Gemiddelde WOZ-waarde BEQ 2021 (M8M)	Gemiddelde opstalwaarde BEQ 2022 (M8M)	Unique concatenate with count(Hoofdcode omschrijving)	Unique concatenate with count(Hoofdcode)	Geocode (#1)		Gebruikscode (#1)	BEQ 2023 (M3E - punt 2 3 correctie)	Gemiddelde WOZ-waarde BEQ 2022 nieuwe GO grenzen (M3E - punt 2 3 correctie)	Gemiddelde opstalwaarde BEQ 2022 nieuwe raming (M3E - punt 2 3 correctie)	Unique concatenate with count(Hoofdcode) (#1)	Unique concatenate with count(Hoofdcode omschrijving) (#1)	Count(Hoofdcode)	First(Stadsdeel)	First(Buurtcode)	Geocode		Gebruikscode	BEQ2021	BEQ 2023 (M8M)	verschil_2021_M8M	verschil_2021_M3E	Gemiddelde WOZ-waarde BEQ 2022 (M8M) [Binned]	Gemiddelde opstalwaarde BEQ 2022 (M8M) [Binned]	verschil_2021_M8M [Binned]	verschil_2021_M3E [Binned]
8430,292783	4915,705936	[redacted]	00019A06l	STWO			39	8430,292783	5206,39748	[redacted]		30	A	A06l	00019A06l	STWO		44	42	-2	-5	7.859.686	4.834.514	-1.55	-5.5
6519,256412	4198,671253		00027M31b	STWO			46	6519,256412	3452,200835			360	M	M31b	00027M31b	STWO		38	35	-3	8	6.277.225	3.989.588	-3.65	9.7
7647,894349	3937,46893		00035A06c	EGWO			41	7647,894349	4532,2648			5	A	A06c	00035A06c	EGWO		47	49	2	-6	7.859.686	3.989.588	2.65	-5.5
7700,707749	4555,46864		00035A06c	STWO			38	7700,707749	4739,198538			21	A	A06c	00035A06c	STWO		43	39	-4	-5	7.859.686	4.412.051	-3.65	-5.5
7204,548775	4203,955504		00043M27a	STWO			49	7204,548775	3182,423904			59	M	M27a	00043M27a	STWO		44	42	-2	5	7.859.686	4.412.051	-1.55	5.9
8156,660731	4310,367708		00051A06k	EGWO			45	8156,660731	4280,0922			3	A	A06k	00051A06k	EGWO		49	49	0	-4	7.859.686	4.412.051	0.55	-5.5
7569,268666	4371,976034		00051A06k	STWO			47	7569,268666	3915,097998			9	A	A06k	00051A06k	STWO		45	42	-3	2	7.859.686	4.412.051	-3.65	2.1
7825,757576	4015,794238		00078A05d	EGWO			49	7825,757576	4648,663381			1	A	A05d	00078A05d	EGWO		49	49	0	0	7.859.686	3.989.588	0.55	-1.7
7331,701346	4672,588005		00078A05f	STWO			29	7331,701346	5232,429281			8	A	A05f	00078A05f	STWO		38	36	-2	-9	7.859.686	4.834.514	-1.55	-9.3
7012,335826	4541,819003		00086M32a	STWO			42	7012,335826	4004,475677			15	M	M32a	00086M32a	STWO		37	35	-2	5	6.277.225	4.412.051	-1.55	5.9
5738,368266	4149,639056		00094A09e	STWO			32	5738,368266	3822,997088			12	A	A09e	00094A09e	STWO		32	27	-5	0	6.277.225	3.989.588	-5.75	-1.7
7124,626676	4218,586894		00108E20a	STWO			49	7124,626676	3173,842403			96	E	E20a	00108E20a	STWO		43	41	-2	6	7.859.686	4.412.051	-1.55	5.9
7493,336955	4297,781223		00108E20b	STWO			49	7493,336955	3681,02662			67	E	E20b	00108E20b	STWO		42	43	1	7	7.859.686	4.412.051	0.55	5.9
7570,583697	4197,62684		00108E22a	STWO			49	7570,583697	2936,563252			16	E	E22a	00108E22a	STWO			45			7.859.686	3.989.588		
6368,983986	4598,436701		00116N60a	EGWO			36	6368,983986	4110,125176			7	N	N60a	00116N60a	EGWO		27	29	2	9	6.277.225	4.412.051	2.65	9.7
8859,33962	4367,345394		00124A06l	EGWO			43	8859,33962	4940,125002			3	A	A06l	00124A06l	EGWO		49	49	0	-6	9.442.146	4.412.051	0.55	-5.5
7516,939804	4879,811929		00124A06l	STWO			39	7516,939804	5099,401773			8	A	A06l	00124A06l	STWO		45	41	-4	-6	7.859.686	4.834.514	-3.65	-5.5
7315,625	4069,430845		00132A06a	EGWO			40	7315,625	4526,94875			3	A	A06a	00132A06a	EGWO		47	48	1	-7	7.859.686	3.989.588	0.55	-5.5
8169,687274	4747,152302		00132A06a	STWO			38	8169,687274	5053,446105			41	A	A06a	00132A06a	STWO		44	41	-3	-6	7.859.686	4.834.514	-3.65	-5.5
6346,320846			00140E20a	EGWO			46	6346,320846				1	E	E20a	00140E20a	EGWO			49			6.277.225			
7668,00672	4350,631677		00140E20a	STWO			49	7668,00672	3599,295865			182	E	E20a	00140E20a	STWO		45	43	-2	4	7.859.686	4.412.051	-1.55	2.1
6293,025704	3059,854887		00140E20b	EGWO			49	6293,025704	3096,4932	[redacted]		6	E	E20b	00140E20b	EGWO						6.277.225	3.144.662		
7579,489452	4207,899659		00140E20b	STWO			49	7579,489452	3026,876524	et WOZ artikel 40 lid 2 -		203	E	E20b	00140E20b	STWO		46	44	-2	3	7.859.686	4.412.051	-1.55	2.1
5758,678458	2670,770199		00140E20c	EGWO				5758,678458	2374,51125			2	E	E20c	00140E20c	EGWO						6.277.225	2.722.199		
7463,216119	4281,437462		00140E20c	STWO			49	7463,216119	3135,874257			171	E	E20c	00140E20c	STWO		45	43	-2	4	7.859.686	4.412.051	-1.55	2.1
7410,341814	4254,907215	WOZ artikel 40 lid 2 - e	00140E21a	STWO			49	7410,341814	3169,224048			236	E	E21a	00140E21a	STWO		45	42	-3	4	7.859.686	4.412.051	-3.65	2.1
6608,20042	4080,940331		00159E16a	STWO			46	6608,20042	3373,406411			57	E	E16a	00159E16a	STWO		40	36	-2	8	6.277.225	3.989.588	-1.55	9.7
6983,660685	4434,299658		00159E16b	STWO			48	6983,660685	3638,800398			121	E	E16b	00159E16b	STWO		38	36	-2	10	6.277.225	4.412.051	-1.55	9.7
6610,062893	3367,963854		00167K24c	EGWO			48	6610,062893	3804,9616			1	K	K24c	00167K24c	EGWO						6.277.225	3.567.125		
7790,521633	4340,578122		00167K24c	STWO			49	7790,521633	3354,982155			111	K	K24c	00167K24c	STWO		47	44	-3	2	7.859.686	4.412.051	-3.65	2.1
7352,19298	4328,192404		00175K24d	STWO			48	7352,19298	3814,840479			116	K	K24d	00175K24d	STWO		43	41	-2	5	7.859.686	4.412.051	-1.55	5.9
7310,11546	4212,271778		00175K24e	STWO			49	7310,11546	3320,192009			161	K	K24e	00175K24e	STWO		43	41	-2	6	7.859.686	4.412.051	-1.55	5.9
7938,238514	4575,264758		00183K24d	STWO			49	7938,238514	3594,658285			198	K	K24d	00183K24d	STWO		45	42	-3	4	7.859.686	4.412.051	-3.65	2.1
7458,201722	4310,656002		00183K24e	STWO			49	7458,201722	3353,037133			164	K	K24e	00183K24e	STWO		45	42	-3	4	7.859.686	4.412.051	-3.65	2.1
7479,134327	4746,499845		00191E14d	STWO			49	7479,134327	3897,918643			4	E	E14d	00191E14d	STWO		39	38	-1	10	7.859.686	4.834.514	-1.55	9.7
7846,995521	4551,666245		00191E14e	STWO			49	7846,995521	3750,020112			49	E	E14e	00191E14e	STWO		43	42	-1	6	7.859.686	4.412.051	-1.55	5.9
7893,238123	4682,237862		00191E14f	STWO			49	7893,238123	3974,76651			40	E	E14f	00191E14f	STWO		43	41	-2	6	7.859.686	4.834.514	-1.55	5.9
7379,738509	4412,019647		00205E16a	STWO			49	7379,738509	3606,112578			75	E	E16a	00205E16a	STWO		42	40	-2	7	7.859.686	4.412.051	-1.55	5.9
7706,071286	3930,663567		00213A06g	EGWO			40	7706,071286	4519,551868			7	A	A06g	00213A06g	EGWO		46	46	0	-6	7.859.686	3.989.588	0.55	-5.5
8164,384246	4923,211203		00213A06g	STWO			36	8164,384246	5571,758923			33	A	A06g	00213A06g	STWO		42	39	-3	-6	7.859.686	4.834.514	-3.65	-5.5
6217,3786	4438,546891		00221A09e	STWO			27	6519,814853	5050,160425			4	A	A09e	00221A09e	STWO		35	32	-3	-8	6.277.225	4.412.051	-3.65	-9.3
7589,538966	3951,610071		00248A06c	EGWO			45	7589,538966	4404,739025			5	A	A06c	00248A06c	EGWO		49	48	-1	-4	7.859.686	3.989.588	-1.55	-5.5
7751,631381	4644,043893		00248A06c	STWO			38	7751,631381	4944,177647			22	A	A06c	00248A06c	STWO		43	40	-3	-5	7.859.686	4.834.514	-3.65	-5.5
7541,498994	3816,440681		00256A06k	EGWO			45	7541,498994	4416,87265			2	A	A06k	00256A06k	EGWO		49	49	0	-4	7.859.686	3.989.588	0.55	-5.5
8147,457732	4746,203707		00256A06k	STWO			38	8147,457732	5108,970045			13	A	A06k	00256A06k	STWO		45	42	-3	-7	7.859.686	4.834.514	-3.65	-5.5
7345,397348	3502,943373		00264A06g	EGWO			49	7345,397348	3755,01176			5	A	A06g	00264A06g	EGWO		49	49	0	0	7.859.686	3.567.125	0.55	-1.7
7495,660431	4523,02746		00264A06g	STWO			42	7495,660431	4330,943171			41	A	A06g	00264A06g	STWO		43	39	-4	-1	7.859.686	4.412.051	-3.65	-1.7
7141,734066	4336,485894		00299E14a	STWO			49	7141,734066	3440,544559			81	E	E14a	00299E14a	STWO		40	39	-1	9	7.859.686	4.412.051	-1.55	9.7
7331,86374	4354,063802		00302M27a	STWO			49	7331,86374	3523,775719			113	M	M27a	00302M27a	STWO		44	41	-3	5	7.859.686	4.412.051	-3.65	5.9
5669,600426	3838,466419		00302M28a	STWO			41	5669,600426	3415,230415			97	M	M28a	00302M28a	STWO		35	32	-3	6	6.277.225	3.989.588	-3.65	5.9
6319,0845	4050,121797		00302M28d	STWO			37	6319,0845	4149,971912			139	M	M28d	00302M28d	STWO		35	34	-1	2	6.277.225	3.989.588	-1.55	2.1
7123,420914	4378,639		00310A06h	STWO			44	7123,420914	4101,333943			16	A	A06h	00310A06h	STWO		42	39	-3	2	7.859.686	4.412.051	-3.65	2.1
6177,899303	3932,499791		00329M55b	STWO			35	6177,899303	4008,429741			24	M	M55b	00329M55b	STWO		36	35	-1	-1	6.277.225	3.989.588	-1.55	-1.7
8323,529412	4599,425564		00337A06g	EGWO			45	8323,529412				1	A	A06g	00337A06g	EGWO		49	49	0	-4	7.859.686	4.412.051	0.55	-5.5
7812,245398	4629,441077		00337A06g	STWO			44	7812,245398	4411,832908			10	A	A06g	00337A06g	STWO		44	41	-3	0	7.859.686	4.834.514	-3.65	-1.7
6309,94152	3238,952187		00345K45a	EGWO			46	6309,94152	3709,81			1	K	K45a	00345K45a	EGWO		47	48	1	-1	6.277.225	3.144.662	0.55	-1.7
7692,729364	4449,034801		00345K45a	STWO			49	7692,729364	3919,569889			94	K	K45a	00345K45a	STWO		44	42	-2	5	7.859.686	4.412.051	-1.55	5.9
7480,809981	4429,55564		00353K24e	STWO			43	7490,809981	3867,57503			41	K	K24e	00353K24e	STWO		43	41	-2	6	7.859.686	4.412.051	-1.55	5.9
7592,154938	3779,488911		00361A06l	EGWO			43	7592,154938	4394,471409			4	A	A06l	00361A06l	EGWO		49	49	0	-6	7.859.686	3.989.588	0.55	-5.5
7916,765783	4653,301244		00361A06l	STWO			40	7916,765783	4779,113228			29	A	A06l	00361A06l	STWO		43	41	-2	-3	7.859.686	4.834.514	-1.55	-1.7
7251,467292	4307,191299		00388K24b	STWO			49	7251,467292	3834,21649			44	K	K24b	00388K24b	STWO		43	40	-3	6	7.859.686	4.412.051	-3.65	5.9
7584,660721	4435,435248		00388K24e	STWO			49	7584,660721	3535,717015			93	K	K24e	00388K24e	STWO		44	41	-3	5	7.859.686	4.412.051	-3.65	5.9
6696,983924	4291,101198		00396M29a	STWO			38	6696,983924	4329,614658			148	M	M29a	00396M29a	STWO		38	35	-3	0	6.277.225	4.412.051	-3.65	-1.7
5926,120383	4186,141979		00396M29b	STWO			43	5926,120383	3759,650408			87	M	M29b	00396M29b	STWO		39	37	-2	4	6.277.225	3.989.588	-1.55	2.1
6198,401105	4085,675319		00418N61c	EGWO			42	6198,401105	3561,260561			24	N	N61c	00418N61c	EGWO		35	34	-1	7	6.277.225	3.989.588	-1.55	5.9
6669,242699	3601,499826		00426A07e	EGWO			49	6669,242699	4271,758112			7	A	A07e	00426A07e	EGWO		49	49	0	0	6.277.225	3.567.125	0.55	-1.7
6866,671642	4506,251803		00426A07e	STWO			36	6866,671642	4779,442059			117	A	A07e	00426A07e	STWO		40	37	-3	-4	6.277.225	4.412.051	-3.65	-5.5
7313,526997	4360,229991		00434A07f	STWO			49	7313,526997	3625,574215			20	A	A07f	00434A07f	STWO		44	41	-3	5	7.859.686	4.412.051	-3.65	5.9
7901,250052	4130,07887		00450A06l	EGWO			43	7901,250052	4294,2661			5	A	A06l	00450A06l	EGWO		49	48	-1	-6	7.859.686	3.989.588	-1.55	-5.5
8076,785199	4773,618813		00450A06l	STWO			39	8076,785199	5212,400143			28	A	A06l	00450A06l	STWO		43	41	-2	-4	7.859.686	4.834.514	-1.55	-5.5
6461,47419	4121,249821		00469M31b	STWO			43	6461,47419	3452,127083			232	M	M31b	00469M31b	STWO		39	35	-4	4	6.277.225	4.412.051	-3.65	2.1
7787,211483	4059,299432		00477A06c	EGWO			40	7787,211483	4622,451462			7	A	A06c	00477A06c	EGWO		47	48	1	-7	7.859.686	3.989.588	0.55	-5.5
7432,706311	4384,541486		00477A06c	STWO			41	7432,706311	4139,242128			22	A	A06c	00477A06c	STWO		44	40	-4	-3	7.859.686	4.412.051	-3.65	-1.7
4781,437126			00485M28a	EGWO				4781,437126	3068,1093			1	M	M28a	00485M28a	EGWO						4,694.765			
6807,899241	4419,698288		00485M28a	STWO			46	6807,899241	3684,369241			153	M	M28a	00485M28a	STWO		35	35	0	11	6.277.225	4.412.051	0.55	9.7
7027,010804	3694,199227		00493A06k	EGWO			45	7027,010804	4364,7018			2	A	A06k	00493A06k	EGWO		49	49	0	-4	6.277.225	3.567.125	0.55	-5.5
7973,03222	4673,186258		00493A06k	STWO			37	7973,03222	5088,621233			21	A	A06k	00493A06k	STWO		45	41	-4	-8	7.859.686	4.834.514	-3.65	-9.3
7866,202363	4324,137039		00507A05d	STWO			48	7866,202363	3465,801748			15	A	A05d	00507A05d	STWO		46	45	-1	2	7.859.686	4.412.051	-1.55	2.1
5415,631271	3995,624575		00515M32a	STWO			32	5415,631271	4311,249035			14	M	M32a	00515M32a	STWO		31	27	-4	1	4,694.765	3.989.588	-3.65	2.1
6907,802065	3641,526263		00531E20b	EGWO			49	6907,802065	3088,56825			5	E	E20b	00531E20b	EGWO						6.277.225	3.567.125		
7421,396056	4273,897173		00531E20b	STWO			49	7421,396056	3373,585782			70	E	E20b	00531E20b	STWO		47	41	-6	2	7.859.686	4.412.051	-5.75	2.1
8111,909569	4312,352315		00531E22a	STWO			49	8111,909569	3107,537236			19	E	E22a	00531E22a	STWO			45			7.859.686	4.412.051		
7639,730018	4074,138812		00531E22b	STWO			49	7639,730018	2607,535056			13	E	E22b	00531E22b	STWO		44	40	-4	5	7.859.686	3.989.588	-3.65	5.9
6178,31861	4886,803176		00558N60a	EGWO			39	6178,31861	4232,313609			6	N	N60a	00558N60a	EGWO		32	34	2	7	6.277.225	4.834.514	2.65	5.9
8229,908197	4017,417876		00566A06l	EGWO			41	8229,908197	4785,452007			1	A	A06l	00566A06l	EGWO		49	49	0	-6	7.859.686	3.989.588	0.55	-5.5
7938,618882	4571,781108		00566A06l	STWO			41	7938,618882	4722,376621			26	A	A06l	00566A06l	STWO		45	41	-4	-4	7.859.686	4.412.051	-3.65	-5.5
7905,869518	4075,173876		00574A06a	EGWO			40	7905,869518	4741,407769			3	A	A06a	00574A06a	EGWO		47	48	1	-7	7.859.686	3.989.588	0.55	-5.5
7507,966131	4559,260386		00574A06a	STWO			37	7507,966131	4778,777606			14	A	A06a	00574A06a	STWO		43	39	-4	-6	7.859.686	4.412.051	-3.65	-5.5

	Verzamelbereik	*Frequentie*	*Frequentie*	*Verzamelbereik*
50	-50	0	0	-50
45	-45	0	0	-45
40	-40	0	0	-40
35	-35	0	0	-35
30	-30	0	0	-30
25	-25	0	0	-25
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-35	35	0	0	35
-40	40	0	0	40
-45	45	0	0	45
-50	50	0	0	50
Meer		0	0	Meer

	Verzamelbereik	*Frequentie*	*Frequentie*	*Verzamelbereik*
20	-20	0	0	-20
10	-10	8	104	-10
9	-9	6	79	-9
8	-8	17	57	-8
7	-7	29	88	-7
6	-6	52	119	-6
5	-5	185	97	-5
4	-4	425	140	-4
3	-3	732	187	-3
2	-2	853	168	-2
1	-1	529	191	-1
0	0	795	728	0
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-7	7	29	343	7
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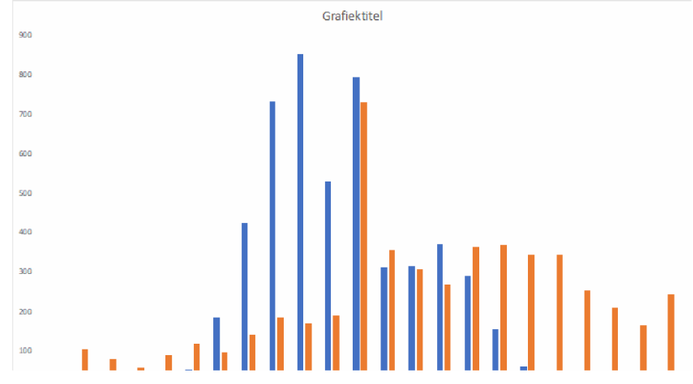

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8179,710223	4412,548161		00582E20a	STWO	49	8179,710223	3343,342614		214	E	E20a	00582E20a	STWO	48	46	-2	1	7,859.686	4,412.051	-1.55	2.1
7085,181	4309,254949		00590E16b	STWO	49	7085,181	3447,555051		82	E	E16b	00590E16b	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
6831,270262	4029,994427		00590E16c	STWO	45	6831,270262	3426,023352		68	E	E16c	00590E16c	STWO	43	41	-2	2	6,277.225	3,989.588	-1.55	2.1
7421,873372	4412,772052		00604K24b	STWO	48	7421,873372	3853,830613		195	K	K24b	00604K24b	STWO	43	40	-3	5	7,859.686	4,412.051	-3.65	5.9
7479,474418	4261,123494		00612K24a	STWO	49	7479,474418	3341,381496		261	K	K24a	00612K24a	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7244,488161	4211,620786		00612K24e	STWO	49	7244,488161	3173,310327		99	K	K24e	00612K24e	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7662,583009	4351,907179		00620K24a	STWO	49	7662,583009	3345,511275		154	K	K24a	00620K24a	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
7382,766704	4243,693253		00620K24e	STWO	49	7382,766704	3203,938201		122	K	K24e	00620K24e	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7369,129843	4429,097229		00647E14e	STWO	49	7369,129843	3606,873905		20	E	E14e	00647E14e	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7573,748131	4458,839771		00647E14f	STWO	49	7573,748131	3627,977228		11	E	E14f	00647E14f	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7394,342073	4240,489502		00655E18a	STWO	49	7431,5671	3312,142321		77	E	E18a	00655E18a	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
7648,06575	4498,348876		00655E18b	STWO	49	7648,06575	3732,98127		14	E	E18b	00655E18b	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7410,128159	4369,969424		00655E19c	STWO	49	7410,128159	3515,156058		80	E	E19c	00655E19c	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7452,583774	3611,748559		00663A06g	EGWO	46	7452,583774	3940,820573		4	A	A06g	00663A06g	EGWO	49	49	0	-3	7,859.686	3,567.125	0.55	-1.7
7737,7411	4660,674199		00663A06g	STWO	36	7737,7411	5037,868026		32	A	A06g	00663A06g	STWO	42	40	-2	-6	7,859.686	4,834.514	-1.55	-5.5
8970,29703	4308,583818		00671A09e	EGWO	49	8970,29703	5201,118437		1	A	A09e	00671A09e	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
5519,608279	4123,009285		00671A09e	STWO	25	5854,762812	4434,6004		5	A	A09e	00671A09e	STWO	31	32	1	-6	6,277.225	3,989.588	0.55	-5.5
8194,128849	3796,096767		00698A06c	EGWO	49	8194,128849	3583,544661		7	A	A06c	00698A06c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7423,999145	4482,733613		00698A06c	STWO	37	7423,999145	4661,104848		28	A	A06c	00698A06c	STWO	43	39	-4	-6	7,859.686	4,412.051	-3.65	-5.5
8021,532456	4585,141537		00701A06k	STWO	47	8021,532456	4118,905819		10	A	A06k	00701A06k	STWO	45	43	-2	2	7,859.686	4,412.051	-1.55	2.1
7310,606061	3162,569583		00728A06g	EGWO	45	7310,606061	2644,8336		1	A	A06g	00728A06g	EGWO	49	49	0	-4	7,859.686	3,144.662	0.55	-5.5
7817,084415	4274,18128		00728A06g	STWO	43	7817,084415	4507,912463		9	A	A06g	00728A06g	STWO	45	43	-2	-2	7,859.686	4,412.051	-1.55	-1.7
6934,204083	4399,2857		00744A06e	STWO	28	6934,204083	4677,020127		11	A	A06e	00744A06e	STWO	38	35	-3	-10	6,277.225	4,412.051	-3.65	-9.3
6626,528262	4178,506286		00752E14a	STWO	49	6626,528262	3339,074018		11	E	E14a	00752E14a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6967,794835	4056,522467		00752E14b	STWO	46	6967,794835	3829,874298		9	E	E14b	00752E14b	STWO	41	38	-3	5	6,277.225	3,989.588	-3.65	5.9
6389,349224	3157,011078		00760M28c	EGWO	45	6389,349224	3517,281586		15	M	M28c	00760M28c	EGWO	49	49	0	-4	6,277.225	3,144.662	0.55	-5.5
6318,374139	3950,577815		00760M28c	STWO	49	6318,374139	3032,195666		257	M	M28c	00760M28c	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
7341,01789	4377,256443		00760M28d	STWO	45	7341,01789	4059,013069		92	M	M28d	00760M28d	STWO	41	40	-1	4	7,859.686	4,412.051	-1.55	2.1
7381,782946	4211,522127		00779A06h	STWO	49	7381,782946	3619,420043		2	A	A06h	00779A06h	STWO	46	44	-2	3	7,859.686	4,412.051	-1.55	2.1
7172,231716	3235,000292		00795A06g	EGWO	45	7172,231716	3751,435		2	A	A06g	00795A06g	EGWO	49	49	0	-4	7,859.686	3,144.662	0.55	-5.5
7378,886558	4494,313152		00795A06g	STWO	46	7378,886558	3939,701543		15	A	A06g	00795A06g	STWO	42	38	-4	4	7,859.686	4,412.051	-3.65	2.1
6957,351713	3385,956385		00809K45a	EGWO	46	6957,351713	3564,789298		3	K	K45a	00809K45a	EGWO	47	48	1	-1	6,277.225	3,567.125	0.55	-1.7
7173,518263	4276,723738		00809K45a	STWO	49	7173,518263	3457,4539		63	K	K45a	00809K45a	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7633,690755	4393,314168		00817K25b	STWO	49	7633,690755	3812,575255		50	K	K25b	00817K25b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
8007,975037	4655,869942		00825A06l	STWO	40	8007,975037	4846,31989		29	A	A06l	00825A06l	STWO	45	42	-3	-5	7,859.686	4,834.514	-3.65	-5.5
7168,265878	4298,800074		00833K25b	STWO	49	7168,265878	3391,422037		33	K	K25b	00833K25b	STWO	45	40	-5	4	7,859.686	4,412.051	-5.75	2.1
7194,39652	4266,456888		00833K25c	STWO	49	7194,39652	3302,657204		75	K	K25c	00833K25c	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6850,627471	4192,043676		00833K26c	STWO	49	6850,627471	3381,44141		99	K	K26c	00833K26c	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
6527,69338	4127,821484		00841M29b	STWO	49	6527,69338	3356,122685		94	M	M29b	00841M29b	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
6273,321416	3995,3239		00868N61c	EGWO	44	6273,321416	3465,206342		20	N	N61c	00868N61c	EGWO	35	36	1	9	6,277.225	3,989.588	0.55	9.7
8995,029438	4119,063849		00876A07e	EGWO	49	8995,029438	4296,85507		13	A	A07e	00876A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7543,866758	4582,421878		00876A07e	STWO	41	7543,866758	4444,856712		147	A	A07e	00876A07e	STWO	42	39	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7284,07188	4257,026481		00884A07f	STWO	49	7284,07188	3717,152438		9	A	A07f	00884A07f	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
6163,449645	4128,920895		00892A09c	STWO	26	6163,449645	4591,32067		116	A	A09c	00892A09c	STWO	34	32	-2	-8	6,277.225	3,989.588	-1.55	-9.3
7420,441347	3533,979434		00906A06l	EGWO	43	7420,441347	3647,61145		2	A	A06l	00906A06l	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
8080,949576	4776,446923		00906A06l	STWO	39	8080,949576	4953,541372		19	A	A06l	00906A06l	STWO	44	41	-3	-5	7,859.686	4,834.514	-3.65	-5.5
6508,333333	3756,261632		00914A06a	EGWO	40	6508,333333	4610,44575		2	A	A06a	00914A06a	EGWO	47	48	1	-7	6,277.225	3,567.125	0.55	-5.5
7411,622115	4482,828374		00914A06a	STWO	42	7411,622115	4297,246045		10	A	A06a	00914A06a	STWO	41	39	-2	1	7,859.686	4,412.051	-1.55	2.1
6550,348309	3230,232573		00922E20a	EGWO	46	6550,348309	3436,18235		2	E	E20a	00922E20a	EGWO		49			6,277.225	3,144.662		
7661,785049	4234,111543		00922E20a	STWO	49	7661,785049	3046,180864		206	E	E20a	00922E20a	STWO	47	45	-2	2	7,859.686	4,412.051	-1.55	2.1
7675,717241	4499,186801		00930E16b	STWO	49	7675,717241	3729,468585		65	E	E16b	00930E16b	STWO	42	41	-1	7	7,859.686	4,412.051	-1.55	5.9
7641,306084	4403,914265		00957E21a	STWO	49	7641,306084	3550,908883		118	E	E21a	00957E21a	STWO	43	42	-1	6	7,859.686	4,412.051	-1.55	5.9
8497,781363	4382,641143		00965A06c	EGWO	45	8497,781363	4553,2172		2	A	A06c	00965A06c	EGWO	49	49	0	-4	7,859.686	4,412.051	0.55	-5.5
7696,253481	4549,668349		00965A06c	STWO	44	7696,253481	4382,061785		39	A	A06c	00965A06c	STWO	43	41	-2	1	7,859.686	4,412.051	-1.55	2.1
7512,218859	4401,442172		00973A06g	STWO	44	7512,218859	4251,392967		23	A	A06g	00973A06g	STWO	44	41	-3	0	7,859.686	4,412.051	-3.65	-1.7
6890,292528	4198,102343		01007M28c	STWO	45	6890,292528	3747,28982		275	M	M28c	01007M28c	STWO	40	39	-1	5	6,277.225	3,989.588	-1.55	5.9
6594,692073	4120,243385		01007M28d	STWO	46	6594,692073	3693,195301		146	M	M28d	01007M28d	STWO	40	39	-1	6	6,277.225	3,989.588	-1.55	5.9
8013,432702	4331,018053		01015K45a	STWO	45	8013,432702	4220,497375		11	K	K45a	01015K45a	EGWO	47	47	0	-2	7,859.686	4,412.051	0.55	-1.7
7451,290412	4486,202198		01015K45a	STWO	47	7451,290412	3998,043941		129	K	K45a	01015K45a	STWO	41	39	-2	6	7,859.686	4,412.051	-1.55	5.9
6303,396189	4044,265638		01023N61c	EGWO	45	6303,396189	3484,925815		22	N	N61c	01023N61c	EGWO	35	36	1	10	6,277.225	3,989.588	0.55	9.7
9011,509684	3894,803656		01031A07e	EGWO	49	9011,509684	3717,051134		11	A	A07e	01031A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7628,26544	4576,440575		01031A07e	STWO	40	7628,26544	4642,796464		52	A	A07e	01031A07e	STWO	42	40	-2	-2	7,859.686	4,412.051	-1.55	-1.7
5756,837485	3946,721502		01058A09c	STWO	31	5756,837485	3969,322346		50	A	A09c	01058A09c	STWO	34	31	-3	-3	6,277.225	3,989.588	-3.65	-1.7
6097,204491	4190,68223		01066N61c	EGWO	40	6097,204491	3612,251131		18	N	N61c	01066N61c	EGWO	33	31	-2	7	6,277.225	3,989.588	-1.55	5.9
5721,724152	4393,293414		01074N61c	EGWO	39	5721,724152	3755,56103		18	N	N61c	01074N61c	EGWO	31	31	0	8	6,277.225	4,412.051	0.55	9.7
6829,613095	4963,967532		01082N61c	EGWO	44	6829,613095	4331,657749		4	N	N61c	01082N61c	EGWO	36	36	0	8	6,277.225	4,834.514	0.55	9.7
4406,514716	2501,896094		01120N70a	EGWO	45	4406,514716	2278,671288		4	N	N70a	01120N70a	EGWO	39	40	1	6	4,694.765	2,299.736	0.55	5.9
3798,689012	3549,821126		01120N70a	STWO	7	3798,689012	3746,706318		20	N	N70a	01120N70a	STWO	7	9	2	0	3,112.304	3,567.125	2.65	-1.7
4454,524803	2659,173802		01139F78b	EGWO	38	4454,524803	2586,682071		15	F	F78b	01139F78b	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
4118,086056	3443,023925		01139F78c	STWO	17	4118,086056	3423,358609		102	F	F78c	01139F78c	STWO	14	15	1	3	4,694.765	3,567.125	0.55	2.1
6743,912467	4139,675883		01163K44c	STWO	49	6743,912467	3287,778906		17	K	K44c	01163K44c	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
6996,751428	4292,394363		01163K44d	STWO	49	6996,751428	3445,318868		8	K	K44d	01163K44d	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9
6582,786839	4134,29765		01171K44c	STWO	49	6582,786839	3294,932231		193	K	K44c	01171K44c	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
6645,792451	4207,924595		01171K44d	STWO	49	6645,792451	3389,498726		175	K	K44d	01171K44d	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
6481,848688	3580,715507		01198N72a	EGWO	42	6481,848688	3023,193063		2	N	N72a	01198N72a	EGWO	36	40	4	6	6,277.225	3,567.125	4.75	5.9
4747,831633	3221,279981		01201N65c	EGWO	31	4747,831633	3265,485214		14	N	N65c	01201N65c	EGWO	30	32	2	1	4,694.765	3,144.662	2.65	2.1
4350,582892	3043,247572		01228F77a	EGWO	29	4350,582892	3106,476602		18	F	F77a	01228F77a	EGWO	24	30	6	5	4,694.765	3,144.662	6.85	5.9
6764,205816	4108,075336		01236K44c	STWO	49	6764,205816	3219,211526		83	K	K44c	01236K44c	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
4222,222222	2916,147689		01244T92g	EGWO		4222,222222	3628,61		1	T	T92g	01244T92g	EGWO					4,694.765	2,722.199		
4681,111963	3222,582833		01295N65c	EGWO	32	4681,354381	3186,110428		59	N	N65c	01295N65c	EGWO	29	31	2	3	4,694.765	3,144.662	2.65	2.1
4526,993105	3915,495683		01295N65c	STWO	18	4526,993105	3447,707713		13	N	N65c	01295N65c	STWO	17	14	-3	1	4,694.765	3,989.588	-3.65	2.1
7017,74601	4193,643062		01317K48f	STWO	49	7017,74601	3313,054104		192	K	K48f	01317K48f	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
7517,211868	3464,115543		01325A07h	EGWO	49	7517,211868	3915,8161		2	A	A07h	01325A07h	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
5838,763154	3930,749465		01325A07h	STWO	49	5838,763154	2764,7818		4	A	A07h	01325A07h	STWO	46	43	-3	3	6,277.225	3,989.588	-3.65	2.1
7031,828588	3750,416127		01333N73h	EGWO	42	7031,828588	3811,206635		7	N	N73h	01333N73h	EGWO	43	45	2	-1	6,277.225	3,989.588	2.65	-1.7
5152,55748	3838,758505		01333N73h	STWO	13	5152,55748	2642,433243		4	N	N73h	01333N73h	STWO	9	8	-1	4	4,694.765	3,989.588	-1.55	2.1
9334,709755	4288,594543		01341A07g	EGWO	49	9334,709755	4181,879607		8	A	A07g	01341A07g	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
8732,57971	4751,145637		01341A07g	STWO	40	8732,57971	5258,741156		24	A	A07g	01341A07g	EGWO	47	44	-3	-7	9,442.146	4,834.514	-3.65	-5.5
9557,958478	4852,020097		01341A07h	EGWO	49	9557,958478	4318,649844		2	A	A07h	01341A07h	EGWO	49	49	0	0	9,442.146	4,834.514	0.55	-1.7
7532,830418	4885,805305		01341A07h	STWO	49	7532,830418	4480,663629		7	A	A07h	01341A07h	STWO	46	43	-3	3	7,859.686	4,834.514	-3.65	2.1
7023,862431	3725,041648		01368N73h	EGWO	47	7023,862431	3657,66959		13	N	N73h	01368N73h	EGWO	44	48	4	3	6,277.225	3,567.125	4.75	2.1
4542,997543	3058,57664		01376F89b	EGWO	31	4542,997543	3112,711194		33	F	F89b	01376F89b	EGWO	30	33	3	1	4,694.765	3,144.662	2.65	2.1
4153,881455	2704,109221		01392N61b	EGWO	41	4286,95291	2520,21		7	N	N61b	01392N61b	EGWO	36	38	2	5	4,694.765	2,722.199	2.65	5.9
4826,481383	3624,488906		01392N61b	STWO	40	4826,481383	2843,690564		139	N	N61b	01392N61b	STWO	27	24	-3	13	4,694.765	3,567.125	-3.65	13.5
5678,62745	3937,533372		01392N61c	STWO	42	5678,62745	3290,557426		8	N	N61c	01392N61c	STWO	32	31	-1	10	6,277.225	3,989.588	-1.55	9.7
5581,560397	3788,2625		01430E37c	STWO	44	5584,599978	2825,861926		329	E	E37c	01430E37c	STWO	33	31	-2	11	6,277.225	3,989.588	-1.55	9.7
5976,566806	3864,407862		01430E37d	STWO	49	5988,322967	2858,212117		92	E	E37d	01430E37d	STWO	39	36	-3	10	6,277.225	3,989.588	-3.65	9.7
5667,319362	3783,058283		01430E37e	STWO	49	5683,018472	2704,814754		246	E	E37e	01430E37e	STWO	36	33	-3	13	6,277.225	3,989.588	-3.65	13.5
5676,534296	3830,406234		01430E37f	STWO	49	5685,227355	2834,968001		263	E	E37f	01430E37f	STWO	35	32	-3	14	6,277.225	3,989.588	-3.65	13.5
6093,549241	4041,086432		01430E37g	STWO	49	6093,549241	3046,558568		115	E	E37g	01430E37g	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
6577,435799	4098,049174		01430E40a	STWO	49	6577,435799	3067,457534		20	E	E40a	01430E40a	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
6118,510934	3914,874779		01430E40b	STWO	49	6133,992701	2740,747277		226	E	E40b	01430E40b	STWO	38	36	2	11	6,277.225	3,989.588	1.55	9.7
5965,668919	3809,101351		01430E40c	STWO	49	5970,518245	2612,106748		149	E	E40c	01430E40c	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
5765,866583	3805,081527		01430E75a	STWO	49	5765,866583	2926,499679		108	E	E75a	01430E75a	STWO	35	34	-1	14	6,277.225	3,989.588	-1.55	13.5
6746,88687	4240,464216		01457E40c	STWO	49	6746,88687	3245,622707		59	E	E40c	01457E40c	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
6973,797272	4180,970232		01457E41a	STWO	49	6973,797272	3242,199343		82	E	E41a	01457E41a	STWO	40	40	0	9	6,277.225	3,989.588	0.55	9.7
6667,517168	4268,439216		01457E42a	STWO	46	6667,517168	3532,738594		128	E	E42a	01457E42a	STWO	40	39	-1	6	6,277.225	4,412.051	-1.55	5.9
6962,4555	4154,821715		01457E42b	STWO	49	6962,4555	3382,368084		141	E	E42b	01457E42b	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
7143,528269	4325,529521		01457E75b	STWO	49	7143,528269	3640,070185		94	E	E75b	01457E75b	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
6919,001147	4267,556151		01457E75d	STWO	49	6919,001147	3520,834947		174	E	E75d	01457E75d	STWO	38	38	0	11	6,277.225	4,412.051	0.55	9.7
3761,538462	2707,54441		01473F78d	EGWO	31	3761,538462	2399		16	F	F78d	01473F78d	EGWO	25	28	3	6	3,112.304	2,722.199	2.65	5.9
4345,24821	3801,753699		01481F85c	STWO	8	4345,24821	4215,011727		36	F	F85c	01481F85c	STWO	12	12	0	-4	4,694.765	3,989.588	0.55	-5.5
4142,589359	2855,111147		01503N66d	EGWO	32	4142,589359	2751,307887		14	N	N66d	01503N66d	EGWO	32	31	-1	0	4,694.765	2,722.199	-1.55	-1.7
7118,574884	4296,163209		01511E40a	STWO	49	7118,574884	3355,033967		29	E	E40a	01511E40a	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9

6471,602934	4053,609339	[redacted]	01570M30a	STWO	48	6471,602934	3218,963262	[redacted]	76	M	M30a	01570M30a	STWO	39	37	-2	9	6,277.225	3,989.588	-1.55	9.7
7076,548405	4199,86722		01588K48f	STWO	49	7076,548405	3295,493432		134	K	K48f	01588K48f	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
6488,888889	3231,728183		01597E18a	EGWO	49	6488,888889	3615,8626		1	E	E18a	01597E18a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
7155,693087	4340,770284		01597E18a	STWO	49	7155,693087	3570,198676		59	E	E18a	01597E18a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
5374,154423	3964,951051		01600E39d	STWO	27	5374,154423	3969,976146		109	E	E39d	01600E39d	STWO	29	26	-3	-2	4,694.765	3,989.588	-3.65	-1.7
4809,91828	2608,082887		01627F88j	EGWO	29	4809,91828	2678,421314		5	F	F88j	01627F88j	EGWO	27	30	3	2	4,694.765	2,722.199	2.65	2.1
5940,527671	4517,499163		01627F88j	EGWO	21	5940,527671	4740,765111		20	F	F88j	01627F88j	EGWO	21	22	1	0	6,277.225	4,412.051	0.55	-1.7
2932,20339	2462,050035		01635F88j	EGWO	29	2932,20339	2548,78		1	F	F88j	01635F88j	EGWO	27	30	3	2	3,112.304	2,299.736	2.65	2.1
4062,962963	2577,213134		01651F83a	EGWO	36	4062,962963	2584,499125		9	F	F83a	01651F83a	EGWO	34	37	3	2	4,694.765	2,722.199	2.65	2.1
3237,283689	3646,551301		01651F83a	STWO	5	3237,283689	3672,455116		236	F	F83a	01651F83a	STWO	7	5	-2	-2	3,112.304	3,567.125	-1.55	-1.7
6366,195771	3617,255124		01678M57a	STWO	49	6366,195771	3206,336705		14	M	M57a	01678M57a	EGWO	41	43	2	8	6,277.225	3,567.125	2.65	9.7
5823,444949	4153,086554		01678M57a	STWO	42	5823,444949	3355,881698		26	M	M57a	01678M57a	STWO	31	29	-2	11	6,277.225	3,989.588	-1.55	9.7
7341,03068	4064,420602		01716A06c	STWO	45	7341,03068	4400,6139		2	A	A06c	01716A06c	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5
7585,546575	5077,207527		01716A06c	STWO	36	7585,546575	5572,719986		18	A	A06c	01716A06c	STWO	41	39	-2	-5	7,859.686	5,256.977	-1.55	-5.5
4359,261012	2599,681612		01724F78d	EGWO	36	4359,261012	2538,841905		18	F	F78d	01724F78d	EGWO	33	36	3	3	4,694.765	2,722.199	2.65	2.1
4158,279205	3358,258538		01724F78d	STWO	23	4158,279205	3167,789763		36	F	F78d	01724F78d	STWO	19	20	1	4	4,694.765	3,567.125	0.55	2.1
7892,056123	4309,908891		01732E20a	STWO	49	7892,056123	3122,879657		57	E	E20a	01732E20a	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
7577,804608	4542,521735		01740K24d	STWO	49	7577,804608	3659,313993		207	K	K24d	01740K24d	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7405,784904	4412,75381		01740K24e	STWO	49	7405,784904	3638,227147		582	K	K24e	01740K24e	STWO	41	38	-3	8	7,859.686	4,412.051	-3.65	9.7
11678,67036			01759K49c	EGWO	49	11678,67036	3046,0642		1	K	K49c	01759K49c	EGWO					11,024.607			
7090,784654			01759K49c	STWO		7090,784654	2589,797577		2	K	K49c	01759K49c	STWO					7,859.686			
7114,883087	4259,307258		01783K44a	STWO	49	7114,883087	3391,924937		50	K	K44a	01783K44a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6859,101917	4204,39602		01783K44b	STWO	49	6859,101917	3294,502877		15	K	K44b	01783K44b	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
4142,471538	3014,084528		01848F77f	EGWO	28	4142,471538	3114,088762		14	F	F77f	01848F77f	EGWO	24	28	4	4	4,694.765	3,144.662	4.75	2.1
6760,189398	4162,00018		01856K54d	STWO	49	6760,189398	3296,645095		129	K	K54d	01856K54d	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
10891,56397	3733,186031		01864K49d	EGWO	49	10891,56397	2494,009878		8	K	K49d	01864K49d	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7335,805838	4052,595178		01864K49d	STWO	49	7335,805838	2557,892058		22	K	K49d	01864K49d	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
10398,17177	3688,559214		01864K49e	EGWO	49	10398,17177	2358,48475		2	K	K49e	01864K49e	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7009,55211	4024,152654		01864K49e	STWO	49	7009,55211	2572,270732		41	K	K49e	01864K49e	STWO	49	45	-4	0	6,277.225	3,989.588	-3.65	-1.7
5211,309524	3746,321531		01880N65b	EGWO	32	5211,309524	3568,547505		6	N	N65b	01880N65b	EGWO	25	28	3	7	4,694.765	3,567.125	2.65	5.9
5116,941807	3674,645996		01899N65b	EGWO	31	5116,941807	3515,544146		14	N	N65b	01899N65b	EGWO	24	28	4	7	4,694.765	3,567.125	4.75	5.9
5880,534808	2747,174913		01910K91c	EGWO	49	5880,534808	2459,436816		21	K	K91c	01910K91c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
9611,380785	4049,198972		01937K47c	EGWO	49	9611,380785	3572,918026		11	K	K47c	01937K47c	EGWO		49			9,442.146	3,989.588		
8051,595788	4243,809724		01937K47c	STWO		8051,595788	2841,519769		71	K	K47c	01937K47c	STWO					7,859.686	4,412.051		
9112,5	4996,657499		01945A08a	EGWO		9112,5	5761,309522		1	A	A08a	01945A08a	EGWO					9,442.146	4,834.514		
7369,594555	4443,5237		01945A08e	STWO	38	7369,594555	4589,859231		36	A	A08e	01945A08e	STWO	42	40	-2	-4	7,859.686	4,412.051	-1.55	-5.5
7041,433588	4061,058719		01945A09h	STWO	45	7041,433588	3439,249939		30	A	A09h	01945A09h	STWO	44	40	-4	1	6,277.225	3,989.588	-3.65	2.1
5618,677043			01953A08e	EGWO		5618,677043	3627,1882		1	A	A08e	01953A08e	EGWO					6,277.225			
7524,624246	4405,193876		01953A08e	STWO	37	7524,624246	4437,933124		18	A	A08e	01953A08e	STWO	40	42	2	-3	7,859.686	4,412.051	2.65	-1.7
7061,013551	4452,87633		01961A08e	STWO	32	7061,013551	4788,828065		30	A	A08e	01961A08e	STWO	38	37	-1	-6	6,277.225	4,412.051	-1.55	-5.5
4689,391384	3362,33354		02003N65b	EGWO	33	4689,391384	3442,868622		4	N	N65b	02003N65b	EGWO	28	32	4	5	4,694.765	3,567.125	4.75	5.9
4232,190291	3759,186298		02011N68c	STWO	6	4232,190291	4242,004676		164	N	N68c	02011N68c	STWO	11	11	0	-5	4,694.765	3,567.125	0.55	-5.5
6956,126392	4115,487617		02038E17a	STWO	49	6956,126392	3100,986378		40	E	E17a	02038E17a	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
4386,046512	3359,976841		02046F86a	STWO	30	4386,046512	3048,788808		5	F	F86a	02046F86a	STWO	24	24	0	6	4,694.765	3,567.125	0.55	5.9
4622,159076	2677,905189		02062F85b	EGWO	46	4622,159076	2523,473511		17	F	F85b	02062F85b	EGWO	39	42	3	7	4,694.765	2,722.199	2.65	5.9
6710,617278	4113,679943		02070E16a	STWO	49	6710,617278	3177,664267		60	E	E16a	02070E16a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
4497,371292	2982,166058		02089N65c	EGWO	33	4497,371292	2996,8214		14	N	N65c	02089N65c	EGWO	30	33	3	3	4,694.765	3,144.662	2.65	2.1
4730,902256	4002,25251		02089N65c	STWO	18	4730,902256	3545,8239		20	N	N65c	02089N65c	STWO	20	15	-5	-2	4,694.765	3,989.588	-5.75	-1.7
7282,589092	4318,526661		02097K48f	STWO	49	7282,589092	3479,253802		205	K	K48f	02097K48f	STWO	45	41	-4	4	7,859.686	4,412.051	-3.65	2.1
4856,930868	3627,392755		02100M31c	STWO	33	4856,930868	2993,316797		58	M	M31c	02100M31c	STWO	29	24	-5	4	4,694.765	3,567.125	-5.75	2.1
5082,243901	3627,441004		02119M31c	STWO	38	5082,243901	3041,612355		30	M	M31c	02119M31c	STWO	30	27	-3	8	4,694.765	3,567.125	-3.65	9.7
5495,348433	3497,972433		02127N63a	EGWO	40	5495,348433	3301,171139		25	N	N63a	02127N63a	EGWO	33	36	3	7	6,277.225	3,567.125	2.65	5.9
3425,721419	2591,515188		02135N69m	EGWO	31	3425,721419	2365,260154		57	N	N69m	02135N69m	EGWO	21	25	4	10	3,112.304	2,722.199	4.75	9.7
3757,434822	3231,909193		02135N69m	STWO	14	3757,434822	3219,099042		312	N	N69m	02135N69m	STWO	18	11	-7	-4	3,112.304	3,144.662	-7.85	-5.5
4574,792667	2902,966811		02151N67a	EGWO	39	4574,792667	2890,47043		28	N	N67a	02151N67a	EGWO	37	40	3	2	4,694.765	2,722.199	2.65	2.1
6648,148148	2895,175949		02178M56c	EGWO	49	6648,148148	2410,19099		1	M	M56c	02178M56c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6469,291283	3956,738857		02178M56c	STWO	49	6469,291283	2864,211037		11	M	M56c	02178M56c	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
8961,306969	3738,529063		02186A03d	EGWO	49	8961,306969	3681,13625		11	A	A03d	02186A03d	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
8465,683415	4584,052285		02186A03d	STWO	48	8465,683415	4082,528154		58	A	A03d	02186A03d	STWO	49	46	-3	-1	7,859.686	4,412.051	-3.65	-1.7
8368,682804	4613,550486		02186A03e	STWO	48	8368,682804	4320,952643		101	A	A03e	02186A03e	STWO	48	45	-3	0	7,859.686	4,412.051	-3.65	-1.7
7846,519341	4582,79279		02186A03f	STWO	39	7846,519341	4806,44974		45	A	A03f	02186A03f	STWO	46	41	-5	-7	7,859.686	4,412.051	-5.75	-5.5
7303,703704	3724,052546		02186A04i	EGWO	44	7303,703704	4349,7647		1	A	A04i	02186A04i	EGWO	48	49	1	-4	7,859.686	3,567.125	0.55	-5.5
8338,4278	4845,868131		02186A04i	STWO	37	8338,4278	5255,439448		23	A	A04i	02186A04i	STWO	46	42	-4	-9	7,859.686	4,834.514	-3.65	-9.3
8602,863334	4755,838118		02186A07g	STWO	48	8602,863334	4516,07606		33	A	A07g	02186A07g	STWO	48	45	-3	0	7,859.686	4,834.514	-3.65	-1.7
8856,25	3529,261513		02186A07h	EGWO	49	8856,25	3632,8627		2	A	A07h	02186A07h	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
8590,038997	4736,990379		02186A07h	STWO	44	8590,038997	4883,282523		19	A	A07h	02186A07h	STWO	48	45	-3	-4	7,859.686	4,834.514	-3.65	-5.5
6387,106063			02186A08a	EGWO	46	6387,106063	3362,44598		5	A	A08a	02186A08a	EGWO	49	49	0	-3	6,277.225		0.55	-1.7
7770,29738	4461,220163		02186A08a	STWO	41	7770,29738	4592,321057		82	A	A08a	02186A08a	STWO	44	43	-1	-3	7,859.686	4,412.051	-1.55	-1.7
7842,881944	4406,658699		02186A08b	STWO	46	7842,881944	4023,714118		53	A	A08b	02186A08b	STWO	46	43	-3	0	7,859.686	4,412.051	-3.65	-1.7
5963,333333			02194K24a	EGWO	46	5963,333333	3164,09		1	K	K24a	02194K24a	EGWO	49	49	0	-3	6,277.225		0.55	-1.7
6961,378933	4048,870825		02194K24a	STWO	49	6961,378933	2772,477111		71	K	K24a	02194K24a	STWO	45	43	-2	4	6,277.225	3,989.588	-1.55	2.1
6116,12754	4307,814362		02194K25a	STWO	44	6116,12754	3843,288819		204	K	K25a	02194K25a	STWO	37	33	-4	7	6,277.225	4,412.051	-3.65	5.9
6269,12656	3808,769623		02194K26a	EGWO	49	6269,12656	4271,3283		4	K	K26a	02194K26a	EGWO	49	49	0	0	6,277.225	3,989.588	0.55	-1.7
6489,247695	3963,353601		02194K26a	STWO	49	6501,801206	2935,040759		44	K	K26a	02194K26a	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
6133,60736	3795,797485		02194K53b	STWO	49	6143,566483	2701,899775		67	K	K53b	02194K53b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6336,584189	3886,854308		02194K54a	STWO	49	6356,714844	2785,260892		61	K	K54a	02194K54a	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
7308,894685	4055,028695		02216K52a	STWO	49	7308,894685	2893,408515		113	K	K52a	02216K52a	STWO	47	45	-2	2	7,859.686	3,989.588	-1.55	2.1
7326,511611	4054,479237		02216K52b	STWO	49	7326,511611	2873,738422		90	K	K52b	02216K52b	STWO	47	44	-3	2	7,859.686	3,989.588	-3.65	2.1
7025,785329	4222,895503		02216K53a	STWO	49	7025,785329	3518,449171		182	K	K53a	02216K53a	STWO	42	40	-2	7	6,277.225	4,412.051	-1.55	5.9
6718,703813	4071,158605		02216K53b	STWO	49	6718,703813	3237,657316		76	K	K53b	02216K53b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7704,918033	3908,865197		02224A03e	EGWO		7704,918033	4459,9482		1	A	A03e	02224A03e	EGWO					7,859.686	3,989.588		
7869,433312	4547,852717		02224A03e	STWO	42	7869,433312	4612,93605		10	A	A03e	02224A03e	STWO	44	41	-3	-2	7,859.686	4,412.051	-3.65	-1.7
7628,43518	4277,344921		02232E21b	STWO	49	7628,43518	3158,110638		30	E	E21b	02232E21b	STWO	46	44	-2	3	7,859.686	4,412.051	-1.55	2.1
5523,792477	3065,947524		02232K23c	EGWO	44	5523,792477	2709,08778		5	K	K23c	02232K23c	EGWO		45			6,277.225	3,144.662		
5164,868953	3702,925628		02232K23c	STWO	27	5164,868953	3779,67951		30	K	K23c	02232K23c	STWO	38	29	-9	-11	4,694.765	3,567.125	-9.95	-9.3
7307,557511	4211,295216		02232K45a	STWO	49	7307,557511	3716,200557		194	K	K45a	02232K45a	STWO	42	41	-1	7	7,859.686	4,412.051	-1.55	5.9
7603,063922	3563,614146		02232K45b	EGWO	49	7603,063922	3155,693053		6	K	K45b	02232K45b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6528,859895	3963,894726		02232K45b	STWO	49	6528,859895	2939,521066		31	K	K45b	02232K45b	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
7361,867704			02232K46b	EGWO		7361,867704	2311,6361		1	K	K46b	02232K46b	EGWO					7,859.686			
7746,89346	4288,025908		02232K46b	STWO	49	7746,89346	3013,025206		33	K	K46b	02232K46b	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
7379,281099	4219,120975		02232K46c	STWO	49	7379,281099	3103,087797		90	K	K46c	02232K46c	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
6575,012044	4090,046863		02232K48a	STWO	49	6575,012044	3198,062989		12	K	K48a	02232K48a	STWO	43	38	-5	6	6,277.225	3,989.588	-5.75	5.9
6372,460659	4034,007838		02232K48d	STWO	48	6372,460659	3166,447019		35	K	K48d	02232K48d	STWO	41	36	-5	7	6,277.225	3,989.588	-5.75	5.9
5849,111854	3000,10017		02232K90d	EGWO	49	5849,111854	2701,95889		122	K	K90d	02232K90d	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5961,256548	3877,177057		02232K90d	STWO	38	5961,256548	2777,967867		121	K	K90d	02232K90d	STWO	35	30	-5	3	6,277.225	3,989.588	-5.75	2.1
6447,614149	3018,404981		02232K90i	EGWO	49	6447,614149	2743,856185		19	K	K90i	02232K90i	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6504,237318	4107,386977		02232K90i	STWO	43	6504,237318	3653,611759		50	K	K90i	02232K90i	STWO	42	38	-4	1	6,277.225	3,989.588	-3.65	2.1
7963,369963	3784,092545		02232K90j	EGWO		7963,369963	3524,925142		3	K	K90j	02232K90j	EGWO					7,859.686	3,989.588		
8272,492482	3631,505996		02240A03d	EGWO	49	8272,492482	3643,5675		2	A	A03d	02240A03d	EGWO					7,859.686	3,567.125		
7340,153596	4296,708386		02240A03d	STWO	48	7340,153596	3867,972725		11	A	A03d	02240A03d	STWO	43	41	-2	5	7,859.686	4,412.051	-1.55	5.9
5729,166667			02267E39a	EGWO		5729,166667			1	E	E39a	02267E39a	EGWO					6,277.225			
4441,072362	3726,83158		02267E39a	STWO	28	4441,072362	3710,630481		58	E	E39a	02267E39a	STWO	19	17	-2	9	4,694.765	3,567.125	-1.55	9.7
4440,898345	2870,282071		02275N65c	EGWO	38	4440,898345	2444,306667		6	N	N65c	02275N65c	EGWO	30	35	5	8	4,694.765	2,722.199	4.75	9.7
4522,949727	3123,76029		02283N62a	EGWO	32	4522,949727	3076,255126		18	N	N62a	02283N62a	EGWO	31	31	0	1	4,694.765	3,144.662	0.55	2.1
6831,777768	4070,465501		02305M28a	STWO	49	6831,777768	3093,839981		39	M	M28a	02305M28a	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
6878,546121	4171,70384		02313K44a	STWO	49	6878,546121	3408,633012		85	K	K44a	02313K44a	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6772,97621	4153,195465		02313K44b	STWO	49	6772,97621	3218,321267		15	K	K44b	02313K44b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
4535,285285	3019,607573		02321F89b	EGWO	32	4535,285285	3089,21017		36	F	F89b	02321F89b	EGWO	30	33	3	2	4,694.765	3,144.662	2.65	2.1
4668,01355	3949,413425		02321F89b	STWO	14	4668,01355	4310,038053		24	F	F89b	02321F89b	STWO	17	15	-2	-3	4,694.765	3,989.588	-1.55	-1.7
4571,589741	3510,096541		02364N65b	EGWO	28	4571,589741	3410,052379		18	N	N65b	02364N65b	EGWO	23	27	4	5	4,694.765	3,567.125	4.75	5.9
7924,758322	3904,817159		02402A06l	EGWO	43	7924,758322	3957,189781		5	A	A06l	02402A06l	EGWO	49	49	0	-6	7,859.686	3,989.588	0.55	-5.5
8268,222716	4640,027857		02402A06l	STWO	45	8268,222716	4596,816177		150	A	A06l	02402A06l	STWO	46	43	-3	-1	7,859.686	4,834.514	-3.65	-1.7
4513,864707	2736,660669		02429F77d	EGWO	42	4513,864707	2619,565907		13	F	F77d	02429F77d	EGWO	36	39	3	6	4,694.765	2,722.199	2.65	5.9
5560,259018	3961,736674		02437E37g	STWO	44	5560,259018	3127,658919		92	E	E37g	02437E37g	STWO	32	29	-3	12	6,277.225	3,989.588	-3.65	13.5
5379,535673	3990,28935		02453A04g	STWO	38	5379,535673	3965,082162		133	A	A04g	02453A04g	STWO	32	31	-1	6	4,694.765	3,989.588	-1.55	5.9

8510,426517	4529,587671	[redacted]	02453A08d	STWO	45	8510,426517	4619,16232	[redacted]	40	A	A08d	02453A08d	STWO	47	45	-2	-2	7,859.686	4,412.051	-1.55	-1.7
4199,007565	3047,625322		02488F77f	EGWO	28	4199,007565	3122,287454		15	F	F77f	02488F77f	EGWO	24	28	4	4	4,694.765	3,144.662	4.75	2.1
4569,337205	3180,113151		02518N65b	EGWO	31	4569,337205	3156,539695		11	N	N65b	02518N65b	EGWO	28	30	2	3	4,694.765	3,144.662	2.65	2.1
10273,86135	3782,497547		02526K49e	EGWO	49	10273,86135	2540,2856		5	K	K49e	02526K49e	EGWO	49	49	0	0	11,024.607	3,989.588	0.55	-1.7
7369,045286	4068,202603		02526K49e	STWO	49	7369,045286	2625,495471		24	K	K49e	02526K49e	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
3910,174881	2925,598255		02542F89b	EGWO	30	3910,174881	3029,734706		34	F	F89b	02542F89b	EGWO	28	30	2	2	4,694.765	2,722.199	2.65	2.1
7067,196145	4238,106149		02550E43b	STWO	49	7067,196145	3421,403269		151	E	E43b	02550E43b	STWO	41	40	-1	8	6,277.225	4,412.051	-1.55	9.7
4045,045045	2962,435719		02569F89b	EGWO	30	4045,045045	3042,445257		30	F	F89b	02569F89b	EGWO	29	30	1	1	4,694.765	3,144.662	0.55	2.1
5255,579869	3271,932953		02577F76a	EGWO	33	5255,579869	3285,932226		8	F	F76a	02577F76a	EGWO	32	37	5	1	4,694.765	3,144.662	4.75	2.1
9951,729323	3869,658221		02585K59a	EGWO	49	9951,729323	2737,734925		4	K	K59a	02585K59a	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
5776,875185	3698,396183		02585K59a	STWO	36	5776,875185	3678,169098		19	K	K59a	02585K59a	STWO	39	36	-3	-3	6,277.225	3,567.125	-3.65	-1.7
6882,335463	4052,452351		02607E16a	STWO	49	6882,335463	3974,105798		37	E	E16a	02607E16a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
3909,849569	2783,732439		02615F77c	EGWO	27	3909,849569	2848,488434		24	F	F77c	02615F77c	EGWO	28	29	1	-1	4,694.765	2,722.199	0.55	-1.7
3857,350354	3511,828264		02615F77c	STWO	11	3857,350354	3713,125444		139	F	F77c	02615F77c	STWO	9	10	1	2	3,112.304	3,567.125	0.55	2.1
4063,353473	2911,466681		02623F78d	EGWO	27	4063,353473	2976,092524		48	F	F78d	02623F78d	EGWO	24	28	4	3	4,694.765	2,722.199	4.75	2.1
11748,97464			02631K49a	EGWO	49	11748,97464	3108,36155		4	K	K49a	02631K49a	EGWO		49			11,024.607			
12176,2326	4133,202743		02631K49b	EGWO	49	12176,2326	3013,553091		28	K	K49b	02631K49b	EGWO	49	49	0	0	12,607.067	3,989.588	0.55	-1.7
7216,670173	4034,04658		02631K49b	STWO	49	7216,670173	2614,601413		76	K	K49b	02631K49b	STWO	48	44	-4	1	7,859.686	3,989.588	-3.65	2.1
10463,37769			02631K49c	EGWO	49	10463,37769	3087,1077		2	K	K49c	02631K49c	EGWO					11,024.607			
9634,320911			02631K49d	EGWO	49	9634,320911	2351,02065		4	K	K49d	02631K49d	EGWO	49	49	0	0	9,442.146		0.55	-1.7
6948,791713	3966,373421		02631K49d	STWO	49	6948,791713	2625,692233		73	K	K49d	02631K49d	STWO	48	41	-7	1	6,277.225	3,989.588	-7.85	2.1
5581,233213	3827,367943		02666M56c	STWO	44	5581,233213	3089,532129		45	M	M56c	02666M56c	STWO	34	31	-3	10	6,277.225	3,989.588	-3.65	9.7
5006,598669	3176,655317		02674N67a	EGWO	37	5006,598669	3118,581598		12	N	N67a	02674N67a	EGWO	33	37	4	4	4,694.765	3,144.662	4.75	2.1
5516,528926	2603,93547		02704M56b	EGWO	49	5516,528926	2364,7675		1	M	M56b	02704M56b	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6702,271246	3935,242076		02704M56b	STWO	49	6702,271246	2722,557667		20	M	M56b	02704M56b	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
6513,300213	3894,299927		02704M56c	STWO	49	6513,300213	2763,522621		56	M	M56c	02704M56c	STWO	40	40	0	9	6,277.225	3,989.588	0.55	9.7
6181,924866	3944,782336		02712M56c	STWO	49	6181,924866	3098,060131		84	M	M56c	02712M56c	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
7669,215312	3660,583802		02720M56b	EGWO	49	7669,215312	3856,137645		27	M	M56b	02720M56b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6607,233472	3912,501499		02720M56b	STWO	49	6607,233472	2727,760696		93	M	M56b	02720M56b	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
8108,847198	4683,933965		02739K91c	EGWO	49	8108,847198	4044,745441		5	K	K91c	02739K91c	EGWO	48	47	-1	1	7,859.686	4,834.514	-1.55	2.1
4110,305995	3844,78214		02747F76b	STWO	7	4110,305995	4293,679583		48	F	F76b	02747F76b	STWO	8	8	0	-1	4,694.765	3,989.588	0.55	-1.7
6910,888846	3088,644383		02755K90a	EGWO	49	6910,888846	2714,839787		17	K	K90a	02755K90a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5177,203183	3653,038182		02755K90a	STWO	35	5177,203183	3434,781635		170	K	K90a	02755K90a	STWO	34	30	-4	1	4,694.765	3,567.125	-3.65	2.1
5358,226804	2637,458399		02755K90i	EGWO	49	5358,226804	2500,103771		4	K	K90i	02755K90i	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
6013,403361	3848,058534		02755K90i	STWO	44	6013,403361	3339,047438		56	K	K90i	02755K90i	STWO	37	36	-1	7	6,277.225	3,989.588	-1.55	5.9
4693,604394	3517,55632		02755K91b	STWO	33	4693,604394	3158,521458		125	K	K91b	02755K91b	STWO	33	29	-4	0	4,694.765	3,567.125	-3.65	-1.7
6864,443616	4142,963345		02798K48f	STWO	49	6864,443616	3275,443993		205	K	K48f	02798K48f	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
5472,763085	3712,904423		02801N65b	EGWO	33	5472,763085	3649,499565		24	N	N65b	02801N65b	EGWO	28	32	4	5	4,694.765	3,567.125	4.75	5.9
4519,707207	3091,646433		02828F89b	EGWO	30	4519,707207	3131,924127		24	F	F89b	02828F89b	EGWO	28	32	4	2	4,694.765	3,144.662	4.75	2.1
4757,274604	3990,557672		02828F89b	STWO	14	4757,274604	4348,949912		24	F	F89b	02828F89b	STWO	18	15	-3	-4	4,694.765	3,989.588	-3.65	-5.5
4430,965583	2997,401757		02879F77f	EGWO	33	4568,211573	2921,614175		14	F	F77f	02879F77f	EGWO	25	31	6	8	4,694.765	3,144.662	6.85	9.7
4408,903891	2840,17324		02895F76a	EGWO	36	4428,707986	2720,009987		40	F	F76a	02895F76a	EGWO	32	35	3	4	4,694.765	2,722.199	2.65	2.1
4381,240188	2943,505163		02917F77a	EGWO	30	4381,240188	3048,385592		10	F	F77a	02917F77a	EGWO	27	33	6	3	4,694.765	3,144.662	6.85	2.1
3810,218978	3207,754623		02917F77a	STWO	12	3810,218978	2185,76		1	F	F77a	02917F77a	STWO	12	13	1	0	3,112.304	3,144.662	0.55	-1.7
6748,809036	4013,205647		02925E43a	STWO	49	6748,809036	2958,320503		9	E	E43a	02925E43a	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
6244,99828	3791,503976		02925E43b	STWO	49	6244,99828	2517,539842		12	E	E43b	02925E43b	STWO	43	38	-5	6	6,277.225	3,989.588	-5.75	5.9
5532,687794	4024,653395		02933K90a	STWO	26	5532,687794	4262,507009		109	K	K90a	02933K90a	STWO	33	25	-8	-7	6,277.225	3,989.588	-7.85	-5.5
5803,371926	3928,300655		02941E13d	STWO	35	5803,371926	3998,095831		54	E	E13d	02941E13d	STWO	31	30	-1	4	6,277.225	3,989.588	-1.55	2.1
4819,884795	3660,133139		02968K90d	STWO	29	4819,884795	3433,196614		107	K	K90d	02968K90d	STWO	28	24	-4	1	4,694.765	3,567.125	-3.65	2.1
5308,089283	3450,824638		02992N67a	EGWO	34	5308,089283	3460,670603		6	N	N67a	02992N67a	EGWO	34	35	1	0	4,694.765	3,567.125	0.55	-1.7
4451,767399	3639,10757		02992N67a	STWO	31	4451,767399	3062,748489		28	N	N67a	02992N67a	STWO	19	18	-1	12	4,694.765	3,567.125	-1.55	13.5
6825,280405	3978,957232		03034F86b	STWO	38	6825,280405	3801,958689		606	F	F86b	03034F86b	STWO		23			6,277.225	3,989.588		
3433,13832	2283,317534		03042F77b	EGWO	42	3433,13832	2246,78625		8	F	F77b	03042F77b	EGWO	38	40	2	4	3,112.304	2,299.736	2.65	2.1
4401,179487	3416,227378		03042F77b	STWO	18	4401,179487	2615,324098		2	F	F77b	03042F77b	STWO	16	17	1	2	4,694.765	3,567.125	0.55	2.1
5533,179256	3171,134319		03050N60c	EGWO	43	5533,179256	3081,991504		6	N	N60c	03050N60c	EGWO	38	41	3	5	6,277.225	3,144.662	2.65	5.9
4426,516847	3544,404831		03050N60c	STWO	35	4426,516847	2868,813085		120	N	N60c	03050N60c	STWO	20	19	-1	15	4,694.765	3,567.125	-1.55	13.5
6980,599647	4076,357797		03077N62b	EGWO	45	6980,599647	3853,322736		6	N	N62b	03077N62b	EGWO	40	41	1	5	6,277.225	3,989.588	0.55	5.9
5664,652406	3805,082637		03085M56c	STWO	45	5664,652406	2981,252944		48	M	M56c	03085M56c	STWO	34	32	-2	11	6,277.225	3,989.588	-1.55	9.7
5667,143928	3697,063081		03093N60b	EGWO	38	5667,143928	3558,334813		10	N	N60b	03093N60b	EGWO	33	36	3	5	6,277.225	3,567.125	2.65	5.9
5088,167032	3663,592576		03093N60b	STWO	41	5088,167032	2975,215395		8	N	N60b	03093N60b	STWO	28	27	-1	13	4,694.765	3,567.125	-1.55	13.5
4695,241122	2808,891657		03093N60c	EGWO	38	4695,241122	2715,283458		6	N	N60c	03093N60c	EGWO	38	36	-2	0	4,694.765	2,722.199	-1.55	-1.7
4897,021815	3722,590135		03093N60c	STWO	37	4897,021815	3062,516196		27	N	N60c	03093N60c	STWO	21	24	3	16	4,694.765	3,567.125	2.65	17.3
8056	3344,680225		03115A05c	EGWO	38	8056	3042,677453		1	A	A05c	03115A05c	EGWO	43	45	2	-5	7,859.686	3,144.662	2.65	-5.5
7784,732887	4638,554544		03115A05c	STWO	44	7784,732887	4184,940205		8	A	A05c	03115A05c	STWO	44	42	-2	0	7,859.686	4,834.514	-1.55	-1.7
6418,633275	4140,592712		03131E43a	STWO	47	6418,633275	3431,749503		215	E	E43a	03131E43a	STWO	37	35	-2	10	6,277.225	3,989.588	-1.55	9.7
6057,324841			03131E75a	EGWO	49	6057,324841			1	E	E75a	03131E75a	EGWO	49	49	0	0	6,277.225		0.55	-1.7
6474,747853	4057,619005		03131E75a	STWO	44	6474,747853	3984,808602		46	E	E75a	03131E75a	STWO	37	36	-1	7	6,277.225	3,989.588	-1.55	5.9
6664,634837	4129,931875		03131E75c	STWO	47	6664,634837	3531,484666		122	E	E75c	03131E75c	STWO	38	38	0	9	6,277.225	3,989.588	0.55	9.7
6891,846013	4146,93425		03158K45b	STWO	49	6891,846013	3496,602159		87	K	K45b	03158K45b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
9786,096636	3545,080598		03174K49b	EGWO	49	9786,096636	2433,895407		11	K	K49b	03174K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7881,490157	4208,800875		03174K49b	STWO	49	7881,490157	2979,163118		3	K	K49b	03174K49b	STWO	47	44	-3	2	7,859.686	4,412.051	-3.65	2.1
9646,159614	3717,444898		03182K49b	EGWO	49	9646,159614	2434,263296		9	K	K49b	03182K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
6992,382063	3934,598048		03182K49b	STWO	49	6992,382063	2381,46455		6	K	K49b	03182K49b	STWO	47	44	-3	2	6,277.225	3,989.588	-3.65	2.1
4150,15712	3316,127058		03190K90c	STWO	26	4150,15712	3130,364375		48	K	K90c	03190K90c	STWO	27	24	-3	-1	4,694.765	3,144.662	-3.65	-1.7
3611,998998	3309,430249		03204F82c	STWO	9	3611,998998	3338,021837		111	F	F82c	03204F82c	STWO	16	9	-7	-7	3,112.304	3,144.662	-7.85	-5.5
4031,346375	3279,10885		03204F82d	STWO	18	4031,346375	3450,730719		196	F	F82d	03204F82d	STWO	17	16	-1	1	4,694.765	3,144.662	-1.55	2.1
6028,21131	4023,93268		03239E37c	STWO	44	6028,21131	3070,688338		79	E	E37c	03239E37c	STWO	35	33	-2	9	6,277.225	3,989.588	-1.55	9.7
6964,064824	4304,052577		03247E42a	STWO	48	6964,064824	3616,921828		96	E	E42a	03247E42a	STWO	40	38	-2	8	6,277.225	4,412.051	-1.55	9.7
5264,243288	2968,15332		03255F85b	EGWO	44	5264,243288	2929,657293		60	F	F85b	03255F85b	EGWO	41	44	3	3	4,694.765	3,144.662	2.65	2.1
7510,21159	4468,576952		03271A03e	STWO	40	7510,21159	4565,74144		10	A	A03e	03271A03e	STWO	43	40	-3	-3	7,859.686	4,412.051	-3.65	-1.7
4241,0321	3768,861111		03301N68c	STWO	6	4241,0321	4209,137449		44	N	N68c	03301N68c	STWO	11	11	0	-5	4,694.765	3,567.125	0.55	-5.5
6448,039115	4188,691273		03328E42a	STWO	46	6448,039115	3485,523674		117	E	E42a	03328E42a	STWO	36	35	-1	10	6,277.225	3,989.588	-1.55	9.7
4421,219778	2597,065506		03344N68d	EGWO	47	4421,219778	2357,902179		18	N	N68d	03344N68d	EGWO	42	41	-1	5	4,694.765	2,722.199	-1.55	5.9
6773,504975	4260,669398		03352M31b	STWO	46	6773,504975	3527,017447		178	M	M31b	03352M31b	STWO	38	37	-1	8	6,277.225	4,412.051	-1.55	9.7
8409,448819	3956,276071		03379K47j	EGWO		8409,448819	4065,5266		1	K	K47j	03379K47j	EGWO					7,859.686	3,989.588		
8440,604155	4577,644541		03379K47j	STWO	49	8440,604155	3435,773972		152	K	K47j	03379K47j	STWO	48	46	-2	1	7,859.686	4,412.051	-1.55	2.1
3788,48828	2761,404997		03367F81a	EGWO	24	3788,48828	2891,958999		22	F	F81a	03367F81a	EGWO	27	27	0	-3	3,112.304	2,722.199	0.55	-1.7
3805,113355	2582,439859		03409F83a	EGWO	30	3805,113355	2635,187715		18	F	F83a	03409F83a	EGWO	30	32	2	0	3,112.304	2,722.199	2.65	-1.7
6946,454134	4225,160278		03417M31a	STWO	49	6946,454134	3544,455556		201	M	M31a	03417M31a	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
4505,722446	2630,370744		03433N70a	EGWO	47	4505,722446	2375,000669		25	N	N70a	03433N70a	EGWO	40	42	2	7	4,694.765	2,722.199	2.65	5.9
4867,662406	3609,552573		03433N70a	STWO	16	4867,662406	3750,232546		46	N	N70a	03433N70a	STWO	15	17	2	1	4,694.765	3,567.125	2.65	2.1
9867,628189	3803,374766		03441K47d	EGWO	49	9867,628189	3255,004029		7	K	K47d	03441K47d	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8431,685991	4242,315669		03441K47d	STWO	49	8431,685991	2842,578124		34	K	K47d	03441K47d	STWO					7,859.686	4,412.051		
10523,58639	3848,572205		03441K47e	EGWO	49	10523,58639	2451,654502		5	K	K47e	03441K47e	EGWO					11,024.607	3,989.588		
8191,1023	4224,46469		03441K47e	STWO	49	8191,1023	2807,371156		47	K	K47e	03441K47e	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6961,775262	4123,431903		03468E13a	STWO	49	6961,775262	3553,133174		78	E	E13a	03468E13a	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
6548,962845	4185,22318		03476E13a	STWO	44	6548,962845	3646,469208		192	E	E13a	03476E13a	STWO	40	35	-5	4	6,277.225	3,989.588	-5.75	2.1
4543,010104	2677,556247		03484N70a	EGWO	47	4543,010104	2401,74152		12	N	N70a	03484N70a	EGWO	39	41	2	8	4,694.765	2,722.199	2.65	9.7
6846,328187	4491,810794		03492A00c	STWO	25	6846,328187	5130,343788		29	A	A00c	03492A00c	STWO	38	33	-5	-13	6,277.225	4,412.051	-5.75	-13.1
7082,692308	3334,807106		03522K52g	EGWO	49	7082,692308	2922,873794		6	K	K52g	03522K52g	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
4169,678369	2490,692968		03530F82d	EGWO	45	4169,678369	2317,011923		22	F	F82d	03530F82d	EGWO	37	41	4	8	4,694.765	2,299.736	4.75	9.7
6509,044659	4241,809754		03573E42a	STWO	45	6509,044659	3561,091681		163	E	E42a	03573E42a	STWO	37	36	-1	8	6,277.225	4,412.051	-1.55	9.7
7665,755277	4225,333839		03603K17f	STWO	49	7665,755277	2910,616255		29	K	K17f	03603K17f	STWO	46	45	1	3	7,859.686	4,412.051	1.55	2.1
4446,969697	2879,926043		03611F78a	EGWO	35	4446,969697	2975,68003		4	F	F78a	03611F78a	EGWO	34	35	1	1	4,694.765	2,722.199	0.55	2.1
4687,822497	2692,745757		03654N69a	EGWO	48	4687,822497	2455,36638		17	N	N69a	03654N69a	EGWO	39	43	4	9	4,694.765	2,722.199	4.75	9.7
6267,778046	3968,83338		03689M32b	STWO	45	6284,027654	3370,866872		123	M	M32b	03689M32b	STWO	35	33	-2	10	6,277.225	3,989.588	-1.55	9.7
5508,258806	4117,397404		03697M31c	STWO	28	5508,258806	4468,7051		13	M	M31c	03697M31c	STWO	28	25	-3	0	6,277.225	3,989.588	-3.65	-1.7
4757,181803	3615,329355		03735K90d	STWO	35	4757,181803	3067,706667		9	K	K90d	03735K90d	STWO	30	25	-5	5	4,694.765	3,567.125	-5.75	5.9
5166,108631	3795,986184		03751N64d	STWO	49	5166,108631	2798,065		2	N	N64d	03751N64d	STWO	33	28	-5	16	4,694.765	3,989.588	-5.75	17.3
4900,416791	2882,683685		03751N68c	EGWO	43	4900,416791	2812,805835		13	N	N68c	03751N68c	EGWO	43	41	-2	0	4,694.765	2,722.199	-1.55	-1.7
4094,894678	3585,303862		03751N68c	STWO	16	4094,894678	3486,816725		328	N	N68c	03751N68c	STWO	13	12	-1	3	4,694.765	3,567.125	-1.55	2.1
4660,484513	2661,753906		03751N68d	EGWO	39	4660,484513	2677,5199		35	N	N68d	03751N68d	EGWO	39	41	2	0	4,694.765	2,722.199	2.65	-1.7
7440,369937	4113,264341		03778K49a	STWO	49	7440,369937	2818,543322		84	K	K49a	03778K49a	STWO	47	44	-3	2	7,859.686	3,989.588	-3.65	2.1
7186,775939	4035,97939		03778K49b	STWO	49	7186,775939	2639,075596		65	K	K49b	03778K49b	STWO	49	44	-5	0	7,859.686	3,989.588	-5.75	-1.7
7421,175562	4169,738262		03778K49d	STWO	49	7421,175562	2775,197573		33	K	K49d	03778K49d	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1

7171,208111	4099,921389	[redacted]	03778K49e	STWO	49	7171,208111	2827,963349	[redacted]	60	K	K49e	03778K49e	STWO	47	43	-4	2	7,859.686	3,989.588	-3.65	2.1
7163,034039	4012,167598		03778K49f	STWO	49	7163,034039	2576,9012		69	K	K49f	03778K49f	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
5757,044742	3785,396857		03778K59a	STWO	35	5757,044742	3696,633708		116	K	K59a	03778K59a	STWO	38	34	-4	-3	6,277.225	3,989.588	-3.65	-1.7
7381,828679	4544,790069		03786A01g	STWO	31	7381,828679	5116,801805		6	A	A01g	03786A01g	STWO		38			7,859.686	4,412.051		
9304,717473			03794A01g	EGWO		9304,717473			5	A	A01g	03794A01g	EGWO					9,442.146			
8098,031215	4954,338865		03794A01g	STWO	29	8098,031215	5710,990704		103	A	A01g	03794A01g	STWO		38			7,859.686	4,834.514		
5525,61189	3968,09493		03808N60a	STWO	38	5525,61189	3404,847863		15	N	N60a	03808N60a	STWO	28	28	0	10	6,277.225	3,989.588	0.55	9.7
5212,677456	3391,118862		03832N63a	EGWO	39	5212,677456	3202,855603		10	N	N63a	03832N63a	EGWO	32	35	3	7	4,694.765	3,567.125	2.65	5.9
6719,15071	4212,685997		03875E18b	STWO	46	6719,15071	3603,490625		25	E	E18b	03875E18b	STWO	40	37	-3	6	6,277.225	4,412.051	-3.65	5.9
7414,459185	4332,138221		03883E18a	STWO	49	7414,459185	3518,084954		18	E	E18a	03883E18a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
6697,608199	4116,705901		03883E18b	STWO	48	6697,608199	3224,137948		30	E	E18b	03883E18b	STWO	41	38	-3	7	6,277.225	3,989.588	-3.65	5.9
7337,53036	3420,80481		03891E18b	EGWO	49	7350,085343	3590,40006		22	E	E18b	03891E18b	EGWO	47	49	2	2	7,859.686	3,567.125	2.65	2.1
6962,396056	4239,238748		03891E18b	STWO	49	6962,396056	3514,68193		185	E	E18b	03891E18b	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9
6344,429311	4272,461707		03956M30a	STWO	38	6344,429311	4675,499198		35	M	M30a	03956M30a	STWO	32	32	0	6	6,277.225	4,412.051	0.55	5.9
4250,614264	3526,578679		03964N69k	STWO	20	4250,614264	3412,904125		36	N	N69k	03964N69k	STWO	20	17	-3	0	4,694.765	3,567.125	-3.65	-1.7
7094,348122	4551,345984		03972M31b	STWO	46	7094,348122	3736,969085		24	M	M31b	03972M31b	STWO	38	36	-2	8	7,859.686	4,412.051	-1.55	9.7
6996,625276	4163,329273		03980K44b	STWO	49	6996,625276	3222,651412		109	K	K44b	03980K44b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7029,400364	4351,276455		03999E14d	STWO	49	7029,400364	3525,975883		168	E	E14d	03999E14d	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
7464,997847	4361,697356		03999E14e	STWO	49	7464,997847	3475,292258		29	E	E14e	03999E14e	STWO	43	42	-1	6	7,859.686	4,412.051	-1.55	5.9
5083,055882	2880,910747		04014N60b	EGWO	46	5083,055882	2764,312452		7	N	N60b	04014N60b	EGWO	40	43	3	6	4,694.765	2,722.199	2.65	5.9
4932,2795	3682,069691		04014N60b	STWO	39	4932,2795	2964,401678		11	N	N60b	04014N60b	STWO	27	25	-2	12	4,694.765	3,567.125	-1.55	13.5
7672,066734	4575,319258		04022A02c	STWO	41	7672,066734	4495,147676		48	A	A02c	04022A02c	STWO	45	40	-5	-4	7,859.686	4,412.051	-5.75	-5.5
3176,418201	3067,892955		04030N66f	STWO	8	3176,418201	2962,854938		80	N	N66f	04030N66f	STWO	7	6	-1	1	3,112.304	3,144.662	-1.55	2.1
8567,539533	4131,016794		04049A02b	EGWO	47	8567,539533	4488,223755		11	A	A02b	04049A02b	EGWO	49	49	0	-2	7,859.686	3,989.588	0.55	-1.7
6178,403756			04049A02b	STWO	48	6178,403756			1	A	A02b	04049A02b	STWO	49	44	-5	-1	6,277.225		-5.75	-1.7
6440,666841	4003,244945		04065K53a	STWO	49	6440,666841	3254,068651		43	K	K53a	04065K53a	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
5395,659722	3148,335033		04073N62a	EGWO	37	5395,659722	3087,960674		16	N	N62a	04073N62a	EGWO	32	35	3	5	4,694.765	3,144.662	2.65	5.9
4124,466548	2847,412586		04081F78b	EGWO	30	4124,466548	2889,30121		27	F	F78b	04081F78b	EGWO	27	31	4	3	4,694.765	2,722.199	4.75	2.1
6725,093959	4203,421353		04103K48a	STWO	49	6725,093959	3362,045405		31	K	K48a	04103K48a	STWO	42	37	-5	7	6,277.225	4,412.051	-5.75	5.9
4379,831623	2655,702616		04111F77c	EGWO	35	4379,831623	1415,9525		8	F	F77c	04111F77c	EGWO	34	36	2	1	4,694.765	2,722.199	2.65	2.1
3906,372396	3267,64346		04111F77c	STWO	19	3906,372396	2897,959956		59	F	F77c	04111F77c	STWO	16	15	-1	3	4,694.765	3,144.662	-1.55	2.1
1181,07448			04138K49a	EGWO	49	11811,07448	3076,19436		5	K	K49a	04138K49a	EGWO		49			11,024.607			
7775,664874	4119,754912		04138K49a	STWO	49	7775,664874	2738,313862		18	K	K49a	04138K49a	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
7033,379657	4177,258289		04146K54d	STWO	49	7033,379657	3298,650976		68	K	K54d	04146K54d	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7021,172839	4247,282542		04154K48a	STWO	49	7021,172839	3375,338065		38	K	K48a	04154K48a	STWO	44	39	-5	5	6,277.225	4,412.051	-5.75	5.9
6898,287015	4163,173762		04162K48a	STWO	49	6898,287015	3259,145074		59	K	K48a	04162K48a	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
5765,475812	4067,842765		04170M56c	STWO	40	5765,475812	4296,551778		48	M	M56c	04170M56c	STWO	31	31	0	9	6,277.225	3,989.588	0.55	9.7
4482,194507	2873,314347		04189F76a	EGWO	37	4482,194507	2811,546867		26	F	F76a	04189F76a	EGWO	32	36	4	5	4,694.765	2,722.199	4.75	5.9
7076,923077	4084,166104		04197M55h	STWO	41	7076,923077	3236,934709		1	M	M55h	04197M55h	STWO	31	31	0	10	7,859.686	3,989.588	0.55	9.7
6386,640286	3273,73994		04200M55d	EGWO	49	6386,640286	3357,489096		11	M	M55d	04200M55d	EGWO	46	49	3	3	6,277.225	3,144.662	2.65	2.1
6753,788506	4110,61926		04200M55d	STWO	46	6753,788506	3704,588053		49	M	M55d	04200M55d	STWO	38	35	-3	8	6,277.225	3,989.588	-3.65	9.7
6956,065412	4356,02567		04227E37d	STWO	45	6956,065412	3834,904731		519	E	E37d	04227E37d	STWO	40	37	-3	5	6,277.225	4,412.051	-3.65	5.9
7676,911223	4701,317529		04227E37g	EGWO	49	7676,911223	3707,87		4	E	E37g	04227E37g	EGWO	49	49	0	0	7,859.686	4,834.514	0.55	-1.7
6406,632836	4118,906663		04227E37g	STWO	49	6406,632836	3157,685424		110	E	E37g	04227E37g	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
6452,794359	3945,858648		04227E40b	STWO	49	6452,794359	2736,602434		195	E	E40b	04227E40b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
4926,487652	3458,085727		04235N65b	EGWO	32	4926,487652	3353,34061		14	N	N65b	04235N65b	EGWO	26	30	4	6	4,694.765	3,567.125	4.75	5.9
7210,30019	3172,42893		04243A00c	EGWO	35	7210,30019	4188,058475		3	A	A00c	04243A00c	EGWO	44	47	3	-9	7,859.686	3,144.662	2.65	-9.3
6455,26483	4216,54755		04243A00c	STWO	35	6455,26483	4186,000918		27	A	A00c	04243A00c	STWO	39	35	-4	-4	6,277.225	4,412.051	-3.65	-5.5
6399,866554	3295,900278		04251A00c	EGWO	40	6399,866554	3612,78852		9	A	A00c	04251A00c	EGWO	44	47	3	-4	6,277.225	3,144.662	2.65	-5.5
6451,73218	4189,76934		04251A00c	STWO	31	6451,73218	4518,039366		28	A	A00c	04251A00c	STWO	38	34	-4	-7	6,277.225	3,989.588	-3.65	-5.5
6352,022902	3163,762201		04286K52g	EGWO	49	6352,022902	2522,317996		12	K	K52g	04286K52g	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
7692,156863	4359,179523		04286K52h	STWO	45	7692,156863	4270,622191		2	K	K52h	04286K52h	STWO	43	39	-4	2	7,859.686	4,412.051	-3.65	2.1
6835,496976	4236,374908		04294M28c	STWO	44	6835,496976	3820,408931		48	M	M28c	04294M28c	STWO	41	37	-4	3	6,277.225	4,412.051	-3.65	2.1
7591,829181	4482,899308		04294M28d	STWO	47	7591,829181	3744,592221		32	M	M28d	04294M28d	STWO	43	41	-2	4	7,859.686	4,412.051	-1.55	2.1
7277,2327	4244,803272		04308M28c	STWO	49	7277,2327	3578,419189		24	M	M28c	04308M28c	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7073,956087	4330,73498		04308M28d	STWO	47	7073,956087	3550,627843		25	M	M28d	04308M28d	STWO	41	39	-2	6	7,859.686	4,412.051	-1.55	5.9
7692,526231	3557,176233		04316A03g	EGWO	49	7692,526231	4002,41125		2	A	A03g	04316A03g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7347,261454	4580,122303		04316A03g	STWO	44	7347,261454	4670,198419		50	A	A03g	04316A03g	STWO	46	41	-5	-2	7,859.686	4,412.051	-5.75	-1.7
5605,570232	4113,947645		04359A00b	STWO	22	5605,570232	4913,370257		32	A	A00b	04359A00b	STWO	36	27	-9	-14	6,277.225	3,989.588	-9.95	-13.1
3730	2248,447656		04383N70b	EGWO	45	3730	2205,439393		3	N	N70b	04383N70b	EGWO	38	41	3	7	3,112.304	2,299.736	2.65	5.9
5265,415236	4258,130202		04383N70b	STWO	27	5265,415236	3737,634606		67	N	N70b	04383N70b	STWO	18	17	-1	9	4,694.765	4,412.051	-1.55	9.7
8288,817903	4222,794835		04391A05d	EGWO	49	8288,817903	5011,921289		4	A	A05d	04391A05d	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
6982,850235	4383,392543		04391A05d	STWO	41	6982,850235	4174,506314		61	A	A05d	04391A05d	STWO	41	37	-4	0	6,277.225	4,412.051	-3.65	-1.7
4025,938622	2772,810516		04405F77f	EGWO	30	4025,938622	2800,251299		33	F	F77f	04405F77f	EGWO	28	31	3	2	4,694.765	2,722.199	2.65	2.1
6977,731206	4029,460152		04413K52c	STWO	49	6977,731206	2888,046159		253	K	K52c	04413K52c	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
3454,18696	3240,575265		04421T93d	STWO	8	3454,18696	3309,759774		233	T	T93d	04421T93d	STWO	8	8	0	0	3,112.304	3,144.662	0.55	-1.7
3654,703927	3219,451464		04421T93j	STWO	34	3654,703927	2415,232674		16	T	T93j	04421T93j	STWO	16	12	-4	18	3,112.304	3,144.662	-3.65	17.3
3431,174481	3270,880005		04421T94b	STWO	13	3431,174481	3140,188007		490	T	T94b	04421T94b	STWO	8	6	-2	5	3,112.304	3,144.662	-1.55	5.9
3242,704016	2350,719526		04421T94i	EGWO	28	3242,704016	2325,528387		30	T	T94i	04421T94i	EGWO	24	28	4	4	3,112.304	2,299.736	4.75	2.1
4302,045103	2949,144658		04421T94j	EGWO	20	4302,045103	3731,680675		6	T	T94j	04421T94j	EGWO	26	31	5	-6	4,694.765	3,144.662	4.75	-5.5
2913,34884	3692,569907		04499T93e	STWO	5	2913,34884	4144,389919		602	T	T93e	04499T93e	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
7329,342028	4272,719624		04502E17a	STWO	49	7336,796903	3436,936288		168	E	E17a	04502E17a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7532,415406	4233,335524		04502E18a	STWO	49	7532,415406	3321,901578		158	E	E18a	04502E18a	STWO	46	44	-2	3	7,859.686	4,412.051	-1.55	2.1
7179,481437	4217,439521		04502E18b	STWO	48	7204,771089	3672,317012		116	E	E18b	04502E18b	STWO	42	40	-2	6	7,859.686	4,412.051	-1.55	5.9
7669,07975	4451,328145		04502E19a	STWO	46	7669,07975	4274,452861		73	E	E19a	04502E19a	STWO	44	41	-3	2	7,859.686	4,412.051	-3.65	2.1
4611,111111			04502E19b	STWO	36	4611,111111			1	E	E19b	04502E19b	STWO	33	33	0	3	4,694.765		0.55	2.1
7068,370202	4145,577478		04510E17a	STWO	49	7068,370202	3107,39714		44	E	E17a	04510E17a	STWO	45	41	-4	4	6,277.225	3,989.588	-3.65	2.1
6646,308639	4113,212748		04529E17a	STWO	49	6646,308639	3317,295735		393	E	E17a	04529E17a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6372,727273	2964,331629		04529E19a	EGWO		6372,727273	2600,7917		1	E	E19a	04529E19a	EGWO					6,277.225	3,144.662		
7674,954089	4666,142846		04529E19a	STWO	49	7674,954089	3763,955056		191	E	E19a	04529E19a	STWO	41	39	-2	8	7,859.686	4,834.514	-1.55	9.7
6601,090475	4210,719166		04545M31a	STWO	47	6601,090475	3504,233162		11	M	M31a	04545M31a	STWO	39	38	-1	8	6,277.225	4,412.051	-1.55	9.7
8094,801523	4151,144379		04553A04d	EGWO	48	8094,801523	4854,6826		7	A	A04d	04553A04d	EGWO	49	49	0	-1	7,859.686	3,989.588	0.55	-1.7
7187,199378	4557,200089		04553A04d	STWO	30	7187,199378	5101,269564		26	A	A04d	04553A04d	STWO	38	36	-2	-8	7,859.686	4,412.051	-1.55	-9.3
7177,46931	3962,153905		04561A05b	EGWO	35	7177,46931	4636,507786		7	A	A05b	04561A05b	EGWO	43	45	2	-8	7,859.686	3,989.588	2.65	-9.3
7584,863206	4568,867844		04561A05b	STWO	36	7584,863206	4864,396862		45	A	A05b	04561A05b	STWO	43	40	-3	-7	7,859.686	4,412.051	-3.65	-5.5
6632,831569	3531,681618		04568A05c	EGWO	38	6632,831569	4169,061195		4	A	A05c	04568A05c	EGWO	43	45	2	-5	6,277.225	3,567.125	2.65	-5.5
7935,40692	4726,633122		04568A05c	STWO	36	7935,40692	5112,421207		21	A	A05c	04568A05c	STWO	42	40	-2	-6	7,859.686	4,834.514	-1.55	-5.5
7246,480082	4189,400497		04596A05c	STWO	38	7246,480082	4626,35575		8	A	A05c	04596A05c	EGWO	41	42	1	-3	7,859.686	3,989.588	0.55	-1.7
7814,013377	4604,153662		04596A05c	STWO	39	7814,013377	4774,503413		24	A	A05c	04596A05c	STWO	42	40	-2	-3	7,859.686	4,412.051	-1.55	-1.7
6843,272627	3728,811383		04618A05b	EGWO	35	6843,272627	4442,033703		9	A	A05b	04618A05b	EGWO	45	46	1	-10	6,277.225	3,567.125	0.55	-9.3
7531,60101	4509,74639		04618A05b	STWO	41	7531,60101	4490,588796		21	A	A05b	04618A05b	STWO	44	40	-4	-3	7,859.686	4,412.051	-3.65	-1.7
7770,324372	3742,231249		04626A05b	EGWO	38	7770,324372	4414,302586		7	A	A05b	04626A05b	EGWO	47	48	1	-9	7,859.686	3,567.125	0.55	-9.3
7786,22024	4537,419793		04626A05b	STWO	41	7786,22024	4687,918553		31	A	A05b	04626A05b	STWO	43	40	-3	-2	7,859.686	4,412.051	-3.65	-1.7
5362,095532			04650A04b	EGWO	36	5362,095532	3252,7613		1	A	A04b	04650A04b	EGWO	45	46	1	-9	4,694.765		0.55	-9.3
6773,003746	4259,2501		04650A04b	STWO	41	6773,003746	4009,413153		99	A	A04b	04650A04b	STWO	41	39	-2	0	6,277.225	4,412.051	-1.55	-1.7
6427,01186	4297,082361		04669M56c	STWO	40	6427,01186	4714,945695		45	M	M56c	04669M56c	STWO	32	33	1	8	6,277.225	4,412.051	0.55	9.7
4972,639857	3638,998103		04677N60c	EGWO	33	4972,639857	3440,624827		19	N	N60c	04677N60c	EGWO	28	31	3	5	4,694.765	3,567.125	2.65	5.9
6005,125113	2728,28103		04685A01e	EGWO	33	7074,766355			1	A	A01e	04685A01e	EGWO	42	44	2	-9	6,277.225	2,722.199	2.65	-9.3
6467,098117	4161,687501		04685A01e	STWO	37	6467,098117	4066,66921		10	A	A01e	04685A01e	STWO	39	36	-3	-2	6,277.225	3,989.588	-3.65	-1.7
6246,099323	4099,771275		04693E38c	STWO	49	6246,099323	3140,655339		93	E	E38c	04693E38c	STWO	37	34	-3	12	6,277.225	3,989.588	-3.65	13.5
7818,399739	3365,323636		04707A09e	EGWO	49	7818,399739	3173,297705		9	A	A09e	04707A09e	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6350,373693	4255,949147		04707A09e	STWO	26	6365,385189	4726,671091		211	A	A09e	04707A09e	STWO	34	32	-2	-8	6,277.225	4,412.051	-1.55	-9.3
6930,057652	4129,877665		04715M27a	STWO	49	6930,057652	3118,752925		220	M	M27a	04715M27a	STWO	43	40	3	6	6,277.225	3,989.588	3.65	5.9
7128,523113	4317,108309		04715M28a	STWO	49	7128,523113	3501,134575		121	M	M28a	04715M28a	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
9257,142857	4539,604643		04723A02a	EGWO	49	9257,142857	5080,682106		1	A	A02a	04723A02a	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
7442,190158	4446,77101		04723A02a	STWO	41	7442,190158	4578,425127		15	A	A02a	04723A02a	STWO	45	39	-6	-4	7,859.686	4,412.051	-5.75	-5.5
8106,224061	4136,767607		04723A02b	EGWO	49	8106,224061	4663,230467		3	A	A02b	04723A02b	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7221,388948	4335,372383		04723A02b	STWO	44	7221,388948	4061,836871		7	A	A02b	04723A02b	STWO	46	41	-5	-2	7,859.686	4,412.051	-5.75	-1.7
5378,050403	3864,292634		04731E39c	STWO	38	5378,050403	3406,373649		78	E	E39c	04731E39c	STWO	28	28	0	10	4,694.765	3,989.588	0.55	9.7
4676,02657			04758N70a	EGWO	40	4676,02657	2818,73625		8	N	N70a	04758N70a	EGWO	39	40	1	1	4,694.765		0.55	2.1
5429,426876	2789,160082		04774K91c	EGWO	49	5429,426876	2428,431804		16	K	K91c	04774K91c	EGWO	48	48	0	1	4,694.765	2,722.199	0.55	2.1
5741,525424	3048,190393		04804A00c	EGWO	35	5741,525424	3108,9214		1	A	A00c	04804A00c	EGWO	44	47	3	-9	6,277.225	3,144.662	2.65	-9.3
6942,146976	4396,880835		04804A00c	STWO	34	6942,146976	4520,24376		39	A	A00c	04804A00c	STWO	40	36	-4	-6	6,277.225	4,412.051	-3.65	-5.5
6176,190476	3393,408033		04812N73f	EGWO	36	6176,190476	3323,525		2	N	N73f	04812N73f	EGWO	38	40	2	-2	6,277.225	3,567.125	2.65	-1.7
6632,904576	3570,371248		04812N73g	EGWO	37	6632,904576	4155,633699		7	N	N73g	04812N73g	EGWO	37	41	4	0	6,277.225	3,567.125	4.75	-1.7

7974,333164	3731,329878	[redacted]	04820A06c	EGWO	47	7974,333164	4209,79442	[redacted]	29	A	A06c	04820A06c	EGWO	49	49	0	-2	7,859.686	3,567.125	0.55	-1.7
7701,908446	4480,512768		04820A06c	STWO	43	7699,648621	4427,484809		308	A	A06c	04820A06c	STWO	45	42	-3	-2	7,859.686	4,412.051	-3.65	-1.7
7882,595478	3738,503348		04839A06c	STWO	43	7882,595478	4353,883754		10	A	A06c	04839A06c	STWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7443,934292	4475,926964		04839A06c	STWO	39	7443,934292	4493,673382		306	A	A06c	04839A06c	STWO	42	39	-3	-3	7,859.686	4,412.051	-3.65	-1.7
6854,432153	4048,595382		04847N62b	EGWO	45	6854,432153	3762,825324		16	N	N62b	04847N62b	EGWO	34	40	6	11	6,277.225	3,989.588	6.85	9.7
6766,265301	4267,628898		04863E37d	STWO	49	6766,265301	3397,422288		187	E	E37d	04863E37d	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
4008,381171	2453,90479		04871F78b	EGWO	38	4008,381171	2240,051		20	F	F78b	04871F78b	EGWO	34	38	4	4	4,694.765	2,299.736	4.75	2.1
3899,576615	2774,725601		04898F81e	EGWO	26	3899,576615	2878,33064		20	F	F81e	04898F81e	EGWO	29	29	0	-3	3,112.304	2,722.199	0.55	-1.7
5052,322109	3671,576017		04901K90c	STWO	31	5052,322109	3487,007097		24	K	K90c	04901K90c	STWO	31	27	-4	0	4,694.765	3,567.125	-3.65	-1.7
1431,555713			04928K90e	EGWO		1431,555713			6	K	K90e	04928K90e	EGWO					1,529.844			
7655,629139			04936A00c	EGWO	35	7655,629139			1	A	A00c	04936A00c	EGWO	44	47	3	-9	7,859.686		2.65	-9.3
6246,732026	4470,037015		04936A00c	STWO	30	6246,732026	4128,659627		2	A	A00c	04936A00c	STWO	39	35	-4	-9	6,277.225	4,412.051	-3.65	-9.3
6742,357559	4103,652604		04960M28a	STWO	49	6742,357559	3201,153992		76	M	M28a	04960M28a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
5331,505077	3935,954833		04979M32a	STWO	32	5345,278945	3955,727501		104	M	M32a	04979M32a	STWO	29	27	-2	3	4,694.765	3,989.588	-1.55	2.1
6790,887675	4320,74754		04987M32a	STWO	42	6790,887675	3635,663135		20	M	M32a	04987M32a	STWO	38	36	-2	4	6,277.225	4,412.051	-1.55	2.1
4410,615145	3334,404129		04995F76a	EGWO	36	4410,615145	3228,34		3	F	F76a	04995F76a	EGWO	31	36	5	5	4,694.765	3,144.662	4.75	5.9
6393,617021	3847,558465		05002E13a	STWO	47	6393,617021	2907,678072		1	E	E13a	05002E13a	STWO	41	37	-4	6	6,277.225	3,989.588	-3.65	5.9
5660,426785	2776,333573		05010K90d	EGWO	49	5660,426785	2353,278398		34	K	K90d	05010K90d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4689,733814	3533,949234		05010K90d	STWO	31	4689,733814	3223,328108		420	K	K90d	05010K90d	STWO	28	23	-5	3	4,694.765	3,567.125	-5.75	2.1
5838,713374	3937,297128		05029M55h	STWO	45	5838,713374	3213,473432		66	M	M55h	05029M55h	STWO	33	32	-1	12	6,277.225	3,989.588	-1.55	13.5
6620,584544	4108,966951		05037E43a	STWO	49	6620,584544	3211,682721		57	E	E43a	05037E43a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6782,9082	4141,922038		05045E43a	STWO	49	6782,9082	3266,166001		239	E	E43a	05045E43a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
5862,808557	2826,589971		05053K90c	EGWO	49	5862,808557	2463,918299		20	K	K90c	05053K90c	EGWO	48	49	1	1	6,277.225	2,722.199	0.55	2.1
4987,262491	3671,999315		05061M31c	STWO	38	4987,262491	2969,412964		91	M	M31c	05061M31c	STWO	29	26	-3	9	4,694.765	3,567.125	-3.65	9.7
5105,063349	3687,443987		05088M31c	STWO	38	5105,063349	2969,3519		32	M	M31c	05088M31c	STWO	30	27	-3	8	4,694.765	3,567.125	-3.65	9.7
6676,023932	4389,277339		05118A00c	STWO	25	6676,023932	5125,241496		8	A	A00c	05118A00c	STWO	39	34	-5	-14	6,277.225	4,412.051	-5.75	-13.1
7467,418221	3743,664161		05126A06k	EGWO	43	7467,418221	4286,78495		10	A	A06k	05126A06k	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7991,435333	4618,153425		05126A06k	STWO	43	7991,435333	4580,504698		108	A	A06k	05126A06k	STWO	44	42	-2	-1	7,859.686	4,412.051	-1.55	-1.7
6264,05794	4139,446982		05150E19b	STWO	32	6264,05794	4251,118329		274	E	E19b	05150E19b	STWO	33	33	0	-1	6,277.225	3,989.588	0.55	-1.7
7265,589357	4465,372543		05150E19c	STWO	46	7265,589357	3730,813457		182	E	E19c	05150E19c	STWO	41	38	-3	7	7,859.686	4,412.051	-3.65	5.9
6750	3833,799465		05177K91c	EGWO	49	6750	3361,39		1	K	K91c	05177K91c	EGWO	48	47	-1	1	6,277.225	3,989.588	-1.55	2.1
5567,176871			05177K91c	STWO	29	5567,176871	3984,572022		22	K	K91c	05177K91c	STWO	29	24	-5	0	6,277.225		-5.75	-1.7
6769,448414	3129,362275		05185M33f	EGWO	49	6769,448414	2746,665103		115	M	M33f	05185M33f	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6382,434454	3879,632124		05185M33f	STWO	47	6382,434454	3024,254904		7	M	M33f	05185M33f	STWO	39	39	0	8	6,277.225	3,989.588	0.55	9.7
6700,602309	4186,712076		05193M31a	STWO	44	6708,725685	3643,734661		160	M	M31a	05193M31a	STWO	40	38	-2	4	6,277.225	3,989.588	-1.55	2.1
6170,74436	4034,809604		05215K53b	STWO	44	6170,74436	3607,963441		107	K	K53b	05215K53b	STWO	36	34	-2	8	6,277.225	3,989.588	-1.55	9.7
6654,493128	4084,510683		05223K53b	STWO	49	6654,493128	3262,729201		53	K	K53b	05223K53b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
5034,997411	3723,179472		05231E37c	STWO	37	5034,997411	3183,710317		71	E	E37c	05231E37c	STWO	33	29	-4	4	4,694.765	3,567.125	-3.65	2.1
6032,714824	3622,210551		05231E38c	STWO	46	6032,714824	3152,086873		9	E	E38c	05231E38c	STWO	40	38	-2	6	6,277.225	3,567.125	-1.55	5.9
5210,103126	3674,448479		05231E39a	STWO	33	5210,103126	3328,755485		41	E	E39a	05231E39a	STWO	24	22	-2	9	4,694.765	3,567.125	-1.55	9.7
5536,764706			05231E39c	STWO	33	5536,764706	3501,381298		1	E	E39c	05231E39c	STWO		28			6,277.225			
6150,443529	4458,056731		05258E39a	STWO	37	6150,443529	3825,667491		771	E	E39a	05258E39a	STWO	24	22	-2	13	6,277.225	4,412.051	-1.55	13.5
4810,525651	3608,914127		05266E37c	STWO	39	4810,525651	2748,945		6	E	E37c	05266E37c	STWO	29	25	-4	10	4,694.765	3,567.125	-3.65	9.7
6339,285714	2945,388279		05266E37e	EGWO		6339,285714	2392,64		1	E	E37e	05266E37e	EGWO					6,277.225	3,144.662		
5473,252138	3803,605589		05266E37e	STWO	49	5473,252138	2808,048465		8	E	E37e	05266E37e	STWO	37	30	-7	12	4,694.765	3,989.588	-7.85	13.5
6609,107722	4285,485051		05266E37f	STWO	48	6609,107722	3404,806577		280	E	E37f	05266E37f	STWO	36	35	-1	12	6,277.225	4,412.051	-1.55	13.5
6357,208129	4159,607301		05266E37g	STWO	49	6357,208129	3223,851675		91	E	E37g	05266E37g	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
5378,036973	3720,916335		05266E38c	STWO	46	5378,036973	2694,723488		124	E	E38c	05266E38c	STWO	33	31	-2	13	4,694.765	3,567.125	-1.55	13.5
4607,612809	3569,119511		05266E39d	STWO	28	4616,226269	3135,50412		61	E	E39d	05266E39d	STWO	26	25	-1	2	4,694.765	3,567.125	-1.55	2.1
5624,789631	2847,753128		05274E20a	EGWO	46	5624,789631	3238,88495		2	E	E20a	05274E20a	EGWO		49			6,277.225	2,722.199		
7745,94279	4292,497484		05274E20a	STWO	49	7745,94279	3154,645986		209	E	E20a	05274E20a	STWO	48	44	-4	1	7,859.686	4,412.051	-3.65	2.1
3655,942254	2593,517386		05282F83a	EGWO	27	3655,942254	2656,908501		27	F	F83a	05282F83a	EGWO	27	29	2	0	3,112.304	2,722.199	2.65	-1.7
4751,139034	2678,32668		05290N69m	EGWO	41	4755,847225	2495,266892		46	N	N69m	05290N69m	EGWO	31	35	4	10	4,694.765	2,722.199	4.75	9.7
7083,782774	4219,540686		05312K54b	STWO	49	7083,782774	3404,165262		183	K	K54b	05312K54b	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
4484,444444	2895,949628		05320N70a	EGWO	40	4484,444444	2791,101667		6	N	N70a	05320N70a	EGWO	35	35	0	5	4,694.765	2,722.199	0.55	5.9
3905,257452	3613,525601		05320N70a	STWO	6	3905,257452	3887,632791		95	N	N70a	05320N70a	STWO	7	9	2	-1	4,694.765	3,567.125	2.65	-1.7
10220,28283	3603,567886		05347K49e	EGWO	49	10220,28283	2399,223232		30	K	K49e	05347K49e	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7417,397107	4136,262478		05347K49e	STWO	49	7417,397107	2758,84801		23	K	K49e	05347K49e	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
3153,617901	3280,657521		05355F81a	STWO	5	3153,617901	3503,878699		180	F	F81a	05355F81a	STWO	8	7	-1	-3	3,112.304	3,144.662	-1.55	-1.7
5011,099896	3962,789315		05371K91c	STWO	24	5011,099896	4231,849988		49	K	K91c	05371K91c	STWO	29	20	-9	-5	4,694.765	3,989.588	-9.95	-5.5
6626,085052	3490,498766		05401N62b	EGWO	42	6626,085052	3434,557674		4	N	N62b	05401N62b	EGWO	36	38	2	6	6,277.225	3,567.125	2.65	5.9
3969,807112	3484,206997		05436N69k	STWO	18	3969,807112	3257,168558		65	N	N69k	05436N69k	STWO	17	14	-3	1	4,694.765	3,567.125	-3.65	2.1
6534,430622	3879,161301		05444M56c	STWO	49	6534,430622	2690,030119		17	M	M56c	05444M56c	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
8124,282043	4295,315229		05460K46a	STWO	49	8124,282043	2969,842848		12	K	K46a	05460K46a	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
10223,52941			05479K49b	EGWO	49	10223,52941	2380,515		1	K	K49b	05479K49b	EGWO	49	49	0	0	9,442.146		0.55	-1.7
6960,572012	3995,580629		05479K49b	STWO	49	6960,572012	2889,265973		103	K	K49b	05479K49b	STWO	45	42	-3	4	6,277.225	3,989.588	-3.65	2.1
6959,17603	4556,458082		05495A04e	EGWO	41	6959,17603	4284,9773		2	A	A04e	05495A04e	EGWO	47	48	1	-6	6,277.225	4,412.051	0.55	-5.5
6222,489665	4103,476585		05495A04e	STWO	39	6222,489665	3543,371487		23	A	A04e	05495A04e	STWO	35	34	-1	4	6,277.225	3,989.588	-1.55	2.1
5686,690125	3262,128047		05517N62a	EGWO	37	6032,2535	4013,412846		3	N	N62a	05517N62a	EGWO	32	35	3	5	6,277.225	3,144.662	2.65	5.9
6240,9771	4080,051471		05525N61c	STWO	42	6240,9771	3585,371567		20	N	N61c	05525N61c	EGWO	34	35	1	8	6,277.225	3,989.588	0.55	9.7
4311,111111	3832,302281		05525N61c	STWO	43	4311,111111	3301,14		1	N	N61c	05525N61c	STWO	30	27	-3	13	4,694.765	3,989.588	-3.65	13.5
5882,591093	2679,409709		05568E20c	STWO		5882,591093	2382,955		1	E	E20c	05568E20c	EGWO					6,277.225	2,722.199		
7675,993862	4352,759824		05568E20c	STWO	49	7675,993862	3254,021166		196	E	E20c	05568E20c	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7524,056966	4338,087399		05568E21a	STWO	49	7524,056966	3277,916708		145	E	E21a	05568E21a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
6214,738875	2910,09823		05576M56a	EGWO	49	6214,738875	3076,932209		14	M	M56a	05576M56a	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6514,491823	3979,511198		05576M56a	STWO	49	6514,491823	2753,152808		74	M	M56a	05576M56a	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
4351,45665	2886,196628		05584F78b	EGWO	31	4351,45665	3016,909463		12	F	F78b	05584F78b	EGWO	29	34	5	2	4,694.765	2,722.199	4.75	2.1
7129,749312	4036,002702		05649K49d	STWO	49	7129,749312	2630,211057		22	K	K49d	05649K49d	STWO	48	44	-4	1	7,859.686	3,989.588	-3.65	2.1
5551,215772	3842,720823		05665M57a	STWO	46	5551,215772	2991,130395		59	M	M57a	05665M57a	STWO	29	30	1	17	6,277.225	3,989.588	0.55	17.3
5171,634318	3693,285941		05681K90c	STWO	31	5171,634318	3519,982917		25	K	K90c	05681K90c	STWO	33	28	-5	-2	4,694.765	3,567.125	-5.75	-1.7
4905,882353	3014,635264		05703N73h	EGWO	45	4905,882353	3648,86		1	N	N73h	05703N73h	EGWO	43	45	2	2	4,694.765	3,144.662	2.65	2.1
2590,24765	3443,057865		05703N73h	STWO	8	2590,24765	3301,39475		16	N	N73h	05703N73h	STWO	5	5	0	3	3,112.304	3,567.125	0.55	2.1
7619,688399	4190,25744		05770K47f	STWO	49	7619,688399	2899,00159		143	K	K47f	05770K47f	STWO	47	45	-2	2	7,859.686	3,989.588	-1.55	2.1
8320,742005	3863,465581		05789A02a	EGWO	49	8320,742005	4104,034667		9	A	A02a	05789A02a	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7752,21116	4528,46933		05789A02a	STWO	44	7752,21116	4354,882289		86	A	A02a	05789A02a	STWO	48	43	-5	-4	7,859.686	4,412.051	-5.75	-5.5
7018,463318	3567,054967		05789A05b	EGWO	45	7018,463318	3649,302171		9	A	A05b	05789A05b	EGWO	46	47	1	-1	6,277.225	3,567.125	0.55	-1.7
8483,361628	4738,389992		05789A05b	STWO	44	8483,361628	4865,477359		109	A	A05b	05789A05b	STWO	48	45	-3	-4	7,859.686	4,834.514	-3.65	-5.5
6646,397557	3539,00973		05789A05c	EGWO	38	6646,397557	3805,50905		4	A	A05c	05789A05c	EGWO	43	45	2	-5	6,277.225	3,567.125	2.65	-5.5
7527,453895	4689,698738		05789A05c	STWO	39	7527,453895	4799,334781		245	A	A05c	05789A05c	STWO	42	38	-4	-3	7,859.686	4,834.514	-3.65	-1.7
8348,658411	3413,22235		05789A06a	EGWO	40	8348,658411	3953,256797		3	A	A06a	05789A06a	EGWO	47	48	1	-7	7,859.686	3,567.125	0.55	-5.5
8237,472011	4845,681125		05789A06a	STWO	40	8237,472011	5082,681749		190	A	A06a	05789A06a	STWO	43	40	-3	-3	7,859.686	4,834.514	-3.65	-1.7
8531,638075	4678,415963		05789A06k	STWO	43	8531,638075	4858,377024		7	A	A06k	05789A06k	STWO	49	45	-4	-6	7,859.686	4,834.514	-3.65	-5.5
5679,617638	3109,605218		05800A04b	EGWO	36	5679,617638	3739,87505		2	A	A04b	05800A04b	EGWO	45	46	1	-9	6,277.225	3,144.662	0.55	-9.3
6191,686067	4040,640738		05800A04b	STWO	39	6191,686067	3798,069116		11	A	A04b	05800A04b	STWO	39	36	-3	0	6,277.225	3,989.588	-3.65	-1.7
6926,772537	3784,59141		05819A05b	EGWO	40	6926,772537	4525,599161		4	A	A05b	05819A05b	EGWO	46	47	1	-6	6,277.225	3,989.588	0.55	-5.5
7567,809251	4608,921272		05819A05b	STWO	38	7567,809251	4802,072284		35	A	A05b	05819A05b	STWO	43	40	-3	-5	7,859.686	4,412.051	-3.65	-5.5
7937,464629	4386,042005		05827A05c	EGWO	38	7937,464629	4527,7657		2	A	A05c	05827A05c	EGWO	43	45	2	-5	7,859.686	4,412.051	2.65	-5.5
8034,258572	4799,380972		05827A05c	STWO	34	8034,258572	5351,541894		17	A	A05c	05827A05c	STWO	42	40	-2	-8	7,859.686	4,834.514	-1.55	-9.3
6803,030303	4315,03865		05835A05c	EGWO	38	6803,030303			1	A	A05c	05835A05c	EGWO	43	45	2	-5	6,277.225	4,412.051	2.65	-5.5
6330,746627	4530,538714		05835A05c	STWO	39	6330,746627	4525,476415		31	A	A05c	05835A05c	STWO	42	38	-4	-3	6,277.225	4,412.051	-3.65	-1.7
5653,333333	3284,031322		05843A05b	EGWO	40	5653,333333	4217,5057		1	A	A05b	05843A05b	EGWO	46	47	1	-6	6,277.225	3,144.662	0.55	-5.5
7712,995128	4578,264418		05843A05b	STWO	42	7712,995128	4490,430284		11	A	A05b	05843A05b	STWO	44	41	-3	-2	7,859.686	4,412.051	-3.65	-1.7
7761,552028	4781,308072		05851A05b	STWO	35	7761,552028	5115,324662		16	A	A05b	05851A05b	STWO	41	38	3	6	7,859.686	4,834.514	3.65	5.5
5377,318541	3299,68721		05878N64a	EGWO	32	5377,318541	3578,959535		57	N	N64a	05878N64a	EGWO	38	39	1	-6	4,694.765	3,144.662	0.55	-5.5
6260,979761	3259,412449		05878N64b	EGWO	44	6260,979761	3392,952609		49	N	N64b	05878N64b	EGWO	45	47	2	-1	6,277.225	3,144.662	2.65	-1.7
5151,071442	2925,087405		05878N70f	EGWO	46	5151,071442	2748,78471		20	N	N70f	05878N70f	EGWO	41	43	2	5	4,694.765	2,722.199	2.65	5.9
5481,360042	2865,094831		05924N74a	EGWO	46	5481,360042	2918,963363		25	N	N74a	05924N74a	EGWO	42	47	5	4	4,694.765	2,722.199	4.75	2.1
4586,980131	3590,459024		05932N69j	STWO	21	4586,980131	3662,164525		120	N	N69j	05932N69j	STWO	22	23	1	-1	4,694.765	3,567.125	0.55	-1.7
5268,016661	3231,137665		05967N60a	STWO	39	5268,016661	3288,788599		18	N	N60a	05967N60a	EGWO	37	39	2	2	4,694.765	3,144.662	2.65	2.1
4910,229109	3532,702007		05967N60a	STWO	36	4910,229109	3124,099538		82	N	N60a	05967N60a	STWO	26	28	2	10	4,694.765	3,567.125	2.65	9.7
4448,051948	3013,14324		05983M34e	EGWO		4448,051948	3794,17		1	M	M34e	05983M34e	EGWO					4,694.765	3,144.662		
4712,422318	3447,652298		06017K90a	STWO	28	4712,422318	3364,221092		39	K	K90a	06017K90a	STWO	33	23	-10	-5	4,694.765	3,567.125	-9.95	-5.5
6667,389283	3933,146561		06033M56c	STWO	49	6667,389283	2739,128673		59	M	M56c	06033M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
3718,92023	2838,770147		06076T98a	EGWO	20	3793,2447	3225,469855		9	T	T98a	06076T98a	EGWO	19	22	3	1	3,112.304	2,722.199	2.65	2.1
4435,416667	3564,101078		06076T98a	STWO	24	4435,416667	2772,562372		2	T	T98a	06076T98a	STWO	17	19	2	7	4,694.765	3,567.125	2.65	5.9

