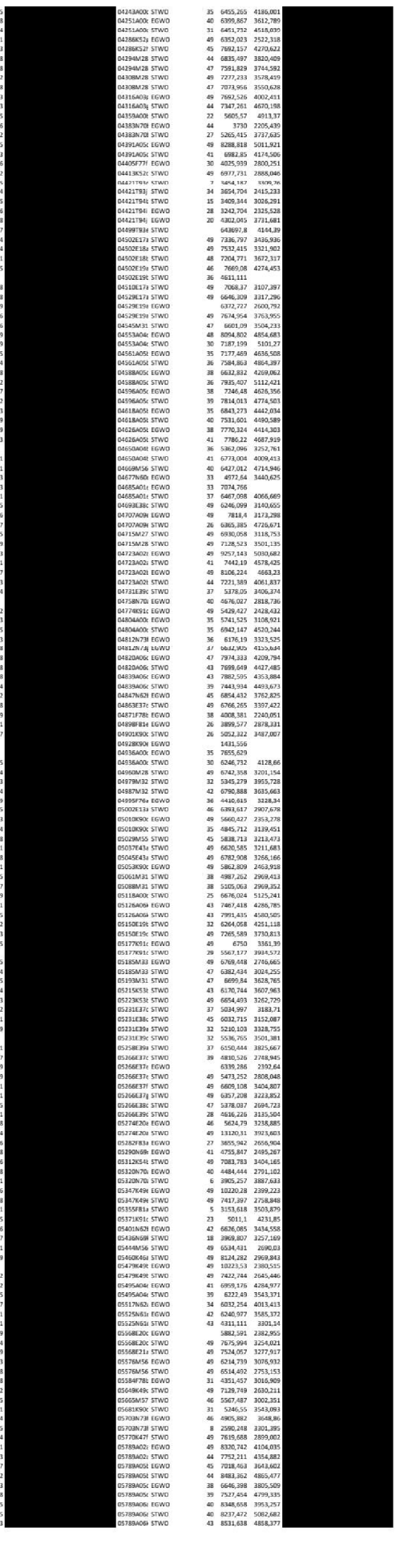
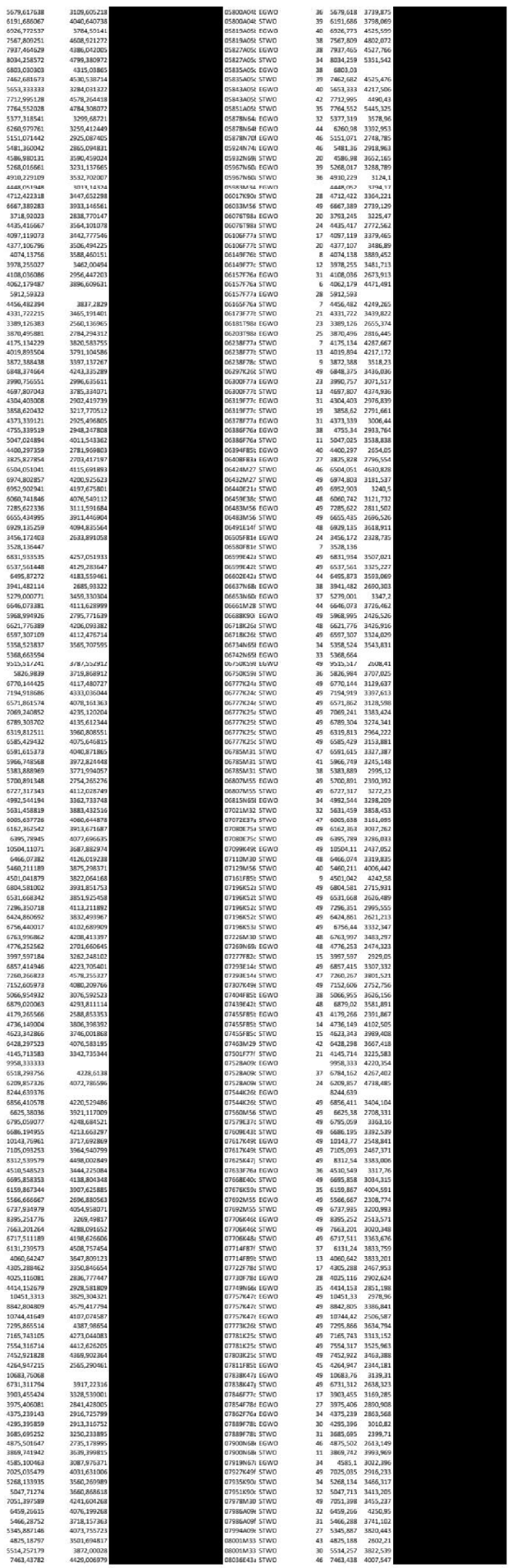
Gemiddelde WO2-	Gemiddelde oostaw	Unique concatenat	Unique concatenat	Geocode li	Gebruiksoc	BSQ 2023 (	Gemiddeld	Gemiddeld	Unique concatenat	Unique concatenat	Count[Hoo	FirstStadsv	FirstBuurt	Geocode	Gebruiksoc	BSQ2021	BSQ 2023 (	verschil 2(	verschil 2(	2C Gemiddeld	Gemiddeld	verschil 2(	verschi_2021_MJE [Binned]
8430,292783	4915,705938	[redacted]	[redacted]	00019A06	STWO	39	8430,293	5206,397	[redacted]	[redacted]	30	A	A06I	00019A06I	STWO	44	42	-2	-5	61,162.852	4,961.277	-3	-5.5
6538,364162	4205,356951	[redacted]	[redacted]	00027M31	STWO	46	6538,364	3457,925	[redacted]	[redacted]	354	M	M31b	00027M31	STWO	38	35	3	8	61,162.852	4,961.277	3	9.7
7647,894349	3937,46893	[redacted]	[redacted]	00035A06	EGWO	41	7647,894	4532,265	[redacted]	[redacted]	5	A	A06c	00035A06c	EGWO	47	49	2	-6	61,162.852	4,961.277	1	-5.5
7700,707749	4555,46864	[redacted]	[redacted]	00035A06	STWO	38	7700,708	4739,199	[redacted]	[redacted]	21	A	A06c	00035A06	STWO	43	39	-4	-5	61,162.852	4,961.277	-5	-5.5
7204,548775	4203,955504	[redacted]	[redacted]	00043M27	STWO	49	7204,549	3182,424	[redacted]	[redacted]	59	M	M27a	00043M27	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
8156,660731	4310,367708	[redacted]	[redacted]	00051A06	EGWO	45	8156,661	4280,092	[redacted]	[redacted]	3	A	A06k	00051A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7559,268666	4273,76034	[redacted]	[redacted]	00051A06	STWO	47	7559,269	3915,098	[redacted]	[redacted]	9	A	A06k	00051A06	STWO	45	42	-3	2	61,162.852	4,961.277	-3	2.1
7825,757576	4015,794238	[redacted]	[redacted]	00078A05	EGWO	49	7835,758	4648,663	[redacted]	[redacted]	1	A	A05d	00078A05	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7331,701346	4672,588005	[redacted]	[redacted]	00078A05	STWO	29	7331,701	5232,429	[redacted]	[redacted]	8	A	A05f	00078A05	STWO	38	36	-2	-9	61,162.852	4,961.277	-3	-9.3
7118,195312	4574,576483	[redacted]	[redacted]	00086M32	STWO	42	7118,195	3972,364	[redacted]	[redacted]	14	M	M32a	00086M32	STWO	37	36	-1	5	61,162.852	4,961.277	-1	5.9
5738,368266	4149,630056	[redacted]	[redacted]	00094A09	STWO	32	5738,368	3822,997	[redacted]	[redacted]	12	A	A09e	00094A09	STWO	32	27	-5	0	61,162.852	4,961.277	-5	-1.7
7124,626676	4218,586894	[redacted]	[redacted]	00108E20	STWO	49	7124,627	3173,842	[redacted]	[redacted]	96	E	E20a	00108E20	STWO	43	44	1	6	61,162.852	4,961.277	1	5.9
7493,236955	4297,781223	[redacted]	[redacted]	00108E20	STWO	49	7493,237	3681,027	[redacted]	[redacted]	67	E	E20b	00108E20	STWO	42	43	1	7	61,162.852	4,961.277	1	5.9
7570,588697	4197,66084	[redacted]	[redacted]	00108E22	STWO	49	7570,269	3915,098	[redacted]	[redacted]	16	E	E22a	00108E22	STWO	45	45	0	2	61,162.852	4,961.277	-3	2.1
6368,983986	4598,436701	[redacted]	[redacted]	00116N60	EGWO	36	6368,984	4110,125	[redacted]	[redacted]	7	N	N60a	00116N60	EGWO	27	29	2	9	61,162.852	4,961.277	1	9.7
8859,33962	4367,345394	[redacted]	[redacted]	00124A06	EGWO	43	8859,34	4940,125	[redacted]	[redacted]	3	A	A06I	00124A06I	EGWO	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7516,939804	4879,811929	[redacted]	[redacted]	00124A06	STWO	39	7516,94	5099,402	[redacted]	[redacted]	8	A	A06I	00124A06I	STWO	45	41	-4	-6	61,162.852	4,961.277	-5	-5.5
7319,625	4969,430345	[redacted]	[redacted]	00132A06	EGWO	40	7319,625	4576,949	[redacted]	[redacted]	3	A	A06a	00132A06	EGWO	47	48	1	-7	61,162.852	4,961.277	1	-5.5
8169,687274	4747,152302	[redacted]	[redacted]	00132A06	STWO	38	8169,687	5053,446	[redacted]	[redacted]	41	A	A06a	00132A06	STWO	44	41	-3	-6	61,162.852	4,961.277	-3	-5.5
6346,320346	[redacted]	[redacted]	[redacted]	00140E20	EGWO	46	6346,32	[redacted]	[redacted]	[redacted]	1	E	E20a	00140E20	EGWO	49	[redacted]	[redacted]	[redacted]	61,162.852	[redacted]	[redacted]	[redacted]
7668,00672	4350,631677	[redacted]	[redacted]	00140E20	STWO	49	7668,007	3599,296	[redacted]	[redacted]	182	E	E20a	00140E20	STWO	45	44	-1	4	61,162.852	4,961.277	-1	2.1
6293,025704	3059,854887	[redacted]	[redacted]	00140E20	EGWO	49	6293,026	3096,493	[redacted]	[redacted]	6	E	E20b	00140E20E	EGWO	[redacted]	[redacted]	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
7579,489452	4207,899659	[redacted]	[redacted]	00140E20	STWO	49	7579,489	3026,877	[redacted]	[redacted]	203	E	E20b	00140E20	STWO	46	44	-2	3	61,162.852	4,961.277	-3	2.1
5758,678458	2670,770199	[redacted]	[redacted]	00140E20	EGWO	[redacted]	5758,678	2374,511	[redacted]	[redacted]	2	E	E20c	00140E20C	EGWO	[redacted]	[redacted]	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
7463,216119	4281,437462	[redacted]	[redacted]	00140E20	STWO	49	7463,216	3135,874	[redacted]	[redacted]	171	E	E20c	00140E20	STWO	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7410,341814	4254,907235	[redacted]	[redacted]	00140F21	STWO	49	7410,342	3169,224	[redacted]	[redacted]	236	E	E21a	00140F21	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
6608,20042	4080,040343	[redacted]	[redacted]	00159E16	STWO	49	6608,2	3333,406	[redacted]	[redacted]	57	E	E16a	00159E16	STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6983,660685	4434,299658	[redacted]	[redacted]	00159E16	STWO	48	6983,661	3638,8	[redacted]	[redacted]	121	E	E16b	00159E16	STWO	38	36	-2	10	61,162.852	4,961.277	-3	9.7
6610,062893	3367,963854	[redacted]	[redacted]	00167K24	EGWO	48	6610,063	3804,962	[redacted]	[redacted]	1	K	K24c	00167K24	EGWO	[redacted]	[redacted]	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
7790,521633	4340,578122	[redacted]	[redacted]	00167K24	STWO	49	7790,522	3354,982	[redacted]	[redacted]	111	K	K24c	00167K24	STWO	47	44	-3	2	61,162.852	4,961.277	-3	2.1
7352,19298	4328,192404	[redacted]	[redacted]	00175K24	STWO	48	7352,193	3814,84	[redacted]	[redacted]	116	K	K24d	00175K24	STWO	43	41	-2	5	61,162.852	4,961.277	-3	5.9
7310,11546	4212,271778	[redacted]	[redacted]	00175K24	STWO	49	7310,115	3320,192	[redacted]	[redacted]	161	K	K24e	00175K24	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7938,238514	4575,264758	[redacted]	[redacted]	00183K24	STWO	49	7938,239	3594,658	[redacted]	[redacted]	198	K	K24d	00183K24	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7458,201722	4310,653602	[redacted]	[redacted]	00183K24	STWO	49	7458,202	3353,037	[redacted]	[redacted]	164	K	K24e	00183K24	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7479,134327	4746,499845	[redacted]	[redacted]	00191E14	STWO	49	7479,134	3897,919	[redacted]	[redacted]	4	E	E14d	00191E14	STWO	39	38	-1	10	61,162.852	4,961.277	-1	9.7
7846,995521	4551,666245	[redacted]	[redacted]	00191E14	STWO	49	7846,996	3750,02	[redacted]	[redacted]	49	E	E14e	00191E14	STWO	43	42	-1	6	61,162.852	4,961.277	-1	5.9
7893,238123	4682,237862	[redacted]	[redacted]	00191E14	STWO	49	7893,238	3974,767	[redacted]	[redacted]	40	E	E14f	00191E14	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7379,738509	4412,019647	[redacted]	[redacted]	00205E16	STWO	49	7379,739	3606,113	[redacted]	[redacted]	75	E	E16a	00205E16	STWO	42	38	-4	7	61,162.852	4,961.277	-5	5.9
7706,071286	3930,663567	[redacted]	[redacted]	00213A06	EGWO	40	7706,071	4519,552	[redacted]	[redacted]	7	A	A06g	00213A06	EGWO	46	46	0	-6	61,162.852	4,961.277	-1	-5.5
8164,384246	4923,211201	[redacted]	[redacted]	00213A06	STWO	36	8164,384	5521,799	[redacted]	[redacted]	33	A	A06g	00213A06	STWO	42	39	-3	4	61,162.852	4,961.277	-3	5.5
6217,3786	4438,546891	[redacted]	[redacted]	00221A09	STWO	27	6519,815	5050,16	[redacted]	[redacted]	4	A	A09e	00221A09	STWO	35	31	-4	8	61,162.852	4,961.277	-5	-9.3
7589,538966	3951,610071	[redacted]	[redacted]	00248A06	EGWO	45	7589,539	4404,739	[redacted]	[redacted]	5	A	A06c	00248A06	EGWO	49	48	-1	4	61,162.852	4,961.277	-1	-5.5
7751,631381	4644,043893	[redacted]	[redacted]	00248A06	STWO	37	7751,631	4944,178	[redacted]	[redacted]	22	A	A06c	00248A06	STWO	43	40	-3	-6	61,162.852	4,961.277	-3	-5.5
7541,498994	3816,440681	[redacted]	[redacted]	00256A09	EGWO	45	7541,499	4416,873	[redacted]	[redacted]	2	A	A06k	00256A09	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
8147,457732	4746,203707	[redacted]	[redacted]	00256A09	STWO	38	8147,458	5108,97	[redacted]	[redacted]	13	A	A06k	00256A09	STWO	45	42	-3	-7	61,162.852	4,961.277	-3	-5.5
7845,897348	3503,943374	[redacted]	[redacted]	00264A06	EGWO	45	7845,897	3755,012	[redacted]	[redacted]	5	A	A06g	00264A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7495,660431	4523,012746	[redacted]	[redacted]	00264A06	STWO	42	7495,66	4330,943	[redacted]	[redacted]	41	A	A06g	00264A06	STWO	43	39	-4	-5	61,162.852	4,961.277	-5	-1.7
7141,734066	4336,485894	[redacted]	[redacted]	00299E14	STWO	49	7141,734	3440,545	[redacted]	[redacted]	81	E	E14a	00299E14	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
7331,86374	4354,063302	[redacted]	[redacted]	00302M27	STWO	49	7331,864	3523,776	[redacted]	[redacted]	113	M	M27a	00302M27	STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9
5669,600426	3838,466419	[redacted]	[redacted]	00302M28	STWO	41	5669,6	3415,23	[redacted]	[redacted]	97	M	M28a	00302M28	STWO	35	32	-3	6	61,162.852	4,961.277	-3	5.9
6319,0845	4050,121797	[redacted]	[redacted]	00302M28	STWO	37	6319,085	4149,972	[redacted]	[redacted]	139	M	M28d	00302M28	STWO	35	34	-1	2	61,162.852	4,961.277	-1	2.1
7123,420914	4378,639	[redacted]	[redacted]	00310A06	STWO	44	7123,421	4101,334	[redacted]	[redacted]	16	A	A06h	00310A06	STWO	42	39	-3	2	61,162.852	4,961.277	-3	2.1
6177,899303	3932,499797	[redacted]	[redacted]	00329M55	STWO	35	6177,899	4008,43	[redacted]	[redacted]	24	M	M55b	00329M55	STWO	36	36	0	-1	61,162.852	4,961.277	-1	-1.7
8323,529412	4589,425564	[redacted]	[redacted]	00337A06	EGWO	45	8323,529	[redacted]	[redacted]	[redacted]	1	A	A06g	00337A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7812,245398	4629,441077	[redacted]	[redacted]	00337A06	STWO	44	7812,245	4411,833	[redacted]	[redacted]	10	A	A06g	00337A06	STWO	44	41	-3	0	61,162.852	4,961.277	-3	-1.7
6309,94152	3238,952187	[redacted]	[redacted]	00345K45	EGWO	46	6309,942	3709,81	[redacted]	[redacted]	1	K	K45a	00345K45	EGWO	47	48	1	-1	61,162.852	4,961.277	1	-1.7
7692,729364	4449,034801	[redacted]	[redacted]	00345K45	STWO	49	7692,729	3919,57	[redacted]	[redacted]	94	K	K45a	00345K45	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7490,809981	4429,55564	[redacted]	[redacted]	00353K24	STWO	49	7490,81	3567,575	[redacted]	[redacted]	41	K	K24e	00353K24	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7592,154938	3779,488911	[redacted]	[redacted]	00361A06	EGWO	43	7592,155	4394,471	[redacted]	[redacted]	4	A	A06I	00361A06	EGWO	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7916,765783	4653,304244	[redacted]	[redacted]	00361A06	STWO	40	7916,766	4776,113	[redacted]	[redacted]	29	A	A06I	00361A06	STWO	43	41	-2	3	61,162.852	4,961.277	-3	2.1
7251,467292	4307,191299	[redacted]	[redacted]	00388K24	STWO	49	7251,467	3834,216	[redacted]	[redacted]	44	K	K24b	00388K24	STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9
7584,660721	4435,435248	[redacted]	[redacted]	00388K24	STWO	49	7584,661	3535,717	[redacted]	[redacted]	93	K	K24e	00388K24	STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6696,983924	4291,101198	[redacted]	[redacted]	00396M29	STWO	38	6696,984	4329,615	[redacted]	[redacted]	148	M	M29a	00396M29	STWO	38	35	-3	0	61,162.852	4,961.277	-3	-1.7
5926,120383	4186,141979	[redacted]	[redacted]	00396M29	STWO	43	5926,12	3758,65	[redacted]	[redacted]	87	M	M29b	00396M29	STWO	39	37	-2	4	61,162.852	4,961.277	-3	2.1
6198,401105	4085,675319	[redacted]	[redacted]	00418N61	EGWO	42	6198,401	3561,261	[redacted]	[redacted]	24	N	N61c	00418N61	EGWO	35	34	-1	7	61,162.852	4,961.277	-1	5.9
6669,242699	3601,499826	[redacted]	[redacted]	00426A07	EGWO	49	6669,243	4271,758	[redacted]	[redacted]	7	A	A07e	00426A07	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
9886,671942	4508,231868	[redacted]	[redacted]	00426A07	STWO	31	9886,672	4779,442	[redacted]	[redacted]	117	A	A07e	00426A07	STWO	40	37	-3	-4	61,162.852	4,961.277	-3	-5.5
7313,526997	4360,229991	[redacted]	[redacted]	00434A07	STWO	49	7313,527	3625,574	[redacted]	[redacted]	20	A	A07f	00434A07	STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7901,250052	4130,07887	[redacted]	[redacted]	00450A06	EGWO	43	7901,25	4294,266	[redacted]	[redacted]	5	A	A06I	00450A06	EGWO	49	48	-1	-6	61,162.852	4,961.277	-1	-5.5
8076,785199	4773,618813	[redacted]	[redacted]	00450A06	STWO	39	8076,785	5212,4	[redacted]	[redacted]	28	A	A06I	00450A06	STWO	43	41	-2	-4	61,162.852	4,961.277	-3	-5.5
6525,588054	4142,455442	[redacted]	[redacted]	00469M31	STWO	45	6525,588	3466,252	[redacted]	[redacted]	221	M	M31b	00469M31	STWO	39	36	-3	6	61,162.852	4,961.277	-3	5.9
7787,211483	4059,299432	[redacted]	[redacted]	00477A06	EGWO	40	7787,211	4622,451	[redacted]	[redacted]	7	A	A06c	00477A06	EGWO	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7432,706311	4384,541486	[redacted]	[redacted]	00477A06	STWO	41	7432,706	4139,242	[redacted]	[redacted]	22	A	A06c	00477A06	STWO	44	40	-4	-3	61,162.852	4,961.277	-5	-1.7
4781,437126	[redacted]	[redacted]	[redacted]	00485M28	EGWO	[redacted]	4781,437	3068,109	[redacted]	[redacted]	1	M	M28a	00485M28	EGWO	[redacted]	[redacted]	[redacted]	[redacted]	61,162.852	[redacted]	[redacted]	[redacted]
6807,899241	4419,698288	[redacted]	[redacted]	00485M28	STWO	46	6807,899	3684,369	[redacted]	[redacted]	153	M	M28a	00485M28	STWO	35	35	0	11	61,162.852	4,961.277	-1	9.7
7027,010804	3694,199227	[redacted]	[redacted]	00493A06	EGWO	45	7027,011	4364,702	[redacted]	[redacted]	2	A	A06k	00493A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7973,03222	4673,186258	[redacted]	[redacted]	00493A06	STWO	37	7973,032	5038,621	[redacted]	[redacted]	21	A	A06k	00493A06	STWO	45	41	-4	-8	61,162.852	4,961.277	-5	-9.3
7866,202363	4324,137039	[redacted]	[redacted]	00507A05	STWO	47	7866,202	3465,802	[redacted]	[redacted]	15	A	A05d	00507A05	STWO	46	44	-2	1	61,162.852	4,961.277	-3	2.1
5415,631271	3995,624575	[redacted]	[redacted]	00515M32	STWO	32	5415,631	4311,249	[redacted]	[redacted]	14	M	M32a	00515M32	STWO	31	27	-4	1	61,162.852	4,961.277	-5	2.1
8907,803065	3641,525261	[redacted]	[redacted]	00531E20	EGWO	49	8907,802	3088,568	[redacted]	[redacted]	5	E	E20b	00531E20E	EGWO	[redacted]	[redacted]	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
7421,396056	4273,897173	[redacted]	[redacted]	00531E20	STWO	49	7421,396	3373,586	[redacted]	[redacted]	70	E	E20b	00531E20E	STWO	47	44	-3	2	61,162.852	4,961.277	-3	2.1
8111,909569	4312,352315	[redacted]	[redacted]	00531E22	STWO	49	8111,91	3107,537	[redacted]	[redacted]	19	E	E22a	00531E22A	STWO	[redacted]	45	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
7639,730018	4074,138812	[redacted]	[redacted]	00531E22	STWO	49	7639,73	2607,535	[redacted]	[redacted]	13	E	E22b	00531E22B	STWO	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6178,31861	4886,803176	[redacted]	[redacted]	00558N60	EGWO	39	6178,319	4232,354	[redacted]	[redacted]	6	N	N60a	00558N60	EGWO	32	34	2	7	61,162.852	4,961.277	1	5.9
8229,508197	4017,417876	[redacted]	[redacted]	00566A06	EGWO	43	8239,508	4785,452	[redacted]	[redacted]	1	A	A06I	00566A06	EGWO	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7938,618882	4571,218348	[redacted]	[redacted]	00566A06	STWO	41	7938,619	4722,277	[redacted]	[redacted]	26	A	A06I	00566A06	STWO	45	41	-4	-6	61,162.852	4,961.277	-5	-5.5
7905,869518	4075,173876	[redacted]	[redacted]	00574A06	EGWO	40	7905,87	4741,408	[redacted]	[redacted]	3	A	A06a	00574A06	EGWO	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7507,966131	4559,260386	[redacted]	[redacted]	00574A06	STWO	37	7507,966	4778,778	[redacted]	[redacted]	14	A	A06a	00574A06	STWO	43	39	-4	-6	61,162.852	4,961.277	-5	-5.5
6335,505037	3048,879339	[redacted]	[redacted]	00582E20	EGWO	46	6335,505	3426,361	[redacted]	[redacted]	3	E	E20a	00582E20	EGWO	[redacted]	49	[redacted]	[redacted]	61,162.852	4,961.277	[redacted]	[redacted]
8179,710223	4412,548161	[redacted]	[redacted]	00582E20	STWO	49	8179,71	3343,343	[redacted]	[redacted]	214	E	E20a	00582E20	STWO	48	46	-2	1	61,162.852	4,961.277	-3	2.1
7085,181	4309,254949	[redacted]	[redacted]	00590E16	STWO	49	7085,181	3447,555	[redacted]	[redacted]	82	E	E16b	00590E16	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
6831,270262	4029,999427	[redacted]	[redacted]	00590E16	STWO	45	6831,27	3426,023	[redacted]	[redacted]	68	E	E16c	00590E16	STWO	43	40	-3	2	61,162.852	4,961.277	-3	2.1
7421,873372	4412,772057	[redacted]	[redacted]	00604K24	STWO	48	7421,873	3353,835	[redacted]	[redacted]	195	K	K24b	00604K24	STWO	43	40	-3	5	61,162.852	4,961.277	-3	5.9
7480,655421	4261,028526	[redacted]	[redacted]	00612K24	STWO	49	7480,655	3341,324	[redacted]	[redacted]	260	K	K24a	00612K24	STWO	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7244,488161	4213,620786	[redacted]	[redacted]	00612K24	STWO	49	7244,488	3173,31	[redacted]	[redacted]	99	K	K24e	00612K24	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7662,583009	4351,987179	[redacted]	[redacted]	00620K24	STWO	49	7662,583	3345,511	[redacted]	[redacted]	154	K	K24a	00620K24	STWO	46	43	-3	3	61,162.852	4,961.277	-3	2.1
7382,766704	4243,693253	[redacted]	[redacted]	00620K24	STWO	49	7382,767	3203,938	[redacted]	[redacted]	122	K	K24e	00620K24	STWO	45	42	-3	3	61,162.852	4,961.277	-3	2.1
7369,129843	4426,097239	[redacted]	[redacted]	00647E14	STWO	49	7369,13	3606,874	[redacted]	[redacted]	20	E	E14e	00647E14	STWO	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7573,748131	4458,889777	[redacted]	[redacted]	00647E14	STWO	49	7573,748	3743,977	[redacted]	[redacted]	11	E	E14f	00647E14	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7394,342073	4240,489502	[redacted]	[redacted]	00655E18	STWO	49	7431,567	3312,142	[redacted]	[redacted]	77	E	E18a	00655E18	STWO	43	43	-3	3	61,162.852	4,961.277	-3	2.1
7648,06575	4498,348876	[redacted]	[redacted]	00655E18	STWO	49	7648,066	3732,981	[redacted]	[redacted]	14	E	E18b	00655E18	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7410,128159	4389,969424	[redacted]	[redacted]	00655E19	STWO	49	7410,128	3515,156	[redacted]	[redacted]	80	E	E19c	00655E19	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7452,583774	3611,748559	[redacted]	[redacted]	00663A06	EGWO	45	7452,584	3940,821	[redacted]	[redacted]	4	A	A06g	00663A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7737,7411	4660,674199	[redacted]	[redacted]	00663A06	STWO	36	7737,741	5037,868	[redacted]	[redacted]	32	A	A06g	00663A06	STWO	42	40	-2	-6	61,162.852	4,961.277	-3	-5.5
8970,29703	4308,583818	[redacted]	[redacted]	00671A09	EGWO	49	8970,297	5201,138	[redacted]	[redacted]	1	A	A09e	00671A09	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5519,608279	4234,010285	[redacted]	[redacted]	00671A09	STWO	25	5854,763	4434,6	[redacted]	[redacted]	5	A	A09e	00671A09	STWO	31	31	0	-6	61,162.852	4,961.277	-1	-5.5
8194,128849	3796,096767	[redacted]	[redacted]	00698A06	EGWO	49	8194,129	3583,545	[redacted]	[redacted]	7	A	A06c	00698A06	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7423,999145	4482,733613	[redacted]	[redacted]	00698A06	STWO	37	7423,999	4661,105	[redacted]	[redacted]	28	A	A06c	00698A06	STWO	43	39	-4	-6	61,162.852	4,961.277	-5	-5.5
8021,532456	4585,141537	[redacted]	[redacted]	00701A06	STWO	47	8021,532	4118,906	[redacted]	[redacted]	10	A	A06k	00701A06	STWO	45	43	-2	2	61,162.852	4,961.277	-3	2.1
7310,606061	3162,569583	[redacted]	[redacted]	00728A06	EGWO	45	7310,606	2644,834	[redacted]	[redacted]	1	A	A06g	00728A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7817,084415	4274,18128	[redacted]	[redacted]	00728A06	STWO	43	7817,084	4507,912	[redacted]	[redacted]	9	A	A06g	00728A06	STWO	45	43	-2	-2	61,162.852	4,961.277	-3	-1.7
6934,204083	4395,2857	[redacted]	[redacted]	00744A06	STWO	28	6934,204	4677,02	[redacted]	[redacted]	11	A	A06e	00744A06	STWO	38	35	-3	-10	61,162.852	4,961.277	-3	-9.3
8626,528262	4178,505286	[redacted]	[redacted]	00752E14	STWO	49	8626,528	3339,074	[redacted]	[redacted]	11	E	E14a	00752E14	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6967,794835	4056,522467	[redacted]	[redacted]	00752E14	STWO	46	6967,795	3829,874	[redacted]	[redacted]	9	E	E14b	00752E14	STWO	41	38	-3	5	61,162.852	4,961.277	-3	5.9
6389,349224	3157,011078	[redacted]	[redacted]	00760M28	EGWO	45	6389,349	3517,282	[redacted]	[redacted]	15	M	M28c	00760M28	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
6318,374139	3950,577815	[redacted]	[redacted]	00760M28	STWO	49	6318,374	3032,196	[redacted]	[redacted]	257	M	M28c	00760M28	STWO	38	37	-1	11	61,162.852	4,961.277	-1	9.7
7551,853255	4457,795604	[redacted]	[

6743,912467	4139,675882	[redacted]	01163K44c	STWD	49	6743,912	3287,779	[redacted]	17	K	K44c	01163K44c	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7		
6996,751428	4292,394363		01163K44c	STWD	49	6996,751	3445,319		8	K	K44d	01163K44c	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9		
6582,786839	4134,25765		01171K44c	STWD	49	6582,787	3254,932		193	K	K44c	01171K44c	STWD	38	37	1	11	61,162.852	4,961.277	1	9.7		
6645,792451	4207,924595		01171K44c	STWD	49	6645,792	3369,499		175	K	K44d	01171K44c	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7		
6481,848688	3580,715507		01198N72i	EGWD	42	6481,849	3023,193		2	N	N72a	01198N72i	EGWD	36	40	4	6	61,162.852	4,961.277	3	5.9		
4747,831633	3221,279931		01201N65c	EGWD	31	4747,832	3265,485		14	N	N65c	01201N65c	EGWD	30	32	2	1	61,162.852	4,961.277	1	2.1		
4350,582892	3043,247572		01228F77a	EGWD	29	4350,583	3106,477		18	F	F77a	01228F77a	EGWD	24	30	6	5	61,162.852	4,961.277	5	5.9		
6784,205816	4108,075336		01236K44c	STWD	49	6784,206	3219,232		83	K	K44c	01236K44c	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7		
4222,222222	2916,147689		01244T92g	EGWD		4222,222	3628,61		1	T	T92g	01244T92g	EGWD					61,162.852	4,961.277				
4681,354381	3223,582833		01295N65c	EGWD	32	4681,354	3186,11		59	N	N65c	01295N65c	EGWD	29	31	2	3	61,162.852	4,961.277	1	2.1		
4526,993105	3915,495683		01295N65c	STWD	18	4526,993	3447,708		13	N	N65c	01295N65c	STWD	17	13	-4	1	61,162.852	4,961.277	-5	2.1		
7017,74601	4193,643062		01317K48f	STWD	49	7017,746	3313,054		192	K	K48f	01317K48f	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9		
7517,211868	3464,115543		01325A07f	EGWD	49	7517,212	3915,816		2	A	A07h	01325A07f	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
5838,763154	3930,749469		01325A07f	STWD	49	5838,763	2764,782		4	A	A07h	01325A07f	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1		
7031,825888	3792,416127		01333N73f	EGWD	42	7031,826	3211,207		7	N	N73h	01333N73f	EGWD	43	45	2	-1	61,162.852	4,961.277	1	-1.7		
5152,55748	3838,758505		01333N73f	STWD	13	5152,557	2642,433		4	N	N73h	01333N73f	STWD	9	8	-1	4	61,162.852	4,961.277	-1	2.1		
9334,709755	4288,594543		01341A07g	EGWD	49	9334,71	4181,88		8	A	A07g	01341A07g	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
8732,57971	4753,145637		01341A07i	STWD	40	8732,58	5258,741		24	A	A07g	01341A07i	STWD	47	44	-3	-7	61,162.852	4,961.277	-3	-5.5		
9957,958678	4859,020097		01341A07i	EGWD	49	9957,958	4318,85		7	A	A07h	01341A07i	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
7532,830418	4885,805309		01341A07f	STWD	49	7532,83	4480,664		7	A	A07h	01341A07f	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1		
7023,862431	3725,041649		01368N73f	EGWD	47	7023,862	3657,67		13	N	N73h	01368N73f	EGWD	44	48	4	3	61,162.852	4,961.277	3	2.1		
4542,097543	3058,57664		01376F89i	EGWD	31	4542,098	3112,711		33	F	F89h	01376F89i	EGWD	30	33	3	1	61,162.852	4,961.277	1	2.1		
4153,881455	2704,109221		01392N61f	EGWD	41	4286,953	2520,21		7	N	N61b	01392N61f	EGWD	36	38	2	5	61,162.852	4,961.277	1	5.9		
10599,20739	4914,787663		01392N61f	STWD	40	10599,21	3668,642		140	N	N61b	01392N61f	STWD	27	25	-2	13	61,162.852	4,961.277	-3	13.5		
5678,62745	3937,533372		01392N61c	STWD	42	5678,627	3290,557		8	N	N61c	01392N61c	STWD	32	31	-1	10	61,162.852	4,961.277	-1	9.7		
5581,560397	3788,2625		01430E37c	STWD	44	5584,6	2825,862		329	E	E37c	01430E37c	STWD	33	31	-2	11	61,162.852	4,961.277	-3	9.7		
5976,566806	3864,407867		01430E37e	STWD	49	5988,323	2858,212		92	E	E37d	01430E37e	STWD	39	36	-3	10	61,162.852	4,961.277	-3	9.7		
5667,319362	3781,058244		01430E37f	STWD	49	5683,184	2704,815		246	E	E37e	01430E37f	STWD	36	33	-3	13	61,162.852	4,961.277	-3	13.5		
5676,534296	3830,406234		01430E37f	STWD	49	5685,227	2834,988		263	E	E37f	01430E37f	STWD	35	34	-1	14	61,162.852	4,961.277	-1	13.5		
6093,549241	4041,086432		01430E37d	STWD	49	6093,549	3046,559		115	E	E37g	01430E37d	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5		
6577,435799	4098,049174		01430E40i	STWD	49	6577,436	3067,458		20	E	E40a	01430E40i	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7		
6118,510934	3914,874779		01430E40f	STWD	49	6133,993	2740,747		226	E	E40b	01430E40f	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7		
5965,668919	3809,101351		01430E40c	STWD	49	5970,518	2612,107		149	E	E40c	01430E40c	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7		
5765,866583	3805,081527		01430E75d	STWD	49	5765,867	2926,5		108	E	E75a	01430E75d	STWD	35	34	-1	14	61,162.852	4,961.277	-1	13.5		
6748,88687	4240,654216		01457E40c	STWD	49	6748,887	3246,623		59	E	E40c	01457E40c	STWD	39	37	-2	8	61,162.852	4,961.277	-3	5.9		
6973,797272	4180,570232		01457E41e	STWD	49	6973,797	3242,199		82	E	E41a	01457E41e	STWD	40	40	0	9	61,162.852	4,961.277	-1	9.7		
6725,223651	4268,439216		01457E42a	STWD	47	6725,224	3543,146		120	E	E42a	01457E42e	STWD	40	39	-1	7	61,162.852	4,961.277	-1	5.9		
6962,4555	4154,821715		01457E42E	STWD	49	6962,456	3382,368		141	E	E42b	01457E42E	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7		
7143,528269	4325,529521		01457E75E	STWD	49	7143,528	3640,07		94	E	E75b	01457E75E	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7		
11020,25071	5181,085102		01457E75c	STWD	49	11020,25	4104,282		175	E	E75d	01457E75c	STWD	38	38	0	11	61,162.852	4,961.277	-1	9.7		
4345,24821	3801,953699		01481F85c	STWD	8	4345,248	4215,012		36	F	F85c	01481F85c	STWD	12	12	0	-4	61,162.852	4,961.277	-1	-5.5		
4142,580359	2855,111147		01503N66c	EGWD	32	4142,589	2751,308		14	N	N66d	01503N66c	EGWD	32	31	-1	0	61,162.852	4,961.277	-1	-1.7		
7118,574884	4296,163209		01511E40a	STWD	49	7118,575	3355,034		29	E	E40a	01511E40a	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9		
6471,602934	4053,609339		01570M30	STWD	48	6471,603	3218,963		76	M	M30a	01570M30	STWD	38	37	-2	9	61,162.852	4,961.277	-3	9.7		
7076,548405	4199,86722		01589K48f	STWD	49	7076,548	3295,493		134	K	K48f	01589K48f	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9		
6488,888889	3231,728183		01597E18a	EGWD	49	6488,889	3615,863		1	E	E18a	01597E18a	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
7155,694087	4340,770284		01597E18a	STWD	49	7155,693	3570,199		59	E	E18a	01597E18a	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9		
5374,154423	3964,951057		01600E39c	STWD	27	5374,154	3968,976		109	E	E39d	01600E39c	STWD	29	26	-3	-2	61,162.852	4,961.277	-3	-1.7		
4809,91828	2608,082887		01627F88j	EGWD	30	4809,918	2678,421		5	F	F88j	01627F88j	EGWD	27	30	3	3	61,162.852	4,961.277	3	2.1		
5940,527671	4517,499163		01627F88j	STWD	21	5940,528	4740,765		20	F	F88j	01627F88j	STWD	21	22	1	0	61,162.852	4,961.277	1	-1.7		
2932,20339	2462,050035		01635F88j	EGWD	30	2932,203	2548,78		1	F	F88j	01635F88j	EGWD	27	30	3	3	61,162.852	4,961.277	3	2.1		
4062,952963	2577,213134		01651F83a	EGWD	36	4062,963	2584,499		9	F	F83a	01651F83a	EGWD	34	36	2	2	61,162.852	4,961.277	1	2.1		
3281,243403	3646,551301		01651F83a	STWD	5	3281,243	3672,455		221	F	F83a	01651F83a	STWD	7	5	-2	-2	61,162.852	4,961.277	-3	-1.7		
6866,195771	3617,250124		01678M57	EGWD	49	6866,196	3206,337		14	M	M57a	01678M57	EGWD	41	43	2	8	61,162.852	4,961.277	1	9.7		
5823,444949	4153,086554		01678M57	STWD	42	5823,445	3355,882		26	M	M57a	01678M57	STWD	31	29	-2	11	61,162.852	4,961.277	-3	9.7		
7341,03068	4064,420602		01716A06c	EGWD	45	7341,031	4400,614		2	A	A06c	01716A06c	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5		
7585,546575	5077,207527		01716A06c	STWD	36	7585,547	5572,72		18	A	A06c	01716A06c	STWD	41	39	-2	-5	61,162.852	4,961.277	-3	-5.5		
4359,261012	2599,681612		01724F78d	EGWD	35	4359,261	2538,842		18	F	F78d	01724F78d	EGWD	33	36	3	2	61,162.852	4,961.277	3	2.1		
4158,279205	3358,258538		01724F78d	STWD	22	4158,279	3167,79		36	F	F78d	01724F78d	STWD	19	19	0	3	61,162.852	4,961.277	-1	2.1		
7892,056123	4309,908891		01732E20a	STWD	49	7892,056	3122,88		57	E	E20a	01732E20a	STWD	49	44	-5	8	61,162.852	4,961.277	-5	-1.7		
7577,804608	4542,517006		01740K24c	STWD	49	7577,805	3659,334		307	K	K24d	01740K24c	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9		
7405,784904	6412,75381		01740K24i	STWD	49	7405,785	3638,227		582	K	K24e	01740K24i	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7		
11678,67036			01759K49c	EGWD	49	11678,67	3046,064		1	K	K49c	01759K49c	EGWD					61,162.852					
7090,784654			01759K49c	STWD		7090,785	2589,798		2	K	K49c	01759K49c	STWD					61,162.852					
7114,883087	4259,307258		01783K44i	STWD	49	7114,883	3391,925		50	K	K44a	01783K44i	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9		
6859,101917	4204,30602		01783K44i	STWD	49	6859,102	3294,503		15	K	K44b	01783K44i	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7		
4142,471538	3014,084528		01848F77f	EGWD	28	4142,472	3114,089		14	F	F77f	01848F77f	EGWD	24	28	4	4	61,162.852	4,961.277	3	2.1		
9740,189498	5162,03038		01848K54c	STWD	49	9740,189	4296,849		129	K	K54d	01848K54c	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7		
10891,56397	3733,186031		01864K49c	EGWD	49	10891,56	2494,01		8	K	K49d	01864K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
7335,805838	4052,595178		01864K49c	STWD	49	7335,806	2557,892		22	K	K49d	01864K49c	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7		
10398,17177	3688,559214		01864K49e	STWD	49	10398,17	2398,485		2	K	K49e	01864K49e	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
7009,55211	4024,158264		01864K49c	STWD	49	7009,552	2572,271		41	K	K49e	01864K49c	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7		
5211,309524	3746,321531		01880N65i	EGWD	32	5211,31	3568,548		6	N	N65b	01880N65i	EGWD	25	28	3	7	61,162.852	4,961.277	3	5.9		
5116,541807	3674,645996		01899N65i	EGWD	31	5116,942	3515,544		14	N	N65b	01899N65i	EGWD	24	28	4	7	61,162.852	4,961.277	3	5.9		
5880,534808	2747,174913		01910K91c	EGWD	49	5880,535	2459,437		21	K	K91c	01910K91c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
9611,380785	4049,198972		01937K47c	EGWD	49	9611,381	3572,918		11	K	K47c	01937K47c	EGWD		49			61,162.852	4,961.277				
8051,595788	4243,809724		01937K47c	STWD		8051,596	2841,52		71	K	K47c	01937K47c	STWD					61,162.852	4,961.277				
9112,5	4996,657499		01945A08i	EGWD		9112,5	5761,31		1	A	A08e	01945A08i	EGWD					61,162.852	4,961.277				
7369,594555	4443,5237		01945A08c	STWD	38	7369,595	4589,859		36	A	A08e	01945A08c	STWD	42	40	-2	-4	61,162.852	4,961.277	-3	-5.5		
7041,433588	4061,058719		01945A09f	STWD	45	7041,434	3439,25		30	A	A09h	01945A09f	STWD	44	40	-4	1	61,162.852	4,961.277	-5	2.1		
5618,677043			01953A08i	EGWD		5618,677	3627,188		1	A	A08e	01953A08i	EGWD					61,162.852					
7524,624246	4405,193876		01953A08e	STWD	41	7524,624	4437,933		18	A	A08e	01953A08e	STWD	40	41	1	1	61,162.852	4,961.277	1	2.1		
7061,013551	4452,87633		01961A08e	STWD	32	7061,014	4788,828		30	A	A08e	01961A08e	STWD	38	37	-1	-6	61,162.852	4,961.277	-1	-5.5		
4689,391384	3362,33354		02003N65i	EGWD	33	4689,391	3442,869		4	N	N65b	02003N65i	EGWD	28	32	4	5	61,162.852	4,961.277	3	5.9		
4232,190291	3758,186298		02011N68i	STWD	6	4232,19	4242,005		164	N	N68c	02011N68i	STWD	11	11	0	-5	61,162.852	4,961.277	-1	-5.5		
6956,126392	4115,487617		02038E37a	STWD	49	6956,126	3100,986		40	E	E37a	02038E37a	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9		
4386,045012	3359,615841		02046F86k	STWD	29	4386,047	3048,789		5	F	F86k	02046F86k	STWD	24	23	-1	0	61,162.852	4,961.277	-1	-1.7		
4622,159076	2677,905189		02062F85E	EGWD	45	4622,159	2523,474		17	F	F85b	02062F85E	EGWD	39	42	3	6	61,162.852	4,961.277	3	5.9		
6710,617278	4113,679943		02070E16e	STWD	49	6710,617	3177,664		60	E	E16a	02070E16e	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7		
4497,371292	2982,166058		02089N65c	EGWD	33	4497,371	2996,821		14	N	N65c	02089N65c	EGWD	30	33	3	3	61,162.852	4,961.277	3	2.1		
4730,902256	4002,25251		02089N65c	STWD	18	4730,902	3545,824		20	N	N65c	02089N65c	STWD	20	15	-5	-2	61,162.852	4,961.277	-5	-1.7		
7282,589092	4318,526661		02097K48f	STWD	49	7282,589	3479,254		205	K	K48f	02097K48f	STWD	45	41	-4	4	61,162.852	4,961.277	-5	2.1		
46114,00604	13189,11486		02100M31	STWD	38	46114,01	8913,556		59	M	M31c	02100M31	STWD	29	25	-4	9	61,162.852	10,706.821	-5	9.7		
5082,243901	3627,494246		02119M31	STWD	38	5082,244	3433,612		30	M	M31c	02119M31	STWD	30	27	-3	8	61,162.852	4,961.277	-3	9.7		
50532,8572	12799,08662		02127N63i	EGWD	42	50532,86	9742,041		26	N	N63a	02127N63i	EGWD	33	38	5	9	61,162.852	10,706.821	5	9.7		
3425,721419	2591,515188		02135N69i	EGWD	31	3425,721	2365,26		57	N	N69m	02135N69i	EGWD	21	25	4	10	61,162.852	4,961.277	3	9.7		
3757,434822	3231,900193		02135N69i	STWD	14	3757,435	3219,099		312	N	N69m	02135N69i	STWD	18	11	-7	-4	61,162.852	4,961.277	-7	-5.5		
4567,657511	2885,791452		02151N67i	EGWD	39	4567,658	2879,353		27	N	N67a	02151N67i	EGWD	37	40	3	2	61,162.852	4,961.277	3	2.1		
6648,148148	2895,175949		02178M56	EGWD	49	6648,148	2410,191		1	M	M56c	02178M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
6469,291283	3956,178857		02178M56	STWD	49	6469,291	3231,233		11	M	M56c	02178M56	STWD	41	36	-5	-5	61,162.852	4,961.277	-5	9.7		
8961,306969	3738,529063		02186A03c	EGWD	49	8961,307	3681,136		11	A	A03d	02186A03c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
8465,683415	4584,052285		02186A03c	STWD	48	8465,683	4082,528		58	A	A03d	02186A03c	STWD	49	46	-3	-1	61,162.852	4,961.277	-3	-1.7		
8368,682804	4613,550486		02186A03e	STWD	48	8368,683	4320,953		101	A	A03e	02186A03e	STWD	48	45	-3	0	61,162.852	4,961.277	-3	-1.7		
7846,519341	4582,79279		02186A03f	STWD	39	7846,519	4806,45		45	A	A03f	02186A03f	STWD	46	41	-5	-7	61,162.852	4,961.277	-5	-5.5		
7303,703704	3724,052546		02186A04i	EGWD	44	7303,704	4349,765		1	A	A04i	02186A04i	EGWD	48	49	1	-4	61,162.852	4,961.277	1	-5.5		
8338,4278	4845,868131		02186A04i	STWD	37	8338,428	5255,439		23	A	A04i	02186A04i	STWD	46	42	-4	-9	61,162.852	4,961.277	-5	-9.3		
8602,863334	4755,88118		02186A07g	STWD	48	8602,863	4916,076		33	A	A07g	02186A07g	STWD	48	45	-3	0	61,162.852	4,961.277	-3	-1.7		
8856,25	3529,261513		02186A07f	EGWD	49	8856,25	3632,863		2	A	A07h	02186A07f	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
8590,038997	4736,990379		02186A07f	STWD	44	8590,039	4853,283		19	A	A07h	02186A07f	STWD	48	45	-3	-4	61,162.852	4,961.277	-3	-5.5		
6387,106063			02186A08i	EGWD	46	6387,106	3362,446		5	A	A08a	02186A08i	EGWD	49	49	0	-3	61,162.852		-1	-1.7		
7770,29738	4461,220163		02186A08i	STWD	41	7770,297	4592,321		82	A	A08a	02186A08i	STWD	44	43	-1	-3	61,162.852	4,961.277	-1	-1.7		
7842,881944	4406,658699		02186A08f	STWD	46	7842,882	4023,714		53	A	A08b	02186A08f	STWD	46	44	-2	0	61,162.852	4,961.277	-3	-1.7		
5963,333333			02194K24c	EGWD	46	5963,333	3164,09		1	K	K24a	02194K24c	EGWD	49	49	0	3	61,162.852		-1	-1.7		
8961,378933	4048,870825		02194K24c	STWD	49	8961,379	3772,477		71	K	K24a	02194K24c	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1		
6116,12754	4307,814362		02194K25d	STWD	44	6116,128	3843,289		204	K	K25a	02194K25d	STWD	37	33	-4	7	61,162.852	4,961.277	-5	5.9		
6269,12656	3808,769623		02194K26d	EGWD	49	6269,127	4271,328		4	K	K26a	02194K26d	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
6489,247695	3963,353601		02194K26d	STWD	49	6501,801	2935,041		44	K	K26a	02194K26d	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7		
6133,60736	3795,797485		02194K53c	STWD	49	6143,566	2701,9		67	K	K53b	02194K53c	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7		
6336,584189	3886,854308		02194K54d	STWD	49	6396,715	2785,261		61	K	K54a	02194K54d	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7		
7308,894685	4065,618926		02216K52c	STWD	49	7308,895	3403,609		113	K	K52a	02216K52c	STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1		
7326,511611	4054,479237		02216K52i	STWD	49	7326,512	2873,738		90	K	K52b	02216K52i	STWD	47	44	-3	2	61,162.852	4,961.277	-3	2.1		
7025,785329	4222,895503		02216K53a	STWD	49	7025,785	3518,449		182	K	K53a	02216K53a	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9		
6718,703813	4071,158605		02216K53i	STWD	49	6718,704	3237,657		76	K	K53b	02216K53i	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7		
7704,918033	3908,865197		02224A03e	EGWD		7704,918	4459,948		1	A	A03e	02224A03e	EGWD					61,162.852	4,961.277				
7869,433312	4547,852717		02224A03e	STWD	42	7869,433	4612,936		10	A	A03e	02224A03e	STWD	44	41	-3	-2	61,162.852	4,961.277	-3	-1.7		
7628,43518	4277,344921		02232E21E	STWD	49	7628,435	3158,111		30	E	E21b	02232E21E	STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1		
5523,792477	3065,947254		02232K23c	EGWD	44	5523,792	3079,088		5	K	K23c	02232K23c	EGWD		45			61,162.852	4,961.277				
5164,868953	3702,925638		02232K23c	STWD	26	5164,869	3779,68		30	K	K23c	02232K23c	STWD	38	28	-10	-12	61,162.852	4,961.277	-9	-13.1		
7307,557511	4321,395216		02232K45c	STWD	49	7307,558	3716,201		194	K	K45a	02232K45c	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9		
7603,063922	3563,614146		02232K45E	EGWD	49	7603,064	3155,693		6	K	K45b	02232K45E	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
6528,859895	3963,894726		02232K45E	STWD	49	6528,86	2939,521		31	K	K45b	02232K45E	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7		
7361,867704			02232K46E	EGWD		7361,868	2311,636		1	K	K46b	02232K46E	EGWD					61,162.852					
7746,89346	4288,025908		02232K46E	STWD	49	7746,893	3025,025		33	K	K46b	02232K46E	STWD	48	46	-2	1	61,162.852	4,961.277	-3	2.1		
7379,281099	4215,120975		02232K46c	STWD	49	7379,281	3103,088		90	K	K46c	02232K46c	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1		
6575,012044	4090,046863		02232K48d	STWD	49	6575,012	3198,063		12	K	K48a	02232K48d	STWD	43	38	-5	6	61,162.852	4,961.277	-5	5.9		
6372,460659	4034,007838		02232K48c	STWD	47	6372,461	3166,447		35	K	K48d	02232K48c	STWD	41	36	-5	6	61,162.852	4,961.277	-5	5.9		
5849,111854	3000,10017		02232K90c	EGWD	49	5849,112	2701,959		122	K	K90d	02232K90c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
5961,256548	3877,177057		02232K90c	STWD	40	5961,257	2777,968		41	K	K90d	02232K90c	STWD	35	33	-2	5	61,162.852	4,961.277	-3	5.9		
6447,614149	3018,409981		02232K90i	EGWD	49	6447,148	2743,856		19	K	K90i	02232K90i	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7		
6504,237318	4107,386977		02232K90i	STWD	43	6504,237	2953,612		50	K	K90i	02232K90i	STWD	42	38	-4	1	61,162.852	4,961.277	-5	2.1		
7963,369963	3784,092545		02232K90j	EGWD		7963,37	3524,925		3	K	K90j	02232K90j	EGWD					61,162.852	4,961.277				
8272,492482	3631,505996		02240A03c	EG

4569,237205	3180,113151	[redacted]	02518N65I EGWD	31	4569,337	3156,54	[redacted]	11	N	N65b	02518N65I EGWD	28	30	2	3	61,162.852	4,961.277	1	2.1
10273,86135	3782,497547		02526K49c EGWD	49	10273,86	2540,286		5	K	K49c	02526K49c EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7369,045286	4068,200603		02526K45c STWD	45	7369,045	2625,495		24	K	K45c	02526K45c STWD	45	46	3	0	61,162.852	4,961.277	3	1.7
3910,174881	2925,598255		02542F89I EGWD	27	3910,175	3029,735		34	F	F89b	02542F89I EGWD	28	28	0	-1	61,162.852	4,961.277	-1	-1.7
7067,196145	4238,106149		02550E43E STWD	49	7067,196	3421,403		151	E	E43b	02550E43E STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
4045,045045	2962,435719		02568F88G EGWD	27	4045,045	3042,445		30	F	F88b	02568F88G EGWD	29	28	-1	-2	61,162.852	4,961.277	-1	-1.7
5255,579869	3271,932953		02577F76a EGWD	33	5255,58	3285,932		8	F	F76a	02577F76a EGWD	32	37	5	1	61,162.852	4,961.277	5	2.1
9951,729323	3869,658227		02585K59I EGWD	49	9951,729	2737,735		4	K	K59a	02585K59I EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5776,875185	3698,396183		02585K59I STWD	36	5776,875	3678,169		19	K	K59a	02585K59I STWD	39	36	-3	-3	61,162.852	4,961.277	-3	-1.7
6882,335463	4052,452351		02607E36a STWD	49	6882,335	3974,106		37	E	E16a	02607E36a STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
3909,840569	2783,732439		02615F77c EGWD	27	3909,85	2848,488		24	F	F77c	02615F77c EGWD	28	29	1	-1	61,162.852	4,961.277	1	-1.7
3857,350354	3511,828264		02615F77c STWD	11	3857,35	3713,125		139	F	F77c	02615F77c STWD	9	10	1	2	61,162.852	4,961.277	1	2.1
4063,353473	2911,466681		02623F78E EGWD	27	4063,353	2976,093		48	F	F78d	02623F78E EGWD	24	28	4	3	61,162.852	4,961.277	3	2.1
11748,97464			02631K49E EGWD	49	11748,97	3108,362		4	K	K49a	02631K49I EGWD		49			61,162.852			
1217G,2326	4133,202743		02631K49I EGWD	49	1217G,23	2737,553		28	K	K49b	02631K49I EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7216,670173	4034,04658		02631K49I STWD	49	7216,67	2614,601		76	K	K49b	02631K49I STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
10463,37769			02631K49c EGWD	49	10463,38	3087,108		2	K	K49c	02631K49c EGWD					61,162.852			
9634,320911			02631K49c EGWD	49	9634,321	2351,021		4	K	K49d	02631K49c EGWD	49	49	0	0	61,162.852		-1	-1.7
6948,791713	3986,373431		02631K49c STWD	49	6948,792	2625,693		73	K	K49d	02631K49c STWD	48	41	-7	1	61,162.852	4,961.277	-7	2.1
5581,233213	3827,367943		02666M56 STWD	45	5581,233	3089,532		45	M	M56c	02666M56 STWD	34	36	2	11	61,162.852	4,961.277	1	9.7
5006,598669	3176,653317		02674N67i EGWD	37	5006,599	3118,582		12	N	N67a	02674N67i EGWD	33	37	4	4	61,162.852	4,961.277	3	2.1
5516,528926	2603,93547		02704M56 EGWD	49	5516,529	2364,768		1	M	M56b	02704M56 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6702,271246	3935,242076		02704M56 STWD	49	6702,271	2722,558		20	M	M56b	02704M56 STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6513,300213	3894,299927		02704M56 STWD	49	6513,3	2763,523		56	M	M56c	02704M56 STWD	40	36	-4	9	61,162.852	4,961.277	-5	9.7
15995,5037	6304,7823		02712M56 STWD	49	15995,5	4586,195		85	M	M56c	02712M56 STWD	39	39	0	10	61,162.852	4,961.277	-1	9.7
7669,215312	3660,583802		02720M56 EGWD	49	7669,215	3856,138		27	M	M56b	02720M56 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6607,233472	3912,501499		02720M56 STWD	49	6607,233	2727,761		93	M	M56b	02720M56 STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
8108,847198	4683,619065		02739K91c EGWD	49	8108,847	3044,745		5	K	K91c	02739K91c EGWD	48	47	-1	1	61,162.852	4,961.277	-1	2.1
4110,305995	3844,78214		02747F76E STWD	5	4110,306	4293,68		48	F	F76b	02747F76E STWD	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
6910,889846	3083,644383		02755K90i EGWD	49	6910,89	2714,84		17	K	K90a	02755K90i EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5177,203183	3653,038182		02755K90i STWD	33	5177,203	3434,782		170	K	K90a	02755K90i STWD	34	29	-5	-1	61,162.852	4,961.277	-5	-1.7
5358,226804	2637,458399		02755K90i EGWD	49	5358,227	2500,104		4	K	K90i	02755K90i EGWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
6013,403361	3848,058534		02755K90i STWD	44	6013,403	3339,047		56	K	K90i	02755K90i STWD	37	36	-1	7	61,162.852	4,961.277	-1	5.9
4693,604394	3517,55632		02755K91E STWD	33	4693,604	3158,521		125	K	K91b	02755K91E STWD	33	28	-5	0	61,162.852	4,961.277	-5	-1.7
6864,443616	4147,555441		02798K48F STWD	49	6864,444	3274,444		205	K	K48F	02798K48F STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
5633,345007	3698,405394		02801N65I EGWD	34	5633,345	3695,111		18	N	N65b	02801N65I EGWD	28	34	6	6	61,162.852	4,961.277	5	5.9
4519,707207	3091,646433		02828F89E EGWD	30	4519,707	3131,924		24	F	F89b	02828F89E EGWD	28	31	3	2	61,162.852	4,961.277	3	2.1
4779,922907	3994,279272		02828F89E STWD	13	4779,923	4347,54		23	F	F89b	02828F89E STWD	18	16	-2	-5	61,162.852	4,961.277	-3	-5.5
4430,965583	2997,401757		02879F77f EGWD	33	4568,212	2921,614		14	F	F77f	02879F77f EGWD	25	31	6	8	61,162.852	4,961.277	5	9.7
4408,903891	2840,17324		02895F76a EGWD	36	4428,708	2720,01		40	F	F76a	02895F76a EGWD	32	35	3	4	61,162.852	4,961.277	3	2.1
4381,240188	2943,505163		02917F77a EGWD	30	4381,24	3048,386		10	F	F77a	02917F77a EGWD	27	33	6	3	61,162.852	4,961.277	5	2.1
3810,218978	3207,754623		02917F77a STWD	12	3810,219	2185,76		1	F	F77a	02917F77a STWD	12	13	1	0	61,162.852	4,961.277	1	-1.7
6748,809036	4013,305647		02925E43a STWD	49	6748,809	2958,321		9	E	E43a	02925E43a STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6244,99828	3791,503976		02925E43E STWD	49	6244,998	2517,54		12	E	E43b	02925E43E STWD	43	38	-5	6	61,162.852	4,961.277	-5	5.9
5532,687794	4024,653385		02933K90e STWD	25	5532,688	4262,507		109	K	K90a	02933K90e STWD	33	25	-8	-8	61,162.852	4,961.277	-9	-9.3
5803,371926	3928,300655		02941E13c STWD	35	5803,372	3998,096		54	E	E13d	02941E13c STWD	31	30	-1	4	61,162.852	4,961.277	-1	2.1
4819,884795	3660,133139		02968K90C STWD	30	4819,885	3433,197		107	K	K90d	02968K90C STWD	28	24	-4	2	61,162.852	4,961.277	-5	2.1
5308,089283	3450,824638		02992N67i EGWD	34	5308,089	3460,671		6	N	N67a	02992N67i STWD	34	35	1	0	61,162.852	4,961.277	1	-1.7
4451,767399	3639,10757		02992N67i STWD	31	4451,767	3062,748		28	N	N67a	02992N67i STWD	19	18	-1	12	61,162.852	4,961.277	-1	13.5
6825,280405	3978,957232		03034F86E STWD	38	6825,28	3801,959		606	F	F86b	03034F86E STWD		23			61,162.852	4,961.277		
3433,13832	2283,317534		03042F77E EGWD	43	3433,138	2246,786		8	F	F77b	03042F77E STWD	38	40	2	5	61,162.852	4,961.277	1	5.9
4401,179487	3416,227378		03042F77E STWD	18	4401,179	2615,324		2	F	F77b	03042F77E STWD	16	17	1	2	61,162.852	4,961.277	1	2.1
5533,179256	3171,134329		03050N60i EGWD	43	5533,179	3031,992		6	N	N60c	03050N60i EGWD	38	40	2	5	61,162.852	4,961.277	1	5.9
12531,01066	5080,870369		03050N60i STWD	35	12531,01	4173,656		119	N	N60c	03050N60i STWD	20	20	0	15	61,162.852	4,961.277	-1	13.5
6980,599647	4076,357787		03077N62I EGWD	45	6980,6	3853,923		6	N	N62b	03077N62I EGWD	40	41	1	5	61,162.852	4,961.277	1	5.9
5664,652406	3805,082637		03085M56 STWD	45	5664,652	2981,253		48	M	M56c	03085M56 STWD	34	36	2	11	61,162.852	4,961.277	1	9.7
5667,143928	3697,063081		03093N60I EGWD	38	5667,144	3558,335		10	N	N60b	03093N60I EGWD	33	36	3	5	61,162.852	4,961.277	3	5.9
5088,167032	3663,592576		03093N60i EGWD	41	5088,167	2975,215		8	N	N60b	03093N60I STWD	28	27	-1	13	61,162.852	4,961.277	-1	13.5
4695,241122	2808,891657		03093N60i EGWD	38	4695,241	2715,283		6	N	N60c	03093N60i EGWD	38	35	-3	0	61,162.852	4,961.277	-3	-1.7
4897,021815	3722,590135		03093N60i STWD	37	4897,022	3062,516		27	N	N60c	03093N60i STWD	21	20	-1	16	61,162.852	4,961.277	-1	17.3
8056	3344,683275		03115A05c EGWD	38	8056	3342,677		1	A	A05c	03115A05c STWD	43	45	2	5	61,162.852	4,961.277	1	5.9
7784,732887	4638,554544		03115A05c STWD	44	7784,733	4184,94		8	A	A05c	03115A05c STWD	44	42	-2	0	61,162.852	4,961.277	-3	-1.7
6418,633275	4140,592712		03131E43d STWD	46	6418,633	3431,75		215	E	E43a	03131E43d STWD	37	35	-2	9	61,162.852	4,961.277	-3	9.7
6057,324841			03131E75d EGWD	49	6057,325			1	E	E75a	03131E75d EGWD	49	49	0	0	61,162.852		-1	-1.7
6474,747853	4057,619005		03131E75d STWD	44	6474,748	3984,809		46	E	E75a	03131E75d STWD	37	36	-1	7	61,162.852	4,961.277	-1	5.9
6666,754633	4131,398327		03131E75c STWD	47	6666,255	3530,459		117	E	E75c	03131E75c STWD	38	38	0	9	61,162.852	4,961.277	-1	9.7
6891,846013	4146,93425		03158K45E STWD	49	6891,846	3496,603		87	K	K45b	03158K45E STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
9786,096649	6251,746499		03174K49C EGWD	49	9786,096	4946,899		11	K	K49b	03174K49C EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7881,490157	4208,800875		03174K49E STWD	49	7881,49	2979,163		3	K	K49b	03174K49E STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1
9646,159614	3717,444898		03182K49c EGWD	49	9646,16	2434,263		9	K	K49b	03182K49I EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6992,382063	3934,598048		03182K49E STWD	49	6992,382	2381,465		6	K	K49b	03182K49E STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1
4150,15712	3316,127058		03190K90C STWD	26	4150,157	3130,364		48	K	K90c	03190K90C STWD	27	24	-3	-1	61,162.852	4,961.277	-3	-1.7
3685,776685	3328,936979		03204F82c STWD	9	3665,777	3347,212		100	F	F82c	03204F82c STWD	16	9	-7	-7	61,162.852	4,961.277	-7	-5.5
4031,346375	3279,10885		03204F82d STWD	18	4031,346	3403,731		196	F	F82d	03204F82d STWD	17	16	-1	1	61,162.852	4,961.277	-1	2.1
6028,21131	4023,92368		03239E37c STWD	44	6028,211	3070,688		79	E	E37c	03239E37c STWD	35	33	-2	9	61,162.852	4,961.277	-3	9.7
6964,064824	4304,052577		03247E42a STWD	48	6964,065	3016,922		96	E	E42a	03247E42a STWD	40	38	-2	8	61,162.852	4,961.277	-3	9.7
5264,243288	2968,15332		03255F85E EGWD	44	5264,243	2929,657		60	F	F85b	03255F85E EGWD	41	43	2	3	61,162.852	4,961.277	1	2.1
7510,21159	4468,576952		03271A03d STWD	40	7510,212	4565,741		10	A	A03e	03271A03d STWD	43	40	-3	-3	61,162.852	4,961.277	-3	-1.7
4241,0321	3788,861111		03301N68c STWD	6	4241,032	4209,137		4	N	N68c	03301N68c STWD	11	11	0	-5	61,162.852	4,961.277	-1	-5.5
6448,039115	4188,659271		03328E42a STWD	46	6448,039	3489,524		117	E	E42a	03328E42a STWD	36	35	-1	10	61,162.852	4,961.277	-1	9.7
4421,219778	2597,065508		03344N68i EGWD	47	4421,22	2357,902		18	N	N68d	03344N68i EGWD	42	41	-1	5	61,162.852	4,961.277	-1	5.9
6773,504975	4260,669398		03352M31 STWD	46	6773,505	3527,017		178	M	M31b	03352M31 STWD	38	37	-1	8	61,162.852	4,961.277	-1	9.7
8409,448819	3956,276071		03379K47j EGWD		8409,449	4055,527		1	K	K47j	03379K47j EGWD					61,162.852	4,961.277		
8446,604155	4577,644541		03379K47j STWD	49	8440,604	3435,773		152	K	K47j	03379K47j STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
3788,68828	2761,408997		03387F81e EGWD	24	3788,688	2891,959		22	F	F81e	03387F81e EGWD	27	27	0	-3	61,162.852	4,961.277	-1	-1.7
3805,113455	2582,439859		03409F83a EGWD	30	3805,113	2635,188		18	F	F83a	03409F83a EGWD	30	32	2	0	61,162.852	4,961.277	1	-1.7
13418,63469	5785,843048		03417M31i STWD	49	13418,63	4783,417		198	M	M31a	03417M31i STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
4505,722446	2630,370744		03433N70i EGWD	47	4505,722	2375,001		25	N	N70a	03433N70i EGWD	40	42	2	7	61,162.852	4,961.277	1	5.9
4867,662406	3609,552573		03433N70i STWD	16	4867,662	3750,233		46	N	N70a	03433N70i STWD	15	17	2	1	61,162.852	4,961.277	1	2.1
9867,628189	3803,374766		03441K47c EGWD	49	9867,628	3255,004		7	K	K47d	03441K47c EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8431,685991	4242,315669		03441K47c STWD	34	8431,686	2842,578		34	K	K47d	03441K47c STWD					61,162.852	4,961.277		
10523,58639	3848,572205		03441K47e EGWD	49	10523,59	2451,655		5	K	K47e	03441K47e EGWD					61,162.852	4,961.277		
8191,1023	4224,46469		03441K47e STWD	49	8191,102	2807,371		47	K	K47e	03441K47e STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
6961,77262	4123,213901		03458E13d STWD	49	6961,775	3553,133		78	E	E13d	03458E13d STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6548,962845	4185,22318		03478E13a STWD	44	6548,963	3646,489		192	E	E13a	03478E13a STWD	40	35	-5	4	61,162.852	4,961.277	-5	2.1
4543,010104	2677,556247		03484N70i EGWD	47	4543,01	2401,742		12	N	N70a	03484N70i EGWD	39	41	2	8	61,162.852	4,961.277	1	9.7
6846,328187	4491,810794		03492A00c STWD	25	6846,328	5130,344		29	A	A00c	03492A00c STWD	38	33	-5	-13	61,162.852	4,961.277	-5	-13.1
7082,692308	3334,807106		03522K52g EGWD	49	7082,692	2922,874		6	K	K52g	03522K52g EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4169,678369	2490,692968		03530F82e EGWD	44	4169,678	2317,012		22	F	F82d	03530F82e EGWD	37	40	3	7	61,162.852	4,961.277	3	5.9
6509,044659	4243,809754		03573E42a STWD	45	6509,045	3511,092		363	E	E42a	03573E42a STWD	37	36	-1	8	61,162.852	4,961.277	-1	9.7
7665,755277	4225,333829		03603K47f STWD	49	7665,755	2940,616		29	K	K47f	03603K47f STWD	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4446,969697	2879,926043		03611F78a EGWD	35	4446,97	2975,68		4	F	F78a	03611F78a EGWD	34	35	1	1	61,162.852	4,961.277	1	2.1
4687,822497	2692,745757		03654N69c EGWD	48	4687,822	2455,366		17	N	N69a	03654N69c EGWD	39	43	4	9	61,162.852	4,961.277	3	9.7
6267,778046	3968,83338		03689M32 STWD	45	6284,028	3370,867		123	M	M32b	03689M32 STWD	35	33	-2	10	61,162.852	4,961.277	-3	9.7
5508,258806	4117,397404		03697M31 STWD	28	5508,259	4468,705		13	M	M31c	03697M31 STWD	28	27	-1	0	61,162.852	4,961.277	-1	-1.7
4757,181803	3615,329353		03735K90C STWD	35	4757,182	3067,707		9	K	K90d	03735K90C STWD	30	28	-2	5	61,162.852	4,961.277	-3	5.9
5166,108631	3751N64d STWD		03751N64d STWD	49	5166,109	2736,065		2	N	N64d	03751N64d STWD	33	28	-5	16	61,162.852	4,961.277	-5	17.3
4900,416791	2882,683685		03751N68i EGWD	43	4900,417	2812,806		13	N	N68c	03751N68i EGWD	43	41	-2	0	61,162.852	4,961.277	-3	-1.7
4094,894678	3585,303862		03751N68i STWD	16	4094,895	3486,817		328	N	N68c	03751N68i STWD	13	12	-1	3	61,162.852	4,961.277	-1	2.1
4660,484513	2661,753906		03751N68i STWD	39	4660,485	2577,52		35	N	N68d	03751N68i STWD	39	41	2	0	61,162.852	4,961.277	1	-1.7
7440,369937	4113,364341		03778K49i STWD	49	7440,37	2818,543		84	K	K49a	03778K49i STWD	47	44	-3	2	61,162.852	4,961.277	-3	2.1
7186,775939	4035,97939		03778K49E STWD	49	7186,776	2639,076		65	K	K49b	03778K49E STWD	49	44	-5	0	61,162.852	4,961.277	-5	-1.7
7421,175562	4169,73826		03778K49e STWD	49	7421,176	2775,188		33	K	K49d	03778K49c STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
7171,208111	4095,621389		03778K49c STWD	49	7171,208	2827,963		60	K	K49e	03778K49c STWD	47	43	-4	2	61,162.852	4,961.277	-5	2.1
7163,034039	4012,167598		03778K49f STWD	49	7163,034	2576,901		69	K	K49f	03778K49f STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
5757,044742	3785,896857		03778K59i STWD	35	5757,045	3696,634		116	K	K59a	03778K59i STWD	38	34	-4	-3	61,162.852	4,961.277	-5	-1.7
7381,828679	4544,790069		03786A01c STWD	31	7381,829	5116,802		6	A	A01g	03786A01c STWD		38			61,162.852	4,961.277		
9304,717473			03794A01j EGWD		9304,717			5	A	A01g	03794A01j EGWD					61,162.852			
8098,031215	4954,338865		03794A01j STWD	29	8098,031	5710,991		103	A	A01g	03794A01j STWD		38			61,162.852	4,961.277		
5525,61189	3968,09493		03808N60i STWD	38	5525,612	3404,848		15	N	N60a	03808N60i STWD	28	28	0	10	61,162.852	4,961.277	-1	9.7
5212,677456	3391,118862		03832N63i EGWD	40	5212,677	3202,856		10	N	N63a	03832N63i EGWD	32	36	4	8	61,162.852	4,961.277	3	9.7
6719,15071	4212,685997		03875E18i STWD	46	6719,151	3603,491		25	E	E18b	03875E18i STWD	40	37	-3	6	61,162.852	4,961.277	-3	5.9
7414,459185	4332,138221		03883E18a STWD	49	7414,459	3518,085		18	E	E18a	03883E18a STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6697,608199	4116,705901		03883E18E STWD	48	6697,608	3224,138		46	E	E18b	03883E18E STWD	41	38	-3	7	61,162.852	4,961.277	-3	5.9
7337,53036	3420,80481		03891E18E EGWD	49	7350,085	3580,4		22	E	E18b	03891E18E EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
6962,396056	4239,238748		03891E18E STWD	49	6962,396	3514,682		185	E	E18b	03891E18E STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
6344,429311	4272,461267		03956M39E STWD	38	6344,429	3417,469		35	M	M30a	03956M39E STWD	32	32	0	6	61,162.852	4,961.277	-1	5.9
4254,450794	3534,63217		03964N69i STWD	19	4254,451	3417,953		34	N	N69k	03964N69i STWD	20	17	-3	-1	61,162.852	4,961.277	-3	-1.7
7094,348122	4551,345984		03972M31 STWD	46	7094,348	3736,969		24	M	M31b	03972M31 STWD	38	36	-2	8	61,162.852	4,961.277	-3	9.7
6996,625276	4163,329273		03980K44E STWD	49	6996,625	3222,651		109	K	K44b	03980K44E STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7029,400364	4351,276455		03999E14c STWD	49	7029,4	3525,976		168	E	E14d	03999E14c STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
7464,997847	4361,697356		03999E14e STWD	49	7464,998	3475,292		29	E	E14e	03999E14e STWD	43	42	-1	6	61,162.852	4,961.277	-1	5.9
5083,055882	2880,915047		04014N60B EGWD	46	5083,056	2704,312		7	N	N60b	04014N60B STWD	40	43	3	6	61,162.852	4,961.277	3	5.9
4932,2795	3682,069691		04014N60B STWD	39	4932,279	2964,402		11	N	N60b	04014N60B STWD	27	25	-2	12	61,162.852	4,961.277	-3	13.5
7672,066734	4575,319258		04022A02C STWD	41	7672,067	4495,148		48	A	A02c	04022A02C STWD	45	40	-5	-4	61,162.852	4,961.277	-5	-5.5
3176,418201	3067,892955		04030N66I STWD	7	3176,418	2962,855		80	N	N66f	04030N66I STWD	7	5	-2	0	61,162.852	4,961.277	-3	-1.7
8567,539533	4131,016794		04049A02i EGWD	47	8567,54	4498,224		11	A	A02b	04049A02i EGWD	49	49	0	-2	61,162.852	4,961.277	-1	-1.7
6178,403756			04049A02i STWD	48	6178,404			1	A	A02b	04049A02i STWD	49	44	-5	-1	61,162.852		-5	-1.7
6440,666841	4003,244945		04065K53i STWD	49	6440,667	3254,069		43	K	K53a	04065K53i STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
5395,659722	3148,335033		04073N62i EGWD	34	5395,66	3037,961		16	N	N62a	04073N62i EGWD	32	33	1	2	61,162.852	4,961.277	1	2.1
4124,466548	2847,412586		04081F78E EGWD	30	4124,467	2889,301		27	F	F78b	04081F78E EGWD	27	31	4	3	61,162.852	4,961.277	3	2.1
6725,093959	4203,421353		04103K48c STWD	49	6725,094	3362,045		31	K	K48a	04103K48c STWD	42	37	-5	7	61,162.852	4,961.277	-5	5.9
4379,831623	2655,702616		04111F77c EGWD	35	4379,832	2415,953		8	F	F77c	04111F77c EGWD	34	36	2	1	61,162.852	4,961.277	1	2.1
3906,372396	3267,64346		04111F77c STWD	19	3906,372	2897,96		59	F	F77c	04111F77c STWD	16	15	-1	3	61,162.852	4,961.277	-1	2.1
11811,07448			04138K49a EGWD	49	11811,07	3076,194		5	K	K49a	04138K49a EGWD		49			61,162.852			
7775,664874	4118,754912		04138K49a STWD	49	7775,164	3418,314		18	K	K49a	04138K49a STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
7





6708,401809	4183,595342	[redacted]	08044E42E STWD	49	6708,402	3360,336	[redacted]	380	E	E43b	08044E43E STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
6533,431085	4339,879155		08052M56 STWD	40	6533,431	4825,398		30	M	M56c	08052M56 STWD	33	34	1	7	61,162.852	4,961.277	1	5.9
6283,648173	4310,719541		08087A05c STWD	27	6283,648	4612,957		241	A	A05c	08087A05c STWD	34	30	4	7	61,162.852	4,961.277	5	5.5
7315,844338	4256,672392		08117E17d STWD	49	7323,718	3531,766		462	E	E17a	08117E17d STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6797,965696	2926,94065		08117E19d EGWD		7173,913	2359,762		1	E	E19a	08117E19d EGWD					61,162.852	4,961.277		
8374,288448	4557,370571		08117E19d STWD	49	8374,288	3910,924		100	E	E19a	08117E19d STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
6695,863684	4102,65153		08125E17d STWD	49	6695,864	3140,171		27	E	E17a	08125E17d STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
7121,196084	4213,186389		08133E17d STWD	49	7121,197	3237,745		184	E	E17a	08133E17d STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7897,259995	4414,639693		08133E19d STWD	49	7897,26	3714,78		148	E	E19a	08133E19d STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
4910,606061	3344,590517		08168N65c EGWD	31	4910,606	3299,518		10	N	N65c	08168N65c EGWD	28	30	2	3	61,162.852	4,961.277	1	2.1
7947,502904			08176K91c EGWD	49	7947,503			2	K	K91c	08176K91c EGWD	48	47	-1	1	61,162.852		-1	2.1
5500	3777,719201		08230A00t STWD	27	5500	3303,627		1	A	A00b	08230A00t STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
7046,46134	4340,692752		08230A01c STWD	37	7046,461	4525,919		22	A	A01c	08230A01c STWD	39	37	-2	-2	61,162.852	4,961.277	-3	-1.7
7103,097603	4473,02829		08230A01t STWD	32	7103,098	4859,282		25	A	A01e	08230A01t STWD	41	37	-4	-9	61,162.852	4,961.277	-5	-9.3
6320,060484	4164,186389		08273A00t STWD	27	6321,39	3238,25		4	A	A00b	08273A00t STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
7603,801921	4517,458312		08273A00t STWD	35	7603,802	4959,589		11	A	A00d	08273A00t STWD	44	41	-3	-9	61,162.852	4,961.277	-3	-9.3
6554,825205	4060,725217		08281M30 STWD	46	6566,317	3600,431		92	M	M30a	08281M30 STWD	40	38	-2	6	61,162.852	4,961.277	-3	5.9
6968,538211	3981,143389		08303K47g STWD	49	6968,538	2658,385		30	K	K47g	08303K47g STWD	44	43	-1	5	61,162.852	4,961.277	-1	5.9
4957,264957	3857,728839		08311M58 STWD		4957,265	3300,26		3	M	M58c	08311M58 STWD					61,162.852	4,961.277		
8108,317554	4583,250552		08338K24t STWD	49	8108,318	3711,767		108	K	K24b	08338K24t STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
7970,293071	4562,513144		08338K24c STWD	49	7970,293	3749,13		247	K	K24c	08338K24c STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7376,811594			08354B10c STWD		7376,812			1	B	B10a	08354B10c STWD					61,162.852			
6652,922567	4279,197147		08370M29 STWD	46	6652,923	3561,142		73	M	M29a	08370M29 STWD	40	35	-5	6	61,162.852	4,961.277	-5	5.9
6198,857763	3997,250443		08370M29 STWD	49	6198,858	3186,596		46	M	M29b	08370M29 STWD	39	35	-4	10	61,162.852	4,961.277	-5	9.7
7632,155803	3810,197886		08389M55 EGWD	49	7632,156	3659,545		26	M	M55h	08389M55 EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
7108,485944	4281,202203		08397K26t STWD	49	7108,486	3469,799		75	K	K26b	08397K26t STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6745,593022	4216,792142		08435E42t STWD	49	6745,593	3427,08		59	E	E42b	08435E42t STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
4168,37433	2884,392181		08443F78b EGWD	30	4168,374	2760,164		21	F	F78b	08443F78b STWD	26	31	5	1	61,162.852	4,961.277	5	2.1
4260,416667	3429,196434		08443F78t STWD	31	4260,417	3612,117		1	F	F78b	08443F78t STWD	20	21	1	11	61,162.852	4,961.277	1	9.7
3788,902911	2653,033986		08451F83a EGWD	29	3788,903	2686,061		24	F	F83a	08451F83a EGWD	28	30	2	1	61,162.852	4,961.277	1	2.1
4460			08478K23c STWD	27	4460	2420,022		1	K	K23c	08478K23c STWD	38	28	-10	-11	61,162.852		-9	-9.3
4470,699271	3530,988737		08478K90t STWD	30	4470,699	3080,23		226	K	K90a	08478K90t STWD	30	22	-8	0	61,162.852	4,961.277	-9	-1.7
11214,28571			08486K91c EGWD		11214,29			1	K	K91d	08486K91c EGWD					61,162.852			
5021,785478	2872,632849		08494N68t EGWD	43	5021,785	2823,954		35	N	N68f	08494N68t EGWD	39	42	3	4	61,162.852	4,961.277	3	2.1
6785,850255	4153,586606		08508E17a STWD	49	6791,777	3507,61		218	E	E17a	08508E17a STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6534,595899	4034,79593		08508E18a STWD	49	6534,596	3084,415		122	E	E18a	08508E18a STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
5594,990667	2750,237304		08516K90c EGWD	49	5594,991	2459,487		16	K	K90d	08516K90c EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4207,308416	3761,104607		08532N68t STWD	6	4207,308	4201,42		152	N	N68c	08532N68t STWD	11	11	0	-5	61,162.852	4,961.277	-1	-5.5
7518,134019	4233,06095		08559E20d STWD	49	7518,134	2998,253		54	E	E20a	08559E20d STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1
7718,497297	4625,418671		08672E14d STWD	49	7718,497	3785,428		40	E	E14e	08672E14d STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
7411,565887	4348,915806		08672E14f STWD	49	7411,566	3555,848		84	E	E14f	08672E14f STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6936,626881	4099,525547		08680K91c STWD	41	6936,627	4033,178		50	K	K91a	08680K91c STWD	43	39	-4	-2	61,162.852	4,961.277	-5	-1.7
4883,394383	2647,753889		08699M30 EGWD	49	4883,394	2491,208		2	M	M30a	08699M30 EGWD	45	46	1	4	61,162.852	4,961.277	1	2.1
5861,757814	3950,634577		08699M30 STWD	45	5861,758	3191,733		47	M	M30a	08699M30 STWD	36	32	-4	9	61,162.852	4,961.277	-5	9.7
7171,488728	4092,879859		08710K46t STWD	49	7171,489	2539,031		78	K	K46a	08710K46t STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7457,097284	4081,040719		08710K47c STWD	49	7457,097	2541,848		25	K	K47c	08710K47c STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7603,695531	4179,036968		08710K47d STWD	49	7603,696	2669,191		135	K	K47d	08710K47d STWD					61,162.852	4,961.277		
9384,008807	3569,190637		08710K47e EGWD	49	9384,009	2476,037		20	K	K47e	08710K47e EGWD					61,162.852	4,961.277		
7154,462821	4134,287857		08710K47t STWD	49	7154,463	2584,863		4	K	K47e	08710K47e STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
7046,678636			08710K47f EGWD	49	7046,679	2300,1		1	K	K47f	08710K47f EGWD	49	49	0	0	61,162.852		-1	-1.7
7984,139978	4179,694457		08710K47f STWD	49	7984,14	2733,217		12	K	K47f	08710K47f STWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
5297,12934	3985,164876		08729E39c STWD	34	5297,129	3837,377		18	E	E39c	08729E39c STWD	30	32	2	4	61,162.852	4,961.277	1	2.1
6959,586222	4277,225222		08753E37c STWD	49	6959,586	3423,025		165	E	E37d	08753E37c STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
7007,003162	4246,389082		08761E37c STWD	49	7007,003	3358,021		11	E	E37d	08761E37c STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
5247,835498	3993,417783		08788E39c STWD	33	5247,835	3265,175		6	E	E39d	08788E39c STWD	28	24	-4	5	61,162.852	4,961.277	-5	5.9
6070,458562	4011,227754		08796A04c STWD	40	6070,459	3650,439		8	A	A04a	08796A04c STWD	43	35	-8	-3	61,162.852	4,961.277	-9	-1.7
6233,595728	3888,606868		08796A05c STWD	42	6233,596	2944,011		4	A	A05a	08796A05c STWD	44	40	-4	-2	61,162.852	4,961.277	-5	-1.7
4907,800673			08818F77f EGWD	33	4907,801	3272,927		2	F	F77f	08818F77f EGWD	29	33	4	4	61,162.852		3	2.1
4290,236025	2625,626121		08818F78b EGWD	38	4290,236	2537,224		7	F	F78b	08818F78b EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
4103,578296	3369,410728		08818F78t STWD	31	4103,578	2788,6		16	F	F78b	08818F78t STWD	20	17	-3	11	61,162.852	4,961.277	-3	9.7
8065,504139	3421,660701		08834M55 EGWD	49	8065,504	5182,33		18	M	M55h	08834M55 EGWD				49	61,162.852	4,961.277		
6274,509804	3795,762236		08834M55 STWD	41	6274,51	2570,976		1	M	M55h	08834M55 STWD	31	31	0	10	61,162.852	4,961.277	-1	9.7
7448,585713	4245,355273		08877E14d STWD	49	7459,667	3503,25		170	E	E14a	08877E14d STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6287,811321	4048,492114		08877E14t STWD	39	6287,811	3847,121		80	E	E14b	08877E14t STWD	42	37	-5	-3	61,162.852	4,961.277	-5	-1.7
6364,581316	4224,8164		08877E14c STWD	29	6364,981	4558,542		82	E	E14c	08877E14c STWD	32	33	1	-3	61,162.852	4,961.277	1	-1.7
7171,305705	4369,626927		08877E14e STWD	49	7171,306	3598,8		152	E	E14d	08877E14e STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6932,645234	4316,129561		08885E14a STWD	49	7046,519	3494,739		49	E	E14a	08885E14a STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
5274,950898			08885E14b EGWD		5274,9			1	L	L14b	08885E14b EGWD					61,162.852			
6376,262487	4365,857821		08885E14t STWD	38	6376,262	3947,007		47	E	E14b	08885E14t STWD	41	38	-3	-3	61,162.852	4,961.277	-3	-1.7
4017,605186	2742,190888		08907F78t EGWD	29	4017,605	2841,111		14	F	F78b	08907F78t STWD	26	31	5	3	61,162.852	4,961.277	5	2.1
3791,921296	3344,727069		08923F87d STWD	20	3791,921	3230,546		72	F	F87d	08923F87d STWD	15	14	-1	5	61,162.852	4,961.277	-1	5.9
7772,451421	4274,28763		08931M31 STWD	49	7772,451	3874,876		102	M	M31a	08931M31 STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6746,345439	3914,265313		08958K52c STWD	49	6746,345	2670,544		22	K	K52d	08958K52c STWD	42	42	0	7	61,162.852	4,961.277	-1	5.9
3989,583333	3422,357677		08966E37a STWD	32	3989,583	3428,31		1	E	E37a	08966E37a STWD	27	25	-2	5	61,162.852	4,961.277	-3	5.9
3852,060424	3598,588268		08982N68c STWD	8	3852,06	4027,587		68	N	N68d	08982N68c STWD	6	7	1	2	61,162.852	4,961.277	1	2.1
7166,315702	3518,411093		09008A07f EGWD	47	7166,316	3804,279		5	A	A07f	09008A07f EGWD					61,162.852	4,961.277		
7119,358468	4175,190296		09008A07f STWD	48	7119,358	3442,421		104	A	A07f	09008A07f STWD	44	41	-3	4	61,162.852	4,961.277	-3	2.1
4015,154344	2619,86028		09016F86a EGWD	39	4015,154	2540,702		9	F	F86a	09016F86a EGWD	33	35	2	6	61,162.852	4,961.277	1	5.9
4340,579065	3558,256675		09016F86a STWD	27	4340,579	3136,955		151	F	F86a	09016F86a STWD	19	18	-1	8	61,162.852	4,961.277	-1	9.7
4530,778163	3534,3134		09016F86b STWD	28	4530,776	3229,776		33	F	F86b	09016F86b STWD	23	22	-1	5	61,162.852	4,961.277	-1	5.9
7825,65659	4265,697358		09024K46t STWD	49	7825,657	2956,172		18	K	K46b	09024K46t STWD	47	46	-1	2	61,162.852	4,961.277	-1	2.1
7075,115732	4225,812425		09024K48t STWD	49	7075,116	3333,067		20	K	K48a	09024K48t STWD	45	40	-5	4	61,162.852	4,961.277	-5	2.1
7312,08161	4132,765782		09040K52c STWD	49	7312,082	3111,443		206	K	K52a	09040K52c STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6313,616977	2796,196925		09040K52c EGWD	49	6313,617	2382,793		6	K	K52b	09040K52c EGWD		49			61,162.852	4,961.277		
6962,620462	4037,612681		09040K52t STWD	49	6962,62	2945,954		147	K	K52b	09040K52t STWD	43	42	-1	6	61,162.852	4,961.277	-1	5.9
4809,855322	3639,795747		09059K90c STWD	27	4809,855	3515,923		46	K	K90c	09059K90c STWD	31	24	-7	-4	61,162.852	4,961.277	-7	-5.5
6655,811012	4006,390183		09067M27c STWD	48	6655,81	3868,12		29	M	M27a	09067M27c STWD	41	38	-3	7	61,162.852	4,961.277	-3	5.9
8537,959622	3854,768002		09075K26d EGWD	49	8537,96	3441,79		17	K	K26a	09075K26d EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6950,291556	4256,115854		09075K26e STWD	49	6950,292	3420,39		91	K	K26a	09075K26e STWD	39	39	0	10	61,162.852	4,961.277	1	9.7
5778,421159	3454,33234		09083N67c EGWD	42	5778,421	3354,525		5	N	N67a	09083N67c EGWD	39	40	1	3	61,162.852	4,961.277	1	2.1
8487,221351	3254,771647		09156M34 EGWD		8487,221	3863,415		4	M	M34e	09156M34 EGWD					61,162.852	4,961.277		
9138,890615	3512,951466		09180K49i EGWD	49	9138,891	2515,897		20	K	K49a	09180K49i EGWD		49			61,162.852	4,961.277		
3827,833572	2808,370294		09199N65c EGWD	24	3827,834	2899,916		34	N	N65a	09199N65c EGWD	19	27	8	5	61,162.852	4,961.277	7	5.9
3928,313314	3438,662802		09199N65c STWD	14	3928,313	3356,702		45	N	N65a	09199N65c STWD		9			61,162.852	4,961.277		
7045,872929	4097,580309		09202K52t STWD	49	7045,873	3068,318		117	K	K52b	09202K52t STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
4107,458913	2600,33025		09237F83a EGWD	36	4107,459	2608,379		7	F	F83a	09237F83a EGWD	32	36	4	4	61,162.852	4,961.277	3	2.1
3044,086235	3512,197355		09237F83a STWD	5	3044,086	3301,014		156	F	F83a	09237F83a STWD	7	5	-2	-2	61,162.852	4,961.277	-3	-1.7
4670,886076	3477,403501		09245F76a EGWD	36	4670,886	3357,194		3	F	F76a	09245F76a EGWD	31	36	5	5	61,162.852	4,961.277	5	5.9
4885,884027	2749,909354		09253N68c EGWD	46	4885,884	2635,945		27	N	N68d	09253N68c EGWD	41	44	3	5	61,162.852	4,961.277	3	5.9
4618,89967	3619,717477		09253N68c STWD	18	4618,9	3594,868		37	N	N68d	09253N68c STWD	13	17	4	5	61,162.852	4,961.277	3	5.9
8392,857143			09261A09t EGWD		8392,857			2	A	A09a	09261A09t EGWD					61,162.852			
6265,822785	4077,778534		09288A04t STWD	39	6265,823	4276,878		1	A	A04e	09288A04t STWD	39	37	-2	0	61,162.852	4,961.277	-3	-1.7
3909,337635	3293,233665		09296N69t STWD	14	3909,338	3368,408		64	N	N69i	09296N69t STWD	15	16	1	-1	61,162.852	4,961.277	1	-1.7
12961,74731			09318K49c EGWD	49	12961,75	3553,82		3	K	K49c	09318K49c EGWD					61,162.852			
7616,27907	4156,916306		09318K49c STWD		7616,279	2848,05		1	K	K49c	09318K49c STWD					61,162.852	4,961.277		
4880,226828	3545,96767		09326K91t STWD	31	4880,227	3351,842		62	K	K91b	09326K91t STWD	32	26	-6	-1	61,162.852	4,961.277	-7	-1.7
5175,323274	3631,63525		09334K59a STWD	28	5175,323	3704,953		27	K	K59a	09334K59a STWD	34	30	-4	-6	61,162.852	4,961.277	-5	-5.5
6932,758737	4066,540776		09342K52t STWD	49	6932,759	3013,815		211	K	K52b	09342K52t STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
4687,393535	3832,682126		09350F76t STWD	5	4687,394	4649,049		56	F	F76b	09350F76t STWD	12	12	0	-7	61,162.852	4,961.277	-1	-5.5
6846,821699	4254,941589		09369E13a STWD	49	6846,822	3489,762		75	E	E13a	09369E13a STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
11125,84985	5050,348045		09377K59i EGWD	49	13623,38	4454,746		1	K	K59a	09377K59i EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5484,566396	3693,466091		09377K59c STWD	28	5484,566	4234,783		35	K	K59a	09377K59c STWD	37	29	-8	-9	61,162.852	4,961.277	-9	-9.3
6867,797427	3875,968314		09393A01c EGWD	33	6867,797	4494,277		6	A	A01e	09393A01c EGWD	44	45	1	-11	61,162.852	4,961.277	1	-9.3
7002,164578	4352,15661		09393A01t STWD	35	7002,165	4503,673		28	A	A01e	09393A01t STWD	41	36	-5	0	61,162.852	4,961.277	-5	-5.5
3513,93423	2763,271431		09407F81d EGWD	23	3513,934	2933,931		23	F	F81e	09407F81d EGWD	23	25	2	0	61,162.852	4,961.277	1	-1.7
10233,62526	4060,481023		09423K48c EGWD		10233,63	3253,76		4	K	K48c	09423K48c EGWD					61,162.852	4,961.277		
7470,324493	4511,039505		09423K48c STWD	49	7470,324	3779,874		48	K	K48c	09423K48c STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6540,592336	4497,528724		09431N60i EGWD	39	6540,592	3970,288		15	N	N60a	09431N60i EGWD	27	31	4	12	61,162.852	4,961.277	3	13.5
6509,294122	4341,881694		09466N60i EGWD	38	6509,294	4007,389		16	N	N60a	09466N60i EGWD	31	33	2	7	61,162.852	4,961.277	1	5.9
6503,690349	4208,45647		09474N60i EGWD	41	6503,69	4153,153		10	N	N60a	09474N60i EGWD	34	36	2	7	61,162.852	4,961.277	1	5.9
6038,75	3694,795995		09482N60i EGWD	44	6038,75	3427,059		8	N	N60a	09482N60i EGWD	32	39	7	12	61,162.852	4,961.277	7	13.5
5686,201729	4161,342017		09490N60i EGWD	35	5686,202	3675,106		27	N	N60a	09490N60i EGWD	27	29	2	8	61,162.852	4,961.277	1	9.7
6282,694598	4139,520418		09504N60i EGWD	38	6282,695	3851,928		27	N	N60a	09504N60i EGWD	30	34	4	8	61,162.852	4,961.277	3	9.7
4259,51005	3674,266548		09504N60t STWD	32	4259,51	3125,198		5	N	N60a	09504N60t STWD	27	22	-5	5	61,162.852	4,961.277	-5	5.9
2645,928844	3441,073772		09504N71q STWD	34	2645,929	2233,16		40	N	N71g	09504N71q STWD	28	27	-1	6	61,162.852	4,961.277	-1	5.9
5560,606061	4506,198309		09512F88f EGWD	39	5560,606	4781,41		1	F	F88h	09512F88f EGWD	33	36	2	6	61,162.852	4,961.277	3	5.9
8954,379551	4380,653764		09520M31t STWD	46	8954,38	3771,361		91	M	M31a	09520M31t STWD	39	37	-2	7	61,162.852	4,961.277	-3	5.9
5354,823653	3879,105702		09539K90c STWD	27	5354,824	3888,505		162	K	K90a	09539K90c STWD	31	26	-5	-4	61,162.852	4,961.277	-5	-5.5
24993,068	8383,488582		09547E37f STWD	48	24993,07	5978,703		107	E	E37f	09547E37f STWD	37	34	-3	11	61,162.852	10,706.821	-3	9.7
3939,92963	2850,146828		09563N65i EGWD	26	3939,93	2910,235		17	N	N65a	09563N65i EGWD	21	28	7	5	61,162.852	4,961.277	7	5.9
4231,822291	3052,359344		09571F78d EGWD	25	4231,822	3152,125		41	F	F78d	09571F78d EGWD	23	28	5	2	61,162.852	4,961.277	5	2.1
4468,980863	4316,418542		09571F78e STWD	16	4468,981	3756,911		66	F	F78e	09571F78e STWD	8	10	2	8	61,162.852	4,961.277	1	9.7
6052,824166	4302,359805		09598A00t STWD	27	6052,824	4953,161		4	A	A00b	09598A00t STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
4161,719969	2866,198819		09601F82d EGWD	37	4161,72	2382,352		23	F	F82d	09601F82d EGWD	30	32	2	7	61,162.852	4,961.277	1	5.9
4177,130568			09601F82d STWD	18	4177,131			17	F	F82d	09601F82d STWD	17	16	-1	1	61,162.852		-1	2.1
6721,507869	4141,357716		09628M29 STWD	49	6721,508	3385,201		114	M	M29b	09628M29 STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
8519,124395	3438,423643		09644K48f EGWD	49	8519,124	2627,646		4	K	K48f	09644K48f EGWD		49			61,162.852	4,961.277		
7036,764543	4173,682525		09644K48f STWD	49	7036,765	3273,749		28	K	K48f	09644K48f STWD	45	41	-4	4	61,162.852	4,961.277	-5	2.1
7072,550456	4115,601539		09652K52t STWD	49	7072,55	3093,687		14	K	K52b	09652K52t STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6406,178704	4067,107647		09660E14f STWD	41	6406,179	3967,326		105	E	E14f	09660E14f STWD	41	36	-5	0	61,162.852	4,961.277	-5	-1.7
6081,848003	3823,220014		09679K90c STWD	40	6081,848	3521,231		97	K	K90d	09679K90c STWD	35	33	-2	5	61,162.852	4,961.277	-3	5.9
6218,390805	3839,068903		09709M55 STWD	48	6218,391	2657,959		1	M	M55g	09709M55 STWD	38	37	-1	10	61,162.852	4,961.277	-1	9.7
6100,771381	4052,369179		09717N73j STWD	32	6100,771	4208,529		25	N	N73g	09717N73j STWD	34	36	2	-2	61,162.852	4,961.277	1	-1.7
6303,369801	3750,481902		09776N73f EGWD	35	6303,37	4015,006		64	N	N73f	09776N73f EGWD	37	39	2	-2	61,162.852	4,961.277	1	-1.7
4470	3396,833956		09776N73f STWD	18	4470	2362,47		1	N	N73f	09776N73f STWD		29			61,162.852	4,961.277		
7122,779156	4174,053974		09822E18a STWD	49	7122,779	3621,11		26	E	E18a	09822E18a STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
3965,952986	2486,576508		09911F82d EGWD	43	3991,992	2274,826		13	F	F82d	09911F82d EGWD	34	37	3	9	61,162.852	4,961.277	3	9.7
4638,941623	3690,549157		09911F82d STWD	18	4638,942	3049,95		2	F	F82d	09911F82d STWD	19	16	-3	-1	61,162.852	4,961.277	-3	-1.7
4150,27205	2717,605936		09938F78a EGWD	34	4150,272	2726,08		9	F	F78a	09938F78a EGWD	34	35	1	0

6204,477433	4259,755631	[redacted]	10324A01z STWD	38	6204,477	3788,34	[redacted]	7	A	A01g	10324A01z STWD			33			61,162.852	4,961.277					
5384,03784	3195,565657		10340N60l EGWD	41	5384,038	3162,953		25	N	N60b	10340N60l EGWD	38	41	3	3	61,162.852	4,961.277	3	2.1				
4537,007874	3465,101703		10340N60l STWD	35	4537,008	2404,086		1	N	N60b	10340N60l STWD	28	27	1	11	61,162.852	4,961.277	1	9.7				
4662,251656			10359N60l EGWD	43	4662,252	2894,51		1	N	N60b	10359N60l EGWD	38	41	3	5	61,162.852		5	5.9				
4600,340031	2629,832546		10367N68l EGWD	48	4600,34	2409,825		7	N	N68c	10367N68l EGWD	46	43	-3	2	61,162.852	4,961.277	-3	2.1				
4146,203444	3623,490727		10367N68l STWD	16	4146,203	3630,506		94	N	N68c	10367N68l STWD	14	13	-1	2	61,162.852	4,961.277	-1	2.1				
5079,487179	3385,153915		10375N63z EGWD	40	5079,487	3220,34		12	N	N63a	10375N63z EGWD	31	36	5	9	61,162.852	4,961.277	5	9.7				
3308,89204			10383M58l STWD	47	3308,892			1	M	M58b	10383M58l STWD		36			61,162.852							
6823,71044	3798,678847		10472N73t EGWD	40	6823,71	3953,834		135	N	N73d	10472N73t EGWD	40	43	3	0	61,162.852	4,961.277	3	-1.7				
5350,913995	3890,622637		10472N73t STWD		5350,914	3052,86		2	N	N73d	10472N73t STWD					61,162.852	4,961.277						
5922,48062	3246,498197		10480N73t EGWD	40	5922,481	3059,57		1	N	N73d	10480N73t EGWD	40	43	3	0	61,162.852	4,961.277	3	-1.7				
5904,692791	3079,965183		10480N73t STWD	36	5904,693	2472,748		3	N	N73f	10480N73t STWD	38	40	2	-2	61,162.852	4,961.277	1	-1.7				
5209,700772	3663,10673		10480N73t STWD	49	5209,701	2668,234		6	N	N73f	10480N73t STWD		30			61,162.852	4,961.277						
7705,02978	4475,779251		10499K24c STWD	49	7705,03	3512,582		20	K	K24d	10499K24c STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9				
7436,180739	4402,768179		10499K25c STWD	49	7436,181	3507,087		198	K	K25d	10499K25c STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
6632,958912	4173,744168		10502A00t STWD	39	6632,954	3975,957		5	A	A00e	10502A00t STWD	42	36	-6	-3	61,162.852	4,961.277	-7	-1.7				
3676,278616	3430,228711		10510F81e STWD	7	3676,279	3556,887		221	F	F81e	10510F81e STWD	8	7	-1	-1	61,162.852	4,961.277	-1	-1.7				
4154,691007	3078,384929		10537F77f EGWD	28	4154,691	3158,879		14	F	F77f	10537F77f EGWD	24	28	4	4	61,162.852	4,961.277	3	2.1				
6167,03037	4177,485687		10553N62l EGWD	47	6167,037	3708,847		4	N	N62h	10553N62l EGWD	38	39	3	6	61,162.852	4,961.277	3	5.9				
6755,902056	4188,947027		10561N62l EGWD	42	6755,902	3837,406		17	N	N62b	10561N62l EGWD	33	36	3	9	61,162.852	4,961.277	3	9.7				
5573,614707	3993,003969		10588M56l STWD	40	5573,615	4238,148		120	M	M56c	10588M56l STWD	31	31	0	0	61,162.852	4,961.277	-1	9.7				
3939,357215	2773,040268		10596F81e EGWD	27	3939,357	3288,95		24	F	F81e	10596F81e EGWD	27	30	3	0	61,162.852	4,961.277	3	-1.7				
4030,434651	2848,931281		10618F78E EGWD	28	4030,435	2957,931		10	F	F78b	10618F78E EGWD	25	29	4	3	61,162.852	4,961.277	3	2.1				
4475,115376	3063,449382		10626F77a EGWD	29	4475,115	3180,05		11	F	F77a	10626F77a EGWD	24	32	8	5	61,162.852	4,961.277	7	5.9				
7046,893395	4215,059822		10634K54t STWD	49	7046,893	3397,645		208	K	K54b	10634K54t STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
4891,222752	3652,953763		10642N61l STWD	40	4891,223	2846,781		10	N	N61b	10642N61l STWD	29	22	-7	11	61,162.852	4,961.277	-7	9.7				
7316,225616	4172,924852		10669K52z STWD	49	7316,226	3125,605		77	K	K52a	10669K52z STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1				
3946,825491	2731,085315		10677N65s EGWD	29	3946,826	3279,361		9	N	N65a	10677N65s EGWD	23	31	8	7	61,162.852	4,961.277	7	5.9				
4765,384615	3925,826274		10677N65s STWD	17	4765,385	3478,609		4	N	N65a	10677N65s STWD		11			61,162.852	4,961.277						
8288,549863	3978,035758		10685A06c EGWD	45	8288,55	4541,851		19	A	A06c	10685A06c EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5				
7961,24346	4646,451249		10685A06c STWD	40	7961,243	4795,161		158	A	A06c	10685A06c STWD	44	42	-2	-4	61,162.852	4,961.277	-3	-5.5				
7915,877383	3769,236898		10685A06l EGWD	45	7915,877	4293,397		9	A	A06l	10685A06l EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5				
7836,280792	4526,148122		10685A06l STWD	46	7836,281	4238,685		159	A	A06l	10685A06l STWD	45	42	-3	1	61,162.852	4,961.277	-3	2.1				
7429,606394	3771,170972		10693A06l EGWD	43	7429,606	4240,332		17	A	A06l	10693A06l EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5				
7707,239384	4517,308199		10693A06l STWD	45	7707,239	4238,195		223	A	A06l	10693A06l STWD	44	41	-3	1	61,162.852	4,961.277	-3	2.1				
5232,132357	3678,048038		10707K90c STWD	32	5232,132	3545,97		108	K	K90d	10707K90c STWD	32	29	-3	0	61,162.852	4,961.277	-3	-1.7				
7282,018426	4521,528088		10715A01c STWD	31	7282,018	5000,98		12	A	A01e	10715A01c STWD	42	38	-4	-11	61,162.852	4,961.277	-5	-9.3				
5329,785437	3930,929224		10723E37c STWD	34	5329,785	3602,967		120	E	E37c	10723E37c STWD	29	26	-3	5	61,162.852	4,961.277	-3	5.9				
5522,504819	3989,9195		10723E38c STWD	42	5522,505	3904,752		141	E	E38c	10723E38c STWD	30	28	-2	12	61,162.852	4,961.277	-3	13.5				
6077,274562	4191,377403		10758M56 STWD	40	6077,275	4553,213		36	M	M56c	10758M56 STWD	32	31	-1	8	61,162.852	4,961.277	-1	9.7				
4306,97832	4037,4293		10766N68s STWD	8	4306,978	4743,072		8	N	N68d	10766N68s STWD	8	12	4	0	61,162.852	4,961.277	3	-1.7				
6789,45121	3582,227275		10790M28 EGWD	46	6789,451	3570,502		3	M	M28c	10790M28 EGWD		49			61,162.852	4,961.277						
6518,541196	4167,885711		10790M28 STWD	48	6518,541	3364,599		66	M	M28c	10790M28 STWD	38	36	-2	10	61,162.852	4,961.277	-3	9.7				
5768,551419	3932,204064		10820M55 STWD	44	5768,551	3232,112		48	M	M55h	10820M55 STWD	32	32	0	12	61,162.852	4,961.277	-1	13.5				
3357,150415	3288,864905		10839F82c STWD	9	3357,15	3282,719		131	F	F82c	10839F82c STWD	6	6	0	3	61,162.852	4,961.277	-1	2.1				
4701,492537	2558,519861		10847N61l EGWD	46	4701,493	2189		1	N	N61b	10847N61l EGWD	40	43	3	6	61,162.852	4,961.277	3	5.9				
4874,804461	3662,83985		10847N61l STWD	40	4874,804	2883,067		31	N	N61b	10847N61l STWD	28	22	-6	12	61,162.852	4,961.277	-7	13.5				
7221,941282	3578,143737		10855A06c EGWD	47	7221,943	3822,495		7	A	A06g	10855A06c EGWD	49	49	0	-2	61,162.852	4,961.277	-1	-1.7				
7620,225717	4563,141127		10855A06c STWD	38	7620,226	4793,679		240	A	A06g	10855A06l STWD	43	40	-3	-5	61,162.852	4,961.277	-3	-5.5				
7933,935031	3660,540549		10863A06j EGWD	42	7933,935	4280,553		12	A	A06g	10863A06j EGWD	49	49	0	-7	61,162.852	4,961.277	-1	-5.5				
7538,701475	4505,614664		10863A06j STWD	42	7538,701	4456,528		143	A	A06g	10863A06j STWD	43	40	-3	-1	61,162.852	4,961.277	-3	-1.7				
6085,409304	3980,267655		10871E38c STWD	46	6085,409	3265,928		133	E	E38c	10871E38c STWD	37	35	-2	9	61,162.852	4,961.277	-3	9.7				
6286,274147	4181,699436		10898E38c STWD	48	6286,274	3256,288		98	E	E38c	10898E38c STWD	36	33	-3	12	61,162.852	4,961.277	-3	13.5				
5378,947368	3016,790924		10928E36l STWD		5378,947	2437,222		1	E	E36b	10928E36l STWD					61,162.852	4,961.277						
4601,781995	2701,445028		10936F89c EGWD	44	4601,782	2352,259		27	F	F89c	10936F89c EGWD	38	41	3	6	61,162.852	4,961.277	3	5.9				
7193,732309	4279,988141		10944E38z STWD	49	7206,746	3414,985		243	E	E38a	10944E38z STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
3580,24935	2627,314483		10987N69t EGWD	32	3580,249	2412,908		37	N	N69m	10987N69t EGWD	22	27	5	10	61,162.852	4,961.277	5	9.7				
3760,82067	3222,972993		10987N69t STWD	14	3760,821	3198,254		196	N	N69m	10987N69t STWD	14	11	-3	0	61,162.852	4,961.277	-3	-1.7				
4447,610153	2787,877294		11002F85t EGWD	40	4447,61	2671,613		16	F	F85b	11002F85t EGWD	37	37	0	3	61,162.852	4,961.277	-1	2.1				
4646,696024	2745,961117		11010F89c EGWD	42	4646,696	2318,775		15	F	F89c	11010F89c EGWD	37	41	4	5	61,162.852	4,961.277	3	5.9				
8098,148749	4129,879977		11029K46c STWD	49	8098,149	3701,444		19	K	K46c	11029K46c STWD					61,162.852	4,961.277						
10021,73913			11037K46c EGWD		10021,74	2955,759		1	K	K46c	11037K46c EGWD					61,162.852							
7612,888087			11037K46c STWD	49	7612,888	2397,69		5	K	K46c	11037K46c STWD					61,162.852							
11283,66762			11045K46l EGWD	49	11283,67	2355,849		1	K	K46a	11045K46l EGWD					61,162.852							
7569,763357	4073,513286		11045K46l STWD	49	7569,763	2455,786		35	K	K46a	11045K46l STWD					61,162.852	4,961.277						
10394,81293	4195,60235		11045K47c EGWD	49	10394,81	3900,556		2	K	K47d	11045K47c EGWD					61,162.852	4,961.277						
8251,317345	4321,905748		11045K47c STWD	49	8251,317	2987,038		30	K	K47d	11045K47c STWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7				
9784,660131	5248,34929		11096N01z STWD	44	9784,66	3994,248		4	A	A01g	11096N01z STWD		28			61,162.852	4,961.277						
6523,354958	4144,206879		11118A00t EGWD	30	6523,355	4863,313		2	A	A00b	11118A00t EGWD	39	41	2	-9	61,162.852	4,961.277	1	-9.3				
5505,747126	3862,478926		11118A00t STWD	27	5505,747	3991,898		1	A	A00b	11118A00l STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3				
6959,459459	4267,885601		11126A00c STWD	37	6959,459	4700,292		1	A	A00d	11126A00c STWD	43	39	-4	-6	61,162.852	4,961.277	-5	-5.5				
4820,379676	3067,244578		11177N62z EGWD	38	4820,38	2969,898		3	N	N62a	11177N62z EGWD	33	36	3	5	61,162.852	4,961.277	3	5.9				
5180,144338	3331,983561		11185N62z EGWD	37	5180,144	3195,68		16	N	N62a	11185N62z EGWD	31	35	4	6	61,162.852	4,961.277	3	5.9				
5693,504624	4095,218795		11193K90x STWD	25	5693,905	4260,224		109	K	K90a	11193K90x STWD	31	26	-5	-6	61,162.852	4,961.277	-5	-5.5				
5281,701799	4113,357148		11258E38c EGWD	42	5281,702	3765,794		16	E	E38c	11258E38c STWD	30	28	-2	12	61,162.852	4,961.277	-3	13.5				
6702,79533	4230,351306		11258E38c STWD	47	6702,795	3521,583		50	E	E38d	11258E38c STWD	39	36	-3	8	61,162.852	4,961.277	-3	9.7				
5635,683687	4095,982453		11258E39z STWD	27	5635,684	4417,35		60	E	E39a	11258E39z STWD	20	26	6	7	61,162.852	4,961.277	5	5.9				
5017,214139	3713,813001		11258E39c STWD	33	5017,214	3293,503		42	E	E39c	11258E39c STWD	24	25	1	9	61,162.852	4,961.277	1	9.7				
4561,398055	3711,668951		11304E39z STWD	27	4561,398	3755,039		58	E	E39a	11304E39z STWD	21	19	-2	6	61,162.852	4,961.277	-3	5.9				
6110,415454	4193,470399		11312E39c STWD	31	6110,415	4227,799		75	E	E39c	11312E39c STWD		32			61,162.852	4,961.277						
6151,090559	2945,678338		11339M33 EGWD	49	6151,091	2519,403		64	M	M33e	11339M33 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
5573,58282	3977,335037		11339M33 STWD	31	5573,583	3853,887		126	M	M33e	11339M33 STWD	31	29	-2	0	61,162.852	4,961.277	-3	-1.7				
6230,018923	4109,834033		11347E38c STWD	49	6230,019	3175,881		216	E	E38c	11347E38c STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5				
4741,991666	3828,674302		11355F89z STWD	14	4741,992	4067,618		88	F	F89a	11355F89z STWD	21	19	-2	-7	61,162.852	4,961.277	-3	-5.5				
4944,372959	3147,212152		11363N67j EGWD	37	4944,372	3115,427		7	N	N67a	11363N67j EGWD	35	36	1	2	61,162.852	4,961.277	1	2.1				
6365,902968	3884,778214		11398K52t STWD	49	6365,903	2776,837		90	K	K52b	11398K52t STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7				
4878,026845	2874,108503		11401F85t EGWD	43	4878,087	2719,257		14	F	F85b	11401F85t EGWD	37	41	4	6	61,162.852	4,961.277	3	5.9				
9210,722477	3500,713503		11428K59l EGWD	49	9210,722	2419,199		8	K	K59a	11428K59l EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
5877,260679	3839,080115		11428K59s STWD	34	5877,261	3850,713		19	K	K59a	11428K59s STWD	38	35	-3	-4	61,162.852	4,961.277	-3	-5.5				
3498,743791	3289,166113		11436F82c STWD	15	3498,744	2647,114		13	F	F82c	11436F82c STWD	8	6	-2	7	61,162.852	4,961.277	-3	5.9				
4120,011567			11444F78d STWD	17	4120,012	3242,697		2	F	F78d	11444F78d STWD	14	16	2	3	61,162.852		1	2.1				
7282,457395	4399,969342		11460E16a STWD	49	7282,457	3585,963		218	E	E16a	11460E16a STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
5587,062937	2822,200729		11479M55 EGWD	49	5587,063	2618,986		2	M	M55g	11479M55 EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1				
6743,760385	4144,178187		11479M55 STWD	47	6743,76	3777,268		104	M	M55g	11479M55 STWD	38	38	0	9	61,162.852	4,961.277	-1	9.7				
6163,944656	3248,914077		11487M55 EGWD	46	6163,945	3388,402		71	M	M55g	11487M55 EGWD	45	47	2	1	61,162.852	4,961.277	1	2.1				
6282,190373	4024,586557		11487M55 STWD	49	6282,19	3238,239		64	M	M55g	11487M55 STWD	35	36	1	14	61,162.852	4,961.277	1	13.5				
7913,761869	3588,456565		11495A07j EGWD	49	7913,762	3986,005		2	A	A07g	11495A07j EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7343,637755	4348,487088		11495A07j STWD	45	7343,638	4068,584		31	A	A07g	11495A07j STWD	44	41	-3	1	61,162.852	4,961.277	-3	2.1				
7197,530864	3208,277067		11495A07t EGWD	49	7197,531	3644,822		1	A	A07h	11495A07t EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7861,343107	4274,364767		11495A07t STWD	49	7861,343	4068,461		6	A	A07h	11495A07t STWD	48	45	-2	1	61,162.852	4,961.277	-3	2.1				
6979,005272	4319,555949		11525E14c STWD	49	6979,005	3464,987		98	E	E14d	11525E14c STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7				
6870,133801	3953,426126		11533M56 STWD	49	6870,134	2778,763		16	M	M56c	11533M56 STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7				
5950	2949,424161		11576N61l EGWD	46	5950	2822,22		1	N	N61b	11576N61l EGWD	40	43	3	6	61,162.852	4,961.277	3	5.9				
4604,036874	3655,567681		11576N61l STWD	35	4604,037	3073,534		97	N	N61b	11576N61l STWD	26	22	-4	9	61,162.852	4,961.277	-5	9.7				
7104,00003	4183,712206		11584K24t STWD	49	7104	3110,795		48	K	K24b	11584K24t STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
7184,335269	4379,477138		11584K24c STWD	49	7184,335	3412,328		89	K	K24c	11584K24c STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
7343,316923	4374,12666		11584K24d STWD	49	7343,317	3473,67		96	K	K24d	11584K24d STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
7294,550179	4327,659014		11584K24e STWD	49	7294,55	3725,491		71	K	K24e	11584K24e STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
6285,12736	4193,459251		11584K25c STWD	42	6285,127	4240,729		102	K	K25c	11584K25c STWD	36	33	-3	6	61,162.852	4,961.277	-3	5.9				
6913,757609	4256,305242		11584K25c STWD	49	6913,758	3343,013		79	K	K25d	11584K25c STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9				
6356,443385	4153,547588		11614E38c STWD	49	6356,443	3210,112		79	E	E38c	11614E38c STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5				
7524,368761	3303,787556		11622M55 EGWD	49	7524,369	3004,112		13	M	M55h	11622M55 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
4005,967124	3725,690744		11630F76d STWD	11	4005,967	3123,987		13	F	F76a	11630F76a STWD	9	10	1	2	61,162.852	4,961.277	1	2.1				
8154,139434	3435,915102		11649M55 EGWD	49	8154,139	2534,966		18	M	M55h	11649M55 EGWD		49			61,162.852	4,961.277						
6274,509804	3795,762236		11649M55 STWD	41	6274,51	2570,976		1	M	M55h	11649M55 STWD	31	31	0	10	61,162.852	4,961.277	-1	9.7				
4378,893469	3730,223076		11657F89t EGWD	13	4378,893	3979,762		24	F	F89b	11657F89t EGWD	18	14	-4	-5	61,162.852	4,961.277	-5	-5.5				
6677,05432	4165,778039		11665E75E STWD	49	6677,054	3372,848		83	E	E75b	11665E75E STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7				
6597,087379	3287,579235		11673M56 EGWD	49	6597,087	2777,073		1	M	M56c	11673M56 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6204,699233	3986,482839		11673M56 STWD	44	6204,699	3461,256		82	M	M56c	11673M56 STWD	36	36	0	8	61,162.852	4,961.277	-1	9.7				
8199,019608	3444,135773		11711M55 EGWD	49	8199,02	3376,976		10	M	M55h	11711M55 EGWD		49			61,162.852	4,961.277						
7076,923077	4084,166104		11711M55 STWD	41	7076,923	3236,935		1	M	M55h	11711M55 STWD	31	31	0	10	61,162.852	4,961.277	-1	9.7				
3263,074744	3051,378168		11738T93c STWD	5	3263,975	3140,745		50	T	T93d	11738T93c STWD	6	7	1	-1	61,162.852	4,961.277	1	-1.7				
6560,43956	3897,048781		11746M32 STWD		6560,44	3052,238		1	M	M32d	11746M32 STWD					61,162.852	4,961.277						
5069,354278	3259,406345		11797N60t EGWD	38	5069,354	3130,647		34	N	N60c	11797N60t EGWD	33	36	3	5	61,162.852	4,961.277	3	5.9				
5338,8623	4000,455525		11797N60t STWD	27	5338,862	4587,41		31	N	N60c	11797N60t STWD	21	20	-1	6	61,162.852	4,961.277	-1	5.9				
4309,227823	2603,085201		11800N68t EGWD	44	4309,228	2407,003		9	N	N69a	11800N68t EGWD	39	40	1	5	61,162.852	4,961.277	1	5.9				
6874,377587	4087,388103		11827K44 STWD	49	6874,377	3117,317		43	K	K44a	11827K44 STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
4590,6298	2633,037626		11843N70t EGWD	49	4590,63	2351,012		21	N	N70b	11843N70t EGWD	39	43	4	10	61,162.852	4,961.277	5	9.7				
6908,200876	4180,708789		11851A04c STWD	43	6908,201	3687,572		10	A	A04c	11851A04c STWD	39	39	0	4	61,162.852	4,961.277	-1	2.1				
7029,439144	4249,168243		11878A04c STWD	40	7029,439	4254,334		22	A	A04c	11878A04c STWD	39	38	-1	1	61,162.852	4,961.277	-1	2.1				
3654,826468	2598,683648		11886F81e EGWD	27	3654,826	2663,216		21	F	F81e	11886F81e EGWD	29	29	0	-2	61,162.852	4,961.277	-1	-1.7				
8648,977889	3951,763122		11894A07r EGWD	49	8648,978	4204,838		3	A	A07e	11894A07r EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7700,709986	4668,743077		11894A07r STWD	38	7700,709	4754,692		239	A	A07e	11894A07r STWD	42	39	-3	-4	61,162.852	4,961.277	-3	-5.5				
5289,524865	3878,121311		11908M31t STWD	28	5289,525	4103,523		84	M	M31c	11908M31t STWD	27	27	0	1	61,162.852	4,961.277	-1	2.1				
4361,660719	2638,062116		11959N65s EGWD	39	4361,661	2399,202		40	N	N65c	11959N65s EGWD	35	38	3	4	61,162.852	4,961.277	3	2.1				
4325,710802	2759,972418		11967F76a EGWD	39	4325,711	2659,199		16	F	F76a	11967F76a EGWD	32	36	4	7	61,162.852	4,961.277	3	5.9				
6442,596743			12017K24c EGWD	48	6442,997	3314,839		1	K	K24c	12017K24c EGWD					61,162.852							
7678,924451	4377,920098		12017K24c STWD	49	7678,924	3548,885		207	K	K24c	12017K24c STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1				
7784,094161	4476,237949		12017K24j STWD	49	7784,306	3560,439		47	K	K24d	12017K24j STWD	45	43	-2	0	61,162.852	4,961.277	-3	2.1				
7957,362636	4288,40287		12033K47z STWD	49	7957,363	3821,655		105	K	K47a	12033K47z STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7				
6820,057409	3902,648042		12033K47r STWD	49	6820,057	2533,67		16	K	K47e	12033K47r STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1				
7772,482063	4376,224974		12033K47f STWD	49	7772,482	3019,718		156	K	K47f	12033K47f STWD	48	46	-2	1	61,162.852	4,961.277	-3	2.1				
7624,365482	3056,515251		12041M56 EGWD	49	7624,365	2812,349		1	M	M56c	12041

4572,176286	2996,507827	[redacted]	12203F76a	EGWO	35	4572,176	2945,448	[redacted]	23	F	F76a	12203F76a	EGWO	29	34	5	6	61,162.852	4,961.277	5	5.9				
4426,519642	3819,603319		12203F76a	STWD	7	4426,52	4216,953		72	F	F76a	12203F76a	STWD	10	14	4	-3	61,162.852	4,961.277	3	-1.7				
4149,286521	3574,221557		12211F81c	STWD	15	4149,287	2916,195		14	F	F81c	12211F81c	STWD	14	18	4	5	61,162.852	4,961.277	5	5.9				
6877,192982	4414,115493		12354A09f	STWD	40	6877,193	5060,57		1	A	A09h	12254A09f	STWD	39	37	-2	1	61,162.852	4,961.277	-3	2.1				
4339,778987	2689,656892		1226ZF81e	EGWO	33	4339,779	2734,08		24	F	F81e	1226ZF81e	EGWO	33	35	2	0	61,162.852	4,961.277	1	-1.7				
6949,959626	4279,483755		12319K54	STWD	49	6949,96	3503,581		87	K	K54a	12319K54	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
6483,52975	4000,124686		12319K54	STWD	49	6483,53	3039,583		35	K	K54b	12319K54	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
7099,654131	4078,422084		12335K52	STWD	48	7099,654	2647,835		121	K	K52h	12335K52	STWD	44	43	-1	4	61,162.852	4,961.277	-1	2.1				
10636,10554	4014,732896		12343K47	EGWO	49	10636,11	2837,272		2	K	K47a	12343K47	EGWO					61,162.852	4,961.277						
8043,921536	4210,332077		12343K47	STWD	49	8043,922	2685,429		28	K	K47a	12343K47	STWD		46			61,162.852	4,961.277						
6019,565217	3727,091746		12378K91	STWD	28	6019,565	2663,161		4	K	K91c	12378K91	STWD	29	24	-5	-1	61,162.852	4,961.277	-5	-1.7				
7363,150593	3891,460007		12386A05	EGWO	49	7363,151	4646,475		3	A	A05d	12386A05	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7689,643086	4372,167687		12386A05	STWD	47	7689,643	3930,322		9	A	A05d	12386A05	STWD	46	43	-3	1	61,162.852	4,961.277	-3	2.1				
7368,852459	3896,617354		12394N73	EGWO	46	7368,852	4249,705		1	N	N73h	12394N73	EGWO	43	45	2	3	61,162.852	4,961.277	1	2.1				
6682,018925	3898,456483		1240BM56	STWD	49	6682,019	2669,587		38	M	M56b	1240BM56	STWD	40	42	2	9	61,162.852	4,961.277	3	9.7				
7598,472866	3140,586206		1240BM56	STWD	49	7598,473	2774,988		34	M	M56c	1240BM56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6441,414821	3871,331454		1240BM56	STWD	49	6441,415	2685,031		39	M	M56c	1240BM56	STWD	39	36	-3	10	61,162.852	4,961.277	-3	9.7				
4675,398732	2696,552393		12416N70	EGWO	49	4675,399	2398,64		9	N	N70b	12416N70	EGWO	39	42	3	10	61,162.852	4,961.277	3	9.7				
6280,483781	2998,13987		1242AM56	EGWO	49	6280,483	2598,187		6	M	M56c	1242AM56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6572,336263	3904,688989		12424M56	STWD	49	6572,336	2716,531		7	M	M56c	12424M56	STWD	41	36	-5	8	61,162.852	4,961.277	-5	9.7				
3857,05429	2231,226943		12440N68	EGWO	38	3857,054	2732,64		16	N	N68d	12440N68	EGWO	34	36	2	4	61,162.852	4,961.277	1	2.1				
5069,051719	3757,360211		12459N61	STWD	35	5069,057	3069,587		27	N	N61b	12459N61	STWD	28	22	-6	7	61,162.852	4,961.277	-7	5.9				
6568,590754	4064,248824		12467A01	STWD	33	6568,591	3629,609		4	A	A01g	12467A01	STWD		38			61,162.852	4,961.277						
7540,669856	3381,685585		12475A02	EGWO	49	7540,67	3818,663		1	A	A02c	12475A02	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7409,303097	4510,283437		12475A02	STWD	41	7409,303	4800,08		15	A	A02c	12475A02	STWD	44	40	-4	-3	61,162.852	4,961.277	-5	-1.7				
7214,53081	4506,358298		12483A00	STWD	32	7214,531	4733,008		9	A	A00d	12483A00	STWD	41	37	-4	-9	61,162.852	4,961.277	-5	-9.3				
7169,014085	3647,858469		12491A01	EGWO		7169,014	4614,972		1	A	A01g	12491A01	EGWO					61,162.852	4,961.277						
7294,859307	4334,884361		12491A01	STWD	33	7294,859	4782,96		4	A	A01g	12491A01	STWD		38			61,162.852	4,961.277						
7339,955424	4567,369893		12505A03	STWD	35	7339,955	4782,96		9	A	A03f	12505A03	STWD	41	37	-4	-6	61,162.852	4,961.277	-5	-5.5				
2995,855203	2688,177374		12513F81	EGWO	33	2995,855	2459,221		13	F	F81b	12513F81	EGWO	33	33	0	0	61,162.852	4,961.277	-1	-1.7				
3975,162504	3340,948059		12513F81	STWD	21	3975,163	2719,505		64	F	F81b	12513F81	STWD	16	16	0	5	61,162.852	4,961.277	-1	5.9				
4202,522862	3008,276628		12521F77	EGWO	28	4202,523	3088,092		37	F	F77f	12521F77	EGWO	24	28	4	4	61,162.852	4,961.277	3	2.1				
6631,10732	3667,224271		12580A00	EGWO	32	6631,107	4442,012		12	A	A00a	12580A00	EGWO	42	44	2	-10	61,162.852	4,961.277	1	-9.3				
6846,46473	4299,947248		12580A00	STWD	35	6846,465	4444,531		31	A	A00a	12580A00	STWD	41	37	-4	-6	61,162.852	4,961.277	-5	-5.5				
6633,133333	3940,836357		12580A00	EGWO	35	6633,133	4702,748		1	A	A00c	12580A00	EGWO	44	47	3	-9	61,162.852	4,961.277	3	-9.3				
6766,103465	4306,43176		12580A00	STWD	31	6766,103	4716,446		41	A	A00c	12580A00	STWD	40	36	-4	-9	61,162.852	4,961.277	-5	-9.3				
7634,49263	3921,215623		12580A04	EGWO	43	7634,493	4258,839		6	A	A04d	12580A04	EGWO	49	49	0	-6	61,162.852	4,961.277	-1	-5.5				
6905,425288	4325,036504		12580A04	STWD	37	6905,425	4391,931		71	A	A04d	12580A04	STWD	40	38	-2	-3	61,162.852	4,961.277	-3	-1.7				
6067,023918	4192,969057		12580A04	STWD	34	6067,024	4527,645		19	A	A04e	12580A04	STWD	39	37	-2	-5	61,162.852	4,961.277	-3	-5.5				
6750,44867	4011,422451		12602K52	STWD	49	6750,449	2948,024		79	K	K52b	12602K52	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
7309,081446	3812,820296		12629K44	STWD	49	7309,081	3685,656		6	K	K44d	12629K44	STWD	47	48	1	2	61,162.852	4,961.277	1	2.1				
6638,184302	4014,341741		12629K44	STWD	49	6638,184	3062,921		40	K	K44d	12629K44	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9				
8083,710074	2789,947051		12645K90	EGWO	49	8083,71	2379,82		8	K	K90c	12645K90	EGWO	48	48	0	1	61,162.852	4,961.277	-1	2.1				
4980,32474	3833,353588		12653N60	STWD	33	4980,325	3295,919		31	N	N60a	12653N60	STWD	23	22	-1	10	61,162.852	4,961.277	-1	9.7				
4673,998479	3740,74037		12661N60	STWD	32	4673,998	3153,033		17	N	N60a	12661N60	STWD	22	22	0	10	61,162.852	4,961.277	-1	9.7				
7495,781474	4155,25514		12726E20	STWD	49	7495,781	2837,069		8	E	E20b	12726E20	STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1				
7432,195986	4207,185023		12726E20	STWD	49	7432,196	3001,063		25	E	E20c	12726E20	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1				
7721,598855	4167,387984		12726E22	STWD	49	7721,599	2838,286		22	E	E22b	12726E22	STWD	49	45	-4	-6	61,162.852	4,961.277	-5	-1.7				
6435,412574	4069,801608		12734E37	STWD	49	6435,413	3084,167		42	E	E37d	12734E37	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7				
7517,860221	4365,725541		12742K24	STWD	49	7517,869	3354,063		28	K	K24b	12742K24	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1				
7784,953076	4510,280866		12742K24	STWD	49	7784,953	3657,632		15	K	K24e	12742K24	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9				
8283,768545	4697,185858		12750K24	STWD	49	8283,769	3855,437		85	K	K24b	12750K24	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1				
8066,601988	4553,371426		12750K24	STWD	49	8066,602	3660,958		90	K	K24c	12750K24	STWD	47	43	-4	2	61,162.852	4,961.277	-5	2.1				
6882,352941	3572,421286		12750K24	EGWO		6882,353	3986,539		1	K	K24d	12750K24	EGWO					61,162.852	4,961.277						
7929,320191	4580,083977		12750K24	STWD	49	7929,32	3666,762		77	K	K24d	12750K24	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1				
7209,093422	3594,128128		12750K24	EGWO	48	7209,093	4024,321		3	K	K24e	12750K24	EGWO	49	49	0	-1	61,162.852	4,961.277	-1	-1.7				
7549,209095	4479,990718		12750K24	STWD	49	7549,209	3543,035		238	K	K24e	12750K24	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
6690,060164	4074,857555		12769E36	STWD	46	6690,06	3069,914		46	E	E16a	12769E36	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
7025,39734	3984,8151		12777K47	STWD	49	7025,397	2642,99		130	K	K47g	12777K47	STWD	44	43	-1	5	61,162.852	4,961.277	-1	5.9				
8922,651071	3333,397665		12831K49	EGWO	49	8922,651	2418,584		21	K	K49b	12831K49	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7368,959004	4015,548295		12831K49	STWD	49	7368,959	2731,23		62	K	K49b	12831K49	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7				
9095,610592	3354,865581		12831K49	EGWO	49	9095,611	2418,178		7	K	K49d	12831K49	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7402,188447	4037,319849		12831K49	STWD	49	7402,188	2566,347		71	K	K49d	12831K49	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7				
8652,146955	3314,540611		12831K49	EGWO	49	8652,147	2408,609		7	K	K49e	12831K49	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7323,0008	4047,344983		12831K49	STWD	49	7323,001	2579,308		93	K	K49e	12831K49	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7				
6920,768236	4060,053757		12858K52	STWD	49	6920,768	2959,824		70	K	K52b	12858K52	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
7236,23384	4386,136934		12866E40	STWD	49	7236,234	3409,232		338	E	E40a	12866E40	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9				
9917,029947	4283,288789		12866E40	STWD	49	9917,029	4206,174		415	E	E40a	12866E40	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
6159,298226	4046,944334		12890E37	STWD	49	6159,298	3078,322		188	E	E37f	12890E37	STWD	37	34	-3	12	61,162.852	4,961.277	-3	13.5				
5777,187654	3945,188028		12904K90	STWD	31	5777,188	3952,733		44	K	K90c	12904K90	STWD	30	29	-1	1	61,162.852	4,961.277	-1	2.1				
7644,882833	3808,711769		12939A06	EGWO	45	7644,883	4381,755		4	A	A06k	12939A06	EGWO	49	49	0	-4	61,162.852	4,961.277	-1	-5.5				
6723,122841	4731,550953		12939A06	STWD	42	6723,123	5052,684		30	A	A06k	12939A06	STWD	45	42	-3	-3	61,162.852	4,961.277	-3	-1.7				
6860,417491	3393,236154		12955M27	EGWO	49	6860,417	3579,186		8	M	M27b	12955M27	EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1				
6657,7695	4029,435663		12955M27	STWD	63	6657,769	2910,029		63	M	M27b	12955M27	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
5442,210472	3791,916707		12963K90	STWD	31	5442,21	3730,305		77	K	K90a	12963K90	STWD	34	31	-3	-3	61,162.852	4,961.277	-3	-1.7				
7303,136843	4429,497964		12998E16	STWD	49	7303,137	3641,787		111	E	E16a	12998E16	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
7452,264311	4485,021625		12998E16	STWD	49	7452,264	3578,682		23	E	E16b	12998E16	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
8264,530075			12998E16	EGWO		8264,53			10	E	E16c	12998E16	EGWO					61,162.852							
7458,729742	4385,357561		12998E16	STWD	45	7458,73	3868,023		209	E	E16c	12998E16	STWD	43	40	-3	2	61,162.852	4,961.277	-3	2.1				
6803,278689	3453,06897		13005M55	EGWO	49	6803,279	3036,385		1	M	M55h	13005M55	EGWO		49			61,162.852	4,961.277						
6226,605664	4166,799136		13021E38	STWD	48	6226,606	3206,558		81	E	E38c	13021E38	STWD	35	33	-2	13	61,162.852	4,961.277	-3	13.5				
4347,342237	3734,04543		13048F78	STWD	8	4347,342	4227,472		35	F	F78a	13048F78	STWD	16	13	-3	-8	61,162.852	4,961.277	-3	-9.3				
4045,894245	2705,112694		13048F78	EGWO	34	4045,894	2679,162		19	F	F78b	13048F78	EGWO	29	33	4	5	61,162.852	4,961.277	3	5.9				
5346,044189	3481,773104		13056N63	EGWO	40	5346,044	3277,077		24	N	N63a	13056N63	EGWO	32	36	4	8	61,162.852	4,961.277	3	9.7				
4894,238967	2782,036695		13064N68	EGWO	43	4894,235	2780,604		19	N	N68f	13064N68	EGWO	40	43	3	3	61,162.852	4,961.277	3	2.1				
6618,593928	4289,185928		13099A00	STWD	35	6618,594	3909,541		16	A	A00c	13099A00	STWD	42	35	-7	-7	61,162.852	4,961.277	-7	-5.5				
6257,71287	4119,245186		13102M32	STWD	41	6257,713	4617,373		71	M	M32a	13102M32	STWD	36	33	-2	5	61,162.852	4,961.277	-3	5.9				
3940,103416	2767,772163		13110F83	EGWO	28	3940,103	2840,58		27	F	F83a	13110F83	EGWO	28	30	2	0	61,162.852	4,961.277	1	-1.7				
5687,365143	2891,998472		13137K90	EGWO	49	5687,365	2573,685		6	K	K90d	13137K90	EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1				
3861,773916	3103,23217		13161N65	EGWO	29	3861,774	3178,115		33	N	N65c	13161N65	EGWO	25	28	3	4	61,162.852	4,961.277	3	2.1				
7388,341844	3803,651927		13196A06	EGWO	41	7388,342	4292,34		10	A	A06a	13196A06	EGWO	47	48	1	-6	61,162.852	4,961.277	1	-5.5				
7708,318862	4622,05291		13196A06	STWD	41	7708,319	4567,35		270	A	A06a	13196A06	STWD	43	40	-3	-2	61,162.852	4,961.277	-3	-1.7				
6464,285714	3990,481952		13218A01	EGWO	24	6464,286	4851,809		1	A	A01b	13218A01	EGWO	38	43	5	-14	61,162.852	4,961.277	5	-13.1				
7735,093991	4736,913536		13218A01	STWD	29	7735,093	5503,937		12	A	A01b	13218A01	STWD	41	37	-4	-12	61,162.852	4,961.277	-5	-13.1				
8522,06007	3880,715471		13226K24	EGWO	46	8522,06	4108,191		3	K	K24a	13226K24	EGWO	49	49	0	-3	61,162.852	4,961.277	-1	-1.7				
7554,432214	4332,971021		13226K24	STWD	49	7554,432	3429,785		207	K	K24a	13226K24	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1				
7472,038331	4471,86284		13226K24	STWD	48	7472,038	3883,837		79	K	K24d	13226K24	STWD	43	40	-3	5	61,162.852	4,961.277	-3	5.9				
6412,044696	3101,814976		13226K24	EGWO	48	6412,045	3044,159		4	K	K24e	13226K24	EGWO	49	49	0	-1	61,162.852	4,961.277	-1	-1.7				
7455,587691	4385,058207		13226K24	STWD	49	7455,588	3547,425		534	K	K24e	13226K24	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
7316,487749	4315,402347		13234M27	STWD	49	7316,487	3446,367		307	M	M27b	13234M27	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
6206,853439	4203,658184		13242K52	STWD	28	6206,853	4444,491		24	K	K52g	13242K52	STWD	34	32	-2	-6	61,162.852	4,961.277	-3	-5.5				
6886,790157	4266,616086		13242K52	STWD	44	6886,79	3873,671		97	K	K52h	13242K52	STWD	41	38	-3	3	61,162.852	4,961.277	-3	2.1				
5900,027328	4300,313282		13250M57	STWD	41	5900,027	3504,081		16	M	M57a	13250M57	STWD	27	27	0	14	61,162.852	4,961.277	-1	13.5				
5709,799383	3682,882678		13269N62	EGWO	37	5709,799	3560,896		24	N	N62b	13269N62	EGWO	33	35	2	4	61,162.852	4,961.277	1	2.1				
6826,210084	4168,753991		13285K26	STWD	49	6826,21	3299,353		69	K	K26a	13285K26	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7				
5615,611124	3932,050779		13293E37	STWD	44	5615,611	3029,223		155	E	E37c	13293E37	STWD	32	30	-2	12	61,162.852	4,961.277	-3	13.5				
6858,270816	4337,129437		13358A01	STWD	35	6900,451	4441,522		32	A	A01e	13358A01	STWD	40	36	-4	-5	61,162.852	4,961.277	-5	-5.5				
6369,623859	3171,925578		13366M27	EGWO	49	6369,624	3522,72		3	M	M27b	13366M27	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6872,513555	4102,329343		13366M27	STWD	49	6872,514	3022,036		118	M	M27b	13366M27	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
7003,041364	4053,143984		13374K52	STWD	49	7003,041	2973,802		93	K	K52a	13374K52	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9				
5651,383582	3966,411486		13382E37	STWD	44	5651,384	3080,64		70	E	E37c	13382E37	STWD	33	29	-4	11	61,162.852	4,961.277	-5	9.7				
3807,681326	2618,771864		13390F83	EGWO	30	3807,681	2649,124		31	F	F83a	13390F83	EGWO	29	31	2	1	61,162.852	4,961.277	1	2.1				
6727,415481	4184,0133		13404K54	STWD	49	6727,415	3348,27		107	K	K54d	13404K54	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
7814,710817	4661,127775		13412A00	STWD	32	7814,711	5449,185		6	A	A00d	13412A00	STWD	44	40	-4	-12	61,162.852	4,961.277	-5	-13.1				
6194,960255	4090,126833		13420E38	STWD	49	6194,96	3143,151		179	E	E38c	13420E38	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5				
7197,607286	4418,394611		13447E14	STWD	49	7197,607	3586,963		108	E	E14d	13447E14	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7				
7331,769998	4476,877175		13447E14	STWD	49	7331,77	3647,515		100	E	E14e	13447E14	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7				
7451,62728	3574,026554		13455A04	EGWO	43	7451,627	4155,425		15	A	A04h	13455A04	EGWO	49	49	0	-6	61,162.852	4,961.277	-1	-5.5				
7403,018309	4439,485649		13455A04	STWD	40	7403,018	4507,506		95	A	A04h	13455A04	STWD	42	41	-1	-2	61,162.852	4,961.277	-1	-1.7				
6672,809069	4131,620695		13455A04	STWD	40	6672,809	3271,54		134	K	K44b	13455A04	STWD	37	38	1	12	61,162.852	4,961.277	3	13.5				
6877,808053	4209,901627		13528A06	STWD	43	6877,808	3812,626		77	A	A06i	13528A06	STWD	43	39	-4	0	61,162.852	4,961.277	-5	-1.7				
4140,422244	3753,894945		13544N68	STWD	6	4140,422	4193,058		153	N	N68c	13544N68	STWD	10	9	-1	-4	61,162.852	4,961.277	-1	-5.5				
5568,635103	2785,611693		13579K91	EGWO	49	5568,635	2431,051		26	K	K91c	13579K91	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
5693,661728	3035,186712		13595K90	EGWO	49	5693,662	2566,339		7	K	K90i	13595K90	EGWO	48	46	-2	1	61,162.852	4,961.277	-3	2.1				
6110,194376	3788,57384		13595K90	STWD	40	6110,194	3684,359		31	K	K90i	13595K90	STWD	41	37	-4	-1	61,162.852	4,961.277	-5	-1.7				
4460,858782	2772,560634		13609N68	EGWO	40	4460,859	2678,859		31	N	N68d	13609N68	EGWO	41	38	-2	-1	61,162.852	4,961.277	-3	-1.7				
5231,15969	3578,540995		13617N59	STWD	32	5231,16	3585,385		7	N	N59a	13617N59	STWD	25	32	7	7	61,162.852	4,961.277	5	5.9				
5090,540886	3996,613521		13625K91	STWD	23	5090,541	4286,207		47	K	K91c	13625K91	STWD	29	21	-8	-6	61,162.852	4,961.277	-9	-5.5				
7504,755585	3529,357273		13633A05	EGWO	49	7504,756	3458,539		2	A	A05d	13633A05	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6844,655625	4315,822173		13633A05	STWD	38	6844,656	4261,605		108	A	A05d	13633A05	STWD	41	37	-4	-3	61,162.852	4,961.277	-5	-1.7				
6523,91193	4194,296065		13676A09	STWD	31	6523,912	4384,207		3	A	A09c	13676A09	STWD	35	33	-2	-4	61,162.852	4,961.277	-3	-5.5				
3090,724845	3140,313967		13684T94	STWD	5	3090,725	3174,324		314	T	T94c	13684T94	STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7				
10610,67834	3983,594588		13730K49	EGWO	49	10610,68	2623,234		14	K	K49a	13730K49	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
6051,476088	4039,662209		13757E37	STWD	44	6051,476	3083,64		79	E	E37c	13757E37	STWD	35	33	-2	9	61,162.852	4,961.277	-3	9.7				
5854,854739	2857,407623		13773K90	EGWO	49	5854,855	2431,698		27	K	K90d	13773K90	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
4826,686103	3289,674608		13811F76	EGWO	32	4826,686	3277,689		24	F	F76a	13811F76	EGWO	27	32	5	5	61,162.852	4,961.277	5	5.9				
3765,047083	3114,391863		13846N69	STWD	18	3765,047	3097,036		193	N	N69m	13846N69	STWD	16	15	-1	2	61,162.852	4,961.277	-1	2.1				
4373,835087	3612,42425		13854F82	STWD	23	4373,835	3165,696		76

5784,861273	4153,977148	[redacted]	13994E37a	STWD	27	5784,861	4485,856	[redacted]	83	E	E37a	13994E37a	STWD	30	28	-2	-3	61,162.852	4,961.277	-3	-1.7
5955,456396	3985,577249		13994E37f	STWD	49	5955,456	3053,209		103	E	E37f	13994E37f	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5
5135,542354	3540,559757		13994F95a	EGWD		5135,542	3340,536		4	F	F95a	13994F95a	EGWD					61,162.852	4,961.277		
10872,59935	3866,597055		14001K47e	EGWD	49	10872,6	2472,506		24	K	K47e	14001K47e	EGWD		49			61,162.852	4,961.277		
8018,768228	4281,114083		14001K47f	STWD	49	8018,768	2813,037		16	K	K47e	14001K47e	STWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5928,646639	3756,809391		14028N60a	STWD	42	5928,647	2923,998		6	N	N60a	14028N60a	STWD	32	32	0	10	61,162.852	4,961.277	-1	9.7
5818,852122	3995,273058		14036N60a	STWD	42	5818,852	3366,414		13	N	N60a	14036N60a	STWD	31	30	-1	11	61,162.852	4,961.277	-1	9.7
5078,909776	3575,729541		14060M33f	EGWD	33	5078,91	2261,362		9	M	M33f	14060M33f	EGWD	31	27	-4	2	61,162.852	4,961.277	-5	2.1
5287,127976	3337,583094		14079N67a	EGWD	39	5287,178	3224,517		8	N	N67a	14079N67a	EGWD	34	37	3	5	61,162.852	4,961.277	3	5.9
7991,760917	4790,321653		14087A03e	STWD	40	7991,761	5208,733		5	A	A03e	14087A03e	STWD	43	40	-3	-3	61,162.852	4,961.277	-3	-1.7
7286,604951	4615,309172		14087A03f	STWD	33	7286,605	4890,539		9	A	A03f	14087A03f	STWD	40	37	-3	-7	61,162.852	4,961.277	-3	-5.5
4364,832109	3544,14044		14117N72a	STWD	38	4364,832	3107,446		17	N	N72a	14117N72a	STWD	19	19	0	19	61,162.852	4,961.277	-1	17.1
7373,365801	4533,791838		14133A01f	STWD	33	7373,366	4861,076		18	A	A01h	14133A01f	STWD	41	37	-4	-8	61,162.852	4,961.277	-5	-9.3
9767,82578	3584,494103		14141K49c	EGWD	49	9767,826	2287,681		7	K	K49b	14141K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7286,759317	3575,729541		14141K49f	STWD	49	7286,91	2261,362		9	M	M33c	14060M33f	STWD	48	45	-3	2	61,162.852	4,961.277	-3	2.1
4606,995199	4233,355131		14206E12a	STWD	48	4606,995	3758,365		394	E	E12a	14206E12a	STWD	41	41	0	7	61,162.852	4,961.277	-1	5.9
6542,341116	4197,381583		14214A01c	STWD	37	6542,341	4165,117		19	A	A01c	14214A01c	STWD	40	36	-4	-3	61,162.852	4,961.277	-5	-1.7
7369,195542	2925,883515		14222K52a	EGWD	49	7369,196	2567,74		40	K	K52a	14222K52a	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6841,099337	3980,428634		14222K52a	STWD	49	6841,099	3795,833		22	K	K52a	14222K52a	STWD	44	42	-2	-5	61,162.852	4,961.277	-3	-5.9
11034,28681	3761,331239		14249K47g	EGWD	49	11034,29	2731,055		6	K	K47g	14249K47g	EGWD					61,162.852	4,961.277		
7259,412102	4029,698903		14249K47a	STWD	49	7259,412	2662,399		148	K	K47g	14249K47a	STWD	45	44	-1	4	61,162.852	4,961.277	-1	2.1
5357,279306	3529,560091		14273M32a	STWD	32	5357,279	4006,506		10	M	M32a	14273M32a	STWD	34	32	-2	2	61,162.852	4,961.277	-3	-1.7
5225,927366	3011,797797		14281F76a	EGWD	38	5225,927	3187,57		33	F	F76a	14281F76a	EGWD	36	39	3	2	61,162.852	4,961.277	3	2.1
5743,602477	4300,655904		14281F76a	STWD	16	5743,602	3803,725		123	F	F76a	14281F76a	STWD	9	10	1	7	61,162.852	4,961.277	1	5.9
4651,62037	2823,506514		14303F86a	EGWD	40	4651,62	2777,611		18	F	F86a	14303F86a	EGWD	38	39	1	2	61,162.852	4,961.277	1	2.1
4791,666667			14303F86a	STWD	24	4791,667			1	F	F86a	14303F86a	STWD	19	19	0	5	61,162.852		-1	5.9
8237,026734	4820,140734		14311K90c	EGWD	49	8237,027	3854,035		7	K	K90c	14311K90c	EGWD	48	48	0	1	61,162.852	4,961.277	-1	2.1
9760,416667	4494,208232		14338A02c	EGWD	2	9760,417	4340,686		2	A	A02c	14338A02c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7300,82066	4469,33185		14338A02d	STWD	41	7300,821	4659,443		58	A	A02c	14338A02d	STWD	44	39	-5	-3	61,162.852	4,961.277	-5	-1.7
7099,387887	4289,040742		14362E18c	STWD	49	7099,388	3406,503		113	E	E18b	14362E18c	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
4433,164106	3402,967183		14486K45c	STWD	46	4433,164	2617,477		7	K	K45b	14486K45c	STWD	36	34	-2	10	61,162.852	4,961.277	-3	9.7
5203,052859	3624,641682		14494K91c	STWD	32	5203,053	3511,059		111	K	K91b	14494K91c	STWD	32	27	-5	0	61,162.852	4,961.277	-5	-1.7
4777,605104	3765,67716		14508N61c	STWD	35	4777,605	3074,085		10	N	N61b	14508N61c	STWD	24	22	-2	11	61,162.852	4,961.277	-3	9.7
5569,111437	3466,078045		14516N60b	EGWD	39	5569,111	3388,425		20	N	N60b	14516N60b	EGWD	35	38	3	4	61,162.852	4,961.277	3	2.1
7362,189298	3854,856624		14524A06g	EGWD	45	7362,189	4371,404		9	A	A06g	14524A06g	EGWD	48	48	0	-3	61,162.852	4,961.277	-1	-1.7
7608,819553	4593,889215		14524A06s	STWD	41	7608,82	4492,17		51	A	A06g	14524A06s	STWD	43	40	-3	-2	61,162.852	4,961.277	-3	-1.7
7038,05229	4202,434759		14559K48f	STWD	49	7038,052	3320,692		120	K	K48f	14559K48f	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6701,89615	4179,636377		14567K44c	STWD	49	6701,896	3335,275		87	K	K44b	14567K44c	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
6760,049579	4220,280677		14567K44c	STWD	49	6760,05	3382,819		85	K	K44c	14567K44c	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
6371,753025	4209,131985		14575E38c	STWD	49	6371,753	3261,972		88	E	E38c	14575E38c	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5
4961,137953	2716,420098		14583F77f	EGWD	38	4961,138	2482,095		26	F	F77f	14583F77f	EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
4303,030303	3316,957299		14583F77f	STWD	16	4303,03	2320,055		1	F	F77f	14583F77f	STWD	14	13	-1	2	61,162.852	4,961.277	-1	2.1
3778,425946	2737,651293		14591F81e	EGWD	25	3778,426	2842,222		21	F	F81e	14591F81e	EGWD	27	27	0	-2	61,162.852	4,961.277	-1	-1.7
5447,289576	4039,346051		14605N60l	STWD	36	5447,29	3465,749		24	N	N60b	14605N60l	STWD	31	26	-5	5	61,162.852	4,961.277	-5	5.9
6289,332541	4172,216188		14621A01f	STWD	38	6289,333	4012,604		8	A	A01h	14621A01f	STWD	41	36	-5	-3	61,162.852	4,961.277	-5	-1.7
4319,148035	2788,807882		14648N60j	EGWD	39	4319,148	2550,613		3	N	N60a	14648N60j	EGWD	32	34	2	7	61,162.852	4,961.277	1	5.9
5795,454545	3634,006661		14656A00f	EGWD	32	5795,455	4375,184		1	A	A00a	14656A00f	EGWD	43	45	2	-11	61,162.852	4,961.277	1	-9.3
6607,73734	4174,71801		14656A00f	STWD	35	6607,737	3954,748		43	A	A00a	14656A00f	STWD	39	35	-4	-4	61,162.852	4,961.277	-5	-5.5
7050,33431	4015,714056		14664K47e	STWD	49	7050,334	2547,584		18	K	K47e	14664K47e	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
7212,554025	4715,628496		14672A01f	STWD	36	7212,554	5419,744		4	A	A01f	14672A01f	STWD	43	39	-4	-7	61,162.852	4,961.277	-5	-5.5
7216,666667	4495,544937		14680A01c	EGWD	24	7216,667			1	A	A01b	14680A01c	EGWD	38	43	5	-14	61,162.852	4,961.277	5	-13.1
7199,612044	4641,394779		14680A01l	STWD	30	7199,612	5077,229		15	A	A01b	14680A01l	STWD	39	35	-4	-9	61,162.852	4,961.277	-5	-9.3
4183,098592	3487,301049		14710K44f	STWD		4183,099	3065,994		1	K	K44f	14710K44f	STWD					61,162.852	4,961.277		
4780,143157	2831,981611		14729N60l	EGWD	38	4780,143	2758,581		11	N	N60c	14729N60l	EGWD	40	39	2	0	61,162.852	4,961.277	1	-1.7
4717,418244	3642,03884		14729N60l	STWD	32	4717,418	3008,089		31	N	N60c	14729N60l	STWD	21	20	-1	11	61,162.852	4,961.277	-1	9.7
4819,436466	3553,446602		14737K90c	STWD	31	4819,436	3266,881		21	K	K90c	14737K90c	STWD	32	26	-6	-1	61,162.852	4,961.277	-7	-1.7
7535,433071	3573,666655		14745M56	EGWD	49	7535,433	3402,234		1	M	M56c	14745M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6183,241719	4040,709818		14745M56	STWD	40	6183,242	3941,824		125	M	M56c	14745M56	STWD	34	36	2	6	61,162.852	4,961.277	1	5.9
6369,184681	4259,330331		14788E13e	STWD	40	6499,923	3969,491		71	E	E13e	14788E13e	STWD	38	34	-4	2	61,162.852	4,961.277	-5	2.1
7279,070105	4432,321031		14788E13f	STWD	48	7279,07	3807,84		79	E	E13f	14788E13f	STWD	42	39	-3	6	61,162.852	4,961.277	-3	5.9
6543,18832	3217,527197		14818K24d	EGWD	45	6543,188	3594,903		9	K	K24a	14818K24d	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7261,484098	4202,629709		14818K24l	STWD	49	7261,484	3032,019		43	K	K24a	14818K24l	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
6491,248882	3081,033798		14826K24d	EGWD	46	6491,249	3614,769		4	K	K24a	14826K24d	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
7293,667285	4183,304169		14826K24l	STWD	49	7293,667	3389,158		166	K	K24a	14826K24l	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
4785,507254	2848,330728		14834F85l	EGWD	42	4785,507	2781,76		40	F	F85b	14834F85l	EGWD	39	40	1	3	61,162.852	4,961.277	1	2.1
4219,595461	3661,818396		14834F85l	STWD	15	4219,595	3594,279		75	F	F85b	14834F85l	STWD	15	13	-2	0	61,162.852	4,961.277	-3	-1.7
4089,991926	3675,589588		14834F85c	STWD	9	4089,992	3837,174		77	F	F85c	14834F85c	STWD	11	10	-1	-2	61,162.852	4,961.277	-1	-1.7
8481,58509			14842B10K	EGWD		8481,585			2	B	B10d	14842B10K	EGWD					61,162.852			
4299,4452	2959,770289		14850F78l	EGWD	28	4299,445	3072,412		26	F	F78b	14850F78l	EGWD	26	31	5	2	61,162.852	4,961.277	5	2.1
4521,677855	3848,991123		14869F89l	STWD	13	4521,678	4132,829		62	F	F89b	14869F89l	STWD	14	15	1	-1	61,162.852	4,961.277	1	-1.7
4459,240473	2752,917429		14877F76a	EGWD	38	4459,24	2738,795		21	F	F76a	14877F76a	EGWD	34	37	3	4	61,162.852	4,961.277	3	2.1
8255,093485	4379,594032		14885K46f	STWD	49	8255,093	3143,028		56	K	K46b	14885K46f	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
4005,350264	3481,508199		14907F85l	STWD	19	4005,35	3031,234		55	F	F85b	14907F85l	STWD	14	13	-1	5	61,162.852	4,961.277	-1	5.9
4332,211952	2834,033617		14915F76a	EGWD	37	4332,212	2760,499		7	F	F76a	14915F76a	EGWD	30	35	5	7	61,162.852	4,961.277	5	5.9
3865,471872	3255,915911		14923F86a	STWD	20	3865,472	3098,721		22	F	F86a	14923F86a	STWD	18	16	-2	2	61,162.852	4,961.277	-3	2.1
4849,181329	3263,111589		14931F76a	EGWD	36	4849,181	3481,15		3	F	F76a	14931F76a	EGWD	31	36	5	5	61,162.852	4,961.277	5	5.9
4761,50514	3491,599665		14958K91c	STWD	28	4761,505	3252,046		25	K	K91c	14958K91c	STWD	31	22	-9	-3	61,162.852	4,961.277	-9	-1.7
4451,218638	2590,753084		14982F89c	EGWD	48	4451,219	2320,592		9	F	F89c	14982F89c	EGWD	41	42	1	7	61,162.852	4,961.277	1	5.9
5042,952296	3617,564067		14982F89c	STWD	28	5042,952	3633,801		23	F	F89c	14982F89c	STWD	31	28	-3	-3	61,162.852	4,961.277	-3	-1.7
5822,181641	2729,903909		14990A08c	EGWD	42	5822,182	3568,236		5	A	A08d	14990A08c	EGWD	49	49	0	-7	61,162.852	4,961.277	-1	-5.5
6974,571034	4254,407308		14990A08c	STWD	43	6974,571	3988,34		77	A	A08d	14990A08c	STWD	42	40	-2	1	61,162.852	4,961.277	-3	2.1
5757,560099	3774,372996		15016K59a	STWD	34	5757,56	3778,884		27	K	K59a	15016K59a	STWD	38	34	-4	-4	61,162.852	4,961.277	-5	-5.5
7155,016622	4203,8387		15032K25c	STWD	49	7155,017	3572,074		47	K	K25b	15032K25c	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6761,483299	4141,46257		15032K26c	STWD	49	6761,483	3309,758		43	K	K26b	15032K26c	STWD	44	39	-5	5	61,162.852	4,961.277	-5	5.9
6778,418352	4203,725296		15032K26c	STWD	49	6778,418	3440,132		38	K	K26c	15032K26c	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
7566,321317	4345,772936		15040K25f	STWD	49	7566,321	3440,892		33	K	K25b	15040K25f	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
9813,675155	3749,18504		15059K59l	EGWD	49	9834,482	4886,886		56	K	K59a	15059K59l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6996,929765	4287,715079		15075K26f	STWD	49	6996,93	3479,171		42	K	K26b	15075K26f	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
7113,078611	4306,969122		15083K26f	STWD	49	7113,079	3518,136		43	K	K26b	15083K26f	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
6950,954099	3991,061722		15113N62l	EGWD	45	6950,954	3807,654		31	N	N62b	15113N62l	EGWD	40	42	2	5	61,162.852	4,961.277	1	5.9
7299,342906	4230,57182		15148K48f	STWD	49	7299,343	3446,224		30	K	K48b	15148K48f	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
6996,329328	4273,673111		15148K48c	STWD	49	6996,329	3450,188		75	K	K48c	15148K48c	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
4462,825798	2613,278158		15172F77f	EGWD	38	4462,826	2352,739		12	F	F77f	15172F77f	EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
7959,215521	3772,59002		15180A02l	EGWD	49	7959,217	5781,541		25	A	A02a	15180A02l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8014,840334	4584,440866		15180A02l	STWD	46	8014,84	4363,922		193	A	A02a	15180A02l	STWD	49	44	-5	-3	61,162.852	4,961.277	-5	-1.7
7434,435466	3450,298485		15180A02l	EGWD	49	7434,435	3670,917		15	A	A02b	15180A02l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8095,794142	4546,306837		15180A02l	STWD	47	8095,794	4286,63		241	A	A02b	15180A02l	STWD	49	44	-5	-2	61,162.852	4,961.277	-5	-1.7
8788,292091	3802,202911		15180A02c	EGWD	49	8788,292	3993,824		38	A	A02c	15180A02c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7890,640883	4468,805715		15180A02c	STWD	48	7890,641	4148,736		204	A	A02c	15180A02c	STWD	49	44	-5	-1	61,162.852	4,961.277	-5	-1.7
8771,37939	4223,762883		15180A02d	EGWD	49	8771,379	4012,599		4	A	A02d	15180A02d	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8290,580096	4664,15432		15180A02d	STWD	48	8290,58	4416,004		32	A	A02d	15180A02d	STWD	49	44	-5	-1	61,162.852	4,961.277	-5	-1.7
7827,744905	4304,14163		15180A03l	STWD	46	7827,745	3482,425		2	A	A03a	15180A03l	STWD	46	42	-4	0	61,162.852	4,961.277	-5	-1.7
7972,727273			15180A03l	EGWD		7972,727	3389,652		1	A	A03b	15180A03l	EGWD					61,162.852			
8438,035683	4557,661673		15180A03l	STWD	49	8438,036	4077,618		35	A	A03b	15180A03l	STWD	48	47	-1	1	61,162.852	4,961.277	-1	2.1
7740,717639			15180A03c	EGWD	49	7740,718	3198,242		2	A	A03c	15180A03c	EGWD	49	49	0	0	61,162.852		-1	-1.7
8654,822265	4569,99537		15180A03c	STWD	49	8654,822	3950,565		33	A	A03c	15180A03c	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
8835,318025			15180A03d	EGWD	49	8835,318	4158,18		2	A	A03d	15180A03d	EGWD					61,162.852			
7848,360507	4647,789068		15180A03c	STWD	48	7848,361	4111,226		37	A	A03d	15180A03c	STWD	48	47	-1	0	61,162.852	4,961.277	-1	-1.7
7753,067409	3535,351891		15180A03e	EGWD		7753,067	3453,969		3	A	A03e	15180A03e	EGWD					61,162.852	4,961.277		
8405,910671	4634,434151		15180A03e	STWD	48	8405,911	4423,181		36	A	A03e	15180A03e	STWD	47	45	-2	1	61,162.852	4,961.277	-3	2.1
8067,998212	4194,689331		15180A03g	EGWD	49	8067,998	3541,651		6	A	A03g	15180A03g	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7610,765061	4517,909531		15180A03j	STWD	44	7610,765	4617,969		78	A	A03g	15180A03j	STWD	46	41	-5	-2	61,162.852	4,961.277	-5	-1.7
7145,9157	3558,457024		15199A05l	EGWD	40	7145,916	3768,601		5	A	A05b	15199A05l	EGWD	46	47	1	6	61,162.852	4,961.277	1	-5.5
7458,54717	4334,623271		15199A05l	STWD	45	7458,55	4088,508		33	A	A05b	15199A05l	STWD	43	42	-1	2	61,162.852	4,961.277	-1	2.1
7539,370079			15202A02l	EGWD	49	7539,37			1	A	A02a	15202A02l	EGWD	49	49	0	0	61,162.852		-1	-1.7
7797,693368	4583,64542		15202A02l	STWD	41	7797,692	4719,251		31	A	A02a	15202A02l	STWD	46	41	-5	-5	61,162.852	4,961.277	-5	-5.5
7916,129032	3719,99368		15202A02l	EGWD	49	7916,129	4172,805		1	A	A02b	15202A02l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7429,183736	4525,130302		15202A02l	STWD	43	7429,184	4649,192		20	A	A02b	15202A02l	STWD	45	40	-5	-2	61,162.852	4,961.277	-5	-1.7
5271,317715	3610,102789		15210K90d	STWD	33	5271,318	3524,691		63	K	K90a	15210K90d	STWD	32	28	-4	1	61,162.852	4,961.277	-5	2.1
4191,455676	2898,694038		15245F77a	EGWD	30	4191,456	3149,464		6	F	F77a	15245F77a	EGWD	27	31	4	3	61,162.852	4,961.277	3	2.1
11033,85022	3838,491529		15253K49c	EGWD	49	11033,85	2596,482		15	K	K49a	15253K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
11679,42484	4305,472778		15261K49c	EGWD	49	11679,42	3000,299		20	K	K49a	15261K49c	EGWD					61,162.852	4,961.277		
4325,237996	2968,784137		15288F77a	EGWD	30	4325,238	3046,349		15	F	F77a	15288F77a	EGWD	25	31	6	5	61,162.852	4,961.277	5	5.9
5058,915305	3882,099621		15318F76t	STWD	6	5058,915	4854,677		56	F	F76b	15318F76t	STWD	12	12	0	-6	61,162.852	4,961.277	-1	-5.5
6475,447131	3847,276735		15369M56	STWD	49	6475,447	2657,067		25	M	M56b	15369M56	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
3323,992016	3356,272858		15377F82c	STWD	10	3323,992	3379,432		32	F	F82c	15377F82c	STWD	6	5	-1	4	61,162.852	4,961.277	-1	2.1
5450,581598	4074,4035		15385E37c	STWD	34	5450,582	4459,166		172	E	E37c	15385E37c	STWD	26	24	-2	8	61,162.852	4,961.277	-3	9.7
6754,807692	3947,642318		15393M30	STWD	49	6754,808	2900,695		4	M	M30b	15393M30	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
3827,126212	3578,236366		15415N69l	STWD	16	3827,126	3190,12		237	N	N69k	15415N69l	STWD	18	17	-1	-2	61,162.852	4,961.277	-1	-1.7
4055,012976	3311,924713		15423N69l	STWD	20	4055,013	3227,463		257	N	N69k	15423N69l	STWD	19	18	-1	1	61,162.852	4,961.277	-1	2.1
4067,962601	3325,145424		15431N69l	STWD	20	4067,963	3263,181		142	N	N69k	15431N69l	STWD	19	18	-1	1	61,162.852	4,961.277	-1	2.1
7071,56563	4178,412317		15466K44l	STWD	49	7071,566	3255,618		121	K	K44b	15466K44l	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
5457,304276	2750,143357		15474K91c	EGWD	49	5457,304	2378,093		27	K	K91c	15474K91c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4272,539796	2626,221343		15482N68c	EGWD	38	4272,54	2625,969		16	N	N68e	15482N68c	EGWD	35	37	2	3	61,162.852	4,961.277	1	2.1
4141,472358	2604,669728		15490N68c	EGWD	40	4141,472	2494,813		56	N	N68e	15490N68c	EGWD	36	37	1	4	61,162.852	4,961.277	1	2.1
3835,012727	3322,460556		15490N68l	STWD	11	3835,013	3423,98		232	N	N68e	15490N68l	STWD	9	7	-2	2	61,162.852	4,961.277	-3	2.1
4561,44454	2646,626332		15490N68l	EGWD	46	4561,445	2459,416		18	N	N68f	15490N68l	EGWD	39	42	3	7	61,162.852	4,961.277	3	5.9
3481,436497	3450,25132		15490N68l	STWD	5	3481,436	3650,483		6	N	N68f	15490N68l	STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
7276,138529	4041,1762		15512K47j	STWD	49	7276,139	2710,187		24	K	K47a	15512K47j	STWD	47	44	-3	2	61,162.852	4,961.277	-3	2.1
7786,15284	4155,919987		15512K47j	STWD	49	7786,153	2786,51		88	K	K47g	15512K47j	STWD	47	47	0	2	61,162.852	4,961.277	-1	2.1
7587,714097	4362,484666		15512K47j	STWD	49	7587,714	3267,589		102	K	K47j	15512K47j	STWD	45	44	-1	4	61,162.852	4,961.277	-1	2.1
8819,26161	4777,910233		15520K47t	STWD	49	8819,262	3640,564		9	K	K47b	15520K47t	STWD		45			61,162.852	4,961.277		
6778,151673			15539F87t	EGWD		6778,152			16	F	F87b	15539F87t	EGWD					61,162.852			
4109,52381	2703,104656		15555F81a	EGWD	28	4109,524	3490,77		1	F	F81a	15555F81a	EGWD	28	31	3	0	61,162.852	4,961.277	3	-1.7