4097,119073	3442,777546	[redacted]	06106F77a	STWO	17	4097,119073	3379,965002	[redacted]	82	F	F77a	06106F77a	STWO	15	16	1	2	4,694.765	3,567.125	0.55	2.1
4377,106796	3506,494225		06106F77b	STWO	20	4377,106796	3486,888733		90	F	F77b	06106F77b	STWO	19	20	1	1	4,694.765	3,567.125	0.55	2.1
4074,13756	3588,460151		06149F76b	STWO	8	4074,13756	3889,451645		26	F	F76b	06149F76b	STWO	7	10	3	1	4,694.765	3,567.125	2.65	2.1
3978,255027	3462,00494		06149F77c	STWO	12	3978,255027	3481,713438		80	F	F77c	06149F77c	STWO	10	12	2	2	4,694.765	3,567.125	2.65	2.1
4108,036086	2956,447203		06157F76a	EGWO	31	4108,036086	2673,912717		14	F	F76a	06157F76a	EGWO	27	31	4	4	4,694.765	3,144.662	4.75	2.1
4062,179487	3896,609631		06157F76a	STWO	5	4062,179487	4471,491027		30	F	F76a	06157F76a	STWO	6	6	0	-1	4,694.765	3,989.588	0.55	-1.7
5912,59323			06157F77a	EGWO	28	5912,59323			4	F	F77a	06157F77a	EGWO	24	30	6	4	6,277.225		6.85	2.1
4456,482394	3837,2829		06165F76a	STWO	7	4456,482394	4249,265193		48	F	F76a	06165F76a	STWO	11	14	3	-4	4,694.765	3,989.588	2.65	-5.5
4331,722215	3465,191401		06173F77b	STWO	21	4331,722215	3439,822195		564	F	F77b	06173F77b	STWO	18	17	-1	3	4,694.765	3,567.125	-1.55	2.1
3417,515323	2581,308364		06181T98a	EGWO	23	3417,515323	2675,264958		21	T	T98a	06181T98a	EGWO	22	26	4	1	3,112.304	2,722.199	4.75	2.1
3870,495881	2784,294312		06203T98a	EGWO	25	3870,495881	2816,444633		19	T	T98a	06203T98a	EGWO	22	26	4	3	3,112.304	2,722.199	4.75	2.1
4175,134229	3820,583755		06238F77a	STWO	7	4175,134229	4287,667076		48	F	F77a	06238F77a	STWO	7	8	1	0	4,694.765	3,989.588	0.55	-1.7
4019,893504	3791,104586		06238F77b	STWO	13	4019,893504	4217,172397		48	F	F77b	06238F77b	STWO	11	12	1	2	4,694.765	3,989.588	0.55	2.1
3872,388438	3397,137267		06238F78c	STWO	10	3872,388438	3518,23009		72	F	F78c	06238F78c	STWO	12	13	1	-2	3,112.304	3,567.125	0.55	-1.7
6848,374664	4243,335289		06297K26b	STWO	49	6848,374664	3436,035589		84	K	K26b	06297K26b	STWO	42	38	-4	7	6,277.225	4,412.051	-3.65	5.9
3990,756551	2996,635611		06300F77a	EGWO	23	3990,756551	3071,517017		22	F	F77a	06300F77a	EGWO	19	25	6	4	4,694.765	3,144.662	6.85	2.1
4697,807043	3785,334071		06300F77b	STWO	13	4697,807043	4374,936127		74	F	F77b	06300F77b	STWO	16	17	1	-3	4,694.765	3,989.588	0.55	-1.7
4304,403008	2902,419739		06319F77c	EGWO	31	4304,403008	2976,638584		48	F	F77c	06319F77c	EGWO	29	32	3	2	4,694.765	2,722.199	2.65	2.1
3858,620432	3217,770512		06319F77c	STWO	19	3858,620432	2791,661258		20	F	F77c	06319F77c	STWO	16	15	-1	3	3,112.304	3,144.662	-1.55	2.1
4373,339121	2925,496805		06378F77a	EGWO	30	4373,339121	3006,439508		11	F	F77a	06378F77a	EGWO	23	32	9	7	4,694.765	2,722.199	8.95	5.9
4755,339519	2948,247808		06386F76a	EGWO	38	4755,339519	2933,764093		102	F	F76a	06386F76a	EGWO	34	38	4	4	4,694.765	3,144.662	4.75	2.1
5047,024894	4011,543362		06386F76a	STWO	10	5047,024894	3538,837603		3	F	F76a	06386F76a	STWO	9	10	1	1	4,694.765	3,989.588	0.55	2.1
4400,297359	2781,969803		06394F85b	EGWO	40	4400,297359	2654,049628		16	F	F85b	06394F85b	EGWO	35	37	2	5	4,694.765	2,722.199	2.65	5.9
3825,827854	2703,417197		06408F83a	EGWO	27	3825,827854	2796,55363		25	F	F83a	06408F83a	EGWO	28	29	1	-1	3,112.304	2,722.199	0.55	-1.7
6504,051041	4115,691893		06424M27b	STWO	46	6504,051041	4630,828243		48	M	M27b	06424M27b	STWO	37	34	-3	9	6,277.225	3,989.588	-3.65	9.7
6974,802857	4200,925623		06432M27b	STWO	49	6974,802857	3181,536873		112	M	M27b	06432M27b	STWO	43	40	-3	6	6,277.225	4,412.051	-3.65	5.9
6952,902941	4157,675801		06440E21a	STWO	49	6952,902941	3240,500351		36	E	E21a	06440E21a	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
6060,741846	4076,549112		06459E38c	STWO	48	6060,741846	3121,732391		14	E	E38c	06459E38c	STWO	35	33	-2	13	6,277.225	3,989.588	-1.55	13.5
7285,622336	3111,591684		06483M56c	EGWO	49	7285,622336	2811,502101		4	M	M56c	06483M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6655,434995	3911,446904		06483M56c	STWO	46	6655,434995	2696,525763		11	M	M56c	06483M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
6929,135259	4094,835564		06491E14f	STWO	47	6929,135259	3618,910626		43	E	E14f	06491E14f	STWO	46	41	-5	1	6,277.225	3,989.588	-5.75	2.1
3456,172403	2633,891058		06505F81e	EGWO	24	3456,172403	2328,735382		11	F	F81e	06505F81e	EGWO	23	25	2	1	3,112.304	2,722.199	2.65	2.1
3528,136447			06580F81e	STWO	7	3528,136447			8	F	F81e	06580F81e	STWO	8	7	-1	-1	3,112.304		-1.55	-1.7
6831,933535	4257,051933		06599E42a	STWO	49	6831,933535	3507,02112		26	E	E42a	06599E42a	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
6537,561448	4129,283647		06599E42b	STWO	49	6537,561448	3325,226605		44	E	E42b	06599E42b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6495,87272	4183,559461		06602E42a	STWO	44	6495,87272	3593,068545		147	E	E42a	06602E42a	STWO	36	35	-1	8	6,277.225	3,989.588	-1.55	9.7
3941,482114	2685,93322		06637N68d	EGWO	38	3941,482114	2690,303125		16	N	N68d	06637N68d	EGWO	34	36	2	4	4,694.765	2,722.199	2.65	2.1
5279,000771	3459,330804		06653N60c	EGWO	37	5279,000771	3347,200487		8	N	N60c	06653N60c	EGWO	33	34	1	4	4,694.765	3,567.125	0.55	2.1
6646,073381	4111,628999		06661M28a	STWO	44	6646,073381	3726,46235		108	M	M28a	06661M28a	STWO	40	38	-2	4	6,277.225	3,989.588	-1.55	2.1
5968,994926	2795,771639		06688K90i	STWO	49	5968,994926	2426,52641		68	K	K90i	06688K90i	EGWO	48	46	-2	1	6,277.225	2,722.199	-1.55	2.1
6621,776389	4206,093382		06718K26a	STWO	48	6621,776389	3426,915557		21	K	K26a	06718K26a	STWO	39	36	-3	9	6,277.225	4,412.051	-3.65	9.7
6597,307109	4112,476714		06718K26b	STWO	49	6597,307109	3324,029366		15	K	K26b	06718K26b	STWO	42	37	-5	7	6,277.225	3,989.588	-5.75	5.9
5358,523837	3565,707595		06734N65b	EGWO	34	5358,523837	3543,83123		28	N	N65b	06734N65b	EGWO	28	33	5	6	4,694.765	3,567.125	4.75	5.9
5368,663594			06742N65b	EGWO	33	5368,663594			7	N	N65b	06742N65b	EGWO	28	32	4	5	4,694.765		4.75	5.9
9515,517241	3787,552912		06750K59a	EGWO	49	9515,517241	2608,40965		4	K	K59a	06750K59a	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
5826,9839	3719,868912		06750K59a	STWO	36	5826,9839	3707,024793		19	K	K59a	06750K59a	STWO	39	36	-3	-3	6,277.225	3,567.125	-3.65	-1.7
6770,144425	4117,480727		06777K24a	STWO	49	6770,144425	3129,636698		106	K	K24a	06777K24a	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
7194,918686	4333,036044		06777K24d	STWO	49	7194,918686	3397,613438		141	K	K24d	06777K24d	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
6571,861574	4078,161363		06777K24e	STWO	49	6571,861574	3128,597712		147	K	K24e	06777K24e	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
7069,240852	4235,120204		06777K25a	STWO	49	7069,240852	3383,424193		94	K	K25a	06777K25a	STWO	42	38	-4	7	7,859.686	4,412.051	-3.65	5.9
6703,518931	4118,223929		06777K25b	STWO	49	6703,518931	3310,509405		70	K	K25b	06777K25b	STWO	44	39	-5	5	6,277.225	3,989.588	-5.75	5.9
6319,812511	3960,808551		06777K25c	STWO	49	6319,812511	2964,221665		65	K	K25c	06777K25c	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
6585,429432	4075,646815		06777K25d	STWO	49	6585,429432	3153,88086		137	K	K25d	06777K25d	STWO	43	38	-5	6	6,277.225	3,989.588	-5.75	5.9
6302,272743	3970,410817		06785M31a	STWO	49	6302,272743	3253,322165		61	M	M31a	06785M31a	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
5832,905063	3905,559809		06785M31b	STWO	46	5832,905063	3134,483827		76	M	M31b	06785M31b	STWO	36	33	-3	10	6,277.225	3,989.588	-3.65	9.7
5383,888969	3771,994057		06785M31c	STWO	38	5383,888969	2995,120174		160	M	M31c	06785M31c	STWO	33	30	-3	5	4,694.765	3,567.125	-3.65	5.9
5700,891348	2754,265276		06807M55g	EGWO	49	5700,891348	2390,392236		37	M	M55g	06807M55g	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6734,811635	4112,028749		06807M55g	STWO	49	6727,317343	3272,229952		33	M	M55g	06807M55g	STWO	39	39	0	10	6,277.225	3,989.588	0.55	9.7
4992,544194	3362,733748		06815N65b	EGWO	34	4992,544194	3298,206942		23	N	N65b	06815N65b	EGWO	27	32	5	7	4,694.765	3,567.125	4.75	5.9
5631,458819	3883,432516		07021M32a	STWO	32	5631,458819	3858,453275		78	M	M32a	07021M32a	STWO	32	31	-1	0	6,277.225	3,989.588	-1.55	-1.7
6005,637726	4060,644878		07072E37g	STWO	47	6005,637726	3161,095351		85	E	E37g	07072E37g	STWO	36	32	-4	11	6,277.225	3,989.588	-3.65	9.7
6162,362542	3913,671687		07080E75a	STWO	49	6162,362542	3087,261574		146	E	E75a	07080E75a	STWO	39	36	-3	10	6,277.225	3,989.588	-3.65	9.7
6395,78945	4077,696635		07080E75c	STWO	49	6395,78945	3286,032523		146	E	E75c	07080E75c	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
10504,11071	3687,882974		07099K49b	EGWO	49	10504,11071	2437,051777		22	K	K49b	07099K49b	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
6466,07382	4126,019238		07110M30a	STWO	48	6466,07382	3319,834855		71	M	M30a	07110M30a	STWO	38	36	-2	10	6,277.225	3,989.588	-1.55	9.7
5460,211189	3875,298371		07129M56c	STWO	40	5460,211189	4006,441698		54	M	M56c	07129M56c	STWO	31	31	0	9	4,694.765	3,989.588	0.55	9.7
4501,041879	3822,064168		07161F85b	STWO	9	4501,041879	4242,580082		75	F	F85b	07161F85b	STWO	15	13	-2	-6	4,694.765	3,989.588	-1.55	-5.5
6804,581002	3931,851753		07196K52a	STWO	49	6804,581002	2715,930765		207	K	K52a	07196K52a	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
6531,668342	3851,925458		07196K52b	STWO	49	6531,668342	2626,489024		183	K	K52b	07196K52b	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7295,25639	4104,967642		07196K52c	STWO	49	7295,25639	2983,443488		131	K	K52c	07196K52c	STWO	45	44	-1	4	7,859.686	3,989.588	-1.55	2.1
6424,860692	3832,493967		07196K52d	STWO	49	6424,860692	2621,213194		55	K	K52d	07196K52d	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
6756,440017	4102,689909		07196K53a	STWO	49	6756,440017	3332,347466		121	K	K53a	07196K53a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6859,897948	4255,707389		07226M30b	STWO	48	6859,897948	3546,408557		20	M	M30b	07226M30b	STWO	40	38	-2	8	6,277.225	4,412.051	-1.55	9.7
4776,252562	2701,660645		07269N69a	EGWO	48	4776,252562	2474,322882		17	N	N69a	07269N69a	EGWO	39	43	4	9	4,694.765	2,722.199	4.75	9.7
3997,597184	3262,248102		07277F82c	STWO	16	3997,597184	2929,050418		55	F	F82c	07277F82c	STWO	16	15	-1	0	4,694.765	3,144.662	-1.55	-1.7
6857,414946	4223,705401		07293E14d	STWO	49	6857,414946	3307,331612		62	E	E14d	07293E14d	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
7260,266823	4578,255327		07293E14e	STWO	47	7260,266823	3801,520607		32	E	E14e	07293E14e	STWO	39	37	-2	8	7,859.686	4,412.051	-1.55	9.7
7152,605973	4080,209766		07307K49e	STWO	49	7152,605973	2752,75632		102	K	K49e	07307K49e	STWO	47	43	-4	2	7,859.686	3,989.588	-3.65	2.1
5066,954932	3076,592523		07404F85b	EGWO	37	5066,954932	3626,156196		15	F	F85b	07404F85b	EGWO	36	39	3	1	4,694.765	3,144.662	2.65	2.1
6879,020063	4293,811114		07439E42b	STWO	48	6879,020063	3581,891358		101	E	E42b	07439E42b	STWO	39	37	-2	9	6,277.225	4,412.051	-1.55	9.7
4179,265566	2588,853353		07455F85b	EGWO	42	4179,265566	2391,8672		4	F	F85b	07455F85b	EGWO	38	40	2	4	4,694.765	2,722.199	2.65	2.1
4736,149004	3806,393392		07455F85b	STWO	14	4736,149004	4102,505217		224	F	F85b	07455F85b	STWO	18	18	0	-4	4,694.765	3,989.588	0.55	-5.5
4623,342866	3746,001868		07455F85c	STWO	15	4623,342866	3989,407605		320	F	F85c	07455F85c	STWO	19	18	-1	-4	4,694.765	3,567.125	-1.55	-5.5
6425,144245	4079,607494		07463M29a	STWO	42	6425,144245	3681,750613		383	M	M29a	07463M29a	STWO	38	36	-2	4	6,277.225	3,989.588	-1.55	2.1
4145,713583	3342,735344		07501F77f	STWO	22	4145,713583	3225,582975		44	F	F77f	07501F77f	STWO	18	19	1	4	4,694.765	3,144.662	0.55	2.1
9958,333333			07528A09d	EGWO		9958,333333	4220,3543		1	A	A09d	07528A09d	EGWO					9,442.146			
6518,293756	4228,6138		07528A09d	STWO	37	6784,162147	4267,402496		6	A	A09d	07528A09d	STWO	40	37	-3	-3	6,277.225	4,412.051	-3.65	-1.7
6209,857326	4072,786596		07528A09e	STWO	24	6209,857326	4738,48545		94	A	A09e	07528A09e	STWO	34	32	-2	-10	6,277.225	3,989.588	-1.55	-9.3
8244,639376			07544K26b	EGWO		8244,639376			2	K	K26b	07544K26b	EGWO					7,859.686			
6856,410578	4220,529486		07544K26b	STWO	49	6856,410578	3404,104345		39	K	K26b	07544K26b	STWO	42	38	-4	7	6,277.225	4,412.051	-3.65	5.9
6625,38036	3921,117009		07560M56b	STWO	49	6625,38036	2708,330616		84	M	M56b	07560M56b	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
6795,059077	4248,684521		07579E37d	STWO	49	6795,059077	3363,160473		70	E	E37d	07579E37d	STWO	40	37	-3	9	6,277.225	4,412.051	-3.65	9.7
6686,194955	4213,663297		07609E43b	STWO	49	6686,194955	3392,539361		92	E	E43b	07609E43b	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
10143,76961	3717,692869		07617K49b	EGWO	49	10143,76961	2548,84085		10	K	K49b	07617K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7105,093253	3964,940799		07617K49b	STWO	49	7105,093253	2467,371167		16	K	K49b	07617K49b	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
8312,539579	4498,002849		07625K47j	STWO	49	8312,539579	3383,006295		227	K	K47j	07625K47j	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
4510,548523	3444,225084		07633F76a	EGWO	36	4510,548523	3317,76		3	F	F76a	07633F76a	EGWO	31	36	5	5	4,694.765	3,567.125	4.75	5.9
6695,858353	4138,804348		07668E40c	STWO	49	6695,858353	3034,314633		83	E	E40c	07668E40c	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
6159,867344	3907,625885		07676K59a	STWO	35	6159,867344	4004,591239		62	K	K59a	07676K59a	STWO	40	37	-3	-5	6,277.225	3,989.588	-3.65	-5.5
5566,666667	2696,880563		07692M55d	EGWO	49	5566,666667	2308,7739		1	M	M55d	07692M55d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6737,934979	4054,958071		07692M55d	STWO	49	6737,934979	3200,99275		77	M	M55d	07692M55d	STWO	40	40	0	9	6,277.225	3,989.588	0.55	9.7
8395,251776	3269,45817		07706K46b	EGWO	49	8395,251776	2513,57136		5	K	K46b	07706K46b	EGWO		49			7,859.686	3,144.662		
7663,201261	4288,091652		07706K46b	STWO	49	7663,201261	3020,348179		59	K	K46b	07706K46b	STWO	47	44	3	2	7,859.686	4,412.051	3.65	2.1
6717,511189	4198,626606		07706K48a	STWO	49	6717,511189	3363,6756		68	K	K48a	07706K48a	STWO	42	37	-5	7	6,277.225	3,989.588	-5.75	5.9
6131,239573	4508,757454		07714F87f	STWO	37	6131,239573	3833,758683		576	F	F87f	07714F87f	STWO					6,277.225	4,412.051		
4060,64247	3647,809123		07714F89b	STWO	14	4060,64247	3833,201046		32	F	F89b	07714F89b	STWO	11	10	-1	3	4,694.765	3,567.125	-1.55	2.1
3722,556926	2341,546915		07722F78d	EGWO	36	3722,556926	2138,022353		17	F	F78d	07722F78d	EGWO	33	36	3	3	3,112.304	2,299.736	2.65	2.1
3843,664004	3393,128169		07722F78d	STWO	23	3843,664004	2902,802186		35	F	F78d	07722F78d	STWO	19	14	-5	4	3,112.304	3,567.125	-5.75	2.1
4025,116081	2836,777447		07730F78d	STWO	28	4025,116081	2902,623972		44	F	F78d	07730F78d	EGWO	27	30	3	1	4,694.765	2,722.199	2.65	2.1
4414,152679	2928,581809		07749N66d	EGWO	35	4414,152679	2851,198051		18	N	N66d	07749N66d	EGWO	32	34	2	3	4,694.765	2,722.199	2.65	2.1
10451,3313	3829,304321		07757K47d	EGWO	49	10451,3313	2978,960396		2	K	K47d	07757K47d	EGWO					11,024.607	3,989.588		
8842,804809	4579,417794		07757K47d	STWO	49	8842,804809	3386,840736		105	K	K47d	07757K47d	STWO		49			9,442.146	4,412.051		
10744,41649	4107,074587		07757K47e	EGWO	49	10744,41649	2506,586703		6	K	K47e	07757K47e	EGWO					11,024.607	3,989.588		
7295,865514	4387,98654		07773K26b	STWO	49	7295,865514	3634,79417		139	K	K26b	07773K26b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7165,743105	4273,044083		07781K25c	STWO	49	7165,743105	3313,1525		29	K	K25c	07781K25c	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9

7554,316714	4412,626205	[redacted]	07781K25d	STWO	49	7554,316714	3525,962615	[redacted]	29	K	K25d	07781K25d	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7447,643692	4370,127551		07803K25d	STWO	49	7447,643692	3464,883706		241	K	K25d	07803K25d	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
4264,947215	2565,290461		07811F85b	EGWO	45	4264,947215	2344,180659		56	F	F85b	07811F85b	EGWO	38	40	2	7	4,694.765	2,722.199	2.65	5.9
10683,76068			07838K47g	EGWO	49	10683,76068	3139,31		2	K	K47g	07838K47g	EGWO					11,024.607			
6731,311794	3917,22316		07838K47g	STWO	49	6731,311794	2638,322818		58	K	K47g	07838K47g	STWO	45	42	-3	4	6,277.225	3,989.588	-3.65	2.1
3903,455424	3328,539001		07846F77c	STWO	18	3903,455424	3169,28541		85	F	F77c	07846F77c	STWO	11	12	1	7	3,112.304	3,144.662	0.55	5.9
3975,032132	2852,57373		07854F78d	EGWO	27	3975,032132	2902,864157		49	F	F78d	07854F78d	EGWO	27	28	1	0	4,694.765	2,722.199	0.55	-1.7
4375,239143	2916,725799		07862F76e	EGWO	34	4375,239143	2863,56781		29	F	F76e	07862F76e	EGWO	29	33	4	5	4,694.765	2,722.199	4.75	5.9
4295,395859	2913,316752		07889F78b	EGWO	30	4295,395859	3010,819793		40	F	F78b	07889F78b	EGWO	30	32	2	0	4,694.765	2,722.199	2.65	-1.7
3685,695252	3250,233895		07889F78b	STWO	34	3685,695252	2399,71		5	F	F78b	07889F78b	STWO	15	14	-1	19	3,112.304	3,144.662	-1.55	17.3
4875,501647	2735,178995		07900N68e	EGWO	46	4875,501647	2613,149065		9	N	N68e	07900N68e	EGWO	44	44	0	2	4,694.765	2,722.199	0.55	2.1
3869,741942	3639,399815		07900N68e	STWO	11	3869,741942	3993,969133		48	N	N68e	07900N68e	STWO	9	9	0	2	3,112.304	3,567.125	0.55	2.1
4585,100463	3087,976371		07919N67a	EGWO	34	4585,100463	3022,395659		12	N	N67a	07919N67a	EGWO	32	35	3	2	4,694.765	3,144.662	2.65	2.1
7025,035479	4031,631006		07927K49f	STWO	49	7025,035479	2916,232569		115	K	K49f	07927K49f	STWO	47	42	-5	2	6,277.225	3,989.588	-5.75	2.1
5268,133935	3560,269989		07935K90a	STWO	34	5268,133935	3466,317173		64	K	K90a	07935K90a	STWO	30	28	-2	4	4,694.765	3,567.125	-1.55	2.1
5047,71274	3660,868618		07951K90d	STWO	32	5047,71274	3413,205259		108	K	K90d	07951K90d	STWO	31	27	-4	1	4,694.765	3,567.125	-3.65	2.1
7051,397589	4241,604268		07978M30b	STWO	49	7051,397589	3455,236977		9	M	M30b	07978M30b	STWO	41	40	-1	8	6,277.225	4,412.051	-1.55	9.7
6459,26615	4076,199268		07986A09e	STWO	32	6459,26615	4250,950274		16	A	A09e	07986A09e	STWO	39	37	-2	-7	6,277.225	3,989.588	-1.55	-5.5
5466,28752	3718,157363		07986A09f	STWO	31	5466,28752	3741,101946		108	A	A09f	07986A09f	STWO	36	32	-4	-5	4,694.765	3,567.125	-3.65	-5.5
5345,887146	4073,755723		07994A09e	STWO	27	5345,887146	3820,442673		11	A	A09e	07994A09e	STWO	30	27	-3	-3	4,694.765	3,989.588	-3.65	-1.7
4825,18797	3501,694817		08001M33i	STWO	43	4825,18797	2602,2104		2	M	M33i	08001M33i	STWO	34	26	-8	9	4,694.765	3,567.125	-7.85	9.7
5514,257179	3872,00028		08001M33j	STWO	30	5514,257179	3822,539013		131	M	M33j	08001M33j	STWO	37	30	-7	-7	6,277.225	3,989.588	-7.85	-5.5
7463,43782	4429,006979		08036E43a	STWO	46	7463,43782	4007,546614		250	E	E43a	08036E43a	STWO	42	40	-2	4	7,859.686	4,412.051	-1.55	2.1
6708,401809	4183,595342		08044E43b	STWO	49	6708,401809	3360,336015		380	E	E43b	08044E43b	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
6533,431085	4339,879155		08052M56c	STWO	40	6533,431085	4825,398282		30	M	M56c	08052M56c	STWO	33	34	1	7	6,277.225	4,412.051	0.55	5.9
6283,648173	4310,719541		08087A09e	STWO	27	6283,648173	4612,956907		241	A	A09e	08087A09e	STWO	34	30	-4	-7	6,277.225	4,412.051	-3.65	-5.5
7315,844338	4256,672392		08117E17a	STWO	49	7323,717587	3531,766422		462	E	E17a	08117E17a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
6797,965696	2926,94065		08117E19a	EGWO		7173,913043	2369,7618		1	E	E19a	08117E19a	EGWO					6,277.225	2,722.199		
8374,288448	4657,370571		08117E19a	STWO	49	8374,288448	3910,924357		100	E	E19a	08117E19a	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
6695,863684	4122,65153		08125E17a	STWO	49	6695,863684	3140,171452		27	E	E17a	08125E17a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7121,396584	4213,186389		08133E17a	STWO	49	7121,396584	3227,745433		184	E	E17a	08133E17a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7897,259995	4414,639693		08133E19a	STWO	49	7897,259995	3714,78085		148	E	E19a	08133E19a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
4910,606061	3344,590517		08168N65c	EGWO	31	4910,606061	3299,517882		10	N	N65c	08168N65c	EGWO	28	30	2	3	4,694.765	3,144.662	2.65	2.1
7947,502904			08176K91c	EGWO	49	7947,502904			2	K	K91c	08176K91c	EGWO	48	47	-1	1	7,859.686		-1.55	2.1
5500	3777,719201		08230A00b	STWO	27	5500	3303,6272		1	A	A00b	08230A00b	STWO	36	32	-4	-9	6,277.225	3,567.125	-3.65	-9.3
7046,46134	4340,692752		08230A01c	STWO	37	7046,46134	4525,918942		22	A	A01c	08230A01c	STWO	39	37	-2	-2	6,277.225	4,412.051	-1.55	-1.7
7103,097603	4473,02825		08230A01e	STWO	32	7103,097603	4859,281893		25	A	A01e	08230A01e	STWO	41	37	-4	-9	7,859.686	4,412.051	-3.65	-9.3
6320,060484	4164,160779		08273A00b	STWO	27	6320,060484	4588,2504		4	A	A00b	08273A00b	STWO	36	32	-4	-9	6,277.225	3,989.588	-3.65	-9.3
7603,801921	4517,458312		08273A00d	STWO	35	7603,801921	4959,589026		11	A	A00d	08273A00d	STWO	44	41	-3	-9	7,859.686	4,412.051	-3.65	-9.3
6554,825205	4060,723217		08281M30a	STWO	46	6566,317469	3600,431359		92	M	M30a	08281M30a	STWO	40	38	-2	6	6,277.225	3,989.588	-1.55	5.9
6968,538211	3981,143389		08303K47g	STWO	49	6968,538211	2658,365241		30	K	K47g	08303K47g	STWO	44	43	-1	5	6,277.225	3,989.588	-1.55	5.9
4957,264957	3457,728429		08311M58i	STWO	35	4957,264957	3200,26		3	M	M58i	08311M58i	STWO		30			4,694.765	3,567.125		
8108,317554	4593,250552		08338K24b	STWO	49	8108,317554	3711,767032		108	K	K24b	08338K24b	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
7970,293071	4562,513144		08338K24c	STWO	49	7970,293071	3749,129752		247	K	K24c	08338K24c	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7376,811594			08354B10a	STWO		7376,811594			1	B	B10a	08354B10a	STWO					7,859.686			
6664,013941	4284,651318		08370M29a	STWO	46	6664,013941	3566,558599		74	M	M29a	08370M29a	STWO	40	35	-5	6	6,277.225	4,412.051	-5.75	5.9
6198,857763	3997,250443		08370M29b	STWO	49	6198,857763	3186,595881		46	M	M29b	08370M29b	STWO	39	35	-4	10	6,277.225	3,989.588	-3.65	9.7
7632,155803	3810,197886		08389M55h	EGWO	49	7632,155803	3659,545212		26	M	M55h	08389M55h	EGWO	47	49	2	2	7,859.686	3,989.588	2.65	2.1
7108,485944	4281,202203		08397K26b	STWO	49	7108,485944	3469,799033		75	K	K26b	08397K26b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6745,593022	4216,792142		08435E42b	STWO	49	6745,593022	3427,079934		59	E	E42b	08435E42b	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
4168,37433	2884,392783		08443F78b	EGWO	30	4168,37433	2924,16415		21	F	F78b	08443F78b	EGWO	26	31	5	4	4,694.765	2,722.199	4.75	2.1
4260,416667	3429,196434		08443F78b	STWO	34	4260,416667	3612,117029		1	F	F78b	08443F78b	STWO	20	19	-1	14	4,694.765	3,567.125	-1.55	13.5
3788,902911	2653,083986		08451F83a	EGWO	29	3788,902911	2686,061011		24	F	F83a	08451F83a	EGWO	28	30	2	1	3,112.304	2,722.199	2.65	2.1
4460			08478K23c	STWO	27	4460	2420,0216		1	K	K23c	08478K23c	STWO	38	29	-9	-11	4,694.765		-9.95	-9.3
4815,309469	3597,939755		08478K90a	STWO	32	4815,309469	3259,375646		380	K	K90a	08478K90a	STWO	30	26	-4	2	4,694.765	3,567.125	-3.65	2.1
11214,28571			08486K91d	EGWO		11214,28571			1	K	K91d	08486K91d	EGWO					11,024.607			
5021,785478	2872,632849		08494N68f	EGWO	43	5021,785478	2823,953971		35	N	N68f	08494N68f	EGWO	39	43	4	4	4,694.765	2,722.199	4.75	2.1
6788,850255	4153,586606		08508E17a	STWO	49	6791,777201	3207,610411		218	E	E17a	08508E17a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6517,299638	4029,500101		08508E18a	STWO	49	6517,299638	3081,611903		134	E	E18a	08508E18a	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
5594,990667	2750,237304		08516K90d	EGWO	49	5594,990667	2459,487279		16	K	K90d	08516K90d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4207,308416	3761,104607		08532N68c	STWO	6	4207,308416	4201,420424		152	N	N68c	08532N68c	STWO	11	11	0	-5	4,694.765	3,567.125	0.55	-5.5
7518,134019	4233,06095		08559E20a	STWO	49	7518,134019	2998,252539		54	E	E20a	08559E20a	STWO	46	44	-2	3	7,859.686	4,412.051	-1.55	2.1
7718,497297	4625,418671		08672E14e	STWO	49	7718,497297	3785,427903		40	E	E14e	08672E14e	STWO	41	40	-1	8	7,859.686	4,834.514	-1.55	9.7
7411,565887	4348,915806		08672E14f	STWO	49	7411,565887	3559,848298		84	E	E14f	08672E14f	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6936,626881	4099,923547		08680K91a	STWO	41	6936,626881	4033,178497		50	K	K91a	08680K91a	STWO	43	39	-4	-2	6,277.225	3,989.588	-3.65	-1.7
4883,394383	2647,753889		08699M30a	EGWO	49	4883,394383	2491,208		2	M	M30a	08699M30a	EGWO	45	46	1	4	4,694.765	2,722.199	0.55	2.1
5861,757814	3950,634577		08699M30a	STWO	45	5861,757814	3191,732852		47	M	M30a	08699M30a	STWO	36	32	-4	9	6,277.225	3,989.588	-3.65	9.7
7171,488728	4092,879859		08710K46a	STWO	49	7171,488728	2539,031101		78	K	K46a	08710K46a	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
7457,097284	4081,040719		08710K47c	STWO	49	7457,097284	2541,848325		25	K	K47c	08710K47c	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
7603,695531	4179,036968		08710K47d	STWO	49	7603,695531	2669,191481		135	K	K47d	08710K47d	STWO					7,859.686	3,989.588		
9384,008807	3569,190632		08710K47e	EGWO	49	9384,008807	2476,036975		20	K	K47e	08710K47e	EGWO					9,442.146	3,567.125		
7154,462821	4134,287857		08710K47e	STWO	49	7154,462821	2584,86291		4	K	K47e	08710K47e	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
7046,678636			08710K47f	EGWO	49	7046,678636	2300,1001		1	K	K47f	08710K47f	EGWO	49	49	0	0	6,277.225		0.55	-1.7
7984,139978	4179,694457		08710K47f	STWO	49	7984,139978	2733,217037		12	K	K47f	08710K47f	STWO	49	48	-1	0	7,859.686	3,989.588	-1.55	-1.7
5297,12934	3985,164876		08729E39c	STWO	34	5297,12934	3837,3766		18	E	E39c	08729E39c	STWO	30	32	2	4	4,694.765	3,989.588	2.65	2.1
6959,586222	4277,225222		08753E37d	STWO	49	6959,586222	3423,025315		165	E	E37d	08753E37d	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
7007,003162	4246,389092		08761E37d	STWO	49	7007,003162	3388,020933		11	E	E37d	08761E37d	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
5247,835498	3993,417783		08788E39d	STWO	33	5247,835498	3265,175		6	E	E39d	08788E39d	STWO	28	24	-4	5	4,694.765	3,989.588	-3.65	5.9
6070,458562	4011,227754		08796A04a	STWO	40	6070,458562	3650,439118		8	A	A04a	08796A04a	STWO	43	35	-8	-3	6,277.225	3,989.588	-7.85	-1.7
6233,595728	3888,606868		08796A05a	STWO	43	6233,595728	2944,011142		4	A	A05a	08796A05a	STWO	44	41	-3	-1	6,277.225	3,989.588	-3.65	-1.7
4907,800673			08818F77f	EGWO	33	4907,800673	3272,927308		2	F	F77f	08818F77f	EGWO	29	33	4	4	4,694.765		4.75	2.1
4290,236025	2625,626121		08818F78b	EGWO	38	4290,236025	2537,223833		7	F	F78b	08818F78b	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
4103,578296	3369,419728		08818F78b	STWO	34	4103,578296	2788,599526		16	F	F78b	08818F78b	STWO	20	17	-3	14	4,694.765	3,567.125	-3.65	13.5
8065,904139	3421,660701		08834M55h	EGWO	49	8065,904139	3282,329953		18	M	M55h	08834M55h	EGWO		49			7,859.686	3,567.125		
6274,509804	3795,762236		08834M55h	STWO	41	6274,509804	2570,976253		1	M	M55h	08834M55h	STWO	31	31	0	10	6,277.225	3,989.588	0.55	9.7
7448,58573	4245,357273		08877E14a	STWO	49	7458,66711	3503,250418		170	E	E14a	08877E14a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6287,811321	4048,492114		08877E14b	STWO	39	6287,811321	3847,12143		80	E	E14b	08877E14b	STWO	42	37	-5	-3	6,277.225	3,989.588	-5.75	-1.7
6364,981316	4224,8164		08877E14c	STWO	29	6364,981316	4558,542309		82	E	E14c	08877E14c	STWO	32	33	1	-3	6,277.225	4,412.051	0.55	-1.7
7171,305705	4369,626927		08877E14d	STWO	49	7171,305705	3598,800169		152	E	E14d	08877E14d	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
6932,645234	4316,129561		08885E14a	STWO	49	7046,519324	3494,739107		49	E	E14a	08885E14a	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
5274,900398			08885E14b	EGWO		5274,900398			1	E	E14b	08885E14b	EGWO					4,694.765			
6376,262487	4365,857821		08885E14b	STWO	38	6376,262487	3947,006833		47	E	E14b	08885E14b	STWO	41	38	-3	-3	6,277.225	4,412.051	-3.65	-1.7
4017,605186	2742,190888		08907F78b	EGWO	29	4017,605186	2841,110647		14	F	F78b	08907F78b	EGWO	26	31	5	3	4,694.765	2,722.199	4.75	2.1
3791,921296	3344,727069		08923F87d	STWO	22	3791,921296	3230,545972		72	F	F87d	08923F87d	STWO	15	15	0	7	3,112.304	3,144.662	0.55	5.9
7772,451421	4274,28763		08931M31a	STWO	49	7772,451421	3874,875755		102	M	M31a	08931M31a	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
6746,345439	3914,265312		08958K52d	STWO	49	6746,345439	2670,544418		22	K	K52d	08958K52d	STWO	42	42	0	7	6,277.225	3,989.588	0.55	5.9
3989,583333	3422,387667		08966E37a	STWO	33	3989,583333	3426,31		1	E	E37a	08966E37a	STWO	27	27	0	6	4,694.765	3,567.125	0.55	5.9
3852,060424	3598,588268		08982N68d	STWO	8	3852,060424	4027,586506		68	N	N68d	08982N68d	STWO	6	8	2	2	3,112.304	3,567.125	2.65	2.1
7166,315702	3518,411093		09008A07f	EGWO	47	7166,315702	3804,27868		5	A	A07f	09008A07f	EGWO					7,859.686	3,567.125		
7119,358468	4175,190296		09008A07f	STWO	47	7119,358468	3442,421042		104	A	A07f	09008A07f	STWO	44	41	-3	3	7,859.686	3,989.588	-3.65	2.1
4015,154344	2619,86028		09016F86a	EGWO	40	4015,154344	2540,702222		9	F	F86a	09016F86a	EGWO	33	36	3	7	4,694.765	2,722.199	2.65	5.9
4340,579065	3558,256675		09016F86a	STWO	28	4340,579065	3136,955223		151	F	F86a	09016F86a	STWO	19	19	0	9	4,694.765	3,567.125	0.55	9.7
4570,841651	3541,677722		09016F86b	STWO	29	4570,841651	3218,231951		43	F	F86b	09016F86b	STWO	23	22	1	6	4,694.765	3,567.125	1.55	5.9
7825,65659	4265,697358		09024K46b	STWO	49	7825,65659	2956,172492		18	K	K46b	09024K46b	STWO	47	45	-2	2	7,859.686	4,412.051	-1.55	2.1
7075,115732	4225,812425		09024K48a	STWO	49	7075,115732	3333,066702		20	K	K48a	09024K48a	STWO	45	40	-5	4	7,859.686	4,412.051	-5.75	2.1
7312,08161	4132,765792		09040K52a	STWO	49	7312,08161	3111,442932		206	K	K52a	09040K52a	STWO	45	43	-2	4	7,859.686	3,989.588	-1.55	2.1
6313,616977	2796,196925		09040K52b	EGWO	49	6313,616977	2382,793283		6	K	K52b	09040K52b	EGWO		49			6,277.225	2,722.199		
6962,620462	4037,612661		09040K52b	STWO	49	6962,620462	2945,953817		147	K	K52b	09040K52b	STWO	43	42	-1	6	6,277.225	3,989.588	-1.55	5.9
4809,855322	3639,795747		09059K90c	STWO	27	4809,855322	3515,922665		46	K	K90c	09059K90c	STWO	31	24	-7	-4	4,694.765	3,567.125	-7.85	-5.5
6655,811012	4090,149131		09067M27a	STWO	48	6655,811012	3868,319526		29	M	M27a	09067M27a	STWO	41	39	-2	7	6,277.225	3,989.588	-1.55	5.9
8537,959622	3854,768002		09075K26a	EGWO	49	8537,959622	3441,789542		17	K	K26a	09075K26a	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
6950,291556	4256,115854		09075K26a	STWO	49	6950,291556	3420,388864		91	K	K26a	09075K26a	STWO	39	39	0	10	6,277.225	4,412.051	0.55	9.7
5778,421159	3454,33234		09083N67a	EGWO	42	5778,421159	3354,525243		5	N	N67a	09083N67a	EGWO	39	40	1	3	6,277.225	3,567.125	0.55	2.1
8487,221351	3254,771647		09156M34e	EGWO		8487,221351	3863,415		4	M	M34e	09156M34e	EGWO					7,859.686	3,144.662		
9138,890615	3512,951466	[redacted]	09180K49a	EGWO	49	9138,890615	2515,897455	[redacted]	20	K	K49a	09180K49a	EGWO		49			9,442.146	3,567.125		

3827,833572	2808,370294	[redacted]	09199N65a	EGWO	24	3827,833572	2899,915882	[redacted]	34	N	N65a	09199N65a	EGWO	19	27	8	5	3,112.304	2,722.199	8.95	5.9
3928,313314	3438,662802		09199N65a	STWO	14	3928,313314	3356,702488		45	N	N65a	09199N65a	STWO		9			4,694.765	3,567.125		
7045,872929	4097,590309		09202K52b	STWO	49	7045,872929	3068,317638		117	K	K52b	09202K52b	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
4107,458913	2600,33025		09237F83a	STWO	36	4107,458913	2608,379387		7	F	F83a	09237F83a	EGWO	32	37	5	4	4,694.765	2,722.199	4.75	2.1
3044,086235	3512,197355		09237F83a	STWO	5	3044,086235	3301,01368		156	F	F83a	09237F83a	STWO	7	5	-2	-2	3,112.304	3,567.125	-1.55	-1.7
4670,886076	3477,403501		09245F76a	EGWO	36	4670,886076	3357,194436		3	F	F76a	09245F76a	EGWO	31	36	5	5	4,694.765	3,567.125	4.75	5.9
4885,884027	2749,909354		09253N68d	EGWO	47	4885,884027	2635,945349		27	N	N68d	09253N68d	EGWO	41	45	4	6	4,694.765	2,722.199	4.75	5.9
4618,89967	3619,717477		09253N68d	STWO	18	4618,89967	3694,867996		37	N	N68d	09253N68d	STWO	13	18	5	5	4,694.765	3,567.125	4.75	5.9
8392,857143			09261A09a	STWO		8392,857143			2	A	A09a	09261A09a	EGWO					7,859.686			
6265,822785	4077,778534		09288A04e	STWO	39	6265,822785	4276,8775		1	A	A04e	09288A04e	STWO	39	36	-3	0	6,277.225	3,989.588	-3.65	-1.7
3909,337635	3293,233665		09296N69l	STWO	14	3909,337635	3368,408445		64	N	N69l	09296N69l	STWO	15	16	1	-1	4,694.765	3,144.662	0.55	-1.7
12961,74731			09318K49c	EGWO	49	12961,74731	3553,820067		3	K	K49c	09318K49c	EGWO					12,607.067			
7616,27907	4156,916306		09318K49c	STWO		7616,27907	2848,050139		1	K	K49c	09318K49c	STWO					7,859.686	3,989.588		
4880,226828	3545,96767		09326K91b	STWO	31	4880,226828	3351,841969		62	K	K91b	09326K91b	STWO	32	26	-6	-1	4,694.765	3,567.125	-5.75	-1.7
5175,323274	3631,153525		09334K59a	STWO	29	5175,323274	3704,953152		27	K	K59a	09334K59a	STWO	34	30	-4	-5	4,694.765	3,567.125	-3.65	-5.5
6932,758737	4066,540776		09342K52b	STWO	49	6932,758737	3013,814897		211	K	K52b	09342K52b	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
4687,393535	3832,682126		09350F76b	STWO	7	4687,393535	4649,049173		56	F	F76b	09350F76b	STWO	12	13	1	-5	4,694.765	3,989.588	0.55	-5.5
6846,821699	4254,941589		09369E13a	STWO	49	6846,821699	3489,762122		75	E	E13a	09369E13a	STWO	42	38	-4	7	6,277.225	4,412.051	-3.65	5.9
11125,84985	5050,348045		09377K59a	EGWO	49	13623,37662	4454,746197		1	K	K59a	09377K59a	EGWO	49	49	0	0	11,024.607	5,256.977	0.55	-1.7
5484,566396	3693,466091		09377K59a	STWO	29	5484,566396	4234,782847		35	K	K59a	09377K59a	STWO	37	29	-8	-8	4,694.765	3,567.125	-7.85	-9.3
6867,797427	3875,968314		09393A01e	EGWO	33	6867,797427	4494,277403		6	A	A01e	09393A01e	EGWO	44	45	1	-11	6,277.225	3,989.588	0.55	-9.3
7002,164578	4352,20663		09393A01e	STWO	35	7002,164578	4503,673007		28	A	A01e	09393A01e	STWO	41	36	-5	-6	6,277.225	4,412.051	-5.75	-5.5
3513,93423	2763,271431		09407F81e	EGWO	23	3513,93423	2933,931377		23	F	F81e	09407F81e	EGWO	23	25	2	0	3,112.304	2,722.199	2.65	-1.7
10233,62526	4060,481023		09423K48c	EGWO		10233,62526	3253,759682		4	K	K48c	09423K48c	EGWO					11,024.607	3,989.588		
7470,324493	4511,089505		09423K48c	STWO	49	7470,324493	3779,874214		48	K	K48c	09423K48c	STWO	41	38	-3	8	7,859.686	4,412.051	-3.65	9.7
6540,592336	4497,528724		09431N60a	EGWO	39	6540,592336	3970,288432		15	N	N60a	09431N60a	EGWO	27	31	4	12	6,277.225	4,412.051	4.75	13.5
6509,294122	4341,881694		09466N60a	EGWO	38	6509,294122	4007,369123		16	N	N60a	09466N60a	EGWO	31	33	2	7	6,277.225	4,412.051	2.65	5.9
6503,080349	4208,456747		09474N60a	EGWO	41	6503,060349	3817,153103		10	N	N60a	09474N60a	EGWO	34	36	2	7	6,277.225	4,412.051	2.65	5.9
6038,75	3694,795995		09482N60a	EGWO	44	6038,75	3427,059053		8	N	N60a	09482N60a	EGWO	32	39	7	12	6,277.225	3,567.125	6.85	13.5
5686,201729	4161,242017		09490N60a	EGWO	35	5686,201729	3675,106374		27	N	N60a	09490N60a	EGWO	27	29	2	8	6,277.225	3,989.588	2.65	9.7
6282,694598	4139,529418		09504N60a	EGWO	38	6282,694598	3851,927969		27	N	N60a	09504N60a	EGWO	30	33	3	8	6,277.225	3,989.588	2.65	9.7
4259,51005	3674,266548		09504N60a	STWO	32	4259,51005	3125,197708		5	N	N60a	09504N60a	STWO	27	22	-5	5	4,694.765	3,567.125	-5.75	5.9
2645,928844	3441,073772		09504N71g	STWO	34	2645,928844	2233,16		40	N	N71g	09504N71g	STWO	28	27	-1	6	3,112.304	3,567.125	-1.55	5.9
5560,606061	4606,198306		09512F88h	EGWO	39	5560,606061	4783,41		1	F	F88h	09512F88h	EGWO	33	36	3	6	6,277.225	4,412.051	2.65	5.9
6954,379551	4380,663764		09520M31a	STWO	46	6954,379551	3721,361306		91	M	M31a	09520M31a	STWO	39	37	-2	7	6,277.225	4,412.051	-1.55	5.9
5354,823653	3879,105702		09539K90a	STWO	27	5354,823653	3888,504943		162	K	K90a	09539K90a	STWO	31	26	-5	-4	4,694.765	3,989.588	-5.75	-5.5
6360,927316	4214,746451		09547E37f	STWO	48	6360,927316	3308,534081		106	E	E37f	09547E37f	STWO	37	34	-3	11	6,277.225	4,412.051	-3.65	9.7
3939,92963	2850,146828		09563N65a	EGWO	26	3939,92963	2910,235294		17	N	N65a	09563N65a	EGWO	21	28	7	5	4,694.765	2,722.199	6.85	5.9
4231,822291	3052,359344		09571F78d	EGWO	26	4231,822291	3152,125165		41	F	F78d	09571F78d	EGWO	23	28	5	3	4,694.765	3,144.662	4.75	2.1
4468,980863	4316,418542		09571F78e	STWO	16	4468,980863	3756,91107		66	F	F78e	09571F78e	STWO	8	10	2	8	4,694.765	4,412.051	2.65	9.7
6052,824166	4302,359805		09598A00b	STWO	27	6052,824166	4953,161		4	A	A00b	09598A00b	STWO	36	32	-4	-9	6,277.225	4,412.051	-3.65	-9.3
4161,719969	2866,198819		09601F82d	EGWO	38	4161,719969	2382,352061		23	F	F82d	09601F82d	EGWO	30	33	3	8	4,694.765	2,722.199	2.65	9.7
4177,130568			09601F82d	STWO	18	4177,130568			17	F	F82d	09601F82d	STWO	17	16	-1	1	4,694.765		-1.55	2.1
6721,507869	4141,357716		09628M29b	STWO	49	6721,507869	3385,201492		114	M	M29b	09628M29b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
8519,124395	3438,423643		09644K48f	EGWO	49	8519,124395	2627,646		4	K	K48f	09644K48f	EGWO		49			7,859.686	3,567.125		
7036,764543	4173,682525		09644K48f	STWO	49	7036,764543	3273,749288		28	K	K48f	09644K48f	STWO	45	41	-4	4	6,277.225	3,989.588	-3.65	2.1
7072,550456	4115,601539		09652K52b	STWO	49	7072,550456	3093,686615		14	K	K52b	09652K52b	STWO	44	42	-2	5	7,859.686	3,989.588	-1.55	5.9
6346,914991	4061,128695		09660E14f	STWO	41	6346,914991	3981,072042		116	E	E14f	09660E14f	STWO	41	36	-5	0	6,277.225	3,989.588	-5.75	-1.7
6081,848003	3823,220014		09679K90d	STWO	38	6081,848003	3521,230833		97	K	K90d	09679K90d	STWO	35	30	-5	3	6,277.225	3,989.588	-5.75	2.1
6218,390805	3839,068903		09709M55g	EGWO	46	6218,390805	2657,9592		1	M	M55g	09709M55g	STWO	38	37	-1	10	6,277.225	3,989.588	-1.55	9.7
6100,771381	4052,369179		09717N73g	EGWO	32	6100,771381	4208,529124		25	N	N73g	09717N73g	EGWO	34	36	2	-2	6,277.225	3,989.588	2.65	-1.7
6303,369801	3750,481902		09776N73f	EGWO	35	6303,369801	4015,006275		64	N	N73f	09776N73f	EGWO	37	39	2	-2	6,277.225	3,567.125	2.65	-1.7
4470	3396,833956		09776N73f	STWO	48	4470	2362,47		1	N	N73f	09776N73f	STWO		29			4,694.765	3,567.125		
7122,779156	4174,052974		09822E18a	STWO	49	7122,779156	3621,110047		26	E	E18a	09822E18a	STWO	43	40	-3	6	7,859.686	3,989.588	-3.65	5.9
3965,952986	2486,576508		09911F82d	EGWO	43	3991,991602	2274,825909		13	F	F82d	09911F82d	EGWO	34	37	3	9	4,694.765	2,299.736	2.65	9.7
4638,941623	3690,549157		09911F82d	STWO	18	4638,941623	3049,950053		2	F	F82d	09911F82d	STWO	19	16	-3	-1	4,694.765	3,567.125	-3.65	-1.7
4150,27205	2717,605916		09938F78a	EGWO	34	4150,27205	2726,080389		9	F	F78a	09938F78a	EGWO	34	35	1	0	4,694.765	2,722.199	0.55	-1.7
7534,090909			09938F78c	EGWO	43	7534,090909			1	F	F78c	09938F78c	EGWO	36	43	7	7	7,859.686		6.85	5.9
3908,864521	3342,352251		09938F78c	STWO	14	3908,864521	3362,506647		25	F	F78c	09938F78c	STWO	11	15	4	3	4,694.765	3,144.662	4.75	2.1
3981,459269	3340,718559		09938F78d	STWO	15	3981,459269	3366,654406		223	F	F78d	09938F78d	STWO	13	16	3	2	4,694.765	3,144.662	2.65	2.1
9582,195122	4910,37647		10189A06a	EGWO	40	9582,195122	5367,873801		2	A	A06a	10189A06a	EGWO	47	48	1	-7	9,442.146	4,834.514	0.55	-5.5
7449,233332	4519,602142		10189A06a	STWO	43	7449,233332	4455,688018		60	A	A06a	10189A06a	STWO	43	40	-3	0	7,859.686	4,412.051	-3.65	-1.7
7867,941441	4584,562277		10197A02b	STWO	43	7867,941441	4750,532117		24	A	A02b	10197A02b	STWO	47	42	-5	-4	7,859.686	4,412.051	-5.75	-5.5
7431,578111	4436,710253		10200A05b	STWO	39	7431,578111	4525,062046		52	A	A05b	10200A05b	STWO	43	40	-3	-4	7,859.686	4,412.051	-3.65	-5.5
4478,69602	3153,565104		10219N65c	EGWO	30	4478,69602	3164,520865		20	N	N65c	10219N65c	EGWO	25	31	6	5	4,694.765	3,144.662	6.85	5.9
6960,416667			10286A02d	STWO	48	6960,416667			2	A	A02d	10286A02d	STWO	48	44	-4	0	6,277.225		-3.65	-1.7
4168,112442	2609,3174		10308F78b	EGWO	38	4168,112442	2546,568571		31	F	F78b	10308F78b	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1
7893,006013	4315,577515		10316K46a	STWO	49	7893,006013	2876,648044		28	K	K46a	10316K46a	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6204,477433	4259,755631		10324A01g	STWO	38	6204,477433	3783,339565		7	A	A01g	10324A01g	STWO		33			6,277.225	4,412.051		
5406,613865	3206,313089		10340N60b	EGWO	41	5406,613865	3173,409783		26	N	N60b	10340N60b	EGWO	38	41	3	3	4,694.765	3,144.662	2.65	2.1
4937,007874	3465,101702		10340N60b	STWO	39	4937,007874	2494,086234		1	N	N60b	10340N60b	STWO	28	27	-1	11	4,694.765	3,567.125	-1.55	9.7
4662,251656			10359N60b	EGWO	43	4662,251656	2894,51		1	N	N60b	10359N60b	EGWO	38	41	3	5	4,694.765		2.65	5.9
4600,340031	2629,832546		10367N68c	EGWO	48	4600,340031	2409,824625		7	N	N68c	10367N68c	EGWO	46	43	-3	2	4,694.765	2,722.199	-3.65	2.1
4146,203444	3623,490727		10367N68c	STWO	16	4146,203444	3630,506166		94	N	N68c	10367N68c	STWO	14	13	-1	2	4,694.765	3,567.125	-1.55	2.1
5079,487179	3385,153915		10375N63a	EGWO	37	5079,487179	3220,339601		12	N	N63a	10375N63a	EGWO	31	33	2	6	4,694.765	3,567.125	2.65	5.9
3308,89204			10383M58b	STWO	47	3308,89204			1	M	M58b	10383M58b	STWO		36			3,112.304			
6821,71044	3798,674842		10472N73d	EGWO	40	6821,71044	3863,833825		135	N	N73d	10472N73d	EGWO	40	43	3	0	6,277.225	3,989.588	2.65	-1.7
5350,913995	3890,622637		10472N73d	STWO		5350,913995	3052,860217		2	N	N73d	10472N73d	STWO					4,694.765	3,989.588		
5922,48062	3246,498197		10480N73d	EGWO	40	5922,48062	3059,57		1	N	N73d	10480N73d	EGWO	40	43	3	0	6,277.225	3,144.662	2.65	-1.7
5904,692791	3079,965183		10480N73f	EGWO	36	5904,692791	2472,74825		3	N	N73f	10480N73f	EGWO	38	40	2	-2	6,277.225	3,144.662	2.65	-1.7
5209,700772	3663,10673		10480N73f	STWO	49	5209,700772	2668,234438		6	N	N73f	10480N73f	STWO		30			4,694.765	3,567.125		
7705,02978	4475,779251		10499K24d	STWO	49	7705,02978	3512,581857		20	K	K24d	10499K24d	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7436,180739	4402,761979		10499K25d	STWO	49	7436,180739	3560,086645		198	K	K25d	10499K25d	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6632,953912	4173,744168		10502A00e	STWO	39	6632,953912	3975,956692		5	A	A00e	10502A00e	STWO	42	36	-6	-3	6,277.225	3,989.588	-5.75	-1.7
3676,278616	3430,228711		10510F81e	STWO	7	3676,278616	3556,887362		221	F	F81e	10510F81e	STWO	8	7	-1	-1	3,112.304	3,567.125	-1.55	-1.7
4154,691007	3078,384929		10537F77f	EGWO	28	4154,691007	3154,879308		14	F	F77f	10537F77f	EGWO	24	28	4	4	4,694.765	3,144.662	4.75	2.1
6162,037037	4122,485487		10553N62b	EGWO	42	6162,037037	3708,84657		4	N	N62b	10553N62b	EGWO	36	38	2	6	6,277.225	3,989.588	2.65	5.9
6755,902056	4188,947027		10561N62b	EGWO	42	6755,902056	3887,406125		17	N	N62b	10561N62b	EGWO	33	36	3	9	6,277.225	3,989.588	2.65	9.7
5573,614707	3993,003969		10588M56c	STWO	40	5573,614707	4238,147964		120	M	M56c	10588M56c	STWO	31	31	0	9	6,277.225	3,989.588	0.55	9.7
3939,357215	2773,040268		10596F81e	EGWO	27	3939,357215	2885,950092		24	F	F81e	10596F81e	EGWO	27	30	3	0	4,694.765	2,722.199	2.65	-1.7
4030,434651	2848,931281		10618F78b	EGWO	28	4030,434651	2957,930835		10	F	F78b	10618F78b	EGWO	25	29	4	3	4,694.765	2,722.199	4.75	2.1
4475,115376	3063,449392		10626F77a	EGWO	29	4475,115376	3180,050294		11	F	F77a	10626F77a	EGWO	24	32	8	5	4,694.765	3,144.662	8.95	5.9
7046,893395	4215,059822		10634K54b	STWO	49	7046,893395	3397,645289		208	K	K54b	10634K54b	STWO	42	40	-2	7	6,277.225	4,412.051	-1.55	5.9
4891,222752	3652,953763		10642N61b	STWO	40	4891,222752	2846,281227		10	N	N61b	10642N61b	STWO	29	25	-4	11	4,694.765	3,567.125	-3.65	9.7
7316,225616	4172,924852		10669K52a	STWO	49	7316,225616	3125,604615		77	K	K52a	10669K52a	STWO	45	43	-2	4	7,859.686	3,989.588	-1.55	2.1
3946,826491	2731,085315		10677N65a	EGWO	29	3946,826491	2795,361333		15	N	N65a	10677N65a	EGWO	23	31	8	6	4,694.765	2,722.199	8.95	5.9
4765,384615	3925,826274		10677N65a	STWO	17	4765,384615	3478,609191		4	N	N65a	10677N65a	STWO		11			4,694.765	3,989.588		
8288,549863	3978,035758		10685A06c	EGWO	45	8288,549863	4541,851261		19	A	A06c	10685A06c	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5
7961,24346	4646,451249		10685A06c	STWO	40	7961,24346	4795,161239		158	A	A06c	10685A06c	STWO	44	42	-2	-4	7,859.686	4,834.514	-1.55	-5.5
7915,877383	3769,236898		10685A06l	EGWO	45	7915,877383	4293,39668		9	A	A06l	10685A06l	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
7836,280792	4526,148122		10685A06l	STWO	46	7836,280792	4238,684946		159	A	A06l	10685A06l	STWO	45	42	-3	1	7,859.686	4,412.051	-3.65	2.1
7429,606394	3771,770972		10693A06l	EGWO	43	7429,606394	4240,331958		17	A	A06l	10693A06l	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7707,239884	4517,80889		10693A06l	STWO	45	7707,239884	4203,195182		222	A	A06l	10693A06l	STWO	44	41	3	1	7,859.686	4,412.051	3.65	2.1
5232,132357	3678,048038		10707K90d	STWO	33	5232,132357	3545,970189		108	K	K90d	10707K90d	STWO	32	29	-3	1	4,694.765	3,567.125	-3.65	2.1
7282,018426	4521,528088		10715A01e	STWO	31	7282,018426	5000,980247		12	A	A01e	10715A01e	STWO	42	38	-4	-11	7,859.686	4,412.051	-3.65	-9.3
5329,785437	3930,929224		10723E37c	STWO	34	5329,785437	3602,966984		120	E	E37c	10723E37c	STWO	29	26	-3	5	4,694.765	3,989.588	-3.65	5.9
5487,055943	3985,177089		10723E38c	STWO	41	5487,055943	3912,352208		150	E	E38c	10723E38c	STWO	30	28	-2	11	6,277.225	3,989.588	-1.55	9.7
6077,274562	4191,377403		10758M56c	STWO	40	6077,274562	4553,213268		36	M	M56c	10758M56c	STWO	32	31	-1	8	6,277.225	3,989.588	-1.55	9.7
4306,97832	4037,4293		10766N68d	STWO	8	4306,97832	4743,071834		8	N	N68d	10766N68d	STWO	8	13	5	0	4,694.765	3,989.588	4.75	-1.7
6789,45121	3562,227275		10790M28c	EGWO	46	6789,45121	3570,5016		3	M	M28c	10790M28c	EGWO		49			6,277.225	3,567.125		
6518,541196	4167,885711		10790M28c	STWO	48	6518,541196	3364,599252		66	M	M28c	10790M28c	STWO	38	36	-2	10	6,277.225	3,989.588	-1.55	9.7
5768,551419	3932,204064		10820M55h	STWO	44	5768,551419	3232,112125		48	M	M55h	10820M55h	STWO	32	32	0	12	6,277.225	3,989.588	0.55	13.5
3357,150415	3288,864905		10839F82c	STWO	9	3357,150415	3282,718877		131	F	F82c	10839F82c	STWO	6	6	0	3	3,112.304	3,144.662	0.55	2.1
4701,492537	2558,519861		10847N61b	EGWO	46	4701,492537	2189		1	N	N61b	10847N61b	EGWO	40	43	3	6	4,694.765	2,722.199	2.65	5.9
4874,804461	3662,84985	[redacted]	10847N61b	STWO	40	4874,804461	2883,066782	[redacted]	31	N	N61b	10847N61b	STWO	28	24	-4	12	4,694.765	3,567.125	-3.65	13.5

7221,943282	3578,743732	[redacted]	10855A06g	EGWO	47	7221,943282	3822,495258	[redacted]	7	A	A06g	10855A06g	EGWO	49	49	0	-2	7,859.686	3,567.125	0.55	-1.7
7620,225717	4563,141127		10855A06g	STWO	38	7620,225717	4798,6795		240	A	A06g	10855A06g	STWO	43	40	-3	-5	7,859.686	4,412.051	-3.65	-5.5
7933,935031	3660,549549		10863A06g	STWO	42	7933,935031	4280,553444		12	A	A06g	10863A06g	STWO	49	49	0	-7	7,859.686	3,567.125	0.55	-5.5
7538,701475	4505,614664		10863A06g	STWO	42	7538,701475	4456,52775		143	A	A06g	10863A06g	STWO	43	40	-3	-1	7,859.686	4,412.051	-3.65	-1.7
6085,409304	3980,267655		10871E38c	STWO	45	6085,409304	3265,928396		133	E	E38c	10871E38c	STWO	37	35	-2	8	6,277.225	3,989.588	-1.55	9.7
6286,274147	4181,699436		10898E38c	STWO	48	6286,274147	3256,28793		98	E	E38c	10898E38c	STWO	36	33	-3	12	6,277.225	3,989.588	-3.65	13.5
5378,947368	3616,790926		10928E36b	STWO		5378,947368	2437,222469		1	E	E36b	10928E36b	STWO					4,694.765	3,567.125		
4601,781995	2701,440528		10936F89c	EGWO	43	4601,781995	2352,258988		27	F	F89c	10936F89c	EGWO	38	41	3	5	4,694.765	2,722.199	2.65	5.9
7193,732309	4279,988141		10944E18a	STWO	49	7206,746412	3414,985009		243	E	E18a	10944E18a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
3580,24935	2627,314483		10987N69m	EGWO	32	3580,24935	2412,907947		37	N	N69m	10987N69m	EGWO	22	27	5	10	3,112.304	2,722.199	4.75	9.7
3760,82067	3222,972993		10987N69m	STWO	14	3760,82067	3198,254115		196	N	N69m	10987N69m	STWO	14	11	-3	0	3,112.304	3,144.662	-3.65	-1.7
4447,610153	2787,877294		11002F85b	EGWO	40	4447,610153	2671,613051		16	F	F85b	11002F85b	EGWO	37	37	0	3	4,694.765	2,722.199	0.55	2.1
4646,696024	2745,961117		11010F89c	EGWO	42	4646,696024	2318,775419		15	F	F89c	11010F89c	EGWO	37	41	4	5	4,694.765	2,722.199	4.75	5.9
8098,148749	4129,879972		11029K46c	STWO	49	8098,148749	2701,44435		19	K	K46c	11029K46c	STWO					7,859.686	3,989.588		
10021,73913			11037K46c	EGWO		10021,73913	2955,7591		1	K	K46c	11037K46c	EGWO					9,442.146			
7612,888087			11037K46c	STWO	49	7612,888087	2397,69		5	K	K46c	11037K46c	STWO					7,859.686			
11283,66762			11045K46a	EGWO	49	11283,66762	2355,8486		1	K	K46a	11045K46a	EGWO					11,024.607			
7569,763357	4073,513286		11045K46a	STWO	49	7569,763357	2455,785795		35	K	K46a	11045K46a	STWO					7,859.686	3,989.588		
10394,81293	4195,69035		11045K47d	EGWO	49	10394,81293	3900,555897		2	K	K47d	11045K47d	EGWO					11,024.607	3,989.588		
8251,317345	4321,905748		11045K47d	STWO	49	8251,317345	2967,0382		30	K	K47d	11045K47d	STWO	49	48	-1	0	7,859.686	4,412.051	-1.55	-1.7
3094,152217	3258,113726		11088F82b	STWO	13	3094,152217	3383,865417		96	F	F82b	11088F82b	STWO	11	10	-1	2	3,112.304	3,144.662	-1.55	2.1
6783,660131	4146,58619		11096A01g	STWO	33	6783,660131	3902,579655		2	A	A01g	11096A01g	STWO		38			6,277.225	3,989.588		
6523,354958	4144,206879		11118A00b	EGWO	30	6523,354958	4863,3125		2	A	A00b	11118A00b	EGWO	39	41	2	-9	6,277.225	3,989.588	2.65	-9.3
5505,747126	3862,478926		11118A00b	STWO	27	5505,747126	3991,8975		1	A	A00b	11118A00b	STWO	36	32	-4	-9	6,277.225	3,989.588	-3.65	-9.3
6959,459459	4267,885601		11126A00d	STWO	37	6959,459459	4700,292409		1	A	A00d	11126A00d	STWO	43	39	-4	-6	6,277.225	4,412.051	-3.65	-5.5
4820,379676	3067,244578		11177N62a	EGWO	38	4820,379676	2969,886336		9	N	N62a	11177N62a	EGWO	33	36	3	5	4,694.765	3,144.662	2.65	5.9
5180,144338	3331,983561		11185N62a	EGWO	37	5180,144338	3195,68007		16	N	N62a	11185N62a	EGWO	31	35	4	6	4,694.765	3,144.662	4.75	5.9
5693,904624	4059,238729		11193K90a	STWO	26	5693,904624	4280,224033		109	K	K90a	11193K90a	STWO	31	26	-5	-5	6,277.225	3,989.588	-5.75	-5.5
5281,701799	4113,357148		11258E38c	STWO	41	5281,701799	3765,794396		16	E	E38c	11258E38c	STWO	30	28	-2	11	4,694.765	3,989.588	-1.55	9.7
6702,79533	4230,351306		11258E38d	STWO	47	6702,79533	3541,582846		50	E	E38d	11258E38d	STWO	39	36	-3	8	6,277.225	4,412.051	-3.65	9.7
5635,683687	4095,982453		11258E39a	STWO	28	5635,683687	4417,35048		60	E	E39a	11258E39a	STWO	20	26	6	8	6,277.225	3,989.588	6.85	9.7
5017,214139	3713,813001		11258E39c	STWO	34	5017,214139	3283,502554		42	E	E39c	11258E39c	STWO	24	25	1	10	4,694.765	3,567.125	0.55	9.7
4561,398055	3711,668951		11304E39a	STWO	28	4561,398055	3755,039479		58	E	E39a	11304E39a	STWO	21	19	-2	7	4,694.765	3,567.125	-1.55	5.9
6110,415454	4193,470399		11312E39c	STWO	31	6110,415454	4227,798505		75	E	E39c	11312E39c	STWO		32			6,277.225	3,989.588		
6151,060559	2945,678338		11339M33e	EGWO	49	6151,060559	2519,402748		64	M	M33e	11339M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5573,58282	3977,335037		11339M33e	STWO	31	5573,58282	3853,887425		126	M	M33e	11339M33e	STWO	31	29	-2	0	6,277.225	3,989.588	-1.55	-1.7
6161,922361	4094,576952		11347E38c	STWO	48	6161,922361	3172,078015		233	E	E38c	11347E38c	STWO	36	33	-3	12	6,277.225	3,989.588	-3.65	13.5
4741,991666	3828,674302		11355F89a	STWO	15	4741,991666	4067,617781		88	F	F89a	11355F89a	STWO	21	19	-2	-6	4,694.765	3,989.588	-1.55	-5.5
4944,372959	3147,212152		11363N67a	EGWO	37	4944,372959	3115,427404		7	N	N67a	11363N67a	EGWO	35	36	1	2	4,694.765	3,144.662	0.55	2.1
6365,902968	3884,778214		11398K52b	STWO	49	6365,902968	2776,836885		90	K	K52b	11398K52b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
4878,086845	2874,140789		11401F85b	EGWO	44	4878,086845	2759,357474		14	F	F85b	11401F85b	EGWO	37	41	4	7	4,694.765	2,722.199	4.75	5.9
9210,722477	3500,713503		11428K59a	EGWO	49	9210,722477	2419,199392		8	K	K59a	11428K59a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
5877,260679	3839,080115		11428K59a	STWO	34	5877,260679	3850,712719		19	K	K59a	11428K59a	STWO	38	35	-3	-4	6,277.225	3,989.588	-3.65	-5.5
3498,743791	3289,166113		11436F82c	STWO	16	3498,743791	2647,114405		13	F	F82c	11436F82c	STWO	8	6	-2	8	3,112.304	3,144.662	-1.55	9.7
4120,011567			11444F78d	STWO	18	4120,011567	3242,696887		2	F	F78d	11444F78d	STWO	14	16	2	4	4,694.765		2.65	2.1
7282,457395	4399,969342		11460E16a	STWO	49	7282,457395	3585,962996		218	E	E16a	11460E16a	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
5587,062937	2822,200725		11479M55g	EGWO	49	5587,062937	2618,99585		2	M	M55g	11479M55g	EGWO	47	49	2	2	6,277.225	2,722.199	2.65	2.1
6733,465436	4141,715562		11479M55g	STWO	47	6733,465436	3531,080719		105	M	M55g	11479M55g	STWO	38	38	0	9	6,277.225	3,989.588	0.55	9.7
6163,944656	3246,914077		11487M55g	STWO	46	6163,944656	3388,401899		71	M	M55g	11487M55g	STWO	45	47	2	1	6,277.225	3,144.662	2.65	2.1
6282,190373	4024,586557		11487M55g	EGWO	49	6282,190373	3238,239124		64	M	M55g	11487M55g	EGWO	35	36	1	14	6,277.225	3,989.588	0.55	13.5
7913,761869	3588,456565		11495A07g	EGWO	49	7913,761869	3986,00495		2	A	A07g	11495A07g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7343,637755	4348,487088		11495A07g	STWO	45	7343,637755	4068,583618		31	A	A07g	11495A07g	STWO	44	41	-3	1	7,859.686	4,412.051	-3.65	2.1
7197,530864	3208,277067		11495A07h	EGWO	49	7197,530864	3644,8221		1	A	A07h	11495A07h	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
7861,343107	4274,364707		11495A07h	STWO	49	7861,343107	3217,460765		6	A	A07h	11495A07h	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
6979,005272	4319,555946		11525E14d	STWO	49	6979,005272	3464,987068		98	E	E14d	11525E14d	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
6870,133801	3953,426126		11533M56c	STWO	49	6870,133801	2778,762847		16	M	M56c	11533M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
5950	2949,424161		11576N61b	EGWO	46	5950	2822,219826		1	N	N61b	11576N61b	EGWO	40	43	3	6	6,277.225	3,144.662	2.65	5.9
4604,036874	3655,567681		11576N61b	STWO	33	4604,036874	3073,533978		97	N	N61b	11576N61b	STWO	26	20	-6	7	4,694.765	3,567.125	-5.75	5.9
7104,00003	4183,712206		11584K24b	STWO	49	7104,00003	3110,795426		48	K	K24b	11584K24b	STWO	44	41	-3	5	7,859.686	3,989.588	-3.65	5.9
7184,335269	4379,477138		11584K24c	STWO	49	7184,335269	3412,328404		89	K	K24c	11584K24c	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7343,316923	4374,222666		11584K24d	STWO	49	7343,316923	3473,669525		96	K	K24d	11584K24d	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7294,550179	4327,659014		11584K24e	STWO	49	7294,550179	3725,490591		71	K	K24e	11584K24e	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6285,12736	4193,459251		11584K25c	STWO	41	6285,12736	4240,728831		102	K	K25c	11584K25c	STWO	36	33	-3	5	6,277.225	3,989.588	-3.65	5.9
6913,757609	4256,105242		11584K25d	STWO	49	6913,757609	3343,012719		79	K	K25d	11584K25d	STWO	42	38	-4	7	6,277.225	4,412.051	-3.65	5.9
6356,443385	4153,547588		11614E38c	STWO	49	6356,443385	3210,112387		79	E	E38c	11614E38c	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
7524,368761	3303,787556		11622M55h	EGWO	49	7524,368761	3004,11158		13	M	M55h	11622M55h	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
4005,967124	3725,690644		11630F76a	STWO	10	4005,967124	3123,986608		13	F	F76a	11630F76a	STWO	9	10	1	1	4,694.765	3,567.125	0.55	2.1
8154,139434	3439,919102		11649M55h	EGWO	49	8154,139434	3294,965644		18	M	M55h	11649M55h	EGWO		49			7,859.686	3,567.125		
6274,509804	3795,762236		11649M55h	STWO	41	6274,509804	2570,976253		1	M	M55h	11649M55h	STWO	31	31	0	10	6,277.225	3,989.588	0.55	9.7
4378,893469	3730,223076		11657F89b	STWO	14	4378,893469	3979,761941		24	F	F89b	11657F89b	STWO	18	14	-4	-4	4,694.765	3,567.125	-3.65	-5.5
6677,05432	4165,778036		11665E75b	STWO	49	6677,05432	3372,848273		83	E	E75b	11665E75b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6597,087379	3287,579235		11673M56c	EGWO	49	6597,087379	2777,0725		1	M	M56c	11673M56c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6204,699233	3986,482839		11673M56c	STWO	44	6204,699233	3461,255852		82	M	M56c	11673M56c	STWO	36	35	-1	8	6,277.225	3,989.588	-1.55	9.7
8199,019608	3444,135773		11711M55h	EGWO	49	8199,019608	3294,976262		10	M	M55h	11711M55h	EGWO		49			7,859.686	3,567.125		
7076,923077	4084,166104		11711M55h	STWO	41	7076,923077	3236,934709		1	M	M55h	11711M55h	STWO	31	31	0	10	7,859.686	3,989.588	0.55	9.7
3263,974744	3051,378168		11738T93d	STWO	6	3263,974744	3140,745055		50	T	T93d	11738T93d	STWO	6	7	1	0	3,112.304	3,144.662	0.55	-1.7
6560,43956	3897,048781		11746M32d	STWO		6560,43956	3062,237747		1	M	M32d	11746M32d	STWO					6,277.225	3,989.588		
5069,354278	3259,404345		11797N60c	EGWO	39	5069,354278	3130,647041		34	N	N60c	11797N60c	EGWO	33	37	4	6	4,694.765	3,144.662	4.75	5.9
5338,8623	4000,455525		11797N60c	STWO	27	5338,8623	4587,409647		31	N	N60c	11797N60c	STWO	21	21	0	6	4,694.765	3,989.588	0.55	5.9
4309,327823	2603,085201		11800N69a	EGWO	44	4309,327823	2407,003165		9	N	N69a	11800N69a	EGWO	39	40	1	5	4,694.765	2,722.199	0.55	5.9
6874,276587	4083,388102		11827K44a	STWO	49	6874,276587	3121,316735		43	K	K44a	11827K44a	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
4590,6298	2633,087626		11843N70b	EGWO	49	4590,6298	2351,011707		21	N	N70b	11843N70b	EGWO	39	43	4	10	4,694.765	2,722.199	4.75	9.7
6908,200876	4180,708789		11851A04c	STWO	43	6908,200876	3687,572204		10	A	A04c	11851A04c	STWO	39	39	0	4	6,277.225	3,989.588	0.55	2.1
7029,439144	4249,168243		11878A04c	STWO	40	7029,439144	4254,334163		22	A	A04c	11878A04c	STWO	39	38	-1	1	6,277.225	4,412.051	-1.55	2.1
3654,826468	2598,683648		11886F81a	EGWO	27	3654,826468	2653,215714		21	F	F81a	11886F81a	EGWO	29	29	0	-2	3,112.304	2,722.199	0.55	-1.7
8648,977889	3951,763122		11894A07e	EGWO	49	8648,977889	4204,857587		3	A	A07e	11894A07e	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7700,709086	4668,741072		11894A07e	STWO	38	7700,709086	4754,692104		239	A	A07e	11894A07e	STWO	42	39	-3	-4	7,859.686	4,834.514	-3.65	-5.5
5289,524865	3878,121311		11908M31c	STWO	28	5289,524865	4103,522822		84	M	M31c	11908M31c	STWO	27	24	-3	1	4,694.765	3,989.588	-3.65	2.1
4361,660719	2638,062116		11959N65c	EGWO	38	4361,660719	2399,202494		40	N	N65c	11959N65c	EGWO	35	38	3	3	4,694.765	2,722.199	2.65	2.1
4325,710802	2759,972418		11967F76a	EGWO	39	4325,710802	2658,19912		16	F	F76a	11967F76a	EGWO	32	37	5	7	4,694.765	2,722.199	4.75	5.9
6442,996743			12017K24c	EGWO	48	6442,996743	3314,839158		1	K	K24c	12017K24c	EGWO					6,277.225			
7678,924451	4377,920098		12017K24c	STWO	49	7678,924451	3548,885407		207	K	K24c	12017K24c	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7784,094161	4476,237949		12017K24d	STWO	49	7784,094161	3560,418991		47	K	K24d	12017K24d	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7957,362636	4298,40287		12033K47a	STWO	49	7957,362636	2821,6553		105	K	K47a	12033K47a	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6820,057409	3902,648042		12033K47e	STWO	49	6820,057409	2533,669572		16	K	K47e	12033K47e	STWO	45	43	-2	4	6,277.225	3,989.588	-1.55	2.1
7772,482063	4376,224974		12033K47f	STWO	49	7772,482063	3019,717905		156	K	K47f	12033K47f	STWO	48	46	-2	1	7,859.686	4,412.051	-1.55	2.1
7624,365482	3056,515251		12041M56c	EGWO	49	7624,365482	2812,349438		1	M	M56c	12041M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6565,906213	3890,158526		12041M56c	STWO	49	6565,906213	2692,606271		59	M	M56c	12041M56c	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
3922,233194	2796,047634		12068F81e	EGWO	25	3922,233194	2916,483586		20	F	F81e	12068F81e	EGWO	26	29	3	-1	4,694.765	2,722.199	2.65	-1.7
6709,0281	4111,758642		12076E16a	STWO	49	6709,0281	3415,531333		128	E	E16a	12076E16a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6369,506785	4061,766356		12084E16a	STWO	45	6369,506785	3567,749197		148	E	E16a	12084E16a	STWO	38	36	-2	7	6,277.225	3,989.588	-1.55	5.9
6869,705813	4181,334528		12084E16b	STWO	49	6869,705813	3417,187598		186	E	E16b	12084E16b	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
4133,792675	2850,238089		12092F78d	EGWO	30	4133,792675	2905,232855		17	F	F78d	12092F78d	EGWO	27	31	4	3	4,694.765	2,722.199	4.75	2.1
8529,507499	3774,345255		12114A07g	EGWO	49	8529,507499	3913,284324		10	A	A07g	12114A07g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7896,674863	4524,274406		12114A07g	STWO	45	7896,674863	4334,394572		41	A	A07g	12114A07g	STWO	46	43	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7810,453216			12114A07h	EGWO	49	7810,453216	3500,48095		2	A	A07h	12114A07h	EGWO	49	49	0	0	7,859.686		0.55	-1.7
7305,909839	4251,415161		12114A07h	STWO	48	7305,909839	3779,892802		21	A	A07h	12114A07h	STWO	46	42	-4	2	7,859.686	4,412.051	-3.65	2.1
7087,5	3460,81365		12122E21b	EGWO	49	7087,5	3738,9579		1	E	E21b	12122E21b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7910,675964	4523,045426		12122E21b	STWO	49	7910,675964	3548,851733		115	E	E21b	12122E21b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
4847,888976	3854,722292		12130F76b	STWO	7	4847,888976	4773,225779		56	F	F76b	12130F76b	STWO	12	13	1	-5	4,694.765	3,989.588	0.55	-5.5
4741,109508	2741,307667		12149N70b	EGWO	48	4741,109508	2459,613452		16	N	N70b	12149N70b	EGWO	37	42	5	11	4,694.765	2,722.199	4.75	9.7
4528,316425	3593,354053		12157N60c	STWO	34	4528,316425	2960,367864		23	N	N60c	12157N60c	STWO	21	20	-1	13	4,694.765	3,567.125	-1.55	13.5
5873,250776	4113,469423		12173K90a	STWO	26	5873,250776	4384,01778		82	K	K90a	12173K90a	STWO	31	29	-2	-5	6,277.225	3,989.588	-1.55	-5.5
3380,265385	3118,492327		12181T93d	STWO	6	3380,265385	3221,743294		48	T	T93d	12181T93d	STWO	8	8	0	-2	3,112.304	3,144.662	0.55	-1.7
4572,176286	2996,507827	[redacted]	12203F76a	EGWO	35	4572,176286	2945,447516	[redacted]	23	F	F76a	12203F76a	EGWO	29	34	5	6	4,694.765	3,144.662	4.75	5.9

4426,919642	3819,603319	[redacted]	12203F76a	STWO	7	4426,919642	4216,952685	[redacted]	72	F	F76a	12203F76a	STWO	10	14	4	-3	4,694.765	3,989.588	4.75	-1.7
4149,286521	3374,221557		12211F81c	STWO	19	4149,286521	2916,195098		14	F	F81c	12211F81c	STWO	14	18	4	5	4,694.765	3,567.125	4.75	5.9
6877,192982	4414,115493		12254A09h	STWO	40	6877,192982	5060,57		1	A	A09h	12254A09h	STWO	39	37	-2	1	6,277.225	4,412.051	-1.55	2.1
4339,778987	2689,656892		12262F81e	EGWO	33	4339,778987	2734,080143		24	F	F81e	12262F81e	EGWO	33	35	2	0	4,694.765	2,722.199	2.65	-1.7
6949,959626	4279,483755		12319K54a	STWO	49	6949,959626	3503,581081		87	K	K54a	12319K54a	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
6483,52975	4000,124686		12319K54b	STWO	49	6483,52975	3039,582683		35	K	K54b	12319K54b	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
7099,654131	4078,422084		12335K52h	STWO	48	7099,654131	3647,435333		121	K	K52h	12335K52h	STWO	44	43	-1	4	7,859.686	3,989.588	-1.55	2.1
10636,10554	4014,732896		12343K47a	EGWO	49	10636,10554	2637,271786		2	K	K47a	12343K47a	EGWO					11,024.607	3,989.588		
8043,921536	4210,332072		12343K47a	STWO	49	8043,921536	2685,429291		28	K	K47a	12343K47a	STWO					7,859.686	4,412.051		
6019,565217	3727,091746		12378K91c	STWO	34	6019,565217	2663,16072		4	K	K91c	12378K91c	STWO	29	29	0	5	6,277.225	3,567.125	0.55	5.9
7363,150593	3891,460007		12386A05d	EGWO	49	7363,150593	4646,475262		3	A	A05d	12386A05d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7689,643086	4372,167687		12386A05d	STWO	48	7689,643086	3930,321717		9	A	A05d	12386A05d	STWO	46	43	-3	2	7,859.686	4,412.051	-3.65	2.1
7368,852459	3896,617354		12394N73h	STWO	45	7368,852459	4249,70466		1	N	N73h	12394N73h	EGWO	43	45	2	2	7,859.686	3,989.588	2.65	2.1
6692,018925	3898,754835		12408M56b	STWO	49	6692,018925	2669,985846		38	M	M56b	12408M56b	STWO	40	42	2	9	6,277.225	3,989.588	2.65	9.7
7598,472866	3140,586206		12408M56c	EGWO	49	7598,472866	2774,987947		34	M	M56c	12408M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6441,414821	3871,331454		12408M56c	STWO	49	6441,414821	2685,031397		39	M	M56c	12408M56c	STWO	39	40	1	10	6,277.225	3,989.588	0.55	9.7
4675,398732	2696,552393		12416N70b	EGWO	49	4675,398732	2398,639888		9	N	N70b	12416N70b	EGWO	39	42	3	10	4,694.765	2,722.199	2.65	9.7
6790,482781	2996,13937		12424M56c	EGWO	49	6790,482781	2598,106903		6	M	M56c	12424M56c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6572,336263	3904,688989		12424M56c	STWO	49	6572,336263	2716,531076		7	M	M56c	12424M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
3857,05429	2687,226942		12440N68d	EGWO	38	3857,05429	2732,64		16	N	N68d	12440N68d	EGWO	34	36	2	4	3,112.304	2,722.199	2.65	2.1
5069,957179	3757,360211		12459N61b	STWO	39	5069,957179	3059,587474		27	N	N61b	12459N61b	STWO	28	25	-3	11	4,694.765	3,567.125	-3.65	9.7
6568,590754	4064,244824		12467A01g	STWO	33	6568,590754	3629,608803		4	A	A01g	12467A01g	STWO		38			6,277.225	3,989.588		
7540,669856	3381,685585		12475A02c	EGWO	49	7540,669856	3818,6632		1	A	A02c	12475A02c	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7468,476008	4510,283437		12475A02c	STWO	41	7409,303097	4800,080143		15	A	A02c	12475A02c	STWO	44	40	-4	-3	7,859.686	4,412.051	-3.65	-1.7
7214,53081	4506,358298		12483A00d	STWO	32	7214,53081	4733,008037		9	A	A00d	12483A00d	STWO	41	37	-4	-9	7,859.686	4,412.051	-3.65	-9.3
7169,014085	3647,858469		12491A01g	EGWO		7169,014085	4614,972167		1	A	A01g	12491A01g	EGWO					7,859.686	3,567.125		
7294,859307	4334,496384		12491A01g	STWO	33	7294,859307	4121,319578		4	A	A01g	12491A01g	STWO		38			7,859.686	4,412.051		
7339,955424	4567,369893		12505A03f	STWO	35	7339,955424	4782,960038		9	A	A03f	12505A03f	STWO	41	37	-4	-6	7,859.686	4,412.051	-3.65	-5.5
3995,855203	2688,177374		12513F81b	EGWO	35	3995,855203	2459,220535		13	F	F81b	12513F81b	EGWO	33	33	0	2	4,694.765	2,722.199	0.55	2.1
3975,162504	3340,948059		12513F81b	STWO	22	3975,162504	2719,594735		64	F	F81b	12513F81b	STWO	16	17	1	6	4,694.765	3,144.662	0.55	5.9
4202,522862	3008,276628		12521F77f	EGWO	28	4202,522862	3088,092169		37	F	F77f	12521F77f	EGWO	24	28	4	4	4,694.765	3,144.662	4.75	2.1
6631,10732	3667,224271		12580A00a	EGWO	32	6631,10732	4442,012406		12	A	A00a	12580A00a	EGWO	42	44	2	-10	6,277.225	3,567.125	2.65	-9.3
6846,46473	4299,947248		12580A00a	STWO	35	6846,46473	4444,530598		31	A	A00a	12580A00a	STWO	41	37	-4	-6	6,277.225	4,412.051	-3.65	-5.5
6633,333333	3949,836357		12580A00c	EGWO	35	6633,333333	4782,7482		1	A	A00c	12580A00c	EGWO	44	47	3	-9	6,277.225	3,989.588	2.65	-9.3
6766,103465	4306,43176		12580A00c	STWO	31	6766,103465	4716,445867		41	A	A00c	12580A00c	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7634,49263	3921,215623		12580A04d	EGWO	43	7634,49263	4258,839498		6	A	A04d	12580A04d	EGWO	49	49	0	-6	7,859.686	3,989.588	0.55	-5.5
6905,425288	4325,036504		12580A04d	STWO	37	6905,425288	4391,930504		71	A	A04d	12580A04d	STWO	40	38	-2	-3	6,277.225	4,412.051	-1.55	-1.7
6067,023918	4192,969057		12580A04e	STWO	34	6067,023918	4527,645423		19	A	A04e	12580A04e	STWO	39	32	-7	-5	6,277.225	3,989.588	-7.85	-5.5
6750,44867	4011,422451		12602K52b	STWO	49	6750,44867	2948,024404		79	K	K52b	12602K52b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7309,081446	3812,02096		12629K44d	EGWO	49	7309,081446	3685,656273		6	K	K44d	12629K44d	EGWO	47	48	1	2	7,859.686	3,989.588	0.55	2.1
6638,184302	4014,341741		12629K44d	STWO	49	6638,184302	3062,920963		40	K	K44d	12629K44d	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
8083,710074	2789,947051		12645K90c	EGWO	49	8083,710074	2379,819525		8	K	K90c	12645K90c	EGWO	48	48	0	1	7,859.686	2,722.199	0.55	2.1
4980,32474	3833,353588		12653N60a	STWO	32	4980,32474	3295,918717		31	N	N60a	12653N60a	STWO	23	22	-1	9	4,694.765	3,989.588	-1.55	9.7
4673,998479	3740,74037		12661N60a	STWO	32	4673,998479	3153,032879		17	N	N60a	12661N60a	STWO	22	22	0	10	4,694.765	3,567.125	0.55	9.7
7495,781474	4155,25514		12726E20b	STWO	49	7495,781474	2837,069117		8	E	E20b	12726E20b	STWO	47	45	-2	2	7,859.686	3,989.588	-1.55	2.1
7432,195986	4207,135023		12726E20c	STWO	49	7432,195986	3001,063039		25	E	E20c	12726E20c	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
7721,593855	4167,387094		12726E22b	STWO	49	7749,483339	2838,286233		22	E	E22b	12726E22b	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
6435,412574	4069,801608		12734E37d	STWO	49	6435,412574	3084,166773		42	E	E37d	12734E37d	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
7517,869221	4365,725541		12742K24b	STWO	49	7517,869221	3384,063221		28	K	K24b	12742K24b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7784,953076	4510,289866		12742K24e	STWO	49	7784,953076	3657,631746		15	K	K24e	12742K24e	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
8283,768545	4697,185858		12750K24b	STWO	49	8283,768545	3885,436602		85	K	K24b	12750K24b	STWO	45	43	-2	4	7,859.686	4,834.514	-1.55	2.1
8066,601988	4553,371426		12750K24c	STWO	49	8066,601988	3660,957715		90	K	K24c	12750K24c	STWO	47	43	-4	2	7,859.686	4,412.051	-3.65	2.1
6882,352941	3572,421386		12750K24d	EGWO		6882,352941	3986,5188		1	K	K24d	12750K24d	EGWO					6,277.225	3,567.125		
7929,320191	4500,083977		12750K24d	STWO	49	7929,320191	3656,761834		77	K	K24d	12750K24d	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7209,093422	3594,128128		12750K24e	EGWO	48	7209,093422	4024,32065		3	K	K24e	12750K24e	EGWO	49	49	0	-1	7,859.686	3,567.125	0.55	-1.7
7554,413674	4479,990718		12750K24e	STWO	49	7554,413674	3546,484948		239	K	K24e	12750K24e	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
6690,060164	4074,857555		12769E16a	STWO	49	6690,060164	3069,913642		46	E	E16a	12769E16a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7025,39734	3984,8151		12777K47g	STWO	49	7025,39734	2642,990186		130	K	K47g	12777K47g	STWO	44	43	-1	5	6,277.225	3,989.588	-1.55	5.9
8922,651071	3333,397665		12831K49b	EGWO	49	8922,651071	2418,583952		21	K	K49b	12831K49b	EGWO	49	49	0	0	9,442.146	3,144.662	0.55	-1.7
7368,950904	4015,450665		12831K49b	STWO	49	7368,950904	2516,185008		62	K	K49b	12831K49b	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
9095,610592	3354,863581		12831K49d	EGWO	49	9095,610592	2418,177886		7	K	K49d	12831K49d	EGWO	49	49	0	0	9,442.146	3,144.662	0.55	-1.7
7402,188447	4037,319849		12831K49d	STWO	49	7402,188447	2566,347056		71	K	K49d	12831K49d	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
8652,146955	3314,540611		12831K49e	EGWO	49	8652,146955	2408,609429		7	K	K49e	12831K49e	EGWO	49	49	0	0	9,442.146	3,144.662	0.55	-1.7
7323,0008	4047,344983		12831K49e	STWO	49	7323,0008	2579,308442		93	K	K49e	12831K49e	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
6920,768236	4050,053757		12858K52b	STWO	49	6920,768236	2959,823968		70	K	K52b	12858K52b	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7236,23384	4386,136934		12866E40a	STWO	49	7236,23384	3409,23223		338	E	E40a	12866E40a	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
6917,059937	4281,288786		12874E40a	STWO	49	6917,059937	3256,171883		315	E	E40a	12874E40a	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
6159,298226	4046,944334		12890E37f	STWO	49	6159,298226	3078,322256		188	E	E37f	12890E37f	STWO	37	34	-3	12	6,277.225	3,989.588	-3.65	13.5
5777,187654	3945,188028		12904K90c	STWO	31	5777,187654	3952,732938		44	K	K90c	12904K90c	STWO	30	29	-1	1	6,277.225	3,989.588	-1.55	2.1
7644,882833	3808,711769		12939A06k	EGWO	45	7644,882833	4381,754858		4	A	A06k	12939A06k	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5
6723,122841	4731,550953		12939A06k	STWO	42	6723,122841	5052,683745		30	A	A06k	12939A06k	STWO	45	42	-3	-3	6,277.225	4,834.514	-3.65	-1.7
6860,417491	3393,236154		12955M27b	EGWO	49	6860,417491	3579,185725		8	M	M27b	12955M27b	EGWO	48	49	1	1	6,277.225	3,567.125	0.55	2.1
6657,7695	4029,483862		12955M27b	STWO	49	6657,7695	2910,029099		63	M	M27b	12955M27b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
5442,210472	3791,916707		12963K90a	STWO	32	5442,210472	3730,305421		77	K	K90a	12963K90a	STWO	34	31	-3	-2	4,694.765	3,989.588	-3.65	-1.7
7308,136843	4429,497964		12988E16a	STWO	49	7308,136843	3641,787258		111	E	E16a	12988E16a	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
7452,264311	4485,021625		12988E16b	STWO	49	7452,264311	3578,681808		23	E	E16b	12988E16b	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
8264,530075			12988E16c	EGWO		8264,530075			10	E	E16c	12988E16c	EGWO					7,859.686			
7458,729742	4385,357561		12988E16c	STWO	47	7458,729742	3868,022645		209	E	E16c	12988E16c	STWO	43	42	-1	4	7,859.686	4,412.051	-1.55	2.1
6803,278689	3453,06897		13005M55h	EGWO	49	6803,278689	3036,38485		1	M	M55h	13005M55h	EGWO		49			6,277.225	3,567.125		
6226,605664	4166,299136		13021E38c	STWO	48	6226,605664	3226,558359		81	E	E38c	13021E38c	STWO	35	33	-2	13	6,277.225	3,989.588	-1.55	13.5
4347,342237	3734,04543		13048F78a	STWO	9	4347,342237	4227,472188		35	F	F78a	13048F78a	STWO	16	13	-3	-7	4,694.765	3,567.125	-3.65	-5.5
4045,894245	2705,112694		13048F78b	EGWO	35	4045,894245	2679,162328		19	F	F78b	13048F78b	EGWO	29	34	5	6	4,694.765	2,722.199	4.75	5.9
5346,044189	3481,773104		13056N63a	EGWO	39	5346,044189	3277,0772		24	N	N63a	13056N63a	EGWO	32	35	3	7	4,694.765	3,567.125	2.65	5.9
4894,234967	2782,036695		13064N68f	EGWO	43	4894,234967	2740,604002		19	N	N68f	13064N68f	EGWO	40	43	3	3	4,694.765	2,722.199	2.65	2.1
6618,593928	4289,185928		13099A00c	STWO	35	6618,593928	3909,540985		16	A	A00c	13099A00c	STWO	42	35	-7	-7	6,277.225	4,412.051	-7.85	-5.5
6257,71287	4119,785196		13102M32a	STWO	41	6257,71287	3621,373086		71	M	M32a	13102M32a	STWO	36	33	-3	5	6,277.225	3,989.588	-3.65	5.9
3940,103416	2767,772163		13110F83a	EGWO	26	3940,103416	2840,580486		27	F	F83a	13110F83a	EGWO	28	30	2	0	4,694.765	2,722.199	2.65	-1.7
5687,365143	2891,998472		13137K90d	EGWO	49	5687,365143	2573,68469		6	K	K90d	13137K90d	EGWO	48	49	1	1	6,277.225	2,722.199	0.55	2.1
3861,773916	3103,23217		13161N65c	EGWO	28	3861,773916	3178,114545		33	N	N65c	13161N65c	EGWO	25	28	3	3	3,112.304	3,144.662	2.65	2.1
7388,341844	3803,651927		13196A06a	EGWO	41	7388,341844	4292,339957		10	A	A06a	13196A06a	EGWO	47	48	1	-6	7,859.686	3,989.588	0.55	-5.5
7708,318862	4622,05291		13196A06a	STWO	41	7708,318862	4567,349976		270	A	A06a	13196A06a	STWO	43	40	-3	-2	7,859.686	4,412.051	-3.65	-1.7
6464,285714	3990,481952		13218A01b	EGWO	24	6464,285714	4851,8093		1	A	A01b	13218A01b	EGWO	38	43	5	-14	6,277.225	3,989.588	4.75	-13.1
7735,093391	4736,913536		13218A01b	STWO	29	7735,093391	5526,937421		12	A	A01b	13218A01b	STWO	41	37	-4	-12	7,859.686	4,834.514	-3.65	-13.1
8522,06007	3860,715471		13226K24a	EGWO	46	8522,06007	4108,191191		3	K	K24a	13226K24a	EGWO	49	49	0	-3	7,859.686	3,989.588	0.55	-1.7
7554,432214	4332,971021		13226K24a	STWO	49	7554,432214	3429,785193		207	K	K24a	13226K24a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7472,938331	4471,86284		13226K24d	STWO	48	7472,938331	3883,836531		79	K	K24d	13226K24d	STWO	43	40	-3	5	7,859.686	4,412.051	-3.65	5.9
6412,044696	3101,814976		13226K24e	EGWO	48	6412,044696	3044,1593		4	K	K24e	13226K24e	EGWO	49	49	0	-1	6,277.225	3,144.662	0.55	-1.7
7455,587691	4389,058207		13226K24e	STWO	49	7455,587691	3547,425374		534	K	K24e	13226K24e	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7316,483749	4315,402347		13234M27b	STWO	49	7316,483749	3346,366958		107	M	M27b	13234M27b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6206,853439	4203,658184		13242K52g	STWO	28	6206,853439	4444,491463		24	K	K52g	13242K52g	STWO	34	32	-2	-6	6,277.225	4,412.051	-1.55	-5.5
6886,790157	4266,616086		13242K52h	STWO	44	6886,790157	3873,67078		97	K	K52h	13242K52h	STWO	41	38	-3	3	6,277.225	4,412.051	-3.65	2.1
5900,027328	4300,313282		13250M57a	STWO	41	5900,027328	3504,081274		16	M	M57a	13250M57a	STWO	27	27	0	14	6,277.225	4,412.051	0.55	13.5
5709,799383	3682,882678		13269N62b	EGWO	37	5709,799383	3560,895624		24	N	N62b	13269N62b	EGWO	33	35	2	4	6,277.225	3,567.125	2.65	2.1
6826,210084	4168,753991		13285K26a	STWO	49	6826,210084	3299,353162		69	K	K26a	13285K26a	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
5615,611124	3932,050773		13293E37c	STWO	44	5615,611124	3029,223378		155	E	E37c	13293E37c	STWO	32	30	-2	12	6,277.225	3,989.588	-1.55	13.5
6858,276816	4337,179425		13358A01e	STWO	35	6900,451227	4491,522015		32	A	A01e	13358A01e	STWO	40	36	-4	-5	6,277.225	4,412.051	-3.65	-5.5
6369,623859	3171,925578		13366M27b	EGWO	49	6369,623859	3522,719567		3	M	M27b	13366M27b	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6872,513555	4102,329343		13366M27b	STWO	49	6872,513555	3022,03628		118	M	M27b	13366M27b	STWO	44	41	-3	5	6,277.225	3,989.588	-3.65	5.9
7003,041364	4053,143984		13374K52a	STWO	49	7003,041364	2973,801719		93	K	K52a	13374K52a	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
5651,383582	3966,411486		13382E37c	STWO	44	5651,383582	3060,639806		70	E	E37c	13382E37c	STWO	33	29	-4	11	6,277.225	3,989.588	-3.65	9.7
3807,681326	2618,771864		13390F83a	EGWO	30	3807,681326	2649,123919		31	F	F83a	13390F83a	EGWO	29	31	2	1	3,112.304	2,722.199	2.65	2.1
6727,416481	4184,0113		13404K54d	STWO	49	6727,416481	3348,770125		107	K	K54d	13404K54d	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
7814,710817	4661,127775		13412A00d	STWO	32	7814,710817	5449,184871		6	A	A00d	13412A00d	STWO	44	40	-4	-12	7,859.686	4,834.514	-3.65	-13.1
6194,960255	4090,126883		13420E38c	STWO	49	6194,960255	3143,151391		179	E	E38c	13420E38c	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
7197,607286	4418,394611		13447E14d	STWO	49	7197,607286	3586,962663		108	E	E14d	13447E14d	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7

7331,769998	4476,877175	[redacted]	13447E14e	STWO	49	7331,769998	3647,515155	[redacted]	100	E	E14e	13447E14e	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
7451,62728	3574,026554		13455A04h	EGWO	43	7451,62728	4155,424591		15	A	A04h	13455A04h	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7403,018309	4439,483649		13455A04h	STWO	40	7403,018309	4507,506456		95	A	A04h	13455A04h	STWO	42	41	-1	-2	7,859.686	4,412.051	-1.55	-1.7
6672,809069	4131,620045		13471K44b	STWO	49	6672,809069	3271,539844		134	K	K44b	13471K44b	STWO	37	38	1	12	6,277.225	3,989.588	0.55	13.5
6877,808053	4209,901627		13528A06i	STWO	44	6877,808053	3812,626071		77	A	A06i	13528A06i	STWO	43	39	-4	1	6,277.225	4,412.051	-3.65	2.1
4140,422244	3753,894945		13544N68c	STWO	6	4140,422244	4193,057893		153	N	N68c	13544N68c	STWO	10	9	-1	-4	4,694.765	3,567.125	-1.55	-5.5
5568,635103	2785,611693		13579K91c	EGWO	49	5568,635103	2431,051254		26	K	K91c	13579K91c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5693,661728	3035,186712		13595K90i	EGWO	49	5693,661728	2566,339061		7	K	K90i	13595K90i	EGWO	48	46	-2	1	6,277.225	3,144.662	-1.55	2.1
6110,194376	3788,57384		13595K90i	STWO	40	6110,194376	3684,359349		31	K	K90i	13595K90i	STWO	41	37	-4	-1	6,277.225	3,989.588	-3.65	-1.7
4460,858782	2772,560634		13609N68d	EGWO	40	4460,858782	2678,859258		31	N	N68d	13609N68d	EGWO	41	38	-3	-1	4,694.765	2,722.199	-3.65	-1.7
4950,282321	3612,705064		13617N65b	EGWO	31	4950,282321	3434,792867		34	N	N65b	13617N65b	EGWO	25	27	2	6	4,694.765	3,567.125	2.65	5.9
5090,540886	3996,913521		13625K91c	STWO	24	5090,540886	4286,206986		47	K	K91c	13625K91c	STWO	29	21	-8	-5	4,694.765	3,989.588	-7.85	-5.5
7504,755585	3529,357273		13633A05d	EGWO	49	7504,755585	3458,539		2	A	A05d	13633A05d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6844,655625	4315,822173		13633A05d	STWO	38	6844,655625	4261,604526		108	A	A05d	13633A05d	STWO	41	37	-4	-3	6,277.225	4,412.051	-3.65	-1.7
6523,91193	4194,296065		13676A09c	STWO	31	6523,91193	4384,206601		3	A	A09c	13676A09c	STWO	35	34	-1	-4	6,277.225	3,989.588	-1.55	-5.5
3090,724845	3140,313967		13684T94c	STWO	5	3090,724845	3174,323708		314	T	T94c	13684T94c	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
10610,67834	3883,994588		13730K49a	EGWO	49	10610,67834	2623,234045		14	K	K49a	13730K49a	EGWO	49	49	0	0	11,024.607	3,989.588	0.55	-1.7
6051,476088	4039,662209		13757E37c	STWO	44	6051,476088	3083,639666		79	E	E37c	13757E37c	STWO	35	33	-2	9	6,277.225	3,989.588	-1.55	9.7
5854,854739	2857,407623		13773K90d	EGWO	49	5854,854739	2431,698383		27	K	K90d	13773K90d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4826,686103	3289,674608		13811F76a	EGWO	32	4826,686103	3277,688592		24	F	F76a	13811F76a	EGWO	27	32	5	5	4,694.765	3,144.662	4.75	5.9
3678,39569	3103,144491		13846N69m	STWO	16	3678,39569	3090,394367		264	N	N69m	13846N69m	STWO	16	14	-2	0	3,112.304	3,144.662	-1.55	-1.7
4373,835087	3612,42425		13854F82d	STWO	23	4373,835087	3165,696113		76	F	F82d	13854F82d	STWO	20	19	-1	3	4,694.765	3,567.125	-1.55	2.1
7263,588321	4407,061145		13862M58b	STWO	47	4317,331629	3542,399091		71	M	M58b	13862M58b	STWO		36			7,859.686	4,412.051		
5703,937369	3433,284825		13870N66d	EGWO	33	5703,937369	3698,833295		35	N	N66d	13870N66d	EGWO	36	37	1	-3	6,277.225	3,567.125	0.55	-1.7
2810,96768	3034,049325		13889T93g	STWO	5	2810,96768	3034,88006		340	T	T93g	13889T93g	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6993,886008			13919A05b	EGWO	40	6993,886008	3124,4709		2	A	A05b	13919A05b	EGWO	46	47	1	-6	6,277.225		0.55	-5.5
7019,414722	4342,710222		13919A05b	STWO	40	7019,414722	3861,134778		78	A	A05b	13919A05b	STWO	42	38	-4	-2	6,277.225	4,412.051	-3.65	-1.7
5650,458415	3951,539496		13919A05c	STWO	39	5650,458415	3596,140185		122	A	A05c	13919A05c	STWO	39	33	-6	0	6,277.225	3,989.588	-5.75	-1.7
6906,15601	3760,581423		13935A05c	EGWO	37	6906,15601	4146,604597		6	A	A05c	13935A05c	EGWO	43	47	4	-6	6,277.225	3,567.125	4.75	-5.5
7377,055312	4476,184585		13935A05c	STWO	39	7377,055312	4517,438228		224	A	A05c	13935A05c	STWO	42	39	-3	-3	7,859.686	4,412.051	-3.65	-1.7
6679,882667	4036,176161		13943K44a	STWO	49	6679,882667	3096,106699		64	K	K44a	13943K44a	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
6742,976622	4078,383764		13943K44b	STWO	49	6742,976622	3116,737633		172	K	K44b	13943K44b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6697,129074	4144,447564		13943K44e	STWO	49	6697,129074	3295,249627		165	K	K44e	13943K44e	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
7517,647059	4195,469356		13951A05c	EGWO	38	7517,647059	4840,2961		1	A	A05c	13951A05c	EGWO	43	45	2	-5	7,859.686	3,989.588	2.65	-5.5
7193,297737	4378,039371		13951A05c	STWO	37	7193,297737	4586,099764		78	A	A05c	13951A05c	STWO	43	39	-4	-6	7,859.686	4,412.051	-3.65	-5.5
6697,975229	4405,452702		13951A05g	STWO	29	6697,975229	4794,793618		11	A	A05g	13951A05g	STWO	36	36	0	-7	6,277.225	4,412.051	0.55	-5.5
6039,887042	3768,088066		13978A05b	EGWO	40	6039,887042	3920,19225		2	A	A05b	13978A05b	EGWO	46	47	1	-6	6,277.225	3,567.125	0.55	-5.5
7723,381245	4601,544392		13978A05b	STWO	38	7723,381245	4809,972656		174	A	A05b	13978A05b	STWO	43	40	-3	-5	7,859.686	4,412.051	-3.65	-5.5
5964,987517	4045,222159		13994E14c	STWO	31	5964,987517	4057,536699		135	E	E14c	13994E14c	STWO	33	31	-2	-2	6,277.225	3,989.588	-1.55	-1.7
6916,23614	4234,230232		13994E14d	STWO	49	6916,23614	3342,275232		95	E	E14d	13994E14d	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
7383,65765	4398,042002		13994E14e	STWO	49	7383,65765	3578,461549		75	E	E14e	13994E14e	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
5963,590328	3879,160122		13994E15a	STWO	36	5963,590328	3844,599838		122	E	E15a	13994E15a	STWO	39	35	-4	-3	6,277.225	3,989.588	-3.65	-1.7
6186,77224	4065,105215		13994E15c	STWO	48	6186,77224	3302,233109		3	E	E15c	13994E15c	STWO	27	33	6	21	6,277.225	3,989.588	6.85	21.1
5946,693459	4103,444689		13994E36a	STWO	39	5946,693459	3603,008484		95	E	E36a	13994E36a	STWO	36	31	-5	3	6,277.225	3,989.588	-5.75	2.1
5784,861273	4153,977148		13994E37a	STWO	28	5784,861273	4485,856028		83	E	E37a	13994E37a	STWO	30	28	-2	-2	6,277.225	3,989.588	-1.55	-1.7
5955,456396	3985,577249		13994E37f	STWO	49	5955,456396	3053,208508		103	E	E37f	13994E37f	STWO	36	33	-3	13	6,277.225	3,989.588	-3.65	13.5
5135,542394	3349,597957		13994F79a	EGWO		5135,542394	3340,535969		4	F	F79a	13994F79a	EGWO					4,694.765	3,144.662		
10872,59935	3866,597055		14001K47e	EGWO	49	10872,59935	2472,505927		24	K	K47e	14001K47e	EGWO		49			11,024.607	3,989.588		
8018,768228	4281,114083		14001K47e	STWO	49	8018,768228	2813,086618		16	K	K47e	14001K47e	STWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
5928,646639	3756,809391		14028N60a	STWO	42	5928,646639	2923,997661		6	N	N60a	14028N60a	STWO	32	32	0	10	6,277.225	3,567.125	0.55	9.7
5818,852122	3995,273058		14036N60a	STWO	41	5818,852122	3366,414197		13	N	N60a	14036N60a	STWO	31	30	-1	10	6,277.225	3,989.588	-1.55	9.7
5078,909776	3579,729541		14060M31c	STWO	35	5078,909776	3261,36171		9	M	M31c	14060M31c	STWO	31	29	-2	4	4,694.765	3,567.125	-1.55	2.1
5287,177976	3837,583094		14079N67a	EGWO	39	5287,177976	3224,51735		8	N	N67a	14079N67a	EGWO	34	37	3	5	4,694.765	3,144.662	2.65	5.9
7991,760917	4790,321653		14087A03e	STWO	40	7991,760917	5208,732542		5	A	A03e	14087A03e	STWO	43	40	-3	-3	7,859.686	4,834.514	-3.65	-1.7
7286,604951	4615,309172		14087A03f	STWO	33	7286,604951	4890,539144		9	A	A03f	14087A03f	STWO	40	37	-3	-7	7,859.686	4,412.051	-3.65	-5.5
4364,832109	3544,14044		14117N72a	STWO	38	4364,832109	3107,446397		17	N	N72a	14117N72a	STWO	19	19	0	19	4,694.765	3,567.125	0.55	17.3
7373,365801	4533,791838		14133A01h	STWO	33	7373,365801	4861,075601		18	A	A01h	14133A01h	STWO	41	37	-4	-8	7,859.686	4,412.051	-3.65	-9.3
9767,82578	3584,494103		14141K49b	EGWO	49	9767,82578	2387,681057		7	K	K49b	14141K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7296,753937	3975,194305		14141K49b	STWO	49	7296,753937	2562,670156		6	K	K49b	14141K49b	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
4606,995199	4233,353131		14206E12a	STWO	49	4606,995199	3758,36522		394	E	E12a	14206E12a	STWO	41	41	0	8	4,694.765	4,412.051	0.55	9.7
6542,341116	4197,381583		14214A01c	STWO	37	6542,341116	4165,117163		19	A	A01c	14214A01c	STWO	40	36	-4	-3	6,277.225	3,989.588	-3.65	-1.7
7369,195542	2925,881515		14222K52a	EGWO	49	7369,195542	2567,739649		40	K	K52a	14222K52a	EGWO	49	49	0	0	7,859.686	2,722.199	0.55	-1.7
6841,095337	3960,424624		14222K52a	STWO	49	6841,095337	2795,612074		22	K	K52a	14222K52a	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
11034,28681	3761,331239		14249K47g	EGWO	49	11034,28681	2731,054665		6	K	K47g	14249K47g	EGWO					11,024.607	3,567.125		
7259,412102	4029,998903		14249K47g	STWO	49	7259,412102	2662,399469		148	K	K47g	14249K47g	STWO	45	44	-1	4	7,859.686	3,989.588	-1.55	2.1
5357,279306	3529,560091		14273M32a	STWO	32	5357,279306	4606,505938		10	M	M32a	14273M32a	STWO	34	32	-2	-2	4,694.765	3,567.125	-1.55	-1.7
5225,927366	3011,797797		14281F76a	EGWO	38	5225,927366	3187,569799		33	F	F76a	14281F76a	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
5743,602477	4300,656904		14281F76a	STWO	15	5743,602477	3803,725496		123	F	F76a	14281F76a	STWO	9	10	1	6	6,277.225	4,412.051	0.55	5.9
4651,62037	2823,506514		14303F86a	EGWO	40	4651,62037	2777,611292		18	F	F86a	14303F86a	EGWO	38	39	1	2	4,694.765	2,722.199	0.55	2.1
4791,666667			14303F86a	STWO	26	4791,666667			1	F	F86a	14303F86a	STWO	19	20	1	7	4,694.765		0.55	5.9
8237,026734	4820,140734		14311K90c	EGWO	49	8237,026734	3854,02505		7	K	K90c	14311K90c	EGWO	48	48	0	1	7,859.686	4,834.514	0.55	2.1
9760,416667	4494,208232		14338A02c	EGWO	49	9760,416667	4940,666107		2	A	A02c	14338A02c	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
7303,466637	4469,33185		14338A02c	STWO	41	7300,82066	4659,442512		58	A	A02c	14338A02c	STWO	44	39	-5	-3	7,859.686	4,412.051	-5.75	-1.7
7099,387887	4289,040742		14362E18b	STWO	49	7099,387887	3406,503272		113	E	E18b	14362E18b	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9
4433,164106	3402,967183		14486K45b	STWO	46	4433,164106	2617,476586		7	K	K45b	14486K45b	STWO	36	34	-2	10	4,694.765	3,567.125	-1.55	9.7
5203,052859	3624,641682		14494K91b	STWO	32	5203,052859	3511,059225		111	K	K91b	14494K91b	STWO	32	27	-5	0	4,694.765	3,567.125	-5.75	-1.7
4777,605104	3765,67716		14508N61b	STWO	35	4777,605104	3074,085377		10	N	N61b	14508N61b	STWO	24	20	-4	11	4,694.765	3,567.125	-3.65	9.7
5569,111437	3466,078045		14516N60b	EGWO	39	5569,111437	3388,425442		20	N	N60b	14516N60b	EGWO	35	38	3	4	6,277.225	3,567.125	2.65	2.1
7362,189298	3854,856624		14524A06g	EGWO	45	7362,189298	4371,404265		9	A	A06g	14524A06g	EGWO	48	48	0	-3	7,859.686	3,989.588	0.55	-1.7
7574,743997	4571,783411		14524A06g	STWO	42	7574,743997	4417,802511		55	A	A06g	14524A06g	STWO	43	40	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7038,05229	4202,434759		14559K48f	STWO	49	7038,05229	3320,692175		120	K	K48f	14559K48f	STWO	44	40	-4	5	6,277.225	4,412.051	-3.65	5.9
6701,89615	4179,636377		14567K44b	STWO	49	6701,89615	3335,275125		87	K	K44b	14567K44b	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
6760,049579	4220,280677		14567K44c	STWO	49	6760,049579	3382,818942		85	K	K44c	14567K44c	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
6371,753025	4209,131985		14575E38c	STWO	49	6371,753025	3261,971745		88	E	E38c	14575E38c	STWO	36	34	-2	13	6,277.225	4,412.051	-1.55	13.5
4961,137993	2710,420098		14583F77f	EGWO	38	4961,137993	2482,095462		26	F	F77f	14583F77f	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
4303,030303	3319,957299		14583F77f	STWO	17	4303,030303	2320,055189		1	F	F77f	14583F77f	STWO	14	14	0	3	4,694.765	3,144.662	0.55	2.1
3778,425946	2737,651293		14591F81e	EGWO	25	3778,425946	2842,222129		21	F	F81e	14591F81e	EGWO	27	27	0	-2	3,112.304	2,722.199	0.55	-1.7
5447,289576	4039,346051		14605N60b	STWO	36	5447,289576	3465,749054		24	N	N60b	14605N60b	STWO	31	26	-5	5	4,694.765	3,989.588	-5.75	5.9
6289,332541	4172,216188		14621A01h	STWO	38	6289,332541	4012,603991		8	A	A01h	14621A01h	STWO	41	36	-5	-3	6,277.225	3,989.588	-5.75	-1.7
4319,148035	2788,807882		14648N60a	EGWO	39	4319,148035	2550,612817		3	N	N60a	14648N60a	EGWO	32	34	2	7	4,694.765	2,722.199	2.65	5.9
5795,454545	3434,003661		14656A00a	STWO	32	5795,454545	4375,1843		1	A	A00a	14656A00a	EGWO	43	45	2	-11	6,277.225	3,567.125	2.65	-9.3
6607,737334	4174,271301		14656A00a	STWO	35	6607,737334	3954,74848		43	A	A00a	14656A00a	STWO	39	35	-4	-4	6,277.225	3,989.588	-3.65	-5.5
7050,33431	4015,714056		14664K47e	STWO	49	7050,33431	2547,584036		18	K	K47e	14664K47e	STWO	49	43	-6	0	6,277.225	3,989.588	-5.75	-1.7
7212,554025	4715,628496		14672A01f	STWO	36	7212,554025	5419,743637		4	A	A01f	14672A01f	STWO	43	39	-4	-7	7,859.686	4,834.514	-3.65	-5.5
7216,666667	4495,944937		14680A01b	EGWO	24	7216,666667			1	A	A01b	14680A01b	EGWO	38	43	5	-14	7,859.686	4,412.051	4.75	-13.1
7199,612044	4641,394779		14680A01b	STWO	30	7199,612044	5077,229494		15	A	A01b	14680A01b	STWO	39	35	-4	-9	7,859.686	4,834.514	-3.65	-9.3
4183,098592	3487,301049		14710K44f	STWO		4183,098592	3065,9942		1	K	K44f	14710K44f	STWO					4,694.765	3,567.125		
4741,697162	2819,242831		14729N60c	EGWO	38	4741,697162	2745,608314		12	N	N60c	14729N60c	EGWO	38	36	-2	0	4,694.765	2,722.199	-1.55	-1.7
4691,541233	3634,907558		14729N60c	STWO	35	4691,541233	3000,183366		32	N	N60c	14729N60c	STWO	21	21	0	14	4,694.765	3,567.125	0.55	13.5
4819,436466	3553,446602		14737K90c	STWO	31	4819,436466	3266,881138		21	K	K90c	14737K90c	STWO	32	26	-6	-1	4,694.765	3,567.125	-5.75	-1.7
7535,433071	3573,666655		14745M56c	EGWO	49	7535,433071	3402,234006		1	M	M56c	14745M56c	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6183,241719	4040,709818		14745M56c	STWO	40	6183,241719	3941,824385		125	M	M56c	14745M56c	STWO	34	34	0	6	6,277.225	3,989.588	0.55	5.9
6369,184681	4259,339331		14788E13c	STWO	40	6199,922778	3969,49071		71	E	E13c	14788E13c	STWO	38	34	-4	2	6,277.225	4,412.051	-3.65	2.1
7279,070105	4432,321031		14788E13f	STWO	48	7279,070105	3807,840463		79	E	E13f	14788E13f	STWO	42	39	-3	6	7,859.686	4,412.051	-3.65	5.9
6543,18832	3217,577197		14818K24a	EGWO	45	6543,18832	3594,90305		9	K	K24a	14818K24a	EGWO	49	49	0	-4	6,277.225	3,144.662	0.55	-5.5
7261,484098	4202,629709		14818K24a	STWO	49	7261,484098	3032,01887		43	K	K24a	14818K24a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
6491,248882	3081,083798		14826K24a	EGWO	46	6491,248882	3614,769477		4	K	K24a	14826K24a	EGWO	49	49	0	-3	6,277.225	3,144.662	0.55	-1.7
7293,667285	4183,304169		14826K24a	STWO	49	7293,667285	3389,158101		166	K	K24a	14826K24a	STWO	45	42	-3	4	7,859.686	3,989.588	-3.65	2.1
4785,907254	2848,330728		14834F85b	EGWO	41	4785,907254	2781,760224		40	F	F85b	14834F85b	EGWO	39	40	1	2	4,694.765	2,722.199	0.55	2.1
4219,595461	3661,818396		14834F85b	STWO	15	4219,595461	3594,279147		75	F	F85b	14834F85b	STWO	15	13	-2	0	4,694.765	3,567.125	-1.55	-1.7
4089,991926	3675,589598		14834F85c	STWO	9	4089,991926	3837,17387		77	F	F85c	14834F85c	STWO	11	10	-1	-2	4,694.765	3,567.125	-1.55	-1.7
8361,703555			14842B10d	EGWO		8361,703555			2	B	B10d	14842B10d	EGWO					7,859.686			
4299,4452	2959,770289		14850F78b	EGWO	28	4299,4452	3072,412476		26	F	F78b	14850F78b	EGWO	26	31	5	2	4,694.765	3,144.662	4.75	2.1
4521,677855	3848,991123		14869F89b	STWO	14	4521,677855	4132,829415		62	F	F89b	14869F89b	STWO	14	15	1	0	4,694.765	3,989.588	0.55	-1.7
4459,240473	2752,917429		14877F76a	EGWO	38	4459,240473	2738,795281		21	F	F76a	14877F76a	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1

8255,093485	4379,594032	[redacted]	14885K46b	STWO	49	8255,093485	3143,028015	[redacted]	56	K	K46b	14885K46b	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
4005,350264	3481,508195		14907F85b	STWO	19	4005,350264	3081,233515		55	F	F85b	14907F85b	STWO	14	13	-1	5	4,694.765	3,567.125	-1.55	5.9
4332,211952	2834,033611		14915F76a	EGWO	37	4332,211952	2726,499169		7	F	F76a	14915F76a	EGWO	30	35	5	7	4,694.765	2,722.199	4.75	5.9
3865,471872	3259,915911		14923F86a	STWO	21	3865,471872	3098,720909		22	F	F86a	14923F86a	STWO	18	16	-2	3	3,112.304	3,144.662	-1.55	2.1
4849,181329	3263,111589		14931F76a	EGWO	36	4849,181329	3481,15		3	F	F76a	14931F76a	EGWO	31	36	5	5	4,694.765	3,144.662	4.75	5.9
4720,820469	3479,578599		14958K91c	STWO	27	4720,820469	3245,055667		26	K	K91c	14958K91c	STWO	31	22	-9	-4	4,694.765	3,567.125	-9.95	-5.5
4451,218638	2590,753084		14982F89c	EGWO	48	4451,218638	2320,591639		9	F	F89c	14982F89c	EGWO	41	42	1	7	4,694.765	2,722.199	0.55	5.9
5042,952296	3617,564067		14982F89c	STWO	28	5042,952296	3633,800628		23	F	F89c	14982F89c	STWO	31	28	-3	-3	4,694.765	3,567.125	-3.65	-1.7
5822,181641	2729,903909		14990A08d	EGWO	42	5822,181641	3568,235925		5	A	A08d	14990A08d	EGWO	49	49	0	-7	6,277.225	2,722.199	0.55	-5.5
6974,571034	4254,407308		14990A08d	STWO	43	6974,571034	3988,340028		77	A	A08d	14990A08d	STWO	42	40	-2	1	6,277.225	4,412.051	-1.55	2.1
5757,560099	3774,372996		15016K59a	STWO	34	5757,560099	3778,8837		27	K	K59a	15016K59a	STWO	38	34	-4	-4	6,277.225	3,567.125	-3.65	-5.5
7155,016622	4203,8387		15032K25b	STWO	49	7155,016622	3572,074463		47	K	K25b	15032K25b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
6761,483299	4141,46257		15032K26b	STWO	49	6761,483299	3309,757667		43	K	K26b	15032K26b	STWO	44	39	-5	5	6,277.225	3,989.588	-5.75	5.9
6778,418352	4208,725296		15032K26c	STWO	49	6778,418352	3440,132093		38	K	K26c	15032K26c	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
7566,321317	4345,772936		15040K25b	STWO	49	7566,321317	3440,892294		33	K	K25b	15040K25b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
9813,675155	3749,335441		15059K59a	EGWO	49	9834,481589	2669,386256		56	K	K59a	15059K59a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
6996,929765	4287,715079		15075K26b	STWO	49	6996,929765	3479,170811		42	K	K26b	15075K26b	STWO	43	39	-4	6	6,277.225	4,412.051	-3.65	5.9
7113,078611	4306,969122		15083K26b	STWO	49	7113,078611	3518,136262		43	K	K26b	15083K26b	STWO	43	39	-4	6	7,859.686	4,412.051	-3.65	5.9
6950,954099	3991,061722		15113N62b	EGWO	45	6950,954099	3807,653912		31	N	N62b	15113N62b	EGWO	40	42	2	5	6,277.225	3,989.588	2.65	5.9
7299,342906	4230,57182		15148K48b	STWO	49	7299,342906	3446,224309		30	K	K48b	15148K48b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
6996,329328	4273,673111		15148K48c	STWO	49	6996,329328	3450,187947		75	K	K48c	15148K48c	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9
4462,325798	2613,274158		15172F77f	EGWO	38	4462,325798	2352,739103		12	F	F77f	15172F77f	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
7959,216521	3772,99022		15180A02a	EGWO	49	7959,216521	3781,54105		25	A	A02a	15180A02a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8014,840334	4564,440866		15180A02a	STWO	46	8014,840334	4363,921854		193	A	A02a	15180A02a	STWO	49	44	-5	-3	7,859.686	4,412.051	-5.75	-1.7
7434,435466	3450,298485		15180A02b	EGWO	49	7434,435466	3670,917191		15	A	A02b	15180A02b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8095,794142	4546,306837		15180A02b	STWO	47	8095,794142	4286,630418		241	A	A02b	15180A02b	STWO	49	44	-5	-2	7,859.686	4,412.051	-5.75	-1.7
8788,292091	3802,202911		15180A02c	EGWO	49	8788,292091	3993,823637		38	A	A02c	15180A02c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7890,640883	4468,803713		15180A02c	STWO	48	7890,640883	4148,735534		204	A	A02c	15180A02c	STWO	49	44	-5	-1	7,859.686	4,412.051	-5.75	-1.7
8771,373919	4223,762883		15180A02d	EGWO	49	8771,373919	3952,598666		4	A	A02d	15180A02d	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
8290,580096	4664,15432		15180A02d	STWO	47	8290,580096	4416,00414		32	A	A02d	15180A02d	STWO	49	45	-4	-2	7,859.686	4,834.514	-3.65	-1.7
7827,744905	4304,14163		15180A03a	STWO	46	7827,744905	3482,424633		2	A	A03a	15180A03a	STWO	46	42	-4	0	7,859.686	4,412.051	-3.65	-1.7
7972,727273			15180A03b	EGWO		7972,727273	3389,6523		1	A	A03b	15180A03b	EGWO					7,859.686			
8438,035683	4557,661673		15180A03b	STWO	49	8438,035683	4027,618057		35	A	A03b	15180A03b	STWO	48	47	-1	1	7,859.686	4,412.051	-1.55	2.1
7740,717639			15180A03c	EGWO	49	7740,717639	3198,2422		2	A	A03c	15180A03c	EGWO	49	49	0	0	7,859.686		0.55	-1.7
8654,822265	4569,99537		15180A03c	STWO	49	8654,822265	3950,565017		33	A	A03c	15180A03c	STWO	49	47	-2	0	9,442.146	4,412.051	-1.55	-1.7
8835,318025			15180A03d	EGWO	49	8835,318025	3496,180204		2	A	A03d	15180A03d	EGWO					9,442.146			
7848,360507	4647,789068		15180A03d	STWO	48	7848,360507	4111,225759		37	A	A03d	15180A03d	STWO	48	47	-1	0	7,859.686	4,834.514	-1.55	-1.7
7753,067409	3535,351891		15180A03e	EGWO		7753,067409	3453,9687		3	A	A03e	15180A03e	EGWO					7,859.686	3,567.125		
8405,910671	4634,434151		15180A03e	STWO	48	8405,910671	4423,180897		36	A	A03e	15180A03e	STWO	47	45	-2	1	7,859.686	4,834.514	-1.55	2.1
8067,998212	4194,689331		15180A03g	EGWO	49	8067,998212	3541,650667		6	A	A03g	15180A03g	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7610,765061	4512,909531		15180A03g	STWO	39	7610,765061	4617,969063		78	A	A03g	15180A03g	STWO	46	41	-5	-7	7,859.686	4,412.051	-5.75	-5.5
7145,9157	3558,457024		15199A05b	EGWO	40	7145,9157	3768,001465		5	A	A05b	15199A05b	EGWO	46	47	1	-6	7,859.686	3,567.125	0.55	-5.5
7458,549717	4334,623271		15199A05b	STWO	45	7458,549717	4088,508363		33	A	A05b	15199A05b	STWO	43	42	-1	2	7,859.686	4,412.051	-1.55	2.1
7539,370079			15202A02a	EGWO	49	7539,370079			1	A	A02a	15202A02a	EGWO	49	49	0	0	7,859.686		0.55	-1.7
7797,692368	4583,64542		15202A02a	STWO	41	7797,692368	4719,210753		31	A	A02a	15202A02a	STWO	46	41	-5	-5	7,859.686	4,412.051	-5.75	-5.5
7916,129032	3719,99368		15202A02b	EGWO	49	7916,129032	4172,805		1	A	A02b	15202A02b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7429,183736	4525,130802		15202A02b	STWO	43	7429,183736	4649,191971		20	A	A02b	15202A02b	STWO	45	40	-5	-2	7,859.686	4,412.051	-5.75	-1.7
5271,317715	3610,102789		15210K90a	STWO	33	5271,317715	3524,690836		63	K	K90a	15210K90a	STWO	32	28	-4	1	4,694.765	3,567.125	-3.65	2.1
4191,455676	2898,694918		15245F77a	EGWO	30	4191,455676	2953,45405		6	F	F77a	15245F77a	EGWO	27	31	4	3	4,694.765	2,722.199	4.75	2.1
11033,85022	3838,491529		15253K49a	EGWO	49	11033,85022	2596,492401		15	K	K49a	15253K49a	EGWO	49	49	0	0	11,024.607	3,989.588	0.55	-1.7
11679,42484	4305,472778		15261K49a	EGWO	49	11679,42484	3000,29855		20	K	K49a	15261K49a	EGWO		49			11,024.607	4,412.051		
4325,237996	2968,784137		15288F77a	EGWO	30	4325,237996	3046,348926		15	F	F77a	15288F77a	EGWO	25	31	6	5	4,694.765	3,144.662	6.85	5.9
5058,915305	3882,099621		15318F76b	STWO	7	5058,915305	4884,677201		56	F	F76b	15318F76b	STWO	12	13	1	-5	4,694.765	3,989.588	0.55	-5.5
6475,447131	3847,276735		15369M56b	STWO	49	6475,447131	2657,066699		25	M	M56b	15369M56b	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
3323,992016	3356,272858		15377F82c	STWO	10	3323,992016	3879,431551		32	F	F82c	15377F82c	STWO	6	5	-1	4	3,112.304	3,567.125	-1.55	2.1
5450,981598	4074,4035		15385E37c	STWO	34	5450,981598	4438,165748		172	E	E37c	15385E37c	STWO	26	24	-2	8	4,694.765	3,989.588	-1.55	9.7
6754,807692	3947,642318		15393M30b	STWO	49	6754,807692	2900,694999		4	M	M30b	15393M30b	STWO	40	42	2	9	6,277.225	3,989.588	2.65	9.7
3827,126212	3578,236366		15415N69k	STWO	16	3827,126212	3190,119707		237	N	N69k	15415N69k	STWO	18	17	-1	-2	3,112.304	3,567.125	-1.55	-1.7
4055,012976	3311,924713		15423N69k	STWO	20	4055,012976	3227,463287		257	N	N69k	15423N69k	STWO	19	18	-1	1	4,694.765	3,144.662	-1.55	2.1
4067,962601	3325,145424		15431N69k	STWO	20	4067,962601	3263,180974		142	N	N69k	15431N69k	STWO	19	18	-1	1	4,694.765	3,144.662	-1.55	2.1
7071,56563	4178,412317		15466K44b	STWO	49	7071,56563	3255,617749		121	K	K44b	15466K44b	STWO	42	41	-1	7	7,859.686	3,989.588	-1.55	5.9
5457,304276	2750,140857		15474K91c	EGWO	49	5457,304276	2378,093008		27	K	K91c	15474K91c	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
4272,539796	2626,221343		15482N68e	EGWO	38	4272,539796	2625,969375		16	N	N68e	15482N68e	EGWO	35	37	2	3	4,694.765	2,722.199	2.65	2.1
4141,472358	2604,669728		15490N68e	EGWO	40	4141,472358	2494,812679		56	N	N68e	15490N68e	EGWO	36	37	1	4	4,694.765	2,722.199	0.55	2.1
3835,012727	3322,460556		15490N68e	STWO	11	3835,012727	3423,980363		232	N	N68e	15490N68e	STWO	9	7	-2	2	3,112.304	3,144.662	-1.55	2.1
4561,44454	2646,626332		15490N68f	EGWO	46	4561,44454	2459,416313		18	N	N68f	15490N68f	EGWO	39	42	3	7	4,694.765	2,722.199	2.65	5.9
3481,436497	3450,25132		15490N68f	STWO	5	3481,436497	3650,483333		6	N	N68f	15490N68f	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
7276,138529	4041,1762		15512K47a	STWO	49	7276,138529	2710,197169		24	K	K47a	15512K47a	STWO	47	44	-3	2	7,859.686	3,989.588	-3.65	2.1
7786,15284	4155,919987		15512K47g	STWO	49	7786,15284	2786,510361		88	K	K47g	15512K47g	STWO	47	47	0	2	7,859.686	3,989.588	0.55	2.1
7587,714097	4362,484666		15512K47j	STWO	49	7587,714097	3267,589356		102	K	K47j	15512K47j	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
8819,26161	4777,910233		15520K47b	STWO	49	8819,26161	3640,563998		9	K	K47b	15520K47b	STWO		45			9,442.146	4,834.514		
6778,151673			15539F87b	EGWO		6778,151673			16	F	F87b	15539F87b	EGWO					6,277.225			
4109,52381	2703,104656		15555F81a	EGWO	28	4109,52381	3490,77		1	F	F81a	15555F81a	EGWO	28	31	3	0	4,694.765	2,722.199	2.65	-1.7
3901,522513	3370,951261		15555F81c	EGWO	13	3901,522513	3375,898242		52	F	F81c	15555F81c	EGWO	16	14	-2	-3	3,112.304	3,567.125	-1.55	-1.7
4752,282571	3086,214829		15555F81d	EGWO	29	4752,282571	3369,646404		23	F	F81d	15555F81d	EGWO	32	35	3	-3	4,694.765	3,144.662	2.65	-1.7
3560,747664	3178,639926		15555F81d	STWO	9	3560,747664	2322,75		1	F	F81d	15555F81d	STWO	10	10	0	-1	3,112.304	3,144.662	0.55	-1.7
5054,805432	3818,075827		15555F81e	EGWO	23	5054,805432	3884,918589		12	F	F81e	15555F81e	EGWO	30	34	4	-7	4,694.765	3,144.662	4.75	-5.5
4586,169068	2731,889402		15563F81c	EGWO	38	4586,169068	2466,270222		24	F	F81c	15563F81c	EGWO	34	40	6	4	4,694.765	2,722.199	6.85	2.1
4379,977088	3614,783376		15563F81c	STWO	13	4379,977088	3813,682315		14	F	F81c	15563F81c	STWO	9	17	8	4	4,694.765	3,567.125	8.95	2.1
5470,302688	3616,101105		15571N63a	EGWO	38	5470,302688	3391,909694		21	N	N63a	15571N63a	EGWO	31	34	3	7	4,694.765	3,567.125	2.65	5.9
5377,628552	3483,028831		15598N63a	EGWO	39	5377,628552	3255,808462		40	N	N63a	15598N63a	EGWO	34	35	1	5	4,694.765	3,567.125	0.55	5.9
4487,791913	3609,522055		15598N63a	STWO	35	4487,791913	2905,803897		64	N	N63a	15598N63a	STWO	20	20	0	15	4,694.765	3,567.125	0.55	13.5
3727,051984	3696,267853		15601F83a	STWO	10	3727,051984	3257,291667		24	F	F83a	15601F83a	STWO	7	5	-2	3	3,112.304	3,567.125	-1.55	2.1
6945,394685	4164,551542		15628K54b	STWO	49	6945,394685	3318,367114		124	K	K54b	15628K54b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
3130,527802	3067,946894		15636T93g	STWO	5	3130,527802	3114,617433		144	T	T93g	15636T93g	STWO	6	5	-1	-1	3,112.304	3,144.662	-1.55	-1.7
6892,254959	4153,147349		15644M30a	STWO	38	6892,254959	4021,174651		112	M	M30a	15644M30a	STWO	34	34	0	4	6,277.225	3,989.588	0.55	2.1
6859,36221	3134,161116		15652E37c	EGWO	49	6859,36221	2529,231771		40	E	E37c	15652E37c	EGWO		49			6,277.225	3,144.662		
5352,11196	3916,903855		15652E37c	STWO	34	5352,11196	3696,970396		66	E	E37c	15652E37c	STWO	29	26	-3	5	4,694.765	3,989.588	-3.65	5.9
2908,029309	3065,712562		15709T93g	STWO	5	2908,029309	3077,020758		284	T	T93g	15709T93g	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6484,51264	3054,90818		15717M56a	EGWO	49	6484,51264	3258,372482		12	M	M56a	15717M56a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6495,418037	3955,045963		15717M56a	STWO	49	6495,418037	2833,485183		123	M	M56a	15717M56a	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
6399,331198	3046,544139		15717M56b	EGWO	49	6399,331198	3235,981676		11	M	M56b	15717M56b	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6394,92885	3885,19116		15717M56b	STWO	49	6394,92885	2678,247042		77	M	M56b	15717M56b	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
11421,2488	3848,345585		15725K49f	EGWO	49	11421,2488	2629,10184		26	K	K49f	15725K49f	EGWO	49	49	0	0	11,024.607	3,989.588	0.55	-1.7
7349,110519	4051,667856		15725K49f	STWO	49	7349,110519	2593,825095		30	K	K49f	15725K49f	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
6190,209945	3917,63589		15741K53b	STWO	49	6190,209945	3040,615142		65	K	K53b	15741K53b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
5477,612927	2804,8027		15776K91c	EGWO	49	5477,612927	2454,11074		27	K	K91c	15776K91c	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
7970,779289	4305,382082		15806K47f	STWO	49	7970,779289	3166,282053		71	K	K47f	15806K47f	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6444,17309	4193,184007		15814E38d	STWO	49	6444,17309	3274,232792		33	E	E38d	15814E38d	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
5179,54242	3968,256376		15857F87c	STWO	29	5179,54242	4191,955592		64	F	F87c	15857F87c	STWO	27	25	-2	2	4,694.765	3,989.588	-1.55	2.1
8061,262154	4228,581043		15865K47a	STWO	49	8061,262154	2719,724488		29	K	K47a	15865K47a	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
10209,18018			15865K47b	EGWO	49	10209,18018	3145,2079		3	K	K47b	15865K47b	EGWO					9,442.146			
7970,823656	4318,515714		15865K47b	STWO	49	7970,823656	3087,533143		9	K	K47b	15865K47b	STWO		46			7,859.686	4,412.051		
6403,033348	3988,480512		15873K44b	STWO	49	6403,033348	3066,540551		15	K	K44b	15873K44b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6919,23516	4280,756172		15873K44c	STWO	49	6919,23516	3437,141952		33	K	K44c	15873K44c	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
5984,024646	3860,613434		15873K44d	STWO	49	5984,024646	2956,092032		19	K	K44d	15873K44d	STWO	40	35	-5	9	6,277.225	3,989.588	-5.75	9.7
7265,602019	4391,41888		15873K44e	STWO	49	7265,602019	3545,986176		15	K	K44e	15873K44e	STWO	41	40	-1	8	7,859.686	4,412.051	-1.55	9.7
6986,126094	4251,513798		15881K44e	STWO	49	6986,126094	3480,294428		41	K	K44e	15881K44e	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
5490,681927	3663,765132		15903E38c	STWO	41	5490,681927	3252,702166		112	E	E38c	15903E38c	STWO	36	33	-3	5	6,277.225	3,567.125	-3.65	5.9
6119,603112	4043,153795		15903E38d	STWO	49	6119,603112	3084,853954		293	E	E38d	15903E38d	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
5560,914553	3854,820225		15903E39a	STWO	37	5560,914553	3487,453389		80	E	E39a	15903E39a	STWO	24	22	-2	13	6,277.225	3,989.588	-1.55	13.5
6047,050054	4048,242903		15903E41b	STWO	48	6047,050054	3118,69783		148	E	E41b	15903E41b	STWO	36	33	-3	12	6,277.225	3,989.588	-3.65	13.5
6013,548779	4031,854026		15903E41c	STWO	48	6013,548779	3105,237438		171	E	E41c	15903E41c	STWO	37	33	-4	11	6,277.225	3,989.588	-3.65	9.7
5813,835336	4187,336864		15903E42a	STWO	39	5813,835336	4488,077601		124	E	E42a	15903E42a	STWO	32	30	-2	7	6,277.225	3,989.588	-1.55	5.9
6080,638967	4037,216216	[redacted]	15903E42b	STWO	45	6080,638967	3317,312883	[redacted]	196	E	E42b	15903E42b	STWO	35	33	-2	10	6,277.225	3,989.588	-1.55	9.7