6484,51264	2054,90818	[redacted]	15717M56	EGWO	49	6484,512	3258,372	[redacted]	12	M	M56a	15717M56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6495,418037	3955,045963		15717M56	STWO	49	6495,418	2833,485		123	M	M56a	15717M56	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
6399,331158	3046,544139		15717M56	EGWO	49	6399,331	3235,932		11	M	M56b	15717M56	EGWO	49	49	0	0	61,162.852	4,961.277	1	1.7
6394,92885	3885,19116		15717M56	STWO	49	6394,929	2678,247		77	M	M56b	15717M56	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
11421,2488	3848,345585		15725K49F	EGWO	49	11421,25	2629,102		26	K	K49f	15725K49F	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7349,110519	4051,667856		15725K49F	STWO	49	7349,111	2593,825		30	K	K49f	15725K49F	STWO	49	44	-5	0	61,162.852	4,961.277	-5	-1.7
6190,209945	3917,63589		15741K53L	STWO	49	6190,21	3040,615		65	K	K53b	15741K53L	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
5477,612927	2884,48027		15776K49J	EGWO	49	5477,613	2454,141		27	K	K49d	15776K49J	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7970,779289	4305,382087		15806K47F	STWO	49	7970,779	3166,282		71	K	K47f	15806K47F	STWO	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
6444,17309	4193,184007		15814E38C	STWO	49	6444,173	3274,233		33	E	E38d	15814E38C	STWO	37	35	-2	12	61,162.852	4,961.277	-3	13.5
5179,54242	3968,356376		15857F87C	STWO	28	5179,542	4191,956		64	F	F87c	15857F87C	STWO	27	24	-3	1	61,162.852	4,961.277	-3	2.1
8061,262154	4228,581043		15865K47J	STWO	49	8061,262	2719,724		29	K	K47a	15865K47J	STWO	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
10209,18018			15865K47J	EGWO	49	10209,18	3145,208		3	K	K47b	15865K47J	EGWO					61,162.852			
7970,823656	4318,515714		15865K47J	STWO	49	7970,824	3087,533		9	K	K47b	15865K47J	STWO		46			61,162.852	4,961.277		
6403,033348	3980,480512		15873K44C	EGWO	49	6403,033	2454,141		15	K	K44b	15873K44C	EGWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6919,23516	4280,756172		15873K44C	STWO	49	6919,235	3437,142		33	K	K44c	15873K44C	STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
5984,024646	3860,613434		15873K44C	STWO	49	5984,025	2956,092		19	K	K44d	15873K44C	STWO	40	35	-5	9	61,162.852	4,961.277	-5	9.7
7265,602019	4391,41888		15873K44E	STWO	49	7265,602	3545,986		15	K	K44e	15873K44E	STWO	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6986,126994	4251,513798		15881K44F	STWO	49	6986,126	3380,794		41	K	K44e	15881K44F	STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7
5523,240371	3672,928151		15903E38C	STWO	42	5523,24	3258,277		108	E	E38c	15903E38C	STWO	36	33	-3	6	61,162.852	4,961.277	-3	5.9
6119,603112	4043,153765		15903E38d	STWO	49	6119,603	3084,854		293	E	E38d	15903E38d	STWO	36	34	-2	13	61,162.852	4,961.277	-3	13.5
5580,014553	3854,820235		15903E39a	STWO	37	5580,015	3487,453		80	E	E39a	15903E39a	STWO	24	21	-3	13	61,162.852	4,961.277	-3	13.5
6047,050054	4048,242903		15903E41E	STWO	48	6047,05	3118,698		148	E	E41b	15903E41E	STWO	36	33	-3	12	61,162.852	4,961.277	-3	13.5
6013,548779	4031,854006		15903E41c	STWO	48	6013,549	3105,237		171	E	E41c	15903E41c	STWO	37	33	-4	11	61,162.852	4,961.277	-5	9.7
5813,835336	4187,336864		15903E42a	STWO	39	5813,835	4488,078		124	E	E42a	15903E42a	STWO	32	30	-2	7	61,162.852	4,961.277	-3	5.9
6080,638967	4037,216216		15903E42c	STWO	45	6080,639	3317,313		196	E	E42b	15903E42E	STWO	35	33	-2	10	61,162.852	4,961.277	-3	9.7
6373,849381	4126,438309		15903E42c	STWO	47	6373,849	3384,906		214	E	E42c	15903E42c	STWO	36	35	-1	11	61,162.852	4,961.277	-1	9.7
6419,257091	4136,556331		15903E42c	STWO	47	6419,257	3389,584		110	E	E42d	15903E42d	STWO	37	35	-2	10	61,162.852	4,961.277	-3	9.7
6507,622321	2835,210237		15903E43a	EGWO	49	6507,622	2403,957		18	E	E43a	15903E43a	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6344,746461	4016,063497		15903E43a	STWO	49	6344,746	2998,376		127	E	E43a	15903E43a	STWO	38	37	-1	11	61,162.852	4,961.277	-1	9.7
6803,720937	3013,125832		15903E43E	EGWO	49	6803,721	2523,172		6	E	E43b	15903E43E	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6758,98772	4111,703134		15903E43E	STWO	49	6758,988	3194,87		137	E	E43b	15903E43E	STWO	39	39	0	10	61,162.852	4,961.277	-1	9.7
3411,659222	2442,396026		15954F83a	EGWO	29	3411,659	2403,236		39	F	F83a	15954F83a	EGWO	26	28	2	3	61,162.852	4,961.277	1	2.1
3089,664144	3079,553096		15962F93a	STWO	5	3089,664	3145,592		145	T	T93g	15962F93a	STWO	5	5	0	0	61,162.852	4,961.277	-1	-1.7
5441,17368	3072,831531		15989A09I	EGWO	4	5441,17	4230,584		4	A	A09i	15989A09I	EGWO		48			61,162.852	4,961.277		
6638,931796	4233,403294		15989A09I	STWO	37	6670,662	4229,115		324	A	A09i	15989A09I	STWO	39	36	-3	-2	61,162.852	4,961.277	-3	-1.7
4542,791005	3243,829062		15997N62J	EGWO	30	4542,791	3183,49		12	N	N62a	15997N62J	EGWO	29	28	-1	1	61,162.852	4,961.277	-1	2.1
4629,266681	3227,08588		16047N62J	EGWO	32	4629,267	3129,535		44	N	N62a	16047N62J	EGWO	30	30	0	2	61,162.852	4,961.277	-1	2.1
4971,121722	3175,60313		16071N60I	EGWO	43	4971,122	3033,022		3	N	N60b	16071N60I	STWO	38	41	3	5	61,162.852	4,961.277	3	5.9
5025	4083,105108		16071N60I	STWO	39	5025	3449,995		1	N	N60b	16071N60I	STWO	28	27	-1	11	61,162.852	4,961.277	-1	9.7
7805,023176	4478,58406		16098A08C	STWO	37	7805,023	4937,138		43	A	A08a	16098A08C	STWO	43	42	-1	-6	61,162.852	4,961.277	-1	-5.5
3757,233625	3606,609253		16101N69I	STWO	5	3757,234	3981,239		64	N	N69i	16101N69I	STWO	7	7	0	-2	61,162.852	4,961.277	-1	-1.7
6529,706419			16128A04F	STWO	47	6529,706			9	A	A04f	16128A04F	STWO	43	40	-3	4	61,162.852		-3	2.1
7335,673422	4471,824896		16152A05F	STWO	31	7335,673	4896,248		123	A	A05f	16152A05F	STWO	40	37	-3	-9	61,162.852	4,961.277	-3	-9.3
7272,378693	4346,409569		16152E13a	STWO	49	7272,379	3688,973		48	E	E13a	16152E13a	STWO	44	40	-4	5	61,162.852	4,961.277	-5	5.9
7190,589505	4403,5914		16152E13E	STWO	32	7229,826	3742,08		25	E	E13b	16152E13E	STWO	39	35	-4	-7	61,162.852	4,961.277	-5	-5.5
6788,747508	4105,348507		16152E13c	STWO	44	6788,748	3445,244		45	E	E13c	16152E13c	STWO	42	39	-3	2	61,162.852	4,961.277	-3	2.1
8300,308668	4323,122243		16160A05F	STWO	31	8300,309	5125,694		20	A	A05f	16160A05F	STWO	40	37	-3	-9	61,162.852	4,961.277	-3	-9.3
5664,240035	4023,673938		16179E13c	STWO	35	5664,24	4441,39		75	E	E13d	16179E13c	STWO	33	28	-5	2	61,162.852	4,961.277	-5	2.1
6849,622036	4377,544003		16179E13c	STWO	41	6849,622	3974,715		113	E	E13e	16179E13c	STWO	40	36	-4	1	61,162.852	4,961.277	-5	2.1
7858,447145	4380,75904		16217A08I	STWO	40	7858,447	4727,025		10	A	A08b	16217A08I	STWO	46	44	-2	-6	61,162.852	4,961.277	-3	-5.5
6225,249897	4205,628375		16233E42a	STWO	43	6225,25	3556,795		152	E	E42a	16233E42a	STWO	35	32	-3	8	61,162.852	4,961.277	-3	9.7
6751,426927	4280,480484		16233E42c	STWO	47	6751,427	3566,299		183	E	E42b	16233E42E	STWO	38	36	-2	9	61,162.852	4,961.277	-3	9.7
7847,644443	4689,594241		16241E16E	STWO	49	7847,644	3854,9		149	E	E16b	16241E16E	STWO	44	43	-1	5	61,162.852	4,961.277	-1	5.9
7169,512177	4152,824066		16241E17a	STWO	49	7272,112	3117,687		21	E	E17a	16241E17a	STWO	46	43	-3	3	61,162.852	4,961.277	-3	2.1
7006,608774	4282,242605		16268E16E	STWO	49	7006,609	3379,074		53	E	E16b	16268E16E	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
5245,454545	2552,041806		16278M55	EGWO		5245,455	2398,798		1	M	M55e	16278M55	EGWO					61,162.852	4,961.277		
7894,178922	3386,413457		16278M55	EGWO	49	7894,179	3261,603		20	M	M55h	16278M55	EGWO		49			61,162.852	4,961.277		
5270,922365	3563,497005		16278M55	STWO	41	5270,922	2438,497		3	M	M55h	16278M55	STWO	31	31	0	10	61,162.852	4,961.277	-1	9.7
4190,89599	3759,121512		16284F76E	STWO	6	4190,896	4044,286		24	F	F76b	16284F76E	STWO	7	10	3	-1	61,162.852	4,961.277	3	-1.7
8428,571429	3921,846834		16306A07F	EGWO	49	8428,571	4880,897		1	A	A07h	16306A07F	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8223,855288	4603,646607		16306A07F	STWO	49	8223,855	4153,172		79	A	A07h	16306A07F	STWO	47	44	-3	2	61,162.852	4,961.277	-3	2.1
8181,601181	4021,718405		16314A02E	EGWO	49	8181,601	4072,779		2	A	A02c	16314A02E	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7903,57236	4613,939243		16314A02E	STWO	45	7903,572	4316,773		26	A	A02c	16314A02E	STWO	46	41	-5	-1	61,162.852	4,961.277	-5	-1.7
7692,017476	4576,819018		16314A02E	STWO	43	7692,017	4667,266		23	A	A02d	16314A02E	STWO	45	44	-1	-2	61,162.852	4,961.277	-1	-1.7
7011,207715			16330M57	EGWO	49	7011,208			9	M	M57a	16330M57	EGWO	44	47	3	5	61,162.852		3	5.9
7015,132793	4192,642718		16373K52c	STWO	49	7015,133	3301,414		42	K	K52d	16373K52c	STWO	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7142,979724	2942,899496		16373K54C	EGWO	49	7142,979	2888,742		1	K	K54c	16373K54C	EGWO		49			61,162.852	4,961.277		
6812,424669	4152,426936		16373K54C	STWO	49	6812,425	3288,798		156	K	K54c	16373K54C	STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6162,95784	4151,941021		16411M28	STWO	37	6162,958	4311,948		39	M	M28d	16411M28	STWO	35	32	-3	2	61,162.852	4,961.277	-3	2.1
6228,56602	4114,585582		16438M28	STWO	37	6228,566	4385,437		53	M	M28d	16438M28	STWO	36	33	-3	1	61,162.852	4,961.277	-3	2.1
4200,659158	3635,210267		16454N68	STWO	16	4200,659	3485,884		264	N	N68c	16454N68	STWO	13	13	0	3	61,162.852	4,961.277	-1	2.1
3967,442936			16454N68	STWO	18	3967,443	3089,302		47	N	N68d	16454N68	STWO	8	12	4	10	61,162.852		3	9.7
4303,755634	3445,583098		16454N69	STWO	19	4303,756	3457,024		27	N	N69j	16454N69	STWO	23	20	-3	-4	61,162.852	4,961.277	-3	-5.5
4533,451056	2533,6588		16454N70I	EGWO	49	4533,451	2235,606		14	N	N70b	16454N70I	EGWO	43	44	1	6	61,162.852	4,961.277	1	5.9
5121,209651	3964,88225		16454N70I	STWO	25	5121,21	3755,446		212	N	N70b	16454N70I	STWO	19	22	3	6	61,162.852	4,961.277	3	5.9
6073,348998	3752,634215		16462K48c	STWO		6073,349	2583,589		3	K	K48e	16462K48c	STWO					61,162.852	4,961.277		
5336,280488	3701,165732		16470N63i	EGWO	40	5336,28	3441,918		8	N	N63a	16470N63i	EGWO	29	31	2	11	61,162.852	4,961.277	1	9.7
6846,042048	4205,21689		16489K53c	STWO	48	6846,042	3546,039		209	K	K53a	16489K53c	STWO	41	39	-2	7	61,162.852	4,961.277	-3	5.9
6782,506667	3961,722655		16500N62I	EGWO	44	6762,507	3756,886		40	N	N62b	16500N62I	EGWO	39	41	2	5	61,162.852	4,961.277	1	5.9
3721,554642	3497,527705		16535N68I	STWO	15	3721,555	3143,069		97	N	N68h	16535N68I	STWO	16	12	-4	-1	61,162.852	4,961.277	-5	-1.7
5826,10886	2885,50607		16578K90c	EGWO	49	5826,109	2439,626		25	K	K90c	16578K90c	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4040,357471	2711,434519		16594F83a	EGWO	31	4040,357	2771,503		35	F	F83a	16594F83a	EGWO	30	33	3	1	61,162.852	4,961.277	3	2.1
6942,170787	4817,129709		16608M55	STWO	42	6942,171	4032,107		44	M	M55h	16608M55	STWO	31	31	0	11	61,162.852	4,961.277	-1	9.7
6858,207209	4214,077249		16616M30	STWO	49	6858,207	3462,362		39	M	M30b	16616M30	STWO	41	38	-3	8	61,162.852	4,961.277	-3	9.7
4153,227205	2677,353007		16624F83a	EGWO	36	4153,227	2482,192		8	F	F83a	16624F83a	EGWO	34	36	2	2	61,162.852	4,961.277	1	2.1
5961,836446	4056,556331		16632M31	STWO	36	5961,836	4371,259		139	M	M31b	16632M31	STWO	32	30	-2	4	61,162.852	4,961.277	-3	2.1
5176,406776	3865,994229		16632M31	STWO	28	5176,407	4257,4		188	M	M31c	16632M31	STWO	27	27	0	1	61,162.852	4,961.277	-1	2.1
5624,780809	3917,705714		16632M32	STWO	32	5624,781	4597,822		35	M	M32a	16632M32	STWO	30	27	-3	2	61,162.852	4,961.277	-3	2.1
5220,147385	2588,172177		16632M32	EGWO		5410,959	2332,018		1	M	M32b	16632M32	EGWO					61,162.852	4,961.277		
5764,445953	3942,774562		16632M32	STWO	35	5764,446	4257,081		94	M	M32b	16632M32	STWO	33	31	-2	2	61,162.852	4,961.277	-3	2.1
4421,403	3836,063638		16675F85c	STWO	9	4421,403	4183,517		36	F	F85c	16675F85c	STWO	15	13	-2	-6	61,162.852	4,961.277	-3	-5.5
5423,888889	3628,696462		16691E36E	STWO		5423,889	2506,781		2	E	E36b	16691E36E	STWO					61,162.852	4,961.277		
3441,675191	2603,31377		16758F81e	EGWO	25	3441,675	2419,452		31	F	F81e	16758F81e	EGWO	23	25	2	2	61,162.852	4,961.277	1	2.1
3754,34932	3293,956404		16764N69I	STWO	13	3754,349	3255,772		15	N	N69m	16764N69I	STWO	11	12	1	2	61,162.852	4,961.277	1	2.1
4263,193476			16772F81E	EGWO	28	4263,193	2894,162		8	F	F81e	16772F81E	EGWO	28	30	2	0	61,162.852		1	-1.7
4598,096656	2639,47674		16780N69I	EGWO	41	4598,097	2332,441		12	N	N69m	16780N69I	EGWO	31	35	4	10	61,162.852	4,961.277	3	9.7
7468,737329	4314,065556		16799E21a	STWO	49	7468,737	3258,22		197	E	E21a	16799E21a	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7588,476558	4418,34987		16802E21a	STWO	49	7588,477	3398,724		40	E	E21a	16802E21a	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
9807,70665	3534,949955		16810K47a	EGWO	49	9807,707	4257,061		20	K	K47e	16810K47a	EGWO		49			61,162.852	4,961.277		
7659,517538	4263,271027		16810K47E	STWO	49	7659,518	2543,634		24	K	K47e	16810K47E	STWO	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
3903,231917	2482,829853		16829F82d	EGWO	41	3903,232	2282,12		17	F	F82d	16829F82d	EGWO	34	36	2	7	61,162.852	4,961.277	1	5.9
3400	2836,192891		16829F82d	STWO	18	3400	2741,19		5	F	F82d	16829F82d	STWO	17	16	-1	1	61,162.852	4,961.277	-1	2.1
3995,295075	2868,642868		16853F78E	EGWO	28	3995,295	2967,399		21	F	F78b	16853F78E	EGWO	24	28	4	4	61,162.852	4,961.277	3	2.1
4115,13618	2897,405015		16942F78E	EGWO	27	4115,136	2983,2		31	F	F78d	16942F78E	EGWO	25	29	4	2	61,162.852	4,961.277	3	2.1
7607,639992	4528,038889		16950E14E	STWO	47	7607,64	3659,864		39	E	E14b	16950E14E	STWO	43	42	-1	4	61,162.852	4,961.277	-1	2.1
7367,354458	4295,102166		16950E16a	STWO	49	7367,354	3384,519		51	E	E16a	16950E16a	STWO	43	38	-5	6	61,162.852	4,961.277	-5	5.9
5095,628457	3236,684051		16985N66	EGWO	36	5095,628	3232,382		54	N	N66d	16985N66	EGWO	34	36	2	2	61,162.852	4,961.277	1	2.1
7012,077473	3329,647267		17019K44	EGWO	49	7012,077	3532,398		16	K	K44a	17019K44	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6128,67473	3878,478936		17019K44	STWO	47	6128,675	3798,934		14	K	K44a	17019K44	STWO	36	35	-1	11	61,162.852	4,961.277	-1	9.7
7188,017591			17019K44	STWO	49	7188,018			5	K	K44e	17019K44	STWO	42	40	-2	7	61,162.852		-3	5.9
7415,052419	3418,856666		17027K44	EGWO	49	7415,062	3406,633		37	K	K44a	17027K44	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7413,446738			17027K44	STWO	49	7413,447			22	K	K44a	17027K44	STWO	41	39	-2	8	61,162.852		-3	9.7
6198,656035	3374,573543		17027K44	EGWO	49	6198,656	3407,982		6	K	K44e	17027K44	EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1
6734,649227	4359,767918		17027K44	STWO	49	6734,649	3474,831		42	K	K44e	17027K44	STWO	42	40	-2	7	61,162.852	4,961.277	-3	5.9
4471,684638	2868,012776		17035F76a	EGWO	37	4471,685	2803,729		21	F	F76a	17035F76a	EGWO	30	36	6	7	61,162.852	4,961.277	5	5.9
8014,83021	4197,049354		17043K47E	STWO	49	8014,83	2612,508		4	K	K47e	17043K47E	STWO	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
8709,571834	4539,139316		17043K47f	STWO	49	8709,972	3340,836		25	K	K47f	17043K47f	STWO	48	46	-2	1	61,162.852	4,961.277	-3	2.1
9408,184478			17051K47c	EGWO	49	9408,184	2895,334		3	K	K47c	17051K47c	EGWO		49			61,162.852			
8433,799166	3989,18428		17051K47c	STWO		8433,799	2422,827		42	K	K47c	17051K47c	STWO	41	39	-2	8	61,162.852	4,961.277		
10195,23671			17051K47c	EGWO	49	10195,24	3266,809		4	K	K47d	17051K47c	EGWO					61,162.852			
8496,744891	4218,986117		17051K47c	STWO		8496,745	2789,386		30	K	K47d	17051K47c	STWO					61,162.852	4,961.277		
8956,808514			17051K47c	EGWO	49	8956,809	2330,109		2	K	K47e	17051K47c	EGWO					61,162.852			
7854,917166	4387,498781		17051K47E	STWO	49	7854,917	2767,743		7	K	K47e	17051K47E	STWO	44	47	3	5	61,162.852	4,961.277	3	5.9
11705,92866	4314,381612		17051K47f	EGWO	49	11705,93	2874,099		6	K	K47f	17051K47f	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7803,480442	4352,630084		17051K47f	STWO	49	7803,48	2705,211		25	K	K47f	17051K47f	STWO	48	46	-2	1	61,162.852	4,961.277	-3	2.1
5604,643795	4015,25164		17068E39c	STWO	35	5604,644	3662,807		50	E	E39c	17068E39c	STWO	29	28	-1	6	61,162.852	4,961.277	-1	5.9
7640,3149	4395,857769		17094E19a	STWO	49	7654,682	3727,264		126	E	E19a	17094E19a	STWO	45	42	-3	4	61,162.852	4,961.277	-3	2.1
6732,860865	4341,590188		17094E19E	STWO	31	6732,861	4646,816		146	E	E19b	17094E19E	STWO	35	35	0	-4	61,162.852	4,961.277	-1	-5.5
7499,426061	4405,119371		17094E19c	STWO	49	7499,426	3759,514		184	E	E19c	17094E19c	STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6709,677419	3248,114247		17094E20a	EGWO	46	6709,677	3590,565		1	E	E20a	17094E20a	EGWO		49			61,162.852	4,961.277		
7929,417013	4312,924386		17094E20a	STWO	49	7929,417	3151,422		114	E	E20a	17094E20a	STWO	48	46	-4	1	61,162.852	4,961.277	-5	2.1
7276,869333	4377,295809		17094E20c	STWO	49	7276,869	3828,831		51	E	E20c	17094E20c	STWO	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7791,890663	4412,079725		17094E21a	STWO	49	7791,891	3488,822		189	E	E21a	17094E21a	STWO	44	43	-1	5	61,162.852	4,961.277	-1	5.9
7843,218665	4471,464479		17108E19a	STWO	49	7850,318	3706,492		294	E	E19a	17108E19a	STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6612,326441	4221,385456		17108E19E	STWO	41	6619,621	3750,476		223	E	E19b	17108E19E	STWO	36	36	0	5	61,162.852	4,961.277	-1	5.9
7032,517157	4388,836415		17108E19c	STWO	43	7032,517	4136,434		98	E	E19c	17108E19c	STWO	41	37	-4	2	61,162.852	4,961.277	-5	2.1
6576,500691	4033,476432		17124E75a	STWO	49	6576,501	3328,499		60	E	E75a	17124E75a	STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7
4157,948942	3714,887354		17159F77C	STWO	9	4157,949	4085,181		40	F	F77c	17159F77C	STWO	8	11	3	1	61,162.852	4,961.277	1	2.1
4844,324498	2686,083753		17175F89E	EGWO	37	4882,329	2639,375		57	F	F89b	17175F89E	EGWO	36	38	2	1	61,162.852	4,961.277	1	2.1
4768,399348	4094,146763		17175F89E	STWO	21	4768,399	3785,761		641	F	F89b	17175F89E	STWO	15	13	-2	6	61,162.852	4,961.277	-3	5.9
6622,156532	4239,24691		17183E41E	STWO	49	6622,157	3300,296		93	E	E41b	17183E41E	STWO	38	36	-2	11	61,162.852	4,961.277	-3	9.7
4484,517869	3728,116485		17191E39a	STWO	27	4484,518	3846,904		104	E	E39a	17191E39a	STWO	20	17	-3	7	61,162.852	4,961.277	-3	5.9
6377,723897	4388,880345		17205M55	STWO	37	6377,724	4006,868		212	M	M55b	17205M55	STWO	27	27	0	10	61,162.852	4,961.277	-1	9.7
5818,793658	3753,778749		17205M55	STWO	49	5818,794	2731,987		20	M	M55d	17205M55	STWO	39	35	-4	10	61,162.852	4,961.277	-5	9.7
7960,000329	4056,700321		17221M27	STWO

7028,690416	3327,373959	[redacted]	17396E18i	EGWO	49	7189,807	3062,553	[redacted]	5	E	E18a	17396E18a	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7662,87381	4393,514266		17396E18i	STWO	49	7662,874	3691,476		48	E	E18a	17396E18a	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7794,16278	3526,807233		17396E18i	EGWO	45	8048,736	3608,665		8	E	E18b	17396E18b	EGWO	45	45	0	0	61,162.852	4,961.277	1	1.7
7277,735933	4391,672256		17396E18i	STWO	49	7277,736	3579,864		59	E	E18b	17396E18b	STWO	42	39	-3	7	61,162.852	4,961.277	-3	5.9
6862,940825	4274,259448		17418E37i	STWO	49	6862,941	3423,492		110	E	E37d	17418E37d	STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
3876,398961	2466,134478		17426F76a	EGWO	36	3876,399	2311,581		9	F	F76a	17426F76a	EGWO	29	36	7	7	61,162.852	4,961.277	7	5.9
4234,789406	2895,544866		17434F78i	EGWO	31	4234,789	2941,962		21	F	F78b	17434F78b	EGWO	27	32	5	4	61,162.852	4,961.277	5	2.1
3682,136312	3417,070786		17434F78i	STWO	31	3682,136	2807,26		4	F	F78b	17434F78b	STWO	20	21	1	11	61,162.852	4,961.277	1	9.7
6845,37041	4257,408236		17442K26i	STWO	49	6845,37	3467,814		142	K	K26a	17442K26i	STWO	39	38	-1	10	61,162.852	4,961.277	-1	9.7
3730,577525	2568,64889		17450F81e	EGWO	28	3730,578	2643,506		11	F	F81e	17450F81e	EGWO	30	31	1	-2	61,162.852	4,961.277	1	-1.7
9056,28035			17469K47i	EGWO	49	9056,28	3065,252		12	K	K47b	17469K47i	EGWO					61,162.852			
8089,118872	4269,41545		17469K47i	STWO	49	8089,119	2816,657		94	K	K47b	17469K47i	STWO		46			61,162.852	4,961.277		
6500,108202	4133,459788		17477E41i	STWO	49	6500,108	3170,203		25	E	E41b	17477E41i	STWO	38	36	-2	11	61,162.852	4,961.277	-3	9.7
4620,896355	2987,081603		17485F86i	EGWO	39	4620,896	2542,601		8	F	F86a	17485F86a	EGWO	38	35	-3	1	61,162.852	4,961.277	-3	2.1
3754,960839	3544,134711		17485F86i	STWO	19	3754,336	2807,26		90	F	F86a	17485F86a	STWO	14	14	0	5	61,162.852	4,961.277	-1	5.9
3915,719088	2493,851619		17493F82i	EGWO	42	3915,719	2278,043		22	F	F82d	17493F82d	EGWO	34	36	2	8	61,162.852	4,961.277	1	9.7
4037,264151	3293,516586		17493F82i	STWO	23	4037,264	2419,54		12	F	F82d	17493F82d	STWO	16	18	2	7	61,162.852	4,961.277	1	5.9
7208,562367	4443,303172		17507E18i	STWO	49	7208,562	3628,977		14	E	E18b	17507E18b	STWO	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6808,94169	4071,393209		17507E19i	STWO	41	6808,942	3247,261		99	F	F19b	17507E19b	STWO	58	56	0	5	61,162.852	4,961.277	-1	5.9
6632,658627	4253,261656		17507E19i	STWO	44	6632,659	3659,348		63	E	E19c	17507E19c	STWO	37	34	-3	7	61,162.852	4,961.277	-3	5.9
7681,379593	4567,083027		17507E20c	STWO	49	7681,38	3630,41		88	E	E20c	17507E20c	STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9
7726,561636	4496,571573		17507E21a	STWO	49	7726,562	3481,268		96	E	E21a	17507E21a	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
2409,031929	3529,847397		17523F89i	STWO	18	2409,032	3506,988		90	F	F89b	17523F89b	STWO	21	14	-7	-3	61,162.852	4,961.277	-7	-1.7
4484,839468	4255,887703		17531F83i	STWO	16	4484,839	3750,708		33	F	F83b	17531F83b	STWO	7	5	-2	9	61,162.852	4,961.277	-3	9.7
4273,321963	2830,166302		17558N66i	EGWO	34	4273,322	2814,672		25	N	N66d	17558N66i	EGWO	34	34	0	0	61,162.852	4,961.277	-1	-1.7
4352,541176	3349,29475		17566F86i	STWO	33	4352,941	3027,998		1	F	F86b	17566F86b	STWO		23			61,162.852	4,961.277		
3887,293006	2409,514639		17574F82e	EGWO	43	3887,293	2207,107		22	F	F82d	17574F82e	EGWO	35	38	3	8	61,162.852	4,961.277	3	9.7
4004,150315	3202,226184		17574F82e	STWO	23	4004,15	2919,442		23	F	F82d	17574F82e	STWO	22	20	-2	1	61,162.852	4,961.277	-3	2.1
4170,821791	2901,966524		17582F78i	EGWO	30	4170,822	2942,066		27	F	F78b	17582F78i	EGWO	26	31	5	4	61,162.852	4,961.277	5	2.1
3641,888835	3248,928714		17582F78i	STWO	31	3641,884	2146,5		5	F	F78b	17582F78i	STWO	20	21	1	11	61,162.852	4,961.277	1	9.7
4413,113619	3576,181297		17612F86a	STWO	22	4413,114	3488,756		110	F	F86a	17612F86a	STWO	20	17	-3	2	61,162.852	4,961.277	-3	2.1
4910,604661	3634,547489		17612F86i	STWO	31	4910,605	3371,568		169	F	F86b	17612F86b	STWO	28	26	-2	3	61,162.852	4,961.277	-3	2.1
5230,734315	3744,191701		17612F86f	STWO	33	5230,734	3528,453		176	F	F86f	17612F86f	STWO	29	28	-1	4	61,162.852	4,961.277	-1	2.1
4029,707199	3507,248944		17647F78c	STWO	10	4029,707	3651,555		148	F	F78c	17647F78c	STWO	12	13	1	-2	61,162.852	4,961.277	1	-1.7
10293,15595	3996,6384		17655K49c	EGWO	49	10293,16	2435,934		4	K	K49d	17655K49c	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7105,331638	4052,338044		17655K49c	STWO	49	7105,332	2522,289		73	K	K49d	17655K49c	STWO	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
6380,295677	3944,820655		17663E15c	STWO	33	6380,296	3898,938		82	E	E15d	17663E15c	STWO	39	38	-1	-6	61,162.852	4,961.277	-1	-5.5
6353,490975	4212,026618		17663E37c	STWO	48	6353,491	3319,903		84	E	E37d	17663E37c	STWO	35	33	-2	13	61,162.852	4,961.277	-3	13.5
6323,073636	4166,344911		17663E37e	STWO	49	6323,074	3175,427		16	E	E37e	17663E37e	STWO	36	34	-2	13	61,162.852	4,961.277	-3	13.5
6053,039794	4066,578548		17663E38c	STWO	46	6053,04	3222,822		43	E	E38d	17663E38c	STWO	35	32	-3	11	61,162.852	4,961.277	-3	9.7
6056,893331	4518,527615		17663E39c	STWO	35	6056,892	3502,162		487	E	E39b	17663E39c	STWO	27	25	-2	8	61,162.852	4,961.277	-3	9.7
6507,164386	4121,303677		17663E40e	STWO	49	6507,164	3034,581		44	E	E40b	17663E40e	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
5666,754923	3768,026102		17663E40c	STWO	49	5666,255	2637,754		7	E	E40c	17663E40c	STWO	37	33	-4	12	61,162.852	4,961.277	-5	13.5
6580,002648	4166,982437		17663E41a	STWO	49	6580,003	3196,349		54	E	E41a	17663E41a	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
5732,702201	3910,351023		17663E41i	STWO	48	5732,702	2965,699		23	E	E41b	17663E41b	STWO	37	32	-5	11	61,162.852	4,961.277	-5	9.7
6351,507855	4165,366085		17663E41c	STWO	49	6351,508	3243,364		17	E	E41c	17663E41c	STWO	37	34	-3	12	61,162.852	4,961.277	-3	13.5
11711,13012			17671K46i	EGWO	49	11711,13	2854,816		13	K	K46a	17671K46i	EGWO					61,162.852			
7760,860104	4347,935693		17671K46i	STWO	49	7760,861	2664,634		21	K	K46a	17671K46i	STWO					61,162.852	4,961.277		
4627,6863	2699,027467		17698F85i	EGWO	45	4627,686	2518,116		17	F	F85b	17698F85E	EGWO	38	42	4	7	61,162.852	4,961.277	3	5.9
6682,627072	4141,897085		17728E75i	STWO	49	6682,627	3347,251		91	E	E75b	17728E75i	STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
5234,381135	4013,54764		17736E39c	STWO	23	5234,381	4212,023		67	E	E39d	17736E39c	STWO	30	23	-7	-7	61,162.852	4,961.277	-7	-5.5
4203,665636	3522,950271		17752F82d	STWO	16	4203,666	3519,083		371	F	F82d	17752F82d	STWO	19	16	-3	-3	61,162.852	4,961.277	-3	-1.7
5301,211427	2808,16622		17760F86E	EGWO	49	5301,211	2674,621		18	F	F86b	17760F86E	EGWO	39	47	8	10	61,162.852	4,961.277	7	9.7
4152,201877			17779F86a	STWO	27	4152,202	2985,585		11	F	F86a	17779F86a	STWO	14	19	5	13	61,162.852		5	13.5
5903,225806	3741,736242		17787M58	STWO		5903,226	2404,63		1	M	M58e	17787M58	STWO					61,162.852	4,961.277		
9475,62599	3399,011526		17809K47c	EGWO	49	9475,626	2389,536		3	K	K47c	17809K47c	EGWO		49			61,162.852	4,961.277		
8193,414325	4273,540691		17809K47c	STWO	49	8193,414	2828,545		30	K	K47c	17809K47c	STWO		48			61,162.852	4,961.277		
4392,556705	3853,928706		17817F78c	STWO	7	4392,557	4343,142		32	F	F78c	17817F78c	STWO	10	12	2	-3	61,162.852	4,961.277	1	-1.7
3862,43685	3655,235317		17825F76a	STWO	6	3862,437	3960,114		72	F	F76a	17825F76a	STWO	6	7	1	0	61,162.852	4,961.277	1	-1.7
5864,051649	3989,747966		17841N60i	STWO	42	5864,062	3404,781		8	N	N60a	17841N60i	STWO	27	32	5	15	61,162.852	4,961.277	5	13.5
6799,743015	4106,473383		17868K48f	STWO	49	6799,743	3702,593		112	K	K48f	17868K48f	STWO	43	39	-4	6	61,162.852	4,961.277	-5	5.9
6852,987188	4211,118458		17876E37c	STWO	49	6852,987	3468,679		113	E	E37d	17876E37c	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6347,786611	3927,123363		17892M33	STWO	37	6347,787	3999,433		295	M	M33c	17892M33	STWO	41	38	-3	-4	61,162.852	4,961.277	-3	-5.5
6338,703422	3924,143382		17906M31	STWO	42	6338,703	3957,624		23	M	M31a	17906M31	STWO	40	37	-3	2	61,162.852	4,961.277	-3	2.1
7173,008535			17906M31	STWO	36	7173,009	5617,321		8	M	M31b	17906M31	STWO	37	34	-3	-1	61,162.852		-3	-1.7
6749,034984	4334,540117		17906M32	STWO	42	6749,035	3711,197		30	M	M32a	17906M32	STWO	37	36	-1	5	61,162.852	4,961.277	-1	5.9
6725,584992	4256,6985		17914M32	STWO	42	6725,985	3625,477		11	M	M32a	17914M32	STWO	39	37	-2	3	61,162.852	4,961.277	-3	2.1
9962,321812	4294,609035		17914M32	STWO	47	9962,349	4542,847		299	M	M31a	17922M31	STWO	39	37	-2	8	61,162.852	4,961.277	-3	9.7
6871,931078	4240,72298		17922M31	STWO	46	6871,931	3540,668		215	M	M31b	17922M31	STWO	39	37	-2	7	61,162.852	4,961.277	-3	5.9
6664,751774	4205,208914		17922M32	STWO	42	6664,752	3553,739		164	M	M32a	17922M32	STWO	39	37	-2	3	61,162.852	4,961.277	-3	2.1
6989,95452	4026,609531		17930K52c	STWO	49	6989,955	2886,27		268	K	K52c	17930K52c	STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6637,339833	2979,693495		17957M55	EGWO	49	6637,34	2792,674		8	M	M55h	17957M55	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5802,134921	3831,337265		17957M55	STWO	41	5802,135	3336,882		34	M	M55h	17957M55	STWO	33	34	1	8	61,162.852	4,961.277	1	9.7
3868,361219	3605,01095		17965E37c	STWO	34	3868,361	3852,726		47	E	E37c	17965E37c	STWO	25	23	-2	9	61,162.852	4,961.277	-3	9.7
5183,673469	3205,063018		17973A01i	EGWO	24	5183,673	4244,323		1	A	A01b	17973A01i	EGWO	38	43	5	-14	61,162.852	4,961.277	5	-13.1
225596,6017	59543,95144		17981N68i	STWO	26	225596,6	35011,18		349	N	N68a	17981N68i	STWO	12	22	10	14	182,011.32	56,671.179	9	13.5
3848,220896	2946,076591		17981N68i	STWO	15	3848,221	2832,076		124	N	N68b	17981N68i	STWO	17	12	-5	-2	61,162.852	4,961.277	-5	-1.7
7084,692288	4358,795935		18007E14c	STWO	49	7084,692	3485,655		164	E	E14d	18007E14c	STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7
7002,787685	4294,8961		18007E14e	STWO	49	7002,788	3417,81		76	E	E14e	18007E14e	STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7
7428,872694	4288,345574		18015M58	STWO		7428,873	3710,34		711	M	M58j	18015M58	STWO					61,162.852	4,961.277		
6238,305247	4008,369741		18066A04	STWO	44	6238,305	3409,922		48	A	A04a	18066A04	STWO	39	35	-4	5	61,162.852	4,961.277	-5	5.9
7539,05472	4080,492403		18074K47f	STWO	49	7539,055	2669,823		57	K	K47f	18074K47f	STWO	45	46	1	4	61,162.852	4,961.277	1	2.1
6804,26057	3958,391004		18074K47g	STWO	49	6804,261	2684,959		48	K	K47g	18074K47g	STWO	43	42	-1	6	61,162.852	4,961.277	-1	5.9
4959,859629	3188,518726		18112F81e	EGWO	28	4959,86	3679,883		8	F	F81e	18112F81e	EGWO	28	30	2	0	61,162.852	4,961.277	1	-1.7
3353,741497	2241,563679		18120F77a	EGWO	33	3353,741	2234,474		7	F	F77a	18120F77a	EGWO	29	30	1	4	61,162.852	4,961.277	1	2.1
4452,512303	3580,455534		18120F77a	STWO	12	4452,512	3020,218		6	F	F77a	18120F77a	STWO	12	13	1	0	61,162.852	4,961.277	1	-1.7
4337,800567	2817,576614		18201F76a	EGWO	37	4337,801	2720,702		31	F	F76a	18201F76a	EGWO	30	35	5	7	61,162.852	4,961.277	5	5.9
4758,154231	3831,546667		18236F85E	STWO	17	4758,154	3980,779		45	F	F85b	18236F85E	STWO	18	19	1	-1	61,162.852	4,961.277	1	-1.7
4570,881183	3898,237606		18236F85c	STWO	8	4570,881	4244,42		31	F	F85c	18236F85c	STWO	19	14	-5	-11	61,162.852	4,961.277	-5	-9.3
4304,841168	3534,002176		18236F89a	STWO	23	4304,841	2821,701		52	F	F89a	18236F89a	STWO	18	18	0	5	61,162.852	4,961.277	-1	5.9
4256,449593	3419,219372		18236F89E	STWO	23	4256,45	3101,118		151	F	F89b	18236F89E	STWO	16	19	3	7	61,162.852	4,961.277	3	5.9
4479,38614	3503,877741		18244F86E	STWO	29	4479,386	3186,164		65	F	F86b	18244F86E	STWO	23	22	-1	6	61,162.852	4,961.277	-1	5.9
4838,710194	3767,212103		18244F86e	STWO	25	4838,71	3642,896		136	F	F86e	18244F86e	STWO	23	22	-1	2	61,162.852	4,961.277	-1	2.1
4304,737652	3780,115648		18279F89a	STWO	13	4304,738	4039,991		32	F	F89a	18279F89a	STWO	13	13	0	0	61,162.852	4,961.277	-1	-1.7
4111,09897	3844,800529		18287F76E	STWO	5	4111,099	4293,255		64	F	F76b	18287F76E	STWO	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
6810,967138	3938,772524		18317M56	STWO	49	6810,967	2733,561		72	M	M56b	18317M56	STWO	43	42	-1	6	61,162.852	4,961.277	-1	5.9
7290,54784	3031,114013		18341E21E	EGWO	49	7290,548	2189,822		6	E	E21b	18341E21E	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4437,957877	2695,587564		18368F85E	EGWO	43	4437,958	2549,815		16	F	F85b	18368F85E	EGWO	37	39	2	6	61,162.852	4,961.277	1	5.9
4487,589474	2639,246717		18376F86a	EGWO	44	4487,589	2474,192		17	F	F86a	18376F86a	EGWO	38	41	3	6	61,162.852	4,961.277	3	5.9
4084,615385	3272,153846		18376F86a	STWO	24	4084,615	2771,36		1	F	F86a	18376F86a	STWO	19	19	0	5	61,162.852	4,961.277	-3	5.9
4427,477477	3003,623752		18384F89E	EGWO	31	4427,477	3049,654		30	F	F89b	18384F89E	EGWO	29	32	3	2	61,162.852	4,961.277	3	2.1
5131,789412	3180,463155		18392F76a	EGWO	36	5131,789	3271,414		15	F	F76a	18392F76a	EGWO	35	38	3	1	61,162.852	4,961.277	3	2.1
4481,379326	3878,646215		18392F76a	STWO	7	4481,379	4327,481		40	F	F76a	18392F76a	STWO	11	13	2	-4	61,162.852	4,961.277	1	-5.5
4516,717949	2667,438577		18414F89c	EGWO	47	4516,718	2377,832		9	F	F89c	18414F89c	EGWO	39	41	2	8	61,162.852	4,961.277	1	9.7
6927,083333	2916,426009		18422M56	EGWO	49	6927,083	2605,325		1	M	M56c	18422M56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6173,488744	3886,954557		18422M56	STWO	49	6173,489	2924,808		193	M	M56c	18422M56	STWO	38	36	-2	11	61,162.852	4,961.277	-3	9.7
4563,54941	2708,23142		18430F85i	EGWO	44	4563,547	2564,347		17	F	F85b	18430F85E	EGWO	38	40	2	6	61,162.852	4,961.277	1	5.9
7917,396861	4241,736601		18449K46i	STWO	49	7917,397	2711,535		146	K	K46a	18449K46a	STWO					61,162.852	4,961.277		
11135	3999,323619		18449K47c	EGWO	49	11135	3828,742		2	K	K47c	18449K47c	EGWO		49			61,162.852	4,961.277		
8411,924492			18449K47c	STWO		8411,924			52	K	K47c	18449K47c	STWO					61,162.852			
9453,54092			18449K47d	EGWO	49	9453,541	3045,5		14	K	K47d	18449K47d	EGWO					61,162.852			
8341,33925	4287,980665		18449K47i	STWO		8341,339	2793,228		225	K	K47d	18449K47d	STWO					61,162.852	4,961.277		
10947,08395			18457K47i	EGWO	49	10947,08	2375,692		2	K	K47a	18457K47d	EGWO					61,162.852			
7362,776404	4065,371386		18457K47i	STWO	49	7362,776	2611,912		8	K	K47a	18457K47d	STWO	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
10074,64688			18465K47i	EGWO	49	10074,65	2339,552		5	K	K47a	18465K47d	EGWO					61,162.852			
13483,60628	4224,708535		18465K47i	STWO	49	13483,61	4970,747		73	K	K47a	18465K47d	STWO		46			61,162.852	4,961.277		
6104,145836	3827,342015		18473K59i	STWO	29	6104,146	4333,078		36	K	K59a	18473K59d	STWO	36	33	-3	-7	61,162.852	4,961.277	-3	-5.5
6764,125172	4268,546091		18481F41a	STWO	49	6764,125	3360,789		196	E	F41a	18481F41a	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
4646,325536	3886,656809		18511F85c	STWO	10	4646,526	4260,222		36	F	F85c	18511F85c	STWO	18	16	0	-6	61,162.852	4,961.277	-1	-5.5
7292,53832	4401,103591		18546A04	STWO	38	7292,538	3498,668		30	A	A04d	18546A04	STWO	42	40	-2	-4	61,162.852	4,961.277	-3	-5.5
7340,791688	4455,846733		18554A01	STWO	34	7391,617	4924,394		26	A	A01g	18554A01	STWO	42	37	-5	-8	61,162.852	4,961.277	-5	-9.3
4377,632163	2797,649064		18562F76a	EGWO	37	4377,632	2724,034		18	F	F76a	18562F76a	EGWO	31	36	5	6	61,162.852	4,961.277	5	5.9
4210,534141	2650,631485		18570F76a	EGWO	39	4210,534	2545,711		19	F	F76a	18570F76a	EGWO	33	37	4	6	61,162.852	4,961.277	3	5.9
4411,891794	2918,026209		18589F76a	EGWO	34	4411,892	2909,741		9	F	F76a	18589F76a	EGWO	28	34	6	6	61,162.852	4,961.277	5	5.9
6193,295531	3920,45993		18600E37e	STWO	49	6193,296	2905,533		122	E	E37e	18600E37e	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6580,970349	4100,762385		18618K40c	STWO	49	6580,97	3020,241		100	E	E40c	18618K40c	STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7
4112,36254	2858,606283		18627F78d	EGWO	29	4112,363	2919,61		46	F	F78d	18627F78d	EGWO	27	30	3	2	61,162.852	4,961.277	3	2.1
6410,107234	4074,222679		18635E37c	STWO	49	6410,107	3087,542		89	E	E37d	18635E37c	STWO	40	36	-4	9	61,162.852	4,961.277	-5	9.7
7456,179604	4298,966289		18643K25c	STWO	49	7456,18	3382,787		145	K	K25d	18643K25c	STWO	46	42	-4	3	61,162.852	4,961.277	-5	2.1
7215,301971	4224,275386		18643K26d	STWO	49	7215,302	3456,516		50	K	K26a	18643K26d	STWO	42	41	-1	7	61,162.852	4,961.277	-1	5.9
7441,172637	4375,492257		18643K26E	STWO	49	7441,173	3630,548		72	K	K26b	18643K26E	STWO	45	41	-4	4	61,162.852	4,961.277	-5	2.1
7433,880118	4404,390344		18643K26c	STWO	49	7433,88	3697,265		71	K	K26c	18643K26c	STWO	45	41	-4	4	61,162.852	4,961.277	-5	2.1
3995,231702	2835,930824		18678F77c	EGWO	27	3995,232	2895,228		96	F	F77c	18678F77c	EGWO	30	29	-1	-3	61,162.852	4,961.277	-1	-1.7
6650,043778	4249,668415		18686M30	STWO	43	6650,044	3760,731		28	M	M30a	18686M30	STWO	38	36	-2	5	61,162.852	4,961.277	-3	5.9
6265,408987	4153,651744		18694E37g	STWO	48	6265,409	3241,242		155	E	E37g	18694E37g	STWO	36	34	-2	12	61,162.852	4,961.277	-3	13.5
5513,058866	3769,399841		18740N65i	EGWO	34	5513,059	3658,279		12	N	N65b	18740N65i	EGWO	26	32	6	8	61,162.852	4,961.277	5	9.7
6891,325247	4340,340432		18791A09i	STWO	32	6891,325	4703,171		7	A	A09i	18791A09i	STWO	39	37	-2	-7	61,162.852	4,961.277	-3	-5.5
10232,4869	3659,03725		18821K91c	EGWO	49	10232,49	3402,742		4	K	K91c	18821K91c	EGWO	48	47	-1	1	61,162.852	4,961.277	-1	-1.7
6194,267516			18856A04i	EGWO	36	6194,268	3396,527		1	A	A04b	18856A04i	EGWO	45	46	1	-9	61,162.852		1	-9.3
7416,104173	4510,766144		18856A04i	STWO	34	7416,104	4920,652		22	A	A04b	18856A04i	STWO	42	39	-3	-8	61,162.852	4,961.277	-3	-9.3
5814,964248	3752,074791		18864N61i	STWO	48	5814,964	2858,412		9	N	N61c	18864N61i	STWO	35	32	-3	13	61,162.852	4,961.277	-3	13.5
5260,85814	3946,157405		18872N60i	EGWO	33	5260,858	3626,859		8	N	N60c	18872N60i	EGWO	28	30	2	5	61,162.852	4,961.277	1	5.9
6587,800886	4166,073129		18902A01i	STWO	33	6587,801	4159,544		10	A	A01g	18902A01i	STWO	43	38	-5	-10	61,162.852	4,961.277	-5	-9.3
7170,843468	4215,324526		18902A01i	STWO	43	7296,701	3388,663		14	A	A01h	18902A01i	STWO	46	42	-4	-3	61,162.852	4,961.277	-5	-1.7
5333,003296	3789,481586		18910M55	STWO	46	5333,003	3373,639		32	M	M55d	18910M55	STWO	34	33	-1	12	61,162.852	4,961.277	-1	13.5
9685,714286			18910M55	EGWO

4647,380797	3592,681989	[redacted]	19127F86a	STWD	28	4647,381	3342,091	[redacted]	15	F	F86a	19127F86a	STWD	23	23	0	5	61,162.852	4,961.277	-1	5.9
6163,340879	4144,245105		19178A01r	STWD	32	6163,341	4213,274		10	A	A01c	19178A01r	STWD	39	33	-6	-7	61,162.852	4,961.277	-7	-5.5
6754,12569	3586,681825		19186M57	EGWD	46	6754,126	3083,898		8	M	M57a	19186M57	EGWD	45	48	3	4	61,162.852	4,961.277	5	2.1
5340,924426	3876,394972		19186M57	STWD	44	5340,924	3024,024		3	M	M57a	19186M57	STWD	29	29	0	15	61,162.852	4,961.277	-1	13.5
6300			19194K45t	STWD	49	6300	3517,355		3	K	K45b	19194K45t	STWD	41	39	-2	8	61,162.852		-3	9.7
4562,130178	2948,511223		1920BK45t	EGWD	49	4562,13	4113,433		1	K	K45b	1920BK45t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6806,967469	4030,594797		1920BK45t	STWD	49	6806,967	2970,648		14	K	K45b	1920BK45t	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
3211,061283	3375,503052		19216T94f	STWD	6	3211,061	3097,399		121	T	T94f	19216T94f	STWD	5	5	0	1	61,162.852	4,961.277	-1	2.1
7264,996471	3535,062147		19224A06k	EGWD	45	7264,995	3629,641		7	A	A06k	19224A06k	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7888,049584	4537,265228		19224A06k	STWD	47	7888,05	4131,583		20	A	A06k	19224A06k	STWD	45	42	-3	2	61,162.852	4,961.277	-3	2.1
7454,282699	4129,374884		19232A06k	STWD	47	7454,283	2933,272		26	A	A06k	19232A06k	STWD	45	42	-3	2	61,162.852	4,961.277	-3	2.1
7533,517572	3811,38849		19240A06k	EGWD	41	7533,518	4411,452		5	A	A06k	19240A06k	EGWD	49	49	0	-8	61,162.852	4,961.277	-1	-9.3
8055,628045	4489,491898		19240A06k	STWD	47	8055,628	4290,381		25	A	A06k	19240A06k	STWD	45	43	-2	2	61,162.852	4,961.277	-3	2.1
4379,806468	2691,106724		19259N70t	EGWD	42	4379,806	2530,624		9	N	N70b	19259N70t	EGWD	34	39	5	8	61,162.852	4,961.277	5	9.7
7279,683807	4311,169045		19267M28	STWD	49	7279,684	3515,584		32	M	M28c	19267M28	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6574,600217	4032,172283		19275M28	STWD	49	6574,6	3100,541		28	M	M28c	19275M28	STWD	38	39	1	11	61,162.852	4,961.277	1	9.7
5228,523056	3865,048282		19283K90c	STWD	27	5228,523	3825,482		112	K	K90c	19283K90c	STWD	30	26	-4	-3	61,162.852	4,961.277	-5	-1.7
4919,236198	3801,328259		19283K91c	STWD	23	4919,236	3865,107		48	K	K91c	19283K91c	STWD	30	23	-7	-7	61,162.852	4,961.277	-7	-5.5
4744,899888	3786,752111		19291N86	STWD	8	4744,9	4249,33		94	N	N86c	19291N86	STWD	11	10	-1	-5	61,162.852	4,961.277	-1	-5.5
6976,283388	4441,166492		19321A09t	STWD	31	7004,184	4835,552		53	A	A09b	19321A09t	STWD	37	34	-3	-6	61,162.852	4,961.277	-3	-5.5
6483,823529	4215,159431		19364A09t	STWD	27	6483,824	4697,855		3	A	A09b	19364A09t	STWD	32	29	-3	-5	61,162.852	4,961.277	-3	-5.5
7048,819333	4310,81922		19399A01t	STWD	32	7048,819	4670,709		12	A	A01b	19399A01t	STWD	41	37	-4	-9	61,162.852	4,961.277	-5	-9.3
7418,630692	3096,317429		19402E21t	EGWD	49	7418,631	2368,408		8	E	E21b	19402E21t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7664,232432	4342,517256		19402E21t	STWD	49	7664,232	4247,419		10	E	E21b	19402E21t	STWD	44	43	-1	5	61,162.852	4,961.277	-1	5.9
16444,44444			19402E22t	EGWD		16444,44			1	E	E22b	19402E22t	EGWD					61,162.852			
7902,758579	4679,40279		19402E23t	STWD	47	7902,759	4763,487		25	E	F22b	19402E22t	STWD	42	40	-2	5	61,162.852	4,961.277	-3	5.9
7203,735217	4302,316843		19410K44c	STWD	49	7203,735	3431,2		67	K	K44c	19410K44c	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
8691,304348			19429A08e	EGWD		8691,304			1	A	A08e	19429A08e	EGWD					61,162.852			
7391,250134	4372,186936		19429A08t	STWD	41	7391,25	4418,221		53	A	A08e	19429A08t	STWD	42	40	-2	-1	61,162.852	4,961.277	-3	-1.7
7050,057769	3669,674942		19445A04t	EGWD	41	7050,068	4329,102		2	A	A04e	19445A04t	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
6924,617205	4043,792297		19445A04t	STWD	44	6924,617	3160,925		16	A	A04e	19445A04t	STWD	44	37	-7	0	61,162.852	4,961.277	-7	-1.7
6864,169577	4100,825279		19453A01f	STWD	36	6864,17	3515,948		4	A	A01f	19453A01f	STWD	43	39	-4	-7	61,162.852	4,961.277	-5	-5.5
8492,130315	3866,533021		19461A02r	EGWD	49	8492,13	3761,399		15	A	A02a	19461A02r	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7860,083623	4436,366893		19461A02r	STWD	49	7860,084	3836,986		236	A	A02a	19461A02r	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
7615,203867	3943,953634		19461A02t	EGWD	49	7615,204	3736,502		8	A	A02b	19461A02t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8057,326418	4507,529883		19461A02t	STWD	49	8057,326	4083,845		203	A	A02b	19461A02t	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
8192,544932	3810,481041		19461A02c	EGWD	49	8192,945	3612,981		24	A	A02c	19461A02c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7944,971164	4512,042376		19461A02c	STWD	49	7944,971	4095,859		255	A	A02c	19461A02c	STWD	49	44	-5	0	61,162.852	4,961.277	-5	-1.7
7683,382576	3708,179229		19461A02d	EGWD	49	7683,383	3554,748		10	A	A02d	19461A02d	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8002,999576	4444,308786		19461A02d	STWD	48	8003	3910,659		130	A	A02d	19461A02d	STWD	49	44	-5	-1	61,162.852	4,961.277	-5	-1.7
8777,20871	4224,918525		19461A03t	EGWD	49	8777,209	3920,237		14	A	A03a	19461A03t	EGWD	49				61,162.852	4,961.277		
7883,240964	4515,122953		19461A03t	STWD	47	7883,25	4244,602		176	A	A03a	19461A03t	STWD	48	43	-5	-1	61,162.852	4,961.277	-5	-1.7
7887,910548	3454,5179		19461A03t	EGWD		7887,911	3495,379		3	A	A03b	19461A03t	EGWD					61,162.852	4,961.277		
8327,739145	4466,487986		19461A03t	STWD	49	8327,739	3788,39		18	A	A03b	19461A03t	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
9522,648762	4322,397587		19461A03c	EGWD	49	9522,649	3829,775		21	A	A03c	19461A03c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8455,61645	4615,190537		19461A03c	STWD	49	8455,616	4208,575		167	A	A03c	19461A03c	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
9503,701488	4045,886555		19461A03d	EGWD	49	9503,701	3843,892		37	A	A03d	19461A03d	EGWD					61,162.852	4,961.277		
8398,82626	4638,854019		19461A03d	STWD	49	8398,826	4300,124		181	A	A03d	19461A03d	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
8230,79255	3665,765434		19461A03g	EGWD	49	8230,793	3594,175		7	A	A03g	19461A03g	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7701,932933	4463,755268		19461A03g	STWD	44	7701,933	4250,408		76	A	A03g	19461A03g	STWD	47	41	-6	-3	61,162.852	4,961.277	-7	-1.7
2734,669972	3319,750364		19488T94f	STWD	5	2734,67	3502,241		149	T	T94f	19488T94f	STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
4228,723404	2891,440787		19526F78e	EGWD	30	4228,723	2929,595		2	F	F78d	19526F78e	EGWD	28	31	3	2	61,162.852	4,961.277	3	2.1
4041,320138	3730,386341		19534N68t	STWD	6	4041,32	4158,166		45	N	N68c	19534N68t	STWD	11	8	-3	-5	61,162.852	4,961.277	-3	-5.5
4359,079781	3084,952054		19542N67t	EGWD	34	4359,08	2957,781		17	N	N67a	19542N67t	EGWD	32	35	3	2	61,162.852	4,961.277	3	2.1
7235,103126	3986,545602		19607N73f	EGWD	41	7235,103	4125,278		22	N	N73h	19607N73f	EGWD	40	43	3	1	61,162.852	4,961.277	3	2.1
8206,01622	3956,914556		19615A03c	EGWD	49	8206,016	4132,021		18	A	A03a	19615A03c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7513,339727	4403,583027		19615A03c	STWD	44	7513,34	4212,982		160	A	A03a	19615A03c	STWD	43	41	-2	1	61,162.852	4,961.277	-3	2.1
8820,947664	3929,103715		19615A03d	EGWD	49	8820,948	4143,061		36	A	A03c	19615A03c	STWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7597,85828	4449,209907		19615A03t	STWD	46	7597,858	4173,579		211	A	A03c	19615A03t	STWD	45	42	-3	1	61,162.852	4,961.277	-3	2.1
8799,404915	3917,948091		19615A03t	EGWD	49	8799,405	3883,807		17	A	A03d	19615A03t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7823,431158	4510,095757		19615A03t	STWD	47	7823,431	4161,299		182	A	A03d	19615A03t	STWD	45	42	-3	2	61,162.852	4,961.277	-3	2.1
8474,464457	4285,209024		19615A03g	EGWD	49	8474,463	4298,327		6	A	A03g	19615A03g	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7209,616805	4375,697135		19615A03g	STWD	44	7209,617	4024,629		60	A	A03g	19615A03g	STWD	43	41	-2	1	61,162.852	4,961.277	-3	2.1
5599,278843	2827,296762		19704K90c	EGWD	49	5599,279	2400,785		27	K	K90c	19704K90c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5576,781762	3855,749972		19712K90c	STWD	31	5576,782	3858,638		66	K	K90a	19712K90c	STWD	34	31	-3	-3	61,162.852	4,961.277	-3	-1.7
4361,100597	3577,133242		19755N61t	STWD	35	4361,101	2862,416		54	N	N61b	19755N61t	STWD	27	22	-5	8	61,162.852	4,961.277	-5	9.7
6320,715762	4163,59189		19763E37f	EGWD	49	6330,716	3271,67		321	E	E37f	19763E37f	STWD	37	34	-3	12	61,162.852	4,961.277	-3	13.5
4779,78089	4994,426459		19771T94f	STWD	5	4779,78	4978,644		496	T	T94h	19771T94f	STWD	5	0	U	0	61,162.852	4,961.277	-1	-1.7
6850,784418	4229,342269		19798K52c	STWD	49	6850,784	3477,539		84	K	K52d	19798K52c	STWD	38	38	0	11	61,162.852	4,961.277	-1	9.7
6771,528708	4144,30764		19798K54c	STWD	49	6771,529	3317,355		223	K	K54c	19798K54c	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
7332,777101	4510,449346		19801E17a	STWD	49	7332,777	3651,266		135	E	E17a	19801E17a	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6931,791451	4367,425371		19801E18t	STWD	48	6931,791	3574,301		397	E	E18b	19801E18t	STWD	39	37	-2	9	61,162.852	4,961.277	-3	9.7
7663,559877	4584,485621		19801E19a	STWD	49	7663,56	3785,125		154	E	E19a	19801E19a	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
5777,628542	3917,611103		19801E19b	STWD	41	5778,366	3283,129		229	E	E19b	19801E19b	STWD	33	32	-1	8	61,162.852	4,961.277	-1	9.7
7034,290165	4428,546436		19801E19c	STWD	49	7034,29	3599,048		71	E	E19c	19801E19c	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
6252,604744	4222,899606		19828A05c	STWD	37	6252,605	4160,905		8	A	A05d	19828A05c	STWD	38	34	-4	-1	61,162.852	4,961.277	-5	-1.7
6886,301589	4691,206867		19836A05c	STWD	39	6886,302	4321,558		4	A	A05c	19836A05c	STWD	42	38	-4	-3	61,162.852	4,961.277	-5	-1.7
6153,284672	3471,752271		19852A09c	EGWD		6153,285	4585,49		1	A	A09c	19852A09c	EGWD					61,162.852	4,961.277		
5761,479909	4075,976518		19852A09c	STWD	26	5761,48	4957,737		87	A	A09c	19852A09c	STWD	30	28	-2	-4	61,162.852	4,961.277	-3	-5.5
5233,32395	3716,885364		19860N65t	EGWD	32	5233,324	3589,309		11	N	N65b	19860N65t	EGWD	25	29	4	7	61,162.852	4,961.277	3	5.9
4043,7415	3348,236548		19879F82d	STWD	19	4043,741	3261,724		81	F	F82d	19879F82d	STWD	20	17	-3	-1	61,162.852	4,961.277	-3	-1.7
4742,206687	2723,788039		19909N71c	EGWD	37	4742,207	2935,851		18	N	N71c	19909N71c	EGWD	40	43	3	-3	61,162.852	4,961.277	3	-1.7
5141,212142	3630,348009		19909N71t	STWD	45	5141,212	2534,846		24	N	N71c	19909N71t	STWD	31	29	-2	14	61,162.852	4,961.277	-3	13.5
7583,941606	3787,796029		19968A04t	EGWD	41	7583,942	4491,417		1	A	A04e	19968A04t	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
3546,519304	2351,419388		19976T94f	STWD	7	3546,519	3372,249		486	T	T94h	19976T94f	STWD	10	9	-1	-3	61,162.852	4,961.277	-1	-1.7
5499,449051	3563,824335		19984N65t	EGWD	33	5499,449	3540,585		33	N	N65b	19984N65t	EGWD	29	33	4	4	61,162.852	4,961.277	3	2.1
6800,75278	4110,629734		20001A07c	STWD	37	6800,753	3521,85		3	A	A07c	20001A07c	STWD	41	38	-2	-4	61,162.852	4,961.277	-3	-5.5
6813,713001	4207,641623		20095A00c	EGWD	35	6813,713	4319,092		2	A	A00c	20095A00c	EGWD	44	47	3	-9	61,162.852	4,961.277	3	-9.3
6854,837589	4364,01565		20095A00c	STWD	31	6854,838	4761,415		26	A	A00c	20095A00c	STWD	40	36	-4	-9	61,162.852	4,961.277	-5	-9.3
7068,2647	4471,430352		20095A00e	STWD	31	7068,265	4932,075		15	A	A00e	20095A00e	STWD	42	37	-5	-11	61,162.852	4,961.277	-5	-9.3
6714,856542	3354,77388		20095A04f	EGWD	47	6714,857	3291,738		7	A	A04h	20095A04f	EGWD	48	49	1	-1	61,162.852	4,961.277	1	-1.7
7474,201335	4476,259222		20095A04f	STWD	39	7474,201	4584,505		132	A	A04h	20095A04f	STWD	43	40	-3	-4	61,162.852	4,961.277	-3	-5.5
7240,183793	4370,911062		20109A04f	STWD	40	7240,184	4736,662		2	A	A04h	20109A04f	STWD	42	39	-3	-2	61,162.852	4,961.277	-3	-1.7
8077,594445	3888,174847		20117E13e	EGWD	45	6972,994	3693,698		73	E	E13d	20117E13e	STWD	40	36	-4	5	61,162.852	4,961.277	-5	5.9
6603,315899	4032,727402		20117E13e	STWD	49	6603,316	3184,078		38	E	E13e	20117E13e	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
4279,455185	3547,155539		20133N61t	STWD	35	4279,455	2857,097		32	N	N61b	20133N61t	STWD	27	17	-10	8	61,162.852	4,961.277	-9	9.7
4284,687145	3620,745028		20141N61t	STWD	35	4284,687	2951,106		38	N	N61b	20141N61t	STWD	27	17	-10	8	61,162.852	4,961.277	-9	9.7
5496,726111	3261,226693		20192A00c	EGWD	35	5496,726	3896,087		4	A	A00c	20192A00c	EGWD	44	47	3	-9	61,162.852	4,961.277	3	-9.3
6394,745391	4237,515266		20192A00c	STWD	33	6394,745	4305,28		45	A	A00c	20192A00c	STWD	38	33	-5	-5	61,162.852	4,961.277	-5	-5.5
5201,176882	2769,059669		20206N70t	EGWD	49	5201,177	2631,53		24	N	N70b	20206N70t	EGWD	39	46	7	10	61,162.852	4,961.277	7	9.7
6331,305479	4281,982907		20214A01t	STWD	31	6343,351	4317,904		57	A	A01b	20214A01t	STWD	41	37	-4	-10	61,162.852	4,961.277	-5	-9.3
7397,943959	4726,794456		20249A01c	STWD	28	7397,944	5620,037		16	A	A01c	20249A01c	STWD	38	34	-4	-10	61,162.852	4,961.277	-5	-9.3
7246,386665	4440,9117		20249A01e	STWD	32	7246,387	4697,663		7	A	A01e	20249A01e	STWD	40	36	-4	-8	61,162.852	4,961.277	-5	-9.3
4928,429126	3304,661553		20257N65t	EGWD	34	4931,716	3243,914		209	N	N65b	20257N65t	EGWD	29	33	4	5	61,162.852	4,961.277	3	5.9
4421,903464	2814,450117		20257N68t	EGWD	28	4421,903	2941,757		23	N	N66b	20257N68t	EGWD	29	32	3	-1	61,162.852	4,961.277	3	-1.7
4174,670325	3512,950441		20257N68t	STWD	33	4174,67	2818,843		7	N	N66b	20257N68t	STWD	21	16	-5	12	61,162.852	4,961.277	-5	13.5
6699,714478	4283,315217		20273A06j	STWD	41	6699,714	4003,253		5	A	A06g	20273A06j	STWD	43	41	-2	-2	61,162.852	4,961.277	-3	-1.7
4977,992571	3880,159787		20281F87a	STWD	26	4977,993	3693,079		811	F	F87a	20281F87a	STWD	25	22	-3	1	61,162.852	4,961.277	-3	2.1
9870,820669			20338K46c	EGWD	49	9870,821			2	K	K46a	20338K46c	EGWD					61,162.852			
7892,177029	4272,968736		20338K46c	STWD	49	7892,177	2860,231		93	K	K46a	20338K46c	STWD					61,162.852	4,961.277		
7818,068457			20338K46t	EGWD		7818,068			7	K	K46b	20338K46t	EGWD					61,162.852			
17206,46314	4225,660518		20338K46t	STWD	49	17206,46	2837,96		144	K	K46b	20338K46t	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
10569,92209			20338K46c	EGWD		10569,92			4	K	K46c	20338K46c	EGWD					61,162.852			
7587,868941	4121,172988		20338K46c	STWD	49	7587,869	2711,057		181	K	K46c	20338K46c	STWD					61,162.852	4,961.277		
10031,33069	3898,714917		20338K47c	EGWD	49	10031,33	3488,088		2	K	K47d	20338K47c	EGWD					61,162.852	4,961.277		
8032,821268	4258,579122		20338K47c	STWD	49	8032,821	2887,244		14	K	K47d	20338K47c	STWD					61,162.852	4,961.277		
11430,39456			20354K46c	EGWD		11430,39	2963,122		10	K	K46c	20354K46c	EGWD					61,162.852			
8306,647262	4134,509911		20354K46c	STWD	49	8306,647	2598,517		34	K	K46c	20354K46c	STWD					61,162.852	4,961.277		
6342,105263	4115,560327		20362A03f	STWD	35	6342,105	4383,75		1	A	A03f	20362A03f	STWD	42	38	-4	-7	61,162.852	4,961.277	-5	-5.5
6927,132154	3551,925706		20370A04t	EGWD	41	6927,132	4246,05		3	A	A04e	20370A04t	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
6914,681915	4387,022692		20370A04t	STWD	39	6914,682	4591,814		31	A	A04e	20370A04t	STWD	38	37	-1	1	61,162.852	4,961.277	-1	2.1
4373,54901	2632,735752		20397N70j	EGWD	46	4373,549	2379,229		9	N	N70a	20397N70j	EGWD	39	40	1	7	61,162.852	4,961.277	1	5.9
4295,454545	3403,931163		20397N70j	STWD	16	4295,455	2479,124		8	N	N70a	20397N70j	STWD	15	17	2	1	61,162.852	4,961.277	1	2.1
4894,644959	2987,235202		20397N70t	EGWD	39	4894,645	3189,137		12	N	N70b	20397N70t	EGWD	38	39	1	1	61,162.852	4,961.277	1	2.1
4722,846793	3506,065275		20397N70t	STWD	31	4722,847	2716,265		48	N	N70b	20397N70t	STWD	23	24	1	8	61,162.852	4,961.277	1	9.7
3954,155621	3267,445702		20400F82d	STWD	23	3954,156	2276,761		26	F	F82d	20400F82d	STWD	16	17	1	7	61,162.852	4,961.277	1	5.9
5474,974209	3626,417911		20427N60t	EGWD	37	5474,974	3441,181		58	N	N60c	20427N60t	EGWD	32	34	2	5	61,162.852	4,961.277	1	5.9
8905,303307	4136,783436		20451A02r	EGWD	49	8905,303	4451,237		10	A	A02a	20451A02r	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8341,113172	4719,089503		20451A02t	STWD	42	8341,113	4877,33		12	A	A02a	20451A02t	STWD	46	42	-4	-6	61,162.852	4,961.277	-5	-5.5
6329,603319	3978,043325		20478E75a	STWD	49	6329,603	3074,973		59	E	E75a	20478E75a	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6594,450447	4177,523265		20508E16d	STWD	49	6594,45	3313,066		102	E	E16a	20508E16d	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
6742,846636	3723,025231		20516M57	EGWD	49	6742,847	3261,076		6	M	M57a	20516M57	EGWD	44	45	1	5	61,162.852	4,961.277	1	5.9
2707,06093	3264,309897		20524T94f	STWD	5	2707,061	3486,654		149	T	T94f	20524T94f	STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
5306,228918	3822,00347		20532K90c	STWD	31	5306,229	3674,105		39	K	K90c	20532K90c	STWD	32	28	-4	-1	61,162.852	4,961.277	-5	-1.7
6688,498325	4308,117265		20540N60t	EGWD	39	6688,498	3989,631		19	N	N60a	20540N60t	EGWD	33	34	1	6	61,162.852	4,961.277	1	5.9
6667,74788	4129,506771		20559K44c	STWD	49	6667,748	3252,551		62	K	K44d	20559K44c	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6750,831784	4237,602053		20567K54c	STWD	48	6750,832	3480,29		248	K	K54a	20567K54c	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
7726,49638	4079,91187		20575A06c	EGWD	40	7726,496	4481,147		3	A	A06a	20575A06c	EGWD	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7235,07085	4366,088874		20575A06c	STWD	40	7235,071	4161,202		2	A	A06a	20575A06c	STWD	43	40	-3	-3	61,162.852	4,961.277	-3	-1.7
6762,688098	3264,089346		20591A04c	EGWD	46	6762,688	3591,938		6	A	A04d	20591A04c	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
6751,459248	4257,008415		20591A04c	STWD	37	6751,459	4307,942		54	A	A04d	20591A04c	STWD	40	37	-3	-3	61,162.852	4,961.277	-3	-1.7
5046,040339	3784,176057		20605N61t	STWD	35	5046,04	3081,743		18	N	N61b	20605N61t	STWD	28	22	-6	7	61,162.852	4,961.277	-7	5.9
5543,123871	2985,786665		20613M30	EGWD	49	5543,324	2804,102		29	M	M30a	20613M30	EGWD	45	46	1	4	61,162.852	4,961.277	1	2.1
5802,582626	3977,670809		20613M30	STWD	44	5802,983	3240,451		67	M	M30a	20613M30	STWD	34	31	-3	10	61,162.852	4,961.277	-3	9.7
5773,770789	4133,491458		20621A09t	STWD	24	5773,771	4289,413		34	A	A09e	20621A09t	STWD	31	28	-3	-7	61,162.852

7062,538666	4512,645114	[redacted]	20818A04	STWD	39	7062,539	4597,899	[redacted]		5	A	A04e	20818A04	STWD	35	37	2	4	61,162.852	4,961.277	1	2.1
7127,777778	4860,933633	[redacted]	20826N60	EGWD	39	7127,778	4355,518	[redacted]		3	N	N60a	20826N60	EGWD	32	34	2	7	61,162.852	4,961.277	1	5.9
7513,513514	4345,417201	[redacted]	20842A04	EGWD	41	7513,514		[redacted]		1	A	A04c	20842A04	EGWD	47	48	1	6	61,162.852	4,961.277	1	5.5
6968,915344	4340,373894	[redacted]	20842A04	STWD	39	6968,915	4440,678	[redacted]		2	A	A04e	20842A04	STWD	39	37	-2	0	61,162.852	4,961.277	-3	-1.7
7157,407407	3864,934282	[redacted]	20850A04	EGWD	41	7157,407	4578,637	[redacted]		1	A	A04e	20850A04	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
7385,468249	4355,331354	[redacted]	20850A04	STWD	39	7385,468	4369,811	[redacted]		20	A	A04e	20850A04	STWD	38	37	-1	1	61,162.852	4,961.277	-1	2.1
6207,894737	4132,009668	[redacted]	20869A01	STWD	31	6207,895	4478,537	[redacted]		2	A	A01b	20869A01	STWD	41	37	-4	-10	61,162.852	4,961.277	-5	-9.3
4830,769231		[redacted]	20869A01	EGWD	30	4830,769		[redacted]		1	A	A01d	20869A01	EGWD	43	44	1	-13	61,162.852		1	-13.1
7409,672178	4800,101734	[redacted]	20869A01	STWD	28	7409,672	5695,152	[redacted]		8	A	A01d	20869A01	STWD	42	35	-7	-14	61,162.852	4,961.277	-7	-13.1
7517,879418	3577,394067	[redacted]	20877A04	EGWD	41	7517,879	3426,384	[redacted]		2	A	A04e	20877A04	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
7166,941392	4282,345778	[redacted]	20877A04	STWD	39	7166,941	3893,942	[redacted]		5	A	A04e	20877A04	STWD	39	37	-2	0	61,162.852	4,961.277	-3	-1.7
7315,622061	3935,261992	[redacted]	20885A04	EGWD	38	7315,622	4506,7	[redacted]		9	A	A04e	20885A04	EGWD	47	47	0	-9	61,162.852	4,961.277	-1	-9.3
6996,680104	4347,024755	[redacted]	20885A04	STWD	34	6996,68	4849,204	[redacted]		19	A	A04e	20885A04	STWD	38	37	-1	-4	61,162.852	4,961.277	-1	-5.5
9230,769231		[redacted]	20893A01	EGWD	24	9230,769		[redacted]		1	A	A01b	20893A01	EGWD	38	43	5	-14	61,162.852		5	-13.1
7216,133845	4425,320363	[redacted]	20893A01	STWD	31	7216,769	4843,68	[redacted]		2	A	A01b	20893A01	STWD	41	37	-4	-10	61,162.852	4,961.277	-5	-9.3
5841,666667	3540,466666	[redacted]	20893A01	EGWD	30	5841,667	4476,905	[redacted]		1	A	A01d	20893A01	EGWD	43	44	1	-13	61,162.852	4,961.277	1	-13.1
7346,410489	4475,340525	[redacted]	20893A01	STWD	30	7346,41	5198,087	[redacted]		7	A	A01d	20893A01	STWD	41	37	-4	-11	61,162.852	4,961.277	-5	-9.3
7470,380986	3752,927284	[redacted]	20907A07	EGWD	46	7470,381	4330,334	[redacted]		3	A	A07a	20907A07	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
7801,455416	4867,937714	[redacted]	20907A07	STWD	44	7801,455	4985,663	[redacted]		57	A	A07a	20907A07	STWD	47	38	-4	2	61,162.852	4,961.277	-5	2.1
8742,624357	4183,201976	[redacted]	20907A07	EGWD	49	8742,624	4580,147	[redacted]		2	A	A07c	20907A07	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7135,182558	4497,661841	[redacted]	20907A07	STWD	34	7135,183	4674,183	[redacted]		131	A	A07c	20907A07	STWD	39	36	-3	-5	61,162.852	4,961.277	-3	-5.5
7033,095238	4488,677299	[redacted]	20915A01	STWD	33	7033,095	4832,411	[redacted]		3	A	A01d	20915A01	STWD	42	38	-4	-9	61,162.852	4,961.277	-5	-9.3
6520,770158	3999,640378	[redacted]	20958K53	STWD	49	6520,77	3177,006	[redacted]		22	K	K53b	20958K53	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
5886,434109	4010,119997	[redacted]	20966A00	STWD	30	5886,434	3955,6	[redacted]		2	A	A00a	20966A00	STWD	38	35	-3	-8	61,162.852	4,961.277	-3	-9.3
6753,867589	4308,036487	[redacted]	20966A00	STWD	32	6753,868	4608,771	[redacted]		8	A	A00c	20966A00	STWD	40	36	-4	-8	61,162.852	4,961.277	-5	-9.3
6962,919347	4036,787576	[redacted]	20974M58	STWD	49	7063,721	3390,515	[redacted]		74	M	M58g	20974M58	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
5261,904762	3785,154906	[redacted]	20982N71	STWD	40	5261,905	3533,68	[redacted]		1	N	N71c	20982N71	STWD	31	30	-1	9	61,162.852	4,961.277	-1	9.7
5891,304348		[redacted]	20990A05	EGWD	40	5891,304	4663,24	[redacted]		1	A	A05b	20990A05	EGWD	46	47	1	-6	61,162.852		1	-5.5
7723,086461	4516,455239	[redacted]	20990A05	STWD	41	7723,086	4663,24	[redacted]		50	A	A05b	20990A05	STWD	44	42	-2	-3	61,162.852	4,961.277	-3	-1.7
6715,521272	3088,235325	[redacted]	20990A05	EGWD	38	6715,521	3685,878	[redacted]		2	A	A05c	20990A05	EGWD	43	45	2	-5	61,162.852	4,961.277	1	-5.5
6789,940974	4209,779801	[redacted]	20990A05	STWD	39	6789,941	3968,165	[redacted]		57	A	A05c	20990A05	STWD	39	37	-2	0	61,162.852	4,961.277	-3	-1.7
5821,439039	4596,745383	[redacted]	21008A03	STWD	35	5821,439	4924,582	[redacted]		8	A	A03f	21008A03	STWD	41	38	-3	-6	61,162.852	4,961.277	-3	-5.5
7136,640639	3420,454381	[redacted]	21024E18	EGWD	49	7136,641	3109,227	[redacted]		8	E	E18a	21024E18	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6344,426407	4253,608875	[redacted]	21040A00	STWD	30	6344,426	4736,873	[redacted]		2	A	A00a	21040A00	STWD	38	35	-3	-8	61,162.852	4,961.277	-3	-9.3
6240	3978,041201	[redacted]	21040A00	STWD	30	6240	3620,826	[redacted]		1	A	A00c	21040A00	STWD	39	35	-4	-9	61,162.852	4,961.277	-5	-9.3
7539,72088	4474,894845	[redacted]	21059K25	STWD	49	7539,721	3480,264	[redacted]		11	K	K25b	21059K25	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
8478,792779		[redacted]	21067K47	STWD		8478,793		[redacted]		11	K	K47c	21067K47	STWD					61,162.852			
7294,083782	4198,569911	[redacted]	21075N61	EGWD	49	7294,084	3661,324	[redacted]		11	N	N61c	21075N61	EGWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
3733,100523	2677,591001	[redacted]	21091F83	EGWD	35	3733,101	2396,592	[redacted]		55	F	F83a	21091F83	EGWD	31	33	2	4	61,162.852	4,961.277	1	2.1
2720,54154	3209,608563	[redacted]	21091F83	STWD	5	2720,542	3017,559	[redacted]		93	F	F83a	21091F83	STWD	7	5	-2	-2	61,162.852	4,961.277	-3	-1.7
6435,187112	4062,886746	[redacted]	21113M30	STWD	48	6435,187	3185,117	[redacted]		39	M	M30a	21113M30	STWD	38	36	-2	10	61,162.852	4,961.277	-3	9.7
6480,156143	4048,776634	[redacted]	21113M30	STWD	49	6480,156	3198,145	[redacted]		6	M	M30b	21113M30	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
6124,859986	4075,455658	[redacted]	21121M30	STWD	45	6124,893	3361,218	[redacted]		71	M	M30a	21121M30	STWD	38	33	-5	7	61,162.852	4,961.277	-5	5.9
4824,834702	3300,031539	[redacted]	21148N65	EGWD	31	4824,835	3319,966	[redacted]		20	N	N65c	21148N65	EGWD	29	31	2	2	61,162.852	4,961.277	1	2.1
7025,641026	3884,959194	[redacted]	21156M55	EGWD	49	7025,641	4536,734	[redacted]		1	M	M55g	21156M55	EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
6094,599821		[redacted]	21156M55	EGWD	49	6094,6		[redacted]		2	M	M55h	21156M55	EGWD		49			61,162.852			
5329,545455	3685,298196	[redacted]	21156M55	STWD	41	5329,545	2636,11	[redacted]		2	M	M55h	21156M55	STWD	31	31	0	10	61,162.852	4,961.277	-1	9.7
6136,379755	3816,672656	[redacted]	21156M56	STWD	49	6136,38	2625,133	[redacted]		8	M	M56c	21156M56	STWD	40	36	-4	9	61,162.852	4,961.277	-5	9.7
12293,33333		[redacted]	21156M56	EGWD		12293,33		[redacted]		1	M	M56d	21156M56	EGWD					61,162.852			
5695,097665	3669,808174	[redacted]	21156M56	STWD	43	5695,098	2538,998	[redacted]		36	M	M56d	21156M56	STWD	35	35	0	8	61,162.852	4,961.277	-1	9.7
6684,546616	3730,03873	[redacted]	21156M57	EGWD		6684,547	3716,848	[redacted]		3	M	M57b	21156M57	EGWD					61,162.852	4,961.277		
2637,626849	2802,115334	[redacted]	21172T94	STWD	6	2637,627	2793,382	[redacted]		31	T	T94n	21172T94	STWD	5	7	2	1	61,162.852	4,961.277	1	2.1
6928,277443	4230,600304	[redacted]	21180K54	STWD	49	6928,277	3442,767	[redacted]		148	K	K54c	21180K54	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6680,645234	4240,035989	[redacted]	21198A00	STWD	37	6680,645	4202,134	[redacted]		10	A	A00d	21198A00	STWD	42	38	-4	-5	61,162.852	4,961.277	-5	-5.5
6443,75	3827,603389	[redacted]	21202K25	EGWD	43	6443,75	3797,028	[redacted]		1	K	K25a	21202K25	EGWD	46	48	2	-3	61,162.852	4,961.277	1	-1.7
7595,58581	4420,330903	[redacted]	21202K25	STWD	49	7595,586	3663,283	[redacted]		147	K	K25a	21202K25	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6848,90873	3538,129134	[redacted]	21202K25	EGWD		6848,909	3930,107	[redacted]		2	K	K25b	21202K25	EGWD					61,162.852	4,961.277		
7907,008276	4561,980363	[redacted]	21202K25	STWD	49	7907,008	3905,993	[redacted]		125	K	K25b	21202K25	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
4565,999625	2702,022613	[redacted]	21210N70	EGWD	47	4566	2419,678	[redacted]		17	N	N70b	21210N70	EGWD	38	41	3	9	61,162.852	4,961.277	3	9.7
6356,761269	3775,754775	[redacted]	21229N62	EGWD	42	6356,761	3678,373	[redacted]		32	N	N62b	21229N62	EGWD	35	40	5	7	61,162.852	4,961.277	5	5.9
6941,38624	4085,486769	[redacted]	21245E17	STWD	49	6941,386	3953,098	[redacted]		7	E	E17a	21245E17	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7335,123762	4270,660998	[redacted]	21253E18	STWD	49	7335,124	3410,115	[redacted]		37	E	E18a	21253E18	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7829,88652	4939,234437	[redacted]	21253E18	STWD	43	7829,887	4718,979	[redacted]		22	E	E18b	21253E18	STWD	36	37	1	7	61,162.852	4,961.277	1	5.9
5026,341141	3628,372541	[redacted]	21288F87	STWD	30	5026,341	3127,861	[redacted]		51	F	F87d	21288F87	STWD	20	19	-1	10	61,162.852	4,961.277	-1	9.7
5119,047619		[redacted]	21296F81	EGWD	42	5119,048		[redacted]		1	F	F81c	21296F81	EGWD	36	41	5	6	61,162.852		5	5.9
6967,187253	3560,956411	[redacted]	21318A09	EGWD	45	6967,187	3757,305	[redacted]		11	A	A09i	21318A09	EGWD	47	49	2	-2	61,162.852	4,961.277	1	-1.7
6717,855011	4277,529844	[redacted]	21318A09	STWD	39	6717,855	4110,769	[redacted]		154	A	A09i	21318A09	STWD	39	37	-2	0	61,162.852	4,961.277	-3	-1.7
5944,101101	4209,586768	[redacted]	21342M30	EGWD	45	3494,286	3742,274	[redacted]		6	M	M30b	21342M30	EGWD	44	45	1	1	61,162.852	4,961.277	1	2.1
6806,783119	4165,215299	[redacted]	21342M30	STWD	48	6806,783	3525,126	[redacted]		85	M	M30b	21342M30	STWD	41	39	-2	7	61,162.852	4,961.277	-3	5.9
6250,211917	3980,563384	[redacted]	21350M56	STWD	49	6250,212	3116,396	[redacted]		45	M	M56c	21350M56	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7
3913,213977	3412,240778	[redacted]	21369F78	STWD	11	3913,214	3479,628	[redacted]		100	F	F78c	21369F78	STWD	11	13	2	0	61,162.852	4,961.277	1	-1.7
7052,385086	4417,622172	[redacted]	21377M31	STWD	47	7052,385	3700,963	[redacted]		41	M	M31a	21377M31	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
5615,09434	4013,457943	[redacted]	21385M57	STWD	44	5615,094	3167,68	[redacted]		4	M	M57a	21385M57	STWD	29	29	0	15	61,162.852	4,961.277	-1	13.5
5694,05788		[redacted]	21393K90	STWD	31	5694,058	3928,03	[redacted]		33	K	K90d	21393K90	STWD	30	28	-2	1	61,162.852		-3	2.1
5416,814854	3360,936847	[redacted]	21407N67	EGWD	34	5416,815	3567,478	[redacted]		51	N	N67a	21407N67	EGWD	33	37	4	1	61,162.852	4,961.277	3	2.1
5320,109231	3622,627616	[redacted]	21407N67	STWD	32	5320,109	2314,119	[redacted]		6	N	N67a	21407N67	STWD	19	18	-1	13	61,162.852	4,961.277	-1	13.5
4529,717709	2660,355822	[redacted]	21431N69	EGWD	46	4529,718	2448,864	[redacted]		17	N	N69a	21431N69	EGWD	39	41	2	7	61,162.852	4,961.277	1	5.9
6589,125232	4074,737913	[redacted]	21474A00	STWD	37	6589,125	3955,978	[redacted]		7	A	A00d	21474A00	STWD	42	38	-4	-5	61,162.852	4,961.277	-5	-5.5
8455,362608	4196,476036	[redacted]	21482A02	EGWD	46	8455,363	4254,591	[redacted]		15	A	A02a	21482A02	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
7632,844388	4623,736454	[redacted]	21482A02	STWD	41	7632,844	4796,573	[redacted]		87	A	A02a	21482A02	STWD	44	39	-5	-3	61,162.852	4,961.277	-5	-1.7
7124,810516	4562,096475	[redacted]	21490M31	STWD	46	7124,811	4158,023	[redacted]		24	M	M31b	21490M31	STWD	38	36	-2	8	61,162.852	4,961.277	-3	9.7
3508,379496	3369,43463	[redacted]	21512F83	STWD	5	3508,379	3441,948	[redacted]		819	F	F83a	21512F83	STWD	7	5	-2	-2	61,162.852	4,961.277	-3	-1.7
6130,775201	4070,830809	[redacted]	21520E38	STWD	49	6130,775	3117,359	[redacted]		161	E	E38c	21520E38	STWD	36	33	-3	13	61,162.852	4,961.277	-3	13.5
6684,974619	2857,989894	[redacted]	21539M56	EGWD	49	6864,975	2462,774	[redacted]		1	M	M56b	21539M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6757,681512	3935,057714	[redacted]	21539M56	STWD	49	6757,682	2731,858	[redacted]		101	M	M56b	21539M56	STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
7647,476497	4096,905257	[redacted]	21547K46	STWD	49	7647,476	2503,526	[redacted]		10	K	K46a	21547K46	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
5323,654144	3094,120552	[redacted]	21563N60	EGWD	44	5323,643	3107,284	[redacted]		36	N	N60b	21563N60	EGWD	40	43	3	2	61,162.852	4,961.277	3	2.1
5156,765052	3729,249833	[redacted]	21563N60	STWD	39	5156,765	3156,514	[redacted]		28	N	N60b	21563N60	STWD	26	27	1	13	61,162.852	4,961.277	1	13.5
4281,665024	3571,218377	[redacted]	21563N60	STWD	32	4281,665	2950,76	[redacted]		23	N	N60c	21563N60	STWD	18	20	2	14	61,162.852	4,961.277	1	13.5
5317,973429	4112,568206	[redacted]	21571E39	STWD	23	5317,973	4557,796	[redacted]		80	E	E39d	21571E39	STWD	25	21	-4	-2	61,162.852	4,961.277	-5	-1.7
8103,725513	3640,746618	[redacted]	21598A06	EGWD	48	8103,726	4180,304	[redacted]		15	A	A06g	21598A06	EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
7777,190038	4592,741311	[redacted]	21598A06	STWD	43	7777,19	4515,832	[redacted]		259	A	A06g	21598A06	STWD	44	42	-2	-1	61,162.852	4,961.277	-3	-1.7
6988,619441	3516,219483	[redacted]	21601A06	EGWD	45	6988,619	4151,953	[redacted]		3	A	A06g	21601A06	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7768,013115	4678,172107	[redacted]	21601A06	STWD	37	7768,013	4242,224	[redacted]		192	A	A06i	21601A06	STWD	42	39	-3	-5	61,162.852	4,961.277	-3	-5.5
3288,174302	3245,930809	[redacted]	21660F82	STWD	9	3288,174	3204,049	[redacted]		131	F	F82c	21660F82	STWD	6	5	-1	3	61,162.852	4,961.277	-1	2.1
4476,697957	3735,348965	[redacted]	21687F78	STWD	13	4476,698	3922,142	[redacted]		76	F	F78c	21687F78	STWD	14	18	4	-1	61,162.852	4,961.277	3	-1.7
5867,780749	2973,605525	[redacted]	21717N64	EGWD	49	5867,781	2713,611	[redacted]		34	N	N64c	21717N64	EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
5109,070246	3698,327845	[redacted]	21733E37	STWD	38	5109,07	3171,869	[redacted]		24	E	E37c	21733E37	STWD	25	29	4	13	61,162.852	4,961.277	3	13.5
4843,132764	3726,096536	[redacted]	21733E39	STWD	33	4843,133	3206,084	[redacted]		148	E	E39c	21733E39	STWD		28			61,162.852	4,961.277		
4809,992105	3737,014185	[redacted]	21733E39	STWD	28	4809,992	3381,186	[redacted]		73	E	E39d	21733E39	STWD	26	25	-1	2	61,162.852	4,961.277	-1	2.1
7104,961832	3066,352424	[redacted]	21741M27	EGWD	49	7104,962	2407,477	[redacted]		4	M	M27a	21741M27	EGWD					61,162.852	4,961.277		
6698,022086	4123,49511	[redacted]	21741M27	STWD	49	6698,022	3178,321	[redacted]		21	M	M27a	21741M27	STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
5127,683533	3892,609942	[redacted]	21768N61	STWD	30	5127,684	3634,194	[redacted]		43	N	N61b	21768N61	STWD	26	23	-3	4	61,162.852	4,961.277	-3	2.1
6780,366566	4176,100397	[redacted]	21776K44	STWD	49	6780,267	3356,472	[redacted]		107	K	K44e	21776K44	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
5809,302326	2670,545734	[redacted]	21784K44	EGWD	49	5809,302	2432,578	[redacted]		1	K	K44e	21784K44	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7336,352151	4262,860264	[redacted]	21784K44	STWD	49	7336,352	3371,603	[redacted]		245	K	K44e	21784K44	STWD	43	42	-1	6	61,162.852	4,961.277	-1	5.9
5094,224692	2716,18983	[redacted]	21792F77	EGWD	38	5094,225	2639,903	[redacted]		12	F	F77f	21792F77	STWD	34	38	4	4	61,162.852	4,961.277	3	2.1
3260,869565	3084,602524	[redacted]	21792F77	STWD	16	3260,87	2181,24	[redacted]		1	F	F77f	21792F77	STWD	14	13	-1	2	61,162.852	4,961.277	-1	2.1
5681,170473	3842,933663	[redacted]	21806A00	STWD	32	5681,17	3876,848	[redacted]		7	A	A00b	21806A00	STWD	37	32	-5	-5	61,162.852	4,961.277	-5	-5.5
8399,393935	3705,826763	[redacted]	21814A02	EGWD	49	8399,394	3853,329	[redacted]		15	A	A02d	21814A02	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7608,436245	4363,183586	[redacted]	21814A02	STWD	48	7608,436	3937,418	[redacted]		28	A	A02d	21814A02	STWD	48	44	-4	0	61,162.852	4,961.277	-5	-1.7
8007,962542	3739,297108	[redacted]	21814A03	EGWD	49	8007,963	3845,907	[redacted]		15	A	A03g	21814A03	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
278493,3431	4408,116405	[redacted]	21814A03	STWD	46	278493,3	4117,205	[redacted]		33	A	A03g	21814A03	STWD	45	42	-3	1	302,859.8C	4,961.277	-3	2.1
7503,670875	3705,756837	[redacted]	21814A09	EGWD	49	7503,671	3182,641	[redacted]		5	A	A09h	21814A09	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8105,417821	4455,957081	[redacted]	21814A06	STWD	48	8105,418	4214,674	[redacted]		50	A	A06h	21814A06	STWD	47	45	-2	1	61,162.852	4,961.277	-3	2.1
6941,672486	4228,032328	[redacted]	21814A06	STWD	39	6941,672	4184,77	[redacted]		4	A	A06j	21814A06	STWD	40	36	-4	-1	61,162.852	4,961.277	-5	-1.7
8991,934051	4210,042394	[redacted]	21814A07	EGWD	46	8991,934	4566,576	[redacted]		4	A	A07a	21814A07	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
7367,256639	4358,115225	[redacted]	21814A07	STWD	43	7367,257	3919,821	[redacted]		5	A	A07a	21814A07	STWD	45	39	-6	-2	61,162.852	4,961.277	-7	-1.7
6262,535098	4086,243403	[redacted]	21814A07	STWD	34	6262,535	4129,908	[redacted]		11	A	A07b	21814A07	STWD	41	35	-6	-7	61,162.852	4,961.277	-7	-5.5
6615,286972	4166,126295	[redacted]	21822A06	STWD	36	6615,287	4242,688	[redacted]		81	A	A06j	21822A06	STWD	42	37	-5	6	61,162.852	4,961.277	-5	-5.5
6550,960312	4031,591535	[redacted]	21822A07	STWD	36	6550,96	3941,018	[redacted]		47	A	A07b	21822A07	STWD	39	34	-5	-3	61,162.852	4,961.277	-5	-1.7
7084,150099	4766,227358	[redacted]	21822A07	STWD	38	7094,15	4473,396	[redacted]		5	A	A07d	21822A07	STWD	42	38	-4	-4	61,162.852	4,961.277	-5	-5.5
8399,074074	4358,261176	[redacted]	21830A07	EGWD	49	8399,074	4821,11	[redacted]		3	A	A07c	21830A07	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7101,779967	4474,486603	[redacted]	21830A07	STWD	38	7101,78	4438,585	[redacted]		65	A	A07c	21830A07	STWD	40	37	-3	-2	61,162.852	4,961.277	-3	-1.7
7282,811385	4343,489425	[redacted]	21849A07	STWD	38	7282,811	4664,182	[redacted]		10	A	A07a	21849A07	STWD	43	39	-4	-5	61,162.852	4,961.277	-5	-5.5
6612,423603	4127,674559	[redacted]	21849A07	STWD	37	6612,424	3888,483	[redacted]		8	A	A07c	21849A07	STWD	42	38	-4	-5	61,162.852	4,961.277	-5	-5.5
7146,666667	4302,586069	[redacted]	21849A07	STWD	41	7146,667	4242,963	[redacted]		1	A	A07d	21849A07	STWD	42	38	-4	-1	61,162.852	4,961.277	-5	-1.7
7283,457812	4360,331854	[redacted]	21857A03	STWD	43	7283,458	4178,796	[redacted]		12	A	A03a	21857A03	STWD	42	40	-2	1	61,162.852	4,961.277	-3	2.1
6990,177593	4182,095242	[redacted]	21857A03	STWD	44	6990,178	3885,51	[redacted]		15	A	A03g	21857A03	STWD	42	41	-1	2	61,162.852	4,961.277	-1	2.1
7264,710588	4452,456553	[redacted]	21857A07	STWD	38	7264,711	4750,04	[redacted]		15	A	A07a	21857A07	STWD	43	39	-4	-5	61,162.852	4,961.277	-5	-5.5
6225,524099	4026,123752	[redacted]	21857A07	STWD	37	6225,524	3753,308	[redacted]		4	A	A07c	21857A07	STWD	41	38	-3	-4	61,162.852	4,961.277	-3	-5.5