6373,849381	4126,438309	[redacted]	15903E42c	STWO	47	6373,849381	3384,906189	[redacted]	124	E	E42c	15903E42c	STWO	36	35	-1	11	6,277.225	3,989.588	-1.55	9.7
6419,257091	4136,556311		15903E42d	STWO	47	6419,257091	3388,384821		110	E	E42d	15903E42d	STWO	37	35	-2	10	6,277.225	3,989.588	-1.55	9.7
6507,622321	2835,210237		15903E43a	EGWO	49	6507,622321	2403,956992		18	E	E43a	15903E43a	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6344,746461	4016,063497		15903E43a	STWO	49	6344,746461	2998,375999		127	E	E43a	15903E43a	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
6803,720937	3013,125832		15903E43b	EGWO	49	6803,720937	2523,172127		6	E	E43b	15903E43b	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6758,98772	4111,703134		15903E43b	STWO	49	6758,98772	3194,87013		137	E	E43b	15903E43b	STWO	39	39	0	10	6,277.225	3,989.588	0.55	9.7
3411,659222	2442,396026		15954F83a	STWO	29	3411,659222	2403,235532		39	F	F83a	15954F83a	EGWO	26	28	2	3	3,112.304	2,299.736	2.65	2.1
3089,664144	3079,553096		15962T93g	STWO	5	3089,664144	3145,59227		145	T	T93g	15962T93g	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
5441,17368	3072,881533		15989A09i	EGWO	41	5744,516851	4299,583516		4	A	A09i	15989A09i	EGWO		46			4,694.765	3,144.662		
6635,586648	4233,403294		15989A09i	STWO	37	6670,662415	4229,115317		324	A	A09i	15989A09i	STWO	39	36	-3	-2	6,277.225	4,412.051	-3.65	-1.7
4542,791005	3243,829062		15997N62a	EGWO	32	4542,791005	3183,490199		12	N	N62a	15997N62a	EGWO	29	30	1	3	4,694.765	3,144.662	0.55	2.1
4629,266681	3227,08588		16047N62a	EGWO	32	4629,266681	3129,534775		44	N	N62a	16047N62a	EGWO	30	30	0	2	4,694.765	3,144.662	0.55	2.1
4971,321722	3175,60313		16071N60b	EGWO	43	4971,321722	3033,022352		4	N	N60b	16071N60b	EGWO	38	41	3	5	4,694.765	3,144.662	2.65	5.9
5025	4083,105108		16071N60b	STWO	39	5025	3449,994912		1	N	N60b	16071N60b	STWO	28	27	-1	11	4,694.765	3,989.588	-1.55	9.7
7805,023176	4478,58406		16098A08a	STWO	37	7805,023176	4937,13844		43	A	A08a	16098A08a	STWO	43	42	-1	-6	7,859.686	4,412.051	-1.55	-5.5
3757,233625	3606,609252		16101N69l	STWO	5	3757,233625	3981,238881		64	N	N69l	16101N69l	STWO	7	7	0	-2	3,112.304	3,567.125	0.55	-1.7
6529,706419			16128A04f	STWO	48	6529,706419			9	A	A04f	16128A04f	STWO	43	41	-2	5	6,277.225		-1.55	5.9
7335,673422	4471,824896		16152A05f	STWO	31	7335,673422	4896,247811		123	A	A05f	16152A05f	STWO	40	37	-3	-9	7,859.686	4,412.051	-3.65	-9.3
7272,378693	4346,409569		16152E13a	STWO	49	7272,378693	3688,972759		48	E	E13a	16152E13a	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
7190,589505	4403,5914		16152E13b	STWO	32	7229,825988	3742,079681		25	E	E13b	16152E13b	STWO	39	35	-4	-7	7,859.686	4,412.051	-3.65	-5.5
6584,279097	3993,956728		16152E13c	STWO	44	6584,279097	3394,18142		55	E	E13c	16152E13c	STWO	42	39	-3	2	6,277.225	3,989.588	-3.65	2.1
8300,308668	4322,322243		16160A05f	STWO	31	8300,308668	5125,694382		20	A	A05f	16160A05f	STWO	40	37	-3	-9	7,859.686	4,412.051	-3.65	-9.3
5664,240035	4023,673938		16179E13d	STWO	35	5664,240035	4441,389697		75	E	E13d	16179E13d	STWO	33	28	-5	2	6,277.225	3,989.588	-5.75	2.1
6849,622036	4372,544003		16179E13e	STWO	41	6849,622036	3974,715046		113	E	E13e	16179E13e	STWO	40	36	-4	1	6,277.225	4,412.051	-3.65	2.1
7858,447145	4380,75904		16217A08b	STWO	40	7858,447145	4727,025065		10	A	A08b	16217A08b	STWO	46	43	-3	-6	7,859.686	4,412.051	-3.65	-5.5
6225,249897	4205,628375		16233E42a	STWO	43	6225,249897	3556,795154		152	E	E42a	16233E42a	STWO	35	32	-3	8	6,277.225	4,412.051	-3.65	9.7
6751,426927	4280,480484		16233E42b	STWO	47	6751,426927	3566,268957		183	E	E42b	16233E42b	STWO	38	36	-2	9	6,277.225	4,412.051	-1.55	9.7
7847,644443	4489,594241		16241E16b	STWO	49	7847,644443	3854,900006		149	E	E16b	16241E16b	STWO	44	43	-1	5	7,859.686	4,412.051	-1.55	5.9
7169,512177	4152,824066		16241E17a	STWO	49	7272,111548	3117,696566		21	E	E17a	16241E17a	STWO	46	43	-3	3	7,859.686	3,989.588	-3.65	2.1
7006,608774	4282,242605		16268E16b	STWO	49	7006,608774	3379,073745		53	E	E16b	16268E16b	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
5245,454545	2552,041806		16276M55e	EGWO		5245,454545	2388,7982		1	M	M55e	16276M55e	EGWO					4,694.765	2,722.199		
7894,178922	3386,413457		16276M55h	EGWO	49	7894,178922	3261,60386		20	M	M55h	16276M55h	EGWO		49			7,859.686	3,567.125		
5270,922365	3563,497005		16276M55h	STWO	41	5270,922365	2438,497233		3	M	M55h	16276M55h	STWO	31	31	0	10	4,694.765	3,567.125	0.55	9.7
4190,89599	3759,121512		16284F76b	STWO	7	4190,89599	4044,286007		24	F	F76b	16284F76b	STWO	7	10	3	0	4,694.765	3,567.125	2.65	-1.7
8428,571429	3921,868822		16306A07h	EGWO	49	8428,571429	4306,8971		1	A	A07h	16306A07h	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
8223,855288	4603,646607		16306A07h	STWO	49	8223,855288	4153,172313		79	A	A07h	16306A07h	STWO	47	44	-3	2	7,859.686	4,412.051	-3.65	2.1
8181,601181	4021,718405		16314A02c	EGWO	49	8181,601181	4072,77945		2	A	A02c	16314A02c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7903,57236	4613,939243		16314A02c	STWO	45	7903,57236	4316,773284		26	A	A02c	16314A02c	STWO	46	41	-5	-1	7,859.686	4,412.051	-5.75	-1.7
7692,017476	4576,819018		16314A02d	STWO	43	7692,017476	4667,265583		23	A	A02d	16314A02d	STWO	45	40	-5	-2	7,859.686	4,412.051	-5.75	-1.7
7011,207715			16330M57a	EGWO	49	7011,207715			9	M	M57a	16330M57a	EGWO	44	47	3	5	6,277.225		2.65	5.9
7015,132793	4192,642718		16373K52d	STWO	49	7015,132793	3301,413732		101	K	K52d	16373K52d	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7132,978723	2962,895967		16373K54c	EGWO	49	7132,978723	2388,7422		1	K	K54c	16373K54c	EGWO		49			7,859.686	3,144.662		
6812,424669	4152,426936		16373K54c	STWO	49	6812,424669	3288,7982		156	K	K54c	16373K54c	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6141,009218	4158,318313		16411M28d	STWO	37	6141,009218	4337,340407		43	M	M28d	16411M28d	STWO	35	32	-3	2	6,277.225	3,989.588	-3.65	2.1
6216,524302	4109,776768		16438M28d	STWO	37	6216,524302	4377,127753		54	M	M28d	16438M28d	STWO	36	32	-4	1	6,277.225	3,989.588	-3.65	2.1
4200,659158	3635,210267		16454N68c	STWO	16	4200,659158	3485,884284		264	N	N68c	16454N68c	STWO	13	14	1	3	4,694.765	3,567.125	0.55	2.1
3967,442936			16454N68d	STWO	18	3967,442936	3089,301532		47	N	N68d	16454N68d	STWO	8	13	5	10	4,694.765		4.75	9.7
4303,755634	3445,583098		16454N69j	STWO	19	4303,755634	3457,023732		27	N	N69j	16454N69j	STWO	23	20	-3	-4	4,694.765	3,567.125	-3.65	-5.5
4533,451056	2533,6588		16454N70b	EGWO	49	4533,451056	2235,605902		14	N	N70b	16454N70b	EGWO	43	44	1	6	4,694.765	2,722.199	0.55	5.9
5121,209651	3964,88225		16454N70b	STWO	26	5121,209651	3755,446286		212	N	N70b	16454N70b	STWO	19	24	5	7	4,694.765	3,989.588	4.75	5.9
6073,348998	3752,634215		16462K48e	STWO		6073,348998	2583,588867		3	K	K48e	16462K48e	STWO					6,277.225	3,567.125		
5336,280488	3701,165732		16470N63a	EGWO	35	5336,280488	3441,918266		8	N	N63a	16470N63a	EGWO	29	31	2	6	4,694.765	3,567.125	2.65	5.9
6846,042048	4205,21689		16489K53a	STWO	48	6846,042048	3546,03917		209	K	K53a	16489K53a	STWO	41	39	-2	7	6,277.225	4,412.051	-1.55	5.9
6762,506667	3961,722655		16500N62b	EGWO	44	6762,506667	3756,885999		40	N	N62b	16500N62b	EGWO	39	41	2	5	6,277.225	3,989.588	2.65	5.9
3624,902995	3478,687048		16535N68b	STWO	13	3624,902995	3147,025637		120	N	N68b	16535N68b	STWO	16	11	-5	-3	3,112.304	3,567.125	-5.75	-1.7
5826,10886	2885,50607		16578K90c	EGWO	49	5826,10886	2439,625999		25	K	K90c	16578K90c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4040,357471	2711,434519		16594F83a	EGWO	31	4040,357471	2771,502869		35	F	F83a	16594F83a	EGWO	30	33	3	1	4,694.765	2,722.199	2.65	2.1
6942,170897	4817,129709		16608M55h	STWO	42	6942,170897	4082,107423		44	M	M55h	16608M55h	STWO	31	31	0	11	6,277.225	4,834.514	0.55	9.7
6858,207209	4214,077249		16616M30b	STWO	49	6858,207209	3462,362044		39	M	M30b	16616M30b	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
4153,227205	2477,353007		16624F83a	EGWO	36	4153,227205	2482,191914		8	F	F83a	16624F83a	EGWO	34	37	3	2	4,694.765	2,299.736	2.65	2.1
5961,836446	4016,656064		16632M31b	STWO	36	5961,836446	4371,259009		139	M	M31b	16632M31b	STWO	32	30	-2	4	6,277.225	3,989.588	-1.55	2.1
5176,406776	3865,994226		16632M31c	STWO	28	5176,406776	4257,399737		188	M	M31c	16632M31c	STWO	27	24	-3	1	4,694.765	3,989.588	-3.65	2.1
5624,780809	3917,703714		16632M32a	STWO	32	5624,780809	4597,821851		35	M	M32a	16632M32a	STWO	30	27	-3	2	6,277.225	3,989.588	-3.65	2.1
5220,247385	2588,172177		16632M32b	EGWO		5410,958904	2332,018192		1	M	M32b	16632M32b	EGWO					4,694.765	2,722.199		
5764,445953	3942,774562		16632M32b	STWO	35	5764,445953	4257,080725		94	M	M32b	16632M32b	STWO	33	31	-2	2	6,277.225	3,989.588	-1.55	2.1
4421,403	3836,063638		16675F85c	STWO	9	4421,403	4183,516624		36	F	F85c	16675F85c	STWO	15	13	-2	-6	4,694.765	3,989.588	-1.55	-5.5
5423,888889	3628,696462		16691E36b	STWO		5423,888889	2506,781328		2	E	E36b	16691E36b	STWO					4,694.765	3,567.125		
3441,675191	2603,191372		16756F81e	EGWO	25	3441,675191	2319,45232		31	F	F81e	16756F81e	EGWO	23	25	2	2	3,112.304	2,722.199	2.65	2.1
3754,34932	3293,956404		16764N69m	STWO	13	3754,34932	3255,771705		15	N	N69m	16764N69m	STWO	11	12	1	2	3,112.304	3,144.662	0.55	2.1
4263,193476			16772F81e	EGWO	28	4263,193476	2894,162017		8	F	F81e	16772F81e	EGWO	28	30	2	0	4,694.765		2.65	-1.7
4598,996656	2639,47674		16780N69m	EGWO	41	4598,996656	2332,440581		12	N	N69m	16780N69m	EGWO	31	35	4	10	4,694.765	2,722.199	4.75	9.7
7468,737329	4314,069556		16799E21a	STWO	49	7468,737329	3259,219648		197	E	E21a	16799E21a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7588,476558	4418,34987		16802E21a	STWO	49	7588,476558	3398,723614		40	E	E21a	16802E21a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
9807,40665	3534,945955		16810K47e	EGWO	49	9807,40665	2382,06145		20	K	K47e	16810K47e	EGWO		49			9,442.146	3,567.125		
7659,517538	4263,271027		16810K47e	STWO	49	7659,517538	2543,634446		24	K	K47e	16810K47e	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
3903,231917	2482,829853		16829F82d	EGWO	41	3903,231917	2283,119843		17	F	F82d	16829F82d	EGWO	34	36	2	7	3,112.304	2,299.736	2.65	5.9
3400	2836,192891		16829F82d	STWO	18	3400	2741,19		5	F	F82d	16829F82d	STWO	17	16	-1	1	3,112.304	2,722.199	-1.55	2.1
3995,295075	2868,642868		16853F78b	EGWO	28	3995,295075	2967,399083		21	F	F78b	16853F78b	EGWO	24	28	4	4	4,694.765	2,722.199	4.75	2.1
4115,13618	2897,405015		16942F78d	EGWO	27	4115,13618	2983,200202		31	F	F78d	16942F78d	EGWO	25	29	4	2	4,694.765	2,722.199	4.75	2.1
7607,639992	4428,038885		16950E14b	STWO	47	7607,639992	3659,864366		39	E	E14b	16950E14b	STWO	43	42	-1	4	7,859.686	4,412.051	-1.55	2.1
7367,354458	4295,157798		16950E16a	STWO	49	7367,354458	3394,518565		51	E	E16a	16950E16a	STWO	43	42	-1	6	7,859.686	4,412.051	-1.55	5.9
5095,628457	3236,684051		16985N66d	EGWO	36	5095,628457	3232,382157		54	N	N66d	16985N66d	EGWO	34	36	2	2	4,694.765	3,144.662	2.65	2.1
7012,077473	3329,647267		17019K44a	EGWO	49	7012,077473	3532,398113		16	K	K44a	17019K44a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6128,67473	3878,478936		17019K44a	STWO	39	6128,67473	3798,934356		14	K	K44a	17019K44a	STWO	36	35	-1	3	6,277.225	3,989.588	-1.55	2.1
7188,017591			17019K44e	STWO	49	7188,017591			5	K	K44e	17019K44e	STWO	42	40	-2	7	7,859.686		-1.55	5.9
7415,062419	3418,856666		17027K44a	EGWO	49	7415,062419	3406,632875		37	K	K44a	17027K44a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7413,446738			17027K44a	STWO	44	7413,446738			22	K	K44a	17027K44a	STWO	41	39	-2	3	7,859.686		-1.55	2.1
6198,656035	3374,573543		17027K44e	EGWO	49	6198,656035	3407,982267		6	K	K44e	17027K44e	EGWO	48	49	1	1	6,277.225	3,567.125	0.55	2.1
6734,649227	4359,767918		17027K44e	STWO	49	6734,649227	3474,830505		42	K	K44e	17027K44e	STWO	42	40	-2	7	6,277.225	4,412.051	-1.55	5.9
4471,684638	2868,012776		17035F76a	EGWO	37	4471,684638	2803,729086		21	F	F76a	17035F76a	EGWO	30	36	6	7	4,694.765	2,722.199	6.85	5.9
8014,83021	4197,049354		17043K47e	STWO	49	8014,83021	2612,507972		4	K	K47e	17043K47e	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
8709,971834	4539,139316		17043K47f	STWO	49	8709,971834	3340,835688		25	K	K47f	17043K47f	STWO	48	46	-2	1	9,442.146	4,412.051	-1.55	2.1
9408,184478			17051K47c	EGWO	49	9408,184478	2895,314467		3	K	K47c	17051K47c	EGWO		49			9,442.146			
8433,799166	3989,18428		17051K47c	STWO		8433,799166	2422,8266		42	K	K47c	17051K47c	STWO					7,859.686	3,989.588		
10195,23671			17051K47d	EGWO	49	10195,23671	3266,809446		4	K	K47d	17051K47d	EGWO					9,442.146			
8496,744891	4218,986117		17051K47d	STWO		8496,744891	2789,386053		30	K	K47d	17051K47d	STWO					7,859.686	4,412.051		
8956,808514			17051K47e	EGWO	49	8956,808514	2330,1088		2	K	K47e	17051K47e	EGWO					9,442.146			
7854,917166	4387,498781		17051K47e	STWO	49	7854,917166	2767,743355		7	K	K47e	17051K47e	STWO	44	47	3	5	7,859.686	4,412.051	2.65	5.9
11705,92866	4314,381612		17051K47f	EGWO	49	11705,92866	2874,099366		6	K	K47f	17051K47f	EGWO	49	49	0	0	11,024.607	4,412.051	0.55	-1.7
7803,480442	4352,630084		17051K47f	STWO	49	7803,480442	2705,211491		25	K	K47f	17051K47f	STWO	48	46	-2	1	7,859.686	4,412.051	-1.55	2.1
5604,643795	4019,253642		17086E39c	STWO	34	5604,643795	3662,806766		50	E	E39c	17086E39c	STWO	29	29	0	5	6,277.225	3,989.588	0.55	5.9
7640,3149	4395,857769		17094E19a	STWO	49	7654,681699	3727,263664		126	E	E19a	17094E19a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
6732,860865	4141,590188		17094E19b	STWO	31	6732,860865	4616,815623		146	E	E19b	17094E19b	STWO	35	35	0	4	6,277.225	4,412.051	0.55	5.5
7499,426061	4405,119371		17094E19c	STWO	49	7499,426061	3759,513796		184	E	E19c	17094E19c	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6709,677419	3248,114247		17094E20a	EGWO	46	6709,677419	3590,5648		1	E	E20a	17094E20a	EGWO		49			6,277.225	3,144.662		
7929,417013	4312,924386		17094E20a	STWO	49	7929,417013	3151,422028		114	E	E20a	17094E20a	STWO	48	46	-2	1	7,859.686	4,412.051	-1.55	2.1
7276,861933	4377,295909		17094E20c	STWO	49	7276,861933	3828,830876		51	E	E20c	17094E20c	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7791,890663	4412,079725		17094E21a	STWO	49	7791,890663	3488,822415		189	E	E21a	17094E21a	STWO	44	43	-1	5	7,859.686	4,412.051	-1.55	5.9
7843,218665	4471,464479		17108E19a	STWO	49	7850,318496	3706,492266		294	E	E19a	17108E19a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
6613,84648	4223,025459		17108E19b	STWO	41	6621,082927	3749,600808		225	E	E19b	17108E19b	STWO	36	36	0	5	6,277.225	4,412.051	0.55	5.9
7225,018672	4301,29618		17108E19c	STWO	47	7225,018672	3764,963048		91	E	E19c	17108E19c	STWO	41	40	-1	6	7,859.686	4,412.051	-1.55	5.9
6576,500691	4033,476432		17124E75a	STWO	49	6576,500691	3328,498726		60	E	E75a	17124E75a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
4157,948942	3714,387354		17159F77c	STWO	9	4157,948942	4085,181202		40	F	F77c	17159F77c	STWO	8	11	3	1	4,694.765	3,567.125	2.65	2.1
4844,324498	2698,083753		17175F89b	EGWO	40	4882,329076	2530,375158		57	F	F89b	17175F89b	EGWO	36	40	4	4	4,694.765	2,722.199	4.75	2.1
4768,399948	4094,146763	[redacted]	17175F89b	STWO	22	4768,399948	3785,760771	[redacted]	641	F	F89b	17175F89b	STWO	15	14	-1	7	4,694.765	3,989.588	-1.55	5.9

6622,156522	4239,24691	[redacted]	17183E41b	STWO	49	6622,156522	3300,296379	[redacted]	93	E	E41b	17183E41b	STWO	38	36	-2	11	6,277.225	4,412.051	-1.55	9.7
4484,517869	3728,116485		17191E39a	STWO	28	4484,517869	3846,908718		104	E	E39a	17191E39a	STWO	20	17	-3	8	4,694.765	3,567.125	-3.65	9.7
6377,723897	4388,880345		17205M55b	STWO	37	6377,723897	4006,867721		212	M	M55b	17205M55b	STWO	27	28	1	10	6,277.225	4,412.051	0.55	9.7
5818,793658	3753,778749		17205M55d	STWO	49	5818,793658	2731,986646		20	M	M55d	17205M55d	STWO	39	35	-4	10	6,277.225	3,567.125	-3.65	9.7
7960,000329	4656,700321		17221M27b	STWO	49	7960,000329	3676,05994		151	M	M27b	17221M27b	STWO	43	40	-3	6	7,859.686	4,834.514	-3.65	5.9
4828,084114	2735,295807		17264F78c	EGWO	45	4828,084114	2680,043308		6	F	F78c	17264F78c	EGWO	40	43	3	5	4,694.765	2,722.199	2.65	5.9
4997,470498	3980,464008		17329F76b	EGWO	10	4997,470498	4502,600734		44	F	F76b	17329F76b	EGWO	17	18	1	-7	4,694.765	3,989.588	0.55	-5.5
4227,320891	2933,383737		17337F77c	EGWO	28	4227,320891	3049,622169		42	F	F77c	17337F77c	EGWO	27	30	3	1	4,694.765	2,722.199	2.65	2.1
4008,338899			17337F77c	STWO	19	4008,338899	3092,550815		43	F	F77c	17337F77c	STWO	11	10	-1	8	4,694.765		-1.55	9.7
6324,019176	4010,656045		17345E37d	STWO	49	6324,019176	3001,624306		114	E	E37d	17345E37d	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6347,478469	4116,520192		17353E40c	STWO	49	6347,478469	3061,838876		48	E	E40c	17353E40c	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
6268,667912	4124,145933		17353E41a	STWO	49	6268,667912	3141,701666		28	E	E41a	17353E41a	STWO	37	34	-3	12	6,277.225	3,989.588	-3.65	13.5
6027,186536	4039,6005		17353E41b	STWO	49	6027,186536	3087,421603		73	E	E41b	17353E41b	STWO	35	33	-2	14	6,277.225	3,989.588	-1.55	13.5
6379,583847	4152,697449		17353E41c	STWO	46	6379,583847	3306,047897		20	E	E41c	17353E41c	STWO	34	31	-3	12	6,277.225	3,989.588	-3.65	13.5
6266,282752	4108,959269		17353E42a	STWO	46	6266,282752	3371,229518		116	E	E42a	17353E42a	STWO	36	34	-2	10	6,277.225	3,989.588	-1.55	9.7
6604,117782	4148,0487		17353E42c	STWO	49	6604,117782	3325,734274		40	E	E42c	17353E42c	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6226,666667	3915,607508		17353E75a	STWO	49	6226,666667	3015,346063		3	E	E75a	17353E75a	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
6058,64547	4042,719113		17353E75b	STWO	45	6058,64547	3346,813865		51	E	E75b	17353E75b	STWO	36	33	-3	9	6,277.225	3,989.588	-3.65	9.7
5152,219902	3655,366549		17353F86a	STWO	31	5152,219902	3426,823035		118	F	F86a	17353F86a	STWO	19	20	1	12	4,694.765	3,567.125	0.55	13.5
7028,690416	3327,373955		17396E18a	EGWO	49	7189,806985	3062,552609		5	E	E18a	17396E18a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
7662,87381	4393,914266		17396E18a	STWO	49	7662,87381	3691,475664		48	E	E18a	17396E18a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7794,16278	3926,807233		17396E18b	EGWO	49	8048,736158	3608,669451		8	E	E18b	17396E18b	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7277,735933	4391,672256		17396E18b	STWO	49	7277,735933	3579,863759		59	E	E18b	17396E18b	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9
6864,040601	4274,631996		17418E37d	STWO	49	6864,040601	3424,367447		112	E	E37d	17418E37d	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
3876,398961	2466,134478		17426F76a	EGWO	36	3876,398961	2311,581111		9	F	F76a	17426F76a	EGWO	29	36	7	7	3,112.304	2,299.736	6.85	5.9
4234,789406	2895,544866		17434F78b	EGWO	31	4234,789406	2941,962447		21	F	F78b	17434F78b	EGWO	27	32	5	4	4,694.765	2,722.199	4.75	2.1
3659,662538	3417,070786		17434F78b	STWO	34	3659,662538	2807,26		5	F	F78b	17434F78b	STWO	20	19	-1	14	3,112.304	3,567.125	-1.55	13.5
6845,37041	4257,408226		17442K26a	STWO	49	6845,37041	3467,813868		142	K	K26a	17442K26a	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
3730,577525	2568,64889		17450F81a	EGWO	28	3730,577525	2643,505611		11	F	F81a	17450F81a	EGWO	30	31	1	-2	3,112.304	2,722.199	0.55	-1.7
9056,28035			17469K47b	EGWO	49	9056,28035	3065,252309		12	K	K47b	17469K47b	EGWO					9,442.146			
8089,118872	4269,41545		17469K47b	STWO	49	8089,118872	2816,657333		94	K	K47b	17469K47b	STWO		46			7,859.686	4,412.051		
6500,108202	4133,459798		17477E41b	STWO	49	6500,108202	3170,202939		25	E	E41b	17477E41b	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
4620,896355	2987,081603		17485F86a	EGWO	40	4620,896355	2542,601273		8	F	F86a	17485F86a	EGWO	38	36	-2	2	4,694.765	3,144.662	-1.55	2.1
3754,965839	3544,134711		17485F86a	STWO	21	3754,965839	3827,409691		90	F	F86a	17485F86a	STWO	14	15	1	7	3,112.304	3,567.125	0.55	5.9
3915,719088	2493,851619		17493F82d	EGWO	42	3915,719088	2278,042854		22	F	F82d	17493F82d	EGWO	34	36	2	8	4,694.765	2,299.736	2.65	9.7
4037,264151	3293,516586		17493F82d	STWO	23	4037,264151	2419,540355		12	F	F82d	17493F82d	STWO	16	18	2	7	4,694.765	3,144.662	2.65	5.9
7208,562367	4443,303172		17507E18b	STWO	49	7208,562367	3628,977126		14	E	E18b	17507E18b	STWO	41	38	-3	8	7,859.686	4,412.051	-3.65	9.7
6410,870614	4080,700553		17507E19b	STWO	41	6410,870614	3250,528136		40	E	E19b	17507E19b	STWO	36	36	0	5	6,277.225	3,989.588	0.55	5.9
6632,658627	4253,261656		17507E19c	STWO	44	6632,658627	3659,348007		63	E	E19c	17507E19c	STWO	37	34	-3	7	6,277.225	4,412.051	-3.65	5.9
7681,379593	4567,083027		17507E20c	STWO	49	7681,379593	3600,409993		88	E	E20c	17507E20c	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7726,561636	4496,571573		17507E21a	STWO	49	7726,561636	3481,267919		96	E	E21a	17507E21a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
2409,031929	3529,847397		17523F89b	STWO	19	2409,031929	3506,9875		90	F	F89b	17523F89b	STWO	21	15	-6	-2	3,112.304	3,567.125	-5.75	-1.7
4484,839468	4255,887703		17531F83b	STWO	16	4484,839468	3750,707601		33	F	F83b	17531F83b	STWO	7	5	-2	9	4,694.765	4,412.051	-1.55	9.7
4273,321963	2830,166302		17558N66d	EGWO	34	4273,321963	2814,672466		25	N	N66d	17558N66d	EGWO	34	34	0	0	4,694.765	2,722.199	0.55	-1.7
4352,941176	3349,29475		17566F86b	STWO	33	4352,941176	3027,958437		1	F	F86b	17566F86b	STWO		23			4,694.765	3,144.662		
3887,293006	2409,534639		17574F82d	EGWO	44	3887,293006	2207,106709		22	F	F82d	17574F82d	EGWO	35	39	4	9	3,112.304	2,299.736	4.75	9.7
4004,150315	3202,926184		17574F82d	STWO	23	4004,150315	2919,441927		23	F	F82d	17574F82d	STWO	22	20	-2	1	4,694.765	3,144.662	-1.55	2.1
4170,821791	2901,966524		17582F78b	EGWO	29	4170,821791	2942,065892		27	F	F78b	17582F78b	EGWO	26	30	4	3	4,694.765	2,722.199	4.75	2.1
3641,883835	3248,928714		17582F78b	STWO	34	3641,883835	2146,5		5	F	F78b	17582F78b	STWO	20	19	-1	14	3,112.304	3,144.662	-1.55	13.5
4413,113619	3576,181297		17612F86a	STWO	25	4413,113619	3488,756433		110	F	F86a	17612F86a	STWO	20	20	0	5	4,694.765	3,567.125	0.55	5.9
4910,604661	3634,547489		17612F86b	STWO	31	4910,604661	3371,567725		169	F	F86b	17612F86b	STWO	28	26	-2	3	4,694.765	3,567.125	-1.55	2.1
5230,734315	3744,191701		17612F86f	STWO	33	5230,734315	3528,452916		176	F	F86f	17612F86f	STWO	29	28	-1	4	4,694.765	3,567.125	-1.55	2.1
4029,707199	3507,248944		17647F78c	STWO	11	4029,707199	3661,555375		148	F	F78c	17647F78c	STWO	12	13	1	-1	4,694.765	3,567.125	0.55	-1.7
10293,15595	3596,6384		17655K49d	EGWO	49	10293,15595	2435,934175		4	K	K49d	17655K49d	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7105,331638	4052,338044		17655K49d	STWO	49	7105,331638	2522,28865		73	K	K49d	17655K49d	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
6380,295677	3944,820655		17663E15d	STWO	33	6380,295677	3898,938457		82	E	E15d	17663E15d	STWO	39	38	-1	-6	6,277.225	3,989.588	-1.55	-5.5
6353,490975	4212,026618		17663E37d	STWO	48	6353,490975	3319,903172		84	E	E37d	17663E37d	STWO	35	33	-2	13	6,277.225	4,412.051	-1.55	13.5
6323,073636	4166,344911		17663E37e	STWO	49	6323,073636	3175,426705		16	E	E37e	17663E37e	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
6053,039794	4066,578548		17663E38d	STWO	46	6053,039794	3222,82158		43	E	E38d	17663E38d	STWO	35	32	-3	11	6,277.225	3,989.588	-3.65	9.7
6056,892331	4518,527615		17663E39b	STWO	35	6056,892331	3902,161532		487	E	E39b	17663E39b	STWO	27	25	-2	8	6,277.225	4,412.051	-1.55	9.7
6507,164386	4121,303677		17663E40b	STWO	49	6507,164386	3034,360978		44	E	E40b	17663E40b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
5666,254923	3768,026102		17663E40c	STWO	49	5666,254923	2637,754286		7	E	E40c	17663E40c	STWO	37	33	-4	12	6,277.225	3,567.125	-3.65	13.5
6590,002648	4166,982437		17663E41a	STWO	49	6590,002648	3196,348732		54	E	E41a	17663E41a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
5732,702201	3910,351023		17663E41b	STWO	48	5732,702201	2965,69896		23	E	E41b	17663E41b	STWO	37	32	-5	11	6,277.225	3,989.588	-5.75	9.7
6351,507855	4165,366085		17663E41c	STWO	49	6351,507855	3243,364483		17	E	E41c	17663E41c	STWO	37	34	-3	12	6,277.225	3,989.588	-3.65	13.5
11711,13012			17671K46a	EGWO	49	11711,13012	2354,316277		13	K	K46a	17671K46a	EGWO					11,024.607			
7760,861014	4347,935693		17671K46a	STWO	49	7760,861014	2664,634033		21	K	K46a	17671K46a	STWO					7,859.686	4,412.051		
4627,6863	2699,027467		17698F85b	EGWO	44	4627,6863	2518,115577		17	F	F85b	17698F85b	EGWO	38	41	3	6	4,694.765	2,722.199	2.65	5.9
6682,627072	4141,897085		17728E75b	STWO	49	6682,627072	3347,25103		91	E	E75b	17728E75b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
5234,381135	4013,54764		17736E39d	STWO	23	5234,381135	4212,022587		67	E	E39d	17736E39d	STWO	30	23	-7	-7	4,694.765	3,989.588	-7.85	-5.5
4203,665636	3522,950271		17752F82d	STWO	16	4203,665636	3519,083404		371	F	F82d	17752F82d	STWO	19	16	-3	-3	4,694.765	3,567.125	-3.65	-1.7
5301,211427	2808,16622		17760F86b	EGWO	49	5301,211427	2674,620505		18	F	F86b	17760F86b	EGWO	39	47	8	10	4,694.765	2,722.199	8.95	9.7
3474,40198	3356,292913		17779F86a	STWO	21	3474,40198	3083,597773		72	F	F86a	17779F86a	STWO	14	15	1	7	3,112.304	3,567.125	0.55	5.9
5903,225806	3741,736242		17787M58e	STWO		5903,225806	2404,63		1	M	M58e	17787M58e	STWO					6,277.225	3,567.125		
9475,62599	3399,011526		17809K47c	EGWO	49	9475,62599	2389,5361		3	K	K47c	17809K47c	EGWO			49		9,442.146	3,567.125		
8193,414325	4273,540691		17809K47c	STWO	49	8193,414325	2828,544699		30	K	K47c	17809K47c	STWO			48		7,859.686	4,412.051		
4382,556705	3853,928706		17817F78c	STWO	8	4382,556705	4848,14324		32	F	F78c	17817F78c	STWO	10	12	2	-2	4,694.765	3,989.588	2.65	-1.7
3862,43685	3655,235317		17825F76a	STWO	6	3862,43685	3960,114219		72	F	F76a	17825F76a	STWO	6	7	1	0	3,112.304	3,567.125	0.55	-1.7
5864,051649	3989,747966		17841N60a	STWO	42	5864,051649	3404,780625		8	N	N60a	17841N60a	STWO	27	32	5	15	6,277.225	3,989.588	4.75	13.5
6759,743015	4106,387913		17868K48f	STWO	49	6759,743015	3202,592544		112	K	K48f	17868K48f	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
6852,987188	4311,118458		17876E37d	STWO	49	6852,987188	3468,678842		113	E	E37d	17876E37d	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
6347,786611	3927,123363		17892M33c	STWO	38	6347,786611	3999,433354		295	M	M33c	17892M33c	STWO	41	38	-3	-3	6,277.225	3,989.588	-3.65	-1.7
6338,703422	3924,143382		17906M31a	STWO	42	6338,703422	3957,624337		23	M	M31a	17906M31a	STWO	40	38	-2	2	6,277.225	3,989.588	-1.55	2.1
7173,008535			17906M31b	STWO	36	7173,008535	5617,320825		8	M	M31b	17906M31b	STWO	37	34	-3	-1	7,859.686		-3.65	-1.7
6749,034984	4334,940117		17906M32a	STWO	42	6749,034984	3711,196727		30	M	M32a	17906M32a	STWO	37	36	-1	5	6,277.225	4,412.051	-1.55	5.9
6725,394592	4256,4883		17914M32a	STWO	42	6725,394592	3625,976838		11	M	M32a	17914M32a	STWO	39	37	-2	3	6,277.225	4,412.051	-1.55	2.1
6962,515812	4254,029016		17922M31a	STWO	46	6962,515812	3643,036949		259	M	M31a	17922M31a	STWO	39	37	-2	9	6,277.225	4,412.051	-1.55	9.7
6871,931078	4240,72298		17922M31b	STWO	46	6871,931078	3540,667709		215	M	M31b	17922M31b	STWO	39	37	-2	7	6,277.225	4,412.051	-1.55	5.9
6664,751774	4205,208914		17922M32a	STWO	42	6664,751774	3553,739237		164	M	M32a	17922M32a	STWO	39	37	-2	3	6,277.225	4,412.051	-1.55	2.1
6989,95452	4026,609531		17930K52c	STWO	49	6989,95452	2886,270189		268	K	K52c	17930K52c	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
6637,339833	2979,693495		17957M55h	EGWO	49	6637,339833	2792,673998		8	M	M55h	17957M55h	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5802,134921	3831,337265		17957M55h	STWO	41	5802,134921	3336,882026		34	M	M55h	17957M55h	STWO	33	34	1	8	6,277.225	3,989.588	0.55	9.7
3868,361219	3605,01095		17965E37c	STWO	34	3868,361219	3825,72617		47	E	E37c	17965E37c	STWO	25	23	-2	9	3,112.304	3,567.125	-1.55	9.7
5183,673469	3205,063018		17973A01b	EGWO	24	5183,673469	4244,3225		1	A	A01b	17973A01b	EGWO	38	43	5	-14	4,694.765	3,144.662	4.75	-13.1
3675,655033	3149,156238		17981N68a	STWO	12	3675,655033	3206,118195		284	N	N68a	17981N68a	STWO	12	7	-5	0	3,112.304	3,144.662	-5.75	-1.7
3348,220896	2946,076591		17981N68b	STWO	15	3348,220896	2832,076141		124	N	N68b	17981N68b	STWO	17	12	-5	-2	3,112.304	3,144.662	-5.75	-1.7
7084,692288	4358,795935		18007E14d	STWO	49	7084,692288	3485,654824		164	E	E14d	18007E14d	STWO	40	38	-2	9	7,859.686	4,412.051	-1.55	9.7
7002,787685	4294,8961		18007E14e	STWO	49	7002,787685	3417,809591		76	E	E14e	18007E14e	STWO	40	39	-1	9	6,277.225	4,412.051	-1.55	9.7
7428,872694	4288,345574		18015M58j	STWO		7428,872694	3710,340091		711	M	M58j	18015M58j	STWO					7,859.686	4,412.051		
6238,305247	4008,369741		18066A04i	STWO	44	6238,305247	3499,922136		48	A	A04i	18066A04i	STWO	39	35	-4	5	6,277.225	3,989.588	-3.65	5.9
7539,05472	4080,492403		18074K47f	STWO	49	7539,05472	2669,822908		57	K	K47f	18074K47f	STWO	45	46	1	4	7,859.686	3,989.588	0.55	2.1
6804,26057	3958,391004		18074K47g	STWO	49	6804,26057	2684,958665		48	K	K47g	18074K47g	STWO	43	42	-1	6	6,277.225	3,989.588	-1.55	5.9
4959,859629	3188,518726		18112F81c	EGWO	28	4959,859629	3679,883333		8	F	F81c	18112F81c	EGWO	28	30	2	0	4,694.765	3,144.662	2.65	1.7
3353,741497	2241,543679		18120F77a	EGWO	28	3353,741497	2234,474286		7	F	F77a	18120F77a	EGWO	29	30	1	-1	3,112.304	2,299.736	0.55	-1.7
4452,512303	3580,455533		18120F77a	STWO	17	4452,512303	3020,217645		6	F	F77a	18120F77a	STWO	12	13	1	5	4,694.765	3,567.125	0.55	5.9
4337,800567	2817,235764		18201F76a	EGWO	37	4337,800567	2720,70191		31	F	F76a	18201F76a	EGWO	30	35	5	7	4,694.765	2,722.199	4.75	5.9
4758,154231	3831,546667		18236F85b	STWO	17	4758,154231	3980,77852		45	F	F85b	18236F85b	STWO	18	19	1	-1	4,694.765	3,989.588	0.55	-1.7
4570,881183	3898,237606		18236F85c	STWO	8	4570,881183	4244,420421		31	F	F85c	18236F85c	STWO	19	14	-5	-11	4,694.765	3,989.588	-5.75	-9.3
4304,841168	3534,002176		18236F89a	STWO	23	4304,841168	2821,700639		52	F	F89a	18236F89a	STWO	18	18	0	5	4,694.765	3,567.125	0.55	5.9
4256,449593	3419,219372		18236F89b	STWO	24	4256,449593	3101,118344		151	F	F89b	18236F89b	STWO	16	20	4	8	4,694.765	3,567.125	4.75	9.7
4479,38614	3503,877741		18244F86b	STWO	29	4479,38614	3186,163567		65	F	F86b	18244F86b	STWO	23	22	-1	6	4,694.765	3,567.125	-1.55	5.9
4838,710194	3767,212105		18244F86e	STWO	25	4838,710194	3642,896176		136	F	F86e	18244F86e	STWO	23	22	-1	2	4,694.765	3,567.125	-1.55	2.1
4304,737652	3760,115648		18279F89a	STWO	13	4304,737652	4039,991295		32	F	F89a	18279F89a	STWO	13	13	0	0	4,694.765	3,567.125	0.55	-1.7
4111,09897	3844,800529		18287F76b	STWO	7	4111,09897	4293,255		64	F	F76b	18287F76b	STWO	8	8	0	-1	4,694.765	3,989.588	0.55	-1.7
6810,967138	3938,772524		18317M56b	STWO	49	6810,967138	2733,561353		72	M	M56b	18317M56b	STWO	43	42	-1	6	6,277.225	3,989.588	-1.55	5.9

7290,54784	3031,114013	[redacted]	18341E21b	EGWO	49	7290,54784	2389,8216	[redacted]	6	E	E21b	18341E21b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
4437,957877	2695,587564		18368F85b	EGWO	43	4437,957877	2549,815254		16	F	F85b	18368F85b	EGWO	37	39	2	6	4,694.765	2,722.199	2.65	5.9
4487,589474	2639,246717		18376F86a	EGWO	46	4487,589474	2474,191791		17	F	F86a	18376F86a	EGWO	38	42	4	8	4,694.765	2,722.199	4.75	9.7
4084,615385	3272,235369		18376F86a	STWO	26	4084,615385	2217,36		1	F	F86a	18376F86a	STWO	19	20	1	7	4,694.765	3,144.662	0.55	5.9
4427,477477	3003,623752		18384F89b	STWO	31	4427,477477	3049,653782		30	F	F89b	18384F89b	STWO	29	32	3	2	4,694.765	3,144.662	2.65	2.1
5131,789412	3180,463155		18392F76a	EGWO	36	5131,789412	3271,41438		15	F	F76a	18392F76a	EGWO	35	38	3	1	4,694.765	3,144.662	2.65	2.1
4481,379326	3878,646215		18392F76a	STWO	6	4481,379326	4327,481291		40	F	F76a	18392F76a	STWO	11	14	3	-5	4,694.765	3,989.588	2.65	-5.5
4516,717949	2667,438577		18414F89c	EGWO	47	4516,717949	2377,832323		9	F	F89c	18414F89c	EGWO	39	41	2	8	4,694.765	2,722.199	2.65	9.7
6927,083333	2916,426009		18422M56c	EGWO	49	6927,083333	2605,324785		1	M	M56c	18422M56c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6173,488744	3886,954557		18422M56c	STWO	49	6173,488744	2924,808092		193	M	M56c	18422M56c	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
4563,546941	2708,23142		18430F85b	EGWO	44	4563,546941	2566,346926		17	F	F85b	18430F85b	EGWO	38	40	2	6	4,694.765	2,722.199	2.65	5.9
7917,396861	4241,736601		18449K46a	STWO	49	7917,396861	2711,53535		146	K	K46a	18449K46a	STWO					7,859.686	4,412.051		
11135	3999,323619		18449K47c	EGWO	49	11135	3828,742226		2	K	K47c	18449K47c	EGWO			49		11,024.607	3,989.588		
8411,924492			18449K47c	STWO		8411,924492			52	K	K47c	18449K47c	STWO					7,859.686			
9453,54092			18449K47d	EGWO	49	9453,54092	3045,500138		14	K	K47d	18449K47d	EGWO					9,442.146			
8341,33925	4287,980665		18449K47d	STWO		8341,33925	2793,227595		225	K	K47d	18449K47d	STWO					7,859.686	4,412.051		
10947,08395			18457K47a	EGWO	49	10947,08395	2375,6922		2	K	K47a	18457K47a	EGWO					11,024.607			
7362,776404	4069,371386		18457K47a	STWO	49	7362,776404	2561,91189		8	K	K47a	18457K47a	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
10074,64688			18465K47a	EGWO	49	10074,64688	2339,55194		5	K	K47a	18465K47a	EGWO					9,442.146			
7735,456044	4224,708535		18465K47a	STWO	49	7735,456044	2744,474813		72	K	K47a	18465K47a	STWO			46		7,859.686	4,412.051		
6104,145836	3827,342015		18473K59a	STWO	29	6104,145836	4333,077593		36	K	K59a	18473K59a	STWO	36	33	-3	-7	6,277.225	3,989.588	-3.65	-5.5
6764,125172	4268,546091		18481E41a	STWO	49	6764,125172	3360,788886		196	E	E41a	18481E41a	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
4646,325536	3886,656809		18511F85c	STWO	10	4646,325536	4260,222095		36	F	F85c	18511F85c	STWO	16	16	0	-6	4,694.765	3,989.588	0.55	-5.5
7292,53832	4401,10935		18546A04i	STWO	38	7292,53832	4563,998492		30	A	A04i	18546A04i	STWO	42	40	-2	-4	7,859.686	4,412.051	-1.55	-5.5
7340,791688	4455,846733		18554A01g	STWO	34	7391,617381	4924,394363		26	A	A01g	18554A01g	STWO	42	37	-5	-8	7,859.686	4,412.051	-5.75	-9.3
4377,632163	2797,649064		18562F76a	EGWO	37	4377,632163	2724,033533		18	F	F76a	18562F76a	EGWO	31	36	5	6	4,694.765	2,722.199	4.75	5.9
4210,534141	2650,631485		18570F76a	EGWO	39	4210,534141	2545,711384		19	F	F76a	18570F76a	EGWO	33	37	4	6	4,694.765	2,722.199	4.75	5.9
4411,891794	2918,026209		18589F76a	EGWO	34	4411,891794	2909,741206		9	F	F76a	18589F76a	EGWO	28	34	6	6	4,694.765	2,722.199	6.85	5.9
6193,295531	3920,45993		18600E37a	STWO	49	6193,295531	2905,533404		122	E	E37a	18600E37a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6530,970949	4100,762385		18619E40c	STWO	49	6530,970949	3000,240987		100	E	E40c	18619E40c	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
4106,58429	2869,393898		18627F78d	EGWO	29	4106,58429	2929,552953		48	F	F78d	18627F78d	EGWO	27	30	3	2	4,694.765	2,722.199	2.65	2.1
6410,107234	4074,222679		18635E37d	STWO	49	6410,107234	3087,542311		89	E	E37d	18635E37d	STWO	40	36	-4	9	6,277.225	3,989.588	-3.65	9.7
7456,179604	4298,966289		18643K25d	STWO	49	7456,179604	3382,78709		145	K	K25d	18643K25d	STWO	46	42	-4	3	7,859.686	4,412.051	-3.65	2.1
7215,301971	4224,275386		18643K26a	STWO	49	7215,301971	3456,516215		50	K	K26a	18643K26a	STWO	42	41	-1	7	7,859.686	4,412.051	-1.55	5.9
7441,172637	4375,492257		18643K26b	STWO	49	7441,172637	3630,547854		72	K	K26b	18643K26b	STWO	45	41	-4	4	7,859.686	4,412.051	-3.65	2.1
7433,880118	4404,390344		18643K26c	STWO	49	7433,880118	3697,265127		71	K	K26c	18643K26c	STWO	45	41	-4	4	7,859.686	4,412.051	-3.65	2.1
3995,231702	2835,930824		18678F77c	EGWO	27	3995,231702	2895,228067		96	F	F77c	18678F77c	EGWO	30	29	-1	-3	4,694.765	2,722.199	-1.55	-1.7
6650,043778	4249,668415		18686M30a	STWO	43	6650,043778	3760,730986		28	M	M30a	18686M30a	STWO	38	36	-2	5	6,277.225	4,412.051	-1.55	5.9
6265,408987	4153,651744		18694E37g	STWO	48	6265,408987	3241,241578		155	E	E37g	18694E37g	STWO	36	34	-2	12	6,277.225	3,989.588	-1.55	13.5
7649,631252	4704,189175		18716M55c	STWO	42	7649,631252	4285,018885		192	M	M55c	18716M55c	STWO	35	39	4	7	7,859.686	4,834.514	4.75	5.9
5513,058866	3769,393841		18740N65b	EGWO	34	5513,058866	3658,279368		12	N	N65b	18740N65b	EGWO	26	32	6	8	6,277.225	3,567.125	6.85	9.7
6891,325247	4340,340432		18791A09i	STWO	32	6891,325247	4703,170956		7	A	A09i	18791A09i	STWO	39	37	-2	-7	6,277.225	4,412.051	-1.55	-5.5
10232,4869	3659,03725		18821K91c	EGWO	49	10232,4869	3402,741681		4	K	K91c	18821K91c	EGWO	48	47	-1	1	9,442.146	3,567.125	-1.55	2.1
6194,267516			18856A04b	EGWO	36	6194,267516	3396,5272		1	A	A04b	18856A04b	EGWO	45	46	1	-9	6,277.225		0.55	-9.3
7416,104173	4510,766144		18856A04b	STWO	34	7416,104173	4920,451706		22	A	A04b	18856A04b	STWO	42	39	-3	-8	7,859.686	4,412.051	-3.65	-9.3
5814,964248	3752,074791		18864N61c	STWO	48	5814,964248	2858,411733		9	N	N61c	18864N61c	STWO	35	32	-3	13	6,277.225	3,567.125	-3.65	13.5
5260,85814	3946,157405		18872N60c	EGWO	33	5260,85814	3626,859381		8	N	N60c	18872N60c	EGWO	28	31	3	5	4,694.765	3,989.588	2.65	5.9
6587,800886	4166,073129		18902A01g	STWO	33	6587,800886	4159,544333		10	A	A01g	18902A01g	STWO	43	38	-5	-10	6,277.225	3,989.588	-5.75	-9.3
7170,843468	4215,224526		18902A01h	STWO	43	7296,700874	3388,663051		14	A	A01h	18902A01h	STWO	46	42	-4	-3	7,859.686	4,412.051	-3.65	-1.7
5333,003296	3789,481586		18910M55d	STWO	46	5333,003296	3373,639485		32	M	M55d	18910M55d	STWO	34	33	-1	12	4,694.765	3,989.588	-1.55	13.5
9685,714286			18910M55e	EGWO		9685,714286			1	M	M55e	18910M55e	EGWO					9,442.146			
5165,338481	3687,182028		18929N60c	EGWO	33	5165,338481	3466,090204		26	N	N60c	18929N60c	EGWO	28	31	3	5	4,694.765	3,567.125	2.65	5.9
4937,189437	2736,607765		18953N60b	EGWO	43	4937,189437	2591,757144		12	N	N60b	18953N60b	EGWO	41	43	2	2	4,694.765	2,722.199	2.65	2.1
5000,977673	3666,660657		18953N60b	STWO	41	5000,977673	2975,796605		8	N	N60b	18953N60b	STWO	27	27	0	14	4,694.765	3,567.125	0.55	13.5
5256,25	3039,999791		18953N60c	EGWO	38	5256,25	3084,233853		2	N	N60c	18953N60c	EGWO	33	36	3	5	4,694.765	3,144.662	2.65	5.9
4423,789845	3524,586373		18953N60c	STWO	36	4423,789845	2809,42163		26	N	N60c	18953N60c	STWO	19	19	0	17	4,694.765	3,567.125	0.55	17.3
2634,328358			18961N69l	STWO	9	2634,328358			1	N	N69l	18961N69l	STWO	10	11	1	-1	3,112.304		0.55	-1.7
7766,334504	4395,122538		19054E20c	STWO	49	7766,334504	3313,287743		214	E	E20c	19054E20c	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7598,615659	4399,507155		19054E21a	STWO	49	7598,615659	3430,790486		397	E	E21a	19054E21a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
6373,167986	4026,318927		19100E37d	STWO	49	6373,167986	3048,685458		12	E	E37d	19100E37d	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
5887,820513	2904,881525		19100E37g	EGWO	49	5887,820513	2455		6	E	E37g	19100E37g	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5883,523849	4050,41973		19100E37g	STWO	46	5883,523849	3173,036276		75	E	E37g	19100E37g	STWO	34	31	-3	12	6,277.225	3,989.588	-3.65	13.5
7377,804983	4529,573245		19119K25b	STWO	47	7377,804983	4047,559137		104	K	K25b	19119K25b	STWO	44	39	-5	3	7,859.686	4,412.051	-5.75	2.1
6967,514177	4152,085682		19119K25c	STWO	49	6967,514177	3184,756753		129	K	K25c	19119K25c	STWO	43	40	-3	6	6,277.225	3,989.588	-3.65	5.9
6478,674302	3965,539671		19119K26c	STWO	49	6478,674302	3081,883972		76	K	K26c	19119K26c	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
4647,380797	3592,681989		19127F86a	STWO	28	4647,380797	3342,09114		15	F	F86a	19127F86a	STWO	23	23	0	5	4,694.765	3,567.125	0.55	5.9
6163,340879	4144,246105		19178A01c	STWO	32	6163,340879	4213,27435		10	A	A01c	19178A01c	STWO	39	33	-6	-7	6,277.225	3,989.588	-5.75	-5.5
6754,12569	3506,981825		19186M57a	EGWO	49	6754,12569	3083,898211		8	M	M57a	19186M57a	EGWO	45	48	3	4	6,277.225	3,567.125	2.65	2.1
5340,924426	3876,394972		19186M57a	STWO	44	5340,924426	3024,024091		3	M	M57a	19186M57a	STWO	29	29	0	15	4,694.765	3,989.588	0.55	13.5
6300			19194K45b	STWO	49	6300	3517,355377		3	K	K45b	19194K45b	STWO	41	39	-2	8	6,277.225		-1.55	9.7
4562,130178	2948,511223		19208K45b	EGWO	49	4562,130178	4113,4331		1	K	K45b	19208K45b	EGWO	49	49	0	0	4,694.765	3,144.662	0.55	-1.7
6806,967469	4030,594797		19208K45b	STWO	49	6806,967469	2970,648258		14	K	K45b	19208K45b	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
3211,061283	3375,503052		19216T94f	STWO	6	3211,061283	3097,399305		121	T	T94f	19216T94f	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
7264,995471	3535,062147		19224A06k	EGWO	45	7264,995471	3629,44075		5	A	A06k	19224A06k	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
7888,049584	4537,265228		19224A06k	STWO	47	7888,049584	4131,592988		20	A	A06k	19224A06k	STWO	45	42	-3	2	7,859.686	4,412.051	-3.65	2.1
7454,282699	4129,374884		19232A06k	STWO	47	7454,282699	2933,272142		26	A	A06k	19232A06k	STWO	45	42	-3	2	7,859.686	3,989.588	-3.65	2.1
7533,517572	3811,38849		19240A06k	EGWO	41	7533,517572	4411,451819		5	A	A06k	19240A06k	EGWO	49	49	0	-8	7,859.686	3,989.588	0.55	-9.3
8055,628045	4489,491898		19240A06k	STWO	47	8055,628045	4290,381479		25	A	A06k	19240A06k	STWO	45	43	-2	2	7,859.686	4,412.051	-1.55	2.1
4379,806468	2691,106724		19259N70b	EGWO	42	4379,806468	2530,624444		9	N	N70b	19259N70b	EGWO	34	39	5	8	4,694.765	2,722.199	4.75	9.7
7279,683807	4311,169045		19267M28c	STWO	49	7279,683807	3515,584124		32	M	M28c	19267M28c	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6574,600217	4032,172283		19275M28c	STWO	49	6574,600217	3100,541371		28	M	M28c	19275M28c	STWO	38	39	1	11	6,277.225	3,989.588	0.55	9.7
5217,442262	3863,203398		19283K90c	STWO	27	5217,442262	3826,118948		114	K	K90c	19283K90c	STWO	30	26	-4	-3	4,694.765	3,989.588	-3.65	-1.7
4919,236198	3801,328259		19283K91c	STWO	24	4919,236198	3865,107095		48	K	K91c	19283K91c	STWO	30	23	-7	-6	4,694.765	3,989.588	-7.85	-5.5
4234,899889	3786,752113		19291N68c	STWO	6	4234,899889	4249,330377		94	N	N68c	19291N68c	STWO	11	10	-1	-5	4,694.765	3,989.588	-1.55	-5.5
6976,283388	4441,166492		19321A09b	STWO	31	7004,183811	4835,55151		53	A	A09b	19321A09b	STWO	37	34	-3	-6	6,277.225	4,412.051	-3.65	-5.5
6483,825529	4215,345931		19364A09b	STWO	27	6483,825529	4691,854972		3	A	A09b	19364A09b	STWO	32	29	-3	-5	6,277.225	4,412.051	-3.65	-5.5
7048,819333	4310,81922		19399A01b	STWO	32	7048,819333	4670,708656		12	A	A01b	19399A01b	STWO	41	37	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7418,630692	3096,317429		19402E21b	EGWO	49	7418,630692	2368,408246		8	E	E21b	19402E21b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
7664,232412	4342,517256		19402E21b	STWO	49	7664,232412	4247,419133		10	E	E21b	19402E21b	STWO	44	43	-1	5	7,859.686	4,412.051	-1.55	5.9
16444,44444			19402E22b	EGWO		16444,44444			1	E	E22b	19402E22b	EGWO					15,771.988			
7902,758579	4679,40279		19402E22b	STWO	47	7902,758579	4763,48668		25	E	E22b	19402E22b	STWO	42	40	-2	5	7,859.686	4,834.514	-1.55	5.9
7203,735217	4302,316843		19410K44c	STWO	49	7203,735217	3481,200015		67	K	K44c	19410K44c	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
8691,304348			19429A08e	EGWO		8691,304348			1	A	A08e	19429A08e	EGWO					9,442.146			
7391,250134	4372,186936		19429A08e	STWO	41	7391,250134	4418,220914		53	A	A08e	19429A08e	STWO	42	40	-2	-1	7,859.686	4,412.051	-1.55	-1.7
7050,067769	3669,674942		19445A04e	EGWO	41	7050,067769	4329,10235		2	A	A04e	19445A04e	EGWO	47	48	1	-6	6,277.225	3,567.125	0.55	-5.5
6924,617205	4043,792297		19445A04e	STWO	44	6924,617205	3160,924521		16	A	A04e	19445A04e	STWO	44	41	-3	0	6,277.225	3,989.588	-3.65	-1.7
6864,169577	4100,825279		19453A01f	STWO	36	6864,169577	3515,948084		4	A	A01f	19453A01f	STWO	43	39	-4	-7	6,277.225	3,989.588	-3.65	-5.5
8492,130315	3866,533021		19461A02a	EGWO	49	8492,130315	3761,398741		15	A	A02a	19461A02a	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7860,083623	4436,366893		19461A02a	STWO	49	7860,083623	3836,986142		236	A	A02a	19461A02a	STWO	49	45	-4	0	7,859.686	4,412.051	-3.65	-1.7
7615,203867	3943,993634		19461A02b	EGWO	49	7615,203867	3736,502288		8	A	A02b	19461A02b	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
8057,326418	4507,529883		19461A02b	STWO	49	8057,326418	4083,845447		203	A	A02b	19461A02b	STWO	49	45	-4	0	7,859.686	4,412.051	-3.65	-1.7
8192,944932	3810,481041		19461A02c	EGWO	49	8192,944932	3612,981193		24	A	A02c	19461A02c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7911,971161	4512,041276		19461A02c	STWO	49	7911,971161	4095,859469		255	A	A02c	19461A02c	STWO	49	44	5	0	7,859.686	4,412.051	5.75	1.7
7683,382576	3708,179229		19461A02d	EGWO	49	7683,382576	3554,74807		10	A	A02d	19461A02d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8002,999576	4444,308786		19461A02d	STWO	49	8002,999576	3910,659186		130	A	A02d	19461A02d	STWO	49	45	-4	0	7,859.686	4,412.051	-3.65	-1.7
8777,20871	4224,916529		19461A03a	EGWO	49	8777,20871	3620,237228		14	A	A03a	19461A03a	EGWO			49		9,442.146	4,412.051		
7883,249964	4515,122953		19461A03a	STWO	47	7883,249964	4244,602076		179	A	A03a	19461A03a	STWO	48	43	-5	-1	7,859.686	4,412.051	-5.75	-1.7
7887,910548	3454,5179		19461A03b	EGWO		7887,910548	3495,378567		3	A	A03b	19461A03b	EGWO					7,859.686	3,567.125		
8327,739145	4466,487986		19461A03b	STWO	49	8327,739145	3789,389994		18	A	A03b	19461A03b	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
9522,648762	4322,397597		19461A03c	EGWO	49	9522,648762	3829,774948		21	A	A03c	19461A03c	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
8455,61645	4615,190537		19461A03c	STWO	49	8455,61645	4208,575237		167	A	A03c	19461A03c	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
9503,701488	4045,886555		19461A03d	EGWO	49	9503,701488	3843,392181		37	A	A03d	19461A03d	EGWO					9,442.146	3,989.588		
8398,826268	4638,850418		19461A03d	STWO	49	8398,826268	4200,124157		181	A	A03d	19461A03d	STWO	49	46	-3	0	7,859.686	4,834.514	-3.65	-1.7
8230,79255	3665,765434		19461A03g	EGWO	49	8230,79255	3594,175486		7	A	A03g	19461A03g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7701,932933	4463,755268	[redacted]	19461A03g	STWO	45	7701,932933	4250,408098	[redacted]	76	A	A03g	19461A03g	STWO	47	42	-5	-2	7,859.686	4,412.051	-5.75	-1.7

2734,669972	3319,759364	[redacted]	19488T94f	STWO	5	2734,669972	3502,241477	[redacted]	149	T	T94f	19488T94f	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
4228,723404	2891,440787		19526F78d	EGWO	31	4228,723404	2929,594625		2	F	F78d	19526F78d	EGWO	28	31	3	3	4,694.765	2,722.199	2.65	2.1
4041,320138	3730,386341		19534N68c	STWO	6	4041,320138	4158,16611		45	N	N68c	19534N68c	STWO	11	8	-3	-5	4,694.765	3,567.125	-3.65	-5.5
4359,079791	3034,953054		19542N67a	EGWO	34	4359,079791	2957,791251		17	N	N67a	19542N67a	EGWO	32	35	3	2	4,694.765	3,144.662	2.65	2.1
7235,103126	3986,545602		19607N73h	EGWO	41	7235,103126	4125,278235		22	N	N73h	19607N73h	EGWO	40	43	3	1	7,859.686	3,989.588	2.65	2.1
8206,01622	3956,914556		19615A03a	STWO	49	8206,01622	4132,02083		18	A	A03a	19615A03a	STWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7513,339727	4403,583027		19615A03a	STWO	44	7513,339727	4212,961569		160	A	A03a	19615A03a	STWO	43	41	-2	1	7,859.686	4,412.051	-1.55	2.1
8820,947664	3929,103715		19615A03c	EGWO	49	8820,947664	4143,061283		36	A	A03c	19615A03c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7597,85828	4449,299907		19615A03c	STWO	46	7597,85828	4173,579285		211	A	A03c	19615A03c	STWO	45	42	-3	1	7,859.686	4,412.051	-3.65	2.1
8799,404915	3917,948091		19615A03d	EGWO	49	8799,404915	3883,806896		17	A	A03d	19615A03d	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7823,433158	4510,005752		19615A03d	STWO	47	7823,433158	4161,229168		182	A	A03d	19615A03d	STWO	45	42	-3	2	7,859.686	4,412.051	-3.65	2.1
8474,463457	4285,209024		19615A03g	EGWO	49	8474,463457	4298,327167		6	A	A03g	19615A03g	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
7209,616805	4375,697135		19615A03g	STWO	44	7209,616805	4024,629286		60	A	A03g	19615A03g	STWO	43	39	-4	1	7,859.686	4,412.051	-3.65	2.1
5599,278843	2827,296762		19704K90c	EGWO	49	5599,278843	2400,784885		27	K	K90c	19704K90c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5576,781762	3855,749972		19712K90a	STWO	31	5576,781762	3858,637601		66	K	K90a	19712K90a	STWO	34	31	-3	-3	6,277.225	3,989.588	-3.65	-1.7
4361,100597	3577,133242		19755N61b	STWO	34	4361,100597	2862,416325		54	N	N61b	19755N61b	STWO	27	17	-10	7	4,694.765	3,567.125	-9.95	5.9
6320,715762	4163,59189		19763E37f	STWO	48	6320,715762	3271,670404		321	E	E37f	19763E37f	STWO	37	34	-3	11	6,277.225	3,989.588	-3.65	9.7
2779,949367	2992,747778		19771T94n	STWO	5	2779,949367	2978,819319		357	T	T94n	19771T94n	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6850,784418	4229,342269		19798K52d	STWO	49	6850,784418	3477,539087		84	K	K52d	19798K52d	STWO	38	38	0	11	6,277.225	4,412.051	0.55	9.7
6771,528708	4144,30764		19798K54c	STWO	49	6771,528708	3317,355159		223	K	K54c	19798K54c	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
7332,777101	4510,449346		19801E17a	STWO	49	7332,777101	3651,26602		135	E	E17a	19801E17a	STWO	40	38	-2	9	7,859.686	4,412.051	-1.55	9.7
6931,791451	4367,425371		19801E18b	STWO	48	6931,791451	3574,301435		397	E	E18b	19801E18b	STWO	39	37	-2	9	6,277.225	4,412.051	-1.55	9.7
7663,559877	4564,485621		19801E19a	STWO	49	7663,559877	3785,12534		154	E	E19a	19801E19a	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
5772,628542	3917,611102		19801E19b	STWO	41	5778,966061	3289,129035		229	E	E19b	19801E19b	STWO	33	32	-1	8	6,277.225	3,989.588	-1.55	9.7
7034,290165	4428,546436		19801E19c	STWO	49	7034,290165	3599,047893		71	E	E19c	19801E19c	STWO	40	37	-3	9	6,277.225	4,412.051	-3.65	9.7
6252,604744	4222,899606		19828A05d	STWO	38	6252,604744	4160,905438		8	A	A05d	19828A05d	STWO	38	35	-3	0	6,277.225	4,412.051	-3.65	-1.7
6886,301589	4691,206867		19836A05c	STWO	39	6886,301589	4321,558196		4	A	A05c	19836A05c	STWO	42	38	-4	-3	6,277.225	4,834.514	-3.65	-1.7
6153,284672	3471,75227		19852A09c	EGWO		6153,284672	4535,490311		1	A	A09c	19852A09c	EGWO					6,277.225	3,567.125		
5752,693038	4072,564959		19852A09c	STWO	26	5752,693038	3950,930852		88	A	A09c	19852A09c	STWO	30	29	-1	-4	6,277.225	3,989.588	-1.55	-5.5
5011,725707	3599,701122		19860N65b	EGWO	31	5011,725707	3464,260422		20	N	N65b	19860N65b	EGWO	25	28	3	6	4,694.765	3,567.125	2.65	5.9
4043,7415	3348,236548		19879F82d	STWO	21	4043,7415	3261,724107		81	F	F82d	19879F82d	STWO	20	17	-3	1	4,694.765	3,144.662	-3.65	2.1
4742,206687	2722,788039		19909N71c	EGWO	37	4742,206687	2985,851176		18	N	N71c	19909N71c	EGWO	40	43	3	-3	4,694.765	2,722.199	2.65	-1.7
5141,212142	3630,348009		19909N71c	STWO	45	5141,212142	2534,845918		24	N	N71c	19909N71c	STWO	31	29	-2	14	4,694.765	3,567.125	-1.55	13.5
7583,941606	3767,796029		19968A04e	EGWO	41	7583,941606	4491,416968		1	A	A04e	19968A04e	EGWO	47	48	1	-6	7,859.686	3,567.125	0.55	-5.5
3546,519304	3251,419388		19976T94n	STWO	7	3546,519304	3372,248558		486	T	T94n	19976T94n	STWO	10	9	-1	-3	3,112.304	3,144.662	-1.55	-1.7
5499,449051	3563,824315		19984N65b	EGWO	33	5499,449051	3540,594584		33	N	N65b	19984N65b	EGWO	29	33	4	4	6,277.225	3,567.125	4.75	2.1
6800,755278	4110,684734		20001A07c	STWO	37	6800,755278	3521,849752		3	A	A07c	20001A07c	STWO	41	38	-3	-4	6,277.225	3,989.588	-3.65	-5.5
2701,847766	3260,164187		20044T94f	STWO	5	2701,847766	3482,931409		149	T	T94f	20044T94f	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6813,713001	4207,641623		20095A00c	EGWO	35	6813,713001	4319,051741		2	A	A00c	20095A00c	EGWO	44	47	3	-9	6,277.225	4,412.051	2.65	-9.3
6854,837589	4364,01565		20095A00c	STWO	31	6854,837589	4761,414503		26	A	A00c	20095A00c	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7068,2647	4471,439352		20095A00e	STWO	31	7068,2647	4932,07462		15	A	A00e	20095A00e	STWO	42	37	-5	-11	6,277.225	4,412.051	-5.75	-9.3
6714,856542	3354,77398		20095A04h	EGWO	47	6714,856542	3291,737683		7	A	A04h	20095A04h	EGWO	48	49	1	-1	6,277.225	3,144.662	0.55	-1.7
7474,201335	4476,259222		20095A04h	STWO	39	7474,201335	4584,505166		132	A	A04h	20095A04h	STWO	43	40	-3	-4	7,859.686	4,412.051	-3.65	-5.5
7240,183793	4370,911062		20109A04h	STWO	40	7240,183793	4736,602241		2	A	A04h	20109A04h	STWO	42	39	-3	-2	7,859.686	4,412.051	-3.65	-1.7
6077,994445	3868,214447		20117E13d	STWO	45	6077,994445	2939,697603		73	E	E13d	20117E13d	STWO	40	36	-4	5	6,277.225	3,989.588	-3.65	5.9
6603,315899	4032,727402		20117E13e	STWO	49	6603,315899	3184,077995		38	E	E13e	20117E13e	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
4279,455185	3547,155539		20133N61b	STWO	33	4279,455185	2857,097201		32	N	N61b	20133N61b	STWO	27	17	-10	6	4,694.765	3,567.125	-9.95	5.9
4284,687145	3620,745028		20141N61b	STWO	31	4284,687145	2951,105627		38	N	N61b	20141N61b	STWO	27	17	-10	4	4,694.765	3,567.125	-9.95	2.1
5496,726111	3261,226693		20192A00c	EGWO	35	5496,726111	3896,087175		4	A	A00c	20192A00c	EGWO	44	47	3	-9	6,277.225	3,144.662	2.65	-9.3
6394,745391	4237,515266		20192A00c	STWO	32	6394,745391	4305,279666		45	A	A00c	20192A00c	STWO	38	34	-4	-6	6,277.225	4,412.051	-3.65	-5.5
5201,276882	2769,099969		20206N70b	EGWO	49	5201,276882	2631,529939		24	N	N70b	20206N70b	EGWO	39	46	7	10	4,694.765	2,722.199	6.85	9.7
6331,305479	4281,982907		20214A01b	STWO	31	6343,350543	4317,908897		57	A	A01b	20214A01b	STWO	41	37	-4	-10	6,277.225	4,412.051	-3.65	-9.3
7397,943959	4726,794456		20249A01c	STWO	28	7397,943959	5620,03675		16	A	A01c	20249A01c	STWO	38	34	-4	-10	7,859.686	4,834.514	-3.65	-9.3
7246,386665	4440,9117		20249A01e	STWO	32	7246,386665	4697,6634		7	A	A01e	20249A01e	STWO	40	36	-4	-8	7,859.686	4,412.051	-3.65	-9.3
4911,623681	3344,15259		20257N65b	EGWO	33	4914,314756	3270,806437		249	N	N65b	20257N65b	EGWO	29	32	3	4	4,694.765	3,144.662	2.65	2.1
4421,903464	2814,459112		20257N66b	STWO	28	4421,903464	2941,756728		23	N	N66b	20257N66b	EGWO	29	32	3	-1	4,694.765	2,722.199	2.65	-1.7
4174,670325	3512,950441		20257N66b	STWO	32	4174,670325	2818,843335		7	N	N66b	20257N66b	STWO	21	16	-5	11	4,694.765	3,567.125	-5.75	9.7
6699,714478	4283,314215		20273A06g	STWO	41	6699,714478	3654,252769		5	A	A06g	20273A06g	STWO	43	41	-2	-2	6,277.225	4,412.051	-1.55	-1.7
4977,992571	3880,159757		20281F87a	STWO	26	4977,992571	3693,078688		811	F	F87a	20281F87a	STWO	25	22	-3	1	4,694.765	3,989.588	-3.65	2.1
9870,820669			20338K46a	EGWO	49	9870,820669			2	K	K46a	20338K46a	EGWO					9,442.146			
7892,177029	4272,968716		20338K46a	STWO	49	7892,177029	2860,231408		93	K	K46a	20338K46a	STWO					7,859.686	4,412.051		
7818,068457			20338K46b	EGWO		7818,068457			7	K	K46b	20338K46b	EGWO					7,859.686			
7477,482527	4225,660518		20338K46b	STWO	49	7477,482527	2837,959784		143	K	K46b	20338K46b	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
10569,92209			20338K46c	EGWO		10569,92209			4	K	K46c	20338K46c	EGWO					11,024.607			
7587,868941	4121,172968		20338K46c	STWO	49	7587,868941	2711,056668		181	K	K46c	20338K46c	STWO					7,859.686	3,989.588		
10081,33069	3898,714917		20338K47d	EGWO	49	10081,33069	3488,087661		2	K	K47d	20338K47d	EGWO					9,442.146	3,989.588		
8032,821268	4258,979122		20338K47d	STWO	49	8032,821268	2887,24405		14	K	K47d	20338K47d	STWO					7,859.686	4,412.051		
11430,39456			20354K46c	EGWO		11430,39456	2983,1219		10	K	K46c	20354K46c	EGWO					11,024.607			
8306,647262	4134,509911		20354K46c	STWO	49	8306,647262	2598,516609		34	K	K46c	20354K46c	STWO					7,859.686	3,989.588		
6342,105263	4115,560327		20362A03f	STWO	35	6342,105263	4383,7497		1	A	A03f	20362A03f	STWO	42	38	-4	-7	6,277.225	3,989.588	-3.65	-5.5
6927,132154	3551,925076		20370A04e	EGWO	41	6927,132154	4189,050367		3	A	A04e	20370A04e	EGWO	47	48	1	-6	6,277.225	3,567.125	0.55	-5.5
6914,681915	4387,022692		20370A04e	STWO	34	6914,681915	4591,81367		31	A	A04e	20370A04e	STWO	38	36	-2	-4	6,277.225	4,412.051	-1.55	-5.5
4373,54901	2632,735752		20397N70a	EGWO	46	4373,54901	2379,228889		9	N	N70a	20397N70a	EGWO	39	40	1	7	4,694.765	2,722.199	0.55	5.9
4295,454545	3403,931163		20397N70a	STWO	16	4295,454545	2479,124351		8	N	N70a	20397N70a	STWO	15	17	2	1	4,694.765	3,567.125	2.65	2.1
4894,644959	2987,235202		20397N70b	EGWO	40	4894,644959	3189,13653		12	N	N70b	20397N70b	EGWO	38	39	1	2	4,694.765	3,144.662	0.55	2.1
4722,846793	3506,065275		20397N70b	STWO	33	4722,846793	2716,264856		48	N	N70b	20397N70b	STWO	23	26	3	10	4,694.765	3,567.125	2.65	9.7
3954,155621	3267,445702		20400F82d	EGWO	23	3954,155621	2376,760505		26	F	F82d	20400F82d	STWO	16	17	1	7	4,694.765	3,144.662	0.55	5.9
5474,974209	3626,417911		20427N60c	EGWO	37	5474,974209	3456,29104		58	N	N60c	20427N60c	EGWO	32	34	2	5	4,694.765	3,567.125	2.65	5.9
8905,303807	4136,783436		20451A02a	EGWO	49	8905,303807	4461,237362		10	A	A02a	20451A02a	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8341,113172	4719,089503		20451A02a	STWO	42	8341,113172	4877,329996		12	A	A02a	20451A02a	STWO	46	42	-4	-4	7,859.686	4,834.514	-3.65	-5.5
6329,603819	3978,043325		20478E75a	STWO	49	6329,603819	3074,973086		59	E	E75a	20478E75a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6594,450447	4177,523265		20508E16a	STWO	49	6594,450447	3313,06555		102	E	E16a	20508E16a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6742,846636	3723,025231		20516M57a	EGWO	49	6742,846636	3261,076318		6	M	M57a	20516M57a	EGWO	44	45	1	5	6,277.225	3,567.125	0.55	5.9
2707,06093	3264,309897		20524T94f	STWO	5	2707,06093	3486,654457		149	T	T94f	20524T94f	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
5267,925684	3814,291428		20532K90c	STWO	31	5267,925684	3673,677543		41	K	K90c	20532K90c	STWO	32	28	-4	-1	4,694.765	3,989.588	-3.65	-1.7
6688,498325	4308,117265		20540N60a	EGWO	39	6688,498325	3989,530832		19	N	N60a	20540N60a	EGWO	33	35	2	6	6,277.225	4,412.051	2.65	5.9
6667,74788	4129,506771		20559K44d	STWO	49	6667,74788	3252,550924		62	K	K44d	20559K44d	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
6750,831784	4237,602053		20567K54a	STWO	48	6750,831784	3480,29022		248	K	K54a	20567K54a	STWO	40	37	-3	8	6,277.225	4,412.051	-3.65	9.7
7726,49638	4079,91187		20575A06a	EGWO	40	7726,49638	4481,14715		3	A	A06a	20575A06a	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
7235,07085	4366,086874		20575A06a	STWO	40	7235,07085	4161,202309		2	A	A06a	20575A06a	STWO	43	40	-3	-3	7,859.686	4,412.051	-3.65	-1.7
6762,688098	3264,089346		20591A04d	EGWO	46	6762,688098	3591,938385		6	A	A04d	20591A04d	EGWO	49	49	0	-3	6,277.225	3,144.662	0.55	-1.7
6751,459248	4257,008415		20591A04d	STWO	37	6751,459248	4307,941522		54	A	A04d	20591A04d	STWO	40	37	-3	-3	6,277.225	4,412.051	-3.65	-1.7
5046,040339	3784,176057		20605N61b	STWO	39	5046,040339	3081,742793		18	N	N61b	20605N61b	STWO	28	25	-3	11	4,694.765	3,989.588	-3.65	9.7
5543,323871	2985,786665		20613M30a	EGWO	49	5543,323871	2804,102085		29	M	M30a	20613M30a	EGWO	45	46	1	4	6,277.225	3,144.662	0.55	2.1
5802,982626	3977,670809		20613M30a	STWO	44	5802,982626	3240,450709		67	M	M30a	20613M30a	STWO	34	31	-3	10	6,277.225	3,989.588	-3.65	9.7
5773,770789	4133,491458		20621A09e	STWO	24	5773,770789	4289,413494		34	A	A09e	20621A09e	STWO	31	28	-3	-7	6,277.225	3,989.588	-3.65	-5.5
2708,932791	3262,873883		20648T94f	STWO	5	2708,932791	3484,100872		149	T	T94f	20648T94f	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6520,961643	4164,34631		20656M32a	STWO	42	6520,961643	3479,367791		8	M	M32a	20656M32a	STWO	37	36	-1	5	6,277.225	3,989.588	-1.55	5.9
6600,617308	4158,608116		20656M32b	STWO	45	6600,617308	3474,682811		87	M	M32b	20656M32b	STWO	39	37	-2	6	6,277.225	3,989.588	-1.55	5.9
7182,287785	4110,091769		20664K52a	STWO	49	7182,287785	3111,99905		112	K	K52a	20664K52a	STWO	45	42	-3	4	7,859.686	3,989.588	-3.65	2.1
4783,926662	4079,44091		20680E37c	STWO	34	4783,926662	3509,501867		5	E	E37c	20680E37c	STWO	30	23	-7	4	4,694.765	3,989.588	-7.85	2.1
6052,726716	4056,825665		20702A00c	STWO	30	6052,726716	3527,993292		2	A	A00c	20702A00c	STWO	39	35	-4	-9	6,277.225	3,989.588	-3.65	-9.3
6761,012583	4155,538883		20710K54c	STWO	49	6761,012583	3324,953421		161	K	K54c	20710K54c	STWO	41	38	3	8	6,277.225	3,989.588	3.65	9.7
4490,905947	3557,109169		20729F77a	STWO	17	4490,905947	3639,800405		46	F	F77a	20729F77a	STWO	17	18	1	0	4,694.765	3,567.125	0.55	-1.7
7710,29283	3660,528087		20737A04e	EGWO	44	7710,29283	4133,337012		7	A	A04e	20737A04e	EGWO	49	49	0	-5	7,859.686	3,567.125	0.55	-5.5
6951,367893	4414,305231		20737A04e	STWO	39	6951,367893	4540,696931		60	A	A04e	20737A04e	STWO	39	36	-3	0	6,277.225	4,412.051	-3.65	-1.7
6536,363636	4026,913181		20745A01g	STWO	33	6536,363636	3529,6089		1	A	A01g	20745A01g	STWO		38			6,277.225	3,989.588		
3729,98387	4099,69609		20761E40c	STWO	49	3729,98387	2997,363237		54	E	E40c	20761E40c	STWO	40	36	-4	9	3,112.304	3,989.588	-3.65	9.7
7372,570294	4474,342138		20788A08b	STWO	36	7372,570294	4765,392543		22	A	A08b	20788A08b	STWO	40	39	-1	-4	7,859.686	4,412.051	-1.55	-5.5
6655,764533	4261,69599		20796E18a	STWO	49	6655,764533	3471,501437		29	E	E18a	20796E18a	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
7302,674923	4020,095649		20818A04e	EGWO	41	7302,674923	4611,0516		5	A	A04e	20818A04e	EGWO	47	45	-2	-6	7,859.686	3,989.588	-1.55	-5.5
6097,71667	4139,80471		20818A04e	STWO	37	6097,71667	3891,599382		11	A	A04e	20818A04e	STWO	35	31	-4	2	6,277.225	3,989.588	-3.65	2.1
7127,777778	4860,933623		20826N60a	EGWO	36	7127,777778	4355,517661		3	N	N60a	20826N60a	EGWO	32	34	2	7	7,859.686	4,834.514	2.65	5.9
7513,513514	4345,417201		20842A04e	EGWO	41	7513,513514			1	A	A04e	20842A04e	EGWO	47	48	1	-6	7,859.686	4,412.051	0.55	-5.5
6968,915344	4240,373894	[redacted]	20842A04e	STWO	39	6968,915344	4440,6775	[redacted]	2	A	A04e	20842A04e	STWO	39	36	-3	0	6,277.225	4,412.051	-3.65	-1.7

7157,407407	3864,934282	[redacted]	20850A04e	EGWO	41	7157,407407	4578,6368	[redacted]	1	A	A04e	20850A04e	EGWO	47	48	1	-6	7,859.686	3,989.588	0.55	-5.5
7015,472435	4222,112338		20850A04e	STWO	39	7015,472435	4127,905691		24	A	A04e	20850A04e	STWO	38	36	-2	1	6,277.225	4,412.051	-1.55	2.1
6207,894737	4132,009668		20869A01b	STWO	31	6207,894737	4478,53735		2	A	A01b	20869A01b	STWO	41	37	-4	-10	6,277.225	3,989.588	-3.65	-9.3
4830,769231			20869A01d	EGWO	30	4830,769231			1	A	A01d	20869A01d	EGWO	43	44	1	-13	4,694.765		0.55	-13.1
7409,672178	4800,101734		20869A01d	STWO	28	7409,672178	5695,151975		8	A	A01d	20869A01d	STWO	42	35	-7	-14	7,859.686	4,834.514	-7.85	-13.1
7517,879418	3577,394067		20877A04e	EGWO	41	7517,879418	3426,3837		2	A	A04e	20877A04e	EGWO	47	48	1	-6	7,859.686	3,567.125	0.55	-5.5
7166,941392	4282,245778		20877A04e	STWO	39	7166,941392	3893,94192		5	A	A04e	20877A04e	STWO	39	36	-3	0	7,859.686	4,412.051	-3.65	-1.7
7315,622061	3935,261992		20885A04e	EGWO	38	7315,622061	4506,699604		9	A	A04e	20885A04e	EGWO	47	47	0	-9	7,859.686	3,989.588	0.55	-9.3
6996,680104	4347,024755		20885A04e	STWO	34	6996,680104	4849,204057		19	A	A04e	20885A04e	STWO	38	36	-2	-4	6,277.225	4,412.051	-1.55	-5.5
9230,769231			20893A01b	EGWO	24	9230,769231			1	A	A01b	20893A01b	EGWO	38	43	5	-14	9,442.146		4.75	-13.1
7216,333845	4425,320363		20893A01b	STWO	31	7216,333845	4843,679765		2	A	A01b	20893A01b	STWO	41	37	-4	-10	7,859.686	4,412.051	-3.65	-9.3
5841,666667	3540,466666		20893A01d	EGWO	30	5841,666667	4476,9046		1	A	A01d	20893A01d	EGWO	43	44	1	-13	6,277.225	3,567.125	0.55	-13.1
7346,410489	4475,340525		20893A01d	STWO	30	7346,410489	5198,087268		7	A	A01d	20893A01d	STWO	41	37	-4	-11	7,859.686	4,412.051	-3.65	-9.3
7470,380986	3752,927284		20907A07a	EGWO	46	7470,380986	4330,3337		3	A	A07a	20907A07a	EGWO	49	49	0	-3	7,859.686	3,567.125	0.55	-1.7
7301,455416	4462,937114		20907A07a	STWO	44	7301,455416	4085,663282		52	A	A07a	20907A07a	STWO	42	38	-4	2	7,859.686	4,412.051	-3.65	2.1
8742,624357	4193,201976		20907A07c	EGWO	49	8742,624357	4580,1468		2	A	A07c	20907A07c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7135,182558	4497,963841		20907A07c	STWO	34	7135,182558	4674,192647		131	A	A07c	20907A07c	STWO	39	36	-3	-5	7,859.686	4,412.051	-3.65	-5.5
7033,095238	4468,677299		20915A01d	STWO	33	7033,095238	4832,410783		3	A	A01d	20915A01d	STWO	42	38	-4	-9	6,277.225	4,412.051	-3.65	-9.3
6520,770158	3999,640878		20958K53b	STWO	49	6520,770158	3177,005611		22	K	K53b	20958K53b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
5886,434109	4010,119997		20966A00a	STWO	30	5886,434109	3955,6004		2	A	A00a	20966A00a	STWO	38	35	-3	-8	6,277.225	3,989.588	-3.65	-9.3
6753,867589	4308,036487		20966A00c	STWO	32	6753,867589	4608,770602		8	A	A00c	20966A00c	STWO	40	36	-4	-8	6,277.225	4,412.051	-3.65	-9.3
6962,919347	4036,787576		20974M58g	STWO	49	7063,720883	3390,515149		74	M	M58g	20974M58g	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
5261,904762	3785,154906		20982N71c	STWO	40	5261,904762	3533,68		1	N	N71c	20982N71c	STWO	31	30	-1	9	4,694.765	3,989.588	-1.55	9.7
5891,304348			20990A05b	EGWO	40	5891,304348	3353,6036		1	A	A05b	20990A05b	EGWO	46	47	1	-6	6,277.225		0.55	-5.5
7723,086461	4516,455239		20990A05b	STWO	41	7723,086461	4663,239559		50	A	A05b	20990A05b	STWO	44	42	-2	-3	7,859.686	4,412.051	-1.55	-1.7
6715,521272	3088,235325		20990A05c	EGWO	38	6715,521272	3685,8775		2	A	A05c	20990A05c	EGWO	43	45	2	-5	6,277.225	3,144.662	2.65	-5.5
6789,940874	4209,779801		20990A05c	STWO	42	6789,940874	3968,164579		57	A	A05c	20990A05c	STWO	39	37	-2	3	6,277.225	4,412.051	-1.55	2.1
5821,439039	4596,745383		21008A03f	STWO	35	5821,439039	4824,582467		8	A	A03f	21008A03f	STWO	41	38	-3	-6	6,277.225	4,412.051	-3.65	-5.5
7136,640619	3420,454381		21024E18a	EGWO	49	7136,640619	3109,22705		8	E	E18a	21024E18a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6344,426407	4251,608875		21040A00a	STWO	30	6344,426407	4736,8725		2	A	A00a	21040A00a	STWO	38	35	-3	-8	6,277.225	4,412.051	-3.65	-9.3
6240	3978,041245		21040A00c	STWO	30	6240	3620,826315		1	A	A00c	21040A00c	STWO	39	35	-4	-9	6,277.225	3,989.588	-3.65	-9.3
7538,72088	4474,894845		21059K25b	STWO	49	7538,72088	3480,263706		11	K	K25b	21059K25b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
8478,792779			21067K47c	STWO		8478,792779			11	K	K47c	21067K47c	STWO					7,859.686			
7294,083782	4198,569911		21075N61c	EGWO	49	7294,083782	3651,324109		11	N	N61c	21075N61c	EGWO	41	41	0	8	7,859.686	3,989.588	0.55	9.7
3733,100523	2477,591001		21091F83a	EGWO	35	3733,100523	2396,591839		55	F	F83a	21091F83a	EGWO	31	33	2	4	3,112.304	2,299.736	2.65	2.1
2720,54154	3209,608563		21091F83a	STWO	5	2720,54154	3017,558722		93	F	F83a	21091F83a	STWO	7	5	-2	-2	3,112.304	3,144.662	-1.55	-1.7
6435,187112	4062,886746		21113M30a	STWO	48	6435,187112	3185,116874		39	M	M30a	21113M30a	STWO	38	36	-2	10	6,277.225	3,989.588	-1.55	9.7
6480,156143	4048,776634		21113M30b	STWO	49	6480,156143	3198,145298		6	M	M30b	21113M30b	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
6124,892986	4075,455658		21121M30a	STWO	45	6124,892986	3361,217977		71	M	M30a	21121M30a	STWO	38	33	-5	7	6,277.225	3,989.588	-5.75	5.9
4824,834702	3300,081539		21148N65c	EGWO	30	4824,834702	3319,965864		20	N	N65c	21148N65c	EGWO	29	31	2	1	4,694.765	3,144.662	2.65	2.1
7025,641026	3884,959194		21156M55g	EGWO	49	7025,641026	4536,7342		1	M	M55g	21156M55g	EGWO	47	49	2	2	6,277.225	3,989.588	2.65	2.1
6094,599821			21156M55h	EGWO	49	6094,599821			2	M	M55h	21156M55h	EGWO		49			6,277.225			
5329,545455	3635,298196		21156M55h	STWO	41	5329,545455	2636,1096		2	M	M55h	21156M55h	STWO	31	31	0	10	4,694.765	3,567.125	0.55	9.7
6136,379755	3816,672656		21156M56c	STWO	49	6136,379755	2625,133463		8	M	M56c	21156M56c	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
12293,33333			21156M56d	EGWO		12293,33333			1	M	M56d	21156M56d	EGWO					12,607.067			
5695,097665	3669,808174		21156M56d	STWO	43	5695,097665	2538,997886		36	M	M56d	21156M56d	STWO	35	35	0	8	6,277.225	3,567.125	0.55	9.7
6684,546616	3730,03873		21156M57b	EGWO		6684,546616	3716,848163		3	M	M57b	21156M57b	EGWO					6,277.225	3,567.125		
2715,343319	2966,552796		21172T94n	STWO	5	2715,343319	2986,470866		358	T	T94n	21172T94n	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6928,277443	4230,600804		21180K54c	STWO	49	6928,277443	3442,767035		148	K	K54c	21180K54c	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
6630,645234	4240,035984		21199A00d	STWO	37	6630,645234	4202,134071		10	A	A00d	21199A00d	STWO	42	38	-4	-5	6,277.225	4,412.051	-3.65	-5.5
6443,75	3327,603399		21202K25a	EGWO	43	6443,75	3797,0279		1	K	K25a	21202K25a	EGWO	46	48	2	-3	6,277.225	3,144.662	2.65	-1.7
7595,58581	4420,330903		21202K25a	STWO	49	7595,58581	3663,282938		147	K	K25a	21202K25a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
6848,90873	3538,129134		21202K25b	EGWO		6848,90873	3930,10705		2	K	K25b	21202K25b	EGWO					6,277.225	3,567.125		
7907,008276	4561,980363		21202K25b	STWO	49	7907,008276	3905,993074		125	K	K25b	21202K25b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
4565,999625	2702,022613		21210N70b	EGWO	47	4565,999625	2419,677647		17	N	N70b	21210N70b	EGWO	38	41	3	9	4,694.765	2,722.199	2.65	9.7
6356,761269	3775,754775		21229N62b	EGWO	42	6356,761269	3678,372578		32	N	N62b	21229N62b	EGWO	35	40	5	7	6,277.225	3,567.125	4.75	5.9
6941,386244	4085,488959		21245E17a	STWO	49	6941,386244	2978,097668		7	E	E17a	21245E17a	STWO	44	41	-3	5	6,277.225	3,989.588	-3.65	5.9
7335,123762	4270,660998		21253E18a	STWO	49	7335,123762	3410,114562		37	E	E18a	21253E18a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7829,88652	4939,234437		21253E18b	STWO	43	7829,88652	4718,979028		22	E	E18b	21253E18b	STWO	36	37	1	7	7,859.686	4,834.514	0.55	5.9
5026,341141	3628,372541		21288F87d	STWO	32	5026,341141	3127,86101		51	F	F87d	21288F87d	STWO	20	20	0	12	4,694.765	3,567.125	0.55	13.5
5119,047619			21296F81c	EGWO	41	5119,047619			1	F	F81c	21296F81c	EGWO	36	41	5	5	4,694.765		4.75	5.9
6967,187253	3560,956411		21318A09i	EGWO	45	6967,187253	3757,305008		11	A	A09i	21318A09i	EGWO	47	49	2	-2	6,277.225	3,567.125	2.65	-1.7
6717,855011	4277,529844		21318A09i	STWO	39	6717,855011	4110,768508		154	A	A09i	21318A09i	STWO	39	37	-2	0	6,277.225	4,412.051	-1.55	-1.7
5643,031001	3259,556768		21342M30b	STWO	45	5643,031001	3752,272232		6	M	M30b	21342M30b	EGWO	44	45	1	1	6,277.225	3,144.662	0.55	2.1
6803,590061	4165,215296		21342M30b	STWO	47	6806,783119	3525,125744		85	M	M30b	21342M30b	STWO	41	39	-2	6	6,277.225	3,989.588	-1.55	5.9
6250,211917	3980,563384		21350M56c	STWO	49	6250,211917	3116,395903		45	M	M56c	21350M56c	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
3913,213977	3412,240778		21369F78c	STWO	11	3913,213977	3479,628215		100	F	F78c	21369F78c	STWO	11	13	2	0	4,694.765	3,567.125	2.65	-1.7
7052,385086	4417,622172		21377M31a	STWO	47	7052,385086	3700,963317		41	M	M31a	21377M31a	STWO	39	37	-2	8	6,277.225	4,412.051	-1.55	9.7
5615,09434	4013,457943		21385M57a	STWO	44	5615,09434	3167,68		4	M	M57a	21385M57a	STWO	29	29	0	15	6,277.225	3,989.588	0.55	13.5
5694,05788			21393K90d	STWO	31	5694,05788	3928,029697		33	K	K90d	21393K90d	STWO	30	25	-5	1	6,277.225		-5.75	2.1
5416,814854	3360,936847		21407N67a	EGWO	34	5416,814854	3567,477787		51	N	N67a	21407N67a	EGWO	33	37	4	1	4,694.765	3,567.125	4.75	2.1
5320,109231	3622,627616		21407N67a	STWO	32	5320,109231	2314,119363		6	N	N67a	21407N67a	STWO	19	18	-1	13	4,694.765	3,567.125	-1.55	13.5
4529,717709	2660,355822		21431N69a	EGWO	46	4529,717709	2448,863529		17	N	N69a	21431N69a	EGWO	39	41	2	7	4,694.765	2,722.199	2.65	5.9
6589,125232	4074,737913		21474A00d	STWO	37	6589,125232	3955,97755		7	A	A00d	21474A00d	STWO	42	38	-4	-5	6,277.225	3,989.588	-3.65	-5.5
8455,362608	4196,476036		21482A02a	EGWO	46	8455,362608	4254,590943		15	A	A02a	21482A02a	EGWO	49	49	0	-3	7,859.686	3,989.588	0.55	-1.7
7632,844388	4623,736454		21482A02a	STWO	41	7632,844388	4796,572839		87	A	A02a	21482A02a	STWO	44	39	-5	-3	7,859.686	4,834.514	-5.75	-1.7
7124,810516	4562,064675		21490M31b	STWO	46	7124,810516	3758,023069		24	M	M31b	21490M31b	STWO	38	36	-2	8	7,859.686	4,412.051	-1.55	9.7
3508,379496	3369,43463		21512F83a	STWO	5	3508,379496	3441,947989		819	F	F83a	21512F83a	STWO	7	5	-2	-2	3,112.304	3,567.125	-1.55	-1.7
6130,775201	4070,830809		21520E38c	STWO	49	6130,775201	3117,359415		161	E	E38c	21520E38c	STWO	36	33	-3	13	6,277.225	3,989.588	-3.65	13.5
6664,974619	2857,989896		21539M56b	EGWO	49	6664,974619	2462,773895		1	M	M56b	21539M56b	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6757,681512	3935,057714		21539M56b	STWO	49	6757,681512	2731,857568		101	M	M56b	21539M56b	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
7647,476497	4096,905257		21547K46a	STWO	49	7647,476497	2503,526122		10	K	K46a	21547K46a	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
5323,643144	3044,104552		21563N60b	EGWO	44	5323,643144	2974,293654		36	N	N60b	21563N60b	EGWO	40	43	3	4	4,694.765	3,144.662	2.65	2.1
5156,765052	3729,246933		21563N60b	STWO	39	5156,765052	3156,514138		28	N	N60b	21563N60b	STWO	26	27	1	13	4,694.765	3,567.125	0.55	13.5
4281,665024	3571,218377		21563N60c	STWO	31	4281,665024	2950,76094		23	N	N60c	21563N60c	STWO	18	16	-2	13	4,694.765	3,567.125	-1.55	13.5
5817,973429	4112,563206		21571E39d	STWO	23	5817,973429	4551,796454		80	E	E39d	21571E39d	STWO	25	21	-4	-2	4,694.765	3,989.588	-3.65	-1.7
8103,725513	3640,746618		21598A06g	EGWO	46	8103,725513	4180,30448		15	A	A06g	21598A06g	EGWO	49	49	0	-1	7,859.686	3,567.125	0.55	-1.7
7777,190038	4592,741311		21598A06g	STWO	43	7777,190038	4515,832054		259	A	A06g	21598A06g	STWO	44	42	-2	-1	7,859.686	4,412.051	-1.55	-1.7
6988,619441	3516,219483		21601A06g	EGWO	42	6988,619441	4151,953467		3	A	A06g	21601A06g	EGWO	49	49	0	-7	6,277.225	3,567.125	0.55	-5.5
7768,013115	4678,277101		21601A06g	STWO	37	7768,013115	4873,223884		192	A	A06g	21601A06g	STWO	42	39	-3	-5	7,859.686	4,834.514	-3.65	-5.5
3288,174302	3245,939809		21660F82c	STWO	9	3288,174302	3204,048617		131	F	F82c	21660F82c	STWO	6	5	-1	3	3,112.304	3,144.662	-1.55	2.1
4476,697957	3735,348965		21687F78c	STWO	13	4476,697957	3922,141687		76	F	F78c	21687F78c	STWO	14	18	4	-1	4,694.765	3,567.125	4.75	-1.7
5867,780749	2973,605525		21717N64c	EGWO	49	5867,780749	2713,61102		34	N	N64c	21717N64c	EGWO	47	49	2	2	6,277.225	3,144.662	2.65	2.1
5109,070246	3698,327845		21733E37c	STWO	38	5109,070246	3171,869167		24	E	E37c	21733E37c	STWO	25	29	4	13	4,694.765	3,567.125	4.75	13.5
4843,132764	3729,096536		21733E39c	STWO	34	4843,132764	3206,083988		148	E	E39c	21733E39c	STWO		28			4,694.765	3,567.125		
4809,992105	3737,454135		21733E39d	STWO	28	4809,992105	3310,156095		73	E	E39d	21733E39d	STWO	26	25	-1	2	4,694.765	3,567.125	-1.55	2.1
7104,961832	3066,352424		21741M27a	EGWO	49	7104,961832	2407,4766		4	M	M27a	21741M27a	EGWO					7,859.686	3,144.662		
6698,022086	4123,49511		21741M27a	STWO	49	6698,022086	3178,320675		21	M	M27a	21741M27a	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
5127,683533	3892,609942		21768N61b	STWO	30	5127,683533	3634,193992		43	N	N61b	21768N61b	STWO	26	23	-3	4	4,694.765	3,989.588	-3.65	2.1
6780,266566	4176,100397		21776K44e	STWO	49	6780,266566	3356,472041		107	K	K44e	21776K44e	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
5809,302326	2670,545734		21784K44e	EGWO	49	5809,302326	2432,5778		1	K	K44e	21784K44e	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
7336,352151	4262,860264		21784K44e	STWO	49	7336,352151	3371,602697		245	K	K44e	21784K44e	STWO	43	42	-1	6	7,859.686	4,412.051	-1.55	5.9
5094,224692	2716,18982		21792F77f	EGWO	38	5094,224692	2639,902692		12	F	F77f	21792F77f	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
3260,869565	3084,602524		21792F77f	STWO	17	3260,869565	2181,24		1	F	F77f	21792F77f	STWO	14	14	0	3	3,112.304	3,144.662	0.55	2.1
5681,170473	3842,933663		21806A00b	STWO	27	5681,170473	3876,847957		7	A	A00b	21806A00b	STWO	37	32	-5	-10	6,277.225	3,989.588	-5.75	-9.3
8399,393935	3705,826763		21814A02d	EGWO	49	8399,393935	3863,328507		15	A	A02d	21814A02d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7608,436245	4363,183596		21814A02d	STWO	48	7608,436245	3937,417828		28	A	A02d	21814A02d	STWO	48	43	-5	0	7,859.686	4,412.051	-5.75	-1.7
8007,962542	3739,297108		21814A03g	EGWO	49	8007,962542	3845,906799		15	A	A03g	21814A03g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7594,722661	4408,116175		21814A03g	STWO	46	7594,722661	4117,205227		28	A	A03g	21814A03g	STWO	45	42	-3	1	7,859.686	4,412.051	-3.65	2.1
7503,670875	3709,756832		21814A06h	EGWO	49	7503,670875	3682,641002		5	A	A06h	21814A06h	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8105,417821	4455,957081		21814A06h	STWO	48	8105,417821	4214,673918		50	A	A06h	21814A06h	STWO	47	45	-2	1	7,859.686	4,412.051	-1.55	2.1
6941,672486	4228,083328		21814A06j	STWO	39	6941,672486	4184,77045		4	A	A06j	21814A06j	STWO	40	36	-4	-1	6,277.225	4,412.051	-3.65	-1.7
8991,934051	4210,042394		21814A07a	EGWO	46	8991,934051	4566,575626		4	A	A07a	21814A07a	EGWO	49	49	0	-3	9,442.146	4,412.051	0.55	-1.7
7367,256639	4358,115225		21814A07a	STWO	43	7367,256639	3919,821228		5	A	A07a	21814A07a	STWO	45	39	-6	-2	7,859.686	4,412.051	-5.75	-1.7
6262,535098	4060,243403		21814A07b	STWO	34	6262,535098	4129,908391		11	A	A07b	21814A07b	STWO	41	35	-6	-7	6,277.225	3,989.588	-5.75	-5.5

6615,286972	4166,332266	[redacted]	21822A06j	STWO	36	6615,286972	4242,688259	[redacted]	81	A	A06j	21822A06j	STWO	42	37	-5	-6	6,277.225	3,989.588	-5.75	-5.5
6550,960312	4031,591535		21822A07b	STWO	36	6550,960312	3941,018467		47	A	A07b	21822A07b	STWO	39	34	-5	-3	6,277.225	3,989.588	-5.75	-1.7
7094,150099	4766,227358		21822A07d	STWO	38	7094,150099	4473,3958		5	A	A07d	21822A07d	STWO	42	38	-4	-4	7,859.686	4,834.514	-3.65	-5.5
8399,074074	4358,261176		21830A07c	EGWO	49	8399,074074	4821,1095		3	A	A07c	21830A07c	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
7101,779967	4474,486603		21830A07c	STWO	38	7101,779967	4438,585448		65	A	A07c	21830A07c	STWO	40	37	-3	-2	7,859.686	4,412.051	-3.65	-1.7
7282,811385	4343,489425		21849A07a	STWO	38	7282,811385	4664,182391		10	A	A07a	21849A07a	STWO	43	39	-4	-5	7,859.686	4,412.051	-3.65	-5.5
6612,423603	4127,074559		21849A07c	STWO	37	6612,423603	3888,482813		8	A	A07c	21849A07c	STWO	42	38	-4	-5	6,277.225	3,989.588	-3.65	-5.5
7146,666667	4302,986009		21849A07d	STWO	41	7146,666667	4419,3625		1	A	A07d	21849A07d	STWO	42	38	-4	-1	7,859.686	4,412.051	-3.65	-1.7
7283,457812	4360,331854		21857A03a	STWO	43	7283,457812	4178,795517		12	A	A03a	21857A03a	STWO	42	40	-2	1	7,859.686	4,412.051	-1.55	2.1
6990,177593	4182,095242		21857A03g	STWO	44	6990,177593	3885,509857		15	A	A03g	21857A03g	STWO	42	39	-3	2	6,277.225	3,989.588	-3.65	2.1
7264,710588	4452,456553		21857A07a	STWO	38	7264,710588	4750,039561		15	A	A07a	21857A07a	STWO	43	39	-4	-5	7,859.686	4,412.051	-3.65	-5.5
6225,524099	4026,123752		21857A07c	STWO	37	6225,524099	3753,307975		4	A	A07c	21857A07c	STWO	41	38	-3	-4	6,277.225	3,989.588	-3.65	-5.5
7126,856315	4268,447603		21865K44b	STWO	49	7132,373887	3446,240037		122	K	K44b	21865K44b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6739,757216	4085,364214		21873K44d	STWO	49	6739,757216	3099,64335		120	K	K44d	21873K44d	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
6694,79073	3994,375134		21881K52d	STWO	49	6694,79073	2907,948306		163	K	K52d	21881K52d	STWO	40	40	0	9	6,277.225	3,989.588	0.55	9.7
6315,470741	3951,267246		21881K54a	STWO	46	6315,470741	3425,628527		42	K	K54a	21881K54a	STWO	40	38	-2	6	6,277.225	3,989.588	-1.55	5.9
7728,43097	3655,72892		21903A02b	EGWO	49	7728,43097	3678,674668		13	A	A02b	21903A02b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8053,371081	4515,55016		21903A02b	STWO	47	8053,371081	4253,295922		99	A	A02b	21903A02b	STWO	49	44	-5	-2	7,859.686	4,412.051	-5.75	-1.7
7440,326439	4054,780806		21954K49d	STWO	49	7440,326439	2622,471422		31	K	K49d	21954K49d	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
8028,706634	4878,51249		21997A08a	STWO	35	8028,706634	5400,078071		15	A	A08a	21997A08a	STWO	41	39	-2	-6	7,859.686	4,834.514	-1.55	-5.5
7530,61391	4561,75664		22004A08a	STWO	43	7530,61391	4324,911621		32	A	A08a	22004A08a	STWO	43	39	-4	0	7,859.686	4,412.051	-3.65	-1.7
5974,285787	3898,098299		22012M33d	STWO	39	5974,285787	3174,216657		49	M	M33d	22012M33d	STWO	38	35	-3	1	6,277.225	3,989.588	-3.65	2.1
4814,708205	3866,438662		22047F76b	STWO	7	4814,708205	4850,225365		56	F	F76b	22047F76b	STWO	12	13	1	-5	4,694.765	3,989.588	0.55	-5.5
6388,976516	4272,637277		22055N60a	EGWO	39	6388,976516	3920,616195		37	N	N60a	22055N60a	EGWO	32	33	1	7	6,277.225	4,412.051	0.55	5.9
7790,419162	3623,83202		22101A07a	EGWO	46	7790,419162	4065,5397		1	A	A07a	22101A07a	EGWO	49	49	0	-3	7,859.686	3,567.125	0.55	-1.7
7966,638105	4753,270821		22101A07a	STWO	43	7966,638105	4567,308445		91	A	A07a	22101A07a	STWO	43	40	-3	0	7,859.686	4,834.514	-3.65	-1.7
7742,144302	3744,720766		22101A07c	EGWO	45	7742,144302	4167,6971		13	A	A07c	22101A07c	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
7243,911852	4515,345257		22101A07c	STWO	35	7243,911852	4708,279223		248	A	A07c	22101A07c	STWO	40	37	-3	-5	7,859.686	4,412.051	-3.65	-5.5
7120,764504	4567,727169		22128A00a	STWO	25	7120,764504	5476,369912		35	A	A00a	22128A00a	STWO	39	34	-5	-14	7,859.686	4,412.051	-5.75	-13.1
6148,161757	4167,034011		22128A00b	STWO	25	6148,161757	4652,367833		21	A	A00b	22128A00b	STWO	36	31	-5	-11	6,277.225	3,989.588	-5.75	-9.3
4264,997835	3057,196253		22136T98a	EGWO	20	4304,353128	3374,762087		39	T	T98a	22136T98a	EGWO	23	27	4	-3	4,694.765	3,144.662	4.75	-1.7
4734,442135	3517,108995		22136T98a	STWO	29	4734,442135	2456,051449		14	T	T98a	22136T98a	STWO	22	24	2	7	4,694.765	3,567.125	2.65	5.9
6514,509786	3915,922609		22144N61c	EGWO	46	6514,509786	3490,132767		32	N	N61c	22144N61c	EGWO	40	40	0	6	6,277.225	3,989.588	0.55	5.9
7134,687021	3503,481875		22179N73b	EGWO	45	7134,687021	3577,344019		17	N	N73b	22179N73b	EGWO	40	45	5	5	7,859.686	3,567.125	4.75	5.9
8469,026549	4091,051838		22217A06a	EGWO	40	8469,026549	4758,313982		1	A	A06a	22217A06a	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
7708,101653	4632,840278		22217A06a	STWO	40	7708,101653	4846,246704		53	A	A06a	22217A06a	STWO	44	41	-3	-4	7,859.686	4,834.514	-3.65	-5.5
7090,83273	3593,335336		22217A06c	EGWO	45	7090,83273	4132,124434		4	A	A06c	22217A06c	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
8044,852654	4527,108954		22217A06c	STWO	40	8044,852654	4833,525757		52	A	A06c	22217A06c	STWO	43	41	-2	-3	7,859.686	4,412.051	-1.55	-1.7
7707,337528	4609,589586		22217A06g	STWO	42	7707,337528	4548,701086		125	A	A06g	22217A06g	STWO	44	41	-3	-2	7,859.686	4,412.051	-3.65	-1.7
8114,850722	4488,99733		22217A06h	STWO	49	8114,850722	3592,275805		53	A	A06h	22217A06h	STWO	46	45	-1	3	7,859.686	4,412.051	-1.55	2.1
9974,576271			22217A06k	EGWO	45	9974,576271			1	A	A06k	22217A06k	EGWO	49	49	0	-4	9,442.146		0.55	-5.5
7796,616464	4586,703588		22217A06k	STWO	43	7796,616464	4602,496972		41	A	A06k	22217A06k	STWO	46	43	-3	-3	7,859.686	4,412.051	-3.65	-1.7
7857,722379	3858,839089		22217A06l	EGWO	43	7857,722379	4526,259159		4	A	A06l	22217A06l	EGWO	49	49	0	-6	7,859.686	3,989.588	0.55	-5.5
8530,954364	4811,700473		22217A06l	STWO	46	8530,954364	4637,430668		46	A	A06l	22217A06l	STWO	46	43	-3	0	7,859.686	4,834.514	-3.65	-1.7
7315,634736	4443,907839		22217A07a	STWO	48	7315,634736	3797,949641		17	A	A07a	22217A07a	STWO	42	39	-3	6	7,859.686	4,412.051	-3.65	5.9
8437,166667	4180,277025		22217A07c	EGWO	49	8437,166667	4607,1234		4	A	A07c	22217A07c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7411,626563	4499,277127		22217A07c	STWO	37	7411,626563	4744,550326		50	A	A07c	22217A07c	STWO	42	39	-3	-5	7,859.686	4,412.051	-3.65	-5.5
9922,519358	4141,519261		22217A07e	EGWO	49	9922,519358	4246,28233		12	A	A07e	22217A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7766,67029	4577,294905		22217A07e	STWO	41	7766,67029	4320,767259		163	A	A07e	22217A07e	STWO	44	41	-3	-3	7,859.686	4,412.051	-3.65	-1.7
7456,129884	4656,550299		22225A01d	STWO	30	7456,129884	5295,647379		12	A	A01d	22225A01d	STWO	40	36	-4	-10	7,859.686	4,834.514	-3.65	-9.3
7693,65963	3359,729302		22233A06g	EGWO	49	7693,65963	3384,524434		8	A	A06g	22233A06g	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7055,576918	4336,127358		22233A06g	STWO	46	7055,576918	3824,425417		8	A	A06g	22233A06g	STWO	42	38	-4	4	6,277.225	4,412.051	-3.65	2.1
6917,461389	4595,376568		22241A09e	STWO	22	6917,461389	5572,109917		28	A	A09e	22241A09e	STWO	33	32	-1	-11	6,277.225	4,412.051	-1.55	-9.3
7323,434055	3673,294721		22322A06a	EGWO	41	7323,434055	4304,513795		6	A	A06a	22322A06a	EGWO	48	49	1	-7	7,859.686	3,567.125	0.55	-5.5
7565,609239	4538,548948		22322A06a	STWO	40	7565,609239	4615,750277		137	A	A06a	22322A06a	STWO	42	40	-2	-2	7,859.686	4,412.051	-1.55	-1.7
7551,067254	3646,748225		22322A06k	EGWO	47	7551,067254	4018,040814		12	A	A06k	22322A06k	EGWO	49	49	0	-2	7,859.686	3,567.125	0.55	-1.7
8077,079913	4667,193397		22322A06k	STWO	40	8077,079913	4813,418887		154	A	A06k	22322A06k	STWO	44	41	-3	-4	7,859.686	4,834.514	-3.65	-5.5
7593,158155	3627,122803		22330A06k	EGWO	46	7593,158155	4012,134387		13	A	A06k	22330A06k	EGWO	49	49	0	-3	7,859.686	3,567.125	0.55	-1.7
7671,669657	4544,444041		22330A06k	STWO	41	7671,669657	4543,72925		73	A	A06k	22330A06k	STWO	44	40	-4	-3	7,859.686	4,412.051	-3.65	-1.7
8002,25777	4098,246827		22349M56a	EGWO	49	8002,25777	4081,897813		19	M	M56a	22349M56a	EGWO	47	49	2	2	7,859.686	3,989.588	2.65	2.1
7596,686047	4429,148447		22349M56a	STWO	49	7596,686047	3585,557562		5	M	M56a	22349M56a	STWO	42	42	0	7	7,859.686	4,412.051	0.55	5.9
6623,732384	2875,412336		22357M56a	EGWO	49	6623,732384	2592,404754		7	M	M56a	22357M56a	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6748,856148	3952,588135		22357M56a	STWO	49	6748,856148	2812,329671		122	M	M56a	22357M56a	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
7736,111111	3684,857014		22365M56a	EGWO	49	7736,111111	3293,486		1	M	M56a	22365M56a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6956,960223	4045,288785		22365M56a	STWO	49	6956,960223	2973,847398		115	M	M56a	22365M56a	STWO	42	42	0	7	6,277.225	3,989.588	0.55	5.9
6456,161134	3171,778459		22373M56a	EGWO	49	6456,161134	3318,638085		9	M	M56a	22373M56a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6627,779147	3976,604438		22373M56a	STWO	49	6627,779147	2879,541238		226	M	M56a	22373M56a	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6506,763287	3035,046513		22373M56b	EGWO	49	6506,763287	3169,557221		17	M	M56b	22373M56b	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6907,408806	4107,683902		22373M56b	STWO	49	6907,408806	3096,19345		58	M	M56b	22373M56b	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
6484,029578	3906,15172		22373M56c	STWO	49	6484,029578	2802,403816		121	M	M56c	22373M56c	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
6024,53705	3944,383631		22403M28c	STWO	49	6024,53705	3047,265604		43	M	M28c	22403M28c	STWO	39	35	-4	10	6,277.225	3,989.588	-3.65	9.7
6483,9221	4049,281275		22403M29a	STWO	48	6483,9221	3208,764495		62	M	M29a	22403M29a	STWO	41	37	-4	7	6,277.225	3,989.588	-3.65	5.9
4793,734513	2668,483104		22403M29b	EGWO		4793,734513	3310,91205		2	M	M29b	22403M29b	EGWO					4,694.765	2,722.199		
6938,246353	4034,008353		22403M29b	STWO	49	6938,246353	3184,045002		183	M	M29b	22403M29b	STWO	41	37	-4	8	6,277.225	3,989.588	-3.65	9.7
6282,265497	4002,956516		22403M29c	STWO	47	6282,265497	3200,733651		36	M	M29c	22403M29c	STWO	40	36	-4	7	6,277.225	3,989.588	-3.65	5.9
6679,336545	4112,855062		22403M30b	STWO	49	6679,336545	3337,237106		87	M	M30b	22403M30b	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
4870,651621	2726,92221		22489F89a	EGWO	41	4870,651621	2505,478028		54	F	F89a	22489F89a	EGWO	31	37	6	10	4,694.765	2,722.199	6.85	9.7
6556,664125	4099,327196		22500E75b	STWO	47	6556,664125	3476,240813		70	E	E75b	22500E75b	STWO	39	37	-2	8	6,277.225	3,989.588	-1.55	9.7
7565,579889	4539,549981		22519E16a	STWO	49	7565,579889	3799,834547		60	E	E16a	22519E16a	STWO	40	38	-2	9	7,859.686	4,412.051	-1.55	9.7
5324,347665	3869,726615		22543K90a	STWO	27	5324,347665	3869,309564		162	K	K90a	22543K90a	STWO	32	26	-6	-5	4,694.765	3,989.588	-5.75	-5.5
4721,702694	2811,18247		22586N70a	EGWO	43	4721,702694	2711,002056		12	N	N70a	22586N70a	EGWO	38	40	2	5	4,694.765	2,722.199	2.65	5.9
3859,398111	3613,189328		22586N70a	STWO	6	3859,398111	3903,317437		65	N	N70a	22586N70a	STWO	7	8	1	-1	3,112.304	3,567.125	0.55	-1.7
7669,690574	4202,746743		22608K46b	STWO	49	7669,690574	2735,079821		242	K	K46b	22608K46b	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
6251,721045	3902,590081		22616M31a	STWO	47	6251,721045	3133,255457		19	M	M31a	22616M31a	STWO	39	38	-1	8	6,277.225	3,989.588	-1.55	9.7
4882,087311	2823,780573		22624N70a	EGWO	44	4882,087311	2738,505994		15	N	N70a	22624N70a	EGWO	41	42	1	3	4,694.765	2,722.199	0.55	2.1
4170,711668	3695,240478		22624N70a	STWO	6	4170,711668	4083,630653		80	N	N70a	22624N70a	STWO	9	11	2	-3	4,694.765	3,567.125	2.65	-1.7
8366,666667	4062,961242		22632A06g	EGWO	45	8366,666667	4841,69189		1	A	A06g	22632A06g	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5
7971,870849	4551,977836		22632A06g	STWO	41	7971,870849	4380,366968		79	A	A06g	22632A06g	STWO	45	43	-2	-4	7,859.686	4,412.051	-1.55	-5.5
8047,16102	4386,084855		22632A06h	STWO	49	8047,16102	3597,544546		58	A	A06h	22632A06h	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
4701,595248	3690,300697		22640F87d	STWO	32	4701,595248	3078,659826		92	F	F87d	22640F87d	STWO	20	20	0	12	4,694.765	3,567.125	0.55	13.5
7087,127591	4422,178149		22659E19c	STWO	45	7087,127591	3857,071153		81	E	E19c	22659E19c	STWO	40	37	-3	5	7,859.686	4,412.051	-3.65	5.9
4138,439172	3428,19		22667K90a	STWO	31	4138,439172	2867,925156		120	K	K90a	22667K90a	STWO	27	23	-4	4	4,694.765	3,567.125	-3.65	2.1
6437,900853	4035,245193		22675M56c	STWO	49	6437,900853	3179,396712		49	M	M56c	22675M56c	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
7035,037192	3218,836185		22683M55h	EGWO	49	7035,037192	2965,690887		15	M	M55h	22683M55h	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5905,376404	4055,595744		22691E38c	STWO	46	5905,376404	3180,321831		84	E	E38c	22691E38c	STWO	34	31	-3	12	6,277.225	3,989.588	-3.65	13.5
4294,547514	3765,350287		22705F76a	STWO	7	4294,547514	4043,937265		107	F	F76a	22705F76a	STWO	8	12	4	-1	4,694.765	3,567.125	4.75	-1.7
4891,459227	2707,322442		22713F86a	EGWO	47	4891,459227	2599,266669		20	F	F86a	22713F86a	EGWO	42	44	2	5	4,694.765	2,722.199	2.65	5.9
4966,101695	3414,901548		22713F86a	STWO	26	4966,101695	3627,697307		1	F	F86a	22713F86a	STWO	19	20	1	7	4,694.765	3,567.125	0.55	5.9
1720,709754			22748F89a	STWO	18	1720,709754			96	F	F89a	22748F89a	STWO	18	18	0	0	1,529.844		0.55	-1.7
4577,870272	3774,534832		22756F89a	STWO	13	4577,870272	3976,77414		22	F	F89a	22756F89a	STWO	16	18	2	-3	4,694.765	3,567.125	2.65	-1.7
4464,795501	3135,261683		22764F77a	EGWO	27	4464,795501	3257,020024		31	F	F77a	22764F77a	EGWO	24	30	6	3	4,694.765	3,144.662	6.85	2.1
3950,655329	3720,98339		22772F81e	STWO	5	3950,655329	4356,973418		67	F	F81e	22772F81e	STWO	8	7	-1	-3	4,694.765	3,567.125	-1.55	-1.7
4839,818175	2868,235104		22799F76o	EGWO	36	4839,818175	2802,066992		10	F	F76o	22799F76o	EGWO	29	34	5	7	4,694.765	2,722.199	4.75	5.9
3661,679408	3706,81462		22810F81e	STWO	7	3661,679408	3209,75		14	F	F81e	22810F81e	STWO	8	7	-1	-1	3,112.304	3,567.125	-1.55	-1.7
6371,593856	4206,231579		22829E37g	STWO	48	6371,593856	3245,43626		65	E	E37g	22829E37g	STWO	36	34	-2	12	6,277.225	4,412.051	-1.55	13.5
3845,553974	4261,503601		22837F89d	STWO	17	3845,553974	3861,740984		138	F	F89d	22837F89d	STWO	11	12	1	6	3,112.304	4,412.051	0.55	5.9
6088,117533	4115,06561		22845E37c	STWO	44	6098,117533	3213,058004		175	E	E37c	22845E37c	STWO	35	32	-3	9	6,277.225	3,989.588	-3.65	9.7
6502,816644	4001,815257		22861E40b	STWO	49	6502,816644	2882,692978		185	E	E40b	22861E40b	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
6270,66213			22926F80b	EGWO	21	6270,66213	3694,233542		6	F	F80b	22926F80b	EGWO	24	28	4	-3	6,277.225		4.75	-1.7
6303,866329	4782,446316		22926F80c	EGWO	32	6303,866329	4412,206667		4	F	F80c	22926F80c	STWO		32			6,277.225	4,834.514		
6706,869302	4236,044333		22934K25c	STWO	41	6706,869302	3591,731642		163	K	K25c	22934K25c	STWO	39	37	-2	2	6,277.225	4,412.051	-1.55	2.1
8309,509486	3889,528809		22934K26a	EGWO	49	8438,944411	3546,302838		40	K	K26a	22934K26a	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
6736,374521	4159,776368		22934K26a	STWO	49	6736,374521	3323,650238		84	K	K26a	22934K26a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
7157,292212	4328,996017		22934K26b	STWO	44	7157,292212	4307,318758		116	K	K26b	22934K26b	STWO	41	38	-3	3	7,859.686	4,412.051	-3.65	2.1
7033,956772	4262,291612		22934K26c	STWO	49	7033,956772	3465,640262		76	K	K26c	22934K26c	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9

7452,017439	4407,550051	[redacted]	22942E14f	STWO	49	7452,017439	3580,602622	[redacted]	23	E	E14f	22942E14f	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6389,302162	3941,837258		22969E40b	STWO	49	6374,141404	2712,070084		166	E	E40b	22969E40b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
8534,792733	4305,69155		22985A07h	EGWO	49	8534,792733	3865,82534		7	A	A07h	22985A07h	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
7575,306939	4418,312106		22985A07h	STWO	49	7575,306939	3668,022068		32	A	A07h	22985A07h	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
4982,043342	3499,66012		22993N65b	EGWO	31	4982,043342	3427,427152		23	N	N65b	22993N65b	EGWO	27	30	3	4	4,694.765	3,567.125	2.65	2.1
4425	3948,861379		22993N65b	STWO	30	4425	3406,532013		1	N	N65b	22993N65b	STWO	18	17	-1	12	4,694.765	3,989.588	-1.55	13.5
4539,2359	3710,142665		23000F87d	STWO	24	4539,2359	3476,373092		332	F	F87d	23000F87d	STWO	19	18	-1	5	4,694.765	3,567.125	-1.55	5.9
6546,752355	3941,391323		23019K52b	STWO	49	6546,752355	2836,206722		154	K	K52b	23019K52b	STWO	43	40	-3	6	6,277.225	3,989.588	-3.65	5.9
6608,655692	3966,520837		23019K52c	STWO	49	6608,655692	2869,312821		104	K	K52c	23019K52c	STWO	43	40	-3	6	6,277.225	3,989.588	-3.65	5.9
6760,869565	3559,000541		23035A06l	EGWO	43	6760,869565	3440,7316		2	A	A06l	23035A06l	EGWO	49	49	0	-6	6,277.225	3,567.125	0.55	-5.5
7481,051941	4491,720396		23035A06l	STWO	44	7481,051941	3906,822084		30	A	A06l	23035A06l	STWO	43	40	-3	1	7,859.686	4,412.051	-3.65	2.1
6731,874583	4147,643261		23043M31a	STWO	48	6731,874583	3486,758085		250	M	M31a	23043M31a	STWO	39	37	-2	9	6,277.225	3,989.588	-1.55	9.7
6575,076133	4229,158313		23051E42a	STWO	46	6575,076133	3547,034929		59	E	E42a	23051E42a	STWO	38	36	-2	8	6,277.225	4,412.051	-1.55	9.7
7211,051171	4362,869777		23051E42b	STWO	49	7211,051171	3689,989722		32	E	E42b	23051E42b	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
6547,752794	4118,133288		23078E42b	STWO	49	6547,752794	3291,134678		57	E	E42b	23078E42b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
4672,01076	2667,400881		23108N60a	EGWO	44	4672,01076	2432,010714		14	N	N60a	23108N60a	EGWO	37	39	2	7	4,694.765	2,722.199	2.65	5.9
6518,610616	4122,280082		23159M32a	STWO	42	6518,610616	3596,63071		122	M	M32a	23159M32a	STWO	39	37	-2	3	6,277.225	3,989.588	-1.55	2.1
5436,986875	3871,671297		23175N60a	STWO	38	5436,986875	3291,534167		12	N	N60a	23175N60a	STWO	28	27	-1	10	4,694.765	3,989.588	-1.55	9.7
4769,23152	3285,781861		23183N65c	EGWO	32	4769,23152	3247,481748		28	N	N65c	23183N65c	EGWO	29	31	2	3	4,694.765	3,144.662	2.65	2.1
4847,507625	4073,422756		23183N65c	STWO	18	4847,507625	3547,676171		52	N	N65c	23183N65c	STWO	18	16	-2	0	4,694.765	3,989.588	-1.55	-1.7
6426,58496	4164,999449		23191A01e	STWO	33	6426,58496	4312,672473		11	A	A01e	23191A01e	STWO	40	35	-5	-7	6,277.225	3,989.588	-5.75	-5.5
7051,068346	4387,813517		23205A08a	STWO	38	7051,068346	4433,129756		5	A	A08a	23205A08a	STWO	43	38	-5	-5	6,277.225	4,412.051	-5.75	-5.5
3558,779348	2829,356393		23221F81e	EGWO	23	3558,779348	3005,257937		22	F	F81e	23221F81e	EGWO	23	25	2	0	3,112.304	2,722.199	2.65	-1.7
7682,856312	4593,538417		23248K48b	STWO	49	7682,856312	3902,555035		30	K	K48b	23248K48b	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
7095,229885	4483,139848		23248K48c	STWO	47	7095,229885	3768,597527		29	K	K48c	23248K48c	STWO	41	37	-4	6	7,859.686	4,412.051	-3.65	5.9
7011,097778	4295,8784		23264E41a	STWO	49	7011,097778	3400,987557		166	E	E41a	23264E41a	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
6820,88158	4322,833389		23264E42a	STWO	47	6820,88158	3620,444905		135	E	E42a	23264E42a	STWO	39	37	-2	8	6,277.225	4,412.051	-1.55	9.7
6752,405945	4183,80963		23264E42b	STWO	49	6752,405945	3401,578595		207	E	E42b	23264E42b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6465,014798	4050,555716		23272M56c	STWO	49	6465,014798	3201,746132		49	M	M56c	23272M56c	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
7266,63174	4251,737085		23280M27b	STWO	49	7266,63174	3380,857327		128	M	M27b	23280M27b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
4638,580931	2589,391029		23299F81e	EGWO	33	4638,580931	2491,797264		11	F	F81e	23299F81e	EGWO	33	35	2	0	4,694.765	2,722.199	2.65	-1.7
4644,067797	3706,604191		23299F81e	STWO	7	4644,067797	3191,560618		1	F	F81e	23299F81e	STWO	8	7	-1	-1	4,694.765	3,567.125	-1.55	-1.7
6006,458227	3959,02098		23329E38c	STWO	49	6006,458227	2919,028586		11	E	E38c	23329E38c	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
7205,279102	3047,085087		23388M56c	EGWO	49	7205,279102	2693,524121		12	M	M56c	23388M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6501,42126	3854,995904		23388M56c	STWO	49	6501,42126	2646,233868		67	M	M56c	23388M56c	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6303,970171	3842,183032		23396M56c	STWO	49	6303,970171	2680,382653		16	M	M56c	23396M56c	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
6872,033979	4312,25876		23418M30a	STWO	48	6872,033979	3605,915408		42	M	M30a	23418M30a	STWO	39	37	-2	9	6,277.225	4,412.051	-1.55	9.7
3673,293913	3565,549442		23426F86b	STWO	28	3673,293913	3418,489271		297	F	F86b	23426F86b	STWO	16	18	2	12	3,112.304	3,567.125	2.65	13.5
4504,913239	2598,631045		23434N68d	EGWO	47	4504,913239	2352,012864		23	N	N68d	23434N68d	EGWO	41	42	1	6	4,694.765	2,722.199	0.55	5.9
4866,026189	2676,858084		23434N68e	EGWO	46	4866,026189	2558,55408		13	N	N68e	23434N68e	EGWO	44	45	1	2	4,694.765	2,722.199	0.55	2.1
3873,901818	3638,293571		23434N68e	STWO	11	3873,901818	3952,066391		50	N	N68e	23434N68e	STWO	10	9	-1	1	3,112.304	3,567.125	-1.55	2.1
7215,485038	4415,057913		23450A06d	STWO	36	7215,485038	4556,858979		212	A	A06d	23450A06d	STWO	42	39	-3	-6	7,859.686	4,412.051	-3.65	-5.5
7297,513588	4440,653831		23450A06e	STWO	33	7297,513588	4667,392515		135	A	A06e	23450A06e	STWO	41	38	-3	-8	7,859.686	4,412.051	-3.65	-9.3
6392,239378	4449,467824		23469A06d	STWO	26	6392,239378	5598,089793		14	A	A06d	23469A06d	STWO	39	31	-8	-13	6,277.225	4,412.051	-7.85	-13.1
6800,615046	4523,271268		23477A06d	STWO	27	6800,615046	4982,935741		263	A	A06d	23477A06d	STWO	36	33	-3	-9	6,277.225	4,412.051	-3.65	-9.3
5201,944652			23477A06e	EGWO		5201,944652	2957,4806		1	A	A06e	23477A06e	EGWO					4,694.765			
7505,805582	4772,226977		23477A06e	STWO	24	7505,805582	5623,879022		222	A	A06e	23477A06e	STWO	36	33	-3	-12	7,859.686	4,834.514	-3.65	-13.1
6642,967538	4233,96866		23477A06f	STWO	35	6642,967538	4354,106768		89	A	A06f	23477A06f	STWO	39	36	-3	-4	6,277.225	4,412.051	-3.65	-5.5
6978,772793	4379,61578		23477A06i	STWO	34	6978,772793	4608,531537		88	A	A06i	23477A06i	STWO	40	37	-3	-6	6,277.225	4,412.051	-3.65	-5.5
6908,452104	4280,993164		23477A06j	STWO	39	6908,452104	4249,016848		81	A	A06j	23477A06j	STWO	41	38	-3	-2	6,277.225	4,412.051	-3.65	-1.7
6781,203865	4316,805283		23477A07b	STWO	32	6781,203865	4550,921109		45	A	A07b	23477A07b	STWO	39	36	-3	-7	6,277.225	4,412.051	-3.65	-5.5
6755,368101	4062,141197		23485E43a	STWO	49	6755,368101	3051,756915		27	E	E43a	23485E43a	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
4745,776984	2807,568193		23493K90d	EGWO	48	4745,776984	2345,312265		32	K	K90d	23493K90d	EGWO	43	42	-1	5	4,694.765	2,722.199	-1.55	5.9
5238,575729	3702,95291		23493K90d	STWO	38	5238,575729	3024,364524		5	K	K90d	23493K90d	STWO	30	30	0	8	4,694.765	3,567.125	0.55	9.7
5549,297171	3878,97189		23515N65b	EGWO	33	5549,297171	3712,901565		24	N	N65b	23515N65b	EGWO	26	30	4	7	6,277.225	3,989.588	4.75	5.9
7076,635994	4397,466543		23523A01b	STWO	33	7076,635994	4740,134618		5	A	A01b	23523A01b	STWO	42	38	-4	-9	7,859.686	4,412.051	-3.65	-9.3
6489,953098	4263,53293		23523A01c	STWO	28	6489,953098	4826,602925		12	A	A01c	23523A01c	STWO	39	34	-5	-11	6,277.225	4,412.051	-5.75	-9.3
4469,246655	2988,185005		23531F89b	EGWO	32	4469,246655	3048,330388		28	F	F89b	23531F89b	EGWO	29	33	4	3	4,694.765	3,144.662	4.75	2.1
3910,002507	3285,759033		23582F81c	STWO	12	3910,002507	3462,573436		155	F	F81c	23582F81c	STWO	14	13	-1	-2	4,694.765	3,144.662	-1.55	-1.7
5147,363024	3656,477539		23612M32b	STWO	40	5147,363024	2920,406481		17	M	M32b	23612M32b	STWO	32	29	-3	8	4,694.765	3,567.125	-3.65	9.7
4323,161017	2597,269062		23639F76a	EGWO	41	4323,161017	2440,323383		6	F	F76a	23639F76a	EGWO	33	40	7	8	4,694.765	2,722.199	6.85	9.7
6040,576168	4020,859719		23663M28a	STWO	41	6040,576168	3787,489775		68	M	M28a	23663M28a	STWO	40	33	-7	1	6,277.225	3,989.588	-7.85	2.1
5725,606394	3598,344988		23663M28b	STWO		5725,606394	2550,1158		3	M	M28b	23663M28b	STWO					6,277.225	3,567.125		
6436,261935	3985,11986		23663M29a	STWO	48	6436,261935	3237,885797		70	M	M29a	23663M29a	STWO	43	38	-5	5	6,277.225	3,989.588	-5.75	5.9
7248,935432	4322,075474		23698K26b	STWO	49	7248,935432	3542,554979		133	K	K26b	23698K26b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
5548,533942	4010,013583		23701M56c	STWO	40	5548,533942	4248,934481		82	M	M56c	23701M56c	STWO	31	31	0	9	6,277.225	3,989.588	0.55	9.7
6767,243309	3618,523693		23728M55h	EGWO	49	6767,243309	3382,995095		20	M	M55h	23728M55h	EGWO	46	49	3	3	6,277.225	3,567.125	2.65	2.1
4975,721154	3424,164758		23736N62a	EGWO	37	4975,721154	3317,606461		4	N	N62a	23736N62a	EGWO	32	35	3	5	4,694.765	3,567.125	2.65	5.9
5148,774343	3842,335765		23736N62a	STWO	26	5148,774343	3199,374012		38	N	N62a	23736N62a	STWO	25	25	0	1	4,694.765	3,989.588	0.55	2.1
4017,004908	2765,602183		23744F83a	EGWO	29	4017,004908	2520,236206		20	F	F83a	23744F83a	EGWO	28	31	3	1	4,694.765	2,722.199	2.65	2.1
3484,016804	3257,828123		23752F81b	STWO	15	3484,016804	3140,442578		258	F	F81b	23752F81b	STWO	8	12	4	7	3,112.304	3,144.662	4.75	5.9
6044,441644	3956,191063		23760K53b	STWO	44	6044,441644	3494,892262		43	K	K53b	23760K53b	STWO	39	37	-2	5	6,277.225	3,989.588	-1.55	5.9
6358,943292	3992,99839		23779K53b	STWO	44	6358,943292	3593,670471		75	K	K53b	23779K53b	STWO	38	36	-2	6	6,277.225	3,989.588	-1.55	5.9
7796,554277	3659,305387		23809N64c	EGWO	49	7796,554277	3533,266145		43	N	N64c	23809N64c	EGWO	45	49	4	4	7,859.686	3,567.125	4.75	2.1
5645,942029	4075,456774		23817N61a	STWO	25	5645,942029	3421,829242		5	N	N61a	23817N61a	STWO	31	28	-3	-6	6,277.225	3,989.588	-3.65	-5.5
5401,398478	3009,697832		23817N61b	EGWO	44	5470,568241	2968,896152		9	N	N61b	23817N61b	EGWO	41	44	3	3	4,694.765	3,144.662	2.65	2.1
5013,68763	3814,399017		23817N61b	STWO	34	5013,68763	3196,77431		187	N	N61b	23817N61b	STWO	26	23	-3	8	4,694.765	3,989.588	-3.65	9.7
4498,538079	3552,185142		23817N61c	STWO	39	4498,538079	2754,456065		7	N	N61c	23817N61c	STWO	26	22	-4	13	4,694.765	3,567.125	-3.65	13.5
4381,112278	2610,175553		23817N72a	EGWO	43	4381,112278	2482,88		5	N	N72a	23817N72a	EGWO	38	40	2	5	4,694.765	2,722.199	2.65	5.9
4264,388513	3435,866089		23817N72a	STWO	43	4264,388513	2606,609998		25	N	N72a	23817N72a	STWO	20	20	0	23	4,694.765	3,567.125	0.55	21.1
4263,141274	2712,556336		23876N60a	EGWO	39	4263,141274	2502,068187		4	N	N60a	23876N60a	EGWO	32	34	2	7	4,694.765	2,722.199	2.65	5.9
4735,531635	3522,965707		23876N60a	STWO	37	4735,531635	2658,747149		3	N	N60a	23876N60a	STWO	27	27	0	10	4,694.765	3,567.125	0.55	9.7
4047,420054	2491,742508		23892F77d	EGWO	44	4047,420054	2280,494		5	F	F77d	23892F77d	EGWO	35	38	3	9	4,694.765	2,299.736	2.65	9.7
4219,706233	3496,540425		23892F77d	STWO	15	4219,706233	3574,862421		40	F	F77d	23892F77d	STWO	15	16	1	0	4,694.765	3,567.125	0.55	-1.7
5502,544737	3491,197819		23922N66b	EGWO	24	5502,544737	3176,838697		3	N	N66b	23922N66b	EGWO		30			6,277.225	3,567.125		
4567,982456	3147,357704		23930N65c	EGWO	33	4567,982456	3079,186667		12	N	N65c	23930N65c	EGWO	26	31	5	7	4,694.765	3,144.662	4.75	5.9
10929,01538	3760,933902		23949K49d	EGWO	49	10929,01538	2551,578614		7	K	K49d	23949K49d	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7109,859189	3983,951444		23949K49d	STWO	49	7109,859189	2500,387894		11	K	K49d	23949K49d	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
5843,806357	3987,97117		23957M32a	STWO	42	5843,806357	3285,21829		103	M	M32a	23957M32a	STWO	34	31	-3	8	6,277.225	3,989.588	-3.65	9.7
6367,918511	4173,810987		23965M56c	STWO	40	6367,918511	4112,046468		45	M	M56c	23965M56c	STWO	34	34	0	6	6,277.225	3,989.588	0.55	5.9
4785,714286	3991,279855		23973F78a	STWO	13	4785,714286	3351,29		1	F	F78a	23973F78a	STWO	16	12	-4	-3	4,694.765	3,989.588	-3.65	-1.7
4318,408771	3154,187903		24007K91b	STWO	32	4318,408771	2785,836694		72	K	K91b	24007K91b	STWO	32	28	-4	0	4,694.765	3,144.662	-3.65	-1.7
6182,827295	3845,611567		24015E41b	STWO	49	6182,827295	2616,16004		35	E	E41b	24015E41b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6557,079762	4150,745385		24015E42a	STWO	49	6557,079762	3334,416409		39	E	E42a	24015E42a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6713,584409	4137,816965		24015E42c	STWO	49	6713,584409	3355,120981		18	E	E42c	24015E42c	STWO	38	38	0	11	6,277.225	3,989.588	0.55	9.7
6985,112691	4271,355516		24023E38d	STWO	49	6985,112691	3424,369505		146	E	E38d	24023E38d	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
6485,436732	4199,396572		24023E41b	STWO	49	6485,436732	3273,441563		153	E	E41b	24023E41b	STWO	38	35	-3	11	6,277.225	3,989.588	-3.65	9.7
5169,829205	3967,355762		24031K90c	STWO	21	5169,829205	4071,420769		19	K	K90c	24031K90c	STWO	30	23	-7	-9	4,694.765	3,989.588	-7.85	-9.3
3381,818182			24066N65b	EGWO	33	3381,818182			1	N	N65b	24066N65b	EGWO	28	32	4	5	3,112.304		4.75	5.9
4515,953102	3714,272299		24066N65b	STWO	31	4515,953102	3047,572916		8	N	N65b	24066N65b	STWO	19	17	-2	12	4,694.765	3,567.125	-1.55	13.5
5293,162007	3692,812692		24074N65b	STWO	33	5293,162007	3577,792386		21	N	N65b	24074N65b	EGWO	26	30	4	7	4,694.765	3,567.125	4.75	5.9
4695,662581	3585,451648		24082N61c	STWO	41	4695,662581	2756,065446		12	N	N61c	24082N61c	STWO	28	23	-5	13	4,694.765	3,567.125	-5.75	13.5
6056,71094	4086,115389		24090E38c	STWO	48	6056,71094	3159,112151		74	E	E38c	24090E38c	STWO	35	32	3	13	6,277.225	3,989.588	3.65	13.5
6560,613092	3873,440613		24120K52c	STWO	49	6560,613092	2645,360757		13	K	K52c	24120K52c	STWO	45	41	-4	4	6,277.225	3,989.588	-3.65	2.1
6737,912622	3935,192005		24120K52d	STWO	49	6737,912622	2745,623588		98	K	K52d	24120K52d	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
6525,018779	4078,082018		24147K26c	STWO	49	6525,018779	3275,082218		129	K	K26c	24147K26c	STWO	42	37	-5	7	6,277.225	3,989.588	-5.75	5.9
9860,6486	3584,021302		24155K49a	EGWO	49	9860,6486	2406,28919		10	K	K49a	24155K49a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
4309,681326	3461,067176		24163N71c	STWO	40	4309,681326	2594,823333		3	N	N71c	24163N71c	STWO	26	30	4	14	4,694.765	3,567.125	4.75	13.5
4417,644952	2991,926947		24171N65b	EGWO	33	4417,644952	2965,756453		11	N	N65b	24171N65b	EGWO	28	32	4	5	4,694.765	3,144.662	4.75	5.9
4061,18145	2810,834786		24198N65a	EGWO	28	4061,18145	2881,422534		30	N	N65a	24198N65a	EGWO	23	30	7	5	4,694.765	2,722.199	6.85	5.9
4796,754484	3230,957202		24198N65b	EGWO	34	4796,754484	3194,030871		193	N	N65b	24198N65b	EGWO	29	33	4	5	4,694.765	3,144.662	4.75	5.9
5236,652791	3856,689835		24228N61b	STWO	39	5236,652791	3159,035058		38	N	N61b	24228N61b	STWO	27	25	-2	12	4,694.765	3,989.588	-1.55	13.5
4002,458022	2637,79838		24236F78b	EGWO	37	4002,458022	2511,231112		18	F	F78b	24236F78b	EGWO	34	34	0	3	4,694.765	2,722.199	0.55	2.1
10458,49138	3673,347073		24244K49d	EGWO	49	10458,49138	2394,44535		4	K	K49d	24244K49d	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7505,893591	4062,103222		24244K49d	STWO	49	7505,893591	2556,860517		22	K	K49d	24244K49d	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7

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5191,255717	3638,105747	[redacted]	25380K91c	STWO	34	5191,255717	3424,467796	[redacted]	54	K	K91c	25380K91c	STWO	33	29	-4	1	4,694.765	3,567.125	-3.65	2.1
8677,083333	5279,765163		25399N73h	EGWO	45	8677,083333	4835,37		2	N	N73h	25399N73h	EGWO	43	45	2	2	9,442.146	5,256.977	2.65	2.1
3437,84036	3332,622107		2540F81a	EGWO	13	3437,84036	3106,196716		75	F	F81a	2540F81a	STWO	9	11	2	4	3,112.304	3,144.662	2.65	2.1
8708,333333			25410A00a	EGWO	32	8708,333333			1	A	A00a	25410A00a	EGWO	43	45	2	-11	9,442.146		2.65	-9.3
6603,934861	4242,707677		25410A00a	STWO	32	6603,934861	4339,724941		11	A	A00a	25410A00a	STWO	37	33	-4	-5	6,277.225	4,412.051	-3.65	-5.5
5651,866908	3965,794379		25429A04c	STWO	38	5651,866908	3498,430989		9	A	A04c	25429A04c	STWO	34	32	-2	4	6,277.225	3,989.588	-1.55	2.1
5637,931034	3141,881784		25429A04f	EGWO		5637,931034	4013,3687		1	A	A04f	25429A04f	EGWO					6,277.225	3,144.662		
7479,274721	4683,87374		25429A04f	STWO	43	7479,274721	4785,769602		18	A	A04f	25429A04f	STWO	39	37	-2	4	7,859.686	4,834.514	-1.55	2.1
5845,405056	3195,519135		25437N64c	EGWO	45	5845,405056	3151,660467		234	N	N64c	25437N64c	EGWO	40	44	4	5	6,277.225	3,144.662	4.75	5.9
4998,907973	3541,660081		25437N64c	STWO	45	4998,907973	2734,343512		23	N	N64c	25437N64c	STWO	30	29	-1	15	4,694.765	3,567.125	-1.55	13.5
6015,766513	3249,037016		25437N64d	EGWO	47	6015,766513	3173,289084		101	N	N64d	25437N64d	EGWO	40	45	5	7	6,277.225	3,144.662	4.75	5.9
5096,655746	3573,200194		25437N64d	STWO	49	5096,655746	2503,932871		13	N	N64d	25437N64d	STWO	33	29	-4	16	4,694.765	3,567.125	-3.65	17.3
5056,987296	3021,247175		25437N72c	EGWO	40	5056,987296	2966,73581		5	N	N72c	25437N72c	EGWO	38	40	2	2	4,694.765	3,144.662	2.65	2.1
4488,211399	2495,883148		25445N61d	EGWO		4661,639198	2694,810647		3	N	N61d	25445N61d	EGWO	41	45	4		4,694.765	2,299.736	4.75	
5499,774091	3813,537102		25445N61d	STWO	47	5573,260982	2967,567595		7	N	N61d	25445N61d	STWO	27	31	4	20	6,277.225	3,989.588	4.75	21.1
6769,74359			25445N64c	EGWO	48	6769,74359	3640		2	N	N64c	25445N64c	EGWO	42	46	4	6	6,277.225		4.75	5.9
4798,122066	2810,336359		25453N62a	EGWO	37	4798,122066	2438,373333		3	N	N62a	25453N62a	EGWO	32	35	3	5	4,694.765	2,722.199	2.65	5.9
6860,606061	4351,529633		25453N62b	EGWO	42	6860,606061	3913,685147		3	N	N62b	25453N62b	EGWO	36	38	2	6	6,277.225	4,412.051	2.65	5.9
4333,333333	3513,277629		25453N62b	STWO		4333,333333	2755,12		1	N	N62b	25453N62b	STWO					4,694.765	3,567.125		
5009,690141	2952,418287		25453N64c	EGWO	48	5009,690141	2282,84		2	N	N64c	25453N64c	EGWO	42	46	4	6	4,694.765	3,144.662	4.75	5.9
5239,130435	3642,178637		25453N64c	STWO	45	5239,130435	2689,49129		2	N	N64c	25453N64c	STWO	29	29	0	16	4,694.765	3,567.125	0.55	17.3
4938,806381	3504,40914		25453N64d	STWO	49	4938,806381	2446,015054		3	N	N64d	25453N64d	STWO	33	28	-5	16	4,694.765	3,567.125	-5.75	17.3
6987,86186	4396,801425		25461A01b	STWO	33	6987,86186	4652,4819		83	A	A01b	25461A01b	STWO	40	36	-4	-7	6,277.225	4,412.051	-3.65	-5.5
6515,538076	4368,511949		25461A01c	STWO	28	6515,538076	4830,198989		75	A	A01c	25461A01c	STWO	38	34	-4	-10	6,277.225	4,412.051	-3.65	-9.3
6707,735865	4321,139369		25461A01e	STWO	31	6707,735865	4647,324047		17	A	A01e	25461A01e	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3
5268,215858	2670,98703		25496K90d	EGWO	49	5268,215858	2297,540322		29	K	K90d	25496K90d	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
7196,084416	4311,911314		25518A09i	STWO	42	7196,084416	4130,805962		84	A	A09i	25518A09i	STWO	40	39	-1	2	7,859.686	4,412.051	-1.55	2.1
6807,59842	4370,693138		25542A00c	STWO	31	6807,59842	4724,206674		20	A	A00c	25542A00c	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7238,315782	4511,559962		25542A04e	STWO	37	7238,315782	4716,472134		24	A	A04e	25542A04e	STWO	41	38	-3	-4	7,859.686	4,412.051	-3.65	-5.5
5337,078652	3632,261565		25550E37a	STWO	33	5337,078652	2437		2	E	E37a	25550E37a	STWO	27	27	0	6	4,694.765	3,567.125	0.55	5.9
6489,946631	4048,41048		25569E37a	STWO	38	6489,946631	3593,880608		149	E	E37a	25569E37a	STWO	27	27	0	11	6,277.225	3,989.588	0.55	9.7
6797,414817	4361,670089		25569E37f	STWO	48	6797,414817	3513,942209		19	E	E37f	25569E37f	STWO	38	36	-2	10	6,277.225	4,412.051	-1.55	9.7
4444,044564	2671,466849		25577N60c	EGWO	38	4444,044564	2562,59268		37	N	N60c	25577N60c	EGWO	38	36	-2	0	4,694.765	2,722.199	-1.55	-1.7
4485,854985	3539,019983		25577N60c	STWO	36	4485,854985	2856,390141		67	N	N60c	25577N60c	STWO	21	20	-1	15	4,694.765	3,567.125	-1.55	13.5
5038,66512	3718,907149		25585K90d	STWO	31	5038,66512	3493,866792		107	K	K90d	25585K90d	STWO	30	26	-4	1	4,694.765	3,567.125	-3.65	2.1
6176,125862	3992,851035		25615M55d	STWO	48	6176,125862	3215,934805		41	M	M55d	25615M55d	STWO	35	35	0	13	6,277.225	3,989.588	0.55	13.5
5374,126371	3524,737123		25631N63a	EGWO	39	5374,126371	3300,494966		14	N	N63a	25631N63a	EGWO	33	34	1	6	4,694.765	3,567.125	0.55	5.9
8532,608696	4544,17635		25658K91c	EGWO	49	8532,608696	4553,14		1	K	K91c	25658K91c	EGWO	48	47	-1	1	7,859.686	4,412.051	-1.55	2.1
4994,243351	3102,453272		25712F84a	EGWO	34	4994,243351	3162,968341		50	F	F84a	25712F84a	EGWO	33	35	2	1	4,694.765	3,144.662	2.65	2.1
4455,152148	3283,713025		25712F84b	EGWO	33	4455,152148	3114,813348		14	F	F84b	25712F84b	EGWO	33	37	4	0	4,694.765	3,144.662	4.75	-1.7
9953,249557	4345,278586		25720A07e	EGWO	49	9953,249557	4595,825358		5	A	A07e	25720A07e	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
7206,829679	4391,286633		25720A07e	STWO	39	7206,829679	4423,208928		15	A	A07e	25720A07e	STWO	42	39	-3	-3	7,859.686	4,412.051	-3.65	-1.7
7710,60666	4041,491804		25747A06k	EGWO	45	7710,60666	4681,394842		4	A	A06k	25747A06k	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5
8110,978156	4672,43123		25747A06k	STWO	40	8110,978156	4935,66431		24	A	A06k	25747A06k	STWO	45	42	-3	-5	7,859.686	4,834.514	-3.65	-5.5
7344,410654	3553,853702		25763A06k	EGWO	45	7344,410654	3932,006375		4	A	A06k	25763A06k	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
7930,89049	4676,719113		25763A06k	STWO	38	7930,89049	4971,973156		80	A	A06k	25763A06k	STWO	45	42	-3	-7	7,859.686	4,834.514	-3.65	-5.5
8804,877518	3955,102246		25771A07e	EGWO	49	8804,877518	4095,457		11	A	A07e	25771A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7240,295066	4328,851494		25771A07e	STWO	41	7240,295066	4008,412832		143	A	A07e	25771A07e	STWO	43	40	-3	-2	7,859.686	4,412.051	-3.65	-1.7
6075,007615	3720,003293		25801N70b	EGWO	45	6075,007615	4372,05511		2	N	N70b	25801N70b	EGWO	38	41	3	7	6,277.225	3,567.125	2.65	5.9
5718,572737	2903,91023		25836K90d	EGWO	49	5718,572737	2423,36956		39	K	K90d	25836K90d	EGWO	48	49	1	1	6,277.225	2,722.199	0.55	2.1
5089,506856	2669,766858		25844F77b	EGWO	49	5089,506856	2466,242802		22	F	F77b	25844F77b	EGWO	45	47	2	4	4,694.765	2,722.199	2.65	2.1
4663,46784	3745,970812		25844F77b	STWO	13	4663,46784	4354,979789		139	F	F77b	25844F77b	STWO	15	16	1	-2	4,694.765	3,567.125	0.55	-1.7
6829,256001	3529,392714		25887E13b	EGWO		6829,256001	3712,628923		2	E	E13b	25887E13b	EGWO					6,277.225	3,567.125		
5487,787033	3939,889481		25887E13b	STWO	25	5487,787033	4256,33606		303	E	E13b	25887E13b	STWO	34	30	-4	-9	6,277.225	3,989.588	-3.65	-9.3
8189,795046	4687,069433		25895A08a	STWO	43	8189,795046	4729,887928		162	A	A08a	25895A08a	STWO	46	44	-2	-3	7,859.686	4,834.514	-1.55	-1.7
6937,062937	3593,301907		25895A08b	EGWO	38	6937,062937	4280,0922		1	A	A08b	25895A08b	EGWO					6,277.225	3,567.125		
8221,745303	4643,89769		25895A08b	STWO	46	8221,745303	4532,02766		71	A	A08b	25895A08b	STWO	46	43	-3	-1	7,859.686	4,834.514	-3.65	-1.7
4614,61039	3265,479835		25909F88j	EGWO	29	4614,61039	3176,714947		3	F	F88j	25909F88j	EGWO	27	30	3	2	4,694.765	3,144.662	2.65	2.1
6307,505446	4049,073073		25917A04i	STWO	39	6307,505446	3739,600019		27	A	A04i	25917A04i	STWO	39	34	-5	0	6,277.225	3,989.588	-5.75	-1.7
7102,255639	4356,50932		25925A04f	STWO	44	7102,255639	3970,770517		5	A	A04f	25925A04f	STWO	41	39	-2	3	7,859.686	4,412.051	-1.55	2.1
7892,754852	4754,705586		25941A06e	STWO	28	7892,754852	5310,331457		4	A	A06e	25941A06e	STWO	38	35	-3	-10	7,859.686	4,834.514	-3.65	-9.3
3106,796117			25976B10a	EGWO		3106,796117			1	B	B10a	25976B10a	EGWO					3,112.304			
9007,345371	3944,876912		25984A04g	EGWO		9007,345371	3963,835345		3	A	A04g	25984A04g	EGWO					9,442.146	3,989.588		
7177,950969	4350,364242		25984A04g	STWO	42	7177,950969	4175,74142		122	A	A04g	25984A04g	STWO	42	40	-2	0	7,859.686	4,412.051	-1.55	-1.7
7110,995997	3645,634609		25984A04i	EGWO	44	7110,995997	3785,138512		4	A	A04i	25984A04i	EGWO	48	49	1	-4	7,859.686	3,567.125	0.55	-5.5
7762,790093	4520,719875		25984A04i	STWO	41	7762,790093	4588,97582		80	A	A04i	25984A04i	STWO	44	42	-2	-3	7,859.686	4,412.051	-1.55	-1.7
5420			25984A08a	STWO	40	5420			4	A	A08a	25984A08a	STWO	43	41	-2	-3	4,694.765		-1.55	-1.7
6912,641163	4295,179897		25992A04h	STWO	37	6912,641163	4325,758322		60	A	A04h	25992A04h	STWO	40	37	-3	-3	6,277.225	4,412.051	-3.65	-1.7
7440,816719	3400,96244		26018A04d	EGWO	49	7440,816719	3163,203239		8	A	A04d	26018A04d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6746,401786	4184,642677		26018A04d	STWO	36	6722,701844	4294,219398		36	A	A04d	26018A04d	STWO	38	36	-2	-2	6,277.225	3,989.588	-1.55	-1.7
7516,172603	3424,102036		26034A08a	EGWO	49	7516,172603	3665,919122		10	A	A08a	26034A08a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7656,726375	4584,059551		26034A08a	STWO	40	7656,726375	4637,75161		334	A	A08a	26034A08a	STWO	42	40	-2	-2	7,859.686	4,412.051	-1.55	-1.7
6583,402053	3199,270062		26042A08a	EGWO	49	6583,402053	3376,429344		10	A	A08a	26042A08a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6840,678301	4298,820705		26042A08a	STWO	35	6840,678301	4528,457725		262	A	A08a	26042A08a	STWO	39	37	-2	-4	6,277.225	4,412.051	-1.55	-5.5
7378,455352	3686,6694		26050A06c	EGWO	42	7378,455352	4223,942801		34	A	A06c	26050A06c	EGWO	49	49	0	-7	7,859.686	3,567.125	0.55	-5.5
7352,774997	4448,902263		26050A06c	STWO	41	7352,774997	4354,324505		221	A	A06c	26050A06c	STWO	42	39	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7886,218613	4767,386244		26069A07e	STWO	37	7886,218613	5023,589819		10	A	A07e	26069A07e	STWO	43	40	-3	-6	7,859.686	4,834.514	-3.65	-5.5
9144,634381	4198,45449		26077A07e	STWO	49	9144,634381	4528,592199		11	A	A07e	26077A07e	STWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7386,609536	4580,267701		26077A07e	STWO	40	7386,609536	4551,601076		118	A	A07e	26077A07e	STWO	42	39	-3	-2	7,859.686	4,412.051	-3.65	-1.7
4677,402098	3819,407996		26085N65b	STWO	30	4677,402098	3284,820439		5	N	N65b	26085N65b	STWO	18	18	0	12	4,694.765	3,989.588	0.55	13.5
6775,483011	4324,827514		26093A01e	STWO	31	6775,483011	4669,24876		104	A	A01e	26093A01e	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3
5704,493018	3869,11075		26123A06j	STWO	38	5704,493018	3571,017372		152	A	A06j	26123A06j	STWO	37	33	-4	1	6,277.225	3,989.588	-3.65	2.1
7673,421124	3563,240692		26131A08a	EGWO	48	7673,421124	3963,509		7	A	A08a	26131A08a	EGWO	49	49	0	-1	7,859.686	3,567.125	0.55	-1.7
8239,818179	4597,508275		26131A08a	STWO	45	8239,818179	4596,782327		279	A	A08a	26131A08a	STWO	46	44	-2	-1	7,859.686	4,412.051	-1.55	-1.7
7011,930907	3214,413196		26158A04d	EGWO	49	7011,930907	2904,101737		10	A	A04d	26158A04d	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6154,006924	3970,989898		26158A04d	STWO	35	6154,006924	3671,124103		4	A	A04d	26158A04d	STWO	39	36	-3	-4	6,277.225	3,989.588	-3.65	-5.5
6240	3753,903004		26174A01d	EGWO	30	6240	4667,6743		1	A	A01d	26174A01d	EGWO	43	44	1	-13	6,277.225	3,567.125	0.55	-13.1
7567,567568	4913,292858		26174A01d	STWO	33	7567,567568	5643,0325		1	A	A01d	26174A01d	STWO	42	38	-4	-9	7,859.686	4,834.514	-3.65	-9.3
7542,315119	4542,18075		26182A03a	STWO	42	7542,315119	4403,220686		35	A	A03a	26182A03a	STWO	43	41	-2	-1	7,859.686	4,412.051	-1.55	-1.7
8067,592593	3967,70027		26182A03c	EGWO	49	8067,592593	4464,20075		2	A	A03c	26182A03c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7703,728506	4510,415635		26182A03c	STWO	46	7703,728506	4211,115262		19	A	A03c	26182A03c	STWO	44	42	-2	2	7,859.686	4,412.051	-1.55	2.1
7488,380821	4479,096527		26190A05d	STWO	47	7488,380821	4008,499464		61	A	A05d	26190A05d	STWO	46	41	-5	1	7,859.686	4,412.051	-5.75	2.1
7557,191349	4675,827379		26204A06e	STWO	28	7557,191349	5285,661743		9	A	A06e	26204A06e	STWO	39	36	-3	-11	7,859.686	4,834.514	-3.65	-9.3
6879,67336	4285,231484		26212A04f	STWO	48	6879,67336	3802,3283		125	A	A04f	26212A04f	STWO	43	41	-2	5	6,277.225	4,412.051	-1.55	5.9
10618,42105	4959,685831		26239A07f	EGWO	49	10618,42105	5295,329039		1	A	A07f	26239A07f	EGWO					11,024.607	4,834.514		
7741,559681	4462,761833		26239A07f	STWO	47	7741,559681	4538,841284		3	A	A07f	26239A07f	STWO	45	42	-3	2	7,859.686	4,412.051	-3.65	2.1
6294,545932	4133,938494		26247A05c	STWO	39	6294,545932	3568,737489		5	A	A05c	26247A05c	STWO	37	34	-3	2	6,277.225	3,989.588	-3.65	2.1
7625			26263A01c	EGWO		7625			1	A	A01c	26263A01c	EGWO	39				7,859.686			
6074,367309	4182,266558		26263A01c	STWO	33	6074,367309	3866,897516		60	A	A01c	26263A01c	STWO	37	31	-6	-4	6,277.225	3,989.588	-5.75	-5.5
6865,844383	4451,722609		26271A01c	STWO	28	6865,844383	5129,497531		13	A	A01c	26271A01c	STWO	40	35	-5	-12	6,277.225	4,412.051	-5.75	-13.1
6718,802468	4397,993772		26271A01e	STWO	27	6718,802468	4891,646947		41	A	A01e	26271A01e	STWO	39	34	-5	-12	6,277.225	4,412.051	-5.75	-13.1
6708,839795	4283,75103		26298A01b	STWO	31	6708,839795	4508,88408		25	A	A01b	26298A01b	STWO	40	35	-5	-9	6,277.225	4,412.051	-5.75	-9.3
5873,131328	3435,285277		26298A01c	EGWO		5873,131328	4368,2279		1	A	A01c	26298A01c	EGWO	39				6,277.225	3,567.125		
6840,308303	4525,071745		26298A01c	STWO	33	6840,308303	5074,593675		4	A	A01c	26298A01c	STWO	39	34	-5	-6	6,277.225	4,412.051	-5.75	-5.5
4828,571429			26298A01d	EGWO	30	4828,571429			1	A	A01d	26298A01d	EGWO	43	44	1	-13	4,694.765		0.55	-13.1
6858,15457	4395,831851		26298A01d	STWO	31	6871,604077	4701,169304		83	A	A01d	26298A01d	STWO	39	35	-4	-8	6,277.225	4,412.051	-3.65	-9.3
6628,57609	4186,156414		26298A01e	STWO	30	6628,57609	4657,702455		30	A	A01e	26298A01e	STWO	39	35	-4	-9	6,277.225	3,989.588	-3.65	-9.3
7124,864257	4390,211806		26298A01f	STWO	36	7167,093497	4588,502586		92	A	A01f	26298A01f	STWO	43	39	-4	-7	7,859.686	4,412.051	-3.65	-5.5
5366,434379	3285,455037		26298A01g	EGWO		5785,714286	4181,7579		1	A	A01g	26298A01g	EGWO					4,694.765	3,144.662		
6907,504502	4333,000414		26298A01g	STWO	33	6966,086178	4577,934095		53	A	A01g	26298A01g	STWO	42	38	-4	-9	6,277.225	4,412.051	-3.65	-9.3
5212,611123	3276,945905		26301N65b	EGWO	37	5212,611123	3303,225834		19	N	N65b	26301N65b	EGWO	32	37	5	5	4,694.765	3,144.662	4.75	5.9
6314,158312	4018,811256		26328A01e	STWO	37	6314,158312	3442,19763		10	A	A01e	26328A01e	STWO	41	36	-5	-4	6,277.225	3,989.588	-5.75	-5.5
7190,76737	4492,523841		26336A00a	STWO	30	7190,76737	5045,106898		17	A	A00a	26336A00a	STWO	41	37	-4	-11	7,859.686	4,412.051	-3.65	-9.3
6918,638896	4005,979948		26336A00c	EGWO	34	6918,638896	4377,259214		10	A	A00c	26336A00c	EGWO	44	48	4	-10	6,277.225	3,989.588	4.75	-9.3
6705,94514	4238,227209		26336A00c	STWO	31	6705,94514	4715,043796		207	A	A00c	26336A00c	STWO	40	36	-4	-9	6,277.225	4,412.051	-3.65	-9.3

6906,728822	3723,50979	[redacted]	26336A00e	EGWO	36	6906,728822	4229,526338	[redacted]	4	A	A00e	26336A00e	EGWO	44	46	2	-8	6,277.225	3,567.125	2.65	-9.3
7009,798148	4388,176646		26336A00e	STWO	34	7009,798148	4661,475463		41	A	A00e	26336A00e	STWO	42	38	-4	-8	6,277.225	4,412.051	-3.65	-9.3
6494,375749	4104,757798		26344A00a	STWO	35	6494,375749	3951,91205		21	A	A00a	26344A00a	STWO	38	37	-1	-3	6,277.225	3,989.588	-1.55	-1.7
6126,272936	4832,947607		26352A00a	STWO	30	6126,272936	5628,824125		29	A	A00a	26352A00a	STWO	38	35	-3	-8	6,277.225	4,834.514	-3.65	-9.3
6094,054854	3120,108539		26360A00a	EGWO	32	6094,054854	3951,769693		4	A	A00a	26360A00a	EGWO	43	45	2	-11	6,277.225	3,144.662	2.65	-9.3
6941,962446	4409,083008		26360A00a	STWO	31	6941,962446	4893,203313		39	A	A00a	26360A00a	STWO	40	37	-3	-9	6,277.225	4,412.051	-3.65	-9.3
6204,942358	3428,258791		26360A00b	EGWO	35	6204,942358	3977,502859		5	A	A00b	26360A00b	EGWO	39	41	2	-4	6,277.225	3,567.125	2.65	-5.5
6215,919738	4240,701262		26360A00b	STWO	29	6215,919738	4579,113968		78	A	A00b	26360A00b	STWO	39	34	-5	-10	6,277.225	4,412.051	-5.75	-9.3
5397,424732	3169,661037		26360A00c	EGWO	35	5397,424732	3554,464029		7	A	A00c	26360A00c	EGWO	44	47	3	-9	4,694.765	3,144.662	2.65	-9.3
6467,038186	4249,119846		26360A00c	STWO	30	6467,038186	4547,536492		190	A	A00c	26360A00c	STWO	38	34	-4	-8	6,277.225	4,412.051	-3.65	-9.3
7182,881666	3751,23925		26360A00d	EGWO	34	7182,881666	4363,956404		4	A	A00d	26360A00d	EGWO	44	46	2	-10	7,859.686	3,567.125	2.65	-9.3
7407,920423	4485,185068		26360A00d	STWO	36	7407,920423	4755,697082		67	A	A00d	26360A00d	STWO	43	40	-3	-7	7,859.686	4,412.051	-3.65	-5.5
5498,823529			26360A00e	EGWO	36	5498,823529	3309,205151		3	A	A00e	26360A00e	EGWO	44	46	2	-8	6,277.225		2.65	-9.3
6738,637774	4294,670598		26360A00e	STWO	32	6738,637774	4579,265015		65	A	A00e	26360A00e	STWO	41	37	-4	-9	6,277.225	4,412.051	-3.65	-9.3
5000			26417M29b	EGWO		5000	3272,8363		1	M	M29b	26417M29b	EGWO					4,694.765			
6685,592168	4134,962637		26417M29b	STWO	45	6685,592168	3681,843865		83	M	M29b	26417M29b	STWO	40	38	-2	5	6,277.225	3,989.588	-1.55	5.9
3910,819436	3281,866209		26425F81b	STWO	19	3910,819436	3143,538296		368	F	F81b	26425F81b	STWO	18	17	-1	1	4,694.765	3,144.662	-1.55	2.1
5594,46347	4027,497082		26441M56c	STWO	40	5594,46347	4287,428795		48	M	M56c	26441M56c	STWO	31	31	0	9	6,277.225	3,989.588	0.55	9.7
8007,452025	4295,677276		26468K46b	STWO	49	8007,452025	2926,756451		97	K	K46b	26468K46b	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6350,611688	3178,846154		26476K52g	EGWO	49	6350,611688	2511,447083		12	K	K52g	26476K52g	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5042,538202	2647,766693		26484K90i	EGWO	49	5042,538202	2375,235479		15	K	K90i	26484K90i	EGWO	48	48	0	1	4,694.765	2,722.199	0.55	2.1
5248,925987	3664,503174		26492K91b	STWO	33	5248,925987	3484,434941		152	K	K91b	26492K91b	STWO	33	27	-6	0	4,694.765	3,567.125	-5.75	-1.7
5874,487688	3901,155348		26506N60a	STWO	42	5874,487688	3256,825407		9	N	N60a	26506N60a	STWO	27	32	5	15	6,277.225	3,989.588	4.75	13.5
10473,10127			26548K48b	EGWO	49	10473,10127	2364,6911		2	K	K48b	26549K48b	EGWO					11,024.607			
8332,512669	4686,67984		26549K48b	STWO	49	8332,512669	4012,246694		68	K	K48b	26549K48b	STWO	48	44	-4	1	7,859.686	4,834.514	-3.65	2.1
7609,987822	4519,283448		26549K48c	STWO	49	7609,987822	3776,012314		77	K	K48c	26549K48c	STWO	45	41	-4	4	7,859.686	4,412.051	-3.65	2.1
11030,837	4089,262236		26565K48b	EGWO	49	11030,837	2873,6921		1	K	K48b	26565K48b	EGWO					11,024.607	3,989.588		
6547,826087	3836,46877		26565K48b	STWO	49	6547,826087	2569,092882		1	K	K48b	26565K48b	STWO	46	42	-4	3	6,277.225	3,989.588	-3.65	2.1
6209,467426	3840,734775		26565K48f	STWO	49	6209,467426	2753,88515		30	K	K48f	26565K48f	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
7065,199321	4053,076527		26565K49d	STWO	49	7065,199321	2563,040008		28	K	K49d	26565K49d	STWO	49	45	-4	0	6,277.225	3,989.588	-3.65	-1.7
10177,71883			26565K49e	EGWO	49	10177,71883	2348,3375		1	K	K49e	26565K49e	EGWO	49	49	0	0	9,442.146		0.55	-1.7
7323,712741	4015,746764		26565K49e	STWO	49	7323,712741	2565,845096		63	K	K49e	26565K49e	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
6889,326368	3937,157135		26565K49f	STWO	49	6889,326368	2589,920227		26	K	K49f	26565K49f	STWO	46	43	-3	3	6,277.225	3,989.588	-3.65	2.1
11014,5206	3886,180871		26573K48b	EGWO	49	11014,5206	2657,47615		4	K	K48b	26573K48b	EGWO					11,024.607	3,989.588		
7780,507169	4520,458413		26581K48b	STWO	49	7780,507169	3789,990846		100	K	K48b	26581K48b	STWO	46	42	-4	3	7,859.686	4,412.051	-3.65	2.1
7126,300967	4358,913485		26581K48c	STWO	49	7126,300967	3575,525121		241	K	K48c	26581K48c	STWO	43	39	-4	6	7,859.686	4,412.051	-3.65	5.9
5729,564918	4012,948597		26603M31c	STWO	28	5729,564918	4257,458419		30	M	M31c	26603M31c	STWO	29	30	1	-1	6,277.225	3,989.588	0.55	-1.7
6129,074376	3886,161658		26611M58h	STWO	43	6130,630477	3449,028305		266	M	M58h	26611M58h	STWO	36	36	0	7	6,277.225	3,989.588	0.55	5.9
7621,114583	4498,626212		26638A08a	STWO	45	7621,114583	4086,876347		30	A	A08a	26638A08a	STWO	43	41	-2	2	7,859.686	4,412.051	-1.55	2.1
6236,842105	3306,541032		26646M57a	EGWO	49	6236,842105	2969,3		6	M	M57a	26646M57a	EGWO	47	47	0	2	6,277.225	3,144.662	0.55	2.1
5956,401122	4196,123021		26646M57a	STWO	43	5956,401122	3412,763889		65	M	M57a	26646M57a	STWO	31	29	-2	12	6,277.225	3,989.588	-1.55	13.5
7506,942887	4375,882325		26654A04h	STWO	41	7506,942887	4442,158523		7	A	A04h	26654A04h	STWO	44	42	-2	-3	7,859.686	4,412.051	-1.55	-1.7
4674,845827	3522,53826		26662K91c	STWO	30	4674,845827	3266,768749		21	K	K91c	26662K91c	STWO	32	24	-8	-2	4,694.765	3,567.125	-7.85	-1.7
5224,330084	3983,79474		26670K90a	STWO	31	5224,330084	3631,864184		75	K	K90a	26670K90a	STWO	31	29	-2	0	4,694.765	3,989.588	-1.55	-1.7
7564,516129			26689M57a	EGWO	49	7564,516129			6	M	M57a	26689M57a	EGWO	44	47	3	5	7,859.686		2.65	5.9
5643,708388	4060,673289		26689M57a	STWO	42	5643,708388	3282,63486		95	M	M57a	26689M57a	STWO	29	28	-1	13	6,277.225	3,989.588	-1.55	13.5
4080,838299	3444,230632		26719N61b	STWO	35	4080,838299	2659,062945		10	N	N61b	26719N61b	STWO	23	17	-6	12	4,694.765	3,567.125	-5.75	13.5
3991,150442	3266,499155		26727F80b	STWO		3991,150442	2295		1	F	F80b	26727F80b	STWO					4,694.765	3,144.662		
5822,692308	3911,450366		26727F80c	EGWO	32	5822,692308	3717,30562		4	F	F80c	26727F80c	EGWO		32			6,277.225	3,989.588		
3474,469775	3227,675816		26727F81b	STWO	12	3474,469775	3227,2895		60	F	F81b	26727F81b	STWO	10	7	-3	2	3,112.304	3,144.662	-3.65	2.1
7454,788854	4219,020336		26735A07h	STWO	49	7454,788854	3555,241799		9	A	A07h	26735A07h	STWO	46	42	-4	3	7,859.686	4,412.051	-3.65	2.1
4266,666667	2353,570381		26743M33b	EGWO	49	4266,666667	2383,5874		1	M	M33b	26743M33b	EGWO	48	47	-1	1	4,694.765	2,299.736	-1.55	2.1
5649,821663	3765,085979		26743M33b	STWO	34	5649,821663	3745,300804		390	M	M33b	26743M33b	STWO	35	34	-1	-1	6,277.225	3,567.125	-1.55	-1.7
7056,818182	4062,076647		26778A09d	EGWO		7056,818182	4805,7646		1	A	A09d	26778A09d	EGWO					6,277.225	3,989.588		
6270,867712	4222,27287		26786A09d	STWO	34	6300,234194	4162,391139		80	A	A09d	26786A09d	STWO	35	33	-2	-1	6,277.225	4,412.051	-1.55	-1.7
5083,403429	3714,742481		26786A09e	STWO	32	5083,403429	3178,089575		12	A	A09e	26786A09e	STWO	35	27	-8	-3	4,694.765	3,567.125	-7.85	-1.7
7796,752171	3546,453241		26808A09d	EGWO		7848,160771	3277,6902		13	A	A09d	26808A09d	EGWO					7,859.686	3,567.125		
6527,34965	4359,845539		26808A09d	STWO	38	6534,972222	4198,186433		144	A	A09d	26808A09d	STWO	38	35	-3	0	6,277.225	4,412.051	-3.65	-1.7
4440	3061,66436		26816M56h	EGWO		4440	3714,2738		1	M	M56h	26816M56h	EGWO					4,694.765	3,144.662		
6431,041319	3821,509024		26816M56h	STWO	36	6431,041319	3583,753282		6	M	M56h	26816M56h	STWO	32	34	2	4	6,277.225	3,989.588	2.65	2.1
9872,110526	4785,954159		26816M56i	EGWO		9872,110526	4873,198765		2	M	M56i	26816M56i	EGWO					9,442.146	4,834.514		
7167,900908	4173,951768		26832A04a	STWO	46	7167,900908	3874,196888		58	A	A04a	26832A04a	STWO	44	42	-2	2	7,859.686	3,989.588	-1.55	2.1
7106,471245	4044,488653		26859M28a	STWO	49	7106,471245	2988,727004		17	M	M28a	26859M28a	STWO	43	42	-1	6	7,859.686	3,989.588	-1.55	5.9
6295,113809	3187,938932		26859M28c	EGWO	47	6295,113809	3331,384912		13	M	M28c	26859M28c	EGWO		49			6,277.225	3,144.662		
6752,672632	3978,146489		26859M28c	STWO	49	6752,672632	2857,176654		144	M	M28c	26859M28c	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7991,782208	4815,496922		26867A04f	STWO	43	7991,782208	5253,94555		8	A	A04f	26867A04f	STWO	42	40	-2	1	7,859.686	4,834.514	-1.55	2.1
8074,281609	4384,792164		26875M29c	EGWO	49	8074,281609	4720,962		2	M	M29c	26875M29c	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
5775,396825	3689,652206		26875M29c	STWO	42	5775,396825	2525,850632		2	M	M29c	26875M29c	STWO	41	38	-3	1	6,277.225	3,567.125	-3.65	2.1
5703,125	3830,488955		26883N62b	EGWO	38	5703,125	3534,080952		16	N	N62b	26883N62b	EGWO	33	33	0	5	6,277.225	3,989.588	0.55	5.9
6773,917204	4299,799214		26905E13e	STWO	49	6773,917204	3483,220364		44	E	E13e	26905E13e	STWO	40	36	-4	9	6,277.225	4,412.051	-3.65	9.7
6316,868543	4011,603648		26905E13f	STWO	49	6316,868543	3214,80961		109	E	E13f	26905E13f	STWO	40	36	-4	9	6,277.225	3,989.588	-3.65	9.7
4593,217016	3034,993892		26913N66b	STWO	22	4593,217016	3269,614836		76	N	N66b	26913N66b	EGWO		29			4,694.765	3,144.662		
4347,315593	3599,107515		26913N66b	STWO	31	4347,315593	3000,870662		9	N	N66b	26913N66b	STWO	20	15	-5	11	4,694.765	3,567.125	-5.75	9.7
4935,897436	3100,786125		26913N66e	EGWO		4935,897436	3729,23		1	N	N66e	26913N66e	EGWO					4,694.765	3,144.662		
3928,884897	2615,671777		26921F83a	EGWO	32	3928,884897	2674,232466		18	F	F83a	26921F83a	EGWO	31	33	2	1	4,694.765	2,722.199	2.65	2.1
6943,820225	4174,928964		26948A03f	STWO	35	6943,820225	3697,07		1	A	A03f	26948A03f	STWO	42	38	-4	-7	6,277.225	3,989.588	-3.65	-5.5
5648,158739	2819,113252		26964K91c	EGWO	49	5648,158739	2692,241371		19	K	K91c	26964K91c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
10597,01307			26972K46c	EGWO		10597,01307	3142,448667		28	K	K46c	26972K46c	EGWO					11,024.607			
7836,705313	4295,400344		26972K46c	STWO	49	7830,940144	2770,309548		45	K	K46c	26972K46c	STWO					7,859.686	4,412.051		
6311,71255	3840,542357		26980M29c	STWO	43	6311,71255	3484,787518		57	M	M29c	26980M29c	STWO	40	38	-2	3	6,277.225	3,989.588	-1.55	2.1
4887,326656	3624,800178		27030N65b	EGWO	33	4887,326656	3406,004185		4	N	N65b	27030N65b	EGWO	28	32	4	5	4,694.765	3,567.125	4.75	5.9
4915,982272	3432,116158		27049N65b	EGWO	32	4915,982272	3345,604274		19	N	N65b	27049N65b	EGWO	26	30	4	6	4,694.765	3,567.125	4.75	5.9
7232,694226	4309,05919		27065E42c	STWO	49	7232,694226	3611,722399		181	E	E42c	27065E42c	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7207,718047	4327,518188		27065E42d	STWO	49	7207,718047	3663,823944		94	E	E42d	27065E42d	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6443,083272	4079,937097		27073E38d	STWO	49	6443,083272	3133,104753		268	E	E38d	27073E38d	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
6786,842512	4247,535359		27073E41c	STWO	49	6786,842512	3320,506585		270	E	E41c	27073E41c	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
6838,489672	4272,537524		27073E42c	STWO	48	6838,489672	3552,617518		298	E	E42c	27073E42c	STWO	40	37	-3	8	6,277.225	4,412.051	-3.65	9.7
6796,928712	4256,564187		27073E42d	STWO	47	6796,928712	3627,469463		191	E	E42d	27073E42d	STWO	39	37	-2	8	6,277.225	4,412.051	-1.55	9.7
3462,478739	3335,517312		27081F81a	STWO	7	3462,478739	3508,230415		216	F	F81a	27081F81a	STWO	10	8	-2	-3	3,112.304	3,144.662	-1.55	-1.7
4288,13799	3719,738399		27081F82a	STWO	13	4288,13799	3689,915981		46	F	F82a	27081F82a	STWO	13	14	1	0	4,694.765	3,567.125	0.55	-1.7
4289,734751	2549,666964		27081F82b	EGWO	44	4289,734751	2391,898682		27	F	F82b	27081F82b	EGWO	36	40	4	8	4,694.765	2,722.199	4.75	9.7
3971,654167	3323,614013		27081F82b	STWO	18	3971,654167	3244,964528		288	F	F82b	27081F82b	STWO	19	16	-3	-1	4,694.765	3,144.662	-3.65	-1.7
3413,696697	3234,756764		27081F83a	STWO	5	3413,696697	3393,460534		48	F	F83a	27081F83a	STWO	10	5	-5	-5	3,112.304	3,144.662	-5.75	-5.5
4448,667602	3141,361169		27138F80b	EGWO	21	4448,667602	3415,504866		135	F	F80b	27138F80b	EGWO	25	28	3	-4	4,694.765	3,144.662	2.65	-5.5
6204,819277	4262,995198		27138F82b	EGWO	42	6204,819277	4546,77		1	F	F82b	27138F82b	EGWO	36	39	3	6	6,277.225	4,412.051	2.65	5.9
4817,434532	3009,493059		27138F84c	EGWO	34	4817,434532	3512,999936		9	F	F84c	27138F84c	EGWO	28	36	8	6	4,694.765	3,144.662	8.95	5.9
4508,149172	3031,025479		27138F88j	EGWO	32	4508,149172	3004,427195		73	F	F88j	27138F88j	EGWO	26	30	4	6	4,694.765	3,144.662	4.75	5.9
4525,40749	3525,770923		27138F88j	STWO	31	4525,40749	3014,443679		9	F	F88j	27138F88j	STWO	22	17	-5	9	4,694.765	3,567.125	-5.75	9.7
3539,509971	3385,392152		27146F81c	STWO	12	3539,509971	3505,305809		501	F	F81c	27146F81c	STWO	14	13	-1	-2	3,112.304	3,567.125	-1.55	-1.7
6602,93303	3082,523786		27162M55h	EGWO	49	6602,93303	2793,786261		8	M	M55h	27162M55h	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5554,879282	3622,8121		27170N62b	EGWO	37	5554,879282	3547,260143		32	N	N62b	27170N62b	EGWO	36	35	-1	1	6,277.225	3,567.125	-1.55	2.1
4785,094601	3608,877994		27189F89c	STWO	32	4785,094601	3236,973258		269	F	F89c	27189F89c	STWO	28	27	-1	4	4,694.765	3,567.125	-1.55	2.1
8843,396774	4148,320615		27197K91c	EGWO	49	8843,396774	4000,017731		4	K	K91c	27197K91c	EGWO	48	47	1	1	9,442.146	3,989.588	1.55	2.1
6108,460395	2949,38109		27227K90c	EGWO	49	6108,460395	2666,519187		19	K	K90c	27227K90c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
4861,824496	2881,419138		27235K90d	EGWO	48	4861,824496	2353,766518		19	K	K90d	27235K90d	EGWO	44	42	-2	4	4,694.765	2,722.199	-1.55	2.1
6319,53125	4316,729881		27243A01c	EGWO		7100			1	A	A01c	27243A01c	EGWO	39				6,277.225	4,412.051		
6359,306485	4513,267792		27243A01c	STWO	33	6359,306485	5315,09745		22	A	A01c	27243A01c	STWO	39	34	-5	-6	6,277.225	4,412.051	-5.75	-5.5
5827,586207	3862,774392		27251A00c	STWO	30	5827,586207	3640,76		1	A	A00c	27251A00c	STWO	39	35	-4	-9	6,277.225	3,989.588	-3.65	-9.3
6945,193969	4553,355033		27251A00e	STWO	29	6945,193969	5229,869585		7	A	A00e	27251A00e	STWO	40	34	-6	-11	6,277.225	4,412.051	-5.75	-9.3
6231,537944	4505,625416		27278A00c	STWO	27	6231,537944	5019,55664		26	A	A00c	27278A00c	STWO	37	32	-5	-10	6,277.225	4,412.051	-5.75	-9.3
7449,01996	4616,035717		27278A00e	STWO	29	7449,01996	5357,458704		14	A	A00e	27278A00e	STWO	42	38	-4	-13	7,859.686	4,412.051	-3.65	-13.1
6656,299058	4185,685165		27286K53a	STWO	48	6656,299058	3455,701143		87	K	K53a	27286K53a	STWO	40	37	-3	8	6,277.225	3,989.588	-3.65	9.7
8672,37511	4311,315181		27294A02b	EGWO	49	8672,37511	4476,91555		3	A	A02b	27294A02b	EGWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
7850,592024	4627,260016		27294A02b	STWO	43	7850,592024	4726,047831		12	A	A02b	27294A02b	STWO	45	41	-4	-2	7,859.686	4,834.514	-3.65	-1.7
6597,011648	3401,512542		27308A06g	EGWO	45	6597,011648	4109,3867		3	A	A06g	27308A06g	EGWO	49	49	0	-4	6,277.225	3,567.125	0.55	-5.5

7197,586015	4512,320052	[redacted]	27308A06g	STWO	41	7197,586015	4366,708943	[redacted]	93	A	A06g	27308A06g	STWO	42	39	-3	-1	7,859.686	4,412.051	-3.65	-1.7
3994,910589	2766,555209		27316F83a	EGWO	29	3994,910589	2840,485866		26	F	F83a	27316F83a	EGWO	28	31	3	1	4,694.765	2,722.199	2.65	2.1
6648,717949	4225,596811		27367A01d	EGWO	30	6648,717949	4955,38		2	A	A01d	27367A01d	EGWO	43	44	1	-13	6,277.225	4,412.051	0.55	-13.1
7178,953146	4452,655891		27367A01d	STWO	32	7178,953146	4794,969467		24	A	A01d	27367A01d	STWO	39	36	-3	-7	7,859.686	4,412.051	-3.65	-5.5
12728,75494			27375A02c	EGWO	49	12728,75494			2	A	A02c	27375A02c	EGWO	49	49	0	0	12,607.067		0.55	-1.7
7531,40133	4452,393591		27375A02c	STWO	46	7531,40133	4071,442287		9	A	A02c	27375A02c	STWO	47	41	-6	-1	7,859.686	4,412.051	-5.75	-1.7
7553,820025	3662,967584		27391A04d	EGWO	43	7553,820025	4265,284843		7	A	A04d	27391A04d	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7006,297833	4431,508752		27391A04d	STWO	37	7006,297833	4472,66165		63	A	A04d	27391A04d	STWO	39	37	-2	-2	6,277.225	4,412.051	-1.55	-1.7
5146,067416			27405A00a	EGWO	32	5146,067416			1	A	A00a	27405A00a	EGWO	43	45	2	-11	4,694.765		2.65	-9.3
6742,647059	4534,107431		27405A00a	STWO	30	6742,647059	5116,68375		2	A	A00a	27405A00a	STWO	38	35	-3	-8	6,277.225	4,412.051	-3.65	-9.3
5500	3900,013846		27405A00b	STWO	27	5500	4241,2647		1	A	A00b	27405A00b	STWO	36	32	-4	-9	6,277.225	3,989.588	-3.65	-9.3
5988,865546	4094,325895		27405A01c	STWO	33	5988,865546	4187,33545		2	A	A01c	27405A01c	STWO	39	34	-5	-6	6,277.225	3,989.588	-5.75	-5.5
6843,859038	4489,014784		27405A01e	STWO	29	6843,859038	4899,415769		9	A	A01e	27405A01e	STWO	38	34	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7167,380734	4724,087167		27413A00c	STWO	26	7167,380734	5347,98518		12	A	A00c	27413A00c	STWO	37	34	-3	-11	7,859.686	4,834.514	-3.65	-9.3
6555,940891	3977,672397		27421A00b	EGWO	30	6555,940891	4777,0016		5	A	A00b	27421A00b	EGWO	39	41	2	-9	6,277.225	3,989.588	2.65	-9.3
5840,804559	4084,725297		27421A00b	STWO	22	5840,804559	4578,88665		29	A	A00b	27421A00b	STWO	34	29	-5	-12	6,277.225	3,989.588	-5.75	-13.1
7535,757576	4661,319464		27448A00e	STWO	34	7535,757576	5415,156806		3	A	A00e	27448A00e	STWO	42	36	-6	-8	7,859.686	4,834.514	-5.75	-9.3
6850,495827	3172,322163		27499A04d	EGWO	48	6850,495827	3242,395125		5	A	A04d	27499A04d	EGWO	49	49	0	-1	6,277.225	3,144.662	0.55	-1.7
7017,02675	4474,660057		27499A04d	STWO	32	7017,02675	4819,003068		31	A	A04d	27499A04d	STWO	38	36	-2	-6	6,277.225	4,412.051	-1.55	-5.5
6865,921788	3371,704351		27499A04e	EGWO	41	6865,921788	3986,0059		1	A	A04e	27499A04e	EGWO	47	48	1	-6	6,277.225	3,567.125	0.55	-5.5
6973,389521	4270,161302		27499A04e	STWO	41	6973,389521	4135,568564		51	A	A04e	27499A04e	STWO	41	39	-2	0	6,277.225	4,412.051	-1.55	-1.7
6936,17179	4230,15716		27499A04f	STWO	48	6936,17179	3914,166738		73	A	A04f	27499A04f	STWO	43	41	-2	5	6,277.225	4,412.051	-1.55	5.9
6662,474024	4141,727687		27561M27b	STWO	49	6662,474024	3171,0447		130	M	M27b	27561M27b	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
4791,187608	2811,334729		27618K90d	EGWO	49	4791,187608	2325,775338		19	K	K90d	27618K90d	EGWO	43	42	-1	6	4,694.765	2,722.199	-1.55	5.9
5192,419872	3433,456582		27626N63a	EGWO	37	5192,419872	3258,354378		20	N	N63a	27626N63a	EGWO	31	34	3	6	4,694.765	3,567.125	2.65	5.9
4522,124825	3517,133147		27650F87d	STWO	24	4522,124825	3360,955117		194	F	F87d	27650F87d	STWO	18	20	2	6	4,694.765	3,567.125	2.65	5.9
7211,84597	4098,076053		27677E20a	STWO	49	7211,84597	2912,993968		69	E	E20a	27677E20a	STWO	44	42	-2	5	7,859.686	3,989.588	-1.55	5.9
7043,19956	3554,253055		27677E20b	EGWO	49	7043,19956	3788,206487		4	E	E20b	27677E20b	EGWO					6,277.225	3,567.125		
6890,595648	4129,456411		27677E20b	STWO	49	6890,595648	3011,577099		235	E	E20b	27677E20b	STWO	43	40	-3	6	6,277.225	3,989.588	-3.65	5.9
6814,724608	4117,302378		27677E20c	STWO	49	6814,724608	3116,144012		99	E	E20c	27677E20c	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
5912,333121			27677E21a	EGWO		5912,333121	2798,54585		2	E	E21a	27677E21a	EGWO					6,277.225			
7153,886589	4159,505477		27677E21a	STWO	49	7153,886589	3088,065339		313	E	E21a	27677E21a	STWO	42	42	0	7	7,859.686	3,989.588	0.55	5.9
7810,935254	3939,356028		27677E21b	EGWO	49	7810,935254	3902,962061		9	E	E21b	27677E21b	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
6938,442513	4122,313707		27677E21b	STWO	49	6938,442513	3224,599623		184	E	E21b	27677E21b	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
8809,210526	3866,662076		27677E22a	EGWO		8809,210526	3800,8854		1	E	E22a	27677E22a	EGWO					9,442.146	3,989.588		
7683,141691	4336,246025		27677E22a	STWO	49	7683,141691	3240,822175		93	E	E22a	27677E22a	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
8820,451081	3841,877656		27677E22b	EGWO		9692,297696	4172,200682		3	E	E22b	27677E22b	EGWO		49			9,442.146	3,989.588		
6273,547553	4001,871971		27677E22b	STWO	49	6276,780151	3112,830418		107	E	E22b	27677E22b	STWO	42	37	-5	7	6,277.225	3,989.588	-5.75	5.9
4084,441115	3738,210905		27685N68c	STWO	6	4084,441115	4174,382479		45	N	N68c	27685N68c	STWO	10	9	-1	-4	4,694.765	3,567.125	-1.55	-5.5
4751,314122	3658,761107		27693K90c	STWO	25	4751,314122	3538,116531		45	K	K90c	27693K90c	STWO	30	23	-7	-5	4,694.765	3,567.125	-7.85	-5.5
8048,616289	4353,513832		27715K47b	STWO	49	8048,616289	3106,127491		205	K	K47b	27715K47b	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
10102,02471	4118,365923		27715K47c	EGWO	49	10102,02471	3612,38088		6	K	K47c	27715K47c	EGWO		49			9,442.146	3,989.588		
9101,095082	4358,663069		27715K47c	STWO		9101,095082	3094,343518		89	K	K47c	27715K47c	STWO					9,442.146	4,412.051		
6875,392053	4111,808557		27758M30b	STWO	49	6875,392053	3292,810387		31	M	M30b	27758M30b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7865,470302	4387,316418		27766A03e	STWO	46	7865,470302	4154,68305		51	A	A03e	27766A03e	STWO	44	40	-4	2	7,859.686	4,412.051	-3.65	2.1
10190,90909	4416,908073		27790E22a	EGWO		10190,90909	4110,2512		1	E	E22a	27790E22a	EGWO					9,442.146	4,412.051		
8222,378874	4372,202026		27790E22a	STWO	49	8222,378874	3193,588575		12	E	E22a	27790E22a	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
7659,750722	4775,870322		27804A01g	STWO	33	7659,750722	5194,115061		4	A	A01g	27804A01g	STWO		38			7,859.686	4,834.514		
5123,639987	3760,045122		27812M31c	STWO	38	5143,71676	3064,745184		55	M	M31c	27812M31c	STWO	30	27	-3	8	4,694.765	3,567.125	-3.65	9.7
9444,751381			27820K47c	EGWO	49	9444,751381	2352,3624		1	K	K47c	27820K47c	EGWO		49			9,442.146			
8111,729778	4215,760247		27820K47c	STWO		8111,729778	2725,082755		64	K	K47c	27820K47c	STWO					7,859.686	4,412.051		
7078,77193	4373,262329		27839K26c	STWO	49	7078,77193	3553,920471		19	K	K26c	27839K26c	STWO	42	38	-4	7	7,859.686	4,412.051	-3.65	5.9
7218,152036	3833,321872		27847A06a	EGWO	40	7218,152036	4510,8243		2	A	A06a	27847A06a	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
6695,457428	4192,59262		27847A06a	STWO	45	6695,457428	3511,524233		6	A	A06a	27847A06a	STWO	43	40	-3	2	6,277.225	3,989.588	-3.65	2.1
7301,328718	3833,956861		27855A06a	EGWO	42	7301,328718	4231,929661		6	A	A06a	27855A06a	EGWO	49	49	0	-7	7,859.686	3,567.125	0.55	-5.5
7798,377336	4634,272944		27855A06a	STWO	41	7798,377336	4624,288925		147	A	A06a	27855A06a	STWO	43	40	-3	-2	7,859.686	4,834.514	-3.65	-1.7
7931,027576	4151,431324		27863A06a	EGWO	40	7931,027576	4584,498546		5	A	A06a	27863A06a	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
7631,953383	4542,58615		27863A06a	STWO	40	7631,953383	4535,878064		83	A	A06a	27863A06a	STWO	43	39	-4	-3	7,859.686	4,412.051	-3.65	-1.7
6342,397407	3023,898779		27901M33a	EGWO	49	6342,397407	2548,218582		81	M	M33a	27901M33a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5672,427242	3822,76684		27901M33e	STWO	35	5672,427242	3509,223206		31	M	M33e	27901M33e	STWO	35	33	-2	0	6,277.225	3,989.588	-1.55	-1.7
5215,533445	3194,447138		27936N67a	EGWO	38	5215,533445	3228,08528		16	N	N67a	27936N67a	EGWO	34	38	4	4	4,694.765	3,144.662	4.75	2.1
3680,555556	3177,983264		27944N71c	STWO	40	3680,555556	2160,76		1	N	N71c	27944N71c	STWO	31	30	-1	9	3,112.304	3,144.662	-1.55	9.7
4575,609756	3637,485651		27960N60b	STWO	39	4575,609756	2577,480699		2	N	N60b	27960N60b	STWO	28	27	-1	11	4,694.765	3,567.125	-1.55	9.7
2980,769231	2088,504244		27960N71c	EGWO	40	2980,769231	2216,66		1	N	N71c	27960N71c	EGWO		41			3,112.304	2,299.736		
5472,156932	3936,03347		27960N71c	STWO	35	5472,156932	3583,366243		48	N	N71c	27960N71c	STWO	27	27	0	8	4,694.765	3,989.588	0.55	9.7
6897,715538	4092,76262		28002E43a	STWO	49	6897,715538	3142,195449		122	E	E43a	28002E43a	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
6783,479128	3987,794401		28010E43a	STWO	49	6783,479128	2924,733556		232	E	E43a	28010E43a	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7161,122974	4415,858892		28037K23d	STWO	44	7161,122974	3978,927336		84	K	K23d	28037K23d	STWO	42	38	-4	2	7,859.686	4,412.051	-3.65	2.1
6113,99504	3765,833387		28037K48f	STWO	49	6113,99504	2603,752548		64	K	K48f	28037K48f	STWO	43	39	-4	6	6,277.225	3,567.125	-3.65	5.9
6916,72136	3940,41297		28037K49f	STWO	49	6916,72136	2605,59878		67	K	K49f	28037K49f	STWO	47	43	-4	2	6,277.225	3,989.588	-3.65	2.1
5254,935094	3481,66643		28037K59a	STWO	34	5254,935094	3392,335647		84	K	K59a	28037K59a	STWO	37	33	-4	-3	4,694.765	3,567.125	-3.65	-1.7
7221,189823	3089,624326		28045M56c	EGWO	49	7221,189823	2761,74963		6	M	M56c	28045M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6810,057717	3939,809076		28045M56c	STWO	49	6810,057717	2723,692241		8	M	M56c	28045M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
7851,226981	3955,356277		28053A06h	STWO	43	7851,226981	4412,801774		8	A	A06h	28053A06h	EGWO	49	49	0	-6	7,859.686	3,989.588	0.55	-5.5
8159,812076	4680,668649		28053A06h	STWO	48	8159,812076	4292,125056		27	A	A06h	28053A06h	STWO	45	44	-1	3	7,859.686	4,834.514	-1.55	2.1
7982,54961	4180,80582		28061A06h	EGWO	45	7982,54961	4725,66626		5	A	A06h	28061A06h	EGWO	49	48	-1	-4	7,859.686	3,989.588	-1.55	-5.5
7799,626452	4375,715152		28061A06h	STWO	49	7799,626452	3742,688331		55	A	A06h	28061A06h	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
6920,088775	4193,619912		28088K26c	STWO	49	6920,088775	3444,601719		19	K	K26c	28088K26c	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
7177,803143	3237,199313		28096M55h	EGWO	49	7177,803143	3145,959774		39	M	M55h	28096M55h	EGWO		49			7,859.686	3,144.662		
6078,513872	3986,763697		28096M55h	STWO	46	6078,513872	3084,676979		22	M	M55h	28096M55h	STWO	35	36	1	11	6,277.225	3,989.588	0.55	9.7
5881,07725	3859,66376		28134A00b	STWO	27	5881,07725	3053,5879		2	A	A00b	28134A00b	STWO	36	32	-4	-9	6,277.225	3,989.588	-3.65	-9.3
7011,198482	4179,366355		28169K48f	STWO	49	7011,198482	3286,475395		78	K	K48f	28169K48f	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
4157,271508	2913,359784		28177F77c	EGWO	27	4157,271508	3019,654478		97	F	F77c	28177F77c	EGWO	27	29	2	0	4,694.765	2,722.199	2.65	-1.7
9873,846154			28215K47b	EGWO	49	9873,846154	3154,2348		1	K	K47b	28215K47b	EGWO					9,442.146			
8572,991285			28215K47b	STWO	49	8572,991285	2955,808105		14	K	K47b	28215K47b	STWO		46			7,859.686			
8445,016946	4393,648439		28215K47h	STWO	49	8445,016946	2996,021414		5	K	K47h	28215K47h	STWO	49	48	-1	0	7,859.686	4,412.051	-1.55	-1.7
5768,615143	3765,680916		28258K52g	STWO	37	5768,615143	3069,676565		35	K	K52g	28258K52g	STWO	41	34	-7	-4	6,277.225	3,567.125	-7.85	-5.5
4820,787469	3236,285563		28266N65b	EGWO	34	4820,787469	3175,22635		10	N	N65b	28266N65b	EGWO	28	33	5	6	4,694.765	3,144.662	4.75	5.9
6097,598208	4259,762563		28274M55h	STWO	36	6097,598208	4732,852055		33	M	M55h	28274M55h	STWO	30	30	0	6	6,277.225	4,412.051	0.55	5.9
3898,176946	2689,758324		28304F83a	EGWO	30	3898,176946	2749,593986		25	F	F83a	28304F83a	EGWO	27	31	4	3	3,112.304	2,722.199	4.75	2.1
6923,297832	4228,92334		28312K26b	STWO	49	6923,297832	3420,949777		12	K	K26b	28312K26b	STWO	43	39	-4	6	6,277.225	4,412.051	-3.65	5.9
6897,950529	4418,612763		28320A04c	STWO	33	6897,950529	4658,729325		28	A	A04c	28320A04c	STWO	38	36	-2	-5	6,277.225	4,412.051	-1.55	-5.5
3920,177384	2782,211785		28355N65a	EGWO	27	3920,177384	2862,744545		11	N	N65a	28355N65a	EGWO	22	29	7	5	4,694.765	2,722.199	6.85	5.9
4895,750875	3689,850352		28363K90c	STWO	28	4895,750875	3524,964		45	K	K90c	28363K90c	STWO	29	24	-5	-1	4,694.765	3,567.125	-5.75	-1.7
4781	3196,553961		28371N65c	EGWO	33	4781	3225,218664		25	N	N65c	28371N65c	EGWO	29	33	4	4	4,694.765	3,144.662	4.75	2.1
11484,84848	4575,952803		28401K59a	EGWO	49	11484,84848	3475,2965		1	K	K59a	28401K59a	EGWO	49	49	0	0	11,024.607	4,412.051	0.55	-1.7
3219,911931	3072,951437		28428N66f	STWO	8	3219,911931	2985,957871		80	N	N66f	28428N66f	STWO	7	7	0	1	3,112.304	3,144.662	0.55	2.1
4590,215182	3866,522822		28444F85c	STWO	9	4590,215182	4236,206629		36	F	F85c	28444F85c	STWO	17	15	-2	-8	4,694.765	3,989.588	-1.55	-9.3
4122,708191	2853,745187		28460F78d	EGWO	29	4122,708191	2925,26268		47	F	F78d	28460F78d	EGWO	28	31	3	1	4,694.765	2,722.199	2.65	2.1
6787,768893	4118,050663		28479K25d	STWO	49	6787,768893	3181,645133		74	K	K25d	28479K25d	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
4130,716954	2838,839586		28533F78b	EGWO	30	4130,716954	2879,277232		21	F	F78b	28533F78b	EGWO	28	31	3	2	4,694.765	2,722.199	2.65	2.1
3811,313326	3547,175013		28533F78b	STWO	34	3811,313326	2806,249428		5	F	F78b	28533F78b	STWO	20	19	-1	14	3,112.304	3,567.125	-1.55	13.5
7087,898287	4219,583203		28576K44c	STWO	49	7087,898287	3290,116521		120	K	K44c	28576K44c	STWO	42	40	2	7	7,859.686	4,412.051	1.55	5.9
5903,004624	3654,8438		28584M33a	STWO	40	5903,004624	3036,506867		12	M	M33a	28584M33a	STWO	36	33	-3	4	6,277.225	3,567.125	-3.65	2.1
3880,599676	2561,367601		28606F86a	EGWO	40	4021,434902	2513,35		9	F	F86a	28606F86a	EGWO	33	36	3	7	3,112.304	2,722.199	2.65	5.9
3787,381784	3519,462886		28606F86a	STWO	21	3787,381784	3503,189811		83	F	F86a	28606F86a	STWO	14	15	1	7	3,112.304	3,567.125	0.55	5.9
3977,474359	2948,232126		28622F81e	EGWO	23	3977,474359	3081,06941		35	F	F81e	28622F81e	EGWO	27	26	-1	-4	4,694.765	3,144.662	-1.55	-5.5
7372,036453	4322,407943		28630K25a	STWO	49	7372,036453	3417,840011		97	K	K25a	28630K25a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7534,247166	4384,526082		28630K25b	STWO	49	7534,247166	3513,55321		202	K	K25b	28630K25b	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
8317,77061	4531,834626		28649K47j	STWO	49	8317,77061	3348,238971		84	K	K47j	28649K47j	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
4460,828824	2674,558523		28657F85b	EGWO	44	4460,828824	2484,278438		26	F	F85b	28657F85b	EGWO	38	40	2	6	4,694.765	2,722.199	2.65	5.9
3579,451521	2597,726137		28673F81e	EGWO	26	3579,451521	2621,701684		65	F	F81e	28673F81e	EGWO	26	27	1	0	3,112.304	2,722.199	0.55	-1.7
3155,494479	3017,567552		28673F81e	STWO	7	3155,494479	2657,629787		136	F	F81e	28673F81e	STWO	8	7	-1	-1	3,112.304	3,144.662	-1.55	-1.7
3818,791946			28673F82d	EGWO	43	3818,791946			1	F	F82d	28673F82d	EGWO	34	38	4	9	3,112.304		4.75	9.7
3964,231393	3385,51977		28673F82d	STWO	14	3964,231393	3436,919735		337	F	F82d	28673F82d	STWO	17	15	-2	-3	4,694.765	3,567.125	-1.55	-1.7

4113,55134	3477,353944	[redacted]	28673F84c	STWO	24	4113,55134	3143,480135	[redacted]	183	F	F84c	28673F84c	STWO	20	20	0	4	4,694.765	3,567.125	0.55	2.1
4186,830883	3684,193759		28673F89a	STWO	13	4186,830883	3909,730147		24	F	F89a	28673F89a	STWO	13	13	0	0	4,694.765	3,567.125	0.55	-1.7
4210,219094	3698,729302		28673F89b	STWO	14	4210,219094	3938,205766		45	F	F89b	28673F89b	STWO	13	12	-1	1	4,694.765	3,567.125	-1.55	2.1
10214,59922	3686,197347		28681K47a	EGWO	49	10214,59922	2374,51855		4	K	K47a	28681K47a	EGWO					9,442.146	3,567.125		
7114,109865	4245,818486		28681K47a	STWO	49	7055,353251	3271,638327		180	K	K47a	28681K47a	STWO		46			7,859.686	4,412.051		
6867,492362	4257,161044		28703A00d	STWO	34	6867,492362	4574,550619		8	A	A00d	28703A00d	STWO	42	38	-4	-8	6,277.225	4,412.051	-3.65	-9.3
7033,688723	3966,409251		28711A00d	EGWO	34	7033,688723	4628,419753		5	A	A00d	28711A00d	EGWO	42	44	2	-8	6,277.225	3,989.588	2.65	-9.3
6901,175759	4252,315592		28711A00d	STWO	39	6901,175759	4247,533753		35	A	A00d	28711A00d	STWO	43	38	-5	-4	6,277.225	4,412.051	-5.75	-5.5
7652,850264	4425,546608		28738E21a	STWO	49	7652,850264	3416,813716		150	E	E21a	28738E21a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
8226,797712	4345,337701		28746K46b	STWO	49	8226,797712	2869,460625		29	K	K46b	28746K46b	STWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
7331,695789	4220,853917		28746K48a	STWO	49	7331,695789	3376,212801		32	K	K48a	28746K48a	STWO	47	42	-5	2	7,859.686	4,412.051	-5.75	2.1
5703,419958	3944,396277		28762M29b	STWO	42	5703,419958	3578,356024		124	M	M29b	28762M29b	STWO	34	31	-3	8	6,277.225	3,989.588	-3.65	9.7
7671,656067			28789A07h	STWO	49	7671,656067	3399,5186		2	A	A07h	28789A07h	EGWO	49	49	0	0	7,859.686		0.55	-1.7
7654,870888	4366,120295		28789A07h	STWO	49	7654,870888	3874,851768		40	A	A07h	28789A07h	STWO	46	43	-3	3	7,859.686	4,412.051	-3.65	2.1
4111,284958	2811,138469		28797F78d	EGWO	31	4111,284958	2822,248328		111	F	F78d	28797F78d	EGWO	29	31	2	2	4,694.765	2,722.199	2.65	2.1
6481,252343	4128,081995		28800E40c	STWO	49	6481,252343	3085,767421		217	E	E40c	28800E40c	STWO	40	36	-4	9	6,277.225	3,989.588	-3.65	9.7
3856,916572	2597,518837		28819F78d	EGWO	33	3856,916572	2487,975018		13	F	F78d	28819F78d	EGWO	28	33	5	5	3,112.304	2,722.199	4.75	5.9
3948,820442	3219,099425		28819F78d	STWO	22	3948,820442	3069,005505		100	F	F78d	28819F78d	STWO	16	17	1	6	4,694.765	3,144.662	0.55	5.9
6112,344643	4039,08951		28827M29a	STWO	43	6112,344643	3234,326017		139	M	M29a	28827M29a	STWO	40	34	-6	3	6,277.225	3,989.588	-5.75	2.1
6676,518883	4481,890118		28843A00b	STWO	27	6676,518883	5150,6814		2	A	A00b	28843A00b	STWO	36	32	-4	-9	6,277.225	4,412.051	-3.65	-9.3
7301,748292	4359,36497		28886K25d	STWO	49	7301,748292	3460,734106		68	K	K25d	28886K25d	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
4017,747119	2657,315485		28908N70b	EGWO	40	4017,747119	2577,0425		32	N	N70b	28908N70b	EGWO	33	36	3	7	4,694.765	2,722.199	2.65	5.9
5344,403742	3408,883498		28924N60c	EGWO	37	5344,403742	3330,017501		43	N	N60c	28924N60c	EGWO	34	36	2	3	4,694.765	3,567.125	2.65	2.1
3901,988824	2706,411092		28932F81e	EGWO	28	3901,988824	2788,430973		23	F	F81e	28932F81e	EGWO	28	30	2	0	3,112.304	2,722.199	2.65	-1.7
7423,514737	4402,272953		28959A05d	STWO	41	7423,514737	4411,269171		110	A	A05d	28959A05d	STWO	39	37	-2	2	7,859.686	4,412.051	-1.55	2.1
4866,682964	3517,794371		28967N65b	EGWO	31	4866,682964	3379,51885		22	N	N65b	28967N65b	EGWO	24	28	4	7	4,694.765	3,567.125	4.75	5.9
5386,009383	3820,653973		28975N65b	EGWO	32	5386,009383	3664,422235		8	N	N65b	28975N65b	EGWO	24	29	5	8	4,694.765	3,989.588	4.75	9.7
7407,260167	4455,822658		28983A08d	STWO	38	7407,260167	4573,247089		74	A	A08d	28983A08d	STWO	42	40	-2	-4	7,859.686	4,412.051	-1.55	-5.5
6883,107371	4283,067035		28991A08d	STWO	35	6883,107371	4372,060546		74	A	A08d	28991A08d	STWO	39	36	-3	-4	6,277.225	4,412.051	-3.65	-5.5
5897,637795	3493,784612		29009A08d	EGWO	42	5897,637795	4417,5822		1	A	A08d	29009A08d	EGWO	49	49	0	-7	6,277.225	3,567.125	0.55	-5.5
7172,291364	4387,526243		29009A08d	STWO	39	7172,291364	4397,58533		130	A	A08d	29009A08d	STWO	41	39	-2	-2	7,859.686	4,412.051	-1.55	-1.7
7187,269769	3381,991704		29017A08d	EGWO	47	7187,269769	3518,438669		5	A	A08d	29017A08d	EGWO	49	49	0	-2	7,859.686	3,567.125	0.55	-1.7
6124,673756	3296,08234		29025A08d	EGWO	40	6124,673756	3684,610257		16	A	A08d	29025A08d	EGWO	49	49	0	-9	6,277.225	3,144.662	0.55	-9.3
3782,442655	4235,554915		29025A08d	STWO	40	3782,442655	4234,698942		251	A	A08d	29025A08d	STWO	39	40	1	1	3,112.304	4,412.051	0.55	2.1
7098,838161	3476,841033		29033A08d	EGWO	43	7098,838161	4012,051333		19	A	A08d	29033A08d	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
5275,206248	4432,183563		29033A08d	STWO	40	5275,206248	4406,120005		314	A	A08d	29033A08d	STWO	42	40	-2	-2	4,694.765	4,412.051	-1.55	-1.7
6336,130821	3986,041069		29041A08d	EGWO	42	6336,130821	3792,447733		3	A	A08d	29041A08d	EGWO	49	49	0	-7	6,277.225	3,989.588	0.55	-5.5
7010,224876	4280,097529		29041A08d	STWO	42	7010,224876	4101,567669		83	A	A08d	29041A08d	STWO	41	39	-2	1	6,277.225	4,412.051	-1.55	2.1
6587,437115	3183,632344		29068A08d	EGWO	46	6587,437115	3540,59315		6	A	A08d	29068A08d	EGWO	49	49	0	-3	6,277.225	3,144.662	0.55	-1.7
4777,845003	5078,314196		29068A08d	STWO	40	4777,845003	5891,315285		20	A	A08d	29068A08d	STWO	42	40	-2	-2	4,694.765	5,256.977	-1.55	-1.7
4429,714789	2909,47415		29084F77f	EGWO	36	4429,714789	2818,680634		24	F	F77f	29084F77f	EGWO	31	34	3	5	4,694.765	2,722.199	2.65	5.9
4860,148913	3233,945259		29106N65b	EGWO	34	4860,148913	3204,143756		23	N	N65b	29106N65b	EGWO	29	33	4	5	4,694.765	3,144.662	4.75	5.9
4813,458573	3333,918203		29114N65b	EGWO	31	4813,458573	3317,865887		27	N	N65b	29114N65b	EGWO	28	31	3	3	4,694.765	3,144.662	2.65	2.1
6778,687151	3493,325906		29149M57a	EGWO	49	6778,687151	3164,508977		48	M	M57a	29149M57a	EGWO	46	49	3	3	6,277.225	3,567.125	2.65	2.1
5368,87332	3808,038275		29149M57a	STWO	46	5368,87332	2920,419331		53	M	M57a	29149M57a	EGWO	26	29	3	20	4,694.765	3,989.588	2.65	2.1.1
3848,577236	2807,475898		29165N65a	EGWO	25	3848,577236	2895,656667		12	N	N65a	29165N65a	EGWO	19	27	8	6	3,112.304	2,722.199	8.95	5.9
3823,529412	2440,08372		29203F87c	EGWO		3823,529412	2313,62		1	F	F87c	29203F87c	EGWO					3,112.304	2,299.736		
5579,135138	4101,764598		29203F87c	STWO	39	5579,135138	3594,321007		208	F	F87c	29203F87c	STWO	30	32	2	9	6,277.225	3,989.588	2.65	9.7
6985,414889	4303,715992		29211K26c	STWO	49	6985,414889	3483,952001		75	K	K26c	29211K26c	STWO	42	38	-4	7	6,277.225	4,412.051	-3.65	5.9
6177,004174	3990,698057		29246E13d	STWO	36	6177,004174	3862,599077		117	E	E13d	29246E13d	STWO	34	31	-3	2	6,277.225	3,989.588	-3.65	2.1
6778,347197	4380,552655		29246E13e	STWO	44	6778,347197	3768,664373		81	E	E13e	29246E13e	STWO	39	35	-4	5	6,277.225	4,412.051	-3.65	5.9
6408,533907	3938,602417		29262M29c	STWO	40	6408,533907	3836,952194		118	M	M29c	29262M29c	STWO	42	39	-3	-2	6,277.225	3,989.588	-3.65	-1.7
3368,641532	3592,905985		29270N71c	STWO	40	3368,641532	2532,085		2	N	N71c	29270N71c	STWO	31	30	-1	9	3,112.304	3,567.125	-1.55	9.7
4801,304979	3266,632183		29300N65c	EGWO	33	4801,304979	3227,145528		44	N	N65c	29300N65c	EGWO	29	32	3	4	4,694.765	3,144.662	2.65	2.1
5931,395237	3975,061755		29319M29a	STWO	44	5931,395237	3287,941088		65	M	M29a	29319M29a	STWO	38	33	-5	6	6,277.225	3,989.588	-5.75	5.9
5612,548142	3926,268777		29319M29b	STWO	42	5612,548142	3239,025929		7	M	M29b	29319M29b	STWO	37	31	-6	5	6,277.225	3,989.588	-5.75	5.9
5142,814117	3522,827605		29327N65b	EGWO	32	5142,814117	3475,109524		22	N	N65b	29327N65b	EGWO	27	31	4	5	4,694.765	3,567.125	4.75	5.9
4601,111111	3034,15852		29335N73g	EGWO	32	4601,111111	3631,185		2	N	N73g	29335N73g	EGWO	35	37	2	-3	4,694.765	3,144.662	2.65	-1.7
7634,249084			29343M28c	EGWO	46	7634,249084			14	M	M28c	29343M28c	EGWO		49			7,859.686			
6142,468503	4282,779175		29343M28c	STWO	44	6142,468503	4636,709242		124	M	M28c	29343M28c	STWO	35	33	-2	9	6,277.225	4,412.051	-1.55	9.7
7115,384615			29343M28d	EGWO		7115,384615			8	M	M28d	29343M28d	EGWO					7,859.686			
6108,555619	4292,814277		29343M28d	STWO	37	6108,555619	4690,193121		51	M	M28d	29343M28d	STWO	35	32	-3	2	6,277.225	4,412.051	-3.65	2.1
6230,545014	4205,80636		29408E42d	STWO	41	6230,545014	4713,465447		24	E	E42d	29408E42d	STWO	34	32	-2	7	6,277.225	4,412.051	-1.55	5.9
7142,284424	4327,680465		29408E43a	STWO	49	7142,284424	3528,868737		113	E	E43a	29408E43a	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
6805,581931	4141,837777		29408E43b	STWO	49	6805,581931	3248,08971		312	E	E43b	29408E43b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6152,533232	4052,980451		29416E42b	STWO	46	6152,533232	3333,408741		77	E	E42b	29416E42b	STWO	37	34	-3	9	6,277.225	3,989.588	-3.65	9.7
6264,899675	4149,293468		29416E42d	STWO	42	6264,899675	3592,170795		45	E	E42d	29416E42d	STWO	35	33	-2	7	6,277.225	3,989.588	-1.55	5.9
6295,454545	4293,278438		29416E75d	STWO	48	6295,454545	3651,9662		3	E	E75d	29416E75d	STWO	38	38	0	10	6,277.225	4,412.051	0.55	9.7
3793,814433			29416F86a	EGWO	45	3793,814433			1	F	F86a	29416F86a	EGWO	38	41	3	7	3,112.304		2.65	5.9
4772,085218	3493,535634		29416F86a	STWO	31	4772,085218	3222,057649		121	F	F86a	29416F86a	STWO	24	25	1	7	4,694.765	3,567.125	0.55	5.9
4065,920915	3347,851103		29416F86b	STWO	28	4065,920915	3114,416567		166	F	F86b	29416F86b	STWO	18	18	0	10	4,694.765	3,144.662	0.55	9.7
7212,451767	4253,128692		29424E17a	STWO	49	7212,451767	3273,061325		143	E	E17a	29424E17a	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
5674,907734	3904,716901		29432M32b	STWO	39	5674,907734	3473,271859		76	M	M32b	29432M32b	STWO	34	31	-3	5	6,277.225	3,989.588	-3.65	5.9
5724,971591	4001,452581		29440M30a	STWO	38	5733,588135	4315,077965		143	M	M30a	29440M30a	STWO	31	29	-2	7	6,277.225	3,989.588	-1.55	5.9
7131,791757	4016,290618		29459K52b	STWO	49	7131,791757	2940,335886		87	K	K52b	29459K52b	STWO	42	40	-2	7	7,859.686	3,989.588	-1.55	5.9
5877,083333	4071,319231		29459K52g	STWO	27	5877,083333	4262,924022		96	K	K52g	29459K52g	STWO	32	31	-1	-5	6,277.225	3,989.588	-1.55	-5.5
6394,222986	4035,083518		29459K54b	STWO	47	6394,222986	3382,359909		172	K	K54b	29459K54b	STWO	38	37	-1	9	6,277.225	3,989.588	-1.55	9.7
6285,745296	4067,722097		29459K54c	STWO	48	6285,745296	3279,000326		113	K	K54c	29459K54c	STWO	37	35	-2	11	6,277.225	3,989.588	-1.55	9.7
6053,569282	4042,914175		29467M30a	STWO	44	6053,569282	3370,393443		24	M	M30a	29467M30a	STWO	37	34	-3	7	6,277.225	3,989.588	-3.65	5.9
6148,866913	3922,722894		29475M30a	STWO	48	6148,866913	3008,235356		61	M	M30a	29475M30a	STWO	37	36	-1	11	6,277.225	3,989.588	-1.55	9.7
6863,446505	4135,051717		29491M30b	STWO	49	6863,446505	3383,927915		222	M	M30b	29491M30b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6913,796885	4344,743202		29556A00a	STWO	35	6913,796885	4139,926735		77	A	A00a	29556A00a	STWO	36	37	1	-1	6,277.225	4,412.051	0.55	-1.7
6741,176471	4034,795427		29556A01b	EGWO	24	6741,176471	4840,2561		1	A	A01b	29556A01b	EGWO	38	43	5	-14	6,277.225	3,989.588	4.75	-13.1
7069,181828	4469,186489		29556A01b	STWO	32	7180,817868	4883,115253		22	A	A01b	29556A01b	STWO	42	38	-4	-10	7,859.686	4,412.051	-3.65	-9.3
6080,05988	3115,232729		29556A04b	EGWO	36	6080,05988	3890,7779		2	A	A04b	29556A04b	EGWO	45	46	1	-9	6,277.225	3,144.662	0.55	-9.3
6501,55733	4169,708939		29556A04b	STWO	37	6501,55733	4150,300941		103	A	A04b	29556A04b	STWO	39	36	-3	-2	6,277.225	3,989.588	-3.65	-1.7
6820,3125	3676,791923		29556A04c	EGWO	39	6820,3125	4409,0671		1	A	A04c	29556A04c	EGWO	48	49	1	-9	6,277.225	3,567.125	0.55	-9.3
6467,831853	4111,734482		29556A04c	STWO	40	6467,831853	3896,602778		74	A	A04c	29556A04c	STWO	39	37	-2	1	6,277.225	3,989.588	-1.55	2.1
6682,165044	4391,959062		29556A04d	STWO	32	6682,165044	4567,0247		28	A	A04d	29556A04d	STWO	37	35	-2	-5	6,277.225	4,412.051	-1.55	-5.5
10969,33346			29580K46c	EGWO		10969,33346	3323,80446		21	K	K46c	29580K46c	EGWO					11,024.607			
8015,609604	4434,208799		29580K46c	STWO	49	8015,609604	3569,117447		46	K	K46c	29580K46c	STWO					7,859.686	4,412.051		
8562,271022	3578,538527		29610A05d	EGWO	49	8562,271022	3402,516068		19	A	A05d	29610A05d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7273,177682	4514,919897		29610A05d	STWO	43	7273,177682	4529,957506		267	A	A05d	29610A05d	STWO	42	40	-2	1	7,859.686	4,412.051	-1.55	2.1
7904,138098			29629A02a	EGWO	49	7904,138098	3524,532556		10	A	A02a	29629A02a	EGWO	49	49	0	0	7,859.686		0.55	-1.7
8248,342701	4626,433592		29629A02a	STWO	49	8248,342701	4174,446783		89	A	A02a	29629A02a	STWO	48	45	-3	1	7,859.686	4,834.514	-3.65	2.1
8055,485869	4166,078975		29629A02b	EGWO	49	8055,485869	3673,976325		4	A	A02b	29629A02b	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7707,470561	4495,591645		29629A02b	STWO	48	7707,470561	4013,878223		98	A	A02b	29629A02b	STWO	49	44	-5	-1	7,859.686	4,412.051	-5.75	-1.7
9400,161863	4168,547572		29629A02c	EGWO	49	9400,161863	4196,635867		11	A	A02c	29629A02c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8093,596803	4522,879243		29629A02c	STWO	48	8093,596803	4228,730714		255	A	A02c	29629A02c	STWO	48	44	-4	0	7,859.686	4,412.051	-3.65	-1.7
8334,947026	3850,884683		29629A02d	EGWO	49	8334,947026	4084,82084		10	A	A02d	29629A02d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
8452,630968	4663,467009		29629A02d	STWO	49	8452,630968	4370,054948		70	A	A02d	29629A02d	STWO	49	45	-4	0	7,859.686	4,834.514	-3.65	-1.7
9386,282327	4096,445636		29629A03a	EGWO	49	9386,282327	4030,557074		6	A	A03a	29629A03a	EGWO		49			9,442.146	3,989.588		
8079,637157	4502,580908		29629A03a	STWO	49	8079,637157	4042,296492		82	A	A03a	29629A03a	STWO	48	45	3	1	7,859.686	4,412.051	3.65	2.1
10167,28231	4071,256647		29629A03c	EGWO	49	10167,28231	4120,660861		45	A	A03c	29629A03c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8567,321663	4839,080704		29629A03c	STWO	46	8567,321663	4804,974767		102	A	A03c	29629A03c	STWO	48	45	-3	-2	7,859.686	4,834.514	-3.65	-1.7
8922,001365	3829,298785		29629A03d	EGWO	49	8922,001365	3782,830806		13	A	A03d	29629A03d	EGWO					9,442.146	3,989.588		
8972,739202	4766,462037		29629A03d	STWO	48	8972,739202	4584,747074		86	A	A03d	29629A03d	STWO	49	46	-3	-1	9,442.146	4,834.514	-3.65	-1.7
7372,450111			29629A03g	EGWO	49	7372,450111	3348,88895		2	A	A03g	29629A03g	EGWO	49	49	0	0	7,859.686		0.55	-1.7
7438,811498	4447,552677		29629A03g	STWO	48	7438,811498	4168,350204		49	A	A03g	29629A03g	STWO	48	44	-4	0	7,859.686	4,412.051	-3.65	-1.7
7984,259053	3575,866396		29629A06c	EGWO	49	7984,259053	3836,216226		5	A	A06c	29629A06c	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8481,759619	4696,931083		29629A06c	STWO	44	8481,759619	4805,118918		52	A	A06c	29629A06c	STWO	46	44	-2	-2	7,859.686	4,834.514	-1.55	-1.7
7595,532514	3768,844858		29629A06g	EGWO	45	7595,532514	4527,593824		3	A	A06g	29629A06g	EGWO	48	49	0	-4	7,859.686	3,567.125	0.55	-5.5
8220,198679	4640,515049		29629A06g	STWO	44	8220,198679	4612,208078		153	A	A06g	29629A06g	STWO	46	44	-2	-2	7,859.686	4,834.514	-1.55	-1.7
7775,214676	3483,441472		29629A06h	EGWO	45	7775,214676	4022,686766		2	A	A06h	29629A06h	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
9121,553637	4794,624546		29629A06h	STWO	46	9121,553637	4995,005248		81	A	A06h	29629A06h	STWO	49	47	-2	-3	9,442.146	4,834.514	-1.55	-1.7

8697,044866	4338,131406	[redacted]	29629A06k	EGWO	45	8697,044866	4924,145353	[redacted]	2	A	A06k	29629A06k	EGWO	49	49	0	-4	9,442.146	4,412.051	0.55	-5.5
8926,731193	4850,355303		29629A06k	STWO	39	8926,731193	5438,96247		11	A	A06k	29629A06k	STWO	49	45	-4	-10	9,442.146	4,834.514	-3.65	-9.3
8549,626281	3953,430459		29629A06l	EGWO	46	8549,626281	4644,133869		12	A	A06l	29629A06l	EGWO	49	49	0	-3	7,859.686	3,989.588	0.55	-1.7
8783,62103	4807,494411		29629A06l	STWO	43	8783,62103	4997,022086		63	A	A06l	29629A06l	STWO	48	45	-3	-5	9,442.146	4,834.514	-3.65	-5.5
8547,272097	3639,426882		29629A07c	EGWO	49	8547,272097	3634,588487		7	A	A07c	29629A07c	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7445,572347	4424,98929		29629A07c	STWO	42	7445,572347	4355,452247		108	A	A07c	29629A07c	STWO	45	41	-4	-3	7,859.686	4,412.051	-3.65	-1.7
9772,856938	4026,867729		29629A07e	EGWO	49	9772,856938	4137,102739		35	A	A07e	29629A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7976,354146	4517,007879		29629A07e	STWO	46	7976,354146	4234,21796		110	A	A07e	29629A07e	STWO	47	44	-3	-1	7,859.686	4,412.051	-3.65	-1.7
8866,183643	3663,641185		29629A07g	EGWO	49	8866,183643	3740,105288		9	A	A07g	29629A07g	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
8337,14189	4643,569527		29629A07g	STWO	46	8337,14189	4539,022492		152	A	A07g	29629A07g	STWO	48	45	-3	-2	7,859.686	4,834.514	-3.65	-1.7
7262,372818	4113,831385		29637A00e	EGWO	33	7262,372818	4829,341975		6	A	A00e	29637A00e	EGWO	41	43	2	-8	7,859.686	3,989.588	2.65	-9.3
6376,146789	3992,319623		29637A00e	STWO	34	6376,146789	3627,040047		1	A	A00e	29637A00e	STWO	42	36	-6	-8	6,277.225	3,989.588	-5.75	-9.3
7921,538544	4669,501409		29645A02a	STWO	41	7921,538544	4886,525879		19	A	A02a	29645A02a	STWO	45	41	-4	-4	7,859.686	4,834.514	-3.65	-5.5
7227,452018	4420,756042		29645A02b	STWO	43	7227,452018	4366,413258		24	A	A02b	29645A02b	STWO	44	39	-5	-1	7,859.686	4,412.051	-5.75	-1.7
9854,262295	4768,326709		29688K59a	EGWO	49	12688,52459	5600,2502		1	K	K59a	29688K59a	EGWO	49	49	0	0	9,442.146	4,834.514	0.55	-1.7
9595,090729	3453,843731		29726K59a	EGWO	49	9981,256795	2883,844858		15	K	K59a	29726K59a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
9569,769611	3630,510625		29750K59a	EGWO	49	9564,99248	2588,396774		34	K	K59a	29750K59a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
5713,807283	3133,77614		29823F76a	EGWO	41	5713,807283	3336,518189		6	F	F76a	29823F76a	EGWO	31	36	5	10	6,277.225	3,144.662	4.75	9.7
3923,439637	2590,413876		29858F81e	EGWO	33	3923,439637	2509,191776		77	F	F81e	29858F81e	EGWO	32	34	2	1	4,694.765	2,722.199	2.65	2.1
4044,962543	3717,236163		29658F81e	STWO	6	4044,962543	4695,329689		20	F	F81e	29858F81e	STWO	8	7	-1	-2	4,694.765	3,567.125	-1.55	-1.7
7233,773764	4167,274022		29666A08b	STWO	40	7233,773764	4368,6874		9	A	A08b	29866A08b	STWO	45	42	-3	-5	7,859.686	3,989.588	-3.65	-5.5
5106			29674A08b	EGWO	38	5106	3316,6947		1	A	A08b	29874A08b	EGWO					4,694.765			
6941,888827	4254,0335		29874A08b	EGWO	42	6941,888827	4009,248611		11	A	A08b	29874A08b	STWO	41	40	-1	1	6,277.225	4,412.051	-1.55	2.1
4073,666253	3297,80404		29904T94j	EGWO	25	4073,666253	4075,78		2	T	T94j	29904T94j	EGWO	26	29	3	-1	4,694.765	3,144.662	2.65	-1.7
3983,918533	3167,870483		29904T95c	EGWO	13	3983,918533	3500,134		6	T	T95c	29904T95c	EGWO	14	20	6	-1	4,694.765	3,144.662	6.85	-1.7
3532,71028	3172,366855		29904T95c	STWO		3532,71028	2335,016304		1	T	T95c	29904T95c	STWO					3,112.304	3,144.662		
4782,192245	3175,98154		29912N65c	EGWO	34	4782,192245	3163,756953		58	N	N65c	29912N65c	EGWO	30	33	3	4	4,694.765	3,144.662	2.65	2.1
4638,934191	3530,393186		29912N65c	STWO	18	4638,934191	3164,09971		33	N	N65c	29912N65c	STWO	21	20	-1	-3	4,694.765	3,567.125	-1.55	-1.7
6577,441283	3928,837304		29920M56b	STWO	49	6577,441283	2812,642614		18	M	M56b	29920M56b	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
7091,828964	3862,106405		29963N62b	EGWO	44	7091,828964	3847,239743		14	N	N62b	29963N62b	EGWO	41	43	2	3	7,859.686	3,989.588	2.65	2.1
5175,998551	3783,019188		29971N61b	STWO	40	5175,998551	3074,188813		29	N	N61b	29971N61b	STWO	28	26	-2	12	4,694.765	3,989.588	-1.55	13.5
7927,350427	3825,323049		29998M56a	EGWO	49	7927,350427	3741,230055		1	M	M56a	29998M56a	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6816,890029	4043,186671		29998M56a	STWO	49	6816,890029	2914,336434		42	M	M56a	29998M56a	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
6464,820891			29998M56b	EGWO	49	6464,820891	3142,54535		2	M	M56b	29998M56b	EGWO	49	49	0	0	6,277.225		0.55	-1.7
6696,668758	3887,146936		29998M56b	STWO	49	6696,668758	2654,247358		75	M	M56b	29998M56b	STWO	45	42	-3	4	6,277.225	3,989.588	-3.65	2.1
7640,4328	4548,301636		30007K24b	STWO	49	7640,4328	3598,272851		105	K	K24b	30007K24b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
8028,012933	4498,631262		30007K24c	STWO	49	8028,012933	3592,532182		139	K	K24c	30007K24c	STWO	46	44	-2	3	7,859.686	4,412.051	-1.55	2.1
7352,541341	4051,157666		30015K49e	STWO	49	7352,541341	2571,762989		29	K	K49e	30015K49e	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
7444,245036	4448,624365		30023A02b	STWO	43	7444,245036	4387,33465		16	A	A02b	30023A02b	STWO	45	40	-5	-2	7,859.686	4,412.051	-5.75	-1.7
8329,876438	5053,112389		30023A02c	STWO	41	8329,876438	5671,031223		6	A	A02c	30023A02c	STWO	43	39	-4	-2	7,859.686	5,256.977	-3.65	-1.7
8146,367521	4890,08439		30082A06h	STWO	44	8146,367521	5258,899367		7	A	A06h	30082A06h	STWO	43	40	-3	1	7,859.686	4,834.514	-3.65	2.1
6204,166667	3964,614058		30082A06j	STWO	39	6204,166667	3184,944967		3	A	A06j	30082A06j	STWO	40	36	-4	-1	6,277.225	3,989.588	-3.65	-1.7
7522,423025	3999,701804		30090A04h	EGWO	42	7522,423025	4735,511395		3	A	A04h	30090A04h	EGWO	48	49	1	-6	7,859.686	3,989.588	0.55	-5.5
7279,339421	4517,554916		30090A04h	STWO	37	7279,339421	4698,8374		62	A	A04h	30090A04h	STWO	41	39	-2	-4	7,859.686	4,412.051	-1.55	-5.5
6268,37476	3932,037142		30104A06j	STWO	44	6268,37476	3024,364971		21	A	A06j	30104A06j	STWO	42	37	-5	2	6,277.225	3,989.588	-5.75	2.1
5418,918919	3923,205757		30112A01f	STWO	36	5418,918919	4253,8964		1	A	A01f	30112A01f	STWO	43	39	-4	-7	4,694.765	3,989.588	-3.65	-5.5
7542,742743	3628,01883		30120A06h	EGWO	45	7542,742743	4151,46805		2	A	A06h	30120A06h	EGWO	49	49	0	-4	7,859.686	3,567.125	0.55	-5.5
7826,440554	4503,226		30120A06h	STWO	44	7826,440554	4614,076008		58	A	A06h	30120A06h	STWO	46	41	-5	-2	7,859.686	4,412.051	-5.75	-1.7
4486,763221	3232,219575		30139F80b	EGWO	16	4428,990324	3783,154		7	F	F80b	30139F80b	EGWO	24	28	4	-8	4,694.765	3,144.662	4.75	-9.3
5190,769231	2756,94078		30171N70b	EGWO	49	5190,769231	2615,818245		13	N	N70b	30171N70b	EGWO	39	46	7	10	4,694.765	2,722.199	6.85	9.7
4566,26506	3490,914346		30171N70b	STWO	28	4566,26506	2734,879488		1	N	N70b	30171N70b	STWO	18	21	3	10	4,694.765	3,567.125	2.65	9.7
7015,137521	3052,237904		30198M56c	EGWO	49	7015,137521	2723,475217		10	M	M56c	30198M56c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6531,168208	3874,825431		30198M56c	STWO	49	6531,168208	2680,74237		68	M	M56c	30198M56c	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
10355,55556			30198M56e	EGWO		10355,55556			1	M	M56e	30198M56e	EGWO					11,024.607			
5974,905388	3833,17547		30228N60a	EGWO	42	5974,905388	3505,985433		19	N	N60a	30228N60a	EGWO	35	36	1	7	6,277.225	3,989.588	0.55	5.9
6971,436211	3803,686525		30236A04c	EGWO	38	6971,436211	4302,156191		5	A	A04c	30236A04c	EGWO	48	49	1	-10	6,277.225	3,989.588	0.55	-9.3
6780,506608	4268,610748		30236A04c	STWO	38	6780,506608	4207,428662		153	A	A04c	30236A04c	STWO	39	37	-2	-1	6,277.225	4,412.051	-1.55	-1.7
7283,541885	4459,559793		30244A04c	STWO	34	7283,541885	4860,954857		17	A	A04c	30244A04c	STWO	40	38	-2	-6	7,859.686	4,412.051	-1.55	-5.5
6071,333661	4248,515859		30244A04g	STWO	38	6071,333661	3942,289982		34	A	A04g	30244A04g	STWO	33	31	-2	5	6,277.225	4,412.051	-1.55	5.9
6669,672565	4138,72879		30252A04g	STWO	45	6669,672565	3786,531725		173	A	A04g	30252A04g	STWO	41	38	-3	4	6,277.225	3,989.588	-3.65	2.1
10827,41129	3750,451385		30260K49e	EGWO	49	10827,41129	2504,088457		27	K	K49e	30260K49e	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
7795,890975	4155,270302		30260K49e	STWO	49	7655,686443	2710,163105		14	K	K49e	30260K49e	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
9483,024905	3732,137291		30279K49d	EGWO	49	9483,024905	2417,804632		3	K	K49d	30279K49d	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7260,97347	4065,664852		30279K49d	STWO	49	7260,97347	2664,126589		35	K	K49d	30279K49d	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
7520,306425	4131,276222		30279K49e	STWO	49	7520,306425	2647,350103		12	K	K49e	30279K49e	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
7055,555556	3431,734106		30295A05d	EGWO	49	7055,555556	3882,0545		1	A	A05d	30295A05d	EGWO	49	49	0	0	6,277.225	3,567.125	0.55	-1.7
6650,953994	4122,758574		30295A05d	STWO	43	6650,953994	3580,785418		48	A	A05d	30295A05d	STWO	43	38	-5	0	6,277.225	3,989.588	-5.75	-1.7
6437,954932	3197,865695		30309M55g	EGWO	49	6449,438166	3051,220018		36	M	M55g	30309M55g	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6566,692254	4125,922118		30309M55g	STWO	49	6566,692254	3383,326043		27	M	M55g	30309M55g	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
6862,213167	3803,0288		30317A04d	EGWO	48	6862,213167	3670,1794		4	A	A04d	30317A04d	EGWO	49	49	0	-1	6,277.225	3,144.662	0.55	-1.7
6876,285765	4359,603178		30317A04d	STWO	34	6876,285765	4581,367422		80	A	A04d	30317A04d	STWO	40	37	-3	-6	6,277.225	4,412.051	-3.65	-5.5
6961,660253	3365,020339		30317A04e	EGWO	41	6961,660253	3962,802323		3	A	A04e	30317A04e	EGWO	47	48	1	-6	6,277.225	3,567.125	0.55	-5.5
6835,387836	4336,530519		30317A04e	STWO	38	6835,387836	4231,626941		55	A	A04e	30317A04e	STWO	38	36	-2	0	6,277.225	4,412.051	-1.55	-1.7
7631,153522	4620,029643		30325A02c	STWO	41	7631,153522	4889,200806		38	A	A02c	30325A02c	STWO	44	40	-4	-3	7,859.686	4,412.051	-3.65	-1.7
6593,080546	4108,236738		30333K53a	STWO	49	6593,080546	3312,095148		57	K	K53a	30333K53a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6628,733146	4315,048001		30368A03f	STWO	32	6628,733146	4509,83179		30	A	A03f	30368A03f	STWO	40	35	-5	-8	6,277.225	4,412.051	-5.75	-9.3
7929,052312	4553,686381		30376A03b	STWO	49	7929,052312	3910,534051		15	A	A03b	30376A03b	STWO	47	43	-4	2	7,859.686	4,412.051	-3.65	2.1
5726,058896	4617,552447		30376A03c	STWO	42	5726,058896	4577,681713		38	A	A03c	30376A03c	STWO	44	44	0	-2	6,277.225	4,412.051	0.55	-1.7
6848,610125	4413,800259		30376A03f	STWO	34	6848,610125	4608,29752		54	A	A03f	30376A03f	STWO	41	36	-5	-7	6,277.225	4,412.051	-5.75	-5.5
9294,7099	4169,193625		30384A03c	EGWO	49	9294,7099	4095,464845		23	A	A03c	30384A03c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8383,478189	4658,481148		30384A03c	STWO	49	8383,478189	4839,652022		37	A	A03c	30384A03c	STWO	48	45	-3	1	7,859.686	4,834.514	-3.65	2.1
9160,644929	3940,624796		30384A03d	EGWO	49	9160,644929	3739,376861		9	A	A03d	30384A03d	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
9165,322273	4962,234084		30384A03d	STWO	46	9165,322273	4828,364087		27	A	A03d	30384A03d	STWO	48	46	-2	-2	9,442.146	4,834.514	-1.55	-1.7
9500,153625	4164,77789		30384A07e	EGWO	49	9500,153625	4200,85825		8	A	A07e	30384A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7639,458409	4451,347407		30384A07e	STWO	44	7639,458409	4828,594773		17	A	A07e	30384A07e	STWO	45	42	-3	-1	7,859.686	4,412.051	-3.65	-1.7
8875,134769	4857,707973		30384A07f	STWO	43	8875,134769	5043,763816		10	A	A07f	30384A07f	STWO	46	45	-3	-5	9,442.146	4,834.514	-3.65	-5.5
9127,081836	4095,453916		30384A07g	EGWO	49	9127,081836	4376,122713		10	A	A07g	30384A07g	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8293,885049	4694,613337		30384A07g	STWO	41	8293,885049	4944,024943		14	A	A07g	30384A07g	STWO	47	43	-4	-6	7,859.686	4,834.514	-3.65	-5.5
8256	3410,819718		30384A07h	EGWO	49	8256	3636,0161		1	A	A07h	30384A07h	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8874,666495	4499,442354		30384A07h	STWO	49	8874,666495	3412,226026		11	A	A07h	30384A07h	STWO	49	48	-1	0	9,442.146	4,412.051	-1.55	-1.7
4941,345828	3663,210928		30422N61b	STWO	40	4941,345828	2940,268133		11	N	N61b	30422N61b	STWO	26	25	-1	14	4,694.765	3,567.125	-1.55	13.5
7677,871922	3045,843972		30430E21b	EGWO	49	7677,871922	3411,1715		3	E	E21b	30430E21b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
7953,84049	4346,695743		30430E21b	STWO	49	7953,84049	3387,100379		71	E	E21b	30430E21b	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
11822,99987	3988,851953		30449K47e	EGWO	49	11822,99987	2619,663946		11	K	K47e	30449K47e	EGWO	49	49	0	0	12,607.067	3,989.588	0.55	-1.7
8665,487077	4353,31607		30449K47e	STWO	49	8665,487077	2920,564146		29	K	K47e	30449K47e	STWO	49	49	0	0	9,442.146	4,412.051	0.55	-1.7
7818,889447	4158,688031		30449K47g	STWO	49	7818,889447	2776,950286		102	K	K47g	30449K47g	STWO	47	47	0	2	7,859.686	3,989.588	0.55	2.1
6251,677852			30457K90c	EGWO	49	6251,677852	2871,7		1	K	K90c	30457K90c	EGWO	48	48	0	1	6,277.225		0.55	2.1
5399,248033	2849,362488		30457K91c	EGWO	49	5399,248033	2428,564583		17	K	K91c	30457K91c	EGWO	47	47	0	2	4,694.765	2,722.199	0.55	2.1
4205,405571	2649,869643		30465F82a	EGWO	40	4205,405571	2551,985086		14	F	F82a	30465F82a	EGWO	35	37	2	5	4,694.765	2,722.199	2.65	5.9
5983,304241	3916,208788		30481E37e	STWO	49	5983,304241	2917,309592		18	E	E37e	30481E37e	STWO	37	34	-3	12	6,277.225	3,989.588	-3.65	13.5
6216,036887	4123,930402		30481E38c	STWO	49	6216,036887	3146,333065		9	E	E38c	30481E38c	STWO	36	34	-2	13	6,277.225	3,989.588	-1.55	13.5
6222,61006	4058,965991		30511E40b	STWO	49	6222,61006	3062,391948		20	E	E40b	30511E40b	STWO	39	35	-4	10	6,277.225	3,989.588	-3.65	9.7
6792,628681	4155,613027		30538E10b	STWO	49	6802,145811	3067,155425		296	E	E10b	30538E10b	STWO	41	39	2	8	6,277.225	3,989.588	1.55	9.7
5909,722222	2780,404209		30562M29b	EGWO		5909,722222	2302,7378		1	M	M29b	30562M29b	EGWO					6,277.225	2,722.199		
6131,62077	3970,899064		30562M29b	STWO	48	6131,62077	3160,987104		265	M	M29b	30562M29b	STWO	39	35	-4	9	6,277.225	3,989.588	-3.65	9.7
7080,603146	4287,773707		30570K54b	STWO	49	7080,603146	3523,886908		36	K	K54b	30570K54b	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9
6080,485616	3972,366629		30589M30a	STWO	48	6080,485616	3121,47644		55	M	M30a	30589M30a	STWO	36	35	-1	12	6,277.225	3,989.588	-1.55	13.5
7298,848471	4487,814821		30600A03e	STWO	40	7298,848471	4740,391064		14	A	A03e	30600A03e	STWO	40	38	-2	0	7,859.686	4,412.051	-1.55	-1.7
7770,676692	4464,877114		30600A03f	STWO	32	7770,676692	5291,715157		7	A	A03f	30600A03f	STWO	42	38	-4	-10	7,859.686	4,412.051	-3.65	-9.3
3706,196878	3281,124631		30643F82c	STWO	12	3708,196878	3230,216282		28	F	F82c	30643F82c	STWO	13	11	-2	-1	3,112.304	3,144.662	-1.55	-1.7
6895,56405	4139,793999		30678M30b	STWO	49	6895,56405	3319,579316		151	M	M30b	30678M30b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7571,519244	4360,706031		30724E21a	STWO	49	7571,519244	3305,642818		158	E	E21a	30724E21a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
4838,803197	2735,224931		30740N60b	EGWO	43	4838,803197	2510,859875		4	N	N60b	30740N60b	EGWO	38	41	3	5	4,694.765	2,722.199	2.65	5.9
5000,100136	3681,231104		30740N60b	STWO	40	5000,100136	2990,626146		18	N	N60b	30740N60b	STWO	27	26	-1	13	4,694.765	3,567.125	-1.55	13.5
7850,262013	4167,3883		30759K47e	STWO	49	7850,262013	2583,381279		6	K	K47e	30759K47e	STWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7

10697,94458	3837,535254	[redacted]	30767K49a	EGWO	49	10697,94458	2852,614801	[redacted]	13	K	K49a	30767K49a	EGWO		49		11,024.607	3,989.588			
5444,568338	3915,72358		30848K90c	STWO	26	5444,568338	4027,966766		52	K	K90c	30848K90c	STWO	30	26	-4	4,694.765	3,989.588	-3.65	-5.5	
6974,308068	4231,130913		30856K44c	STWO	49	6974,308068	3347,289035		70	K	K44c	30856K44c	STWO	41	39	-2	6,277.225	4,412.051	-1.55	9.7	
6822,221917	4202,021854		30856K44d	STWO	49	6822,221917	3342,311233		74	K	K44d	30856K44d	STWO	42	38	-4	6,277.225	4,412.051	-3.65	5.9	
4750	2970,570935		30864N61b	EGWO	46	4750	3076,781817		1	N	N61b	30864N61b	EGWO	40	43	3	4,694.765	3,144.662	2.65	5.9	
5139,544463	3817,074249		30864N61b	STWO	40	5139,544463	3085,766264		10	N	N61b	30864N61b	STWO	28	25	-3	4,694.765	3,989.588	-3.65	13.5	
5027,572547	3507,894444		30880N65b	EGWO	32	5027,572547	3409,863527		19	N	N65b	30880N65b	EGWO	25	30	5	4,694.765	3,567.125	4.75	5.9	
6426,472783	4029,097346		30929K52d	STWO	49	6426,472783	3108,365387		86	K	K52d	30929K52d	STWO	39	37	-2	6,277.225	3,989.588	-1.55	9.7	
6110,352008	3912,42133		30929K53a	STWO	49	6110,352008	3050,254945		76	K	K53a	30929K53a	STWO	37	36	-1	6,277.225	3,989.588	-1.55	13.5	
6003,341047	3943,941771		30929K53b	STWO	47	6003,341047	3152,724653		97	K	K53b	30929K53b	STWO	36	34	-2	6,277.225	3,989.588	-1.55	9.7	
6212,257689	4026,64899		30929K54a	STWO	49	6244,834335	3193,297901		79	K	K54a	30929K54a	STWO	37	35	-2	6,277.225	3,989.588	-1.55	13.5	
6140,397182	3863,413		30929K54b	STWO	49	6140,397182	2877,024642		55	K	K54b	30929K54b	STWO	39	37	-2	6,277.225	3,989.588	-1.55	9.7	
6053,007744	3886,651121		30929K54c	STWO	49	6053,007744	2967,279803		67	K	K54c	30929K54c	STWO	38	36	-2	6,277.225	3,989.588	-1.55	9.7	
3927,88552	2782,133149		30937F83a	EGWO	28	3927,88552	2846,06678		26	F	F83a	30937F83a	EGWO	26	29	3	4,694.765	2,722.199	2.65	2.1	
3871,764968	2727,71772		30945F83a	EGWO	27	3871,764968	2813,293362		25	F	F83a	30945F83a	EGWO	26	29	3	3,112.304	2,722.199	2.65	2.1	
6068,069861	4567,120818		30953F87c	STWO	33	6068,069861	4044,390366		44	F	F87c	30953F87c	STWO	27	25	-2	6,277.225	4,412.051	-1.55	5.9	
5435,570715	3420,107357		30953F87d	STWO	27	5435,570715	3136,091082		399	F	F87d	30953F87d	STWO	20	20	0	7,694.765	3,567.125	0.55	5.9	
7711,644841	3707,880347		30961M55b	EGWO	49	7711,644841	3888,223912		7	M	M55b	30961M55b	EGWO	48	49	1	1,859.686	3,567.125	0.55	2.1	
6727,217662	3096,470709		30961M55d	EGWO	49	6727,217662	2925,951078		17	M	M55d	30961M55d	EGWO	49	49	0	0,277.225	3,144.662	0.55	-1.7	
6952,952779	4136,885367		30961M55d	STWO	49	6952,952779	3353,110465		93	M	M55d	30961M55d	STWO	41	41	0	8,277.225	3,989.588	0.55	9.7	
5811,162302	4063,105966		31003M31b	STWO	36	5820,179841	4358,501854		225	M	M31b	31003M31b	STWO	32	29	-3	4,277.225	3,989.588	-3.65	2.1	
5928,381103	4251,197851		31011M55h	STWO	38	5928,381103	3689,535357		161	M	M55h	31011M55h	STWO	28	28	0	10,277.225	4,412.051	0.55	9.7	
4346,050965	2603,481979		31038F76a	EGWO	41	4346,050965	2422,942172		6	F	F76a	31038F76a	EGWO	36	40	4	5,694.765	2,722.199	4.75	5.9	
4336,473064	3800,29405		31054F85c	STWO	9	4336,473064	4155,226642		119	F	F85c	31054F85c	STWO	14	12	-2	-5,694.765	3,989.588	-1.55	-5.5	
6282,460402	2885,450834		31062M55h	EGWO	49	6282,460402	2420,311912		6	M	M55h	31062M55h	EGWO	49	49	0	0,277.225	2,722.199	0.55	-1.7	
5140,645459	3996,930407		31070E38d	STWO	43	5150,198007	4109,801078		63	E	E38d	31070E38d	STWO	32	30	-2	11,694.765	3,989.588	-1.55	9.7	
4431,095876	3797,073902		31070E39a	STWO	28	4431,095876	4028,187011		16	E	E39a	31070E39a	STWO	19	17	-2	9,694.765	3,989.588	-1.55	9.7	
8152,260268	3717,912887		31089K26a	EGWO	49	8152,260268	3312,159658		6	K	K26a	31089K26a	EGWO	49	49	0	0,859.686	3,567.125	0.55	-1.7	
7555,881557	4568,571702		31097E14e	STWO	49	7555,881557	3696,406973		44	E	E14e	31097E14e	STWO	41	39	-2	8,859.686	4,412.051	-1.55	9.7	
5420,273277	2916,356295		31135N69a	EGWO	47	5420,273277	2851,15618		15	N	N69a	31135N69a	EGWO	44	46	2	3,694.765	2,722.199	2.65	2.1	
6371,762957	4015,683226		31151E37e	STWO	49	6371,762957	3138,901222		9	E	E37e	31151E37e	STWO	39	37	-2	10,277.225	3,989.588	-1.55	9.7	
5378,272193	4178,458039		31178K47g	STWO	49	5378,272193	3793,953249		90	K	K47g	31178K47g	STWO	38	37	-1	11,694.765	3,989.588	-1.55	9.7	
6846,059135	3881,878436		31178K47j	STWO	49	6846,059135	2890,901501		33	K	K47j	31178K47j	STWO	47	39	-8	2,277.225	3,989.588	-7.85	2.1	
7607,826157	4255,431507		31186K47g	STWO	49	7607,826157	2967,385898		80	K	K47g	31186K47g	STWO	46	44	-2	3,859.686	4,412.051	-1.55	2.1	
7545,619794	4235,249214		31186K47j	STWO	49	7545,619794	3012,744232		54	K	K47j	31186K47j	STWO	46	44	-2	3,859.686	4,412.051	-1.55	2.1	
8769,729237			31194E22a	EGWO		8900,774121			3	E	E22a	31194E22a	EGWO				9,442.146				
8404,723347	4694,939554		31194E22a	STWO	49	8429,971743	4617,802885		43	E	E22a	31194E22a	STWO		45		7,859.686	4,834.514			
6824,117088	3993,754725		31224K52c	STWO	49	6824,117088	2885,560099		263	K	K52c	31224K52c	STWO	44	41	-3	5,277.225	3,989.588	-3.65	5.9	
7778,987385	4641,401139		31232A08a	STWO	37	7778,987385	4940,064991		36	A	A08a	31232A08a	STWO	41	40	-1	-4,859.686	4,834.514	-1.55	-5.5	
6786,396847	4146,11651		31232A08b	STWO	36	6786,396847	5193,387927		24	A	A08b	31232A08b	STWO	41	38	-3	-5,859.686	4,412.051	-3.65	-5.5	
5751,309431	2865,967604		31240K91c	EGWO	49	5751,309431	2706,570747		20	K	K91c	31240K91c	EGWO	49	49	0	0,277.225	2,722.199	0.55	-1.7	
6233,144694	4110,815517		31259E13a	STWO	46	6233,144694	3380,172568		77	E	E13a	31259E13a	STWO	39	34	-5	7,277.225	3,989.588	-5.75	5.9	
6432,362488	4058,456732		31267A00d	STWO	37	6432,362488	3875,485893		10	A	A00d	31267A00d	STWO	42	37	-5	-5,277.225	3,989.588	-5.75	-5.5	
7039,706555	4370,751871		31267A01g	STWO	32	7039,706555	4761,830792		32	A	A01g	31267A01g	STWO	42	38	-4	-10,277.225	4,412.051	-3.65	-9.3	
6922,790892	4311,884834		31267A01h	STWO	36	6952,230456	4483,238934		30	A	A01h	31267A01h	STWO	43	38	-5	-7,277.225	4,412.051	-5.75	-5.5	
7277,694609	4443,156586		31275E16a	STWO	49	7277,694609	3624,469172		194	E	E16a	31275E16a	STWO	40	39	-1	9,859.686	4,412.051	-1.55	9.7	
7663,625667	4527,309451		31275E16b	STWO	49	7663,625667	3793,737572		26	E	E16b	31275E16b	STWO	42	41	-1	7,859.686	4,412.051	-1.55	5.9	
8556,390977	4158,325068		31283A02c	EGWO	49	8556,390977	4366,7111		1	A	A02c	31283A02c	EGWO	49	49	0	0,859.686	3,989.588	0.55	-1.7	
7593,010251	4502,350029		31283A02c	STWO	42	7593,010251	4401,849464		21	A	A02c	31283A02c	STWO	45	40	-5	-3,859.686	4,412.051	-5.75	-1.7	
6251,411729	2868,222676		31291M55h	EGWO	49	6251,411729	2647,648787		5	M	M55h	31291M55h	EGWO		49		6,277.225	2,722.199			
6310,915604	3984,441445		31291M55h	STWO	46	6310,915604	2990,940251		13	M	M55h	31291M55h	STWO	36	36	0	10,277.225	3,989.588	0.55	9.7	
7965,104448	3989,008267		31305A02a	EGWO	46	7965,104448	4446,94725		6	A	A02a	31305A02a	EGWO	49	49	0	-3,859.686	3,989.588	0.55	-1.7	
6957,682514	4295,146928		31305A02a	STWO	41	6957,682514	4383,610088		24	A	A02a	31305A02a	STWO	43	38	-5	-2,277.225	4,412.051	-5.75	-1.7	
7401,558214	4181,460251		31313K52a	STWO	49	7401,558214	3181,11782		66	K	K52a	31313K52a	STWO	45	43	-2	4,859.686	3,989.588	-1.55	2.1	
6404,696779	3865,871317		31321K52b	STWO	49	6404,696779	2728,846978		167	K	K52b	31321K52b	STWO	41	39	-2	8,277.225	3,989.588	-1.55	9.7	
6286,011946	3805,248739		31321K52c	STWO	49	6286,011946	2643,092021		235	K	K52c	31321K52c	STWO	41	39	-2	8,277.225	3,989.588	-1.55	9.7	
6270,093529	3808,0679		31321K52d	STWO	49	6270,093529	2640,852317		127	K	K52d	31321K52d	STWO	40	39	-1	9,277.225	3,989.588	-1.55	9.7	
4767,956192	3494,542222		31348K90d	STWO	34	4767,956192	3168,197443		36	K	K90d	31348K90d	STWO	33	27	-6	1,694.765	3,567.125	-5.75	2.1	
7495,021962	4499,037906		31372A01f	STWO	36	7495,021962	4802,890721		10	A	A01f	31372A01f	STWO	44	40	-4	-8,859.686	4,412.051	-3.65	-9.3	
6116,27907	4004,011956		31437A01g	STWO	33	6116,27907	3808,4389		1	A	A01g	31437A01g	STWO		38		6,277.225	3,989.588			
8950,558214	4253,80952		31453A06c	EGWO	45	8950,558214	4897,07397		2	A	A06c	31453A06c	EGWO	49	49	0	-4,942.146	4,412.051	0.55	-5.5	
7372,068215	4491,421703		31453A06c	STWO	39	7372,068215	4551,215157		160	A	A06c	31453A06c	EGWO	42	39	-3	-3,859.686	4,412.051	-3.65	-1.7	
10967,2425			31453A06f	EGWO		10967,2425	3435,4657		2	A	A06f	31453A06f	EGWO				11,024.607				
6816,989969	4282,636822		31453A06f	STWO	35	6816,989969	4424,817377		24	A	A06f	31453A06f	STWO	40	37	-3	-5,277.225	4,412.051	-3.65	-5.5	
7512,286369	4567,9209		31453A06g	STWO	38	7512,286369	4668,729489		152	A	A06g	31453A06g	STWO	43	39	-4	-5,859.686	4,412.051	-3.65	-5.5	
7005,228375	4464,189583		31453A06i	STWO	34	7005,228375	4734,67315		29	A	A06i	31453A06i	STWO	39	36	-3	-5,859.686	4,412.051	-3.65	-5.5	
7161,664813	3480,155416		31461A06g	EGWO	46	7161,664813	3871,168357		8	A	A06g	31461A06g	EGWO	49	49	0	-3,859.686	3,567.125	0.55	-1.7	
7947,211072	4683,470805		31461A06g	STWO	42	7947,211072	4673,622348		133	A	A06g	31461A06g	STWO	44	41	-3	-2,859.686	4,834.514	-3.65	-1.7	
7351,611378	3990,904693		31496K49d	STWO	49	7351,611378	2445,983879		22	K	K49d	31496K49d	STWO	48	45	-3	1,859.686	3,989.588	-3.65	2.1	
16563,21839	6313,134278		31496K49e	EGWO	49	16563,21839	5124,6943		1	K	K49e	31496K49e	EGWO	49	49	0	15,771.988	6,101.903	0.55	-1.7	
7300,46312	4075,607119		31496K49e	STWO	49	7300,46312	2559,106312		55	K	K49e	31496K49e	STWO	49	45	-4	0,859.686	3,989.588	-3.65	-1.7	
11126,18975	3900,918152		31496K49f	STWO	49	11126,18975	2593,513002		9	K	K49f	31496K49f	STWO	49	49	0	11,024.607	3,989.588	0.55	-1.7	
7351,242334	4093,437264		31496K49f	STWO	49	7351,242334	2722,616364		54	K	K49f	31496K49f	STWO	48	45	-3	1,859.686	3,989.588	-3.65	2.1	
4314,099164	3067,080772		31518F77f	EGWO	28	4314,099164	3172,839153		36	F	F77f	31518F77f	EGWO	25	28	3	3,694.765	3,144.662	2.65	2.1	
8195,614035	4545,847231		31526M55b	EGWO	49	8195,614035	4605,177506		4	M	M55b	31526M55b	EGWO	47	49	2	2,859.686	4,412.051	2.65	2.1	
3744,702584	3446,767459		31534F81b	STWO	12	3744,702584	3507,01457		286	F	F81b	31534F81b	STWO	11	8	-3	1,312.304	3,567.125	-3.65	2.1	
8234,042553	4239,415637		31542A02c	EGWO	49	8234,042553	4742,477		2	A	A02c	31542A02c	EGWO	49	49	0	0,859.686	4,412.051	0.55	-1.7	
7443,866466	4396,578217		31542A02c	STWO	42	7443,866466	4310,676419		18	A	A02c	31542A02c	STWO	45	41	-4	-3,859.686	4,412.051	-3.65	-1.7	
7927,835052	4136,084973		31542A02d	EGWO	49	7927,835052	4702,1939		1	A	A02d	31542A02d	EGWO	49	49	0	0,859.686	3,989.588	0.55	-1.7	
7651,14688	4500,074452		31542A02d	STWO	44	7651,14688	4311,514302		22	A	A02d	31542A02d	STWO	46	42	-4	-2,859.686	4,412.051	-3.65	-1.7	
5885,160428	3107,515872		31550A00e	EGWO	36	5885,160428	3895,07895		2	A	A00e	31550A00e	EGWO	44	46	2	-8,277.225	3,144.662	2.65	-9.3	
7177,842002	4395,385385		31550A00e	STWO	33	7177,842002	4838,714656		11	A	A00e	31550A00e	STWO	41	37	-4	-8,859.686	4,412.051	-3.65	-9.3	
6700	3506,90411		31569K25a	EGWO	43	6700	3955,5863		1	K	K25a	31569K25a	EGWO	46	48	2	-3,277.225	3,567.125	2.65	-1.7	
7242,155661	4342,200567		31569K25a	STWO	49	7242,155661	3546,64822		41	K	K25a	31569K25a	STWO	43	40	-3	6,859.686	4,412.051	-3.65	5.9	
6927,7075	3554,252251		31577K25a	EGWO	44	6927,7075	3840,38075		6	K	K25a	31577K25a	EGWO	47	49	2	-3,277.225	3,567.125	2.65	-1.7	
7305,330891	4311,059697		31577K25a	STWO	49	7305,330891	3517,51671		79	K	K25a	31577K25a	STWO	44	38	-6	5,859.686	4,412.051	-5.75	5.9	
7696,391717	4457,549997		31577K25b	STWO	49	7696,391717	3625,94956		399	K	K25b	31577K25b	STWO	45	42	-3	4,859.686	4,412.051	-3.65	2.1	
7201,770913	4256,875673		31577K25c	STWO	49	7201,770913	3336,313598		250	K	K25c	31577K25c	STWO	43	41	-2	6,859.686	4,412.051	-1.55	5.9	
7481,04339	4384,41107		31577K25d	STWO	49	7481,04339	3503,47411		252	K	K25d	31577K25d	STWO	44	41	-3	5,859.686	4,412.051	-3.65	5.9	
6208,158941	4208,746626		31607M56c	STWO	40	6208,158941	4484,332089		28	M	M56c	31607M56c	STWO	31	32	1	9,277.225	4,412.051	0.55	9.7	
3923,935709	3331,81108		31615F78d	STWO	17	3923,935709	3277,48733		90	F	F78d	31615F78d	STWO	12	15	3	5,694.765	3,144.662	2.65	5.9	
6680,746523	4036,947252		31623M27a	STWO	49	6680,746523	2880,89811		147	M	M27a	31623M27a	STWO	43	40	-3	6,277.225	3,989.588	-3.65	5.9	
7177,544893	4238,01073		31623M28a	STWO	49	7177,544893	3486,906642		159	M	M28a	31623M28a	STWO	42	41	-1	7,859.686	4,412.051	-1.55	5.9	
8448,630137			31631K24c	EGWO	48	8448,630137	3825,060567		1	K	K24c	31631K24c	EGWO				7,859.686				
7921,475903	4379,801822		31631K24c	STWO	49	7921,475903	3413,434402		141	K	K24c	31631K24c	STWO	48	44	-4	1,859.686	4,412.051	-3.65	2.1	
6104,545455	2989,609492		31631K24d	EGWO		6104,545455	3474,555		1	K	K24d	31631K24d	EGWO				6,277.225	3,144.662			
7973,920814	4548,782811		31631K24d	STWO	49	7973,920814	3689,154962		86	K	K24d	31631K24d	STWO	46	43	-3	3,859.686	4,412.051	-3.65	2.1	
7513,485893	4335,659731		31631K25d	STWO	49	7513,485893	3419,296227		102	K	K25d	31631K25d	STWO	46	42	-4	3,859.686	4,412.051	-3.65	2.1	
7936,322855	4318,733438		31658K47a	STWO	49	7936,322855	3126,981301		78	K	K47a	31658K47a	STWO	48	45	-3	1,859.686	4,412.051	-3.65	2.1	
8226,659281	4361,782985		31658K47f	STWO	49	8226,659281	3679,525255		115	K	K47f	31658K47f	STWO	49	46	-3	0,859.686	4,412.051	-3.65	-1.7	
7114,058901	4138,91693		31658K47j	STWO	49	7114,058901	3080,760789		95	K	K47j	31658K47j	STWO	45	41	-4	4,859.686	3,989.588	-3.65	2.1	
3155,896769	3252,825222		31682F81e	STWO	6	3155,896769	3202,483174		268	F	F81e	31682F81e	STWO	9	7	-2	-3,112.304	3,144.662	-1.55	-1.7	
7651,376147	3957,855705		31690A04h	EGWO	42	7651,376147	4570,1636		1	A	A04h	31690A04h	EGWO	48	49	1	6,859.686	3,989.588	0.55	5.5	
7448,528769	4346,817671		31690A04h	STWO	43	7448,528769	4285,274947		20	A	A04h	31690A04h	STWO	44	42	-2	-1,859.686	4,412.051	-1.55	-1.7	
6579,439252	3165,087378		31704A04c	EGWO	39	6579,439252	3788,1064		1	A	A04c	31704A04c	EGWO	48	49	1	-9,277.225	3,144.662	0.55	-9.3	
6993,542419	4464,35613		31704A04c	STWO	34	6993,542419	4671,242203		16	A	A04c	31704A04c	STWO	40	38	-2	-6,277.225	4,412.051	-1.55	-5.5	
6297,839852	3918,26267		31712M28a	STWO	49	6297,839852	2897,617949		63	M	M28a	31712M28a	STWO	41	38	-3	8,277.225	3,989.588	-3.65	9.7	
6289,191405	4024,949478		31720M28a	STWO	46	6289,191405	3122,448399		55	M	M28a	31720M28a	STWO	39	36	-3	7,277.225	3,989.588	-3.65	5.9	
8244,564195	4668,817814		31747K24c	STWO	49	8244,564195	3937,85306		242	K	K24c	31747K24c	STWO	46	43	-3	3,859.686	4,834.514	-3.65	2.1	
6892,663488	4282,268064		31755K26a	STWO	49	6892,663488	3482,67804		146	K	K26a	31755K26a	STWO	37	38	1	12,277.225	4,412.051	0.55	13.5	
6623,188406	4297,642513		31771K52g	STWO	33	6623,188406	4447,857523		48	K	K52g	31771K52g	STWO	36	35	-1	-3,277.225	4,412.051	-1.55	-1.7	
4072,055585	2755,83014		31828F78b	EGWO	31	4072,055585	2809,651229		20	F	F78b	31828F78b	EGWO	29	32	3	2,694.765	2,722.199	2.65	2.1	
3716,931648	3346,102348		31828F78c	STWO	14	3716,931648	3203,367189		137	F	F78c	31828F78c	STWO	13	11	-2	1,312.304	3,144.662	-1.55	2.1	
5074,63704	3611,365999		31836K90c	STWO	31	5074,63704	3336,188202		21	K	K90c	31836K90c	STWO	33	29	-4	-2,694.765	3,567.125	-3.65	-1.7	
6167,947558	4079,472683		31844E38c	STWO	49	6167,947558	3147,392718		198	E	E38c	31844E38c	STWO	36	34	-2	13,277.225	3,989.588	-1.55	13.5	