7796,616464	4586,703589	[redacted]	22217A06i	STWD	43	7796,616	4602,487	[redacted]	41	A	A06k	22217A06i	STWD	46	43	-3	-3	61,162.852	4,961.277	-3	-1.7
7857,722379	3858,830089		22217A06i	EGWD	43	7857,722	4526,259		4	A	A06l	22217A06l	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
8530,554364	4811,700473		22217A06l	STWD	46	8530,954	4637,431		46	A	A06l	22217A06l	STWD	46	45	3	0	61,162.852	4,961.277	3	1.7
7315,634736	4443,907839		22217A07i	STWD	48	7315,635	3797,95		17	A	A07a	22217A07i	STWD	42	39	-3	6	61,162.852	4,961.277	-3	5.9
8437,166667	4180,277025		22217A07l	EGWD	49	8437,167	4607,123		4	A	A07c	22217A07l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7411,626563	4489,277127		22217A07i	STWD	37	7411,627	4744,55		50	A	A07c	22217A07i	STWD	42	39	-3	-5	61,162.852	4,961.277	-3	-5.5
9922,519358	4141,519261		22217A07l	EGWD	49	9922,519	4246,282		12	A	A07e	22217A07l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7766,67029	4577,294805		22217A07i	STWD	45	7766,667	4320,767		163	A	A07e	22217A07i	STWD	44	41	-3	1	61,162.852	4,961.277	-3	2.1
7456,129884	4656,550289		22225A01i	STWD	28	7456,13	5295,647		12	A	A01d	22225A01i	STWD	40	36	-4	-12	61,162.852	4,961.277	-5	-13.1
7693,65963	3359,729307		22233A06j	EGWD	49	7693,66	3384,524		8	A	A06g	22233A06j	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7055,576918	4336,127358		22233A06j	STWD	46	7055,577	3824,425		8	A	A06g	22233A06j	STWD	42	38	-4	4	61,162.852	4,961.277	-5	2.1
6917,461389	4595,376568		22241A09i	STWD	22	6917,461	5572,11		28	A	A09e	22241A09i	STWD	33	32	-1	-11	61,162.852	4,961.277	-1	-9.3
7323,434055	3673,294721		22322A06i	EGWD	41	7323,434	4304,514		6	A	A06a	22322A06i	EGWD	48	49	1	-7	61,162.852	4,961.277	1	-5.5
7565,609239	4538,548948		22322A06l	STWD	40	7565,609	4615,75		137	A	A06a	22322A06l	STWD	42	40	-2	-2	61,162.852	4,961.277	-3	-1.7
7551,067254	3646,744825		22322A06l	EGWD	49	7551,067	4320,041		12	A	A06k	22322A06l	EGWD	49	49	0	-2	61,162.852	4,961.277	-1	-1.7
8077,079913	4667,199397		22322A06l	STWD	40	8077,08	4813,419		154	A	A06k	22322A06l	STWD	44	41	-3	-4	61,162.852	4,961.277	-3	-5.5
7593,158155	3627,122803		22330A06l	EGWD	46	7593,158	4012,134		13	A	A06k	22330A06l	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
7671,669657	4544,444041		22330A06l	STWD	41	7671,67	4543,729		73	A	A06k	22330A06l	STWD	44	40	-4	-3	61,162.852	4,961.277	-5	-1.7
8007,25777	4098,748837		22349M56	EGWD	49	8007,258	4011,898		19	M	M56a	22349M56	EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
7596,686047	4428,148447		22349M56	STWD	49	7596,686	3585,558		5	M	M56a	22349M56	STWD	42	42	0	7	61,162.852	4,961.277	-1	5.9
6623,732384	2875,412386		22357M56	EGWD	49	6623,732	2592,405		7	M	M56a	22357M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6748,856148	3952,588135		22357M56	STWD	49	6748,856	2812,33		122	M	M56a	22357M56	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
7736,111111	3684,857014		22365M56	EGWD	49	7736,111	3293,486		1	M	M56a	22365M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6956,960223	4045,288785		22365M56	STWD	49	6956,96	2973,847		115	M	M56a	22365M56	STWD	42	42	0	7	61,162.852	4,961.277	-1	5.9
6456,161134	3171,778459		22373M56	EGWD	48	6456,161	3318,638		9	M	M56a	22373M56	EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
6627,779147	3976,604438		22373M56	STWD	49	6627,779	2879,541		226	M	M56a	22373M56	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6506,763287	3035,046513		22373M56	EGWD	49	6506,763	3169,557		17	M	M56b	22373M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6907,408806	4107,683907		22373M56	STWD	49	6907,409	3066,193		58	M	M56b	22373M56	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
12936,2161	5348,989864		22373M56	STWD	49	12936,22	3725,9		122	M	M56c	22373M56	STWD	40	40	0	9	61,162.852	4,961.277	-1	9.7
6024,53705	3944,383631		22403M28	STWD	49	6024,537	3047,266		43	M	M28c	22403M28	STWD	39	35	-4	10	61,162.852	4,961.277	-5	9.7
6483,9221	4049,281275		22403M29	STWD	48	6483,922	3208,764		62	M	M29a	22403M29	STWD	41	37	-4	7	61,162.852	4,961.277	-5	5.9
4793,734513	2668,433104		22403M29	EGWD		4793,735	3310,912		2	M	M29b	22403M29	EGWD					61,162.852	4,961.277		
6938,246353	4034,008353		22403M29	STWD	49	6938,246	3184,045		183	M	M29b	22403M29	STWD	41	37	-4	8	61,162.852	4,961.277	-5	9.7
6282,265497	4002,956516		22403M29	STWD	47	6282,265	3200,734		36	M	M29c	22403M29	STWD	40	36	-4	7	61,162.852	4,961.277	-5	5.9
6679,336545	4112,855065		22403M30	STWD	49	6679,337	3337,237		87	M	M30b	22403M30	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
4370,651621	2726,92221		22489F89a	EGWD	41	4370,652	2505,478		54	F	F89a	22489F89a	EGWD	31	38	7	10	61,162.852	4,961.277	7	9.7
6556,664125	4099,327196		22500E75i	STWD	47	6556,664	3476,241		70	E	E75b	22500E75i	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
7565,579889	4539,549981		22519E16i	STWD	49	7565,58	3799,835		60	E	E16a	22519E16i	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
5324,347665	3869,726615		22543K90i	STWD	27	5324,348	3869,31		162	K	K90a	22543K90i	STWD	32	26	-6	-5	61,162.852	4,961.277	-7	-5.5
4721,702694	2811,18247		22586N70i	EGWD	43	4721,703	2711,002		12	N	N70a	22586N70i	EGWD	38	40	2	5	61,162.852	4,961.277	1	5.9
3859,398111	3613,080258		22586N70i	STWD	6	3859,398	3503,317		65	N	N70a	22586N70i	STWD	7	8	1	-1	61,162.852	4,961.277	1	-1.7
7669,690574	4203,746743		22608K46i	STWD	49	7669,691	2735,08		242	K	K46b	22608K46i	STWD	49	46	-3	8	61,162.852	4,961.277	-3	-1.7
6251,721045	3902,590081		22616M31	STWD	47	6251,721	3133,255		19	M	M31a	22616M31	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
4882,087311	2823,780573		22624N70i	EGWD	44	4882,087	2738,506		15	N	N70a	22624N70i	EGWD	41	42	1	3	61,162.852	4,961.277	1	2.1
4170,711668	3699,240478		22624N70i	STWD	6	4170,712	4083,503		80	N	N70a	22624N70i	STWD	9	11	2	-3	61,162.852	4,961.277	1	-1.7
8366,666667	4062,961242		22632A06j	EGWD	45	8366,667	4841,692		1	A	A06g	22632A06j	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7971,870849	4553,977836		22632A06j	STWD	41	7971,871	4380,867		79	A	A06g	22632A06j	STWD	45	43	-2	-4	61,162.852	4,961.277	-3	-5.5
8047,16102	4386,084855		22632A06l	STWD	49	8047,161	3597,545		58	A	A06h	22632A06l	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
4701,595248	3690,300697		22640F87d	STWD	30	4701,595	3078,66		92	F	F87d	22640F87d	STWD	20	19	-1	10	61,162.852	4,961.277	-1	9.7
7087,127591	4422,178149		22659E19c	STWD	45	7087,128	3857,071		81	E	E19c	22659E19c	STWD	40	37	-3	5	61,162.852	4,961.277	-3	5.9
4138,439172	3428,19		22667K90i	STWD	30	4138,439	2867,925		120	K	K90a	22667K90i	STWD	27	22	-5	3	61,162.852	4,961.277	-5	2.1
6437,900853	4035,245193		22675M56	STWD	49	6437,901	3179,397		49	M	M56c	22675M56	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7
7035,037192	3218,836189		22683M55	EGWD	49	7035,037	2965,691		15	M	M55h	22683M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5905,376404	4055,595744		22691E38c	STWD	46	5905,376	3180,122		84	E	E38c	22691E38c	STWD	34	31	-3	12	61,162.852	4,961.277	-3	13.5
4294,54514	3760,330287		22705F76a	STWD	7	4294,548	4043,937		107	F	F76a	22705F76a	STWD	8	12	4	-1	61,162.852	4,961.277	3	-1.7
4891,459227	2707,322442		22713F86a	EGWD	47	4891,459	2599,267		20	F	F86a	22713F86a	EGWD	42	45	3	5	61,162.852	4,961.277	3	5.9
4966,101695	3414,901548		22713F86a	STWD	24	4966,102	3627,697		1	F	F86a	22713F86a	STWD	19	19	0	5	61,162.852	4,961.277	-1	5.9
1720,709754			22748F89a	STWD	18	1720,71			96	F	F89a	22748F89a	STWD	18	18	0	0	61,162.852		-1	-1.7
4577,870272	3774,534832		22756F89a	STWD	13	4577,87	3976,774		22	F	F89a	22756F89a	STWD	16	17	1	-3	61,162.852	4,961.277	1	-1.7
4484,795501	3135,261683		22764F77a	EGWD	27	4464,796	3257,02		31	F	F77a	22764F77a	EGWD	24	30	6	3	61,162.852	4,961.277	5	2.1
3950,655329	3726,109384		22772F81e	STWD	5	3950,655	4156,073		67	F	F81e	22772F81e	STWD	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
4339,818175	2868,235104		22799F76a	EGWD	36	4339,818	2802,067		10	F	F76a	22799F76a	EGWD	29	34	5	7	61,162.852	4,961.277	5	5.9
3661,679408	3706,81462		22810F81e	STWD	7	3661,679	3209,75		14	F	F81e	22810F81e	STWD	8	7	-1	-1	61,162.852	4,961.277	-1	-1.7
6371,593856	4206,231579		22829E37d	STWD	48	6371,594	3245,436		65	E	E37g	22829E37d	STWD	36	34	-2	12	61,162.852	4,961.277	-3	13.5
3845,553974	4261,503601		22837F89d	STWD	17	3845,554	3861,741		138	F	F89d	22837F89d	STWD	11	12	1	6	61,162.852	4,961.277	1	5.9
6098,117533	4115,06561		22845E37c	STWD	44	6098,118	3213,098		175	E	E37c	22845E37c	STWD	35	32	-3	9	61,162.852	4,961.277	-3	9.7
6502,816644	4001,815257		22861E40t	STWD	49	6502,817	2882,693		185	E	E40b	22861E40t	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
947,036214			22926F80t	EGWD	23	947,0362	8694,244		b	F	F80t	22926F80t	EGWD	24	28	4	-9	61,162.852	4		-1.7
6303,866329	4782,446316		22926F80c	EGWD	32	6303,866	4412,207		4	F	F80c	22926F80c	EGWD		32			61,162.852	4,961.277		
6775,8526	4234,564825		22934K25c	STWD	42	6775,853	3904,71		143	K	K25c	22934K25c	STWD	39	37	-2	3	61,162.852	4,961.277	-3	2.1
8309,509486	3889,528809		22934K26d	EGWD	49	8438,944	3546,303		40	K	K26a	22934K26d	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6736,374521	4159,776368		22934K26d	STWD	49	6736,375	3323,65		84	K	K26a	22934K26d	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
7157,292212	4328,996017		22934K26t	STWD	44	7157,292	4307,319		116	K	K26b	22934K26t	STWD	41	38	-3	3	61,162.852	4,961.277	-3	2.1
7033,656772	4262,731617		22934K26c	STWD	76	7033,067	3465,64		76	K	K26c	22934K26c	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
7452,017439	4407,550051		22942E14f	STWD	49	7452,017	3580,603		23	E	E14f	22942E14f	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6339,302162	3941,837258		22969E40t	STWD	49	6374,141	2712,07		166	E	E40b	22969E40t	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
8534,792733	4305,69155		22985A07f	EGWD	49	8534,793	3865,825		7	A	A07h	22985A07f	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7575,306939	4418,312106		22985A07f	STWD	49	7575,307	3668,022		32	A	A07h	22985A07f	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
5499,531469	3686,35274		22993N65i	EGWD	34	5499,531	3649,706		5	N	N65b	22993N65i	EGWD	27	33	6	7	61,162.852	4,961.277	5	5.9
4539,2359	3716,142665		23000F87d	STWD	23	4539,236	3476,373		332	F	F87d	23000F87d	STWD	19	18	-1	4	61,162.852	4,961.277	-1	2.1
6546,752355	3941,393121		23019K52i	STWD	49	6546,752	3316,207		154	K	K52b	23019K52i	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6608,655692	3966,520837		23019K52c	STWD	49	6608,656	2869,313		104	K	K52c	23019K52c	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6760,869565	3559,000541		23035A06l	EGWD	43	6760,87	3440,732		2	A	A06l	23035A06l	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7481,051941	4491,720394		23035A06l	STWD	44	7481,052	3906,822		30	A	A06l	23035A06l	STWD	43	40	-3	1	61,162.852	4,961.277	-3	2.1
6857,856942	4190,601474		23043M31	STWD	47	6857,857	3526,617		226	M	M31a	23043M31	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
6575,076133	4229,158313		23051E42a	STWD	46	6575,076	3547,035		59	E	E42a	23051E42a	STWD	38	35	-3	8	61,162.852	4,961.277	-3	9.7
7211,051171	4362,829777		23051E42t	STWD	49	7211,051	3688,99		32	E	E42b	23051E42t	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6547,752794	4118,133288		23078E42t	STWD	49	6547,753	3291,135		57	E	E42b	23078E42t	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
4672,01076	2567,400881		23108N60i	EGWD	44	4672,011	2432,011		14	N	N60a	23108N60i	EGWD	37	39	2	7	61,162.852	4,961.277	1	5.9
6518,610616	4122,280032		23159M32	STWD	42	6518,611	3596,631		122	M	M32a	23159M32	STWD	39	37	-2	3	61,162.852	4,961.277	-3	2.1
5436,986875	3871,671297		23175N60i	STWD	38	5436,987	3291,534		12	N	N60a	23175N60i	STWD	28	27	-1	10	61,162.852	4,961.277	-1	9.7
4769,23152	3285,781861		23183N65i	EGWD	32	4769,232	3247,482		28	N	N65c	23183N65i	EGWD	29	31	2	3	61,162.852	4,961.277	1	2.1
4847,507625	4072,422756		23183N65i	STWD	18	4847,508	3347,676		52	N	N65c	23183N65i	STWD	18	16	-2	0	61,162.852	4,961.277	-1	-1.7
6426,58496	4184,540449		23191A01i	STWD	33	6426,585	4412,672		11	A	A01e	23191A01i	STWD	40	35	-5	-7	61,162.852	4,961.277	-5	-5.5
7051,068346	4387,813517		23205A08i	STWD	38	7051,068	4433,13		5	A	A08a	23205A08i	STWD	43	38	-5	-5	61,162.852	4,961.277	-5	-5.5
3558,779348	2829,356393		23221F81e	EGWD	23	3558,779	3005,258		22	F	F81e	23221F81e	EGWD	23	25	2	0	61,162.852	4,961.277	1	-1.7
7682,856312	4593,538417		23248K48i	STWD	49	7682,856	3902,555		30	K	K48b	23248K48i	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
7095,229885	4483,139848		23248K48c	STWD	47	7095,23	3768,598		29	K	K48c	23248K48c	STWD	41	37	-4	6	61,162.852	4,961.277	-5	5.9
7011,097778	4295,8784		23264E41a	STWD	49	7011,098	3400,988		166	E	E41a	23264E41a	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6870,88558	4322,833389		23264E42a	STWD	47	6870,886	3445,445		135	E	E42a	23264E42a	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
6752,405945	4183,80963		23264E42t	STWD	49	6752,406	3401,579		207	E	E42b	23264E42t	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6465,014798	4050,559716		23272M56	STWD	49	6465,015	3201,746		49	M	M56c	23272M56	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7
7297,23982	4277,340654		23280M27	STWD	49	7297,24	3440,866		119	M	M27b	23280M27	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
4638,580931	2589,391029		23299F81e	EGWD	33	4638,581	2491,797		11	F	F81e	23299F81e	EGWD	33	35	2	0	61,162.852	4,961.277	1	-1.7
4644,067797	3706,604191		23299F81e	STWD	7	4644,068	3191,561		1	F	F81e	23299F81e	STWD	8	7	-1	-1	61,162.852	4,961.277	-1	-1.7
6006,458227	3959,02098		23329E38c	STWD	49	6006,458	2919,029		11	E	E38c	23329E38c	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5
7205,279102	3047,085087		23388M56	EGWD	49	7205,279	2825,524		12	M	M56c	23388M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6501,42126	3854,995904		23388M56	STWD	49	6501,421	2646,234		67	M	M56c	23388M56	STWD	41	36	-5	8	61,162.852	4,961.277	-5	9.7
6303,970171	3842,183032		23396M56	STWD	49	6303,97	2680,383		16	M	M56c	23396M56	STWD	40	36	-4	9	61,162.852	4,961.277	-5	9.7
6872,033979	4312,25876		23418M30	STWD	48	6872,034	3605,915		42	M	M30a	23418M30	STWD	39	37	-2	9	61,162.852	4,961.277	-3	9.7
3673,293913	3565,549442		23426F86t	STWD	28	3673,294	3418,489		297	F	F86b	23426F86t	STWD	16	18	2	12	61,162.852	4,961.277	1	13.5
4504,913239	2598,631045		23434N68i	EGWD	48	4504,913	2352,013		23	N	N68d	23434N68i	EGWD	41	42	1	7	61,162.852	4,961.277	1	5.9
4866,026189	2676,85464		23434N68i	EGWD	46	4866,026	2558,554		13	N	N68e	23434N68i	EGWD	44	45	1	2	61,162.852	4,961.277	1	2.1
3882,069525	3640,652469		23434N68i	STWD	11	3882,07	3464,804		40	N	N68e	23434N68i	STWD	10	9	-1	1	61,162.852	4,961.277	-1	2.1
7215,485038	4415,057913		23450A06c	STWD	36	7215,485	4556,859		212	A	A06d	23450A06c	STWD	42	39	-3	-6	61,162.852	4,961.277	-3	-5.5
7297,513588	4440,653831		23450A06t	STWD	33	7297,514	4667,393		135	A	A06e	23450A06t	STWD	41	38	-3	-8	61,162.852	4,961.277	-3	-9.3
6392,239378	4449,467824		23469A06c	STWD	26	6392,239	5598,07		14	A	A06d	23469A06c	STWD	39	31	-8	-13	61,162.852	4,961.277	-9	-13.1
6800,615046	4523,271268		23477A06c	STWD	27	6800,615	4982,936		263	A	A06d	23477A06c	STWD	36	33	-3	-9	61,162.852	4,961.277	-3	-9.3
5201,944652			23477A06e	EGWD		5201,945	2957,481		1	A	A06e	23477A06e	EGWD					61,162.852			
7545,820363	4796,085625		23477A06f	STWD	24	7545,82	4661,84		217	A	A06e	23477A06f	STWD	36	33	-3	-12	61,162.852	4,961.277	-3	-13.1
6642,967538	4233,96866		23477A06f	STWD	35	6642,968	4354,107		89	A	A06f	23477A06f	STWD	39	36	-3	-4	61,162.852	4,961.277	-3	-5.5
6978,772793	4379,61578		23477A06i	STWD	34	6978,773	4608,532		88	A	A06i	23477A06i	STWD	40	37	-3	-6	61,162.852	4,961.277	-3	-5.5
6908,452104	4280,993164		23477A06j	STWD	39	6908,452	4249,017		81	A	A06j	23477A06j	STWD	41	38	-3	-2	61,162.852	4,961.277	-3	-1.7
6781,203865	4316,805283		23477A07i	STWD	32	6781,204	4550,921		45	A	A07b	23477A07i	STWD	39	36	-3	-7	61,162.852	4,961.277	-3	-5.5
6755,368101	4062,141197		23485E43a	STWD	49	6755,368	3051,757		27	E	E43a	23485E43a	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
4745,776984	2807,568193		23493K90c	EGWD	49	4745,77	2345,312		32	K	K90d	23493K90c	EGWD	43	43	0	6	61,162.852	4,961.277	-1	5.9
5238,577279	3702,99304		23493K90c	STWD	40	5238,576	3093,365		5	K	K90d	23493K90c	STWD	30	29	-1	10	61,162.852	4,961.277	-1	9.7
5549,297171	3878,97189		23515N65i	EGWD	33	5549,297	3712,902		24	N	N65b	23515N65i	EGWD	26	30	4	7	61,162.852	4,961.277	3	5.9
7076,635994	4397,466543		23523A01i	STWD	33	7076,636	4740,135		5	A	A01b	23523A01i	STWD	42	38	-4	-9	61,162.852	4,961.277	-5	-9.3
6489,953098	4263,53293		23523A01c	STWD	28	6489,953	4826,603		12	A	A01c	23523A01c	STWD	39	34	-5	-11	61,162.852	4,961.277	-5	-9.3
4469,246655	2988,185005		23531F89t	EGWD	32	4469,247	3048,33		28	F	F89b	23531F89t	EGWD	29	33	4	3	61,162.852	4,961.277	3	2.1
3910,002507	3285,759033		23582F81c	STWD	12	3910,003	3462,573		155	F	F81c	23582F81c	STWD	14	13	-1	-2	61,162.852	4,961.277	-1	-1.7
5147,363024	3656,477539		23612M32	STWD	40	5147,363	2920,406		17	M	M32b	23612M32	STWD	32	28	-4	8	61,162.852	4,961.277	-5	9.7
4323,161017	2597,269062		23639F76a	EGWD	41	4323,161	2440,323		6	F	F76a	23639F76a	EGWD	33	40	7	8	61,162.852	4,961.277	7	9.7
6040,576168	4020,859719		23663M28	STWD	41	6040,576	3787,49		68	M	M28a	23663M28	STWD	40	33	-7	1	61,162.852	4,961.277	-7	2.1
5725,606394	3598,344988		23663M28	STWD		5725,606	2550,116		3	M	M28b	23663M28	STWD					61,162.852	4,961.277		
6436,261935	3985,11986		23663M29	STWD	48	6436,262	3237,886		70	M	M29a	23663M29	STWD	43	38	-5	5	61,162.852	4,961.277	-5	5.9
7248,935432	4322,075474		23698K26i	STWD	49	7248,935	3542,555		133	K	K26b	23698K26i	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
5548,533942	4010,013583		23701M56	STWD	40	5548,534	4248,934		82	M	M56c	23701M56	STWD	31	31	0	9	61,162.852	4,961.277	-1	9.7
6767,243809	3618,523693		23728M55	EGWD	49	6767,243	2882,995		20	M	M55h	23728M55	EGWD	46	49	3	3	61,162.852	4,961.277	3	2.1
4975,721154	3424,164758		23736N62i	EGWD	34	4975,721	3317,606		4	N	N62a	23736N62i	EGWD	32	33	1	2	61,162.852	4,961.277	1	2.1
5148,774343	3842,335765		23736N62i	STWD	26	5148,774	3199,374		38	N	N62a	23736N62i	STWD	25	25	0	1	61,162.852	4,961.277	-1	2.1
4017

7109,859189	3989,951444	[redacted]	21949K49c	STWD	49	7109,859	2500,388	[redacted]	11	K	K49d	23949K49c	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
5843,806357	3987,97117		23957M32	STWD	42	5843,806	3285,218		103	M	M32a	23957M32	STWD	34	32	-2	8	61,162.852	4,961.277	-3	9.7
6367,918511	4173,810537		23565M56	STWD	40	6367,919	4112,046		45	M	M56c	23565M56	STWD	34	34	0	6	61,162.852	4,961.277	1	5.9
4785,714286	3991,279855		23973F78a	STWD	13	4785,714	3351,29		1	F	F78a	23973F78a	STWD	16	12	-4	-3	61,162.852	4,961.277	-5	-1.7
4318,408771	3154,187903		24007K91t	STWD	32	4318,409	2785,837		72	K	K91b	24007K91t	STWD	32	28	-4	0	61,162.852	4,961.277	-5	-1.7
6182,827295	3845,612567		24015E41t	STWD	49	6182,827	2616,16		35	E	E41b	24015E41t	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6557,079762	4150,745385		24015E42a	STWD	49	6557,08	3334,416		39	E	E42a	24015E42a	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6713,584409	4137,816965		24015E42c	STWD	41	6713,584	3355,121		38	E	E42c	24015E42c	STWD	38	38	0	11	61,162.852	4,961.277	1	9.7
6985,112691	4271,355516		24023E38d	STWD	49	6985,113	3424,37		146	E	E38d	24023E38d	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6485,436732	4199,396577		24023E41t	STWD	49	6485,437	3273,442		153	E	E41b	24023E41t	STWD	38	35	-3	11	61,162.852	4,961.277	-3	9.7
5179,933505	3977,467916		24031K90c	STWD	21	5179,934	4093,201		18	K	K90c	24031K90c	STWD	30	23	-7	-9	61,162.852	4,961.277	-7	-9.3
3381,818182			24066N65t	EGWD	33	3381,818			1	N	N65b	24066N65t	EGWD	28	32	4	5	61,162.852		3	5.9
4515,953102	3714,272299		24066N65t	STWD	31	4515,953	3047,573		8	N	N65b	24066N65t	STWD	19	17	-2	12	61,162.852	4,961.277	-3	13.5
5293,162007	3692,812692		24074N65t	EGWD	32	5293,162	3577,792		21	N	N65b	24074N65t	EGWD	26	30	4	6	61,162.852	4,961.277	3	5.9
4695,662581	4137,851648		24082N65t	STWD	41	4695,663	2756,065		12	N	N65t	24082N65t	STWD	28	23	-5	13	61,162.852	4,961.277	-5	13.5
6056,71094	4086,115389		24090E38c	STWD	48	6056,711	3159,112		74	E	E38c	24090E38c	STWD	35	32	-3	13	61,162.852	4,961.277	-3	13.5
6560,613092	3873,440613		24120K52c	STWD	49	6560,613	2645,361		13	K	K52c	24120K52c	STWD	45	41	-4	4	61,162.852	4,961.277	-5	2.1
6737,912622	3935,192005		24120K52d	STWD	49	6737,913	2745,624		98	K	K52d	24120K52c	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
6635,018739	4078,083018		24147K90c	STWD	49	6635,019	3275,683		139	K	K90c	24147K90c	STWD	42	37	-5	7	61,162.852	4,961.277	-5	5.9
9860,6486	3584,021302		24155K49c	EGWD	49	9860,649	2406,289		10	K	K49a	24155K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4309,681326	3461,067176		24163N71c	STWD	40	4309,681	2594,823		3	N	N71c	24163N71c	STWD	26	30	4	14	61,162.852	4,961.277	3	13.5
4417,644952	2991,626947		24171N65t	EGWD	33	4417,645	2665,756		11	N	N65b	24171N65t	EGWD	28	32	4	5	61,162.852	4,961.277	3	5.9
4061,18145	2810,834786		24198N65t	EGWD	28	4061,181	2881,423		30	N	N65a	24198N65t	EGWD	23	30	7	5	61,162.852	4,961.277	7	5.9
4796,853321	3231,729257		24198N65t	EGWD	34	4796,853	3192,682		192	N	N65b	24198N65t	EGWD	29	33	4	5	61,162.852	4,961.277	3	5.9
5236,652791	3856,689835		24228N61t	STWD	39	5236,653	3159,035		38	N	N61b	24228N61t	STWD	27	25	-2	12	61,162.852	4,961.277	-3	13.5
4002,458022	2637,79838		24236F78t	EGWD	37	4002,458	2511,231		18	F	F78b	24236F78t	EGWD	34	34	0	3	61,162.852	4,961.277	-1	2.1
10458,49138	3673,347073		24244K49c	EGWD	49	10458,49	2394,445		4	K	K49d	24244K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7505,893591	4063,108323		24244K49c	STWD	49	7505,894	2780,894		22	K	K49d	24244K49c	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7377,421103	4053,158339		24244K49e	STWD	49	7377,421	2561,712		91	K	K49e	24244K49e	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7665,912401	4213,903093		24244K49f	STWD	49	7665,912	2998,284		83	K	K49f	24244K49f	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
6762,638988	4037,803879		24260N62t	EGWD	44	6762,639	3787,859		8	N	N62b	24260N62t	EGWD	36	40	4	8	61,162.852	4,961.277	3	9.7
3813,595172	2646,746674		24279F83a	EGWD	32	3813,595	2473,157		46	F	F83a	24279F83a	EGWD	28	31	3	4	61,162.852	4,961.277	3	2.1
6966,328123	3887,180001		24287N73t	EGWD	43	6966,328	3919,442		12	N	N73h	24287N73t	EGWD	40	43	3	3	61,162.852	4,961.277	3	2.1
5572,739029	4022,533029		24309M55	STWD	49	5572,739	3148,385		60	M	M55d	24309M55	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6337,837838	2860,312903		24309N55	EGWD		6337,838	2565,791		1	M	M55e	24309M55	EGWD					61,162.852	4,961.277		
6990,468127	3240,911382		24309N55	EGWD	49	6990,468	3117,549		18	M	M55h	24309M55	EGWD		49			61,162.852	4,961.277		
6136,641447	3862,585151		24309N55	STWD	46	6136,641	2950,057		15	M	M55h	24309M55	STWD	36	36	0	10	61,162.852	4,961.277	-1	9.7
6858,300259	3342,496358		24309M56	EGWD	49	6858,3	3515,046		8	M	M56a	24309M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6747,827474	4074,551871		24309M56	STWD	49	6747,827	3186,914		164	M	M56a	24309M56	STWD	40	40	0	9	61,162.852	4,961.277	-1	9.7
6590,252637	2925,999729		24309M56	EGWD	49	6590,253	2575,671		14	M	M56c	24309M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6141,621235	3844,704385		24309M56	STWD	45	6141,621	3065,447		77	M	M56c	24309M56	STWD	37	36	-1	8	61,162.852	4,961.277	-1	9.7
5928,158936	3164,381107		24309M57	EGWD	47	5928,159	3452,641		7	M	M57a	24309M57	EGWD	42	47	5	5	61,162.852	4,961.277	5	5.9
5564,969595	3860,027537		24309M57	STWD	46	5564,97	3005,894		81	M	M57a	24309M57	STWD	29	30	1	17	61,162.852	4,961.277	1	17.1
7059,208853	3971,295168		24333K49f	STWD	49	7059,209	2630,512		116	K	K49f	24333K49f	STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
5096,995351	3831,500504		24341M31	STWD	28	5114,146	3994,866		115	M	M31c	24341M31	STWD	26	27	1	2	61,162.852	4,961.277	1	2.1
7344,580906	4039,786579		24392K49c	STWD	49	7344,581	2534,964		47	K	K49d	24392K49c	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7717,765419	4109,832586		24392K49e	STWD	49	7717,765	2673,702		113	K	K49e	24392K49e	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
7539,70123	4072,207526		24392K49f	STWD	49	7539,701	2714,923		101	K	K49f	24392K49f	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
7255,371943	4033,073371		24414K49c	STWD	49	7255,372	2583,273		88	K	K49e	24414K49c	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
7043,215776	4001,360652		24414K49f	STWD	49	7043,216	2782,246		128	K	K49f	24414K49f	STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1
7750	4390,142768		24422A05c	STWD	42	7750	3932,907		1	A	A05d	24422A05c	STWD	42	39	-3	0	61,162.852	4,961.277	-3	-1.7
4289,782135	3156,366015		24457N65c	EGWD	29	4289,782	3136,591		22	N	N65c	24457N65c	EGWD	25	28	3	4	61,162.852	4,961.277	3	2.1
7042,756262	4408,40556		24465K54c	STWD	48	7042,756	3666,272		77	K	K54d	24465K54c	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
5083,046026	3888,887877		24478K90c	STWD	21	5083,046	4060,335		51	K	K90c	24478K90c	STWD	27	22	-5	-6	61,162.852	4,961.277	-5	-5.5
7049,004149	4114,563079		24546K52t	STWD	49	7049,004	4075,103		86	K	K52b	24546K52t	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
5015,426587	3828,088752		24554N62i	EGWD	34	5015,427	3596,32		9	N	N62a	24554N62i	EGWD	32	33	1	2	61,162.852	4,961.277	1	2.1
6047,488002	3871,049941		24554N62t	EGWD	39	6047,488	3661,245		10	N	N62b	24554N62t	EGWD	35	35	0	4	61,162.852	4,961.277	-1	2.1
7465,422897	4446,875601		24570A02c	STWD	48	7465,423	4274,633		21	A	A02d	24570A02c	STWD	45	44	-1	3	61,162.852	4,961.277	-1	2.1
6079,424851	4213,538574		24589A00c	STWD	25	6079,425	4628,079		21	A	A00c	24589A00c	STWD	34	30	-4	-9	61,162.852	4,961.277	-5	-9.3
6083,801704	4080,57604		24597E36a	STWD	40	6083,802	3613,579		185	E	E36a	24597E36a	STWD	36	33	-3	4	61,162.852	4,961.277	-3	2.1
6734,375	3659,009009		24619A01c	EGWD	30	6734,375	4007,683		1	A	A01d	24619A01c	EGWD	43	44	1	-13	61,162.852	4,961.277	1	-13.1
6543,623188	4063,83159		24619A01c	STWD	33	6543,623	3689,852		3	A	A01d	24619A01c	STWD	42	38	-4	-9	61,162.852	4,961.277	-5	-9.3
6245,952856	4174,489756		24627M31	STWD	36	6245,953	4489,801		32	M	M31b	24627M31	STWD	34	32	-2	2	61,162.852	4,961.277	-3	2.1
6435,446432	4137,844207		24627M31	STWD	38	6435,446	3334,654		7	M	M31c	24627M31	STWD	35	32	-3	3	61,162.852	4,961.277	-3	2.1
6372,414507	4208,637403		24627M32	STWD	40	6372,415	3716,487		106	M	M32a	24627M32	STWD	35	33	-2	5	61,162.852	4,961.277	-3	5.9
5813,267903	3986,878993		24627M32	STWD	35	5813,268	4366,437		101	M	M32b	24627M32	STWD	31	28	-3	4	61,162.852	4,961.277	-3	2.1
4292,45283	2736,034287		24627M56	EGWD		4292,453	3812,239		1	M	M56h	24627M56	EGWD					61,162.852	4,961.277		
9099,056994	4084,782472		24626N62i	EGWD	40	9099,057	3428,722		15	N	N62d	24626N62i	EGWD	36	39	3	4	61,162.852	4,961.277	3	2.1
6003,052278	3509,860323		24643N62t	EGWD	42	6003,052	3451,504		25	N	N62b	24643N62t	EGWD	36	39	3	6	61,162.852	4,961.277	3	5.9
6312,377451	4035,795397		24651A00c	STWD	30	6312,377	3888,905		2	A	A00c	24651A00c	STWD	30	35	-4	-9	61,162.852	4,961.277	-5	-9.3
6758,619932	4359,239696		24678A00c	STWD	35	6758,62	4394,251		26	A	A00c	24678A00c	STWD	39	35	-4	-4	61,162.852	4,961.277	-5	-5.5
6482,23	4265,265956		24686A04c	STWD	36	6482,23	4102,275		48	A	A04d	24686A04c	STWD	35	34	-1	1	61,162.852	4,961.277	-1	2.1
6623,188406	4297,642513		24694K52g	STWD	33	6623,188	4447,858		48	K	K52g	24694K52g	STWD	36	35	-1	-3	61,162.852	4,961.277	-1	-1.7
7675,616054	4184,138787		24708K47c	STWD	49	7675,616	2663,763		26	K	K47a	24708K47c	STWD		46			61,162.852	4,961.277		
3602,797203	3079,542461		24716N65c	EGWD	29	3602,797	3215,978		22	N	N65c	24716N65c	EGWD	25	28	3	4	61,162.852	4,961.277	3	2.1
5595,607305	3838,731778		24732N60i	STWD	36	5595,607	3596,016		10	N	N60a	24732N60i	STWD	32	31	-1	4	61,162.852	4,961.277	-1	2.1
3659,572843	3793,96468		24732N60t	STWD	39	3659,573	3143,762		25	N	N60b	24732N60t	STWD	29	27	-2	10	61,162.852	4,961.277	-3	9.7
5307,692308			24740N60t	EGWD	43	5307,692			1	N	N60b	24740N60t	EGWD	38	41	3	5	61,162.852		3	5.9
5940	3878,349333		24759A01c	STWD	33	5940	3167,74		1	A	A01d	24759A01c	STWD	42	38	-4	-9	61,162.852	4,961.277	-5	-9.3
5058,471575	3853,80006		24767N60i	STWD	33	5058,472	3318,216		25	N	N60a	24767N60i	STWD	33	32	-1	10	61,162.852	4,961.277	-1	9.7
5447,290234	3845,019069		24767N60t	STWD	40	5447,29	3255,139		18	N	N60b	24767N60t	STWD	28	29	1	12	61,162.852	4,961.277	1	13.5
6897,509579			24791A05c	EGWD	38	6897,51			2	A	A05c	24791A05c	EGWD	43	45	2	-5	61,162.852		1	-5.5
6819,047619	3991,428521		24791A05c	STWD	39	6819,048	3171,34		1	A	A05c	24791A05c	STWD	42	38	-4	-3	61,162.852	4,961.277	-5	-1.7
12840,2951	4325,433105		24805K49c	EGWD	49	12840,3	3120,248		17	K	K49b	24805K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6435,897436	3016,698852		24821M56	EGWD	49	6435,897	3300,778		1	M	M56a	24821M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6579,059804	4023,046074		24821M56	STWD	49	6579,06	2970,812		49	M	M56a	24821M56	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
6753,886943	3944,12137		24821M56	EGWD	49	6753,887	2988,978		2	M	M56b	24821M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6870,093173	3952,276922		24821M56	STWD	49	6870,093	2741,861		99	M	M56b	24821M56	STWD	42	42	0	7	61,162.852	4,961.277	-1	5.9
6933,040936	3421,355198		24864A04i	EGWD	44	6933,041	4088,193		3	A	A04i	24864A04i	EGWD	48	49	1	-4	61,162.852	4,961.277	1	-5.5
6716,278795	4294,697292		24864A04t	STWD	38	6716,279	4204,024		22	A	A04i	24864A04t	STWD	39	36	-3	-1	61,162.852	4,961.277	-3	-1.7
7196,4662	4390,300234		24902A01t	STWD	38	7196,466	4452,214		20	A	A01h	24902A01t	STWD	43	37	-6	-5	61,162.852	4,961.277	-7	-5.5
7557,974359	4570,894758		24902A03f	STWD	36	7557,974	4828,857		5	A	A03f	24902A03f	STWD	42	40	-2	-6	61,162.852	4,961.277	-3	-5.5
9789,480574	3587,953991		24910K49f	EGWD	49	9789,481	2624,301		6	K	K49f	24910K49f	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7254,103697	4068,322157		24910K49f	STWD	49	7254,104	2774,299		16	K	K49f	24910K49f	STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
8133,711012			24929K47i	STWD	40	8133,711	3268,407		3	K	K47a	24929K47c	STWD					61,162.852			
5104,935841	3739,873642		24945N61t	STWD	40	5104,936	3009,119		17	N	N61b	24945N61t	STWD	29	22	-7	11	61,162.852	4,961.277	-7	9.7
9936,461048			24961K49c	EGWD	49	9936,461	3122,149		3	K	K49a	24961K49c	EGWD		49			61,162.852			
3591,531188	3584,69786		24996N68f	STWD	5	3591,531	3928,612		66	N	N68f	24996N68f	STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
5150,423284	2802,436899		25003N61t	EGWD	49	5150,423	2525,409		12	N	N61b	25003N61t	EGWD	43	46	3	6	61,162.852	4,961.277	3	5.9
4335,229187	3544,211402		25003N61t	STWD	35	4335,229	3146,466		95	N	N61b	25003N61t	STWD	24	22	-2	11	61,162.852	4,961.277	-3	9.7
4981,957641	3738,909131		25011F86t	STWD	28	4981,958	3512,761		440	F	F86d	25011F86t	STWD	22	24	2	6	61,162.852	4,961.277	1	5.9
6788,18227	4044,669641		25046A00c	STWD	42	6788,182	3817,679		5	A	A00d	25046A00c	STWD	43	39	-4	-1	61,162.852	4,961.277	-5	-1.7
6676,171533	4046,022216		25062E14a	STWD	49	6696,166	3149,763		139	E	E14a	25062E14a	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
5792,134831			25062E16d	EGWD		5792,135			1	E	E16a	25062E16d	EGWD					61,162.852			
6530,137913	4086,221671		25062E16c	STWD	49	6530,238	3172,588		158	E	E16a	25062E16c	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
7053,727833	4199,969762		25062E16t	STWD	49	7053,728	3184,63		119	E	E16b	25062E16t	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6856,104877	4180,659821		25062E17a	STWD	49	6861,781	3114,923		291	E	E17a	25062E17a	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7110,353719	4209,506415		25062E19a	STWD	49	7127,53	3635,359		53	E	E19a	25062E19a	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
8047,385639	4383,662846		25062E20a	STWD	49	8047,386	3222,828		102	E	E20a	25062E20a	STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
4941,384681	2737,079549		25088K91c	EGWD	49	4941,385	2339,315		23	K	K91c	25088K91c	EGWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
4844,335958	3620,497052		25097K91t	STWD	29	4844,336	3439,922		162	K	K91b	25097K91t	STWD	30	25	-5	-1	61,162.852	4,961.277	-5	-1.7
5521,065619	2825,609253		25100K90c	EGWD	49	5521,066	2411,656		35	K	K90c	25100K90c	EGWD	48	49	1	1	61,162.852	4,961.277	1	2.1
5320,426899	3731,283877		25127N65t	EGWD	33	5320,427	3567,03		11	N	N65b	25127N65t	EGWD	24	30	6	9	61,162.852	4,961.277	5	9.7
5518,714427	3796,556189		25135N65t	EGWD	33	5518,714	3688,677		42	N	N65b	25135N65t	EGWD	27	31	4	6	61,162.852	4,961.277	3	5.9
7231,745991	4323,846149		25143E43i	STWD	49	7231,746	3511,456		85	E	E43a	25143E43i	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6446,87721	4183,928104		25151A00c	STWD	33	6446,877	4393,398		24	A	A00d	25151A00c	STWD	43	35	-8	-10	61,162.852	4,961.277	-9	-9.3
6215,384615	2766,5565		25178M56	EGWD	49	6215,385	2360,777		1	M	M56b	25178M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6651,927885	3927,576131		25178M56	STWD	49	6651,928	2747,92		93	M	M56b	25178M56	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
5847,966885	4056,331381		25188M32	STWD	32	5847,967	3678,692		146	M	M32a	25188M32	STWD	32	29	-3	0	61,162.852	4,961.277	-3	-1.7
4580,269028	3319,084629		25194N62i	EGWD	31	4580,269	4455,804		76	N	N62a	25194N62i	EGWD	30	30	0	1	61,162.852	4,961.277	1	2.1
7013,654703	4215,465516		25208E43a	STWD	49	7013,655	3335,513		111	E	E43a	25208E43a	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
4817,877524	3249,651843		25216F76a	EGWD	31	4817,878	3299,475		8	F	F76a	25216F76a	EGWD	27	32	5	4	61,162.852	4,961.277	5	2.1
3754,745922			25232F81c	STWD	14	3754,746			173	F	F81c	25232F81c	STWD	14	13	-1	0	61,162.852		-1	-1.7
7114,061958	6413,33877		25240E18t	STWD	47	7114,062	3728,994		52	E	E18b	25240E18t	STWD	40	38	-2	7	61,162.852	4,961.277	-3	5.9
5529,836636	3940,394912		25240E19t	STWD	33	5529,837	3722,909		69	E	E19b	25240E19t	STWD	30	29	-1	3	61,162.852	4,961.277	-1	2.1
7087,95733	4092,399086		25240E20c	STWD	49	7087,952	2778,981		48	E	E20c	25240E20c	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7418,490535	4227,347594		25240E24c	STWD	49	7418,491	2855,804		16	K	K24e	25259C84c	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
4362,569828	2656,355352		25275F85t	EGWD	41	4367,57	2474,296		22	F	F85b	25275F85t	EGWD	35	38	3	6	61,162.852	4,961.277	3	5.9
10172,07792			25305K47c	EGWD	49	10172,08	2366,825		1	K	K47a	25305K47c	EGWD					61,162.852			
7926,81161	4334,697695		25305K47i	STWD	49	7926,812	2997,471		90	K	K47a	25305K47i	STWD		46			61,162.852	4,961.277		
9850			25305K47i	EGWD	49	9850	2167,639		4	K	K47e	25305K47i	EGWD					61,162.852			
7455,715813	4106,535142		25305K47t	STWD	49	7455,716	2809,955		35	K	K47e	25305K47t	STWD	45	46	-1	4	61,162.852	4,961.277	-1	2.1
7213,867961	4176,760863		25305K47f	STWD	49	7213,868	2659,628		127	K	K47f	25305K47f	STWD	48	46	-2	1	61,162.852	4,961.277	-3	2.1
4166,385311	2703,21229		25313F78a	EGWD	35	4166,385	2709,03		15	F	F78a	25313F78a	EGWD	34	35	1	1	61,162.852	4,961.277	1	2.1
3721,113031	3138,159196		25313F78a	STWD	18	3721,113	2924,295		78	F	F78a	25313F78a	STWD	18	16	-2	0	61,162.852	4,961.277	-3	-1.7
8139,784946			25348A07f	EGWD	49	8139,785	3371,634		1	A	A07f	25348A07f	EGWD					61,162.852			
7310,35122	4301,634457		25348A07f	STWD	48	7310,351	3796,588		56	A	A07f	25348A07f	STWD	46	43	-3	2	61,162.852	4,961.277	-3	2.1
7511,36991	3382,119969		25348A07t	EGWD	49	7511,37	3980,534		2	A	A07h	25348A07t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7476,186976	4317,1114457		25348A07t	STWD	47	7476,187	3968,019		44	A	A07h	25348A07t	STWD	47	43	-4	0	61,162.852	4,961.277	-5	-1.7
6848,696047	3543,00458		25356A07f	EGWD	49	6848,696	4007,777		3	A	A07f	25356A07f	EGWD					61,162.852	4,961.277		
7666,313642	4424,364937		25356A07f	STWD	46	7666,314	4155,864		9	A	A07f	25356A07f	STWD	45	42	-3	1	61,162.852	4,961.277	-3	2.1
7278,877515	4326,328811		25356A07h	STWD	48	7278,878	3779,147		32	A	A07h	25356A07t	STWD	44	42	-2	4	61,162.852	4,961.277	-3	2.1
6842,020237	4012,116522		25372K52t	STWD	49	6842,02	2917,795		123	K	K52b	25372K52t	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
5191,255717	3638,105747		25380K91c	STWD	33	5191,256	3424,468		54	K	K91c	25380K91c	STWD	33	29	-4	0	61,162.852	4,961.277	-5	-1.7
8677,083333	5279,765163		25399N73i	EGWD	46	8677,083	4835,37		2	N	N73h	25399N73i	EGWD	43

[redacted]

7106,471245	4044,488653	[redacted]	26859M28	STWD	49	7106,471	2988,727	[redacted]	17	M	M28a	26859M28	STWD	43	42	-1	6	61,162.852	4,961.277	-1	5.9
6295,113809	3187,538933		26859M28	EGWD	47	6295,114	3331,385		13	M	M28c	26859M28	EGWD		49			61,162.852	4,961.277		
6752,672632	3578,146489		26859M28	STWD	46	6752,673	2857,177		144	M	M28c	26859M28	STWD	43	41	2	6	61,162.852	4,961.277	3	5.9
7991,782208	4815,496922		26867A04	STWD	42	7991,782	5253,946		8	A	A04f	26867A04	STWD	42	40	-2	0	61,162.852	4,961.277	-3	-1.7
8074,281609	4384,792164		26875M29	EGWD	49	8074,282	4720,962		2	M	M29c	26875M29	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5775,396825	3689,652206		26875M29	STWD	42	5775,397	2525,851		2	M	M29c	26875M29	STWD	41	38	-3	1	61,162.852	4,961.277	-3	2.1
5743,82716	3849,442879		26883N62	EGWD	38	5743,827	3546,738		15	N	N62b	26883N62	EGWD	33	34	1	5	61,162.852	4,961.277	1	5.9
6773,917204	4299,799214		26905E13	EGWD	49	6773,917	3483,22		44	E	E13e	26905E13	EGWD	40	36	-4	9	61,162.852	4,961.277	-5	9.7
6316,868543	4011,603648		26905E13	STWD	49	6316,869	3214,81		109	E	E13f	26905E13	STWD	40	36	-4	9	61,162.852	4,961.277	-5	9.7
4593,217016	3034,999892		26913N66	EGWD	22	4593,217	3269,615		76	N	N66b	26913N66	EGWD		29			61,162.852	4,961.277		
4347,315593	3595,107515		26913N66	STWD	31	4347,316	3000,871		9	N	N66b	26913N66	STWD	20	15	-5	11	61,162.852	4,961.277	-5	9.7
4935,897436	3100,786125		26913N66	EGWD		4935,897	3729,23		1	N	N66e	26913N66	EGWD					61,162.852	4,961.277		
3928,684897	2615,671777		26921F83	EGWD	32	3928,885	2674,232		18	F	F83a	26921F83	EGWD	31	33	2	1	61,162.852	4,961.277	1	2.1
6943,820225	4174,928964		26948A03	STWD	35	6943,82	3697,07		1	A	A03f	26948A03	STWD	42	38	-4	-7	61,162.852	4,961.277	-5	-5.5
5648,158739	2819,113252		26964K91	EGWD	49	5648,159	2692,241		19	K	K91c	26964K91	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
10597,01307			26972K46	EGWD		10597,01	3142,449		28	K	K46c	26972K46	EGWD					61,162.852			
7830,940144	4295,400344		26972K46	STWD	49	7830,94	2770,31		45	K	K46c	26972K46	STWD					61,162.852	4,961.277		
6311,71255	3840,542357		26980M29	STWD	43	6311,713	3484,788		57	M	M29c	26980M29	STWD	40	38	-2	3	61,162.852	4,961.277	-3	2.1
4887,326656	3624,800138		27009N65	EGWD	33	4887,327	3496,084		4	N	N65b	27009N65	EGWD	28	32	4	5	61,162.852	4,961.277	5	5.9
4915,982272	3432,110158		27049N65	EGWD	32	4915,982	3345,684		19	N	N65b	27049N65	EGWD	26	30	4	6	61,162.852	4,961.277	3	5.9
7232,694226	4308,05919		27065E42	STWD	49	7232,694	3611,722		181	E	E42c	27065E42	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7207,718047	4327,518188		27065E42	STWD	49	7207,718	3663,824		94	E	E42d	27065E42	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6443,083272	4079,937097		27073E38	STWD	49	6443,083	3133,105		268	E	E38d	27073E38	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7
6786,842512	4247,535359		27073E41	STWD	49	6786,843	3324,207		270	E	E41c	27073E41	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6838,489672	4272,537534		27073E42	STWD	48	6838,49	3552,618		298	E	E42c	27073E42	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
6796,928712	4256,564187		27073E42	STWD	47	6796,929	3627,469		191	E	E42d	27073E42	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
3465,865268	3336,262341		27081F81	STWD	7	3465,865	3508,716		215	F	F81a	27081F81	STWD	10	8	-2	-3	61,162.852	4,961.277	-3	-1.7
4288,13799	3719,173899		27081F82	STWD	13	4288,138	3683,916		46	F	F82a	27081F82	STWD	13	13	0	0	61,162.852	4,961.277	-1	-1.7
4289,734751	2549,666964		27081F82	EGWD	44	4289,735	2391,899		27	F	F82b	27081F82	EGWD	36	40	4	8	61,162.852	4,961.277	3	9.7
3971,654167	3223,614013		27081F82	STWD	18	3971,654	3244,965		288	F	F82b	27081F82	STWD	19	16	-3	-1	61,162.852	4,961.277	-3	-1.7
3413,696697	3234,756764		27081F83	STWD	5	3413,697	3393,461		48	F	F83a	27081F83	STWD	10	5	-5	-5	61,162.852	4,961.277	-5	-5.5
4448,667602	3141,361169		27138F80	EGWD	21	4448,668	3415,505		135	F	F80b	27138F80	EGWD	25	28	3	-4	61,162.852	4,961.277	3	-5.5
6204,819277	4262,995198		27138F82	EGWD	42	6204,819	4546,77		1	F	F82b	27138F82	EGWD	36	39	3	6	61,162.852	4,961.277	3	5.9
4817,434532	3009,493059		27138F84	EGWD	33	4817,435	3533		9	F	F84c	27138F84	EGWD	28	36	8	5	61,162.852	4,961.277	7	5.9
4508,140172	3031,025475		27138F88	EGWD	31	4508,149	3004,427		73	F	F88j	27138F88	EGWD	26	30	4	5	61,162.852	4,961.277	3	5.9
4525,40749	3525,770923		27138F88	STWD	31	4525,407	3014,444		9	F	F88j	27138F88	STWD	22	17	-5	9	61,162.852	4,961.277	-5	9.7
3568,302947	3427,95432		27146F81	STWD	14	3568,303	3578,05		393	F	F81c	27146F81	STWD	14	13	-1	0	61,162.852	4,961.277	-1	-1.7
6602,93803	3082,523786		27162M55	EGWD	49	6602,933	2793,786		8	M	M55h	27162M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5564,317482	3630,01786		27170N62	EGWD	37	5564,317	3552,686		31	N	N62b	27170N62	EGWD	36	35	-1	1	61,162.852	4,961.277	-1	2.1
4755,204376	3635,138628		27189F89	STWD	32	4755,204	3235,585		250	F	F89c	27189F89	STWD	28	26	-2	4	61,162.852	4,961.277	-3	2.1
8843,396774	4148,320615		27197K91	EGWD	49	8843,397	4000,018		4	K	K91c	27197K91	EGWD	48	47	-1	1	61,162.852	4,961.277	-1	2.1
6108,460395	2949,38109		27227K90	EGWD	49	6108,46	2666,519		19	K	K90c	27227K90	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4861,824496	2881,419138		27235K90	EGWD	49	4861,824	2353,767		19	K	K90d	27235K90	EGWD	44	43	-1	5	61,162.852	4,961.277	-1	5.9
6319,53125	4316,729881		27243A01	EGWD		7100			1	A	A01c	27243A01	EGWD	39				61,162.852	4,961.277		
6359,306485	4513,267792		27243A01	STWD	33	6359,306	5315,097		22	A	A01c	27243A01	STWD	39	34	-5	-6	61,162.852	4,961.277	-5	-5.5
5827,586207	3862,774392		27251A00	STWD	30	5827,586	3640,76		1	A	A00c	27251A00	STWD	39	35	-4	-9	61,162.852	4,961.277	-5	-9.3
6945,193969	4553,355033		27251A00	STWD	29	6945,194	5229,87		7	A	A00e	27251A00	STWD	40	34	-6	-11	61,162.852	4,961.277	-7	-9.3
6231,53744	4505,254596		27278A00	STWD	27	6231,538	5019,557		26	A	A00c	27278A00	STWD	37	32	-5	-10	61,162.852	4,961.277	-5	-9.3
7449,01996	4616,035717		27278A00	STWD	29	7449,02	5357,459		14	A	A00e	27278A00	STWD	42	38	-4	-13	61,162.852	4,961.277	-5	-13.1
6656,290058	4185,685165		27286K53	STWD	48	6656,299	3455,701		87	K	K53a	27286K53	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
8672,37511	4311,315181		27294A02	EGWD	49	8672,375	4476,916		3	A	A02b	27294A02	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7850,592024	4627,260016		27294A02	STWD	43	7850,592	4726,048		12	A	A02b	27294A02	STWD	45	41	-4	-2	61,162.852	4,961.277	-5	-1.7
6597,011648	3401,512542		27308A06	EGWD	45	6597,012	4109,387		3	A	A06g	27308A06	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7187,586015	4512,220064		27308A06	STWD	41	7187,586	4366,709		93	A	A06g	27308A06	STWD	42	39	-3	-4	61,162.852	4,961.277	-3	-4.7
3994,915089	2766,555209		27316F83	EGWD	29	3994,911	2840,486		26	F	F83a	27316F83	EGWD	28	31	3	1	61,162.852	4,961.277	3	2.1
6648,717949	4225,596811		27367A01	EGWD	30	6648,718	4955,38		2	A	A01d	27367A01	EGWD	43	44	1	-13	61,162.852	4,961.277	1	-13.1
7178,955146	4452,655891		27367A01	STWD	32	7178,953	4794,989		24	A	A01d	27367A01	STWD	39	36	-3	-7	61,162.852	4,961.277	-3	-5.5
12728,75494			27375A02	EGWD	49	12728,75			2	A	A02c	27375A02	EGWD	49	49	0	0	61,162.852		-1	-1.7
7531,40133	4452,393591		27375A02	STWD	46	7531,401	4071,442		9	A	A02c	27375A02	STWD	47	41	-6	-1	61,162.852	4,961.277	-7	-1.7
7553,820025	3662,967584		27391A04	EGWD	43	7553,82	4265,285		7	A	A04d	27391A04	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7006,297833	4431,508753		27391A04	STWD	36	7006,298	4472,662		83	A	A04d	27391A04	STWD	39	37	-2	-3	61,162.852	4,961.277	-3	-1.7
5146,067416			27405A00	EGWD	32	5146,067			1	A	A00a	27405A00	EGWD	43	45	2	-11	61,162.852		1	-9.3
6742,647059	4534,107431		27405A00	STWD	30	6742,647	5116,684		2	A	A00a	27405A00	STWD	38	35	-3	-8	61,162.852	4,961.277	-3	-9.3
5500	3900,013846		27405A00	STWD	27	5500	4241,265		1	A	A00b	27405A00	STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
5988,865546	4094,325895		27405A01	STWD	33	5988,866	4187,335		2	A	A01c	27405A01	STWD	39	34	-5	-6	61,162.852	4,961.277	-5	-5.5
6843,859038	4485,014784		27405A01	STWD	29	6843,859	4809,416		9	A	A01e	27405A01	STWD	38	34	-4	-9	61,162.852	4,961.277	-5	-9.3
7167,380734	4724,037167		27413A00	STWD	26	7167,381	5347,985		12	A	A00c	27413A00	STWD	37	34	-3	-11	61,162.852	4,961.277	-3	-9.3
9000,940891	4972,672897		27421A00	EGWD	40	9002,298	4777,802		5	A	A00b	27421A00	EGWD	49	41	-2	-9	61,162.852	4,961.277	1	-9.4
5840,804559	4084,725297		27421A00	STWD	22	5840,805	4578,887		29	A	A00b	27421A00	STWD	34	29	-5	-12	61,162.852	4,961.277	-5	-13.1
7535,757576	4661,319464		27448A00	STWD	34	7535,758	5415,157		3	A	A00e	27448A00	STWD	42	36	-6	-8	61,162.852	4,961.277	-7	-9.3
6850,495827	3172,322163		27499A04	EGWD	48	6850,496	3242,395		5	A	A04d	27499A04	EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
7017,02675	4474,660057		27499A04	STWD	32	7017,027	4819,003		31	A	A04d	27499A04	STWD	38	36	-2	-6	61,162.852	4,961.277	-3	-5.5
6865,921788	3571,704351		27499A04	EGWD	41	6865,922	3986,006		1	A	A04e	27499A04	EGWD	47	48	1	-6	61,162.852	4,961.277	1	-5.5
7031,229018	4288,498837		27499A04	STWD	39	7031,229	4175,956		49	A	A04e	27499A04	STWD	41	37	-4	-2	61,162.852	4,961.277	-5	-1.7
6936,17179	4230,15716		27499A04	STWD	47	6936,172	3914,167		73	A	A04f	27499A04	STWD	43	40	-3	4	61,162.852	4,961.277	-3	2.1
6662,474024	4141,727687		27561M27	STWD	49	6662,474	3171,045		130	M	M27b	27561M27	STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
4791,187608	2811,334729		27618K90	EGWD	49	4791,188	2325,775		19	K	K90d	27618K90	EGWD	43	43	0	6	61,162.852	4,961.277	-1	5.9
5192,419872	3433,456582		27626N63	EGWD	40	5192,42	3258,354		20	N	N63a	27626N63	EGWD	31	36	5	9	61,162.852	4,961.277	5	9.7
4522,124825	3517,133147		27650F87	EGWD	24	4522,125	3360,955		194	F	F87d	27650F87	EGWD	18	20	2	6	61,162.852	4,961.277	1	5.9
7211,84597	4098,076053		27677E20	STWD	49	7211,846	2912,994		69	E	E20a	27677E20	STWD	44	44	0	5	61,162.852	4,961.277	-1	5.9
7043,19956	3554,253055		27677E20	EGWD	49	7043,2	3788,206		4	E	E20b	27677E20	EGWD					61,162.852	4,961.277		
6890,595648	4129,456411		27677E20	STWD	49	6890,596	3011,577		235	E	E20b	27677E20	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6814,724608	4117,302378		27677E20	STWD	49	6814,725	3126,144		99	E	E20c	27677E20	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
5912,333121			27677E21	EGWD		5912,333	2798,546		2	E	E21a	27677E21	EGWD					61,162.852			
7153,886589	4159,505677		27677E21	STWD	49	7153,887	3038,065		313	E	E21a	27677E21	STWD	42	42	0	7	61,162.852	4,961.277	-1	5.9
7810,935254	3939,356028		27677E21	EGWD	49	7810,935	3902,962		9	E	E21b	27677E21	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6938,442513	3722,120567		27677E21	STWD	49	6938,443	3224,6		184	E	E21b	27677E21	STWD	44	40	-4	-5	61,162.852	4,961.277	-5	5.9
8809,210526	3866,662076		27677E22	EGWD		8809,211	3800,885		1	E	E22a	27677E22	EGWD					61,162.852	4,961.277		
7683,141691	4336,246025		27677E22	STWD	49	7683,142	3240,822		93	E	E22a	27677E22	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
8820,451081	3841,877656		27677E22	EGWD		9692,298	4172,201		3	E	E22b	27677E22	EGWD		49			61,162.852	4,961.277		
6273,547553	4001,871971		27677E22	STWD	49	6276,78	3112,83		107	E	E22b	27677E22	STWD	42	37	-5	7	61,162.852	4,961.277	-5	5.9
4084,441115	3738,210905		27685N68	STWD	6	4084,441	4174,382		45	N	N68c	27685N68	STWD	10	9	-1	-4	61,162.852	4,961.277	-1	-5.5
4751,814122	3558,763107		27693K90	STWD	25	4751,814	3588,117		45	K	K90c	27693K90	STWD	30	23	-7	-5	61,162.852	4,961.277	-7	-5.5
8048,615289	3715,534837		27715K47	STWD	49	8048,616	3106,127		205	K	K47b	27715K47	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
10102,02471	4118,365923		27715K47	EGWD	49	10102,02	3612,381		6	K	K47c	27715K47	EGWD		49			61,162.852	4,961.277		
9101,095082	4358,663069		27715K47	STWD		9101,095	3094,344		89	K	K47c	27715K47	STWD					61,162.852	4,961.277		
6875,302053	4111,808557		27758M30	STWD	49	6875,302	3292,81		31	M	M30b	27758M30	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7865,470302	4387,316418		27766A03	STWD	46	7865,47	4154,683		51	A	A03e	27766A03	STWD	44	40	-4	2	61,162.852	4,961.277	-5	2.1
10190,90909	4416,908071		27790E22	EGWD		10190,91	4110,251		1	E	E22a	27790E22	EGWD					61,162.852	4,961.277		
8222,37874	4372,210036		27790E22	STWD	49	8222,379	4393,589		12	E	E22a	27790E22	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7659,750722	4775,870322		27804A01	STWD	33	7659,751	5194,115		4	A	A01g	27804A01	STWD		38			61,162.852	4,961.277		
5123,639987	3760,045122		27812M31	STWD	38	5143,717	3064,745		55	M	M31c	27812M31	STWD	30	27	-3	8	61,162.852	4,961.277	-3	9.7
9444,751381			27820K47	EGWD	49	9444,751	2352,362		1	K	K47c	27820K47	EGWD		49			61,162.852			
8111,729778	4215,760247		27820K47	STWD		8111,73	2725,083		64	K	K47c	27820K47	STWD					61,162.852	4,961.277		
7078,77193	4373,262329		27839K26	STWD	49	7078,772	3553,92		19	K	K26c	27839K26	STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
7218,152036	3833,321727		27847A06	EGWD	40	7218,152	4510,824		2	A	A06a	27847A06	EGWD	47	48	1	-7	61,162.852	4,961.277	1	-5.5
6695,457428	4182,59267		27847A06	STWD	45	6695,457	3581,524		6	A	A06a	27847A06	STWD	43	40	-3	2	61,162.852	4,961.277	-3	2.1
7301,328718	3633,856861		27855A06	EGWD	42	7301,329	4231,93		6	A	A06a	27855A06	EGWD	49	49	0	-7	61,162.852	4,961.277	-1	-5.5
7798,377336	4634,272944		27855A06	STWD	41	7798,377	4624,289		147	A	A06a	27855A06	STWD	43	40	-3	-2	61,162.852	4,961.277	-3	-1.7
7931,027576	4151,431324		27863A06	EGWD	40	7931,028	4584,499		5	A	A06a	27863A06	EGWD	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7631,953383	4542,58615		27863A06	STWD	40	7631,953	4535,878		83	A	A06a	27863A06	STWD	43	39	-4	-3	61,162.852	4,961.277	-5	-1.7
6342,397407	3023,896779		27901M33	EGWD	49	6342,397	2548,219		81	M	M33e	27901M33	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5672,427242	3822,776848		27901M33	STWD	36	5672,427	3509,223		31	M	M33e	27901M33	STWD	35	33	-2	1	61,162.852	4,961.277	-3	2.1
5215,533445	3194,447138		27938N67	EGWD	38	5215,533	3138,085		16	N	N67a	27938N67	EGWD	34	38	4	4	61,162.852	4,961.277	3	5.9
3680,555556	3177,983264		27944N71	STWD	10	3680,556	2160,76		1	N	N71c	27944N71	STWD	31	30	-1	9	61,162.852	4,961.277	-1	9.7
4575,609756	3637,485651		27960N60	STWD	39	4575,61	2577,481		2	N	N60b	27960N60	STWD	28	27	-1	11	61,162.852	4,961.277	-1	9.7
2980,769231	2088,504244		27960N71	EGWD	38	2980,769	2216,66		1	N	N71c	27960N71	EGWD		41			61,162.852	4,961.277		
5472,156932	3936,03347		27960N71	STWD	35	5472,157	3583,366		48	N	N71c	27960N71	STWD	27	27	0	8	61,162.852	4,961.277	-1	9.7
6897,715538	4092,76261		28002E43	STWD	49	6897,716	3142,195		122	E	E43a	28002E43	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
6783,47128	3987,136403		28010E43	STWD	49	6783,477	3734,734		232	E	E43a	28010E43	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7161,122974	4415,858892		28037K23	STWD	44	7161,123	3978,927		84	K	K23d	28037K23	STWD	42	38	-4	2	61,162.852	4,961.277	-5	2.1
6106,812621	3763,691801		28037K48	STWD	49	6106,813	2601,807		60	K	K48f	28037K48	STWD	43	38	-5	6	61,162.852	4,961.277	-5	5.9
19829,05992	6829,120234		28037K49	STWD	49	19829,06	4457,026		68	K	K49f	28037K49	STWD	47	43	-4	2	61,162.852	4,961.277	-5	2.1
5254,935094	3481,66643		28037K59	STWD	33	5254,935	3392,336		84	K	K59a	28037K59	STWD	37	33	-4	-4	61,162.852	4,961.277	-5	-5.5
7221,189823	3089,623426		28045M56	EGWD	49	7221,19	2761,75		6	M	M56c	28045M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6810,057717	3935,809076		28045M56	STWD	49	6810,058	2723,682		8	M	M56c	28045M56	STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
7851,126981	3955,356277		28053A06	EGWD	43	7851,127	4127,802		8	A	A06h	28053A06	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
8159,812076	4680,668649		28053A06	STWD	48	8159,812	4292,125		27	A	A06h	28053A06	STWD	45	44	-1	3	61,162.852	4,961.277	-1	2.1
7982,54961	4180,80582		28061A06	EGWD	45	7982,55	4725,666		5	A	A06h	28061A06	EGWD	49	48	-1	-4	61,162.852	4,961.277	-1	-5.5
7799,626452	4375,715152		28061A06	STWD	49	7799,626	3742,688		55	A	A06h	28061A06	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6920,088775	4193,619912		28088K26	STWD	49	6920,089	3444,602		19	K	K26c	28088K26	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
7177,803143	3237,199313		28096M55	EGWD	49	7177,803	3145,96		39	M	M55h	28096M55	EGWD		49			61,162.852	4,961.277		
6078,513872	3986,763697		28096M55	STWD	46	6078,144	3034,677		22	M	M55h	28096M55	STWD	35	36	1	11	61,162.852	4,961.277	1	9.7
5881,07725	3859,66376		28134A00	STWD	27	5881,077	3053,588		2	A	A00b	28134A00	STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
7007,072644	4178,213348		28169K48	STWD	49	7007,073	3285,244		76	K	K48f	28169K48	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
4157,271508	2913,359784		28177F77	EGWD	27	4157,272	3019,654		97	F	F77c	28177F77	EGWD	27	29	2	0	61,162.852	4,961.277	1	-1.7
9873,846154			28215K47	EGWD	49	9873,846	3154,235		1	K	K47b	28215K47	EGWD					61,162.852			
8572,991285			28215K47	STWD	49	8572,991	2955,808		14	K	K47b	28215K47	STWD		46			61,162.852			
8445,01646	4393,648439		28215K47	STWD	49	8445,016	2996,021		5	K	K47c	28215K47	STWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
5768,615143	3765,680916		28258K52	STWD	37	5768,615	3009,677		35	K	K52g	28258K52	STWD	41	34	-7	-6	61,162.852	4,961.277	-7	-5.5
4820,787469	3236,285563		28266N65	EGWD	34	4820,787	3175,226		10	N	N65b	28266N65	EGWD	28	33	5	6	61,162.852	4,961.277	5	5.9
6097,598208	4259,762563		28274M55	STWD	36	6097,598	4732,852		33	M	M55h	28274M55	STWD	30	30	0	6	61,162.852	4,961.277	-1	5.9
3898,176946	2689,758324		28304F83	EGWD	30	3898,177	2749,594		25	F	F83a	28304F83	EGWD	27	31	4	3	61,162.852	4,961.277	3	2.1
6923,297832	4228,92334		28312K26	STWD	49	6923,298	3420,95		12	K	K26b	28312K26	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
6897,950529	4418,612763		28320A04	STWD	33	6897,951	4658,729		28	A	A04c	28320A04	STWD	38	36	-2	-5	61,162.852	4,961.277	-3	-5.5
3920,177384	2782,211781		28359N65	EGWD	27

[redacted]

7352,541241	4051,157666	[redacted]	30015K49t	STWD	49	7352,541	2571,763	[redacted]	29	K	K49e	30015K49t	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7444,245036	4448,624365		30023A02t	STWD	43	7444,245	4387,335		16	A	A02b	30023A02t	STWD	45	40	-5	-2	61,162.852	4,961.277	-5	-1.7
8329,876438	5053,112389		30023A02c	STWD	41	8329,876	5671,031		6	A	A02c	30023A02c	STWD	43	39	4	2	61,162.852	4,961.277	5	1.7
8146,367521	4890,08439		30082A06t	STWD	44	8146,368	5258,899		7	A	A06h	30082A06t	STWD	43	40	-3	1	61,162.852	4,961.277	-3	2.1
6204,166667	3964,614058		30082A06j	STWD	39	6204,167	3184,945		3	A	A06j	30082A06j	STWD	40	36	-4	-1	61,162.852	4,961.277	-5	-1.7
7522,423025	3999,701804		30090A04t	EGWD	42	7522,423	4735,511		3	A	A04h	30090A04t	EGWD	48	49	1	-6	61,162.852	4,961.277	1	-5.5
7279,339421	4517,559416		30090A04f	STWD	37	7279,339	4698,837		62	A	A04h	30090A04f	STWD	41	39	-2	-4	61,162.852	4,961.277	-3	-5.5
6268,37476	3932,037247		30304A06j	STWD	44	6268,375	3024,365		21	A	A06j	30304A06j	STWD	42	37	-5	2	61,162.852	4,961.277	-5	2.1
5418,918919	3923,705757		30112A01f	STWD	36	5418,919	4253,896		1	A	A01f	30112A01f	STWD	43	39	-4	-7	61,162.852	4,961.277	-5	-5.5
7542,742743	3628,01883		30120A06f	EGWD	45	7542,743	4151,468		2	A	A06h	30120A06f	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7826,440554	4503,226		30120A06t	STWD	44	7826,441	4614,076		58	A	A06h	30120A06t	STWD	46	41	-5	-2	61,162.852	4,961.277	-5	-1.7
4428,990324	3232,319575		30139F80t	EGWD	16	4428,99	3783,154		7	F	F80b	30139F80t	EGWD	24	28	4	-8	61,162.852	4,961.277	5	-9.3
5190,769231	2756,94078		30171N70t	EGWD	49	5190,769	2615,818		13	N	N70b	30171N70t	STWD	39	46	7	10	61,162.852	4,961.277	7	9.7
4566,26506	3490,914346		30171N70t	STWD	26	4566,265	2734,879		1	N	N70b	30171N70t	STWD	18	19	1	8	61,162.852	4,961.277	1	9.7
7015,137521	3052,037247		30198M56	STWD	49	7015,138	3724,475		10	M	M56c	30198M56	STWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6531,168208	3874,825431		30198M56	STWD	49	6531,168	2680,742		68	M	M56c	30198M56	STWD	41	36	-5	8	61,162.852	4,961.277	-5	9.7
10355,55556			30198M56	EGWD		10355,56			1	M	M56e	30198M56	EGWD					61,162.852			
5974,905388	3833,17547		30228N60t	EGWD	42	5974,905	3505,985		19	N	N60a	30228N60t	EGWD	35	36	1	7	61,162.852	4,961.277	1	5.9
6971,496231	3837,688635		30228N60f	EGWD	38	6971,496	4302,156		5	A	A04c	30228N60f	EGWD	48	49	1	-10	61,162.852	4,961.277	1	-9.3
6780,506608	4268,610748		30236A04t	STWD	38	6780,507	4207,429		153	A	A04c	30236A04t	STWD	39	37	-2	-1	61,162.852	4,961.277	-3	-1.7
7283,541885	4459,555793		30244A04t	STWD	34	7283,542	4860,955		17	A	A04c	30244A04t	STWD	40	38	-2	-6	61,162.852	4,961.277	-3	-5.5
6071,133661	4248,515859		30244A04j	STWD	35	6071,134	3942,29		34	A	A04g	30244A04j	STWD	33	30	-3	2	61,162.852	4,961.277	-3	2.1
6669,672565	4138,72879		30252A04j	STWD	43	6669,673	3786,532		173	A	A04g	30252A04j	STWD	41	37	-4	2	61,162.852	4,961.277	-5	2.1
10827,41129	3750,451385		30260K49t	EGWD	49	10827,41	2504,088		27	K	K49e	30260K49t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7655,686443	4155,270302		30260K49f	STWD	49	7655,686	2710,163		14	K	K49e	30260K49f	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
9483,024905	3732,137291		30279K49c	EGWD	49	9483,025	2417,805		3	K	K49d	30279K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7260,97347	4065,664853		30279K49t	STWD	49	7260,973	2664,127		35	K	K49d	30279K49t	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7520,306425	4131,276223		30279K49f	STWD	49	7520,306	2647,35		12	K	K49e	30279K49f	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7055,555556	3431,734106		30295A05c	EGWD	49	7055,556	3882,055		1	A	A05d	30295A05c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6650,953994	4122,758574		30295A05t	STWD	42	6650,954	3580,785		48	A	A05d	30295A05t	STWD	43	38	-5	-1	61,162.852	4,961.277	-5	-1.7
6449,438166	3197,865695		30309M55	EGWD	49	6449,438	3051,22		36	M	M55g	30309M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6566,692254	4125,922118		30309M55	STWD	49	6566,692	3383,326		27	M	M55g	30309M55	STWD	38	37	-1	11	61,162.852	4,961.277	-1	9.7
6862,213167	3303,0288		30317A04c	EGWD	48	6862,213	3670,179		4	A	A04d	30317A04c	EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
6876,285765	4359,603178		30317A04t	STWD	34	6876,286	4581,367		80	A	A04d	30317A04t	STWD	40	37	-3	-6	61,162.852	4,961.277	-3	-5.5
6961,660253	3385,020338		30317A04f	STWD	41	6961,66	3962,803		3	A	A04e	30317A04f	EGWD	47	48	1	6	61,162.852	4,961.277	1	5.5
26123,26503	8892,517708		30317A04c	STWD	39	26123,27	7144,923		56	A	A04e	30317A04c	STWD	38	37	-1	1	61,162.851	10,706.821	-1	2.1
7631,153522	4620,029643		30325A02c	STWD	41	7631,154	4889,201		38	A	A02c	30325A02c	STWD	44	40	-4	-3	61,162.852	4,961.277	-5	-1.7
6593,080546	4108,236733		30333K53t	STWD	49	6593,081	3312,095		57	K	K53a	30333K53t	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6628,733146	4315,048001		30368A03f	STWD	32	6628,733	4509,832		30	A	A03f	30368A03f	STWD	40	35	-5	-8	61,162.852	4,961.277	-5	-9.3
7929,052312	4553,686381		30376A03t	STWD	49	7929,052	2910,534		15	A	A03b	30376A03t	STWD	47	43	-4	2	61,162.852	4,961.277	-5	2.1
5726,058896	4617,62447		30376A03c	STWD	42	5726,059	4577,682		38	A	A03c	30376A03c	STWD	44	44	0	-2	61,162.852	4,961.277	-1	-1.7
6848,610125	4413,800259		30376A03f	STWD	34	6848,61	4608,298		54	A	A03f	30376A03f	STWD	41	36	-5	-7	61,162.852	4,961.277	-5	-5.5
9294,7099	4169,195625		30384A03c	EGWD	49	9294,71	4095,465		23	A	A03c	30384A03c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8383,478189	4658,481148		30384A03c	STWD	49	8383,478	4139,652		37	A	A03c	30384A03c	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
9160,644929	3940,624796		30384A03j	EGWD	49	9160,645	3739,377		9	A	A03d	30384A03j	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
9165,322273	4962,234084		30384A03c	STWD	46	9165,322	4928,364		27	A	A03d	30384A03c	STWD	48	46	-2	-2	61,162.852	4,961.277	-3	-1.7
9500,153635	4164,77789		30384A07e	EGWD	49	9500,154	4200,858		8	A	A07e	30384A07e	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7639,458409	4453,347407		30384A07e	STWD	44	7639,458	4328,595		17	A	A07e	30384A07e	STWD	45	42	-3	-1	61,162.852	4,961.277	-3	-1.7
8875,134769	4837,701973		30384A07f	STWD	43	8875,135	5042,764		10	A	A07f	30384A07f	STWD	48	45	-3	-5	61,162.852	4,961.277	-3	-5.5
9127,081836	4095,453916		30384A07j	EGWD	49	9127,082	4376,123		10	A	A07g	30384A07j	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8293,885049	4694,613337		30384A07j	STWD	41	8293,885	4944,025		14	A	A07g	30384A07j	STWD	47	43	-4	-6	61,162.852	4,961.277	-5	-5.5
8256	3410,819718		30384A07f	EGWD	49	8256	3636,016		1	A	A07h	30384A07f	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8874,666495	4495,442354		30384A07f	STWD	49	8874,666	3412,226		11	A	A07h	30384A07f	STWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
4941,345828	3661,210928		30422N61t	STWD	40	4941,346	2940,268		11	N	N61b	30422N61t	STWD	26	22	-4	14	61,162.852	4,961.277	-5	13.5
7677,871922	3045,843972		30430E21t	EGWD	49	7677,872	3411,172		3	E	E21b	30430E21t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7953,84049	4346,695743		30430E21f	STWD	49	7953,84	3387,1		71	E	E21b	30430E21f	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
11822,99987	3988,851953		30449K47c	EGWD	49	11823	2619,664		11	K	K47e	30449K47c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8665,487077	4353,31607		30449K47t	STWD	49	8665,487	2920,564		29	K	K47e	30449K47t	STWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7818,889447	4158,688031		30449K47j	STWD	49	7818,889	2776,95		102	K	K47g	30449K47j	STWD	47	47	0	2	61,162.852	4,961.277	-1	2.1
6251,677852			30457K90c	EGWD	49	6251,678	2871,7		1	K	K90c	30457K90c	EGWD	48	48	0	1	61,162.852		-1	2.1
5399,248033	2849,362488		30457K91c	EGWD	49	5399,248	3428,565		17	K	K91c	30457K91c	EGWD	47	47	0	2	61,162.852	4,961.277	-1	2.1
4205,405571	2549,869643		30465F82a	EGWD	40	4205,406	2551,985		14	F	F82a	30465F82a	EGWD	35	37	2	5	61,162.852	4,961.277	1	5.9
5983,304241	3916,208788		30481E37e	STWD	49	5983,304	2917,31		18	E	E37e	30481E37e	STWD	37	34	-3	12	61,162.852	4,961.277	-3	13.5
6216,036887	4123,930402		30481E38c	STWD	49	6216,037	3146,333		9	E	E38c	30481E38c	STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5
6222,61006	4058,965991		30511E40t	STWD	49	6222,61	3062,392		20	E	E40b	30511E40t	STWD	39	35	-4	10	61,162.852	4,961.277	-5	9.7
6792,628681	4155,643027		30538E40t	STWD	49	6802,146	3067,155		296	E	E40b	30538E40t	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
5909,722232	2780,404269		30562M29	EGWD		5909,722	2302,738		1	M	M29b	30562M29	EGWD					61,162.852	4,961.277		
9123,94077	4970,899084		30562M29	STWD	48	9123,943	3140,987		290	M	M29b	30562M29	STWD	39	35	-4	9	61,162.852	4,961.277	-5	9.7
7080,603146	4287,773707		30570K54t	STWD	49	7080,603	3523,887		36	K	K54b	30570K54t	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
6080,485616	3972,366629		30589M30	STWD	48	6080,486	3121,476		55	M	M30a	30589M30	STWD	36	35	-1	12	61,162.852	4,961.277	-1	13.5
7298,848471	4487,814821		30600A03t	STWD	40	7298,848	4740,391		14	A	A03e	30600A03t	STWD	40	38	-2	0	61,162.852	4,961.277	-3	-1.7
7770,676692	4464,877154		30600A03f	STWD	32	7770,677	5291,715		7	A	A03f	30600A03f	STWD	42	38	-4	-10	61,162.852	4,961.277	-5	-9.3
3708,196878	3281,124631		30643F82c	STWD	12	3708,197	3230,216		28	F	F82c	30643F82c	STWD	13	12	-1	-1	61,162.852	4,961.277	-1	-1.7
6895,56405	4139,703995		30678M30	STWD	49	6895,564	3179,579		151	M	M30b	30678M30	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7571,519244	4360,706031		30724E21t	STWD	49	7571,519	3305,643		158	E	E21a	30724E21t	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
4838,803197	2735,224931		30740N60t	EGWD	43	4838,803	2510,86		4	N	N60b	30740N60t	EGWD	38	41	3	5	61,162.852	4,961.277	3	5.9
5000,100136	3681,231104		30740N60t	STWD	40	5000,1	2990,626		18	N	N60b	30740N60t	STWD	27	26	-1	13	61,162.852	4,961.277	-1	13.5
7850,262013	4167,3883		30759K47t	STWD	49	7850,262	2583,381		6	K	K47e	30759K47t	STWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
10697,94458	3837,535254		30767K49c	EGWD	49	10697,94	2852,615		13	K	K49a	30767K49c	EGWD		49			61,162.852	4,961.277		
5457,589525	3919,496706		30848K90c	STWD	26	5457,59	4034,252		51	K	K90c	30848K90c	STWD	30	26	-4	4	61,162.852	4,961.277	-5	-5.5
6974,308068	4231,130913		30856K44c	STWD	49	6974,308	3147,089		70	K	K44c	30856K44c	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6822,221917	4202,021854		30856K44c	STWD	49	6822,222	3342,311		74	K	K44d	30856K44c	STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
4750	2970,570935		30864N61t	EGWD	46	4750	3076,782		1	N	N61b	30864N61t	EGWD	40	43	3	6	61,162.852	4,961.277	3	5.9
5139,544463	3817,074249		30864N61t	STWD	35	5139,544	3085,766		10	N	N61b	30864N61t	STWD	28	25	-3	7	61,162.852	4,961.277	-3	5.9
5104,712096	3589,419064		30880N65t	EGWD	32	5104,712	3477,39		16	N	N65b	30880N65t	EGWD	25	30	5	7	61,162.852	4,961.277	5	5.9
6426,427783	4029,097346		30929K52c	STWD	39	6426,428	3108,365		86	K	K52d	30929K52c	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6110,352008	3992,270232		30929K53t	STWD	49	6110,352	3255,255		76	K	K53a	30929K53t	STWD	37	36	-1	12	61,162.852	4,961.277	-1	13.5
6003,341047	3943,941771		30929K53t	STWD	47	6003,341	3152,725		97	K	K53b	30929K53t	STWD	36	34	-2	11	61,162.852	4,961.277	-3	9.7
6212,257689	4026,64899		30929K54c	STWD	49	6244,834	3193,298		79	K	K54a	30929K54t	STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5
6140,397182	3863,413		30929K54t	STWD	49	6140,397	2877,025		55	K	K54b	30929K54t	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6053,007744	3886,651121		30929K54c	STWD	49	6053,008	2967,28		67	K	K54c	30929K54c	STWD	38	36	-2	11	61,162.852	4,961.277	-3	9.7
3927,88552	2782,133149		30937F83a	EGWD	28	3927,886	2846,067		26	F	F83a	30937F83a	EGWD	26	29	3	2	61,162.852	4,961.277	3	2.1
3871,764968	2727,71772		30945F83a	EGWD	27	3871,765	2813,293		25	F	F83a	30945F83a	EGWD	26	29	3	1	61,162.852	4,961.277	3	2.1
8068,09861	4567,140707		30953F87t	STWD	33	8068,07	4644,39		44	F	F87c	30953F87t	STWD	27	25	-2	6	61,162.852	4,961.277	-3	5.9
5435,570715	3426,107357		30953F87d	STWD	25	5435,571	3136,091		399	F	F87d	30953F87d	STWD	20	19	-1	5	61,162.852	4,961.277	-1	5.9
7711,644841	3707,880347		30961M55	EGWD	49	7711,645	3888,224		7	M	M55b	30961M55	EGWD	48	49	1	1	61,162.852	4,961.277	1	2.1
6727,217662	3096,470709		30961M55	EGWD	49	6727,218	2925,951		17	M	M55d	30961M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6952,552779	4136,885367		30961M55	STWD	49	6952,953	3353,11		93	M	M55d	30961M55	STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
5811,162302	4063,105966		31003M31	STWD	36	5820,18	4358,502		225	M	M31b	31003M31	STWD	32	29	-3	4	61,162.852	4,961.277	-3	2.1
5928,283103	4253,190855		31013M55	STWD	28	5928,283	4535,535		161	M	M55h	31013M55	STWD	28	28	0	10	61,162.852	4,961.277	-1	9.7
4346,050965	2603,481979		31038F76a	EGWD	41	4346,051	2422,942		6	F	F76a	31038F76a	EGWD	36	40	4	5	61,162.852	4,961.277	3	5.9
4336,473064	3800,29405		31054F85c	STWD	9	4336,473	4155,227		119	F	F85c	31054F85c	STWD	14	12	-2	-5	61,162.852	4,961.277	-3	-5.5
6282,460402	2885,450334		31062M55	EGWD	49	6282,46	2420,312		6	M	M55h	31062M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5140,645459	3996,930407		31070E38c	STWD	43	5150,198	4109,801		63	E	E38d	31070E38c	STWD	32	30	-2	11	61,162.852	4,961.277	-3	9.7
4431,095876	3797,073902		31070E39a	STWD	27	4431,096	4028,187		16	E	E39a	31070E39a	STWD	19	16	-3	8	61,162.852	4,961.277	-3	9.7
8152,260268	3717,912897		31089K26d	EGWD	49	8152,26	3312,36		6	K	K26a	31089K26d	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7555,881557	4568,217021		31097E14e	STWD	49	7555,882	3698,407		44	E	E14e	31097E14e	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
5420,273277	2916,358295		31135N69h	EGWD	47	5420,273	2851,156		15	N	N69a	31135N69h	EGWD	44	46	2	3	61,162.852	4,961.277	1	2.1
6371,762957	4015,683226		31151E37e	STWD	49	6371,763	3138,901		9	E	E37e	31151E37e	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
5378,272193	4178,458039		31178K47j	STWD	49	5378,272	3793,953		90	K	K47g	31178K47j	STWD	38	37	-1	11	61,162.852	4,961.277	-1	9.7
6846,059135	3881,878436		31178K47j	STWD	49	6846,059	2890,902		33	K	K47j	31178K47j	STWD	47	39	-8	2	61,162.852	4,961.277	-9	2.1
7607,826157	4255,431507		31186K47j	STWD	49	7607,826	2967,386		80	K	K47g	31186K47j	STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1
7545,619794	4235,245214		31186K47j	STWD	49	7545,62	3012,744		54	K	K47j	31186K47j	STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1
8769,729237			31194E22a	EGWD		8900,774			3	E	E22a	31194E22a	EGWD					61,162.852			
8429,971743	4694,939554		31194E22d	STWD	49	8429,972	4617,803		43	E	E22a	31194E22d	STWD		45			61,162.852	4,961.277		
6824,117088	3993,754725		31224K52c	STWD	49	6824,117	2885,56		263	K	K52c	31224K52c	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7778,987385	4641,401139		31232A08t	STWD	37	7778,987	4940,065		36	A	A08a	31232A08t	STWD	41	40	-1	-4	61,162.852	4,961.277	-1	-5.5
6786,396847	4146,11651		31232A08t	STWD	36	6786,397	5193,388		24	A	A08b	31232A08t	STWD	41	39	-2	-5	61,162.852	4,961.277	-3	-5.5
5751,309431	2885,967864		31240K91c	EGWD	49	5751,309	2706,571		20	K	K91c	31240K91c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6233,144694	4110,815767		31240K91e	STWD	46	6233,145	4073,173		77	K	K91e	31240K91e	STWD	39	34	-5	7	61,162.852	4,961.277	-5	5.9
6432,362488	4058,456732		31267A00c	STWD	37	6432,362	3875,486		10	A	A00d	31267A00c	STWD	42	37	-5	-5	61,162.852	4,961.277	-5	-5.5
7039,706555	4370,751871		31267A01j	STWD	32	7039,707	4781,831		32	A	A01g	31267A01j	STWD	42	38	-4	-10	61,162.852	4,961.277	-5	-9.3
6922,790892	4311,884834		31267A01f	STWD	36	6952,23	4483,239		30	A	A01h	31267A01f	STWD	43	38	-5	-7	61,162.852	4,961.277	-5	-5.5
17924,13367	6837,491759		31275E16d	STWD	49	17924,13	5150,247		195	E	E16a	31275E16d	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
7663,625667	4527,309451		31275E16t	STWD	49	7663,626	3793,738		26	E	E16b	31275E16t	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
8556,390977	4158,325068		31283A02c	EGWD	49	8556,391	4366,711		1	A	A02c	31283A02c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7593,010251	4503,35009		31283A02t	STWD	42	7593,01	4401,849		21	A	A03c	31283A02t	STWD	45	40	-5	-3	61,162.852	4,961.277	-5	-1.7
6251,417729	2868,222676		31291M55	EGWD	49	6251,417	2647,649		5	M	M55h	31291M55	EGWD		49			61,162.852	4,961.277		
6310,915604	3984,441445		31291M55	STWD	46	6310,916	2990,94		13	M	M55h	31291M55	STWD	36	36	0	10	61,162.852	4,961.277	-1	9.7
7965,104448	3985,008267		31305A02j	EGWD	46	7965,104	4446,947		6	A	A02a	31305A02j	EGWD	49	49	0	-3	61,162.852	4,961.277	-1	-1.7
6957,682514	4295,146928		31305A02t	STWD	41	6957,683	4383,61		24	A	A02a	31305A02t	STWD	43	38	-5	-2	61,162.852	4,961.277	-5	-1.7
7401,558214	4181,460251		31313K52t	STWD	49	7401,558	3181,118		66	K	K52a	31313K52t	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6404,695779	3865,875317		31321K52t	STWD	49	6404,697	2728,847		167	K	K52b	31321K52t	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6286,011946	3805,248739		31321K52c	STWD	49	6286,012	2643,092		235	K	K52c	31321K52c	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6270,093529	3808,0679		31321K52c	STWD	49	6270,094	2640,852		127	K	K52d	31321K52c	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
4767,556192	3494,542222		31348K90c	STWD	34	4767,956	3168,197		36	K	K90d	31348K90c	STWD	33	27	-6	1	61,162.852	4,961.277	-7	2.1
7495,021962	4495,037906		31372A01f	STWD	36	7495,022	4802,891		10	A	A01f	31372A01f	STWD	44	40	-4	-8	61,162.852	4,961.277	-5	-9.3
6116,27907	4004,011956		31437A01j	STWD	33	6116,279	3808,439		1	A	A01g	31437A01j	STWD		38			61,162.852	4,961.277		
8950,558214	4253,80952		31453A06c	EGWD	45	8950,558	4897,074		2	A	A06c	31453A06c	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7372,068215	4491,421703		31453A06t	STWD	39	7372,068	4551,215		160	A	A06c	31453A06c	STWD	42	39	-3	-3	61,162.852	4,961.277	-3	-1.7
10967,2425			31453A06f	EGWD		10967,24	3435,466		2	A	A06f	31453A06f	EGWD					61,162.852			
6816,989969	4282,636822		31453A06f	STWD	35	6816,99	4424,817		24	A	A06f	31453A06f	STWD	40	37	-3	-5	61,162.852	4,961.277	-3	-5.5
7512,286369	4567,9209		31453A06g	STWD	38	7512,286	4668,729		152	A	A06g	31453A06g	STWD	43	39	-4	-5	61,162.852	4,961.277	-5	-5.5
7005,228375	4464,185583	