4207,454748	3524,284553	[redacted]	31852K90c	STWO	21	4207,454748	3520,054667	[redacted]	45	K	K90c	31852K90c	STWO	25	19	-6	-4	4,694.765	3,567.125	-5.75	-5.5
4108,591911	3843,916139		31879F76b	STWO	7	4108,591911	4292,787092		104	F	F76b	31879F76b	STWO	8	8	0	-1	4,694.765	3,989.588	0.55	-1.7
4918,365896	3951,84895		31887E37c	STWO	34	4918,365896	4187,697847		148	E	E37c	31887E37c	STWO	25	23	-2	9	4,694.765	3,989.588	-1.55	9.7
8114,424242			31895A07h	EGWO	49	8114,424242	3287,93695		2	A	A07h	31895A07h	EGWO	49	49	0	0	7,859.686		0.55	-1.7
7959,025563	4436,764201		31895A07h	EGWO	49	7959,025563	4062,488238		39	A	A07h	31895A07h	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
6516,40364	3145,847926		31909K24e	EGWO	48	6516,40364	3821,211173		4	K	K24e	31909K24e	EGWO	49	49	0	-1	6,277.225	3,144.662	0.55	-1.7
7345,704115	4185,361835		31909K24e	STWO	49	7345,704115	3055,87859		240	K	K24e	31909K24e	STWO	45	43	-2	4	7,859.686	3,989.588	-1.55	2.1
6835,257408	4041,347526		31909K25b	STWO	49	6835,257408	2886,874213		127	K	K25b	31909K25b	STWO	44	41	-3	5	6,277.225	3,989.588	-3.65	5.9
7596,794594	4371,985992		31917A07h	STWO	47	7596,794594	4006,368516		35	A	A07h	31917A07h	STWO	46	43	-3	1	7,859.686	4,412.051	-3.65	2.1
5462,701169			31917A08b	EGWO	38	5462,701169	3355,179433		3	A	A08b	31917A08b	EGWO					4,694.765			
6748,296	4277,235293		31917A08b	STWO	40	6748,296	4018,035344		366	A	A08b	31917A08b	STWO	39	37	-2	1	6,277.225	4,412.051	-1.55	2.1
6910,918572	4296,793475		31917A08e	STWO	34	6910,918572	4555,47675		54	A	A08e	31917A08e	STWO	40	38	-2	-6	6,277.225	4,412.051	-1.55	-5.5
6377,940129	4108,721037		31917A09h	STWO	35	6377,940129	4293,772393		20	A	A09h	31917A09h	STWO	39	36	-3	-4	6,277.225	3,989.588	-3.65	-5.5
6125,865623	3953,628051		31917A09i	STWO	37	6125,865623	3613,368881		11	A	A09i	31917A09i	STWO	40	36	-4	-3	6,277.225	3,989.588	-3.65	-1.7
6807,592991	4150,691686		31925K44c	STWO	49	6807,592991	3287,031353		139	K	K44c	31925K44c	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7034,037703	4289,387137		31925K44d	STWO	49	7034,037703	3426,818404		175	K	K44d	31925K44d	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9
5509,94084	3806,117625		31933N65b	STWO	33	5509,94084	3690,240065		24	N	N65b	31933N65b	EGWO	27	31	4	6	6,277.225	3,989.588	4.75	5.9
3900,3003	3636,602938		31968N69l	STWO	5	3900,3003	4036,655968		40	N	N69l	31968N69l	STWO	8	9	1	-3	3,112.304	3,567.125	0.55	-1.7
8986,032389			31976K46c	EGWO		8986,032389	2776,18125		2	K	K46c	31976K46c	EGWO					9,442.146			
8127,480319	4258,694752		31976K46c	STWO	49	8127,480319	2859,933097		118	K	K46c	31976K46c	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
7227,199598	3341,704913		31984E21b	STWO	49	7227,199598	3232,253601		2	E	E21b	31984E21b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
8141,503352	4428,779819		31984E21b	STWO	49	8141,503352	3365,208108		22	E	E21b	31984E21b	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
8001,932312	4334,060017		31992E21b	STWO	49	8001,932312	3193,864501		78	E	E21b	31992E21b	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
3830,068603	3230,969603		32018N72a	STWO	43	3830,068603	2183,235		2	N	N72a	32018N72a	STWO					3,112.304	3,144.662		
7380,53531	4350,034441		32026E14f	STWO	49	7380,53531	3541,479211		24	E	E14f	32026E14f	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
5096,385542	3609,523263		32042E36b	STWO		5096,385542	2559,06		1	E	E36b	32042E36b	STWO					4,694.765	3,567.125		
6626,196334	4202,213696		32050M30a	STWO	48	6626,196334	3384,15813		58	M	M30a	32050M30a	STWO	37	36	-1	11	6,277.225	4,412.051	-1.55	9.7
11300,98542	4575,47856		32069K47b	EGWO	49	11300,98542	4194,013105		4	K	K47b	32069K47b	EGWO					11,024.607	4,412.051		
6966,780248	4273,331934		32077A03f	STWO	40	6966,780248	3817,936157		9	A	A03f	32077A03f	STWO	43	40	-3	-3	6,277.225	4,412.051	-3.65	-1.7
5951,323223	3876,180845		32085N62b	EGWO	41	5951,323223	3590,731752		19	N	N62b	32085N62b	EGWO	33	36	3	8	6,277.225	3,989.588	2.65	9.7
7842,349611	3742,539922		32093N64c	EGWO	49	7842,349611	3148,477399		10	N	N64c	32093N64c	EGWO	47	49	2	2	7,859.686	3,567.125	2.65	2.1
6864,812605	4001,668515		32115K52a	STWO	49	6864,812605	2822,363065		45	K	K52a	32115K52a	STWO	43	42	-1	6	6,277.225	3,989.588	-1.55	5.9
6492,730073	3947,006928		32115K52b	STWO	49	6492,730073	2868,086368		87	K	K52b	32115K52b	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7266,666667	5027,573306		32123N73a	EGWO	49	7266,666667	3931,679321		3	N	N73a	32123N73a	EGWO	44	47	3	5	7,859.686	4,834.514	2.65	5.9
6140,693251	3395,381153		32123N73b	EGWO	45	6140,693251	3298,65707		101	N	N73b	32123N73b	EGWO	38	44	6	7	6,277.225	3,567.125	6.85	5.9
4954,761905	3846,586447		32123N73b	STWO		4954,761905	3005,006667		3	N	N73b	32123N73b	STWO					4,694.765	3,989.588		
4508,297003	2509,308854		32131N70b	EGWO	49	4508,297003	2218,633713		34	N	N70b	32131N70b	EGWO	41	44	3	8	4,694.765	2,299.736	2.65	9.7
4580,246914	3505,995316		32131N70b	STWO	28	4580,246914	2783,138546		1	N	N70b	32131N70b	STWO	18	21	3	10	4,694.765	3,567.125	2.65	9.7
6976,654037	3921,581937		32158N62b	EGWO	44	6976,654037	3751,69269		26	N	N62b	32158N62b	EGWO	39	42	3	5	6,277.225	3,989.588	2.65	5.9
6090,604027			32166A05f	EGWO		6090,604027	3554,246336		2	A	A05f	32166A05f	EGWO					6,277.225			
5385,18672	3536,102294		32174N63a	EGWO	38	5385,18672	3327,074735		18	N	N63a	32174N63a	EGWO	33	34	1	5	4,694.765	3,567.125	0.55	5.9
5844,269397	4158,567616		32182K90a	STWO	26	5844,269397	4465,545089		110	K	K90a	32182K90a	STWO	30	28	-2	-4	6,277.225	3,989.588	-1.55	-5.5
6785,898603	3373,920307		32190E18a	EGWO	49	6785,898603	3427,460803		7	E	E18a	32190E18a	EGWO	49	49	0	0	6,277.225	3,567.125	0.55	-1.7
7756,664995	4492,076667		32190E18a	STWO	48	7756,664995	4151,502074		77	E	E18a	32190E18a	STWO	43	41	-2	5	7,859.686	4,412.051	-1.55	5.9
7337,503962	4365,207304		32204K45a	STWO	47	7426,624552	3936,068145		18	K	K45a	32204K45a	STWO	45	41	-4	2	7,859.686	4,412.051	-3.65	2.1
6053,892216	2764,165223		32212K45a	EGWO	46	6053,892216	2363,8944		1	K	K45a	32212K45a	EGWO	47	48	1	-1	6,277.225	2,722.199	0.55	-1.7
6695,572416	3990,533146		32212K45a	STWO	49	6695,572416	2934,511733		27	K	K45a	32212K45a	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
7486,096715	4381,599027		32220K45a	STWO	49	7486,096715	3572,964022		82	K	K45a	32220K45a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7090,337092	4291,644758		32220K45b	STWO	49	7090,337092	3383,319819		46	K	K45b	32220K45b	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9
6791,006608	4182,30274		32239K53a	STWO	49	6791,006608	3450,929336		69	K	K53a	32239K53a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6082,306635	4414,369872		32247F87f	STWO	36	6082,306635	3929,814145		373	F	F87f	32247F87f	STWO	24	28	4	12	6,277.225	4,412.051	4.75	13.5
7594,490186	3816,995279		32271A04c	EGWO	39	7594,490186	4464,848921		3	A	A04c	32271A04c	EGWO	48	49	1	-9	7,859.686	3,989.588	0.55	-9.3
7170,783279	4472,863463		32271A04c	STWO	34	7170,783279	4759,87055		27	A	A04c	32271A04c	STWO	39	38	-1	-5	7,859.686	4,412.051	-1.55	-5.5
6525,037609	3788,131078		32298A04b	EGWO	36	6525,037609	4259,0137		3	A	A04b	32298A04b	EGWO	45	46	1	-9	6,277.225	3,989.588	0.55	-9.3
7425,692481	4478,794544		32298A04b	STWO	41	7425,692481	4400,921879		32	A	A04b	32298A04b	STWO	42	40	-2	-1	7,859.686	4,412.051	-1.55	-1.7
4218,398752	2568,388774		32301N70a	EGWO	44	4218,398752	2357,132404		20	N	N70a	32301N70a	EGWO	37	39	2	7	4,694.765	2,722.199	2.65	5.9
5533,333333			32336N63a	EGWO	39	5533,333333			2	N	N63a	32336N63a	EGWO	34	36	2	5	6,277.225		2.65	5.9
6496,65342	3895,630286		32360M27b	STWO	49	6496,65342	2637,75814		42	M	M27b	32360M27b	STWO	45	40	-5	4	6,277.225	3,989.588	-5.75	2.1
6751,503918	4128,029107		32379M27b	STWO	49	6751,503918	3172,721418		87	M	M27b	32379M27b	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
8299,465241	3225,373891		32409E21b	EGWO	49	8299,465241	2734,449533		1	E	E21b	32409E21b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
8245,861068	4337,679788		32409E21b	STWO	49	8245,861068	3521,720707		34	E	E21b	32409E21b	STWO	47	46	-1	2	7,859.686	4,412.051	-1.55	2.1
4230,511543	3767,803711		32441N68c	STWO	6	4230,511543	4240,078426		186	N	N68c	32441N68c	STWO	11	11	0	-5	4,694.765	3,567.125	0.55	-5.5
4728,809063	2672,474935		32476F77f	EGWO	38	4728,809063	2437,444754		26	F	F77f	32476F77f	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
3962,121212	3243,682453		32476F77f	STWO	17	3962,121212	2208,33		1	F	F77f	32476F77f	STWO	14	14	0	3	4,694.765	3,144.662	0.55	2.1
3903,658537	2836,509091		32484N65a	EGWO	25	3903,658537	2910,138		10	N	N65a	32484N65a	EGWO	19	27	8	6	4,694.765	2,722.199	8.95	5.9
5867,858455	3078,27164		32506N62b	EGWO	42	5867,858455	2822,466788		17	N	N62b	32506N62b	EGWO	36	38	2	6	6,277.225	3,144.662	2.65	5.9
5954,066804	4329,185482		32514M57a	STWO	41	5954,066804	3517,501676		50	M	M57a	32514M57a	STWO	28	27	-1	13	6,277.225	4,412.051	-1.55	13.5
9930,77913	3645,582162		32522K49a	EGWO	49	9930,77913	2463,726086		28	K	K49a	32522K49a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7311,43719	4103,849641		32522K49a	STWO	49	7311,43719	2632,726688		12	K	K49a	32522K49a	STWO	48	46	-2	1	7,859.686	3,989.588	-1.55	2.1
9916,978023	3548,830498		32522K49b	EGWO	49	9916,978023	2437,22957		14	K	K49b	32522K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7563,385737	4191,764437		32522K49b	STWO	49	7563,385737	2786,707849		19	K	K49b	32522K49b	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
3862,244133	2689,594903		32549N65a	EGWO	29	3862,244133	2673,986809		53	N	N65a	32549N65a	EGWO	26	29	3	3	3,112.304	2,722.199	2.65	2.1
4530,883312	2980,129878		32557F76a	EGWO	34	4530,883312	2959,404712		17	F	F76a	32557F76a	EGWO	32	34	2	2	4,694.765	3,144.662	2.65	2.1
6094,588158	4008,668524		32565M32b	STWO	45	6094,588158	3278,288109		86	M	M32b	32565M32b	STWO	36	34	-2	9	6,277.225	3,989.588	-1.55	9.7
4588,235294	2681,617836		32573F77f	EGWO	38	4588,235294	2464,726278		5	F	F77f	32573F77f	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
3659,03533	3400,308386		32573F77f	STWO	12	3659,03533	3418,794576		59	F	F77f	32573F77f	STWO	11	9	-2	1	3,112.304	3,567.125	-1.55	2.1
6365,406259	4262,468235		32581M55d	STWO	46	6365,406259	4645,417783		42	M	M55d	32581M55d	STWO	34	33	-1	12	6,277.225	4,412.051	-1.55	13.5
7842,709462	4458,941935		32603K25a	STWO	49	7842,709462	3616,568439		15	K	K25a	32603K25a	STWO	46	42	-4	3	7,859.686	4,412.051	-3.65	2.1
1990,384615			32638810d	EGWO		1990,384615			8	B	B10d	32638810d	EGWO					1,529.844			
6436,761525	4211,267214		32646E41b	STWO	49	6436,761525	3253,179547		45	E	E41b	32646E41b	STWO	36	35	-1	13	6,277.225	4,412.051	-1.55	13.5
5168,998135	3713,095966		32654M31c	STWO	35	5168,998135	3390,831917		84	M	M31c	32654M31c	STWO	30	28	-2	5	4,694.765	3,567.125	-1.55	5.9
3838,18743	3749,322598		32662F76a	STWO	5	3838,18743	4203,3475		32	F	F76a	32662F76a	STWO	6	5	-1	-1	3,112.304	3,567.125	-1.55	-1.7
4877,683228	3681,030768		32670K90c	STWO	28	4877,683228	3471,245823		45	K	K90c	32670K90c	STWO	31	26	-5	-3	4,694.765	3,567.125	-5.75	-1.7
4945,076923	2929,793817		32697N61b	EGWO	46	4945,076923	2900,105		2	N	N61b	32697N61b	EGWO	40	43	3	6	4,694.765	2,722.199	2.65	5.9
4568,295436	3584,576628		32697N61b	STWO	39	4568,295436	2765,911714		17	N	N61b	32697N61b	STWO	27	21	-6	12	4,694.765	3,567.125	-5.75	13.5
6252,03252	2923,260219		32700M57a	STWO	49	6252,03252	2308,89		1	M	M57a	32700M57a	EGWO	44	47	3	5	6,277.225	2,722.199	2.65	5.9
5782,731405	4110,670051		32700M57a	STWO	43	5782,731405	3277,365253		34	M	M57a	32700M57a	STWO	29	29	0	14	6,277.225	3,989.588	0.55	13.5
7007,25211	3415,833177		32727M55d	EGWO	49	7007,25211	3323,79013		2	M	M55d	32727M55d	EGWO	49	49	0	0	6,277.225	3,567.125	0.55	-1.7
6713,672292	4026,671226		32727M55d	STWO	49	6713,672292	3150,537787		63	M	M55d	32727M55d	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
7694,053096	4578,346038		32751K48c	STWO	49	7694,053096	3889,044229		48	K	K48c	32751K48c	STWO	45	40	-5	4	7,859.686	4,412.051	-5.75	2.1
4203,377945	3167,742391		32778N65c	EGWO	28	4203,377945	3168,403103		29	N	N65c	32778N65c	EGWO	25	28	3	3	4,694.765	3,144.662	2.65	2.1
5570,469799	3133,849238		32786A01b	EGWO	24	5570,469799	4226,4486		1	A	A01b	32786A01b	EGWO	38	43	5	-14	6,277.225	3,144.662	4.75	-13.1
8322,707987	4828,693222		32786A01b	STWO	34	8322,707987	5495,711444		26	A	A01b	32786A01b	STWO	45	41	-4	-11	7,859.686	4,834.514	-3.65	-9.3
7338,493941	3534,475141		32786A01d	EGWO	35	7338,493941	4519,684254		8	A	A01d	32786A01d	EGWO	48	49	1	-13	6,277.225	3,567.125	0.55	-13.1
7688,915093	4463,236756		32786A01d	STWO	38	7688,915093	4672,203057		143	A	A01d	32786A01d	STWO	45	41	-4	-7	7,859.686	4,412.051	-3.65	-5.5
7727,627355	3815,197126		32786A01f	EGWO	39	7727,627355	4661,104117		5	A	A01f	32786A01f	EGWO	49	49	0	-10	7,859.686	3,989.588	0.55	-9.3
7825,794981	4511,776862		32786A01f	STWO	37	7825,794981	4915,605327		94	A	A01f	32786A01f	STWO	45	41	-4	-8	7,859.686	4,412.051	-3.65	-9.3
6902,98029	4269,749491		32786A01h	STWO	43	6902,98029	3924,174219		36	A	A01h	32786A01h	STWO	46	42	-4	-3	6,277.225	4,412.051	-3.65	-1.7
8181,558673	3789,795463		32786A02a	EGWO	49	8181,558673	3838,237315		8	A	A02a	32786A02a	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7777,968709	4479,161522		32786A02a	STWO	46	7777,968709	4220,67196		135	A	A02a	32786A02a	STWO	48	43	-5	-2	7,859.686	4,412.051	-5.75	-1.7
8279,330494	3557,605644		32786A02b	EGWO	49	8279,330494	3832,637667		3	A	A02b	32786A02b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
8040,116369	4492,274748		32786A02b	STWO	49	8040,116369	3919,427428		132	A	A02b	32786A02b	STWO	49	45	-4	0	7,859.686	4,412.051	-3.65	-1.7
7943,908905	3887,297312		32786A02c	EGWO	49	7943,908905	3980,588811		9	A	A02c	32786A02c	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	1.7
7780,056906	4452,783918		32786A02c	STWO	46	7780,056906	4135,974507		116	A	A02c	32786A02c	STWO	48	43	-5	-2	7,859.686	4,412.051	-5.75	-1.7
8621,137762	4664,684732		32786A02d	STWO	45	8621,137762	4719,876467		15	A	A02d	32786A02d	STWO	49	46	-3	-4	7,859.686	4,834.514	-3.65	-5.5
7713,364752	4712,23203		32786A03f	STWO	35	7713,364752	5150,890609		53	A	A03f	32786A03f	STWO	45	40	-5	-10	7,859.686	4,834.514	-5.75	-9.3
8650,970439	3722,057131		32786A03g	EGWO	49	8650,970439	3963,1186		2	A	A03g	32786A03g	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7501,90734	4296,237066		32786A03g	STWO	49	7501,90734	3676,052954		21	A	A03g	32786A03g	STWO	48	43	-5	1	7,859.686	4,412.051	-5.75	2.1
8638,209492	4413,364186		32786A05b	STWO	40	8638,209492	4508,308602		19	A	A05b	32786A05b	STWO	44	41	-3	-4	7,859.686	4,412.051	-3.65	-5.5
3832,97519	3454,313837		32794E39d	STWO	23	3832,97519	3579,683191		47	E	E39d	32794E39d	STWO	21	20	-1	2	3,112.304	3,567.125	-1.55	2.1
5035,714286			32816N65b	EGWO	33	5035,714286			2	N	N65b	32816N65b	EGWO	28	32	4	5	4,694.765		4.75	5.9
7056,288862	4024,271555		32832K52a	STWO	49	7056,288862	2878,581584		44	K	K52a	32832K52a	STWO	45	43	-2	4	6,277.225	3,989.588	-1.55	2.1
5583,276484	3880,173638		32840K90a	STWO	31	5583,276484	3866,974356		66	K	K90a	32840K90a	STWO	33	31	-2	-2	6,277.225	3,989.588	-1.55	-1.7
7955,488592	3611,893883		32859E75a	EGWO	49	7955,488592	3156,588013		46	E	E75a	32859E75a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
4145,114269	3771,880451		32867F77a	STWO	7	4145,114269	4201,999123		91	F	F77a	32867F77a	STWO	9	9	0	-2	4,694.765	3,567.125	0.55	-1.7

5110,654134	3806,211149	[redacted]	32883N60a	STWO	37	5110,654134	3198,744947	[redacted]	26	N	N60a	32883N60a	STWO	23	25	2	14	4,694.765	3,989.588	2.65	13.5
8666,666667	4310,426982		32891A00e	EGWO	36	8666,666667	5027,53756		1	A	A00e	32891A00e	EGWO	44	46	2	-8	9,442.146	4,412.051	2.65	-9.3
7486,219704	4486,035564		32891A00e	STWO	34	7486,219704	5144,239094		5	A	A00e	32891A00e	STWO	42	36	-6	-8	7,859.686	4,412.051	-5.75	-9.3
4146,957672	3381,395382		32905N71c	STWO	40	4146,957672	2491,456667		3	N	N71c	32905N71c	STWO	31	30	-1	9	4,694.765	3,567.125	-1.55	9.7
6980,435575	4179,832126		32921K53a	STWO	49	6980,435575	3518,692494		35	K	K53a	32921K53a	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7040,1686	4017,230371		32948K52a	STWO	49	7040,1686	2877,891047		35	K	K52a	32948K52a	STWO	45	43	-2	4	6,277.225	3,989.588	-1.55	2.1
1389,975969			32956N68d	STWO	13	1389,975969			28	N	N68d	32956N68d	STWO	5	13	8	8	1,529.844		8.95	9.7
7599,19928	4310,196781		32964A06l	STWO	44	7599,19928	3513,801348		3	A	A06l	32964A06l	STWO	45	42	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7696,296296	3805,29116		32972A05d	EGWO	49	7696,296296	4549,08603		1	A	A05d	32972A05d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7890,191505	4649,213532		32972A05d	STWO	47	7890,191505	4217,902838		11	A	A05d	32972A05d	STWO	43	41	-2	4	7,859.686	4,834.514	-1.55	2.1
8239,891494	3517,500122		32980K44a	EGWO	49	8239,891494	2966,071261		10	K	K44a	32980K44a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
6809,053309	4140,023874		32980K44a	STWO	49	6809,053309	3416,930889		117	K	K44a	32980K44a	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
7682,148636	3297,5201		32980K44d	EGWO	49	7682,148636	2766,641137		8	K	K44d	32980K44d	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6976,51435	4188,010575		32980K44d	STWO	49	6976,51435	3492,039979		121	K	K44d	32980K44d	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
6821,253623	3007,74689		32980K44e	EGWO	49	6821,253623	2537,170562		10	K	K44e	32980K44e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
7325,626152	4323,356926		32980K44e	STWO	48	7325,626152	3815,460339		151	K	K44e	32980K44e	STWO	42	41	-1	6	7,859.686	4,412.051	-1.55	5.9
4117,192356	3850,779003		32999F76a	STWO	5	4117,192356	4321,322398		24	F	F76a	32999F76a	STWO	7	8	1	-2	4,694.765	3,989.588	0.55	-1.7
3993,57027	3382,40354		32999F77b	STWO	23	3989,323688	2844,337516		30	F	F77b	32999F77b	STWO	16	17	1	7	4,694.765	3,567.125	0.55	5.9
3772,968358	3313,592174		32999F77d	EGWO	16	3772,968358	3172,144832		28	F	F77d	32999F77d	STWO	10	12	2	6	3,112.304	3,144.662	2.65	5.9
6558,254717	3274,728489		33022F88a	EGWO		6558,254717	3950,458545		2	F	F88a	33022F88a	EGWO					6,277.225	3,144.662		
5156,862745	3545,700388		33022F88a	STWO	27	5156,862745	2708,541037		1	F	F88a	33022F88a	STWO		22			4,694.765	3,567.125		
5531,892968	3364,377005		33022F88d	EGWO	35	5531,892968	3545,325819		55	F	F88d	33022F88d	EGWO	36	41	5	-1	6,277.225	3,567.125	4.75	-1.7
4727,304753	3251,852809		33022F88j	EGWO	24	4727,304753	3431,213793		82	F	F88j	33022F88j	EGWO	27	28	1	-3	4,694.765	3,144.662	0.55	-1.7
5802,246604	3794,947042		33022F88j	STWO	26	5802,246604	3169,957653		2	F	F88j	33022F88j	STWO	17	17	0	9	6,277.225	3,989.588	0.55	9.7
4366,852835	2978,619855		33030T98a	EGWO	25	4366,852835	3093,402455		3	T	T98a	33030T98a	EGWO	24	27	3	1	4,694.765	3,144.662	2.65	2.1
7453,19164	4355,733117		33057K45a	STWO	49	7460,918472	3503,30522		209	K	K45a	33057K45a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6671,586503	4169,13147		33073K26a	STWO	49	6671,586503	3300,039387		30	K	K26a	33073K26a	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
6877,35897	4244,056081		33081K26a	STWO	49	6877,35897	3435,164432		51	K	K26a	33081K26a	STWO	35	38	3	14	6,277.225	4,412.051	2.65	13.5
6697,498893	4172,856582		33111M30b	STWO	49	6697,498893	3393,888247		64	M	M30b	33111M30b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
4523,355165	2755,193804		33138N60c	EGWO	36	4523,355165	2741,712336		15	N	N60c	33138N60c	EGWO	33	36	3	5	4,694.765	2,722.199	2.65	5.9
4389,618109	3572,148948		33138N60c	STWO	34	4389,618109	2893,484318		26	N	N60c	33138N60c	STWO	19	18	-1	15	4,694.765	3,567.125	-1.55	13.5
6931,070825	4397,899486		33189A04e	STWO	40	6931,070825	4149,245022		30	A	A04e	33189A04e	STWO	41	36	-5	-1	6,277.225	4,412.051	-5.75	-1.7
4813,467968	3238,547404		33200F77f	EGWO	33	4813,467968	3017,899921		3	F	F77f	33200F77f	EGWO	29	33	4	4	4,694.765	3,144.662	4.75	2.1
4329,83714	3383,242217		33200F77f	STWO	22	4329,83714	2511,213787		5	F	F77f	33200F77f	STWO	14	19	5	8	4,694.765	3,567.125	4.75	9.7
5635,892988	4008,804423		33219M32a	STWO	32	5635,892988	3921,308768		127	M	M32a	33219M32a	STWO	32	28	-4	0	6,277.225	3,989.588	-3.65	-1.7
6763,804925	4252,184806		33227M31a	STWO	47	6763,804925	3577,558743		96	M	M31a	33227M31a	STWO	38	37	-1	9	6,277.225	4,412.051	-1.55	9.7
5237,376952	2727,092733		33243K90d	EGWO	49	5237,376952	2405,178134		86	K	K90d	33243K90d	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
6571,650187	4297,213103		33251E37f	STWO	48	6571,650187	3422,009877		166	E	E37f	33251E37f	STWO	37	35	-2	11	6,277.225	4,412.051	-1.55	9.7
5767,718258	3922,793776		33254M32b	STWO	44	5767,718258	3240,013432		46	M	M32b	33254M32b	STWO	34	31	-3	10	6,277.225	3,989.588	-3.65	9.7
4937,156544	3652,318597		33324K90c	STWO	28	4937,156544	3502,164865		46	K	K90c	33324K90c	STWO	31	25	-6	-3	4,694.765	3,567.125	-5.75	-1.7
10530,4625			33340K46c	EGWO		10530,4625	3641,8306		6	K	K46c	33340K46c	EGWO					11,024.607			
8166,344723	4282,130325		33340K46c	STWO	49	8166,344723	3614,055462		46	K	K46c	33340K46c	STWO					7,859.686	4,412.051		
5205,296223	3767,27247		33359E37c	STWO	44	5205,296223	2870,060667		60	E	E37c	33359E37c	STWO	31	28	-3	13	4,694.765	3,567.125	-3.65	13.5
5999,057874	3915,998376		33367E13e	STWO	43	5999,057874	3380,918301		32	E	E13e	33367E13e	STWO	39	35	-4	4	6,277.225	3,989.588	-3.65	2.1
6303,922992	3996,308505		33367E13f	STWO	49	6303,922992	3136,51031		60	E	E13f	33367E13f	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
7731,658578	3982,604049		33367E13h	EGWO		7731,658578	4245,080148		2	E	E13h	33367E13h	EGWO					7,859.686	3,989.588		
6920,634921	3909,75694		33367E13h	STWO		6920,634921	2887,662692		1	E	E13h	33367E13h	STWO					6,277.225	3,989.588		
6902,774888	3502,127562		33367E36a	EGWO	49	6963,84012	3093,435616		24	E	E36a	33367E36a	EGWO	48	49	1	1	6,277.225	3,567.125	0.55	2.1
6052,794126	3756,497187		33375E13d	STWO	40	6052,794126	2710,052209		4	E	E13d	33375E13d	STWO	36	33	-3	4	6,277.225	3,567.125	-3.65	2.1
6434,164875	3938,551591		33375E13e	STWO	49	6434,164875	3051,451632		15	E	E13e	33375E13e	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
5909,497643	4161,874509		33383E13b	STWO	30	5909,497643	3920,984993		33	E	E13b	33383E13b	STWO	32	26	-6	-2	6,277.225	3,989.588	-5.75	-1.7
6129,34191	4162,999521		33383E13c	STWO	42	6129,34191	3538,328606		123	E	E13c	33383E13c	STWO	35	32	-3	7	6,277.225	3,989.588	-3.65	5.9
6157,49385	3999,693322		33383E13d	STWO	45	6157,49385	3274,97435		162	E	E13d	33383E13d	STWO	37	34	-3	8	6,277.225	3,989.588	-3.65	9.7
6638,750967	4203,671875		33383E13e	STWO	46	6638,750967	3526,765957		51	E	E13e	33383E13e	STWO	39	36	-3	7	6,277.225	4,412.051	-3.65	5.9
7158,333333	4440,168598		33405A01g	STWO	33	7158,333333	5078,816223		2	A	A01g	33405A01g	STWO					7,859.686	4,412.051		
7607,669938	4822,840271		33421M58g	STWO	49	7607,669938	3765,874445		376	M	M58g	33421M58g	STWO	37	37	0	12	7,859.686	4,834.514	0.55	13.5
3300,627609	3106,056551		33448N68f	STWO	10	3300,627609	3004,886744		78	N	N68f	33448N68f	STWO	9	8	-1	1	3,112.304	3,144.662	-1.55	2.1
6337,097694	4178,279289		33456M28d	STWO	37	6337,097694	4403,557628		47	M	M28d	33456M28d	STWO	34	33	-1	3	6,277.225	3,989.588	-1.55	2.1
7424,980417	4284,043947		33480K48b	STWO	49	7424,980417	3422,256258		32	K	K48b	33480K48b	STWO	46	42	-4	3	7,859.686	4,412.051	-3.65	2.1
3962,981163	3654,500876		33499N69l	STWO	5	3962,981163	4073,328466		40	N	N69l	33499N69l	STWO	9	9	0	-4	4,694.765	3,567.125	0.55	-5.5
3865,921788	2297,043682		33502N61b	EGWO	46	3865,921788	2169,83		1	N	N61b	33502N61b	EGWO	40	43	3	6	3,112.304	2,299.736	2.65	5.9
4669,461004	3612,866201		33502N61b	STWO	39	4669,461004	2831,794628		17	N	N61b	33502N61b	STWO	26	22	-4	13	4,694.765	3,567.125	-3.65	13.5
5573,939409	3856,311116		33510N65b	EGWO	32	5573,939409	3785,60218		7	N	N65b	33510N65b	EGWO	28	31	3	4	6,277.225	3,989.588	2.65	2.1
8999,325768	4112,466952		33529A07c	EGWO	49	8999,325768	4448,040545		6	A	A07c	33529A07c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8097,61028	4733,771936		33529A07c	STWO	39	8097,61028	5010,411709		30	A	A07c	33529A07c	STWO	45	41	-4	-6	7,859.686	4,834.514	-3.65	-5.5
13148,14815	5413,451385		33529A07e	EGWO	49	13148,14815	5624,109725		1	A	A07e	33529A07e	EGWO	49	49	0	0	12,607.067	5,256.977	0.55	-1.7
7767,38099	4525,351886		33529A07e	STWO	41	7767,38099	4626,26402		15	A	A07e	33529A07e	STWO	46	42	-4	-5	7,859.686	4,412.051	-3.65	-5.5
6912,160691	4422,987703		33561N72a	STWO	46	6912,160691	3759,023802		121	N	N72a	33561N72a	STWO					6,277.225	4,412.051		
7180,616611	4017,3519		33588K44d	EGWO	49	7180,616611	3613,588849		9	K	K44d	33588K44d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7000	4001,683911		33596A00e	EGWO	36	7000	4759,7418		1	A	A00e	33596A00e	EGWO	44	46	2	-8	6,277.225	3,989.588	2.65	-9.3
7476,113588	4458,800334		33596A00e	STWO	29	7476,113588	5483,741754		19	A	A00e	33596A00e	STWO	40	36	-4	-11	7,859.686	4,412.051	-3.65	-9.3
3207,68484	3060,432293		33618N66f	STWO	8	3207,68484	2979,516694		80	N	N66f	33618N66f	STWO	7	7	0	1	3,112.304	3,144.662	0.55	2.1
6229,6875			33626A08b	EGWO	38	6229,6875	3393,9509		2	A	A08b	33626A08b	EGWO					6,277.225			
7577,954364	4413,923865		33626A08b	STWO	43	7577,954364	4381,44456		64	A	A08b	33626A08b	STWO	43	41	-2	0	7,859.686	4,412.051	-1.55	-1.7
7422,096455	4464,350773		33901K48c	STWO	49	7422,096455	3728,644851		131	K	K48c	33901K48c	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
5049,315751	3717,792314		33928N61b	STWO	37	5075,159188	3206,266935		78	N	N61b	33928N61b	STWO	27	26	-1	10	4,694.765	3,567.125	-1.55	9.7
7443,61603	4452,171986		33936A01f	STWO	36	7443,61603	4718,689085		2	A	A01f	33936A01f	STWO	43	39	-4	-7	7,859.686	4,412.051	-3.65	-5.5
6837,462293	4273,489594		33936A01g	STWO	33	7220,776772	4234,67985		2	A	A01g	33936A01g	STWO		38			6,277.225	4,412.051		
6794,796835	4094,982588		33936A01h	STWO	38	6794,796835	3710,990431		10	A	A01h	33936A01h	STWO	43	38	-5	-5	6,277.225	3,989.588	-5.75	-5.5
6815,142113	4484,378186		33944A01b	STWO	31	6815,142113	5200,191126		61	A	A01b	33944A01b	STWO	41	37	-4	-10	6,277.225	4,412.051	-3.65	-9.3
6536,523293	3690,073519		33944A01d	EGWO	26	6685,732368	4554,311627		9	A	A01d	33944A01d	EGWO	39	41	2	-13	6,277.225	3,567.125	2.65	-13.1
6904,220344	4406,386575		33944A01d	STWO	30	6904,220344	4802,852572		163	A	A01d	33944A01d	STWO	40	35	-5	-10	6,277.225	4,412.051	-5.75	-9.3
6318,130755	4181,592456		33944A01f	EGWO	38	7348,73913	4815,767079		2	A	A01f	33944A01f	EGWO	47	49	2	-9	6,277.225	3,989.588	2.65	-9.3
6990,990378	4434,373471		33944A01f	STWO	35	6990,990378	4618,714283		147	A	A01f	33944A01f	STWO	42	37	-5	-7	6,277.225	4,412.051	-5.75	-5.5
7382,024341	4560,091964		33960A00e	STWO	34	7382,024341	5039,828166		8	A	A00e	33960A00e	STWO	41	39	-2	-7	7,859.686	4,412.051	-1.55	-5.5
5796,215294	4086,291308		33979A00b	STWO	27	5711,886144	4397,310492		16	A	A00b	33979A00b	STWO	34	29	-5	-7	6,277.225	3,989.588	-5.75	-5.5
5616,86166	4079,661503		33987A00b	STWO	22	5616,86166	4532,572674		23	A	A00b	33987A00b	STWO	34	27	-7	-12	6,277.225	3,989.588	-7.85	-13.1
6106,028023	4027,75599		33995A04e	STWO	39	6106,028023	3593,694711		18	A	A04e	33995A04e	STWO	34	34	0	5	6,277.225	3,989.588	0.55	5.9
8604,166667			33995A04h	EGWO	42	8604,166667			1	A	A04h	33995A04h	EGWO	48	49	1	-6	7,859.686		0.55	-5.5
6225,907913	4089,253682		33995A04h	STWO	45	6225,907913	3421,429228		42	A	A04h	33995A04h	STWO	37	35	-2	8	6,277.225	3,989.588	-1.55	9.7
6751,77305	4057,889719		34002A00d	STWO	37	6751,77305	3616,568083		1	A	A00d	34002A00d	STWO	43	39	-4	-6	6,277.225	3,989.588	-3.65	-5.5
8563,157895	4469,474264		34010A01e	EGWO	33	8563,157895	4177,04468		3	A	A01e	34010A01e	EGWO	42	44	2	-9	7,859.686	4,412.051	2.65	-9.3
6000	4183,006666		34010A01e	STWO	32	6000	3848,5379		1	A	A01e	34010A01e	STWO	40	36	-4	-8	6,277.225	3,989.588	-3.65	-9.3
7411,764706	4012,885346		34029A01c	EGWO		7411,764706	4840,2961		3	A	A01c	34029A01c	EGWO	39				7,859.686	3,989.588		
7154,208619	4479,531891		34029A01c	STWO	33	7154,208619	5015,744067		5	A	A01c	34029A01c	STWO	39	34	-5	-6	7,859.686	4,412.051	-5.75	-5.5
5888,297872	3126,083686		34037A01c	EGWO		5888,297872	3936,7601		1	A	A01c	34037A01c	EGWO	39				6,277.225	3,144.662		
6688,949819	4195,887267		34037A01c	STWO	38	6688,949819	3714,852739		46	A	A01c	34037A01c	STWO	41	37	-4	-3	6,277.225	3,989.588	-3.65	-1.7
5417,647059	3116,803475		34045A00b	EGWO	30	5417,647059	4038,7229		1	A	A00b	34045A00b	EGWO	39	41	2	-9	4,694.765	3,144.662	2.65	-9.3
6020,291649	4147,557343		34045A00b	STWO	22	6020,291649	4704,0672		9	A	A00b	34045A00b	STWO	35	31	-4	-13	6,277.225	3,989.588	-3.65	-13.1
6905,263158	3947,107246		34053A03f	EGWO		6905,263158	4725,2222		1	A	A03f	34053A03f	EGWO					6,277.225	3,989.588		
7034,947654	4325,36857		34053A03f	STWO	31	7034,947654	4872,409174		11	A	A03f	34053A03f	STWO	41	37	-4	-10	6,277.225	4,412.051	-3.65	-9.3
7404,857563	4638,134818		34061A01g	STWO	30	7404,857563	5215,771193		22	A	A01g	34061A01g	STWO	41	37	-4	-11	7,859.686	4,834.514	-3.65	-9.3
6296,150643	3561,183933		34088A01c	EGWO	30	6296,150643	4106,651283		7	A	A01c	34088A01c	EGWO	41	43	2	11	6,277.225	3,567.125	2.65	9.3
6686,819839	4293,735993		34088A01e	STWO	37	6686,819839	4197,423764		40	A	A01e	34088A01e	STWO	39	36	-3	-2	6,277.225	4,412.051	-3.65	-1.7
6604,166667	3873,425597		34096A00a	EGWO	32	6604,166667	4713,6971		1	A	A00a	34096A00a	EGWO	43	45	2	-11	6,277.225	3,989.588	2.65	-9.3
7080,385433	4483,601895		34096A00a	STWO	29	7080,385433	4911,246962		6	A	A00a	34096A00a	STWO	38	35	-3	-9	7,859.686	4,412.051	-3.65	-9.3
7087,206126	4652,605296		34118A00a	STWO	25	7087,206126	5415,364401		19	A	A00a	34118A00a	STWO	37	34	-3	-12	7,859.686	4,834.514	-3.65	-13.1
6541,848384	4004,693149		34126A00d	STWO	42	6541,848384	3354,212136		8	A	A00d	34126A00d	STWO	43	39	-4	-1	6,277.225	3,989.588	-3.65	-1.7
6664	3668,504623		34142A00d	EGWO	34	6664	4475,272593		1	A	A00d	34142A00d	EGWO	44	46	2	-10	6,277.225	3,567.125	2.65	-9.3
7446,768611	4494,504374		34142A00d	STWO	34	7446,768611	4904,200876		14	A	A00d	34142A00d	STWO	42	39	-3	-8	7,859.686	4,412.051	-3.65	-9.3
7806,930544	4615,79964		34169K25a	STWO	49	7806,930544	3667,9834		7	K	K25a	34169K25a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7114,170003	4287,043334		34177K25a	STWO	49	7114,170003	3480,962401		101	K	K25a	34177K25a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7876,701987	4475,154273		34177K25b	STWO	49	7876,701987	3798,814027		110	K	K25b	34177K25b	STWO	44	43	-1	5	7,859.686	4,412.051	-1.55	5.9
7649,620942	4366,709617		34185A04h	STWO	43	7649,620942	4380,738593		14	A	A04h	34185A04h	STWO	45	43	-2	-2	7,859.686	4,412.051	-1.55	-1.7
6162,5			34193F86c	EGWO		6162,5			1	F	F86c	34193F86c	EGWO					6,277.225			

4626,761183	3679,804556	[redacted]	34193F86c	STWO	25	4626,761183	3440,354089	[redacted]	360	F	F86c	34193F86c	STWO	21	20	-1	4	4,694.765	3,567.125	-1.55	2.1
7126,868687	3768,604936		34207A04h	EGWO	42	7126,868687	4448,3416		2	A	A04h	34207A04h	EGWO	48	49	1	-6	7,859.686	3,567.125	0.55	-5.5
7431,323008	4536,411769		34207A04h	STWO	35	7431,323008	4872,563765		33	A	A04h	34207A04h	STWO	42	39	-3	-7	7,859.686	4,412.051	-3.65	-5.5
7457,330546	4084,576676		34215E22a	STWO	49	7519,761498	3379,752229		45	E	E22a	34215E22a	STWO	49	44	-5	0	7,859.686	3,989.588	-5.75	-1.7
6114,285714			34215K24a	EGWO	46	6114,285714	3116,8276		1	K	K24a	34215K24a	EGWO	49	49	0	-3	6,277.225		0.55	-1.7
7283,065425	4221,660684		34215K24a	STWO	49	7283,065425	3064,139613		79	K	K24a	34215K24a	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
7489,640074	4325,176219		34215K24b	STWO	49	7489,640074	3218,987122		93	K	K24b	34215K24b	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
6886,694678	3268,595231		34215K24c	EGWO	48	6886,694678	3837,661892		3	K	K24c	34215K24c	EGWO					6,277.225	3,144.662		
7470,069801	4259,263441		34215K24c	STWO	49	7470,069801	3194,646736		76	K	K24c	34215K24c	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
7328,825956	3950,223457		34215K24e	STWO	49	7328,825956	2652,127733		28	K	K24e	34215K24e	STWO	43	40	-3	6	7,859.686	3,989.588	-3.65	5.9
8745,945946	3674,22426		34215K47b	EGWO	49	8745,945946	3646,9542		2	K	K47b	34215K47b	EGWO					9,442.146	3,567.125		
5486,213122	4431,359919		34215K47b	STWO	49	5486,213122	3228,406172		6	K	K47b	34215K47b	STWO		46			6,277.225	4,412.051		
8971,329934	3398,524892		34258K48f	EGWO	49	8971,329934	2503,559008		12	K	K48f	34258K48f	EGWO		49			9,442.146	3,567.125		
7202,066226	4147,974927		34258K48f	STWO	49	7202,066226	3246,296126		171	K	K48f	34258K48f	STWO	46	42	-4	3	7,859.686	3,989.588	-3.65	2.1
7787,88849	4143,039957		34258K49f	STWO	49	7787,88849	2783,784298		162	K	K49f	34258K49f	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
12218,75			34266K48d	EGWO		12218,75	4055,584519		2	K	K48d	34266K48d	EGWO					12,607.067			
7469,593077	4268,377727		34266K48d	STWO	43	7469,593077	4260,410896		100	K	K48d	34266K48d	STWO	47	43	-4	-4	7,859.686	4,412.051	-3.65	-5.5
6767,657413	4048,813858		34266K48f	STWO	49	6767,657413	3073,86238		95	K	K48f	34266K48f	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
6784,067489	4293,87676		34282K48c	STWO	48	6784,067489	3527,668586		50	K	K48c	34282K48c	STWO	40	37	-3	8	6,277.225	4,412.051	-3.65	9.7
6406,711051	4020,737518		34282K48f	STWO	49	6406,711051	3168,191742		96	K	K48f	34282K48f	STWO	41	37	-4	8	6,277.225	3,989.588	-3.65	9.7
11160,15678			34282K49a	EGWO	49	11160,15678	3212,909322		9	K	K49a	34282K49a	EGWO		49			11,024.607			
6736,590581	3977,584444		34282K49a	STWO	49	6736,590581	2499,307367		3	K	K49a	34282K49a	STWO	48	45	-3	1	6,277.225	3,989.588	-3.65	2.1
8991,398637	3496,520836		34282K49b	EGWO	49	8991,398637	2445,235378		24	K	K49b	34282K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7115,026204	4009,638533		34282K49b	STWO	49	7115,026204	2698,057405		22	K	K49b	34282K49b	STWO	46	44	-2	3	7,859.686	3,989.588	-1.55	2.1
6928,661672	3973,736273		34282K49e	STWO	49	6928,661672	2637,55727		133	K	K49e	34282K49e	STWO	47	43	-4	2	6,277.225	3,989.588	-3.65	2.1
6988,41842	3955,990695		34282K49f	STWO	49	6988,41842	2584,814427		103	K	K49f	34282K49f	STWO	47	43	-4	2	6,277.225	3,989.588	-3.65	2.1
3257,126769	3080,71418		34320N66f	STWO	9	3257,126769	2586,772167		80	N	N66f	34320N66f	STWO	7	7	0	2	3,112.304	3,144.662	0.55	2.1
7054,279017	4262,930644		34339E21a	STWO	49	7054,279017	3366,199206		118	E	E21a	34339E21a	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
7209,235751	4293,378947		34347E21a	STWO	49	7209,235751	3567,876983		172	E	E21a	34347E21a	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
4257,478632	2591,997779		34398N70a	EGWO	44	4257,478632	2373,58		16	N	N70a	34398N70a	EGWO	38	39	1	6	4,694.765	2,722.199	0.55	5.9
4955,323027	2760,679984		34398N70b	EGWO	49	4955,323027	2554,231392		16	N	N70b	34398N70b	EGWO	40	44	4	9	4,694.765	2,722.199	4.75	9.7
4066,282165	3442,660627		34398N70b	STWO	23	4066,282165	3375,480696		137	N	N70b	34398N70b	STWO	17	16	-1	6	4,694.765	3,567.125	-1.55	5.9
5022,975289	3645,104858		34452N65b	EGWO	31	5022,975289	3473,981516		8	N	N65b	34452N65b	EGWO	24	27	3	7	4,694.765	3,567.125	2.65	5.9
6755,429579	4355,293942		34460A00d	STWO	33	6755,429579	4571,008336		5	A	A00d	34460A00d	STWO	40	36	-4	-7	6,277.225	4,412.051	-3.65	-5.5
5034,656684	3492,49971		34479N66c	EGWO	26	5034,656684	4053,291429		7	N	N66c	34479N66c	EGWO	30	30	0	-4	4,694.765	3,567.125	0.55	-5.5
4721,190399	2904,237711		34487N67a	EGWO	39	4721,190399	2801,442965		25	N	N67a	34487N67a	EGWO	35	38	3	4	4,694.765	2,722.199	2.65	2.1
4427,944537	3611,561761		34487N67a	STWO	31	4427,944537	3010,230083		52	N	N67a	34487N67a	STWO	18	18	0	13	4,694.765	3,567.125	0.55	13.5
6450,281999	2949,818296		34495M55b	EGWO	49	6450,281999	2509,985299		4	M	M55b	34495M55b	EGWO	47	49	2	2	6,277.225	3,144.662	2.65	2.1
6168,034135	3690,10415		34495M55b	STWO	43	6168,034135	3175,193493		154	M	M55b	34495M55b	STWO	36	35	-1	7	6,277.225	3,567.125	-1.55	5.9
5033,5341	3759,908588		34509K91b	STWO	30	5033,5341	3514,80105		37	K	K91b	34509K91b	STWO	30	25	-5	0	4,694.765	3,567.125	-5.75	-1.7
5086,415987	3718,229084		34517N65b	EGWO	30	5086,415987	3556,384037		16	N	N65b	34517N65b	EGWO	24	27	3	6	4,694.765	3,567.125	2.65	5.9
7218,356943	3263,424963		34541K52g	EGWO	49	7218,356943	2772,849067		32	K	K52g	34541K52g	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6623,188406	4297,642513		34541K52g	STWO	33	6623,188406	4447,857523		24	K	K52g	34541K52g	STWO	36	35	-1	-3	6,277.225	4,412.051	-1.55	-1.7
3931,897094	2808,912117		34576N65a	EGWO	27	3931,897094	2862,0776		25	N	N65a	34576N65a	EGWO	20	29	9	7	4,694.765	2,722.199	8.95	5.9
4756,555944	3876,208131		34576N65a	STWO	17	4756,555944	3415,778539		4	N	N65a	34576N65a	STWO		11			4,694.765	3,989.588		
7246,690913	4336,016873		34592K44c	STWO	49	7246,690913	3470,291677		235	K	K44c	34592K44c	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6553,904791	4323,787762		34614A00c	STWO	25	6553,904791	4950,468882		15	A	A00c	34614A00c	STWO	36	32	-4	-11	6,277.225	4,412.051	-3.65	-9.3
6419,854404	3948,215253		34622N67a	EGWO	35	6419,854404	3998,731834		78	N	N67a	34622N67a	EGWO	33	38	5	2	6,277.225	3,989.588	4.75	2.1
5800			34622N67a	STWO	32	5800	3708		1	N	N67a	34622N67a	STWO	19	18	-1	13	6,277.225		-1.55	13.5
6157,142857	4501,185355		34649A00a	STWO	30	6157,142857	5472,4682		4	A	A00a	34649A00a	STWO	38	35	-3	-8	6,277.225	4,412.051	-3.65	-9.3
6853,255904	4386,04299		34649A00c	STWO	27	6853,255904	5026,327001		8	A	A00c	34649A00c	STWO	39	35	-4	-12	6,277.225	4,412.051	-3.65	-13.1
3616,142854	3301,866726		34673F78c	STWO	11	3616,142854	3226,904107		76	F	F78c	34673F78c	STWO	13	9	-4	-2	3,112.304	3,144.662	-3.65	-1.7
8114,991353	4864,134282		34703A01b	STWO	28	8114,991353	5812,067019		23	A	A01b	34703A01b	STWO	43	39	-4	-15	7,859.686	4,834.514	-3.65	-13.1
7574,155488	4451,655795		34711E43a	STWO	49	7574,155488	3709,94997		202	E	E43a	34711E43a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7330,147444	3917,941661		34746A01e	EGWO	33	7330,147444	4840,2961		3	A	A01e	34746A01e	EGWO	42	44	2	-9	7,859.686	3,989.588	2.65	-9.3
7376,064453	4647,425301		34746A01e	STWO	34	7376,064453	4782,901425		9	A	A01e	34746A01e	STWO	40	36	-4	-6	7,859.686	4,834.514	-3.65	-5.5
6050,361982	3905,979954		34754M33c	STWO	35	6050,361982	3989,54134		562	M	M33c	34754M33c	STWO	38	36	-2	-3	6,277.225	3,989.588	-1.55	-1.7
6054,483358	3906,221623		34762M32b	STWO	40	6054,483358	3627,487553		143	M	M32b	34762M32b	STWO	34	36	2	6	6,277.225	3,989.588	2.65	5.9
6548,651137	4166,635787		34770M31a	STWO	46	6548,651137	3453,796804		30	M	M31a	34770M31a	STWO	38	35	-3	8	6,277.225	3,989.588	-3.65	9.7
6216,426152	4011,054775		34770M31b	STWO	41	6216,426152	3366,611362		86	M	M31b	34770M31b	STWO	37	34	-3	4	6,277.225	3,989.588	-3.65	2.1
5484,668192	3855,449794		34770M31c	STWO	38	5484,668192	3425,724335		259	M	M31c	34770M31c	STWO	32	29	-3	6	4,694.765	3,989.588	-3.65	5.9
6320,637803	4192,628911		34770M32b	STWO	35	6320,637803	4136,301565		86	M	M32b	34770M32b	STWO	34	33	-1	1	6,277.225	3,989.588	-1.55	2.1
6200,334873	3833,341872		34800E43a	STWO	49	6200,334873	2727,897442		24	E	E43a	34800E43a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
7050,358392	4091,420892		34800E43b	STWO	49	7050,358392	3096,086875		75	E	E43b	34800E43b	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
6789,796973	4193,333579		34800K44a	STWO	39	6789,796973	5060,223877		202	K	K44a	34800K44a	STWO	41	39	-2	-2	6,277.225	3,989.588	-1.55	-1.7
5666,13814	3902,040049		34800K44b	STWO	47	5666,13814	3673,896084		47	K	K44b	34800K44b	STWO	37	35	-2	10	6,277.225	3,989.588	-1.55	9.7
5946,055591	3833,863094		34819E43a	STWO	49	5946,055591	2883,770128		23	E	E43a	34819E43a	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
4390,65167	2581,379653		34827F86b	EGWO	46	4390,65167	2309,75375		8	F	F86b	34827F86b	EGWO	38	40	2	8	4,694.765	2,722.199	2.65	9.7
5724,194113	3693,487642		34827F86b	STWO	34	5724,194113	3771,140241		49	F	F86b	34827F86b	STWO		23			6,277.225	3,567.125		
6768,482397	4141,09707		34843M27a	STWO	49	6768,482397	3291,92906		219	M	M27a	34843M27a	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
7311,222798	3841,18733		34886N73h	EGWO	45	7311,222798	3416,14158		6	N	N73h	34886N73h	EGWO	43	45	2	2	7,859.686	3,989.588	2.65	2.1
5576,791809			34894N73h	EGWO	45	5576,791809			1	N	N73h	34894N73h	EGWO	43	45	2	2	6,277.225		2.65	2.1
6685,483455	4160,48013		34924A01g	STWO	33	6685,483455	4392,159343		14	A	A01g	34924A01g	STWO	38	34	-4	-5	6,277.225	3,989.588	-3.65	-5.5
6971,160189	4190,688865		34959K26b	STWO	49	6971,160189	3360,4887		22	K	K26b	34959K26b	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
6267,331117	4073,584382		34975E13b	STWO	32	6388,426813	3267,07278		22	E	E13b	34975E13b	STWO	39	35	-4	-7	6,277.225	3,989.588	-3.65	-5.5
5362,637363	3045,962093		34991A01b	EGWO	24	5362,637363	3969,5927		1	A	A01b	34991A01b	EGWO	38	43	5	-14	4,694.765	3,144.662	4.75	-13.1
7539,172576	4727,483826		34991A01b	STWO	29	7539,172576	5386,00787		7	A	A01b	34991A01b	STWO	41	37	-4	-12	7,859.686	4,834.514	-3.65	-13.1
4180,726911	3411,722099		35017K90c	STWO	26	4180,726911	3164,532174		47	K	K90c	35017K90c	STWO	26	19	-7	0	4,694.765	3,567.125	-7.85	-1.7
3939,219764	2795,074313		35033N65a	EGWO	27	3939,219764	2863,966667		15	N	N65a	35033N65a	EGWO	21	29	8	6	4,694.765	2,722.199	8.95	5.9
4340,909091	3809,646266		35033N65a	STWO	17	4340,909091	3388,155281		2	N	N65a	35033N65a	STWO		11			4,694.765	3,989.588		
6857,093157	4311,347911		35041E18b	STWO	47	6857,093157	3621,584881		196	E	E18b	35041E18b	STWO	39	37	-2	8	6,277.225	4,412.051	-1.55	9.7
6051,27171	4129,306811		35041E19b	STWO	31	6051,27171	4453,645522		41	E	E19b	35041E19b	STWO	29	30	1	2	6,277.225	3,989.588	0.55	2.1
7626,424996	4030,417306		35068K47a	STWO	49	7626,424996	2374,438055		9	K	K47a	35068K47a	STWO		46			7,859.686	3,989.588		
5423,514759	3916,858845		35076K90c	STWO	26	5423,514759	4029,426		47	K	K90c	35076K90c	STWO	29	26	-3	-3	4,694.765	3,989.588	-3.65	-1.7
6992,358964	4095,210168		35092E17a	STWO	49	6992,358964	3471,586478		69	E	E17a	35092E17a	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
4734,23447	3680,431356		35106K90c	STWO	23	4734,23447	3689,8825		36	K	K90c	35106K90c	STWO	26	22	-4	-3	4,694.765	3,567.125	-3.65	-1.7
7474,166993	3907,95565		35130N73h	EGWO	45	7474,166993	4076,317239		5	N	N73h	35130N73h	EGWO	43	45	2	2	7,859.686	3,989.588	2.65	2.1
5649,678217	3936,19439		35149M32a	STWO	42	5649,678217	3240,648254		66	M	M32a	35149M32a	STWO	32	30	-2	10	6,277.225	3,989.588	-1.55	9.7
3910,289714	2635,924721		35157F83a	EGWO	31	3910,289714	2692,69271		18	F	F83a	35157F83a	EGWO	30	33	3	1	4,694.765	2,722.199	2.65	2.1
5620,422602	3485,978228		35165N63a	EGWO	41	5620,422602	3298,830028		15	N	N63a	35165N63a	EGWO	34	38	4	7	6,277.225	3,567.125	4.75	5.9
8378,047262	4387,61691		35173E22a	STWO	49	8411,047606	3142,42091		30	E	E22a	35173E22a	STWO	49	48	-1	0	7,859.686	4,412.051	-1.55	-1.7
5540,740741	3481,06404		35181N63a	EGWO	39	5540,740741	3356,301948		9	N	N63a	35181N63a	EGWO	35	37	2	4	6,277.225	3,567.125	2.65	2.1
5557,656375	3386,325531		35203N63a	EGWO	41	5557,656375	3254,538962		47	N	N63a	35203N63a	EGWO	37	39	2	4	6,277.225	3,567.125	2.65	2.1
5576,871707	3200,510639		35246F89a	EGWO	41	5576,871707	3631,55235		4	F	F89a	35246F89a	EGWO	33	38	5	8	6,277.225	3,144.662	4.75	9.7
5227,25134	3649,920172		35270F86b	STWO	33	5241,040681	3461,098497		89	F	F86b	35270F86b	STWO		23			4,694.765	3,567.125		
4073,044856	3845,230155		35297F76b	STWO	7	4073,044856	4371,854872		24	F	F76b	35297F76b	STWO	7	8	1	0	4,694.765	3,989.588	0.55	-1.7
4470,510309	3037,691932		35300F89b	EGWO	31	4470,510309	3077,321662		46	F	F89b	35300F89b	EGWO	29	32	3	2	4,694.765	3,144.662	2.65	2.1
4590,163642	3802,893754		35300F89b	STWO	14	4590,163642	4258,185629		96	F	F89b	35300F89b	STWO	18	14	-4	-4	4,694.765	3,989.588	-3.65	-5.5
7246,855832	4200,256207		35319K44a	STWO	44	7246,855832	3255,354722		4	K	K44a	35319K44a	STWO	41	39	-2	3	7,859.686	3,989.588	-1.55	2.1
7380,964542	4379,87026		35319K44b	STWO	49	7380,964542	3557,293418		122	K	K44b	35319K44b	STWO	42	41	-1	7	7,859.686	4,412.051	-1.55	5.9
6733,555963	4171,267156		35319K44e	STWO	48	6733,555963	3448,977088		42	K	K44e	35319K44e	STWO	42	37	-5	6	6,277.225	3,989.588	-5.75	5.9
6189,187427	4141,6831		35327E38c	STWO	48	6189,187427	3206,904128		65	E	E38c	35327E38c	STWO	35	33	-2	13	6,277.225	3,989.588	-1.55	13.5
6397,658797	4158,861548		35335K26c	STWO	46	6397,658797	3418,816163		33	K	K26c	35335K26c	STWO	43	35	-8	3	6,277.225	3,989.588	7.85	2.1
6362,099279	4114,723408		35343K26c	STWO	47	6362,099279	3343,516585		33	K	K26c	35343K26c	STWO	42	35	-7	5	6,277.225	3,989.588	-7.85	5.9
8170,594249	4648,264361		35351K48b	STWO	49	8170,594249	3987,212355		48	K	K48b	35351K48b	STWO	46	43	-3	3	7,859.686	4,834.514	-3.65	2.1
5151,661179	3194,611939		35386F77f	EGWO	31	5151,661179	3467,918049		37	F	F77f	35386F77f	EGWO	25	28	3	6	4,694.765	3,144.662	2.65	5.9
4090,901407	2824,087818		35394F77f	EGWO	29	4090,901407	2916,312664		20	F	F77f	35394F77f	EGWO	27	31	4	2	4,694.765	2,722.199	4.75	2.1
7926,564528	4583,387904		35416A03c	STWO	45	7926,564528	4403,4154		19	A	A03c	35416A03c	STWO	45	43	-2	0	7,859.686	4,412.051	-1.55	-1.7
8004,006971	4715,29942		35416A03e	STWO	40	8004,006971	5005,52045		7	A	A03e	35416A03e	STWO	43	41	-2	-3	7,859.686	4,834.514	-1.55	-1.7
4819,178966	3738,8957		35432F86b	STWO	28	4819,178966	3574,619786		88	F	F86b	35432F86b	STWO	25	24	-1	3	4,694.765	3,567.125	-1.55	2.1
7809,068133	3774,008423		35440A06k	EGWO	48	7809,068133	3981,740032		21	A	A06k	35440A06k	EGWO	49	49	0	-1	7,859.686	3,567.125	0.55	-1.7
8052,237717	4894,91337		35440A06k	STWO	39	8052,237717	4892,466614		26	A	A06k	35440A06k	STWO	44	41	-3	-5	7,859.686	4,834.514	-3.65	-5.5
5637,565308	3837,864241		35459M32b	STWO	40	5637,565308	3100,832165		62	M	M32b	35459M32b	STWO	33	32	-1	7	6,277.225	3,989.588	-1.55	5.9
5730,769231	3718,572435		35467N63a	EGWO	38	5730,769231	3570,085981		8	N	N63a	35467N63a	EGWO	31	35	4	7	6,277.225	3,567.125	4.75	5.9
5998,463619	3992,192415		35475E38c	STWO	49	5998,463619	2993,810096		25	E	E38c	35475E38c	STWO	35	33	-2	14	6,277.225	3,989.588	-1.55	13.5

6839,301025	4350,594286	[redacted]	35483M28a	STWO	47	6839,496192	3592,078399	[redacted]	205	M	M28a	35483M28a	STWO	37	36	-1	10	6,277.225	4,412.051	-1.55	9.7
6468,69548	4068,471878		35491M31a	STWO	42	6483,828787	3746,365827		55	M	M31a	35491M31a	STWO	40	37	-3	2	6,277.225	3,989.588	-3.65	2.1
6869,621183	4281,869425		35505M31a	STWO	49	6869,621183	3527,503656		15	M	M31a	35505M31a	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
7458,298671	4046,89614		35513K49e	STWO	49	7458,298671	2600,030854		61	K	K49e	35513K49e	STWO	49	46	-3	0	7,859.686	3,989.588	-3.65	-1.7
9632,206222	3642,527173		35521K49d	EGWO	49	9632,206222	2400,582671		7	K	K49d	35521K49d	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7082,927386	4036,966399		35521K49d	STWO	49	7082,927386	2571,726229		65	K	K49d	35521K49d	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
3235,125054	3067,999118		35556N66f	STWO	8	3235,125054	2983,10191		77	N	N66f	35556N66f	STWO	7	7	0	1	3,112.304	3,144.662	0.55	2.1
6099,638344	3909,535104		35564E37d	STWO	49	6099,638344	2847,827213		34	E	E37d	35564E37d	STWO	39	36	-3	10	6,277.225	3,989.588	-3.65	9.7
2078,82901			35572K90e	EGWO		2078,82901	3346,135		8	K	K90e	35572K90e	EGWO					1,529.844			
3357,838983	2449,857841		35602F77c	EGWO	30	3357,838983	2495,980625		16	F	F77c	35602F77c	EGWO	24	31	7	6	3,112.304	2,299.736	6.85	5.9
7165,871696	4325,870626		35610E18a	STWO	49	7165,871696	3497,849295		18	E	E18a	35610E18a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
7534,619082	4343,118896		35629K25b	STWO	49	7534,619082	3422,703558		18	K	K25b	35629K25b	STWO	45	42	-3	4	7,859.686	4,412.051	-3.65	2.1
5707,692308	2661,50047		35629K26b	EGWO		5707,692308	2400,1169		1	K	K26b	35629K26b	EGWO					6,277.225	2,722.199		
6920,236511	4193,889285		35629K26b	STWO	49	6920,236511	3311,006839		15	K	K26b	35629K26b	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
6858,257784	4145,640534		35645E18b	STWO	43	6858,257784	3977,412658		132	E	E18b	35645E18b	STWO	41	39	-2	2	6,277.225	3,989.588	-1.55	2.1
6069,764229	4125,329754		35645E19b	STWO	31	6069,764229	4376,263217		26	E	E19b	35645E19b	STWO	31	31	0	0	6,277.225	3,989.588	0.55	-1.7
7596,517179	4339,549099		35661K25a	STWO	49	7596,517179	3571,789069		91	K	K25a	35661K25a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7930,347336	4454,438349		35661K25b	STWO	49	7930,347336	3727,785607		54	K	K25b	35661K25b	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1
6897,077898	4333,755569		35661K26a	STWO	49	6897,077898	3527,713168		104	K	K26a	35661K26a	STWO	40	37	-3	9	6,277.225	4,412.051	-3.65	9.7
7147,921418	4253,715158		35661K26b	STWO	49	7163,484875	3575,061179		133	K	K26b	35661K26b	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
4362,341772	3006,127185		35688N65c	EGWO	31	4362,341772	3004,01095		16	N	N65c	35688N65c	EGWO	29	31	2	2	4,694.765	3,144.662	2.65	2.1
4836,956522	3507,223375		35696M31c	STWO	33	4836,956522	2599,4542		1	M	M31c	35696M31c	STWO	30	27	-3	3	4,694.765	3,567.125	-3.65	2.1
4960,152754	3965,937141		35718K91c	STWO	24	4960,152754	4246,160514		47	K	K91c	35718K91c	STWO	27	20	-7	-3	4,694.765	3,989.588	-7.85	-1.7
4446,766169	2541,044563		35734F78b	EGWO	38	4446,766169	2426,115658		10	F	F78b	35734F78b	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
3736,842105	3217,233019		35734F78b	STWO	39	3736,842105	2153,509841		1	F	F78b	35734F78b	STWO	20	14	-6	19	3,112.304	3,144.662	-5.75	17.3
3250,627535	3084,762378		35750N66f	STWO	8	3250,627535	3015,385062		80	N	N66f	35750N66f	STWO	7	7	0	1	3,112.304	3,144.662	0.55	2.1
6410,526316	3844,732071		35769A01d	EGWO	30	6410,526316	4725,2222		1	A	A01d	35769A01d	EGWO	43	44	1	-13	6,277.225	3,989.588	0.55	-13.1
6700,568182	4285,00339		35769A01d	STWO	30	6700,568182	4688,9461		6	A	A01d	35769A01d	STWO	41	36	-5	-11	6,277.225	4,412.051	-5.75	-9.3
6118,418257	3414,227052		35777N73h	EGWO	45	6118,418257	3133,011434		11	N	N73h	35777N73h	EGWO	43	44	1	2	6,277.225	3,567.125	0.55	2.1
6125	3914,144319		35807E41b	STWO	49	6125	2782,84		4	E	E41b	35807E41b	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
5772,404886	2872,644581		35815M55g	EGWO	49	5772,404886	2608,35964		6	M	M55g	35815M55g	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6478,980988	4045,09987		35815M55g	STWO	49	6478,980988	3165,272848		20	M	M55g	35815M55g	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
5335,574953	3859,788233		35823F89a	STWO	22	5335,574953	4384,682798		16	F	F89a	35823F89a	STWO	23	23	0	-1	4,694.765	3,989.588	0.55	-1.7
6084,615385	2858,942777		35858M30a	EGWO	49	6084,615385	2647,943531		1	M	M30a	35858M30a	EGWO	45	46	1	4	6,277.225	2,722.199	0.55	2.1
6440,855674	4093,705566		35858M30a	STWO	48	6440,855674	3317,618333		66	M	M30a	35858M30a	STWO	37	36	-1	11	6,277.225	3,989.588	-1.55	9.7
5852,474239	2804,194593		35858M30b	EGWO	49	6245,806507	2741,992225		16	M	M30b	35858M30b	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6913,958148	4106,671813		35858M30b	STWO	49	6913,958148	3271,656445		86	M	M30b	35858M30b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
6764,68177	4229,702316		35874M30b	STWO	49	6764,68177	3443,096234		262	M	M30b	35874M30b	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
8317,647059	4361,012192		35882A02c	EGWO	49	8317,647059	4840,2961		1	A	A02c	35882A02c	EGWO	49	49	0	0	7,859.686	4,412.051	0.55	-1.7
3831,22807	3592,71345		35890N70a	STWO	6	3831,22807	3835,848365		48	N	N70a	35890N70a	STWO	7	8	1	-1	3,112.304	3,567.125	0.55	-1.7
4139,704507	2601,849654		35920F78a	EGWO	38	4139,704507	2586,085563		9	F	F78a	35920F78a	EGWO	35	37	2	3	4,694.765	2,722.199	2.65	2.1
3751,825397	3343,074259		35920F78a	STWO	9	3751,825397	3399,355333		30	F	F78a	35920F78a	STWO	11	11	0	-2	3,112.304	3,144.662	0.55	-1.7
3315,789097	2228,988138		35920F78b	EGWO	33	3315,789097	2231,08375		8	F	F78b	35920F78b	EGWO	29	33	4	4	3,112.304	2,299.736	4.75	2.1
4838,345288	3671,061652		35920F78b	STWO	30	4838,345288	3338,227807		49	F	F78b	35920F78b	STWO	21	24	3	9	4,694.765	3,567.125	2.65	9.7
6623,572143	3958,548736		35939K52d	STWO	49	6623,572143	2833,320379		29	K	K52d	35939K52d	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6597,069914	3993,748035		35939K54a	STWO	49	6597,069914	2990,692161		83	K	K54a	35939K54a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
6150	3161,602398		35939K54b	EGWO		6150	3669,4026		1	K	K54b	35939K54b	EGWO					6,277.225	3,144.662		
7029,582992	4272,122387		35939K54b	STWO	49	7029,582992	3509,422401		34	K	K54b	35939K54b	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
6042,539458	4026,088075		35955E37c	STWO	44	6042,539458	3084,33824		81	E	E37c	35955E37c	STWO	35	33	-2	9	6,277.225	3,989.588	-1.55	9.7
6147,746141	4021,620127		35963M30a	STWO	46	6147,746141	3335,571516		139	M	M30a	35963M30a	STWO	36	34	-2	10	6,277.225	3,989.588	-1.55	9.7
6790,282569	4144,086149		35963M30b	STWO	45	6790,282569	3678,205373		110	M	M30b	35963M30b	STWO	40	39	-1	5	6,277.225	3,989.588	-1.55	5.9
5670,756455	3968,14576		35971M57a	STWO	44	5670,756455	3167,237449		129	M	M57a	35971M57a	STWO	30	30	0	14	6,277.225	3,989.588	0.55	13.5
8026,697037	4071,54814		35998A06i	EGWO	40	8026,697037	4632,612152		17	A	A06i	35998A06i	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
7638,622454	4488,994993		35998A06i	STWO	43	7638,622454	4351,631753		147	A	A06i	35998A06i	STWO	43	40	-3	0	7,859.686	4,412.051	-3.65	-1.7
7146,263837	4362,904196		36021K48c	STWO	49	7146,263837	3582,049248		88	K	K48c	36021K48c	STWO	43	39	-4	6	7,859.686	4,412.051	-3.65	5.9
7429,251896	4729,739039		36048A09i	STWO	32	7429,251896	5369,001802		11	A	A09i	36048A09i	STWO	39	36	-3	-7	7,859.686	4,834.514	-3.65	-5.5
3683,408121	3675,297764		36056F81c	STWO	9	3683,408121	4135,820787		73	F	F81c	36056F81c	STWO	9	8	-1	0	3,112.304	3,567.125	-1.55	-1.7
3643,620321	3295,074903		36056F82b	STWO	13	3643,620321	3319,456111		56	F	F82b	36056F82b	STWO	12	10	-2	1	3,112.304	3,144.662	-1.55	2.1
3203,57958	3215,148843		36056F82c	STWO	6	3203,57958	3253,594479		96	F	F82c	36056F82c	STWO	6	6	0	0	3,112.304	3,144.662	0.55	-1.7
4201,396369	3696,654362		36064F89a	STWO	13	4201,396369	3945,578758		24	F	F89a	36064F89a	STWO	13	13	0	0	4,694.765	3,567.125	0.55	-1.7
5684,932389	4050,001596		36072E38c	STWO	43	5684,932389	3225,628352		60	E	E38c	36072E38c	STWO	33	29	-4	10	6,277.225	3,989.588	-3.65	9.7
3922,28612	2835,947131		36080N65a	EGWO	26	3922,28612	2896,313889		18	N	N65a	36080N65a	EGWO	20	28	8	6	4,694.765	2,722.199	8.95	5.9
7606,735212	3285,077065		36099K52g	EGWO	49	7606,735212	2825,428258		10	K	K52g	36099K52g	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6818,761938	4312,546075		36110N67a	EGWO	36	6818,761938	4312,327452		16	N	N67a	36110N67a	EGWO	35	37	2	1	6,277.225	4,412.051	2.65	2.1
4467,273145	3572,469646		36145F89c	STWO	27	4467,273145	3296,620487		28	F	F89c	36145F89c	STWO	23	22	-1	4	4,694.765	3,567.125	-1.55	2.1
4239,861111	3788,574846		36153F85b	STWO	9	4239,861111	4209,389111		36	F	F85b	36153F85b	STWO	11	10	-1	-2	4,694.765	3,989.588	-1.55	-1.7
6836,363636	4079,848023		36188N73d	EGWO	40	6836,363636	4196,57		1	N	N73d	36188N73d	EGWO	40	43	3	0	6,277.225	3,989.588	2.65	-1.7
6977,575454	4127,484928		36196K52b	STWO	49	6977,575454	3117,702714		168	K	K52b	36196K52b	STWO	43	41	-2	6	6,277.225	3,989.588	-1.55	5.9
7056,565942	4213,421613		36196K52c	STWO	49	7056,565942	4759,328797		75	K	K52c	36196K52c	STWO	44	41	-3	5	6,277.225	4,412.051	-3.65	5.9
6847,516624	4130,192633		36196K52d	STWO	49	6847,516624	3204,220971		31	K	K52d	36196K52d	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6564,346956	4047,952221		36196K54a	STWO	49	6564,346956	3185,426767		40	K	K54a	36196K54a	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6911,245019	4258,547225		36196K54b	STWO	49	6911,245019	3513,338515		268	K	K54b	36196K54b	STWO	41	38	-3	8	6,277.225	4,412.051	-3.65	9.7
6524,668542	4078,47979		36196K54c	STWO	49	6524,668542	3176,608152		39	K	K54c	36196K54c	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
7285,793535	4374,533639		36196K54d	STWO	49	7285,793535	3734,735917		36	K	K54d	36196K54d	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6227,774511	3900,411322		36226K53b	STWO	49	6227,774511	3084,485268		107	K	K53b	36226K53b	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
5506,530666	3782,467892		36250N65b	EGWO	33	5506,530666	3686,097297		31	N	N65b	36250N65b	EGWO	27	31	4	6	6,277.225	3,989.588	4.75	5.9
5527,797862	3421,367655		36269N63a	EGWO	41	5527,797862	3236,088045		18	N	N63a	36269N63a	EGWO	36	38	2	5	6,277.225	3,567.125	2.65	5.9
8503,578618	3965,260587		36293A07g	EGWO	49	8503,578618	4252,461445		23	A	A07g	36293A07g	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7884,927622	4543,706772		36293A07g	STWO	46	7884,927622	4290,638631		253	A	A07g	36293A07g	STWO	45	42	-3	1	7,859.686	4,412.051	-3.65	2.1
7743,279861	4562,734656		36307A03d	STWO	43	7743,279861	4503,600852		110	A	A03d	36307A03d	STWO	44	41	-3	-1	7,859.686	4,412.051	-3.65	-1.7
7820,646136	4661,355645		36307A03e	STWO	40	7820,646136	4918,847066		13	A	A03e	36307A03e	STWO	43	40	-3	-3	7,859.686	4,834.514	-3.65	-1.7
7655,412619	4538,598034		36307A07g	STWO	40	7655,412619	4695,839141		44	A	A07g	36307A07g	STWO	43	40	-3	-3	7,859.686	4,412.051	-3.65	-1.7
7674,955575	4429,024206		36315E18a	STWO	49	7674,955575	3626,146738		32	E	E18a	36315E18a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7509,009115	4160,576185		36323K47a	STWO	49	7509,009115	2834,965952		64	K	K47a	36323K47a	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
7607,798736	4145,833247		36323K47b	STWO	49	7607,798736	2784,49616		17	K	K47b	36323K47b	STWO	48	45	-3	1	7,859.686	3,989.588	-3.65	2.1
8244,948037	4372,394168		36323K47c	STWO	49	8244,948037	3096,629746		76	K	K47c	36323K47c	STWO	47				7,859.686	4,412.051		
7662,230836	4257,07427		36323K47f	STWO	49	7662,230836	3011,532202		97	K	K47f	36323K47f	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
5284,826084	3651,332973		36323K47j	STWO	49	5284,826084	2782,675977		13	K	K47j	36323K47j	STWO	42	39	-3	7	4,694.765	3,567.125	-3.65	5.9
7269,498828	4394,428238		36366E14e	STWO	49	7269,498828	3475,648717		58	E	E14e	36366E14e	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
5684,361262	4038,535765		36374E14c	STWO	24	5684,361262	4312,960783		112	E	E14c	36374E14c	STWO	28	29	1	-4	6,277.225	3,989.588	0.55	-5.5
6676,199385	4332,539292		36374E14d	STWO	44	6676,199385	3811,365963		100	E	E14d	36374E14d	STWO	36	35	-1	8	6,277.225	4,412.051	-1.55	9.7
7388,256877	4360,211501		36374E14e	STWO	49	7388,256877	3414,992251		116	E	E14e	36374E14e	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
7271,570657	4479,114138		36382E14d	STWO	49	7271,570657	3688,697258		47	E	E14d	36382E14d	STWO	40	38	-2	9	7,859.686	4,412.051	-1.55	9.7
7459,176432	4509,656446		36382E14e	STWO	49	7459,176432	3676,72028		85	E	E14e	36382E14e	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
4774,172313	2881,276779		36390K90c	EGWO	49	4774,172313	2349,003305		34	K	K90c	36390K90c	EGWO	43	43	0	6	4,694.765	2,722.199	0.55	5.9
5398,46994	4039,462506		36390K90c	STWO	31	5398,46994	3716,647625		72	K	K90c	36390K90c	STWO	29	25	-4	2	4,694.765	3,989.588	-3.65	2.1
4613,325794	2765,130406		36390K91c	EGWO	49	4613,325794	2356,553537		49	K	K91c	36390K91c	EGWO	43	42	-1	6	4,694.765	2,722.199	-1.55	5.9
5247,363183	4000,893068		36390K91c	STWO	30	5247,363183	3664,506791		148	K	K91c	36390K91c	STWO	29	24	-5	1	4,694.765	3,989.588	-5.75	2.1
7718,695636	4605,034638		36404E14e	STWO	49	7718,695636	3761,330089		193	E	E14e	36404E14e	STWO	41	40	-1	8	7,859.686	4,412.051	-1.55	9.7
7480,300713	4433,361723		36404E14f	STWO	49	7510,731533	3566,362758		124	E	E14f	36404E14f	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6729,031083	4268,267772		36412E75d	STWO	47	6729,031083	3556,597142		29	E	E75d	36412E75d	STWO	38	36	-2	9	6,277.225	4,412.051	-1.55	9.7
9756,526863	3897,324679		36420K47c	EGWO	49	9756,526863	3457,759592		41	K	K47c	36420K47c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
8547,273423	4116,571014		36420K47c	STWO	49	8547,273423	3151,357806		39	K	K47c	36420K47c	STWO	49	49	0	0	7,859.686	4,412.051	0.55	1.7
9573,562965	3797,90003		36420K47d	EGWO	49	9573,562965	3251,784939		21	K	K47d	36420K47d	EGWO					9,442.146	3,989.588		
8513,001531	4339,701626		36420K47d	STWO		8513,001531	2935,937035		234	K	K47d	36420K47d	STWO					7,859.686	4,412.051		
5451,080786	2844,805462		36439K90d	EGWO	49	5451,080786	2404,720465		38	K	K90d	36439K90d	EGWO	47	48	1	2	4,694.765	2,722.199	0.55	2.1
7032,319229			36439K90i	EGWO	49	7032,319229			4	K	K90i	36439K90i	EGWO	49	48	-1	0	6,277.225		-1.55	-1.7
5460,731835	4039,379282		36447E14c	STWO	28	5460,731835	3942,860053		36	E	E14c	36447E14c	STWO	27	26	-1	1	4,694.765	3,989.588	-1.55	2.1
7405,555556	4312,850927		36455K25b	STWO	49	7405,555556	3486,4394		3	K	K25b	36455K25b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7030,703566	4244,115203		36455K25c	STWO	49	7030,703566	3330,212763		21	K	K25c	36455K25c	STWO	43	40	-3	6	6,277.225	4,412.051	-3.65	5.9
6619,83924	3949,625343		36455K26c	STWO	49	6619,83924	2960,951426		8	K	K26c	36455K26c	STWO	43	40	-3	6	6,277.225	3,989.588	-3.65	5.9
6454,835231	4185,222758		36463E14d	STWO	48	6454,835231	3373,775077		113	E	E14d	36463E14d	STWO	37	35	-2	11	6,277.225	3,989.588	-1.55	9.7
7229,869186	4464,900468		36463E14e	STWO	49	7229,869186	3637,807336		94	E	E14e	36463E14e	STWO	40	38	-2	9	7,859.686	4,412.051	-1.55	9.7
5777,777778	3773,93033		36471M55i	STWO	28	5777,777778	2789,0575		1	M	M55i	36471M55i	STWO	34	31	-3	-6	6,277.225	3,567.125	-3.65	-5.5
5573,613911	3896,741935		36501N60a	STWO	41	5573,613911	3292,544189		10	N	N60a	36501N60a	STWO	31	30	-1	10	6,277.225	3,989.588	-1.55	9.7

5348,741023	4229,815808	[redacted]	36528F86f	STWO	31	5348,741023	3673,980472	[redacted]	106	F	F86f	36528F86f	STWO	22	21	-1	9	4,694.765	4,412.051	-1.55	9.7
7743,324392	4307,35127		36536K47b	STWO	49	7743,324392	2957,308707		8	K	K47b	36536K47b	STWO		45			7,859.686	4,412.051		
5687,674672	4040,502742		36552E13a	STWO	42	5687,674672	3469,650748		23	E	E13a	36552E13a	STWO	39	32	-7	3	6,277.225	3,989.588	-7.85	2.1
10372,23557	3638,583922		36587K47c	EGWO	49	10372,23557	2388,766357		9	K	K47c	36587K47c	EGWO	49	49	0	0	11,024.607	3,567.125	0.55	-1.7
8520,574682	4153,214643		36587K47c	STWO		8520,574682	2650,174416		51	K	K47c	36587K47c	STWO					7,859.686	3,989.588		
9195,526678	3706,584728		36595K47c	EGWO	49	9195,526678	3147,036617		6	K	K47c	36595K47c	EGWO		49			9,442.146	3,567.125		
8108,63213	4499,552681		36595K47c	STWO		8108,63213	3220,275416		128	K	K47c	36595K47c	STWO					7,859.686	4,412.051		
9669,779915			36595K47d	EGWO	49	9669,779915	3101,775878		33	K	K47d	36595K47d	EGWO					9,442.146			
8566,594302	4352,165876		36595K47d	STWO		8566,594302	3019,010312		107	K	K47d	36595K47d	STWO					7,859.686	4,412.051		
7405,488144	4367,965003		36609E18b	STWO	49	7405,488144	3509,77267		10	E	E18b	36609E18b	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6247,721521	4155,358425		36617E37f	STWO	48	6247,721521	3258,335574		149	E	E37f	36617E37f	STWO	37	33	-4	11	6,277.225	3,989.588	-3.65	9.7
4006,570513	3884,167704		36625F76a	STWO	5	4006,570513	4468,800507		120	F	F76a	36625F76a	STWO	6	6	0	-1	4,694.765	3,989.588	0.55	-1.7
6960,00213	4327,183127		36633E14e	STWO	49	6960,00213	3466,224389		89	E	E14e	36633E14e	STWO	40	38	-2	9	6,277.225	4,412.051	-1.55	9.7
6599,222858	3880,603865		36633E14f	STWO	46	6611,551253	3374,983973		62	E	E14f	36633E14f	STWO	41	39	-2	5	6,277.225	3,989.588	-1.55	5.9
4075,92248	3810,620236		36641F76a	STWO	5	4075,92248	4236,659924		96	F	F76a	36641F76a	STWO	8	6	-2	-3	4,694.765	3,989.588	-1.55	-1.7
6696,795511	4277,361919		36668E13a	STWO	47	6696,795511	3522,598837		60	E	E13a	36668E13a	STWO	41	36	-5	6	6,277.225	4,412.051	-5.75	5.9
5412,787151	3911,450528		36676K91c	STWO	29	5412,787151	3458,288099		469	K	K91c	36676K91c	STWO	29	24	-5	0	4,694.765	3,989.588	-5.75	-1.7
6385,205254	4086,252896		36684K26c	STWO	48	6385,205254	3291,038088		107	K	K26c	36684K26c	STWO	42	36	-6	6	6,277.225	3,989.588	-5.75	5.9
7069,508144	4219,504072		36692K25d	STWO	49	7069,508144	3292,654018		201	K	K25d	36692K25d	STWO	44	40	-4	5	7,859.686	4,412.051	-3.65	5.9
5735,572224	4070,607982		36714E14c	STWO	23	5735,572224	4465,989321		12	E	E14c	36714E14c	STWO	31	28	-3	-8	6,277.225	3,989.588	-3.65	-9.3
7147,20771	4378,507826		36714E14d	STWO	49	7147,20771	3634,29346		231	E	E14d	36714E14d	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
7770,570926	4568,34498		36714E14e	STWO	49	7770,570926	3704,296806		95	E	E14e	36714E14e	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
4909,756098			36722E16b	EGWO		4909,756098	3092,3134		1	E	E16b	36722E16b	EGWO					4,694.765			
7555,304478	4600,500777		36722E16b	STWO	49	7555,304478	3837,718403		88	E	E16b	36722E16b	STWO	40	39	-1	9	7,859.686	4,412.051	-1.55	9.7
4320,949815	3066,985905		36730F78b	EGWO	28	4320,949815	3119,682154		58	F	F78b	36730F78b	EGWO	24	29	5	4	4,694.765	3,144.662	4.75	2.1
6237,534487	3927,588709		36749E75a	STWO	49	6237,534487	3077,551688		37	E	E75a	36749E75a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6855,128037	4280,151716		36749E75b	STWO	45	6855,128037	3680,960862		52	E	E75b	36749E75b	STWO	40	38	-2	5	6,277.225	4,412.051	-1.55	5.9
6490,94831	4207,676175		36749E75c	STWO	46	6490,94831	3499,974127		48	E	E75c	36749E75c	STWO	38	35	-3	8	6,277.225	4,412.051	-3.65	9.7
5538,156896	3685,971961		36765K90a	STWO	36	5538,156896	3259,456781		199	K	K90a	36765K90a	STWO	37	33	-4	-1	6,277.225	3,567.125	-3.65	-1.7
4392,758329	3457,316244		36765K91c	STWO	24	4392,758329	3348,710333		80	K	K91c	36765K91c	STWO	27	20	-7	-3	4,694.765	3,567.125	-7.85	-1.7
6663,594347	4395,673986		36773E14d	STWO	46	6663,594347	3590,954453		9	E	E14d	36773E14d	STWO	37	34	-3	9	6,277.225	4,412.051	-3.65	9.7
5731,08863	4131,105111		36781E14c	STWO	23	5731,08863	4678,735437		9	E	E14c	36781E14c	STWO	28	26	-2	-5	6,277.225	3,989.588	-1.55	-5.5
6400	4035,369047		36781E14d	STWO	49	6400	3173,1525		1	E	E14d	36781E14d	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
6495,147262	4239,468223		36803E13a	STWO	45	6495,147262	3568,104873		46	E	E13a	36803E13a	STWO	41	34	-7	4	6,277.225	4,412.051	-7.85	2.1
6208,228993	4038,770739		36846M56c	STWO	40	6208,228993	4161,269405		23	M	M56c	36846M56c	STWO	36	35	-1	4	6,277.225	3,989.588	-1.55	2.1
6693,09063	4295,55569		36889E42d	STWO	41	6693,09063	4395,68576		26	E	E42d	36889E42d	STWO	37	35	-2	4	6,277.225	4,412.051	-1.55	2.1
11584,14443	3881,286513		36897K47a	EGWO	49	11584,14443	2391,6099		2	K	K47a	36897K47a	EGWO					11,024.607	3,989.588		
5344,262295	3416,394909		36900F77d	EGWO	41	5344,262295	3670,419676		1	F	F77d	36900F77d	EGWO	35	39	4	6	4,694.765	3,567.125	4.75	5.9
3734,939759	3504,988644		36900F77d	STWO	11	3734,939759	3614,44		1	F	F77d	36900F77d	STWO	10	11	1	1	3,112.304	3,567.125	0.55	2.1
4502,719345	3775,594931		36919F89a	STWO	13	4502,719345	3933,072957		73	F	F89a	36919F89a	STWO	14	16	2	-1	4,694.765	3,567.125	2.65	-1.7
6149,010226	4534,326779		36927M28a	STWO	41	6149,010226	3951,261319		60	M	M28a	36927M28a	STWO	33	32	-1	8	6,277.225	4,412.051	-1.55	9.7
5957,674784	4009,302202		36935E13a	STWO	46	5957,674784	3252,013704		42	E	E13a	36935E13a	STWO	40	32	-8	6	6,277.225	3,989.588	-7.85	5.9
5856,817268	3718,472999		36943K90c	STWO	26	5856,817268	4321,878372		564	K	K90c	36943K90c	STWO	30	24	-6	-4	6,277.225	3,567.125	-5.75	-5.5
4887,959335	2840,905795		36943K90d	EGWO	49	4887,959335	2369,429062		42	K	K90d	36943K90d	EGWO	43	42	-1	6	4,694.765	2,722.199	-1.55	5.9
4383,82627	3708,195792		36943K90d	STWO	28	4383,82627	3317,796268		191	K	K90d	36943K90d	STWO	25	20	-5	3	4,694.765	3,567.125	-5.75	2.1
5978,750719	3751,281626		36943K91c	STWO	27	5978,750719	4336,559279		191	K	K91c	36943K91c	STWO	29	24	-5	-2	6,277.225	3,567.125	-5.75	-1.7
6295,997667	4136,338268		36951E13b	STWO	28	6295,997667	4521,928575		95	E	E13b	36951E13b	STWO	36	34	-2	-8	6,277.225	3,989.588	-1.55	-9.3
6693,07275	4024,123199		36951E13c	STWO	41	6693,07275	3857,314619		35	E	E13c	36951E13c	STWO	41	38	-3	0	6,277.225	3,989.588	-3.65	-1.7
5462,430305	3934,78061		36978E13b	STWO	23	5462,430305	4207,081041		18	E	E13b	36978E13b	STWO	33	28	-5	-10	4,694.765	3,989.588	-5.75	-9.3
7167,607818	4733,152388		36978E13c	STWO	43	7167,607818	4096,482896		29	E	E13c	36978E13c	STWO	37	34	-3	6	7,859.686	4,834.514	-3.65	5.9
6851,934318	4152,096613		36986E16a	STWO	49	6851,934318	3495,783524		72	E	E16a	36986E16a	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
6550	2851,531477		36994E16a	EGWO		6550	2356,8344		1	E	E16a	36994E16a	EGWO					6,277.225	2,722.199		
6959,320074	4183,697887		36994E16a	STWO	49	6959,320074	3238,830229		170	E	E16a	36994E16a	STWO	41	39	-2	8	6,277.225	3,989.588	-1.55	9.7
7249,168604	4303,888309		36994E16b	STWO	49	7249,168604	3471,48922		329	E	E16b	36994E16b	STWO	42	41	-1	7	7,859.686	4,412.051	-1.55	5.9
4902,860383	3583,142273		37001F89a	STWO	23	4902,860383	3527,406286		52	F	F89a	37001F89a	STWO	23	23	0	0	4,694.765	3,567.125	0.55	-1.7
7367,816092	4081,684122		37028K25a	EGWO	43	7367,816092	4417,1641		1	K	K25a	37028K25a	EGWO	46	48	2	-3	7,859.686	3,989.588	2.65	-1.7
7637,056261	4454,950273		37028K25a	STWO	49	7637,056261	3693,506669		126	K	K25a	37028K25a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
4760,450161			37028K25b	EGWO		4760,450161	3087,2747		1	K	K25b	37028K25b	EGWO					4,694.765			
7547,213826	4428,541904		37028K25b	STWO	49	7547,213826	3765,3061		355	K	K25b	37028K25b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7500,115	4482,84074		37028K25c	STWO	49	7500,115	3700,686734		172	K	K25c	37028K25c	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6317,391304	3003,347086		37028K25d	EGWO		6317,391304	3420,1242		1	K	K25d	37028K25d	EGWO					6,277.225	3,144.662		
7490,615658	4434,96911		37028K25d	STWO	49	7490,615658	3578,855016		309	K	K25d	37028K25d	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7898,001294	4641,84772		37036E14f	STWO	49	7898,001294	3836,808143		98	E	E14f	37036E14f	STWO	43	41	-2	6	7,859.686	4,834.514	-1.55	5.9
7739,102041	3534,798627		37044E14f	EGWO	49	7739,102041	2964,247032		4	E	E14f	37044E14f	EGWO		49			7,859.686	3,567.125		
6008,800116	3679,059124		37044E14f	STWO	46	5889,795918	2418,7198		2	E	E14f	37044E14f	STWO	42	39	-3	4	6,277.225	3,567.125	-3.65	2.1
7064,97593	4485,321318		37052E16b	STWO	47	7064,97593	3710,571707		95	E	E16b	37052E16b	STWO	39	36	-3	8	6,277.225	4,412.051	-3.65	9.7
6366,31389	4044,392264		37052E16c	STWO	40	6366,31389	3980,154822		129	E	E16c	37052E16c	STWO	38	36	-2	2	6,277.225	3,989.588	-1.55	2.1
7368,888479	4404,910646		37060E43a	STWO	49	7368,888479	3653,651907		67	E	E43a	37060E43a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
5404,327485	3617,445182		37087E15c	STWO	48	5404,327485	2576,856618		3	E	E15c	37087E15c	STWO	27	33	6	21	4,694.765	3,567.125	6.85	21.1
6239,180274	3947,191912		37095E75a	STWO	49	6239,180274	3115,365377		150	E	E75a	37095E75a	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6371,938275	4036,029985		37095E75c	STWO	49	6371,938275	3252,331541		155	E	E75c	37095E75c	STWO	39	36	-3	10	6,277.225	3,989.588	-3.65	9.7
6757,498268	4285,02117		37109E42c	STWO	46	6757,498268	3632,203066		257	E	E42c	37109E42c	STWO	38	36	-2	8	6,277.225	4,412.051	-1.55	9.7
6731,884058	2966,22178		37109E42d	EGWO		6731,884058	2359,7618		1	E	E42d	37109E42d	EGWO					6,277.225	3,144.662		
6741,669157	4228,058128		37109E42d	STWO	49	6741,669157	3476,6645		326	E	E42d	37109E42d	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
4119,202075	3422,356994		37117F81c	STWO	19	4119,202075	3207,908467		60	F	F81c	37117F81c	STWO	14	13	-1	5	4,694.765	3,567.125	-1.55	5.9
5730,25592	3903,662959		37125M29b	STWO	44	5730,25592	3205,238442		41	M	M29b	37125M29b	STWO	37	31	-6	7	6,277.225	3,989.588	-5.75	5.9
6666,39901	4053,889978		37133K48f	STWO	49	6666,39901	3178,043918		61	K	K48f	37133K48f	STWO	43	39	-4	6	6,277.225	3,989.588	-3.65	5.9
6733,641424	4054,817004		37141K48f	STWO	49	6733,641424	3126,968533		385	K	K48f	37141K48f	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
6722,582383	4160,449362		37168E43b	STWO	49	6722,582383	3328,490666		397	E	E43b	37168E43b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
7283,049702	4323,838611		37176K24a	STWO	49	7283,049702	3386,932699		105	K	K24a	37176K24a	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6864,300238	4151,024434		37176K24a	STWO	49	6864,300238	3188,081326		122	K	K24a	37176K24a	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
6971,565989	4215,534795		37176K25a	STWO	49	6971,565989	3285,046412		106	K	K25a	37176K25a	STWO	42	39	-3	7	6,277.225	4,412.051	-3.65	5.9
7210,92347	4290,580514		37176K25b	STWO	49	7210,92347	3339,228301		85	K	K25b	37176K25b	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9
6065,197878	3974,603653		37176K26a	STWO	47	6065,197878	3206,408616		83	K	K26a	37176K26a	STWO	37	34	-3	10	6,277.225	3,989.588	-3.65	9.7
6668,331414	4112,357502		37176K26b	STWO	49	6668,331414	3254,596348		57	K	K26b	37176K26b	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
5344,746377	2762,493952		37184M30a	EGWO	2	5344,746377	2549,354916		2	M	M30a	37184M30a	EGWO	45	46	1	4	4,694.765	2,722.199	0.55	2.1
5402,614478	3830,678877		37184M30a	STWO	43	5402,614478	3087,37878		10	M	M30a	37184M30a	STWO	33	29	-4	10	4,694.765	3,989.588	-3.65	9.7
7326,114933	3204,491174		37192K45b	EGWO	49	7326,114933	2770,297896		10	K	K45b	37192K45b	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
7248,510712	4399,768826		37192K45b	STWO	49	7248,510712	3559,669454		116	K	K45b	37192K45b	STWO	41	39	-2	8	7,859.686	4,412.051	-1.55	9.7
5771,1344	3221,275115		37206A08b	EGWO	38	5771,1344	4098,74695		2	A	A08b	37206A08b	EGWO					6,277.225	3,144.662		
6862,981031	4351,343563		37206A08b	STWO	40	6862,981031	4139,755553		71	A	A08b	37206A08b	STWO	38	36	-2	2	6,277.225	4,412.051	-1.55	2.1
6612,605229	4134,820114		37214M31c	STWO	38	6612,605229	3363,76743		17	M	M31c	37214M31c	STWO	35	32	-3	3	6,277.225	3,989.588	-3.65	2.1
6979,552607	4262,638535		37214M32b	STWO	45	6979,552607	3599,329569		128	M	M32b	37214M32b	STWO	40	39	-1	5	6,277.225	4,412.051	-1.55	5.9
7730,30303	4021,243448		37214M32d	EGWO		7730,30303	4710,2561		2	M	M32d	37214M32d	EGWO					7,859.686	3,989.588		
4110,464419	4217,449939		37222K46a	STWO	49	4110,464419	2647,665818		37	K	K46a	37222K46a	STWO					4,694.765	4,412.051		
9922,887329			37222K46b	EGWO		9922,887329	3156,66125		5	K	K46b	37222K46b	EGWO					9,442.146			
8375,194033	4362,540411		37222K46b	STWO	49	8375,194033	2973,219192		27	K	K46b	37222K46b	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
16275	6283,570267		37230K46a	EGWO	49	16275	4490,0513		1	K	K46a	37230K46a	EGWO					15,771.988	6,101.903		
7883,356212	4268,224961		37230K46a	STWO	49	7883,356212	2783,599673		179	K	K46a	37230K46a	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
7823,570406	4228,928794		37230K46b	STWO	49	7823,570406	2801,053609		275	K	K46b	37230K46b	STWO	49	46	-3	0	7,859.686	4,412.051	-3.65	-1.7
8385,40286	4051,536431		37230K47d	EGWO	49	8385,40286	3250,559008		4	K	K47d	37230K47d	EGWO					7,859.686	3,989.588		
8291,770511	4259,6962		37230K47d	STWO	49	8291,770511	2795,717024		177	K	K47d	37230K47d	STWO	49	48	-1	0	7,859.686	4,412.051	-1.55	-1.7
7909,079729	4390,295222		37249K46b	STWO	49	7909,079729	2906,821579		16	K	K46b	37249K46b	STWO	49	46	3	0	7,859.686	4,412.051	3.65	1.7
7241,097015	4222,444434		37257A04f	STWO	49	7241,097015	3693,037837		218	A	A04f	37257A04f	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
6645,413528	4016,472709		37257A04g	STWO	48	6645,413528	3085,145971		102	A	A04g	37257A04g	STWO	39	40	1	9	6,277.225	3,989.588	0.55	9.7
4865,780258	3782,156119		37273K90c	STWO	23	4865,780258	3765,911333		64	K	K90c	37273K90c	STWO	28	22	-6	-5	4,694.765	3,989.588	-5.75	-5.5
5317,826229	3846,5978		37303K90a	STWO	27	5317,826229	3867,236501		162	K	K90a	37303K90a	STWO	31	26	-5	-4	4,694.765	3,989.588	-5.75	-5.5
4435,37415			37311K44f	STWO		4435,37415	3275,0573		1	K	K44f	37311K44f	STWO					4,694.765			
5906,665346	2698,376064		37338M55h	EGWO	49	5906,665346	2374,216767		6	M	M55h	37338M55h	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4705,950775	4008,960191		37338M55h	STWO	46	4705,950775	3245,540346		20	M	M55h	37338M55h	STWO	36	31	-5	10	4,694.765	3,989.588	-5.75	9.7
6150,359911	3990,971638		37346E41a	STWO	49	6150,359911	2978,349542		42	E	E41a	37346E41a	STWO	39	35	-4	10	6,277.225	3,989.588	-3.65	9.7
4321,611471	2526,836276		37370N60a	EGWO	39	4321,611471	2298,46		2	N	N60a	37370N60a	EGWO	32	34	2	7	4,694.765	2,722.199	2.65	5.9
5411,088939	3885,126653		37370N60a	STWO	37	5411,088939	3334,315519		4	N	N60a	37370N60a	STWO	27	27	0	10	4,694.765	3,989.588	0.55	9.7
6605,311968	4278,331562		37389E42a	STWO	46	6605,311968	3584,018607		27	E	E42a	37389E42a	STWO	37	35	-2	9	6,277.225	4,412.051	-1.55	9.7
6381,490822	4138,409616		37389E42b	STWO	43	6381,490822	3787,571062		72	E	E42b	37389E42b	STWO	36	35	-1	7	6,277.225	3,989.588	-1.55	5.9

6580,762561	4077,855814	[redacted]	37419K53b	STWO	49	6580,762561	3305,771206	[redacted]	121	K	K53b	37419K53b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
6970,016983	4236,878211		37419K54a	STWO	49	6970,016983	3429,713923		113	K	K54a	37419K54a	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
7055,558767	4268,770288		37419K54b	STWO	49	7055,558767	3481,996185		231	K	K54b	37419K54b	STWO	41	39	-2	8	6,277.225	4,412.051	-1.55	9.7
4980,504035	3857,839936		37451M33h	STWO	23	4980,504035	3364,126635		28	M	M33h	37451M33h	STWO	31	22	-9	-8	4,694.765	3,989.588	-9.95	-9.3
5522,233202	3740,730525		37451M33i	STWO	43	5522,233202	3087,863985		2	M	M33i	37451M33i	STWO	34	26	-8	9	6,277.225	3,567.125	-7.85	9.7
7566,344845	4365,802898		37494K45a	STWO	49	7566,344845	3499,395157		238	K	K45a	37494K45a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
7334,250867	4410,781747		37494K45b	STWO	49	7334,250867	3591,835544		53	K	K45b	37494K45b	STWO	40	40	0	9	7,859.686	4,412.051	0.55	9.7
6897,546898	3246,37495		37508M57a	EGWO	49	6897,546898	3308,455		3	M	M57a	37508M57a	EGWO	44	47	3	5	6,277.225	3,144.662	2.65	5.9
5365,360898	3795,900632		37508M57a	STWO	45	5365,360898	2935,243406		148	M	M57a	37508M57a	STWO	28	29	1	17	4,694.765	3,989.588	0.55	17.3
4745,926745	3172,189413		37516N65b	EGWO	34	4745,926745	3142,163487		241	N	N65b	37516N65b	EGWO	30	33	3	4	4,694.765	3,144.662	2.65	2.1
11106,26786	3838,455457		37524K49f	EGWO	49	11106,26786	2594,312257		13	K	K49f	37524K49f	EGWO	49	49	0	0	11,024.607	3,989.588	0.55	-1.7
7238,979676	4011,368707		37524K49f	STWO	49	7238,979676	2539,349859		9	K	K49f	37524K49f	STWO	49	45	-4	0	7,859.686	3,989.588	-3.65	-1.7
7038,461538	4007,086034		37532E36a	EGWO	49	7038,461538	3424,04		1	E	E36a	37532E36a	EGWO	48	49	1	1	6,277.225	3,989.588	0.55	2.1
6655	4363,925188		37532E36a	STWO	40	6655	3386,496298		2	E	E36a	37532E36a	STWO	36	32	-4	4	6,277.225	4,412.051	-3.65	2.1
6616,545894	4296,15632		37540K52g	STWO	33	6616,545894	4447,84115		48	K	K52g	37540K52g	STWO	36	35	-1	-3	6,277.225	4,412.051	-1.55	-1.7
6124,950219	3924,934002		37559N62b	EGWO	41	6124,950219	3607,277741		15	N	N62b	37559N62b	EGWO	34	36	2	7	6,277.225	3,989.588	2.65	5.9
7594,356965	4449,865104		37613K25b	STWO	49	7594,356965	3560,052384		14	K	K25b	37613K25b	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
10194,04502	3702,396592		37621K49b	EGWO	49	10194,04502	2386,430573		3	K	K49b	37621K49b	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7128,53006	3973,429041		37621K49b	STWO	49	7128,53006	2415,821408		3	K	K49b	37621K49b	STWO	47	44	-3	2	7,859.686	3,989.588	-3.65	2.1
4284,089921	2710,555276		37656F76a	EGWO	39	4284,089921	2602,019516		19	F	F76a	37656F76a	EGWO	32	37	5	7	4,694.765	2,722.199	4.75	5.9
9758,661459	3759,700026		37664K49d	EGWO	49	9758,661459	2706,501367		3	K	K49d	37664K49d	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
7686,79594	4003,321896		37702A04h	EGWO	42	7686,79594	4695,26699		3	A	A04h	37702A04h	EGWO	48	49	1	-6	7,859.686	3,989.588	0.55	-5.5
6929,25293	4301,860846		37702A04h	STWO	40	6929,25293	4007,369638		27	A	A04h	37702A04h	STWO	40	37	-3	0	6,277.225	4,412.051	-3.65	-1.7
4317,169504	2762,830682		37710F76a	EGWO	38	4317,169504	2682,488473		25	F	F76a	37710F76a	EGWO	31	36	5	7	4,694.765	2,722.199	4.75	5.9
6661,136088	4174,695461		37729E41a	STWO	49	6661,136088	3231,842472		165	E	E41a	37729E41a	STWO	40	37	-3	9	6,277.225	3,989.588	-3.65	9.7
6506,218389	4143,9546		37729E41b	STWO	49	6506,218389	3155,299062		124	E	E41b	37729E41b	STWO	38	36	-2	11	6,277.225	3,989.588	-1.55	9.7
6304,685961	4084,97046		37729E42a	STWO	48	6304,685961	3293,740586		45	E	E42a	37729E42a	STWO	37	35	-2	11	6,277.225	3,989.588	-1.55	9.7
4346,793823	2846,415228		37737F76a	EGWO	35	4346,793823	2718,775025		42	F	F76a	37737F76a	EGWO	30	34	4	5	4,694.765	2,722.199	4.75	5.9
5966,56311	3737,99137		37745K52d	STWO	49	5966,56311	2824,401841		84	K	K52d	37745K52d	STWO	37	37	0	12	6,277.225	3,567.125	0.55	13.5
6733,257776	4127,139309		37745K53a	STWO	49	6766,50603	3353,228479		20	K	K53a	37745K53a	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7
6431,952663	3274,699521		37753E37e	EGWO		6431,952663	3545,337831		1	E	E37e	37753E37e	EGWO					6,277.225	3,144.662		
6698,292735	4246,133062		37753E37e	STWO	49	6698,292735	3397,814743		80	E	E37e	37753E37e	STWO	39	37	-2	10	6,277.225	4,412.051	-1.55	9.7
7483,251707	3930,588022		37788A05d	EGWO	49	7483,251707	4267,957059		3	A	A05d	37788A05d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7163,848543	4394,416156		37788A05d	STWO	40	7163,848543	4313,436359		24	A	A05d	37788A05d	STWO	41	38	-3	-1	7,859.686	4,412.051	-3.65	-1.7
8422,222222	4113,576372		37796A05d	EGWO	49	8422,222222	4789,959892		1	A	A05d	37796A05d	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7
7218,640817	4213,110827		37796A05d	STWO	47	7218,640817	3719,39749		86	A	A05d	37796A05d	STWO	42	40	-2	5	7,859.686	4,412.051	-1.55	5.9
5386,804392	2740,717505		37818K90d	EGWO	49	5386,804392	2365,288598		30	K	K90d	37818K90d	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
8775,925926	3802,299875		37826A07e	EGWO	49	8775,925926	3989,136699		3	A	A07e	37826A07e	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
6991,103595	4329,705546		37826A07e	STWO	42	6991,103595	4125,835851		26	A	A07e	37826A07e	STWO	41	39	-2	1	6,277.225	4,412.051	-1.55	2.1
7138,892012	4082,692943		37834A03b	STWO	49	7138,892012	2904,228855		14	A	A03b	37834A03b	STWO	45	43	-2	4	7,859.686	3,989.588	-1.55	2.1
10111,76471	4016,870844		37834A03c	EGWO	49	10111,76471	3045,63		1	A	A03c	37834A03c	EGWO	49	49	0	0	9,442.146	3,989.588	0.55	-1.7
7836,563636	4500,462825		37834A03c	STWO	45	7836,563636	4352,280622		58	A	A03c	37834A03c	STWO	45	42	-3	0	7,859.686	4,412.051	-3.65	-1.7
7463,653414	4498,254297		37834A03f	STWO	37	7463,653414	4675,5261		6	A	A03f	37834A03f	STWO	43	40	-3	-6	7,859.686	4,412.051	-3.65	-5.5
6944,623232	4174,0608		37842K25d	STWO	49	6944,623232	3226,573842		185	K	K25d	37842K25d	STWO	44	40	-4	5	6,277.225	3,989.588	-3.65	5.9
6452,043971	3477,318893		37850A05c	EGWO	36	6452,043971	3900,418915		7	A	A05c	37850A05c	EGWO	43	45	2	-7	6,277.225	3,567.125	2.65	-5.5
7514,831523	4478,388094		37850A05c	STWO	40	7514,831523	4544,87196		179	A	A05c	37850A05c	STWO	42	40	-2	-2	7,859.686	4,412.051	-1.55	-1.7
7121,212121	3496,36576		37869A06l	EGWO	43	7121,212121	4083,4136		1	A	A06l	37869A06l	EGWO	49	49	0	-6	7,859.686	3,567.125	0.55	-5.5
7538,409434	4394,097483		37869A06l	STWO	45	7538,409434	4093,535486		28	A	A06l	37869A06l	STWO	42	41	-1	3	7,859.686	4,412.051	-1.55	2.1
7055,408464	4319,362858		37907E14f	STWO	42	7055,408464	3948,232469		89	E	E14f	37907E14f	STWO	42	39	-3	0	6,277.225	4,412.051	-3.65	-1.7
4796,491228	3076,639492		37931F82a	EGWO	40	4796,491228	3105,609399		3	F	F82a	37931F82a	EGWO	35	38	3	5	4,694.765	3,144.662	2.65	5.9
4631,578947	3728,214649		37974K44f	STWO		4631,578947	3378,45		1	K	K44f	37974K44f	STWO					4,694.765	3,567.125		
5464,075444	3361,795989		37982N63a	EGWO	42	5464,075444	3186,733502		31	N	N63a	37982N63a	EGWO	36	38	2	6	4,694.765	3,567.125	2.65	5.9
7033,041727	4436,119128		38032A01h	STWO	33	7033,041727	4873,945297		62	A	A01h	38032A01h	STWO	41	36	-5	-8	6,277.225	4,412.051	-5.75	-9.3
7239,012869	4329,060992		38040K44b	STWO	49	7239,012869	3509,695808		159	K	K44b	38040K44b	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6594,941743	3975,006504		38059N61c	EGWO	46	6594,941743	3523,891196		29	N	N61c	38059N61c	EGWO	40	39	-1	6	6,277.225	3,989.588	-1.55	5.9
6759,375	4288,057397		38067N61c	EGWO	44	6759,375	3748,108646		4	N	N61c	38067N61c	EGWO	36	36	0	8	6,277.225	4,412.051	0.55	9.7
7110,04454	4317,165689		38075N61c	EGWO	45	7110,04454	3787,290234		18	N	N61c	38075N61c	EGWO	36	37	1	9	7,859.686	4,412.051	0.55	9.7
4676,761733	2675,833151		38105N68e	EGWO	46	4676,761733	2487,081899		10	N	N68e	38105N68e	EGWO	44	43	-1	2	4,694.765	2,722.199	-1.55	2.1
4590,982209	2798,293733		38105N68f	EGWO	39	4590,982209	2559,396094		7	N	N68f	38105N68f	EGWO	39	39	0	0	4,694.765	2,722.199	0.55	-1.7
6797,468354			38105N73j	EGWO		6797,468354			1	N	N73j	38105N73j	EGWO					6,277.225			
7301,913972	4224,468985		38148K52a	STWO	49	7301,913972	3540,54367		171	K	K52a	38148K52a	STWO	44	41	-3	5	7,859.686	4,412.051	-3.65	5.9
7048,789054	3029,206701		38172M56c	EGWO	49	7048,789054	2673,088857		14	M	M56c	38172M56c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6760,313806	3916,504739		38172M56c	STWO	49	6760,313806	2699,719545		56	M	M56c	38172M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
6848,724648	3958,802659		38180M56c	STWO	49	6848,724648	2695,439423		8	M	M56c	38180M56c	STWO	41	41	0	8	6,277.225	3,989.588	0.55	9.7
5830,793653	2837,734178		38199M55g	EGWO	49	5830,793653	2499,922131		19	M	M55g	38199M55g	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6689,715523	4137,379557		38199M55g	STWO	49	6689,715523	3372,429335		24	M	M55g	38199M55g	STWO	39	38	-1	10	6,277.225	3,989.588	-1.55	9.7
5954,418097	3289,809123		38210M55g	EGWO	46	5954,418097	3214,901286		30	M	M55g	38210M55g	EGWO	42	45	3	4	6,277.225	3,144.662	2.65	2.1
5883,05269	3938,59713		38210M55g	STWO	45	5883,05269	3234,873008		38	M	M55g	38210M55g	STWO	37	33	-4	8	6,277.225	3,989.588	-3.65	9.7
6184,461143	4043,137758		38229M29a	STWO	48	6184,461143	3253,571742		155	M	M29a	38229M29a	STWO	37	35	-2	11	6,277.225	3,989.588	-1.55	9.7
6920,703281	3211,745801		38237E21b	EGWO	49	6920,703281	3507,514725		4	E	E21b	38237E21b	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
7461,57817	4170,311084		38237E21b	STWO	49	7461,57817	2862,521707		51	E	E21b	38237E21b	STWO	49	47	-2	0	7,859.686	3,989.588	-1.55	-1.7
10825,5814	5148,529196		38245K47i	EGWO		10825,5814	5139		1	K	K47i	38245K47i	EGWO					11,024.607	5,256.977		
9057,371742	3643,937264		38261E22a	EGWO		8328,63982			2	E	E22a	38261E22a	EGWO					9,442.146	3,567.125		
8106,604763	4371,161561		38261E22a	STWO	49	8130,991032	3352,765795		146	E	E22a	38261E22a	STWO		47			7,859.686	4,412.051		
9477,195231			38261E22b	EGWO		9347,014925			1	E	E22b	38261E22b	EGWO					9,442.146			
7556,795822	4150,075523		38261E22b	STWO	49	7594,139046	2856,466475		76	E	E22b	38261E22b	STWO	44	40	-4	5	7,859.686	3,989.588	-3.65	5.9
6036,867762	4025,983503		38288F87c	STWO	34	6036,867762	3884,967145		128	F	F87c	38288F87c	STWO	30	30	0	4	6,277.225	3,989.588	0.55	2.1
4806,395924	3547,946699		38288F87d	STWO	27	4806,395924	3501,309634		74	F	F87d	38288F87d	STWO	25	25	0	2	4,694.765	3,567.125	0.55	2.1
6246,872476	3875,461238		38318A08b	STWO	46	6246,872476	3322,557331		9	A	A08b	38318A08b	STWO	41	38	-3	5	6,277.225	3,989.588	-3.65	5.9
5309,497295	3406,833355		38326N63a	EGWO	39	5309,497295	3230,476781		25	N	N63a	38326N63a	EGWO	33	36	3	6	4,694.765	3,567.125	2.65	5.9
7851,480531	4558,918998		38334E21a	STWO	49	7851,480531	3553,047179		21	E	E21a	38334E21a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9
9742,97212			38369K47b	EGWO	49	9742,97212	3276,311944		5	K	K47b	38369K47b	EGWO					9,442.146			
7881,910293	4264,357457		38369K47b	STWO	49	7881,910293	2801,875553		86	K	K47b	38369K47b	STWO		46			7,859.686	4,412.051		
12729,43723			38369K47c	EGWO	49	12729,43723			1	K	K47c	38369K47c	EGWO		49			12,607.067			
9353,88654	4462,10668		38369K47c	STWO		9353,88654	3239,443775		34	K	K47c	38369K47c	STWO					9,442.146	4,412.051		
5627,118644	3926,551544		38415E15c	STWO	48	5627,118644	3306,13038		1	E	E15c	38415E15c	STWO	27	33	6	21	6,277.225	3,989.588	6.85	21.1
4341,968402	2633,964571		38431F88j	EGWO	34	4341,968402	2472,961038		9	F	F88j	38431F88j	EGWO	32	35	3	2	4,694.765	2,722.199	2.65	2.1
3852,21896	3462,245242		38431F88j	STWO	26	3852,21896	2920,075		14	F	F88j	38431F88j	STWO	12	12	0	14	3,112.304	3,567.125	0.55	13.5
6588,829085	4124,627432		38458K52d	STWO	49	6588,829085	3304,778475		23	K	K52d	38458K52d	STWO	39	37	-2	10	6,277.225	3,989.588	-1.55	9.7
6132,957086	4007,470797		38458K53a	STWO	46	6132,957086	3310,867628		21	K	K53a	38458K53a	STWO	35	34	-1	11	6,277.225	3,989.588	-1.55	9.7
6258,038133	3865,759715		38458K53b	STWO	49	6258,038133	3200,044477		60	K	K53b	38458K53b	STWO	37	36	-1	12	6,277.225	3,989.588	-1.55	13.5
6592,013731	3971,814068		38458K54a	STWO	49	6592,013731	3010,450089		128	K	K54a	38458K54a	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
3755,862273	3453,258714		38474F81b	STWO	12	3755,862273	3509,59331		142	F	F81b	38474F81b	STWO	11	8	-3	1	3,112.304	3,567.125	-3.65	2.1
7099,029153	4232,661415		38482M28c	STWO	49	7099,029153	3390,189604		496	M	M28c	38482M28c	STWO	41	40	-1	8	7,859.686	4,412.051	-1.55	9.7
7187,703687	4244,643403		38482M28d	STWO	47	7187,703687	3463,981841		282	M	M28d	38482M28d	STWO	42	40	-2	5	7,859.686	4,412.051	-1.55	5.9
3889,65646	2665,288662		38504N71c	EGWO	40	3889,65646	2545,92		2	N	N71c	38504N71c	EGWO		41			3,112.304	2,722.199		
4543,481168	2665,506611		38539N69a	EGWO	47	4543,481168	2428,21125		8	N	N69a	38539N69a	EGWO	38	41	3	9	4,694.765	2,722.199	2.65	9.7
3814,216848	3647,700347		38555N68d	STWO	8	3814,216848	3978,869758		72	N	N68d	38555N68d	STWO	6	8	2	2	3,112.304	3,567.125	2.65	2.1
6679,246187	3691,146334		38563A04d	EGWO	43	6679,246187	4316,75188		6	A	A04d	38563A04d	EGWO	45	46	1	-2	6,277.225	3,567.125	0.55	-1.7
6440,78105	4120,40529		38563A04d	STWO	35	6440,78105	4049,7354		2	A	A04d	38563A04d	STWO	39	36	-3	-4	6,277.225	3,989.588	-3.65	-5.5
6932,879387	4037,174906		38571K52c	STWO	49	6932,879387	2894,34692		99	K	K52c	38571K52c	STWO	43	42	-1	6	6,277.225	3,989.588	-1.55	5.9
6809,33992	4095,117175		38571K52d	STWO	49	6809,33992	3106,251254		101	K	K52d	38571K52d	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7
6855,934072	4126,763121		38571K53a	STWO	49	6855,934072	3357,612007		53	K	K53a	38571K53a	STWO	41	40	1	8	6,277.225	3,989.588	1.55	9.7
6694,049928	4144,171483		38571K54c	STWO	49	6694,049928	3340,441119		96	K	K54c	38571K54c	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
7104,099376	4423,729328		38571K54d	STWO	48	7104,099376	3691,096985		102	K	K54d	38571K54d	STWO	41	38	-3	7	7,859.686	4,412.051	-3.65	5.9
5135,36109	3329,536379		38628N63a	EGWO	37	5135,36109	3205,777456		18	N	N63a	38628N63a	EGWO	30	35	5	7	4,694.765	3,144.662	4.75	5.9
4578,623188	3564,889174		38628N64c	STWO	45	4578,623188	2697,958831		2	N	N64c	38628N64c	STWO	29	29	0	16	4,694.765	3,567.125	0.55	17.3
5992,76074	3998,133826		38636M29a	STWO	38	5992,76074	3735,356443		327	M	M29a	38636M29a	STWO	37	32	-5	1	6,277.225	3,989.588	-5.75	2.1
7135,549894	4286,576381		38644A03e	STWO	45	7135,549894	3865,243055		13	A	A03e	38644A03e	STWO	43	40	-3	2	7,859.686	4,412.051	-3.65	2.1
6353,780826	2879,581455		38652M55d	EGWO	49	6353,780826	2428,141679		7	M	M55d	38652M55d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6549,427282	4007,695776		38652M55d	STWO	49	6549,427282	3118,147683		102	M	M55d	38652M55d	STWO	39	39	0	10	6,277.225	3,989.588	0.55	9.7
6059,595859	2904,211852		38660K90c	EGWO	49	6059,595859	2461,376745		17	K	K90c	38660K90c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5778,397581	3848,654655		38660K90c	STWO	26	5778,397581	2710,176667		3	K	K90c	38660K90c	STWO	30	24	-6	-4	6,277.225	3,989.588	-5.75	-5.5
5333,333333	3438,145527		38679N63a	EGWO	38	5333,333333	3290,083648		6	N	N63a	38679N63a	EGWO	34	35	1	4	4,694.765	3,567.125	0.55	2.1
10264,02465			38687K46c	EGWO	49	10264,02465	3029,90826		7	K	K46c	38687K46c	EGWO					11,024.607			

7394,984514	4053,507017	[redacted]	38687K46c	STWO	49	7394,984514	2448,577617	[redacted]	42	K	K46c	38687K46c	STWO					7,859.686	3,989.588			
5422,352112	2765,398269		38695K90d	EGWO	49	5422,352112	2378,961292		29	K	K90d	38695K90d	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7	
3594,305827	3315,741087		38709N66f	STWO	7	3594,305827	3402,914803		136	N	N66f	38709N66f	STWO	8	8	0	-1	3,112.304	3,144.662	0.55	-1.7	
4285,126418	3493,548865		38725K91c	STWO	24	4285,126418	3453,624464		72	K	K91c	38725K91c	STWO	26	19	-7	-2	4,694.765	3,567.125	-7.85	-1.7	
8437,616276			38733K47c	EGWO	49	8437,616276	3142,4317		2	K	K47c	38733K47c	EGWO		49			7,859.686				
8123,563591	4183,142934		38733K47c	STWO		8123,563591	2804,201994		23	K	K47c	38733K47c	STWO					7,859.686	3,989.588			
4577,049475	3056,509734		38741F89b	STWO	32	4577,049475	3124,051516		35	F	F89b	38741F89b	EGWO	30	33	3	2	4,694.765	3,144.662	2.65	2.1	
4707,575758	3959,937867		38741F89b	STWO	14	4707,575758	4330,098523		24	F	F89b	38741F89b	STWO	18	15	-3	-4	4,694.765	3,989.588	-3.65	-5.5	
7163,313314			38768K90i	EGWO	49	7163,313314	3152,28		3	K	K90i	38768K90i	EGWO	49	48	-1	0	7,859.686		-1.55	-1.7	
6388,282542	4247,434757		38776A00a	STWO	28	6388,282542	4623,998498		115	A	A00a	38776A00a	STWO	38	34	-4	-10	6,277.225	4,412.051	-3.65	-9.3	
6739,028276	3916,420338		38776A00b	STWO	30	6739,028276	4802,433996		3	A	A00b	38776A00b	EGWO	39	41	2	-9	6,277.225	3,989.588	2.65	-9.3	
5574,071131	3986,056192		38776A00b	STWO	22	5574,071131	4444,452252		66	A	A00b	38776A00b	STWO	36	28	-8	-14	6,277.225	3,989.588	-7.85	-13.1	
7272,534371	4271,704642		38784K44b	STWO	49	7272,534371	3400,456057		361	K	K44b	38784K44b	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9	
5099,945001	4047,780959		38806N62a	STWO	16	5099,945001	4599,68038		30	N	N62a	38806N62a	STWO	23	17	-6	-7	4,694.765	3,989.588	-5.75	-5.5	
7642,743595	4356,285338		38806N62b	EGWO	46	7642,743595	4037,683172		12	N	N62b	38806N62b	EGWO	41	42	1	5	7,859.686	4,412.051	0.55	5.9	
3867,404452	3418,679835		38814N68c	STWO	15	3867,404452	3343,681193		310	N	N68c	38814N68c	STWO	11	12	1	4	3,112.304	3,567.125	0.55	2.1	
6842,07038	4332,918895		38822A04i	STWO	35	6842,07038	4462,311633		113	A	A04i	38822A04i	STWO	42	36	-6	-7	6,277.225	4,412.051	-5.75	-5.5	
3839,02439	2823,134441		38830N65a	EGWO	24	3839,02439	2910,138		10	N	N65a	38830N65a	EGWO	18	26	8	6	3,112.304	2,722.199	8.95	5.9	
7059,223374	4608,854085		38873A00a	EGWO	28	7059,223374	5113,62216		15	A	A00a	38873A00a	STWO	38	35	-3	-10	6,277.225	4,412.051	-3.65	-9.3	
4072,3583	2740,713042		38881F83a	EGWO	30	4072,3583	2821,542393		38	F	F83a	38881F83a	EGWO	30	32	2	0	4,694.765	2,722.199	2.65	-1.7	
7036,802808	4833,003433		38938A01g	STWO	33	7036,802808	5612,231475		9	A	A01g	38938A01g	STWO		38			6,277.225	4,834.514			
7369,294259	4108,20327		38946K49f	STWO	49	7368,653213	2937,175525		118	K	K49f	38946K49f	STWO	48	44	-4	1	7,859.686	3,989.588	-3.65	2.1	
6756,203895	4250,560384		38954K54a	STWO	47	6756,203895	3528,728867		146	K	K54a	38954K54a	STWO	40	36	-4	7	6,277.225	4,412.051	-3.65	5.9	
5904,685431	4151,531787		38962K90a	STWO	26	5904,685431	4429,83734		108	K	K90a	38962K90a	STWO	32	29	-3	-6	6,277.225	3,989.588	-3.65	-5.5	
5559,1349	3497,733229		39012N60c	EGWO	39	5559,1349	3404,178784		32	N	N60c	39012N60c	EGWO	35	37	2	4	6,277.225	3,567.125	2.65	2.1	
3871,290038	2769,806361		39020N65a	EGWO	27	3871,290038	2823,218889		18	N	N65a	39020N65a	EGWO	21	28	7	6	3,112.304	2,722.199	6.85	5.9	
4376,577926	3281,996868		39039K91b	STWO	32	4376,577926	2859,153379		156	K	K91b	39039K91b	STWO	32	28	-4	0	4,694.765	3,144.662	-3.65	-1.7	
7106,940427	4423,036462		39047A08b	STWO	36	7106,940427	4689,264688		18	A	A08b	39047A08b	STWO	38	36	-2	-2	7,859.686	4,412.051	-1.55	-1.7	
6140,664962			39098M27a	EGWO	49	6140,664962	3046,3447		1	M	M27a	39098M27a	EGWO					6,277.225				
6878,326399	4075,773274		39098M27a	STWO	49	6878,326399	2962,522868		127	M	M27a	39098M27a	STWO	45	42	-3	4	6,277.225	3,989.588	-3.65	2.1	
8231,18783	3506,097572		39098M27b	EGWO	49	8231,18783	2940,955326		17	M	M27b	39098M27b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7	
6980,208289	4071,28916		39098M27b	STWO	49	6980,208289	2883,719983		211	M	M27b	39098M27b	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9	
6674,046216	3083,417647		39098M55g	EGWO	49	6674,046216	2772,067954		15	M	M55g	39098M55g	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7	
6748,929978	3992,156913		39098M55g	STWO	48	6748,929978	2782,863024		2	M	M55g	39098M55g	STWO	38	37	-1	10	6,277.225	3,989.588	-1.55	9.7	
6030,051052	4133,339226		39098M55i	STWO	28	6030,051052	4350,689592		66	M	M55i	39098M55i	STWO	34	31	-3	-6	6,277.225	3,989.588	-3.65	-5.5	
4963,414634	3585,643561		39098M58h	STWO	43	4963,414634	2564,54		1	M	M58h	39098M58h	STWO	36	36	0	7	4,694.765	3,567.125	0.55	5.9	
6758,070824	3706,790822		39101M57a	EGWO	49	6758,070824	3247,68168		25	M	M57a	39101M57a	EGWO	43	45	2	6	6,277.225	3,567.125	2.65	5.9	
5446,267859	4035,641057		39101M57a	STWO	40	5446,267859	3254,168531		26	M	M57a	39101M57a	STWO	28	26	-2	12	4,694.765	3,989.588	-1.55	13.5	
6473,292122	3968,149223		39128K44b	STWO	49	6473,292122	2944,818083		20	K	K44b	39128K44b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7	
5737,830733	2875,089649		39128K44e	EGWO	49	5737,830733	2421,1278		2	K	K44e	39128K44e	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7	
6623,426009	4127,03126		39128K44e	STWO	49	6623,426009	3259,35402		55	K	K44e	39128K44e	STWO	41	37	-4	8	6,277.225	3,989.588	-3.65	9.7	
4317,873714	2537,981556		39136F78b	EGWO	38	4317,873714	2447,569799		12	F	F78b	39136F78b	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1	
7052,130948			39144K90i	EGWO	49	7052,130948			4	K	K90i	39144K90i	EGWO	49	48	-1	0	6,277.225		-1.55	-1.7	
6029,126214	3805,337006		39144K90i	STWO	42	6029,126214	3780,970178		1	K	K90i	39144K90i	STWO	41	37	-4	1	6,277.225	3,989.588	-3.65	2.1	
7776,078059	3643,932729		39152E18b	EGWO	49	7776,078059	3541,960908		16	E	E18b	39152E18b	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7	
7160,240044	4326,633509		39152E18b	STWO	49	7168,309764	3421,382562		93	E	E18b	39152E18b	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9	
4084,238925	3761,887778		39160N68c	STWO	6	4084,238925	4184,044341		68	N	N68c	39160N68c	STWO	11	9	-2	-5	4,694.765	3,567.125	-1.55	-5.5	
4574,702731	2589,13665		39160N68f	EGWO	47	4574,702731	2371,873446		33	N	N68f	39160N68f	EGWO	41	43	2	6	4,694.765	2,722.199	2.65	5.9	
3563,1025	3582,538175		39160N68f	STWO	5	3563,1025	3890,265072		66	N	N68f	39160N68f	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7	
4976,302746	3275,895812		39187N65c	EGWO	34	4976,302746	3248,935637		21	N	N65c	39187N65c	EGWO	26	34	8	8	4,694.765	3,144.662	8.95	9.7	
4487,391807	3110,273687		39195N62a	EGWO	32	4487,391807	3081,806295		23	N	N62a	39195N62a	EGWO	31	31	0	1	4,694.765	3,144.662	0.55	2.1	
5096,989817	3350,277099		39209F77f	EGWO	29	5096,989817	3151,709399		28	F	F77f	39209F77f	EGWO	30	34	4	-1	4,694.765	3,144.662	4.75	-1.7	
6869,494144			39233A07h	EGWO	49	6869,494144	3408,8632		2	A	A07h	39233A07h	EGWO	49	49	0	0	6,277.225		0.55	-1.7	
6564,878889	4096,976159		39233A07h	STWO	49	6564,878889	3186,535525		4	A	A07h	39233A07h	STWO	46	43	-3	3	6,277.225	3,989.588	-3.65	2.1	
6948,368475	4242,990382		39268A05a	STWO	41	6948,368475	4145,027581		257	A	A05a	39268A05a	STWO	43	39	-4	-2	6,277.225	4,412.051	-3.65	-1.7	
5797,607826	3766,845069		39268E13a	STWO	49	5797,607826	2753,953398		11	E	E13a	39268E13a	STWO	42	37	-5	7	6,277.225	3,567.125	-5.75	5.9	
7978,003532	5034,078835		39314A06e	STWO	26	7978,003532	5884,917888		125	A	A06e	39314A06e	STWO	37	34	-3	-11	7,859.686	4,834.514	-3.65	-9.3	
7020,716586	4207,675589		39330A02b	STWO	48	7020,716586	3543,949925		4	A	A02b	39330A02b	STWO	49	44	-5	-1	6,277.225	4,412.051	-5.75	-1.7	
7271,629932	4408,133857		39330A02c	STWO	41	7271,629932	4324,007179		42	A	A02c	39330A02c	STWO	44	39	-5	-3	7,859.686	4,412.051	-5.75	-1.7	
7625,061937	3812,105486		39381A06k	EGWO	45	7625,061937	4345,215875		4	A	A06k	39381A06k	EGWO	49	49	0	-4	7,859.686	3,989.588	0.55	-5.5	
7998,230932	4702,589056		39381A06k	STWO	41	7998,230932	4734,939151		167	A	A06k	39381A06k	STWO	44	41	-3	-3	7,859.686	4,834.514	-3.65	-1.7	
7488,920434	3971,793084		39381A06l	EGWO	43	7498,920434	4444,947851		4	A	A06l	39381A06l	EGWO	49	49	0	-6	7,859.686	3,989.588	0.55	-5.5	
8037,656854	4684,940396		39381A06l	STWO	45	8037,656854	4448,391099		82	A	A06l	39381A06l	STWO	45	42	-3	0	7,859.686	4,834.514	-3.65	-1.7	
7396,893837	3209,306138		39403K52g	EGWO	49	7396,893837	2683,070376		10	K	K52g	39403K52g	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7	
7186,524952	4297,606431		39446K44b	STWO	49	7186,524952	3468,373862		157	K	K44b	39446K44b	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9	
7053,262468	4236,393418		39446K44c	STWO	49	7053,262468	3365,34783		214	K	K44c	39446K44c	STWO	42	40	-2	7	6,277.225	4,412.051	-1.55	5.9	
4183,40832	3587,835713		39454F81b	STWO	22	4183,40832	3180,999732		278	F	F81b	39454F81b	STWO	13	12	-1	9	4,694.765	3,567.125	-1.55	9.7	
5833,63185	3945,032988		39462N62b	EGWO	39	5833,63185	3542,786977		8	N	N62b	39462N62b	EGWO	31	33	2	8	6,277.225	3,989.588	2.65	9.7	
6446,545396	4204,013823		39470E13c	STWO	41	6446,545396	3725,198		136	E	E13c	39470E13c	STWO	38	35	-3	3	6,277.225	4,412.051	-3.65	2.1	
7440,641229			39497A07d	EGWO	49	7440,641229	3286,4102		4	A	A07d	39497A07d	EGWO					7,859.686				
6471,865711	4286,561315		39497A07d	STWO	40	6471,865711	4082,608164		106	A	A07d	39497A07d	STWO	41	37	-4	-1	6,277.225	4,412.051	-3.65	-1.7	
7431,968097	3743,095319		39497A07f	EGWO	49	7431,968097	3554,10072		6	A	A07f	39497A07f	EGWO					7,859.686	3,567.125			
7416,905627	4372,789889		39497A07f	STWO	45	7416,905627	4048,105726		265	A	A07f	39497A07f	STWO	45	41	-4	0	7,859.686	4,412.051	-3.65	-1.7	
8068,965517	3513,611179		39497A07h	EGWO	49	8068,965517	3854,6798		1	A	A07h	39497A07h	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7	
8004,512723	4515,634782		39497A07h	STWO	44	8004,512723	4687,462589		24	A	A07h	39497A07h	STWO	46	43	-3	-2	7,859.686	4,412.051	-3.65	-1.7	
8559,408242	3921,991053		39500A07e	EGWO	49	8559,408242	4092,366175		9	A	A07e	39500A07e	EGWO	49	49	0	0	7,859.686	3,989.588	0.55	-1.7	
7301,666279	4456,169228		39500A07e	STWO	38	7301,666279	4564,769211		55	A	A07e	39500A07e	STWO	41	39	-2	-3	7,859.686	4,412.051	-1.55	-1.7	
7112,56843	4189,337011		39500A07f	STWO	49	7112,56843	3195,323708		12	A	A07f	39500A07f	STWO	44	41	-3	5	7,859.686	3,989.588	-3.65	5.9	
6591,489362	3046,183226		39519M56a	EGWO	49	6591,489362	3295,6138		1	M	M56a	39519M56a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7	
6804,948667	3986,668764		39519M56a	STWO	49	6804,948667	2894,240564		51	M	M56a	39519M56a	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9	
7370,79294	3033,884078		39519M56c	EGWO	49	7370,79294	2703,023088		5	M	M56c	39519M56c	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7	
6636,9248	4005,581295		39519M56c	STWO	49	6636,9248	2993,35871		49	M	M56c	39519M56c	STWO	41	40	-1	8	6,277.225	3,989.588	-1.55	9.7	
5125,558313	3094,255838		39535F76a	EGWO	36	5125,558313	3325,381712		2	F	F76a	39535F76a	EGWO	31	36	5	5	4,694.765	3,144.662	4.75	5.9	
3760,245399	3909,001358		39535F76a	STWO	10	3760,245399	3496,444619		30	F	F76a	39535F76a	STWO	5	5	0	5	3,112.304	3,989.588	0.55	5.9	
7658,872042	4515,225543		39543M27a	STWO	49	7658,872042	3722,929714		44	M	M27a	39543M27a	STWO	43	41	-2	6	7,859.686	4,412.051	-1.55	5.9	
6297,395201	3909,837655		39543M27b	STWO	46	6297,395201	3494,94449		235	M	M27b	39543M27b	STWO	39	37	-2	7	6,277.225	3,989.588	-1.55	5.9	
4265,480263	3495,214357		39551N61b	STWO	35	4265,480263	2716,759277		32	N	N61b	39551N61b	STWO	26	18	-8	9	4,694.765	3,567.125	-7.85	9.7	
7103,57357	4358,212582		39578K52a	STWO	49	7103,57357	4457,76516		48	K	K52a	39578K52a	STWO	42	39	-3	7	7,859.686	4,412.051	-3.65	5.9	
3934,542425	2677,022163		39586F83a	EGWO	31	3934,542425	2718,329585		37	F	F83a	39586F83a	EGWO	30	32	2	1	4,694.765	2,722.199	2.65	2.1	
4478,563861	2575,824469		39594N68d	EGWO	48	4478,563861	2331,16212		26	N	N68d	39594N68d	EGWO	44	43	-1	4	4,694.765	2,722.199	-1.55	2.1	
4157,410308	3648,025066		39594N68d	STWO	13	4157,410308	4057,765977		56	N	N68d	39594N68d	STWO	9	11	2	4	4,694.765	3,567.125	2.65	2.1	
3731,10485	3351,812064		39608F78d	STWO	15	3731,10485	3187,953049		52	F	F78d	39608F78d	STWO	14	15	1	1	3,112.304	3,144.662	0.55	2.1	
5462,134372	4144,270657		39616A02c	STWO	46	5462,134372	5124,118967		3	A	A02c	39616A02c	STWO	47	43	-4	-1	4,694.765	3,989.588	-3.65	-1.7	
7665,015447	4568,351894		39616A02d	STWO	43	7665,015447	4769,55472		5	A	A02d	39616A02d	STWO	46	40	-6	-3	7,859.686	4,412.051	-5.75	-1.7	
7258,664142	4259,48011		39624A01g	STWO	33	7587,414684	4760,014751		4	A	A01g	39624A01g	STWO		38			7,859.686	4,412.051			
6082,963522	4397,136577		39632A00b	STWO	27	6082,963522	5260,46055		4	A	A00b	39632A00b	STWO	36	32	-4	-9	6,277.225	4,412.051	-3.65	-9.3	
7513,888889	4373,582666		39667A01f	EGWO	38	7513,888889			1	A	A01f	39667A01f	EGWO	47	49	2	-9	7,859.686	4,412.051	2.65	-9.3	
7513,814626	4322,4496		39667A01f	STWO	41	7513,814626	4394,654711		33	A	A01f	39667A01f	STWO	43	42	-1	-2	7,859.686	4,412.051	-1.55	-1.7	
5292,683942	3862,568967		39675K90a	STWO	27	5292,683942	3873,01383		163	K	K90a	39675K90a	STWO	31	26	-5	-4	4,694.765	3,989.588	-5.75	-5.5	
6754,014985	3506,871378		39683N73b	EGWO	48	6754,014985	3418,189789		22	N	N73b	39683N73b	EGWO	40	47	7	8	6,277.225	3,567.125	6.85	9.7	
3974,917016	2789,066838		39691F83a	EGWO	28	3974,917016	2854,074801		26	F	F83a	39691F83a	EGWO	28	30	2	0	4,694.765	2,722.199	2.65	-1.7	
7053,776471	4227,932815		39713K44a	STWO	49	7053,776471	3338,741269		115	K	K44a	39713K44a	STWO	41	40	-1	8	6,277.225	4,412.051	-1.55	9.7	
6788,020173	4074,151081		39721M29b	STWO	49	6788,020173	3238,250433		219	M	M29b	39721M29b	STWO	41	40	1	8	6,277.225	3,989.588	1.55	9.7	
3722,216687	3495,373488		39756F81a	STWO	6	3722,216687	3545,999936		33	F	F81a	39756F81a	STWO	9	6	-3	-3	3,112.304	3,567.125	-3.65	-1.7	
5296,424285	3850,454514		39764K90a	STWO	32	5296,424285	3608,126623		63	K	K90a	39764K90a	STWO	33	31	-2	-1	4,694.765	3,989.588	-1.55	-1.7	
4132,394658	2751,499842		39772N68d	EGWO	38	4132,394658	2757,70004		16	N	N68d	39772N68d	EGWO	34	36	2	4	4,694.765	2,722.199	2.65	2.1	
4600,038291	3681,238632		39799F89c	STWO	23	4600,038291	3927,718919		47	F	F89c	39799F89c	EGWO	28	22	-6	-5	4,694.765	3,567.125	-5.75	-5.5	
7773,294543	4435,524818		39829E20c	STWO	49	7773,294543	3375,822842		225	E	E20c	39829E20c	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1	
7790,8088	4452,432546		39829E21a	STWO	49	7790,8088	3473,843974		439	E	E21a	39829E21a	STWO	45	43	-2	4	7,859.686	4,412.051	-1.55	2.1	
4661,72619	4029,708492		39837F89b	STWO	14	4661,72619	4542,36107		12	F	F89b	39837F89b	STWO	12	12	0	2	4,694.765	3,989.588	0.55	2.1	
6613,381001	3454,208861		39861M55d	EGWO	49	6613,381001	3576,434792		2	M	M55d	39861M55d	EGWO	49	49	0	0	6,277.225	3,567.125	0.55	-1.7	
6302,336907	3866,540887		39861M55d	STWO	49	6302,336907	2833,17531		74	M	M55d	39861M55d	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7	
5067,616032	4093,104418		39888E37a	STWO	29	5067,616032	3601,65904		122	E	E37a	39888E37a	STWO	22	22	0	7	4,694.765	3,989.588	0.55	5.9	
6128,54499	4016,40826		39888E37d	STWO	49	6128,54499	3021,229667		161	E	E37d	39888E37d	STWO	35	34	-1	14	6,277.225	3,989.588	-1.55	13.5	
6065,987403	4100,410673		39888E37g	STWO	47	6065,987403	3233,700047		108	E	E37g	39888E37g	STWO	33	32	-1	14	6,277.225	3,989.588	-1.55	13.5	

6886,803658	4297,873257	[redacted]	39888E40a	STWO	49	6886,803658	3257,517116	[redacted]	251	E	E40a	39888E40a	STWO	39	38	-1	10	6,277.225	4,412.051	-1.55	9.7
6457,11355	4153,757131		39888E40b	STWO	49	6457,11355	3126,647674		204	E	E40b	39888E40b	STWO	37	36	-1	12	6,277.225	3,989.588	-1.55	13.5
3794,599801	2424,610126		39934F82d	EGWO	41	3816,604465	2230,611784		14	F	F82d	39934F82d	EGWO	34	36	2	7	3,112.304	2,299.736	2.65	5.9
3945,817438	3235,973592		39934F82d	STWO	23	3934,662036	2880,16972		31	F	F82d	39934F82d	STWO	20	18	-2	3	4,694.765	3,144.662	-1.55	2.1
8436,130603	3227,710662		39942K59a	EGWO	49	8933,396412	2444,4938		5	K	K59a	39942K59a	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
5935,415989	3747,413066		39942K59a	STWO	37	5935,415989	3748,996338		16	K	K59a	39942K59a	STWO	40	37	-3	-3	6,277.225	3,567.125	-3.65	-1.7
4230,735142	3568,310339		39969F76b	STWO	8	4230,735142	3980,129257		24	F	F76b	39969F76b	STWO	10	12	2	-2	4,694.765	3,567.125	2.65	-1.7
4169,267716	2721,774324		39977F78b	EGWO	32	4169,267716	2788,816923		30	F	F78b	39977F78b	EGWO	31	33	2	1	4,694.765	2,722.199	2.65	2.1
5505,400395	3815,189837		39993E37c	STWO	44	5505,400395	2854,710162		35	E	E37c	39993E37c	STWO	34	31	-3	10	6,277.225	3,989.588	-3.65	9.7
3775,814944	3742,364612		40002F77c	STWO	9	3775,814944	4263,43442		96	F	F77c	40002F77c	STWO	6	6	0	3	3,112.304	3,567.125	0.55	2.1
4868,358516	2775,727141		40010F85b	EGWO	45	4868,358516	2684,222527		16	F	F85b	40010F85b	EGWO	39	43	4	6	4,694.765	2,722.199	4.75	5.9
4320,00089	2953,418541		40029F78b	EGWO	28	4320,00089	3012,902051		28	F	F78b	40029F78b	EGWO	24	29	5	4	4,694.765	3,144.662	4.75	2.1
4511,310951	2849,609001		40037F86a	EGWO	41	4511,310951	2389,225		10	F	F86a	40037F86a	EGWO	36	37	1	5	4,694.765	2,722.199	0.55	5.9
3741,490845	3543,610434		40037F86a	STWO	21	3741,490845	3846,576141		83	F	F86a	40037F86a	STWO	14	15	1	7	3,112.304	3,567.125	0.55	5.9
5034,538257	3654,44741		40045F86a	STWO	31	5034,538257	3356,070799		107	F	F86a	40045F86a	STWO	24	25	1	7	4,694.765	3,567.125	0.55	5.9
6740,221727	4188,101104		40061K26c	STWO	49	6740,221727	3380,400453		36	K	K26c	40061K26c	STWO	42	38	-4	7	6,277.225	3,989.588	-3.65	5.9
8948,67317	3638,888894		40088K59a	EGWO	49	9094,894004	2677,439613		36	K	K59a	40088K59a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
9828,009774	3570,355591		40118K49a	EGWO	49	9828,009774	2521,523733		9	K	K49a	40118K49a	EGWO	49	49	0	0	9,442.146	3,567.125	0.55	-1.7
6000	4227,173572		40126E42a	STWO	39	6000	3658,593013		9	E	E42a	40126E42a	STWO	33	30	-3	6	6,277.225	4,412.051	-3.65	5.9
7092,435779	4454,051151		40126E42b	STWO	45	7092,435779	3872,533396		13	E	E42b	40126E42b	STWO	39	37	-2	6	7,859.686	4,412.051	-1.55	5.9
6555,122551	4220,602597		40126E42c	STWO	46	6555,122551	3531,793014		29	E	E42c	40126E42c	STWO	38	35	-3	8	6,277.225	4,412.051	-3.65	9.7
6574,763826	4190,656167		40126E42d	STWO	44	6574,763826	3688,901274		48	E	E42d	40126E42d	STWO	38	36	-2	6	6,277.225	3,989.588	-1.55	5.9
6307,544389	3886,611131		40142K90a	STWO	36	6307,544389	3512,677341		62	K	K90a	40142K90a	STWO	32	28	-4	4	6,277.225	3,989.588	-3.65	2.1
4383,341868	2617,038107		40169F82a	EGWO	40	4383,341868	2527,030725		4	F	F82a	40169F82a	EGWO	36	38	2	4	4,694.765	2,722.199	2.65	2.1
9418,610952	3623,995061		40177K47c	EGWO	49	9418,610952	3347,202409		14	K	K47c	40177K47c	EGWO		49			9,442.146	3,567.125		
7833,573018	4246,025119		40177K47c	STWO		7833,573018	2808,759992		85	K	K47c	40177K47c	STWO					7,859.686	4,412.051		
9156,98112	3583,328218		40177K47d	EGWO	49	9156,98112	3169,900652		25	K	K47d	40177K47d	EGWO					9,442.146	3,567.125		
7774,958003	4114,9583		40177K47d	STWO		7774,958003	2603,279992		198	K	K47d	40177K47d	STWO					7,859.686	3,989.588		
7759,491934	4097,312087		40185A06a	EGWO	40	7759,491934	4838,835356		3	A	A06a	40185A06a	EGWO	47	48	1	-7	7,859.686	3,989.588	0.55	-5.5
7794,836694	4704,677418		40185A06a	STWO	38	7794,836694	4890,205512		119	A	A06a	40185A06a	STWO	43	40	-3	-5	7,859.686	4,834.514	-3.65	-5.5
4515,151515	2621,395029		40193F89c	EGWO	45	4515,151515	2300,812899		3	F	F89c	40193F89c	EGWO	39	42	3	6	4,694.765	2,722.199	2.65	5.9
4539,460726	3510,364959		40215F86a	STWO	31	4539,460726	3108,941417		107	F	F86a	40215F86a	STWO	24	23	-1	7	4,694.765	3,567.125	-1.55	5.9
5590,876432	3937,996647		40223E37c	STWO	44	5590,876432	3034,444533		50	E	E37c	40223E37c	STWO	32	29	-3	12	6,277.225	3,989.588	-3.65	13.5
4290,677768	3456,573266		40223E39d	STWO	28	4290,677768	3151,9724		25	E	E39d	40223E39d	STWO	26	25	-1	2	4,694.765	3,567.125	-1.55	2.1
6006,578947			40258N60a	EGWO	39	6006,578947			1	N	N60a	40258N60a	EGWO	32	34	2	7	6,277.225		2.65	5.9
4362,962963	3332,050475		40258N60a	STWO	37	4362,962963	2201,94		1	N	N60a	40258N60a	STWO	27	27	0	10	4,694.765	3,144.662	0.55	9.7
5305,555556	2756,327824		40258N60b	EGWO	43	5305,555556	2567,01288		4	N	N60b	40258N60b	EGWO	43	41	-2	0	4,694.765	2,722.199	-1.55	-1.7
5483,067096	2999,788208		40258N60c	EGWO	43	5483,067096	2960,432405		5	N	N60c	40258N60c	EGWO	38	41	3	5	4,694.765	3,144.662	2.65	5.9
4921,003236	3728,918688		40258N60c	STWO	36	4921,003236	3115,151313		92	N	N60c	40258N60c	STWO	24	23	-1	12	4,694.765	3,567.125	-1.55	13.5
4670,822716	3890,177164		40266F85c	STWO	10	4670,822716	4284,782448		36	F	F85c	40266F85c	STWO	14	16	2	-4	4,694.765	3,989.588	2.65	-5.5
6742,849707	4186,082408		40274K52d	STWO	49	6742,849707	3423,097781		24	K	K52d	40274K52d	STWO	38	37	-1	11	6,277.225	3,989.588	-1.55	9.7
3297,495301	3090,493659		40282N66f	STWO	9	3297,495301	2996,948405		80	N	N66f	40282N66f	STWO	8	7	-1	1	3,112.304	3,144.662	-1.55	2.1
6121,25906	3940,56182		40290E75a	STWO	49	6121,25906	3094,254932		91	E	E75a	40290E75a	STWO	37	35	-2	12	6,277.225	3,989.588	-1.55	13.5
5863,618662	3819,264453		40290E75b	STWO	48	5863,618662	2930,188117		82	E	E75b	40290E75b	STWO	36	35	-1	12	6,277.225	3,989.588	-1.55	13.5
5615,396607	3850,576492		40290E75c	STWO	45	5615,396607	3108,774444		16	E	E75c	40290E75c	STWO	35	32	-3	10	6,277.225	3,989.588	-3.65	9.7
6254,197626	3985,139621		40290E75d	STWO	44	6254,197626	3518,802036		40	E	E75d	40290E75d	STWO	39	37	-2	5	6,277.225	3,989.588	-1.55	5.9
6325,116958	4970,729783		40312A09c	EGWO		8085,227273	6024,6651		2	A	A09c	40312A09c	EGWO					6,277.225	4,834.514		
6659,209094	4369,301498		40312A09c	STWO	32	6659,209094	4753,872318		80	A	A09c	40312A09c	STWO	39	37	-2	-7	6,277.225	4,412.051	-1.55	-5.5
10000	3685,574678		40339K48f	EGWO	49	10000	2375,9766		1	K	K48f	40339K48f	EGWO		49			9,442.146	3,567.125		
7080,04402	4187,334193		40339K48f	STWO	49	7080,04402	3321,651873		31	K	K48f	40339K48f	STWO	44	41	-3	5	7,859.686	3,989.588	-3.65	5.9
7220,289822	4294,773176		40347K44b	STWO	49	7220,289822	3479,320917		243	K	K44b	40347K44b	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
7250,276018	4322,289501		40347K44c	STWO	49	7250,276018	3461,04568		166	K	K44c	40347K44c	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
5566,666667	4147,089371		40363N62b	EGWO	42	5566,666667	3900,633466		1	N	N62b	40363N62b	EGWO	36	38	2	6	6,277.225	3,989.588	2.65	5.9
5994,326764	3824,66692		40371N62b	EGWO	40	6067,801084	3633,56555		14	N	N62b	40371N62b	EGWO	34	36	2	6	6,277.225	3,989.588	2.65	5.9
4217,286418	2633,54272		40398F82b	EGWO	41	4217,286418	2470,809476		24	F	F82b	40398F82b	EGWO	35	37	2	6	4,694.765	2,722.199	2.65	5.9
4286,524209	3514,127935		40398F82b	STWO	23	4286,524209	3144,574051		108	F	F82b	40398F82b	STWO	21	19	-2	2	4,694.765	3,567.125	-1.55	2.1
3794,013341	3344,733327		40398F82c	STWO	11	3801,394954	3382,358705		224	F	F82c	40398F82c	STWO	13	12	-1	-2	3,112.304	3,144.662	-1.55	-1.7
7356,590845	4424,505054		40428A02c	STWO	41	7356,590845	4409,133326		44	A	A02c	40428A02c	STWO	44	40	-4	-3	7,859.686	4,412.051	-3.65	-1.7
6999,299534	4456,261109		40436E13d	STWO	45	6999,299534	3716,013704		58	E	E13d	40436E13d	STWO	39	36	-3	6	6,277.225	4,412.051	-3.65	5.9
6806,78102	4158,325082		40444K44d	STWO	49	6806,78102	3229,594132		122	K	K44d	40444K44d	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
5372,77871	3999,101401		40452E39c	STWO	28	5372,77871	4243,281145		78	E	E39c	40452E39c	STWO		25			4,694.765	3,989.588		
7802,017895	4213,370001		40460K47f	STWO	49	7802,017895	2706,776548		105	K	K47f	40460K47f	STWO	49	47	-2	0	7,859.686	4,412.051	-1.55	-1.7
6954,578281	4400,996508		40509E16a	STWO	48	6954,578281	3603,311765		86	E	E16a	40509E16a	STWO	39	37	-2	9	6,277.225	4,412.051	-1.55	9.7
7534,734871	4123,359291		40509E16c	STWO	45	7534,734871	4032,99213		3	E	E16c	40509E16c	STWO	41	40	-1	4	7,859.686	3,989.588	-1.55	2.1
5389,685508	3744,580364		40517M57a	STWO	45	5467,38984	2974,728457		16	M	M57a	40517M57a	STWO	31	31	0	14	4,694.765	3,567.125	0.55	13.5
6573,634498	4334,718087		40533E13d	STWO	44	6573,634498	3668,191931		46	E	E13d	40533E13d	STWO	37	34	-3	7	6,277.225	4,412.051	-3.65	5.9
7370,967742	4283,035081		40541E13f	STWO	49	7370,967742	3685,885737		1	E	E13f	40541E13f	STWO	41	38	-3	8	7,859.686	4,412.051	-3.65	9.7
6615,271734	4337,015914		40568E13d	STWO	43	6615,271734	3754,243814		136	E	E13d	40568E13d	STWO	37	34	-3	6	6,277.225	4,412.051	-3.65	5.9
6888,995284	4184,599832		40568E13f	STWO	49	6888,995284	3420,871737		132	E	E13f	40568E13f	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
5534,660633	2741,505809		40576M55d	EGWO	49	5534,660633	2700,2313		2	M	M55d	40576M55d	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6449,947102	3891,32235		40576M55d	STWO	49	6449,947102	2831,829848		126	M	M55d	40576M55d	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
7019,626931	4243,806445		40584N61c	EGWO	47	7019,626931	3703,736673		42	N	N61c	40584N61c	EGWO	38	39	1	9	6,277.225	4,412.051	0.55	9.7
6607,257594	3541,429408		40592A04h	EGWO	37	6607,257594	4180,716664		7	A	A04h	40592A04h	EGWO	45	47	2	-8	6,277.225	3,567.125	2.65	-9.3
7666,341066	4624,778206		40592A04h	STWO	40	7666,341066	5043,409261		3	A	A04h	40592A04h	STWO	42	39	-3	-2	7,859.686	4,834.514	-3.65	-1.7
7803,222644	3408,71497		40606A05d	EGWO	49	7803,222644	3848,132661		8	A	A05d	40606A05d	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7
7091,834074	4305,515413		40606A05d	STWO	38	7091,834074	4409,600653		15	A	A05d	40606A05d	STWO	44	39	-5	-6	7,859.686	4,412.051	-5.75	-5.5
4151,040164	3022,745432		40614T98a	EGWO	23	4185,860691	3147,12748		58	T	T98a	40614T98a	EGWO	21	24	3	2	4,694.765	3,144.662	2.65	2.1
12327,7512	5479,839486		40622E22a	EGWO		12327,7512	4425,31		2	E	E22a	40622E22a	EGWO					12,607.067	5,679.44		
7369,439183	4043,882427		40622E22a	STWO	49	8448,360397	4202,169311		9	E	E22a	40622E22a	STWO			45		7,859.686	3,989.588		
6770,567925	3417,296794		40630A04h	EGWO	42	6770,567925	4046,638962		2	A	A04h	40630A04h	EGWO	48	49	1	-6	6,277.225	3,567.125	0.55	-5.5
7327,822289	4460,294919		40630A04h	STWO	35	7327,822289	4729,418656		31	A	A04h	40630A04h	STWO	42	39	-3	-7	7,859.686	4,412.051	-3.65	-5.5
4064,975957	3614,631758		40649N68c	STWO	13	4064,975957	3717,504424		85	N	N68c	40649N68c	STWO	14	11	-3	-1	4,694.765	3,567.125	-3.65	-1.7
7447,719788	4374,681646		40657M29a	STWO	48	7447,719788	3719,258647		98	M	M29a	40657M29a	STWO	43	40	-3	5	7,859.686	4,412.051	-3.65	5.9
6536,013353	4106,545593		40657M31a	STWO	47	6545,099713	3472,565635		77	M	M31a	40657M31a	STWO	39	37	-2	8	6,277.225	3,989.588	-1.55	9.7
5375,286175	3780,543899		40657M32a	STWO	32	5375,286175	3744,369335		119	M	M32a	40657M32a	STWO	32	29	-3	0	4,694.765	3,989.588	-3.65	-1.7
6833,227417	3228,545131		40657M32c	EGWO	49	6833,227417	2816,981927		10	M	M32c	40657M32c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5107,714409	3604,947697		40657M32c	STWO	30	5107,714409	3577,835683		54	M	M32c	40657M32c	STWO	33	29	-4	-3	4,694.765	3,567.125	-3.65	-1.7
5263,476556			40665M33h	STWO	18	5263,476556			388	M	M33h	40665M33h	STWO	26	22	-4	-8	4,694.765		-3.65	-9.3
5750,9754	3807,629492		40665M33j	STWO	38	5750,9754	3653,000711		176	M	M33j	40665M33j	STWO	38	34	-4	0	6,277.225	3,989.588	-3.65	-1.7
5578,715638	3851,972084		40673A09f	STWO	31	5578,715638	3982,819089		7	A	A09f	40673A09f	STWO	35	30	-5	-4	6,277.225	3,989.588	-5.75	-5.5
5908,412317	3047,200132		40673M33k	EGWO		5908,412317	2630,319236		3	M	M33k	40673M33k	EGWO					6,277.225	3,144.662		
5201,978544	3724,0852		40673M33k	STWO	32	5201,978544	3572,217485		25	M	M33k	40673M33k	STWO	26	29	3	6	4,694.765	3,567.125	2.65	5.9
6203,389831	2994,523428		40703A09h	EGWO		6203,389831	2784,0668		2	A	A09h	40703A09h	EGWO					6,277.225	3,144.662		
5877,77	3849,715914		40703A09h	STWO	45	5877,77	3067,46392		42	A	A09h	40703A09h	STWO	36	34	-2	9	6,277.225	3,989.588	-1.55	9.7
7059,036945	4537,650964		40711A00a	STWO	25	7059,036945	5259,236243		156	A	A00a	40711A00a	STWO	39	35	-4	-14	6,277.225	4,412.051	-3.65	-13.1
7293,333333	4286,07145		40711A00c	EGWO	35	7293,333333	5009,183907		1	A	A00c	40711A00c	EGWO	44	47	3	-9	7,859.686	4,412.051	2.65	-9.3
6840,295521	4494,745642		40711A00c	STWO	26	6840,295521	5110,783297		57	A	A00c	40711A00c	STWO	38	34	-4	-12	6,277.225	4,412.051	-3.65	-13.1
4734,865391	3669,663223		40738K90c	STWO	22	4734,865391	3672,468424		86	K	K90c	40738K90c	STWO	29	22	-7	-7	4,694.765	3,567.125	-7.85	-5.5
7074,603288	4229,504779		40746K45a	STWO	49	7074,603288	3291,93717		95	K	K45a	40746K45a	STWO	42	40	-2	7	7,859.686	4,412.051	-1.55	5.9
6761,292691	4177,507125		40746K45b	STWO	49	6761,292691	3288,38497		89	K	K45b	40746K45b	STWO	40	38	-2	9	6,277.225	3,989.588	-1.55	9.7
9609,271523	4096,021379		40762A07d	EGWO	49	9609,271523	4466,168079		1	A	A07d	40762A07d	EGWO					9,442.146	3,989.588		
7744,995822	4681,562151		40762A07d	STWO	36	7744,995822	5114,117968		47	A	A07d	40762A07d	STWO	43	39	-4	-7	7,859.686	4,834.514	-3.65	-5.5
3738,444719	3306,759735		40797N69l	STWO	10	3738,444719	3389,171513		52	N	N69l	40797N69l	STWO	11	10	1	1	3,112.304	3,144.662	1.55	1.7
7686,447338	4203,471084		40819E21b	STWO	49	7686,447338	2994,649587		273	E	E21b	40819E21b	STWO	47	45	-2	2	7,859.686	4,412.051	-1.55	2.1
6206,29339	3992,051238		40843K54c	STWO	48	6206,29339	3215,406186		70	K	K54c	40843K54c	STWO	39	35	-4	9	6,277.225	3,989.588	-3.65	9.7
5059,181056	3501,582129		40894N65b	EGWO	32	5059,181056	3420,88875		31	N	N65b	40894N65b	EGWO	26	31	5	6	4,694.765	3,567.125	4.75	5.9
7000,048479	4038,287653		40916K52b	STWO	49	7000,048479	2949,976314		92	K	K52b	40916K52b	STWO	44	42	-2	5	6,277.225	3,989.588	-1.55	5.9
7599,034591	4258,477452		40932A05d	STWO	48	7599,034591	3543,163666		9	A	A05d	40932A05d	STWO	45	44	-1	3	7,859.686	4,412.051	-1.55	2.1
7158,780693	4291,889125		40932E13a	STWO	49	7158,780693	3623,609149		53	E	E13a	40932E13a	STWO	43	40	-3	6	7,859.686	4,412.051	-3.65	5.9
6706,357731	4213,356863		40940E13a	STWO	48	6706,357731	3498,37445		28	E	E13a	40940E13a	STWO	42	37	-5	6	6,277.225	4,412.051	-5.75	5.9
6571,073587	4376,245893		40959A01e	STWO	27	6571,073587	5100,954328		29	A	A01e	40959A01e	STWO	37	32	-5	-10	6,277.225	4,412.051	-5.75	-9.3
5532,577553	3515,043415		40967N63a	EGWO	40	5532,577553	3300,812597		12	N	N63a	40967N63a	EGWO	36	36	0	4	6,277.225	3,567.125	0.55	2.1
5271,36788	3880,041041		40975K90c	STWO	28	5271,36788	3761,85006		89	K	K90c	40975K90c	STWO	30	26	-4	-2	4,694.765	3,989.588	-3.65	-1.7
5344,249929	3159,725911		40983N66c	EGWO	34	5344,249929	3380,919255		62	N	N66c	40983N66c	EGWO	34	37	3	0	4,694.765	3,144.662	2.65	-1.7
4240,774324	3570,826202	[redacted]	40983N66c	STWO	28	4240,774324	3569,947092	[redacted]	6	N	N66c	40983N66c	STWO	14	16	2	14	4,694.765	3,567.125	2.65	13.5

5424,337003	3435,575495	[redacted]	40983N66d	EGWO	31	5424,337003	3758,836582	[redacted]	72	N	N66d	40983N66d	EGWO	34	34	0	-3	4,694.765	3,567.125	0.55	-1.7
4531,823745	3447,028768		40983N66d	STWO	13	4531,823745	2708,73557		2	N	N66d	40983N66d	STWO	17	14	-3	-4	4,694.765	3,567.125	-3.65	-5.5
7345,3275	4185,291303		41033K52h	STWO	48	7345,3275	3849,582716		58	K	K52h	41033K52h	STWO	46	44	-2	2	7,859.686	3,989.588	-1.55	2.1
9362,045672	4109,739355		41033K54c	EGWO	49	9469,92945	3473,730289		9	K	K54c	41033K54c	EGWO		49			9,442.146	3,989.588		
7496,062992	3867,231026		41033K54e	EGWO		7496,062992	4569,77		1	K	K54e	41033K54e	EGWO					7,859.686	3,989.588		
5710,140194	3644,211988		41041F84c	EGWO	34	5710,140194	3742,955034		28	F	F84c	41041F84c	EGWO	33	36	3	1	6,277.225	3,567.125	2.65	2.1
6272,727273	3583,460591		41092M34c	EGWO		6272,727273	3185,19		1	M	M34c	41092M34c	EGWO					6,277.225	3,567.125		
2561,765994			41092M34d	STWO		2561,765994			53	M	M34d	41092M34d	STWO					3,112.304			
8286,27451	4709,078885		41149N73h	EGWO	45	8286,27451	4760,293804		2	N	N73h	41149N73h	EGWO	43	45	2	2	7,859.686	4,834.514	2.65	2.1
7155,371874	4158,886924		41165N62b	EGWO	46	7155,371874	3890,610273		25	N	N62b	41165N62b	EGWO	40	42	2	6	7,859.686	3,989.588	2.65	5.9
7431,026145	4361,79258		41289A04h	STWO	44	7431,026145	4144,768606		31	A	A04h	41289A04h	STWO	43	41	-2	1	7,859.686	4,412.051	-1.55	2.1
4815,82185	2606,270263		41297N61b	EGWO	46	4815,82185	2272,95514		2	N	N61b	41297N61b	EGWO	40	43	3	6	4,694.765	2,722.199	2.65	5.9
5208,087776	3811,329611		41297N61b	EGWO	40	5208,087776	3081,146906		58	N	N61b	41297N61b	STWO	27	26	-1	13	4,694.765	3,989.588	-1.55	13.5
3345,18084	2413,464727		41319T94i	EGWO	28	3345,18084	2412,256089		36	T	T94i	41319T94i	EGWO	29	28	-1	-1	3,112.304	2,299.736	-1.55	-1.7
3613,710636	3362,546867		41319T94i	STWO	7	3613,710636	3698,628568		9	T	T94i	41319T94i	STWO	8	8	0	-1	3,112.304	3,567.125	0.55	-1.7
4129,493359	2745,878852		41319T94j	EGWO	25	4118,999275	3516,620891		3	T	T94j	41319T94j	EGWO	26	29	3	-1	4,694.765	2,722.199	2.65	-1.7
3264,778159	2412,683003		41319T94k	EGWO	28	3264,778159	2364,413156		19	T	T94k	41319T94k	EGWO	26	26	0	2	3,112.304	2,299.736	0.55	2.1
4061,062521	3553,82116		41319T94k	STWO	5	4061,062521	3943,390118		22	T	T94k	41319T94k	STWO	5	12	7	0	4,694.765	3,567.125	6.85	-1.7
6344,444444	3853,100983		41335F11d	STWO		6344,444444	2401,38		1	F	F11d	41335F11d	STWO					6,277.225	3,989.588		
3995,144462	3608,000058		41440T93b	STWO	5	3995,144462	4282,95589		155	T	T93b	41440T93b	STWO	5	6	1	0	4,694.765	3,567.125	0.55	-1.7
3680,669577	3643,052224		41483T93b	STWO	5	3680,669577	4182,40817		80	T	T93b	41483T93b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
4019,607843	2962,754622		41491F11a	EGWO		4019,607843	3350,28		2	F	F11a	41491F11a	EGWO					4,694.765	3,144.662		
8481,481481			41572A09i	EGWO	41	8481,481481			1	A	A09i	41572A09i	EGWO		48			7,859.686			
6841,792826	3954,941081		41572A09i	STWO	37	6841,792826	3516,907095		165	A	A09i	41572A09i	STWO	38	36	-2	-1	6,277.225	3,989.588	-1.55	-1.7
6378,926996	4556,837758		41610T93f	STWO	6	6378,926996	4153,813928		357	T	T93f	41610T93f	STWO		5			6,277.225	4,412.051		
4765,108913	2691,093604		41629N74c	EGWO	48	4765,108913	2455,784536		55	N	N74c	41629N74c	EGWO	42	43	1	6	4,694.765	2,722.199	0.55	5.9
3741,97253	2622,644733		41645T94j	EGWO	25	3745,303205	2551,01873		510	T	T94j	41645T94j	EGWO	26	29	3	-1	3,112.304	2,722.199	2.65	-1.7
4394,853368	3983,211566		41645T94j	STWO	6	4394,853368	3475,2374		3	T	T94j	41645T94j	STWO	5	6	1	1	4,694.765	3,989.588	0.55	2.1
3457,142857	2394,559445		41688T94b	EGWO	31	3457,142857	2390,44		6	T	T94b	41688T94b	EGWO	26	31	5	5	3,112.304	2,299.736	4.75	5.9
3602,455757	3205,518491		41688T94b	STWO	12	3602,455757	2475,965447		2	T	T94b	41688T94b	STWO	8	6	-2	4	3,112.304	3,144.662	-1.55	2.1
3772,190288	2840,363797		41750T98a	EGWO	22	3772,190288	2926,099364		24	T	T98a	41750T98a	EGWO	21	24	3	1	3,112.304	2,722.199	2.65	2.1
3527,960801	2529,875357		41815T93i	EGWO	26	3552,678605	2556,509384		74	T	T93i	41815T93i	EGWO	21	27	6	5	3,112.304	2,722.199	6.85	5.9
3311,407407			41858N74b	STWO		3311,407407			135	N	N74b	41858N74b	STWO					3,112.304			
4716,666667	2930,560533		41866T98a	EGWO	25	4716,666667	3533,61		1	T	T98a	41866T98a	EGWO	24	27	3	1	4,694.765	2,722.199	2.65	2.1
4116,54532	3523,824297		41866T98a	STWO	19	4116,54532	3523,297718		9	T	T98a	41866T98a	STWO	18	14	-4	1	4,694.765	3,567.125	-3.65	2.1
5821,710683	3287,61337		41912N67a	EGWO	41	5821,710683	3307,507935		137	N	N67a	41912N67a	EGWO	39	43	4	2	6,277.225	3,144.662	4.75	2.1
3520,642755	2679,300822		41920T94k	EGWO	23	3520,642755	2716,776561		593	T	T94k	41920T94k	EGWO	21	24	3	2	3,112.304	2,722.199	2.65	2.1
3942,676768	3785,894849		41920T94k	STWO	6	3942,676768	3303,253333		3	T	T94k	41920T94k	STWO	5	12	7	1	4,694.765	3,989.588	6.85	2.1
3164,943059	2649,083267		41947T94e	EGWO	14	3164,943059	2786,299054		380	T	T94e	41947T94e	EGWO	14	18	4	0	3,112.304	2,722.199	4.75	-1.7
2539,077918	3145,333261		41963T94d	STWO	5	2539,077918	2915,34023		218	T	T94d	41963T94d	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
4386,093087	3106,944533		42005T98a	EGWO	27	4386,093087	3176,522549		25	T	T98a	42005T98a	EGWO	25	29	4	2	4,694.765	3,144.662	4.75	2.1
4848,599946	2906,66181		42013N69c	EGWO	44	4848,599946	2795,402564		39	N	N69c	42013N69c	EGWO	35	41	6	9	4,694.765	2,722.199	6.85	9.7
3527,812659	3229,894936		42013N69c	STWO	12	3527,812659	3180,91742		640	N	N69c	42013N69c	STWO	13	11	-2	-1	3,112.304	3,144.662	-1.55	-1.7
2017,493402			42188F11f	STWO		2017,493402			135	F	F11f	42188F11f	STWO					1,529.844			
4491,888682	3436,121417		42218N69j	STWO	22	4491,888682	3509,084938		34	N	N69j	42218N69j	STWO	21	24	3	1	4,694.765	3,567.125	2.65	2.1
1956,521739	3217,826459		42315F11d	STWO		1956,521739	3321,63		1	F	F11d	42315F11d	STWO					1,529.844	3,144.662		
6834,979926	4187,579325		42382N67a	EGWO	34	6834,979926	4415,029757		27	N	N67a	42382N67a	EGWO	35	38	3	-1	6,277.225	3,989.588	2.65	-1.7
3624,842357	2790,684885		42439T98a	EGWO	21	3624,842357	2869,860604		36	T	T98a	42439T98a	EGWO	19	23	4	2	3,112.304	2,722.199	4.75	2.1
3794,732819	2885,165893		42463T98a	EGWO	24	3794,732819	2893,026127		23	T	T98a	42463T98a	EGWO	21	25	4	3	3,112.304	2,722.199	4.75	2.1
6791,575092	3427,715795		42536N73h	EGWO	45	6791,575092	3531,496997		2	N	N73h	42536N73h	EGWO	43	45	2	2	6,277.225	3,567.125	2.65	2.1
3791,599797	2576,277338		42544T98a	EGWO	29	3791,599797	2680,056387		61	T	T98a	42544T98a	EGWO	29	32	3	0	3,112.304	2,722.199	2.65	-1.7
4013,157895	3412,886847		42544T98a	STWO	24	4013,157895	2647,38		2	T	T98a	42544T98a	STWO	17	19	2	7	4,694.765	3,567.125	2.65	5.9
5410,526316	3838,505644		42552N68a	EGWO		5410,526316	4393,71		1	N	N68a	42552N68a	EGWO					4,694.765	3,989.588		
7590,875576			42579K44d	EGWO	49	7590,875576	3316,924107		2	K	K44d	42579K44d	EGWO	49	49	0	0	7,859.686		0.55	-1.7
6727,664286	4108,776873		42579K44d	STWO	49	6727,664286	3182,046597		146	K	K44d	42579K44d	STWO	42	39	-3	7	6,277.225	3,989.588	-3.65	5.9
7016,129032	3800,686064		42579K44f	EGWO		7016,129032	4603,83		1	K	K44f	42579K44f	EGWO					6,277.225	3,989.588		
3306,285527	3623,842382		42641T93f	STWO	5	3306,285527	3415,485697		136	T	T93f	42641T93f	STWO		5			3,112.304	3,567.125		
3872,028455	2670,22529		42692T93b	EGWO	24	3872,028455	2948,620245		33	T	T93b	42692T93b	EGWO	24	32	8	0	3,112.304	2,722.199	8.95	-1.7
3839,584864	3319,892709		42692T93b	STWO	10	3839,584864	3278,297846		8	T	T93b	42692T93b	STWO	11	11	0	-1	3,112.304	3,144.662	0.55	-1.7
3568,023982	2646,554539		42706T93b	EGWO	19	3568,023982	2884,605272		21	T	T93b	42706T93b	EGWO	23	26	3	-4	3,112.304	2,722.199	2.65	-5.5
4769,006288	4060,465127		42838A09b	STWO	27	4769,006288	4694,563364		187	A	A09b	42838A09b	STWO	32	29	-3	-5	4,694.765	3,989.588	-3.65	-5.5
4961,387555	3560,027441		42854A09b	STWO	28	4961,387555	3531,54719		98	A	A09b	42854A09b	STWO	33	28	-5	-5	4,694.765	3,567.125	-5.75	-5.5
5331,017225	3727,203889		42870A09b	STWO	29	5331,017225	3801,950946		44	A	A09b	42870A09b	STWO	32	30	-2	-3	4,694.765	3,567.125	-1.55	-1.7
3281,317031	3314,383142		43087T94j	STWO	6	3281,317031	3426,852043		400	T	T94j	43087T94j	STWO	5	6	1	1	3,112.304	3,144.662	0.55	2.1
4805,666504	2884,111616		43095N70b	EGWO	43	4805,666504	2755,981726		8	N	N70b	43095N70b	EGWO	40	40	0	3	4,694.765	2,722.199	0.55	2.1
4781,704733	2738,136723		43109N70b	EGWO	49	4781,704733	2457,811239		21	N	N70b	43109N70b	EGWO	43	43	0	6	4,694.765	2,722.199	0.55	5.9
5206,349206	3939,607852		43109N70b	STWO	28	5206,349206	3790,738006		2	N	N70b	43109N70b	STWO	18	21	3	10	4,694.765	3,989.588	2.65	9.7
3739,620899	3379,512571		43168T94b	STWO	7	3739,620899	3587,317241		24	T	T94b	43168T94b	STWO	7	10	3	0	3,112.304	3,567.125	2.65	-1.7
5058,453763	3809,930811		43281A09b	STWO	28	5058,453763	3795,004139		126	A	A09b	43281A09b	STWO	33	28	-5	-5	4,694.765	3,989.588	-5.75	-5.5
5203,128514	3740,958475		43303A09b	STWO	27	5203,128514	3793,296442		81	A	A09b	43303A09b	STWO	30	28	-2	-3	4,694.765	3,567.125	-1.55	-1.7
5336,310266	3720,31378		43311A09b	STWO	28	5336,310266	3864,247032		58	A	A09b	43311A09b	STWO	32	30	-2	-4	4,694.765	3,567.125	-1.55	-5.5
3876,995444	3575,807169		43338N70c	STWO	5	3876,995444	3861,83811		128	N	N70c	43338N70c	STWO	9	8	-1	-4	3,112.304	3,567.125	-1.55	-5.5
4612,13246	2706,992316		43338N70d	EGWO	45	4612,13246	2534,164863		17	N	N70d	43338N70d	EGWO	38	41	3	7	4,694.765	2,722.199	2.65	5.9
3662,062253	3484,89311		43346N70c	STWO	5	3662,062253	3723,653365		104	N	N70c	43346N70c	STWO	7	8	1	-2	3,112.304	3,567.125	0.55	-1.7
3816,702182	3552,386329		43354N70c	STWO	5	3816,702182	3816,259777		64	N	N70c	43354N70c	STWO	11	9	-2	-6	3,112.304	3,567.125	-1.55	-5.5
3817,737218	3522,198744		43362N70c	STWO	5	3817,737218	3748,628136		136	N	N70c	43362N70c	STWO	11	8	-3	-6	3,112.304	3,567.125	-3.65	-5.5
3613,548858	3464,087848		43370N70c	STWO	5	3613,548858	3689,968685		96	N	N70c	43370N70c	STWO	10	8	-2	-5	3,112.304	3,567.125	-1.55	-5.5
3903,100953	3569,82206		43389N70c	STWO	5	3903,100953	3829,779784		64	N	N70c	43389N70c	STWO	10	9	-1	-5	3,112.304	3,567.125	-1.55	-5.5
4781,447503	2861,643981		43400N70d	EGWO	44	4781,447503	2684,869905		5	N	N70d	43400N70d	EGWO	36	40	4	8	4,694.765	2,722.199	4.75	9.7
3714,959444	2557,315928		43419N70d	EGWO	38	3714,959444	2524,178549		25	N	N70d	43419N70d	EGWO	36	35	-1	2	3,112.304	2,722.199	-1.55	2.1
3669,360566	3578,652944		43478N70d	STWO	5	3669,360566	3881,840925		71	N	N70d	43478N70d	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
3677,025814	3558,121948		43486N70d	STWO	5	3677,025814	3852,812269		113	N	N70d	43486N70d	STWO	8	6	-2	-3	3,112.304	3,567.125	-1.55	-1.7
3596,485215	3467,129828		43494N70d	STWO	5	3596,485215	3682,424656		87	N	N70d	43494N70d	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
3674,326338	3562,37232		43508N70d	STWO	5	3674,326338	3862,302711		105	N	N70d	43508N70d	STWO	7	6	-1	-2	3,112.304	3,567.125	-1.55	-1.7
3530,385203	3453,327276		43516N70d	STWO	5	3530,385203	3679,521611		87	N	N70d	43516N70d	STWO	7	6	-1	-2	3,112.304	3,567.125	-1.55	-1.7
3544,80558	3431,510776		43524N70d	STWO	5	3544,80558	3813,968208		72	N	N70d	43524N70d	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
3628,23113	3473,92755		43532N70d	STWO	5	3628,23113	3667,910956		87	N	N70d	43532N70d	STWO	8	6	-2	-3	3,112.304	3,567.125	-1.55	-1.7
4866,690437	2773,773354		43540N70d	EGWO	46	4866,690437	2605,875347		28	N	N70d	43540N70d	EGWO	41	43	2	5	4,694.765	2,722.199	2.65	5.9
6636,792453	3681,997052		43559N70c	EGWO		6636,792453	3499,455257		2	N	N70c	43559N70c	EGWO					6,277.225	3,567.125		
3653,061224			43656T95b	EGWO		3653,061224			1	T	T95b	43656T95b	EGWO					3,112.304			
3376,785714	3140,879189		43664T95a	STWO	5	3376,785714	2295,875		2	T	T95a	43664T95a	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
3122,892421	3382,210824		43788T96b	STWO	5	3122,892421	3684,180226		193	T	T96b	43788T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3127,446306	3394,960786		43796T96b	STWO	5	3127,446306	3710,357823		167	T	T96b	43796T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3123,646236	3386,605506		43877T96b	STWO	5	3123,646236	3704,343623		184	T	T96b	43877T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3114,377784	3376,822542		43885T96b	STWO	5	3114,377784	3688,160452		80	T	T96b	43885T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3116,357897	3399,140015		43893T96b	STWO	5	3116,357897	3717,75288		144	T	T96b	43893T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3126,010666	3365,125727		43923T96b	STWO	5	3126,010666	3656,24231		104	T	T96b	43923T96b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3107,144085	3333,70674		43931T96b	STWO	5	3107,144085	3610,91509		64	T	T96b	43931T96b	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
6510,012948	4069,619942		43966A01e	STWO	37	6510,012948	3740,551081		9	A	A01e	43966A01e	STWO	41	37	-4	-4	6,277.225	3,989.588	-3.65	-5.5
6828,638685	4136,133978		43982A00a	STWO	35	6828,638685	3664,530018		8	A	A00a	43982A00a	STWO	43	39	-4	-8	6,277.225	3,989.588	-3.65	-9.3
6168,740741	3527,608829		44008A01e	EGWO	33	6168,740741	4427,959266		2	A	A01e	44008A01e	EGWO	42	44	2	-9	6,277.225	3,567.125	2.65	-9.3
3728,150595	3593,903998		44024T94j	STWO	6	3728,150595	3667,289448		429	T	T94j	44024T94j	STWO	5	7	2	1	3,112.304	3,567.125	2.65	2.1
5835,960679	3897,312074		44067M55c	STWO	33	5835,960679	3828,406865		8	M	M55c	44067M55c	STWO	30	33	3	3	6,277.225	3,989.588	2.65	2.1
3868,398501	4050,029627		44121T92d	STWO	6	3868,398501	3812,401455		349	T	T92d	44121T92d	STWO	5	5	0	1	3,112.304	3,989.588	0.55	2.1
5055,935109	3759,401714		44245A09b	STWO	22	5055,935109	4045,840149		22	A	A09b	44245A09b	STWO	30	26	-4	-8	4,694.765	3,567.125	-3.65	-9.3
3704,067096	3477,392879		44288F81a	STWO	6	3704,067096	3534,724041		32	F	F81a	44288F81a	STWO	9	6	-3	-3	3,112.304	3,567.125	-3.65	-1.7
7638,095238	3993,015023		44296A04e	EGWO	41	7638,095238	4610,1264		1	A	A04e	44296A04e	EGWO	47	48	1	-6	7,859.686	3,989.588	0.55	-5.5
6575,542977	4261,396912		44296A04e	STWO	40	6575,542977	3899,960614		27	A	A04e	44296A04e	STWO	35	34	-1	5	6,277.225	4,412.051	-1.55	5.9
5361,602806	3804,823947		44369F88c	EGWO		5361,602806	3706,225		2	F	F88c	44369F88c	EGWO					4,694.765	3,989.588		
4914,42728	2840,053116		44393N70d	EGWO	44	4914,42728	2735,969522		66	N	N70d	44393N70d	EGWO	39	41	2	5	4,694.765	2,722.199	2.65	5.9
4723,988937	2789,391877		44407N70d	EGWO	44	4723,988937	2647,477566		32	N	N70d	44407N70d	EGWO	39	41	2	5	4,694.765	2,722.199	2.65	5.9
4817,311674	2810,233485		44415N70d	EGWO	45	4817,311674	2652,976907		35	N	N70d	44415N70d	EGWO	40	41	1	5	4,694.765	2,722.199	0.55	5.9
4310,450281	3808,210253		44458F89d	STWO	16	4310,450281	3628,31759		148	F	F89d	44458F89d	STWO	14	12	-2	2	4,694.765	3,989.588	-1.55	2.1
7575,547398	3849,905696		44504E40a	STWO	49	7575,547398	3924,626851		142	E	E40a	44504E40a	STWO	41	39	-2	8	7,859.686	3,989.588	-1.55	9.7
3251,727638	2480,332856		44512T97d	EGWO	21	3251,727638	2552,094086		63	T	T97d	44512T97d	EGWO	21	24	3	0	3,112.304	2,299.736	2.65	-1.7

3612,206329	2533,368591	[redacted]	44539T96c	EGWO	29	3612,206329	2564,948194	[redacted]	342 T	T96c	44539T96c	EGWO	26	30	4	3	3,112.304	2,722.199	4.75	2.1
3529,905507	3317,594368		44539T96c	STWO	24	3529,905507	2694,623439		75 T	T96c	44539T96c	STWO	8	7	-1	16	3,112.304	3,144.662	-1.55	17.3
3574,210807	2543,001907		44547T96c	EGWO	28	3574,210807	2577,928282		318 T	T96c	44547T96c	EGWO	25	29	4	3	3,112.304	2,722.199	4.75	2.1
3619,972335	3711,220899		44547T96c	STWO	15	3619,972335	3263,247351		48 T	T96c	44547T96c	STWO	8	6	-2	7	3,112.304	3,567.125	-1.55	5.9
3615,231065	2603,694989		44555T96c	EGWO	26	3615,231065	2672,066913		243 T	T96c	44555T96c	EGWO	24	28	4	2	3,112.304	2,722.199	4.75	2.1
3932,509105	3877,26341		44555T96c	STWO	15	3932,509105	3452,550733		5 T	T96c	44555T96c	STWO	8	6	-2	7	4,694.765	3,989.588	-1.55	5.9
3110,857944	3311,105938		44563T95a	STWO	5	3110,857944	3474,854037		467 T	T95a	44563T95a	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
3300,860826	3334,701003		44571T95a	STWO	5	3300,860826	3515,719057		400 T	T95a	44571T95a	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
3311,66125	3407,325636		44598T95a	STWO	5	3311,66125	3627,768048		350 T	T95a	44598T95a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3139,245225	3325,398334		44628T95a	STWO	5	3139,245225	3440,914083		301 T	T95a	44628T95a	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
8058,287676	4448,157692		44679K23a	STWO	46	8058,287676	4132,434232		174 K	K23a	44679K23a	STWO	46	44	-2	0	7,859.686	4,412.051	-1.55	-1.7
2905,882353	3108,28751		44717T92e	STWO		2905,882353	2468,51		1 T	T92e	44717T92e	STWO					3,112.304	3,144.662		
4235,294118	2853,465188		44741F11e	EGWO		4235,294118	2987,07		2 F	F11e	44741F11e	EGWO					4,694.765	2,722.199		
5257,418745	3916,999269		44776E13d	STWO	35	5257,418745	4174,234528		17 E	E13d	44776E13d	STWO	31	28	-3	4	4,694.765	3,989.588	-3.65	2.1
3276,701146	3463,913173		44792T93f	STWO	5	3276,701146	3877,044328		245 T	T93f	44792T93f	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
8103,565541	4299,380443		44814A00e	EGWO	36	8103,565541	5085,658683		3 A	A00e	44814A00e	EGWO	44	46	2	-8	7,859.686	4,412.051	2.65	-9.3
7026,312405	4287,611581		44814A00e	STWO	34	7026,312405	4602,455419		4 A	A00e	44814A00e	STWO	42	36	-6	-8	6,277.225	4,412.051	-5.75	-9.3
6605,178662	3980,765393		44873M30b	STWO	49	6605,178662	3061,014649		51 M	M30b	44873M30b	STWO	42	40	-2	7	6,277.225	3,989.588	-1.55	5.9
6978,120766	4368,67928		44962A01e	STWO	33	6978,120766	4661,481023		7 A	A01e	44962A01e	STWO	39	37	-2	-6	6,277.225	4,412.051	-1.55	-5.5
6870,950465	3029,812043		45160A05a	EGWO	49	6870,950465	2587,999168		20 A	A05a	45160A05a	EGWO		49			6,277.225	3,144.662		
7427,280811	4337,288534		45160A05a	STWO	44	7427,280811	4256,171498		326 A	A05a	45160A05a	STWO	44	42	-2	0	7,859.686	4,412.051	-1.55	-1.7
7238,212406	4483,110534		45829A08a	STWO	35	7238,212406	4720,259345		21 A	A08a	45829A08a	STWO	40	38	-2	-5	7,859.686	4,412.051	-1.55	-5.5
4685,059677	3583,846972		45837M31c	STWO	34	4685,059677	3088,910984		57 M	M31c	45837M31c	STWO	27	23	-4	7	4,694.765	3,567.125	-3.65	5.9
6895,798038	4377,120852		45942K24d	STWO	47	6895,798038	4805,000872		20 K	K24d	45942K24d	STWO	39	36	-3	8	6,277.225	4,412.051	-3.65	9.7
5496,897479	3876,441608		45950M27b	STWO	46	5496,897479	3996,843085		42 M	M27b	45950M27b	STWO	37	34	-3	9	6,277.225	3,989.588	-3.65	9.7
3773,935385	2550,664237		45977F78d	EGWO	35	3773,935385	2454,496667		6 F	F78d	45977F78d	EGWO	26	32	6	9	3,112.304	2,722.199	6.85	9.7
3887,889398	2852,244437		45985F78d	EGWO	31	3887,889398	2734,779923		4 F	F78d	45985F78d	EGWO	28	31	3	3	3,112.304	2,722.199	2.65	2.1
3790,670899	3546,052354		45985F78d	STWO	17	3790,670899	3149,593333		15 F	F78d	45985F78d	STWO	14	16	2	3	3,112.304	3,567.125	2.65	2.1
3448,835355	3232,23536		46027T96d	STWO	13	3448,835355	2596,009998		58 T	T96d	46027T96d	STWO	9	8	-1	4	3,112.304	3,144.662	-1.55	2.1
3194,166422	3184,1745		46035T96d	STWO	5	3194,166422	3236,469286		96 T	T96d	46035T96d	STWO	6	6	0	-1	3,112.304	3,144.662	0.55	-1.7
3143,287328	3187,416769		46051T96d	STWO	5	3143,287328	3254,396614		62 T	T96d	46051T96d	STWO	6	5	-1	-1	3,112.304	3,144.662	-1.55	-1.7
3507,305802	3509,852227		46078T96d	STWO	5	3507,305802	3650,633078		75 T	T96d	46078T96d	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
3726,01344	3482,17438		46086T96d	STWO	8	3726,01344	2831,964113		61 T	T96d	46086T96d	STWO	6	6	0	2	3,112.304	3,567.125	0.55	2.1
3462,237267	3305,643612		46116T96d	STWO	6	3462,237267	3412,170097		20 T	T96d	46116T96d	STWO	6	6	0	0	3,112.304	3,144.662	0.55	-1.7
3532,088138	3471,56367		46116T96e	STWO	6	3532,088138	3381,30506		30 T	T96e	46116T96e	STWO	6	6	0	0	3,112.304	3,567.125	0.55	-1.7
3489,541412	3302,451077		46132T96d	STWO	6	3489,541412	3404,336645		60 T	T96d	46132T96d	STWO	7	7	0	-1	3,112.304	3,144.662	0.55	-1.7
3488,492686	3441,762701		46132T96e	STWO	6	3488,492686	3342,536076		79 T	T96e	46132T96e	STWO	6	5	-1	0	3,112.304	3,567.125	-1.55	-1.7
3257,34859	3274,289345		46140T96d	STWO	6	3257,34859	3098,687286		70 T	T96d	46140T96d	STWO	6	6	0	0	3,112.304	3,144.662	0.55	-1.7
3478,66681	3455,322881		46159T96e	STWO	6	3478,66681	3337,620298		40 T	T96e	46159T96e	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3372,593687	3370,296059		46167T96d	STWO	6	3372,593687	3299,309036		55 T	T96d	46167T96d	STWO	6	6	0	0	3,112.304	3,567.125	0.55	-1.7
3406,125329	3442,013136		46183T96d	STWO	5	3406,125329	3330,212783		49 T	T96d	46183T96d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3627,640124	3352,443796		46191T96e	STWO	8	3627,640124	3376,400674		107 T	T96e	46191T96e	STWO	6	6	0	2	3,112.304	3,144.662	0.55	2.1
3262,421107	3281,669304		46205T96e	STWO	6	3262,421107	3227,579998		62 T	T96e	46205T96e	STWO	5	5	0	1	3,112.304	3,144.662	0.55	2.1
3689,911689	3311,482214		46213T96e	STWO	8	3689,911689	3469,775782		88 T	T96e	46213T96e	STWO	5	5	0	3	3,112.304	3,144.662	0.55	2.1
3488,873588	3375,118403		46221T96e	STWO	7	3488,873588	3280,891611		125 T	T96e	46221T96e	STWO	7	6	-1	0	3,112.304	3,567.125	-1.55	-1.7
3423,717266	3510,5457		46256T96e	STWO	5	3423,717266	3926,524946		7 T	T96e	46256T96e	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3408,819279	3498,602858		46280T96e	STWO	5	3408,819279	3860,755865		116 T	T96e	46280T96e	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
6230,049382	4224,574876		46809E19b	STWO	31	6230,049382	4655,673755		33 E	E19b	46809E19b	STWO	31	31	0	0	6,277.225	4,412.051	0.55	-1.7
6099,968048	4092,624807		46825E19b	STWO	31	6099,968048	4372,304566		10 E	E19b	46825E19b	STWO	33	31	-2	-2	6,277.225	3,989.588	-1.55	-1.7
5996,96812	4113,396696		46833E19b	STWO	31	5996,96812	4438,749434		88 E	E19b	46833E19b	STWO	30	31	1	1	6,277.225	3,989.588	0.55	2.1
5354,287323	3573,280533		46841E19b	STWO	36	5354,287323	2532,3479		2 E	E19b	46841E19b	STWO	33	33	0	3	4,694.765	3,567.125	0.55	2.1
6212,876551	4200,540668		46868A05c	STWO	36	6212,876551	3938,495934		10 A	A05c	46868A05c	STWO	39	33	-6	-3	6,277.225	3,989.588	-5.75	-1.7
3888,975226	3773,712552		46906T93a	STWO	5	3888,975226	4374,474005		114 T	T93a	46906T93a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
6420,204176	4221,471632		46930A05d	STWO	42	6420,204176	3735,865661		20 A	A05d	46930A05d	STWO	37	35	-2	5	6,277.225	4,412.051	-1.55	5.9
7068,493151	4198,020946		46965A05d	STWO	43	7068,493151	3670,139863		1 A	A05d	46965A05d	STWO	42	40	-2	1	7,859.686	3,989.588	-1.55	2.1
6065,480884	4046,626622		47007A05c	STWO	39	6065,480884	3497,027064		11 A	A05c	47007A05c	STWO	39	33	-6	0	6,277.225	3,989.588	-5.75	-1.7
9516,507304	4194,076607		47015N64c	EGWO	49	9516,507304	4069,685375		12 N	N64c	47015N64c	EGWO	47	49	2	2	9,442.146	3,989.588	2.65	2.1
7218,218218	4406,531165		47023A04e	STWO	39	7218,218218	4193,988877		4 A	A04e	47023A04e	STWO	39	36	-3	0	7,859.686	4,412.051	-3.65	-1.7
3352,651641	3446,261021		47066T97b	STWO	5	3352,651641	3775,102359		38 T	T97b	47066T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3146,937426	3329,287907		47074T97b	STWO	5	3146,937426	3536,338112		80 T	T97b	47074T97b	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
3251,326775	3447,147804		47082T97b	STWO	5	3251,326775	3771,053251		84 T	T97b	47082T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3264,341045	3439,168648		47090T97b	STWO	5	3264,341045	3747,590544		46 T	T97b	47090T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3411,005941	3529,73095		47104T97b	STWO	5	3411,005941	3926,977056		100 T	T97b	47104T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3466,896591	3521,79644		47120T97a	STWO	5	3466,896591	3916,441737		12 T	T97a	47120T97a	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3255,674077	3456,552525		47139T97a	STWO	5	3255,674077	3837,836843		40 T	T97a	47139T97a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3242,150371	3475,554608		47147T97a	STWO	5	3254,416849	3865,066611		135 T	T97a	47147T97a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3455,172039	3481,377388		47155T97a	STWO	5	3455,172039	3807,665071		90 T	T97a	47155T97a	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3372,800781	3466,735695		47163T97a	STWO	5	3379,104026	3791,737206		132 T	T97a	47163T97a	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
2886,511064	2289,902248		47171T97a	EGWO	26	3015,659156	2294,265714		8 T	T97a	47171T97a	EGWO	24	26	2	2	3,112.304	2,299.736	2.65	2.1
3157,952891	3459,144788		47171T97a	STWO	5	3157,952891	3868,503489		32 T	T97a	47171T97a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3523,30611	3587,330481		47201T97a	STWO	5	3523,30611	4047,820151		198 T	T97a	47201T97a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3485,079584	3571,711049		47228T97a	STWO	5	3485,079584	4009,326119		144 T	T97a	47228T97a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3754,223577	3552,232448		47236T97b	STWO	5	3754,223577	4322,953859		47 T	T97b	47236T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3589,855964	3530,50804		47244T97b	STWO	5	3589,855964	3950,151627		78 T	T97b	47244T97b	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3446,35922	3502,10616		47260T97b	STWO	5	3446,35922	3892,619946		23 T	T97b	47260T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3256,36732	3456,557633		47279T97b	STWO	5	3256,36732	4077,413304		125 T	T97b	47279T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
2772,289029	3248,785731		47296T97a	STWO	5	2772,289029	3070,764962		162 T	T97a	47296T97a	STWO	6	5	0	0	3,112.304	3,144.662	0.55	-1.7
3180,48209	3447,76722		47295T97b	STWO	5	3180,48209	3951,718292		39 T	T97b	47295T97b	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3573,93612	2463,37458		47325F83a	EGWO	33	3573,93612	2385,419237		26 F	F83a	47325F83a	EGWO	29	31	2	4	3,112.304	2,299.736	2.65	2.1
4010,733453	3752,387605		47325F83a	STWO	5	3969,588551	3396,758364		4 F	F83a	47325F83a	STWO	7	5	-2	-2	4,694.765	3,567.125	-1.55	-1.7
7200,363895	4180,018968		47368A07e	STWO	46	7200,363895	3022,545345		7 A	A07e	47368A07e	STWO	46	40	-6	0	7,859.686	3,989.588	-5.75	-1.7
3751,507433	3685,686017		47430T93a	STWO	5	3751,507433	4153,345897		119 T	T93a	47430T93a	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3766,18047	3611,101366		47457T93a	STWO	5	3766,18047	3998,191279		39 T	T93a	47457T93a	STWO	6	7	1	-1	3,112.304	3,567.125	0.55	-1.7
3777,185244	3615,50359		47465T93a	STWO	5	3777,185244	4201,646502		411 T	T93a	47465T93a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3721,438642	3619,589399		47473T93a	STWO	5	3721,438642	4123,608212		202 T	T93a	47473T93a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3879,220606	3590,994522		47481T93a	STWO	5	3879,220606	4308,156139		317 T	T93a	47481T93a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3743,37138	3610,647208		47503T93a	STWO	5	3743,37138	4246,44064		198 T	T93a	47503T93a	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3645,18104	2523,23881		47511T93a	EGWO	28	3645,18104	2611,239159		8 T	T93a	47511T93a	EGWO	27	31	4	1	3,112.304	2,722.199	4.75	2.1
3888,624153	3704,90743		47511T93a	STWO	5	3888,624153	4207,302014		94 T	T93a	47511T93a	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3837,348083	3627,930687		47538T93b	STWO	5	3837,348083	4142,742147		189 T	T93b	47538T93b	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
3879,513201	3556,883456		47546T93b	STWO	5	3879,513201	4194,538489		217 T	T93b	47546T93b	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3997,701195	3631,973985		47554T93b	STWO	5	3997,701195	4317,44171		247 T	T93b	47554T93b	STWO	5	6	1	0	4,694.765	3,567.125	0.55	-1.7
4094,14409	3687,645948		47562T93b	STWO	5	4102,391693	4408,915768		138 T	T93b	47562T93b	STWO	6	6	0	-1	4,694.765	3,567.125	0.55	-1.7
3837,616317	3610,239939		47570T93b	STWO	5	3848,13813	4163,940301		161 T	T93b	47570T93b	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3900,599708	3648,520073		47589T93b	STWO	5	3900,599708	4303,923591		164 T	T93b	47589T93b	STWO	5	6	1	0	3,112.304	3,567.125	0.55	-1.7
3546,915533	3521,85043		47635F82d	STWO	13	3546,915533	3918,319567		35 F	F82d	47635F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3639,916986	3578,137303		47643F82d	STWO	13	3639,916986	4206,074609		35 F	F82d	47643F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3980,503729			47651F82c	STWO	11	3980,503729			70 F	F82c	47651F82c	STWO	11	10	-1	0	4,694.765		-1.55	-1.7
3601,722225	3591,481163		47686F82d	STWO	13	3601,722225	4174,732079		35 F	F82d	47686F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3568,430333	3561,244958		47708F82d	STWO	13	3568,430333	4066,186429		28 F	F82d	47708F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3632,084556	3597,436135		47716F82d	STWO	13	3632,084556	4198,423473		21 F	F82d	47716F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3506,317469	3558,145108		47724F82d	STWO	13	3506,317469	4159,396249		35 F	F82d	47724F82d	STWO	12	11	-1	1	3,112.304	3,567.125	-1.55	2.1
3898,287903	2689,775928		47732F81a	EGWO	29	3898,287903	2742,868451		11 F	F81a	47732F81a	EGWO	28	31	3	3	3,112.304	2,722.199	2.65	2.1
3516,946452	3408,2391		47732F81a	STWO	8	3516,946452	2811,862702		29 F	F81a	47732F81a	STWO	9	8	-1	-1	3,112.304	3,567.125	-1.55	-1.7
6872,21837	3532,775895		47740N73a	EGWO	49	6872,21837	3111,636011		23 N	N73a	47740N73a	EGWO	46	49	3	3	6,277.225	3,567.125	2.65	2.1
5141,344991	3948,245544		47775N61a	STWO	25	5141,344991	3714,131836		199 N	N61a	47775N61a	STWO	25	23	-2	0	4,694.765	3,989.588	-1.55	-1.7
6588,651762	4366,255631		47783N61a	STWO	25	6588,651762	3782,189638		12 N	N61a	47783N61a	STWO	34	29	-5	-9	6,277.225	4,412.051	-5.75	-9.3
5533,232955	3646,798431		47791N61a	STWO	25	5533,232955	3364,074923		21 N	N61a	47791N61a	STWO	31	29	-2	-6	6,277.225	3,567.125	-1.55	-5.5
3534,050533	2771,588576		47805N61a	EGWO		3534,050533	2755,615		2 N	N61a	47805N61a	EGWO					3,112.304	2,722.199		
5302,600095	3524,155923		47805N61a	STWO	25	5302,600095	3391,104733		54 N	N61a	47805N61a	STWO	30	29	-1	-5	4,694.765	3,567.125	-1.55	-5.5
5688,083802	3930,515721		47813N61a	STWO	25	5688,083802	3240,516213		90 N	N61a	47813N61a	STWO	33	29	-4	-8	6,277.225	3,989.588	-3.65	-9.3
5635,052559	4137,218945		47821N61a	STWO	25	5635,052559	3479,21882		62 N	N61a	47821N61a	STWO	32	29	-3	-7	6,277.225	3,989.588	-3.65	-5.5
5742,029126	3956,156605		47848N61a	STWO	25	5742,029126	3293,405589		46 N	N61a	47848N61a	STWO	32	29	-3	-7	6,277.225	3,989.588	-3.65	-5.5
5602,739473	4147,779476		47856N61a	STWO	25	5602,739473	3484,156021		70 N	N61a	47856N61a	STWO	32	29	-3	-7	6,277.225	3,989.588	-3.65	-5.5
5814,702567	3970,151921		47864N61a	STWO	25	5814,702567	3302,271966		46 N	N61a	47864N61a	STWO	32	29	-3	-7	6,277.225	3,989.588	-3.65	-5.5

5669,649561	3946,347836	[redacted]	47872N61a	STWO	25	5669,649561	3270,367683	[redacted]	117	N	N61a	47872N61a	STWO	32	29	-3	-7	6,277.225	3,989.588	-3.65	-5.5
5064,048213	3820,460827		47899N61a	STWO	25	5064,049213	3247,97526		49	N	N61a	47899N61a	STWO	28	25	-3	-3	4,694.765	3,989.588	-3.65	-1.7
3951,12782	2664,683263		47910T96g	EGWO	29	3951,12782	2834,561095		14	T	T96g	47910T96g	EGWO	28	32	4	1	4,694.765	2,722.199	4.75	2.1
3779,787978	3559,903003		47910T96g	STWO	13	3779,787978	3588,98089		6	T	T96g	47910T96g	STWO	9	7	-2	4	3,112.304	3,567.125	-1.55	2.1
3655,57039	2623,017551		47929T96g	EGWO	25	3655,57039	2738,283745		59	T	T96g	47929T96g	EGWO	22	28	6	3	3,112.304	2,722.199	6.85	2.1
3801,450287	3487,833111		47929T96g	STWO	8	3801,450287	3285,704484		63	T	T96g	47929T96g	STWO	9	6	-3	-1	3,112.304	3,567.125	-3.65	-1.7
3779,028017	3482,657026		47988T96g	STWO	15	3779,028017	2969,278142		14	T	T96g	47988T96g	STWO	9	8	-1	6	3,112.304	3,567.125	-1.55	5.9
3466,400667	2434,312814		47996T96g	EGWO	30	3466,400667	2419,209763		69	T	T96g	47996T96g	EGWO	25	30	5	5	3,112.304	2,299.736	4.75	5.9
3601,743185	2516,617309		48003T96g	EGWO	29	3601,743185	2544,961739		31	T	T96g	48003T96g	EGWO	24	30	6	5	3,112.304	2,722.199	6.85	5.9
3754,001951	3487,339005		48003T96g	STWO	15	3754,001951	2970,388453		12	T	T96g	48003T96g	STWO	6	8	2	9	3,112.304	3,567.125	2.65	9.7
3713,49052	2498,622413		48011T96g	EGWO	32	3713,49052	2529,856514		69	T	T96g	48011T96g	EGWO	28	33	5	4	3,112.304	2,299.736	4.75	2.1
3493,558164	2440,685525		48046T96g	EGWO	32	3493,558164	2388,879209		42	T	T96g	48046T96g	EGWO	25	30	5	7	3,112.304	2,299.736	4.75	5.9
3664,046992	2577,211915		48054T96g	EGWO	26	3664,046992	2716,017653		25	T	T96g	48054T96g	EGWO	25	29	4	1	3,112.304	2,722.199	4.75	2.1
3599,825491	2483,748567		48062T96g	EGWO	30	3599,825491	2500,522928		76	T	T96g	48062T96g	EGWO	27	31	4	3	3,112.304	2,299.736	4.75	2.1
3806,316796	2794,256727		48070T96g	EGWO	24	3806,316796	2938,658515		11	T	T96g	48070T96g	EGWO	21	27	6	3	3,112.304	2,722.199	6.85	2.1
3639,042497	2543,594234		48089T96g	EGWO	28	3639,042497	2639,939109		25	T	T96g	48089T96g	EGWO	27	30	3	1	3,112.304	2,722.199	2.65	2.1
3765,829089	2638,212446		48100T96g	EGWO	26	3765,829089	2789,876657		50	T	T96g	48100T96g	EGWO	26	30	4	0	3,112.304	2,722.199	4.75	-1.7
4186,918285	2743,034524		48119T96g	EGWO	29	4186,918285	3001,733068		11	T	T96g	48119T96g	EGWO	30	35	5	-1	4,694.765	2,722.199	4.75	-1.7
3842,822565	2595,56813		48127T96g	EGWO	29	3842,822565	2744,495566		108	T	T96g	48127T96g	EGWO	29	32	3	0	3,112.304	2,722.199	2.65	-1.7
3622,906388	2536,090842		48135T96g	EGWO	28	3622,906388	2627,736987		47	T	T96g	48135T96g	EGWO	27	30	3	1	3,112.304	2,722.199	2.65	2.1
6475,817975	4122,413544		48151K25c	STWO	41	6475,817975	4509,969695		102	K	K25c	48151K25c	STWO	38	34	-4	3	6,277.225	3,989.588	-3.65	2.1
6395,10341	4232,286847		48178K25c	STWO	41	6395,10341	4318,75117		73	K	K25c	48178K25c	STWO	38	34	-4	3	6,277.225	4,412.051	-3.65	2.1
4450,485428	3646,321274		48186F89a	STWO	13	4450,485428	4154,391082		37	F	F89a	48186F89a	STWO	15	13	-2	-2	4,694.765	3,567.125	-1.55	-1.7
4702,099835	3698,132096		48194F89a	STWO	20	4702,099835	3837,549094		112	F	F89a	48194F89a	STWO	19	18	-1	1	4,694.765	3,567.125	-1.55	2.1
6140,613863	4117,567643		48208A09c	STWO	36	6140,613863	3684,885711		20	A	A09c	48208A09c	STWO	36	33	-3	0	6,277.225	3,989.588	-3.65	-1.7
6585,536085	4244,115586		48216A09c	STWO	26	6585,536085	5197,393701		34	A	A09c	48216A09c	STWO	35	33	-2	-9	6,277.225	4,412.051	-1.55	-9.3
5920,638103	4157,280075		48224A09c	STWO	26	5920,638103	5007,160773		57	A	A09c	48224A09c	STWO	30	29	-1	-4	6,277.225	3,989.588	-1.55	-5.5
5250,279483	3877,915497		48232N61a	STWO	19	5250,279483	4248,545543		102	N	N61a	48232N61a	STWO	24	23	-1	-5	4,694.765	3,989.588	-1.55	-5.5
4366,191642	3870,760947		48240N65c	STWO	8	4366,191642	4234,341226		16	N	N65c	48240N65c	STWO	14	11	-3	-6	4,694.765	3,989.588	-3.65	-5.5
4548,72625	3851,173586		48259N65c	STWO	8	4548,72625	4445,528764		43	N	N65c	48259N65c	STWO	11	11	0	-3	4,694.765	3,989.588	0.55	-1.7
5376,812491	3094,861678		48275N65c	EGWO	38	5376,812491	3161,393824		51	N	N65c	48275N65c	EGWO	30	38	8	8	4,694.765	3,144.662	8.95	9.7
4243,995536	3745,42732		48275N65c	STWO	8	4243,995536	3955,5625		32	N	N65c	48275N65c	STWO	16	12	-4	-8	4,694.765	3,567.125	-3.65	-9.3
4463,601331	3836,051776		48283N65c	STWO	8	4463,601331	4187,999339		82	N	N65c	48283N65c	STWO	14	13	-1	-6	4,694.765	3,989.588	-1.55	-5.5
4350,614304	3800,704133		48291N65c	STWO	8	4350,614304	4318,309447		30	N	N65c	48291N65c	STWO	11	10	-1	-3	4,694.765	3,989.588	-1.55	-1.7
4324,854651	2891,382257		48305N65c	EGWO	34	4324,854651	2870,204024		16	N	N65c	48305N65c	EGWO	27	33	6	7	4,694.765	2,722.199	6.85	5.9
4359,838638	3734,006563		48305N65c	STWO	8	4359,838638	4089,95275		105	N	N65c	48305N65c	STWO	13	13	0	-5	4,694.765	3,567.125	0.55	-5.5
4148,849751	2844,284372		48313N65c	EGWO	31	4148,849751	2864,265194		32	N	N65c	48313N65c	EGWO	28	31	3	3	4,694.765	2,722.199	2.65	2.1
4735,577035	3907,673505		48313N65c	STWO	8	4735,577035	4403,477666		31	N	N65c	48313N65c	STWO	16	16	0	-8	4,694.765	3,989.588	0.55	-9.3
4597,17608	2943,962246		48321N65c	EGWO	35	4597,17608	2989,430067		16	N	N65c	48321N65c	EGWO	30	36	6	5	4,694.765	3,144.662	6.85	5.9
3498,357004	2555,574855		48348T96f	EGWO	26	3498,357004	2595,429614		18	T	T96f	48348T96f	EGWO	22	27	5	4	3,112.304	2,722.199	4.75	2.1
3365,929207	3461,665938		48356T96f	STWO	6	3365,929207	3633,198666		115	T	T96f	48356T96f	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3557,34505	2555,000617		48372T96f	STWO	27	3557,34505	2599,591786		39	T	T96f	48372T96f	STWO	27	28	1	0	3,112.304	2,722.199	0.55	-1.7
3212,928567	3414,329327		48380T96f	STWO	6	3212,928567	3550,904692		114	T	T96f	48380T96f	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3706,026899	2755,86516		48399T96f	EGWO	24	3706,026899	2822,533018		54	T	T96f	48399T96f	EGWO	20	25	5	4	3,112.304	2,722.199	4.75	2.1
4226,190476	3866,09225		48399T96f	STWO	16	4226,190476	3478,421639		4	T	T96f	48399T96f	STWO	5	9	4	11	4,694.765	3,989.588	4.75	9.7
3668,773825	2667,716409		48402T96f	EGWO	24	3668,773825	2729,908799		32	T	T96f	48402T96f	EGWO	22	26	4	2	3,112.304	2,722.199	4.75	2.1
4365,079365	3897,167188		48402T96f	STWO	16	4365,079365	3533,282596		6	T	T96f	48402T96f	STWO	6	10	4	10	4,694.765	3,989.588	4.75	9.7
3731,922366	2699,532674		48410T96f	EGWO	25	3731,922366	2777,454289		36	T	T96f	48410T96f	EGWO	22	27	5	3	3,112.304	2,722.199	4.75	2.1
4380,952381	3900,718609		48410T96f	STWO	16	4380,952381	3540,101858		6	T	T96f	48410T96f	STWO	6	11	5	10	4,694.765	3,989.588	4.75	9.7
3720,749183	2688,924692		48429T96f	EGWO	25	3720,749183	2772,026567		66	T	T96f	48429T96f	EGWO	22	27	5	3	3,112.304	2,722.199	4.75	2.1
4380,952381	3900,718609		48429T96f	STWO	16	4380,952381	3540,101858		8	T	T96f	48429T96f	STWO	6	11	5	10	4,694.765	3,989.588	4.75	9.7
3907,260833	2882,137401		48437T96f	EGWO	23	3907,260833	2999,74286		10	T	T96f	48437T96f	EGWO	22	26	4	1	4,694.765	2,722.199	4.75	2.1
3212,831385	2375,703871		48445T96f	EGWO	26	3212,831385	2348,865404		38	T	T96f	48445T96f	EGWO	21	25	4	5	3,112.304	2,299.736	4.75	5.9
3572,611163	2564,380522		48453T96f	EGWO	25	3572,611163	2663,98224		17	T	T96f	48453T96f	EGWO	23	28	5	2	3,112.304	2,722.199	4.75	2.1
3552,510636	2587,246998		48488T96f	EGWO	26	3552,510636	2637,459892		58	T	T96f	48488T96f	EGWO	21	27	6	5	3,112.304	2,722.199	6.85	5.9
3623,981834	2661,770812		48496T96f	EGWO	25	3623,981834	2700,587273		10	T	T96f	48496T96f	EGWO	19	26	7	6	3,112.304	2,722.199	6.85	5.9
3608,247423	3326,376628		48496T96f	STWO	11	3608,247423	3645,573218		1	T	T96f	48496T96f	STWO	5	7	2	6	3,112.304	3,144.662	2.65	5.9
6698,609579	4347,754437		48542A09i	STWO	34	6698,609579	4414,507971		171	A	A09i	48542A09i	STWO	37	35	-2	-3	6,277.225	4,412.051	-1.55	-1.7
5307,592198	3802,543664		48607M32b	STWO	40	5307,592198	3099,790653		73	M	M32b	48607M32b	STWO	32	29	-3	8	4,694.765	3,989.588	-3.65	9.7
3432,154703	2614,446533		48615T94d	EGWO	20	3432,154703	2755,358546		18	T	T94d	48615T94d	EGWO	20	23	3	0	3,112.304	2,722.199	2.65	-1.7
3693,145445	3576,572254		48615T94d	STWO	5	3693,145445	4249,025345		174	T	T94d	48615T94d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3697,066293	2647,54471		48631T94d	EGWO	24	3697,066293	2807,095628		48	T	T94d	48631T94d	EGWO	24	28	4	0	3,112.304	2,722.199	4.75	-1.7
3785,25641	3834,650987		48631T94d	STWO	5	3785,25641	4473,735619		6	T	T94d	48631T94d	STWO	5	5	0	0	3,112.304	3,989.588	0.55	-1.7
3857,843718	2702,533741		48658T94d	EGWO	24	3857,843718	2923,650535		18	T	T94d	48658T94d	EGWO	25	30	5	-1	3,112.304	2,722.199	4.75	-1.7
3929,487179	3866,921114		48658T94d	STWO	5	3929,487179	4518,841237		6	T	T94d	48658T94d	STWO	5	5	0	0	4,694.765	3,989.588	0.55	-1.7
3454,077889	3544,340529		48666T94d	STWO	5	3454,077889	3910,04247		28	T	T94d	48666T94d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3590,53295	3571,051978		48674T94d	STWO	5	3590,53295	4106,972954		161	T	T94d	48674T94d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3409,914712	2609,844444		48682T94d	EGWO	20	3409,914712	2750,245277		18	T	T94d	48682T94d	EGWO	17	23	6	3	3,112.304	2,722.199	6.85	2.1
3422,405641	3526,405784		48682T94d	STWO	5	3422,405641	3871,111093		36	T	T94d	48682T94d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3540,512901	3547,268316		48690T94d	STWO	5	3540,512901	3916,759859		20	T	T94d	48690T94d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3006,943484	3161,007963		48712T94m	STWO	5	3006,943484	3524,451123		512	T	T94m	48712T94m	STWO	5	5	0	0	3,112.304	3,144.662	0.55	-1.7
5625,874107	3978,621396		48747K90d	STWO	28	5625,874107	4249,492744		111	K	K90d	48747K90d	STWO	30	26	-4	-2	6,277.225	3,989.588	-3.65	-1.7
5824,835882	4152,365762		48755E13b	STWO	22	5824,835882	4639,969761		12	E	E13b	48755E13b	STWO	29	29	0	-7	6,277.225	3,989.588	0.55	-5.5
5725,111739	3985,986839		48763E13b	STWO	22	5725,111739	4505,683743		80	E	E13b	48763E13b	STWO	31	28	-3	-9	6,277.225	3,989.588	-3.65	-9.3
5444,945489	3880,961413		48771E13b	STWO	22	5444,945489	4224,188159		41	E	E13b	48771E13b	STWO	33	28	-5	-11	4,694.765	3,989.588	-5.75	-9.3
5368,077629	3958,365684		48771E13c	STWO	34	5368,077629	4315,841938		25	E	E13c	48771E13c	STWO	36	29	-7	-2	4,694.765	3,989.588	-7.85	-1.7
5420,781894	3952,153534		48798E13b	STWO	23	5420,781894	4176,666774		38	E	E13b	48798E13b	STWO	37	27	-10	-14	4,694.765	3,989.588	-9.95	-13.1
6202,502715	4178,946147		48801E13c	STWO	34	6228,46032	4676,534168		55	E	E13c	48801E13c	STWO	36	31	-5	-2	6,277.225	3,989.588	-5.75	-1.7
6069,370278	4108,812381		48828E13b	STWO	25	6069,370278	4530,874504		78	E	E13b	48828E13b	STWO	36	31	-5	-11	6,277.225	3,989.588	-5.75	-9.3
6199,891589	4120,985538		48844E15d	STWO	26	6219,410144	4560,510896		492	E	E15d	48844E15d	STWO	33	31	-2	-7	6,277.225	3,989.588	-1.55	-5.5
3528,033863	3453,598414		48860T97d	STWO	6	3528,033863	3368,736188		95	T	T97d	48860T97d	STWO	5	6	1	1	3,112.304	3,567.125	0.55	2.1
3281,543599	2414,619992		48879T97d	EGWO	27	3281,543599	2401,658951		155	T	T97d	48879T97d	EGWO	22	26	4	5	3,112.304	2,299.736	4.75	5.9
3263,32403	2513,271078		48887T97d	EGWO	20	3263,32403	2608,866842		19	T	T97d	48887T97d	EGWO	20	23	3	0	3,112.304	2,722.199	2.65	-1.7
3427,544371	3395,744624		48887T97d	STWO	6	3427,544371	3310,313924		96	T	T97d	48887T97d	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3370,468	2468,302561		48895T97d	EGWO	26	3370,468	2492,082045		78	T	T97d	48895T97d	EGWO	22	27	5	4	3,112.304	2,299.736	4.75	2.1
3261,07453	2436,219353		48905T97d	EGWO	24	3261,07453	2401,545545		44	T	T97d	48905T97d	EGWO	20	25	5	4	3,112.304	2,299.736	4.75	2.1
3350,947869	2449,145713		48917T97d	EGWO	26	3350,947869	2475,210022		56	T	T97d	48917T97d	EGWO	22	27	5	4	3,112.304	2,299.736	4.75	2.1
3388,884094	3400,786726		48925T97d	STWO	5	3388,884094	3297,622925		54	T	T97d	48925T97d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3402,906666	2523,257666		48933T97d	EGWO	23	3407,014932	2620,074944		150	T	T97d	48933T97d	EGWO	22	26	4	1	3,112.304	2,722.199	4.75	2.1
3503,53711	3458,517451		48933T97d	STWO	6	3503,53711	3372,540336		25	T	T97d	48933T97d	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3312,962079	2512,490985		48941T97d	EGWO	21	3312,962079	2602,894286		35	T	T97d	48941T97d	EGWO	21	24	3	0	3,112.304	2,722.199	2.65	-1.7
3471,913752	3413,483082		48941T97d	STWO	6	3471,913752	3321,231411		66	T	T97d	48941T97d	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3471,264422	2525,049331		48968T97d	EGWO	25	3471,264422	2590,750751		108	T	T97d	48968T97d	EGWO	24	27	3	1	3,112.304	2,722.199	2.65	2.1
3307,417313	2579,143014		48976T97d	EGWO	19	3307,417313	2677,268161		20	T	T97d	48976T97d	EGWO	20	22	2	-1	3,112.304	2,722.199	2.65	-1.7
3555,100094	2478,55358		48984T97d	EGWO	29	3555,100094	2484,590415		24	T	T97d	48984T97d	EGWO	27	30	3	2	3,112.304	2,299.736	2.65	2.1
3486,508198	3469,454394		48984T97d	STWO	6	3486,508198	3382,603063		40	T	T97d	48984T97d	STWO	5	5	0	1	3,112.304	3,567.125	0.55	2.1
3329,589908	3362,983943		48992T97d	STWO	5	3329,589908	3246,323914		178	T	T97d	48992T97d	STWO	5	5	0	0	3,112.304	3,567.125	0.55	-1.7
3312,550305	2524,90054		49018T97d	EGWO	21	3312,550305	2613,370449		56	T	T97d	49018T97d	EGWO	18	24	6	3	3,112.304	2,722.199	6.85	2.1
3481,927274	2604,109489		49026T97d	EGWO	22	3481,927274	2720,939885		62	T	T97d	49026T97d	EGWO	21	25	4	1	3,112.304	2,722.199	4.75	2.1
4752,130186	3586,093746		49050M33i	STWO	42	4752,130186	2733,719313		8	M	M33i	49050M33i	STWO	34	24	-10	8	4,694.765	3,567.125	-9.95	9.7
6067,821976	3940,501804		49085A09d	STWO	44	6067,821976	3403,382281		60	A	A09d	49085A09d	STWO	33	34	1	11	6,277.225	3,989.588	0.55	9.7
5701,17291	3992,065008		49093A09d	STWO	19	5701,17291	4650,960413		69	A	A09d	49093A09d	STWO	30	27	-3	-11	6,277.225	3,989.588	-3.65	-9.3
5965,143036	4074,387356		49107A09d	STWO	39	5965,143036	3653,218842		54	A	A09d	49107A09d	STWO	35	32	3	4	6,277.225	3,989.588	3.65	2.1
3917,793642	3703,366683		49115F81d	STWO	5	3917,793642	4187,003126		42	F	F81d	49115F81d	STWO	8	7	-1	-3	4,694.765	3,567.125	-1.55	-1.7
4025,191378	3728,227115		49131F81d	STWO	5	4025,191378	4228,15294		14	F	F81d	49131F81d	STWO	9	8	-1	-4	4,694.765	3,567.125	-1.55	-5.5
3661,814145	2559,965788		49158T97c	EGWO	29	3661,814145	2614,597528		60	T	T97c	49158T97c	EGWO	26	30	4	3	3,112.304	2,722.199	4.75	2.1
3660,364912	2625,256103		49166T97c	EGWO	26	3660,364912	2718,621529		59	T	T97c	49166T97c	EGWO	25	28	3	1	3,112.304	2,722.199	2.65	2.1
3737,93855	2697,718465		49174T97c	EGWO	25	3737,93855	2831,534923		71	T	T97c	49174T97c	EGWO	24	28	4	1	3,112.304	2,722.199	4.75	2.1
3709,470167	2673,115341		49182T97c	EGWO	25	3709,470167	2797,777641		133	T	T97c	49182T97c	EGWO	24	28	4	1	3,112.304	2,722.199	4.75	2.1
3749,864652	2673,033393		49190T97c	EGWO	25	3749,864652	2804,432939		88	T	T97c	49190T97c	EGWO	25	29	4	0	3,112.304	2,722.199	4.75	-1.7
3151,513216	2455,421431		49204T97c	EGWO	20	3151,513216	2525,535575		133	T	T97c	49204T97c	EGWO	20	23	3	0	3,112.304	2,299.736	2.65	-1.7
3744,127244	2658,756021		49212T97c	EGWO	26	3749,099931	2781,70967		128	T	T97c	49212T97c	EGWO	25	29	4	1	3,112.304	2,722.199	4.75	2.1
3850,4328	2721,420643		49220T97c	EGWO	25	3850,4328	2881,483554		111	T	T97c	49220T97c	EGWO	26	29	3	-1	3,112.304	2,722.199	2.65	-1.7
3635,879998	2542,748128		49239T97c	EGWO	28	3635,879998	2607,887528		93	T	T97c	49239T97c	EGWO	26	30	4	2	3,112.304	2,722.199	4.75	2.1
3796,238785	2672,324504	[redacted]	49247T97c	EGWO	26	3796,238785	2828,765854	[redacted]	21	T	T97c	49247T97c	EGWO	26	30	4	0	3,112.304	2,722.199	4.75	-1.7

3707,375796	2636,971724	[redacted]	49255T97c	EGWO	26	3707,375796	2755,486912	[redacted]	31	T	T97c	49255T97c	EGWO	26	29	3	0	3,112.304	2,722.199	2.65	-1.7
3967,211226	2819,536111		49263T97c	EGWO	24	3967,211226	2986,545254		21	T	T97c	49263T97c	EGWO	26	29	3	-2	4,694.765	2,722.199	2.65	-1.7
3645,833333	2601,260264		49271T97c	EGWO	26	3645,833333	2688,053018		15	T	T97c	49271T97c	EGWO	25	29	4	1	3,112.304	2,722.199	4.75	2.1
3804,42656	2569,465909		49298T97c	EGWO	30	3819,70096	2694,662599		44	T	T97c	49298T97c	EGWO	28	32	4	2	3,112.304	2,722.199	4.75	2.1
3490,996658	2575,420539		49301T97c	EGWO	24	3490,996658	2660,461785		55	T	T97c	49301T97c	EGWO	23	26	3	1	3,112.304	2,722.199	2.65	2.1
3509,343526	3148,133426		49301T97c	STWO		3560,97561	2117,44		1	T	T97c	49301T97c	STWO					3,112.304	3,144.662		
3706,287044	2773,230547		49328T97c	EGWO	23	3706,287044	2853,558809		20	T	T97c	49328T97c	EGWO	22	25	3	1	3,112.304	2,722.199	2.65	2.1
3396,206226	2546,501895		49336T97c	EGWO	23	3396,206226	2598,927629		15	T	T97c	49336T97c	EGWO	20	25	5	3	3,112.304	2,722.199	4.75	2.1
3630,702003	2581,959198		49344T97c	EGWO	26	3630,702003	2690,870614		44	T	T97c	49344T97c	EGWO	25	29	4	1	3,112.304	2,722.199	4.75	2.1
3524,052796	2577,517159		49352T97c	EGWO	25	3524,052796	2652,744349		34	T	T97c	49352T97c	EGWO	23	27	4	2	3,112.304	2,722.199	4.75	2.1
4061,633544	2847,937559		49360T97c	EGWO	25	4061,633544	3068,180432		60	T	T97c	49360T97c	EGWO	27	30	3	-2	4,694.765	2,722.199	2.65	-1.7
4281,812125	2939,428077		49409F81e	EGWO	27	4281,812125	3145,280993		19	F	F81e	49409F81e	EGWO	29	31	2	-2	4,694.765	3,144.662	2.65	-1.7
4179,77206	3626,569814		49409F81e	STWO	6	4179,77206	4668,251309		18	F	F81e	49409F81e	STWO	8	7	-1	-2	4,694.765	3,567.125	-1.55	-1.7
4059,354226	2839,007023		49476F81d	EGWO	28	4059,354226	2973,892924		26	F	F81d	49476F81d	EGWO	28	30	2	0	4,694.765	2,722.199	2.65	-1.7
3889,085588	3731,685324		49484F81d	STWO	5	3889,085588	4277,339677		85	F	F81d	49484F81d	STWO	7	6	-1	-2	3,112.304	3,567.125	-1.55	-1.7
3864,872411	3693,507882		49506F81d	STWO	5	3864,872411	4172,341907		21	F	F81d	49506F81d	STWO	6	6	0	-1	3,112.304	3,567.125	0.55	-1.7
6608,203066	4120,172796		49530E20b	STWO	48	6608,203066	3939,175437		76	E	E20b	49530E20b	STWO	41	38	-3	7	6,277.225	3,989.588	-3.65	5.9
6671,767571	4103,70188		49549E20b	STWO	48	6671,767571	3938,017063		67	E	E20b	49549E20b	STWO	40	37	-3	8	6,277.225	3,989.588	-3.65	9.7
7084,105658	4024,81939		49557E20b	STWO	49	7084,105658	3689,303037		20	E	E20b	49557E20b	STWO	46	44	-2	3	7,859.686	3,989.588	-1.55	2.1
7724,164417	3917,719623		49573E20b	STWO	49	7724,164417	3594,9683		32	E	E20b	49573E20b	STWO	44	41	-3	5	7,859.686	3,989.588	-3.65	5.9
7506,869703	4099,307787		49581E20b	STWO	49	7506,869703	3832,187348		14	E	E20b	49581E20b	STWO	44	41	-3	5	7,859.686	3,989.588	-3.65	5.9
5366,906949	3881,312335		49603K91b	STWO	28	5366,906949	3876,843578		214	K	K91b	49603K91b	STWO	32	28	-4	-4	4,694.765	3,989.588	-3.65	-5.5
5352,78003	3805,060917		49611K91b	STWO	30	5352,78003	3772,234992		80	K	K91b	49611K91b	STWO	32	29	-3	-2	4,694.765	3,989.588	-3.65	-1.7
5955,461087	3911,028833		49638K91a	STWO	34	5955,461087	3912,753506		98	K	K91a	49638K91a	STWO	37	34	-3	-3	6,277.225	3,989.588	-3.65	-1.7
5269,006076	3760,623298		49646K91b	STWO	32	5269,006076	3590,808958		41	K	K91b	49646K91b	STWO	34	29	-5	-2	4,694.765	3,567.125	-5.75	-1.7
5238,642431	3756,681772		49654K91b	STWO	31	5238,642431	3607,306387		42	K	K91b	49654K91b	STWO	34	28	-6	-3	4,694.765	3,567.125	-5.75	-1.7
5594,632213	3837,603532		49662K91b	STWO	34	5594,632213	3725,030211		42	K	K91b	49662K91b	STWO	34	31	-3	0	6,277.225	3,989.588	-3.65	-1.7
5400,031164	3668,619386		49670K91b	STWO	35	5400,031164	3522,077983		48	K	K91b	49670K91b	STWO	36	32	-4	-1	4,694.765	3,567.125	-3.65	-1.7
5897,759536	3779,980906		49689K91a	STWO	38	5897,759536	3652,265715		48	K	K91a	49689K91a	STWO	39	36	-3	-1	6,277.225	3,989.588	-3.65	-1.7
5607,979809	3757,143321		49697K91a	STWO	36	5607,979809	3576,468145		36	K	K91a	49697K91a	STWO	36	33	-3	0	6,277.225	3,567.125	-3.65	-1.7
5620,292826	3764,913768		49700K91a	STWO	36	5620,292826	3585,216627		36	K	K91a	49700K91a	STWO	36	33	-3	0	6,277.225	3,567.125	-3.65	-1.7
5599,917139	3751,639661		49719K91a	STWO	35	5599,917139	3610,636716		103	K	K91a	49719K91a	STWO	35	33	-2	0	6,277.225	3,567.125	-1.55	-1.7
5959,183193	3992,018267		49727A09i	STWO	42	5959,183193	3444,698131		39	A	A09i	49727A09i	STWO	38	33	-5	4	6,277.225	3,989.588	-5.75	2.1
4758,104586	3571,869125		49816K91c	STWO	34	4758,104586	3129,281676		131	K	K91c	49816K91c	STWO	29	24	-5	5	4,694.765	3,567.125	-5.75	5.9
4686,602011	2944,566232		49824F78a	EGWO	35	4686,602011	3058,133275		8	F	F78a	49824F78a	EGWO	35	37	2	0	4,694.765	3,144.662	2.65	-1.7
5993,323983	4051,297175		49905A00e	STWO	39	5993,323983	3551,482634		62	A	A00e	49905A00e	STWO	42	32	-10	-3	6,277.225	3,989.588	-9.95	-1.7
3825,592988	2528,059342		49956T98a	EGWO	29	3825,592988	2522,577829		32	T	T98a	49956T98a	EGWO	23	28	5	6	3,112.304	2,722.199	4.75	5.9
7792,261905	3629,743232		49964N64c	EGWO	48	7792,261905	3473,267544		3	N	N64c	49964N64c	EGWO	42	46	4	6	7,859.686	3,567.125	4.75	5.9
4585,988168	3667,374649		49980N69j	STWO	21	4585,988168	3602,351935		143	N	N69j	49980N69j	STWO	19	17	-2	2	4,694.765	3,567.125	-1.55	2.1
4898,008836	3709,934831		49999N71f	STWO	32	4898,008836	3326,12644		64	N	N71f	49999N71f	STWO	22	25	3	10	4,694.765	3,567.125	2.65	9.7
5308,72522	3998,183533		50008N71f	STWO	29	5308,72522	3693,165357		204	N	N71f	50008N71f	STWO	27	23	-4	2	4,694.765	3,989.588	-3.65	2.1
5100,007011	3809,768664		50032N71f	STWO	31	5100,007011	3643,88093		120	N	N71f	50032N71f	STWO	22	27	5	9	4,694.765	3,989.588	4.75	9.7
3761,777835	4126,546034		50040N71f	STWO		3761,777835	3846,606919		880	N	N71f	50040N71f	STWO	22				3,112.304	3,989.588		
3521,815502	2525,759807		50059T98a	EGWO	30	3521,815502	2449,111306		19	T	T98a	50059T98a	EGWO	25	28	3	5	3,112.304	2,722.199	2.65	5.9
3760,697549	2542,589147		50067T98a	EGWO	30	3760,697549	2470,45674		21	T	T98a	50067T98a	EGWO	25	29	4	5	3,112.304	2,722.199	4.75	5.9
3867,060756	2739,26827		50075T98a	EGWO	26	3867,060756	2781,783918		25	T	T98a	50075T98a	EGWO	26	29	3	0	3,112.304	2,722.199	2.65	-1.7
6522,935044	4305,30144		50083M27a	STWO	48	6522,935044	4771,688694		20	M	M27a	50083M27a	STWO	38	35	-3	10	6,277.225	4,412.051	-3.65	9.7
6377,476514	3973,936712		50091M28a	STWO	49	6377,476514	2949,034252		105	M	M28a	50091M28a	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
6226,671413	4124,702803		50105M28a	STWO	41	6226,671413	4338,231645		46	M	M28a	50105M28a	STWO	35	32	-3	6	6,277.225	3,989.588	-3.65	5.9
6632,117292	4256,727665		50113M28a	STWO	41	6632,117292	4591,486056		73	M	M28a	50113M28a	STWO	34	35	1	7	6,277.225	4,412.051	0.55	5.9
6505,500952	4229,907163		50164M30a	STWO	46	6505,500952	3512,912222		138	M	M30a	50164M30a	STWO	37	35	-2	9	6,277.225	4,412.051	-1.55	9.7
5297,544556	4023,263577		50172N62a	STWO	16	5297,544556	4593,850306		36	N	N62a	50172N62a	STWO	20	20	0	-4	4,694.765	3,989.588	0.55	-5.5
5471,043196	3135,98128		50172N74a	EGWO	37	5471,043196	3413,143808		15	N	N74a	50172N74a	EGWO	40	43	3	-3	4,694.765	3,144.662	2.65	-1.7
5133,070253	3064,660034		50180N62a	EGWO	42	5133,070253	2903,693633		28	N	N62a	50180N62a	EGWO	37	40	3	5	4,694.765	3,144.662	2.65	5.9
4741,874184	2898,199066		50199N68d	EGWO	40	4741,874184	2835,249888		9	N	N68d	50199N68d	EGWO	37	39	2	3	4,694.765	2,722.199	2.65	2.1
4295,04485	2689,982449		50202N68d	EGWO	40	4295,04485	2561,333732		17	N	N68d	50202N68d	EGWO	36	37	1	4	4,694.765	2,722.199	0.55	2.1
4489,354351	2679,542776		50210F89a	EGWO	43	4489,354351	2515,730022		25	F	F89a	50210F89a	EGWO	37	39	2	6	4,694.765	2,722.199	2.65	5.9
8968,951981	3690,911664		50253E22b	EGWO		8368,421053	3573,6958		1	E	E22b	50253E22b	EGWO					9,442.146	3,567.125		
7867,824469	4276,025167		50253E22b	STWO	49	7867,824469	3176,413895		18	E	E22b	50253E22b	STWO	48	45	-3	1	7,859.686	4,412.051	-3.65	2.1
3565,502094	3297,563044		51705F84b	STWO	10	3565,502094	3444,493396		53	F	F84b	51705F84b	STWO	11	9	-2	-1	3,112.304	3,144.662	-1.55	-1.7
4122,224361	2730,902436		51713F84a	EGWO	35	4122,224361	2678,216667		12	F	F84a	51713F84a	EGWO	31	34	3	4	4,694.765	2,722.199	2.65	2.1
4029,579916	3740,664058		51713F84a	STWO	14	4029,579916	4133,276805		28	F	F84a	51713F84a	STWO	9	8	-1	5	4,694.765	3,567.125	-1.55	5.9
4260,889605	2692,406274		51721F84a	EGWO	38	4260,889605	2636,202958		31	F	F84a	51721F84a	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1
4033,701356	3455,03099		51721F84a	STWO	24	4033,701356	2827,74503		6	F	F84a	51721F84a	STWO	17	14	-3	7	4,694.765	3,567.125	-3.65	5.9
4216,75912	2685,97662		51748F84a	EGWO	38	4216,75912	2464,991746		30	F	F84a	51748F84a	EGWO	31	35	4	7	4,694.765	2,722.199	4.75	5.9
3850	3504,470815		51748F84a	STWO	14	3850	3560,565		48	F	F84a	51748F84a	STWO	10	9	-1	4	3,112.304	3,567.125	-1.55	2.1
3800	3337,720924		51756F84a	STWO	19	3800	2586,56		1	F	F84a	51756F84a	STWO	13	11	-2	6	3,112.304	3,144.662	-1.55	5.9
4066,405098	2692,475045		51764F84a	EGWO	34	4066,405098	2653,176241		68	F	F84a	51764F84a	EGWO	30	34	4	4	4,694.765	2,722.199	4.75	2.1
3827,659136	3336,998378		51764F84a	STWO	24	3827,659136	2826,727997		64	F	F84a	51764F84a	STWO	14	13	-1	10	3,112.304	3,144.662	-1.55	9.7
4065,127326	2617,937072		51772F84a	EGWO	38	4065,127326	2464,981865		16	F	F84a	51772F84a	EGWO	34	35	1	4	4,694.765	2,722.199	0.55	2.1
4051,933058	2674,732209		51780F84a	EGWO	37	4051,933058	2522,395798		21	F	F84a	51780F84a	EGWO	30	34	4	7	4,694.765	2,722.199	4.75	5.9
4193,361491	2682,709456		51799F84a	EGWO	38	4193,361491	2614,810042		62	F	F84a	51799F84a	EGWO	32	36	4	6	4,694.765	2,722.199	4.75	5.9
3864,001908	3417,062512		51799F84a	STWO	24	3864,001908	2790,697099		6	F	F84a	51799F84a	STWO	14	11	-3	10	3,112.304	3,567.125	-3.65	9.7
3885,526316	3370,593579		51802F84a	STWO	24	3885,526316	2649,880017		8	F	F84a	51802F84a	STWO	15	13	-2	9	3,112.304	3,567.125	-1.55	9.7
4100,951796	2645,987621		51810F84a	EGWO	38	4100,951796	2552,572517		54	F	F84a	51810F84a	EGWO	32	35	3	6	4,694.765	2,722.199	2.65	5.9
3652,286513	3369,693405		51810F84a	STWO	19	3652,286513	2767,126667		3	F	F84a	51810F84a	STWO	13	11	-2	6	3,112.304	3,567.125	-1.55	5.9
4104,534567	2627,589841		51829F84a	EGWO	38	4104,534567	2533,967		72	F	F84a	51829F84a	EGWO	31	36	5	7	4,694.765	2,722.199	4.75	5.9
3763,412453	3375,675424		51829F84a	STWO	24	3763,412453	2714,875097		19	F	F84a	51829F84a	STWO	10	10	0	14	3,112.304	3,567.125	0.55	13.5
3928,571429	2549,252736		51837F84a	EGWO	35	3928,571429	2538,95		8	F	F84a	51837F84a	EGWO	33	35	2	2	4,694.765	2,722.199	2.65	2.1
3788,611475	3363,380638		51837F84a	STWO	24	3788,611475	2687,178612		8	F	F84a	51837F84a	STWO	13	11	-2	11	3,112.304	3,567.125	-1.55	9.7
7680,572379	4089,422436		51845K25a	STWO	49	7680,572379	3171,769143		37	K	K25a	51845K25a	STWO	47	43	-4	2	7,859.686	3,989.588	-3.65	2.1
4699,295544	2752,935043		51861N65c	EGWO	38	4699,295544	2771,113294		8	N	N65c	51861N65c	EGWO	30	38	8	8	4,694.765	2,722.199	8.95	9.7
4523,590841	3782,694687		51861N65c	STWO	13	4523,590841	3939,810959		55	N	N65c	51861N65c	STWO	17	16	-1	-4	4,694.765	3,989.588	-1.55	-5.5
4536,035201	2723,070313		51888N65c	EGWO	38	4536,035201	2663,035007		98	N	N65c	51888N65c	EGWO	35	38	3	3	4,694.765	2,722.199	2.65	2.1
4513,658474	3829,044857		51888N65c	STWO	11	4513,658474	4038,150229		36	N	N65c	51888N65c	STWO	19	15	-4	-8	4,694.765	3,989.588	-3.65	-9.3
4322,590295	2702,909946		51896N65c	EGWO	38	4322,590295	2601,663687		22	N	N65c	51896N65c	EGWO	30	37	7	8	4,694.765	2,722.199	6.85	9.7
4200	3745,469521		51896N65c	STWO	8	4200	3983,09		10	N	N65c	51896N65c	STWO	16	11	-5	-8	4,694.765	3,567.125	-5.75	-9.3
4764,941022	2757,679469		51918N65c	EGWO	38	4764,941022	2801,213189		10	N	N65c	51918N65c	EGWO	35	38	3	3	4,694.765	2,722.199	2.65	2.1
4634,804618	3806,706451		51918N65c	STWO	14	4634,804618	3964,748205		55	N	N65c	51918N65c	STWO	21	18	-3	-7	4,694.765	3,989.588	-3.65	-5.5
4037,865148	3672,068645		51926N65c	STWO	10	4037,865148	3512,413462		45	N	N65c	51926N65c	STWO	16	10	-6	-6	4,694.765	3,567.125	-5.75	-5.5
4499,555556	3765,918661		51934N65c	STWO	13	4499,555556	3893,02849		30	N	N65c	51934N65c	STWO	20	16	-4	-7	4,694.765	3,567.125	-3.65	-5.5
4603,072985	3809,251525		51969N65c	STWO	13	4603,072985	3998,972744		63	N	N65c	51969N65c	STWO	20	17	-3	-7	4,694.765	3,989.588	-3.65	-5.5
4221,317148	3592,929181		52000T98a	STWO	19	4221,317148	4224,812046		15	T	T98a	52000T98a	STWO	17	19	2	2	4,694.765	3,567.125	2.65	2.1
9566,153846			52027K47c	EGWO	49	9566,153846	2362,2723		1	K	K47c	52027K47c	EGWO		49			9,442.146			
7996,805112			52027K47f	EGWO	49	7996,805112	3158,9719		1	K	K47f	52027K47f	EGWO	49	49	0	0	7,859.686		0.55	-1.7
5820,627032	4198,654285		52027K47f	STWO	49	5820,627032	2553,264209		6	K	K47f	52027K47f	STWO	48	46	-2	1	6,277.225	3,989.588	-1.55	2.1
6115,461065	3427,137173		52035M33h	EGWO	42	6115,461065	3518,124439		18	M	M33h	52035M33h	EGWO	46	44	-2	-4	6,277.225	3,567.125	-1.55	-5.5
4543,527067	3714,615263		52035M33h	STWO	15	4543,527067	3777,843291		71	M	M33h	52035M33h	STWO	21	17	-4	-6	4,694.765	3,567.125	-3.65	-5.5
5096,661365	3966,727763		52043M33h	STWO	13	5096,661365	4507,919958		112	M	M33h	52043M33h	STWO	26	21	-5	-13	4,694.765	3,989.588	-5.75	-13.1
4863,42097	3817,39447		52051M33h	STWO	17	4863,42097	3952,429865		92	M	M33h	52051M33h	STWO	24	20	-4	-7	4,694.765	3,989.588	-3.65	-5.5
5073,421819	3964,006901		52078M33h	STWO	13	5073,421819	4503,287454		80	M	M33h	52078M33h	STWO	25	21	-4	-12	4,694.765	3,989.588	-3.65	-13.1
5322,423431	3930,155081		52086M33h	STWO	23	5322,423431	3974,548855		93	M	M33h	52086M33h	STWO	28	25	-3	-5	4,694.765	3,989.588	-3.65	-5.5
5774,175025	4112,311391		52094M33h	STWO	21	5774,175025	4557,510501		114	M	M33h	52094M33h	STWO	30	27	3	9	6,277.225	3,989.588	3.65	9.3
6303,444576	4266,196926		52116A09i	STWO	32	6303,444576	4665,917026		109	A	A09i	52116A09i	STWO	34	32	-2	-2	6,277.225	4,412.051	-1.55	-1.7
6588,90807	4110,377758		52124A09i	STWO	42	6588,90807	3555,312715		71	A	A09i	52124A09i	STWO	40	38	-2	2	6,277.225	3,989.588	-1.55	2.1
4469,512698	2850,52371		52167F77c	EGWO	35	4469,512698	2828,77672		23	F	F77c	52167F77c	EGWO	32	36	4	3	4,694.765	2,722.199	4.75	2.1
4450,70708	2738,363265		52175F77c	EGWO	35	4450,70708	2720,332494		9	F	F77c	52175F77c	EGWO	34	36	2	1	4,694.765	2,722.199	2.65	2.1
4415,073337	2747,912624		52183F77c	EGWO	35	4415,073337	2753,664302		6	F	F77c	52183F77c	EGWO	32	36	4	3	4,694.765	2,722.199	4.75	2.1
4473,504246	2854,974483		52191F77c	EGWO	35	4473,504246	2827,319982		10	F	F77c	52191F77c	EGWO	31	36	5	4	4,694.765	2,722.199	4.75	2.1
4256,518955	2782,080125		52205F77c	EGWO	35	4256,518955	2775,540338		16	F	F77c	52205F77c	EGWO	30	35	5	5	4,694.765	2,722.199	4.75	5.9
4627,321033	2952,881386		52213F77c	EGWO	35	4627,321033	2957,274514		8	F	F77c	52213F77c	EGWO	32	36	4	3	4,694.765	3,144.662	4.75	2.1
4470,221125	2968,045015		52221F77c	EGWO	35	4470,221125	2906,457942		5	F	F77c	52221F77c	EGWO	30	34	4	5	4,694.765	3,144.662	4.75	5.9
4775,456406	2944,073832		52264N66g	EGWO	35	4775,456406	3074,927016		15	N	N66g	52264N66g	EGWO	33	38	5	2	4,694.765	3,144.662	4.75	2.1
4150,281955	2631,862026		52272N66g	EGWO	38	4150,281955	2558,616684		13	N	N66g	52272N66g	EGWO	32	37	5	6	4,694.765	2,722.199	4.75	5.9
4023,550725	2711,063075	[redacted]	52280N66g	EGWO	33	4023,550725	2713,926667	[redacted]	6	N	N66g	52280N66g	EGWO	32	33	1	1	4,694.765	2,722.199	0.55	2.1