6700	3506,90411	[redacted]	31569K25i EGWD	43	6700	3955,586	[redacted]	1	K	K25a	31569K25i EGWD	46	48	2	-3	61,162.852	4,961.277	1	-1.7
7242,155661	4342,200567		31569K25c STWD	49	7242,156	3546,648		41	K	K25a	31569K25c STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6927,7075	3554,252251		31577K25c EGWD	44	6927,708	3840,381		6	K	K25a	31577K25c EGWD	47	49	2	3	61,162.852	4,961.277	1	1.7
7305,330391	4331,056697		31577K25c STWD	49	7305,33	3512,517		79	K	K25a	31577K25c STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
7696,391717	4457,549997		31577K25E STWD	49	7696,392	3625,95		399	K	K25b	31577K25E STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7201,770913	4256,875673		31577K25s STWD	49	7201,771	3336,314		250	K	K25c	31577K25s STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7481,04339	4384,41107		31577K25s STWD	49	7481,043	3503,474		252	K	K25d	31577K25s STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6208,158941	4208,746626		31607M56 STWD	40	6208,159	4484,332		28	M	M56c	31607M56 STWD	31	32	1	9	61,162.852	4,961.277	1	9.7
3881,620138	3338,983088		31615F78d STWD	14	3881,62	3318,785		82	F	F78d	31615F78d STWD	12	13	1	2	61,162.852	4,961.277	1	2.1
6680,746523	4036,947252		31623M27 STWD	49	6680,747	2880,898		147	M	M27a	31623M27 STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
7177,544893	4238,01073		31623M28 STWD	49	7177,545	3486,907		159	M	M28a	31623M28 STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
8448,630137			31631K24c EGWD	48	8448,63	3825,061		1	K	K24c	31631K24c EGWD					61,162.852			
7921,475903	4379,801822		31631K24c STWD	49	7921,476	3413,434		141	K	K24c	31631K24c STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
6104,545455	2989,609492		31631K24c EGWD		6104,545	3474,555		1	K	K24d	31631K24c EGWD					61,162.852	4,961.277		
7973,592814	4548,782811		31631K25c STWD	49	7973,921	4484,332		86	K	K24d	31631K25c STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
7513,485893	4385,659731		31631K25c STWD	49	7513,486	3419,286		102	K	K25d	31631K25c STWD	46	42	-4	3	61,162.852	4,961.277	-5	2.1
7936,322855	4318,733438		31658K47r STWD	49	7936,323	3126,981		78	K	K47a	31658K47r STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
8226,659281	4361,782985		31658K47f STWD	49	8226,659	3679,525		115	K	K47f	31658K47f STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
7114,058901	4138,91693		31658K47j STWD	49	7114,059	3080,761		95	K	K47j	31658K47j STWD	45	44	-1	4	61,162.852	4,961.277	-1	2.1
3155,896769	3252,825222		31682F81e STWD	6	3155,897	3202,483		268	F	F81e	31682F81e STWD	9	7	-2	-3	61,162.852	4,961.277	-3	-1.7
7651,378147	3957,855705		31690A04f EGWD	42	7651,376	4570,164		1	A	A04h	31690A04f EGWD	48	49	1	12	61,162.852	4,961.277	1	13.5
7448,528769	4346,817671		31690A04f STWD	43	7448,529	4285,275		20	A	A04h	31690A04f STWD	44	42	-2	-1	61,162.852	4,961.277	-3	-1.7
6579,439252	3165,087378		31704A04c EGWD	39	6579,439	3788,106		16	A	A04c	31704A04c EGWD	48	49	1	-9	61,162.852	4,961.277	1	-9.3
6993,542419	4464,35613		31704A04c STWD	34	6993,542	4671,242		16	A	A04c	31704A04c STWD	40	38	-2	-6	61,162.852	4,961.277	-3	-5.5
6271,80557	3910,580721		31712M28 STWD	49	6271,806	2887,579		59	M	M28a	31712M28 STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6289,191405	4024,949478		31720M28 STWD	46	6289,191	3122,448		55	M	M28a	31720M28 STWD	39	36	-3	7	61,162.852	4,961.277	-3	5.9
8244,564195	4668,817814		31747K24c STWD	49	8244,564	3937,853		242	K	K24c	31747K24c STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
6897,661488	4282,280864		31755K26c STWD	49	6892,589	3482,787		146	K	K26a	31755K26c STWD	37	38	1	12	61,162.852	4,961.277	1	13.5
6623,188406	4297,642513		31771K52j STWD	33	6623,188	4447,858		48	K	K52g	31771K52j STWD	36	35	-1	-3	61,162.852	4,961.277	-1	-1.7
4072,055585	2755,83014		31828F78E EGWD	31	4072,056	2809,651		20	F	F78b	31828F78E EGWD	29	32	3	2	61,162.852	4,961.277	3	2.1
3843,490678	3449,984277		31828F78c STWD	16	3843,491	3226,729		85	F	F78c	31828F78c STWD	13	13	0	3	61,162.852	4,961.277	-1	2.1
5074,63704	3611,365999		31836K90c STWD	31	5074,637	3336,188		21	K	K90c	31836K90c STWD	33	29	-4	-2	61,162.852	4,961.277	-5	-1.7
6185,464141	4083,136803		31844E38c STWD	39	6185,464	3147,973		194	E	E38c	31844E38c STWD	36	34	-2	13	61,162.852	4,961.277	-3	13.5
4207,454748	3524,284553		31852K90c STWD	21	4207,455	3520,055		45	K	K90c	31852K90c STWD	25	19	-6	-4	61,162.852	4,961.277	-7	-5.5
4108,591911	3343,516139		31879F76b STWD	5	4108,592	4292,787		104	F	F76b	31879F76b STWD	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
4918,365896	3951,84895		31887E37c STWD	34	4918,366	4187,698		148	E	E37c	31887E37c STWD	25	23	-2	9	61,162.852	4,961.277	-3	9.7
8114,424242			31895A07f EGWD	49	8114,424	3287,937		2	A	A07h	31895A07f EGWD	49	49	0	0	61,162.852		-1	-1.7
7959,025563	4436,764201		31895A07f STWD	49	7959,026	4062,488		39	A	A07h	31895A07f STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
6516,40364	3145,847926		31909K24c EGWD	48	6516,404	3821,211		4	K	K24e	31909K24c EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
7345,704115	4185,361835		31909K24c STWD	49	7345,704	3055,879		240	K	K24e	31909K24c STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6835,257408	4041,547526		31909K25c STWD	49	6835,257	2886,874		127	K	K25b	31909K25c STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7596,794594	4371,985993		31917A07f STWD	49	7596,795	4006,369		35	A	A07h	31917A07f STWD	46	43	-3	1	61,162.852	4,961.277	-3	2.1
5462,701169			31917A08i EGWD	37	5462,701	3355,179		3	A	A08b	31917A08i EGWD					61,162.852			
6748,296	4277,235293		31917A08i STWD	40	6748,296	4018,035		366	A	A08b	31917A08i STWD	39	37	-2	1	61,162.852	4,961.277	-3	2.1
6951,388104	4302,926673		31917A08e STWD	35	6951,388	4540,16		52	A	A08e	31917A08e STWD	40	38	-2	-5	61,162.852	4,961.277	-3	-5.5
6377,940129	4108,721037		31917A09f STWD	35	6377,94	4293,772		24	A	A09h	31917A09f STWD	39	35	-4	-4	61,162.852	4,961.277	-5	-5.5
6125,865633	3953,628051		31917A09i STWD	37	6125,866	3613,869		11	A	A09i	31917A09i STWD	40	36	-4	-3	61,162.852	4,961.277	-5	-1.7
6887,592991	4150,698586		31925K44c STWD	49	6887,593	3287,031		139	K	K44c	31925K44c STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
7034,037703	4289,387137		31925K44c STWD	49	7034,038	3426,818		175	K	K44d	31925K44c STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
5509,94084	3806,117625		31933N65i EGWD	33	5509,941	3690,24		24	N	N65h	31933N65i EGWD	27	31	4	6	61,162.852	4,961.277	3	5.9
4142,702703	3692,710627		31968N69i STWD	5	4142,703	4142,576		25	N	N69i	31968N69i STWD	8	11	3	-3	61,162.852	4,961.277	3	-1.7
8986,032389			31976K46c EGWD		8986,032	2776,181		2	K	K46c	31976K46c EGWD					61,162.852			
8127,480319	4258,694752		31976K46c STWD	49	8127,48	2859,933		118	K	K46c	31976K46c STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
7227,199598	3841,704911		31984E21E EGWD	49	7221,2	3232,254		2	E	E21b	31984E21E EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8141,503852	4628,779819		31984E21E STWD	49	8141,503	3365,208		22	E	E21b	31984E21E STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
8001,932312	4334,060017		31992E21E STWD	49	8001,932	3193,865		78	E	E21b	31992E21E STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
3830,068603	3230,969603		32018N72c STWD	43	3830,069	2183,235		2	N	N72a	32018N72c STWD					61,162.852	4,961.277		
7380,53531	4350,034441		32026E14f STWD	49	7380,535	3541,479		24	E	E14f	32026E14f STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
5096,385542	3609,523263		32042E36i STWD		5096,386	2559,06		1	E	E36b	32042E36i STWD					61,162.852	4,961.277		
6599,291904	4202,213696		32050M30 STWD	48	6626,196	3384,158		58	M	M30a	32050M30 STWD	37	36	-1	11	61,162.852	4,961.277	-1	9.7
11300,98542	4574,270954		32060K47h EGWD	49	11300,99	4194,013		4	K	K47h	32060K47h EGWD					61,162.852	4,961.277		
6966,780248	4273,331934		32077A03f STWD	40	6966,78	3817,936		9	A	A03f	32077A03f STWD	43	40	-3	-3	61,162.852	4,961.277	-3	-1.7
5951,323223	3876,180845		32085N62i EGWD	40	5951,323	3590,732		19	N	N62b	32085N62i EGWD	33	35	2	7	61,162.852	4,961.277	1	5.9
7842,349611	3742,539922		32093N64i EGWD	49	7842,35	3148,477		10	N	N64c	32093N64i EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
6864,812605	4001,668515		32115K52s STWD	49	6864,813	2822,363		45	K	K52a	32115K52s STWD	43	42	-1	6	61,162.852	4,961.277	-1	5.9
6492,730073	3947,006928		32115K52t STWD	49	6492,73	2868,086		87	K	K52b	32115K52t STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
7266,666667	5027,573306		32123N73s EGWD	49	7266,667	3931,679		3	N	N73a	32123N73s EGWD	44	47	3	5	61,162.852	4,961.277	3	5.9
9190,699251	3495,883104		32123N73t EGWD	45	9190,699	3498,607		101	N	N73b	32123N73t EGWD	38	44	6	7	61,162.852	4,961.277	7	5.9
4954,761905	3846,586447		32123N73t STWD		4954,762	3005,087		3	N	N73b	32123N73t STWD					61,162.852	4,961.277		
4508,297003	2509,308854		32131N70t EGWD	49	4508,297	2218,634		34	N	N70b	32131N70t EGWD	41	44	3	8	61,162.852	4,961.277	3	9.7
4580,246914	3505,995316		32131N70t STWD	26	4580,247	2783,139		1	N	N70b	32131N70t STWD	18	19	1	8	61,162.852	4,961.277	1	9.7
6976,654037	3921,581937		32158N62t EGWD	44	6976,654	3751,693		26	N	N62b	32158N62t EGWD	39	42	3	5	61,162.852	4,961.277	3	5.9
6090,604027			32166A05f EGWD		6090,604	3554,246		2	A	A05f	32166A05f EGWD					61,162.852			
5385,18672	3536,102294		32174N63s EGWD	40	5385,187	3357,075		18	N	N63a	32174N63s EGWD	33	36	3	7	61,162.852	4,961.277	3	5.9
5844,269397	4158,567616		32182K90c STWD	25	5844,269	4465,545		110	K	K90a	32182K90c STWD	30	28	-2	-5	61,162.852	4,961.277	-3	-5.5
6785,898603	3373,920307		32190E18i EGWD	49	6785,899	3427,461		7	E	E18a	32190E18i EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7756,664995	4492,076667		32190E18i STWD	48	7756,665	4151,502		77	E	E18a	32190E18i STWD	43	41	-2	5	61,162.852	4,961.277	-3	5.9
7337,503962	4365,207304		32204K45d STWD	47	7426,625	3936,068		18	K	K45a	32204K45d STWD	45	41	-4	2	61,162.852	4,961.277	-5	2.1
6053,892216	2764,165223		32212K45c EGWD	46	6053,892	2363,894		1	K	K45a	32212K45c EGWD	47	48	1	-1	61,162.852	4,961.277	1	-1.7
8695,572416	3990,533146		32212K45c STWD	49	8695,572	2934,512		27	K	K45a	32212K45c STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
7486,096715	4381,599027		32220K45i STWD	49	7486,097	3172,964		82	K	K45a	32220K45i STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7080,337092	4291,644758		32220K45t STWD	49	7090,337	3363,32		46	K	K45b	32220K45t STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
6791,006608	4182,30274		32239K53a STWD	49	6791,007	3450,929		69	K	K53a	32239K53a STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6082,306635	4414,369872		32247F87f STWD	35	6082,307	3929,814		373	F	F87f	32247F87f STWD	24	27	3	11	61,162.852	4,961.277	3	9.7
7594,490186	3816,995279		32271A04c EGWD	39	7594,49	4464,849		3	A	A04c	32271A04c EGWD	48	49	1	-9	61,162.852	4,961.277	1	-9.3
7170,783279	4472,864663		32271A04c STWD	34	7170,783	4759,871		27	A	A04c	32271A04c STWD	39	38	-1	-5	61,162.852	4,961.277	-1	-5.5
6525,037609	3781,810791		32298A04E EGWD	36	6525,038	4259,014		3	A	A04b	32298A04E EGWD	45	46	1	-9	61,162.852	4,961.277	1	-9.3
7425,692481	4478,795544		32298A04t STWD	41	7425,692	4400,922		32	A	A04b	32298A04t STWD	42	40	-2	-1	61,162.852	4,961.277	-3	-1.7
4218,398752	2568,388774		32301N70i EGWD	44	4218,399	2357,132		20	N	N70a	32301N70i EGWD	37	39	2	7	61,162.852	4,961.277	1	5.9
5533,333333			32336N63i EGWD	40	5533,333			2	N	N63a	32336N63i EGWD	34	36	2	6	61,162.852		1	5.9
6498,613751	3897,319815		32360M27 STWD	49	6498,614	2640,167		40	M	M27b	32360M27 STWD	45	40	-5	4	61,162.852	4,961.277	-5	2.1
6751,503918	4128,029107		32379M27 STWD	49	6751,504	3172,721		87	M	M27b	32379M27 STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
8299,465241	3225,373891		32409E21E EGWD	49	8299,465	2734,45		1	E	E21b	32409E21E EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8245,861068	4337,619788		32409E21E STWD	49	8245,861	3501,721		34	E	E21b	32409E21E STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1
4231,314486	3767,562425		32441N68i STWD	6	4231,314	4239,476		185	N	N68c	32441N68i STWD	11	11	0	-5	61,162.852	4,961.277	-1	-5.5
4728,809063	2672,474935		32476F77f EGWD	38	4728,809	2437,445		26	F	F77f	32476F77f EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
3962,121212	3243,682453		32476F77f STWD	16	3962,121	2208,33		1	F	F77f	32476F77f STWD	14	13	-1	2	61,162.852	4,961.277	-1	2.1
3903,658537	2836,509091		32484N65c EGWD	25	3903,659	2910,138		10	N	N65a	32484N65c EGWD	19	27	8	6	61,162.852	4,961.277	7	5.9
5867,858455	3078,27164		32506N62t EGWD	42	5867,858	2822,467		17	N	N62b	32506N62t EGWD	36	39	3	6	61,162.852	4,961.277	3	5.9
5954,066804	4329,154857		32514M57 STWD	41	5954,067	3477,503		50	M	M57a	32514M57 STWD	28	27	-1	13	61,162.852	4,961.277	-1	13.5
9930,77913	3645,582162		32522K49i EGWD	49	9930,779	2463,726		28	K	K49a	32522K49i EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7311,43719	4103,849641		32522K49s STWD	49	7311,437	2632,727		12	K	K49a	32522K49s STWD	48	46	-2	1	61,162.852	4,961.277	-3	2.1
9916,678023	3548,830498		32522K49t EGWD	49	9916,978	2437,23		14	K	K49b	32522K49t EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7563,385737	4191,764437		32522K49t STWD	49	7563,386	2786,708		19	K	K49b	32522K49t STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
3862,244133	2689,594903		32549N65c EGWD	29	3862,244	2673,987		53	N	N65a	32549N65c EGWD	26	29	3	3	61,162.852	4,961.277	3	2.1
4530,883312	2980,129878		32557F76d EGWD	34	4530,883	2959,405		17	F	F76a	32557F76d EGWD	32	34	2	2	61,162.852	4,961.277	1	2.1
6094,588158	4008,68524		32559M32 STWD	45	6094,588	3278,288		86	M	M32b	32559M32 STWD	36	34	-2	9	61,162.852	4,961.277	-3	9.7
4588,235294	2681,617836		32573F77f EGWD	38	4588,235	2464,726		5	F	F77f	32573F77f STWD	34	38	4	4	61,162.852	4,961.277	3	2.1
3659,03533	3400,308386		32573F77f STWD	11	3659,035	3418,795		59	F	F77f	32573F77f STWD	11	8	-3	0	61,162.852	4,961.277	-3	-1.7
6365,406259	4262,468235		32581M55 STWD	46	6365,406	4645,413		42	M	M55d	32581M55 STWD	34	33	-1	12	61,162.852	4,961.277	-1	13.5
7842,709462	4458,941935		32603K25s STWD	49	7842,709	3616,568		15	K	K25a	32603K25s STWD	46	42	-4	3	61,162.852	4,961.277	-5	2.1
1990,384615			32638B10c EGWD		1990,385			8	B	B10d	32638B10c EGWD					61,162.852			
6436,761525	4211,267214		32646E41t STWD	49	6436,762	3253,18		45	E	E41b	32646E41t STWD	36	35	-1	13	61,162.852	4,961.277	-1	13.5
5168,598135	3713,095966		32654M31 STWD	33	5168,998	3390,832		84	M	M31c	32654M31 STWD	30	27	-3	1	61,162.852	4,961.277	-3	2.1
3838,18743	3749,322598		32662F76a STWD	6	3838,187	4203,348		32	F	F76a	32662F76a STWD	6	5	-1	0	61,162.852	4,961.277	-1	-1.7
4877,683228	3681,030768		32670K90c STWD	26	4877,683	3471,246		45	K	K90c	32670K90c STWD	31	26	-5	-5	61,162.852	4,961.277	-5	-5.5
4945,076923	2929,798317		32697N61i EGWD	46	4945,077	2900,105		2	N	N61b	32697N61i EGWD	40	43	3	6	61,162.852	4,961.277	3	5.9
4545,412261	3574,316615		32697N61t STWD	35	4545,412	2746,144		16	N	N61b	32697N61t STWD	27	22	-5	8	61,162.852	4,961.277	-5	9.7
6252,03252	2923,260219		32700M57 EGWD	49	6252,033	2303,89		1	M	M57a	32700M57 EGWD	44	47	3	5	61,162.852	4,961.277	3	5.9
5782,731405	4116,677051		32700M57 STWD	43	5782,731	3285,385		34	M	M57a	32700M57 STWD	29	29	0	14	61,162.852	4,961.277	-1	13.5
7007,25211	3415,833177		32727M55 EGWD	49	7007,252	3323,79		2	M	M55d	32727M55 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6713,672292	4026,671236		32727M55 STWD	49	6713,672	3150,538		63	M	M55d	32727M55 STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
7694,053096	4578,346038		32751K48c STWD	49	7694,053	3889,044		48	K	K48c	32751K48c STWD	45	40	-5	4	61,162.852	4,961.277	-5	2.1
4203,377945	3167,742391		32778N65s EGWD	29	4203,378	3168,403		29	N	N65c	32778N65s EGWD	25	28	3	4	61,162.852	4,961.277	3	2.1
6015,782727	3133,849238		32786A01i EGWD	24	5570,47	4226,449		1	A	A01b	32786A01i EGWD	38	43	5	-14	61,162.852	4,961.277	5	-13.1
8322,707987	4828,693232		32786A01i STWD	34	8322,708	5495,711		26	A	A01b	32786A01i STWD	45	41	-4	-11	61,162.852	4,961.277	-5	-9.3
6938,283707	3534,475141		32786A01r EGWD	35	7338,684	4319,684		8	A	A01d	32786A01r EGWD	48	49	1	-13	61,162.852	4,961.277	1	-13.1
7680,519849	4461,736756		32786A01r STWD	38	7688,915	4672,203		143	A	A01d	32786A01r STWD	45	41	-4	-7	61,162.852	4,961.277	-5	-5.5
7727,627355	3815,197126		32786A01f EGWD	39	7727,627	4661,104		5	A	A01f	32786A01f EGWD	49	49	0	-10	61,162.852	4,961.277	-1	-9.3
7794,361533	4511,770862		32786A01f STWD	37	7825,795	4915,605		94	A	A01f	32786A01f STWD	45	41	-4	-8	61,162.852	4,961.277	-5	-9.3
6851,26367	4269,749491		32786A01t STWD	43	6902,98	3924,174		36	A	A01h	32786A01t STWD	46	42	-4	-3	61,162.852	4,961.277	-5	-1.7
8181,558673	3789,795463		32786A02i EGWD	49	8181,559	3838,237		8	A	A02a	32786A02i EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7777,568709	4479,165527		32786A02r STWD	46	7777,569	4226,672		135	A	A02a	32786A02r STWD	48	43	-5	-2	61,162.852	4,961.277	-5	-1.7
8279,330494	3557,605644		32786A02t EGWD	49	8279,33	3832,638		3	A	A02b	32786A02t EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8040,116369	4492,274748		32786A02t STWD	49	8040,116	3919,427		132	A	A02b	32786A02t STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
7943,508905	3887,297342		32786A02c EGWD	49	7943,909	3930,589		9	A	A02c	32786A02c EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7780,056906	4452,783918		32786A02c STWD	46	7780,057	4135,975		116	A	A02c	32786A02c STWD	48	43	-5	-2	61,162.852	4,961.277	-5	-1.7
8621,137762	4664,684732		32786A02r STWD	48	8621,138	4719,876		15	A	A02d	32786A02r STWD	49	44	-5	-1	61,162.852	4,961.277	-5	-1.7
7713,894752	4712,23263		32786A03f STWD	35	7713,365	5150,891		53	A	A03f	32786A03f STWD	45	40	-5	-10	61,162.852	4,961.277	-5	-9.3
8650,570439	3722,057135		32786A03g EGWD	49	8650,97	3963,139		2	A	A03g	32786A03g EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7501,90734	4296,237066		32786A03i STWD	49	7501,907	3676,053		21	A	A03g	32786A03i STWD	48	41	-7	1	61,162.852	4,961.277	-7	2.1
8638,209492	4413,364186		32786A05i STWD	40	8638,209	4508,309		19	A	A05b	32786A05i STWD	44	41	-3	-4	61,162.852	4,961.277	-3	-5.5
3832,97519	3454,313837		32794E39c STWD	23	3832,975	3579,683		47	E	E39d	32794E39c STWD	21	20	-1	2	61,162.852	4,961.277	-1	2.1
7056,289862	4024,272555		32832K52s STWD	49	7056,29	2878,582		44	K	K52a	32832K52s STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
5583,276484	3880,173638		32840K90c STWD	31	5583,276	3866,974		66	K	K90a	32840K90c STWD	33	31	-2	-2	61,162.852	4,961.277	-3	-1.7
7955,488592	3611,893883		32859E75a EGWD	49	7955,489	3763,588		46	E	E75a	32859E75a EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4145,114269	3711,880451		32867F77a STWD	7	4145,114	4201,999

6976,51435	4188,010575	[redacted]	32980K44c	STWD	49	6976,514	3492,04	[redacted]	121	K	K44d	32980K44c	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6821,253623	3007,74089		32980K44e	EGWD	49	6821,254	2537,171		10	K	K44e	32980K44e	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7325,626152	4323,356926		32980K44c	STWD	48	7325,626	3815,46		151	K	K44c	32980K44c	STWD	42	41	1	6	61,162.852	4,961.277	1	5.9
4117,192356	3850,779003		32999F76a	STWD	6	4117,192	4321,322		24	F	F76a	32999F76a	STWD	7	8	1	-1	61,162.852	4,961.277	1	-1.7
3993,57027	3382,40354		32999F77f	STWD	23	3989,324	2844,338		30	F	F77b	32999F77f	STWD	16	17	1	7	61,162.852	4,961.277	1	5.9
3772,968358	3313,592174		32999F77c	STWD	16	3772,968	3172,145		28	F	F77d	32999F77c	STWD	10	12	2	6	61,162.852	4,961.277	1	5.9
6558,254717	3274,728489		33022F88a	EGWD		6558,255	3950,459		2	F	F88a	33022F88a	EGWD					61,162.852	4,961.277		
5156,862745	3545,200388		33022F88a	STWD	27	5156,863	3708,541		1	F	F88a	33022F88a	STWD		22			61,162.852	4,961.277		
59495,19573	3364,377005		33022F88d	EGWD	35	59495,2	3545,326		61	F	F88d	33022F88d	EGWD	36	41	5	-1	61,162.852	4,961.277	5	-1.7
4727,304753	3251,852809		33022F88j	EGWD	25	4737,305	3431,254		82	F	F88j	33022F88j	EGWD	27	28	1	-2	61,162.852	4,961.277	1	-1.7
5802,246604	3794,947042		33022F88j	STWD	26	5802,247	3169,958		2	F	F88j	33022F88j	STWD	17	17	0	9	61,162.852	4,961.277	-1	9.7
4366,852835	2978,619855		33030T98a	EGWD	25	4366,853	3093,402		3	T	T98a	33030T98a	EGWD	24	27	3	1	61,162.852	4,961.277	3	2.1
7453,19164	4355,733117		33057K45c	STWD	49	7460,918	3503,305		209	K	K45a	33057K45c	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
6671,586503	4169,13147		33073K26d	STWD	49	6671,587	3300,039		30	K	K26a	33073K26d	STWD	38	37	-1	11	61,162.852	4,961.277	-1	9.7
5856,921798	4242,831146		33081K26d	STWD	49	5856,863	2708,541		46	K	K26a	33081K26d	STWD	35	38	2	14	61,162.852	4,961.277	3	13.5
6697,498893	4172,855582		33111M30	STWD	49	6697,499	3393,888		64	M	M30b	33111M30	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
4583,368511	2775,416363		33138N60c	EGWD	38	4583,369	2760,825		14	N	N60c	33138N60c	EGWD	33	35	2	5	61,162.852	4,961.277	1	5.9
4389,618109	3572,148948		33138N60d	STWD	32	4389,618	2893,484		26	N	N60c	33138N60c	STWD	19	20	1	13	61,162.852	4,961.277	1	13.5
6981,020525	4397,899686		33138N60d	STWD	39	6981,07	4149,345		90	A	A04e	33138N60d	STWD	41	37	-4	-2	61,162.852	4,961.277	-5	-1.7
4813,467968	3238,547404		33200F77f	EGWD	33	4813,468	3017,9		3	F	F77f	33200F77f	EGWD	29	33	4	4	61,162.852	4,961.277	1	2.1
4329,83714	3382,242217		33200F77f	STWD	21	4329,837	2511,214		5	F	F77f	33200F77f	STWD	14	18	4	7	61,162.852	4,961.277	3	5.9
5635,892988	4008,804423		33219M32	STWD	32	5635,893	3911,309		127	M	M32a	33219M32	STWD	32	28	-4	0	61,162.852	4,961.277	-5	-1.7
6763,804925	4252,184806		33227M31	STWD	47	6763,805	3577,559		96	M	M31a	33227M31	STWD	38	37	-1	9	61,162.852	4,961.277	-1	9.7
5237,376952	2727,092733		33243K90c	EGWD	49	5237,377	2405,178		86	K	K90d	33243K90c	EGWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
6571,650187	4297,213103		33251E37f	STWD	49	6571,65	3422,01		166	E	E37f	33251E37f	STWD	37	34	-3	12	61,162.852	4,961.277	-3	13.5
5767,718258	3922,795776		33294M32	STWD	44	5767,718	3240,013		46	M	M32b	33294M32	STWD	34	31	-3	10	61,162.852	4,961.277	-3	9.7
5170,52399	3674,280891		33324K90c	STWD	31	5170,524	3470,687		30	K	K90c	33324K90c	STWD	31	29	-2	0	61,162.852	4,961.277	-3	-1.7
10530,4625			33340K46c	EGWD		10530,46	3641,831		6	K	K46c	33340K46c	STWD					61,162.852			
8166,344723	4282,130325		33340K46c	STWD	49	8166,345	3614,055		46	K	K46c	33340K46c	STWD					61,162.852	4,961.277		
5205,296223	3767,27247		33359E37c	STWD	44	5205,296	2870,061		60	E	E37c	33359E37c	STWD	31	28	-3	13	61,162.852	4,961.277	-3	13.5
5999,057874	3915,998376		33367E13e	STWD	43	5999,058	3380,918		32	E	E13e	33367E13e	STWD	39	34	-5	4	61,162.852	4,961.277	-5	2.1
6303,922992	3996,308505		33367E13f	STWD	49	6303,923	3136,51		60	E	E13f	33367E13f	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
7731,658578	3982,604049		33367E13f	EGWD		7731,659	4245,08		2	E	E13h	33367E13f	EGWD					61,162.852	4,961.277		
6920,634921	3909,75694		33367E13f	STWD		6920,635	2887,663		1	E	E13h	33367E13f	STWD					61,162.852	4,961.277		
6902,774888	3502,127567		33367E36a	EGWD	49	6961,84	3093,436		24	F	E36a	33367E36a	EGWD	48	49	1	1	61,162.852	4,961.277	1	2.1
6052,794126	3756,497187		33375E13c	STWD	40	6052,794	2710,052		4	E	E13d	33375E13c	STWD	36	33	-3	4	61,162.852	4,961.277	-3	2.1
6434,164875	3938,551581		33375E13e	STWD	49	6434,165	3051,452		15	E	E13e	33375E13e	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
5909,497643	4161,874509		33383E13c	STWD	30	5909,498	3920,985		33	E	E13b	33383E13c	STWD	32	26	-6	-2	61,162.852	4,961.277	-7	-1.7
6129,34191	4162,999521		33383E13c	STWD	42	6129,342	3538,329		123	E	E13c	33383E13c	STWD	35	32	-3	7	61,162.852	4,961.277	-3	5.9
6157,49385	3999,693322		33383E13c	STWD	45	6157,494	3274,974		162	E	E13d	33383E13c	STWD	37	34	-3	8	61,162.852	4,961.277	-3	9.7
6638,750967	4203,671875		33383E13e	STWD	47	6638,751	3516,766		51	E	E13e	33383E13e	STWD	39	36	-3	8	61,162.852	4,961.277	-3	9.7
7158,333333	4440,168598		33405A01c	STWD	33	7158,333	5078,816		2	A	A01g	33405A01c	STWD		38			61,162.852	4,961.277		
7607,669938	4822,840271		33421M58	STWD	49	7607,67	3765,874		376	M	M58g	33421M58	STWD	37	37	0	12	61,162.852	4,961.277	-1	13.5
3427,412002	3133,256264		33448N68I	STWD	12	3427,412	3019,135		52	N	N68f	33448N68I	STWD	9	9	0	3	61,162.852	4,961.277	-1	2.1
6456,358743	4234,839299		33456M28	STWD	37	6456,359	4481,554		41	M	M28d	33456M28	STWD	34	34	0	3	61,162.852	4,961.277	-1	2.1
7424,980417	4284,043947		33480K48c	STWD	49	7424,98	3422,296		32	K	K48b	33480K48c	STWD	46	42	-4	3	61,162.852	4,961.277	-5	2.1
4172,884506	3702,315161		33499N68I	STWD	5	4172,885	4165,311		27	N	N68l	33499N68I	STWD	9	11	2	-4	61,162.852	4,961.277	1	-5.5
3865,921788	2297,043682		33502N61d	EGWD	46	3865,922	2168,83		1	N	N61b	33502N61d	STWD	40	43	3	6	61,162.852	4,961.277	3	5.9
4669,461004	3612,866201		33502N61f	STWD	35	4669,461	2831,795		17	N	N61b	33502N61f	STWD	26	22	-4	9	61,162.852	4,961.277	-5	9.7
5573,930409	3856,111116		33510N65i	EGWD	32	5573,939	3785,602		7	N	N65b	33510N65i	EGWD	28	31	3	4	61,162.852	4,961.277	3	2.1
8999,325768	4112,466952		33529A07c	EGWD	49	8999,326	4448,041		6	A	A07c	33529A07c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8097,61028	4733,771936		33529A07c	STWD	39	8097,61	5010,412		30	A	A07c	33529A07c	STWD	45	41	-4	-6	61,162.852	4,961.277	-5	-5.5
13148,14815	5413,453389		33529A07e	EGWD	49	13148,15	5624,11		1	A	A07e	33529A07e	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7767,28099	4525,251886		33529A07f	STWD	41	7767,381	4626,264		15	A	A07e	33529A07f	STWD	46	42	-4	-5	61,162.852	4,961.277	-5	-5.5
6912,160691	4422,987703		33561N72i	STWD	46	6912,161	3759,024		121	N	N72a	33561N72i	STWD					61,162.852	4,961.277		
7180,616611	4017,3519		33588K44c	EGWD	49	7180,617	3613,589		9	K	K44d	33588K44c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7000	4001,683911		33596A00e	EGWD	36	7000	4759,742		1	A	A00e	33596A00e	EGWD	44	46	2	-8	61,162.852	4,961.277	1	-9.3
7476,113588	4458,800334		33596A00e	STWD	29	7476,114	5483,742		19	A	A00e	33596A00e	STWD	40	36	-4	-11	61,162.852	4,961.277	-5	-9.3
3207,68484	3060,432293		33618N68I	STWD	8	3207,685	2979,517		80	N	N66f	33618N68I	STWD	7	7	0	1	61,162.852	4,961.277	-1	2.1
6229,6875			33626A08i	EGWD	37	6229,688	3393,051		2	A	A08b	33626A08i	EGWD					61,162.852			
7577,954364	4413,923865		33626A08i	STWD	43	7577,954	4181,445		64	A	A08b	33626A08i	STWD	43	41	-2	0	61,162.852	4,961.277	-3	-1.7
7422,096455	4464,350773		33901K48c	STWD	49	7422,096	3728,645		131	K	K48c	33901K48c	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
5049,315751	3717,792314		33928N61i	STWD	37	5075,159	3206,267		78	N	N61b	33928N61i	STWD	27	22	-5	10	61,162.852	4,961.277	-5	9.7
7443,61603	4452,171986		33936A01f	STWD	36	7443,616	4718,689		2	A	A01f	33936A01f	STWD	43	39	-4	-7	61,162.852	4,961.277	-5	-5.5
6837,462293	4273,485594		33936A01g	STWD	33	7220,777	4234,68		2	A	A01g	33936A01g	STWD		38			61,162.852	4,961.277		
6794,796835	4094,985588		33936A01i	STWD	38	6794,797	3710,99		10	A	A01h	33936A01i	STWD	43	38	-5	-5	61,162.852	4,961.277	-5	-5.5
6815,142113	4484,378188		33944A01i	STWD	31	6815,142	5200,191		61	A	A01b	33944A01i	STWD	41	37	-4	-10	61,162.852	4,961.277	-5	-9.3
5089,522264	3980,07939		33944A01i	EGWD	26	9882,724	4504,424		9	A	A01d	33944A01i	EGWD	39	41	2	-14	61,162.852	4,961.277	1	-13.1
6904,220344	4406,386575		33944A01c	STWD	30	6904,22	4802,853		163	A	A01d	33944A01c	STWD	40	35	-5	-10	61,162.852	4,961.277	-5	-9.3
6318,130755	4181,592456		33944A01f	EGWD	38	7349,739	4915,767		2	A	A01f	33944A01f	STWD	47	49	2	-9	61,162.852	4,961.277	1	-9.3
6990,990378	4434,373471		33944A01f	STWD	35	6990,99	4618,714		147	A	A01f	33944A01f	STWD	42	37	-5	-7	61,162.852	4,961.277	-5	-5.5
7382,024341	4560,091964		33960A00e	STWD	32	7382,024	5039,828		8	A	A00e	33960A00e	STWD	41	38	-3	-9	61,162.852	4,961.277	-3	-9.3
5711,386144	4086,395108		33979A00f	STWD	27	5711,386	4397,31		16	A	A00b	33979A00f	STWD	34	29	-5	-7	61,162.852	4,961.277	-5	-5.5
5816,86166	4076,661503		33987A00f	STWD	23	5816,862	2220,573		23	A	A00b	33987A00f	STWD	34	27	-7	-12	61,162.852	4,961.277	-7	-13.1
6106,028023	4027,75599		33995A04c	STWD	39	6106,028	3593,695		18	A	A04e	33995A04c	STWD	34	37	3	5	61,162.852	4,961.277	3	5.9
8604,166667			33995A04f	EGWD	42	8604,167			1	A	A04h	33995A04f	EGWD	48	49	1	-6	61,162.852	1		-5.5
6225,907913	4089,258682		33995A04f	STWD	45	6225,908	3421,429		42	A	A04h	33995A04f	STWD	37	35	-2	8	61,162.852	4,961.277	-3	9.7
6751,77305	4057,889719		34002A00c	STWD	37	6751,773	3616,568		1	A	A00d	34002A00c	STWD	43	39	-4	-6	61,162.852	4,961.277	-5	-5.5
8563,157895	4469,474264		34010A01c	EGWD	33	8563,158	4177,045		3	A	A01e	34010A01c	EGWD	42	44	2	-9	61,162.852	4,961.277	1	-9.3
6000	4183,006666		34010A01c	STWD	32	6000	3848,538		1	A	A01e	34010A01c	STWD	40	36	-4	-8	61,162.852	4,961.277	-5	-9.3
7411,76455	4012,885346		34029A01c	EGWD		7411,765	4840,296		3	A	A01c	34029A01c	EGWD	39				61,162.852	4,961.277		
7154,208619	4479,531891		34029A01c	STWD	33	7154,209	5015,744		5	A	A01c	34029A01c	STWD	39	34	-5	-6	61,162.852	4,961.277	-5	-5.5
5888,297872	3126,083686		34037A01c	EGWD		5888,298	3936,76		1	A	A01c	34037A01c	EGWD	39				61,162.852	4,961.277		
6688,949819	4193,887267		34037A01c	STWD	38	6688,95	3714,853		46	A	A01c	34037A01c	STWD	41	37	-4	-3	61,162.852	4,961.277	-5	-1.7
5417,647059	3116,803475		34045A00E	EGWD	30	5417,647	4038,723		1	A	A00b	34045A00E	EGWD	39	41	2	-9	61,162.852	4,961.277	1	-9.3
6020,291649	4147,557347		34045A00E	STWD	22	6020,292	4704,067		9	A	A00b	34045A00E	STWD	35	31	-4	-13	61,162.852	4,961.277	-5	-13.1
6905,263158	3947,107264		34053A03F	EGWD		6905,263	4262,222		1	A	A03f	34053A03F	STWD					61,162.852	4,961.277		
7034,947654	4325,36857		34053A03F	STWD	31	7034,948	4872,409		11	A	A03f	34053A03F	STWD	41	37	-4	-10	61,162.852	4,961.277	-5	-9.3
7404,857563	4638,134818		34061A01g	STWD	30	7404,858	5215,771		22	A	A01g	34061A01g	STWD	41	37	-4	-11	61,162.852	4,961.277	-5	-9.3
6296,450643	3564,488933		34088A01c	EGWD	30	6296,451	4406,651		7	A	A01e	34088A01c	EGWD	41	43	2	-11	61,162.852	4,961.277	1	-9.3
6686,819839	4293,735993		34088A01e	STWD	37	6686,82	4197,424		40	A	A01e	34088A01e	STWD	39	36	-3	-2	61,162.852	4,961.277	-3	-1.7
6604,166667	3873,422587		34096A00c	EGWD	32	6604,167	4713,697		1	A	A00a	34096A00c	EGWD	43	45	2	-11	61,162.852	4,961.277	1	-9.3
7080,385433	4183,601895		34096A00c	STWD	29	7080,385	4911,247		6	A	A00a	34096A00c	STWD	38	35	-3	-9	61,162.852	4,961.277	-3	-9.3
7087,20626	4652,625295		34118A00c	STWD	25	7087,206	5415,364		15	A	A00a	34118A00c	STWD	37	34	-3	-12	61,162.852	4,961.277	-3	-13.1
6541,848384	4004,695149		34126A00c	STWD	42	6541,848	3354,212		8	A	A00d	34126A00c	STWD	43	39	-4	-1	61,162.852	4,961.277	-5	-1.7
6664	3668,504623		34142A00c	EGWD	34	6664	4475,273		1	A	A00d	34142A00c	EGWD	44	46	2	-10	61,162.852	4,961.277	1	-9.3
7446,768611	4494,504374		34142A00c	STWD	34	7446,769	4904,201		14	A	A00d	34142A00c	STWD	42	39	-3	-8	61,162.852	4,961.277	-3	-9.3
7806,930544	4615,79964		34169K25c	STWD	49	7806,931	3667,983		7	K	K25a	34169K25c	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7114,170003	4287,043334		34177K25c	STWD	49	7114,17	3480,962		101	K	K25a	34177K25c	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7876,709987	4475,214273		34177K25d	STWD	49	7876,71	3868,854		110	K	K25b	34177K25d	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7649,620942	4366,709617		34185A04f	STWD	43	7649,621	4380,739		14	A	A04h	34185A04f	STWD	45	43	-2	-2	61,162.852	4,961.277	-3	-1.7
6162,5			34193F86c	EGWD		6162,5			1	F	F86c	34193F86c	EGWD					61,162.852			
4580,31922	3649,160068		34193F86c	STWD	25	4580,319	3405,547		180	F	F86c	34193F86c	STWD	21	20	-1	4	61,162.852	4,961.277	-1	2.1
7126,868687	3768,604936		34207A04f	EGWD	42	7126,869	4448,342		2	A	A04h	34207A04f	EGWD	48	49	1	-6	61,162.852	4,961.277	1	-5.5
7431,323008	4536,411769		34207A04f	STWD	35	7431,323	4872,564		33	A	A04h	34207A04f	STWD	42	39	-3	-7	61,162.852	4,961.277	-3	-5.5
7457,330546	4084,575676		34215E22a	STWD	49	7519,761	3379,752		45	E	E22a	34215E22a	STWD	49	44	-5	0	61,162.852	4,961.277	-5	-1.7
6114,285714			34215K24a	EGWD	46	6114,286	2116,828		1	K	K24a	34215K24a	EGWD	49	49	0	-3	61,162.852		-1	-1.7
7283,065425	4221,660684		34215K24a	STWD	49	7283,065	3064,14		79	K	K24a	34215K24a	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
7489,640074	4325,176219		34215K24c	STWD	49	7489,64	3218,987		93	K	K24b	34215K24c	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6886,694678	3268,595231		34215K24c	EGWD	48	6886,695	3837,662		3	K	K24c	34215K24c	EGWD					61,162.852	4,961.277		
7470,069801	4259,263441		34215K24c	STWD	49	7470,07	3194,647		76	K	K24c	34215K24c	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7328,825956	3950,223457		34215K24e	STWD	49	7328,826	2652,128		28	K	K24e	34215K24e	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
8745,945946	3874,22426		34215K47i	EGWD	49	8745,946	3646,954		2	K	K47b	34215K47i	EGWD					61,162.852	4,961.277		
5486,211122	4431,359919		34215K47i	STWD	49	5486,213	3128,406		6	K	K47b	34215K47i	STWD		46			61,162.852	4,961.277		
8971,329934	3398,524892		34258K48f	EGWD	49	8971,33	2503,559		12	K	K48f	34258K48f	EGWD		49			61,162.852	4,961.277		
7202,066226	4147,974927		34258K48f	STWD	49	7202,066	3246,296		171	K	K48f	34258K48f	STWD	46	42	-4	3	61,162.852	4,961.277	-5	2.1
7787,88849	4143,039957		34258K49f	STWD	49	7787,888	2783,784		162	K	K49f	34258K49f	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
12218,75			34266K48c	EGWD		12218,75	4055,585		2	K	K48d	34266K48c	EGWD					61,162.852			
7469,593077	4268,377777		34266K48c	STWD	43	7469,593	4260,411		100	K	K48d	34266K48c	STWD	47	43	-4	4	61,162.852	4,961.277	-5	-5.5
6787,657413	4048,813858		34266K48f	STWD	49	6787,657	3017,862		95	K	K48f	34266K48f	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6784,067489	4293,87676		34282K48c	STWD	48	6784,067	3527,669		50	K	K48c	34282K48c	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
6406,711051	4020,737518		34282K48f	STWD	49	6406,711	3168,192		96	K	K48f	34282K48f	STWD	41	37	-4	8	61,162.852	4,961.277	-5	9.7
11160,15678			34282K49c	EGWD	49	11160,16	3212,909		9	K	K49a	34282K49c	EGWD		49			61,162.852			
6736,590581	3977,584444		34282K49d	STWD	49	6736,591	2499,307		3	K	K49a	34282K49d	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
8991,298637	3496,520336		34282K49E	EGWD	49	8991,299	2445,235		24	K	K49b	34282K49E	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7115,026204	4009,638533		34282K49E	STWD	49	7115,026	2698,057		22	K	K49b	34282K49E	STWD	46	44	-2	3	61,162.852	4,961.277	-3	2.1
6928,661672	3973,736271		34282K49f	STWD	49	6928,662	2857,557		133	K	K49e	34282K49f	STWD	47	43	-4	2	61,162.852	4,961.277	-5	2.1
6988,41842	3955,990695		34282K49f	STWD	49	6988,418	2584,814		103	K	K49f	34282K49f	STWD	47	44	-3	2	61,162.852	4,961.277	-3	2.1
3257,126769	3080,71418		34320N66f	STWD	9	3257,127	2986,772		80	N	N66f	34320N66f	STWD	7	7	0	2	61,162.852	4,961.277	-1	2.1
7054,279017	4262,930644		34339E21a	STWD	49	7054,279	3366,199		118	E	E21a	34339E21a	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
7209,235751	4293,378947		34347L21a	STWD	49	7209,236	3567,877		172	E	E21a	34347L21a	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
4257,478632	2591,997779		34398N70i	EGWD	44	4257,479	2373,58		16	N	N70a	34398N70i	EGWD	38	39	1	6	61,162.852	4,961.277	1	5.9
4955,323027	2760,679934		34398N70f	EGWD	49	4955,323	2501,231		16	N	N70b	34398N70f	EGWD	40	44	4	9	61,162.852	4,961.277	3	9.7
4066,282165	3442,660627		34398N70f	STWD	21	4066,282	3375,481		137	N	N70b	34398N70f	STWD	17	15	-2	4	61,162.852	4,961.277	-3	2.1
5358,134921	3805,810215		34452N65i	EGWD	33	5358,135	3680,799		2	N	N65b	34452N65i	EGWD	24	32	8	9	61,162.852	4,961.277	7	9.7
6755,429579	4355,293942		34460A00c	STWD	33	6755,43	4571,008		5	A	A00d	34460A00c	STWD	40	36	-4	-7	61,162.852	4,961.277	-5	-5.5
5034,656684	3492,49971		34479N66c	EGWD	26	5034,657	4063,291		7	N	N66c	34479N66c	EGWD	30	30	0	-4	61,162.852	4,961.277	-1	-5.5
4721,190999	2904,737711		34487N67i	EGWD	39	4721,19	2801,443		25	N	N67a	34487N67i	EGWD	35	38	3	4	61,162.852	4,961.277	3	2.1
4427,944537	3611,561761		34487N67i	STWD	31	4427,945	3010,23		52	N	N67a	34487N67i	STWD	18	18	0	13	61,162.852	4,961.277	-1	13.5
6450,281999	2949,811296		34495M55i	EGWD	49	6450,282	2509,985		4	M	M55b	34495M55i	EGWD	47	49	2	2	61,162.852	4,961.277	1	2.1
6168,034135	3690,10415		34495M55	STWD	44	6168,034	3175,193		154	M	M55b	34495M55	STWD	36	36	0	8	61,162.852	4,961.277	-1	9.7
5033,5341	3759,908588		34509K91i	STWD	30	5033,534	3514,801		37	K	K91b	34509K91i	STWD	30	25	-5	0	61,162.852	4,961.277	-5	-1.7
5764,274691	4285,543318		34517N65i	EGWD	33	5764,275	4070,96		3	N	N65b	34517N65i	STWD	24	32	8	9	61,162.852	4,961.277	7	9.7
7218,356943	3263,424963		34541K52g	EGWD	49	7218,357	2772,849		32	K	K52g	34541K52g	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6623,188406	4297,642513		34541K52g	STWD	33	6623,188	4447,858		24	K	K52g	34541K52g	STWD	36	35	-1	-3	61,162.852	4,961.277	-1	-1.7
3931,897094	2808,912117		34576N65i	EGWD	27	3931,897	3012,078		25	N	N65a	34576N65i	STWD	20	29	9	7

6548,651137	4166,635787	[redacted]	34770M31	STWD	47	6548,651	3453,799	[redacted]	30	M	M31a	34770M31	STWD	38	37	-1	9	61,162.852	4,961.277	-1	9.7
6216,426152	4011,054775		34770M31	STWD	41	6216,426	3366,611		86	M	M31b	34770M31	STWD	37	34	-3	4	61,162.852	4,961.277	-3	2.1
5484,668192	3855,440754		34770M31	STWD	33	5484,668	3425,724		259	M	M31c	34770M31	STWD	32	27	5	1	61,162.852	4,961.277	5	2.1
6320,637803	4192,628911		34770M32	STWD	35	6320,638	4136,302		86	M	M32b	34770M32	STWD	34	33	-1	1	61,162.852	4,961.277	-1	2.1
6200,334873	3833,341872		34800E43a	STWD	49	6200,335	2727,897		24	E	E43a	34800E43a	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
7050,358392	4091,420392		34800E43c	STWD	49	7050,358	3096,087		75	E	E43b	34800E43c	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6461,991856	3981,318816		34800K44c	STWD	49	6461,992	2943,925		34	K	K44a	34800K44c	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
5666,13814	3902,040049		34800K44d	STWD	47	5666,138	3573,896		47	K	K44b	34800K44d	STWD	37	35	-2	10	61,162.852	4,961.277	-3	9.7
5946,055591	3833,863094		34819E43a	STWD	49	5946,056	2883,77		23	E	E43a	34819E43a	STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5
4390,65167	2581,379653		34827F86E	EGWD	47	4390,652	2309,754		8	F	F86b	34827F86E	EGWD	38	41	3	9	61,162.852	4,961.277	3	9.7
5800,680564	3693,487642		34827F86E	STWD	34	5800,681	3818,253		46	F	F86b	34827F86E	STWD		23			61,162.852	4,961.277		
6768,482397	4141,09707		34843M27	STWD	49	6768,482	3291,929		219	M	M27a	34843M27	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
7311,222798	3841,18733		34886N73I	EGWD	46	7311,223	3416,142		6	N	N73h	34886N73I	EGWD	43	45	2	3	61,162.852	4,961.277	1	2.1
5576,791809			34894N73I	EGWD	46	5576,792			1	N	N73h	34894N73I	EGWD	43	45	2	3	61,162.852		1	2.1
5685,483455	4160,48013		34924A01d	STWD	33	5685,138	4392,159		14	A	A01g	34924A01d	STWD	38	34	-4	-5	61,162.852	4,961.277	-5	-5.5
6971,160189	4190,688865		34959K26E	STWD	49	6971,16	3360,489		22	K	K26b	34959K26E	STWD	44	40	-4	-5	61,162.852	4,961.277	-5	5.9
6267,331117	4073,584382		34975E13E	STWD	32	6388,427	3267,073		22	E	E13b	34975E13E	STWD	39	35	-4	-7	61,162.852	4,961.277	-5	-5.5
5362,637363	3945,962093		34991A01E	EGWD	24	5362,637	3969,593		1	A	A01b	34991A01E	EGWD	38	43	5	-14	61,162.852	4,961.277	5	-13.1
2539,172576	4227,435326		34991A01E	STWD	26	2539,173	3388,008		7	A	A01b	34991A01E	STWD	43	37	-6	-12	61,162.852	4,961.277	-5	-13.1
4180,726911	3411,722099		35017K90c	STWD	26	4180,727	3164,532		47	K	K90c	35017K90c	STWD	26	19	-7	0	61,162.852	4,961.277	-7	-1.7
3939,219764	2795,074313		35033N65c	EGWD	27	3939,22	2863,067		15	N	N65a	35033N65c	EGWD	21	29	8	6	61,162.852	4,961.277	7	5.9
4340,000091	3809,646266		35033N65c	STWD	17	4340,009	3388,155		2	N	N65a	35033N65c	STWD		11			61,162.852	4,961.277		
6857,093157	4211,347911		35041E18E	STWD	47	6857,093	3621,585		196	E	E18b	35041E18E	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
6051,27171	4129,306811		35041E19E	STWD	31	6051,272	4453,646		41	E	E19b	35041E19E	STWD	29	30	1	2	61,162.852	4,961.277	1	2.1
7626,424996	4030,417306		35068K47d	STWD	49	7626,425	2374,438		9	K	K47a	35068K47d	STWD		46			61,162.852	4,961.277		
5438,650456	3923,10671		35078K90c	STWD	26	5438,65	4040,086		46	K	K90c	35078K90c	STWD	29	26	-3	-3	61,162.852	4,961.277	-3	-1.7
6992,358964	4095,210168		35092E17a	STWD	49	6992,359	3471,586		69	E	E17a	35092E17a	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
4734,21447	3580,413436		35106K90c	STWD	23	4734,214	3669,883		36	K	K90c	35106K90c	STWD	26	22	-4	5	61,162.852	4,961.277	-5	-1.7
7474,166993	3907,95565		35130N73I	EGWD	46	7474,167	4076,317		5	N	N73h	35130N73I	EGWD	43	45	2	3	61,162.852	4,961.277	1	2.1
5649,678217	3936,19439		35149M32	STWD	42	5649,678	3240,648		66	M	M32a	35149M32	STWD	32	30	-2	10	61,162.852	4,961.277	-3	9.7
3910,289714	2635,924721		35157F83a	EGWD	31	3910,29	2692,693		18	F	F83a	35157F83a	EGWD	30	33	3	1	61,162.852	4,961.277	3	2.1
5620,422602	3485,978228		35165N63c	EGWD	40	5620,423	3298,83		15	N	N63a	35165N63c	EGWD	34	36	2	6	61,162.852	4,961.277	1	5.9
8378,047262	4387,61691		35173E22a	STWD	49	8411,048	3142,421		30	E	E22a	35173E22a	STWD	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
5540,740741	3481,06404		35181N63c	EGWD	40	5540,741	3356,302		9	N	N63a	35181N63c	EGWD	35	36	1	5	61,162.852	4,961.277	1	5.9
5557,656375	3386,315531		35203N63c	EGWD	40	5557,656	3254,539		47	N	N63a	35203N63c	EGWD	37	36	-1	3	61,162.852	4,961.277	-1	2.1
5576,871707	3200,510639		35246F89a	EGWD	41	5576,872	3631,552		4	F	F89a	35246F89a	EGWD	33	38	5	8	61,162.852	4,961.277	5	9.7
5227,25134	3649,920172		35270F86E	STWD	33	5241,041	3461,098		89	F	F86b	35270F86E	STWD		23			61,162.852	4,961.277		
4073,044856	3845,230155		35297F76E	STWD	5	4073,045	4371,855		24	F	F76b	35297F76E	STWD	7	8	1	-2	61,162.852	4,961.277	1	-1.7
4470,510309	3037,691932		35300F89E	EGWD	31	4470,51	3077,322		46	F	F89b	35300F89E	EGWD	29	32	3	2	61,162.852	4,961.277	3	2.1
4590,163642	3802,899754		35300F89E	STWD	13	4590,164	4258,186		96	F	F89b	35300F89E	STWD	18	14	-4	-5	61,162.852	4,961.277	-5	-5.5
7246,855832	4200,256207		35319K44d	STWD	49	7246,856	3255,355		4	K	K44a	35319K44d	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
7380,064542	4379,87026		35319K44E	STWD	49	7380,965	3557,293		122	K	K44b	35319K44E	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
6733,555963	4171,267156		35319K44e	STWD	48	6733,556	3448,977		42	K	K44e	35319K44e	STWD	42	37	-5	6	61,162.852	4,961.277	-5	5.9
6189,187427	4141,6831		35327E38c	STWD	48	6189,187	3206,904		65	E	E38c	35327E38c	STWD	35	33	-2	13	61,162.852	4,961.277	-3	13.5
6397,658797	4158,861548		35335K26c	STWD	46	6397,659	3418,816		33	K	K26c	35335K26c	STWD	43	35	-8	3	61,162.852	4,961.277	-9	2.1
6362,099279	4114,723408		35343K26c	STWD	47	6362,099	3343,517		33	K	K26c	35343K26c	STWD	42	35	-7	5	61,162.852	4,961.277	-7	5.9
8170,594249	4648,264361		35351K48E	STWD	49	8170,594	3987,212		48	K	K48b	35351K48E	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
5151,661719	3194,611936		35386F77F	EGWD	30	5151,661	3467,938		37	F	F77f	35386F77F	EGWD	25	28	3	5	61,162.852	4,961.277	3	3.9
4090,901407	2824,087818		35394F77F	EGWD	29	4090,901	2916,313		20	F	F77f	35394F77F	EGWD	27	31	4	2	61,162.852	4,961.277	3	2.1
7926,564528	4583,387904		35416A03c	STWD	45	7926,565	4403,415		19	A	A03c	35416A03c	STWD	45	43	-2	0	61,162.852	4,961.277	-3	-1.7
8004,006971	4715,29942		35416A03e	STWD	40	8004,007	5005,52		7	A	A03e	35416A03e	STWD	43	41	-2	-3	61,162.852	4,961.277	-3	-1.7
4819,178966	3738,8957		35432F86E	STWD	28	4819,179	3574,62		88	F	F86b	35432F86E	STWD	25	24	-1	3	61,162.852	4,961.277	-1	2.1
7809,068133	3774,008423		35440A06d	EGWD	48	7809,068	3981,74		21	A	A06k	35440A06d	EGWD	49	49	0	-1	61,162.852	4,961.277	-1	-1.7
8052,237717	4694,91337		35440A06e	STWD	39	8052,238	4892,467		26	A	A06k	35440A06e	STWD	44	41	-2	-5	61,162.852	4,961.277	-3	-5.5
5687,566308	3837,864241		35459M32	STWD	40	5687,565	3100,832		62	M	M32b	35459M32	STWD	33	32	-1	7	61,162.852	4,961.277	-1	5.9
5730,769231	3718,572435		35467N63c	EGWD	40	5730,769	3570,086		8	N	N63a	35467N63c	EGWD	31	36	5	9	61,162.852	4,961.277	5	9.7
5998,463619	3992,192415		35475E38c	STWD	49	5998,464	2993,81		25	E	E38c	35475E38c	STWD	35	33	-2	14	61,162.852	4,961.277	-3	13.5
6839,496192	4350,594286		35483M28	STWD	47	6839,496	3592,078		205	M	M28a	35483M28	STWD	37	36	-1	10	61,162.852	4,961.277	-1	9.7
6447,508706	4049,354434		35491M31	STWD	42	6463,108	3754,258		52	M	M31a	35491M31	STWD	40	37	-3	2	61,162.852	4,961.277	-3	2.1
6869,621183	4281,869429		35505M31	STWD	47	6869,621	3527,504		15	M	M31a	35505M31	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
7458,298671	4044,89614		35513K49c	STWD	49	7458,299	3400,031		61	K	K49e	35513K49c	STWD	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
9632,206222	3642,527173		35521K49c	EGWD	49	9632,206	2400,583		7	K	K49d	35521K49c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7082,927386	4036,966399		35521K49c	STWD	49	7082,927	2571,726		65	K	K49d	35521K49c	STWD	49	45	-4	0	61,162.852	4,961.277	-5	-1.7
3235,125054	3067,999118		35556N66I	STWD	8	3235,125	2983,102		77	N	N66f	35556N66I	STWD	7	7	0	1	61,162.852	4,961.277	-1	2.1
6099,638344	3909,535104		35564E37c	STWD	49	6099,638	2847,827		34	E	E37d	35564E37c	STWD	39	36	-3	10	61,162.852	4,961.277	-3	9.7
2078,82901			35572K90c	EGWD		2078,829	3146,135		8	K	K90e	35572K90c	EGWD					61,162.852			
3357,838983	2449,857841		35602F77c	EGWD	30	3357,839	2495,981		16	F	F77c	35602F77c	EGWD	24	31	7	6	61,162.852	4,961.277	7	5.9
7360,87099	5625,870629		35610E38a	STWD	49	7360,872	3497,849		18	E	E38a	35610E38a	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7534,619082	4343,118896		35629K25E	STWD	49	7534,619	3422,704		18	K	K25b	35629K25E	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
5707,693308	2661,50047		35629K26c	EGWD		5707,692	2400,117		1	K	K26b	35629K26c	EGWD					61,162.852	4,961.277		
6920,236511	4193,889285		35629K26E	STWD	49	6920,237	3311,807		15	K	K26b	35629K26E	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
6858,257784	4145,640534		35645E18E	STWD	43	6858,258	3977,413		132	E	E18b	35645E18E	STWD	41	39	-2	2	61,162.852	4,961.277	-3	2.1
6069,764229	4125,329754		35645E19E	STWD	31	6069,764	4376,263		26	E	E19b	35645E19E	STWD	31	31	0	0	61,162.852	4,961.277	-1	-1.7
7596,517179	4339,620993		35661K25c	STWD	49	7585,517	3571,789		91	K	K25a	35661K25c	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7930,347336	4454,438349		35661K25E	STWD	49	7930,347	3727,786		54	K	K25b	35661K25E	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
6897,077898	4333,755569		35661K26d	STWD	49	6897,078	3527,713		104	K	K26a	35661K26d	STWD	40	37	-3	9	61,162.852	4,961.277	-3	9.7
7147,921418	4253,715158		35661K26E	STWD	49	7163,485	3575,061		133	K	K26b	35661K26E	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
4362,341772	3006,127185		35688N65c	EGWD	31	4362,342	3004,011		16	N	N65c	35688N65c	EGWD	29	31	2	2	61,162.852	4,961.277	1	2.1
4836,956522	3507,223375		35696M31	STWD	33	4836,957	2559,454		1	M	M31c	35696M31	STWD	30	27	-3	3	61,162.852	4,961.277	-3	2.1
4960,152754	3965,637141		35718K91c	STWD	23	4960,153	4246,161		47	K	K91c	35718K91c	STWD	27	20	-7	4	61,162.852	4,961.277	-7	-5.5
4446,766169	2541,044561		35734F78E	EGWD	38	4446,766	2826,116		10	F	F78b	35734F78E	EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
3736,842105	3217,233019		35734F78E	STWD	31	3736,842	2153,51		1	F	F78b	35734F78E	STWD	20	21	1	11	61,162.852	4,961.277	1	9.7
3250,627535	3084,762378		35750N66I	STWD	8	3250,628	3015,385		80	N	N66f	35750N66I	STWD	7	7	0	1	61,162.852	4,961.277	-1	2.1
6410,326316	3844,732071		35769A01c	EGWD	30	6410,326	4725,222		1	A	A01d	35769A01c	EGWD	43	44	1	-13	61,162.852	4,961.277	1	-13.1
6700,568182	4285,00339		35769A01c	STWD	30	6700,568	4688,946		6	A	A01d	35769A01c	STWD	41	36	-5	-11	61,162.852	4,961.277	-5	-9.3
6118,418257	3414,227653		35777N73I	EGWD	46	6118,418	3133,011		11	N	N73h	35777N73I	EGWD	43	44	1	3	61,162.852	4,961.277	1	2.1
6125	3904,214491		35807E41c	STWD	49	7208,123	2782,84		4	E	E41b	35807E41c	STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5
5772,404886	2872,644581		35815M55	EGWD	49	5772,405	2608,36		6	M	M55g	35815M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6478,580988	4045,09937		35815M55	STWD	49	6478,981	3165,273		20	M	M55g	35815M55	STWD	38	37	-1	11	61,162.852	4,961.277	-1	9.7
5335,574953	3859,788233		35823F89a	STWD	22	5335,575	4384,683		16	F	F89a	35823F89a	STWD	23	23	0	-1	61,162.852	4,961.277	-1	-1.7
6084,615385	2858,942777		35858M30	EGWD	49	6084,615	2647,944		1	M	M30a	35858M30	EGWD	45	46	1	4	61,162.852	4,961.277	1	2.1
6440,855674	4093,705566		35858M30	STWD	48	6440,856	3317,618		66	M	M30a	35858M30	STWD	37	36	-1	11	61,162.852	4,961.277	-1	9.7
5852,474239	2804,194593		35858M30	EGWD	49	6245,807	2741,992		16	M	M30b	35858M30	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6913,558148	4106,671631		35858M30	STWD	49	6913,558	3115,656		86	M	M30b	35858M30	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6764,68177	4229,702316		35874M30	STWD	49	6764,682	3443,096		262	M	M30b	35874M30	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
8317,647059	4361,012192		35882A02c	EGWD	49	8317,647	4840,296		1	A	A02c	35882A02c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
3831,22807	3592,71345		35890N70c	STWD	6	3831,228	3835,848		48	N	N70a	35890N70c	STWD	7	8	1	-1	61,162.852	4,961.277	1	-1.7
4139,704507	2601,845654		35920F78a	EGWD	38	4139,705	2586,086		9	F	F78a	35920F78a	EGWD	35	37	2	3	61,162.852	4,961.277	1	2.1
3751,825397	3343,074259		35920F78a	STWD	9	3751,825	3399,355		30	F	F78a	35920F78a	STWD	11	11	0	-2	61,162.852	4,961.277	-1	-1.7
3355,789097	2228,898138		35920F78b	EGWD	33	3355,789	2611,034		8	F	F78b	35920F78b	EGWD	29	33	4	4	61,162.852	4,961.277	3	2.1
4838,345288	3671,061652		35920F78E	STWD	30	4838,345	3338,228		49	F	F78b	35920F78E	STWD	21	24	3	9	61,162.852	4,961.277	3	9.7
6623,572143	3958,548736		35939K52c	STWD	49	6623,572	2833,32		29	K	K52d	35939K52c	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6597,069914	3993,748035		35939K54c	STWD	49	6597,07	2990,692		83	K	K54a	35939K54c	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6150	3161,602398		35939K54E	EGWD		6150	3669,403		1	K	K54b	35939K54E	EGWD					61,162.852	4,961.277		
7029,582992	4272,122387		35939K54E	STWD	49	7029,583	3509,422		34	K	K54b	35939K54E	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6042,539458	4026,088075		35955E37c	STWD	44	6042,539	3084,338		81	E	E37c	35955E37c	STWD	35	33	-2	9	61,162.852	4,961.277	-3	9.7
6147,746141	4021,620127		35963M30	EGWD	46	6147,746	3357,572		139	M	M30a	35963M30	EGWD	36	34	-2	10	61,162.852	4,961.277	-3	9.7
6790,282569	4144,036149		35963M30	STWD	45	6790,283	3678,205		110	M	M30b	35963M30	STWD	40	39	-1	5	61,162.852	4,961.277	-1	5.9
5670,756455	3968,14576		35971M57	STWD	44	5670,756	3167,237		129	M	M57a	35971M57	STWD	30	30	0	14	61,162.852	4,961.277	-1	13.5
8026,697037	4071,54814		35998A06I	EGWD	40	8026,697	4632,612		17	A	A06i	35998A06I	EGWD	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7638,622454	4488,994993		35998A06I	STWD	43	7638,622	4351,632		147	A	A06i	35998A06I	STWD	43	40	-3	0	61,162.852	4,961.277	-3	-1.7
7146,263837	4367,904196		36021K48c	STWD	49	7146,264	3582,049		88	K	K48c	36021K48c	STWD	43	39	-4	6	61,162.852	4,961.277	-5	5.9
7429,251896	4729,730039		36048A09	STWD	32	7429,252	5369,002		11	A	A09	36048A09	STWD	39	36	-3	-7	61,162.852	4,961.277	-3	-5.5
3683,408121	3675,293764		36056F81c	STWD	9	3683,408	3733,821		73	F	F81c	36056F81c	STWD	9	8	-1	0	61,162.852	4,961.277	-1	-1.7
3643,620321	3295,074903		36056F82E	STWD	14	3643,62	3319,456		56	F	F82b	36056F82E	STWD	12	11	-1	2	61,162.852	4,961.277	-1	2.1
3203,57958	3215,148843		36056F82c	STWD	5	3203,58	3253,594		96	F	F82c	36056F82c	STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
4201,396369	3696,654362		36064F89a	STWD	13	4201,396	3945,579		24	F	F89a	36064F89a	STWD	13	13	0	0	61,162.852	4,961.277	-1	-1.7
5684,932589	4050,001596		36072E38c	STWD	43	5684,932	3225,628		60	E	E38c	36072E38c	STWD	33	29	-4	10	61,162.852	4,961.277	-5	9.7
3922,28612	2835,947131		36080N65c	EGWD	26	3922,286	2896,314		18	N	N65a	36080N65c	EGWD	20	28	8	6	61,162.852	4,961.277	7	5.9
7606,735212	3285,677365		36099K52c	EGWD	49	7606,735	4240,228		10	K	K52g	36099K52c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6818,761938	4312,546075		36110N67c	EGWD	36	6818,762	4312,327		16	N	N67a	36110N67c	EGWD	35	37	2	1	61,162.852	4,961.277	1	2.1
4467,273145	3572,469646		36145F89c	STWD	27	4467,273	3296,62		28	F	F89c	36145F89c	STWD	23	22	-1	4	61,162.852	4,961.277	-1	2.1
4239,861111	3788,574846		36153F85E	STWD	9	4239,861	4209,389		36	F	F85b	36153F85E	STWD	11	10	-1	-2	61,162.852	4,961.277	-1	-1.7
6836,363636	4079,848023		36188N73c	EGWD	40	6836,364	4196,57		1	N	N73d	36188N73c	EGWD	40	43	3	0	61,162.852	4,961.277	3	-1.7
6977,575454	4127,489829		36196K52E	STWD	49	6977,575	3117,703		168	K	K52b	36196K52E	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7056,565942	4213,421613		36196K52c	STWD	49	7056,566	4759,329		75	K	K52c	36196K52c	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
6847,516624	4130,192633		36196K52e	STWD	49	6847,517	3704,221		31	K	K52d	36196K52e	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6564,346956	4047,952221		36196K54c	STWD	49	6564,347	3185,427		40	K	K54a	36196K54c	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
6911,245019	4258,542725		36196K54E	STWD	49	6911,245	3513,339		268	K	K54b	36196K54E	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6524,668542	4078,47979		36196K54c	STWD	49	6524,669	3176,608		39	K	K54c	36196K54c	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
7285,793535	4174,533639		36196K54e	STWD	49	7285,794	3734,736		36	K	K54d	36196K54e	STWD	42	39	-3	7	61,162.852	4,961.277	-3	9.7
6227,774511	3900,411322		36226K53E	STWD	49	6227,775	3084,485		107	K	K53b	36226K53E	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
5506,530666	3782,467892		36250N65d	EGWD	33	5506,531	3686,097		31	N	N65b	36250N65d	EGWD	27	31	4	6	61,162.852	4,961.277	3	5.9
5527,797862	3421,357655		36269N63c	EGWD	40	5527,798	3236,038		18	N	N63a	36269N63c	EGWD	36	36	0	4	61,162.852	4,961.277	-1	2.1
8503,578618	3965,260587		36293A07c	EGWD	49	8503,579	4252,461		23	A	A07g	36293A07c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7884,927622	4543,706772		36293A07g	STWD	46	7884,928	4290,639		253	A	A07g	36293A07g	STWD	45	42	-3	1	61,162.852	4,961.277	-3	2.1
7743,279861	4562,734656		36307A03c	STWD	43	7743,28	4503,601		110	A	A03d	36307A03c	STWD	44	41	-3	-1	61,162.852	4,961.277	-3	-1.7
7820,646136	4681,355645		36307A03c	STWD	40	7820,646	4918,847		13	A	A03e	36307A03c	STWD	43	40	-3	-3	61,162.852	4,961.277	-3	-1.7
7655,412619	4538,598284		36307A07j	STWD	40	7655,412	4699,839		44	A	A07g	36307A07j	STWD	43	40	-3	-2	61,162.852	4,961.277	-3	-1.7
7674,955575	4429,624206		36315E38a	STWD	49	7674,956	3628,147		32	E	E18a	36315E38a	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
7509,009115	4160,576185		36323K47i	STWD	49	7509,009	2834,966		64	K	K47a	36323K47i	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
7607,798736	4145,833247		36323K47i	STWD	49	7607,799	2784,496		17	K	K47b	36323K47i	STWD	48	45	-3	1	61,162.852	4,961.277	-3	2.1
8244,943037	4372,934168		36323K47c	STWD	49	8244,943	3096,63		76	K	K47c	36323K47c