4021,73913	2710,688204	[redacted]	52299N66g	EGWO	33	4021,73913	2713,926657	[redacted]	6	N	N66g	52299N66g	EGWO	32	33	1	1	4,694.765	2,722.199	0.55	2.1
3936,675256	2600,20117		52302N66g	EGWO	36	3936,675256	2507,309935		11	N	N66g	52302N66g	EGWO	34	34	0	2	4,694.765	2,722.199	0.55	2.1
4597,81301	3884,226846		52310N66g	STWO	8	4597,81301	4235,07173		88	N	N66g	52310N66g	STWO	14	15	1	-6	4,694.765	3,989.588	0.55	-5.5
4511,812195	3886,870764		52329N66g	STWO	7	4511,812195	4261,26849		78	N	N66g	52329N66g	STWO	10	14	4	-3	4,694.765	3,989.588	4.75	-1.7
4330,058058	2871,571297		52337N66g	EGWO	34	4330,058058	2793,950623		6	N	N66g	52337N66g	EGWO	31	34	3	3	4,694.765	2,722.199	2.65	2.1
4236,535769	3696,916003		52337N66g	STWO	8	4236,535769	3926,677254		100	N	N66g	52337N66g	STWO	15	13	-2	-7	4,694.765	3,567.125	-1.55	-5.5
3780,558858	2559,570589		52345N66g	EGWO	33	3780,558858	2556,033889		18	N	N66g	52345N66g	EGWO	33	32	-1	0	3,112.304	2,722.199	-1.55	-1.7
4020,113331	2617,399382		52353N66g	EGWO	36	4020,113331	2560,303721		22	N	N66g	52353N66g	EGWO	32	35	3	4	4,694.765	2,722.199	2.65	2.1
3870,419382	2599,645074		52361N66g	EGWO	33	3870,419382	2582,7615		20	N	N66g	52361N66g	EGWO	33	33	0	0	3,112.304	2,722.199	0.55	-1.7
3861,497933	2615,009381		52388N66g	EGWO	33	3861,497933	2603,974		10	N	N66g	52388N66g	EGWO	33	32	-1	0	3,112.304	2,722.199	-1.55	-1.7
4169,473615	2630,725715		52396N66g	EGWO	37	4169,473615	2609,484682		9	N	N66g	52396N66g	EGWO	35	37	2	2	4,694.765	2,722.199	2.65	2.1
4105,913198	3625,57116		52434N66g	STWO	9	4105,913198	3948,468014		147	N	N66g	52434N66g	STWO	10	12	2	-1	4,694.765	3,567.125	2.65	-1.7
4979,074831	4007,927746		52442N60c	STWO	27	4979,074831	4325,834289		15	N	N60c	52442N60c	STWO	20	19	-1	7	4,694.765	3,989.588	-1.55	5.9
4955,611022	3995,375048		52469N60c	STWO	27	4955,611022	4293,56286		15	N	N60c	52469N60c	STWO	19	19	0	8	4,694.765	3,989.588	0.55	9.7
5338,206408	2896,049862		52477N70f	EGWO	48	5338,206408	2796,175708		23	N	N70f	52477N70f	EGWO	43	46	3	5	4,694.765	2,722.199	2.65	5.9
5155,733305	3955,06677		52477N70f	STWO	8	5155,733305	4738,37855		67	N	N70f	52477N70f	STWO	18	19	1	-10	4,694.765	3,989.588	0.55	-9.3
5026,517274	4034,029199		52485N60c	STWO	27	5026,517274	4306,889951		15	N	N60c	52485N60c	STWO	20	20	0	7	4,694.765	3,989.588	0.55	5.9
5204,861111			52515M29c	EGWO	49	5204,861111			1	M	M29c	52515M29c	EGWO	49	49	0	0	4,694.765		0.55	-1.7
6593,034671	3952,189051		52515M29c	STWO	47	6593,034671	3583,945114		48	M	M29c	52515M29c	STWO	42	40	-2	5	6,277.225	3,989.588	-1.55	5.9
4828,006173	3547,095483		52523K91c	STWO	34	4828,006173	3140,783509		138	K	K91c	52523K91c	STWO	32	27	-5	2	4,694.765	3,567.125	-5.75	2.1
5146,066089	3709,027162		52531K91c	STWO	33	5146,066089	3464,101098		102	K	K91c	52531K91c	STWO	31	28	-3	2	4,694.765	3,567.125	-3.65	2.1
3940,842491	2528,081114		52566F84a	EGWO	37	3940,842491	2361,361706		42	F	F84a	52566F84a	EGWO	32	34	2	5	4,694.765	2,722.199	2.65	5.9
4102,473817	3564,935287		52566F84a	STWO	14	4102,473817	3699,650922		48	F	F84a	52566F84a	STWO	15	13	-2	-1	4,694.765	3,567.125	-1.55	-1.7
4035,221297	2634,5788		52574F84a	EGWO	34	4035,221297	2574,270869		32	F	F84a	52574F84a	EGWO	33	34	1	1	4,694.765	2,722.199	0.55	2.1
3987,325998	3510,008358		52574F84a	STWO	24	3987,325998	2920,953889		12	F	F84a	52574F84a	STWO	12	12	0	12	4,694.765	3,567.125	0.55	13.5
4323,577724	2710,637968		52582F84a	EGWO	39	4323,577724	2606,434888		16	F	F84a	52582F84a	EGWO	34	37	3	5	4,694.765	2,722.199	2.65	5.9
4004,578696	3382,573299		52582F84a	STWO	24	4004,578696	2654,105088		5	F	F84a	52582F84a	STWO	16	15	-1	8	4,694.765	3,567.125	-1.55	9.7
3832,357778	3327,723279		52590F84a	STWO	24	3832,357778	2574,174558		16	F	F84a	52590F84a	STWO	18	13	-5	6	3,112.304	3,144.662	-5.75	5.9
3913,043478	2606,791916		52612F84a	EGWO	32	3913,043478	2648,9		14	F	F84a	52612F84a	EGWO	33	33	0	-1	4,694.765	2,722.199	0.55	-1.7
3898,096228	3595,388135		52612F84a	STWO	14	3898,096228	3626,224261		46	F	F84a	52612F84a	STWO	13	9	-4	1	3,112.304	3,567.125	-3.65	2.1
3928,330842	2583,376229		52620F84a	EGWO	37	3928,330842	2460,910492		35	F	F84a	52620F84a	EGWO	31	34	3	6	4,694.765	2,722.199	2.65	5.9
3707,822843	3371,874705		52620F84a	STWO	24	3707,822843	2726,12538		10	F	F84a	52620F84a	STWO	15	9	-6	9	3,112.304	3,567.125	-5.75	9.7
3842,927578	2604,54391		52639F84a	EGWO	33	3842,927578	2545,450407		38	F	F84a	52639F84a	EGWO	31	32	1	2	3,112.304	2,722.199	0.55	2.1
3838,336334	3443,581555		52639F84a	STWO	24	3838,336334	2837,975354		22	F	F84a	52639F84a	STWO	14	10	-4	10	3,112.304	3,567.125	-3.65	9.7
3971,751854	2583,059114		52647F84a	EGWO	37	3971,751854	2465,581243		36	F	F84a	52647F84a	EGWO	32	35	3	5	4,694.765	2,722.199	2.65	5.9
4068,855487	3400,739407		52647F84a	STWO	24	4068,855487	2698,289125		6	F	F84a	52647F84a	STWO	17	16	-1	7	4,694.765	3,567.125	-1.55	5.9
3838,688366	2597,579711		52655F84a	EGWO	33	3838,688366	2572,226404		44	F	F84a	52655F84a	EGWO	31	32	1	2	3,112.304	2,722.199	0.55	2.1
3806,320461	3476,394607		52655F84a	STWO	16	3806,320461	3324,118535		92	F	F84a	52655F84a	STWO	14	9	-5	2	3,112.304	3,567.125	-5.75	2.1
4180,350977	2670,234011		52663F84a	EGWO	37	4180,350977	2619,284553		38	F	F84a	52663F84a	EGWO	33	36	3	4	4,694.765	2,722.199	2.65	2.1
3831,567485	2583,540015		52671F84a	EGWO	36	3831,567485	2431,603478		36	F	F84a	52671F84a	EGWO	30	33	3	6	3,112.304	2,722.199	2.65	5.9
3962,77085	3376,70123		52671F84a	STWO	24	3962,77085	2652,911265		12	F	F84a	52671F84a	STWO	18	15	-3	6	4,694.765	3,567.125	-3.65	5.9
3815,856481	3339,694221		52698F84a	STWO	19	3815,856481	2581,545		4	F	F84a	52698F84a	STWO	13	11	-2	6	3,112.304	3,144.662	-1.55	5.9
3970,404412	3368,501146		52701F84a	STWO	19	3970,404412	2590,086191		4	F	F84a	52701F84a	STWO	13	11	-2	6	4,694.765	3,567.125	-1.55	5.9
3785,89939	3331,471253		52728F84a	STWO	19	3785,89939	2576,53		4	F	F84a	52728F84a	STWO	13	11	-2	6	3,112.304	3,144.662	-1.55	5.9
4696,697916	2893,284703		52736F84a	EGWO	35	4696,697916	3042,770895		19	F	F84a	52736F84a	EGWO	34	38	4	1	4,694.765	2,722.199	4.75	2.1
5445,982043	4766,110537		52833F11f	STWO		5445,982043	3621,638657		212	F	F11f	52833F11f	STWO					4,694.765	4,834.514		
5329,199017	4798,747462		52841F11f	STWO		5329,199017	3645,4589		447	F	F11f	52841F11f	STWO					4,694.765	4,834.514		
5371,428571	3761,098002		52868F11a	STWO		5371,428571	2787,18		2	F	F11a	52868F11a	STWO					4,694.765	3,567.125		
7477,571822	4397,11285		53058A08d	STWO	44	7477,571822	4208,870088		65	A	A08d	53058A08d	STWO	46	42	-4	-2	7,859.686	4,412.051	-3.65	-1.7
6275,889429	4168,025908		53082A09d	STWO	40	6275,889429	3779,548178		87	A	A09d	53082A09d	STWO	36	33	-3	4	6,277.225	3,989.588	-3.65	2.1
5964,472322	3999,806424		53090A09d	STWO	44	5964,472322	3383,016895		68	A	A09d	53090A09d	STWO	37	34	-3	7	6,277.225	3,989.588	-3.65	5.9
6044,25092	4021,492219		53104A09c	STWO	36	6044,25092	3438,194273		91	A	A09c	53104A09c	STWO	36	33	-3	0	6,277.225	3,989.588	-3.65	-1.7
3866,27907	3216,298232		53120N72a	STWO	43	3866,27907	2157,19		1	N	N72a	53120N72a	STWO					3,112.304	3,144.662		
4736,398308	2683,562106		53139N70d	EGWO	47	4736,398308	2469,011327		12	N	N70d	53139N70d	EGWO	39	43	4	8	4,694.765	2,722.199	4.75	9.7
6471,179075	4131,089102		53147K54d	STWO	45	6506,595988	3661,364103		32	K	K54d	53147K54d	STWO	41	39	-2	4	6,277.225	3,989.588	-1.55	2.1
5346,025406	3736,835173		53171M55c	STWO	32	5346,025406	3804,594288		64	M	M55c	53171M55c	STWO	30	35	5	2	4,694.765	3,567.125	4.75	2.1
6020,735281	3937,555299		53198M55c	STWO	36	6020,735281	3877,029238		16	M	M55c	53198M55c	STWO	31	35	4	5	6,277.225	3,989.588	4.75	5.9
5699,279499	3872,694492		53201M55c	STWO	32	5699,279499	3838,725376		45	M	M55c	53201M55c	STWO	31	32	1	1	6,277.225	3,989.588	0.55	2.1
5872,868217	2898,876412		53236M55c	EGWO	49	5872,868217	2521,67188		20	M	M55c	53236M55c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5944,96124	2938,607896		53244M55c	EGWO	49	5944,96124	2528,807631		20	M	M55c	53244M55c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5709,767587	3883,458984		53244M55c	STWO	32	5709,767587	3834,477741		53	M	M55c	53244M55c	STWO	30	32	2	2	6,277.225	3,989.588	2.65	2.1
5786,486373	3824,602741		53252M55c	STWO	33	5786,486373	3819,741933		85	M	M55c	53252M55c	STWO	33	34	1	0	6,277.225	3,989.588	0.55	-1.7
6744,640742	4196,50734		53279A09h	STWO	35	6744,640742	4571,435254		28	A	A09h	53279A09h	STWO	38	37	-1	-3	6,277.225	3,989.588	-1.55	-1.7
6945,612828	4357,798515		53287A09h	STWO	36	6945,612828	4358,712453		27	A	A09h	53287A09h	STWO	37	36	-1	-1	6,277.225	4,412.051	-1.55	-1.7
7019,143314	4369,772352		53295A09h	STWO	35	7019,143314	4595,678343		23	A	A09h	53295A09h	STWO	39	38	-1	-4	6,277.225	4,412.051	-1.55	-5.5
6628,75115	4075,105721		53317A09c	STWO	36	6628,75115	3979,628738		138	A	A09c	53317A09c	STWO	37	39	2	-1	6,277.225	3,989.588	2.65	-1.7
6098,104729	4006,948365		53325A09c	STWO	36	6098,104729	3521,971226		64	A	A09c	53325A09c	STWO	35	34	-1	1	6,277.225	3,989.588	-1.55	2.1
3924,582579	2659,880572		53341F79b	EGWO	31	3924,582579	2724,230321		30	F	F79b	53341F79b	EGWO	27	32	5	4	4,694.765	2,722.199	4.75	2.1
4089,856097	3705,089461		53341F79b	STWO	7	4089,856097	3911,757049		74	F	F79b	53341F79b	STWO	12	9	-3	-5	4,694.765	3,567.125	-3.65	-5.5
4274,829538	2872,118311		53368F79b	EGWO	32	4274,829538	2884,738729		16	F	F79b	53368F79b	EGWO	35	33	-2	-3	4,694.765	2,722.199	-1.55	-1.7
4292,829401	2679,047496		53376F79b	EGWO	32	4292,829401	2823,257029		60	F	F79b	53376F79b	EGWO	30	36	6	2	4,694.765	2,722.199	6.85	2.1
4445,187293	3446,531518		53376F79b	STWO	10	4445,187293	2622,098145		3	F	F79b	53376F79b	STWO	13	12	-1	-3	4,694.765	3,567.125	-1.55	-1.7
4244,108557	2692,847752		53384F79b	EGWO	29	4244,108557	3021,365791		48	F	F79b	53384F79b	EGWO	28	34	6	1	4,694.765	2,722.199	6.85	2.1
3849,644381	3313,285016		53384F79b	STWO	10	3849,644381	2487,82		3	F	F79b	53384F79b	STWO	13	12	-1	-3	3,112.304	3,144.662	-1.55	-1.7
4044,406591	2860,434112		53392F79b	EGWO	30	4044,406591	2940,629107		46	F	F79b	53392F79b	EGWO	25	32	7	5	4,694.765	2,722.199	6.85	5.9
4322,498717	2705,009961		53406F79b	EGWO	36	4322,498717	2558,217814		47	F	F79b	53406F79b	EGWO	31	37	6	5	4,694.765	2,722.199	6.85	5.9
4093,355045	2721,745625		53414F79b	EGWO	31	4097,211771	2750,442434		42	F	F79b	53414F79b	EGWO	30	34	4	1	4,694.765	2,722.199	4.75	2.1
4024,724632	2567,998848		53422F79b	EGWO	35	4024,724632	2599,207288		93	F	F79b	53422F79b	EGWO	31	36	5	4	4,694.765	2,722.199	4.75	2.1
4671,428571	3604,480319		53422F79b	STWO	10	4671,428571	2926,624691		1	F	F79b	53422F79b	STWO	13	12	-1	-3	4,694.765	3,567.125	-1.55	-1.7
3966,721717	2525,336055		53430F79b	EGWO	38	3966,721717	2440,841111		108	F	F79b	53430F79b	EGWO	31	36	5	7	4,694.765	2,722.199	4.75	5.9
4178,571429	3617,441893		53430F79b	STWO	10	4178,571429	3378,945		2	F	F79b	53430F79b	STWO	13	12	-1	-3	4,694.765	3,567.125	-1.55	-1.7
3909,782682	2590,383054		53449F79b	EGWO	34	3909,782682	2567,138703		120	F	F79b	53449F79b	EGWO	30	34	4	4	4,694.765	2,722.199	4.75	2.1
4893,79845	3845,832137		53449F79b	STWO	10	4893,79845	3177,192887		3	F	F79b	53449F79b	STWO	13	12	-1	-3	4,694.765	3,989.588	-1.55	-1.7
4541,835692	2750,079886		53457F79b	EGWO	39	4541,835692	2804,299236		23	F	F79b	53457F79b	EGWO	32	40	8	7	4,694.765	2,722.199	8.95	5.9
4255,388387	2671,502065		53473F79b	EGWO	37	4255,388387	2707,947255		20	F	F79b	53473F79b	EGWO	35	37	2	2	4,694.765	2,722.199	2.65	2.1
4525,581395	3818,314955		53481F79b	STWO	9	4525,581395	4135,38668		43	F	F79b	53481F79b	STWO	14	16	2	-5	4,694.765	3,989.588	2.65	-5.5
4252,583067	2682,203981		53503F79b	EGWO	34	4252,583067	2798,12752		13	F	F79b	53503F79b	EGWO	33	37	4	1	4,694.765	2,722.199	4.75	2.1
4614,606061	3067,067431		53538F88b	EGWO	32	4614,606061	3252,726429		14	F	F88b	53538F88b	EGWO	28	34	6	4	4,694.765	3,144.662	6.85	2.1
4763,76869	3556,019491		53538F88b	STWO	26	4763,76869	3512,233456		103	F	F88b	53538F88b	STWO	26	25	-1	0	4,694.765	3,567.125	-1.55	-1.7
4486,241545	2855,161278		53546F88b	EGWO	36	4486,241545	2890,230752		27	F	F88b	53546F88b	EGWO	32	36	4	4	4,694.765	2,722.199	4.75	2.1
4512,193191	2866,842007		53554F88b	EGWO	36	4512,193191	2895,422798		27	F	F88b	53554F88b	EGWO	32	37	5	4	4,694.765	2,722.199	4.75	2.1
4341,807425	2594,521044		53562F88b	EGWO	42	4341,807425	2435,996696		31	F	F88b	53562F88b	EGWO	37	40	3	5	4,694.765	2,722.199	2.65	5.9
4789,546562	3489,698124		53570F88b	STWO	28	4789,546562	3381,541722		92	F	F88b	53570F88b	STWO	27	26	-1	1	4,694.765	3,567.125	-1.55	2.1
4336,446316	2587,664565		53589F88b	EGWO	42	4336,446316	2448,183803		37	F	F88b	53589F88b	EGWO	37	40	3	5	4,694.765	2,722.199	2.65	5.9
4488,516943	2895,035819		53597F88b	EGWO	34	4488,516943	2930,618285		28	F	F88b	53597F88b	EGWO	31	37	6	3	4,694.765	2,722.199	6.85	2.1
4476,993848	2848,566539		53600F88b	EGWO	36	4476,993848	2869,53372		25	F	F88b	53600F88b	EGWO	32	37	5	4	4,694.765	2,722.199	4.75	2.1
4859,440559	3119,282141		53619F88b	EGWO	32	4859,440559	3341,170181		13	F	F88b	53619F88b	EGWO	28	36	8	4	4,694.765	3,144.662	8.95	2.1
4444,497265	2845,066933		53635N67b	EGWO	37	4444,497265	2692,488235		15	N	N67b	53635N67b	EGWO	32	35	3	5	4,694.765	2,722.199	2.65	5.9
4572,008052	2822,762765		53643N67b	EGWO	39	4572,008052	2664,942571		36	N	N67b	53643N67b	EGWO	35	38	3	4	4,694.765	2,722.199	2.65	2.1
4390,848188	2735,841261		53651N67b	EGWO	40	4390,848188	2612,608827		64	N	N67b	53651N67b	EGWO	35	37	2	5	4,694.765	2,722.199	2.65	5.9
4720,761306	3136,996925		53678N67b	EGWO	36	4720,761306	2996,7175		4	N	N67b	53678N67b	EGWO	32	35	3	4	4,694.765	3,144.662	2.65	2.1
4072,02202	2727,655593		53686N67b	EGWO	33	4072,02202	2707,367884		77	N	N67b	53686N67b	EGWO	28	33	5	5	4,694.765	2,722.199	4.75	5.9
4127,846041	2677,063081		53691N67b	EGWO	41	4127,846041	2592,446578		52	N	N67b	53691N67b	EGWO	37	40	3	4	4,694.765	2,722.199	2.65	2.1
4156,85761	2749,466383		53708N67b	EGWO	34	4156,85761	2726,236116		10	N	N67b	53708N67b	EGWO	30	34	4	4	4,694.765	2,722.199	4.75	2.1
3933,703019	2712,715766		53716N67b	EGWO	31	3933,703019	2740,739545		22	N	N67b	53716N67b	EGWO	28	31	3	3	4,694.765	2,722.199	2.65	2.1
4162,010626	2769,408324		53724N67b	EGWO	34	4162,010626	2758,594141		40	N	N67b	53724N67b	EGWO	30	33	3	4	4,694.765	2,722.199	2.65	2.1
4216,666667	2857,443376		53732N67b	EGWO	33	4216,666667	2821,726667		6	N	N67b	53732N67b	EGWO	30	32	2	3	4,694.765	2,722.199	2.65	2.1
4144,894671	2772,990619		53740N67b	EGWO	34	4144,894671	2752,007222		18	N	N67b	53740N67b	EGWO	30	33	3	4	4,694.765	2,722.199	2.65	2.1
4484,593838	2791,476457		53767F77d	EGWO	40	4484,593838	2678,912781		7	F	F77d	53767F77d	EGWO	34	38	4	6	4,694.765	2,722.199	4.75	5.9
3755,635089	3523,09247		53767F77d	STWO	6	3755,635089	3678,458694		51	F	F77d	53767F77d	STWO	5	6	1	1	3,112.304	3,567.125	0.55	2.1
5416,205281	3724,773575		53791M33g	STWO	30	5416,205281	3764,844707		81	M	M33g	53791M33g	STWO	32	31	-1	-2	4,694.765	3,567.125	-1.55	-1.7
5012,360851	3728,015331		53805M33g	STWO	24	5012,360851	3833,681402		105	M	M33g	53805M33g	STWO	29	26	-3	-5	4,694.765	3,567.125	-3.65	-5.5
3415,879861	2416,978679		53848N66c	EGWO	30	3415,879861	2400,202516		33	N	N66c	53848N66c	EGWO	27	29	2	3	3,112.304	2,299.736	2.65	2.1
3584,562468	2447,863222		53856N66c	EGWO	30	3584,562468	2484,342836		86	N	N66c	53856N66c	EGWO	29	31	2	1	3,112.304	2,299.736	2.65	2.1
3565,217391	3152,697169	[redacted]	53856N66c	STWO	23	3565,217391	2188,21	[redacted]	2	N	N66c	53856N66c	STWO	14	14	0	19	3,112.304	3,144.662	0.55	17.3

3951,718644	2671,775088	[redacted]	53864N66c	EGWO	30	3951,718644	2773,410934	[redacted]	71	N	N66c	53864N66c	EGWO	27	32	5	3	4,694.765	2,722.199	4.75	2.1
3778,166591	3255,123896		53864N66c	STWO	36	3778,166591	2411,272532		18	N	N66c	53864N66c	STWO	13	14	1	23	3,112.304	3,144.662	0.55	21.1
3927,296932	2672,276832		53872N66c	EGWO	30	3927,296932	2742,174063		87	N	N66c	53872N66c	EGWO	27	32	5	3	4,694.765	2,722.199	4.75	2.1
3833,35054	3307,555503		53872N66c	STWO	35	3833,35054	2498,997803		25	N	N66c	53872N66c	STWO	13	14	1	22	3,112.304	3,144.662	0.55	21.1
3295,239228	2419,93055		53880T93b	EGWO	25	3295,239228	2464,082503		20	T	T93b	53880T93b	EGWO	21	27	6	4	3,112.304	2,299.736	6.85	2.1
4009,455245	3632,169288		53899T93b	STWO	5	4009,455245	4042,003869		44	T	T93b	53899T93b	STWO	11	10	-1	-6	4,694.765	3,567.125	-1.55	-5.5
3553,352141	2542,080447		53902T93b	STWO	25	3553,352141	2674,128511		29	T	T93b	53902T93b	STWO	24	28	4	1	3,112.304	2,722.199	4.75	2.1
4963,469835	3690,558388		53937F87a	STWO	28	4963,469835	3524,952942		356	F	F87a	53937F87a	STWO	27	26	-1	1	4,694.765	3,567.125	-1.55	2.1
5001,713322	3630,473344		53945F87a	STWO	31	5001,713322	3448,744719		123	F	F87a	53945F87a	STWO	28	27	-1	3	4,694.765	3,567.125	-1.55	2.1
5051,706907	3667,468104		53953F87a	STWO	31	5051,706907	3448,87339		255	F	F87a	53953F87a	STWO	28	27	-1	3	4,694.765	3,567.125	-1.55	2.1
4024,716492	2786,995886		53968N66c	EGWO	28	4024,716492	2873,130806		12	N	N66c	53968N66c	EGWO	25	30	5	3	4,694.765	2,722.199	4.75	2.1
4190,073529	2857,502128		53996N66c	EGWO	31	4190,073529	2914,484602		17	N	N66c	53996N66c	EGWO	26	32	6	5	4,694.765	2,722.199	6.85	5.9
3549,368646	2404,823505		54003N66c	EGWO	33	3549,368646	2354,895393		58	N	N66c	54003N66c	EGWO	30	32	2	3	3,112.304	2,299.736	2.65	2.1
3502,258282	2394,807286		54011N66c	EGWO	31	3502,258282	2333,064211		19	N	N66c	54011N66c	EGWO	34	32	-2	-3	3,112.304	2,299.736	-1.55	-1.7
4237,886403			54038N66c	EGWO	29	4237,886403	2889,628		5	N	N66c	54038N66c	EGWO	29	32	3	0	4,694.765		2.65	-1.7
3969,000823	2482,551365		54062F88e	EGWO	41	3969,000823	2347,327199		20	F	F88e	54062F88e	EGWO	34	37	3	7	4,694.765	2,299.736	2.65	5.9
4162,555678	2583,385443		54070F88f	EGWO	40	4162,555678	2501,70409		41	F	F88f	54070F88f	EGWO	35	38	3	5	4,694.765	2,722.199	2.65	5.9
4802,95867	3556,257168		54070F88f	STWO	23	4802,95867	2770,132072		4	F	F88f	54070F88f	STWO	23	21	-2	0	4,694.765	3,567.125	-1.55	-1.7
4236,559882	2703,272614		54097F88f	EGWO	35	4236,559882	2754,399343		69	F	F88f	54097F88f	EGWO	32	36	4	3	4,694.765	2,722.199	4.75	2.1
4266,146546	2657,954786		54100F88f	EGWO	40	4266,146546	2574,934698		74	F	F88f	54100F88f	EGWO	34	38	4	6	4,694.765	2,722.199	4.75	5.9
4404,414982	3508,476869		54100F88f	STWO	20	4404,414982	3542,518831		208	F	F88f	54100F88f	STWO	24	21	-3	-4	4,694.765	3,567.125	-3.65	-5.5
3958,482779	2617,7871		54119F88f	EGWO	36	3958,482779	2517,459539		71	F	F88f	54119F88f	EGWO	32	34	2	4	4,694.765	2,722.199	2.65	2.1
4332,816996	2754,562989		54143F88f	EGWO	38	4332,816996	2687,330025		89	F	F88f	54143F88f	EGWO	32	36	4	6	4,694.765	2,722.199	4.75	5.9
4741,132438	2979,673201		54151F88f	EGWO	34	4741,132438	2934,547396		43	F	F88f	54151F88f	EGWO	34	38	4	0	4,694.765	3,144.662	4.75	-1.7
4453,319018	2767,549484		54178F88f	EGWO	37	4453,319018	2796,633162		40	F	F88f	54178F88f	EGWO	34	38	4	3	4,694.765	2,722.199	4.75	2.1
4191,963952	2670,975596		54186F88f	EGWO	39	4191,963952	2576,728042		23	F	F88f	54186F88f	EGWO	32	36	4	7	4,694.765	2,722.199	4.75	5.9
4125,562116	2561,474716		54194F88f	EGWO	40	4125,562116	2478,266725		28	F	F88f	54194F88f	EGWO	34	38	4	6	4,694.765	2,722.199	4.75	5.9
4140	2722,016858		54208F88f	EGWO	38	4140	2979,03		4	F	F88f	54208F88f	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1
4246,20347	2670,768959		54216F88f	EGWO	40	4246,20347	2553,456507		22	F	F88f	54216F88f	EGWO	34	37	3	6	4,694.765	2,722.199	2.65	5.9
4382,361191	2703,955774		54224F88f	EGWO	39	4382,361191	2669,890756		51	F	F88f	54224F88f	EGWO	35	38	3	4	4,694.765	2,722.199	2.65	2.1
4248,729836	2558,389439		54232F88f	EGWO	43	4248,729836	2406,133922		40	F	F88f	54232F88f	EGWO	37	40	3	6	4,694.765	2,722.199	2.65	5.9
4853,418803	3732,129695		54232F88f	STWO	21	4853,418803	3836,208568		26	F	F88f	54232F88f	STWO	18	23	5	3	4,694.765	3,567.125	4.75	2.1
7368,887124	4269,639943		54267A07d	STWO	46	7368,887124	3315,203928		27	A	A07d	54267A07d	STWO	45	42	-3	1	7,859.686	4,412.051	-3.65	2.1
4254,34277	2716,420167		54283F88e	EGWO	38	4254,34277	2618,422949		57	F	F88e	54283F88e	EGWO	32	35	3	6	4,694.765	2,722.199	2.65	5.9
4737,373737	3459,701331		54283F88e	STWO	16	4737,373737	2558,372219		1	F	F88e	54283F88e	STWO	17	16	-1	-1	4,694.765	3,567.125	-1.55	-1.7
4297,647923	2694,848746		54291F88e	EGWO	39	4297,647923	2630,598722		148	F	F88e	54291F88e	EGWO	34	37	3	5	4,694.765	2,722.199	2.65	5.9
4288,269311	2654,848831		54305F88e	EGWO	38	4288,269311	2503,958776		65	F	F88e	54305F88e	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1
4325,110899	2791,92327		54348F88e	EGWO	36	4325,110899	2781,418904		18	F	F88e	54348F88e	EGWO	32	36	4	4	4,694.765	2,722.199	4.75	2.1
4351,243206	3454,383236		54348F88e	STWO	21	4351,243206	2558,835267		16	F	F88e	54348F88e	STWO	17	21	4	4	4,694.765	3,567.125	4.75	2.1
4227,710135	2597,381986		54356F88e	EGWO	42	4227,710135	2467,521937		58	F	F88e	54356F88e	EGWO	35	39	4	7	4,694.765	2,722.199	4.75	5.9
4238,484848	2646,145498		54364F88e	EGWO	39	4238,484848	2599,534074		3	F	F88e	54364F88e	EGWO	34	37	3	5	4,694.765	2,722.199	2.65	5.9
4201,702611	2625,610291		54372F88e	EGWO	39	4201,702611	2529,662232		59	F	F88e	54372F88e	EGWO	33	37	4	6	4,694.765	2,722.199	4.75	5.9
4035,247761	3401,589284		54372F88e	STWO	14	4035,247761	3455,585398		96	F	F88e	54372F88e	STWO	16	16	0	-2	4,694.765	3,567.125	0.55	-1.7
4032,545455	2531,724555		54380F88e	EGWO	40	4032,545455	2410,218571		7	F	F88e	54380F88e	EGWO	33	37	4	7	4,694.765	2,722.199	4.75	5.9
5399,268982	4157,281855		54380F88f	STWO	28	5399,268982	3595,886683		54	F	F88f	54380F88f	STWO	21	20	-1	7	4,694.765	3,989.588	-1.55	5.9
4148,890008	3339,964823		54380F88g	STWO	26	4148,890008	3086,242384		51	F	F88g	54380F88g	STWO	20	19	-1	6	4,694.765	3,144.662	-1.55	5.9
4039,636903	2532,711856		54380F88h	EGWO	41	4039,636903	2384,951538		39	F	F88h	54380F88h	EGWO	34	37	3	7	4,694.765	2,722.199	2.65	5.9
4285,077289	2550,192618		54380F88i	EGWO	43	4285,077289	2339,403976		29	F	F88i	54380F88i	EGWO	37	40	3	6	4,694.765	2,722.199	2.65	5.9
5720,133815			54380F88i	STWO	19	5720,133815	4867,378569		13	F	F88i	54380F88i	STWO	20	20	0	-1	6,277.225		0.55	-1.7
5059,7557	3976,593534		54437F88g	STWO	26	5059,7557	3707,302579		32	F	F88g	54437F88g	STWO	22	21	-1	4	4,694.765	3,989.588	-1.55	2.1
4082,49117	3457,229312		54445F88g	STWO	16	4082,49117	3420,192673		101	F	F88g	54445F88g	STWO	16	15	-1	0	4,694.765	3,567.125	-1.55	-1.7
4076,752251	3296,343613		54453F88g	STWO	24	4076,752251	3106,781535		140	F	F88g	54453F88g	STWO	20	19	-1	4	4,694.765	3,144.662	-1.55	2.1
4224,990214	3400,250567		54461F88g	STWO	19	4224,990214	3335,225466		20	F	F88g	54461F88g	STWO	18	17	-1	1	4,694.765	3,567.125	-1.55	2.1
4102,869535	3419,843927		54488F88g	STWO	18	4102,869535	3341,364528		45	F	F88g	54488F88g	STWO	19	16	-3	-1	4,694.765	3,567.125	-3.65	-1.7
5573,676797	3768,049878		54496M33d	STWO	35	5573,676797	3558,686399		399	M	M33d	54496M33d	STWO	35	33	-2	0	6,277.225	3,567.125	-1.55	-1.7
5942,812049	3842,071334		54518M33d	STWO	39	5942,812049	2674,809234		27	M	M33d	54518M33d	STWO	38	36	-2	1	6,277.225	3,989.588	-1.55	2.1
5147,54766	3839,181434		54526M33d	STWO	29	5147,54766	3793,664048		182	M	M33d	54526M33d	STWO	32	27	-5	-3	4,694.765	3,989.588	-5.75	-1.7
5217,211343	3929,520906		54534M33d	STWO	34	5217,211343	3459,769934		26	M	M33d	54534M33d	STWO	32	28	-4	2	4,694.765	3,989.588	-3.65	2.1
5268,784271	4266,821366		54585F88j	STWO	29	5268,784271	4630,29		3	F	F88j	54585F88j	EGWO	27	30	3	2	4,694.765	4,412.051	2.65	2.1
6647,197307	4067,586745		54593E17a	STWO	48	6647,197307	3917,25286		16	E	E17a	54593E17a	STWO	39	39	0	9	6,277.225	3,989.588	0.55	9.7
3812,186656	3319,45862		54690N69l	STWO	11	3812,186656	3376,33766		142	N	N69l	54690N69l	STWO	8	13	5	3	3,112.304	3,144.662	4.75	2.1
5469,315858	3748,408839		54712M33b	STWO	32	5469,315858	3700,794911		71	M	M33b	54712M33b	STWO	34	32	-2	-2	4,694.765	3,567.125	-1.55	-1.7
5278,599568	3805,374402		54712M33g	STWO	27	5278,599568	3883,008862		93	M	M33g	54712M33g	STWO	30	29	-1	-3	4,694.765	3,989.588	-1.55	-1.7
4228,820536	2761,889357		54739F88j	EGWO	34	4228,820536	2637,852759		14	F	F88j	54739F88j	EGWO	30	34	4	4	4,694.765	2,722.199	4.75	2.1
3978,135079	2640,749248		54755F78b	EGWO	35	3978,135079	2571,285566		37	F	F78b	54755F78b	EGWO	33	34	1	2	4,694.765	2,722.199	0.55	2.1
3322,538796	2523,285881		54763T96b	EGWO	22	3322,538796	2586,694706		51	T	T96b	54763T96b	EGWO	24	24	0	-2	3,112.304	2,722.199	0.55	-1.7
4972,077028	3501,665122		54879F87a	STWO	34	4972,077028	3023,515086		99	F	F87a	54879F87a	STWO	31	29	-2	3	4,694.765	3,567.125	-1.55	2.1
6788,397681	4302,795695		54887A09i	STWO	35	6788,397681	4418,526503		70	A	A09i	54887A09i	STWO	40	37	-3	-5	6,277.225	4,412.051	-3.65	-5.5
4778,689731	2782,774208		54895F88i	EGWO	41	4778,689731	2787,240849		162	F	F88i	54895F88i	EGWO	38	42	4	3	4,694.765	2,722.199	4.75	2.1
4647,75497	3556,640647		54895F88i	STWO	25	4647,75497	3487,659911		34	F	F88i	54895F88i	STWO	24	23	-1	1	4,694.765	3,567.125	-1.55	2.1
4613,272812	2821,327927		54909F88i	EGWO	38	4613,272812	2878,240407		110	F	F88i	54909F88i	EGWO	35	39	4	3	4,694.765	2,722.199	4.75	2.1
4663,298838	2878,98658		54917F88i	EGWO	36	4663,298838	2990,05526		16	F	F88i	54917F88i	EGWO	34	38	4	2	4,694.765	2,722.199	4.75	2.1
4682,91234	2884,597609		54925F88i	EGWO	35	4682,91234	2862,549006		66	F	F88i	54925F88i	EGWO	35	38	3	0	4,694.765	2,722.199	2.65	-1.7
4655,839823	3594,80263		54925F88i	STWO	29	4655,839823	3250,862366		12	F	F88i	54925F88i	STWO	21	22	1	8	4,694.765	3,567.125	0.55	9.7
4326,470832	2600,698145		54933F88i	EGWO	40	4326,470832	2573,589234		7	F	F88i	54933F88i	EGWO	38	40	2	2	4,694.765	2,722.199	2.65	2.1
4217,871446	3489,897174		54933F88i	STWO	19	4217,871446	3457,048823		122	F	F88i	54933F88i	STWO	17	17	0	2	4,694.765	3,567.125	0.55	2.1
4444,336654	2725,123061		54941F88i	EGWO	40	4444,336654	2676,983252		10	F	F88i	54941F88i	EGWO	35	39	4	5	4,694.765	2,722.199	4.75	5.9
4300,872103	2684,419941		54968F88i	EGWO	38	4300,872103	2536,994375		39	F	F88i	54968F88i	EGWO	36	37	1	2	4,694.765	2,722.199	0.55	2.1
4483,32979	3543,576102		54968F88i	STWO	23	4483,32979	3493,01933		41	F	F88i	54968F88i	STWO	22	22	0	1	4,694.765	3,567.125	0.55	2.1
4791,984733	2999,980182		54992F88i	EGWO	38	4791,984733	3043,895969		4	F	F88i	54992F88i	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
4837,78626	3009,457826		55018F88i	EGWO	38	4837,78626	3070,131908		4	F	F88i	55018F88i	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
4896,946565	3021,699781		55026F88i	EGWO	38	4896,946565	3095,763816		4	F	F88i	55026F88i	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
4832,061069	3008,27312		55034F88i	EGWO	38	4832,061069	3062,596236		4	F	F88i	55034F88i	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
4835,877863	3009,062924		55042F88i	EGWO	38	4835,877863	3064,782564		4	F	F88i	55042F88i	EGWO	36	39	3	2	4,694.765	3,144.662	2.65	2.1
4171,052632	3394,634833		55050F88i	STWO	24	4171,052632	3154,837808		4	F	F88i	55050F88i	STWO	20	20	0	4	4,694.765	3,567.125	0.55	2.1
4634,777494	3018,367413		55069F88i	EGWO	34	4634,777494	3068,861195		22	F	F88i	55069F88i	EGWO	31	35	4	3	4,694.765	3,144.662	4.75	2.1
4643,669986	3523,005099		55069F88i	STWO	29	4643,669986	3212,62778		6	F	F88i	55069F88i	STWO	25	24	-1	4	4,694.765	3,567.125	-1.55	2.1
4477,652621	2793,714325		55077F88i	EGWO	37	4477,652621	2827,323068		36	F	F88i	55077F88i	EGWO	34	38	4	3	4,694.765	2,722.199	4.75	2.1
4538,662753	2790,342848		55085F88i	EGWO	38	4538,662753	2810,609423		32	F	F88i	55085F88i	EGWO	35	39	4	3	4,694.765	2,722.199	4.75	2.1
4360,987419	3478,58359		55085F88i	STWO	29	4360,987419	2629,773846		13	F	F88i	55085F88i	STWO	21	20	-1	8	4,694.765	3,567.125	-1.55	9.7
4344,547644	2806,705085		55093F88i	EGWO	35	4344,547644	2840,96462		19	F	F88i	55093F88i	EGWO	32	35	3	3	4,694.765	2,722.199	2.65	2.1
4536,011496	3487,704675		55093F88i	STWO	24	4536,011496	2613,969785		4	F	F88i	55093F88i	STWO	20	20	0	4	4,694.765	3,567.125	0.55	2.1
4336,111111	2840,842921		55107F88i	EGWO	35	4336,111111	2802,737311		16	F	F88i	55107F88i	EGWO	31	34	3	4	4,694.765	2,722.199	2.65	2.1
4310,18981	3468,629752		55107F88i	STWO	29	4310,18981	2636,72		8	F	F88i	55107F88i	STWO	20	20	0	9	4,694.765	3,567.125	0.55	9.7
4342,857143	2698,223952		55115F88i	EGWO	39	4342,857143	2659,741941		14	F	F88i	55115F88i	EGWO	35	38	3	4	4,694.765	2,722.199	2.65	2.1
4359,738068	3480,506058		55115F88i	STWO	29	4359,738068	2640,363132		11	F	F88i	55115F88i	STWO	21	20	-1	8	4,694.765	3,567.125	-1.55	9.7
4049,558189	2617,094952		55123F88h	EGWO	39	4049,558189	2472,791304		23	F	F88h	55123F88h	EGWO	31	35	4	8	4,694.765	2,722.199	4.75	9.7
5092,470583	3907,163355		55123F88h	STWO	29	5092,470583	3230,246211		5	F	F88h	55123F88h	STWO		22			4,694.765	3,989.588		
4038,277339	2681,287687		55131F88h	EGWO	37	4038,277339	2544,287851		16	F	F88h	55131F88h	EGWO	30	34	4	7	4,694.765	2,722.199	4.75	5.9
3938,17402	3315,043464		55131F88h	STWO	24	3938,17402	2429,94		2	F	F88h	55131F88h	STWO					4,694.765	3,144.662		
3975,719421	2557,99879		55158F88h	EGWO	39	3975,719421	2438,628897		65	F	F88h	55158F88h	EGWO	31	36	5	8	4,694.765	2,722.199	4.75	9.7
3888,778834	3376,887715		55166F88h	STWO	20	3888,778834	3095,227607		64	F	F88h	55166F88h	STWO					3,112.304	3,567.125		
4009,36243	2522,405505		55174F88h	EGWO	39	4009,36243	2463,821818		22	F	F88h	55174F88h	EGWO	34	37	3	5	4,694.765	2,722.199	2.65	5.9
3965,559261	2514,606493		55182F88h	EGWO	40	3965,559261	2370,300337		51	F	F88h	55182F88h	EGWO	33	37	4	7	4,694.765	2,722.199	4.75	5.9
6131,360387	4016,510318		55220A09b	STWO	29	6131,360387	4319,090089		6	A	A09b	55220A09b	STWO	32	29	-3	-3	6,277.225	3,989.588	-3.65	-1.7
4104,271255	2560,126436		55239N66d	EGWO	36	4104,271255	2531,462786		20	N	N66d	55239N66d	EGWO	35	38	3	1	4,694.765	2,722.199	2.65	2.1
3695,794617	2399,24526		55247N66d	EGWO	36	3695,794617	2280,709394		37	N	N66d	55247N66d	EGWO	35	36	1	1	3,112.304	2,299.736	0.55	2.1
3864,804313	3044,39191		55255N66d	STWO	15	3864,804313	3064,603818		14	N	N66d	55255N66d	STWO	18	16	-2	-3	3,112.304	3,144.662	-1.55	-1.7
4104,045211	2632,97429		55263N66d	EGWO	36	4104,045211	2619,624667		75	N	N66d	55263N66d	EGWO	35	36	1	1	4,694.765	2,722.199	0.55	2.1
3855,415426	3376,431749		55263N66d	STWO	12	3855,415426	3395,46716		21	N	N66d	55263N66d	STWO	18	12	-6	-6	3,112.304	3,567.125	-5.75	-5.5
4204,95542	2624,228711		55271N66d	EGWO	38	4204,95542	2625,587246		17	N	N66d	55271N66d	EGWO	35	38	3	3	4,694.765	2,722.199	2.65	2.1
4215,753425			55271N66d	STWO	13	4215,753425			4	N	N66d	55271N66d	STWO	17	14	-3	-4	4,694.765		-3.65	-5.5
3890,7119	2457,798899		55298N66d	EGWO	36	3890,7119	2330,942161		24	N	N66d	55298N66d	EGWO	35	36	1	1	3,112.304	2,299.736	0.55	2.1
4129,444684	2598,945026		55301N66d	EGWO	38	4129,444684	2571,980421		35	N	N66d	55301N66d	EGWO	35	37	2	3	4,694.765	2,722.199	2.65	2.1
4221,014493			55328N66d	STWO	13	4221,014493			4	N	N66d	55328N66d	STWO	17	14	-3	-4	4,694.765		-3.65	-5.5

4149,850582	2625,930244	[redacted]	55336N66d	EGWO	37	4149,850582	2604,737465	[redacted]	16	N	N66d	55336N66d	EGWO	33	37	4	4	4,694.765	2,722.199	4.75	2.1
4160,958904			55336N66d	STWO	13	4160,958904			4	N	N66d	55336N66d	STWO	17	14	-3	-4	4,694.765		-3.65	-5.5
4249,901139	2699,932803		55344N66d	EGWO	36	4249,901139	2731,274943		13	N	N66d	55344N66d	EGWO	35	36	1	1	4,694.765	2,722.199	0.55	2.1
4147,00787	2662,32225		55395N66d	EGWO	37	4147,00787	2552,728321		33	N	N66d	55395N66d	EGWO	34	36	2	3	4,694.765	2,722.199	2.65	2.1
4191,832771	3649,050444		55395N66d	STWO	11	4191,832771	3745,204199		25	N	N66d	55395N66d	STWO	16	13	-3	-5	4,694.765	3,567.125	-3.65	-5.5
4305,449623	2659,521247		55409N66d	EGWO	41	4305,449623	2382,025519		22	N	N66d	55409N66d	EGWO	38	39	1	3	4,694.765	2,722.199	0.55	2.1
4197,444257	2790,503401		55417N66d	EGWO	38	4197,444257	2279,462153		15	N	N66d	55417N66d	EGWO	30	34	4	8	4,694.765	2,722.199	4.75	9.7
4178,457419	3640,231859		55417N66d	STWO	10	4178,457419	3741,545443		6	N	N66d	55417N66d	STWO	13	13	0	-3	4,694.765	3,567.125	0.55	-1.7
3391,298729	2546,504305		55425T96d	EGWO	28	3391,298729	2450,786806		45	T	T96d	55425T96d	EGWO	19	25	6	9	3,112.304	2,722.199	6.85	9.7
5621,621082	3053,645882		55433N70e	EGWO	44	5621,621082	2921,709133		115	N	N70e	55433N70e	EGWO	42	44	2	2	6,277.225	3,144.662	2.65	2.1
4431,131972	3464,235929		55484F84b	STWO	20	4431,131972	2937,548186		30	F	F84b	55484F84b	STWO	19	19	0	1	4,694.765	3,567.125	0.55	2.1
4258,899676	2575,380799		55492F84b	EGWO	41	4258,899676	2498,51619		6	F	F84b	55492F84b	EGWO	36	40	4	5	4,694.765	2,722.199	4.75	5.9
4373,803764	2693,863318		55506F84b	EGWO	37	4373,803764	2740,923285		12	F	F84b	55506F84b	EGWO	35	38	3	2	4,694.765	2,722.199	2.65	2.1
4368,030981	2692,668765		55514F84b	EGWO	37	4368,030981	2737,616531		12	F	F84b	55514F84b	EGWO	35	38	3	2	4,694.765	2,722.199	2.65	2.1
4368,030981	2692,668765		55522F84b	EGWO	37	4368,030981	2737,616531		12	F	F84b	55522F84b	EGWO	35	38	3	2	4,694.765	2,722.199	2.65	2.1
4368,030981	2692,668765		55530F84b	EGWO	37	4368,030981	2737,616531		12	F	F84b	55530F84b	EGWO	35	38	3	2	4,694.765	2,722.199	2.65	2.1
4347,498211	2688,419948		55549F84b	EGWO	37	4347,498211	2726,664055		12	F	F84b	55549F84b	EGWO	35	38	3	2	4,694.765	2,722.199	2.65	2.1
4061,066048	2612,64728		55557F84b	EGWO	37	4061,066048	2535,590053		87	F	F84b	55557F84b	EGWO	32	35	3	5	4,694.765	2,722.199	2.65	5.9
3772,727273			55565F84b	EGWO	38	3772,727273			1	F	F84b	55565F84b	EGWO	33	37	4	5	3,112.304		4.75	5.9
3759,493671	3553,678613		55565F84b	STWO	15	3759,493671	3724,06		1	F	F84b	55565F84b	STWO	14	14	0	1	3,112.304	3,567.125	0.55	2.1
3774,206102	3439,43661		55581F84b	STWO	15	3774,206102	3571,091058		2	F	F84b	55581F84b	STWO	14	14	0	1	3,112.304	3,567.125	0.55	2.1
4484,187223	2767,288858		55603F84b	EGWO	37	4484,187223	2846,009729		7	F	F84b	55603F84b	EGWO	33	38	5	4	4,694.765	2,722.199	4.75	2.1
3813,228438	3479,179215		55611F84b	STWO	15	3813,228438	3630,215		2	F	F84b	55611F84b	STWO	14	14	0	1	3,112.304	3,567.125	0.55	2.1
3962,930761	3389,815843		55638F84b	STWO	13	3962,930761	3458,550667		49	F	F84b	55638F84b	STWO	15	14	-1	-2	4,694.765	3,567.125	-1.55	-1.7
3930,232558	3423,064651		55646F84b	STWO	15	3930,232558	3549,757111		1	F	F84b	55646F84b	STWO	14	14	0	1	4,694.765	3,567.125	0.55	2.1
4143,667471	2565,216317		55654F84b	EGWO	40	4143,667471	2473,060471		50	F	F84b	55654F84b	EGWO	35	38	3	5	4,694.765	2,722.199	2.65	5.9
4121,812705	2594,16185		55662F84b	EGWO	35	4121,812705	2656,26396		77	F	F84b	55662F84b	EGWO	33	37	4	2	4,694.765	2,722.199	4.75	2.1
4357,82303	2764,516011		55670F84b	EGWO	36	4357,82303	2736,615335		32	F	F84b	55670F84b	EGWO	33	37	4	3	4,694.765	2,722.199	4.75	2.1
3893,034826	2522,02627		55700F84b	EGWO	38	3893,034826	2349,991005		3	F	F84b	55700F84b	EGWO	33	37	4	5	3,112.304	2,722.199	4.75	5.9
4345,26326	2729,242941		55727F84b	EGWO	37	4345,26326	2732,713478		18	F	F84b	55727F84b	EGWO	34	37	3	3	4,694.765	2,722.199	2.65	2.1
4491,682336	2824,508048		55735F84b	EGWO	36	4491,682336	2905,353476		18	F	F84b	55735F84b	EGWO	34	37	3	2	4,694.765	2,722.199	2.65	2.1
4296,852488	2800,78147		55751F84b	EGWO	38	4296,852488	2655,453806		22	F	F84b	55751F84b	EGWO	29	35	6	9	4,694.765	2,722.199	6.85	9.7
3755,113413	2392,559352		55778F84b	EGWO	40	3755,113413	2243,806456		74	F	F84b	55778F84b	EGWO	33	36	3	7	3,112.304	2,299.736	2.65	5.9
4444,036596	2807,827491		55786F84b	EGWO	35	4444,036596	2876,850333		18	F	F84b	55786F84b	EGWO	33	37	4	2	4,694.765	2,722.199	4.75	2.1
4287,313054	2717,927106		55794F84b	EGWO	36	4287,313054	2754,213011		16	F	F84b	55794F84b	EGWO	32	37	5	4	4,694.765	2,722.199	4.75	2.1
4341,772152	3660,851377		55808F84b	STWO	15	4341,772152	3925,939025		2	F	F84b	55808F84b	STWO	14	14	0	1	4,694.765	3,567.125	0.55	2.1
4234,639632	2796,454904		55816F84b	EGWO	38	4234,639632	2678,038468		4	F	F84b	55816F84b	EGWO	33	37	4	5	4,694.765	2,722.199	4.75	5.9
3902,621478	2645,443343		55824F84b	EGWO	34	3902,621478	2348,119362		46	F	F84b	55824F84b	EGWO	30	32	2	4	3,112.304	2,722.199	2.65	2.1
3770,539063	2606,600543		55832F84b	EGWO	33	3770,539063	2293,385826		36	F	F84b	55832F84b	EGWO	29	32	3	4	3,112.304	2,722.199	2.65	2.1
4557,823129			55859F84b	EGWO	38	4557,823129	2916,75		2	F	F84b	55859F84b	EGWO	33	37	4	5	4,694.765		4.75	5.9
4820,747772	3122,942651		55875F84b	EGWO	38	4820,747772	2983,034586		2	F	F84b	55875F84b	EGWO	33	37	4	5	4,694.765	3,144.662	4.75	5.9
4360,231968	2666,687691		55883F84b	EGWO	41	4360,231968	2588,123344		8	F	F84b	55883F84b	EGWO	35	39	4	6	4,694.765	2,722.199	4.75	5.9
3836,375887	3403,680121		55891F78e	STWO	9	3836,375887	3457,391987		87	F	F78e	55891F78e	STWO	9	11	2	0	3,112.304	3,567.125	2.65	-1.7
5392,21982	3673,843231		55921M56d	STWO	33	5392,21982	3662,578857		54	M	M56d	55921M56d	STWO	33	32	-1	0	4,694.765	3,567.125	-1.55	-1.7
5299,481144	3655,427534		55948M56d	STWO	33	5299,481144	3621,033023		38	M	M56d	55948M56d	STWO	32	31	-1	1	4,694.765	3,567.125	-1.55	2.1
4508,382462	3602,468019		55956F76b	STWO	17	4508,382462	3529,003318		101	F	F76b	55956F76b	STWO	17	18	1	0	4,694.765	3,567.125	0.55	-1.7
6738,019921	2910,560095		55999M33c	EGWO	49	6738,019921	2671,103305		16	M	M33c	55999M33c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5946,808511	3818,620488		55999M33c	STWO	40	5946,808511	4018,665276		1	M	M33c	55999M33c	STWO	39	37	-2	1	6,277.225	3,989.588	-1.55	2.1
6218,647016	4014,521332		56006M33c	STWO	35	6218,647016	4048,539447		32	M	M33c	56006M33c	STWO	37	35	-2	-2	6,277.225	3,989.588	-1.55	-1.7
6364,013241	2817,330792		56014M33c	EGWO	49	6364,013241	2503,411179		17	M	M33c	56014M33c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6161,446873	4004,333565		56014M33c	STWO	40	6161,446873	3953,72778		3	M	M33c	56014M33c	STWO	39	37	-2	1	6,277.225	3,989.588	-1.55	2.1
6265,097306	3888,510121		56022M33c	STWO	45	6265,097306	3099,583865		25	M	M33c	56022M33c	STWO	40	38	-2	5	6,277.225	3,989.588	-1.55	5.9
6286,320767	2803,157122		56030M33c	EGWO	49	6286,320767	2465,520885		16	M	M33c	56030M33c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6128,486146	3977,829162		56049M33c	STWO	38	6128,486146	3782,565337		30	M	M33c	56049M33c	STWO	37	35	-2	1	6,277.225	3,989.588	-1.55	2.1
6907,146631	3205,347753		56057M33c	EGWO	49	6907,146631	3301,984146		15	M	M33c	56057M33c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6349,041152	3942,639749		56057M33c	STWO	41	6349,041152	3761,479989		28	M	M33c	56057M33c	STWO	40	38	-2	1	6,277.225	3,989.588	-1.55	2.1
5966,498767	3751,723356		56065M33c	STWO	45	5966,498767	2680,216911		168	M	M33c	56065M33c	STWO	40	37	-3	5	6,277.225	3,567.125	-3.65	5.9
5552,68049	3798,39832		56073M33c	STWO	35	5552,68049	3878,12403		72	M	M33c	56073M33c	STWO	35	32	-3	0	6,277.225	3,989.588	-3.65	-1.7
6487,025677	3956,978738		56081M33f	STWO	47	6487,025677	3221,065535		17	M	M33f	56081M33f	STWO	41	39	-2	6	6,277.225	3,989.588	-1.55	5.9
5298,832707	3599,791983		56111M33a	STWO	35	5298,832707	3425,010769		119	M	M33a	56111M33a	STWO	37	33	-4	-2	4,694.765	3,567.125	-3.65	-1.7
5783,902843	3703,198117		56111M33b	STWO	37	5783,902843	3627,682263		106	M	M33b	56111M33b	STWO	36	36	0	1	6,277.225	3,567.125	0.55	2.1
4527,777778	2494,440456		56138F88e	EGWO	44	4527,777778	2354,366445		8	F	F88e	56138F88e	EGWO	39	42	3	5	4,694.765	2,299.736	2.65	5.9
4293,16741	2647,851231		56146F88e	EGWO	41	4293,16741	2533,495152		57	F	F88e	56146F88e	EGWO	35	38	3	6	4,694.765	2,722.199	2.65	5.9
4199,198616	2865,071315		56154F88e	EGWO	34	4199,198616	2802,458105		14	F	F88e	56154F88e	EGWO	29	32	3	5	4,694.765	2,722.199	2.65	5.9
4260,968312	2532,543877		56162F88e	EGWO	44	4260,968312	2392,67087		41	F	F88e	56162F88e	EGWO	38	41	3	6	4,694.765	2,722.199	2.65	5.9
4398,801025	2765,010595		56170F88e	EGWO	37	4398,801025	2774,458514		17	F	F88e	56170F88e	EGWO	34	38	4	3	4,694.765	2,722.199	4.75	2.1
4484,832913	3756,957747		56170F88e	STWO	14	4484,832913	3827,26285		24	F	F88e	56170F88e	STWO	15	16	1	-1	4,694.765	3,567.125	0.55	-1.7
3913,617529	2535,031716		56189F88e	EGWO	36	3913,617529	2474,185133		20	F	F88e	56189F88e	EGWO	31	35	4	5	4,694.765	2,722.199	4.75	5.9
4136,666794	2609,571529		56197F88e	EGWO	39	4136,666794	2535,503735		35	F	F88e	56197F88e	EGWO	33	37	4	6	4,694.765	2,722.199	4.75	5.9
4346,401274	2694,467061		56200F88h	EGWO	38	4346,401274	2694,852546		131	F	F88h	56200F88h	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
3931,299723	2713,995585		56219F88e	EGWO	34	3931,299723	2666,69875		8	F	F88e	56219F88e	EGWO	29	32	3	5	4,694.765	2,722.199	2.65	5.9
4127,434481	2752,540486		56227F88e	EGWO	35	4127,434481	2664,2425		8	F	F88e	56227F88e	EGWO	29	33	4	6	4,694.765	2,722.199	4.75	5.9
4196,384902	3409,385545		56227F88e	STWO	16	4196,384902	3388,755		4	F	F88e	56227F88e	STWO	17	16	-1	-1	4,694.765	3,567.125	-1.55	-1.7
4070,113654	2737,385868		56235F88e	EGWO	35	4070,113654	2650,03		8	F	F88e	56235F88e	EGWO	29	33	4	6	4,694.765	2,722.199	4.75	5.9
4522,816124			56251F89a	STWO	18	4522,816124			42	F	F89a	56251F89a	STWO	18	18	0	0	4,694.765		0.55	-1.7
5662,499878	3799,80648		56308M33d	STWO	31	5662,499878	3869,124504		223	M	M33d	56308M33d	STWO	33	32	-1	-2	6,277.225	3,989.588	-1.55	-1.7
5467,860768	2959,18983		56316N68f	EGWO	44	5467,860768	3083,505559		59	N	N68f	56316N68f	EGWO	41	45	4	3	4,694.765	3,144.662	4.75	2.1
4841,222532	3726,235213		56316N68f	STWO	15	4841,222532	3580,500069		27	N	N68f	56316N68f	STWO	14	14	0	1	4,694.765	3,567.125	0.55	2.1
4631,319434	2807,557761		56324N70b	EGWO	40	4631,319434	2575,44465		42	N	N70b	56324N70b	EGWO	35	39	4	5	4,694.765	2,722.199	4.75	5.9
4118,402422	3431,127221		56324N70b	STWO	28	4118,402422	3476,05696		20	N	N70b	56324N70b	STWO	18	21	3	10	4,694.765	3,567.125	2.65	9.7
4616,722222	3168,259945		56332N70b	EGWO	40	4616,722222	2982,128126		5	N	N70b	56332N70b	EGWO	38	36	-2	2	4,694.765	3,144.662	-1.55	2.1
4240,16526	3419,551627		56332N70b	STWO	33	4240,16526	2557,498921		19	N	N70b	56332N70b	STWO	17	19	2	16	4,694.765	3,567.125	2.65	17.3
4277,056685	2577,384155		56340N70b	EGWO	46	4277,056685	2316,034286		14	N	N70b	56340N70b	EGWO	37	40	3	9	4,694.765	2,722.199	2.65	9.7
4988,636364	2868,647841		56359N70b	EGWO	44	4988,636364	2510,304822		11	N	N70b	56359N70b	EGWO	40	43	3	4	4,694.765	2,722.199	2.65	2.1
4065,486199	3417,643702		56367N70b	STWO	28	4065,486199	2919,600845		34	N	N70b	56367N70b	STWO	18	21	3	10	4,694.765	3,567.125	2.65	9.7
5611,687523	3357,582565		56375N70b	EGWO	45	5611,687523	3214,770307		4	N	N70b	56375N70b	EGWO	38	41	3	7	6,277.225	3,567.125	2.65	5.9
4595,559039	2732,371853		56383N70b	EGWO	44	4595,559039	2564,638559		10	N	N70b	56383N70b	EGWO	37	41	4	7	4,694.765	2,722.199	4.75	5.9
4015,269951	3364,646405		56421N70b	STWO	33	4015,269951	2532,024327		24	N	N70b	56421N70b	STWO	14	16	2	19	4,694.765	3,567.125	2.65	17.3
3832,097016	3240,49951		56448N70b	STWO	33	3832,097016	2412,125556		18	N	N70b	56448N70b	STWO	18	16	-2	15	3,112.304	3,144.662	-1.55	13.5
4719,444444	2920,16553		56456N70b	EGWO	45	4719,444444	2826,750193		4	N	N70b	56456N70b	EGWO	38	41	3	7	4,694.765	2,722.199	2.65	5.9
4258,333333	2785,44606		56464N70b	EGWO	45	4258,333333	2745,4225		4	N	N70b	56464N70b	EGWO	38	41	3	7	4,694.765	2,722.199	2.65	5.9
4661,537	2798,563937		56472N70b	EGWO	44	4661,537	2637,461562		11	N	N70b	56472N70b	EGWO	36	40	4	8	4,694.765	2,722.199	4.75	9.7
4725	2921,315133		56480N70b	EGWO	45	4725	2818,904941		4	N	N70b	56480N70b	EGWO	38	41	3	7	4,694.765	2,722.199	2.65	5.9
4725	2921,315133		56499N70b	EGWO	45	4725	2798,109293		4	N	N70b	56499N70b	EGWO	38	41	3	7	4,694.765	2,722.199	2.65	5.9
4012,345679	2430,058559		56502N70b	EGWO	46	4012,345679	2172,747778		9	N	N70b	56502N70b	EGWO	37	39	2	9	4,694.765	2,299.736	2.65	9.7
4824,175824	3052,491975		56510N70b	EGWO	45	4824,175824	2938,34543		4	N	N70b	56510N70b	EGWO	34	41	7	11	4,694.765	3,144.662	6.85	9.7
4786,813187	2995,553562		56529N70b	EGWO	40	4786,813187	2878,464872		5	N	N70b	56529N70b	EGWO	38	37	-1	2	4,694.765	3,144.662	-1.55	2.1
4687,912088	2975,088101		56537N70b	EGWO	40	4687,912088	2836,95778		5	N	N70b	56537N70b	EGWO	36	37	1	4	4,694.765	3,144.662	0.55	2.1
4143,75649	3512,083278		56553N70b	STWO	23	4143,75649	3176,299122		88	N	N70b	56553N70b	STWO	16	18	2	7	4,694.765	3,567.125	2.65	5.9
4305,294543	3430,586968		56561F86b	STWO	28	4305,294543	3105,73143		28	F	F86b	56561F86b	STWO	23	20	-3	5	4,694.765	3,567.125	-3.65	5.9
7017,593949	4085,282569		56596K24b	STWO	46	7017,593949	3835,910575		129	K	K24b	56596K24b	STWO	44	41	-3	2	6,277.225	3,989.588	-3.65	2.1
5863,688468	3379,999942		56618N67a	EGWO	40	5863,688468	3296,630589		5	N	N67a	56618N67a	EGWO	37	40	3	3	6,277.225	3,567.125	2.65	2.1
4053,514392	2541,115424		56626F88h	EGWO	41	4053,514392	2387,668235		17	F	F88h	56626F88h	EGWO	34	37	3	7	4,694.765	2,722.199	2.65	5.9
4182,144176	2640,491783		56634F88h	EGWO	39	4182,144176	2567,397554		20	F	F88h	56634F88h	EGWO	33	37	4	6	4,694.765	2,722.199	4.75	5.9
3924,768488	3117,785143		56634F88h	STWO	28	3924,768488	2824,802162		37	F	F88h	56634F88h	STWO	24	21	-3	4	4,694.765	3,144.662	-3.65	2.1
3988,901031	2610,583628		56642F88h	EGWO	37	3988,901031	2520,449167		36	F	F88h	56642F88h	EGWO	30	34	4	7	4,694.765	2,722.199	4.75	5.9
3901,624846	2558,792963		56669F88h	EGWO	38	3901,624846	2387,797071		42	F	F88h	56669F88h	EGWO	30	34	4	8	3,112.304	2,722.199	4.75	9.7
3992,450939	2484,843275		56693F88h	EGWO	41	3992,450939	2333,697873		84	F	F88h	56693F88h	EGWO	34	38	4	7	4,694.765	2,299.736	4.75	5.9
4148,817812	2647,508284		56707F88h	EGWO	38	4148,817812	2568,472699		20	F	F88h	56707F88h	EGWO	32	36	4	6	4,694.765	2,722.199	4.75	5.9
4144,9969	2655,553143		56715F88h	EGWO	38	4144,9969	2571,780709		20	F	F88h	56715F88h	EGWO	32	36	4	6	4,694.765	2,722.199	4.75	5.9
4003,352019	2517,4309		56723F88h	EGWO	41	4003,352019	2370,329029		54	F	F88h	56723F88h	EGWO	33	37	4	8	4,694.765	2,722.199	4.75	9.7
4234,446903	2817,773024		56731F88h	EGWO	35	4234,446903	2732,009375		16	F	F88h	56731F88h	EGWO	29	33	4	6	4,694.765	2,722.199	4.75	5.9
4174,814433	2696,785618		56758F88h	EGWO	37	4174,814433	2625,88606		24	F	F88h	56758F88h	EGWO	31	35	4	4	4,694.765	2,722.199	4.75	5.9
4173,792024	2706,32813		56766F88h	EGWO	37	4173,792024	2643,389278		24	F	F88h	56766F88h	EGWO	32	35	3	5	4,694.765	2,722.199	2.65	5.9
4226,846431	2807,552745		56774F88h	EGWO	36	4226,846431	2713,57875		16	F	F88h	56774F88h	EGWO	29	34	5	7	4,694.765	2,722.199	4.75	5.9

3343,995614	2415,769286	[redacted]	56790T94b	EGWO	29	3343,995614	2380,270809	[redacted]	19	T	T94b	56790T94b	EGWO	23	28	5	6	3,112.304	2,299.736	4.75	5.9
3560,133674	2575,724143		56804T94b	EGWO	26	3560,133674	2630,818535		28	T	T94b	56804T94b	EGWO	22	28	6	4	3,112.304	2,722.199	6.85	2.1
3543,179696	2675,911549		56812T94b	EGWO	23	3543,179696	2744,216936		29	T	T94b	56812T94b	EGWO	20	25	5	3	3,112.304	2,722.199	4.75	2.1
3503,500066	2557,319197		56820T94b	EGWO	27	3503,500066	2567,016738		29	T	T94b	56820T94b	EGWO	23	28	5	4	3,112.304	2,722.199	4.75	2.1
3438,206775	2549,974875		56839T94b	EGWO	26	3438,206775	2536,333724		12	T	T94b	56839T94b	EGWO	20	26	6	6	3,112.304	2,722.199	6.85	5.9
3434,141259	2481,336002		56847T94b	EGWO	25	3434,141259	2570,901667		6	T	T94b	56847T94b	EGWO	24	28	4	1	3,112.304	2,299.736	4.75	2.1
3807,832617	3451,935133		56855F82a	STWO	7	3807,832617	3541,964063		32	F	F82a	56855F82a	STWO	12	9	-3	-5	3,112.304	3,567.125	-3.65	-5.5
4929,565527	2774,515052		56863F85a	EGWO	47	4929,565527	2593,622588		10	F	F85a	56863F85a	EGWO	41	42	1	6	4,694.765	2,722.199	0.55	5.9
4188,627845	2437,955601		56871F85a	EGWO	47	4188,627845	2187,175297		23	F	F85a	56871F85a	EGWO	39	42	3	8	4,694.765	2,299.736	2.65	9.7
4699,683354	2685,501836		56898F85a	EGWO	47	4699,683354	2487,574902		26	F	F85a	56898F85a	EGWO	41	42	1	6	4,694.765	2,722.199	0.55	5.9
4348,480423	2597,682931		56901F85a	EGWO	45	4348,480423	2400,818508		34	F	F85a	56901F85a	EGWO	37	40	3	8	4,694.765	2,722.199	2.65	9.7
4481,472361	2636,697464		56928F85a	EGWO	45	4481,472361	2447,890472		44	F	F85a	56928F85a	EGWO	41	41	0	4	4,694.765	2,722.199	0.55	2.1
4440,647347	2627,523415		56936F85a	EGWO	46	4440,647347	2379,069518		30	F	F85a	56936F85a	EGWO	41	41	0	5	4,694.765	2,722.199	0.55	5.9
4699,970325	3551,78408		56936F85a	STWO	29	4699,970325	3489,403083		60	F	F85a	56936F85a	STWO	24	24	0	5	4,694.765	3,567.125	0.55	5.9
4351,814348	2995,486631		56944F85a	EGWO	37	4351,814348	2825,54		8	F	F85a	56944F85a	EGWO	31	32	1	6	4,694.765	3,144.662	0.55	5.9
4390,450016	3460,259798		56952F85a	STWO	29	4390,450016	3245,160999		43	F	F85a	56952F85a	STWO	22	21	-1	7	4,694.765	3,567.125	-1.55	5.9
4757,909091	2837,182657		56960F85a	EGWO	41	4757,909091	2647,851402		20	F	F85a	56960F85a	EGWO	38	39	1	3	4,694.765	2,722.199	0.55	2.1
5019,623648	3560,71171		56960F85a	STWO	39	5019,623648	2554,928144		46	F	F85a	56960F85a	STWO	29	29	0	10	4,694.765	3,567.125	0.55	9.7
4415,078825	2770,160095		56979F85a	EGWO	40	4415,078825	2616,377189		21	F	F85a	56979F85a	EGWO	33	37	4	7	4,694.765	2,722.199	4.75	5.9
4725,973498	3479,179122		56979F85a	STWO	39	4725,973498	2440,193042		30	F	F85a	56979F85a	STWO	31	26	-5	8	4,694.765	3,567.125	-5.75	9.7
5293,333333	3706,78393		57002F85a	STWO	34	5293,333333	2882,266163		1	F	F85a	57002F85a	STWO	26	24	-2	8	4,694.765	3,567.125	-1.55	9.7
4407,851169	3564,435467		57029F85a	STWO	29	4407,851169	3541,4919		28	F	F85a	57029F85a	STWO	21	19	-2	8	4,694.765	3,567.125	-1.55	9.7
5080	3659,052826		57037F85a	STWO	34	5080	2760,064989		1	F	F85a	57037F85a	STWO	26	24	-2	8	4,694.765	3,567.125	-1.55	9.7
3723,925016	2576,12487		57053F85a	EGWO	37	3723,925016	2351,181379		29	F	F85a	57053F85a	EGWO	35	32	-3	2	3,112.304	2,722.199	-3.65	2.1
4805,939125	3492,711924		57053F85a	STWO	39	4805,939125	2432,916327		19	F	F85a	57053F85a	STWO	30	27	-3	9	4,694.765	3,567.125	-3.65	9.7
6015,430978	3940,486756		57061E15a	STWO	36	6015,430978	3868,087327		88	E	E15a	57061E15a	STWO	39	34	-5	-3	6,277.225	3,989.588	-5.75	-1.7
6636,75858	3949,012829		57088E15a	STWO	41	6636,75858	2874,229517		11	E	E15a	57088E15a	STWO	42	40	-2	-1	6,277.225	3,989.588	-1.55	-1.7
5987,335108	3890,796875		57096E15a	STWO	35	5987,335108	3889,230511		22	E	E15a	57096E15a	STWO	39	35	-4	-4	6,277.225	3,989.588	-3.65	-5.5
5632,730015	3700,222083		57118E15a	STWO	36	5632,730015	3612,474302		12	E	E15a	57118E15a	STWO	40	34	-6	-4	6,277.225	3,567.125	-5.75	-5.5
6338,473084	3935,728138		57126E15a	STWO	36	6338,473084	4090,172004		30	E	E15a	57126E15a	STWO	39	38	-1	-3	6,277.225	3,989.588	-1.55	-1.7
5921,233659	3789,090887		57134E15a	STWO	35	5921,233659	3882,575331		35	E	E15a	57134E15a	STWO	39	36	-3	-4	6,277.225	3,989.588	-3.65	-5.5
6126,265215	3902,631131		57142E15a	STWO	35	6126,265215	3975,789953		20	E	E15a	57142E15a	STWO	38	36	-2	-3	6,277.225	3,989.588	-1.55	-1.7
5916,482472	3862,968573		57169E15a	STWO	33	5916,482472	3941,438708		15	E	E15a	57169E15a	STWO	39	35	-4	-6	6,277.225	3,989.588	-3.65	-5.5
5844,424477	3859,425493		57177E15a	STWO	32	5844,424477	3897,656089		36	E	E15a	57177E15a	STWO	38	33	-5	-6	6,277.225	3,989.588	-5.75	-5.5
6316,916913	3957,192751		57193E14b	STWO	43	6316,916913	3690,199453		30	E	E14b	57193E14b	STWO	39	38	-1	4	6,277.225	3,989.588	-1.55	2.1
3317,851321	3064,607993		57282F77c	STWO	14	3317,851321	2857,407604		96	F	F77c	57282F77c	STWO	14	8	-6	0	3,112.304	3,144.662	-5.75	-1.7
5706,902508	3800,935587		57290M33c	STWO	35	5706,902508	3930,867428		14	M	M33c	57290M33c	STWO	36	34	-2	-1	6,277.225	3,989.588	-1.55	-1.7
6238,223851	3854,855916		57312M33c	STWO	45	6238,223851	3102,154851		11	M	M33c	57312M33c	STWO	40	38	-2	5	6,277.225	3,989.588	-1.55	5.9
7417,910448	3148,613868		57371M33f	EGWO	49	7417,910448	2856,61043		1	M	M33f	57371M33f	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
5865,19505	3772,925902		57398M33f	STWO	42	5865,19505	3219,081323		2	M	M33f	57398M33f	STWO	38	36	-2	4	6,277.225	3,567.125	-1.55	2.1
5527,654987	3604,378274		57401M33f	STWO	42	5527,654987	2458,402698		2	M	M33f	57401M33f	STWO	38	36	-2	4	6,277.225	3,567.125	-1.55	2.1
6679,402259	3168,892609		57428M33f	EGWO	49	6679,402259	2803,863453		46	M	M33f	57428M33f	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6700,676549	3976,327457		57428M33f	STWO	47	6700,676549	3066,672817		20	M	M33f	57428M33f	STWO	43	41	-2	4	6,277.225	3,989.588	-1.55	2.1
5431,654676	2694,313999		57444M33f	EGWO	49	5431,654676	2336,9853		3	M	M33f	57444M33f	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
6167,714141	3935,254594		57444M33f	STWO	39	6167,714141	3794,205087		114	M	M33f	57444M33f	STWO	38	36	-2	1	6,277.225	3,989.588	-1.55	2.1
6268,817204	3823,533496		57479M33f	STWO	42	6268,817204	2902,600392		1	M	M33f	57479M33f	STWO	38	36	-2	4	6,277.225	3,989.588	-1.55	2.1
5706,84169	2761,13092		57487M33e	EGWO	49	5706,84169	2382,725067		3	M	M33e	57487M33e	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5588,204738	3637,395747		57487M33e	STWO	35	5588,204738	2527,764763		13	M	M33e	57487M33e	STWO	36	33	-3	-1	6,277.225	3,567.125	-3.65	-1.7
5997,812423	2949,187841		57495M33e	EGWO	49	5997,812423	2581,550745		81	M	M33e	57495M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5772,104654	3863,404291		57495M33e	STWO	35	5772,104654	2684,833852		15	M	M33e	57495M33e	STWO	35	33	-2	0	6,277.225	3,989.588	-1.55	-1.7
6238,551999	3154,58582		57509M33e	EGWO	49	6238,551999	2816,484775		89	M	M33e	57509M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6061,879831	4019,017424		57509M33e	STWO	35	6061,879831	3365,046283		8	M	M33e	57509M33e	STWO	35	33	-2	0	6,277.225	3,989.588	-1.55	-1.7
6117,854115	3024,621645		57517M33e	EGWO	49	6117,854115	2615,658378		90	M	M33e	57517M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6153,560384	4066,086443		57517M33e	STWO	35	6153,560384	3497,659345		10	M	M33e	57517M33e	STWO	36	33	-3	-1	6,277.225	3,989.588	-3.65	-1.7
6097,180471	2861,906159		57525M33e	EGWO	49	6097,180471	2417,869014		11	M	M33e	57525M33e	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5699,178982	2778,591355		57533M33e	EGWO	49	5699,178982	2415,986487		3	M	M33e	57533M33e	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5442,654026	3601,107416		57533M33e	STWO	35	5442,654026	2482,383997		15	M	M33e	57533M33e	STWO	36	33	-3	-1	4,694.765	3,567.125	-3.65	-1.7
6039,910761	2992,984474		57541M33e	EGWO	49	6039,910761	2653,262565		3	M	M33e	57541M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6103,709262	3082,565082		57568M33e	EGWO	49	6103,709262	2679,430861		4	M	M33e	57568M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5145,321362	2692,691956		57584M33b	EGWO	49	5145,321362	2398,662791		22	M	M33b	57584M33b	EGWO	47	46	-1	2	4,694.765	2,722.199	-1.55	2.1
5294,723058	3673,866387		57584M33b	STWO	39	5294,723058	2797,58165		10	M	M33b	57584M33b	STWO	34	31	-3	5	4,694.765	3,567.125	-3.65	5.9
5650,658365	3660,52618		57584M33e	STWO	35	5650,658365	2587,894599		6	M	M33e	57584M33e	STWO	36	33	-3	-1	6,277.225	3,567.125	-3.65	-1.7
6035,215739	3180,63472		57592M33e	EGWO	49	6035,215739	3006,154518		11	M	M33e	57592M33e	EGWO	49	47	1	3	6,277.225	3,144.662	0.55	2.1
4714,027763	3552,334676		57592M33e	STWO	25	4714,027763	3653,364061		102	M	M33e	57592M33e	STWO	29	25	-4	-4	4,694.765	3,567.125	-3.65	-5.5
5871,187519	3050,661306		57606M33f	EGWO	49	5871,187519	2608,339008		98	M	M33f	57606M33f	EGWO	48	48	0	1	6,277.225	3,144.662	0.55	2.1
6380,798567	3897,444404		57606M33f	STWO	47	6380,798567	2950,316015		17	M	M33f	57606M33f	STWO	41	39	-2	6	6,277.225	3,989.588	-1.55	5.9
6006,696429	3166,627563		57614M33f	EGWO	49	6006,696429	3090,9685		4	M	M33f	57614M33f	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6261,050077	3900,915066		57614M33f	STWO	42	6261,050077	3596,037103		2	M	M33f	57614M33f	STWO	38	36	-2	4	6,277.225	3,989.588	-1.55	2.1
6298,866512	2957,254012		57622M33e	EGWO	49	6298,866512	2707,515859		3	M	M33e	57622M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
4188,888889			57630B10g	STWO		4188,888889			1	B	B10g	57630B10g	STWO					4,694.765			
5323,496041	3902,308795		57703M33b	STWO	35	5323,496041	3447,928457		29	M	M33b	57703M33b	STWO	35	33	-2	0	4,694.765	3,989.588	-1.55	-1.7
5399,215842	3762,928554		57703M33g	STWO	31	5399,215842	3715,014338		81	M	M33g	57703M33g	STWO	30	31	1	1	4,694.765	3,567.125	0.55	2.1
3480,508518	2484,026164		57738T94b	EGWO	28	3480,508518	2488,371134		47	T	T94b	57738T94b	EGWO	23	28	5	5	3,112.304	2,299.736	4.75	5.9
3593,333333	2615,814822		57746T94b	EGWO	27	3593,333333	2634,18229		6	T	T94b	57746T94b	EGWO	21	27	6	6	3,112.304	2,722.199	6.85	5.9
3577,002371	3208,764663		57746T94b	STWO	12	3577,002371	2468,39029		2	T	T94b	57746T94b	STWO	8	6	-2	4	3,112.304	3,144.662	-1.55	2.1
3593,333333	2615,814822		57754T94b	EGWO	27	3593,333333	2634,18229		12	T	T94b	57754T94b	EGWO	21	27	6	6	3,112.304	2,722.199	6.85	5.9
3667,663128	3229,04906		57754T94b	STWO	12	3667,663128	2603,079995		4	T	T94b	57754T94b	STWO	8	6	-2	4	3,112.304	3,144.662	-1.55	2.1
3497,931177	2515,447318		57762T94b	EGWO	27	3497,931177	2540,216025		32	T	T94b	57762T94b	EGWO	23	28	5	4	3,112.304	2,722.199	4.75	2.1
3137,614679	3080,758029		57762T94b	STWO	12	3137,614679	2295,88		1	T	T94b	57762T94b	STWO	8	6	-2	4	3,112.304	3,144.662	-1.55	2.1
3785,924609	2575,248431		57770T94b	EGWO	30	3785,924609	2658,958447		16	T	T94b	57770T94b	EGWO	27	32	5	3	3,112.304	2,722.199	4.75	2.1
3485,174592	2498,600825		57789T94b	EGWO	29	3485,174592	2513,132695		14	T	T94b	57789T94b	EGWO	23	28	5	6	3,112.304	2,299.736	4.75	5.9
3477,122838	2679,268431		57797T94b	EGWO	22	3477,122838	2777,54551		13	T	T94b	57797T94b	EGWO	18	23	5	4	3,112.304	2,722.199	4.75	2.1
3522,359224	2726,935923		57800T94b	EGWO	22	3522,359224	2811,044286		7	T	T94b	57800T94b	EGWO	18	23	5	4	3,112.304	2,722.199	4.75	2.1
3668,295502	2514,236853		57819T94b	EGWO	32	3668,295502	2468,420153		8	T	T94b	57819T94b	EGWO	27	31	4	5	3,112.304	2,722.199	4.75	5.9
3800	3372,666205		57819T94b	STWO	12	3800	2667,25		1	T	T94b	57819T94b	STWO	8	6	-2	4	3,112.304	3,567.125	-1.55	2.1
3502,750019	2524,398896		57827T94b	EGWO	28	3502,750019	2535,352049		16	T	T94b	57827T94b	EGWO	20	28	8	8	3,112.304	2,722.199	8.95	9.7
5803,141073	2982,479771		57835M33e	EGWO	49	5803,141073	2769,671361		12	M	M33e	57835M33e	EGWO	48	49	1	1	6,277.225	3,144.662	0.55	2.1
4747,738327	3573,954057		57835M33e	STWO	25	4747,738327	3694,3882		116	M	M33e	57835M33e	STWO	29	25	-4	-4	4,694.765	3,567.125	-3.65	-5.5
6053,714091	3154,608852		57843M33f	EGWO	49	6053,714091	2967,22315		52	M	M33f	57843M33f	EGWO	48	48	0	1	6,277.225	3,144.662	0.55	2.1
5674,056899	3725,172732		57843M33f	STWO	44	5674,056899	3088,518562		131	M	M33f	57843M33f	STWO	35	34	-1	9	6,277.225	3,567.125	-1.55	9.7
5804,071247	2797,161029		57851M33f	EGWO	49	5804,071247	2425,385369		3	M	M33f	57851M33f	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
6260,312928	3970,407717		57851M33f	STWO	38	6260,312928	3909,894197		103	M	M33f	57851M33f	STWO	38	37	-1	0	6,277.225	3,989.588	-1.55	-1.7
3904,514629	2479,893418		57940F84b	EGWO	36	3904,514629	2363,766464		87	F	F84b	57940F84b	EGWO	33	36	3	3	4,694.765	2,299.736	2.65	2.1
3951,432523	3447,450281		57959F84b	STWO	10	3951,432523	3542,46673		234	F	F84b	57959F84b	STWO	13	13	0	-3	4,694.765	3,567.125	0.55	-1.7
4346,938776	3104,091382		57975F84b	EGWO	38	4346,938776	3031,550005		1	F	F84b	57975F84b	EGWO	33	37	4	5	4,694.765	3,144.662	4.75	5.9
3560,97561	3160,976239		57975F84b	STWO	15	3560,97561	2248,97		1	F	F84b	57975F84b	STWO	14	14	0	1	3,112.304	3,144.662	0.55	2.1
4084,702516	2528,369058		57983F84b	EGWO	40	4084,702516	2431,761515		95	F	F84b	57983F84b	EGWO	35	38	3	5	4,694.765	2,722.199	2.65	5.9
4004,789207	2508,22876		57991F84b	EGWO	41	4004,789207	2375,068297		39	F	F84b	57991F84b	EGWO	34	37	3	7	4,694.765	2,299.736	2.65	5.9
4035,230139	3369,269952		57991F84b	STWO	15	4035,230139	2612,510276		3	F	F84b	57991F84b	STWO	14	14	0	1	4,694.765	3,567.125	0.55	2.1
3724,577274	2481,220824		58009F84b	EGWO	36	3724,577274	2375,947541		8	F	F84b	58009F84b	EGWO	29	33	4	7	3,112.304	2,299.736	4.75	5.9
4526,779733	2837,958831		58017F84b	EGWO	35	4526,779733	2947,65073		9	F	F84b	58017F84b	EGWO	34	37	3	1	4,694.765	2,722.199	2.65	2.1
4481,014782	2736,138872		58025F84b	EGWO	37	4481,014782	2842,707632		11	F	F84b	58025F84b	EGWO	35	39	4	2	4,694.765	2,722.199	4.75	2.1
4116,299848	2882,746513		58033F81b	EGWO	38	4116,299848	2738,117922		3	F	F81b	58033F81b	EGWO	33	37	4	5	4,694.765	2,722.199	4.75	5.9
4486,258331	2569,732969		58041F84b	EGWO	43	4486,258331	2565,965579		45	F	F84b	58041F84b	EGWO	38	42	4	5	4,694.765	2,722.199	4.75	5.9
3702,777138	2332,774901		58076F84b	EGWO	41	3687,653333	2186,099669		24	F	F84b	58076F84b	EGWO	34	37	3	7	3,112.304	2,299.736	2.65	5.9
4113,320484	3296,017085		58076F84b	STWO	20	4113,320484	2377,828852		40	F	F84b	58076F84b	STWO	19	19	0	1	4,694.765	3,144.662	0.55	2.1
4674,157303	3298,209718		58084F84b	EGWO	38	4674,157303	3338,236668		1	F	F84b	58084F84b	EGWO	33	37	4	5	4,694.765	3,144.662	4.75	5.9
4056,910569	3271,936502		58084F84b	STWO	15	4056,910569	2248,97		1	F	F84b	58084F84b	STWO	14	14	0	1	4,694.765	3,144.662	0.55	2.1
3973,768478	2481,156186		58092F84b	EGWO	39	3973,768478	2405,67794		43	F	F84b	58092F84b	EGWO	35	37	2	4	4,694.765	2,299.736	2.65	2.1
3732,051948	3270,008383		58092F84b	STWO	15	3732,051948	2443,35		2	F	F84b	58092F84b	STWO	14	14	0	1	3,112.304	3,144.662	0.55	2.1
4236,96339	2657,76089		58106F84b	EGWO	38	4236,96339	2647,979979		17	F	F84b	58106F84b	EGWO	34	37	3	4	4,694.765	2,722.199	2.65	2.1
3830,460774	2531,7758		58114F84b	EGWO	38	3830,460774	2382,494		6	F	F84b	58114F84b	EGWO	31	34	3	7	3,112.304	2,722.199	2.65	5.9
4360,516342	2727,42231		58122F84b	EGWO	37	4360,516342	2753,950097		10	F	F84b	58122F84b	EGWO	34	37	3	3	4,694.765	2,722.199	2.65	2.1
4072,17311	2466,383759		58130F84b	EGWO	38	4072,17311	2339,012832		3	F	F84b	58130F84b	EGWO	33	37	4	5	4,694.765	2,299.736	4.75	5.9
3985,1995	2516,306443		58149F84c	EGWO	41	3985,1995	2366,851676		28	F	F84c	58149F84c	EGWO	36	37	1	5	4,694.765	2,722.199	0.55	5.9

4528,528771	3609,571038	[redacted]	58149F84c	STWO	19	4528,528771	3818,08929	[redacted]	25	F	F84c	58149F84c	STWO	21	20	-1	-2	4,694.765	3,567.125	-1.55	-1.7
3829,113595	2381,529098		58157F84c	EGWO	42	3829,113595	2206,862906		34	F	F84c	58157F84c	EGWO	34	38	4	8	3,112.304	2,299.736	4.75	9.7
4134,546524	2544,766714		58165F84c	EGWO	41	4134,546524	2373,0891		27	F	F84c	58165F84c	EGWO	36	38	2	5	4,694.765	2,722.199	2.65	5.9
3921,428571	2507,354866		58173F84c	EGWO	39	3921,428571	2311,282431		3	F		58173F84c	EGWO	33	36	3	6	4,694.765	2,299.736	2.65	5.9
4104,330461	2540,257901		58203F84c	EGWO	43	4104,330461	2362,844338		14	F	F84c	58203F84c	EGWO	37	38	1	6	4,694.765	2,722.199	0.55	5.9
4363,776653	3588,68271		58203F84c	STWO	19	4363,776653	3721,02294		25	F	F84c	58203F84c	STWO	22	18	-4	-3	4,694.765	3,567.125	-3.65	-1.7
4097,094524	2559,421974		58238F84c	STWO	40	4097,094524	2456,982982		111	F	F84c	58238F84c	STWO	34	38	4	6	4,694.765	2,722.199	4.75	5.9
4097,573791	3479,856896		58246F84c	STWO	19	4097,573791	3581,996435		66	F	F84c	58246F84c	STWO	15	15	0	4	4,694.765	3,567.125	0.55	2.1
4108,365683	2607,293832		58262F84c	STWO	40	4108,365683	2467,980403		16	F	F84c	58262F84c	EGWO	33	37	4	7	4,694.765	2,722.199	4.75	5.9
3725,214181	2402,440994		58270F84c	EGWO	40	3725,214181	2236,370346		55	F	F84c	58270F84c	EGWO	32	36	4	8	3,112.304	2,299.736	4.75	9.7
3670,692638	2331,617653		58289F84c	EGWO	41	3670,692638	2182,173383		50	F	F84c	58289F84c	EGWO	33	37	4	8	3,112.304	2,299.736	4.75	9.7
4523,338831	3612,181829		58297F84c	STWO	29	4523,338831	3161,182407		16	F	F84c	58297F84c	STWO	22	20	-2	7	4,694.765	3,567.125	-1.55	5.9
4115,766403	2709,024364		58300F84c	EGWO	37	4115,766403	2577,182904		6	F	F84c	58300F84c	EGWO	31	34	3	6	4,694.765	2,722.199	2.65	5.9
4017,549624	2513,586586		58319F84c	EGWO	41	4017,549624	2375,881976		24	F	F84c	58319F84c	EGWO	34	37	3	7	4,694.765	2,722.199	2.65	5.9
4166,38441	2669,770971		58327F84c	EGWO	37	4166,38441	2620,899212		24	F	F84c	58327F84c	EGWO	33	36	3	4	4,694.765	2,722.199	2.65	2.1
3965,656469	2454,855424		58335F84c	EGWO	41	3965,656469	2327,579613		44	F	F84c	58335F84c	EGWO	36	38	2	5	4,694.765	2,299.736	2.65	5.9
4505,545944	2764,860123		58343F84c	EGWO	38	4505,545944	2789,137935		10	F	F84c	58343F84c	EGWO	36	39	3	2	4,694.765	2,722.199	2.65	2.1
4544,597749	3592,888152		58343F84c	STWO	29	4544,597749	3078,895516		10	F	F84c	58343F84c	STWO	21	20	-1	8	4,694.765	3,567.125	-1.55	9.7
4003,880171	2664,248218		58351F84c	EGWO	37	4003,880171	2515,056396		28	F	F84c	58351F84c	EGWO	30	33	3	7	4,694.765	2,722.199	2.65	5.9
4201,464946	2712,848906		58378F84c	EGWO	36	4201,464946	2673,56241		52	F	F84c	58378F84c	EGWO	32	35	3	4	4,694.765	2,722.199	2.65	2.1
4367,400772	2659,686847		58386F84c	EGWO	40	4367,400772	2628,489483		32	F	F84c	58386F84c	EGWO	36	39	3	4	4,694.765	2,722.199	2.65	2.1
4414,005735	2726,611755		58394F84c	EGWO	38	4414,005735	2743,565072		26	F	F84c	58394F84c	EGWO	35	38	3	3	4,694.765	2,722.199	2.65	2.1
4123,408602	2668,280984		58408F84c	EGWO	38	4123,408602	2543,12567		10	F	F84c	58408F84c	EGWO	31	35	4	7	4,694.765	2,722.199	4.75	5.9
4163,072122	2612,755353		58416F84c	EGWO	39	4163,072122	2549,77749		55	F	F84c	58416F84c	EGWO	34	37	3	5	4,694.765	2,722.199	2.65	5.9
4149,019426	2742,751306		58424F84c	EGWO	37	4149,019426	2611,008101		14	F	F84c	58424F84c	EGWO	30	34	4	7	4,694.765	2,722.199	4.75	5.9
4316,166035	2933,749327		58432F84c	EGWO	34	4316,166035	2855,398333		18	F	F84c	58432F84c	EGWO	33	36	3	1	4,694.765	3,144.662	2.65	2.1
4177,84757	2691,698856		58564F84c	EGWO	39	4177,84757	2499,99193		38	F	F84c	58564F84c	EGWO	32	36	4	7	4,694.765	2,722.199	4.75	5.9
4063,790432	2580,879106		58815N74c	EGWO	40	4063,790432	2318,645381		173	N	N74c	58815N74c	EGWO	38	36	-2	2	4,694.765	2,722.199	-1.55	2.1
4436,640319	2770,183104		58831N74c	EGWO	41	4436,640319	2638,701786		28	N	N74c	58831N74c	EGWO	34	38	4	7	4,694.765	2,722.199	4.75	5.9
4473,511806	2785,710939		58858N74c	EGWO	41	4473,511806	2644,133846		26	N	N74c	58858N74c	EGWO	34	38	4	7	4,694.765	2,722.199	4.75	5.9
4325,107468	2609,517129		58866N74c	EGWO	46	4325,107468	2345,986667		24	N	N74c	58866N74c	EGWO	36	40	4	10	4,694.765	2,722.199	4.75	9.7
3842,692721	2654,48821		58874N74c	EGWO	40	3842,692721	2253,062362		10	N	N74c	58874N74c	EGWO	34	36	2	6	3,112.304	2,722.199	2.65	5.9
4675,865264			58882N74c	EGWO	40	4675,865264	2855,632448		20	N	N74c	58882N74c	EGWO	39	41	2	1	4,694.765		2.65	2.1
3506,375719	2444,137324		58998T94b	EGWO	30	3506,375719	2452,794403		36	T	T94b	58998T94b	EGWO	27	30	3	3	3,112.304	2,299.736	2.65	2.1
3405,590141	3452,693457		58998T94b	STWO	7	3405,590141	3575,054191		10	T	T94b	58998T94b	STWO	9	6	-3	-2	3,112.304	3,567.125	-3.65	-1.7
3286,092184	2420,297243		59005T94b	EGWO	27	3286,092184	2388,103159		25	T	T94b	59005T94b	EGWO	24	26	2	3	3,112.304	2,299.736	2.65	2.1
3760,771476	3463,779262		59005T94b	STWO	12	3760,771476	2847,6875		4	T	T94b	59005T94b	STWO	8	6	-2	4	3,112.304	3,567.125	-1.55	2.1
3364,052059	2508,843337		59013T94b	EGWO	22	3364,052059	2580,28034		39	T	T94b	59013T94b	EGWO	21	25	4	1	3,112.304	2,299.736	4.75	2.1
3706,780871	2663,56063		59021T94b	EGWO	25	3706,780871	2759,219275		26	T	T94b	59021T94b	EGWO	23	28	5	2	3,112.304	2,722.199	4.75	2.1
4132,653061	2629,754274		59048T94b	EGWO	27	4132,653061	2809,428834		2	T	T94b	59048T94b	EGWO	23	28	5	4	4,694.765	2,722.199	4.75	2.1
3466,096012	3396,87122		59048T94b	STWO	7	3466,096012	3552,262553		50	T	T94b	59048T94b	STWO	5	5	0	2	3,112.304	3,567.125	0.55	2.1
3212,94597	2317,6832		59056T94b	EGWO	30	3212,94597	2249,497895		19	T	T94b	59056T94b	EGWO	23	28	5	7	3,112.304	2,299.736	4.75	5.9
3322,357188	3119,876709		59056T94b	STWO	17	3322,357188	2300,130731		15	T	T94b	59056T94b	STWO	8	6	-2	9	3,112.304	3,144.662	-1.55	9.7
3155,647383	2326,645136		59064T94b	EGWO	27	3155,647383	2302,625833		12	T	T94b	59064T94b	EGWO	25	26	1	2	3,112.304	2,299.736	0.55	2.1
3338,355313	3386,612237		59064T94b	STWO	7	3338,355313	3512,993171		41	T	T94b	59064T94b	STWO	5	5	0	2	3,112.304	3,567.125	0.55	2.1
3210,227273	2449,568307		59072T94b	EGWO	27	3210,227273	2589,105		2	T	T94b	59072T94b	EGWO	23	28	5	4	3,112.304	2,299.736	4.75	2.1
3616,429086	3385,568158		59072T94b	STWO	7	3616,429086	3702,980397		19	T	T94b	59072T94b	STWO	7	7	0	0	3,112.304	3,567.125	0.55	-1.7
3374,678899	3133,79867		59080T94b	STWO	17	3374,678899	2332,205769		25	T	T94b	59080T94b	STWO	11	7	-4	6	3,112.304	3,144.662	-3.65	5.9
3462,683771	3299,315456		59099T94b	STWO	7	3462,683771	3699,973176		28	T	T94b	59099T94b	STWO	7	6	-1	0	3,112.304	3,144.662	-1.55	-1.7
3925,552078	2572,813857		59102T93j	EGWO	30	3925,552078	2736,561049		30	T	T93j	59102T93j	EGWO	30	34	4	0	4,694.765	2,722.199	4.75	-1.7
3701,585396	2976,971674		59110T93j	EGWO	22	3701,585396	2905,056068		20	T	T93j	59110T93j	EGWO	20	24	4	2	3,112.304	3,144.662	4.75	2.1
3632,018518	2551,567255		59129T93j	EGWO	27	3632,018518	2667,84206		53	T	T93j	59129T93j	EGWO	25	30	5	2	3,112.304	2,722.199	4.75	2.1
3630,326756	2554,711941		59137T93j	EGWO	27	3630,326756	2665,316433		55	T	T93j	59137T93j	EGWO	25	30	5	2	3,112.304	2,722.199	4.75	2.1
3951,923077	3182,751476		59145T93j	EGWO	27	3951,923077	3648,5		1	T	T93j	59145T93j	EGWO	25	29	4	2	4,694.765	3,144.662	4.75	2.1
3393,457483	2431,85895		59153T93j	EGWO	28	3393,457483	2428,546789		25	T	T93j	59153T93j	EGWO	23	28	5	5	3,112.304	2,299.736	4.75	5.9
3381,213152	3159,106741		59153T93j	STWO	30	3381,213152	2346,582222		18	T	T93j	59153T93j	STWO	14	7	-7	16	3,112.304	3,144.662	-7.85	17.3
5258,122461	3772,697477		59161M33b	STWO	34	5258,122461	3410,46212		42	M	M33b	59161M33b	STWO	35	33	-2	-1	4,694.765	3,567.125	-1.55	-1.7
5296,482599	3691,994683		59161M33g	STWO	31	5296,482599	3666,077522		38	M	M33g	59161M33g	STWO	33	30	-3	-2	4,694.765	3,567.125	-3.65	-1.7
5627,969858	2934,221961		59196M33b	EGWO	49	5627,969858	2835,79645		10	M	M33b	59196M33b	EGWO	48	48	0	1	6,277.225	3,144.662	0.55	2.1
5285,936498	2659,174167		59226M33b	EGWO	49	5285,936498	2344,29777		20	M	M33b	59226M33b	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
5428,944001	3766,415866		59234M33b	STWO	32	5428,944001	3704,835772		120	M	M33b	59234M33b	STWO	33	31	-2	-1	4,694.765	3,567.125	-1.55	-1.7
5857,937236	3758,617954		59250M33b	STWO	39	5857,937236	2678,655273		25	M	M33b	59250M33b	STWO	38	36	-2	1	6,277.225	3,567.125	-1.55	2.1
7014,723559	4114,365653		59277A04g	STWO	48	7014,723559	3285,169112		18	A	A04g	59277A04g	STWO	42	41	-1	6	6,277.225	3,989.588	-1.55	5.9
7176,50185	4239,413233		59285A04g	STWO	48	7176,50185	3443,723129		18	A	A04g	59285A04g	STWO	42	41	-1	6	7,859.686	4,412.051	-1.55	5.9
3984,529236	2695,34077		59315F85a	EGWO	37	3984,529236	2392,426556		34	F	F85a	59315F85a	EGWO	31	32	1	6	4,694.765	2,722.199	0.55	5.9
4477,971719			59315F85a	STWO	31	4477,971719	3064,106131		58	F	F85a	59315F85a	STWO	26	24	-2	5	4,694.765		-1.55	5.9
3877,87728	2648,568682		59323F85a	EGWO	38	3877,87728	2337,992596		43	F	F85a	59323F85a	EGWO	32	32	0	6	3,112.304	2,722.199	0.55	5.9
4444,754379	2850,44898		59331F85a	EGWO	38	4444,754379	2528,139363		15	F	F85a	59331F85a	EGWO	35	36	1	3	4,694.765	2,722.199	0.55	2.1
4005,797987	2524,615197		59358F85a	EGWO	42	4005,797987	2288,516972		66	F	F85a	59358F85a	EGWO	35	37	2	7	4,694.765	2,722.199	2.65	5.9
4927,571709	2685,110734		59404F77b	EGWO	47	4927,571709	2617,394186		25	F	F77b	59404F77b	EGWO	43	45	2	4	4,694.765	2,722.199	2.65	2.1
4933,301639	2697,732029		59412F77b	EGWO	47	4977,316295	2641,74877		13	F	F77b	59412F77b	EGWO	44	45	1	3	4,694.765	2,722.199	0.55	2.1
4129,461279	3305,360207		59412F77b	STWO	23	4129,461279	2487,981107		6	F	F77b	59412F77b	STWO	17	20	3	6	4,694.765	3,144.662	2.65	5.9
4755,192183	2617,47292		59420F77b	EGWO	49	4755,192183	2410,159609		32	F	F77b	59420F77b	EGWO	42	45	3	7	4,694.765	2,722.199	2.65	5.9
4863,991477	3094,499614		59439F77b	EGWO	42	4863,991477	2443,540061		22	F	F77b	59439F77b	EGWO	40	40	0	2	4,694.765	3,144.662	0.55	2.1
4341,258407	3413,369305		59439F77b	STWO	23	4341,258407	2727,266888		8	F	F77b	59439F77b	STWO	17	21	4	6	4,694.765	3,567.125	4.75	5.9
4874,176009	2663,955755		59447F77b	EGWO	48	4874,176009	2553,568657		24	F	F77b	59447F77b	EGWO	44	45	1	4	4,694.765	2,722.199	0.55	2.1
4825	3459,383232		59447F77b	STWO	18	4825	2738,517435		4	F	F77b	59447F77b	STWO	16	17	1	2	4,694.765	3,567.125	0.55	2.1
5144,720762	2685,201133		59455F77b	EGWO	49	5144,720762	2491,749264		32	F	F77b	59455F77b	EGWO	45	48	3	4	4,694.765	2,722.199	2.65	2.1
5085,119798			59455F77b	STWO	18	5085,119798			2	F	F77b	59455F77b	STWO	16	17	1	2	4,694.765		0.55	2.1
5117,403204	3693,176021		59463F86b	STWO	30	5117,403204	3451,115222		20	F	F86b	59463F86b	STWO		28			4,694.765	3,567.125		
5462,924546	3771,138006		59498M32c	STWO	30	5462,924546	3798,820948		42	M	M32c	59498M32c	STWO	34	31	-3	-4	4,694.765	3,567.125	-3.65	-5.5
6479,586749	4163,808174		59501A04g	STWO	38	6479,586749	4335,944253		27	A	A04g	59501A04g	STWO	37	36	-1	1	6,277.225	3,989.588	-1.55	2.1
7592,351023	4279,008673		59528K23d	STWO	46	7592,351023	4099,549382		675	K	K23d	59528K23d	STWO	46	44	-2	0	7,859.686	4,412.051	-1.55	-1.7
6380,712451	3041,606632		59625M33f	EGWO	49	6380,712451	2685,746211		86	M	M33f	59625M33f	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
6067,07978	3792,107313		59625M33f	STWO	39	6067,07978	3649,677674		80	M	M33f	59625M33f	STWO	41	37	-4	-2	6,277.225	3,989.588	-3.65	-1.7
5592,010807	3668,068947		59638E75a	STWO	49	5592,010807	2631,712552		23	E	E75a	59638E75a	STWO	36	34	-2	13	6,277.225	3,567.125	-1.55	13.5
5974,185647	3468,392551		59641N66d	EGWO	34	5974,185647	3491,522102		17	N	N66d	59641N66d	EGWO	40	41	1	-6	6,277.225	3,567.125	0.55	-5.5
6498,882996	4006,236764		59668A04f	STWO	48	6498,882996	3134,899382		46	A	A04f	59668A04f	STWO	44	39	-5	4	6,277.225	3,989.588	-5.75	2.1
6055,719642	3810,477413		59714K90i	STWO	42	6055,719642	3560,288779		31	K	K90i	59714K90i	STWO	44	36	-8	-2	6,277.225	3,989.588	-7.85	-1.7
6023,182994	3819,551906		59722K90i	STWO	42	6023,182994	3561,368895		37	K	K90i	59722K90i	STWO	42	37	-5	0	6,277.225	3,989.588	-5.75	-1.7
6321,865086	3997,605703		59730K90i	STWO	41	6321,865086	3741,479483		38	K	K90i	59730K90i	STWO	45	38	-7	-4	6,277.225	3,989.588	-7.85	-5.5
7070,775656	4092,119854		59862E12b	STWO	48	7070,775656	3698,517597		257	E	E12b	59862E12b	STWO	46	42	-4	2	7,859.686	3,989.588	-3.65	2.1
5734,899821	3832,060801		59919F87c	STWO	35	5734,899821	3703,563006		71	F	F87c	59919F87c	STWO	34	33	-1	1	6,277.225	3,989.588	-1.55	2.1
6780,347321	4159,51972		59927E14f	STWO	46	6785,715722	3626,854932		197	E	E14f	59927E14f	STWO	42	39	-3	4	6,277.225	3,989.588	-3.65	2.1
6069,876261	2731,140511		59951M56f	EGWO	49	6069,876261	2495,26694		17	M	M56f	59951M56f	EGWO	49	45	-4	0	6,277.225	2,722.199	-3.65	-1.7
5805,785956	2860,613197		59978M56f	EGWO	49	5805,785956	2434,760461		58	M	M56f	59978M56f	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5676,064208	2885,819197		59986M56f	EGWO	49	5676,064208	2580,353154		26	M	M56f	59986M56f	EGWO	48	49	1	1	6,277.225	2,722.199	0.55	2.1
6240,417999	2982,407863		59994M56f	EGWO	49	6240,417999	2728,779976		89	M	M56f	59994M56f	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5712,219447	2891,874923		60003M56f	EGWO	49	5712,219447	2582,016162		26	M	M56f	60003M56f	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4550,756306	3336,207176		60011M56f	STWO	29	4550,756306	3225,910858		101	M	M56f	60011M56f	STWO	28	27	-1	1	4,694.765	3,144.662	-1.55	2.1
7866,666667			60038M56f	EGWO	49	7866,666667			1	M	M56f	60038M56f	EGWO	49	49	0	0	7,859.686		0.55	-1.7
4867,306192	3462,488595		60038M56f	STWO	34	4867,306192	3203,758077		190	M	M56f	60038M56f	STWO	30	29	-1	4	4,694.765	3,567.125	-1.55	2.1
4000,099743	3231,207271		60046F76b	STWO	17	4000,099743	2825,844439		72	F	F76b	60046F76b	STWO	17	18	1	0	4,694.765	3,144.662	0.55	1.7
5772,708305			60062A09i	STWO	37	5772,708305			45	A	A09i	60062A09i	STWO	38	36	-2	-1	6,277.225		-1.55	-1.7
4569,724325	2915,54673		60089N66d	EGWO	34	4569,724325	3003,309376		7	N	N66d	60089N66d	EGWO	35	36	1	-1	4,694.765	2,722.199	0.55	-1.7
5549,07782	3670,805262		60151M32c	STWO	34	5549,07782	3647,366182		35	M	M32c	60151M32c	STWO	37	34	-3	-3	6,277.225	3,567.125	-3.65	-1.7
4252,252252	2519,438149		60364F84c	EGWO	39	4252,252252	2450,439438		2	F	F84c	60364F84c	EGWO	33	36	3	6	4,694.765	2,722.199	2.65	5.9
4252,252252	2519,438149		60372F84c	EGWO	39	4252,252252	2422,518426		2	F	F84c	60372F84c	EGWO	33	36	3	6	4,694.765	2,722.199	2.65	5.9
4175,615572	2573,947827		60380F84c	EGWO	35	4175,615572	2681,83787		40	F	F84c	60380F84c	EGWO	36	38	2	-1	4,694.765	2,722.199	2.65	-1.7
4067,562756	2459,351934		60399F84c	EGWO	43	4067,562756	2315,422928		4	F	F84c	60399F84c	EGWO	33	40	7	10	4,694.765	2,299.736	6.85	9.7
4027,030163	2451,946378		60402F84c	EGWO	42	4027,030163	2353,332414		27	F	F84c	60402F84c	EGWO	36	39	3	6	4,694.765	2,299.736	2.65	5.9
4185,752062	2577,688007		60410F84c	EGWO	41	4185,752062	2459,508083		16	F	F84c	60410F84c	EGWO	34	38	4	7	4,694.765	2,722.199	4.75	5.9
4196,750434	2608,012184		60429F84c	EGWO	41	4196,750434	2479,77657		18	F	F84c	60429F84c	EGWO	35	38	3	6	4,694.765	2,722.199	2.65	5.9
4016,218854	2500,705606		60437F84c	EGWO	41	4016,218854	2384,802978		28	F	F84c	60437F84c	EGWO	35	38	3	6	4,694.765	2,299.736	2.65	5.9
4013,875349	2454,012456	[redacted]	60445F84c	EGWO	42	4013,875349	2298,960164	[redacted]	21	F	F84c	60445F84c	EGWO	35	39	4	7	4,694.765	2,299.736	4.75	5.9

5836,591645	3957,769275	[redacted]	60445F84c	STWO	24	5836,591645	3144,876312	[redacted]	4	F	F84c	60445F84c	STWO	20	20	0	4	6,277.225	3,989.588	0.55	2.1
4850,526184	3038,993957		60453F84c	EGWO	34	4850,526184	3521,789836		11	F	F84c	60453F84c	EGWO	34	39	5	0	4,694.765	3,144.662	4.75	-1.7
4252,842262	2657,125784		60461F84c	EGWO	40	4252,842262	2541,977874		3	F	F84c	60461F84c	EGWO	33	39	6	7	4,694.765	2,722.199	6.85	5.9
4294,283088	2734,099273		60488F84c	EGWO	39	4294,283088	2590,655714		3	F	F84c	60488F84c	EGWO	33	36	3	6	4,694.765	2,722.199	2.65	5.9
3426,841137	2531,092733		60496F84c	EGWO	34	3426,841137	2280,110618		26	F	F84c	60496F84c	EGWO	29	31	2	5	3,112.304	2,722.199	2.65	5.9
3817,914794	2515,758248		60518F84c	EGWO	39	3817,914794	2327,113799		80	F	F84c	60518F84c	EGWO	34	35	1	5	3,112.304	2,722.199	0.55	5.9
5540,419267	3889,496838		60518F84c	STWO	29	5540,419267	3306,57111		4	F	F84c	60518F84c	STWO	20	25	5	9	6,277.225	3,989.588	4.75	9.7
3854,007596	2532,67984		60526F84c	EGWO	38	3854,007596	2334,517807		42	F	F84c	60526F84c	EGWO	32	34	2	6	3,112.304	2,722.199	2.65	5.9
4226,214546	2646,80619		60534F84c	EGWO	38	4226,214546	2484,475697		64	F	F84c	60534F84c	EGWO	33	37	4	5	4,694.765	2,722.199	4.75	5.9
3201,24503	2369,406483		60712T93d	EGWO	27	3201,24503	2330,615		6	T	T93d	60712T93d	EGWO	21	27	6	6	3,112.304	2,299.736	6.85	5.9
3850,650947	3436,382699		60712T93d	STWO	10	3850,650947	3424,449017		14	T	T93d	60712T93d	STWO	10	11	1	0	3,112.304	3,567.125	0.55	-1.7
3483,16866	2427,289715		60720T93d	EGWO	26	3483,16866	2213,386328		39	T	T93d	60720T93d	EGWO	26	30	4	0	3,112.304	2,299.736	4.75	-1.7
3296,313323	2451,443648		60739T93d	EGWO	22	3296,313323	2191,5562		28	T	T93d	60739T93d	EGWO	19	26	7	3	3,112.304	2,299.736	6.85	2.1
3131,207452	2331,449232		60747T93d	EGWO	25	3131,207452	2328,05221		28	T	T93d	60747T93d	EGWO	23	26	3	2	3,112.304	2,299.736	2.65	2.1
3692,91708	2464,541463		60771F84c	EGWO	35	3692,91708	2339,24931		57	F	F84c	60771F84c	EGWO	28	33	5	7	3,112.304	2,299.736	4.75	5.9
4553,859428	3505,11777		60771F84c	STWO	29	4553,859428	3189,112139		69	F	F84c	60771F84c	STWO	23	24	1	6	4,694.765	3,567.125	0.55	5.9
6096,551724	3911,85982		60758A05f	STWO	31	6096,551724	3215,0055		1	A	A05f	60758A05f	STWO	40	37	-3	-9	6,277.225	3,989.588	-3.65	-9.3
6042,961361	3776,08859		60801K48d	STWO	43	6042,961361	3227,404328		88	K	K48d	60801K48d	STWO	43	37	-6	0	6,277.225	3,567.125	-5.75	-1.7
6147,925342	3884,251948		60828K48d	STWO	40	6147,925342	3691,929767		353	K	K48d	60828K48d	STWO	42	37	-5	-2	6,277.225	3,989.588	-5.75	-1.7
6614,317807	4013,498019		60836K48d	STWO	42	6614,317807	3861,972211		313	K	K48d	60836K48d	STWO	43	40	-3	-1	6,277.225	3,989.588	-3.65	-1.7
6156,333763	3823,684282		60844K48d	STWO	43	6156,333763	3506,203073		131	K	K48d	60844K48d	STWO	42	38	-4	1	6,277.225	3,989.588	-3.65	2.1
6388,466696	3898,290683		60852K48d	STWO	43	6388,466696	3624,900544		67	K	K48d	60852K48d	STWO	43	40	-3	0	6,277.225	3,989.588	-3.65	-1.7
6469,509052	3998,794252		60860K48d	STWO	46	6469,509052	3466,247125		106	K	K48d	60860K48d	STWO	42	38	-4	4	6,277.225	3,989.588	-3.65	2.1
5078,664165	2615,413977		60887M35c	EGWO	49	5078,664165	2532,209594		179	M	M35c	60887M35c	EGWO	48	45	-3	1	4,694.765	2,722.199	-3.65	2.1
5124,933635	3560,480249		60887M35c	STWO	42	5124,933635	2570,770373		26	M	M35c	60887M35c	STWO	35	30	-5	7	4,694.765	3,567.125	-5.75	5.9
5770,337561	2977,142254		60895M35c	EGWO	46	5770,337561	3054,320477		132	M	M35c	60895M35c	EGWO	49	49	0	-3	6,277.225	3,144.662	0.55	-1.7
6455,882353	3799,982408		60895M35c	STWO	37	6455,882353	2751,912116		1	M	M35c	60895M35c	STWO	31	29	-2	6	6,277.225	3,989.588	-1.55	5.9
4595,9791	2557,877599		60909M35c	EGWO	49	4595,9791	2156,57385		2	M	M35c	60909M35c	EGWO	49	46	-3	0	4,694.765	2,722.199	-3.65	-1.7
4550	3330,827863		60909M35c	STWO	37	4550	2912,631307		1	M	M35c	60909M35c	STWO	31	29	-2	6	4,694.765	3,144.662	-1.55	5.9
4561,632021	2543,925578		60909M35f	EGWO	49	4561,632021	2243,412938		14	M	M35f	60909M35f	EGWO	45	44	-2	3	4,694.765	2,722.199	-1.55	2.1
4772,77126	3615,404824		60909M35f	STWO	27	4772,77126	3570,765639		38	M	M35f	60909M35f	STWO	27	25	-2	0	4,694.765	3,567.125	-1.55	-1.7
5129,36646	3044,634604		60917M35c	EGWO	49	5129,36646	2790,561895		2	M	M35c	60917M35c	EGWO	49	46	-3	0	4,694.765	3,144.662	-3.65	-1.7
5425,229908	3175,978456		60925M35c	EGWO	49	5425,229908	3023,083817		3	M	M35c	60925M35c	EGWO	49	46	-3	0	4,694.765	3,144.662	-3.65	-1.7
5114,549204	2746,462011		60933M35c	EGWO	48	5114,549204	2756,892883		131	M	M35c	60933M35c	EGWO	49	46	-3	-1	4,694.765	2,722.199	-3.65	-1.7
4870,335231	3550,736658		60933M35c	STWO	32	4870,335231	3606,192782		6	M	M35c	60933M35c	STWO	31	27	-4	1	4,694.765	3,567.125	-3.65	2.1
5297,370531	2706,003614		60941M35c	EGWO	49	5297,370531	2463,607338		33	M	M35c	60941M35c	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
4585,031323	3343,874793		60976M35e	STWO	33	4585,031323	2959,678778		31	M	M35e	60976M35e	STWO	30	27	-3	3	4,694.765	3,144.662	-3.65	2.1
4631,40684	2630,445755		60976M35f	EGWO	49	4631,40684	2299,962942		16	M	M35f	60976M35f	EGWO	44	44	0	5	4,694.765	2,722.199	0.55	5.9
4626,953822	3554,436553		60976M35f	STWO	27	4626,953822	3417,529099		35	M	M35f	60976M35f	STWO	26	23	-3	1	4,694.765	3,567.125	-3.65	2.1
5236,842105	3803,636893		60984M35c	STWO	37	5236,842105	3896,322624		1	M	M35c	60984M35c	STWO	31	29	-2	6	4,694.765	3,989.588	-1.55	5.9
4900,828646	2652,561526		60984M35f	EGWO	49	4900,828646	2410,952213		14	M	M35f	60984M35f	EGWO	45	45	0	4	4,694.765	2,722.199	0.55	2.1
4545,999839	3553,554238		60984M35f	STWO	23	4545,999839	3527,211277		53	M	M35f	60984M35f	STWO	24	22	-2	-1	4,694.765	3,567.125	-1.55	-1.7
4726,407462	2605,05969		60992M35e	EGWO	48	4726,407462	2286,002704		21	M	M35e	60992M35e	EGWO	49	45	-4	-1	4,694.765	2,722.199	-3.65	-1.7
4703,454897	3469,099467		60992M35e	STWO	31	4703,454897	3267,809302		95	M	M35e	60992M35e	STWO	30	27	-3	1	4,694.765	3,567.125	-3.65	2.1
4994,784218	2680,368399		60992M35f	EGWO	49	4994,784218	2553,138051		76	M	M35f	60992M35f	EGWO	46	46	0	3	4,694.765	2,722.199	0.55	2.1
4772,739871	3783,068637		60992M35f	STWO	24	4772,739871	3626,59743		279	M	M35f	60992M35f	STWO	23	21	-2	1	4,694.765	3,989.588	-1.55	2.1
5445,823498	4116,933944		60992M51c	STWO	31	5445,823498	3758,909697		58	M	M51c	60992M51c	STWO	27	24	-3	4	4,694.765	3,989.588	-3.65	2.1
4550,333122	2528,343919		61018M35e	EGWO	49	4550,333122	2264,17069		31	M	M35e	61018M35e	EGWO	46	44	-2	3	4,694.765	2,722.199	-1.55	2.1
4648,535642	3557,412278		61018M35e	STWO	30	4648,535642	3248,159619		8	M	M35e	61018M35e	STWO	25	23	-2	5	4,694.765	3,567.125	-1.55	5.9
4692,72449	2592,281412		61018M35f	EGWO	49	4692,72449	2221,204327		50	M	M35f	61018M35f	EGWO	46	45	-1	3	4,694.765	2,722.199	-1.55	2.1
4533,564705	3444,399857		61018M35f	STWO	30	4533,564705	3191,823967		192	M	M35f	61018M35f	STWO	26	24	-2	4	4,694.765	3,567.125	-1.55	2.1
4634,214831	2614,573428		61026M35e	EGWO	49	4634,214831	2289,421429		7	M	M35e	61026M35e	EGWO	45	43	-2	4	4,694.765	2,722.199	-1.55	2.1
4855,164913	3453,292304		61026M35e	STWO	29	4855,164913	3339,338475		47	M	M35e	61026M35e	STWO	25	22	-3	4	4,694.765	3,567.125	-3.65	2.1
4815,063101	2653,177729		61034M35e	EGWO	49	4815,063101	2388,109634		13	M	M35e	61034M35e	EGWO	46	45	-1	3	4,694.765	2,722.199	-1.55	2.1
4989,590589	3995,684079		61034M35e	STWO	26	4989,590589	3696,307619		165	M	M35e	61034M35e	STWO	22	20	-2	4	4,694.765	3,989.588	-1.55	2.1
5352,676528	2665,899663		61042M35f	EGWO	49	5352,676528	2451,539217		17	M	M35f	61042M35f	EGWO	49	49	0	0	4,694.765	2,722.199	0.55	-1.7
4604,087298	2566,286835		61050M35e	EGWO	49	4604,087298	2269,866282		8	M	M35e	61050M35e	EGWO	46	44	-2	3	4,694.765	2,722.199	-1.55	2.1
4674,260139	3526,19639		61050M35e	STWO	27	4674,260139	3385,513239		77	M	M35e	61050M35e	STWO	25	23	-2	2	4,694.765	3,567.125	-1.55	2.1
4663,020788	2622,668729		61069M35f	EGWO	49	4663,020788	2319,732384		19	M	M35f	61069M35f	EGWO	42	44	2	7	4,694.765	2,722.199	2.65	5.9
4346,594907	3414,979579		61069M35f	STWO	26	4346,594907	2963,835567		63	M	M35f	61069M35f	STWO	23	21	-2	3	4,694.765	3,567.125	-1.55	2.1
4841,101695	2655,353185		61077M35e	EGWO	49	4841,101695	2342,88		12	M	M35e	61077M35e	EGWO	46	45	-1	3	4,694.765	2,722.199	-1.55	2.1
4749,607043	3471,618845		61077M35e	STWO	33	4749,607043	2386,393321		20	M	M35e	61077M35e	STWO	29	27	-2	4	4,694.765	3,567.125	-1.55	2.1
4723,526535	2813,219264		61085M35e	EGWO	49	4723,526535	2733,755		4	M	M35e	61085M35e	EGWO	46	44	-2	3	4,694.765	2,722.199	-1.55	2.1
4648,450203	3684,11352		61085M35e	STWO	28	4648,450203	3650,210288		3	M	M35e	61085M35e	STWO	26	23	-3	2	4,694.765	3,567.125	-3.65	2.1
4686,687815	3592,843273		61093M35e	STWO	26	4686,687815	3502,004866		152	M	M35e	61093M35e	STWO	27	24	-3	-1	4,694.765	3,567.125	-3.65	-1.7
4589,788375	2610,172169		61107M35e	EGWO	48	4589,788375	2182,333593		15	M	M35e	61107M35e	EGWO	44	43	-1	4	4,694.765	2,722.199	-1.55	2.1
4504,570975	3487,001292		61107M35e	STWO	26	4504,570975	3387,305879		16	M	M35e	61107M35e	STWO	25	23	-2	1	4,694.765	3,567.125	-1.55	2.1
4644,547248	2567,829386		61107M35f	EGWO	49	4644,547248	2257,870632		84	M	M35f	61107M35f	EGWO	46	45	-1	3	4,694.765	2,722.199	-1.55	2.1
4560,377317	3546,249169		61107M35f	STWO	24	4560,377317	3455,520643		138	M	M35f	61107M35f	STWO	24	22	-2	0	4,694.765	3,567.125	-1.55	-1.7
4716,315142	2690,367249		61123M35e	EGWO	48	4716,315142	2407,563513		10	M	M35e	61123M35e	EGWO	44	43	-1	4	4,694.765	2,722.199	-1.55	2.1
4868,426891	2642,250287		61158M35e	EGWO	49	4868,426891	2366,109931		16	M	M35e	61158M35e	EGWO	46	46	0	3	4,694.765	2,722.199	0.55	2.1
4701,92971	2853,9321		61166M35f	EGWO	45	4701,92971	2584,446667		20	M	M35f	61166M35f	EGWO	40	40	0	5	4,694.765	2,722.199	0.55	5.9
5058,042005	2883,627572		61174M35e	EGWO	44	5058,042005	2522,623012		10	M	M35e	61174M35e	EGWO	46	40	-6	-2	4,694.765	2,722.199	-5.75	-1.7
4814,17531	2707,031058		61182M35f	EGWO	48	4814,17531	2433,340538		11	M	M35f	61182M35f	EGWO	45	43	-2	3	4,694.765	2,722.199	-1.55	2.1
5070,171532	2941,198883		61204M35f	EGWO	44	5070,171532	2982,669894		28	M	M35f	61204M35f	EGWO	43	41	-2	1	4,694.765	3,144.662	-1.55	2.1
4989,513987	3659,892476		61212M35e	STWO	33	4989,513987	3349,329789		15	M	M35e	61212M35e	STWO	31	28	-3	2	4,694.765	3,567.125	-3.65	2.1
5171,858715	2884,965432		61220M35f	EGWO	49	5171,858715	2686,742381		16	M	M35f	61220M35f	EGWO	47	46	-1	2	4,694.765	2,722.199	-1.55	2.1
4390,997521	2628,823063		61239M35f	EGWO	45	4390,997521	2362,917507		36	M	M35f	61239M35f	EGWO	43	41	-2	2	4,694.765	2,722.199	-1.55	2.1
4943,181818			61239M35f	STWO	26	4943,181818			1	M	M35f	61239M35f	STWO	25	22	-3	1	4,694.765		-3.65	2.1
4910,69529	2619,827761		61247M35f	EGWO	49	4910,69529	2298,781837		23	M	M35f	61247M35f	EGWO	48	47	-1	1	4,694.765	2,722.199	-1.55	2.1
4890,156123	2671,989038		61263M35f	EGWO	49	4890,156123	2379,333587		11	M	M35f	61263M35f	EGWO	47	45	-2	2	4,694.765	2,722.199	-1.55	2.1
4709,490741	2637,303004		61271M35f	EGWO	48	4709,490741	2438,073426		8	M	M35f	61271M35f	EGWO	45	44	-1	3	4,694.765	2,722.199	-1.55	2.1
4495,915033	3559,43731		61271M35f	STWO	21	4495,915033	3564,583102		4	M	M35f	61271M35f	STWO	25	22	-3	-4	4,694.765	3,567.125	-3.65	-5.5
4465,360999	2486,989298		61298M35f	EGWO	49	4465,360999	2212,483636		11	M	M35f	61298M35f	EGWO	44	45	1	5	4,694.765	2,299.736	0.55	5.9
5478,388588	3050,853262		61301M35f	EGWO	44	5478,388588	3576,560985		14	M	M35f	61301M35f	EGWO	43	45	2	1	4,694.765	3,144.662	2.65	2.1
4708,333333	3407,997799		61301M35f	STWO	26	4708,333333	2803,804929		1	M	M35f	61301M35f	STWO	25	22	-3	1	4,694.765	3,567.125	-3.65	2.1
4878,134254	2721,850364		61328M35f	EGWO	49	4878,134254	2455,362802		16	M	M35f	61328M35f	EGWO	46	45	-1	3	4,694.765	2,722.199	-1.55	2.1
4527,744134	3479,7406		61328M35f	STWO	31	4527,744134	3050,163987		39	M	M35f	61328M35f	STWO	26	22	-4	5	4,694.765	3,567.125	-3.65	5.9
5684,977049	3212,269367		61344M35f	EGWO	44	5684,977049	3838,262906		11	M	M35f	61344M35f	EGWO	41	43	2	3	6,277.225	3,144.662	2.65	2.1
4639,858393	2517,631276		61352M35f	EGWO	49	4639,858393	2228,68672		27	M	M35f	61352M35f	EGWO	45	45	0	4	4,694.765	2,722.199	0.55	2.1
4939,001862	3545,50565		61360M35f	STWO	31	4939,001862	3277,693043		12	M	M35f	61360M35f	STWO	30	27	-3	1	4,694.765	3,567.125	-3.65	2.1
3882,219722	3393,642904		61387F78c	STWO	11	3882,219722	3469,316625		36	F	F78c	61387F78c	STWO	11	13	2	0	3,112.304	3,567.125	2.65	-1.7
6887,670724	4000,415046		61425E14f	STWO	49	6887,670724	2962,928681		26	E	E14f	61425E14f	STWO	46	42	-4	3	6,277.225	3,989.588	-3.65	2.1
8018,518519	3259,170365		61433A05d	EGWO	49	8018,518519	2865,950919		1	A	A05d	61433A05d	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
7652,931356	4263,91749		61433A05d	STWO	46	7652,931356	4160,036615		78	A	A05d	61433A05d	STWO	46	44	-2	0	7,859.686	4,412.051	-1.55	-1.7
3608,280499	2530,57221		61468T94i	EGWO	29	3608,280499	2564,533659		28	T	T94i	61468T94i	EGWO	28	30	2	1	3,112.304	2,722.199	2.65	2.1
3702,469136	3235,367962		61468T94i	STWO	12	3702,469136	2896,219139		2	T	T94i	61468T94i	STWO	9	13	4	3	3,112.304	3,144.662	4.75	2.1
3464,166667	2444,410736		61476T94i	EGWO	28	3464,166667	2476,774688		12	T	T94i	61476T94i	EGWO	28	29	1	0	3,112.304	2,299.736	0.55	-1.7
3233,032501	2312,946775		61484T94i	EGWO	29	3233,032501	2302,605556		9	T	T94i	61484T94i	EGWO	24	28	4	5	3,112.304	2,299.736	4.75	5.9
4294,117647	3536,163145		61484T94i	STWO	12	4294,117647	3970,387693		2	T	T94i	61484T94i	STWO	9	13	4	3	4,694.765	3,567.125	4.75	2.1
3486,525567	2799,295193		61492T94i	EGWO	24	3486,525567	2779,516509		4	T	T94i	61492T94i	EGWO	20	23	3	4	3,112.304	2,722.199	2.65	2.1
3108,487767	2223,169963		61506T94i	EGWO	31	3108,487767	2133,939727		36	T	T94i	61506T94i	EGWO	23	28	5	8	3,112.304	2,299.736	4.75	9.7
3582,750583	2498,51514		61514T94i	EGWO	29	3582,750583	2550,276315		11	T	T94i	61514T94i	EGWO	21	30	6	5	3,112.304	2,299.736	6.85	5.9
3205,477408	2557,216562		61522T94i	EGWO	23	3205,477408	2507,1325		4	T	T94i	61522T94i	EGWO	25	23	-2	-2	3,112.304	2,722.199	-1.55	-1.7
4269,607843	3460,089335		61522T94i	STWO	12	4269,607843	2900,216376		2	T	T94i	61522T94i	STWO	9	13	4	3	4,694.765	3,567.125	4.75	2.1
3363,051257	2406,066092		61530T94i	EGWO	28	3363,051257	2405,186212		13	T	T94i	61530T94i	EGWO	23	28	5	5	3,112.304	2,299.736	4.75	5.9
3582,387242	2545,357759		61557T94k	EGWO	28	3582,387242	2579,153016		17	T	T94k	61557T94k	EGWO	26	29	3	2	3,112.304	2,722.199	2.65	2.1
4022,805486	3572,370752		61573T93a	STWO	11	4022,805486	3464,15418		280	T	T93a	61573T93a	STWO	9	11	2	2	4,694.765	3,567.125	2.65	2.1
6589,778883	2941,689598		61581K23d	EGWO	49	6589,778883	2584,1366		6	K	K23d	61581K23d	EGWO		49			6,277.225	3,144.662		
6918,84156	4134,746481		61581K23d	STWO	46	6918,84156	3790,296289		331	K	K23d	61581K23d	STWO	42	41	-1	4	6,277.225	3,989.588	-1.55	2.1
4336,473239	2551,952762		61603F78d	EGWO	36	4336,473239	2360,130252		14	F	F78d	61603F78d	EGWO	33	36	3	3	4,694.765	2,722.199	2.65	2.1
6151,939708	3778,747632		61611E37e	STWO	46	6158,080954	3248,342166		118	E	E37e	61611E37e	STWO	38	35	-3	8	6,277.225	3,989.588	-3.65	9.7
5228,257275	2720,206783		61646M35c	EGWO	49	5228,257275	2547,60622		3	M	M35c	61646M35c	EGWO	49	46	-3	0	4,694.765	2,722.199	-3.65	-1.7
4837,214665	2510,270535		61654M35c	EGWO	49	4837,214665	2304,220613		3	M	M35c	61654M35c	EGWO	49	48	-1	0	4,694.765	2,299.736	-1.55	-1.7
6341,093993	3854,643106	[redacted]	61700M35a	EGWO	48	6341,093993	4628,3845	[redacted]	2	M	M35a	61700M35a	EGWO	48	46	-2	0	6,277.225	3,989.588	-1.55	-1.7