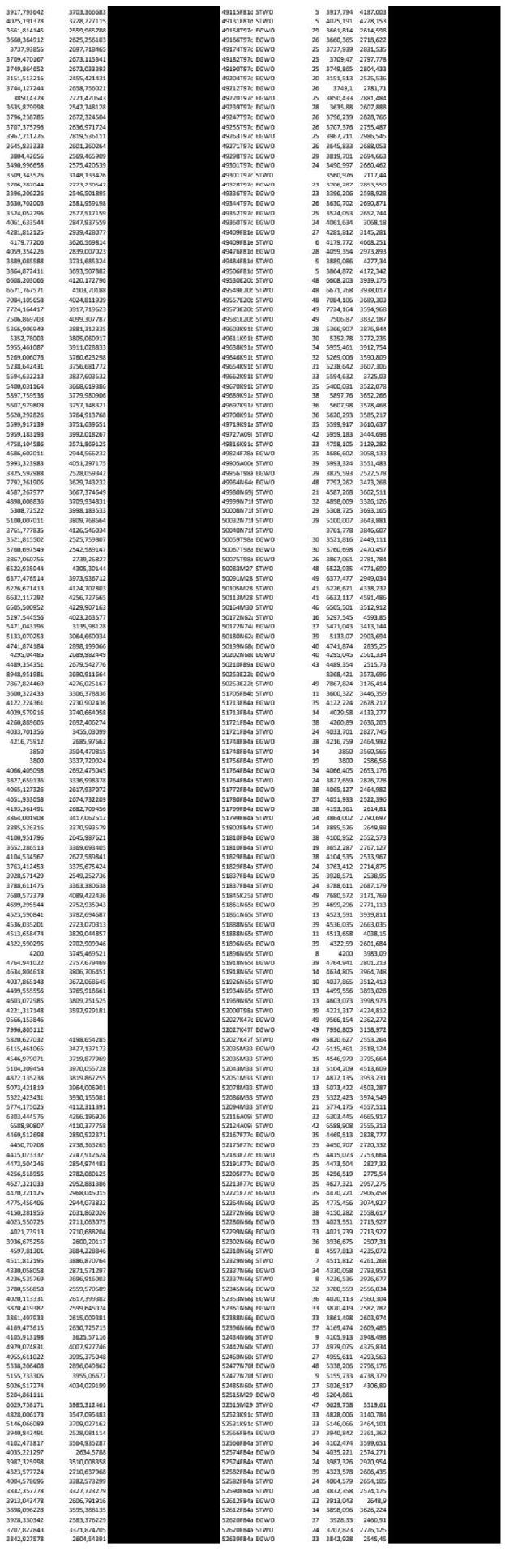
9573,562965	3797,90003	[redacted]	36420K47c EGWO	49	9573,562	3251,785	[redacted]	21	K	K47d	36420K47c EGWO						61,162.852	4,961.277						
8513,001531	4395,701626		36420K47c STWO		8513,002	2935,937		234	K	K47d	36420K47c STWO						61,162.852	4,961.277						
5451,080786	2844,805463		36439K90c EGWO	49	5451,081	2404,72		38	K	K90d	36439K90c EGWO	47	48	1	2	61,162.852	4,961.277	1	2.1				
7032,319229			36439K90l STWO	49	7032,319			4	K	K90l	36439K90l EGWO	49	48	-1	0	61,162.852		-1	-1.7				
5460,731835	4039,379282		36447E14c STWO	27	5460,732	3942,86		36	E	E14c	36447E14c STWO	27	26	-1	0	61,162.852	4,961.277	-1	-1.7				
7405,555556	4312,850927		36455K25c STWO	49	7405,556	3486,439		3	K	K25b	36455K25c STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
7030,703566	4244,115203		36455K25c STWO	49	7030,704	3330,213		21	K	K25c	36455K25c STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
6819,83924	3940,625343		36455K26c STWO	49	6819,839	3260,951		8	K	K26c	36455K26c STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
6454,835231	4185,122758		36463E14d STWO	48	6454,835	3373,775		113	E	E14d	36463E14d STWO	37	35	-2	11	61,162.852	4,961.277	-3	9.7				
7229,869186	4464,900468		36463E14e STWO	49	7229,869	3637,807		94	E	E14e	36463E14e STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
5777,777778	3773,93033		36471M55 STWO	28	5777,778	2789,058		1	M	M55i	36471M55 STWO	34	31	-3	-6	61,162.852	4,961.277	-3	-5.5				
5573,613911	3896,741935		36501N60i STWO	41	5573,614	3292,544		10	N	N60a	36501N60i STWO	31	30	-1	10	61,162.852	4,961.277	-1	9.7				
5348,741023	4229,815808		36528F86f STWO	31	5348,741	3673,98		106	F	F86f	36528F86f STWO	22	21	-1	9	61,162.852	4,961.277	-1	9.7				
7743,324392	4307,35127		36536K47c STWO	49	7743,324	2957,309		8	K	K47b	36536K47c STWO						61,162.852	4,961.277						
5687,674672	3940,625343		36552E13a STWO	41	5687,675	3960,951		23	E	E13a	36552E13a STWO	39	31	-8	2	61,162.852	4,961.277	-9	2.1				
10372,23557	3638,583922		36587K47c EGWO	49	10372,24	2388,786		9	K	K47c	36587K47c EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
8520,574682	4153,714643		36587K47c STWO		8520,575	2650,174		51	K	K47c	36587K47c STWO						61,162.852	4,961.277						
9195,526678	3706,584728		36595K47c EGWO	49	9195,527	3147,037		6	K	K47c	36595K47c EGWO		49				61,162.852	4,961.277						
8308,63213	4899,552681		36595K47c STWO		8308,632	3230,775		138	K	K47c	36595K47c STWO						61,162.852	4,961.277						
9669,779915			36595K47c EGWO	49	9669,78	3101,776		33	K	K47d	36595K47c EGWO						61,162.852							
8566,594302	4352,165876		36695K47c STWO		8566,594	3018,61		107	K	K47d	36695K47c STWO						61,162.852	4,961.277						
7405,488144	4367,965003		36609E18b STWO	49	7405,488	3509,773		10	E	E18b	36609E18b STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
6247,721521	4155,358425		36617E37f STWO	49	6247,722	3258,336		149	E	E37f	36617E37f STWO	37	34	-3	12	61,162.852	4,961.277	-3	13.5				
4006,570513	3884,167704		36625F76a STWO	6	4006,571	4468,801		120	F	F76a	36625F76a STWO	6	6	0	0	61,162.852	4,961.277	-1	-1.7				
6960,00213	4327,183127		36633E14e STWO	49	6960,002	3466,224		89	E	E14e	36633E14e STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
6599,222858	3880,608865		36633E14f STWO	49	6611,551	3374,984		62	E	E14f	36633E14f STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7				
4075,92248	3810,620236		36641F76a STWO	6	4075,922	4236,66		96	F	F76a	36641F76a STWO	8	6	-2	-2	61,162.852	4,961.277	-3	-1.7				
6696,795511	4277,361919		36668E13a STWO	47	6696,796	3150,599		60	E	E13a	36668E13a STWO	41	36	-5	6	61,162.852	4,961.277	-5	5.9				
5412,787151	3911,450528		36676K91c STWO	28	5412,787	3458,288		469	K	K91c	36676K91c STWO	29	24	-5	-1	61,162.852	4,961.277	-5	-1.7				
6385,205254	4086,252896		36684K26c STWO	48	6385,205	3291,038		107	K	K26c	36684K26c STWO	42	35	-6	6	61,162.852	4,961.277	-7	5.9				
7069,508144	4219,504072		36692K25c STWO	49	7069,508	3292,654		201	K	K25d	36692K25c STWO	44	40	-4	5	61,162.852	4,961.277	-5	5.9				
5735,572224	4070,607982		36714E14c STWO	23	5735,572	4465,989		12	E	E14c	36714E14c STWO	31	28	-3	-8	61,162.852	4,961.277	-3	-9.3				
7147,20771	4378,507826		36714E14c STWO	49	7147,208	3634,293		231	E	E14d	36714E14c STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7				
7770,570926	4568,34498		36714E14e STWO	49	7770,571	3704,297		95	E	E14e	36714E14e STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
4909,756098			36722E16b EGWO		4909,756	3042,313		1	F	F16b	36722E16b EGWO						61,162.852							
7555,304478	4600,500777		36722E16b STWO	49	7555,304	3837,718		88	E	E16b	36722E16b STWO	40	39	-1	9	61,162.852	4,961.277	-1	9.7				
4320,549815	3066,985905		36730F78b EGWO	28	4320,95	3119,682		58	F	F78b	36730F78b EGWO	24	29	5	4	61,162.852	4,961.277	5	2.1				
6237,534487	3927,588709		36749E75d STWO	49	6237,534	3077,552		37	E	E75a	36749E75d STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7				
6855,128037	4280,151716		36749E75f STWO	45	6855,128	3680,861		52	E	E75b	36749E75f STWO	40	38	-2	5	61,162.852	4,961.277	-3	5.9				
6490,94831	4207,676175		36749E75c STWO	46	6490,948	3499,974		48	E	E75c	36749E75c STWO	38	35	-3	8	61,162.852	4,961.277	-3	9.7				
5538,156896	3685,67196		36765K90c STWO	35	5538,157	3259,457		199	K	K90a	36765K90c STWO	37	32	-5	-2	61,162.852	4,961.277	-5	-1.7				
4392,758329	3457,316244		36765K91c STWO	23	4392,758	3348,71		80	K	K91c	36765K91c STWO	27	20	-7	-4	61,162.852	4,961.277	-7	-5.5				
6663,594347	4395,673936		36773E14c STWO	46	6663,594	3590,954		9	E	E14d	36773E14c STWO	37	34	-3	9	61,162.852	4,961.277	-3	9.7				
5731,08863	4131,105111		36781E14c STWO	23	5731,089	4678,735		9	E	E14c	36781E14c STWO	28	26	-2	-5	61,162.852	4,961.277	-3	-5.5				
6400	4035,369047		36781E14c STWO	49	6400	3173,153		1	E	E14d	36781E14c STWO	39	38	-1	10	61,162.852	4,961.277	-1	9.7				
6495,147262	4239,468223		36803E13a STWO	45	6495,147	3568,105		46	E	E13a	36803E13a STWO	41	34	-7	4	61,162.852	4,961.277	-7	2.1				
6208,728983	4038,770739		36846M56 STWO	40	6208,729	4161,769		33	M	M56c	36846M56 STWO	36	36	0	4	61,162.852	4,961.277	-1	2.1				
6693,09063	4295,55569		36898E42c STWO	41	6693,091	4395,886		26	E	E42d	36898E42c STWO	37	35	-2	4	61,162.852	4,961.277	-3	2.1				
11584,14443	3881,286513		36897K47i EGWO	49	11584,14	2391,61		2	K	K47a	36897K47i EGWO						61,162.852	4,961.277						
5344,262295	3416,394909		36900F77d EGWO	41	5344,262	3670,42		1	F	F77d	36900F77e EGWO	35	39	4	6	61,162.852	4,961.277	3	5.9				
3734,939759	3504,988644		36900F77e STWO	11	3734,94	3614,444		1	F	F77d	36900F77e STWO	10	11	1	1	61,162.852	4,961.277	1	2.1				
4502,719345	3775,594931		36919F89a STWO	13	4502,719	3933,073		73	F	F89a	36919F89a STWO	14	16	2	-1	61,162.852	4,961.277	1	-1.7				
6149,010226	4534,326779		36927M28 STWO	41	6149,01	3961,261		60	M	M28a	36927M28 STWO	33	32	-1	8	61,162.852	4,961.277	-1	9.7				
5957,674784	4009,302202		36935E13a STWO	46	5957,675	3252,004		42	E	E13a	36935E13a STWO	40	32	-8	6	61,162.852	4,961.277	-9	5.9				
5856,817268	3718,472999		36943K90c STWO	26	5856,817	4121,878		564	K	K90c	36943K90c STWO	30	24	-6	-4	61,162.852	4,961.277	-7	-5.5				
4887,959335	2840,905795		36943K90c EGWO	49	4887,959	2369,429		42	K	K90d	36943K90c EGWO	43	43	0	6	61,162.852	4,961.277	-1	5.9				
4472,183908	3397,207334		36943K90c STWO	35	4472,184	2709,823		20	K	K90d	36943K90c STWO	25	24	-1	10	61,162.852	4,961.277	-1	9.7				
5978,750719	3751,281626		36943K91c STWO	27	5978,751	4336,559		191	K	K91c	36943K91c STWO	29	24	-5	-2	61,162.852	4,961.277	-5	-1.7				
6295,997667	4136,338268		36951E13b STWO	28	6295,998	4521,929		95	E	E13b	36951E13b STWO	36	34	-2	-8	61,162.852	4,961.277	-3	-9.3				
6893,07275	4024,123199		36951E13c STWO	40	6893,073	3857,315		35	E	E13c	36951E13c STWO	41	38	-3	-1	61,162.852	4,961.277	-3	-1.7				
5462,430305	3934,78122		36978E13a STWO	23	5462,43	4207,081		18	F	E13a	36978E13a STWO	33	28	-5	-10	61,162.852	4,961.277	-5	-9.3				
7167,607818	4733,152288		36978E13c STWO	43	7167,608	4096,483		29	E	E13c	36978E13c STWO	37	34	-3	6	61,162.852	4,961.277	-3	5.9				
6851,934318	4152,096613		36986E16a STWO	49	6851,934	3495,784		72	E	E16a	36986E16a STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
6550	2851,531477		36994E16a EGWO		6550	2356,834		1	E	E16a	36994E16a EGWO						61,162.852	4,961.277						
6959,320074	4183,697887		36994E16a STWO	49	6959,32	3238,83		170	E	E16a	36994E16a STWO	41	38	-3	8	61,162.852	4,961.277	-3	9.7				
7249,168604	4303,888309		36994E16b STWO	49	7249,169	3471,489		329	E	E16b	36994E16b STWO	42	41	-1	7	61,162.852	4,961.277	-1	5.9				
4902,860383	3583,142273		37001F89a STWO	23	4902,86	3527,406		52	F	F89a	37001F89a STWO	23	23	0	0	61,162.852	4,961.277	-1	-1.7				
7480,810842	4083,891242		37028K25a STWO	44	7480,811	4417,184		5	K	K25a	37028K25a STWO	46	48	2	-2	61,162.852	4,961.277	1	-1.7				
7637,056261	4454,950273		37028K25d STWO	49	7637,056	3693,507		126	K	K25a	37028K25d STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9				
4760,450161			37028K25i EGWO		4760,45	3037,275		1	K	K25b	37028K25i EGWO						61,162.852							
7547,213826	4428,541904		37028K25f STWO	49	7547,214	3765,306		355	K	K25b	37028K25f STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
7500,115	4492,84074		37028K25c STWO	49	7500,115	3700,687		172	K	K25c	37028K25c STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
6317,393304	3003,347086		37028K25c STWO		6317,391	3420,124		1	K	K25d	37028K25c STWO						61,162.852	4,961.277						
7490,6165	4434,96911		37028K25c STWO	49	7490,616	3578,855		309	K	K25d	37028K25c STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
7898,001294	4641,84777		37036E14f STWO	49	7898,001	3836,808		98	E	E14f	37036E14f STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
7739,102041	3534,798627		37044E14f EGWO		7739,102	2964,247		4	E	E14f	37044E14f EGWO						61,162.852	4,961.277						
6008,800116	3679,059124		37044E14f STWO	46	5889,796	2418,72		2	E	E14f	37044E14f STWO	42	39	-3	4	61,162.852	4,961.277	-3	2.1				
7064,97593	4485,321318		37052E16d STWO	47	7064,976	3710,572		95	E	E16b	37052E16d STWO	39	36	-3	8	61,162.852	4,961.277	-3	9.7				
10842,22908	4044,392264		37052E16c STWO	40	10842,23	4616,318		130	E	E16c	37052E16c STWO	38	36	-2	2	61,162.852	4,961.277	-3	2.1				
7368,888479	4404,910646		37060E41a STWO	49	7368,888	3653,652		67	E	E43a	37060E41a STWO	42	40	-2	7	61,162.852	4,961.277	-3	5.9				
5404,327485	3617,445182		37087E15c STWO	48	5404,327	3576,857		1	E	E15c	37087E15c STWO	27	33	6	21	61,162.852	4,961.277	5	21.1				
6239,180274	3947,191912		37095E75a STWO	49	6239,18	3115,365		150	E	E75a	37095E75a STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7				
6371,938275	4036,029985		37095E75c STWO	49	6371,938	3252,332		155	E	E75c	37095E75c STWO	39	37	-2	10	61,162.852	4,961.277	-3	9.7				
6757,498268	4285,02117		37109E42c STWO	46	6757,498	3632,203		257	E	E42c	37109E42c STWO	38	36	-2	8	61,162.852	4,961.277	-3	9.7				
6731,884058	2966,22178		37109E42c EGWO		6731,884	2359,762		1	E	E42d	37109E42c EGWO						61,162.852	4,961.277						
6741,669157	4228,058128		37109E42c STWO	48	6741,669	3476,665		326	E	E42d	37109E42c STWO	39	37	-2	9	61,162.852	4,961.277	-3	9.7				
4119,202075	3422,361949		37117F81c STWO	19	4119,202	3522,908		60	F	F81c	37117F81c STWO	14	13	-1	5	61,162.852	4,961.277	-1	5.9				
5730,25592	3903,662959		37125M29 STWO	44	5730,256	3205,238		41	M	M29b	37125M29 STWO	37	31	-6	7	61,162.852	4,961.277	-7	5.9				
6666,39901	4053,889978		37133K48f STWO	49	6666,399	3178,044		61	K	K48f	37133K48f STWO	43	39	-4	6	61,162.852	4,961.277	-5	5.9				
6733,641424	4054,817004		37141K48f STWO	49	6733,641	3126,989		385	K	K48f	37141K48f STWO	44	40	-4	5	61,162.852	4,961.277	-5	5.9				
6722,582383	4160,449362		37168E43c STWO	49	6722,582	3328,491		397	E	E43b	37168E43c STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
7283,049702	4323,838611		37176K24i STWO	49	7283,05	3386,933		105	K	K24a	37176K24i STWO	43	40	-3	6	61,162.852	4,961.277	-3	5.9				
6864,300238	4151,024436		37176K24e STWO	49	6864,3	3188,081		122	K	K24e	37176K24e STWO	42	39	-3	7	61,162.852	4,961.277	-3	5.9				
6971,566989	4215,574696		37176K25a STWO	49	6971,566	3155,946		106	K	K25a	37176K25a STWO	42	39	-3	7	61,162.852	4,961.277	-3	5.9				
7210,92947	4290,580514		37176K25d STWO	49	7210,923	3339,228		85	K	K25b	37176K25d STWO	43	41	-2	6	61,162.852	4,961.277	-3	5.9				
6065,197878	3974,603653		37176K26a STWO	47	6065,198	3206,409		83	K	K26a	37176K26a STWO	37	34	-3	10	61,162.852	4,961.277	-3	9.7				
6668,331414	4112,357502		37176K26i STWO	49	6668,331	3254,596		57	K	K26b	37176K26i STWO	42	38	-4	7	61,162.852	4,961.277	-5	5.9				
5344,746377	2762,49362		37184M30 EGWO	49	5344,746	2544,055		2	M	M30a	37184M30 EGWO	45	46	1	4	61,162.852	4,961.277	1	2.1				
5402,614478	3830,678877		37184M30 STWO	43	5402,614	3087,379		10	M	M30a	37184M30 STWO	33	29	-4	10	61,162.852	4,961.277	-5	9.7				
7326,119433	3204,491174		37192K45i EGWO	49	7326,119	3577,298		10	K	K45b	37192K45i EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7248,510712	4399,768826		37192K45i STWO	49	7248,511	3559,669		116	K	K45b	37192K45i STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7				
5771,1344	3221,275115		37206A08i EGWO	37	5771,134	4098,747		2	A	A08b	37206A08i EGWO						61,162.852	4,961.277						
6862,581031	4351,343563		37206A08i STWO	40	6862,981	4139,756		71	A	A08b	37206A08i STWO	38	36	-2	2	61,162.852	4,961.277	-3	2.1				
6612,605229	4134,820114		37214M31 STWO	38	6612,605	3363,767		17	M	M31c	37214M31 STWO	35	32	-3	3	61,162.852	4,961.277	-3	2.1				
6979,552607	4262,638535		37214M32 STWO	45	6979,553	3599,33		128	M	M32b	37214M32 STWO	40	38	-2	5	61,162.852	4,961.277	-3	5.9				
7730,30303	4021,243448		37214M32 EGWO		7730,303	4710,256		2	M	M32d	37214M32 EGWO						61,162.852	4,961.277						
4110,464419	4217,449939		37222K46c STWO	49	4110,464	2647,666		37	K	K46a	37222K46c STWO						61,162.852	4,961.277						
9922,887329			37222K46i EGWO		9922,887	3156,661		5	K	K46b	37222K46i EGWO						61,162.852							
8375,194033	4362,540411		37222K46f STWO	49	8375,194	2973,219		27	K	K46b	37222K46f STWO	49	46	-3	0	61,162.852	4,961.277	-3	-1.7				
16275	6283,570267		37230K46i EGWO		16275	4490,051		1	K	K46a	37230K46i EGWO						61,162.852	4,961.277						
17586,14838	7185,756611		37230K46i STWO	49	17586,15	4217,378		180	K	K46a	37230K46i STWO	49	47	-2	0	61,162.852	4,961.277	-3	-1.7				
7823,570406	4228,928794		37230K46f STWO	49	7823,57	2801,054		275	K	K46b	37230K46f STWO	49	46	-3	0	61,162.852	4,961.277	-3	-1.7				
8385,40286	4051,534631		37230K47i EGWO	49	8385,403	3250,559		4	K	K47d	37230K47i EGWO						61,162.852	4,961.277						
8291,770511	4295,6982		37230K47i STWO	49	8291,771	3265,717		177	K	K47d	37230K47c STWO	49	48	-1	0	61,162.852	4,961.277	-1	-1.7				
7909,079729	4390,295222		37249K46i STWO	49	7909,08	2906,822		16	K	K46b	37249K46i STWO	49	46	-3	0	61,162.852	4,961.277	-3	-1.7				
7241,097015	4222,444434		37257A04f STWO	49	7241,097	3693,038		218	A	A04f	37257A04f STWO	44	41	-3	5	61,162.852	4,961.277	-3	5.9				
6645,413528	4016,472709		37257A04i STWO	45	6645,414	3085,146		102	A	A04g	37257A04i STWO	39	39	0	6	61,162.852	4,961.277	-1	5.9				
4865,780258	3782,156119		37273K90c STWO	22	4865,78	3765,911		64	K	K90c	37273K90c STWO	28	22	-6	-6	61,162.852	4,961.277	-7	-5.5				
5317,826229	3846,5978		37303K90d STWO	27	5317,826	3867,237		162	K	K90a	37303K90d STWO	31	26	-5	-4	61,162.852	4,961.277	-5	-5.5				
4435,37415			37311K44f EGWO		4435,374	3787,057		1	K	K44f	37311K44f EGWO						61,162.852							
5906,665346	2698,376064		37338M55 EGWO	49	5906,665	2374,217		6	M	M55h	37338M55 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
4705,050775	4008,960191		37338M55 STWO	46	4705,051	3245,54		20	M	M55h	37338M55 STWO	36	31	-5	10	61,162.852	4,961.277	-5	9.7				
6150,359911	3090,971638		37346E41a STWO	49	6150,36	2978,35		42	E	E41a	37346E41a STWO	39	35	-4	10	61,162.852	4,961.277	-5	9.7				
4321,611471	2526,836276		37370N60i EGWO	39	4321,611	2298,46		2	N	N60a	37370N60i EGWO	32	34	2	7	61,162.852	4,961.277	1	5.9				
5411,088939	3885,126653		37370N60i STWO	37	5411,089	3334,316		4	N	N60a	37370N60i STWO	27	27	0	10	61,162.852	4,961.277	-1	9.7				
6605,311968	4278,331562		37389E42a STWO	46	6605,312	3584,039		27	E	E42a	37389E42a STWO	37	35	-2	9	61,162.852	4,961.277	-3	9.7				
6381,490322	4138,409616		37389E42f STWO	43	6381,49	3787,57		72	E	E42b	37389E42f STWO	36	35	-1	7	61,162.852	4,961.277	-1	9.7				
6580,762561	4077,855814		37419K53i STWO	49	6580,763	3305,771		121	K	K53b	37419K53i STWO	40	38	-2	9	61,162.852	4,961.277	-3	9.7				
6970,016983	4236,878211		37419K54i STWO	49	6970,017	3429,714		113	K	K54a	37419K54i STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7				
7055,558767	4268,770288		37419K54i STWO	49	7055,559	3481,996		231	K	K54b	37419K54i STWO	41	39	-2	8	61,162.852	4,961.277	-3	9.7				
4980,504035	3857,839936		37451M33i STWO	23	4980,504	3364,127		28	M	M33h	37451M33i STWO	31	22	-9	-8	61,162.852	4,961.277	-9	-9.3				
5522,233202	3740,730525		37451M33i STWO	43	5522,233	3037,864		2	M	M33i	37451M33i STWO	34	26	-8	9	61,162.852	4,961.277	-9	9.7				
7566,344845	4365,802898		37494K45d STWO	49	7566,345	3499,395		238	K	K45a	37494K45d STWO	44	42	-2	5	61,162.852	4,961.277	-3	5.9				
7334,250867	4410,781747		37494K45f STWO	49	7334,251	3591,836		53	K	K45b	37494K45f STWO	40	40	0	9	61,162.852	4,961.277	-1	9.7				
6897,546898	3246,37495		37508M57 EGWO	49	6897,547	3308,455		3	M	M57a	37508M57 EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9				
5365,360858	3795,900632		37508M57 STWO	45	5365,361	2935,243		148	M	M57a	37508M57 STWO	28	29	1	17	61,162.852	4,961.277	1	17.3				
4745,926745	3172,189413		37516N65i EGWO	34	4745,927	3142,163		241	N	N65b	37516N65i EGWO	30	33	3	4	61,162.852	4,961.277	3	2.1				
11106,26786	3838,455457		37524K49f EGWO	49	11106,27	2594,312		13	K	K49f	37524K49f EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7				
7238,979676	4013,868767		37524K49f STWO	49	7238,98	2538,85		9	K	K49f	37524K49f STWO	49	44	-5	0	61,162.852	4,961.277	-5	-1.7				
7038,461528	4007,085094		37532E36a EGWO	49	7038,462	2424,04		1	E	E36a	37532E36a EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1				
6655	4363,925188		37532E36a STWO		6655	3386,496		2	E	E36a	37532E36a STWO	36					61,162.852	4,961.277						
6616,545894	4296,15632		37540K52g STWO	33	6616,546	4447,841		48	K	K52g	37540K52g STWO	36	35	-1	-3	61,162.852	4,961.277	-1	-1.7				
6124,950219	3924,934002		37559N62i EGWO	41	6124,95	3607,278		15	N	N62b	37559N62i EGWO	34	36	2	7	61,162.852	4,961.277	1	5.9				
7594,356965	4445,865104		37613K25i STWO	49	7594,357	3560,052		14	K	K25b	37613K25i STWO	44	41	-3	5	61,162.852	4,961.

7163,848543	4394,416156	[redacted]	37788A05c	STWD	40	7163,849	4313,436	[redacted]	24	A	A05d	37788A05c	STWD	41	38	-3	-1	61,162.852	4,961.277	-3	-1.7
8422,222222	4113,576379		37796A05c	EGWD	49	8422,222	4789,96		1	A	A05d	37796A05c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7218,640817	4213,110827		37796A05c	STWD	42	7218,641	3715,397		86	A	A05d	37796A05c	STWD	42	39	3	0	61,162.852	4,961.277	3	1.7
5386,804392	2740,717505		37818K90c	EGWD	49	5386,804	2365,289		30	K	k90d	37818K90c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
8775,925926	3802,299875		37826A07c	EGWD	49	8775,926	3989,137		3	A	A07e	37826A07c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6991,103595	4329,705546		37826A07c	STWD	42	6991,104	4125,836		26	A	A07e	37826A07c	STWD	41	39	-2	1	61,162.852	4,961.277	-3	2.1
7138,892012	4082,692943		37834A03c	STWD	49	7138,892	2904,229		14	A	A03b	37834A03c	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
10013,76471	4016,870843		37834A03c	EGWD	45	10013,76	3045,63		1	A	A03d	37834A03c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7836,563636	4500,462825		37834A03c	STWD	45	7836,564	4352,281		58	A	A03c	37834A03c	STWD	45	42	-3	0	61,162.852	4,961.277	-3	-1.7
7463,653414	4498,254297		37834A03f	STWD	37	7463,653	4675,526		6	A	A03f	37834A03f	STWD	43	40	-3	-6	61,162.852	4,961.277	-3	-5.5
6944,623232	4174,0608		37842K25c	STWD	49	6944,623	3226,574		185	K	k25d	37842K25c	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6452,043971	3477,318893		37850A05c	EGWD	36	6452,044	3900,419		7	A	A05c	37850A05c	EGWD	43	45	2	-7	61,162.852	4,961.277	1	-5.5
7514,831523	4478,388094		37850A05c	STWD	40	7514,832	4544,872		179	A	A05c	37850A05c	STWD	42	40	-2	-2	61,162.852	4,961.277	-3	-1.7
7121,212121	3496,36576		37869A06l	EGWD	43	7121,212	4083,434		1	A	A06l	37869A06l	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
7538,409434	4394,097883		37869A06l	STWD	45	7538,409	3343,61		28	A	A06l	37869A06l	STWD	42	41	-1	3	61,162.852	4,961.277	-1	2.1
7055,408464	4319,362858		37907E14f	STWD	43	7055,408	3948,232		89	E	E14f	37907E14f	STWD	42	39	-3	1	61,162.852	4,961.277	-3	2.1
4796,491228	3076,639492		37931F82a	EGWD	40	4796,491	3105,609		3	F	F82a	37931F82a	EGWD	35	38	3	5	61,162.852	4,961.277	3	5.9
4631,578947	3728,214649		37974K44f	STWD		4631,579	3378,45		1	K	K44f	37974K44f	STWD					61,162.852	4,961.277		
5464,07544	3581,795389		37982K65c	EGWD	40	5464,075	3186,734		33	N	N65a	37982K65c	EGWD	38	38	0	4	61,162.852	4,961.277	-1	2.1
7033,041727	4436,119128		38032A01f	STWD	33	7033,042	4873,945		62	A	A01h	38032A01f	STWD	41	36	-5	-8	61,162.852	4,961.277	-5	-9.3
7239,012869	4029,066504		38040K44l	STWD	49	7239,013	3509,696		159	K	K44b	38040K44l	STWD	42	40	-2	-7	61,162.852	4,961.277	-3	5.9
6594,041743	3975,006504		38059N61c	EGWD	46	6594,042	3523,891		29	N	N61c	38059N61c	EGWD	40	39	-1	6	61,162.852	4,961.277	-1	5.9
6759,375	4288,057397		38067N61c	EGWD	44	6759,375	3748,109		4	N	N61c	38067N61c	EGWD	36	36	0	8	61,162.852	4,961.277	-1	9.7
7110,04454	4317,165689		38075N61c	EGWD	45	7110,045	3787,29		18	N	N61c	38075N61c	EGWD	36	37	1	9	61,162.852	4,961.277	1	9.7
4676,761733	2575,833151		38105N68h	EGWD	46	4676,762	2487,082		10	N	N68e	38105N68h	EGWD	44	43	-1	2	61,162.852	4,961.277	-1	2.1
4590,582209	2798,293733		38105N68l	EGWD	40	4590,582	2559,396		7	N	N68f	38105N68l	EGWD	39	39	0	1	61,162.852	4,961.277	-1	2.1
6797,468354			38105N73j	EGWD		6797,468			1	N	N73j	38105N73j	EGWD					61,162.852			
7301,013972	4224,468985		38148K52c	STWD	49	7301,014	3540,544		171	K	K52a	38148K52c	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
7048,789054	3029,206701		38172M56	EGWD	49	7048,789	2673,039		14	M	M56c	38172M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6760,313806	3916,504739		38172M56	STWD	49	6760,314	2699,72		56	M	M56c	38172M56	STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
6848,724648	3958,802659		38180M56	STWD	49	6848,725	2695,439		8	M	M56c	38180M56	STWD	41	41	0	8	61,162.852	4,961.277	-1	9.7
5830,793653	2837,734178		38199M55	EGWD	49	5830,794	2499,922		19	M	M55g	38199M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6689,715523	4137,379557		38199M55	STWD	49	6689,716	3372,429		24	M	M55g	38199M55	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
5954,418097	3289,809121		38210M55	EGWD	46	5954,418	3214,901		30	M	M55g	38210M55	EGWD	42	45	3	4	61,162.852	4,961.277	3	2.1
5883,05269	3938,59713		38210M55	STWD	45	5883,053	3234,873		38	M	M55g	38210M55	STWD	37	33	-4	8	61,162.852	4,961.277	-5	9.7
6184,461143	4043,137758		38229M29	STWD	48	6184,461	3253,572		155	M	M29a	38229M29	STWD	37	35	-2	11	61,162.852	4,961.277	-3	9.7
6920,705281	3211,745801		38237E21l	EGWD	49	6920,703	3507,515		4	E	E21b	38237E21l	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7461,57817	4170,311084		38237E21l	STWD	49	7461,578	2862,522		51	E	E21b	38237E21l	STWD	49	47	-2	0	61,162.852	4,961.277	-3	-1.7
10825,5814	5148,529196		38245K47j	EGWD		10825,58	5139		1	K	K47i	38245K47j	EGWD					61,162.852	4,961.277		
9057,871742	3643,937264		38261E22a	EGWD		8328,64			2	E	E22a	38261E22a	EGWD					61,162.852	4,961.277		
8106,604763	4371,161561		38261E22a	STWD	49	8130,591	3352,766		146	E	E22a	38261E22a	STWD		47			61,162.852	4,961.277		
9477,195231			38261E22b	EGWD		9347,015			1	E	E22b	38261E22b	EGWD					61,162.852			
7556,795822	4150,075523		38261F22c	STWD	49	7594,139	2856,466		76	E	E22b	38261F22c	STWD	44	40	-4	5	61,162.852	4,961.277	-5	5.9
6036,867762	4025,983503		38288F87c	STWD	33	6036,868	3894,967		128	F	F87c	38288F87c	STWD	30	29	-1	3	61,162.852	4,961.277	-1	2.1
4806,395924	3547,946689		38288F87d	STWD	27	4806,396	3501,31		74	F	F87d	38288F87d	STWD	25	24	-1	2	61,162.852	4,961.277	-1	2.1
6246,872476	3875,461238		38318A08l	STWD	46	6246,872	3322,557		9	A	A08b	38318A08l	STWD	41	39	-2	5	61,162.852	4,961.277	-3	5.9
53790,7771	18425,89605		38326N63j	EGWD	41	53790,78	10170,73		26	N	N63a	38326N63j	EGWD	33	37	4	8	61,162.852	30,706.821	3	9.7
7851,48651	4558,918998		38334E21a	STWD	49	7851,481	3613,047		21	E	E21a	38334E21a	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
9742,97212			38369K47j	EGWD	49	9742,972	3276,312		5	K	K47b	38369K47j	EGWD					61,162.852			
7881,910293	4264,357457		38369K47l	STWD	49	7881,91	2801,876		86	K	K47b	38369K47l	STWD		46			61,162.852	4,961.277		
12729,43723			38369K47c	EGWD	49	12729,44			1	K	K47c	38369K47c	EGWD		49			61,162.852			
9353,88654	4462,10668		38369K47c	STWD		9353,887	3239,444		34	K	K47c	38369K47c	STWD					61,162.852	4,961.277		
5627,118644	3926,551544		38415E15c	STWD	48	5627,119	3306,131		1	E	E15c	38415E15c	STWD	27	33	6	21	61,162.852	4,961.277	5	21.1
4341,968402	2631,964571		38431F88j	EGWD	35	4341,968	2472,981		9	F	F88j	38431F88j	EGWD	32	35	3	3	61,162.852	4,961.277	3	2.1
3852,21896	3462,245242		38431F88j	STWD	26	3852,219	2920,075		14	F	F88j	38431F88j	STWD	12	12	0	14	61,162.852	4,961.277	-1	13.5
6588,829085	4124,627432		38458K52c	STWD	49	6588,829	3304,778		23	K	K52d	38458K52c	STWD	39	37	-2	10	61,162.852	4,961.277	-3	9.7
6132,957086	4007,470797		38458K53a	STWD	46	6132,957	3310,868		21	K	K53a	38458K53a	STWD	35	34	-1	11	61,162.852	4,961.277	-1	9.7
6258,038133	3865,759715		38458K53l	STWD	49	6258,038	3200,044		60	K	K53b	38458K53l	STWD	37	36	-1	12	61,162.852	4,961.277	-1	13.5
6592,013731	3971,814068		38458K54	STWD	49	6592,014	3010,45		128	K	K54a	38458K54	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
3755,862273	3453,258714		38474F81k	STWD	11	3755,862	3509,693		142	F	F81b	38474F81k	STWD	11	8	-3	0	61,162.852	4,961.277	-3	-1.7
7099,029153	4232,685455		38482M28	STWD	49	7099,029	3190,19		44	M	M28c	38482M28	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
7187,703687	4244,643403		38482M28	STWD	47	7187,704	3463,982		282	M	M28d	38482M28	STWD	42	40	-2	5	61,162.852	4,961.277	-3	5.9
3889,65646	2665,288662		38504N71c	EGWD	38	3889,656	2545,92		2	N	N71c	38504N71c	EGWD		41			61,162.852	4,961.277		
4543,481168	2665,506611		38539N69c	EGWD	47	4543,481	2428,251		8	N	N69a	38539N69c	EGWD	38	41	3	9	61,162.852	4,961.277	3	9.7
3814,216848	3647,700347		38555N68c	STWD	8	3814,217	3978,87		72	N	N68d	38555N68c	STWD	6	7	1	2	61,162.852	4,961.277	1	2.1
6679,346187	3691,146334		38563A04c	EGWD	43	6679,246	4316,752		6	A	A04d	38563A04c	EGWD	45	46	1	-2	61,162.852	4,961.277	1	-1.7
6440,78105	4120,40539		38563A04c	STWD	35	6440,781	4049,735		2	A	A04d	38563A04c	STWD	39	36	-3	-4	61,162.852	4,961.277	-3	-5.5
9944,674987	4041,170826		38571K52c	STWD	49	9892,059	4894,447		99	K	K52c	38571K52c	STWD	44	42	-1	9	61,162.852	4,961.277	-1	5.9
6809,33992	4095,117175		38571K52c	STWD	49	6809,34	3106,251		101	K	K52d	38571K52c	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6855,934072	4126,763121		38571K53a	STWD	49	6855,934	3357,612		53	K	K53a	38571K53a	STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
6694,049928	4144,171483		38571K54c	STWD	49	6694,05	3340,441		96	K	K54c	38571K54c	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
7104,099376	4423,729328		38571K54c	STWD	48	7104,099	3691,097		102	K	K54d	38571K54c	STWD	41	38	-3	7	61,162.852	4,961.277	-3	5.9
5135,36109	3329,536379		38628N63j	EGWD	40	5135,361	3205,777		18	N	N63a	38628N63j	EGWD	30	36	6	10	61,162.852	4,961.277	5	9.7
4578,623188	3564,880174		38628N64c	STWD	45	4578,623	3697,959		2	N	N64c	38628N64c	STWD	29	29	0	16	61,162.852	4,961.277	-1	17.3
6034,341591	4007,014868		38636M29	STWD	38	6034,342	3730,357		315	M	M29a	38636M29	STWD	37	33	-4	1	61,162.852	4,961.277	-5	2.1
7135,549894	4286,576381		38644A03k	STWD	45	7135,55	3865,243		13	A	A03e	38644A03k	STWD	43	40	-3	2	61,162.852	4,961.277	-3	2.1
6353,780826	2879,581455		38652M55	EGWD	49	6353,781	2428,142		7	M	M55d	38652M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6549,427282	4007,695776		38652M55	STWD	49	6549,427	3118,148		102	M	M55d	38652M55	STWD	39	39	0	10	61,162.852	4,961.277	-1	9.7
6059,595859	2904,211852		38660K90c	EGWD	49	6059,596	2461,377		17	K	K90c	38660K90c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5778,397581	3848,654655		38660K90c	STWD	26	5778,398	2720,177		3	K	K90c	38660K90c	STWD	30	24	-6	-4	61,162.852	4,961.277	-7	-5.5
5333,333333	3438,145527		38679N63c	EGWD	40	5333,333	3200,084		6	N	N63a	38679N63c	EGWD	34	36	2	6	61,162.852	4,961.277	1	5.9
10264,02465			38687K46c	EGWD	49	10264,02	3019,908		7	K	K46c	38687K46c	EGWD					61,162.852			
7394,984514	4053,507017		38687K46c	STWD	49	7394,985	2448,578		42	K	K46c	38687K46c	STWD					61,162.852	4,961.277		
5422,352112	2783,398269		38695K90c	EGWD	49	5422,352	2378,961		29	K	k90d	38695K90c	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
3594,305827	3315,741087		38709N66f	STWD	7	3594,306	3402,915		136	N	N66f	38709N66f	STWD	8	8	0	-1	61,162.852	4,961.277	-1	-1.7
4285,126418	3493,548865		38725K91c	STWD	23	4285,126	3453,624		72	K	K91c	38725K91c	STWD	26	19	-7	-3	61,162.852	4,961.277	-7	-1.7
8437,616276			38733K47c	EGWD	49	8437,616	3142,432		2	K	K47c	38733K47c	EGWD		49			61,162.852			
8123,563591	4183,142934		38733K47c	STWD		8123,564	2804,202		23	K	K47c	38733K47c	STWD					61,162.852	4,961.277		
4577,049475	3056,509734		38741F89t	EGWD	32	4577,049	3124,052		35	F	F89b	38741F89t	EGWD	30	33	3	2	61,162.852	4,961.277	3	2.1
4707,575758	3959,937867		38741F89t	STWD	13	4707,576	4330,099		24	F	F89b	38741F89t	STWD	18	15	-3	-5	61,162.852	4,961.277	-3	-5.5
7163,313314			38768K90	EGWD	49	7163,313	3152,28		3	K	K90i	38768K90	EGWD	49	48	-1	0	61,162.852		-1	-1.7
6388,282542	4247,434757		38776A00c	STWD	28	6388,283	4623,998		115	A	A00a	38776A00c	STWD	38	34	-4	-10	61,162.852	4,961.277	-5	-9.3
6739,028276	3916,420238		38776A00t	EGWD	30	6739,028	4802,434		3	A	A00b	38776A00t	EGWD	39	41	2	-9	61,162.852	4,961.277	1	-9.3
5574,071131	3986,556193		38776A00t	STWD	22	5574,071	4444,452		66	A	A00b	38776A00t	STWD	36	28	-8	-14	61,162.852	4,961.277	-9	-13.1
7272,534371	4271,704642		38784K44t	STWD	49	7272,534	3400,456		361	K	k44b	38784K44t	STWD	43	41	-2	6	61,162.852	4,961.277	-3	5.9
5099,945001	4047,780959		38806N62j	STWD	16	5099,945	4599,68		30	N	N62a	38806N62j	STWD	23	17	-6	-7	61,162.852	4,961.277	-7	-5.5
7642,743595	4356,285338		38806N62l	EGWD	47	7642,744	4037,683		12	N	N62b	38806N62l	EGWD	41	43	2	6	61,162.852	4,961.277	1	5.9
3867,404452	3418,675835		38814N68c	STWD	13	3867,404	3343,681		310	N	N68c	38814N68c	STWD	11	10	-1	2	61,162.852	4,961.277	-1	2.1
6842,07038	4332,918895		38822A04l	STWD	35	6842,07	4462,312		113	A	A04i	38822A04l	STWD	42	36	-6	-7	61,162.852	4,961.277	-7	-5.5
2833,333333	2833,333441		38830N65c	EGWD	24	3833,333	3013,138		1	N	N65a	38830N65c	EGWD	18	26	8	6	61,162.852	4,961.277	7	5.9
7059,223374	4608,854085		38873A00t	STWD	28	7059,223	5113,622		15	A	A00a	38873A00t	STWD	38	35	-3	-10	61,162.852	4,961.277	-3	-9.3
4072,3583	2740,713042		38881F83a	EGWD	30	4072,358	2821,542		38	F	F83a	38881F83a	EGWD	30	32	2	0	61,162.852	4,961.277	1	-1.7
7036,802808	4833,003433		38938A01q	STWD	33	7036,803	5612,231		9	A	A01g	38938A01q	STWD		38			61,162.852	4,961.277		
7368,653213	4108,20327		38946K49f	STWD	49	7368,653	2937,176		118	K	K49f	38946K49f	STWD	48	44	-4	1	61,162.852	4,961.277	-5	2.1
6756,203395	4250,560384		38954K54c	STWD	48	6756,203	3528,729		146	K	K54a	38954K54c	STWD	40	37	-3	8	61,162.852	4,961.277	-3	9.7
5904,685431	4151,531787		38962K90d	STWD	25	5904,685	4429,837		108	K	K90a	38962K90d	STWD	32	29	-2	-7	61,162.852	4,961.277	-3	-5.5
5559,1349	3497,733239		39012N60c	EGWD	39	5559,135	3404,179		32	N	N60c	39012N60c	EGWD	35	37	2	5	61,162.852	4,961.277	1	2.1
3871,290038	2769,806361		39020N65c	EGWD	27	3871,29	2823,219		18	N	N65a	39020N65c	EGWD	21	28	7	6	61,162.852	4,961.277	7	5.9
4376,577926	3281,996868		39039K91t	STWD	32	4376,578	2859,153		156	K	K91b	39039K91t	STWD	32	28	-4	0	61,162.852	4,961.277	-5	-1.7
7106,940427	4423,036462		39047A08t	STWD	36	7106,94	4689,265		18	A	A08b	39047A08t	STWD	38	36	-2	-2	61,162.852	4,961.277	-3	-1.7
6140,664962			39098M27	EGWD	49	6140,665	3046,345		1	M	M27a	39098M27	EGWD					61,162.852			
6878,326399	4075,773274		39098M27	STWD	49	6878,326	2982,523		127	M	M27a	39098M27	STWD	45	42	-3	4	61,162.852	4,961.277	-3	2.1
8231,18783	3506,059757		39098M27	EGWD	49	8231,188	2940,955		17	M	M27b	39098M27	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6980,208289	4071,28916		39098M27	STWD	49	6980,208	2883,72		211	M	M27b	39098M27	STWD	44	42	-2	5	61,162.852	4,961.277	-3	5.9
6674,046216	3083,417647		39098M55	EGWD	49	6674,046	2772,068		15	M	M55g	39098M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6748,929978	3992,156913		39098M55	STWD	48	6748,93	2782,863		2	M	M55g	39098M55	STWD	38	37	-1	10	61,162.852	4,961.277	-1	9.7
6030,051052	4133,339226		39098M55	STWD	28	6030,051	4350,69		66	M	M55i	39098M55	STWD	34	31	-3	-6	61,162.852	4,961.277	-3	-5.5
4963,414634	3585,643561		39098M58	STWD	43	4963,415	2564,54		1	M	M58h	39098M58	STWD	36	36	0	7	61,162.852	4,961.277	-1	5.9
6758,070824	3706,790822		39101M57	EGWD	49	6758,071	3247,682		25	M	M57a	39101M57	EGWD	43	45	2	6	61,162.852	4,961.277	1	5.9
5446,267859	4035,643057		39101M57	STWD	40	5446,268	3443,169		26	M	M57a	39101M57	STWD	28	26	-2	12	61,162.852	4,961.277	-3	13.5
6473,292122	3968,149223		39128K44t	STWD	49	6473,292	2944,818		20	K	K44b	39128K44t	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
5737,830733	2875,089649		39128K44t	EGWD	49	5737,831	2421,128		2	K	K44e	39128K44t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6623,426009	4127,03126		39128K44t	STWD	49	6623,426	3259,354		55	K	K44e	39128K44t	STWD	41	37	-4	8	61,162.852	4,961.277	-5	9.7
4317,873714	2733,981556		39136F78l	EGWD	38	4317,874	2447,57		12	F	F78b	39136F78l	EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1
7052,130948			39144K90	EGWD	49	7052,131			4	K	K90i	39144K90	EGWD	49	48	-1	0	61,162.852		-1	-1.7
6029,126214	3805,337006		39144K90	STWD	42	6029,11	3780,97		1	K	K90i	39144K90	STWD	41	37	-4	1	61,162.852	4,961.277	-5	2.1
7776,078059	3643,632729		39152E18t	EGWD	49	7776,078	3541,961		16	E	E18b	39152E18t	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7160,240044	4326,635509		39152E18t	STWD	49	7168,31	3421,383		93	E	E18b	39152E18t	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
4084,238925	3761,887778		39160N68c	STWD	6	4084,239	4184,044		68	N	N68c	39160N68c	STWD	11	9	-2	-5	61,162.852	4,961.277	-3	-5.5
4574,702731	2589,13665		39160N68l	EGWD	47	4574,703	2371,873		33	N	N68f	39160N68l	EGWD	41	43	2	6	61,162.852	4,961.277	1	5.9
3563,1025	3582,538175		39160N68l	STWD	5	3563,103	3890,265		66	N	N68f	39160N68l	STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
4976,302746	3275,895812		39187N65c	EGWD	34	4976,303	3248,936		21	N	N65c	39187N65c	EGWD	26	34	8	8	61,162.852	4,961.277	7	9.7
4487,391807	3150,273687		39195N62c	EGWD	31	4487,392	3081,806		23	N	N62a	39195N62c	EGWD	31	31	0	0	61,162.852	4,961.277	-1	-1.7
5096,589817	3350,277099		39209F77f	EGWD	29	5096,99	3151,709		28	F	F77f	39209F77f	EGWD	30	34	4	-1	61,162.852	4,961.277	3	-1.7
6869,494144			39233A07f	EGWD	49	6869,494	3408,863		2	A	A07h	39233A07f	EGWD	49	49	0	0	61,162.852		-1	-1.7
6564,878889	4096,976159		39233A07f	STWD	49	6564,879	3186,536		4	A	A07h	39233A07f	STWD	46	43	-3	3	61,162.852	4,961.277	-3	2.1
6997,583215	4271,955582		39268A05c	STWD	40	6997,583	4173,798		242	A	A05a	39268A05c	STWD	43	39	-4	-3	61,162.852	4,961.277	-5	-1.7
5797,607826	3766,845069		39268E13a	STWD	49	5797,608	2753,953		11	E	E13a	39268E13a	STWD	42	36	-6	7	61,162.852	4,961.277	-7	5.9
7998,37588	5051,80263		39314A06t	STWD	26	7998,376	5910,178		123	A	A06d	39314A06t	STWD	37	34	-3	-11	61,162.852	4,961.277	-3	-9.3
7020,716586	4207,675589		39330A02t	STWD	48	7020,717	3543,95		4	A	A02b	39330A02t	STWD	49	44	-5	-1	61,162.852	4,961.277	-5	-1.7
7271,629932	4408,133857		39330A02c	STWD	41	7271,63	4324,007		42	A	A02c	39330A02c	STWD	44	39	-5	-3	61,162.852	4,961.277	-5	-1.7
7625,061937	3812,105486		39381A06t	EGWD	45	7625,062	4345,216		4	A	A06k	39381A06t	EGWD	49	49	0	-4	61,162.852	4,961.277	-1	-5.5
7998,230932	4702,580056		39381A06t	STWD	41	7998,231	4734,939		167	A	A06k	39381A06t	STWD	44	41	-3	-3	61,162.852	4,961.277	-3	-1.7
7498,920434	3971,793084		39381A06l	EGWD	43	7498,92	4444,948		4	A	A06l	39381A06l	EGWD	49	49	0	-6	61,162.852	4,961.277	-1	-5.5
8037,656854	4684,940396		39381A06l	STWD	45	8037,657	4448,391		82	A	A06l	39381A06l	STWD	45	42	-3	0	61,162.852	4,961.277	-3	-1.7
7396,893837	3289,300138		39403K52g	EGWD	49	7

6591,489362	3046,183226	[redacted]	39519M56	EGWD	49	6591,489	3295,614	[redacted]	1	M	M56a	39519M56	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6804,548667	3386,668764		39519M56	STWD	49	6804,949	3894,241		51	M	M56a	39519M56	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9
7370,79254	3033,884078		39519M56	EGWD	49	7370,793	3703,823		5	M	M56c	39519M56	EGWD	49	49	0	0	61,162.852	4,961.277	1	1.7
6636,9248	4005,581295		39519M56	STWD	49	6636,925	2993,359		49	M	M56c	39519M56	STWD	41	36	-5	8	61,162.852	4,961.277	-5	9.7
5125,558313	3094,255838		39535F76a	EGWD	36	5125,558	3825,382		2	F	F76a	39535F76a	EGWD	31	36	5	5	61,162.852	4,961.277	5	5.9
3760,245399	3909,001358		39535F76a	STWD	6	3760,245	3496,445		30	F	F76a	39535F76a	STWD	5	5	0	1	61,162.852	4,961.277	-1	2.1
7658,872042	4515,225543		39543M27	STWD	49	7658,872	3722,93		44	M	M27a	39543M27	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
6297,395201	3909,809055		39543M27	STWD	46	6297,395	3737,344		235	M	M27b	39543M27	STWD	39	37	-2	7	61,162.852	4,961.277	-3	5.9
4265,480263	3495,214357		39551N61	STWD	35	4265,48	2716,793		32	N	N61b	39551N61	STWD	26	22	-4	9	61,162.852	4,961.277	-5	9.7
7103,57357	4358,212582		39578K52	STWD	49	7103,574	4457,765		48	K	K52a	39578K52	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
3934,542425	2677,022163		39586F83	EGWD	31	3934,542	2718,33		37	F	F83a	39586F83	EGWD	30	32	2	1	61,162.852	4,961.277	1	2.1
4478,563861	2575,824469		39594N68	EGWD	48	4478,564	2331,162		26	N	N68d	39594N68	EGWD	44	43	-1	4	61,162.852	4,961.277	-1	2.1
4157,410308	3648,025066		39594N68	STWD	10	4157,41	4057,766		56	N	N68d	39594N68	STWD	9	9	0	1	61,162.852	4,961.277	-1	2.1
3758,330173	3357,727611		3960BF78	STWD	13	3758,33	3256,03		40	F	F78d	3960BF78	STWD	14	14	0	-1	61,162.852	4,961.277	-1	-1.7
5764,014985	4144,270657		39616A02	STWD	46	5764,015	5124,139		3	A	A02c	39616A02	STWD	47	43	-4	-1	61,162.852	4,961.277	-5	-1.7
220062,7244	52061,64249		39616A02	STWD	46	220062,7	35143,89		6	A	A02d	39616A02	STWD	46	47	1	0	182,011.31	50,925.634	1	-1.7
7258,664142	4259,48011		39624A01	STWD	33	7587,415	4760,015		4	A	A01g	39624A01	STWD		38			61,162.852	4,961.277		
6082,963522	4397,136577		39632A00	STWD	27	6082,964	5260,461		4	A	A00b	39632A00	STWD	36	32	-4	-9	61,162.852	4,961.277	-5	-9.3
2513,88889	4373,930666		39667A01	EGWD	38	2513,889			3	A	A01f	39667A01	EGWD	47	49	2	-9	61,162.852	4,961.277	1	-9.1
7513,814626	4322,4496		39667A01	STWD	41	7513,815	4394,655		33	A	A01f	39667A01	STWD	43	42	-1	-2	61,162.852	4,961.277	-1	-1.7
5282,683942	3862,668967		39675K90	STWD	27	5282,684	3873,014		163	K	K90a	39675K90	STWD	31	26	-5	4	61,162.852	4,961.277	-5	5.5
6754,014985	3506,871378		39683N73	EGWD	48	6754,015	3418,19		22	N	N73b	39683N73	EGWD	40	47	7	8	61,162.852	4,961.277	7	9.7
3974,917016	2789,066838		39691F83	EGWD	28	3974,917	2854,075		26	F	F83a	39691F83	EGWD	28	30	2	0	61,162.852	4,961.277	1	-1.7
7053,776471	4227,932815		39713K44	STWD	49	7053,776	3338,741		115	K	K44a	39713K44	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
6788,020173	4074,514081		39721M29	STWD	49	6788,02	3238,25		219	M	M29b	39721M29	STWD	41	40	-1	8	61,162.852	4,961.277	-1	9.7
3722,216687	3495,373488		39756F81	STWD	6	3722,217	3546		33	F	F81a	39756F81	STWD	9	6	-3	-3	61,162.852	4,961.277	-3	-1.7
5296,424285	3850,454514		39764K90	STWD	32	5296,424	3608,127		63	K	K90a	39764K90	STWD	33	31	-2	-1	61,162.852	4,961.277	-3	-1.7
4132,394658	2751,689442		39772N68	EGWD	38	4132,395	2757,7		16	N	N68d	39772N68	EGWD	34	36	2	4	61,162.852	4,961.277	1	2.1
4600,038291	3581,238632		39799F89	STWD	22	4600,038	3927,719		47	F	F89c	39799F89	STWD	28	20	-8	-6	61,162.852	4,961.277	-9	-5.5
7773,294543	4435,524818		39829E20	STWD	49	7773,295	3375,823		225	E	E20c	39829E20	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
7790,8088	4452,432546		39829E21	STWD	49	7790,809	3473,844		439	E	E21a	39829E21	STWD	45	43	-2	4	61,162.852	4,961.277	-3	2.1
4661,72639	4029,708492		39837F89	STWD	13	4661,726	4542,361		12	F	F89b	39837F89	STWD	12	12	0	1	61,162.852	4,961.277	-1	2.1
6613,381001	3454,208861		39861M55	EGWD	49	6613,381	3576,435		2	M	M55d	39861M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6302,336907	3866,540887		39861M55	STWD	49	6302,337	2833,175		74	M	M55d	39861M55	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7
5067,616032	4093,104484		39888E37	STWD	29	5067,616	3601,699		12	F	E37a	39888E37	STWD	22	20	-2	7	61,162.852	4,961.277	-3	5.9
6128,54499	4016,40326		39888E37	STWD	49	6128,545	3021,23		161	E	E37d	39888E37	STWD	35	34	-1	14	61,162.852	4,961.277	-1	13.5
6065,587403	4100,410673		39888E37	STWD	46	6065,587	3233,7		108	E	E37g	39888E37	STWD	33	32	-1	13	61,162.852	4,961.277	-1	13.5
6886,803658	4297,873257		39888E40	STWD	49	6886,804	3257,517		251	E	E40a	39888E40	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
6457,11355	4153,757131		39888E40	STWD	49	6457,114	3126,648		24	E	E40b	39888E40	STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5
3794,599801	2424,610126		39934F82	EGWD	41	3816,604	2230,612		14	F	F82d	39934F82	EGWD	34	36	2	7	61,162.852	4,961.277	1	5.9
3934,662036	3235,573593		39934F82	STWD	23	3934,662	2880,17		31	F	F82d	39934F82	STWD	20	18	-2	3	61,162.852	4,961.277	-3	2.1
8436,130603	3227,710667		39942K59	EGWD	49	8933,396	2444,494		5	K	K59a	39942K59	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5935,415989	3747,413066		39942K59	STWD	37	5935,416	3748,996		16	K	K59a	39942K59	STWD	40	37	-3	-3	61,162.852	4,961.277	-3	-1.7
4230,735142	3568,310339		39969F76	STWD	8	4230,735	3980,129		24	F	F76b	39969F76	STWD	10	12	2	-2	61,162.852	4,961.277	1	-1.7
4169,267716	2721,774324		39977F78	EGWD	32	4169,268	2788,817		30	F	F78b	39977F78	EGWD	31	33	2	1	61,162.852	4,961.277	1	2.1
5505,400395	3815,189837		39993E37	STWD	44	5505,4	2854,71		35	E	E37c	39993E37	STWD	34	31	-3	10	61,162.852	4,961.277	-3	9.7
3775,819444	3742,366612		40002F77	STWD	9	3775,815	4263,634		96	F	F77c	40002F77	STWD	6	6	0	3	61,162.852	4,961.277	-1	2.1
4868,358516	2775,727147		40019F85	EGWD	45	4868,359	2684,223		16	F	F85b	40019F85	EGWD	39	43	4	4	61,162.852	4,961.277	3	5.9
4320,00089	2953,418541		40029F78	EGWD	28	4320,001	3012,902		28	F	F78b	40029F78	EGWD	24	29	5	4	61,162.852	4,961.277	5	2.1
4511,310951	2849,609001		40037F86	EGWD	41	4511,311	2389,225		10	F	F86a	40037F86	EGWD	36	37	1	5	61,162.852	4,961.277	1	5.9
3741,490845	3543,610434		40037F86	STWD	19	3741,491	3846,576		83	F	F86a	40037F86	STWD	14	14	0	5	61,162.852	4,961.277	-1	5.9
5034,538257	3654,44741		40045F86	STWD	29	5034,538	3356,071		107	F	F86a	40045F86	STWD	24	24	0	5	61,162.852	4,961.277	-1	5.9
6740,221727	4188,103104		40061K26	STWD	49	6740,222	3350,4		36	K	K26c	40061K26	STWD	42	38	-4	7	61,162.852	4,961.277	-5	5.9
8948,67317	3638,888894		40088K59	EGWD	49	9094,894	2677,44		36	K	K59a	40088K59	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
9828,009774	3570,855591		40118K49	EGWD	49	9828,01	2521,524		9	K	K49a	40118K49	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6000	4227,173572		40126E42	STWD	39	6000	3668,593		9	E	E42a	40126E42	STWD	33	30	-3	6	61,162.852	4,961.277	-3	5.9
7092,435779	4454,051151		40126E42	STWD	45	7092,436	3872,533		13	E	E42b	40126E42	STWD	39	37	-2	6	61,162.852	4,961.277	-3	5.9
6555,122551	4220,602597		40126E42	STWD	46	6555,123	3531,793		29	E	E42c	40126E42	STWD	38	35	-3	8	61,162.852	4,961.277	-3	9.7
6574,763826	4190,656167		40126E42	STWD	44	6574,764	3688,901		48	E	E42d	40126E42	STWD	38	36	-2	6	61,162.852	4,961.277	-3	5.9
6307,544389	3886,611131		40142K90	STWD	35	6307,544	3512,677		62	K	K90a	40142K90	STWD	32	31	-1	3	61,162.852	4,961.277	-1	2.1
4383,541868	2617,038147		40169F82	EGWD	40	4383,542	2527,031		4	F	F82a	40169F82	EGWD	36	38	2	4	61,162.852	4,961.277	1	2.1
9418,610952	3623,995061		40177K47	EGWD	49	9418,611	3347,202		14	K	K47c	40177K47	EGWD		49			61,162.852	4,961.277		
7833,573018	4246,025119		40177K47	STWD		7833,573	2808,76		85	K	K47c	40177K47	STWD					61,162.852	4,961.277		
9156,98112	3583,328218		40177K47	EGWD	49	9156,981	3169,901		25	K	K47d	40177K47	EGWD					61,162.852	4,961.277		
7774,958003	4114,9583		40177K47	STWD		7774,958	2603,28		198	K	K47d	40177K47	STWD					61,162.852	4,961.277		
7759,491934	4097,312087		40185A06	EGWD	40	7759,492	4818,835		3	A	A06a	40185A06	EGWD	47	48	1	-7	61,162.852	4,961.277	1	-5.5
7794,836694	4704,677418		40185A06	STWD	38	7794,837	4890,206		119	A	A06a	40185A06	STWD	43	40	-3	-5	61,162.852	4,961.277	-3	-5.5
4555,13152	2621,699129		40199F86	EGWD	49	4555,132	2400,814		4	F	F86c	40199F86	EGWD	49	42	-7	-7	61,162.852	4,961.277	-8	5.9
4539,460726	3510,364959		40215F86	STWD	29	4539,461	3108,941		107	F	F86a	40215F86	STWD	24	23	-1	5	61,162.852	4,961.277	-1	5.9
5590,876432	3937,996647		40223E37	STWD	44	5590,876	3034,445		50	E	E37c	40223E37	STWD	32	29	-3	12	61,162.852	4,961.277	-3	13.5
4290,677768	3456,573266		40223E39	STWD	28	4290,678	3151,972		25	E	E39d	40223E39	STWD	26	25	-1	2	61,162.852	4,961.277	-1	2.1
6006,578947			40258N60	EGWD	39	6006,579			1	N	N60a	40258N60	EGWD	32	34	2	7	61,162.852		1	5.9
4362,952963	3332,050475		40258N60	STWD	37	4362,963	2201,94		1	N	N60a	40258N60	STWD	27	27	0	10	61,162.852	4,961.277	-1	9.7
5305,55556	2756,327824		40258N60	STWD	43	5305,556	3567,013		4	N	N60b	40258N60	STWD	41	41	-2	0	61,162.852	4,961.277	-3	-1.7
5483,067096	2999,788208		40258N60	STWD	43	5483,067	2960,432		5	N	N60c	40258N60	STWD	38	40	2	5	61,162.852	4,961.277	1	5.9
4921,673602	3727,275626		40258N60	STWD	32	4921,674	3114,266		91	N	N60c	40258N60	STWD	24	20	-4	8	61,162.852	4,961.277	-5	9.7
4670,822716	3890,177164		40266F85	STWD	10	4670,823	4284,782		36	F	F85c	40266F85	STWD	14	16	2	-4	61,162.852	4,961.277	1	-5.5
6742,849707	4186,082408		40274K52	STWD	49	6742,85	3423,098		24	K	K52d	40274K52	STWD	38	37	-1	11	61,162.852	4,961.277	-1	9.7
3297,495301	3090,493659		40282N68	STWD	9	3297,495	2996,948		80	N	N68f	40282N68	STWD	8	7	-1	1	61,162.852	4,961.277	-1	2.1
6121,25906	3940,56182		40290F75	STWD	49	6121,259	3094,255		91	E	E75a	40290F75	STWD	37	35	-2	12	61,162.852	4,961.277	-3	13.5
5863,618662	3815,264453		40290F75	STWD	48	5863,619	2930,188		82	E	E75b	40290F75	STWD	36	35	-1	12	61,162.852	4,961.277	-1	13.5
5615,396607	3850,576482		40290E75	STWD	45	5615,397	3108,774		16	E	E75c	40290E75	STWD	35	31	-4	10	61,162.852	4,961.277	-5	9.7
6254,197626	3985,139621		40290E75	STWD	48	6254,198	3518,802		40	E	E75d	40290E75	STWD	39	38	-1	9	61,162.852	4,961.277	-1	9.7
6325,116958	4070,729783		40312A09	EGWD		8085,227	6024,665		2	A	A09c	40312A09	EGWD					61,162.852	4,961.277		
6659,209094	4369,301498		40312A09	STWD	31	6659,209	4753,872		80	A	A09c	40312A09	STWD	39	37	-2	-8	61,162.852	4,961.277	-3	-9.3
10000	3685,574678		40339K48	EGWD	49	10000	2375,977		1	K	K48f	40339K48	EGWD		49			61,162.852	4,961.277		
7080,04402	4187,189123		40339K48	STWD	49	7080,044	3321,652		31	K	K48f	40339K48	STWD	44	41	-3	5	61,162.852	4,961.277	-3	5.9
7220,289822	4294,773176		40347K44	STWD	49	7220,29	3479,321		243	K	K44b	40347K44	STWD	43	40	-3	6	61,162.852	4,961.277	-3	5.9
7250,376018	4322,280501		40347K44	STWD	49	7250,276	3461,046		166	K	K44c	40347K44	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
5566,666667	4147,039371		40363N62	EGWD	42	5566,667	3900,633		1	N	N62b	40363N62	EGWD	36	39	3	6	61,162.852	4,961.277	3	5.9
6017,731056	3836,951112		40371N62	EGWD	40	6098,658	3655,822		13	N	N62b	40371N62	EGWD	34	36	2	6	61,162.852	4,961.277	1	5.9
4217,286418	2633,54272		40398F82	EGWD	41	4217,286	2470,809		24	F	F82b	40398F82	EGWD	35	37	2	6	61,162.852	4,961.277	1	5.9
4286,524209	3514,127923		40398F82	STWD	24	4286,524	3144,574		108	F	F82b	40398F82	STWD	21	18	-3	3	61,162.852	4,961.277	-3	2.1
3793,051123	3344,105749		40398F82	STWD	11	3800,526	3930,599		221	F	F82c	40398F82	STWD	13	12	-1	-2	61,162.852	4,961.277	-1	-1.7
7356,590845	4424,505054		40428A02	STWD	41	7356,591	4409,133		44	A	A02c	40428A02	STWD	44	40	-4	-3	61,162.852	4,961.277	-5	-1.7
6999,299534	4456,261109		40436E13	STWD	45	6999,3	3716,014		58	E	E13d	40436E13	STWD	39	36	-3	6	61,162.852	4,961.277	-3	5.9
6806,78102	4158,325082		40444K44	STWD	49	6806,781	3229,594		122	K	K44d	40444K44	STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
5372,77871	3995,101401		40452E39	STWD	27	5372,779	4243,281		78	E	E39c	40452E39	STWD		25			61,162.852	4,961.277		
7802,017895	4213,370001		40460K47	STWD	49	7802,018	2706,777		105	K	K47f	40460K47	STWD	45	47	-2	0	61,162.852	4,961.277	-3	-1.7
6954,578281	4080,959658		40509E16	STWD	49	6954,578	3332,832		96	E	E16a	40509E16	STWD	39	38	-1	10	61,162.852	4,961.277	-1	9.7
7534,734871	4123,359291		40509E16	STWD	45	7534,735	4032,992		3	E	E16c	40509E16	STWD	41	40	-1	4	61,162.852	4,961.277	-1	2.1
5389,685508	3744,580364		40517M57	STWD	45	5467,39	2974,728		16	M	M57a	40517M57	STWD	31	31	0	14	61,162.852	4,961.277	-1	13.5
6573,634498	4334,718087		40533E13	STWD	44	6573,634	3668,192		46	E	E13d	40533E13	STWD	37	34	-3	7	61,162.852	4,961.277	-3	5.9
7370,967742	4283,035081		40541E13	STWD	49	7370,968	3685,886		1	E	E13f	40541E13	STWD	41	38	-3	8	61,162.852	4,961.277	-3	9.7
6615,271734	4337,015914		40568E13	STWD	43	6615,272	3754,244		136	E	E13d	40568E13	STWD	37	34	-3	6	61,162.852	4,961.277	-3	5.9
6888,995284	4184,599832		40568E13	STWD	49	6888,995	3420,872		132	E	E13f	40568E13	STWD	42	39	-2	7	61,162.852	4,961.277	-3	5.9
5534,660633	2741,505809		40576M55	EGWD	49	5534,661	2700,231		2	M	M55d	40576M55	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6449,947102	3891,32235		40576M55	STWD	49	6449,947	2831,83		126	M	M55d	40576M55	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
7019,626931	4243,806445		40584N61	EGWD	47	7019,627	3703,737		42	N	N61c	40584N61	EGWD	38	39	1	9	61,162.852	4,961.277	1	9.7
6607,257594	3541,429408		40592A04	EGWD	37	6607,258	4180,717		7	A	A04h	40592A04	EGWD	45	47	2	-8	61,162.852	4,961.277	1	-9.3
7666,341066	4624,778206		40592A04	STWD	40	7666,341	5043,409		3	A	A04h	40592A04	STWD	42	39	-3	-2	61,162.852	4,961.277	-3	-1.7
7803,222644	3408,71497		40606A05	EGWD	49	7803,223	3848,133		8	A	A05d	40606A05	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
7091,834074	4305,515413		40606A05	STWD	37	7091,834	4409,681		15	A	A05d	40606A05	STWD	44	39	-5	-7	61,162.852	4,961.277	-5	-5.5
4151,040164	3022,745431		40614T88	EGWD	23	4185,861	3147,127		58	T	T98a	40614T88	EGWD	21	24	3	2	61,162.852	4,961.277	3	2.1
12327,7512	5479,839486		40622E22	EGWD		12327,75	4425,31		2	E	E22a	40622E22	EGWD					61,162.852	4,961.277		
7369,439183	4043,882427		40622E22	STWD	49	8448,36	4202,169		9	E	E22a	40622E22	STWD		45			61,162.852	4,961.277		
6770,567925	3417,296794		40630A04	EGWD	42	6770,568	4046,629		2	A	A04h	40630A04	EGWD	48	49	1	-6	61,162.852	4,961.277	1	-5.5
7327,822289	4460,294919		40630A04	STWD	35	7327,822	4729,419		31	A	A04h	40630A04	STWD	42	39	-3	-7	61,162.852	4,961.277	-3	-5.5
4064,975957	3514,631758		40649N68	STWD	13	4064,976	3717,504		85	N	N68c	40649N68	STWD	14	11	-3	-1	61,162.852	4,961.277	-3	-1.7
7447,719788	4374,681586		40657M25	STWD	48	7447,72	4759,259		98	M	M29a	40657M25	STWD	43	40	-3	5	61,162.852	4,961.277	-3	5.9
6536,013353	4106,549593		40657M31	STWD	47	6545,1	3472,566		77	M	M31a	40657M31	STWD	39	37	-2	8	61,162.852	4,961.277	-3	9.7
5375,286175	3780,548399		40657M32	STWD	32	5375,286	3744,369		119	M	M32a	40657M32	STWD	32	29	-3	0	61,162.852	4,961.277	-3	-1.7
6833,227417	3228,545131		40657M32	EGWD	49	6833,227	2816,682		10	M	M32c	40657M32	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5107,714409	3604,947687		40657M32	STWD	30	5107,714	3577,836		54	M	M32c	40657M32	STWD	33	29	-4	-3	61,162.852	4,961.277	-5	-1.7
5263,476556			40665M33	STWD	18	5263,477			388	M	M33h	40665M33	STWD	26	22	-4	-8	61,162.852		-5	-9.3
5750,9754	3807,629492		40665M33	STWD	36	5750,975	3653,001		176	M	M33j	40665M33	STWD	38	34	-4	-2	61,162.852	4,961.277	-5	-1.7
5578,715638	3851,972084		40673A09	STWD	29	5578,716	3982,819		7	A	A09f	40673A09	STWD	35	30	-5	6	61,162.852	4,961.277	-5	-5.5
5908,412317	3047,200137		40673M33	EGWD		5908,412	2630,319		3	M	M33k	40673M33	EGWD					61,162.852	4,961.277		
5201,978544	3724,0852		40673M33	STWD	32	5201,979	3572,217		25	M	M33k	40673M33	STWD	26	29	3	6	61,162.852	4,961.277	3	5.9
6203,389831	2994,523428		40703A09	EGWD		6203,39	2784,067		2	A	A09h	40703A09	EGWD					61,162.852	4,961.277		
5877,77	3849,715914		40703A09	STWD	45	5877,77	3067,464		42	A	A09h	40703A09	STWD	36	34	-2	9	61,162.852	4,961.277	-3	9.7
7059,036945	4537,650964		40711A00	STWD	25	7059,037	5259,236		156	A	A00a	40711A00	STWD	39	35	-4	-14	61,162.852	4,961.277	-5	-13.1
7293,333333	4286,097145		40711A00	STWD	35	7293,333	5009,184		1	A	A00c	40711A00	STWD	44	47	3	-9	61,162.852	4,961.277	3	-9.3
6840,295521	4494,745642		40711A00	STWD	26	6840,296	5110,783		57	A	A00c	40711A00	STWD	38	34	-4	-12	61,162.852	4,961.277	-5	-13.1
4740,643837	3675,06236		40738K90	STWD	22	4740,644	3677,842		85	K	K90c	40738K90	STWD	29	22	-7	-7	61,162.852	4,961.277	-7	-5.5
7074,603288	4229,504779		40746K45	STWD	49	7074,603	3291,937		95	K	K45a	40746K45	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6761,292691	4177,507125		40746K45	STWD	49	6761,293	3288,385		89	K	K45b	40746K45	STWD	40	38	-2	9	61,162.852	4,961.277	-3	9.7
9609,371523	4096,021379		40762A07	EGWD	49	9609,272	4466,168		1	A	A07d	40762A07	EGWD					61,162.852	4,961.277		
7744,995822	4581,562157		40762A07	STWD	36	7744,996	5114,138		47	A	A07d	40762A07	STWD	43	39	-4	-7	61,162.852	4,961.277	-5	-5.5
4000,58306	3370,765405		40797N68	STWD	13	4000,583	3199,157		29	N	N68l	40797N68	STWD	11	14	3	2	61,162.852	4,961.277	3	2.1
7686,447338	4203,471084		40819E21	STWD	49	7686,447	2994,65		273	E	E21b	40819E21	STWD	47	45	-2	2	61,162.852	4,961.277	-3	2.1
6206,29339	3992,051238		40843K54	STWD	48	6206,293	3215,406		70	K	K54c	40843K54	STWD	39	35	-4	9	61,162.852	4,961.277	-5	9.7
5128,45803	3455,925903		40894N65	EGWD	34	5128,458	3406,784		24	N	N65b	40894N65	EGWD	26	33	7	8	61,162.852	4,961.277	7	9.7
7000,048479	4038,287653		40916K52	STWD	49	7000,048	2949,976		92	K	K52b	40916K52	STWD	44	42	-2	5	61,162.852	4,961.

8286,27451	4709,078881	[redacted]	41149N73I EGWO	46	8286,275	4760,284	[redacted]	2	N	N73h	41149N73I EGWO	43	45	2	3	61,162.852	4,961.277	1	2.1
7155,371874	4158,886924		41165N62I EGWO	46	7155,372	3890,61		35	N	N62h	41165N62I EGWO	40	42	2	6	61,162.852	4,961.277	1	5.9
7431,026145	4361,79258		41289A04I STWO	44	7431,026	4144,765		31	A	A04h	41289A04I STWD	43	41	2	1	61,162.852	4,961.277	3	2.1
4815,82185	2606,370263		41297N61I EGWO	46	4815,822	2272,955		31	N	N61h	41297N61I EGWO	40	43	3	6	61,162.852	4,961.277	3	5.9
5208,087776	3811,329611		41297N61I STWO	40	5208,088	3081,147		58	N	N61h	41297N61I STWD	27	22	-5	13	61,162.852	4,961.277	-5	13.5
3345,18084	2413,464727		41319T94I EGWO	28	3345,181	2412,256		36	T	T94i	41319T94I EGWO	29	28	-1	-1	61,162.852	4,961.277	-1	-1.7
3613,710636	3362,546867		41319T94I STWO	7	3613,711	3698,629		9	T	T94i	41319T94I STWD	8	8	0	-1	61,162.852	4,961.277	-1	-1.7
4129,493359	2745,878852		41319T94J EGWO	25	4129,493	3516,621		3	T	T94j	41319T94J EGWO	26	29	3	-1	61,162.852	4,961.277	3	-1.7
3264,778159	2412,683003		41319T94k EGWO	28	3264,778	2364,413		19	T	T94k	41319T94k EGWO	26	26	0	2	61,162.852	4,961.277	-1	2.1
4061,062521	3553,82136		41319T94k STWO	5	4061,063	3943,39		22	T	T94k	41319T94k STWD	5	12	7	0	61,162.852	4,961.277	7	-1.7
6344,444444	3853,100983		41335F11d STWO		6344,444	2401,38		1	F	F11d	41335F11d STWD					61,162.852	4,961.277		
3995,144462	3608,000058		41440T93t STWO	5	3995,144	4282,956		155	T	T93b	41440T93t STWD	5	6	1	0	61,162.852	4,961.277	1	-1.7
3680,669577	3643,052224		41483T93t STWO	5	3680,67	4182,408		80	T	T93b	41483T93t STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
4019,607843	2962,754622		41491F11a EGWO		4019,608	3350,28		2	F	F11a	41491F11a EGWO					61,162.852	4,961.277		
8481,481481			41572A09I EGWO	42	8481,481			1	A	A09i	41572A09I EGWO		48			61,162.852			
6841,792826	3954,941081		41572A09I STWO	37	6841,793	3516,907		165	A	A09i	41572A09I STWD	38	36	-2	-1	61,162.852	4,961.277	-3	-1.7
6378,926996	4556,837758		41610T93f STWO	6	6378,927	4153,814		357	T	T93f	41610T93f STWD		5			61,162.852	4,961.277		
4765,108913	2691,093604		41629N74I EGWO	48	4765,109	2455,785		55	N	N74c	41629N74I EGWO	42	43	1	6	61,162.852	4,961.277	1	5.9
5241,97253	3627,668733		41665T94J EGWO	35	5241,973	3551,019		510	T	T94j	41665T94J EGWO	36	39	3	-1	61,162.852	4,961.277	3	-1.7
4394,853368	3983,212566		41665T94J STWO	6	4394,853	3475,237		3	T	T94j	41665T94J STWD	5	6	1	1	61,162.852	4,961.277	1	2.1
3457,142857	2394,555401		41688T94S EGWO	31	3457,143	2390,44		6	T	T94b	41688T94S EGWO	26	31	5	5	61,162.852	4,961.277	5	5.9
3602,455757	3205,518491		41688T94S STWO	14	3602,456	2475,985		2	T	T94b	41688T94S STWD	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3685,451875	2768,778601		41750T98a EGWO	21	3685,452	2879,146		20	T	T98a	41750T98a EGWO	21	24	3	0	61,162.852	4,961.277	3	-1.7
3527,960801	2529,875357		41815T93i EGWO	26	3552,679	2556,509		74	T	T93i	41815T93i EGWO	21	27	6	5	61,162.852	4,961.277	5	5.9
3311,407407			41858N74I STWO		3311,407			135	N	N74b	41858N74I STWD					61,162.852			
4716,666667	2930,560533		41866T98a EGWO	25	4716,667	3533,61		1	T	T98a	41866T98a EGWO	24	27	3	1	61,162.852	4,961.277	3	2.1
4116,54532	3523,824297		41866T98a STWO	19	4116,545	3523,298		9	T	T98a	41866T98a STWD	18	14	-4	1	61,162.852	4,961.277	-5	2.1
5821,710683	3287,61549		41912N67i EGWO	41	5821,711	3302,508		137	N	N67a	41912N67i EGWO	39	43	4	2	61,162.852	4,961.277	4	2.1
3520,642755	2679,300822		41920T94k EGWO	23	3520,643	2716,777		593	T	T94k	41920T94k EGWO	21	24	3	2	61,162.852	4,961.277	3	2.1
3942,676768	3785,894849		41920T94k STWO	7	3942,677	3303,253		3	T	T94k	41920T94k STWD	5	12	7	7	61,162.852	4,961.277	7	2.1
3164,943059	2649,083267		41947T94e EGWO	13	3164,943	2786,299		380	T	T94e	41947T94e EGWO	14	17	3	-1	61,162.852	4,961.277	3	-1.7
2539,077918	3145,333261		41963T94c STWO	5	2539,078	2915,34		218	T	T94d	41963T94c STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
4356,69199	3083,276055		42005T98a EGWO	28	4356,692	3144,85		20	T	T98a	42005T98a EGWO	25	29	4	3	61,162.852	4,961.277	3	2.1
31609,10511	8441,24657		42013N69i EGWO	44	31609,11	6630,774		40	N	N69c	42013N69i EGWO	35	41	6	9	61,162.852	10,706.821	5	9.7
3527,812659	3229,894936		42013N69i STWO	11	3527,813	3180,917		640	N	N69c	42013N69i STWD	13	10	-3	-2	61,162.852	4,961.277	-3	-1.7
2017,491402			42188F11f STWO		2017,493			135	F	F11f	42188F11f STWD					61,162.852			
4491,888682	3436,121417		42218N69j STWO	22	4491,889	3509,085		34	N	N69j	42218N69j STWD	21	24	3	1	61,162.852	4,961.277	3	2.1
1956,521739	3217,826459		42315F11d STWO		1956,522	3321,63		1	F	F11d	42315F11d STWD					61,162.852	4,961.277		
6834,979926	4187,579325		42382N67i EGWO	34	6834,98	4415,03		27	N	N67a	42382N67i EGWO	35	38	3	-1	61,162.852	4,961.277	3	-1.7
3654,184187	2808,606622		42439T98a EGWO	22	3654,184	2885,081		22	T	T98a	42439T98a EGWO	19	24	5	3	61,162.852	4,961.277	5	2.1
3677,300183	2750,084142		42463T58a EGWO	25	3677,3	2751,41		15	T	T58a	42463T58a EGWO	21	25	4	4	61,162.852	4,961.277	3	2.1
6791,575092	3427,715795		42536N73I EGWO	46	6791,575	3531,497		2	N	N73h	42536N73I EGWO	43	45	2	3	61,162.852	4,961.277	1	2.1
3875,640506	2585,351266		42544T98a EGWO	30	3875,641	2712,885		37	T	T98a	42544T98a EGWO	29	32	3	1	61,162.852	4,961.277	3	2.1
4013,157895	3412,886847		42544T98a STWO	24	4013,158	2647,38		2	T	T98a	42544T98a STWD	17	19	2	7	61,162.852	4,961.277	1	5.9
5410,526316	3838,505644		42552N68i EGWO		5410,526	4393,71		1	N	N68a	42552N68i EGWO					61,162.852	4,961.277		
7590,875576			42579K44c EGWO	49	7590,876	3316,924		2	K	K44d	42579K44c EGWO	49	49	0	0	61,162.852		-1	-1.7
6727,664286	4198,776871		42579K44c STWO	49	6727,664	3182,047		146	K	K44d	42579K44c STWD	42	39	-3	7	61,162.852	4,961.277	-3	5.9
7016,129032	3806,686064		42579K44f EGWO		7016,129	4403,83		1	K	K44f	42579K44f EGWO					61,162.852	4,961.277		
3306,285527	3623,842382		42641T93f STWO	5	3306,286	3415,486		136	T	T93f	42641T93f STWD		5			61,162.852	4,961.277		
3872,028455	2670,22529		42692T93t EGWO	24	3872,028	2948,62		33	T	T93b	42692T93t EGWO	24	32	8	0	61,162.852	4,961.277	7	-1.7
3839,584864	3319,892709		42692T93t STWO	10	3839,585	3278,298		8	T	T93b	42692T93t STWD	11	11	0	-1	61,162.852	4,961.277	-1	-1.7
3568,023982	2646,554539		42706T93t EGWO	19	3568,024	2884,605		21	T	T93b	42706T93t EGWO	23	26	3	-4	61,162.852	4,961.277	3	-5.5
4769,006288	4060,465127		42838A09E STWO	27	4769,006	4694,563		187	A	A09b	42838A09E STWD	32	29	-3	-5	61,162.852	4,961.277	-3	-5.5
4961,387555	3560,027441		42854A09E STWO	28	4961,388	3511,547		98	A	A09b	42854A09E STWD	33	28	-5	-5	61,162.852	4,961.277	-5	-5.5
5331,017225	3727,203889		42870A09E STWO	29	5331,017	3801,951		44	A	A09b	42870A09E STWD	32	30	-2	-3	61,162.852	4,961.277	-3	-1.7
3281,317031	3314,383142		43087T94J STWO	6	3281,317	3426,852		400	T	T94j	43087T94J STWD	5	6	1	1	61,162.852	4,961.277	1	2.1
4805,666504	2884,111616		43095N70E EGWO	43	4805,667	2755,982		8	N	N70b	43095N70E EGWO	40	40	0	3	61,162.852	4,961.277	-1	2.1
4781,704733	2738,136723		43109N70I EGWO	48	4781,705	2457,831		21	N	N70b	43109N70I EGWO	43	43	0	5	61,162.852	4,961.277	-1	5.9
5206,349206	3935,607852		43109N70I STWO	26	5206,349	3790,738		2	N	N70b	43109N70I STWD	18	19	1	8	61,162.852	4,961.277	1	9.7
3739,620399	3379,512571		43168T94t STWO	7	3739,62	3587,317		24	T	T94b	43168T94t STWD	7	10	3	2	61,162.852	4,961.277	3	2.1
5058,453763	3809,158749		43281A09E STWO	28	5058,454	3795,604		176	A	A09b	43281A09E STWD	33	28	-5	-5	61,162.852	4,961.277	-5	-5.5
5203,128514	3740,958475		43303A09E STWO	27	5203,129	3793,296		81	A	A09b	43303A09E STWD	30	28	-2	-3	61,162.852	4,961.277	-3	-1.7
5336,310266	3720,31378		43311A09E STWO	28	5336,31	3864,207		58	A	A09b	43311A09E STWD	32	30	-2	-4	61,162.852	4,961.277	-3	-5.5
3876,995444	3575,807169		43338N70t STWO	5	3876,995	3861,838		128	N	N70c	43338N70t STWD	9	8	-1	-4	61,162.852	4,961.277	-1	-5.5
4612,13246	2706,992316		43338N70t EGWO	45	4612,132	2534,165		17	N	N70d	43338N70t EGWO	38	41	3	7	61,162.852	4,961.277	3	5.9
3662,062253	3484,89311		43346N70t STWO	5	3662,062	3723,653		104	N	N70c	43346N70t STWD	7	8	1	-2	61,162.852	4,961.277	1	-1.7
3816,702182	3552,386329		43354N70t STWO	5	3816,702	3816,26		64	N	N70c	43354N70t STWD	11	9	-2	-6	61,162.852	4,961.277	-3	-5.5
2817,72728	2642,196749		43362N70t STWO	5	2817,727	3795,628		186	N	N70c	43362N70t STWD	11	8	-3	-9	61,162.852	4,961.277	-3	-5.5
3613,549858	3464,087848		43370N70t STWO	5	3613,55	3694,969		96	N	N70c	43370N70t STWD	10	8	-2	-5	61,162.852	4,961.277	-3	-5.5
3903,100953	3569,82206		43389N70c STWO	5	3903,101	3829,78		64	N	N70c	43389N70c STWD	10	9	-1	-5	61,162.852	4,961.277	-1	-5.5
4781,447503	2863,643981		43400N70t EGWO	44	4781,448	2684,87		5	N	N70d	43400N70t EGWO	36	40	4	8	61,162.852	4,961.277	3	9.7
3714,959444	2557,315928		43419N70t EGWO	38	3714,959	2524,179		25	N	N70d	43419N70t EGWO	36	35	-1	2	61,162.852	4,961.277	-1	2.1
3689,360566	3578,652944		43478N70t STWO	5	3689,361	3881,841		71	N	N70d	43478N70t STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
3867,030213	3615,171754		43486N70t STWO	5	3867,03	3904,055		68	N	N70d	43486N70t STWD	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
3596,485215	3467,120828		43494N70t STWO	5	3596,485	3682,425		87	N	N70d	43494N70t STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
3873,881106	3642,8751		43508N70t STWO	5	3873,881	3965,123		65	N	N70d	43508N70t STWD	7	7	0	-2	61,162.852	4,961.277	-1	-1.7
3808,438873	3559,034911		43516N70t STWO	5	3808,439	3797,661		38	N	N70d	43516N70t STWD	7	7	0	-2	61,162.852	4,961.277	-1	-1.7
3544,80558	3431,510776		43524N70t STWO	5	3544,806	3615,968		72	N	N70d	43524N70t STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
3808,655323	3538,187965		43532N70t STWO	5	3808,655	3775,832		55	N	N70d	43532N70t STWD	8	7	-1	-3	61,162.852	4,961.277	-1	-1.7
4866,690437	2773,773354		43540N70t EGWO	46	4866,69	2605,875		28	N	N70d	43540N70t EGWO	41	43	2	5	61,162.852	4,961.277	1	5.9
6636,792453	3681,999053		43559N70t EGWO		6636,792	3499,455		28	N	N70c	43559N70t EGWO					61,162.852	4,961.277		
3653,061224			43656T95t EGWO		3653,061			1	T	T95b	43656T95t EGWO					61,162.852			
3376,785714	3140,879189		43664T95a STWO	5	3376,786	2295,875		2	T	T95a	43664T95a STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3345,218815	3434,49917		43788T96t STWO	5	3345,219	3769,274		52	T	T96b	43788T96t STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3277,514188	3821,614662		43796T96E STWO	5	3277,514	3768,653		44	T	T96b	43796T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3422,985714	3450,444469		43877T96E STWO	5	3422,986	3811,271		43	T	T96b	43877T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3416,15981	3524,06504		43885T96E STWO	5	3416,16	3869,282		19	T	T96b	43885T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3504,462997	3510,619467		43893T96E STWO	5	3504,463	3934,699		28	T	T96b	43893T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3302,584285	3427,775626		43923T96E STWO	5	3302,984	3753,629		37	T	T96b	43923T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3332,408043	3413,536292		43931T96E STWO	5	3332,408	3773,809		23	T	T96b	43931T96E STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
6510,012948	4069,619942		43966A01E STWO	37	6510,013	3740,551		9	A	A01e	43966A01E STWD	41	37	-4	-4	61,162.852	4,961.277	-5	-5.5
6828,638685	4136,133978		43982A00E STWO	35	6828,639	3654,53		8	A	A00a	43982A00E STWD	43	39	-4	-8	61,162.852	4,961.277	-5	-9.3
6168,740741	3527,608829		44008A01E EGWO	33	6168,741	4427,959		2	A	A01e	44008A01E EGWO	42	44	2	-9	61,162.852	4,961.277	1	-9.3
3728,150595	3593,903998		44024T94J STWO	6	3728,151	3567,289		429	T	T94j	44024T94J STWD	5	7	2	1	61,162.852	4,961.277	1	2.1
5835,960679	3897,312074		44067M55 STWO	34	5835,961	3828,407		8	M	M55c	44067M55 STWD	30	33	3	4	61,162.852	4,961.277	3	2.1
3868,398501	4050,029627		44121T92E STWO	7	3868,399	3812,401		349	T	T92d	44121T92E STWD	5	5	0	2	61,162.852	4,961.277	-1	2.1
5055,535109	3759,401714		44245A09E STWO	22	5055,935	4045,84		22	A	A09b	44245A09E STWD	30	26	-4	-8	61,162.852	4,961.277	-5	-9.3
3704,067096	3477,392879		44288F81a STWO	6	3704,067	3534,724		32	F	F81a	44288F81a STWD	9	6	-3	-3	61,162.852	4,961.277	-3	-1.7
7638,095238	3993,015023		44296A04c EGWO	41	7638,095	4610,126		1	A	A04e	44296A04c EGWO	47	48	1	-6	61,162.852	4,961.277	1	-5.5
6345,718297	4335,08741		44296A04e STWO	39	6345,718	3701,286		14	A	A04e	44296A04e STWD	35	32	-3	-4	61,162.852	4,961.277	-3	2.1
5361,602806	3804,823947		44369F88c EGWO		5361,603	3706,225		2	F	F88c	44369F88c EGWO					61,162.852	4,961.277		
4914,42728	2840,053116		44393N70t EGWO	44	4914,427	2735,97		66	N	N70d	44393N70t EGWO	39	41	2	5	61,162.852	4,961.277	1	5.9
4723,588937	2789,391877		44407N70t EGWO	44	4723,989	2647,478		32	N	N70d	44407N70t EGWO	39	41	2	5	61,162.852	4,961.277	1	5.9
4817,311674	2810,233485		44415N70t EGWO	45	4817,312	2652,977		35	N	N70d	44415N70t EGWO	40	42	2	5	61,162.852	4,961.277	1	5.9
4310,450281	3808,210253		44458F89c STWO	16	4310,45	3628,318		148	F	F89d	44458F89c STWD	14	12	-2	2	61,162.852	4,961.277	-3	2.1
7575,547398	3849,905696		44504E40a STWO	49	7575,547	3924,627		142	E	E40a	44504E40a STWD	41	39	-2	8	61,162.852	4,961.277	-3	9.7
3251,727638	2480,323856		44512T97c EGWO	21	3251,728	2552,094		63	T	T97d	44512T97c EGWO	21	24	3	0	61,162.852	4,961.277	3	-1.7
3612,206329	2533,368581		44539T96c EGWO	29	3612,206	2564,948		342	T	T96c	44539T96c EGWO	26	30	4	3	61,162.852	4,961.277	3	2.1
3529,905507	3317,594368		44539T96C STWO	24	3529,906	2604,623		75	T	T96c	44539T96C STWD	8	7	-1	16	61,162.852	4,961.277	-1	17.3
6274,447725	3101,405121		44547T96c EGWO	28	6274,448	2964,552		318	T	T96c	44547T96c EGWO	25	29	4	3	61,162.852	4,961.277	3	2.1
3619,972335	3731,220899		44547T96C STWO	15	3619,972	3263,247		48	T	T96c	44547T96C STWD	8	6	-2	7	61,162.852	4,961.277	-3	5.9
3690,453195	2573,61212		44555T96c EGWO	29	3690,453	2632,609		134	T	T96c	44555T96c EGWO	24	30	6	5	61,162.852	4,961.277	5	5.9
3932,509105	3877,25541		44555T96C STWO	15	3932,509	3452,551		5	T	T96c	44555T96C STWD	8	6	-2	7	61,162.852	4,961.277	-3	5.9
3118,780995	3308,597638		44563T95a STWO	5	3118,781	3471,327		450	T	T95a	44563T95a STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3300,860826	3334,701003		44571T95a STWO	5	3300,861	3515,719		400	T	T95a	44571T95a STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3343,174614	3412,434567		44598T95a STWO	5	3343,175	3631,535		331	T	T95a	44598T95a STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3139,245225	3325,398334		44628T95a STWO	5	3139,245	3440,914		301	T	T95a	44628T95a STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
8058,287676	4448,157692		44679K23c STWO	47	8058,288	4132,434		174	K	K23a	44679K23c STWD	46	45	-1	1	61,162.852	4,961.277	-1	2.1
2905,852353	3108,28751		44717T92E STWO		2905,882	2488,51		1	T	T92e	44717T92E STWD					61,162.852	4,961.277		
4235,294118	2853,466188		44741F11e EGWO		4235,294	3187,07		2	F	F11e	44741F11e EGWO					61,162.852	4,961.277		
5257,418745	3916,999269		44776E13c STWO	35	5257,419	4174,235		17	E	E13d	44776E13c STWD	31	28	-3	4	61,162.852	4,961.277	-3	2.1
3276,701146	3463,913173		44792T93f STWO	5	3276,701	3877,044		245	T	T93f	44792T93f STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
8103,565541	4299,380443		44814A00c EGWO	36	8103,566	5085,659		3	A	A00e	44814A00c EGWO	44	46	2	-8	61,162.852	4,961.277	1	-9.3
7026,312405	4287,611581		44814A00E STWO	34	7026,312	4602,455		4	A	A00e	44814A00E STWD	42	36	-6	-8	61,162.852	4,961.277	-7	-9.3
6605,178662	3980,765393		44873M30 STWO	49	6605,179	3061,015		51	M	M30b	44873M30 STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9
6978,120766	4368,67928		44962A01E STWO	33	6978,121	4661,481		7	A	A01e	44962A01E STWD	39	37	-2	-6	61,162.852	4,961.277	-3	-5.5
6870,955465	3909,81343		45160A05c EGWO	49	6870,955	4007,999		20	A	A05a	45160A05c EGWO		49			61,162.852	4,961.277		
7519,564732	4391,507417		45160A05c STWO	44	7519,565	4239,441		218	A	A05a	45160A05c STWD	44	42	-2	0	61,162.852	4,961.277	-3	-1.7
7238,212406	4483,110534		45829A08c STWO	35	7238,212	4720,259		21	A	A08a	45829A08c STWD	40	38	-2	-5	61,162.852	4,961.277	-3	-5.5
4685,059677	3583,846972		45837M31 STWO	33	4685,06	3088,911		57	M	M31c	45837M31 STWD	27	27	0	6	61,162.852	4,961.277	-1	5.9
6895,798038	4277,120852		45942K24c STWO	47	6895,798	4805,001		20	K	K24d	45942K24c STWD	39	36	-3	8	61,162.852	4,961.277	-3	9.7
5496,897479	3876,441608		45950M27 STWO	46	5496,897	3996,843		42	M	M27b	45950M27 STWD	37	34	-3	9	61,162.852	4,961.277	-3	9.7
3773,935385	2560,664237		45977P78d EGWO	35	3773,935	2454,497		6	F	F78d	45977P78d EGWO	26	32	6	9	61,162.852	4,961.277	5	9.7
3445,615748	3232,23536		46027T96C STWO	13	3445,616	2596,01		57	T	T96d	46027T96C STWD	9	8	-1	4	61,162.852	4,961.277	-1	2.1
3194,166422	3184,1745		46035T96C STWO	5	3194,166	3236,469		96	T	T96d	46035T96C STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
3143,287328	3187,416769		46051T96C STWO	5	3143,287	3254,397		62	T	T96d	46051T96C STWD	6	5	-1	-1	61,162.852	4,961.277	-1	-1.7
3507,305802	3509,852227		46078T96C STWO	5	3507,306	3650,633		75	T	T96d	46078T96C STWD	6	6	0	-1	61,162.852	4,961.277	-1	-1.7
3767,311537	3496,790465		46086T96C STWO	8	3767,312	2851,276		57	T	T96d	46086T96C STWD	6	6	0	2	61,162.852	4,961.277	-1	2.1
3462,237267	3305,643612		46116T96C STWO	6	3462,237	3412,17		20	T	T96d	46116T96C STWD	6	6	0	0	61,162.852	4,961.277	-1	-1.7
3532,088138	3471,16367		46116T96E STWO	6	3532,088	3381,305		30	T	T96e	46116T96E STWD	6	6	0	0	61,162.852	4,961.277	-1	-1.7
3489,541412	3302,451077		46132T96C STWO	6	3489,541	3404,337		60	T	T96d	46132T96C STWD	7	7	0	-1	61,162.852	4,961.277	-1	-1.7
3488,492686	3441,762701		46132T96E STWO	6	3488,493	3342,536		79	T	T96e	46132T96E STWD	6	5	-1	0	61,162.852	4,961.277	-1	-1.7
3276,067411	3279,088093		46140T96C STWO	7	3276,067	3089,791		62	T	T96d	46140T96C STWD	6	6	0	1	61,162.852	4,961.277	-1	2.1
3478,66681	3455,322881		46159T96C STWO	6	3478,667	3337,62		40	T	T96e	46159T96C STWD	5	5	0	1	61,162.852	4,961.277	-1	2.1
3372,593687	3370,296059		46167T96C STWO	6	3372,594	3299,309		55	T	T96d	46167T96C STWD	6	6	0	0	61,162.852	4,961.277	-1	-1.7
3406,123329	3442,613136		46183T96C STWO	5	3406,123	3303,213		49	T	T96d	46183T96C STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7
3627,640124	3352,443796		46191T96E STWO	8	3627,64	3376,401		107	T	T96e	46191T96E STWD	6	6	0	2	61,162.852	4,961.277	-1	2.1
3267,421107	3281,669304		46205T96E STWO	6	3262,421	3227,58	