5033,805998	3650,387759	[redacted]	61700M35a	STWO	28	5033,805998	3628,365655	[redacted]	67	M	M35a	61700M35a	STWO	30	28	-2	-2	4,694.765	3,567.125	-1.55	-1.7
4881,796826	3627,515261		61700M35b	STWO	36	4881,796826	3696,178909		32	M	M35b	61700M35b	STWO	28	26	-2	8	4,694.765	3,567.125	-1.55	9.7
4787,693225	2538,776086		61700M35c	EGWO	49	4787,693225	2257,752171		60	M	M35c	61700M35c	EGWO	49	47	-2	0	4,694.765	2,722.199	-1.55	-1.7
4962,834928	3582,652459		61700M35c	STWO	36	4962,834928	3218,076352		258	M	M35c	61700M35c	STWO	31	29	-2	5	4,694.765	3,567.125	-1.55	5.9
4647,885821	2559,109077		61700M35e	EGWO	49	4647,885821	2206,613256		5	M	M35e	61700M35e	EGWO	48	45	-3	1	4,694.765	2,722.199	-3.65	2.1
4454,480592	3555,658713		61700M35e	STWO	25	4454,480592	3394,421604		112	M	M35e	61700M35e	STWO	23	21	-2	2	4,694.765	3,567.125	-1.55	2.1
4763,537392	2618,924956		61700M35f	EGWO	49	4763,537392	2315,105618		12	M	M35f	61700M35f	EGWO	45	45	0	4	4,694.765	2,722.199	0.55	2.1
4658,66777	3530,536554		61700M35f	STWO	27	4658,66777	3341,402799		179	M	M35f	61700M35f	STWO	24	23	-1	3	4,694.765	3,567.125	-1.55	2.1
5463,076341	2798,619022		61700M51b	EGWO	49	5463,076341	2444,773165		26	M	M51b	61700M51b	EGWO	48	49	1	1	4,694.765	2,722.199	0.55	2.1
4999,659677	3554,242917		61700M51b	STWO	35	4999,659677	2620,336476		21	M	M51b	61700M51b	STWO	31	29	-2	4	4,694.765	3,567.125	-1.55	2.1
4252,552276	3369,235174		61700M51c	STWO	24	4252,552276	3218,645652		23	M	M51c	61700M51c	STWO	25	21	-4	-1	4,694.765	3,567.125	-3.65	-1.7
6309,931537	3353,848138		61719N73b	EGWO	41	6309,931537	3689,463333		15	N	N73b	61719N73b	EGWO	44	47	3	-3	6,277.225	3,144.662	2.65	-1.7
6355,329949	3313,262348		61727N73b	EGWO	45	6355,329949	3516		1	N	N73b	61727N73b	EGWO	40	45	5	5	6,277.225	3,144.662	4.75	5.9
4722,799939	3651,087612		61875M35f	STWO	22	4722,799939	3495,93665		9	M	M35f	61875M35f	STWO	25	23	-2	-3	4,694.765	3,567.125	-1.55	-1.7
5659,611326	3886,344867		61905M33a	STWO	40	5659,611326	3159,711209		55	M	M33a	61905M33a	STWO	37	33	-4	3	6,277.225	3,989.588	-3.65	2.1
5635,644882	3783,879636		61921M33a	STWO	33	5635,644882	3766,301875		191	M	M33a	61921M33a	STWO	36	33	-3	-3	6,277.225	3,989.588	-3.65	-1.7
5836,677152	3753,526965		61956M33a	STWO	38	5836,677152	3695,884773		65	M	M33a	61956M33a	STWO	38	37	-1	0	6,277.225	3,567.125	-1.55	-1.7
5705,562271	3723,112464		61964M33a	STWO	37	5705,562271	3657,428582		65	M	M33a	61964M33a	STWO	37	36	-1	0	6,277.225	3,567.125	-1.55	-1.7
4966,398851	3548,343622		61972M33a	STWO	30	4966,398851	3531,654858		66	M	M33a	61972M33a	STWO	33	29	-4	-3	4,694.765	3,567.125	-3.65	-1.7
7189,89929	4085,824889		61959K23d	STWO	49	7189,89929	3603,066019		97	K	K23d	61999K23d	STWO	47	43	-4	2	7,859.686	3,989.588	-3.65	2.1
7106,248552	4191,376417		62014K23d	STWO	47	7106,248552	3775,931361		90	K	K23d	62014K23d	STWO	45	41	-4	2	7,859.686	3,989.588	-3.65	2.1
6980	4224,696108		62022K23d	STWO	44	6980	3932,962325		4	K	K23d	62022K23d	STWO	45	40	-5	-1	6,277.225	4,412.051	-5.75	-1.7
6160,611358	3926,152188		62081E42a	STWO	42	6160,611358	3691,237443		39	E	E42a	62081E42a	STWO	39	38	-1	3	6,277.225	3,989.588	-1.55	2.1
3307,031956	2323,678045		62111T93d	EGWO	32	3307,031956	2214,346677		65	T	T93d	62111T93d	EGWO	24	29	5	8	3,112.304	2,299.736	4.75	9.7
3720,493827	3204,695771		62111T93d	STWO	12	3720,493827	2529,317046		3	T	T93d	62111T93d	STWO	6	12	6	6	3,112.304	3,144.662	6.85	5.9
3332,40874	2535,083355		62138T93d	EGWO	24	3332,40874	2292,764167		60	T	T93d	62138T93d	EGWO	19	24	5	5	3,112.304	2,722.199	4.75	5.9
3825,199379	3525,362479		62138T93d	STWO	10	3825,199379	3616,972209		70	T	T93d	62138T93d	STWO	10	10	0	0	3,112.304	3,567.125	0.55	-1.7
3463,796588	2541,96762		62146T93d	EGWO	22	3463,796588	2345,987278		10	T	T93d	62146T93d	EGWO	20	27	7	2	3,112.304	2,722.199	6.85	2.1
3270,492894	2390,940205		62154T93d	EGWO	29	3270,492894	2317,323889		18	T	T93d	62154T93d	EGWO	21	27	6	8	3,112.304	2,299.736	6.85	9.7
3329,311894	2435,533709		62162T93d	EGWO	29	3329,311894	2364,752306		8	T	T93d	62162T93d	EGWO	22	27	5	7	3,112.304	2,299.736	4.75	5.9
3415,929204	2763,487325		62170T93d	EGWO	27	3415,929204	2773		1	T	T93d	62170T93d	EGWO	22	27	5	5	3,112.304	2,722.199	4.75	5.9
3321,547596	2322,367677		62189T93d	EGWO	32	3321,547596	2246,774486		9	T	T93d	62189T93d	EGWO	25	31	6	7	3,112.304	2,299.736	6.85	5.9
3639,175258	3220,48295		62189T93d	STWO	7	3639,175258	2412,735072		1	T	T93d	62189T93d	STWO	6	7	1	1	3,112.304	3,144.662	0.55	2.1
3179,312621	2464,955367		62219T93d	EGWO	22	3179,312621	2517,086364		11	T	T93d	62219T93d	EGWO	17	23	6	5	3,112.304	2,299.736	6.85	5.9
3614,460988	3288,832126		62219T93d	STWO	8	3614,460988	3328,073869		27	T	T93d	62219T93d	STWO	9	9	0	-1	3,112.304	3,144.662	0.55	-1.7
3209,43036	2425,584869		62227T93d	EGWO	24	3209,43036	2447,12		14	T	T93d	62227T93d	EGWO	18	25	7	6	3,112.304	2,299.736	6.85	5.9
3027,397206	2300,545837		62235T93d	EGWO	24	3027,397206	2290,733333		15	T	T93d	62235T93d	EGWO	17	24	7	7	3,112.304	2,299.736	6.85	5.9
10909,09091	4407,390571		62278A09e	EGWO	49	10909,09091	4642,74		1	A	A09e	62278A09e	EGWO	49	49	0	0	11,024.607	4,412.051	0.55	-1.7
7596,378328	3218,968158		62278A09f	EGWO	49	7596,378328	2653,571874		30	A	A09f	62278A09f	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7
6256,884742	4001,247267		62278A09f	STWO	33	6260,060768	4182,340752		237	A	A09f	62278A09f	STWO	40	36	-4	-7	6,277.225	3,989.588	-3.65	-5.5
4183,024657	2644,159308		62294T94l	EGWO	33	4183,024657	2802,363622		194	T	T94l	62294T94l	EGWO	32	37	5	1	4,694.765	2,722.199	4.75	2.1
3415,862717	2505,85558		62308T94h	EGWO	27	3415,862717	2495,926212		51	T	T94h	62308T94h	EGWO	25	27	2	2	3,112.304	2,299.736	2.65	2.1
3496,276259	2697,802679		62316T94h	EGWO	20	3496,276259	2909,034741		5	T	T94h	62316T94h	EGWO	18	23	5	2	3,112.304	2,722.199	4.75	2.1
3546,761358	2563,619352		62324T94h	EGWO	26	3546,761358	2621,224726		10	T	T94h	62324T94h	EGWO	23	28	5	3	3,112.304	2,722.199	4.75	2.1
3698,045532	2631,567696		62332T94h	EGWO	26	3698,045532	2729,426817		15	T	T94h	62332T94h	EGWO	24	29	5	2	3,112.304	2,722.199	4.75	2.1
3751,302083	2650,390277		62340T94h	EGWO	27	3751,302083	2753,478351		16	T	T94h	62340T94h	EGWO	24	29	5	3	3,112.304	2,722.199	4.75	2.1
3482,894813	3089,836876		62340T94h	STWO	10	3482,894813	3121,033637		84	T	T94h	62340T94h	STWO	6	11	5	4	3,112.304	3,144.662	4.75	2.1
3623,583079	2580,414078		62359T94h	EGWO	27	3623,583079	2640,845247		45	T	T94h	62359T94h	EGWO	24	29	5	3	3,112.304	2,722.199	4.75	2.1
3569,70101	2693,893297		62367T94h	EGWO	20	3569,70101	2791,577987		43	T	T94h	62367T94h	EGWO	19	25	6	1	3,112.304	2,722.199	6.85	2.1
3583,43387	2569,157208		62375T94h	EGWO	27	3583,43387	2623,384973		19	T	T94h	62375T94h	EGWO	22	28	6	5	3,112.304	2,722.199	6.85	5.9
3576,780088	2564,218482		62383T94h	EGWO	27	3576,780088	2609,188924		31	T	T94h	62383T94h	EGWO	23	28	5	4	3,112.304	2,722.199	4.75	2.1
4344,641942	2436,983399		62421M35b	EGWO	47	4344,641942	2260,127494		55	M	M35b	62421M35b	EGWO	46	44	-2	1	4,694.765	2,299.736	-1.55	2.1
5175,461714	3723,640879		62421M35b	STWO	44	5175,461714	3061,654308		56	M	M35b	62421M35b	STWO	31	29	-2	13	4,694.765	3,567.125	-1.55	13.5
4310,127918	2427,708904		62448M35b	EGWO	47	4310,127918	2244,177402		54	M	M35b	62448M35b	EGWO	45	44	-1	2	4,694.765	2,299.736	-1.55	2.1
5321,762551	3716,843433		62448M35b	STWO	46	5321,762551	2887,949837		6	M	M35b	62448M35b	STWO	31	30	-1	15	4,694.765	3,567.125	-1.55	13.5
4669,508235	2754,311125		62456M35b	EGWO	45	4669,508235	2363,866225		14	M	M35b	62456M35b	EGWO	44	41	-3	1	4,694.765	2,722.199	-3.65	2.1
5471,484759	3397,125935		62464M35b	EGWO	42	5471,484759	4063,440345		2	M	M35b	62464M35b	EGWO	44	43	-1	-2	4,694.765	3,567.125	-1.55	-1.7
5721,122449	3937,54876		62464M35b	STWO	41	5721,122449	3170,384088		4	M	M35b	62464M35b	STWO	31	28	-3	10	6,277.225	3,989.588	-3.65	9.7
4346,330946	2520,184444		62472M35b	EGWO	42	4346,330946	2739,39		4	M	M35b	62472M35b	EGWO	44	43	-1	-2	4,694.765	2,722.199	-1.55	-1.7
4540,322581	3388,061978		62472M35b	STWO	41	4540,322581	3154,157907		1	M	M35b	62472M35b	STWO	31	28	-3	10	4,694.765	3,567.125	-3.65	9.7
5382,41242	3389,493172		62480M35b	EGWO	37	5382,41242	3994,225945		21	M	M35b	62480M35b	EGWO	39	38	-1	-2	4,694.765	3,567.125	-1.55	-1.7
4444,122752	3494,720688		62499N61b	STWO	30	4444,122752	3411,06956		126	N	N61b	62499N61b	STWO	23	22	-1	7	4,694.765	3,567.125	-1.55	5.9
5229,66404	2830,198261		62502N65d	EGWO	44	5229,66404	2826,140648		50	N	N65d	62502N65d	EGWO	43	45	2	1	4,694.765	2,722.199	2.65	2.1
5442,944281	3054,486722		62510N65d	EGWO	42	5442,944281	2911,985638		15	N	N65d	62510N65d	EGWO	42	44	2	0	4,694.765	3,144.662	2.65	-1.7
5145,591508	3005,188574		62529N65d	EGWO	39	5145,591508	2965,296268		14	N	N65d	62529N65d	EGWO	40	42	2	-1	4,694.765	3,144.662	2.65	-1.7
4984,054534	3015,02047		62537N65d	EGWO	39	4984,054534	2796,658293		27	N	N65d	62537N65d	EGWO	38	41	3	1	4,694.765	3,144.662	2.65	2.1
4901,602295	2926,784686		62545N65d	EGWO	39	4901,602295	2825,689132		28	N	N65d	62545N65d	EGWO	38	40	2	1	4,694.765	2,722.199	2.65	2.1
5022,244172	2980,193173		62553N65d	EGWO	39	5022,244172	2831,643278		28	N	N65d	62553N65d	EGWO	38	41	3	1	4,694.765	3,144.662	2.65	2.1
4901,272183	2952,345368		62561N65d	EGWO	39	4901,272183	2807,132198		29	N	N65d	62561N65d	EGWO	38	40	2	1	4,694.765	3,144.662	2.65	2.1
4942,280226	2955,806192		62588N65d	EGWO	39	4942,280226	2922,429467		34	N	N65d	62588N65d	EGWO	39	40	1	0	4,694.765	3,144.662	0.55	-1.7
4848,796618	2898,154934		62596N65d	EGWO	39	4848,796618	2908,101914		17	N	N65d	62596N65d	EGWO	38	40	2	1	4,694.765	2,722.199	2.65	2.1
5317,755323	3790,029525		62650M56h	STWO	30	5317,755323	3734,757729		564	M	M56h	62650M56h	STWO	32	29	-3	-2	4,694.765	3,989.588	-3.65	-1.7
3950,591304	2547,145822		62677F81d	EGWO	35	3950,591304	2460,374526		25	F	F81d	62677F81d	EGWO	33	36	3	2	4,694.765	2,722.199	2.65	2.1
4307,292788	3599,03359		62677F81d	STWO	14	4307,292788	3699,004813		48	F	F81d	62677F81d	STWO	15	15	0	-1	4,694.765	3,567.125	0.55	-1.7
4576,79355	2490,407295		62685M35b	EGWO	47	4576,79355	2266,366151		26	M	M35b	62685M35b	EGWO	48	46	-2	-1	4,694.765	2,299.736	-1.55	-1.7
5031,471112	3552,571218		62685M35b	STWO	46	5031,471112	2542,802047		31	M	M35b	62685M35b	STWO	33	30	-3	13	4,694.765	3,567.125	-3.65	13.5
4944,146501	3459,267541		62707M35b	STWO	41	4944,146501	2339,857866		2	M	M35b	62707M35b	STWO	31	28	-3	10	4,694.765	3,567.125	-3.65	9.7
5137,743863	3130,705543		62723M35b	EGWO	37	5137,743863	3787,21373		12	M	M35b	62723M35b	EGWO	40	39	-1	-3	4,694.765	3,144.662	-1.55	-1.7
4492,042239	2502,513815		62758M35b	EGWO	47	4492,042239	2261,01912		42	M	M35b	62758M35b	EGWO	46	44	-2	1	4,694.765	2,299.736	-1.55	2.1
5034,17095	3517,138918		62758M35b	STWO	41	5034,17095	2465,862167		2	M	M35b	62758M35b	STWO	31	28	-3	10	4,694.765	3,567.125	-3.65	9.7
4543,130088	2604,853405		62766M35b	EGWO	43	4543,130088	2578,480816		39	M	M35b	62766M35b	EGWO	45	43	-2	-2	4,694.765	2,722.199	-1.55	-1.7
5147,250167	3538,032832		62766M35b	STWO	41	5147,250167	2535,358842		4	M	M35b	62766M35b	STWO	31	28	-3	10	4,694.765	3,567.125	-3.65	9.7
5145,608759	2892,047741		62774M35b	EGWO	46	5145,608759	2676,673459		25	M	M35b	62774M35b	EGWO	46	44	-2	0	4,694.765	2,722.199	-1.55	-1.7
5846,49355	3842,84122		62774M35b	STWO	41	5846,49355	2957,468271		4	M	M35b	62774M35b	STWO	31	28	-3	10	6,277.225	3,989.588	-3.65	9.7
5302,56885	3251,532623		62782M35b	EGWO	38	5302,56885	3270,130386		5	M	M35b	62782M35b	EGWO	40	39	-1	-2	4,694.765	3,144.662	-1.55	-1.7
5525,274868	4246,672718		62782M35b	STWO	36	5525,274868	4128,865788		5	M	M35b	62782M35b	STWO	31	28	-3	5	6,277.225	4,412.051	-3.65	5.9
4255,599257	2597,014643		62790M35b	EGWO	41	4255,599257	2267,207782		11	M	M35b	62790M35b	EGWO	42	39	-3	-1	4,694.765	2,722.199	-3.65	-1.7
4792,932718	3021,776706		62812M35b	EGWO	42	4792,932718	3334,838548		3	M	M35b	62812M35b	EGWO	44	43	-1	-2	4,694.765	3,144.662	-1.55	-1.7
4541,666667			62820M35b	STWO	41	4541,666667	2261,96		1	M	M35b	62820M35b	STWO	31	28	-3	10	4,694.765		-3.65	9.7
5074,418605	3020,109172		62839M35b	EGWO	42	5074,418605	3366,494134		2	M	M35b	62839M35b	EGWO	44	43	-1	-2	4,694.765	3,144.662	-1.55	-1.7
5520,175004	3636,657067		62839M35b	STWO	46	5520,175004	2630,216805		19	M	M35b	62839M35b	STWO	36	33	-3	10	6,277.225	3,567.125	-3.65	9.7
5368,140359	3365,378562		62847M35b	EGWO	37	5368,140359	3628,834905		29	M	M35b	62847M35b	EGWO	39	38	-1	-2	4,694.765	3,567.125	-1.55	-1.7
5227,372908	2832,192345		62855M35b	EGWO	47	5227,372908	2753,147833		21	M	M35b	62855M35b	EGWO	47	46	-1	0	4,694.765	2,722.199	-1.55	-1.7
5311,338104	3125,377989		62863M35b	EGWO	37	5311,338104	3728,923692		27	M	M35b	62863M35b	EGWO	42	42	0	-5	4,694.765	3,144.662	0.55	-5.5
5433,616988	3231,298962		62871M35b	EGWO	44	5433,616988	3014,895601		14	M	M35b	62871M35b	EGWO	44	43	-1	0	4,694.765	3,144.662	-1.55	-1.7
4021,683769	3352,501702		62928M35b	STWO	36	4021,683769	3113,859855		28	M	M35b	62928M35b	STWO	26	23	-3	10	4,694.765	3,144.662	-3.65	9.7
7205,827999	4453,92402		63045A05a	STWO	39	7205,827999	4481,059619		31	A	A05a	63045A05a	STWO	41	38	-3	-2	7,859.686	4,412.051	-3.65	-1.7
6110,897984	3927,952721		63053A05a	STWO	38	6110,897984	3858,2236		3	A	A05a	63053A05a	STWO	44	41	-3	-6	6,277.225	3,989.588	-3.65	-5.5
7188,56719	4422,269542		63061A05a	STWO	48	7188,56719	3911,567669		9	A	A05a	63061A05a	STWO	44	41	-3	4	7,859.686	4,412.051	-3.65	2.1
7407,902046	4331,2431		63096K23d	STWO	46	7407,902046	3875,879949		40	K	K23d	63096K23d	STWO	44	41	-3	2	7,859.686	4,412.051	-3.65	2.1
7329,385998	4248,605935		63118K23d	EGWO	46	7329,385998	3733,970881		49	K	K23d	63118K23d	EGWO	43	42	-1	3	7,859.686	4,412.051	-1.55	2.1
7496,999833	4290,701762		63134K23d	EGWO	45	7496,999833	3858,451134		13	K	K23d	63134K23d	EGWO	45	43	-2	0	7,859.686	4,412.051	-1.55	-1.7
7721,947345	4400,783767		63142K23d	STWO	45	7721,947345	4388,626857		87	K	K23d	63142K23d	STWO	45	42	3	0	7,859.686	4,412.051	3.65	1.7
3655,507236	3829,525671		63150T92d	STWO	12	3655,507236	3623,884221		1005	T	T92d	63150T92d	STWO	5	7	2	7	3,112.304	3,989.588	2.65	5.9
5090,666667	2974,339776		63169N71c	EGWO	45	5090,666667	2560,387357		3	N	N71c	63169N71c	EGWO		42			4,694.765	3,144.662		
5709,593555	4009,485233		63169N71c	STWO	37	5709,593555	3544,389619		109	N	N71c	63169N71c	STWO	32	30	-2	5	6,277.225	3,989.588	-1.55	5.9
4605,042017	3416,567609		63169N71g	STWO	34	4605,042017	3077,13		2	N	N71g	63169N71g	STWO	28	27	-1	6	4,694.765	3,567.125	-1.55	5.9
4005,936455	2526,640999		63177F78d	EGWO	36	4005,936455	2332,75875		16	F	F78d	63177F78d	EGWO	33	36	3	3	4,694.765	2,722.199	2.65	2.1
4317,307692	2592,738806		63185F78d	EGWO	36	4317,307692	2398,700232		8	F	F78d	63185F78d	EGWO	33	36	3	3	4,694.765	2,722.199	2.65	2.1
3940,327201			63185F78d	STWO	20	3940,327201	3133,558529		57	F	F78d	63185F78d	STWO	14	16	2	6	4,694.765		2.65	5.9
5672,027329	3084,225953		63347M33b	EGWO	49	5672,027329	2599,886077		13	M	M33b	63347M33b	EGWO	47	46	-1	2	6,277.225	3,144.662	-1.55	2.1
5308,658358	3734,608961		63347M33b	STWO	39	5308,658358	2971,48985		6	M	M33b	63347M33b	STWO	34	30	-4	5	4,694.765	3,567.125	-3.65	5.9
6536,964393	3111,640327		63347M33e	EGWO	49	6536,964393	2773,137797		32	M	M33e	63347M33e	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5547,741935	3696,035359		63347M33e	STWO	35	5547,741935	2719,704782		6	M	M33e	63347M33e	STWO	36	33	-3	-1	6,277.225	3,567.125	-3.65	-1.7
3823,554998	3246,524208	[redacted]	63371T93d	STWO	12	3823,554998	2385,455404	[redacted]	5	T	T93d	63371T93d	STWO	6	12	6	6	3,112.304	3,144.662	6.85	5.9

6661,150515	4014,294608	[redacted]	63401A04a	STWO	42	6661,150515	3767,553889	[redacted]	33	A	A04a	63401A04a	STWO	41	38	-3	1	6,277.225	3,989.588	-3.65	2.1
6943,079159	4229,751507		63428A04a	STWO	46	6943,079159	3796,236513		83	A	A04a	63428A04a	STWO	42	39	-3	4	6,277.225	4,412.051	-3.65	2.1
5133,046307	2708,367226		63479M51b	EGWO	49	5133,046307	2413,709746		5	M	M51b	63479M51b	EGWO	47	46	-1	2	4,694.765	2,722.199	-1.55	2.1
4679,127932	3600,965747		63479M51b	STWO	28	4679,127932	3357,842025		49	M	M51b	63479M51b	STWO	25	23	-2	3	4,694.765	3,567.125	-1.55	2.1
5384,40668	2667,184329		63487M51b	EGWO	49	5384,40668	2541,728299		43	M	M51b	63487M51b	EGWO	47	48	1	2	4,694.765	2,722.199	0.55	2.1
4458,333333	3331,05445		63487M51b	STWO	30	4458,333333	2882,66		1	M	M51b	63487M51b	STWO	27	26	-1	3	4,694.765	3,144.662	-1.55	2.1
5332,384473	2727,239278		63495M51b	EGWO	46	5332,384473	2753,359528		95	M	M51b	63495M51b	EGWO	47	46	-1	-1	4,694.765	2,722.199	-1.55	-1.7
5061,86648	3559,299211		63495M51b	STWO	34	5061,86648	3343,414964		25	M	M51b	63495M51b	STWO	32	30	-2	2	4,694.765	3,567.125	-1.55	2.1
6143,055556	3225,169583		63509M51c	EGWO	47	6143,055556	3255,200353		8	M	M51c	63509M51c	EGWO	45	47	2	2	6,277.225	3,144.662	2.65	2.1
5372,930867	3918,274946		63509M51c	STWO	29	5372,930867	4078,836212		3	M	M51c	63509M51c	STWO	27	25	-2	2	4,694.765	3,989.588	-1.55	2.1
3066,018317	3880,614989		63517M51c	STWO	29	3066,018317	3488,791689		412	M	M51c	63517M51c	STWO	27	25	-2	2	3,112.304	3,989.588	-1.55	2.1
4672,315055	3415,627333		63525M51c	STWO	34	4672,315055	3077,696016		19	M	M51c	63525M51c	STWO	29	27	-2	5	4,694.765	3,567.125	-1.55	5.9
4924,369748	2667,879009		63533M51b	EGWO	49	4924,369748	2335,08		18	M	M51b	63533M51b	EGWO	45	46	1	4	4,694.765	2,722.199	0.55	2.1
4890,607907	3527,637025		63533M51b	STWO	35	4890,607907	3195,226262		12	M	M51b	63533M51b	STWO	30	28	-2	5	4,694.765	3,567.125	-1.55	5.9
4906,880791	3590,333408		63568M51c	STWO	29	4906,880791	3460,903185		62	M	M51c	63568M51c	STWO	30	27	-3	-1	4,694.765	3,567.125	-3.65	-1.7
4589,470488	2623,913634		63584M51b	EGWO	48	4589,470488	2306,298231		61	M	M51b	63584M51b	EGWO	44	43	-1	4	4,694.765	2,722.199	-1.55	2.1
4966,234867	3637,019418		63584M51b	STWO	27	4966,234867	3618,465114		146	M	M51b	63584M51b	STWO	27	27	0	0	4,694.765	3,567.125	0.55	-1.7
4852,777778	2653,726431		63584M51c	EGWO	48	4852,777778	2327,28		6	M	M51c	63584M51c	EGWO	47	45	-2	1	4,694.765	2,722.199	-1.55	2.1
4702,094687	3599,020139		63584M51c	STWO	25	4702,094687	3552,781945		35	M	M51c	63584M51c	STWO	25	24	-1	0	4,694.765	3,567.125	-1.55	-1.7
5127,45098	2762,907681		63592M51c	EGWO	48	5127,45098	2529,518436		1	M	M51c	63592M51c	EGWO	46	45	-1	2	4,694.765	2,722.199	-1.55	2.1
4613,209439	3504,308677		63592M51c	STWO	27	4613,209439	3335,339767		129	M	M51c	63592M51c	STWO	26	24	-2	1	4,694.765	3,567.125	-1.55	2.1
5160,405836	2722,959589		63614M51b	EGWO	49	5160,405836	2483,968147		208	M	M51b	63614M51b	EGWO	47	47	0	2	4,694.765	2,722.199	0.55	2.1
4720,734151	3645,423158		63614M51b	STWO	29	4720,734151	3310,532755		50	M	M51b	63614M51b	STWO	27	26	-1	2	4,694.765	3,567.125	-1.55	2.1
4797,104609	2689,688547		63622M51b	EGWO	49	4797,104609	2450,814226		14	M	M51b	63622M51b	EGWO	46	44	-2	3	4,694.765	2,722.199	-1.55	2.1
4805,81853	2582,375119		63630M51b	EGWO	49	4805,81853	2251,735		2	M	M51b	63630M51b	EGWO	47	46	-1	2	4,694.765	2,722.199	-1.55	2.1
5043,821173	3625,364892		63630M51b	STWO	35	5043,821173	2664,052773		20	M	M51b	63630M51b	STWO	31	28	-3	4	4,694.765	3,567.125	-3.65	2.1
4905,928267	2672,932043		63657M51b	EGWO	49	4905,928267	2278,220842		76	M	M51b	63657M51b	EGWO	47	45	-2	2	4,694.765	2,722.199	-1.55	2.1
4648,345641	3514,213874		63657M51b	STWO	28	4648,345641	3371,071086		186	M	M51b	63657M51b	STWO	28	25	-3	0	4,694.765	3,567.125	-3.65	-1.7
5483,212973	2805,290742		63665M51b	EGWO	49	5483,212973	2600,999239		16	M	M51b	63665M51b	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
5258,49968	2792,775833		63673M51b	EGWO	49	5258,49968	2557,208421		16	M	M51b	63673M51b	EGWO	48	47	-1	1	4,694.765	2,722.199	-1.55	2.1
4752,570112	3572,498215		63673M51b	STWO	26	4752,570112	3467,361172		11	M	M51b	63673M51b	STWO	27	25	-2	-1	4,694.765	3,567.125	-1.55	-1.7
4917,821108	2717,405752		63681M51b	EGWO	49	4917,821108	2400,372844		32	M	M51b	63681M51b	EGWO	47	45	-2	2	4,694.765	2,722.199	-1.55	2.1
4864,843923	3666,168243		63681M51b	STWO	27	4864,843923	3516,395388		94	M	M51b	63681M51b	STWO	25	25	0	2	4,694.765	3,567.125	0.55	2.1
4784,241804	2684,488161		63703M51b	EGWO	48	4784,241804	2212,367217		19	M	M51b	63703M51b	EGWO	45	44	-1	3	4,694.765	2,722.199	-1.55	2.1
5754,822807	2919,582276		63711M51b	EGWO	49	5754,822807	2824,90133		15	M	M51b	63711M51b	EGWO	47	49	2	2	6,277.225	2,722.199	2.65	2.1
5275,44157	2961,055197		63738M51b	EGWO	46	5275,44157	2921,673122		9	M	M51b	63738M51b	EGWO	47	44	-3	-1	4,694.765	3,144.662	-3.65	-1.7
4810,818898	2672,502649		63746M51b	EGWO	49	4810,818898	2326,086751		49	M	M51b	63746M51b	EGWO	46	44	-2	3	4,694.765	2,722.199	-1.55	2.1
5281,459546	3108,477969		63754M35a	EGWO	43	5281,459546	3043,459397		18	M	M35a	63754M35a	EGWO	46	41	-5	-3	4,694.765	3,144.662	-5.75	-1.7
4662,755721	3452,782826		63770M35a	STWO	29	4662,755721	3305,01069		21	M	M35a	63770M35a	STWO	26	26	0	3	4,694.765	3,567.125	0.55	2.1
5282,982999	2739,966085		63789M35a	EGWO	49	5282,982999	2503,676708		13	M	M35a	63789M35a	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
5111,400463	2810,779508		63800M35a	EGWO	48	5111,400463	2546,408917		4	M	M35a	63800M35a	EGWO	48	46	-2	0	4,694.765	2,722.199	-1.55	-1.7
5026,92219	3598,781608		63800M35a	STWO	36	5026,92219	3175,517031		22	M	M35a	63800M35a	STWO	30	28	-2	6	4,694.765	3,567.125	-1.55	5.9
4998,029911	2665,054931		63819M35a	EGWO	49	4998,029911	2386,751204		12	M	M35a	63819M35a	EGWO	48	47	-1	1	4,694.765	2,722.199	-1.55	2.1
4816,610676	3654,099381		63819M35a	STWO	26	4816,610676	3687,874997		22	M	M35a	63819M35a	STWO	26	24	-2	0	4,694.765	3,567.125	-1.55	-1.7
5247,606347	2863,523176		63827M35a	EGWO	47	5247,606347	2751,722934		12	M	M35a	63827M35a	EGWO	47	45	-2	0	4,694.765	2,722.199	-1.55	-1.7
4919,393701	3645,358188		63827M35a	STWO	33	4919,393701	3299,360911		46	M	M35a	63827M35a	STWO	28	25	-3	5	4,694.765	3,567.125	-3.65	5.9
5234,470602	2839,998611		63835M35a	EGWO	48	5234,470602	2712,719948		13	M	M35a	63835M35a	EGWO	48	47	-1	0	4,694.765	2,722.199	-1.55	-1.7
5211,753136	3683,486562		63835M35a	STWO	27	5211,753136	3828,149553		65	M	M35a	63835M35a	STWO	28	27	-1	-1	4,694.765	3,567.125	-1.55	-1.7
4608,294151	2651,172173		63843M35a	EGWO	48	4608,294151	2339,691415		3	M	M35a	63843M35a	EGWO	48	46	-2	0	4,694.765	2,722.199	-1.55	-1.7
5020,621559	3539,849502		63843M35a	STWO	36	5020,621559	2447,062073		22	M	M35a	63843M35a	STWO	28	29	1	8	4,694.765	3,567.125	0.55	9.7
5511,023985	2773,272692		63851M35a	EGWO	49	5511,023985	2520,97789		48	M	M35a	63851M35a	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
4305,216117	3308,52888		63851M35a	STWO	31	4305,216117	2782,550413		5	M	M35a	63851M35a	STWO	28	27	-1	3	4,694.765	3,144.662	-1.55	2.1
6149,092481	3866,928413		63878K23e	STWO		6149,092481	3494,7389		801	K	K23e	63878K23e	STWO					6,277.225	3,989.588		
5894,810027	3837,263822		63886K23e	STWO	39	5894,810027	3365,218095		80	K	K23e	63886K23e	STWO	38	35	-3	1	6,277.225	3,989.588	-3.65	2.1
3754,708112	2561,544675		63932T94a	EGWO	27	3754,708112	2754,810053		50	T	T94a	63932T94a	EGWO	27	32	5	0	3,112.304	2,722.199	4.75	-1.7
3420,634921	2728,027101		63940T94a	EGWO	32	3420,634921	2656,76727		2	T	T94a	63940T94a	EGWO	27	32	5	5	3,112.304	2,722.199	4.75	5.9
3352,309345	2338,966833		63959T94a	EGWO	33	3352,309345	2253,276036		7	T	T94a	63959T94a	EGWO	25	30	5	8	3,112.304	2,299.736	4.75	9.7
3395,007667	2360,357968		63967T94a	EGWO	32	3395,007667	2296,667672		19	T	T94a	63967T94a	EGWO	26	30	4	6	3,112.304	2,299.736	4.75	5.9
3394,219752	2406,482993		63975T94a	EGWO	31	3394,219752	2343,062145		24	T	T94a	63975T94a	EGWO	24	29	5	7	3,112.304	2,299.736	4.75	5.9
3681,067597	2482,022453		63983T94a	EGWO	31	3681,067597	2521,306568		21	T	T94a	63983T94a	EGWO	28	32	4	3	3,112.304	2,299.736	4.75	2.1
3388,157895	2363,963127		63991T94a	EGWO	33	3388,157895	2282,380079		16	T	T94a	63991T94a	EGWO	25	30	5	8	3,112.304	2,299.736	4.75	9.7
3715,365271	2737,220434		64009T94a	EGWO	32	3715,365271	2772,15662		4	T	T94a	64009T94a	EGWO	27	32	5	5	3,112.304	2,722.199	4.75	5.9
3388,586377	2335,958389		64017T94a	EGWO	34	3388,586377	2249,787595		16	T	T94a	64017T94a	EGWO	27	31	4	7	3,112.304	2,299.736	4.75	5.9
3720,640142	2495,898318		64025T94a	EGWO	31	3720,640142	2549,261573		9	T	T94a	64025T94a	EGWO	28	33	5	3	3,112.304	2,299.736	4.75	2.1
3728,990142	2450,753602		64033T94a	EGWO	33	3728,990142	2499,752971		63	T	T94a	64033T94a	EGWO	30	34	4	3	3,112.304	2,299.736	4.75	2.1
3465,927516	2399,184127		64041T94a	EGWO	32	3465,927516	2349,458658		47	T	T94a	64041T94a	EGWO	25	31	6	7	3,112.304	2,299.736	6.85	5.9
3396,027707	2344,998497		64076T94a	EGWO	33	3396,027707	2269,11324		8	T	T94a	64076T94a	EGWO	26	31	5	7	3,112.304	2,299.736	4.75	5.9
4141,585841	2550,402022		64106F82d	EGWO	43	4141,585841	2348,864353		27	F	F82d	64106F82d	EGWO	34	38	4	9	4,694.765	2,722.199	4.75	9.7
4008,196721	3262,142505		64106F82d	STWO	18	4008,196721	2578,725137		1	F	F82d	64106F82d	STWO	17	16	-1	1	4,694.765	3,144.662	-1.55	2.1
4100,604862	2487,898025		64114F82d	EGWO	44	4100,604862	2270,174003		54	F	F82d	64114F82d	EGWO	35	39	4	9	4,694.765	2,299.736	4.75	9.7
3882,026637	3132,189838		64114F82d	STWO	23	3882,026637	2926,294008		278	F	F82d	64114F82d	STWO	20	20	0	3	3,112.304	3,144.662	0.55	2.1
4355,43564	2608,687662		64122N68d	EGWO	46	4355,43564	2374,857202		19	N	N68d	64122N68d	EGWO	39	40	1	7	4,694.765	2,722.199	0.55	5.9
4654,296621	2771,43742		64130N68d	EGWO	44	4654,296621	2615,017579		8	N	N68d	64130N68d	EGWO	36	40	4	8	4,694.765	2,722.199	4.75	9.7
4686,612048	2703,942459		64149N68d	EGWO	45	4686,612048	2558,681579		12	N	N68d	64149N68d	EGWO	41	42	1	4	4,694.765	2,722.199	0.55	2.1
6506,766889	4221,058382		64203E39b	STWO	40	6506,766889	3941,705312		173	E	E39b	64203E39b	STWO	26	33	7	14	6,277.225	4,412.051	6.85	13.5
4881,55998	3607,723118		64211E39b	STWO	35	4881,55998	3086,683676		40	E	E39b	64211E39b	STWO	26	28	2	9	4,694.765	3,567.125	2.65	9.7
4715,608878	2633,423447		64238E39b	EGWO	49	4737,249234	2338,7125		20	E	E39b	64238E39b	EGWO	42	44	2	7	4,694.765	2,722.199	2.65	5.9
4688,267702	2642,578912		64246E39b	EGWO	49	4759,585765	2322,351429		14	E	E39b	64246E39b	EGWO	42	44	2	7	4,694.765	2,722.199	2.65	5.9
5021,966202	2676,645863		64254E39b	EGWO	49	5043,39047	2338,635542		37	E	E39b	64254E39b	EGWO	44	47	3	5	4,694.765	2,722.199	2.65	5.9
5760,901704	2774,453808		64262E39b	EGWO	49	5760,901704	2531,659598		4	E	E39b	64262E39b	EGWO	45	48	3	4	6,277.225	2,722.199	2.65	2.1
5271,477727	2733,8556		64270E39b	EGWO	49	5278,573221	2433,459086		44	E	E39b	64270E39b	EGWO	47	48	1	2	4,694.765	2,722.199	0.55	2.1
4864,853067	3673,560973		64270E39b	STWO	35	4864,853067	3269,674112		241	E	E39b	64270E39b	STWO	26	28	2	9	4,694.765	3,567.125	2.65	9.7
3582,341013	2615,576434		64319T94i	EGWO	26	3582,341013	2681,834065		38	T	T94i	64319T94i	EGWO	25	27	2	1	3,112.304	2,722.199	2.65	2.1
3336,834724	2364,813898		64327T94i	EGWO	29	3336,834724	2357,599605		20	T	T94i	64327T94i	EGWO	24	28	4	5	3,112.304	2,299.736	4.75	5.9
3927,656807	3326,353536		64327T94i	STWO	12	3927,656807	3421,908157		33	T	T94i	64327T94i	STWO	14	15	1	-2	4,694.765	3,144.662	0.55	-1.7
3517,173749	2741,872652		64335T94i	EGWO	23	3517,173749	2782,39411		1	T	T94i	64335T94i	EGWO	25	23	-2	-2	3,112.304	2,722.199	-1.55	-1.7
3756,101518	3192,815305		64335T94i	STWO	11	3756,101518	3330,775063		105	T	T94i	64335T94i	STWO	7	13	6	4	3,112.304	3,144.662	6.85	2.1
3454,644302	2351,056116		64343T94i	EGWO	33	3454,644302	2326,911683		9	T	T94i	64343T94i	EGWO	30	32	2	3	3,112.304	2,299.736	2.65	2.1
3562,069922	2483,925646		64351T94i	EGWO	29	3562,069922	2531,525936		6	T	T94i	64351T94i	EGWO	23	30	7	6	3,112.304	2,299.736	6.85	5.9
3411,831562	2343,143165		64378T94i	EGWO	31	3411,831562	2313,411299		14	T	T94i	64378T94i	EGWO	30	30	0	1	3,112.304	2,299.736	0.55	2.1
4023,40207	2442,624457		64386F81b	EGWO	45	4023,40207	2153,160765		15	F	F81b	64386F81b	EGWO	36	40	4	9	4,694.765	2,299.736	4.75	9.7
3768,863379	3238,663065		64386F81b	STWO	22	3768,863379	2235,471429		14	F	F81b	64386F81b	STWO	18	14	-4	4	3,112.304	3,144.662	-3.65	2.1
3707,235286	2310,420261		64394F81b	EGWO	39	3707,235286	2257,851667		6	F	F81b	64394F81b	EGWO	36	38	2	3	3,112.304	2,299.736	2.65	2.1
4040,61867	3313,919389		64394F81b	STWO	22	4040,61867	2336,111573		24	F	F81b	64394F81b	STWO	18	17	-1	4	4,694.765	3,144.662	-1.55	2.1
4501,840813	2684,987504		64408F86a	EGWO	46	4501,840813	2418,668237		8	F	F86a	64408F86a	EGWO	37	40	3	9	4,694.765	2,722.199	2.65	9.7
4886,901233	2819,546348		64416F78c	EGWO	41	4886,901233	2891,265938		23	F	F78c	64416F78c	EGWO	36	42	6	5	4,694.765	2,722.199	6.85	5.9
4048,156799	3468,68953		64416F78c	STWO	16	4048,156799	3371,317068		59	F	F78c	64416F78c	STWO	13	13	0	3	4,694.765	3,567.125	0.55	2.1
6839,210826	4002,79445		64459F87b	STWO	46	6839,210826	3672,995362		146	F	F87b	64459F87b	STWO	44	41	-3	2	6,277.225	3,989.588	-3.65	2.1
6053,099875	3882,034757		64467F87b	STWO	39	6053,099875	3781,629738		51	F	F87b	64467F87b	STWO	37	36	-1	2	6,277.225	3,989.588	-1.55	2.1
6476,121098	3916,392573		64475F87b	STWO	45	6476,121098	3570,312169		149	F	F87b	64475F87b	STWO	43	39	-4	2	6,277.225	3,989.588	-3.65	2.1
5202,678571	2710,191817		64483M51b	EGWO	49	5202,678571	2473,300155		10	M	M51b	64483M51b	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
4990,404415	2613,488518		64491M35f	EGWO	49	4990,404415	2286,984756		9	M	M35f	64491M35f	EGWO	49	48	-1	0	4,694.765	2,722.199	-1.55	-1.7
4787,15526	3511,583006		64491M35f	STWO	26	4787,15526	2508,300693		2	M	M35f	64491M35f	STWO	25	22	3	1	4,694.765	3,567.125	3.65	2.1
5307,367395	2805,968319		64505M51b	EGWO	49	5307,367395	2593,307036		11	M	M51b	64505M51b	EGWO	46	48	2	3	4,694.765	2,722.199	2.65	2.1
4673,262901	3422,304216		64505M51b	STWO	30	4673,262901	2348,530933		2	M	M51b	64505M51b	STWO	27	26	-1	3	4,694.765	3,567.125	-1.55	2.1
5106,734576	2729,487113		64513M51b	EGWO	49	5106,734576	2346,863446		74	M	M51b	64513M51b	EGWO	48	47	-1	1	4,694.765	2,722.199	-1.55	2.1
4622,338912	3512,651462		64513M51b	STWO	29	4622,338912	3338,183198		82	M	M51b	64513M51b	STWO	25	25	0	4	4,694.765	3,567.125	0.55	2.1
4886,886938	4146,428407		64521N71f	STWO	23	4886,886938	3771,365802		622	N	N71f	64521N71f	STWO	19	15	-4	4	4,694.765	3,989.588	-3.65	2.1
4681,724696	3639,331248		64564F86a	STWO	31	4681,724696	3200,84898		46	F	F86a	64564F86a	STWO	24	24	0	7	4,694.765	3,567.125	0.55	5.9
4378,135025	2593,175945		64572F86a	EGWO	47	4378,135025	2330,856667		15	F	F86a	64572F86a	EGWO	40	41	1	7	4,694.765	2,722.199	0.55	5.9
4153,846154	3287,72503		64572F86a	STWO	26	4153,846154	2217,36		1	F	F86a	64572F86a	STWO	19	20	1	7	4,694.765	3,144.662	0.55	5.9
4034,034019	2511,501315		64580F81d	EGWO	38	4034,034019	2255,900714		14	F	F81d	64580F81d	EGWO	36	38	2	2	4,694.765	2,722.199	2.65	2.1
3847,294951	2437,636257		64599F81d	EGWO	38	3847,294951	2240,229231		13	F	F81d	64599F81d	EGWO	34	37	3	4	3,112.304	2,299.736	2.65	2.1
4667,665518	3571,718894		64661N69j	STWO	21	4667,665518	3679,573116		35	N	N69j	64661N69j	STWO	27	23	-4	-6	4,694.765	3,567.125	-3.65	-5.5
4978,825178	2696,196103		64696N65d	EGWO	49	4978,825178	2321,817642		37	N	N65d	64696N65d	EGWO	44	46	2	5	4,694.765	2,722.199	2.65	5.9

5145,288826	2815,829886	[redacted]	64718N65d	EGWO	49	5145,288826	2532,230052	[redacted]	10	N	N65d	64718N65d	EGWO	43	45	2	6	4,694.765	2,722.199	2.65	5.9		
5258,085889	2974,997839		64726N65d	EGWO	47	5258,085889	2803,788231		6	N	N65d	64726N65d	EGWO	41	43	2	6	4,694.765	3,144.662	2.65	5.9		
5155,124064	2759,601825		64734N65d	EGWO	49	5155,124064	2567,487136		22	N	N65d	64734N65d	EGWO	45	46	1	4	4,694.765	2,722.199	0.55	2.1		
4922,619048	2937,627841		64742F78c	EGWO	38	4922,619048	3060,697937		7	F	F78c	64742F78c	EGWO	31	40	9	7	4,694.765	3,144.662	8.95	5.9		
3870,647324	3441,749102		64742F78c	STWO	16	3870,647324	3229,177507		94	F	F78c	64742F78c	STWO	16	12	-4	0	3,112.304	3,567.125	-3.65	-1.7		
4386,608113	2655,405737		64769F83a	EGWO	36	4386,608113	2758,607252		7	F	F83a	64769F83a	EGWO	34	37	3	2	4,694.765	2,722.199	2.65	2.1		
7158,775041	4409,736983		64777K52h	STWO	44	7158,775041	3980,224123		50	K	K52h	64777K52h	STWO	40	38	-2	4	7,859.686	4,412.051	-1.55	2.1		
4136,070481	2491,020763		64793F78b	EGWO	38	4136,070481	2291,303012		11	F	F78b	64793F78b	EGWO	34	38	4	4	4,694.765	2,299.736	4.75	2.1		
4960,526316	3491,019571		64793F78b	STWO	34	4960,526316	2588,546046		1	F	F78b	64793F78b	STWO	20	19	-1	14	4,694.765	3,567.125	-1.55	13.5		
4356,48513	2636,955709		64831N70a	EGWO	45	4356,48513	2397,679375		32	N	N70a	64831N70a	EGWO	39	39	0	6	4,694.765	2,722.199	0.55	5.9		
4427,350427	2714,727415		64858N70a	EGWO	44	4427,350427	2463,98		12	N	N70a	64858N70a	EGWO	37	39	2	7	4,694.765	2,722.199	2.65	5.9		
3429,759694	2388,827336		64874T94a	EGWO	32	3429,759694	2324,113743		11	T	T94a	64874T94a	EGWO	25	30	5	7	3,112.304	2,299.736	4.75	5.9		
3379,262018	3364,783597		64912T94f	STWO	7	3379,262018	3145,732374		101	T	T94f	64912T94f	STWO	5	5	0	2	3,112.304	3,567.125	0.55	2.1		
4982,146223	2782,084019		64939N74c	EGWO	49	4982,146223	2494,725805		34	N	N74c	64939N74c	EGWO	40	44	4	9	4,694.765	2,722.199	4.75	9.7		
4971,119779	2767,49023		64947N74c	EGWO	47	4971,119779	2639,897182		24	N	N74c	64947N74c	EGWO	39	44	5	8	4,694.765	2,722.199	4.75	9.7		
4606,556917	2562,812709		64955N74c	EGWO	49	4606,556917	2297,209781		19	N	N74c	64955N74c	EGWO	40	44	4	9	4,694.765	2,722.199	4.75	9.7		
4977,43323	3782,048544		64955N74c	STWO	29	4977,43323	3631,046887		61	N	N74c	64955N74c	STWO	23	24	1	6	4,694.765	3,989.588	0.55	5.9		
4593,946072	2735,319936		64963N74c	EGWO	46	4593,946072	2499,810978		10	N	N74c	64963N74c	EGWO	36	40	4	10	4,694.765	2,722.199	4.75	9.7		
4236,449218	3263,80568		64963N74c	STWO	30	4236,449218	2945,865988		24	N	N74c	64963N74c	STWO	26	23	-3	4	4,694.765	3,144.662	-3.65	2.1		
5190,048885	2787,407746		64998N74c	EGWO	49	5190,048885	2615,167084		47	N	N74c	64998N74c	EGWO	42	46	4	7	4,694.765	2,722.199	4.75	5.9		
6033,333333	4323,844507		64998N74c	STWO	30	6033,333333	4613,207754		1	N	N74c	64998N74c	STWO	21	23	2	9	6,277.225	4,412.051	2.65	9.7		
5252,985176	2835,92775		65005N74c	EGWO	49	5252,985176	2694,754086		29	N	N74c	65005N74c	EGWO	41	46	5	8	4,694.765	2,722.199	4.75	9.7		
4331,395349	3328,88745		65005N74c	STWO	31	4331,395349	2977,620741		64	N	N74c	65005N74c	STWO	18	23	5	13	4,694.765	3,144.662	4.75	13.5		
4393,22367	2516,626958		65013N74c	EGWO	49	4393,22367	2199,220381		60	N	N74c	65013N74c	EGWO	40	43	3	9	4,694.765	2,722.199	2.65	9.7		
4233,565763	2445,028806		65021N74c	EGWO	48	4233,565763	2210,399811		53	N	N74c	65021N74c	EGWO	41	42	1	7	4,694.765	2,299.736	0.55	5.9		
5220,477349	2797,324167		65048N65d	EGWO	49	5220,477349	2666,50115		13	N	N65d	65048N65d	EGWO	43	46	3	6	4,694.765	2,722.199	2.65	5.9		
5183,667658	2765,86683		65056N65d	EGWO	49	5183,667658	2607,459219		23	N	N65d	65056N65d	EGWO	44	47	3	5	4,694.765	2,722.199	2.65	5.9		
4692,307692	3662,29755		65056N65d	STWO	21	4692,307692	3700,727178		1	N	N65d	65056N65d	STWO		26			4,694.765	3,567.125				
5214,882951	2792,205414		65064N65d	EGWO	49	5214,882951	2615,709506		21	N	N65d	65064N65d	EGWO	44	46	2	5	4,694.765	2,722.199	2.65	5.9		
5353,938124	2858,357684		65072N65d	EGWO	44	5353,938124	2663,404806		3	N	N65d	65072N65d	EGWO	42	44	2	2	4,694.765	2,722.199	2.65	2.1		
5338,491808	2841,109793		65080N65d	EGWO	48	5338,491808	2754,032829		9	N	N65d	65080N65d	EGWO	46	47	1	2	4,694.765	2,722.199	0.55	2.1		
4570,700195	2623,661593		65188F81c	EGWO	44	4570,700195	2329,634428		24	F	F81c	65188F81c	EGWO	37	42	5	7	4,694.765	2,722.199	4.75	5.9		
4443,312909	3948,506441		65188F81c	STWO	16	4443,312909	3733,120443		509	F	F81c	65188F81c	STWO	17	12	-5	-1	4,694.765	3,989.588	-5.75	-1.7		
6408,456584	2930,993264		65196M29c	EGWO	49	6408,456584	2468,392066		17	M	M29c	65196M29c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7		
6441,941956	3867,808259		65196M29c	STWO	41	6441,941956	3874,646794		82	M	M29c	65196M29c	STWO	42	38	-4	-1	6,277.225	3,989.588	-3.65	-1.7		
6650,126513	2891,198313		65218M29c	EGWO	49	6650,126513	2445,938932		12	M	M29c	65218M29c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7		
6679,332703	4165,969723		65226M29c	STWO	47	6679,332703	3473,686127		5	M	M29c	65226M29c	STWO	40	38	-2	7	6,277.225	3,989.588	-1.55	5.9		
7247,965351	4283,720345		65269M29c	STWO	47	7247,965351	3592,405606		16	M	M29c	65269M29c	STWO	42	41	-1	5	7,859.686	4,412.051	-1.55	5.9		
5888,910132	2762,63313		65285M29c	EGWO	49	5888,910132	2389,2962		8	M	M29c	65285M29c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7		
6652,96014	4050,271968		65285M29c	STWO	40	6652,96014	4010,654392		73	M	M29c	65285M29c	STWO	39	38	-1	1	6,277.225	3,989.588	-1.55	2.1		
5865,385949	3828,551543		65293M29c	STWO	37	5865,385949	3649,933447		36	M	M29c	65293M29c	STWO	38	34	-4	-1	6,277.225	3,989.588	-3.65	-1.7		
6287,764422	3977,381662		65307E75c	STWO	44	6287,764422	3450,681663		74	E	E75c	65307E75c	STWO	35	37	2	9	6,277.225	3,989.588	2.65	9.7		
6436,449149	3931,299171		65323E12a	STWO	46	6436,449149	3446,266479		94	E	E12a	65323E12a	STWO	42	39	-3	4	6,277.225	3,989.588	-3.65	2.1		
5245,34553	2790,796044		65374N65d	EGWO	49	5245,34553	2558,91513		22	N	N65d	65374N65d	EGWO	44	47	3	5	4,694.765	2,722.199	2.65	5.9		
5259,975949	2812,708114		65382N65d	EGWO	49	5259,975949	2584,858133		26	N	N65d	65382N65d	EGWO	44	47	3	5	4,694.765	2,722.199	2.65	5.9		
4740,963569	2580,556771		65390F78c	EGWO	47	4740,963569	2504,571933		19	F	F78c	65390F78c	EGWO	38	45	7	9	4,694.765	2,722.199	6.85	9.7		
6039,388796	3983,07292		65439N71h	STWO	39	6039,388796	3839,80042		361	N	N71h	65439N71h	STWO	40	36	-4	-1	6,277.225	3,989.588	-3.65	-1.7		
5844,322165	3953,146691		65447N71h	STWO	35	5844,322165	3796,142319		148	N	N71h	65447N71h	STWO	40	32	-8	-5	6,277.225	3,989.588	-7.85	-5.5		
6155,389959	3980,29222		65528N71h	STWO	40	6155,389959	3588,620501		133	N	N71h	65528N71h	STWO	42	37	-5	-2	6,277.225	3,989.588	-5.75	-1.7		
6732,62231	3913,24823		65536N71h	STWO	45	6732,62231	3414,858799		139	N	N71h	65536N71h	STWO	43	40	-3	2	6,277.225	3,989.588	-3.65	2.1		
5510,621971	4033,933794		65544N71h	EGWO	40	5510,621971	3810,071875		351	N	N71h	65544N71h	EGWO	39	35	-4	1	6,277.225	3,989.588	-3.65	2.1		
5102,257421	2709,102154		65609F77b	EGWO	49	5102,257421	2481,706885		10	F	F77b	65609F77b	EGWO	44	47	3	5	4,694.765	2,722.199	2.65	5.9		
4750,874506	3532,480912		65609F77e	STWO	30	4750,874506	3316,664437		34	F	F77e	65609F77e	STWO		27			4,694.765	3,567.125				
5096,786906	2858,023114		65617F77b	EGWO	47	5096,786906	2679,71242		4	F	F77b	65617F77b	EGWO	43	45	2	4	4,694.765	2,722.199	2.65	2.1		
5519,161927	2947,685686		65625F77b	EGWO	48	5519,161927	2900,780111		50	F	F77b	65625F77b	EGWO	43	47	4	5	6,277.225	3,144.662	4.75	5.9		
5253,457061	2880,993889		65641F77b	EGWO	47	5253,457061	2774,063919		10	F	F77b	65641F77b	EGWO	41	45	4	6	4,694.765	2,722.199	4.75	5.9		
3707,554497	2481,165172		65692T94g	EGWO	34	3707,554497	2472,49603		23	T	T94g	65692T94g	EGWO	30	33	3	4	3,112.304	2,299.736	2.65	2.1		
3763,327913	2526,173224		65706T94g	EGWO	33	3763,327913	2531,576562		33	T	T94g	65706T94g	EGWO	29	33	4	4	3,112.304	2,722.199	4.75	2.1		
3912,750899	3326,213369		65706T94g	EGWO	12	3912,750899	3410,965586		26	T	T94g	65706T94g	STWO	5	15	10	7	4,694.765	3,144.662	8.95	5.9		
3852,812579	2610,993019		65714T94g	EGWO	31	3852,812579	2643,605294		29	T	T94g	65714T94g	EGWO	28	32	4	3	3,112.304	2,722.199	4.75	2.1		
3552,384267	3217,249367		65714T94g	STWO	8	3552,384267	3262,352149		26	T	T94g	65714T94g	STWO	5	9	4	3	3,112.304	3,144.662	4.75	2.1		
3800,724193	2888,294009		65722T94g	EGWO	24	3800,724193	2990,213761		41	T	T94g	65722T94g	EGWO	20	24	4	4	3,112.304	2,722.199	4.75	2.1		
3596,006653	2399,156544		65730T94g	EGWO	34	3596,006653	2382,594165		24	T	T94g	65730T94g	EGWO	30	33	3	4	3,112.304	2,299.736	2.65	2.1		
3820,188816			65749T94g	EGWO	29	3820,188816			3	T	T94g	65749T94g	EGWO	25	28	3	4	3,112.304		2.65	2.1		
3245,414255	2287,147257		65757T94g	EGWO	28	3245,414255	2227,266838		32	T	T94g	65757T94g	EGWO	25	26	1	3	3,112.304	2,299.736	0.55	2.1		
3329,990766	2360,798876		65765T94g	EGWO	29	3329,990766	2322,495144		39	T	T94g	65765T94g	EGWO	23	27	4	6	3,112.304	2,299.736	4.75	5.9		
3439,082183	2447,030963		65773T94g	EGWO	28	3439,082183	2411,768398		39	T	T94g	65773T94g	EGWO	24	27	3	4	3,112.304	2,299.736	2.65	2.1		
3206,944767	2330,340802		65781T94g	EGWO	26	3207,25397	2301,442262		45	T	T94g	65781T94g	EGWO	24	25	1	2	3,112.304	2,299.736	0.55	2.1		
4253,816159	2610,327764		65803F82a	EGWO	41	4253,816159	2484,415973		14	F	F82a	65803F82a	EGWO	35	39	4	6	4,694.765	2,722.199	4.75	5.9		
3587,961723	3269,8366		65811T93d	STWO	12	3587,961723	3085,776887		26	T	T93d	65811T93d	STWO	9	9	0	3	3,112.304	3,144.662	0.55	2.1		
7210,251358	3053,018134		65900E12a	EGWO	49	7210,251358	2743,434007		7	E	E12a	65900E12a	EGWO	49	49	0	0	7,859.686	3,144.662	0.55	-1.7		
2235,068206	4127,77239		65900E12a	STWO	49	2235,068206	3870,427643		87	E	E12a	65900E12a	STWO	42	41	-1	7	1,529.844	3,989.588	-1.55	5.9		
7458,623301	3442,699995		65919E12a	EGWO	49	7458,623301	3191,240182		24	E	E12a	65919E12a	EGWO	49	49	0	0	7,859.686	3,567.125	0.55	-1.7		
6924,204513	4285,494843		65919E12a	STWO	47	6924,204513	3647,753706		92	E	E12a	65919E12a	STWO	41	39	-2	6	6,277.225	4,412.051	-1.55	5.9		
7157,319807	4183,774693		65927E12a	STWO	49	7157,319807	3669,084672		102	E	E12a	65927E12a	STWO	40	43	3	9	7,859.686	3,989.588	2.65	9.7		
6726,437018	2938,431359		65935E12a	EGWO	49	6726,437018	2499,500124		129	E	E12a	65935E12a	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7		
7280,267128	4260,829814		65978E12a	STWO	49	7280,267128	3689,717562		154	E	E12a	65978E12a	STWO	44	42	-2	5	7,859.686	4,412.051	-1.55	5.9		
7367,891947	4132,584875		66001E12a	STWO	49	7367,891947	3688,18196		310	E	E12a	66001E12a	STWO	47	45	-2	2	7,859.686	3,989.588	-1.55	2.1		
6077,306636	4071,474378		66036E14f	STWO	41	6077,306636	4131,76673		106	E	E14f	66036E14f	STWO	38	34	-4	3	6,277.225	3,989.588	-3.65	2.1		
6053,639016	3180,440023		66079M51a	STWO	42	6053,639016	3457,849302		43	M	M51a	66079M51a	EGWO		49			6,277.225	3,144.662				
6205,639875	3235,105717		66095M51a	EGWO	42	6205,639875	3552,302139		12	M	M51a	66095M51a	EGWO		49			6,277.225	3,144.662				
6259,920758	3285,426396		66109M51a	EGWO	42	6259,920758	3558,783202		9	M	M51a	66109M51a	EGWO		49			6,277.225	3,144.662				
5757,313337	2909,988712		66117M51a	EGWO	42	5757,313337	3384,03		3	M	M51a	66117M51a	EGWO		49			6,277.225	2,722.199				
6251,782311	3169,082428		66125M51a	EGWO	42	6251,782311	3537,764944		4	M	M51a	66125M51a	EGWO		49			6,277.225	3,144.662				
5952,425379	3116,598784		66133M51a	EGWO	41	5952,425379	3464,83		7	M	M51a	66133M51a	EGWO		49			6,277.225	3,144.662				
6917,40298	3273,282449		66141M51a	EGWO	42	6917,40298	3825,1655		7	M	M51a	66141M51a	EGWO		49			6,277.225	3,144.662				
4432,002302	2545,151637		66192F83a	EGWO	36	4432,002302	2643,972462		10	F	F83a	66192F83a	EGWO	34	37	3	2	4,694.765	2,722.199	2.65	2.1		
4850,891329	2697,682761		66230F86a	EGWO	49	4850,891329	2420,312791		39	F	F86a	66230F86a	EGWO	42	45	3	7	4,694.765	2,722.199	2.65	5.9		
4328,300662	3497,968675		66230F86a	STWO	28	4328,300662	3099,564		15	F	F86a	66230F86a	STWO	19	20	1	9	4,694.765	3,567.125	0.55	9.7		
6359,522137	3248,248793		66249M51a	EGWO	41	6359,522137	3616,786629		5	M	M51a	66249M51a	EGWO		49			6,277.225	3,144.662				
4513,754837	2608,566308		66311N70a	EGWO	46	4513,754837	2421,116696		11	N	N70a	66311N70a	EGWO	42	42	0	4	4,694.765	2,722.199	0.55	2.1		
4033,973816	3357,691286		66311N70a	STWO	16	4033,973816	3090,5775		64	N	N70a	66311N70a	STWO	10	12	2	6	4,694.765	3,567.125	2.65	5.9		
4482,691314	2577,746108		66338N70a	EGWO	47	4482,691314	2389,857328		20	N	N70a	66338N70a	EGWO	42	42	0	5	4,694.765	2,722.199	0.55	5.9		
3241,291433	3410,777563		66400N74b	STWO		3241,291433	3407,983336		294	N	N74b	66400N74b	STWO	17				3,112.304	3,567.125				
4900,380243	2631,918108		66400N74c	EGWO	49	4900,380243	2465,262941		51	N	N74c	66400N74c	EGWO	39	46	7	10	4,694.765	2,722.199	6.85	9.7		
6213,314363	4575,038299		66451F87f	STWO	37	6213,314363	3915,635394		20	F	F87f	66451F87f	STWO					6,277.225	4,412.051				
3297,548551	3663,793532		66613T93f	STWO	5	3297,548551	3425,204355		184	T	T93f	66613T93f	STWO		5			3,112.304	3,567.125				
6613,561329			66710M58g	EGWO	49	6613,561329			3	M	M58g	66710M58g	EGWO		49			6,277.225					
7261,776799	4143,682533		66710M58g	STWO	49	7325,408358	3411,991542		19	M	M58g	66710M58g	STWO	40	39	-1	9	7,859.686	3,989.588	-1.55	9.7		
6271,893815	3943,277517		66729M58g	STWO	45	6271,893815	3644,87965		6	M	M58g	66729M58g	STWO	40	39	-1	5	6,277.225	3,989.588	-1.55	5.9		
8353,599651	5064,40928		66737M58g	STWO	49	8358,799957	3966,962287		409	M	M58g	66737M58g	STWO	42	40	-2	7	7,859.686	5,256.977	-1.55	5.9		
5996,268657			66745M58g	STWO	49	5996,268657	3068,95		2	M	M58g	66745M58g	STWO	40	39	-1	9	6,277.225		-1.55	9.7		
7648,025155	4567,364616		66753M58g	STWO	49	7648,025155	3576,482383		37	M	M58g	66753M58g	STWO	42	40	2	7	7,859.686	4,412.051	1.55	5.9		
7191,111111	3013,366843		66761M58g	EGWO	49	7191,111111	2230,220515		5	M	M58g	66761M58g	EGWO		49			7,859.686	3,144.662				
7421,372996	4618,733111		66761M58g	STWO	48	7424,855508	3778,916801		545	M	M58g	66761M58g	STWO	40	38	-2	8	7,859.686	4,412.051	-1.55	9.7		
7960,876246	4686,225682		66788M58g	STWO	45	7960,876246	3958,968148		42	M	M58g	66788M58g	STWO	42	41	-1	3	7,859.686	4,834.514	-1.55	2.1		
6494,117647	3828,019309		66796M58g	STWO	49	6494,117647	2182,837365		1	M	M58g	66796M58g	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7		
6494,117647	3828,019309		66818M58g	STWO	49	6494,117647	2182,837365		1	M	M58g	66818M58g	STWO	40	39	-1	9	6,277.225	3,989.588	-1.55	9.7		
5081,074456	2869,87069		69643M34f	EGWO	46	5050,005168	3331,45041		35	M	M34f	69643M34f	EGWO		43			4,694.765	2,722.199				
5504,752017	3546,23215		69643M34f	STWO	41	5520,439327	2694,887213		61	M	M34f	69643M34f	STWO	30	31	1	11	6,277.225	3,567.125	0.55	9.7		
5132,48087	2977,064607		69644M34f	EGWO	42	5163,177597	3009,890196		35	M	M34f	69644M34f	EGWO		43			4,694.765	3,144.662				
5487,949106	3864,491484		69644M34f	STWO	38	5487,949106	3425,465723		227	M	M34f	69644M34f	STWO	31	29	-2	7	6,277.225	3,989.588	-1.55	5.9		
5368,358634	3215,853745		69645M34f	EGWO	46	5368,358634	2747,127275		2	M	M34f	69645M34f	EGWO		43			4,694.765	3,144.662				
5324,080776	3766,781223		69645M34f	STWO	36	5327,280897	3435,045965		442	M	M34f	69645M34f	STWO	30	30	0	6	4,694.765	3,567.125	0.55	5.9		
5295,550014	3725,511166	[redacted]	69647M34f	STWO	35	5295,550014	3361,001888	[redacted]	239	M	M34f	69647M34f	STWO	30	29	-1	5	4,694.765	3,567.125	-1.55	5.9		

6122,233009	4570,096309	[redacted]	69648M34f	STWO	41	6122,233009	3531,715156	[redacted]	146	M	M34f	69648M34f	STWO	30	31	1	11	6,277.225	4,412.051	0.55	9.7
5380,95952	2910,852087		69650M34f	EGWO	49	5380,95952	2312,37		4	M	M34f	69650M34f	EGWO		46			4,694.765	2,722.199		
5965,096221	4335,865671		69650M34f	STWO	31	5965,096221	3812,849923		30	M	M34f	69650M34f	STWO	30	27	-3	1	6,277.225	4,412.051	-3.65	2.1
5354,465549	3783,504399		69655M34f	STWO	34	5365,233651	3570,637698		306	M	M34f	69655M34f	STWO	29	28	-1	5	4,694.765	3,989.588	-1.55	5.9
5748,486831	4037,101258		69656M34f	STWO	35	5748,486831	3745,461733		99	M	M34f	69656M34f	STWO	28	30	2	7	6,277.225	3,989.588	2.65	5.9
6682,089078	4354,008789		69657M34f	STWO	36	6682,089078	3732,930134		416	M	M34f	69657M34f	STWO	30	29	-1	6	6,277.225	4,412.051	-1.55	5.9
1100			69658T93c	STWO	8	1100			9	T	T93c	69658T93c	STWO		11			1,529.844			
3908,333333	3465,656972		69659T93c	STWO	8	3908,333333	3580,122159		30	T	T93c	69659T93c	STWO	11	11	0	-3	4,694.765	3,567.125	0.55	-1.7
7856,204162	4280,57384		69666A05a	STWO	48	7856,204162	4004,7542		55	A	A05a	69666A05a	STWO	44	41	-3	4	7,859.686	4,412.051	-3.65	2.1
6240,178223	4179,242308		69669N71c	STWO	45	6240,178223	3379,878643		26	N	N71c	69669N71c	STWO	36	35	-1	9	6,277.225	3,989.588	-1.55	9.7
5428,490801	3227,735444		69670N71c	EGWO	40	5428,490801	3370,335539		14	N	N71c	69670N71c	EGWO		41			4,694.765	3,144.662		
5811,425562	3957,843413		69670N71c	STWO	38	5811,425562	3588,362683		32	N	N71c	69670N71c	STWO	35	32	-3	3	6,277.225	3,989.588	-3.65	2.1
4673,151022	2743,742788		69672N71c	EGWO	45	4673,151022	2351,054		5	N	N71c	69672N71c	EGWO	42	41	-1	3	4,694.765	2,722.199	-1.55	2.1
5760,21182	3863,26034		69672N71c	STWO	43	5760,21182	3253,614366		43	N	N71c	69672N71c	STWO	33	32	-1	10	6,277.225	3,989.588	-1.55	9.7
4417,444681	2602,63506		69673F86b	EGWO	48	4417,444681	2323,439289		25	F	F86b	69673F86b	EGWO	38	41	3	10	4,694.765	2,722.199	2.65	9.7
5346,719559	3612,384345		69673F86b	STWO	34	5346,719559	3540,386337		88	F	F86b	69673F86b	STWO	30	28	-2	4	4,694.765	3,567.125	-1.55	2.1
5538,458882			69677M51b	EGWO	49	5538,458882	2877,396667		12	M	M51b	69677M51b	EGWO	47	46	-1	2	6,277.225		-1.55	2.1
5975,221105	3817,87154		69678E18b	STWO	49	5975,221105	2812,235533		6	E	E18b	69678E18b	STWO	41	38	-3	8	6,277.225	3,989.588	-3.65	9.7
5539,106108	3295,196813		69679N71c	EGWO	37	5539,106108	3463,751572		18	N	N71c	69679N71c	EGWO		42			6,277.225	3,144.662		
5680,533608	3844,471634		69679N71c	STWO	45	5680,533608	2703,824984		9	N	N71c	69679N71c	STWO	36	35	-1	9	6,277.225	3,989.588	-1.55	9.7
6060,229768	4339,659005		69681M55b	STWO	36	6060,229768	3846,024418		455	M	M55b	69681M55b	STWO	28	28	0	8	6,277.225	4,412.051	0.55	9.7
4817,973935	3672,442043		69682E39d	STWO	28	4817,973935	3224,223418		45	E	E39d	69682E39d	STWO	28	25	-3	0	4,694.765	3,567.125	-3.65	-1.7
4973,779086	2772,347105		69686N67a	EGWO	44	4973,779086	2631,989217		44	N	N67a	69686N67a	EGWO	42	40	-2	2	4,694.765	2,722.199	-1.55	2.1
4738,28104	2740,89778		69687N67a	EGWO	44	4738,28104	2515,905735		34	N	N67a	69687N67a	EGWO	37	40	3	7	4,694.765	2,722.199	2.65	5.9
8226,305902	3893,86306		69690E39a	EGWO		8226,305902	3720,445		3	E	E39a	69690E39a	EGWO					7,859.686	3,989.588		
6543,341244	3030,818952		69696M29c	EGWO	49	6543,341244	2608,555717		18	M	M29c	69696M29c	EGWO	49	49	0	0	6,277.225	3,144.662	0.55	-1.7
5447,443114	3744,117471		69701N60a	STWO	36	5447,443114	3483,199733		43	N	N60a	69701N60a	STWO	32	31	-1	4	4,694.765	3,567.125	-1.55	2.1
7071,591242	4565,206826		69702A09e	STWO	32	7071,591242	4579,45208		6	A	A09e	69702A09e	STWO	38	35	-3	-6	7,859.686	4,412.051	-3.65	-5.5
6615,539455	4203,341932		69703A09e	STWO	32	6615,539455	4349,174314		90	A	A09e	69703A09e	STWO	39	36	-3	-7	6,277.225	4,412.051	-3.65	-5.5
4992,380286	2782,645709		69705N68d	EGWO	47	4992,380286	2633,487878		45	N	N68d	69705N68d	EGWO	44	44	0	3	4,694.765	2,722.199	0.55	2.1
4863,52541	2859,01139		69705N68a	EGWO	44	4863,52541	2713,005069		7	N	N68a	69705N68a	EGWO	39	41	2	5	4,694.765	2,722.199	2.65	5.9
5001,479715	2760,172185		69706N68d	EGWO	48	5001,479715	2600,062097		18	N	N68d	69706N68d	EGWO	44	44	0	4	4,694.765	2,722.199	0.55	2.1
7406,82276	4263,517862		69708E18b	STWO	43	7406,82276	4184,180058		30	E	E18b	69708E18b	STWO	44	42	-2	-1	7,859.686	4,412.051	-1.55	-1.7
6154,907299	2833,452185		69709M29c	EGWO	49	6154,907299	2464,210566		28	M	M29c	69709M29c	EGWO	49	49	0	0	6,277.225	2,722.199	0.55	-1.7
5065,217391	2655,354603		69710N71c	EGWO	40	5065,217391	2177,28		1	N	N71c	69710N71c	EGWO		41			4,694.765	2,722.199		
5392,151564	3543,939039		69711N71c	EGWO	35	5392,151564	3561,619213		13	N	N71c	69711N71c	EGWO		38			4,694.765	3,567.125		
6529,173776	4060,112413		69711N71c	STWO	45	6529,173776	3342,862599		11	N	N71c	69711N71c	STWO	36	35	-1	9	6,277.225	3,989.588	-1.55	9.7
4770,801921	2949,590611		69712N71c	EGWO	40	4770,801921	2627,41		2	N	N71c	69712N71c	EGWO		41			4,694.765	3,144.662		
6124,64046	3817,444881		69712N71c	STWO	40	6124,64046	2727,788664		2	N	N71c	69712N71c	STWO	31	30	-1	9	6,277.225	3,989.588	-1.55	9.7
6241,472659	4015,323509		69716K52h	STWO	42	6241,472659	3546,035936		79	K	K52h	69716K52h	STWO	45	34	-11	-3	6,277.225	3,989.588	-9.95	-1.7
4820,814721	2787,897381		69721N68c	EGWO	45	4820,814721	2643,058829		9	N	N68c	69721N68c	EGWO	44	42	-2	1	4,694.765	2,722.199	-1.55	2.1
4449,742852	2572,950287		69723F81e	EGWO	33	4449,742852	2435,478615		19	F	F81e	69723F81e	EGWO	33	35	2	0	4,694.765	2,722.199	2.65	-1.7
5065,930164	2998,38723		69724F88b	EGWO	32	5065,930164	3530,051818		12	F	F88b	69724F88b	EGWO	36	41	5	-4	4,694.765	3,144.662	4.75	-5.5
4957,24207	2998,376599		69725F88b	EGWO	33	4957,24207	3315,978467		17	F	F88b	69725F88b	EGWO	37	41	4	-4	4,694.765	3,144.662	4.75	-5.5
4951,282051	2844,188589		69726F78b	EGWO	38	4951,282051	3086,272813		13	F	F78b	69726F78b	EGWO	34	38	4	4	4,694.765	2,722.199	4.75	2.1
4658,579261	2950,873885		69727T98b	EGWO	24	4811,916403	3626,398074		16	T	T98b	69727T98b	EGWO	33	37	4	-9	4,694.765	3,144.662	4.75	-9.3
5939,555616	2920,467464		69730N71g	EGWO	49	5939,555616	2384,224767		19	N	N71g	69730N71g	EGWO	44	49	5	5	6,277.225	2,722.199	4.75	5.9
5221,036912	3746,785422		69732N71g	STWO	36	5221,036912	3271,166215		31	N	N71g	69732N71g	STWO	29	28	-1	7	4,694.765	3,567.125	-1.55	5.9
6039,370608	2895,760579		69734N71g	EGWO	49	6039,370608	2366,668104		11	N	N71g	69734N71g	EGWO	43	49	6	6	6,277.225	2,722.199	6.85	5.9
5670,435583	3901,266838		69734N71g	STWO	38	5670,435583	3538,086667		36	N	N71g	69734N71g	STWO	28	31	3	10	6,277.225	3,989.588	2.65	9.7
5197,859349	2830,521557		69736F77b	EGWO	47	5197,859349	2745,326571		5	F	F77b	69736F77b	EGWO	43	46	3	4	4,694.765	2,722.199	2.65	2.1
3722,437197	2411,389076		69740T94a	EGWO	35	3722,437197	2426,741462		19	T	T94a	69740T94a	EGWO	31	35	4	4	3,112.304	2,299.736	4.75	2.1
4480	3793,416288		69740T94a	STWO	20	4480	3294,560382		3	T	T94a	69740T94a	STWO	12	10	-2	8	4,694.765	3,989.588	-1.55	9.7
3741,885429	2568,440129		69741T94a	EGWO	32	3741,885429	2538,255729		12	T	T94a	69741T94a	EGWO	28	31	3	4	3,112.304	2,722.199	2.65	2.1
3731,481481	2570,732267		69742T94a	EGWO	33	3731,481481	2518,207827		12	T	T94a	69742T94a	EGWO	28	31	3	5	3,112.304	2,722.199	2.65	5.9
3719,098707	2524,788562		69743T94a	EGWO	33	3719,098707	2502,022229		35	T	T94a	69743T94a	EGWO	29	32	3	4	3,112.304	2,722.199	2.65	2.1
4480	4010,580554		69743T94a	STWO	20	4480	4828,861945		3	T	T94a	69743T94a	STWO	12	10	-2	8	4,694.765	3,989.588	-1.55	9.7
3730,769231	2535,553557		69744T94a	EGWO	33	3730,769231	2485,227972		12	T	T94a	69744T94a	EGWO	28	32	4	5	3,112.304	2,722.199	4.75	5.9
3722,745258	2528,379107		69745T94a	EGWO	33	3722,745258	2494,183597		36	T	T94a	69745T94a	EGWO	29	32	3	4	3,112.304	2,722.199	2.65	2.1
3735,042735	2571,469192		69746T94a	EGWO	32	3735,042735	2520,247777		12	T	T94a	69746T94a	EGWO	26	31	5	6	3,112.304	2,722.199	4.75	5.9
4744,292755	2601,275207		69750F89c	EGWO	49	4744,292755	2344,782056		24	F	F89c	69750F89c	EGWO	41	45	4	8	4,694.765	2,722.199	4.75	9.7
7053,888114	4463,741248		69754A09d	STWO	38	7053,888114	4399,116084		7	A	A09d	69754A09d	STWO	39	37	-2	-1	6,277.225	4,412.051	-1.55	-1.7
5550,780711	3034,068122		69770M34f	EGWO	49	5550,780711	2348,96952		6	M	M34f	69770M34f	EGWO		45			6,277.225	3,144.662		
5171,064361	2787,629601		69771M34f	EGWO	46	5171,064361	2162,09		2	M	M34f	69771M34f	EGWO		43			4,694.765	2,722.199		
5445,436508	2766,51579		69772M34f	EGWO	46	5445,436508	2381,301783		2	M	M34f	69772M34f	EGWO		43			4,694.765	2,722.199		
5947,916667	4150,910848		69772M34f	STWO	36	5947,916667	3297,874974		2	M	M34f	69772M34f	STWO	30	29	-1	6	6,277.225	3,989.588	-1.55	5.9
5299,801898	3148,463369		69773M34f	EGWO	48	5299,801898	2657,219156		3	M	M34f	69773M34f	EGWO		41			4,694.765	3,144.662		
5891,826923	4290,828237		69773M34f	STWO	36	5891,826923	3713,710468		2	M	M34f	69773M34f	STWO	30	29	-1	6	6,277.225	4,412.051	-1.55	5.9
3796,578066	4038,632646		69775T93d	STWO	5	3796,578066	3730,057885		593	T	T93d	69775T93d	STWO	5	5	0	0	3,112.304	3,989.588	0.55	-1.7
7501,38232	3659,200193		69780M58b	EGWO	49	7515,991859	3055,938592		7	M	M58b	69780M58b	EGWO					7,859.686	3,567.125		
6455,8096	4174,466579		69780M58b	STWO	48	6495,537392	3422,064466		147	M	M58b	69780M58b	STWO		37			6,277.225	3,989.588		
7902,857143			69781M58b	EGWO	49	7902,857143	3059,859086		1	M	M58b	69781M58b	EGWO					7,859.686			
6578,570141	4081,267118		69781M58b	STWO	49	6578,570141	3364,880191		36	M	M58b	69781M58b	STWO		38			6,277.225	3,989.588		
6075,45341	3949,876411		69787M33j	STWO	36	6075,45341	3916,387777		40	M	M33j	69787M33j	STWO	38	36	-2	-2	6,277.225	3,989.588	-1.55	-1.7
5909,686832	3938,056038		69793M33j	STWO	33	5909,686832	4012,942268		99	M	M33j	69793M33j	STWO	36	33	-3	-3	6,277.225	3,989.588	-3.65	-1.7
6593,796657	3144,098051		69815N73h	EGWO	49	6593,796657	2800,573059		12	N	N73h	69815N73h	EGWO	48	49	1	1	6,277.225	3,144.662	0.55	2.1
5171,428571	4401,06577		69824F87e	EGWO		5171,428571	4727,74		1	F	F87e	69824F87e	EGWO					4,694.765	4,412.051		
4500	3368,165177		69824F87e	STWO		4500	2235,43		1	F	F87e	69824F87e	STWO					4,694.765	3,567.125		
5603,382624	2726,076297		98000N71g	EGWO	49	5608,382624	2218,576985		16	N	N71g	98000N71g	EGWO	43	49	6	6	6,277.225	2,722.199	6.85	5.9
6928,451975	4127,93888		98003M58g	STWO	48	6941,890844	3662,35028		152	M	M58g	98003M58g	STWO	40	39	-1	8	6,277.225	3,989.588	-1.55	9.7
6015,069814	2902,95684		98006N71g	EGWO	49	6015,069814	2389,937487		8	N	N71g	98006N71g	EGWO	46	49	3	3	6,277.225	2,722.199	2.65	2.1
5166,736018	3163,733989		98007M35b	EGWO	42	5166,736018	2980,007795		14	M	M35b	98007M35b	EGWO	44	43	-1	-2	4,694.765	3,144.662	-1.55	-1.7
6841,319036	4065,158745		98014E12a	STWO	49	6841,319036	3359,169836		228	E	E12a	98014E12a	STWO	42	41	-1	7	6,277.225	3,989.588	-1.55	5.9
5441,7113	2884,142769		98017N65d	EGWO	49	5441,7113	2726,780854		22	N	N65d	98017N65d	EGWO	45	47	2	4	4,694.765	2,722.199	2.65	2.1
6067,79661	4048,378089		98019F87f	STWO	36	6067,79661	3917,80729		2	F	F87f	98019F87f	STWO					6,277.225	3,989.588		
4971,40941	2775,416768		98020N65d	EGWO	47	4971,40941	2571,781046		14	N	N65d	98020N65d	EGWO	42	43	1	5	4,694.765	2,722.199	0.55	5.9
5341,924575	2873,215451		98022N65d	EGWO	49	5341,924575	2650,124105		13	N	N65d	98022N65d	EGWO	42	46	4	7	4,694.765	2,722.199	4.75	5.9
5583,581408	3982,123164		98025E39d	STWO	33	5583,581408	3651,239889		231	E	E39d	98025E39d	STWO	29	29	0	4	6,277.225	3,989.588	0.55	2.1
4857,91031	2842,97014		98028N74c	EGWO	40	4857,91031	2643,539492		12	N	N74c	98028N74c	EGWO	39	41	2	1	4,694.765	2,722.199	2.65	2.1
5437,097565	2894,144088		98029N74c	EGWO	48	5437,097565	2805,138205		6	N	N74c	98029N74c	EGWO	39	46	7	9	4,694.765	2,722.199	6.85	9.7
5042,377646	3632,463668		98031N71c	STWO	45	5042,377646	2755,524493		32	N	N71c	98031N71c	STWO	31	29	-2	14	4,694.765	3,567.125	-1.55	13.5
5377,336361	3088,221029		98032N67a	EGWO	44	5377,336361	2999,630912		15	N	N67a	98032N67a	EGWO	37	40	3	7	4,694.765	3,144.662	2.65	5.9
5185,797318	2771,622791		98033N67a	EGWO	44	5185,797318	2530,235421		10	N	N67a	98033N67a	EGWO	37	45	8	7	4,694.765	2,722.199	8.95	5.9
4934,663218	3053,084395		98034N67a	EGWO	39	4934,663218	3659,8		2	N	N67a	98034N67a	EGWO	37	40	3	2	4,694.765	3,144.662	2.65	2.1
5643,146997	3041,912634		98035N67a	EGWO	39	5643,146997	2951,914683		4	N	N67a	98035N67a	EGWO	37	40	3	2	6,277.225	3,144.662	2.65	2.1
6757,66194	4410,911198		98037M58b	STWO	46	6757,66194	3670,383261		162	M	M58b	98037M58b	STWO		35			6,277.225	4,412.051		
5659,090134	3106,5528		98038N67a	EGWO	39	5659,090134	3416,559224		10	N	N67a	98038N67a	EGWO	37	45	8	2	6,277.225	3,144.662	8.95	2.1
5572,842664	2981,179209		98042N67a	EGWO	39	5572,842664	2742,093217		3	N	N67a	98042N67a	EGWO	37	40	3	2	6,277.225	3,144.662	2.65	2.1
6408,677038	3383,855799		98043M35a	EGWO	48	6408,677038	4155,963877		8	M	M35a	98043M35a	EGWO	48	46	-2	0	6,277.225	3,567.125	-1.55	-1.7
4764,383888	2654,542617		98044M35a	EGWO	48	4764,383888	2374,595404		12	M	M35a	98044M35a	EGWO	48	47	-1	0	4,694.765	2,722.199	-1.55	-1.7
5252,917254	3843,056043		98044M35a	STWO	30	5252,917254	3661,247963		4	M	M35a	98044M35a	STWO	28	28	0	2	4,694.765	3,989.588	0.55	2.1

First(Buurtcode)	Gebruikscode	Mean(BSQ2021)	Mean(BSQ 2023 (MBM))	Mean(verschil_2021_MBM)	Mean(verschil_2021_M3E)	Mean(BSQ 2023 (M3E - punt 2 3 correctie))
A00a	EGWO	42,83333333	44,83333333	2	-10,83333333	32
A00a	STWO	38,63157895	35,47368421	-3,157894737	-8,210526316	30,42105263
A00b	EGWO	39	41	2	-8	31
A00b	STWO	35,82352941	30,82352941	-5	-10,29411765	25,52941176
A00c	EGWO	44	47,1	3,1	-8,6	35,4
A00c	STWO	38,68	34,48	-4,2	-8,92	29,76
A00d	EGWO	43,33333333	45,33333333	2	-9,333333333	34
A00d	STWO	42,5	38,3125	-4,1875	-6,4375	36,0625
A00e	EGWO	43,57142857	45,57142857	2	-8	35,57142857
A00e	STWO	41,5	36,28571429	-5,214285714	-8,285714286	33,21428571
A01b	EGWO	38	43	5	-14	24
A01b	STWO	41,28571429	37,21428571	-4,071428571	-10,21428571	31,07142857
A01c	EGWO	39				
A01c	STWO	39	34,38461538	-4,615384615	-6,615384615	32,38461538
A01d	EGWO	43,11111111	44,22222222	1,111111111	-13	30,11111111
A01d	STWO	41,25	36,91666667	-4,333333333	-9,5	31,75
A01e	EGWO	42,16666667	44	1,833333333	-9,666666667	32,5
A01e	STWO	39,78947368	35,73684211	-4,052631579	-7,157894737	32,63157895
A01f	EGWO	47,66666667	49	1,333333333	-9,333333333	38,33333333
A01f	STWO	43,22222222	39,44444444	-3,777777778	-6,666666667	36,55555556
A01g	EGWO					
A01g	STWO	41,33333333	37,42105263	-4,333333333	-8,833333333	32,78947368
A01h	STWO	43	38,25	-4,75	-5,25	37,75
A02a	EGWO	49	49	0	-0,6	48,4
A02a	STWO	46,45454545	41,81818182	-4,636363636	-2,727272727	43,72727273
A02b	EGWO	49	49	0	-0,222222222	48,77777778
A02b	STWO	47,30769231	42,53846154	-4,769230769	-1,538461538	45,76923077
A02c	EGWO	49	49	0	0	49
A02c	STWO	45,75	41,125	-4,625	-2,0625	43,6875
A02d	EGWO	49	49	0	0	49
A02d	STWO	47,4	43	-4,4	-1,5	45,9
A03a	EGWO	49	49	0	0	49
A03a	STWO	45	42	-3	0,166666667	45,16666667
A03b	EGWO					
A03b	STWO	47,25	45	-2,25	1,75	49
A03c	EGWO	49	49	0	0	49
A03c	STWO	46,33333333	44	-2,333333333	6,4763E-17	46,33333333
A03d	EGWO	49	49	0	0	49
A03d	STWO	46,875	44,375	-2,5	0,25	47,125
A03e	EGWO					
A03e	STWO	43,8	41	-2,8	-0,9	42,9
A03f	EGWO					
A03f	STWO	42,07142857	38,21428571	-3,857142857	-7,142857143	34,92857143
A03g	EGWO	49	49	0	0	49
A03g	STWO	45,625	41,375	-4,25	-0,75	44,875
A04a	STWO	42,5	38,5	-4	1	43,5
A04b	EGWO	45	46	1	-9	36
A04b	STWO	40,6	38	-2,6	-2,2	38,4
A04c	EGWO	48	49	1	-9,25	38,75

A04c	STWO	38,55555556	37	-1,555555556	-1,444444444	37,11111111
A04d	EGWO	48,55555556	48,66666667	0,111111111	-2,222222222	46,33333333
A04d	STWO	38,45454545	36,18181818	-2,272727273	-3,818181818	34,63636364
A04e	EGWO	47,15384615	47,76923077	0,615384615	-6,153846154	41
A04e	STWO	38,44444444	35,72222222	-2,722222222	-0,055555556	38,38888889
A04f	EGWO					
A04f	STWO	42,375	40	-2,375	4	46,375
A04g	EGWO					
A04g	STWO	38,5	37,25	-1,25	4,625	43,125
A04h	EGWO	47,77777778	48,77777778	1	-5,666666667	42,11111111
A04h	STWO	41,92857143	39,5	-2,428571429	-2	39,92857143
A04i	EGWO	48	49	1	-4	44
A04i	STWO	41,57142857	37,85714286	-3,714285714	-2,714285714	38,85714286
A05a	EGWO		49			49
A05a	STWO	43,42857143	40,42857143	-3	-0,428571429	43
A05b	EGWO	45,7	46,8	1,1	-6,4	39,3
A05b	STWO	43,46153846	40,53846154	-2,923076923	-3,461538462	40
A05c	EGWO	42,81818182	44,90909091	2,090909091	-5,090909091	37,72727273
A05c	STWO	41,125	37,625	-3,5	-2,375	38,75
A05d	EGWO	49	49	0	0	49
A05d	STWO	42,44444444	39,66666667	-2,777777778	0,944444444	43,38888889
A05f	EGWO					
A05f	STWO	39,5	36,75	-2,75	-9	30,5
A05g	STWO	36	36	0	-7	29
A06a	EGWO	47,23076923	48,15384615	0,923076923	-6,923076923	40,30769231
A06a	STWO	42,92307692	39,92307692	-3	-2,538461538	40,38461538
A06c	EGWO	48,69230769	48,84615385	0,153846154	-4	44,69230769
A06c	STWO	43,15384615	40,30769231	-2,846153846	-3,153846154	40
A06d	STWO	39	34,33333333	-4,666666667	-9,333333333	29,66666667
A06e	EGWO					
A06e	STWO	38,16666667	35,16666667	-3	-10,33333333	27,83333333
A06f	EGWO					
A06f	STWO	39,5	36,5	-3	-4,5	35
A06g	EGWO	48,75	48,75	0	-3,5	45,25
A06g	STWO	43,3	40,4	-2,9	-1,9	41,4
A06h	EGWO	49	48,8	-0,2	-3,6	45,4
A06h	STWO	45,7	43,3	-2,4	1,3	47
A06i	STWO	40,66666667	37,33333333	-3,333333333	-3,333333333	37,33333333
A06j	STWO	40,33333333	36,16666667	-4,166666667	-1,166666667	39,16666667
A06k	EGWO	49	49	0	-4	45
A06k	STWO	45,22222222	42,16666667	-3,055555556	-3,055555556	42,16666667
A06l	EGWO	48,85714286	48,85714286	-1,18952E-17	-5,714285714	43,14285714
A06l	STWO	44,47058824	41,64705882	-2,823529412	-1,941176471	42,52941176
A07a	EGWO	49	49	0	-3	46
A07a	STWO	43	39	-4	-0,666666667	42,33333333
A07b	STWO	39,66666667	35	-4,666666667	-5,666666667	34
A07c	EGWO	49	49	0	-0,666666667	48,33333333
A07c	STWO	41,66666667	38,33333333	-3,333333333	-4,333333333	37,33333333
A07d	EGWO					49
A07d	STWO	42,6	38,8	-3,8	-2,4	40,2

A07e	EGWO	49	49	0	0	49
A07e	STWO	43,06666667	40	-3,066666667	-2,4	40,66666667
A07f	EGWO					48,6
A07f	STWO	45,11111111	42	-3,111111111	1,888888889	47
A07g	EGWO	49	49	0	0	49
A07g	STWO	46	42,875	-3,125	-2,125	43,875
A07h	EGWO	49	49	0	0	49
A07h	STWO	46,5	43,5	-3	1,5	48
A08a	EGWO	49	49	0	-1	48
A08a	STWO	42,61538462	40,46153846	-2,153846154	-3,076923077	39,53846154
A08b	EGWO					38
A08b	STWO	42	39,66666667	-2,333333333	-1,166666667	40,83333333
A08d	EGWO	49	49	0	-5,857142857	43,14285714
A08d	STWO	42,1	40,1	-2	-1,5	40,6
A08e	EGWO					
A08e	STWO	40,4	39,4	-1	-4	36,4
A09a	EGWO					
A09b	STWO	32,3	29,1	-3,2	-4,7	27,6
A09c	EGWO					
A09c	STWO	34,63636364	33,09090909	-1,545454545	-3,545454545	31,09090909
A09d	EGWO					
A09d	STWO	35,88888889	33,55555556	-2,333333333	1,111111111	37
A09e	EGWO	49	49	0	0	49
A09e	STWO	34,23076923	31,30769231	-2,923076923	-6,384615385	27,84615385
A09f	EGWO	49	49	0	0	49
A09f	STWO	37	32,66666667	-4,333333333	-5,333333333	31,66666667
A09h	EGWO					
A09h	STWO	38,85714286	36,85714286	-2	-0,142857143	38,71428571
A09i	EGWO	47	47,66666667	2	-2	42,33333333
A09i	STWO	38,53846154	36	-2,538461538	-1,769230769	36,76923077
B10a	EGWO					
B10a	STWO					
B10d	EGWO					
B10g	STWO					
E12a	EGWO	49	49	0	0	49
E12a	STWO	42,375	41,375	-1	6	48,375
E12b	STWO	46	42	-4	2	48
E13a	STWO	41,38461538	36,46153846	-4,923076923	5,538461538	46,92307692
E13b	EGWO					
E13b	STWO	34,45454545	30,09090909	-4,363636364	-8,636363636	25,81818182
E13c	STWO	37,85714286	34	-3,857142857	2	39,85714286
E13d	STWO	35,5	32,4	-3,1	4,8	40,3
E13e	STWO	39,75	36,125	-3,625	5,375	45,125
E13f	STWO	41	37,8	-3,2	7,8	48,8
E13h	EGWO					
E13h	STWO					
E14a	STWO	40,6	39	-1,6	8,4	49
E14b	EGWO					
E14b	STWO	41,2	38,6	-2,6	1,4	42,6
E14c	STWO	29,83333333	28,83333333	-1	-3,5	26,33333333

E14d	STWO	39,07142857	37,57142857	-1,5	9,285714286	48,35714286
E14e	STWO	41,25	39,625	-1,625	7,625	48,875
E14f	EGWO		49			49
E14f	STWO	42,6	39,73333333	-2,866666667	4,133333333	46,73333333
E15a	STWO	39,2	35,6	-3,6	-3,7	35,5
E15c	STWO	27	33	6	21	48
E15d	STWO	36	34,5	-1,5	-6,5	29,5
E16a	EGWO					
E16a	STWO	40,23529412	38,52941176	-1,705882353	8,411764706	48,64705882
E16b	EGWO					
E16b	STWO	40,83333333	39,5	-1,333333333	7,916666667	48,75
E16c	EGWO					
E16c	STWO	41,25	39,75	-1,5	3	44,25
E17a	STWO	42,6	40,4	-2,2	6,333333333	48,93333333
E18a	EGWO	49	49	0	0	49
E18a	STWO	43,23076923	40,92307692	-2,307692308	5,692307692	48,92307692
E18b	EGWO	48,33333333	49	0,666666667	0,666666667	49
E18b	STWO	41,11764706	38,88235294	-2,235294118	6,235294118	47,35294118
E19a	EGWO					
E19a	STWO	43,5	41	-2,5	5,125	48,625
E19b	STWO	32,53846154	32,38461538	-0,153846154	1,769230769	34,30769231
E19c	STWO	40,71428571	38,28571429	-2,428571429	6,571428571	47,28571429
E20a	EGWO		49			46
E20a	STWO	46,6	44,3	-2,3	2,4	49
E20b	EGWO					49
E20b	STWO	44	41,4	-2,6	4,8	48,8
E20c	EGWO					
E20c	STWO	44,22222222	41,88888889	-2,333333333	4,777777778	49
E21a	EGWO					
E21a	STWO	43,8125	41,5625	-2,25	5,1875	49
E21b	EGWO	49	49	0	0	49
E21b	STWO	46,7	44,3	-2,4	2,3	49
E22a	EGWO					
E22a	STWO	48,25	45,33333333	-3	0,75	49
E22b	EGWO		49			
E22b	STWO	44,83333333	41,16666667	-3,666666667	3,833333333	48,66666667
E36a	EGWO	48	49	1	1	49
E36a	STWO	36	32	-4	3,666666667	39,66666667
E36b	STWO					
E37a	STWO	26,6	26,2	-0,4	5,6	32,2
E37c	EGWO		49			49
E37c	STWO	30,84210526	28,26315789	-2,578947368	9,052631579	39,89473684
E37d	STWO	39,06666667	36,6	-2,466666667	9,6	48,66666667
E37e	EGWO					
E37e	STWO	37,625	34,625	-3	11	48,625
E37f	STWO	36,66666667	34	-2,666666667	11,66666667	48,33333333
E37g	EGWO	49	49	0	0	49
E37g	STWO	35,22222222	32,88888889	-2,333333333	12,22222222	47,44444444
E38c	STWO	35,2173913	32,82608696	-2,391304348	11,65217391	46,86956522
E38d	STWO	36,85714286	34,57142857	-2,285714286	10,57142857	47,42857143

E39a	EGWO					
E39a	STWO	21,375	20,25	-1,125	9,5	30,875
E39b	EGWO	44	46,2	2,2	5	49
E39b	STWO	26,25	28,5	2,25	10	36,25
E39c	STWO	27,75	28,375	0,75	7,25	33,25
E39d	STWO	26,8	24,3	-2,5	0,6	27,4
E40a	STWO	41	38,5	-2,5	8	49
E40b	STWO	39,375	37,125	-2,25	9,625	49
E40c	STWO	38,875	36	-2,875	10,125	49
E41a	STWO	39,28571429	37	-2,285714286	9,714285714	49
E41b	STWO	37,3	34,9	-2,4	11,5	48,8
E41c	STWO	36,75	33,75	-3	11,25	48
E42a	STWO	37,125	35,3125	-1,8125	8,0625	45,1875
E42b	STWO	38,58333333	36,66666667	-1,916666667	8,75	47,33333333
E42c	STWO	38,71428571	36,85714286	-1,857142857	9	47,71428571
E42d	EGWO					
E42d	STWO	37,625	35,625	-2	7,375	45
E43a	EGWO	49	49	0	0	49
E43a	STWO	40,9375	39,0625	-1,875	7,75	48,6875
E43b	EGWO	49	49	0	0	49
E43b	STWO	40,75	38,875	-1,875	8,25	49
E75a	EGWO	49	49	0	0	49
E75a	STWO	38	36,1	-1,9	10,5	48,5
E75b	STWO	38,57142857	36,71428571	-1,857142857	8,857142857	47,42857143
E75c	STWO	37,16666667	35,66666667	-1,5	9,5	46,66666667
E75d	STWO	38,25	37,25	-1	8,75	47
F11a	EGWO					
F11a	STWO					
F11d	STWO					
F11e	EGWO					
F11f	STWO					
F76a	EGWO	31,09090909	35,75757576	4,666666667	5,303030303	36,39393939
F76a	STWO	7,928571429	9,071428571	1,142857143	-0,571428571	7,357142857
F76b	STWO	11	12,14285714	1,142857143	-2,214285714	8,785714286
F77a	EGWO	24,6	30,4	5,8	3,8	28,4
F77a	STWO	12	12,83333333	0,833333333	0,833333333	12,83333333
F77b	EGWO	42,69230769	45	2,307692308	4,307692308	47
F77b	STWO	16,09090909	17,36363636	1,272727273	2,363636364	18,45454545
F77c	EGWO	30	33,21428571	3,214285714	2,142857143	32,14285714
F77c	STWO	11,22222222	11	-0,222222222	3,222222222	14,44444444
F77d	EGWO	35	38,5	3,5	6,75	41,75
F77d	STWO	10	11,25	1,25	2	12
F77e	STWO		27			30
F77f	EGWO	28,61111111	32,5	3,888888889	3,833333333	32,44444444
F77f	STWO	14,16666667	14,83333333	0,666666667	3,666666667	17,83333333
F78a	EGWO	34,4	35,8	1,4	1	35,4
F78a	STWO	15,25	13	-2,25	-3	12,25
F78b	EGWO	29,59259259	33,37037037	3,777777778	3,259259259	32,85185185
F78b	STWO	19,55555556	18,22222222	-1,333333333	14,55555556	34,11111111
F78c	EGWO	36,2	42,6	6,4	6,6	42,8

F78c	STWO	12,5	13,08333333	0,583333333	0,166666667	12,66666667
F78d	EGWO	28,26315789	31,63157895	3,368421053	3,052631579	31,31578947
F78d	STWO	15	16,11111111	1,111111111	3,888888889	18,88888889
F78e	STWO	8,5	10,5	2	4	12,5
F79a	EGWO					
F79b	EGWO	30,61538462	35,23076923	4,615384615	3,076923077	33,69230769
F79b	STWO	13	12,14285714	-0,857142857	-3,571428571	9,428571429
F80b	EGWO	24,33333333	28	3,666666667	-5	19,33333333
F80b	STWO					
F80c	EGWO		32			32
F81a	EGWO	28	31	3	0,5	28,5
F81a	STWO	9	7,666666667	-1,333333333	-1,5	7,5
F81b	EGWO	35	37	2	4,666666667	39,66666667
F81b	STWO	13,66666667	12,44444444	-1,222222222	3,888888889	17,55555556
F81c	EGWO	35,66666667	41	5,333333333	5,333333333	41
F81c	STWO	13,44444444	13,44444444	0	0,666666667	14,11111111
F81d	EGWO	32,6	35,2	2,6	1	33,6
F81d	STWO	9,166666667	8,666666667	-0,5	-2	7,166666667
F81e	EGWO	27,90909091	29,5	1,590909091	-1	26,90909091
F81e	STWO	8,111111111	7	-1,111111111	-1,666666667	6,444444444
F82a	EGWO	35,25	38	2,75	5	40,25
F82a	STWO	12,5	11,5	-1	-2,5	10
F82b	EGWO	35,66666667	38,66666667	3	6,666666667	42,33333333
F82b	STWO	15,75	13,75	-2	1	16,75
F82c	STWO	10,1	8,5	-1,6	0,8	10,9
F82d	EGWO	34,1	37,3	3,2	8,3	42,4
F82d	STWO	16,45	15,3	-1,15	1,4	17,85
F83a	EGWO	29,46153846	32,03846154	2,576923077	1,538461538	31
F83a	STWO	7,428571429	5	-2,428571429	-1,714285714	5,714285714
F83b	STWO	7	5	-2	9	16
F84a	EGWO	32,04545455	34,72727273	2,681818182	4	36,04545455
F84a	STWO	13,86956522	11,52173913	-2,347826087	6,956521739	20,82608696
F84b	EGWO	33,38095238	36,92857143	3,547619048	4,166666667	37,54761905
F84b	STWO	14,5	14,28571429	-0,214285714	0,357142857	14,85714286
F84c	EGWO	33,28571429	36,66666667	3,380952381	5,452380952	38,73809524
F84c	STWO	20,44444444	20,22222222	-0,222222222	4,111111111	24,55555556
F85a	EGWO	36,42857143	37,5	1,071428571	5,5	41,92857143
F85a	STWO	26,11111111	24,22222222	-1,888888889	7,555555556	33,66666667
F85b	EGWO	37,66666667	40,06666667	2,4	5,066666667	42,73333333
F85b	STWO	15,16666667	14,33333333	-0,833333333	-1,333333333	13,83333333
F85c	STWO	15,22222222	14	-1,222222222	-5,555555556	9,666666667
F86a	EGWO	37,72727273	39,72727273	2	6	43,72727273
F86a	STWO	19,47368421	19,94736842	0,473684211	7	26,47368421
F86b	EGWO	38,33333333	42,66666667	4,333333333	9,333333333	47,66666667
F86b	STWO	23,25	22,92307692	-1	6,125	31
F86c	EGWO					
F86c	STWO	21	20	-1	4	25
F86d	STWO	22	25	3	6	28
F86e	STWO	23	22	-1	2	25
F86f	STWO	25,5	24,5	-1	6,5	32

F87a	STWO	27,8	26,2	-1,6	2,2	30
F87b	EGWO					
F87b	STWO	41,33333333	38,66666667	-2,666666667	2	43,33333333
F87c	EGWO					
F87c	STWO	29,6	29	-0,6	4,4	34
F87d	STWO	19,57142857	19,71428571	0,142857143	7,285714286	26,85714286
F87e	EGWO					
F87e	STWO					
F87f	STWO	24	28	4	12	36,5
F88a	EGWO					
F88a	STWO		22			27
F88b	EGWO	33	37,9	4,9	2,5	35,5
F88b	STWO	26,5	25,5	-1	0,5	27
F88c	EGWO					
F88d	EGWO	36	41	5	-1	35
F88e	EGWO	33	36,47368421	3,473684211	5,473684211	38,47368421
F88e	STWO	16,4	17	0,6	-0,2	16,2
F88f	EGWO	33,76923077	37,23076923	3,461538462	4,615384615	38,38461538
F88f	STWO	21,5	21,25	-0,25	1,5	23
F88g	STWO	19,16666667	17,83333333	-1,333333333	2,333333333	21,5
F88h	EGWO	31,95	35,8	3,85	6,55	38,5
F88h	STWO	24	21,5	-3	4	25,25
F88i	EGWO	35,05263158	38,26315789	3,210526316	2,789473684	37,84210526
F88i	STWO	21	20,72727273	-0,272727273	4,363636364	25,36363636
F88j	EGWO	27,875	30,875	3	2,125	30
F88j	STWO	18	17	-1	8	26
F89a	EGWO	33,66666667	38	4,333333333	8	41,66666667
F89a	STWO	17,23076923	17,15384615	-0,076923077	-0,538461538	16,69230769
F89b	EGWO	29,8	32,8	3	2,1	31,9
F89b	STWO	15,91666667	14,25	-1,666666667	5,55112E-17	15,91666667
F89c	EGWO	39,16666667	42	2,833333333	6,5	45,66666667
F89c	STWO	27,5	24,75	-2,75	0	27,5
F89d	STWO	12,5	12	-0,5	4	16,5
K23a	STWO	46	44	-2	0	46
K23c	EGWO		45			44
K23c	STWO	38	29	-9	-11	27
K23d	EGWO		49			49
K23d	STWO	44,4	41,5	-2,9	1,4	45,8
K23e	STWO	38	35	-3	1	39
K24a	EGWO	49	49	0	-3,2	45,8
K24a	STWO	44,66666667	41,77777778	-2,888888889	4,333333333	49
K24b	STWO	44,33333333	41,55555556	-2,777777778	4,222222222	48,55555556
K24c	EGWO					48
K24c	STWO	45,77777778	43	-2,777777778	3,222222222	49
K24d	EGWO					
K24d	STWO	43,54545455	40,81818182	-2,727272727	5,090909091	48,63636364
K24e	EGWO	49	49	0	-1	48
K24e	STWO	43,5	40,75	-2,75	5,5	49
K25a	EGWO	46,25	48,25	2	-3	43,25
K25a	STWO	43,23076923	39,92307692	-3,307692308	5,384615385	48,61538462

K25b	EGWO					
K25b	STWO	44,33333333	41,27777778	-3,055555556	4,555555556	48,88888889
K25c	STWO	41	38	-3	5,090909091	46,09090909
K25d	EGWO					
K25d	STWO	43,76923077	40,38461538	-3,384615385	5,230769231	49
K26a	EGWO	49	49	0	0	49
K26a	STWO	38,75	37,75	-1	10	48,75
K26b	EGWO					
K26b	STWO	42,875	39,125	-3,75	5,8125	48,6875
K26c	STWO	42,35714286	37,92857143	-4,428571429	6,214285714	48,57142857
K44a	EGWO	49	49	0	0	49
K44a	STWO	40,8	39,1	-1,7	5,2	46
K44b	STWO	40,9375	39,125	-1,8125	7,9375	48,875
K44c	STWO	40,91666667	39	-1,916666667	8,083333333	49
K44d	EGWO	48,5	48,75	0,25	0,5	49
K44d	STWO	41,54545455	38,45454545	-3,090909091	7,454545455	49
K44e	EGWO	48,75	49	0,25	0,25	49
K44e	STWO	41,5	39,2	-2,3	7,3	48,8
K44f	EGWO					
K44f	STWO					
K45a	EGWO	47	47,75	0,75	-1,25	45,75
K45a	STWO	43,1	40,7	-2,4	5,5	48,6
K45b	EGWO	49	49	0	0	49
K45b	STWO	40,33333333	38,66666667	-1,666666667	8,333333333	48,66666667
K46a	EGWO					49
K46a	STWO	49	46,8	-2,2	0	49
K46b	EGWO		49			49
K46b	STWO	48,45454545	46	-2,454545455	0,545454545	49
K46c	EGWO					49
K46c	STWO	47,5	45	-2,5	1,5	49
K47a	EGWO					49
K47a	STWO	48,33333333	45,84615385	-2,666666667	0,666666667	49
K47b	EGWO					49
K47b	STWO	48,5	45,66666667	-3	0,5	49
K47c	EGWO	49	49	0	0	49
K47c	STWO	49	47,5	-1,5	0	49
K47d	EGWO	49	49	0	0	49
K47d	STWO	49	48,33333333	-1	0	49
K47e	EGWO	49	49	0	0	49
K47e	STWO	47,81818182	46,54545455	-1,272727273	1,181818182	49
K47f	EGWO	49	49	0	0	49
K47f	STWO	47,84615385	46,07692308	-1,769230769	1,153846154	49
K47g	EGWO					49
K47g	STWO	44,33333333	43,22222222	-1,111111111	4,666666667	49
K47h	STWO	49	48	-1	0	49
K47i	EGWO					
K47j	EGWO					
K47j	STWO	46,125	42,625	-3,5	2,875	49
K48a	STWO	43,85714286	39	-4,857142857	5,142857143	49
K48b	EGWO					49

K48b	STWO	45,85714286	42,14285714	-3,714285714	3,142857143	49
K48c	EGWO					
K48c	STWO	42,66666667	38,88888889	-3,777777778	6	48,66666667
K48d	EGWO					
K48d	STWO	42,875	38,625	-4,25	0,625	43,5
K48e	STWO					
K48f	EGWO		49			49
K48f	STWO	43,75	39,8125	-3,9375	5,25	49
K49a	EGWO	49	49	0	0	49
K49a	STWO	48	45,5	-2,5	1	49
K49b	EGWO	49	49	0	0	49
K49b	STWO	47,54545455	44,36363636	-3,181818182	1,454545455	49
K49c	EGWO					49
K49c	STWO					
K49d	EGWO	49	49	0	0	49
K49d	STWO	48,64285714	45,07142857	-3,571428571	0,357142857	49
K49e	EGWO	49	49	0	0	49
K49e	STWO	48,5625	45,1875	-3,375	0,4375	49
K49f	EGWO	49	49	0	0	49
K49f	STWO	47,86666667	44,2	-3,666666667	1,133333333	49
K52a	EGWO	49	49	0	0	49
K52a	STWO	44,46153846	42,30769231	-2,153846154	4,538461538	49
K52b	EGWO		49			49
K52b	STWO	43	40,94117647	-2,058823529	6	49
K52c	STWO	43,66666667	41,33333333	-2,333333333	5,333333333	49
K52d	STWO	40,14285714	39,14285714	-1	8,857142857	49
K52g	EGWO	49	49	0	0	49
K52g	STWO	35,85714286	33,85714286	-2	-3,857142857	32
K52h	STWO	43,16666667	39,33333333	-3,833333333	2	45,16666667
K53a	STWO	39,91666667	38,08333333	-1,833333333	8,666666667	48,58333333
K53b	STWO	38,75	36,83333333	-1,916666667	8,833333333	47,58333333
K54a	STWO	40,2	37,9	-2,3	8,2	48,4
K54b	EGWO					
K54b	STWO	40,9	38,7	-2,2	7,9	48,8
K54c	EGWO		49			49
K54c	STWO	39,55555556	37,33333333	-2,222222222	9,222222222	48,77777778
K54d	STWO	41,28571429	38,71428571	-2,571428571	6,857142857	48,14285714
K54e	EGWO					
K59a	EGWO	49	49	0	0	49
K59a	STWO	37,81818182	34	-3,818181818	-4,363636364	33,45454545
K90a	EGWO	49	49	0	0	49
K90a	STWO	31,90909091	27,86363636	-4,045454545	-1,909090909	30
K90c	EGWO	47,9	48,1	0,2	1,1	49
K90c	STWO	29,57692308	24,57692308	-5	-2,846153846	26,73076923
K90d	EGWO	47,2	47	-0,2	1,666666667	48,86666667
K90d	STWO	30,53846154	26,30769231	-4,230769231	2,230769231	32,76923077
K90e	EGWO					
K90i	EGWO	48,625	47,625	-1	0,375	49
K90i	STWO	41,71428571	37	-4,714285714	0,285714286	42
K90j	EGWO					

K91a	STWO	37,66666667	34,66666667	-3	-1	36,66666667
K91b	STWO	32,57142857	28	-4,571428571	-1	31,57142857
K91c	EGWO	48,0625	47,4375	-0,625	0,9375	49
K91c	STWO	29,47058824	23,64705882	-5,823529412	-0,941176471	28,52941176
K91d	EGWO					
M27a	EGWO					49
M27a	STWO	42,6	39,7	-2,9	6,2	48,8
M27b	EGWO	48,66666667	49	0,333333333	0,333333333	49
M27b	STWO	41,92307692	38,84615385	-3,076923077	6,384615385	48,30769231
M28a	EGWO					
M28a	STWO	38,6875	36,625	-2,0625	7	45,6875
M28b	STWO					
M28c	EGWO	49	49	0	-4	46
M28c	STWO	39,90909091	38	-1,909090909	7,727272727	47,63636364
M28d	EGWO					
M28d	STWO	38,2	36,2	-2	3,5	41,7
M29a	STWO	39,5	35,5	-4	4,8	44,3
M29b	EGWO					
M29b	STWO	38,81818182	35,45454545	-3,363636364	7,454545455	46,27272727
M29c	EGWO	49	49	0	0	49
M29c	STWO	40,6	38	-2,6	2,5	43,1
M30a	EGWO	45	46	1	4	49
M30a	STWO	36,35	34,3	-2,05	8,65	45
M30b	EGWO	46,5	47	0,5	0,5	47
M30b	STWO	40,6	38,93333333	-1,666666667	7,933333333	48,53333333
M31a	STWO	39,125	37,25	-1,875	7,5625	46,6875
M31b	STWO	36,5	34	-2,5	5,5	42
M31c	STWO	29,88888889	27,11111111	-2,777777778	4,222222222	34,11111111
M32a	STWO	34,47368421	32,15789474	-2,315789474	3,157894737	37,63157895
M32b	EGWO					
M32b	STWO	34,38461538	32,61538462	-1,769230769	6,230769231	40,61538462
M32c	EGWO	49	49	0	0	49
M32c	STWO	34,66666667	31,33333333	-3,333333333	-3,333333333	31,33333333
M32d	EGWO					
M32d	STWO					
M33a	STWO	36,28571429	33,42857143	-2,857142857	-0,142857143	36,14285714
M33b	EGWO	47,8	47,2	-0,6	1,2	49
M33b	STWO	34,88888889	32,88888889	-2	0,777777778	35,66666667
M33c	EGWO	49	49	0	0	49
M33c	STWO	38,5	36,25	-2,25	0,833333333	39,33333333
M33d	STWO	34,66666667	31,83333333	-2,833333333	-0,166666667	34,5
M33e	EGWO	48,71428571	48,85714286	0,142857143	0,285714286	49
M33e	STWO	34	31,18181818	-2,818181818	-1,181818182	32,81818182
M33f	EGWO	48,77777778	48,77777778	0	0,222222222	49
M33f	STWO	39	37,16666667	-1,833333333	4	43
M33g	STWO	30,8	29,4	-1,4	-2,2	28,6
M33h	EGWO	46	44	-2	-4	42
M33h	STWO	26,375	21,875	-4,5	-8,5	17,875
M33i	STWO	34	25,33333333	-8,666666667	8,666666667	42,66666667
M33j	STWO	37,25	33,25	-4	-3	34,25

M33k	EGWO					
M33k	STWO	26	29	3	6	32
M34c	EGWO					
M34d	STWO					
M34e	EGWO					
M34f	EGWO		43,375			46,5
M34f	STWO	29,81818182	29,27272727	-0,545454545	6,454545455	36,27272727
M35a	EGWO	47,90909091	46,18181818	-1,727272727	-0,181818182	47,72727273
M35a	STWO	28	26,88888889	-1,111111111	2,666666667	30,66666667
M35b	EGWO	43,65	42,25	-1,4	-1,15	42,5
M35b	STWO	30,92857143	28,21428571	-2,714285714	10,28571429	41,21428571
M35c	EGWO	48,9	46,8	-2,1	-0,3	48,6
M35c	STWO	31,66666667	28,83333333	-2,833333333	5,166666667	36,83333333
M35e	EGWO	46	43,91666667	-2,083333333	2,333333333	48,33333333
M35e	STWO	26,5	24	-2,5	2,416666667	28,91666667
M35f	EGWO	45	44,56521739	-0,434782609	2,913043478	47,91304348
M35f	STWO	25,2	22,73333333	-2,466666667	0,866666667	26,06666667
M51a	EGWO		49			41,75
M51b	EGWO	46,85714286	46,19047619	-0,666666667	1,761904762	48,61904762
M51b	STWO	27,84615385	26,38461538	-1,461538462	2,384615385	30,23076923
M51c	EGWO	46	45,66666667	-0,333333333	1,666666667	47,66666667
M51c	STWO	27	24,625	-2,375	1,5	28,5
M55b	EGWO	47,33333333	49	1,666666667	1,666666667	49
M55b	STWO	31,75	31,5	-0,25	6	37,75
M55c	EGWO	49	49	0	0	49
M55c	STWO	31,42857143	34,28571429	2,857142857	2,857142857	34,28571429
M55d	EGWO	48,57142857	49	0,428571429	0,428571429	49
M55d	STWO	38,58333333	37,25	-1,333333333	9,583333333	48,16666667
M55e	EGWO					
M55g	EGWO	47,33333333	48,33333333	1	1	48,33333333
M55g	STWO	37,77777778	36,88888889	-0,888888889	10,33333333	48,11111111
M55h	EGWO	48,375	49	0,625	0,625	49
M55h	STWO	32,25	32	-0,25	10	42,25
M55i	STWO	34	31	-3	-6	28
M56a	EGWO	48,8	49	0,2	0,2	49
M56a	STWO	41,1	40,5	-0,6	7,9	49
M56b	EGWO	49	49	0	0	49
M56b	STWO	41,84615385	41	-0,846153846	7,153846154	49
M56c	EGWO	49	49	0	0	49
M56c	STWO	37,20512821	36,61538462	-0,58974359	8,666666667	45,87179487
M56d	EGWO					
M56d	STWO	33,33333333	32,66666667	-0,666666667	3	36,33333333
M56e	EGWO					
M56f	EGWO	48,83333333	48,33333333	-0,5	0,166666667	49
M56f	STWO	29	28	-1	2,5	31,5
M56h	EGWO					
M56h	STWO	32	31,5	-0,5	1	33
M56i	EGWO					
M57a	EGWO	44	46,45454545	2,454545455	4,818181818	48,81818182
M57a	STWO	28,93333333	28,8	-0,133333333	14,53333333	43,46666667

M57b	EGWO					
M58b	EGWO					49
M58b	STWO		36,4			47,4
M58e	STWO					
M58g	EGWO		49			49
M58g	STWO	40,25	39,08333333	-1,166666667	7,916666667	48,16666667
M58h	STWO	36	36	0	7	43
M58i	STWO		30			35
M58j	STWO					
N60a	EGWO	31,88888889	34,22222222	2,333333333	7,444444444	39,33333333
N60a	STWO	27,38888889	27,5	0,111111111	9,777777778	37,16666667
N60b	EGWO	38,36363636	40,81818182	2,454545455	4	42,36363636
N60b	STWO	27,90909091	26,81818182	-1,090909091	11,36363636	39,27272727
N60c	EGWO	33,8	35,53333333	1,733333333	3,8	37,6
N60c	STWO	20,30769231	19,92307692	-0,384615385	12,15384615	32,46153846
N61a	EGWO					
N61a	STWO	30,46153846	27,69230769	-2,769230769	-5,923076923	24,53846154
N61b	EGWO	40	42,88888889	2,888888889	5,555555556	45,55555556
N61b	STWO	26,56	22,24	-4,32	10,08	36,64
N61c	EGWO	36,15384615	36,23076923	0,076923077	7,923076923	44,07692308
N61c	STWO	30,2	27	-3,2	12,4	42,6
N61d	EGWO	41	45	4		
N61d	STWO	27	31	4	20	47
N62a	EGWO	31,69230769	33,69230769	2	3,846153846	35,53846154
N62a	STWO	22,66666667	20,66666667	-2	-3,333333333	19,33333333
N62b	EGWO	36,11538462	38,19230769	2,076923077	5,807692308	41,92307692
N62b	STWO					
N63a	EGWO	33,0952381	35,42857143	2,333333333	5,761904762	38,85714286
N63a	STWO	20	20	0	15	35
N64a	EGWO	38	39	1	-6	32
N64b	EGWO	45	47	2	-1	44
N64c	EGWO	44	47,25	3,25	4,125	48,125
N64c	STWO	29,33333333	29	-0,333333333	15,66666667	45
N64d	EGWO	40	45	5	7	47
N64d	STWO	33	28,33333333	-4,666666667	16	49
N65a	EGWO	20,92307692	28,30769231	7,384615385	5,538461538	26,46153846
N65a	STWO		10,5			16,25
N65b	EGWO	26,80487805	30,7804878	3,975609756	5,682926829	32,48780488
N65b	STWO	18,33333333	17,33333333	-1	12	30,33333333
N65c	EGWO	28,85185185	32,85185185	4	4,296296296	33,14814815
N65c	STWO	16,66666667	14,11111111	-2,555555556	-5	11,66666667
N65d	EGWO	41,86956522	44,04347826	2,173913043	3,130434783	45
N65d	STWO		26			21
N66b	EGWO	29	30,33333333	3	-1	24,66666667
N66b	STWO	20,5	15,5	-5	11	31,5
N66c	EGWO	28,90909091	31,72727273	2,818181818	1,272727273	30,18181818
N66c	STWO	13,5	14,5	1	19,5	33
N66d	EGWO	34,57894737	36,10526316	1,526315789	1,105263158	35,68421053
N66d	STWO	16,625	13,75	-2,875	-4,125	12,5
N66e	EGWO					

N66f	STWO	7,25	7	-0,25	0,875	8,125
N66g	EGWO	32,72727273	34,36363636	1,636363636	1,909090909	34,63636364
N66g	STWO	12,25	13,5	1,25	-4,25	8
N67a	EGWO	35,75	38,91666667	3,166666667	2,791666667	38,54166667
N67a	STWO	18,75	18	-0,75	12,75	31,5
N67b	EGWO	31,54545455	34,63636364	3,090909091	4,090909091	35,63636364
N68a	EGWO					
N68a	STWO	12	7	-5	0	12
N68b	STWO	16,5	11,5	-5	-2,5	14
N68c	EGWO	44,33333333	42	-2,333333333	1	45,33333333
N68c	STWO	11,57142857	10,78571429	-0,785714286	-2,285714286	9,285714286
N68d	EGWO	39,1875	40,25	1,0625	4,0625	43,25
N68d	STWO	7,857142857	12	4,142857143	4,428571429	12,28571429
N68e	EGWO	40,33333333	41,16666667	0,833333333	3	43,33333333
N68e	STWO	9,333333333	8,333333333	-1	1,666666667	11
N68f	EGWO	39,83333333	42,5	2,666666667	3,833333333	43,66666667
N68f	STWO	8	7,8	-0,2	0	8
N69a	EGWO	39,66666667	42,33333333	2,666666667	7	46,66666667
N69c	EGWO	35	41	6	9	44
N69c	STWO	13	11	-2	-1	12
N69j	STWO	22,4	21,4	-1	-1,6	20,8
N69k	STWO	18,6	16,8	-1,8	0,2	18,8
N69l	STWO	9,714285714	10,71428571	1	-1,285714286	8,428571429
N69m	EGWO	26,25	30,5	4,25	10	36,25
N69m	STWO	14,75	12	-2,75	-0,5	14,25
N70a	EGWO	38,92857143	40	1,071428571	5,5	44,42857143
N70a	STWO	9,625	11,375	1,75	0,25	9,875
N70b	EGWO	37,96774194	40,93548387	2,967741935	7,064516129	45,03225806
N70b	STWO	17,84615385	19,76923077	1,923076923	10,69230769	28,53846154
N70c	EGWO					
N70c	STWO	9,666666667	8,333333333	-1,333333333	-4,666666667	5
N70d	EGWO	38,5	40,625	2,125	5,625	44,125
N70d	STWO	6,857142857	6	-0,857142857	-1,857142857	5
N70e	EGWO	42	44	2	2	44
N70f	EGWO	42	44,5	2,5	5	47
N70f	STWO	18	19	1	-10	8
N71c	EGWO	41	41,1	1	0	39,9
N71c	STWO	31,86666667	30,93333333	-0,933333333	9,333333333	41,2
N71f	STWO	22,4	22,5	0	6,25	28,75
N71g	EGWO	44	49	5	5	49
N71g	STWO	28,25	28,25	0	7,25	35,5
N71h	STWO	40,8	36	-4,8	-1	39,8
N72a	EGWO	37	40	3	5,5	42,5
N72a	STWO	19,5	19,5	0	21	42,6
N72c	EGWO	38	40	2	2	40
N73a	EGWO	45	48	3	4	49
N73b	EGWO	40,4	45,6	5,2	4,4	44,8
N73b	STWO					
N73d	EGWO	40	43	3	0	40
N73d	STWO					

N73f	EGWO	37,66666667	39,66666667	2	-2	35,66666667
N73f	STWO		29,5			48,5
N73g	EGWO	35,33333333	38	2,666666667	-1,666666667	33,66666667
N73h	EGWO	43	45,14285714	2,142857143	1,785714286	44,78571429
N73h	STWO	7	6,5	-0,5	3,5	10,5
N73j	EGWO					
N74a	EGWO	41	45	4	0,5	41,5
N74b	STWO	17				
N74c	EGWO	38,5	41,88888889	3,388888889	7	45,5
N74c	STWO	22	23,25	1,25	8	30
T92d	STWO	5	6	1	4	9
T92e	STWO					
T92g	EGWO					
T93a	EGWO	27	31	4	1	28
T93a	STWO	5,555555556	6,111111111	0,555555556	0,111111111	5,666666667
T93b	EGWO	23	28,25	5,25	0,25	23,25
T93b	STWO	6,4	6,8	0,4	-0,9	5,5
T93c	STWO	11	11	0	-3	8
T93d	EGWO	21	26,64285714	5,642857143	5,071428571	26,07142857
T93d	STWO	7,545454545	8,909090909	1,363636364	1,181818182	8,727272727
T93e	STWO	5	5	0	0	5
T93f	STWO	5	5	0	0	5,25
T93g	STWO	5,25	5	-0,25	-0,25	5
T93i	EGWO	21	27	6	5	26
T93j	EGWO	24,66666667	29,16666667	4,5	2,166666667	26,83333333
T93j	STWO	15	9,5	-5,5	17	32
T94a	EGWO	27,0952381	31,47619048	4,380952381	5,142857143	32,23809524
T94a	STWO	12	10	-2	8	20
T94b	EGWO	22,72	27,52	4,8	4,24	26,96
T94b	STWO	7,666666667	6,266666667	-1,4	3,066666667	10,73333333
T94c	STWO	5	5	0	0	5
T94d	EGWO	21,5	26	4,5	0,5	22
T94d	STWO	5	5	0	0	5
T94e	EGWO	14	18	4	0	14
T94f	STWO	5	5	0	0,5	5,5
T94g	EGWO	25,8	28,8	3	3,8	29,6
T94g	STWO	5	12	7	5	10
T94h	EGWO	22,44444444	27,33333333	4,888888889	2,777777778	25,22222222
T94h	STWO	6	11	5	4	10
T94i	EGWO	25,3125	27,8125	2,5	2,6875	28
T94i	STWO	9,333333333	12,5	3,166666667	1,666666667	11
T94j	EGWO	26	29,5	3,5	-2,25	23,75
T94j	STWO	5	6,333333333	1,333333333	1	6
T94k	EGWO	24,33333333	26,33333333	2	2	26,33333333
T94k	STWO	5	12	7	0,5	5,5
T94l	EGWO	32	37	5	1	33
T94m	STWO	5	5	0	0	5
T94n	STWO	6,666666667	6,333333333	-0,333333333	-1	5,666666667
T95a	STWO	5	5	0	0	5
T95b	EGWO					

T95c	EGWO	14	20	6	-1	13
T95c	STWO					
T96b	EGWO	24	24	0	-2	22
T96b	STWO	5	5	0	0	5
T96c	EGWO	25	29	4	2,666666667	27,66666667
T96c	STWO	8	6,333333333	-1,666666667	10	18
T96d	EGWO	19	25	6	9	28
T96d	STWO	6,3	6,1	-0,2	0,2	6,5
T96e	STWO	5,555555556	5,333333333	-0,222222222	0,777777778	6,333333333
T96f	EGWO	21,90909091	26,54545455	4,636363636	3,181818182	25,09090909
T96f	STWO	5,428571429	8,285714286	2,857142857	7	12,42857143
T96g	EGWO	26	30,5	4,5	2,357142857	28,35714286
T96g	STWO	8,25	7,25	-1	4,5	12,75
T97a	EGWO	24	26	2	2	26
T97a	STWO	5,111111111	5,333333333	0,222222222	-0,111111111	5
T97b	STWO	5	5,1	0,1	0	5
T97c	EGWO	24,6	28,25	3,65	0,75	25,35
T97c	STWO					
T97d	EGWO	21,53846154	25,38461538	3,846153846	1,846153846	23,38461538
T97d	STWO	5	5,142857143	0,142857143	0,714285714	5,714285714
T98a	EGWO	23,0625	26,625	3,5625	1,875	24,9375
T98a	STWO	18,2	19	0,8	4,8	23
T98b	EGWO	33	37	4	-9	24

First(Stadsdeel)	Gebruikscode	Mean(BSQ2021)	Mean(BSQ 2023 (MBM))	Mean(verschil_2021_MBM)	Mean(verschil_2021_M3E)	Mean(BSQ 2023 (M3E - punt 2 3 correctie))
A	EGWO	47,07763975	47,87888199	0,668769716	-4,305993691	43,06213018
A	STWO	41,67837079	38,36689655	-3,297752809	-3,424157303	38,15862069
B	EGWO					
B	STWO					
E	EGWO	48,06451613	48,64102564	0,483870968	0,935483871	48,63414634
E	STWO	38,59894921	36,41206897	-2,208406305	6,651488616	45,18793103
F	EGWO	32,332	35,64741036	3,33	3,986	36,30079681
F	STWO	15,91511936	15,54805195	-0,543766578	2,262599469	18,61794872
K	EGWO	48,46575342	48,49714286	-0,04109589	0,143835616	48,69724771
K	STWO	41,62048193	38,78414097	-3,027108434	3,596385542	45,39598278
M	EGWO	47,1441048	46,92664093	-0,292576419	0,912663755	47,85171103
M	STWO	35,18809981	33,35294118	-1,857965451	5,406909789	40,64895636
N	EGWO	35,14705882	37,85596708	2,693277311	4,547368421	39,61237113
N	STWO	20,12773723	19,01075269	-1,099264706	4,448529412	24,82624113
T	EGWO	23,9009901	28,02970297	4,128712871	2,747524752	26,64851485
T	STWO	6,616766467	6,959064327	0,353293413	1,598802395	8,16374269

Gebruikscode	verschil_2021_MBM [Binned]	Count(Geocode)
EGWO	8,95	22
EGWO	6,85	79
EGWO	4,75	405
EGWO	2,65	600
EGWO	0,55	657
EGWO	-1,55	120
EGWO	-3,65	16
EGWO	-5,75	2
EGWO		270
STWO	8,95	3
STWO	6,85	10
STWO	4,75	38
STWO	2,65	85
STWO	0,55	450
STWO	-1,55	1262
STWO	-3,65	1141
STWO	-5,75	235
STWO	-7,85	46
STWO	-9,95	14
STWO		139

Gebruikscode	verschil_2021_M3E [Binned]	Count(Geocode)
EGWO	13,5	2
EGWO	9,7	104
EGWO	5,9	462
EGWO	2,1	607
EGWO	-1,7	532
EGWO	-5,5	121
EGWO	-9,3	56
EGWO	-13,1	16
EGWO		271
STWO	21,1	8
STWO	17,3	19
STWO	13,5	147
STWO	9,7	598
STWO	5,9	592
STWO	2,1	687
STWO	-1,7	742
STWO	-5,5	323
STWO	-9,3	143
STWO	-13,1	25
STWO		139