6750,818139	4141,045941	[redacted]	47007A05c STWD	39	6750,818	3682,877	[redacted]	2	A	A05c	47007A05c STWD	39	38	-1	0	61.162.852	4,961.277	-1	-1,7
9516,507304	4194,075607		47015N54e EGWD	49	9516,507	4069,685		12	N	N54c	47015N54e EGWD	47	49	2	2	61.162.852	4,961.277	1	2,1
7218,218218	4406,531165		47023A04c STWD	35	7218,218	4193,989		4	A	A04c	47023A04c STWD	35	37	2	0	61.162.852	4,961.277	3	1,7
3352,651641	3446,261021		47066T97t STWD	5	3352,652	3775,102		38	T	T97b	47066T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3146,937426	3329,287907		47074T97t STWD	5	3146,937	3536,338		80	T	T97b	47074T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3251,326775	3447,147804		47082T97t STWD	5	3251,327	3771,053		84	T	T97b	47082T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3264,341045	3438,168648		47090T97t STWD	5	3264,341	3747,591		46	T	T97b	47090T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3411,005941	3529,73095		47104T97t STWD	5	3411,006	3926,977		100	T	T97b	47104T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3466,896591	3523,79644		47120T97a STWD	5	3466,897	3916,642		12	T	T97a	47120T97a STWD	5	6	1	1	61.162.852	4,961.277	1	-1,7
3255,674077	3456,552525		47139T97a STWD	5	3255,674	3837,837		40	T	T97a	47139T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3242,150371	3475,554608		47147T97a STWD	5	3254,417	3865,067		135	T	T97a	47147T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3455,172039	3481,377388		47155T97a STWD	5	3455,172	3807,665		90	T	T97a	47155T97a STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3372,800781	3466,735695		47163T97a STWD	5	3379,104	3791,737		132	T	T97a	47163T97a STWD	6	6	0	-1	61.162.852	4,961.277	-1	-1,7
2886,511064	2289,902248		47171T97a EGWD	26	3015,659	2294,286		8	T	T97a	47171T97a EGWD	24	26	2	2	61.162.852	4,961.277	1	2,1
3157,952891	3558,73095		47171T97b STWD	5	3431,006	3926,977		102	T	T97b	47171T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3523,30611	3587,330481		47201T97a STWD	5	3523,306	4047,82		198	T	T97a	47201T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3485,079584	3571,711049		47228T97a STWD	5	3485,08	4009,326		144	T	T97a	47228T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3754,223577	3552,232448		47236T97t STWD	5	3754,224	4322,954		47	T	T97b	47236T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3589,855984	3581,52884		47244T97t STWD	5	3589,856	3990,193		78	T	T97b	47244T97t STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3446,35922	3502,10616		47260T97t STWD	5	3446,359	3892,62		23	T	T97b	47260T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3256,36732	3456,657631		47279T97t STWD	5	3256,367	4077,413		125	T	T97b	47279T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
2772,280029	3248,785731		47295T97a STWD	5	2772,289	3070,765		162	T	T97a	47295T97a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3180,48209	3447,76722		47295T97t STWD	5	3180,482	3951,718		39	T	T97b	47295T97t STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3573,93612	2463,37458		47325F83a EGWD	33	3573,936	2385,419		26	F	F83a	47325F83a EGWD	29	31	2	4	61.162.852	4,961.277	1	2,1
2969,588551	3752,387605		47325F83a STWD	5	3969,589	3396,758		4	F	F83a	47325F83a STWD	7	5	-2	-2	61.162.852	4,961.277	-3	-1,7
7200,363895	4180,018968		47368A07c STWD	46	7200,364	3022,545		7	A	A07e	47368A07c STWD	46	40	-6	0	61.162.852	4,961.277	-7	-1,7
3767,702102	3693,814685		47430T93a STWD	5	3767,702	4167,767		107	T	T93a	47430T93a STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3766,18047	3651,301366		47457T93a STWD	5	3766,367	4077,413		39	T	T93a	47457T93a STWD	5	6	1	1	61.162.852	4,961.277	1	-1,7
3795,757407	3622,207279		47465T93a STWD	5	3795,757	4226,737		371	T	T93a	47465T93a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3755,522972	3633,848185		47473T93a STWD	5	3755,523	4169,062		166	T	T93a	47473T93a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3879,220606	3590,994522		47481T93a STWD	5	3879,221	4308,156		317	T	T93a	47481T93a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3743,37138	3610,647208		47503T93a STWD	5	3743,371	4246,441		198	T	T93a	47503T93a STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3645,18104	2523,23881		47511T93a EGWD	28	3645,181	2611,239		8	T	T93a	47511T93a EGWD	27	31	4	1	61.162.852	4,961.277	3	2,1
3888,624153	3704,90743		47511T93a STWD	5	3888,624	4207,302		94	T	T93a	47511T93a STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3837,340083	3557,870687		47538T93a STWD	5	3837,348	4142,742		189	T	T93a	47538T93a STWD	6	6	0	-1	61.162.852	4,961.277	-1	-1,7
3879,513201	3556,883456		47546T93t STWD	5	3879,513	4194,538		217	T	T93b	47546T93t STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3997,701195	3631,973985		47554T93t STWD	5	3997,701	4317,442		247	T	T93b	47554T93t STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
4094,14409	3687,645948		47562T93t STWD	5	4102,392	4408,916		138	T	T93b	47562T93t STWD	6	6	0	-1	61.162.852	4,961.277	-1	-1,7
3837,616317	3610,239939		47570T93t STWD	5	3848,138	4163,94		161	T	T93b	47570T93t STWD	5	6	1	1	61.162.852	4,961.277	1	-1,7
3900,599708	3648,520073		47588T93t STWD	5	3900,6	4303,924		164	T	T93b	47588T93t STWD	5	6	1	0	61.162.852	4,961.277	1	-1,7
3546,915533	3521,85041		47635F82d STWD	13	3546,916	3918,32		35	F	F82d	47635F82d STWD	12	11	-1	-1	61.162.852	4,961.277	-1	2,1
3639,916986	3578,137303		47643F82d STWD	13	3639,917	4206,075		35	F	F82d	47643F82d STWD	12	11	-1	-1	61.162.852	4,961.277	-1	2,1
3980,503729			47651F82c STWD	10	3980,504			70	F	F82c	47651F82c STWD	11	9	-2	-1	61.162.852		-3	-1,7
3601,722225	3591,481163		47686F82d STWD	13	3601,722	4174,732		35	F	F82d	47686F82d STWD	12	11	-1	1	61.162.852	4,961.277	-1	2,1
3568,430333	3561,244958		47708F82d STWD	13	3568,43	4066,186		28	F	F82d	47708F82d STWD	12	11	-1	1	61.162.852	4,961.277	-1	2,1
3632,084556	3597,436135		47716F82d STWD	13	3632,085	4198,423		21	F	F82d	47716F82d STWD	12	11	-1	1	61.162.852	4,961.277	-1	2,1
3506,817469	3558,145108		47724F82d STWD	13	3506,817	4159,896		35	F	F82d	47724F82d STWD	12	11	-1	1	61.162.852	4,961.277	-1	2,1
3898,278693	2685,715929		47732F81a EGWD	29	3898,283	2742,868		11	F	F81a	47732F81a EGWD	28	31	3	1	61.162.852	4,961.277	3	2,1
3516,946452	3408,2391		47732F81a STWD	8	3516,946	2811,863		29	F	F81a	47732F81a STWD	9	8	-1	-1	61.162.852	4,961.277	-1	-1,7
6872,21837	3532,775895		47740N73c EGWD	49	6872,218	3111,636		23	N	N73a	47740N73c EGWD	46	49	3	3	61.162.852	4,961.277	3	2,1
5141,344991	3948,245544		47775N61c STWD	30	5141,345	3714,132		199	N	N61a	47775N61c STWD	25	23	-2	5	61.162.852	4,961.277	-3	5,9
6588,651762	4366,255631		47783N61c STWD	40	6588,652	3782,19		12	N	N61a	47783N61c STWD	34	33	-1	6	61.162.852	4,961.277	-1	5,9
5533,232955	3646,798431		47791N61c STWD	39	5533,233	3364,075		21	N	N61a	47791N61c STWD	31	30	-1	8	61.162.852	4,961.277	-1	9,7
3534,050533	2771,588576		47805N61c EGWD		3534,051	2755,615		2	N	N61a	47805N61c EGWD					61.162.852	4,961.277		
5302,600095	3524,155927		47805N61c STWD	36	5302,6	3391,105		54	N	N61a	47805N61c STWD	30	29	-1	6	61.162.852	4,961.277	-1	5,9
5688,083802	3930,515721		47813N61c STWD	40	5688,084	3240,516		90	N	N61a	47813N61c STWD	33	31	-2	7	61.162.852	4,961.277	-3	5,9
5635,052559	4137,218945		47821N61c STWD	40	5635,053	3479,219		62	N	N61a	47821N61c STWD	32	30	-2	8	61.162.852	4,961.277	-3	9,7
5742,029126	3956,156605		47848N61c STWD	40	5742,029	3293,406		46	N	N61a	47848N61c STWD	32	31	-1	8	61.162.852	4,961.277	-1	9,7
5602,739473	4147,779476		47856N61c STWD	40	5602,739	3484,156		70	N	N61a	47856N61c STWD	32	30	-2	8	61.162.852	4,961.277	-3	9,7
5814,702567	3970,151931		47864N61c STWD	40	5814,703	3302,272		46	N	N61a	47864N61c STWD	32	31	-1	8	61.162.852	4,961.277	-1	9,7
5679,589819	3948,112921		47872N61c STWD	40	5679,59	3272,561		115	N	N61a	47872N61c STWD	32	31	-1	8	61.162.852	4,961.277	-1	9,7
5068,256316	3825,027021		47899N61c STWD	36	5068,256	3287,614		43	N	N61a	47899N61c STWD	28	25	-3	8	61.162.852	4,961.277	-3	9,7
3951,12782	2664,683263		47910T96a EGWD	28	3951,128	2834,561		14	T	T96g	47910T96a EGWD	28	32	4	0	61.162.852	4,961.277	3	-1,7
3779,787978	3559,903003		47910T96a STWD	15	3779,788	3588,98		6	T	T96g	47910T96a STWD	9	7	-2	6	61.162.852	4,961.277	-3	5,9
3655,57039	2623,017551		47929T96g EGWD	25	3655,57	2738,284		59	T	T96g	47929T96g EGWD	22	28	6	3	61.162.852	4,961.277	5	2,1
3801,450287	3487,833111		47929T96g STWD	20	3801,45	3285,704		63	T	T96g	47929T96g STWD	9	10	1	11	61.162.852	4,961.277	1	9,7
3779,028017	3482,657026		47988T96g STWD	21	3779,028	2969,278		14	T	T96g	47988T96g STWD	14	7	-1	12	61.162.852	4,961.277	-1	13,5
2475,697288	4549,170491		47996T96g EGWD	40	4475,697	4412,834		84	T	T96g	47996T96g EGWD	25	30	5	5	61.162.852	4,961.277	5	5,9
3601,743185	2516,617309		48003T96a EGWD	29	3601,743	2544,962		31	T	T96g	48003T96a EGWD	24	30	6	5	61.162.852	4,961.277	5	5,9
3754,001951	3487,339005		48003T96a STWD	21	3754,002	2970,388		12	T	T96g	48003T96a STWD	6	8	2	15	61.162.852	4,961.277	1	13,5
3697,952792	2492,483638		48011T96g EGWD	32	3697,953	2514,842		65	T	T96g	48011T96g EGWD	28	32	4	4	61.162.852	4,961.277	3	2,1
3511,188191	2448,509127		48046T96g EGWD	32	3511,188	2395,16		39	T	T96g	48046T96g EGWD	25	30	5	7	61.162.852	4,961.277	5	5,9
3664,046992	2577,211915		48054T96g EGWD	26	3664,047	2716,018		25	T	T96g	48054T96g EGWD	25	30	5	1	61.162.852	4,961.277	5	2,1
3662,276919	2476,528185		48062T96g EGWD	32	3662,277	2475,771		43	T	T96g	48062T96g EGWD	27	32	5	5	61.162.852	4,961.277	5	5,9
3806,316796	2794,256727		48070T96g EGWD	24	3806,317	2938,659		11	T	T96g	48070T96g EGWD	21	27	6	3	61.162.852	4,961.277	5	2,1
3794,166352	2656,624299		48100T96g EGWD	26	3794,166	2820,307		36	T	T96g	48100T96g EGWD	26	30	4	0	61.162.852	4,961.277	3	-1,7
4186,918285	2743,034524		48119T96g EGWD	28	4186,918	3001,733		11	T	T96g	48119T96g EGWD	30	35	5	-2	61.162.852	4,961.277	5	-1,7
3790,888056	2590,712156		48127T96g EGWD	28	3790,888	2725,01		55	T	T96g	48127T96g EGWD	29	32	3	-1	61.162.852	4,961.277	3	-1,7
6648,604965	4155,479958		48151K25c STWD	42	6648,605	4580,635		54	K	K25c	48151K25c STWD	38	35	-3	4	61.162.852	4,961.277	-3	2,1
6568,628024	4293,436892		48178K25c STWD	42	6568,628	4541,543		54	K	K25c	48178K25c STWD	38	35	-3	4	61.162.852	4,961.277	-3	2,1
4450,85428	3646,312274		48186F89a STWD	13	4450,485	4154,391		37	F	F89a	48186F89a STWD	15	13	-2	-2	61.162.852	4,961.277	-3	-1,7
4702,099835	3698,132096		48194F89a STWD	19	4702,1	3837,549		112	F	F89a	48194F89a STWD	19	18	-1	0	61.162.852	4,961.277	-1	-1,7
6140,613863	4117,567643		48208A09c STWD	36	6140,614	3684,886		20	A	A09c	48208A09c STWD	36	33	-3	0	61.162.852	4,961.277	-3	-1,7
6585,536085	4244,115586		48216A09c STWD	26	6585,536	5197,394		34	A	A09c	48216A09c STWD	35	33	-2	-9	61.162.852	4,961.277	-3	-9,3
5920,638103	4157,280075		48224A09c STWD	26	5920,638	5007,161		57	A	A09c	48224A09c STWD	30	28	-2	-6	61.162.852	4,961.277	-3	-5,5
5250,279483	3877,915497		48232N61c STWD	30	5250,279	4248,546		102	N	N61a	48232N61c STWD	24	23	-1	6	61.162.852	4,961.277	-1	5,9
4366,191042	3870,150947		48240N65c STWD	8	4366,192	3521,341		16	N	N65c	48240N65c STWD	14	11	-2	-6	61.162.852	4,961.277	-3	-5,5
4548,72625	3851,173589		48259N65c STWD	8	4548,726	4445,529		43	N	N65c	48259N65c STWD	11	11	0	-3	61.162.852	4,961.277	-1	-1,7
5376,812491	3094,861678		48275N65c EGWD	39	5376,812	3161,394		51	N	N65c	48275N65c EGWD	30	38	8	9	61.162.852	4,961.277	7	9,7
4243,595536	3745,42732		48275N65c STWD	8	4243,996	3955,563		32	N	N65c	48275N65c STWD	16	12	-4	-8	61.162.852	4,961.277	-5	-9,3
4463,601331	3836,051776		48283N65c STWD	8	4463,601	4187,999		82	N	N65c	48283N65c STWD	14	13	-1	-6	61.162.852	4,961.277	-1	-5,5
4350,614304	3800,704133		48291N65c STWD	8	4350,614	4318,309		30	N	N65c	48291N65c STWD	11	10	-1	-3	61.162.852	4,961.277	-1	-1,7
4324,854651	2891,382257		48305N65c EGWD	34	4324,855	2870,204		16	N	N65c	48305N65c EGWD	27	33	6	7	61.162.852	4,961.277	5	5,9
4359,836838	3734,005563		48305N65c STWD	8	4359,839	4017,953		105	N	N65c	48305N65c STWD	13	13	0	-5	61.162.852	4,961.277	-1	-5,5
4148,849751	2844,284372		48313N65c EGWD	31	4148,85	2864,265		32	N	N65c	48313N65c EGWD	28	31	3	3	61.162.852	4,961.277	3	2,1
4735,577035	3907,673505		48313N65c STWD	8	4735,577	4403,478		31	N	N65c	48313N65c STWD	16	16	0	-8	61.162.852	4,961.277	-1	-9,3
4597,17608	2943,962246		48321N65c EGWD	35	4597,176	2989,43		16	N	N65c	48321N65c EGWD	30	36	6	5	61.162.852	4,961.277	5	5,9
3498,357004	2555,574855		48348T96f EGWD	26	3498,357	2595,43		18	T	T96f	48348T96f EGWD	22	27	5	4	61.162.852	4,961.277	5	2,1
3365,929207	3461,665938		48356T96f STWD	5	3365,929	3633,199		115	T	T96f	48356T96f STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3557,34505	2555,000657		48372T96f EGWD	39	3557,345	2592,592		27	T	T96f	48372T96f EGWD	27	28	1	1	61.162.852	4,961.277	1	-1,7
3212,928567	3414,329327		48380T96f STWD	5	3212,929	3550,905		114	T	T96f	48380T96f STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3706,026899	2755,86516		48399T96f EGWD	24	3706,027	2822,533		54	T	T96f	48399T96f EGWD	20	26	6	4	61.162.852	4,961.277	5	2,1
4226,190476	3866,09225		48399T96f STWD	6	4226,19	3478,422		4	T	T96f	48399T96f STWD	5	6	1	1	61.162.852	4,961.277	1	2,1
3668,773825	2667,716409		48402T96f EGWD	26	3668,774	2729,909		32	T	T96f	48402T96f EGWD	22	27	5	4	61.162.852	4,961.277	5	2,1
4365,079365	3897,167188		48402T96f STWD	11	4365,079	3533,283		6	T	T96f	48402T96f STWD	6	11	5	5	61.162.852	4,961.277	5	5,9
3731,922366	2599,532674		48410T96f EGWD	26	3731,922	2777,454		36	T	T96f	48410T96f EGWD	22	28	6	4	61.162.852	4,961.277	5	2,1
4380,952381	3900,718609		48410T96f STWD	11	4380,952	3540,102		6	T	T96f	48410T96f STWD	6	11	5	5	61.162.852	4,961.277	5	5,9
3720,749183	2688,924692		48429T96f EGWD	25	3720,749	2772,027		66	T	T96f	48429T96f EGWD	22	28	6	3	61.162.852	4,961.277	5	2,1
4380,952381	3900,718609		48429T96f STWD	11	4380,952	3540,102		8	T	T96f	48429T96f STWD	6	11	5	5	61.162.852	4,961.277	5	5,9
3907,260333	2882,137401		48437T96f EGWD	23	3907,26	2999,743		10	T	T96f	48437T96f EGWD	22	26	4	1	61.162.852	4,961.277	3	2,1
3212,831385	2375,708371		48445T96f EGWD	26	3212,831	2348,865		38	T	T96f	48445T96f EGWD	21	26	5	5	61.162.852	4,961.277	5	5,9
3572,611163	2584,380523		48453T96f EGWD	25	3572,611	2663,982		17	T	T96f	48453T96f EGWD	23	28	5	2	61.162.852	4,961.277	5	2,1
3552,510636	2587,246998		48488T96f EGWD	26	3552,511	2637,46		58	T	T96f	48488T96f EGWD	21	27	6	5	61.162.852	4,961.277	5	5,9
3623,581834	2661,770813		48496T96f EGWD	25	3623,582	2700,587		10	T	T96f	48496T96f EGWD	19	26	7	6	61.162.852	4,961.277	7	5,9
3608,247423	3326,376628		48496T96f STWD	6	3608,247	3645,573		1	T	T96f	48496T96f STWD	5	6	1	1	61.162.852	4,961.277	1	2,1
6698,609579	4347,754437		48542A09t STWD	34	6698,61	4414,508		171	A	A09t	48542A09t STWD	37	35	-2	-3	61.162.852	4,961.277	-3	-1,7
5307,592198	3802,543664		48607M32 STWD	40	5307,592	3099,791		73	M	M32b	48607M32 STWD	32	28	-4	8	61.162.852	4,961.277	-5	9,7
3432,154703	2614,446533		48615T94c EGWD	20	3432,155	2755,359		18	T	T94d	48615T94c EGWD	20	23	3	0	61.162.852	4,961.277	3	-1,7
3692,948177	3576,572254		48615T94d STWD	5	3892,948	4246,733		173	T	T94d	48615T94d STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3697,066293	2647,5464		48631T94c EGWD	24	3697,066	2807,096		48	T	T94d	48631T94c EGWD	24	28	4	4	61.162.852	4,961.277	3	-1,7
3785,25641	3834,650987		48631T94c STWD	5	3785,256	4473,736		6	T	T94d	48631T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3857,843718	2702,533741		48658T94c EGWD	24	3857,844	2923,651		18	T	T94d	48658T94c EGWD	25	30	5	-1	61.162.852	4,961.277	5	-1,7
3929,487179	3866,921114		48658T94c STWD	5	3929,487	4518,841		6	T	T94d	48658T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3454,077889	3544,340529		48666T94c STWD	5	3454,078	3910,042		28	T	T94d	48666T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3590,53295	3571,051978		48674T94c STWD	5	3590,533	4106,973		161	T	T94d	48674T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3409,914712	2608,844444		48682T94c EGWD	20	3409,915	2750,245		18	T	T94d	48682T94c EGWD	17	23	6	3	61.162.852	4,961.277	5	2,1
3422,405641	3526,405784		48682T94c STWD	5	3422,406	3911,111		36	T	T94d	48682T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3540,512901	3547,368316		48690T94c STWD	5	3540,513	3916,76		20	T	T94d	48690T94c STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
3006,543484	3161,007963		48712T94m STWD	5	3006,943	3524,451		512	T	T94m	48712T94m STWD	5	5	0	0	61.162.852	4,961.277	-1	-1,7
5625,874107	3978,621396		48747K90c STWD	30	5625,874	4249,493		111	K	K90d	48747K90c STWD	30	26	-4	0	61.162.852	4,961.277	-5	-1,7
5824,835882	4152,365762		48755E13t STWD	22	5824,836	4639,97		12	E	E13b	48755E13t STWD	29	29	0	-7	61.162.852	4,961.277	-5	-5,5
5726,805221	3982,530991		48763E13t STWD	22	5726,805	4488,646		78	E	E13b	48763E13t STWD	31	28	-3	-9	61.162.852	4,961.277	-3	-9,3
5442,771254	3880,960433		48771E13t STWD	23	5442,771	4203,103		40	E	E13b	48771E13t STWD	33	28	-5	-10	61.162.852	4,961.277	-5	-9,3
5368,077629	3958,365684		48771E13c STWD	34	5368,078	4315,842		25	E	E13c	48771E13c STWD	36	29	-7	-2	61.162.852	4,961.277	-7	-1,7
5420,781894	3952,153534		48798E13t STWD	23	5420,782	4176,667		38	E	E13b	48798E13t STWD	37	27	-10	-14	61.162.852	4,961.277	-9	-13,1
6202,502715	4178,946147		48801E13c STWD	34	6228,46	4676,534		55	E	E13c	48801E13c STWD	36	31	-5	-2	61.162.852	4,961.277	-5	-1,7
6069,370278	4108,812381		48828E13t STWD	25	6069,37	4530,875		78	E	E13b	48828E13t STWD	36	31	-5	-11	61.162.852	4,961.277	-5	-9,3
6199,891589	4120,985538		48844E15c STWD	26	6219,41	4560,511		492	E	E15d	48844E15c STWD	33	31	-2	-7	61.162.852	4,961.277	-3	-5,5
3720,131594	3504,324839		48860T97c STWD	7	3720,132	3469,166		28	T	T97d	48860T97c STWD	5	7	2	2	61.162.852	4,961.277	1	2,1
3263,32403	2513,271078		48887T97c EGWD	20	3263,324	2608,867		19	T	T97d	48887T97c EGWD	20	23	3	0	61.162.852	4,961.277	3	-1,7
3577,907823	3422,569627		48887T97c STWD	7	3577,908	3362,772		28	T	T97d	48887T97c STWD	5	6	1	2	61.162.852	4,961.277	1	2,1
3370,468	2468,302561		48895T97c EGWD	26	3370,468	2402,082		78	T	T97d	48895T97c EGWD	22	27	5	4	61.162.852	4,961.277	5	2,1
3261,07453	2436,419353		48909T97c EGWD	24	3261,075	2478,615		44	T	T97d	48909T97c EGWD	20	25	5	4	61.162.852	4,961.277	5	2,1
3350,547869	2449,145713		48917T97c EGWD	26	3350,948	2475,21		56	T	T97d	48917T97c EGWD	22	27	5	4	61.162.852	4,961.277	5	2,



1838,126334	3443,581555	[redacted]	52639F84a STWD	24	3838,336	2837,975	[redacted]	22	F	F84a	52639F84a STWD	14	10	-4	10	61,162.852	4,961.277	-5	9.7
3971,751854	2583,059114		52647F84a EGWD	37	3971,752	2465,581		36	F	F84a	52647F84a EGWD	32	35	3	5	61,162.852	4,961.277	3	5.9
4068,855487	3400,730407		52647F84a STWD	24	4068,855	2658,289		6	F	F84a	52647F84a STWD	17	16	1	7	61,162.852	4,961.277	-1	5.9
3838,688366	2597,579711		52655F84a EGWD	33	3838,688	2572,226		44	F	F84a	52655F84a EGWD	31	32	1	2	61,162.852	4,961.277	1	2.1
3806,320461	3476,394607		52655F84a STWD	16	3806,32	3324,119		92	F	F84a	52655F84a STWD	14	9	-5	2	61,162.852	4,961.277	-5	2.1
4180,350977	2670,234011		52663F84a EGWD	37	4180,351	2619,285		38	F	F84a	52663F84a EGWD	33	36	3	4	61,162.852	4,961.277	3	2.1
3831,567485	2583,540015		52671F84a EGWD	36	3831,567	2431,603		36	F	F84a	52671F84a EGWD	30	33	3	6	61,162.852	4,961.277	3	5.9
3962,77085	3376,70127		52671F84a STWD	24	3962,771	2652,913		12	F	F84a	52671F84a STWD	18	15	-3	6	61,162.852	4,961.277	-3	5.9
3815,856681	3339,698221		52698F84a STWD	19	3815,856	2581,545		4	F	F84a	52698F84a STWD	13	11	-2	6	61,162.852	4,961.277	-3	5.9
3970,404412	3368,501146		52701F84a STWD	19	3970,404	2590,086		4	F	F84a	52701F84a STWD	13	11	-2	6	61,162.852	4,961.277	-3	5.9
3785,89939	3331,471253		52728F84a STWD	19	3785,899	2576,53		4	F	F84a	52728F84a STWD	13	11	-2	6	61,162.852	4,961.277	-3	5.9
4696,697916	2893,384703		52736F84a EGWD	35	4696,698	3042,771		19	F	F84a	52736F84a EGWD	34	38	4	1	61,162.852	4,961.277	3	2.1
5445,582043	4766,110537		52833F11f EGWD		5445,982	3621,639		212	F	F11f	52833F11f STWD					61,162.852	4,961.277		
5329,199017	4798,747462		52841F11f STWD		5329,199	3645,459		447	F	F11f	52841F11f STWD					61,162.852	4,961.277		
5371,428571	3761,098082		52868F11a STWD		5371,429	2787,138		2	N	F11a	52868F11a STWD					61,162.852	4,961.277		
7477,571822	4397,11285		53058A08c STWD	44	7477,572	4208,87		65	A	A08d	53058A08c STWD	46	42	-4	-2	61,162.852	4,961.277	-5	-1.7
6275,889429	4168,025908		53082A09c STWD	40	6275,889	3779,548		87	A	A09d	53082A09c STWD	36	33	-3	4	61,162.852	4,961.277	-3	2.1
5964,472322	3999,806424		53090A09c STWD	44	5964,472	3383,017		68	A	A09d	53090A09c STWD	37	34	-3	7	61,162.852	4,961.277	-3	5.9
6044,2582	4051,492219		53100A09c STWD	36	6044,251	3418,194		91	A	A09c	53100A09c STWD	38	33	-5	0	61,162.852	4,961.277	-3	-1.7
3866,27907	3216,298232		53120N72c STWD	43	3866,279	2157,19		1	N	N72a	53120N72c STWD					61,162.852	4,961.277		
4736,398308	2683,662166		53139N70b EGWD	48	4736,398	2469,011		12	N	N70d	53139N70b EGWD	39	43	4	9	61,162.852	4,961.277	3	9.7
6471,179075	4131,035102		53147K54c STWD	45	6506,596	3661,364		32	K	K54d	53147K54c STWD	41	38	-3	4	61,162.852	4,961.277	-3	2.1
5346,025406	3736,835173		53171M55 STWD	29	5346,025	3804,594		64	M	M55c	53171M55 STWD	30	30	0	-1	61,162.852	4,961.277	-1	-1.7
6020,735281	3937,555299		53198M55 STWD	36	6020,735	3877,029		16	M	M55c	53198M55 STWD	31	35	4	5	61,162.852	4,961.277	3	5.9
5699,279499	3872,694982		53201M55 STWD	32	5699,279	3838,725		45	M	M55c	53201M55 STWD	31	32	1	1	61,162.852	4,961.277	1	2.1
5872,868217	3898,876412		53236M55 EGWD	49	5872,868	2521,672		20	M	M55c	53236M55 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5944,96124	2938,607896		53244M55 EGWD	49	5944,961	2528,808		20	M	M55c	53244M55 EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5709,767587	3883,418484		53244M55 STWD	53	5709,768	3834,678		53	M	M55c	53244M55 STWD	30	32	2	21	61,162.852	4,961.277	3	2.1
5786,486373	3824,602741		53252M55 STWD	33	5786,486	3819,742		85	M	M55c	53252M55 STWD	33	34	1	0	61,162.852	4,961.277	1	-1.7
6744,640742	4196,50734		53279A09f STWD	35	6744,641	4571,435		28	A	A09h	53279A09f STWD	38	37	-1	-3	61,162.852	4,961.277	-1	-1.7
6945,612828	4357,798515		53287A09f STWD	36	6945,613	4358,712		27	A	A09h	53287A09f STWD	37	36	-1	-1	61,162.852	4,961.277	-1	-1.7
7019,143314	4369,772352		53295A09f STWD	35	7019,143	4595,678		23	A	A09h	53295A09f STWD	39	38	-1	-4	61,162.852	4,961.277	-1	-5.5
6628,75135	4075,105721		53317A09c STWD	36	6628,751	3979,629		138	A	A09c	53317A09c STWD	37	38	1	-1	61,162.852	4,961.277	1	-1.7
6098,104729	4006,948365		53325A09c STWD	36	6098,105	3521,971		64	A	A09c	53325A09c STWD	35	34	-1	1	61,162.852	4,961.277	-1	2.1
3924,585579	2650,830455		53341F79b EGWD	31	3924,583	2724,23		30	F	F79b	53341F79b EGWD	27	32	5	4	61,162.852	4,961.277	5	2.1
4089,856097	3705,089461		53341F79c STWD	7	4089,856	3911,757		74	F	F79b	53341F79c STWD	12	9	-3	-5	61,162.852	4,961.277	-3	-5.5
4274,829538	2872,118311		53368F79b EGWD	32	4274,83	2884,739		16	F	F79b	53368F79b EGWD	35	33	-2	-3	61,162.852	4,961.277	-3	-1.7
4292,829401	2679,047496		53376F79b EGWD	32	4292,829	2823,257		60	F	F79b	53376F79b EGWD	30	36	6	2	61,162.852	4,961.277	5	2.1
4445,187293	3446,531518		53376F79c STWD	10	4445,187	2622,098		3	F	F79b	53376F79c STWD	13	12	-1	-3	61,162.852	4,961.277	-1	-1.7
4244,108557	2692,847752		53384F79b EGWD	29	4244,109	3021,366		48	F	F79b	53384F79b EGWD	28	34	6	1	61,162.852	4,961.277	5	2.1
3849,644381	3313,285016		53384F79c STWD	10	3849,644	2487,82		3	F	F79b	53384F79c STWD	13	12	-1	-3	61,162.852	4,961.277	-1	-1.7
4044,406591	2860,434117		53392F79b EGWD	30	4044,407	2940,629		46	F	F79b	53392F79b EGWD	25	32	7	5	61,162.852	4,961.277	7	5.9
4322,498717	2705,009961		53406F79b EGWD	36	4322,499	2558,218		47	F	F79b	53406F79b EGWD	31	37	6	5	61,162.852	4,961.277	5	5.9
4093,355045	2721,745625		53414F79b EGWD	31	4097,212	2750,442		42	F	F79b	53414F79b EGWD	30	34	4	1	61,162.852	4,961.277	3	2.1
4025,289821	2569,100998		53422F79b EGWD	35	4025,29	2601,559		92	F	F79b	53422F79b EGWD	31	36	5	4	61,162.852	4,961.277	5	2.1
4671,428571	3604,480319		53422F79c STWD	10	4671,429	2926,625		1	F	F79b	53422F79c STWD	13	12	-1	-3	61,162.852	4,961.277	-1	-1.7
3966,721717	2525,330505		53430F79b EGWD	38	3966,722	2480,841		108	F	F79b	53430F79b EGWD	31	36	5	7	61,162.852	4,961.277	5	5.9
4178,57429	3657,443869		53430F79c STWD	10	4178,573	3378,945		2	F	F79b	53430F79c STWD	13	12	-1	-3	61,162.852	4,961.277	-1	-1.7
3909,782682	2590,383054		53449F79b EGWD	34	3909,783	2567,139		120	F	F79b	53449F79b EGWD	30	34	4	4	61,162.852	4,961.277	3	2.1
4893,79845	3845,832137		53449F79c STWD	10	4893,798	3177,193		3	F	F79b	53449F79c STWD	13	12	-1	-3	61,162.852	4,961.277	-1	-1.7
4541,835692	2750,079886		53457F79b EGWD	38	4541,836	2804,299		23	F	F79b	53457F79b EGWD	32	39	7	6	61,162.852	4,961.277	7	5.9
4255,388387	2671,502065		53473F79b EGWD	37	4255,388	2707,947		20	F	F79b	53473F79b EGWD	35	37	2	2	61,162.852	4,961.277	1	2.1
4525,581395	3818,314959		53481F79c STWD	9	4525,581	4135,387		43	F	F79b	53481F79c STWD	14	16	2	-5	61,162.852	4,961.277	1	-5.5
4252,583067	2682,203981		53503F79b EGWD	34	4252,583	2798,128		13	F	F79b	53503F79b EGWD	33	37	4	1	61,162.852	4,961.277	3	2.1
4614,606061	3067,067431		53538F88b EGWD	32	4614,606	3252,726		14	F	F88b	53538F88b EGWD	28	33	5	4	61,162.852	4,961.277	5	2.1
4763,76869	3556,019491		53538F88c STWD	26	4763,769	3512,233		103	F	F88b	53538F88c STWD	26	25	-1	0	61,162.852	4,961.277	-1	-1.7
4486,241545	2855,162178		53546F88b EGWD	36	4486,242	2890,231		27	F	F88b	53546F88b EGWD	32	36	4	4	61,162.852	4,961.277	3	2.1
4512,193191	2866,842007		53554F88b EGWD	36	4512,193	2895,423		27	F	F88b	53554F88b EGWD	32	36	4	4	61,162.852	4,961.277	3	2.1
4341,807425	2594,521044		53562F88b EGWD	42	4341,807	2435,997		31	F	F88b	53562F88b EGWD	37	40	3	5	61,162.852	4,961.277	3	5.9
4789,546562	3489,698124		53570F88b STWD	28	4789,547	3381,542		92	F	F88b	53570F88b STWD	27	26	-1	1	61,162.852	4,961.277	-1	2.1
4336,446316	2587,636585		53589F88b EGWD	42	4336,446	2448,184		37	F	F88b	53589F88b EGWD	37	40	3	5	61,162.852	4,961.277	3	5.9
4488,516943	2895,035819		53597F88b EGWD	34	4488,517	2930,618		28	F	F88b	53597F88b EGWD	31	37	6	3	61,162.852	4,961.277	5	2.1
4476,993848	2848,566539		53600F88b EGWD	36	4476,994	2869,534		25	F	F88b	53600F88b EGWD	32	37	5	4	61,162.852	4,961.277	5	2.1
4859,440559	3119,282141		53619F88b EGWD	32	4859,441	3341,17		13	F	F88b	53619F88b EGWD	28	36	8	4	61,162.852	4,961.277	7	2.1
4444,497265	2845,066933		53635N67b EGWD	37	4444,497	2692,488		15	N	N67b	53635N67b EGWD	32	35	3	5	61,162.852	4,961.277	3	5.9
4572,008052	2822,762765		53643N67b EGWD	39	4572,008	2664,943		36	N	N67b	53643N67b EGWD	35	38	3	4	61,162.852	4,961.277	3	2.1
4390,848188	2735,841261		53651N67b EGWD	41	4390,848	2612,604		64	N	N67b	53651N67b EGWD	35	38	3	6	61,162.852	4,961.277	3	5.9
4720,791409	3457,890625		53659N67b EGWD	26	4720,791	2996,738		4	N	N67b	53659N67b EGWD	42	39	-3	4	61,162.852	4,961.277	-3	2.1
4072,02202	2727,655593		53686N67b EGWD	33	4072,022	2707,368		77	N	N67b	53686N67b EGWD	28	33	5	5	61,162.852	4,961.277	5	5.9
4427,846044	2677,068081		53694N67b EGWD	41	4427,846	2592,447		52	N	N67b	53694N67b EGWD	37	40	3	4	61,162.852	4,961.277	3	2.1
4156,85761	2749,466383		53708N67b EGWD	34	4156,858	2726,236		10	N	N67b	53708N67b EGWD	30	34	4	4	61,162.852	4,961.277	3	2.1
3933,703019	2712,715766		53716N67b EGWD	31	3933,703	2740,74		22	N	N67b	53716N67b EGWD	28	31	3	3	61,162.852	4,961.277	3	2.1
4162,010626	2769,408324		53724N67b EGWD	34	4162,011	2758,594		40	N	N67b	53724N67b EGWD	30	33	3	4	61,162.852	4,961.277	3	2.1
4216,666667	2857,443376		53732N67b EGWD	33	4216,667	2821,727		6	N	N67b	53732N67b EGWD	30	32	2	3	61,162.852	4,961.277	1	2.1
4144,894671	2772,990619		53740N67b EGWD	34	4144,895	2752,007		18	N	N67b	53740N67b EGWD	30	33	3	4	61,162.852	4,961.277	3	2.1
4484,598838	2791,476457		53767F77d EGWD	40	4484,594	2678,913		7	F	F77d	53767F77d EGWD	34	38	4	6	61,162.852	4,961.277	3	5.9
3755,635089	3523,092477		53767F77d STWD	6	3755,635	3678,459		51	F	F77d	53767F77d STWD	5	6	1	1	61,162.852	4,961.277	1	2.1
5416,205281	3724,773575		53791M33 STWD	29	5416,205	3764,845		81	M	M33g	53791M33 STWD	32	30	-2	-3	61,162.852	4,961.277	-3	-1.7
5012,360851	3728,015331		53805M33 STWD	23	5012,361	3833,681		105	M	M33g	53805M33 STWD	29	25	-4	-6	61,162.852	4,961.277	-5	-5.5
3415,879861	2416,978679		53848N66 EGWD	30	3415,88	2400,203		33	N	N66c	53848N66 EGWD	27	29	2	3	61,162.852	4,961.277	1	2.1
3584,56468	2447,863227		53856N66 EGWD	30	3584,562	2484,343		29	N	N66c	53856N66 EGWD	29	31	2	1	61,162.852	4,961.277	1	2.1
3565,217391	3152,697169		53856N66 STWD	33	3565,217	2188,21		2	N	N66c	53856N66 STWD	14	14	0	19	61,162.852	4,961.277	-1	17.3
3951,718644	2671,775088		53864N66 EGWD	30	3951,719	2773,411		71	N	N66c	53864N66 EGWD	27	32	5	3	61,162.852	4,961.277	5	2.1
3762,716606	3252,07049		53864N66 STWD	36	3762,717	2405,426		17	N	N66c	53864N66 STWD	13	13	0	23	61,162.852	4,961.277	-1	21.1
3927,796932	2672,376837		53872N66 EGWD	30	3927,797	2742,174		87	N	N66c	53872N66 EGWD	27	32	5	3	61,162.852	4,961.277	5	2.1
3833,35054	3307,555503		53872N66c STWD	35	3833,351	2498,998		25	N	N66c	53872N66c STWD	13	14	1	22	61,162.852	4,961.277	1	21.1
2295,229228	2418,83957		53880T93b EGWD	25	2295,229	2664,083		20	T	T93b	53880T93b EGWD	21	27	6	4	61,162.852	4,961.277	5	2.1
4009,455245	3632,169288		53899T93c STWD	5	4009,455	4042,004		44	T	T93b	53899T93c STWD	11	9	-2	-6	61,162.852	4,961.277	-3	-5.5
3553,352141	2542,080447		53902T93c EGWD	25	3553,352	2674,129		29	T	T93b	53902T93c EGWD	24	28	4	1	61,162.852	4,961.277	3	2.1
4963,469835	3690,558388		53937F87a STWD	28	4963,47	3524,953		356	F	F87a	53937F87a STWD	27	26	-1	1	61,162.852	4,961.277	-1	2.1
5001,713322	3630,473344		53945F87a STWD	31	5001,713	3448,745		123	F	F87a	53945F87a STWD	28	27	-1	3	61,162.852	4,961.277	-1	2.1
5051,706907	3667,468104		53953F87a STWD	31	5051,707	3448,873		255	F	F87a	53953F87a STWD	28	27	-1	3	61,162.852	4,961.277	-1	2.1
4024,716492	2786,999886		53988N66 EGWD	28	4024,716	2873,131		12	N	N66c	53988N66 EGWD	25	30	5	3	61,162.852	4,961.277	5	2.1
4190,07529	2857,307329		53996N66 EGWD	31	4190,074	2919,485		17	N	N66c	53996N66 EGWD	26	32	6	5	61,162.852	4,961.277	5	5.9
3549,368646	2404,823505		54003N66 EGWD	33	3549,369	2354,895		58	N	N66c	54003N66 EGWD	30	32	2	3	61,162.852	4,961.277	1	2.1
3502,258282	2394,807286		54011N66 EGWD	31	3502,258	2333,064		19	N	N66c	54011N66 EGWD	34	32	-2	-3	61,162.852	4,961.277	-3	-1.7
4237,886403			54038N66 EGWD	29	4237,886	2889,628		5	N	N66c	54038N66 EGWD	29	32	3	0	61,162.852	3		-1.7
3969,000323	2482,551365		54062F88e EGWD	41	3969	2347,327		20	F	F88e	54062F88e EGWD	34	37	3	7	61,162.852	4,961.277	3	5.9
4162,555678	2583,385443		54070F88f EGWD	40	4162,556	2501,704		41	F	F88f	54070F88f EGWD	35	38	3	5	61,162.852	4,961.277	3	5.9
4802,95867	3556,215698		54070F88f STWD	23	4802,959	3713,132		4	F	F88f	54070F88f STWD	23	21	-2	0	61,162.852	4,961.277	-3	-1.7
4236,559882	2703,272614		54097F88f EGWD	35	4236,56	2754,399		69	F	F88f	54097F88f EGWD	32	36	4	3	61,162.852	4,961.277	3	2.1
4266,146546	2557,954786		54100F88f EGWD	40	4266,147	2574,935		74	F	F88f	54100F88f EGWD	34	38	4	6	61,162.852	4,961.277	3	5.9
4404,414982	3508,476869		54100F88f STWD	20	4404,415	3542,519		208	F	F88f	54100F88f STWD	24	21	-3	-4	61,162.852	4,961.277	-3	-5.5
3958,482779	2617,7871		54119F88f EGWD	36	3958,483	2517,46		71	F	F88f	54119F88f EGWD	32	34	2	4	61,162.852	4,961.277	1	2.1
4332,816996	2754,562989		54143F88f EGWD	38	4332,817	2687,33		89	F	F88f	54143F88f EGWD	32	36	4	6	61,162.852	4,961.277	3	5.9
4741,132438	2979,673201		54151F88f EGWD	34	4741,132	2934,547		43	F	F88f	54151F88f EGWD	34	38	4	0	61,162.852	4,961.277	3	-1.7
4453,319318	2767,549484		54178F88f EGWD	37	4453,319	2736,633		40	F	F88f	54178F88f EGWD	34	38	4	3	61,162.852	4,961.277	3	2.1
4191,963952	2670,975596		54186F88f EGWD	39	4191,964	2576,728		23	F	F88f	54186F88f EGWD	32	36	4	7	61,162.852	4,961.277	3	5.9
4125,562116	2563,474716		54194F88f EGWD	40	4125,562	2478,267		28	F	F88f	54194F88f EGWD	34	38	4	6	61,162.852	4,961.277	3	5.9
4140	2722,016858		54208F88f EGWD	38	4140	2979,03		4	F	F88f	54208F88f EGWD	34	37	3	4	61,162.852	4,961.277	3	2.1
4246,20347	2670,768959		54216F88f EGWD	40	4246,203	2553,457		22	F	F88f	54216F88f EGWD	34	37	3	6	61,162.852	4,961.277	3	5.9
4382,161191	2703,955774		54224F88f EGWD	39	4382,161	2669,891		51	F	F88f	54224F88f EGWD	35	38	3	4	61,162.852	4,961.277	3	2.1
4248,729836	2558,385439		54232F88f EGWD	43	4248,73	2406,134		40	F	F88f	54232F88f EGWD	37	40	3	6	61,162.852	4,961.277	3	5.9
4853,418803	3732,125695		54232F88f STWD	21	4853,419	3836,209		26	F	F88f	54232F88f STWD	18	23	5	3	61,162.852	4,961.277	5	2.1
7368,887124	4269,639943		54267A07c STWD	46	7368,887	3315,204		27	A	A07d	54267A07c STWD	45	42	-3	1	61,162.852	4,961.277	-3	2.1
4254,34277	2716,420167		54283F88e EGWD	38	4254,343	2618,423		57	F	F88e	54283F88e EGWD	32	35	3	6	61,162.852	4,961.277	3	5.9
4737,373737	3459,701331		54283F88e STWD	16	4737,374	2558,372		1	F	F88e	54283F88e STWD	17	16	-1	-1	61,162.852	4,961.277	-1	-1.7
4297,647923	2694,848746		54291F88e EGWD	39	4297,648	2630,599		148	F	F88e	54291F88e EGWD	34	37	3	5	61,162.852	4,961.277	3	5.9
4288,269311	2654,848831		54305F88e EGWD	38	4288,269	2503,999		65	F	F88e	54305F88e EGWD	34	37	3	4	61,162.852	4,961.277	3	2.1
4325,110999	2791,923727		54348F88e EGWD	36	4325,111	2595,887		18	F	F88e	54348F88e EGWD	32	35	3	4	61,162.852	4,961.277	3	2.1
4351,243206	3454,383236		54348F88e STWD	21	4351,243	2558,835		16	F	F88e	54348F88e EGWD	17	21	4	4	61,162.852	4,961.277	3	2.1
4227,710135	2597,381986		54356F88e EGWD	42	4227,71	2467,522		58	F	F88e	54356F88e EGWD	35	39	4	7	61,162.852	4,961.277	3	5.9
4238,484848	2646,145498		54364F88e EGWD	39	4238,485	2599,534		3	F	F88e	54364F88e EGWD	34	37	3	5	61,162.852	4,961.277	3	5.9
4201,702611	2625,610291		54372F88e EGWD	39	4201,703	2529,662		59	F	F88e	54372F88e EGWD	33	37	4	6	61,162.852	4,961.277	3	5.9
4035,247761	3401,589284		54372F88e STWD	14	4035,248	3455,585		96	F	F88e	54372F88e STWD	16	16	0	-2	61,162.852	4,961.277	-1	-1.7
4032,545455	2531,724555		54380F88e EGWD	40	4032,545	2410,219		7	F	F88e	54380F88e EGWD	33	37	4	7	61,162.852	4,961.277	3	5.9
5399,768982	4157,281855		54380F88e STWD	28	5399,769	3595,887		54	F	F88f	54380F88f EGWD	21	20	-1	7	61,162.852	4,961.277	-1	5.9
4148,890008	3339,964823		54380F88g STWD	26	4148,89	3086,242		51	F	F88g	54380F88g STWD	20	19	-1	6	61,162.852	4,961.277	-1	5.9
4039,636903	2532,711856		54380F88h EGWD	41	4039,637	2384,952		39	F	F88h	54380F88h EGWD	34	37	3	7	61,162.852	4,961.277	3	5.9
4285,077289	2550,192618		54380F88i EGWD	43	4285,077	2339,404		29	F	F88i	54380F88i EGWD	37	40	3	6	61,162.852	4,961.277	3	5.9
5720,133815			54380F88i STWD	18	5720,134	4867,379		13	F	F88i	54380F88i STWD	20	20	0	-2	61,162.852		-1	-1.7
5059,7557	3976,593534		54427F88d STWD	26	5059,756	3707,803		32	F	F88g	54427F88d STWD	22	21	-1	4	61,162.852	4,961.277	-1	2.1
4082,49117	3457,229312		54445F88g STWD	16	4082,491	3403,193		101	F	F88g	54445F88g STWD	16	15	-1	0	61,162.852	4,961.277	-1	-1.7
4076,752251	3296,343613		54453F88g STWD	24	4076,752	3106,782		140	F	F88g	54453F88g STWD	20	19	-1	4	61,162.852	4,961.277	-1	2.1
4224,990214	3400,250567		54461F88g STWD	18	4224,99	3335,225		20	F	F88g	54461F88g STWD	18	17	-1	0	61,162.852	4,961.277	-1	-1.7
4102,869535	3419,843927		54488F88g STWD	17	4102,87	3341,365		45	F	F88g	54488F88g STWD	19	16	-3	-2	61,162.852	4,961.277	-3	-1.7
5573,676797	3768,049878		54496M33 STWD	34	5573,677	3558,686		399	M	M33d	54496M33 STWD	35	31	-4	-1	61,162.852	4,961.277	-5	-1.7
5942,812049	3842,071334		54518M33 STWD	39	5942,812	2674,809		27	M	M33d	54518M33 STWD	38	31	-7	-1	61,162.852	4,961.277	-7	2.1
13275,36051	5678,000121		54526M33 STWD	29	13275,36	4972,347		183	M	M33d	54526M33 STWD	32	26	-6	-2	61,162.852	4,961.277	-7	-1.7
5217,211343	3925,522906		54534M33 STWD	34	5217,211	3458,77		26	M	M33d	54534M33 STWD	32	31	-1	2	61,162.852	4,961.277	-1	2.1
5268,784271	4266,821366		54585F88j EGWD	30	5268,784	4630,29		3	F	F88j	54585F88j EGWD	27	30	3	3	61,162.852	4,961.277	3	2.1
6647,197307	4067,586745		54593E17a STWD	48	6647,197	3917,253		16	E	E17a	54593E17a STWD	39	39	0	9	61,162.852	4,961.277	-1	9.7
3812,186656	3319,45862		54690N69i STWD	11	3812,187	3376,338		142	N	N69i	54690N69i STWD	8	13	5	3	61,162.852	4,961.277	5	2.1
5469,315858	3748,408839		54712M33 STWD	32	5469,316	3700,795		71	M	M33b	54712M33 STWD	34	31	-3	-2	61,162.852	4,961.277	-3	-1.7
5278,599568

4483,32979	3543,576102	[redacted]	54968F88I	EGWO	23	4483,33	3493,019	[redacted]	41	F	F88i	54968F88I	STWD	22	22	0	1	61.162.852	4,961.277	-1	2.1
4791,584733	2999,580182		54592F88I	EGWO	38	4791,985	3043,896		4	F	F88i	54592F88I	EGWO	36	39	3	2	61.162.852	4,961.277	3	2.1
4837,78626	3009,457826		55018F88I	EGWO	38	4837,786	3070,132		4	F	F88i	55018F88I	EGWO	36	39	3	2	61.162.852	4,961.277	3	2.1
4896,946565	3021,699781		55026F88I	EGWO	38	4896,947	3099,764		4	F	F88i	55026F88I	EGWO	36	39	3	2	61.162.852	4,961.277	3	2.1
4832,061069	3008,27312		55034F88I	EGWO	38	4832,061	3062,596		4	F	F88i	55034F88I	EGWO	36	39	3	2	61.162.852	4,961.277	3	2.1
4835,877863	3009,062924		55042F88I	EGWO	38	4835,878	3064,783		4	F	F88i	55042F88I	EGWO	36	39	3	2	61.162.852	4,961.277	3	2.1
4171,052632	3394,638833		55050F88I	STWD	23	4171,053	3154,838		4	F	F88i	55050F88I	STWD	20	20	0	3	61.162.852	4,961.277	-1	2.1
4634,777484	3058,367413		55069F88I	EGWO	34	4634,777	3368,861		22	F	F88i	55069F88I	EGWO	31	35	4	3	61.162.852	4,961.277	3	2.1
4643,669986	3523,005099		55069F88I	STWD	28	4643,67	3212,628		6	F	F88i	55069F88I	STWD	25	24	-1	3	61.162.852	4,961.277	-1	2.1
4477,652621	2793,714325		55077F88I	EGWO	37	4477,653	2827,323		36	F	F88i	55077F88I	EGWO	34	38	4	3	61.162.852	4,961.277	3	2.1
4538,662753	2790,342848		55085F88I	EGWO	38	4538,663	2820,609		32	F	F88i	55085F88I	EGWO	35	39	4	3	61.162.852	4,961.277	3	2.1
4360,587419	3478,58359		55085F88I	STWD	28	4360,587	2629,774		13	F	F88i	55085F88I	STWD	21	20	-1	7	61.162.852	4,961.277	-1	5.9
4344,547644	2806,705085		55093F88I	EGWO	35	4344,548	2840,965		19	F	F88i	55093F88I	EGWO	32	35	3	3	61.162.852	4,961.277	3	2.1
4536,011496	3487,704675		55093F88I	STWD	23	4536,011	2613,97		4	F	F88i	55093F88I	STWD	20	20	0	3	61.162.852	4,961.277	-1	2.1
4336,111111	2840,842921		55107F88I	EGWO	35	4336,111	2868,737		16	F	F88i	55107F88I	EGWO	31	34	3	3	61.162.852	4,961.277	3	2.1
4310,18981	3468,629752		55107F88I	STWD	28	4310,19	2636,72		8	F	F88i	55107F88I	STWD	20	20	0	8	61.162.852	4,961.277	-1	9.7
4342,857143	2698,223952		55115F88I	EGWO	39	4342,857	2659,742		14	F	F88i	55115F88I	STWD	35	38	3	4	61.162.852	4,961.277	3	2.1
4359,738068	3480,506058		55115F88I	STWD	28	4359,738	2640,983		11	F	F88i	55115F88I	STWD	21	20	-1	7	61.162.852	4,961.277	-1	5.9
4089,558389	3617,098952		55123F88I	EGWO	39	4089,558	3472,791		31	F	F88i	55123F88I	EGWO	31	35	4	8	61.162.852	4,961.277	3	9.7
5092,470583	3907,163355		55123F88I	STWD	19	5092,471	3230,246		5	F	F88i	55123F88I	STWD		22			61.162.852	4,961.277		
4038,277339	2681,287687		55131F88I	EGWO	37	4038,277	2544,288		16	F	F88i	55131F88I	EGWO	30	34	4	7	61.162.852	4,961.277	3	5.9
3938,17402	3315,043464		55131F88I	STWD	24	3938,174	2329,94		2	F	F88i	55131F88I	STWD					61.162.852	4,961.277		
3975,719421	2557,99879		55158F88I	EGWO	39	3975,719	2438,629		65	F	F88i	55158F88I	EGWO	31	36	5	8	61.162.852	4,961.277	5	9.7
3888,778834	3376,887715		55166F88I	STWD	20	3888,779	3095,228		64	F	F88i	55166F88I	STWD					61.162.852	4,961.277		
4009,36243	2522,405505		55174F88I	EGWO	39	4009,362	2453,822		22	F	F88i	55174F88I	EGWO	34	37	3	5	61.162.852	4,961.277	3	5.9
3965,559261	2514,606493		55182F88I	EGWO	40	3965,559	2370,3		51	F	F88i	55182F88I	EGWO	33	37	4	7	61.162.852	4,961.277	3	5.9
6131,360387	4016,510318		55220A09I	STWD	29	6131,36	4316,09		6	A	A09i	55220A09I	STWD	32	29	-3	-3	61.162.852	4,961.277	-3	-1.7
4104,271255	2580,126469		55239N66I	EGWO	36	4104,271	2531,463		20	N	N66d	55239N66I	EGWO	35	38	3	1	61.162.852	4,961.277	3	2.1
3695,794617	2399,24526		55247N66I	EGWO	36	3695,795	2280,709		37	N	N66d	55247N66I	EGWO	35	36	1	1	61.162.852	4,961.277	1	2.1
3864,804313	3044,39191		55255N66I	STWD	15	3864,804	3064,604		14	N	N66d	55255N66I	STWD	18	16	-2	-3	61.162.852	4,961.277	-3	-1.7
4104,045211	2632,97429		55263N66I	EGWO	36	4104,045	2619,625		75	N	N66d	55263N66I	EGWO	35	36	1	1	61.162.852	4,961.277	1	2.1
3855,415426	3376,433749		55263N66I	STWD	12	3855,415	3395,467		21	N	N66d	55263N66I	STWD	18	12	-6	-6	61.162.852	4,961.277	-7	-5.5
4204,95542	2624,228711		55271N66I	EGWO	38	4204,955	2625,587		17	N	N66d	55271N66I	EGWO	35	38	3	3	61.162.852	4,961.277	3	2.1
4215,753425			55271N66I	STWD	13	4215,753			4	N	N66d	55271N66I	STWD	17	14	-3	-4	61.162.852		-3	-5.5
3890,7119	2457,798999		55298N66I	EGWO	36	3890,712	2330,942		24	N	N66d	55298N66I	EGWO	35	36	1	1	61.162.852	4,961.277	1	2.1
4129,444684	2598,545026		55301N66I	EGWO	38	4129,445	2571,98		35	N	N66d	55301N66I	EGWO	35	37	2	3	61.162.852	4,961.277	1	2.1
4221,014493			55328N66I	STWD	13	4221,014			4	N	N66d	55328N66I	STWD	17	14	-3	-4	61.162.852		-3	-5.5
4149,850582	2625,930244		55336N66I	EGWO	37	4149,851	2604,737		16	N	N66d	55336N66I	EGWO	33	37	4	4	61.162.852	4,961.277	3	2.1
4160,958904			55336N66I	STWD	13	4160,959			4	N	N66d	55336N66I	STWD	17	14	-3	-4	61.162.852		-3	-5.5
4249,901139	2599,932803		55344N66I	EGWO	36	4249,901	2731,275		13	N	N66d	55344N66I	EGWO	35	36	1	1	61.162.852	4,961.277	1	2.1
4147,00787	2662,32235		55395N66I	EGWO	37	4147,008	2552,728		33	N	N66d	55395N66I	EGWO	34	36	2	3	61.162.852	4,961.277	1	2.1
4191,832771	3649,050444		55395N66I	STWD	11	4191,833	3745,204		25	N	N66d	55395N66I	STWD	16	13	-3	-5	61.162.852	4,961.277	-3	-5.5
4305,449623	2659,521247		55409N66I	EGWO	41	4305,45	2382,026		22	N	N66d	55409N66I	EGWO	38	38	0	3	61.162.852	4,961.277	-1	2.1
4197,444257	2790,503401		55417N66I	EGWO	38	4197,444	2279,462		15	N	N66d	55417N66I	EGWO	30	34	4	8	61.162.852	4,961.277	3	9.7
4178,457419	3640,231859		55417N66I	STWD	10	4178,457	3741,545		6	N	N66d	55417N66I	STWD	13	13	0	-3	61.162.852	4,961.277	-1	-1.7
3391,298729	2546,504305		55425T96I	EGWO	28	3391,299	2450,787		45	T	T96d	55425T96I	EGWO	19	25	6	9	61.162.852	4,961.277	5	9.7
5621,621082	3053,645882		55433N70I	EGWO	44	5621,621	2921,709		115	N	N70e	55433N70I	EGWO	42	44	2	2	61.162.852	4,961.277	1	2.1
4431,13972	3464,23589		55484F84I	STWD	21	4431,132	2937,548		30	F	F84b	55484F84I	STWD	19	19	0	2	61.162.852	4,961.277	-1	2.1
4258,899676	2575,380799		55492F84I	EGWO	41	4258,9	2498,516		6	F	F84b	55492F84I	EGWO	36	40	4	5	61.162.852	4,961.277	3	5.9
4373,803764	2693,863318		55506F84I	EGWO	37	4373,804	2740,923		12	F	F84b	55506F84I	EGWO	35	38	3	2	61.162.852	4,961.277	3	2.1
4368,030981	2692,668765		55514F84I	EGWO	37	4368,031	2737,617		12	F	F84b	55514F84I	EGWO	35	38	3	2	61.162.852	4,961.277	3	2.1
4368,030981	2692,668765		55522F84I	EGWO	37	4368,031	2737,617		12	F	F84b	55522F84I	EGWO	35	38	3	2	61.162.852	4,961.277	3	2.1
4368,030981	2692,668765		55530F84I	EGWO	37	4368,031	2737,617		12	F	F84b	55530F84I	EGWO	35	38	3	2	61.162.852	4,961.277	3	2.1
4247,498211	2088,419949		55549F84I	EGWO	37	4247,498	2726,664		12	F	F84b	55549F84I	EGWO	35	38	3	2	61.162.852	4,961.277	3	2.1
4061,066048	2612,64728		55557F84I	EGWO	37	4061,066	2585,59		87	F	F84b	55557F84I	EGWO	32	35	3	5	61.162.852	4,961.277	3	5.9
3772,727273			55565F84I	EGWO	38	3772,727			1	F	F84b	55565F84I	EGWO	33	37	4	5	61.162.852		3	5.9
3774,206102	3439,43661		55581F84I	STWD	16	3774,206	3571,091		2	F	F84b	55581F84I	STWD	14	14	0	2	61.162.852	4,961.277	-1	2.1
4484,187223	2767,288858		55603F84I	EGWO	37	4484,187	2846,01		7	F	F84b	55603F84I	EGWO	33	38	5	4	61.162.852	4,961.277	5	2.1
3613,636364	3337,18071		55611F84I	STWD	16	3613,636	3508,97		1	F	F84b	55611F84I	STWD	14	14	0	2	61.162.852	4,961.277	-1	2.1
3962,030761	3389,815843		55638F84I	STWD	17	3962,031	3458,151		49	F	F84b	55638F84I	STWD	15	14	-1	-2	61.162.852	4,961.277	-1	-1.7
3930,732558	3423,054054		55646F84I	STWD	16	3930,733	3549,757		1	F	F84b	55646F84I	STWD	14	14	0	2	61.162.852	4,961.277	-1	2.1
4143,667471	2565,216317		55654F84I	EGWO	40	4143,667	2473,06		50	F	F84b	55654F84I	EGWO	35	38	3	5	61.162.852	4,961.277	3	5.9
4121,812705	2594,16185		55662F84I	EGWO	35	4121,813	2656,264		77	F	F84b	55662F84I	EGWO	33	37	4	2	61.162.852	4,961.277	3	2.1
4357,82303	2764,516011		55670F84I	EGWO	36	4357,823	2796,615		32	F	F84b	55670F84I	EGWO	33	37	4	3	61.162.852	4,961.277	3	2.1
3893,034826	2522,02627		55700F84I	EGWO	38	3893,035	2349,991		3	F	F84b	55700F84I	EGWO	33	37	4	5	61.162.852	4,961.277	5	5.9
4345,26326	2729,242841		55727F84I	EGWO	37	4345,263	2732,713		18	F	F84b	55727F84I	EGWO	34	37	3	3	61.162.852	4,961.277	3	2.1
4491,682336	2824,508044		55735F84I	EGWO	35	4491,682	2905,353		18	F	F84b	55735F84I	EGWO	34	37	3	1	61.162.852	4,961.277	3	2.1
4299,824988	2801,78147		55751F84I	EGWO	28	4299,825	4503,494		29	F	F84b	55751F84I	EGWO	29	29	0	9	61.162.852	4,961.277	5	9.7
3755,113413	2392,559352		55778F84I	EGWO	40	3755,113	2243,806		74	F	F84b	55778F84I	EGWO	33	36	3	7	61.162.852	4,961.277	3	5.9
4444,036596	2807,827491		55786F84I	EGWO	35	4444,037	2876,85		18	F	F84b	55786F84I	EGWO	33	37	4	2	61.162.852	4,961.277	3	2.1
4287,313054	2717,927106		55794F84I	EGWO	36	4287,313	2754,213		16	F	F84b	55794F84I	EGWO	32	37	5	4	61.162.852	4,961.277	5	2.1
4341,772152	3660,851377		55808F84I	STWD	16	4341,772	3925,939		2	F	F84b	55808F84I	STWD	14	14	0	2	61.162.852	4,961.277	-1	2.1
4234,639632	2796,454904		55816F84I	EGWO	38	4234,64	2678,038		4	F	F84b	55816F84I	EGWO	33	37	4	5	61.162.852	4,961.277	3	5.9
3902,62148	2645,443343		55824F84I	EGWO	34	3786,621	2348,119		46	F	F84b	55824F84I	EGWO	30	32	2	4	61.162.852	4,961.277	3	2.1
3770,539063	2606,600543		55832F84I	EGWO	33	3770,539	2293,386		36	F	F84b	55832F84I	EGWO	29	32	3	4	61.162.852	4,961.277	3	2.1
4557,823129			55859F84I	EGWO	38	4557,823	2916,75		2	F	F84b	55859F84I	EGWO	33	37	4	5	61.162.852		3	5.9
4820,747772	3122,942651		55875F84I	EGWO	38	4820,748	2983,035		2	F	F84b	55875F84I	EGWO	33	37	4	5	61.162.852	4,961.277	3	5.9
4360,231968	2566,687691		55883F84I	EGWO	41	4360,232	2588,123		8	F	F84b	55883F84I	EGWO	35	39	4	6	61.162.852	4,961.277	3	5.9
3836,375887	3403,680121		55891F78I	STWD	9	3836,376	3457,392		87	F	F78e	55891F78I	STWD	9	11	2	0	61.162.852	4,961.277	1	-1.7
5392,21982	3673,843231		55921M56I	STWD	13	5392,22	3662,379		54	M	M56d	55921M56I	STWD	33	32	-1	0	61.162.852	4,961.277	-1	-1.7
5299,481144	3655,427534		55948M56I	STWD	13	5299,481	3621,033		38	M	M56d	55948M56I	STWD	32	31	-1	1	61.162.852	4,961.277	-1	2.1
4508,382462	3602,468019		55956F76I	STWD	15	4508,382	3529,003		101	F	F76b	55956F76I	STWD	17	17	0	-2	61.162.852	4,961.277	-1	-1.7
6798,019921	2910,560085		55999M33	EGWO	49	6798,02	2671,103		16	M	M33c	55999M33	EGWO	49	49	0	0	61.162.852	4,961.277	-1	-1.7
5946,808511	3818,620488		55999M33	STWD	38	5946,809	4018,665		1	M	M33c	55999M33	STWD	39	36	-3	-1	61.162.852	4,961.277	-3	-1.7
6218,647016	4014,521332		56006M33	STWD	35	6218,647	4048,539		37	M	M33c	56006M33	STWD	37	35	-2	-2	61.162.852	4,961.277	-3	-1.7
6364,013241	2817,330792		56014M33	EGWO	49	6364,013	2503,431		17	M	M33c	56014M33	EGWO	49	49	0	0	61.162.852	4,961.277	-1	-1.7
6161,446873	4004,333565		56014M33	STWD	38	6161,447	3953,728		3	M	M33c	56014M33	STWD	39	36	-2	-1	61.162.852	4,961.277	-3	-1.7
6265,097306	3888,510121		56022M33	STWD	43	6265,097	3099,584		25	M	M33c	56022M33	STWD	40	38	-2	3	61.162.852	4,961.277	-3	2.1
6286,320767	2803,157122		56030M33	EGWO	49	6286,321	2465,521		16	M	M33c	56030M33	EGWO	49	49	0	0	61.162.852	4,961.277	-1	-1.7
6128,486146	3977,829162		56049M33	STWD	38	6128,486	3782,565		30	M	M33c	56049M33	STWD	37	35	-2	1	61.162.852	4,961.277	-3	2.1
6907,146631	3205,347753		56057M33	EGWO	49	6907,147	3301,984		15	M	M33c	56057M33	EGWO	49	49	0	0	61.162.852	4,961.277	-1	-1.7
6349,041152	3942,639749		56057M33	STWD	40	6349,041	3761,48		28	M	M33c	56057M33	STWD	40	38	-2	0	61.162.852	4,961.277	-3	-1.7
5966,498767	3751,723356		56065M33	STWD	43	5966,499	2680,217		168	M	M33c	56065M33	STWD	40	37	-3	3	61.162.852	4,961.277	-3	2.1
5552,68049	3798,39837		56073M33	STWD	33	5552,68	3006,124		72	M	M33c	56073M33	STWD	35	32	-3	-2	61.162.852	4,961.277	-3	-1.7
6487,025677	3956,978738		56081M33	STWD	47	6487,026	3221,086		17	M	M33f	56081M33	STWD	41	39	-2	6	61.162.852	4,961.277	-3	5.9
5765,689823	3776,980481		56111M33	STWD	34	5765,69	3770,293		37	M	M33a	56111M33	STWD	37	34	-3	-3	61.162.852	4,961.277	-3	-1.7
5783,902843	3703,198117		56111M33	STWD	37	5783,903	3627,682		106	M	M33b	56111M33	STWD	36	36	0	1	61.162.852	4,961.277	-1	2.1
4527,777778	2494,440456		56138F88E	EGWO	44	4527,778	2354,366		8	F	F88e	56138F88E	EGWO	39	42	3	5	61.162.852	4,961.277	3	5.9
4293,16741	2647,851291		56146F88E	EGWO	41	4293,167	2533,495		57	F	F88e	56146F88E	EGWO	35	38	3	6	61.162.852	4,961.277	3	5.9
4199,198616	2865,021835		56154F88E	EGWO	44	4199,199	2658,458		14	F	F88e	56154F88E	EGWO	39	42	3	5	61.162.852	4,961.277	3	5.9
4260,968312	2532,543877		56162F88E	EGWO	44	4260,968	2392,671		41	F	F88e	56162F88E	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4398,801025	2765,010589		56170F88E	EGWO	37	4398,801	2774,459		17	F	F88e	56170F88E	EGWO	34	38	4	3	61.162.852	4,961.277	3	2.1
4484,832913	3756,957747		56170F88E	STWD	14	4484,833	3827,263		24	F	F88e	56170F88E	STWD	15	16	1	-1	61.162.852	4,961.277	1	-1.7
3913,617529	2535,031716		56189F88E	EGWO	36	3913,618	2474,185		20	F	F88e	56189F88E	EGWO	31	35	4	5	61.162.852	4,961.277	3	5.9
4136,666794	2695,571529		56197F88E	EGWO	39	4136,667	2535,504		35	F	F88e	56197F88E	EGWO	33	37	4	6	61.162.852	4,961.277	3	5.9
4346,401274	2594,467061		56200F88I	EGWO	38	4346,401	2694,853		131	F	F88i	56200F88I	EGWO	34	38	4	4	61.162.852	4,961.277	3	2.1
3931,239723	2713,995883		56219F88E	EGWO	34	3931,24	2660,699		8	F	F88e	56219F88E	EGWO	29	32	3	5	61.162.852	4,961.277	3	5.9
4127,434481	2752,540486		56227F88E	EGWO	35	4127,434	2664,243		8	F	F88e	56227F88E	EGWO	29	33	4	6	61.162.852	4,961.277	3	5.9
4196,384902	3409,385545		56227F88E	STWD	16	4196,385	3388,755		4	F	F88e	56227F88E	STWD	17	16	-1	-1	61.162.852	4,961.277	-1	-1.7
4070,113654	2737,385868		56235F88E	EGWO	35	4070,114	2650,03		8	F	F88e	56235F88E	EGWO	29	33	4	6	61.162.852	4,961.277	3	5.9
4522,816124			56251F89A	STWD	18	4522,816			42	F	F89a	56251F89A	STWD	18	18	0	0	61.162.852		-1	-1.7
5662,499878	3799,80648		56308M33	STWD	34	5662,5	3869,125		223	M	M33d	56308M33	STWD	33	31	-2	1	61.162.852	4,961.277	-3	2.1
5467,860768	2959,18983		56316N68I	STWD	44	5467,861	3033,506		99	N	N68f	56316N68I	STWD	41	45	4	3	61.162.852	4,961.277	3	2.1
4841,722532	3726,235213		56316N68I	STWD	14	4841,723	3580,5		77	N	N68f	56316N68I	STWD	14	13	-1	0	61.162.852	4,961.277	-1	-1.7
4631,319434	2807,557761		56324N70I	EGWO	39	4631,319	2575,445		42	N	N70b	56324N70I	EGWO	35	39	4	4	61.162.852	4,961.277	3	2.1
4118,402422	3431,127221		56324N70I	STWD	26	4118,402	3476,057		20	N	N70b	56324N70I	STWD	18	19	1	8	61.162.852	4,961.277	1	9.7
4616,722222	3168,259945		56332N70I	EGWO	39	4616,722	2982,128		5	N	N70b	56332N70I	EGWO	38	36	-2	1	61.162.852	4,961.277	-3	2.1
4240,16526	3419,551627		56332N70I	STWD	31	4240,165	2557,499		19	N	N70b	56332N70I	STWD	17	19	2	14	61.162.852	4,961.277	1	13.5
4277,056685	2577,384155		56340N70I	EGWO	46	4277,057	2316,034		14	N	N70b	56340N70I	EGWO	37	40	3	9	61.162.852	4,961.277	3	9.7
4988,636364	2888,647399		56359N70I	EGWO	44	4988,636	2711,205		11	N	N70b	56359N70I	EGWO	40	43	3	8	61.162.852	4,961.277	3	9.7
4065,486199	3417,648702		56367N70I	STWD	26	4065,486	2919,601		34	N	N70b	56367N70I	STWD	18	19	1	8	61.162.852	4,961.277	1	9.7
5611,687523	3357,582565		56375N70I	EGWO	44	5611,688	3214,77		4	N	N70b	56375N70I	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4595,559039	2732,371853		56383N70I	EGWO	44	4595,559	2564,639		10	N	N70b	56383N70I	EGWO	37	41	4	7	61.162.852	4,961.277	3	5.9
4015,269951	3364,646405		56421N70I	STWD	31	4015,27	2532,024		24	N	N70b	56421N70I	STWD	14	16	2	17	61.162.852	4,961.277	1	17.3
3832,097016	3240,49951		56448N70I	STWD	31	3832,097	2412,126		18	N	N70b	56448N70I	STWD	18	19	1	13	61.162.852	4,961.277	1	13.5
4719,444444	2920,16553		56456N70I	EGWO	44	4719,444	2826,75		4	N	N70b	56456N70I	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4258,333333	2785,44646		56464N70I	EGWO	44	4258,333	2716,423		4	N	N70b	56464N70I	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4661,537	2798,563937		56472N70I	EGWO	44	4661,537	2637,462		11	N	N70b	56472N70I	EGWO	36	40	4	8	61.162.852	4,961.277	3	9.7
4725	2921,315133		56480N70I	EGWO	44	4725	2818,905		4	N	N70b	56480N70I	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4725	2921,315133		56499N70I	EGWO	44	4725	2798,109		4	N	N70b	56499N70I	EGWO	38	41	3	6	61.162.852	4,961.277	3	5.9
4012,345679	2430,058559		56502N70I	EGWO	44	4012,346	2172,748		9	N	N70b	56502N70I	EGWO	37	39	2	7	61.162.852	4,961.277	1	5.9
4824,175824	3052,491975		56510N70I	EGWO	44	4824,176	2938,045		4	N	N70b	56510N70I	EGWO	34	41	7	10	61.162.852	4,961.277	7	9.7
4786,813187	2995,553567		56529N70I	EGWO	40	4786,813	2878,465		5	N	N70b	56529N70I	EGWO	38	37	-1	2	61.162.852	4,961.277	-1	2.1
4687,912088	2975,088101		56537N70I	EGWO	40	4687,912	2836,958		5	N	N70b	56537N70I	EGWO	36	37	1	4	61.162.852	4,961.277	1	2.1
4143,75649	3512,083278		56553N70I	STWD	23	4143,756	3176,299		88	N	N70b	56553N70I	STWD	16	18	2	7	61.162.852	4,961.277	1	5.9
4305,294543	3430,586968		56561F86I	STWD	28	4305,295	3105,731		28	F	F86b	56561F86I	STWD	23	20	-3	5	61.162.852	4,961.277	-3	5.9
7017,593949	4085,382569		56596K24I	STWD	46	7017,594	3835,911		129	K	K24b	56596K24I	STWD	44	41	-3	2	61.162.852	4,961.277	-3	2.1
5863,688468	3376,999947		56618N67I	EGWO	40	5863,688	3296,631		5	N	N67a	56618N67I	EGWO	37	40	3	3	61.162.852	4,961.277	3	2.1
4053,514392	2544,115484		56626F88I	EGWO	41	4053,514	2387,668		17	F	F88i	56626F88I	EGWO	34	37	3	7	61.162.852	4,961.277	3	5.9
4182,14176	2640,491783		56634F88I	EGWO	39	4182,144	2567,298		20	F	F88i	56634F88I	EGWO	33	37	4	6	61.162.852	4,961.277	3	5.9
3924,768488	3117,785143		56634F88I	STWD	28	3924,768	2824,802		37	F	F88i	56634F88I	STWD	24	21	-3	4	61.162.852	4,961.277	-3	2.1
3988,501031	2610,583628		56642F88I	EGWO	37	3988,901	2530,449		16	F	F88i	56642F88I	EGWO	30	34	4

4699,683254	2685,501836	[redacted]	56898F85a EGWO	47	4699,683	2487,575	[redacted]	26	F	F85a	56898F85a EGWO	41	42	1	6	61,162.852	4,961.277	1	5.9
4348,480423	2597,682931		56901F85a EGWO	45	4348,48	2400,819		34	F	F85a	56901F85a EGWO	37	40	3	8	61,162.852	4,961.277	3	9.7
4481,472361	2636,657464		56928F85a EGWO	45	4481,472	2447,85		44	F	F85a	56928F85a EGWO	41	41	0	4	61,162.852	4,961.277	1	2.1
4440,647347	2627,523415		56936F85a EGWO	46	4440,647	2379,07		30	F	F85a	56936F85a EGWO	41	41	0	5	61,162.852	4,961.277	-1	5.9
4699,970325	3551,78408		56936F85a STWO	29	4699,97	3489,403		60	F	F85a	56936F85a STWO	24	24	0	5	61,162.852	4,961.277	-1	5.9
4351,814348	2995,486631		56944F85a EGWO	37	4351,814	2825,54		8	F	F85a	56944F85a EGWO	31	32	1	6	61,162.852	4,961.277	1	5.9
4390,450016	3460,259798		56952F85a STWO	29	4390,45	3245,161		43	F	F85a	56952F85a STWO	22	21	-1	7	61,162.852	4,961.277	-1	5.9
4757,909091	2837,182657		56960F85a EGWO	43	4757,909	2647,851		20	F	F85a	56960F85a EGWO	38	40	2	5	61,162.852	4,961.277	2	5.9
5019,623648	3560,71171		56960F85a STWO	39	5019,624	2554,928		46	F	F85a	56960F85a STWO	29	29	0	10	61,162.852	4,961.277	-1	9.7
4415,078825	2770,160095		56979F85a EGWO	40	4415,079	2616,377		21	F	F85a	56979F85a EGWO	33	37	4	7	61,162.852	4,961.277	3	5.9
4725,973498	3479,179122		56979F85a STWO	39	4725,973	2440,193		30	F	F85a	56979F85a STWO	31	26	-5	8	61,162.852	4,961.277	-5	9.7
5293,133333	3706,78393		57002F85a STWO	34	5293,333	2882,266		1	F	F85a	57002F85a STWO	26	24	-2	8	61,162.852	4,961.277	-3	9.7
4407,851169	3564,435467		57029F85a STWO	29	4407,851	3541,492		28	F	F85a	57029F85a STWO	21	19	-2	8	61,162.852	4,961.277	-3	9.7
5080	3659,052826		57037F85a STWO	34	5080	2760,065		1	F	F85a	57037F85a STWO	26	24	-2	8	61,162.852	4,961.277	-3	9.7
3723,929016	2578,12857		57053F85a EGWO	37	3723,929	2811,181		29	F	F85a	57053F85a EGWO	35	32	-2	5	61,162.852	4,961.277	-3	2.1
4805,939125	3492,711924		57053F85a STWO	39	4805,939	2432,916		19	F	F85a	57053F85a STWO	30	27	-3	9	61,162.852	4,961.277	-3	9.7
6015,430978	3940,486756		57061E15a STWO	36	6015,431	3868,087		88	E	E15a	57061E15a STWO	39	34	-5	-3	61,162.852	4,961.277	-5	-1.7
6636,75858	3949,012829		57088E15a STWO	41	6636,759	2874,23		11	E	E15a	57088E15a STWO	42	40	-2	-1	61,162.852	4,961.277	-3	-1.7
9987,335108	5890,290835		57096F15a STWO	35	9987,335	5889,781		22	F	F15a	57096F15a STWO	39	35	-4	-4	61,162.852	4,961.277	-5	-5.5
5632,730015	3700,222083		57118E15a STWO	36	5632,73	3612,474		12	E	E15a	57118E15a STWO	40	34	-6	-4	61,162.852	4,961.277	-7	-5.5
6338,473084	3935,728138		57126E15a STWO	35	6338,473	4090,172		30	E	E15a	57126E15a STWO	39	38	-1	-4	61,162.852	4,961.277	-1	-5.5
5921,233659	3780,090887		57134E15a STWO	35	5921,234	3832,575		35	E	E15a	57134E15a STWO	39	36	-3	-4	61,162.852	4,961.277	-3	-5.5
6126,265215	3902,631131		57142E15a STWO	35	6126,265	3975,79		20	E	E15a	57142E15a STWO	38	36	-2	-3	61,162.852	4,961.277	-3	-1.7
5916,482472	3862,968573		57169E15a STWO	33	5916,482	3941,439		15	E	E15a	57169E15a STWO	39	35	-4	-6	61,162.852	4,961.277	-5	-5.5
5844,424477	3859,425493		57177E15a STWO	33	5844,424	3897,656		36	E	E15a	57177E15a STWO	38	34	-4	-5	61,162.852	4,961.277	-5	-5.5
6316,916913	3957,192751		57193E14E STWO	43	6316,917	3590,199		30	E	E14b	57193E14E STWO	39	38	-1	4	61,162.852	4,961.277	-1	2.1
3317,851321	3064,607993		57282F77c STWO	14	3317,851	2857,408		96	F	F77c	57282F77c STWO	14	8	-6	0	61,162.852	4,961.277	-7	-1.7
5706,902508	3800,935387		57290M33 STWO	33	5706,903	3930,867		14	M	M33c	57290M33 STWO	36	33	-3	3	61,162.852	4,961.277	-3	2.1
6238,223351	3854,855916		57312M33 STWO	43	6238,223	3102,155		11	M	M33c	57312M33 STWO	40	38	-2	3	61,162.852	4,961.277	-3	2.1
7417,910448	3148,613668		57371M33 EGWO	49	7417,91	2856,61		1	M	M33f	57371M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5865,19505	3772,925902		57398M33 STWO	42	5865,195	3219,081		2	M	M33f	57398M33 STWO	38	36	-2	4	61,162.852	4,961.277	-3	2.1
5527,654987	3604,378274		57401M33 STWO	42	5527,655	2458,403		2	M	M33f	57401M33 STWO	38	36	-2	4	61,162.852	4,961.277	-3	2.1
6679,402259	3168,892609		57428M33 EGWO	49	6679,402	2803,863		46	M	M33f	57428M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6700,67654	3976,327457		57428M33 STWO	47	6700,677	3056,673		20	M	M33f	57428M33 STWO	43	41	-2	4	61,162.852	4,961.277	-3	2.1
5431,654676	2694,313995		57444M33 STWO	49	5431,655	2336,985		3	M	M33f	57444M33 STWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6167,714141	3935,254594		57444M33 STWO	39	6167,714	3794,205		114	M	M33f	57444M33 STWO	38	36	-2	1	61,162.852	4,961.277	-3	2.1
6268,817204	3823,533496		57479M33 STWO	42	6268,817	2902,6		1	M	M33f	57479M33 STWO	38	36	-2	4	61,162.852	4,961.277	-3	2.1
5706,84169	2761,13092		57487M33 EGWO	49	5706,842	2382,725		3	M	M33e	57487M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5588,204738	3637,395747		57487M33 STWO	36	5588,205	2527,765		13	M	M33e	57487M33 STWO	36	33	-3	0	61,162.852	4,961.277	-3	-1.7
5997,812423	2949,187841		57495M33 EGWO	49	5997,812	2581,551		81	M	M33e	57495M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5772,104654	3863,404291		57495M33 STWO	36	5772,105	2684,834		15	M	M33e	57495M33 STWO	35	33	-2	1	61,162.852	4,961.277	-3	2.1
6238,551999	3154,58582		57509M33 EGWO	49	6238,552	2816,485		86	M	M33e	57509M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6061,879831	4019,017424		57509M33 STWO	36	6061,88	3365,046		8	M	M33e	57509M33 STWO	35	33	-2	1	61,162.852	4,961.277	-3	2.1
6117,854115	3024,621645		57517M33 EGWO	49	6117,854	2615,658		90	M	M33e	57517M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6153,560384	4066,086443		57517M33 STWO	36	6153,56	3497,659		10	M	M33e	57517M33 STWO	36	33	-3	0	61,162.852	4,961.277	-3	-1.7
6097,180471	2861,906159		57525M33 EGWO	49	6097,18	2417,869		11	M	M33e	57525M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5699,178982	2778,591355		57533M33 EGWO	49	5699,179	2415,986		3	M	M33e	57533M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5442,654026	3601,107416		57533M33 STWO	36	5442,654	2882,384		15	M	M33e	57533M33 STWO	36	33	-3	0	61,162.852	4,961.277	-3	-1.7
6039,910761	2992,984474		57541M33 EGWO	49	6039,911	2652,263		3	M	M33e	57541M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6103,709262	3082,565082		57568M33 EGWO	49	6103,709	2679,431		4	M	M33e	57568M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5145,321362	2692,691956		57584M33 EGWO	49	5145,321	2398,663		22	M	M33b	57584M33 EGWO	47	47	0	2	61,162.852	4,961.277	-1	2.1
5294,723058	3673,866387		57584M33 STWO	40	5294,723	2797,582		10	M	M33b	57584M33 STWO	34	31	-3	6	61,162.852	4,961.277	-3	5.9
5650,658365	3660,52638		57584M33 STWO	36	5650,658	2587,895		6	M	M33e	57584M33 STWO	36	33	-3	0	61,162.852	4,961.277	-3	-1.7
6035,215739	3180,63472		57592M33 EGWO	49	6035,216	3006,155		11	M	M33e	57592M33 EGWO	46	47	1	3	61,162.852	4,961.277	1	2.1
4763,97729	3586,640566		57592M33 STWO	26	4763,977	3718,175		63	M	M33e	57592M33 STWO	29	25	-4	-3	61,162.852	4,961.277	-5	-1.7
5871,187519	3050,661306		57606M33 EGWO	49	5871,188	2608,339		98	M	M33f	57606M33 EGWO	48	48	0	1	61,162.852	4,961.277	-1	2.1
6380,798567	3897,444404		57608M33 STWO	47	6380,799	2950,316		17	M	M33f	57608M33 STWO	41	39	-2	6	61,162.852	4,961.277	-3	5.9
6006,696429	3166,627563		57614M33 EGWO	49	6006,696	3090,969		4	M	M33f	57614M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6261,050077	3900,915066		57614M33 STWO	42	6261,05	3506,037		2	M	M33f	57614M33 STWO	38	36	-2	4	61,162.852	4,961.277	-3	2.1
6298,866512	2957,254012		57622M33 EGWO	49	6298,867	2707,516		3	M	M33e	57622M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4188,888889			57630B10c STWO	1	4188,889			1	B	B10g	57630B10c STWO				0	61,162.852			
5323,496041	3902,308789		57703M33 STWO	35	5323,496	3447,928		29	M	M33b	57703M33 STWO	35	33	-2	0	61,162.852	4,961.277	-3	-1.7
5399,215842	3762,928554		57703M33 STWO	31	5399,216	3715,014		81	M	M33g	57703M33 STWO	30	30	0	1	61,162.852	4,961.277	-1	2.1
3480,508518	2484,026164		57738T94E EGWO	28	3480,509	2488,371		47	T	T94b	57738T94E EGWO	23	28	5	5	61,162.852	4,961.277	5	5.9
3593,333333	2615,814822		57746T94E EGWO	27	3593,333	2634,182		6	T	T94b	57746T94E EGWO	21	27	6	6	61,162.852	4,961.277	5	5.9
3577,003371	3208,766661		57746T94E STWO	14	3577,002	2468,39		2	T	T94b	57746T94E STWO	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3593,333333	2615,814822		57754T94E EGWO	27	3593,333	2634,182		12	T	T94b	57754T94E EGWO	21	27	6	6	61,162.852	4,961.277	5	5.9
266,866128	4229,03906		57754T94E STWO	1	266,8664	2048,08		4	T	T94b	57754T94E STWO	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3497,931177	2515,447318		57762T94E EGWO	27	3497,931	2540,216		32	T	T94b	57762T94E EGWO	23	28	5	4	61,162.852	4,961.277	5	2.1
3137,614679	3080,758029		57762T94E STWO	14	3137,615	2295,88		1	T	T94b	57762T94E STWO	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3785,924609	2575,248431		57770T94E EGWO	30	3785,925	2658,958		16	T	T94b	57770T94E EGWO	27	32	5	3	61,162.852	4,961.277	5	2.1
3485,174592	2498,600825		57789T94E EGWO	28	3485,175	2513,133		14	T	T94b	57789T94E EGWO	23	28	5	5	61,162.852	4,961.277	5	5.9
3477,122838	2579,268431		57797T94E EGWO	22	3477,123	2777,546		13	T	T94b	57797T94E EGWO	18	23	5	4	61,162.852	4,961.277	5	2.1
3522,359224	2726,635921		57807T94E EGWO	22	3522,359	2811,044		7	T	T94b	57807T94E EGWO	18	23	5	4	61,162.852	4,961.277	5	2.1
3668,296502	2514,236853		57819T94E EGWO	32	3668,296	2468,42		8	T	T94b	57819T94E EGWO	27	31	4	5	61,162.852	4,961.277	3	5.9
3800	3372,666205		57819T94E STWO	14	3800	2667,25		1	T	T94b	57819T94E STWO	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3502,750019	2524,398896		57827T94E EGWO	28	3502,75	2535,052		16	T	T94b	57827T94E EGWO	20	28	8	8	61,162.852	4,961.277	7	9.7
5803,141073	2982,479771		57835M33 EGWO	49	5803,141	2769,671		12	M	M33e	57835M33 EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1
4765,55748	3588,062332		57835M33 STWO	26	4765,557	3723,938		101	M	M33e	57835M33 STWO	29	25	-4	-3	61,162.852	4,961.277	-5	-1.7
6053,714091	3154,608853		57843M33 EGWO	49	6053,714	2967,223		52	M	M33f	57843M33 EGWO	48	48	0	1	61,162.852	4,961.277	-1	2.1
5674,056899	3725,172737		57843M33 STWO	45	5674,057	3408,539		111	M	M33f	57843M33 STWO	35	34	-1	10	61,162.852	4,961.277	-1	9.7
5804,071247	2797,161029		57851M33 EGWO	49	5804,071	2425,385		3	M	M33f	57851M33 EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6260,312928	3970,407717		57851M33 STWO	38	6260,313	3909,894		103	M	M33f	57851M33 STWO	38	37	-1	0	61,162.852	4,961.277	-1	-1.7
3904,514629	2479,899418		57940F84E EGWO	36	3904,515	2363,766		87	F	F84b	57940F84E EGWO	33	36	3	3	61,162.852	4,961.277	3	2.1
3951,432533	3647,450281		57958F84E STWO	11	3951,433	3542,467		234	F	F84b	57958F84E STWO	13	13	0	-2	61,162.852	4,961.277	-1	-1.7
4346,938776	3104,094382		57975F84E EGWO	38	4346,939	3031,55		1	F	F84b	57975F84E EGWO	33	37	4	5	61,162.852	4,961.277	3	5.9
2560,97561	3180,935239		57975F84E STWO	16	2560,976	2234,97		1	F	F84b	57975F84E STWO	14	14	0	0	61,162.852	4,961.277	-1	2.1
4084,702516	2528,369058		57983F84E EGWO	40	4084,703	2431,762		95	F	F84b	57983F84E EGWO	35	38	3	5	61,162.852	4,961.277	3	5.9
4004,780207	2508,322876		57991F84E EGWO	41	4004,789	2375,068		39	F	F84b	57991F84E EGWO	34	37	3	7	61,162.852	4,961.277	3	5.9
4035,230139	3369,269952		57991F84E STWO	16	4035,23	2612,51		3	F	F84b	57991F84E STWO	14	14	0	2	61,162.852	4,961.277	-1	2.1
3724,577274	2481,220824		58009F84E EGWO	36	3724,577	2375,948		8	F	F84b	58009F84E EGWO	29	33	4	7	61,162.852	4,961.277	3	5.9
4526,779733	2837,958831		58017F84E EGWO	35	4526,78	2947,651		9	F	F84b	58017F84E EGWO	34	37	3	1	61,162.852	4,961.277	3	2.1
4481,014782	2736,138872		58025F84E EGWO	37	4481,015	2842,708		11	F	F84b	58025F84E EGWO	35	39	4	2	61,162.852	4,961.277	3	2.1
4116,399848	2589,732989		58033F84E EGWO	38	4116,4	2738,138		3	F	F84b	58033F84E EGWO	33	37	4	5	61,162.852	4,961.277	3	5.9
4486,258331	2589,732989		58041F84E EGWO	43	4486,258	2565,986		45	F	F84b	58041F84E EGWO	38	42	4	5	61,162.852	4,961.277	3	5.9
3687,653333	2332,774901		58076F84E EGWO	41	3687,653	2186,1		24	F	F84b	58076F84E EGWO	34	37	3	7	61,162.852	4,961.277	3	5.9
4113,320484	3296,017085		58076F84E STWO	21	4113,32	2377,829		40	F	F84b	58076F84E STWO	19	19	0	2	61,162.852	4,961.277	-1	2.1
4674,157303	3298,209718		58084F84E EGWO	38	4674,157	3338,237		1	F	F84b	58084F84E EGWO	33	37	4	5	61,162.852	4,961.277	3	5.9
4056,910569	3271,936502		58084F84E STWO	16	4056,911	2248,97		1	F	F84b	58084F84E STWO	14	14	0	2	61,162.852	4,961.277	-1	2.1
3973,76647	2781,156186		58092F84E EGWO	38	3973,768	2678,678		43	F	F84b	58092F84E EGWO	35	37	2	4	61,162.852	4,961.277	3	2.1
3732,051948	3270,008383		58092F84E STWO	16	3732,052	2443,35		2	F	F84b	58092F84E STWO	14	14	0	2	61,162.852	4,961.277	-1	2.1
4236,96339	2657,76089		58106F84E EGWO	38	4236,963	2647,98		17	F	F84b	58106F84E EGWO	34	37	3	4	61,162.852	4,961.277	3	2.1
3830,460774	2531,7758		58114F84E EGWO	38	3830,461	2382,494		6	F	F84b	58114F84E EGWO	31	34	3	7	61,162.852	4,961.277	3	5.9
4360,516342	2727,42231		58122F84E EGWO	37	4360,516	2753,95		10	F	F84b	58122F84E EGWO	34	37	3	3	61,162.852	4,961.277	3	2.1
4072,17311	2466,383759		58130F84E EGWO	38	4072,173	2539,013		3	F	F84b	58130F84E EGWO	33	37	4	5	61,162.852	4,961.277	3	5.9
3985,1995	2516,306443		58149F84c EGWO	41	3985,2	2366,852		28	F	F84c	58149F84c EGWO	36	37	1	5	61,162.852	4,961.277	1	5.9
4528,528771	3509,71038		58149F84c STWO	19	4528,529	3818,089		25	F	F84c	58149F84c STWO	21	20	-1	-2	61,162.852	4,961.277	-1	-1.7
3829,113595	2381,529098		58157F84c EGWO	42	3829,114	2206,863		34	F	F84c	58157F84c EGWO	34	38	4	8	61,162.852	4,961.277	3	9.7
4134,546524	2544,766714		58165F84c EGWO	41	4134,547	2373,089		27	F	F84c	58165F84c EGWO	36	38	2	5	61,162.852	4,961.277	1	5.9
3921,428571	2507,354866		58173F84c EGWO	38	3921,429	2311,282		3	F	F84c	58173F84c EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
4104,330461	2540,257901		58203F84c EGWO	43	4104,33	2362,844		14	F	F84c	58203F84c EGWO	37	38	1	6	61,162.852	4,961.277	1	5.9
4363,776653	3588,68271		58203F84c STWO	19	4363,777	3721,023		25	F	F84c	58203F84c STWO	22	18	-4	-3	61,162.852	4,961.277	-5	-1.7
4097,094524	2555,421974		58238F84c EGWO	40	4097,095	2456,683		111	F	F84c	58238F84c EGWO	34	38	4	6	61,162.852	4,961.277	3	5.9
4097,573791	3475,856896		58246F84c STWO	19	4097,574	3581,996		66	F	F84c	58246F84c STWO	15	15	0	4	61,162.852	4,961.277	-1	2.1
4108,366683	2607,293832		58262F84c EGWO	40	4108,366	2467,98		16	F	F84c	58262F84c EGWO	33	37	4	7	61,162.852	4,961.277	3	5.9
3725,214181	2402,440994		58270F84c EGWO	40	3725,214	2236,37		55	F	F84c	58270F84c EGWO	32	36	4	8	61,162.852	4,961.277	3	9.7
3670,692638	2331,617653		58289F84c EGWO	41	3670,693	2182,173		50	F	F84c	58289F84c EGWO	33	37	4	8	61,162.852	4,961.277	3	9.7
4523,338831	3612,181829		58297F84c STWO	29	4523,339	3161,182		16	F	F84c	58297F84c STWO	22	20	-2	7	61,162.852	4,961.277	-3	5.9
4115,766403	2709,024384		58300F84c EGWO	37	4115,766	2577,183		6	F	F84c	58300F84c EGWO	31	34	3	6	61,162.852	4,961.277	3	5.9
4017,549624	2513,58609		58319F84c EGWO	41	4017,55	2345,689		24	F	F84c	58319F84c EGWO	34	37	3	7	61,162.852	4,961.277	3	5.9
4166,38441	2669,770971		58327F84c EGWO	37	4166,384	2620,899		24	F	F84c	58327F84c EGWO	33	36	3	4	61,162.852	4,961.277	3	2.1
3965,656469	2454,855424		58335F84c EGWO	41	3965,656	2327,58		44	F	F84c	58335F84c EGWO	36	38	2	5	61,162.852	4,961.277	1	5.9
4505,545944	2764,860123		58343F84c EGWO	38	4505,546	2789,138		10	F	F84c	58343F84c EGWO	36	39	3	2	61,162.852	4,961.277	3	2.1
4544,597749	3582,888152		58343F84c STWO	29	4544,598	3078,896		10	F	F84c	58343F84c STWO	21	20	-1	8	61,162.852	4,961.277	-1	9.7
4003,880171	2664,248218		58351F84c EGWO	37	4003,88	2515,056		28	F	F84c	58351F84c EGWO	30	33	3	7	61,162.852	4,961.277	3	5.9
4201,464946	2712,848906		58378F84c EGWO	36	4201,465	2673,562		52	F	F84c	58378F84c EGWO	32	35	3	4	61,162.852	4,961.277	3	2.1
4367,400772	2695,638647		58386F84c EGWO	40	4367,401	2537,689		32	F	F84c	58386F84c EGWO	36	39	3	4	61,162.852	4,961.277	3	2.1
4414,005735	2726,611755		58394F84c EGWO	38	4414,006	2743,565		26	F	F84c	58394F84c EGWO	35	38	3	3	61,162.852	4,961.277	3	2.1
4123,408602	2682,780984		58408F84c EGWO	38	4123,409	2543,126		10	F	F84c	58408F84c EGWO	31	35	4	7	61,162.852	4,961.277	3	5.9
4163,072122	2612,755353		58416F84c EGWO	39	4163,072	2549,777		55	F	F84c	58416F84c EGWO	34	37	3	5	61,162.852	4,961.277	3	5.9
4149,019426	2742,751306		58424F84c EGWO	37	4149,019	2611,003		14	F	F84c	58424F84c EGWO	30	34	4	7	61,162.852	4,961.277	3	5.9
4316,166035	2933,749327		58432F84c EGWO	34	4316,166	2855,398		18	F	F84c	58432F84c EGWO	33	36	3	1	61,162.852	4,961.277	3	2.1
4177,84757	2693,698856		58564F84c EGWO	39	4177,848	2492,992		38	F	F84c	58564F84c EGWO	32	36	4	7	61,162.852	4,961.277	3	5.9
4063,790432	2580,879106		58815N74c EGWO	40	4063,79	2328,645		173	N	N74c	58815N74c EGWO	38	36	-2	2	61,162.852	4,961.277	-3	2.1
4436,640319	2770,183104		58831N74c EGWO	41	4436,64	2638,702		28	N	N74c	58831N74c EGWO	34	38	4	7	61,162.852	4,961.277	3	5.9
4473,511806	2785,710939		58858N74c EGWO	41	4473,512	2644,134		26	N	N74c	58858N74c EGWO	34	38	4	7	61,162.852	4,961.277	3	5.9
4325,107468	2609,517139		58866N74c EGWO	46	4325,107	2345,587		24	N	N74c	58866N74c EGWO	36	40	4	10	61,162.852	4,961.277	3	9.7
3842,692721	2654,48821		58874N74c EGWO	40	3842,693	2253,062		10	N	N74c	58874N74c EGWO	34	38	4	6	61,162.852	4,961.277	3	5.9
4675,865264			58882N74c EGWO	40	4675,865	2855,632		20	N	N74c	58882N74c EGWO	39	41	2	1	61,162.852		1	2.1
3506,375719	2644,137324		58898T94E EGWO	28	3506,376	2452,794		36	T	T94b	58898T94E EGWO	27	30	3	3	61,162.852	4,961.277	3	2.1
3405,590141	3452,693457		58898T94E STWO	9	3405,59	3575,054		10	T	T94b	58898T94E STWO	9	6	-3	0	61,162.852	4,961.277	-3	-1.7
3286,092184	2420,297243		59005T94E EGWO	27	3286,092	2388,103		25	T	T94b	59005T94E EGWO	24	26	2	3	61,162.852	4,961.277	1	2.1
3760,771476	3463,779262		59005T94E STWO	14	3760,771	2847,688		4	T	T94b	59005T94E STWO	8	6	-2	6	61,162.852	4,961.277	-3	5.9
3364,052059	2508,843337		59013T94E EGWO	22	3364,052	2

3393,457483	2431,85895	[redacted]	59153T93j	EGWO	28	3393,457	2428,547	[redacted]	25	T	T93j	59153T93j	EGWO	23	28	5	5	61,162.852	4,961.277	5	5.9
3381,213152	3359,106741		59153T93j	STWO	30	3381,213	2346,582		18	T	T93j	59153T93j	STWO	14	7	-7	16	61,162.852	4,961.277	-7	17.3
5258,122461	3772,657477		59161M33	STWO	35	5258,122	3410,462		42	M	M33b	59161M33	STWO	35	33	2	0	61,162.852	4,961.277	3	1.7
5296,482599	3691,994683		59161M33	STWO	31	5296,483	3656,078		38	M	M33g	59161M33	STWO	33	30	-3	-2	61,162.852	4,961.277	-3	-1.7
5627,969858	2934,221961		59196M33	EGWO	49	5627,97	2835,796		10	M	M33b	59196M33	EGWO	48	48	0	1	61,162.852	4,961.277	-1	2.1
5285,936498	2659,174167		59226M33	EGWO	49	5285,936	2344,298		20	M	M33b	59226M33	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5428,944001	3766,415866		59234M33	STWO	31	5428,944	3704,836		120	M	M33b	59234M33	STWO	33	31	-2	-2	61,162.852	4,961.277	-3	-1.7
5857,937236	3758,617954		59250M33	STWO	40	5857,937	2578,655		25	M	M33b	59250M33	STWO	38	36	-2	2	61,162.852	4,961.277	-3	2.1
7014,723559	4114,365653		59277A04g	STWO	45	7014,724	3285,169		18	A	A04g	59277A04g	STWO	42	40	-2	3	61,162.852	4,961.277	-3	2.1
7176,50185	4239,413233		59285A04g	STWO	45	7176,502	3443,723		18	A	A04g	59285A04g	STWO	42	40	-2	3	61,162.852	4,961.277	-3	2.1
3984,529236	2695,34077		59315F85a	EGWO	37	3984,529	2392,427		34	F	F85a	59315F85a	EGWO	31	32	1	6	61,162.852	4,961.277	1	5.9
4477,571719			59315F85a	STWO	31	4477,972	3064,106		58	F	F85a	59315F85a	STWO	26	24	-2	5	61,162.852		-3	5.9
3877,87728	2648,568682		59323F85a	EGWO	38	3877,877	2337,993		43	F	F85a	59323F85a	EGWO	32	32	0	6	61,162.852	4,961.277	-1	5.9
4444,754379	2850,44898		59331F85a	EGWO	38	4444,754	2528,139		15	F	F85a	59331F85a	EGWO	35	36	1	3	61,162.852	4,961.277	1	2.1
4005,797987	2524,611597		59358F85a	EGWO	42	4005,797	2378,557		66	F	F85a	59358F85a	EGWO	35	37	2	7	61,162.852	4,961.277	3	5.9
4927,571709	2685,110734		59404F77t	EGWO	47	4927,572	2617,394		25	F	F77b	59404F77t	EGWO	43	45	2	4	61,162.852	4,961.277	1	2.1
4933,301639	2697,732029		59412F77t	EGWO	47	4977,316	2641,749		13	F	F77b	59412F77t	EGWO	44	45	1	3	61,162.852	4,961.277	1	2.1
4129,461279	3305,360207		59412F77t	STWO	23	4129,461	2487,981		6	F	F77b	59412F77t	STWO	17	20	3	6	61,162.852	4,961.277	3	5.9
4780,90885	3618,080787		59420F77t	EGWO	49	4780,909	2808,783		31	F	F77b	59420F77t	EGWO	42	45	3	7	61,162.852	4,961.277	3	5.9
4863,991477	3094,499614		59439F77t	EGWO	43	4863,991	2443,54		22	F	F77b	59439F77t	EGWO	40	40	0	3	61,162.852	4,961.277	-1	2.1
4341,258407	3413,360305		59439F77t	STWO	23	4341,258	2727,267		8	F	F77b	59439F77t	STWO	17	21	4	6	61,162.852	4,961.277	3	5.9
4874,176009	2663,655755		59447F77t	EGWO	48	4874,176	2553,569		24	F	F77b	59447F77t	EGWO	44	45	1	4	61,162.852	4,961.277	1	2.1
4825	3459,383232		59447F77t	STWO	18	4825	2738,517		4	F	F77b	59447F77t	STWO	16	17	1	2	61,162.852	4,961.277	1	2.1
5144,720762	2685,201133		59455F77t	EGWO	49	5144,721	2491,749		32	F	F77b	59455F77t	EGWO	45	48	3	4	61,162.852	4,961.277	3	2.1
5085,119798			59455F77t	STWO	18	5085,12			2	F	F77b	59455F77t	STWO	16	17	1	2	61,162.852		1	2.1
5117,403204	3693,176021		59463FB6t	STWO	33	5117,403	3451,115		20	F	F86b	59463FB6t	STWO		28			61,162.852	4,961.277		
5462,924546	3771,138006		59498M32	STWO	30	5462,925	3798,821		42	M	M32c	59498M32	STWO	34	31	-3	-4	61,162.852	4,961.277	-3	-5.5
6479,586749	4163,477413		59501A04g	STWO	35	6479,587	4335,944		27	A	A04g	59501A04g	STWO	37	36	-1	-2	61,162.852	4,961.277	-1	-1.7
7592,351023	4279,008673		59528K23c	STWO	46	7592,351	4099,549		675	K	K23d	59528K23c	STWO	46	44	-2	0	61,162.852	4,961.277	-3	-1.7
6380,712451	3041,606632		59625M33	EGWO	49	6380,712	2689,746		86	M	M33f	59625M33	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6067,07978	3792,107313		59625M33	STWO	39	6067,08	3649,678		80	M	M33f	59625M33	STWO	41	37	-4	-2	61,162.852	4,961.277	-5	-1.7
5592,010807	3668,066847		59633E75a	STWO	49	5592,011	2631,713		23	E	E75a	59633E75a	STWO	36	34	-2	13	61,162.852	4,961.277	-3	13.5
5974,185647	3468,392551		59641N66	EGWO	34	5974,186	3491,522		17	N	N66d	59641N66	EGWO	40	41	1	-6	61,162.852	4,961.277	1	-5.5
6498,882996	4006,236764		59668A04f	STWO	47	6498,883	3134,899		46	A	A04f	59668A04f	STWO	44	38	-6	3	61,162.852	4,961.277	-7	2.1
6055,711642	3810,477413		59714K90i	STWO	40	6055,712	3560,089		31	K	K90i	59714K90i	STWO	44	36	-8	-4	61,162.852	4,961.277	-9	-5.5
6023,182994	3815,551906		59722K90i	STWO	41	6023,183	3561,369		37	K	K90i	59722K90i	STWO	42	37	-5	-1	61,162.852	4,961.277	-5	-1.7
6321,865086	3997,605703		59730K90i	STWO	41	6321,865	3741,479		38	K	K90i	59730K90i	STWO	45	38	-7	-4	61,162.852	4,961.277	-7	-5.5
7070,775656	4092,119854		59862E12t	STWO	48	7070,776	3698,518		257	E	E12b	59862E12t	STWO	46	42	-4	2	61,162.852	4,961.277	-5	2.1
5734,899821	3832,060801		59919F87c	STWO	35	5734,9	3703,563		71	F	F87c	59919F87c	STWO	34	33	-1	1	61,162.852	4,961.277	-1	2.1
6780,347321	4159,51972		59927E14f	STWO	46	6785,716	3626,855		197	E	E14f	59927E14f	STWO	42	39	-3	4	61,162.852	4,961.277	-3	2.1
6069,876261	2731,140511		59951M56	EGWO	49	6069,876	2405,287		17	M	M56f	59951M56	EGWO	49	46	-3	0	61,162.852	4,961.277	-3	-1.7
5805,785956	2860,615197		59978M56	STWO	49	5805,786	2434,76		58	M	M56f	59978M56	STWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5676,064208	2885,819197		59986M56	EGWO	49	5676,064	2580,353		26	M	M56f	59986M56	EGWO	48	49	1	1	61,162.852	4,961.277	1	2.1
6240,417999	2982,407863		59994M56	EGWO	49	6240,418	2728,78		89	M	M56f	59994M56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
5712,219447	2891,874923		60003M56	EGWO	49	5712,219	2582,016		26	M	M56f	60003M56	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4550,756306	3336,207176		60011M56	STWO	29	4550,756	3225,911		101	M	M56f	60011M56	STWO	28	27	-1	1	61,162.852	4,961.277	-1	2.1
7866,666667			60038M56	EGWO	49	7866,667			1	M	M56f	60038M56	EGWO	49	49	0	0	61,162.852		-1	-1.7
4867,306192	3462,488585		60038M56	STWO	34	4867,306	3203,788		190	M	M56f	60038M56	STWO	30	29	-1	4	61,162.852	4,961.277	-1	2.1
4000,099743	3231,207271		60046F76t	STWO	15	4000,1	2825,844		72	F	F76b	60046F76t	STWO	17	17	0	-2	61,162.852	4,961.277	-1	-1.7
5772,708305			60062A09i	STWO	37	5772,708			45	A	A09i	60062A09i	STWO	38	36	-2	-1	61,162.852		-3	-1.7
4569,724325	2915,54673		60089N66	EGWO	34	4569,724	3003,309		7	N	N66d	60089N66	EGWO	35	36	1	-1	61,162.852	4,961.277	1	-1.7
5549,07782	3670,805262		60151M32	STWO	34	5549,078	3647,366		35	M	M32c	60151M32	STWO	37	34	-3	-3	61,162.852	4,961.277	-3	-1.7
4252,252252	2519,438149		60364F84c	EGWO	38	4252,252	2450,439		2	F	F84c	60364F84c	EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
4252,252252	2519,438149		60372F84c	EGWO	38	4252,252	2422,538		2	F	F84c	60372F84c	EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
4175,615572	2573,947827		60380F84c	EGWO	35	4175,616	2681,838		40	F	F84c	60380F84c	EGWO	36	38	2	-1	61,162.852	4,961.277	1	-1.7
4067,562756	2459,351934		60399F84c	EGWO	38	4067,563	2315,423		4	F	F84c	60399F84c	EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
4027,030163	2451,946378		60402F84c	EGWO	42	4027,03	2353,332		27	F	F84c	60402F84c	EGWO	36	39	3	6	61,162.852	4,961.277	3	5.9
4185,752062	2577,688007		60410F84c	EGWO	41	4185,752	2459,508		16	F	F84c	60410F84c	EGWO	34	38	4	7	61,162.852	4,961.277	3	5.9
4196,750434	2608,012184		60429F84c	EGWO	41	4196,75	2479,777		18	F	F84c	60429F84c	EGWO	35	38	3	6	61,162.852	4,961.277	3	5.9
4016,218854	2520,705606		60437F84c	EGWO	41	4016,219	2384,803		28	F	F84c	60437F84c	EGWO	35	38	3	6	61,162.852	4,961.277	3	5.9
4013,875349	2454,012466		60445F84c	EGWO	42	4013,875	2298,56		71	F	F84c	60445F84c	EGWO	35	39	4	7	61,162.852	4,961.277	3	5.9
5836,591645	3957,769279		60445F84c	STWO	24	5836,592	3144,876		4	F	F84c	60445F84c	STWO	20	20	0	4	61,162.852	4,961.277	-1	2.1
4850,526184	3038,933957		60453F84c	EGWO	33	4850,526	3521,79		11	F	F84c	60453F84c	EGWO	34	39	5	-1	61,162.852	4,961.277	5	-1.7
4252,842262	2657,125784		60461F84c	EGWO	38	4252,842	2541,978		3	F	F84c	60461F84c	EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
4294,283088	2734,099273		60488F84c	EGWO	38	4294,283	2590,656		3	F	F84c	60488F84c	EGWO	33	36	3	5	61,162.852	4,961.277	3	5.9
3426,841137	2531,092733		60496F84c	EGWO	33	3426,841	2280,111		26	F	F84c	60496F84c	EGWO	29	31	2	4	61,162.852	4,961.277	1	2.1
3817,914794	2515,758248		60518F84c	EGWO	39	3817,915	2327,134		80	F	F84c	60518F84c	EGWO	34	34	0	5	61,162.852	4,961.277	-1	5.9
5040,419267	2685,490688		60518F84c	STWO	24	5040,419	3306,571		4	F	F84c	60518F84c	STWO	20	20	0	4	61,162.852	4,961.277	-1	2.1
3854,007596	2532,67984		60526F84c	EGWO	38	3854,008	2334,518		42	F	F84c	60526F84c	EGWO	32	34	2	6	61,162.852	4,961.277	1	5.9
4226,214546	2646,80619		60534F84c	EGWO	37	4226,215	2484,476		64	F	F84c	60534F84c	EGWO	33	36	3	4	61,162.852	4,961.277	3	2.1
3201,24503	2369,406483		60712T93c	EGWO	26	3201,245	2330,615		6	T	T93d	60712T93c	EGWO	21	26	5	5	61,162.852	4,961.277	5	5.9
3850,650947	3436,382699		60712T93c	STWO	11	3850,651	3424,449		14	T	T93d	60712T93c	STWO	10	11	1	1	61,162.852	4,961.277	1	2.1
3483,16866	2427,285715		60720T93c	EGWO	26	3483,169	2213,386		39	T	T93d	60720T93c	EGWO	26	30	4	0	61,162.852	4,961.277	3	-1.7
3296,311323	2451,443648		60739T93c	EGWO	22	3296,313	2191,556		28	T	T93d	60739T93c	EGWO	19	26	7	3	61,162.852	4,961.277	3	2.1
3131,207452	2331,449232		60747T93c	EGWO	25	3131,207	2328,052		28	T	T93d	60747T93c	EGWO	23	26	3	2	61,162.852	4,961.277	3	2.1
3692,91708	2464,541463		60771F84c	EGWO	35	3692,917	2339,249		57	F	F84c	60771F84c	EGWO	28	33	5	7	61,162.852	4,961.277	5	5.9
4553,859428	3505,11777		60771F84c	STWO	29	4553,859	3189,112		69	F	F84c	60771F84c	STWO	23	24	1	6	61,162.852	4,961.277	1	5.9
6096,551724	3911,85982		60798A05f	STWO	31	6096,552	3215,006		1	A	A05f	60798A05f	STWO	40	37	-3	-9	61,162.852	4,961.277	-3	-9.3
6042,961361	3776,08859		60801K48c	STWO	42	6042,961	3227,404		88	K	K48d	60801K48c	STWO	43	37	-6	-1	61,162.852	4,961.277	-7	-1.7
6147,925342	3884,351948		60828K48c	STWO	40	6147,925	3691,83		353	K	K48d	60828K48c	STWO	42	37	-5	-2	61,162.852	4,961.277	-5	-1.7
6614,117807	4013,498019		60836K48c	STWO	41	6614,118	3861,972		313	K	K48d	60836K48c	STWO	43	39	-4	-2	61,162.852	4,961.277	-5	-1.7
6156,333763	3823,684282		60844K48c	STWO	43	6156,334	3506,203		131	K	K48d	60844K48c	STWO	42	38	-4	1	61,162.852	4,961.277	-5	2.1
6388,466696	3898,290683		60852K48c	STWO	43	6388,467	3624,901		67	K	K48d	60852K48c	STWO	43	39	-4	0	61,162.852	4,961.277	-5	-1.7
6469,509092	3998,794252		60860K48c	STWO	46	6469,509	3466,247		106	K	K48d	60860K48c	STWO	42	38	-4	4	61,162.852	4,961.277	-5	2.1
5078,664165	2615,413977		60887M35	EGWO	49	5078,664	2532,21		179	M	M35c	60887M35	EGWO	48	45	-3	1	61,162.852	4,961.277	-3	2.1
5124,933635	3560,480249		60887M35	STWO	44	5124,934	2570,77		26	M	M35c	60887M35	STWO	35	30	-5	9	61,162.852	4,961.277	-5	9.7
5770,137561	2977,832254		60895M35	EGWO	46	5770,138	3054,12		132	M	M35c	60895M35	EGWO	49	49	0	-2	61,162.852	4,961.277	-1	-1.7
6455,882353	3799,982408		60895M35	STWO	39	6455,882	2751,912		1	M	M35c	60895M35	STWO	31	30	-1	8	61,162.852	4,961.277	-1	9.7
4595,9791	2557,877599		60909M35	EGWO	48	4595,979	2256,58		2	M	M35c	60909M35	EGWO	49	47	-2	-1	61,162.852	4,961.277	-3	-1.7
4550	3330,827863		60909M35	STWO	39	4550	2912,631		1	M	M35c	60909M35	STWO	31	30	-1	8	61,162.852	4,961.277	-1	9.7
4561,632021	2543,929578		60909M35	EGWO	49	4561,632	2243,413		14	M	M35f	60909M35	EGWO	46	44	-2	3	61,162.852	4,961.277	-3	2.1
4772,77126	3615,404824		60909M35	STWO	25	4772,771	3570,766		38	M	M35f	60909M35	STWO	27	24	-3	-2	61,162.852	4,961.277	-3	-1.7
5128,36646	3044,634604		60917M35	EGWO	48	5128,366	2790,562		2	M	M35c	60917M35	EGWO	49	47	-2	-1	61,162.852	4,961.277	-3	-1.7
5425,229908	3175,627306		60925M35	EGWO	48	5425,23	3003,732		3	M	M35c	60925M35	EGWO	49	47	-2	-1	61,162.852	4,961.277	-3	-1.7
5114,549204	2746,462011		60933M35	EGWO	47	5114,549	2756,893		131	M	M35c	60933M35	EGWO	49	46	-3	-2	61,162.852	4,961.277	-3	-1.7
4870,335231	3550,736658		60933M35	STWO	34	4870,335	3606,193		6	M	M35c	60933M35	STWO	31	27	-4	3	61,162.852	4,961.277	-5	2.1
5297,370531	2706,003614		60941M35	EGWO	49	5297,371	2463,607		33	M	M35c	60941M35	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4585,031323	3343,874793		60976M35	STWO	33	4585,031	2959,679		31	M	M35e	60976M35	STWO	30	27	-3	3	61,162.852	4,961.277	-3	2.1
4831,40684	2630,445755		60978M35	EGWO	49	4831,407	2299,983		16	M	M35f	60976M35	EGWO	44	43	-1	5	61,162.852	4,961.277	-1	5.9
4626,956837	3354,438653		60978M35	STWO	26	4626,957	3139,529		35	M	M35f	60976M35	STWO	26	23	-2	0	61,162.852	4,961.277	-3	-1.7
5236,842105	3803,636893		60984M35	STWO	39	5236,842	3896,323		1	M	M35c	60984M35	STWO	31	30	-1	8	61,162.852	4,961.277	-1	9.7
4900,828646	2652,561526		60984M35	EGWO	49	4900,829	2410,952		14	M	M35f	60984M35	EGWO	45	46	1	4	61,162.852	4,961.277	1	2.1
4545,999839	3553,554238		60984M35	STWO	22	4546	3527,211		53	M	M35f	60984M35	STWO	24	22	-2	-2	61,162.852	4,961.277	-3	-1.7
99760,01962	22308,73093		60992M35	EGWO	49	99760,02	15946,85		23	M	M35e	60992M35	EGWO	49	48	-1	0	61,162.852	32,197.911	-1	-1.7
4703,454897	3469,099467		60992M35	STWO	30	4703,455	3267,809		95	M	M35e	60992M35	STWO	30	25	-5	0	61,162.852	4,961.277	-5	-1.7
4994,784218	2580,368399		60992M35	EGWO	49	4994,784	2553,138		76	M	M35f	60992M35	EGWO	46	46	0	3	61,162.852	4,961.277	-1	2.1
4772,739871	3781,608637		60992M35	STWO	24	4772,74	3626,597		279	M	M35f	60992M35	STWO	23	21	-2	1	61,162.852	4,961.277	-3	2.1
5445,823498	4116,933944		60992M51	STWO	31	5445,823	3758,91		58	M	M51c	60992M51	STWO	27	24	-3	4	61,162.852	4,961.277	-3	2.1
4550,333122	2528,343919		61018M35	EGWO	49	4550,333	2264,171		31	M	M35e	61018M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4708,303772	3592,270605		61018M35	STWO	30	4708,304	3280,66		7	M	M35e	61018M35	STWO	25	24	-1	5	61,162.852	4,961.277	-1	5.9
4692,72449	2592,281412		61018M35	EGWO	48	4692,724	2221,204		50	M	M35f	61018M35	EGWO	46	45	-1	2	61,162.852	4,961.277	-1	2.1
4533,564705	3444,399857		61018M35	STWO	29	4533,565	3191,824		192	M	M35f	61018M35	STWO	26	23	-3	3	61,162.852	4,961.277	-3	2.1
4634,214831	2614,573548		61026M35	EGWO	49	4634,215	2289,421		7	M	M35e	61026M35	EGWO	45	45	0	4	61,162.852	4,961.277	-1	2.1
4855,164913	3453,292304		61026M35	STWO	29	4855,165	3339,338		47	M	M35e	61026M35	STWO	25	22	-3	4	61,162.852	4,961.277	-3	2.1
4815,063101	2653,177729		61034M35	EGWO	49	4815,063	2388,11		13	M	M35e	61034M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4989,590589	3995,684079		61034M35	STWO	26	4989,591	3696,308		165	M	M35e	61034M35	STWO	22	19	-3	4	61,162.852	4,961.277	-3	2.1
5352,676528	2665,899663		61042M35	EGWO	49	5352,677	2451,539		17	M	M35f	61042M35	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
4604,087298	2566,288835		61050M35	EGWO	49	4604,087	2269,866		8	M	M35e	61050M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4674,260139	3526,19639		61050M35	STWO	27	4674,26	3385,513		77	M	M35e	61050M35	STWO	25	23	-2	2	61,162.852	4,961.277	-3	2.1
4663,020788	2622,669429		61069M35	EGWO	49	4663,021	2319,732		19	M	M35f	61069M35	EGWO	42	44	2	7	61,162.852	4,961.277	3	5.9
4346,594907	3414,979379		61069M35	STWO	31	4346,595	2963,836		63	M	M35f	61069M35	STWO	23	21	-2	8	61,162.852	4,961.277	-3	9.7
4841,101695	2655,353185		61077M35	EGWO	49	4841,102	2342,88		12	M	M35e	61077M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4749,607043	3471,618845		61077M35	STWO	33	4749,607	2386,393		20	M	M35e	61077M35	STWO	29	27	-2	4	61,162.852	4,961.277	-3	2.1
4723,526535	2813,219264		61085M35	EGWO	49	4723,527	2733,755		4	M	M35e	61085M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4574,237805	3608,54088		61085M35	STWO	28	4574,238	3614,143		2	M	M35e	61085M35	STWO	26	22	-4	2	61,162.852	4,961.277	-5	2.1
4713,475791	3614,268979		61093M35	STWO	25	4713,476	3539,383		113	M	M35e	61093M35	STWO	27	23	-4	-2	61,162.852	4,961.277	-5	-1.7
4589,788375	2610,171739		61107M35	EGWO	49	4589,788	2319,334		15	M	M35f	61107M35	EGWO	44	45	1	5	61,162.852	4,961.277	1	5.9
4504,570975	3487,001292		61107M35	STWO	25	4504,571	3387,306		16	M	M35e	61107M35	STWO	25	23	-2	0	61,162.852	4,961.277	-3	-1.7
4644,547248	2567,829386		61107M35	EGWO	49	4644,547	2257,871		84	M	M35f	61107M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4560,377317	3546,249169		61107M35	STWO	24	4560,377	3455,521		138	M	M35f	61107M35	STWO	24	22	-2	0	61,162.852	4,961.277	-3	-1.7
4716,315142	2680,367249		61123M35	EGWO	49	4716,315	2407,564		10	M	M35e	61123M35	EGWO	44	45	1	5	61,162.852	4,961.277	1	5.9
4868,426891	2642,250287		61158M35	EGWO	49	4868,427	2366,11		16	M	M35e	61158M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4701,92971	2853,5321		61166M35	EGWO	45	4701,139	2584,447		20	M	M35f	61166M35	EGWO	40	39	-1	5	61,162.852	4,961.277	-1	5.9
5058,042005	2883,627572		61174M35	EGWO	49	5058,042	2522,623		10	M	M35e	61174M35	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
4814,17531	2707,031058		61182M35	EGWO	49	4814,175	2433,341		11	M	M35f	61182M35	EGWO	45	44	-1	4	61,162.852	4,961.277	-1	2.1
5070,171532	2941,198883		61204M35	EGWO	43	5070,172	2932,67		28	M	M35f	61204M35	EGWO	43	42	-1	0	61,162.852	4,961.277	-1	-1.7
5021,587578	3661,069519		61212M35	STWO	33	5021,588	3334,42		14	M	M35e	61212M35	STWO	31	27	-4	2	61,162.852	4,961.277	-5	2.1
5171,858715	2884,965432		61220M35	EGWO	48	5171,859	2686,742		16	M	M35f	61220M35	EGWO	47	44	-3	1	61,162.852	4,961.277	-3	2.1
4390,997521	2628,823063		61239M35	EGWO	44	4390,998	2362,918		36	M	M35f	61239M35	EGWO	43	40	-3	1	61,162.852	4,961.277	-3	2.1
4943,181818			61239M35	STWO	26	4943,182			1	M	M35f	61239M35	STWO	25	22	-3	1	61,162.852		-3	2.1
4910,69529	2619,827761		61247M35	EGWO	49	4910,695	2298,782		23	M	M35f	61247M35	EGWO	48	47	-1	1	61,162.852	4,961.277	-1	2.1
4890,156123	2671,930038		61363M35	EGWO	49	4890,156	2379,334		11	M	M35f	61363M

4294,117647	3536,163145	[redacted]	61484T94i	STWD	12	4294,118	3970,388	[redacted]	2	T	T94i	61484T94i	STWD	9	13	4	3	61.162.852	4,961.277	3	2.1
3486,525567	2799,295193		61492T94i	EGWD	28	3486,526	2779,517		4	T	T94i	61492T94i	EGWD	20	28	8	8	61.162.852	4,961.277	7	9.7
3108,487767	2223,160963		61506T94i	EGWD	31	3108,488	2133,94		36	T	T94i	61506T94i	EGWD	23	28	5	8	61.162.852	4,961.277	5	9.7
3582,750583	2498,51514		61514T94i	EGWD	29	3582,751	2550,276		11	T	T94i	61514T94i	EGWD	24	30	6	5	61.162.852	4,961.277	5	5.9
3205,477408	2557,216562		61522T94i	EGWD	28	3205,477	2507,133		4	T	T94i	61522T94i	EGWD	25	28	3	3	61.162.852	4,961.277	3	2.1
4269,607843	3460,089335		61522T94i	STWD	12	4269,608	2900,216		2	T	T94i	61522T94i	STWD	9	13	4	3	61.162.852	4,961.277	3	2.1
3363,051257	2406,066092		61530T94i	EGWD	28	3363,051	2405,186		13	T	T94i	61530T94i	EGWD	23	28	5	5	61.162.852	4,961.277	5	5.9
3582,387242	2545,357759		61557T94i	EGWD	28	3582,387	2579,153		17	T	T94i	61557T94i	EGWD	26	29	3	2	61.162.852	4,961.277	2	2.1
4276,435801	3698,343091		61573T93i	STWD	11	4276,436	3517,74		201	T	T93i	61573T93i	STWD	9	12	3	2	61.162.852	4,961.277	3	2.1
6589,778883	2943,689598		61581K23c	EGWD	49	6589,779	2584,137		6	K	K23d	61581K23c	EGWD		49			61,162.852	4,961.277		
6918,84156	4134,746481		61581K23c	STWD	45	6918,842	3790,296		331	K	K23d	61581K23c	STWD	42	40	-2	3	61.162.852	4,961.277	-3	2.1
4336,473239	2551,952762		61603F78d	EGWD	35	4336,473	2360,13		14	F	F78d	61603F78d	EGWD	33	36	3	2	61.162.852	4,961.277	3	2.1
6151,539078	3778,747632		61611E37c	EGWD	47	6158,081	3248,342		118	E	E37e	61611E37c	STWD	38	35	-3	9	61.162.852	4,961.277	-3	9.7
5228,257275	2720,206783		61646M35	EGWD	48	5228,257	2547,606		3	M	M35c	61646M35	EGWD	49	47	-2	-1	61.162.852	4,961.277	-3	-1.7
4837,214665	2510,270535		61654M35	EGWD	48	4837,387	2579,153		3	M	M35c	61654M35	EGWD	49	47	-2	-1	61.162.852	4,961.277	-3	-1.7
6341,093993	3854,643109		61700M35	EGWD	48	6341,094	4628,384		2	M	M35a	61700M35	EGWD	48	47	-1	0	61.162.852	4,961.277	-1	-1.7
5033,805998	3650,387759		61700M35	STWD	28	5033,806	3628,366		67	M	M35a	61700M35	STWD	30	28	-2	-2	61.162.852	4,961.277	-3	-1.7
4881,796826	3627,515261		61700M35	STWD	34	4881,797	3696,179		32	M	M35b	61700M35	STWD	28	26	-2	6	61.162.852	4,961.277	-3	5.9
4787,693225	3538,770084		61700M35	EGWD	49	4787,693	3252,752		60	M	M35c	61700M35	EGWD	49	47	-2	-2	61.162.852	4,961.277	-3	-1.7
5137,717576	3658,757655		61700M35	STWD	38	5137,772	3177,351		166	M	M35c	61700M35	STWD	31	30	-1	7	61.162.852	4,961.277	-1	5.9
4647,885821	2559,109077		61700M35	EGWD	49	4647,886	2206,613		5	M	M35e	61700M35	EGWD	48	45	-3	1	61.162.852	4,961.277	-3	2.1
4454,480592	3555,658713		61700M35	STWD	24	4454,481	3394,422		112	M	M35e	61700M35	STWD	23	20	-3	1	61.162.852	4,961.277	-3	2.1
4703,016192	2583,117398		61700M35	EGWD	49	4703,016	2212,591		5	M	M35f	61700M35	EGWD	45	45	0	4	61.162.852	4,961.277	-1	2.1
4563,203857	3542,894231		61700M35	STWD	26	4563,204	3356,657		163	M	M35f	61700M35	STWD	24	22	-2	2	61.162.852	4,961.277	-3	2.1
5463,076341	2798,619022		61700M51	EGWD	49	5463,076	2444,773		26	M	M51b	61700M51	EGWD	48	49	1	1	61.162.852	4,961.277	1	2.1
4999,659677	3554,242917		61700M51	STWD	34	4999,66	2620,336		21	M	M51b	61700M51	STWD	31	29	-2	3	61.162.852	4,961.277	-3	2.1
4252,552276	3369,235174		61700M51	STWD	24	4252,552	3218,646		23	M	M51c	61700M51	STWD	25	21	-4	-1	61.162.852	4,961.277	-5	-1.7
6309,031537	3353,848138		61719N73i	EGWD	41	6309,393	3680,603		15	N	N73b	61719N73i	EGWD	44	47	3	3	61.162.852	4,961.277	3	2.1
6355,329949	3313,262348		61727N73i	EGWD	45	6355,33	3516		1	N	N73b	61727N73i	EGWD	40	45	5	5	61.162.852	4,961.277	5	5.9
4722,799939	3651,087612		61875M35	STWD	22	4722,8	3495,937		9	M	M35f	61875M35	STWD	25	23	-2	-3	61.162.852	4,961.277	-3	-1.7
5659,611326	3886,344867		61905M33	STWD	40	5659,611	3159,751		55	M	M33a	61905M33	STWD	37	33	-4	3	61.162.852	4,961.277	-5	2.1
5635,644882	3783,879636		61921M33	STWD	33	5635,645	3766,302		191	M	M33a	61921M33	STWD	36	33	-3	-3	61.162.852	4,961.277	-3	-1.7
6593,309416	3945,928465		61956M33	STWD	40	6593,309	3881,059		20	M	M33a	61956M33	STWD	38	38	0	2	61.162.852	4,961.277	-1	2.1
6183,767779	3850,146606		61964M33	STWD	39	6183,768	3774,965		21	M	M33a	61964M33	STWD	37	38	1	2	61.162.852	4,961.277	1	2.1
4966,398851	3548,343629		61972M33	STWD	30	4966,399	3531,655		66	M	M33a	61972M33	STWD	33	29	-4	-3	61.162.852	4,961.277	-5	-1.7
7189,89929	4085,824889		61999K23c	STWD	49	7189,899	3603,066		97	K	K23d	61999K23c	STWD	47	43	-4	2	61.162.852	4,961.277	-5	2.1
7106,248552	4191,376417		62014K23c	STWD	47	7106,249	3775,931		90	K	K23d	62014K23c	STWD	45	41	-4	2	61.162.852	4,961.277	-5	2.1
6980	4224,696108		62022K23c	STWD	46	6980	3932,962		4	K	K23d	62022K23c	STWD	45	42	-3	1	61.162.852	4,961.277	-3	2.1
6283,11613	3952,189108		62081E42a	STWD	42	6283,116	3621,621		32	E	E42a	62081E42a	STWD	39	38	-1	3	61.162.852	4,961.277	-1	2.1
3307,031956	2323,670345		62111T93c	EGWD	32	3307,032	2214,347		65	T	T93d	62111T93c	EGWD	24	30	6	8	61.162.852	4,961.277	5	9.7
3720,493827	3204,695771		62111T93c	STWD	7	3720,494	2529,317		3	T	T93d	62111T93c	STWD	6	7	1	1	61.162.852	4,961.277	1	2.1
3332,40874	2535,082355		62138T93c	EGWD	24	3332,409	2292,764		60	T	T93d	62138T93c	EGWD	19	24	5	5	61.162.852	4,961.277	5	5.9
3825,199379	3525,362479		62138T93c	STWD	10	3825,199	3616,972		70	T	T93d	62138T93c	STWD	10	10	0	0	61.162.852	4,961.277	-1	-1.7
3463,796588	2541,96762		62146T93c	EGWD	22	3463,797	2345,987		10	T	T93d	62146T93c	EGWD	20	27	7	2	61.162.852	4,961.277	7	2.1
3270,492894	2390,940205		62154T93c	EGWD	29	3270,493	2317,324		18	T	T93d	62154T93c	EGWD	21	27	6	8	61.162.852	4,961.277	5	9.7
3329,311894	2435,533709		62162T93c	EGWD	29	3329,312	2364,752		8	T	T93d	62162T93c	EGWD	22	27	5	5	61.162.852	4,961.277	5	5.9
3415,929204	2763,487329		62170T93c	EGWD	27	3415,929	2773		1	T	T93d	62170T93c	EGWD	22	27	5	5	61.162.852	4,961.277	5	5.9
3321,547596	2322,367677		62189T93c	EGWD	32	3321,548	2230,774		9	T	T93d	62189T93c	EGWD	25	30	5	7	61.162.852	4,961.277	5	5.9
3639,175258	3220,48295		62189T93c	STWD	7	3639,175	2412,735		1	T	T93d	62189T93c	STWD	6	7	1	1	61.162.852	4,961.277	1	2.1
3179,312621	2464,955367		62219T93c	EGWD	22	3179,313	2517,086		11	T	T93d	62219T93c	EGWD	17	22	5	5	61.162.852	4,961.277	5	5.9
3614,460988	3288,832126		62219T93c	STWD	8	3614,461	3328,074		27	T	T93d	62219T93c	STWD	9	9	0	-1	61.162.852	4,961.277	-1	-1.7
3209,43036	2425,584869		62227T93c	EGWD	24	3209,43	2447,12		14	T	T93d	62227T93c	EGWD	18	25	7	6	61.162.852	4,961.277	7	5.9
3027,297206	2300,545837		62235T93c	EGWD	24	3027,297	2290,733		15	T	T93d	62235T93c	EGWD	17	24	7	7	61.162.852	4,961.277	7	5.9
10809,09091	4407,290571		62278A09e	EGWD	49	10809,09	4642,74		1	A	A09e	62278A09e	EGWD	49	49	0	0	61.162.852	4,961.277	-1	-1.7
7596,378328	3228,968158		62278A09f	EGWD	49	7596,378	2653,572		30	A	A09f	62278A09f	EGWD	49	49	0	0	61.162.852	4,961.277	-1	-1.7
6256,884742	4001,247267		62278A09f	STWD	33	6260,061	4182,341		237	A	A09f	62278A09f	STWD	40	36	-4	-7	61.162.852	4,961.277	-5	-5.5
4183,024657	2644,159308		62294T94i	EGWD	33	4183,025	2802,364		194	T	T94i	62294T94i	EGWD	32	37	5	1	61.162.852	4,961.277	5	2.1
3415,862717	2505,85558		62308T94i	EGWD	27	3415,863	2495,926		51	T	T94h	62308T94i	EGWD	25	27	2	2	61.162.852	4,961.277	1	2.1
3496,276259	2697,802679		62316T94i	EGWD	20	3496,276	2909,035		5	T	T94h	62316T94i	EGWD	18	23	5	2	61.162.852	4,961.277	5	2.1
3546,761358	2583,610352		62324T94i	EGWD	26	3546,761	2621,225		10	T	T94h	62324T94i	EGWD	23	28	5	3	61.162.852	4,961.277	5	2.1
3698,045532	2631,658468		62332T94i	EGWD	26	3698,046	2737,427		15	T	T94h	62332T94i	EGWD	24	29	5	2	61.162.852	4,961.277	5	2.1
3751,302083	2650,390277		62340T94i	EGWD	27	3751,302	2753,478		16	T	T94h	62340T94i	EGWD	24	29	5	3	61.162.852	4,961.277	5	2.1
3482,894813	3089,836876		62340T94i	STWD	10	3482,895	3121,034		84	T	T94h	62340T94i	STWD	6	11	5	4	61.162.852	4,961.277	5	2.1
3623,583079	2580,414078		62359T94i	EGWD	27	3623,583	2640,845		45	T	T94h	62359T94i	EGWD	24	29	5	3	61.162.852	4,961.277	5	2.1
3569,70101	2693,893297		62367T94i	EGWD	20	3569,701	2791,578		43	T	T94h	62367T94i	EGWD	19	25	6	1	61.162.852	4,961.277	5	2.1
3593,510093	2575,791124		62375T94i	EGWD	27	3593,51	2628,828		18	T	T94h	62375T94i	EGWD	22	28	6	5	61.162.852	4,961.277	5	5.9
3576,780088	2564,218483		62383T94i	EGWD	27	3576,78	2609,189		31	T	T94h	62383T94i	EGWD	23	28	5	4	61.162.852	4,961.277	5	2.1
4494,614942	4548,362289		62391T94i	EGWD	47	4494,042	4260,127		30	M	M35b	62391T94i	EGWD	46	43	-2	1	61.162.852	4,961.277	-3	2.1
5175,461714	3723,640879		62421M35	STWD	41	5175,462	3061,654		56	M	M35b	62421M35	STWD	31	28	-3	10	61.162.852	4,961.277	-3	9.7
4310,127918	2427,708904		62448M35	EGWD	47	4310,128	2244,177		54	M	M35b	62448M35	EGWD	45	43	-2	2	61.162.852	4,961.277	-3	2.1
5321,762551	3716,843433		62448M35	STWD	44	5321,763	2857,95		6	M	M35b	62448M35	STWD	31	30	-1	13	61.162.852	4,961.277	-1	13.5
4669,508235	2754,311125		62456M35	EGWD	42	4669,508	2363,866		14	M	M35b	62456M35	EGWD	44	43	-1	-2	61.162.852	4,961.277	-1	-1.7
5471,484759	3397,125935		62464M35	EGWD	42	5471,485	4063,44		2	M	M35b	62464M35	EGWD	44	43	-1	-2	61.162.852	4,961.277	-1	-1.7
5721,122449	3937,54876		62464M35	STWD	39	5577,122	3170,384		4	M	M35b	62464M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
4346,330946	2526,184444		62472M35	EGWD	42	4346,331	2739,39		4	M	M35b	62472M35	EGWD	44	43	-1	-2	61.162.852	4,961.277	-1	-1.7
4540,322581	3388,061978		62472M35	STWD	39	4540,323	3154,158		1	M	M35b	62472M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
5382,41242	3389,499172		62480M35	EGWD	37	5382,412	3994,226		21	M	M35b	62480M35	EGWD	39	38	-1	-2	61.162.852	4,961.277	-1	-1.7
4445,662677	3500,643816		62499N61i	STWD	30	4445,663	3425,753		120	N	N61b	62499N61i	STWD	23	22	-1	7	61.162.852	4,961.277	-1	5.9
5229,66404	2830,198261		62502N65c	EGWD	45	5229,664	2826,141		50	N	N65d	62502N65c	EGWD	43	46	3	2	61.162.852	4,961.277	3	2.1
5442,944281	3054,486722		62510N65c	EGWD	43	5442,944	2911,886		15	N	N65d	62510N65c	EGWD	42	44	2	1	61.162.852	4,961.277	1	2.1
5145,591508	3005,198574		62529N65c	EGWD	40	5145,592	2795,296		14	N	N65d	62529N65c	EGWD	40	42	2	0	61.162.852	4,961.277	1	-1.7
4984,054534	3015,02047		62537N65c	EGWD	40	4984,055	2796,658		27	N	N65d	62537N65c	EGWD	38	41	3	2	61.162.852	4,961.277	3	2.1
4901,602295	2926,784686		62545N65c	EGWD	40	4901,602	2825,689		28	N	N65d	62545N65c	EGWD	38	40	2	2	61.162.852	4,961.277	1	2.1
5022,244172	2980,199173		62553N65c	EGWD	40	5022,244	2831,643		28	N	N65d	62553N65c	EGWD	38	41	3	2	61.162.852	4,961.277	3	2.1
4901,272183	2953,345368		62561N65c	EGWD	40	4901,272	2807,132		29	N	N65d	62561N65c	EGWD	38	40	2	2	61.162.852	4,961.277	1	2.1
4942,280226	2955,806193		62588N65c	EGWD	40	4942,28	2922,429		34	N	N65d	62588N65c	EGWD	39	40	1	1	61.162.852	4,961.277	1	2.1
4848,796018	2896,318424		62596N65c	EGWD	40	4848,797	2808,102		17	N	N65d	62596N65c	EGWD	38	40	2	2	61.162.852	4,961.277	1	2.1
5317,759323	3790,029525		62650M56	STWD	30	5317,755	3734,758		564	M	M56h	62650M56	STWD	32	29	-3	-2	61.162.852	4,961.277	-3	-1.7
3950,591304	2547,145822		62677F81d	EGWD	35	3950,591	2460,375		25	F	F81d	62677F81d	EGWD	33	36	3	2	61.162.852	4,961.277	3	2.1
4307,292788	3599,03359		62677F81d	STWD	12	4307,293	3699,005		48	F	F81d	62677F81d	STWD	15	14	-1	-3	61.162.852	4,961.277	-1	-1.7
4576,79355	2490,407295		62685M35	EGWD	47	4576,794	2266,366		26	M	M35b	62685M35	EGWD	48	43	-5	-1	61.162.852	4,961.277	-5	-1.7
5031,471112	3552,571218		62685M35	STWD	44	5031,471	2542,802		31	M	M35b	62685M35	STWD	33	30	-3	11	61.162.852	4,961.277	-3	9.7
4944,146901	3458,267541		62707M35	STWD	39	4944,147	2239,858		2	M	M35b	62707M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
5137,743863	3130,705541		62723M35	EGWD	37	5137,744	3402,214		12	M	M35b	62723M35	EGWD	40	39	-1	-3	61.162.852	4,961.277	-1	-1.7
4492,042739	2502,513815		62758M35	EGWD	47	4492,042	2261,019		42	M	M35b	62758M35	EGWD	46	43	-3	1	61.162.852	4,961.277	-3	2.1
5034,17095	3517,138918		62758M35	STWD	39	5034,171	2465,862		2	M	M35b	62758M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
15540,66284	5137,326825		62766M35	EGWD	44	15540,66	2591,839		40	M	M35b	62766M35	EGWD	45	44	-1	-1	61.162.852	4,961.277	-1	-1.7
5147,250167	3538,032832		62766M35	STWD	39	5147,25	2535,359		4	M	M35b	62766M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
5145,608759	2892,047741		62774M35	EGWD	42	5145,609	2676,673		25	M	M35b	62774M35	EGWD	46	43	-3	-4	61.162.852	4,961.277	-3	-5.5
5846,49355	3842,84127		62774M35	STWD	39	5846,494	2977,468		4	M	M35b	62774M35	STWD	31	28	-3	8	61.162.852	4,961.277	-3	9.7
5302,56885	3251,532623		62782M35	STWD	38	5302,569	3270,13		5	M	M35b	62782M35	STWD	40	39	-1	-2	61.162.852	4,961.277	-1	-1.7
5525,274368	4246,672178		62782M35	STWD	34	5525,274	4128,366		5	M	M35b	62782M35	STWD	31	28	-3	3	61.162.852	4,961.277	-3	2.1
4255,599257	2597,014643		62790M35	EGWD	42	4255,599	2267,208		11	M	M35b	62790M35	EGWD	42	43	1	0	61.162.852	4,961.277	1	-1.7
4792,632718	3021,776706		62812M35	EGWD	42	4792,933	3334,839		3	M	M35b	62812M35	EGWD	44	43	-1	-2	61.162.852	4,961.277	-1	-1.7
4541,666667			62820M35	STWD	39	4541,667	2261,96		1	M	M35b	62820M35	STWD	31	28	-3	8	61.162.852		-3	9.7
5074,418605	3020,109172		62839M35	EGWD	42	5074,419	3366,494		2	M	M35b	62839M35	EGWD	44	43	-1	-2	61.162.852	4,961.277	-1	-1.7
5520,175004	3636,657067		62839M35	STWD	44	5520,175	2630,217		4	M	M35b	62839M35	STWD	36	33	-3	8	61.162.852	4,961.277	-3	9.7
5368,140359	3365,378562		62847M35	EGWD	37	5368,14	3628,835		29	M	M35b	62847M35	EGWD	39	38	-1	-2	61.162.852	4,961.277	-1	-1.7
5227,372908	2832,192345		62855M35	EGWD	47	5227,373	2753,148		21	M	M35b	62855M35	EGWD	47	43	-4	0	61.162.852	4,961.277	-5	-1.7
5311,338104	3125,377989		62863M35	EGWD	37	5311,338	3728,924		27	M	M35b	62863M35	EGWD	42	42	0	-5	61.162.852	4,961.277	-1	-5.5
5433,616988	3231,298962		62871M35	EGWD	44	5433,617	3014,896		14	M	M35b	62871M35	EGWD	44	43	-1	0	61.162.852	4,961.277	-1	-1.7
4021,683769	3352,501702		62928M35	STWD	39	4044,147	3113,86		28	M	M35b	62928M35	STWD	26	23	-3	8	61.162.852	4,961.277	-3	9.7
7205,827999	4453,92402		63045A05i	STWD	37	7205,828	4481,86		31	A	A05a	63045A05i	STWD	41	38	-3	-4	61.162.852	4,961.277	-3	-5.5
6110,897984	3927,952721		63053A05i	STWD	42	6110,898	3858,224		3	A	A05a	63053A05i	STWD	44	40	-4	-2	61.162.852	4,961.277	-5	-1.7
7188,56719	4422,269542		63061A05i	STWD	45	7188,567	3911,568		9	A	A05a	63061A05i	STWD	44	40	-4	1	61.162.852	4,961.277	-5	2.1
7407,902046	4331,2431		63096K23c	STWD	46	7407,902	3875,88		40	K	K23d	63096K23c	STWD	44	42	-2	2	61.162.852	4,961.277	-3	2.1
7329,385998	4248,605935		63118K23c	STWD	46	7329,386	3733,971		49	K	K23d	63118K23c	STWD	43	42	-1	3	61.162.852	4,961.277	-1	2.1
7496,999833	4290,701762		63134K23c	STWD	46	7497	3858,451		13	K	K23d	63134K23c	STWD	45	43	-2	1	61.162.852	4,961.277	-3	2.1
7721,947345	4430,783767		63142K23c	STWD	44	7721,947	4338,627		87	K	K23d	63142K23c	STWD	45	43	-2	-1	61.162.852	4,961.277	-3	-1.7
3655,507236	3825,521671		63150T70d	STWD	12	3655,507	3401,884		1005	T	T70d	63150T70d	STWD	5	7	2	7	61.162.852	4,961.277		5.9
5090,666667	2974,339776		63169N71i	EGWD	38	5090,667	2560,387		3	N	N71c	63169N71i	EGWD		41			61,162.852	4,961.277		
5709,593555	4009,485233		63169N71i	STWD	36	5709,594	3544,39		109	N	N71c	63169N71i	STWD	32	30	-2	4	61.162.852	4,961.277	-3	2.1
4605,042017	3416,567609		63169N71i	STWD	34	4605,042	3077,13		2	N	N71g	63169N71i	STWD	28	27	-1	6	61.162.852	4,961.277	-1	5.9
4005,936455	2526,640999		63177F78d	EGWD	35	4005,936	2332,759		16	F	F78d	63177F78d	EGWD	33	36	3	2	61.162.852	4,961.277	3	2.1
4317,307692	2592,738806		63185F78d	EGWD	35	4317,308	2398,7		8	F	F78d	63185F78d	EGWD	33	36	3	2	61.162.852	4,961.277	3	2.1
3940,327201			63185F78d	STWD	20	3940,327	3133,559		57	F	F78d	63185F78d	STWD	14	19	2	6	61.162.852		1	5.9
5672,027339	3084,125953		63347M33	EGWD	49	5672,027	2970,886		13	M	M33b	63347M33	EGWD	47	46	-1	2	61.162.852	4,961.277	-1	2.1
5308,658358	3734,606961		63347M33	STWD	40	5308,658	2971,49		6	M	M33b	63347M33	STWD	34	30	-4	6	61.162.852	4,961.277	-5	5.9
6536,964393	3211,64037		63347M33	EGWD	49	6536,964	2773,138		32	M	M33e	63347M33	EGWD	49	49	0	0	61.162.852	4,961.277	-1	-1.7
5547,741935	3696,035359		63347M33	STWD	36	5547,742	2719,705		6	M	M33e	63347M33	STWD	36	33	-3	0	61.162.852	4,961.277	-3	-1.7
3895,009785	3264,341484		63371T93c	STWD	7	3895,01	2403,637		4	T	T93d	63371T93c	STWD	6	7	1	1	61.162.852	4,961.277	1	2.1
6661,150515	4014,294608		63401A04i	STWD	42	6661,151	3767,554		33	A	A04a	63401A04i	STWD	41	38	-3	1	61.162.852	4,961.277	-3	2.1
6943,075159	4225,753507		63428A04i	STWD	45	6943,079	3796,237		83	A	A04a	63428A04i	STWD	42	39	-3	3	61.162.852	4,961.277	-3	2.1
5133,046307	2708,367226		63479M51	EGWD	49	5133,046	2413,71		5	M	M51b	63479M51	EGWD	47	46	-1	2	61.162.852	4,961.277	-1	2.1
4679,127932	3600,965747		63479M51	STWD	28	4679,128	3357,842		49	M	M51b	63479M51	STWD	25	23	-2	3	61.162.852	4,961.277	-3	2.1
5384,40668	2567,184329		63487M51	EGWD	49	5384,407	2541,728		43	M	M51b	63487M51	EGWD	47	47	0	2	61.162.852	4,961.277	-1	2.1
4458,333333	3331,05445		63487M51	STWD	29	4458,333	2882,66		1	M	M51b	63487M51	STWD	27	25	-2	2	61.162.852	4,961.277	-3	2.1
5332,384473	2727,239278		63495M51	EGWD	46	5332,384	2753,36		95	M	M51b	63495M51	EGWD	47	47	0	-1	61.162.852	4,961.277	-1	-1.7
5061,86648	3559,299211		63495M51	STWD	33	5061,866	3343,435		25	M	M51b	63495M51	STWD	32	30	-2	1	61.162.852	4,961.277	-3	2.1
6143,055556	3225,169583		63509M51	EGWD	47	6143,056	3255,2		8	M	M51c	63509M51	EGWD	45	48	3	2	61.162.852	4,961.277	3	2.1
5372,930867	3918,274946		63509M51	STWD	29	5372,931	4078,836		3	M	M51c	63509M51	STWD	27	25	-2	2	61.162.852	4,961.277	-3	2.1
10182,61

5258,49968	2792,775811	[redacted]	63673M51	EGWO	49	5258,5	2557,008	[redacted]	16	M	M51b	63673M51	EGWO	48	47	-1	1	61,162.852	4,961.277	-1	2.1
4752,570112	3572,498215		63673M51	STWO	27	4752,57	3467,561		11	M	M51b	63673M51	STWO	27	25	-2	0	61,162.852	4,961.277	-3	-1.7
4917,821108	2717,405753		63681M51	EGWO	49	4917,821	2400,373		32	M	M51b	63681M51	EGWO	47	45	2	2	61,162.852	4,961.277	3	2.1
4758,611187	3654,044537		63681M51	STWO	27	4758,611	3454,61		79	M	M51b	63681M51	STWO	25	24	-1	2	61,162.852	4,961.277	-1	2.1
4784,241804	2684,488161		63703M51	EGWO	48	4784,242	2212,367		19	M	M51b	63703M51	EGWO	45	44	-1	3	61,162.852	4,961.277	-1	2.1
5754,822807	2919,582276		63711M51	EGWO	49	5754,823	2824,901		15	M	M51b	63711M51	EGWO	47	49	2	2	61,162.852	4,961.277	1	2.1
5275,44157	2961,055197		63738M51	EGWO	45	5275,442	2921,673		9	M	M51b	63738M51	EGWO	47	44	-3	-2	61,162.852	4,961.277	-3	-1.7
4818,818898	2671,926649		63746M51	EGWO	49	4818,819	2326,687		49	M	M51b	63746M51	EGWO	46	45	-1	3	61,162.852	4,961.277	-1	2.1
5281,459546	3103,477969		63754M35	EGWO	43	5281,46	3043,459		18	M	M35a	63754M35	EGWO	46	42	-4	-3	61,162.852	4,961.277	-5	-1.7
5282,982999	2739,966085		63789M35	EGWO	49	5282,983	2503,677		13	M	M35a	63789M35	EGWO	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
4852,430556	2817,11451		63800M35	EGWO	48	4852,431	2385,525		2	M	M35a	63800M35	EGWO	48	47	-1	0	61,162.852	4,961.277	-1	-1.7
4944,858116	2641,583828		63819M35	EGWO	49	4944,858	2334,829		10	M	M35a	63819M35	EGWO	48	47	-1	1	61,162.852	4,961.277	-1	2.1
4816,610676	3654,099381		63819M35	STWO	23	4816,611	3687,875		22	M	M35a	63819M35	STWO	26	24	-2	-3	61,162.852	4,961.277	-3	-1.7
5828,025478	3138,600349		63827M35	EGWO	48	5828,025	2718,157		1	M	M35a	63827M35	EGWO	47	47	0	1	61,162.852	4,961.277	-1	2.1
5115,591944	3711,554777		63827M35	STWO	33	5115,592	3421,427		49	M	M35a	63827M35	STWO	28	26	-2	5	61,162.852	4,961.277	-3	5.9
4645,730169	2603,122308		63835M35	EGWO	48	9645,73	2262,441		2	M	M35a	63835M35	EGWO	48	47	-1	0	61,162.852	4,961.277	-1	-1.7
5394,906378	3604,049023		63835M35	STWO	28	5394,906	3879,443		41	M	M35a	63835M35	STWO	28	27	-1	0	61,162.852	4,961.277	-1	-1.7
4608,294151	2651,172173		63843M35	EGWO	48	4608,294	2339,691		3	M	M35a	63843M35	EGWO	48	47	-1	0	61,162.852	4,961.277	-1	-1.7
5511,024986	2723,272669		63851M35	EGWO	49	5511,024	2530,938		49	M	M35a	63851M35	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6149,092481	3866,928413		63878K23a	STWO		6149,092	3494,739		801	K	K23e	63878K23a	STWO					61,162.852	4,961.277		
5894,810027	3837,248322		63886K23a	STWO	39	5894,81	3365,218		80	K	K23e	63886K23a	STWO	38	35	-3	1	61,162.852	4,961.277	-3	2.1
3754,708112	2581,544675		63932T94a	EGWO	27	3754,708	2754,81		50	T	T94a	63932T94a	EGWO	27	32	5	0	61,162.852	4,961.277	5	-1.7
3420,634921	2728,027101		63940T94a	EGWO	32	3420,635	2656,767		2	T	T94a	63940T94a	EGWO	27	32	5	5	61,162.852	4,961.277	5	5.9
3352,309345	2238,966833		63959T94a	EGWO	33	3352,309	2253,276		7	T	T94a	63959T94a	EGWO	25	30	5	8	61,162.852	4,961.277	5	9.7
3395,007667	2360,357968		63967T94a	EGWO	32	3395,008	2296,668		19	T	T94a	63967T94a	EGWO	26	30	4	6	61,162.852	4,961.277	3	5.9
3394,219752	2406,482993		63975T94a	EGWO	31	3394,22	2343,062		24	T	T94a	63975T94a	EGWO	24	29	5	7	61,162.852	4,961.277	5	5.9
3681,067597	2482,022453		63983T94a	EGWO	31	3681,068	2521,307		21	T	T94a	63983T94a	EGWO	28	32	4	3	61,162.852	4,961.277	3	2.1
3388,157895	2361,963137		63991T94a	EGWO	33	3388,158	2282,38		16	T	T94a	63991T94a	EGWO	25	30	5	5	61,162.852	4,961.277	5	9.7
3715,366271	2737,220434		64009T94a	EGWO	32	3715,365	2772,157		4	T	T94a	64009T94a	EGWO	27	32	5	5	61,162.852	4,961.277	5	5.9
3388,586377	2335,958389		64017T94a	EGWO	34	3388,586	2249,788		16	T	T94a	64017T94a	EGWO	27	31	4	7	61,162.852	4,961.277	3	5.9
3720,640142	2495,898318		64025T94a	EGWO	31	3720,64	2549,262		9	T	T94a	64025T94a	EGWO	28	33	5	3	61,162.852	4,961.277	5	2.1
3728,990142	2450,753602		64033T94a	EGWO	33	3728,99	2499,753		63	T	T94a	64033T94a	EGWO	30	34	4	3	61,162.852	4,961.277	3	2.1
3465,927516	2395,184127		64041T94a	EGWO	32	3465,928	2349,459		47	T	T94a	64041T94a	EGWO	25	31	6	7	61,162.852	4,961.277	5	5.9
3396,027707	2344,998497		64076T94a	EGWO	33	3396,028	2269,133		8	T	T94a	64076T94a	EGWO	26	31	5	7	61,162.852	4,961.277	5	5.9
4141,585841	2550,402021		64106F82d	EGWO	43	4141,586	2348,864		27	F	F82d	64106F82d	EGWO	34	38	4	9	61,162.852	4,961.277	3	9.7
4008,196721	3262,142505		64106F82d	STWO	18	4008,197	2578,725		1	F	F82d	64106F82d	STWO	17	16	-1	1	61,162.852	4,961.277	-1	2.1
4100,604862	2487,898025		64114F82d	EGWO	44	4100,605	2270,174		54	F	F82d	64114F82d	EGWO	35	39	4	9	61,162.852	4,961.277	3	9.7
3882,026637	3132,189838		64114F82d	STWO	23	3882,027	2926,294		278	F	F82d	64114F82d	STWO	20	19	-1	3	61,162.852	4,961.277	-1	2.1
4355,43564	2608,687662		64122N68i	EGWO	46	4355,436	2374,857		19	N	N68d	64122N68i	EGWO	39	40	1	7	61,162.852	4,961.277	1	5.9
4654,296621	2771,43742		64130N68i	EGWO	44	4654,297	2619,018		8	N	N68d	64130N68i	EGWO	36	40	4	8	61,162.852	4,961.277	3	9.7
4686,612048	2703,162495		64149N68i	EGWO	45	4686,612	2558,682		12	N	N68d	64149N68i	EGWO	41	42	1	4	61,162.852	4,961.277	1	2.1
6506,766889	4221,058382		64203E39t	STWO	39	6506,767	3941,705		173	E	E39b	64203E39t	STWO	26	32	6	13	61,162.852	4,961.277	5	13.5
4881,55998	3607,723118		64211E39t	STWO	35	4881,56	3086,684		40	E	E39b	64211E39t	STWO	26	27	1	9	61,162.852	4,961.277	1	9.7
4715,508878	2633,423447		64238E39t	EGWO	49	4737,249	2338,713		20	E	E39b	64238E39t	EGWO	42	44	2	7	61,162.852	4,961.277	1	5.9
4688,267702	2642,578912		64246E39t	EGWO	49	4759,586	2322,351		14	E	E39b	64246E39t	EGWO	42	44	2	7	61,162.852	4,961.277	1	5.9
5021,966202	2676,645863		64254E39t	EGWO	49	5043,39	2338,636		37	E	E39b	64254E39t	EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9
5760,901704	2774,453808		64262E39t	EGWO	49	5760,902	2531,66		4	E	E39b	64262E39t	EGWO	45	47	2	4	61,162.852	4,961.277	1	2.1
5271,477327	2783,8566		64270E39t	EGWO	49	5278,573	2433,459		44	E	E39b	64270E39t	EGWO	47	48	1	2	61,162.852	4,961.277	1	2.1
4866,936325	3720,875825		64270E39t	STWO	35	4866,936	3302,309		160	E	E39b	64270E39t	STWO	26	27	1	9	61,162.852	4,961.277	1	9.7
3582,341013	2615,576434		64319T94i	EGWO	25	3582,341	2681,834		38	T	T94i	64319T94i	EGWO	25	27	2	0	61,162.852	4,961.277	1	-1.7
3336,834724	2364,813898		64327T94i	EGWO	29	3336,835	2357,6		20	T	T94i	64327T94i	EGWO	24	29	5	5	61,162.852	4,961.277	5	5.9
3927,656807	3326,353536		64327T94i	STWO	12	3927,657	3421,908		33	T	T94i	64327T94i	STWO	14	15	1	-2	61,162.852	4,961.277	1	-1.7
3517,173749	2741,872652		64335T94i	EGWO	23	3517,174	2732,894		5	T	T94i	64335T94i	EGWO	25	23	-2	-2	61,162.852	4,961.277	-3	-1.7
3756,101538	3192,813305		64335T94i	STWO	11	3756,102	3380,775		105	T	T94i	64335T94i	STWO	7	13	6	4	61,162.852	4,961.277	5	2.1
3454,643802	2353,656139		64343T94i	EGWO	33	3454,644	2326,912		9	T	T94i	64343T94i	EGWO	30	32	2	3	61,162.852	4,961.277	1	2.1
3562,069922	2483,925646		64351T94i	EGWO	29	3562,07	2531,526		6	T	T94i	64351T94i	EGWO	23	30	7	6	61,162.852	4,961.277	7	5.9
3411,831562	2343,143165		64378T94i	EGWO	32	3411,832	2313,431		14	T	T94i	64378T94i	EGWO	30	31	1	2	61,162.852	4,961.277	1	2.1
4023,40207	2442,624457		64386F81t	EGWO	43	4023,402	2153,161		15	F	F81b	64386F81t	EGWO	36	39	3	7	61,162.852	4,961.277	3	5.9
3768,863379	3238,663065		64386F81t	STWO	21	3768,863	2235,471		14	F	F81b	64386F81t	STWO	18	14	-4	3	61,162.852	4,961.277	-5	2.1
3707,235286	2310,420261		64394F81t	EGWO	39	3707,235	2257,852		6	F	F81b	64394F81t	EGWO	36	38	2	3	61,162.852	4,961.277	1	2.1
4040,61867	3313,485985		64394F81t	STWO	21	4040,619	2536,132		24	F	F81b	64394F81t	STWO	18	16	-2	3	61,162.852	4,961.277	-3	2.1
4501,840813	2684,987504		64408F86a	EGWO	46	4501,841	2418,668		8	F	F86a	64408F86a	EGWO	37	40	3	9	61,162.852	4,961.277	3	9.7
4886,901233	2819,546348		64416F78c	EGWO	41	4886,901	2891,266		23	F	F78c	64416F78c	EGWO	36	42	6	5	61,162.852	4,961.277	5	5.9
4069,019937	3479,146493		64416F78c	STWO	15	4069,02	3455,033		48	F	F78c	64416F78c	STWO	13	14	1	2	61,162.852	4,961.277	1	2.1
6839,210826	4002,79445		64459F87t	STWO	46	6839,211	3672,995		146	F	F87b	64459F87t	STWO	44	41	-3	2	61,162.852	4,961.277	-3	2.1
6053,099875	3887,034757		64467F87t	STWO	39	6053,1	3781,63		51	F	F87b	64467F87t	STWO	37	36	-1	2	61,162.852	4,961.277	-1	2.1
6476,121098	3916,392573		64475F87t	STWO	45	6476,121	3570,312		149	F	F87b	64475F87t	STWO	43	39	-4	2	61,162.852	4,961.277	-5	2.1
5402,676971	4210,139187		64486M51	EGWO	49	5402,6/9	3116,12		10	M	M51b	64486M51	EGWO	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
4980,404415	2613,488518		64491M35	EGWO	49	4990,404	2286,985		9	M	M35f	64491M35	EGWO	49	48	-1	0	61,162.852	4,961.277	-1	-1.7
4787,15526	3511,583006		64491M35	STWO	26	4787,155	2508,301		2	M	M35f	64491M35	STWO	25	22	-3	1	61,162.852	4,961.277	-3	2.1
5307,367395	2805,968319		64505M51	EGWO	49	5307,367	2593,307		11	M	M51b	64505M51	EGWO	46	48	2	3	61,162.852	4,961.277	1	2.1
4673,262901	3422,304236		64505M51	STWO	29	4673,263	2348,531		2	M	M51b	64505M51	STWO	27	25	-2	2	61,162.852	4,961.277	-3	2.1
5134,023146	2736,570061		64513M51	EGWO	49	5134,023	2346,675		70	M	M51b	64513M51	EGWO	48	47	-1	1	61,162.852	4,961.277	-1	2.1
4622,338912	3523,651463		64513M51	STWO	28	4622,339	3338,183		82	M	M51b	64513M51	STWO	25	24	-1	3	61,162.852	4,961.277	-1	2.1
4886,886938	4146,428407		64521N71f	STWO	23	4886,887	3771,366		622	N	N71f	64521N71f	STWO	19	15	-4	4	61,162.852	4,961.277	-5	2.1
4681,724696	3639,331248		64564F86a	STWO	29	4681,725	3200,849		46	F	F86a	64564F86a	STWO	24	24	0	5	61,162.852	4,961.277	-1	5.9
4378,135025	2593,175945		64572F86a	EGWO	47	4378,135	2330,857		15	F	F86a	64572F86a	EGWO	40	41	1	7	61,162.852	4,961.277	1	5.9
4153,846154	3287,72503		64572F86a	STWO	24	4153,846	2217,36		1	F	F86a	64572F86a	STWO	19	19	0	5	61,162.852	4,961.277	-1	5.9
4034,034019	2511,503135		64580F81t	EGWO	38	4034,034	2255,901		14	F	F81d	64580F81t	EGWO	36	38	2	2	61,162.852	4,961.277	1	2.1
3847,294951	2437,636257		64599F81t	EGWO	38	3847,295	2240,229		13	F	F81d	64599F81t	EGWO	34	37	3	4	61,162.852	4,961.277	3	2.1
4687,665518	3571,716894		64661N69j	STWO	21	4867,666	3679,573		35	N	N69j	64661N69j	STWO	27	23	-4	6	61,162.852	4,961.277	-5	-5.5
4978,825178	2696,196103		64696N65s	EGWO	49	4978,825	2321,818		37	N	N65d	64696N65s	EGWO	44	46	2	5	61,162.852	4,961.277	1	5.9
5145,288826	2815,829886		64718N65s	EGWO	49	5145,289	2532,23		10	N	N65d	64718N65s	EGWO	43	45	2	6	61,162.852	4,961.277	1	5.9
5258,085889	2974,997839		64726N65s	EGWO	47	5258,086	2803,788		6	N	N65d	64726N65s	EGWO	41	43	2	6	61,162.852	4,961.277	1	5.9
5155,124064	2759,601825		64734N65s	EGWO	49	5155,124	2567,487		22	N	N65d	64734N65s	EGWO	45	46	1	4	61,162.852	4,961.277	1	2.1
4922,619048	2937,627841		64742F78c	EGWO	38	4922,619	3060,688		7	F	F78c	64742F78c	EGWO	31	40	9	7	61,162.852	4,961.277	9	5.9
3870,64724	3941,553197		64742F78c	STWO	16	3870,647	2229,178		94	F	F78c	64742F78c	STWO	16	12	-4	0	61,162.852	4,961.277	-5	-1.7
4386,608113	2655,405737		64769F83a	EGWO	36	4386,608	2758,607		7	F	F83a	64769F83a	EGWO	34	36	2	2	61,162.852	4,961.277	1	2.1
7158,775041	4409,736983		64777K52r	STWO	44	7158,775	3980,224		50	K	K52h	64777K52r	STWO	40	38	-2	4	61,162.852	4,961.277	-3	2.1
4136,070481	2491,020763		64793F78t	EGWO	38	4136,07	2291,303		11	F	F78b	64793F78t	EGWO	34	38	4	4	61,162.852	4,961.277	3	2.1
4960,526316	3491,019571		64793F78t	STWO	31	4960,526	2588,546		1	F	F78b	64793F78t	STWO	20	21	1	11	61,162.852	4,961.277	1	9.7
4356,48513	2636,955709		64831N70i	EGWO	45	4356,485	2397,679		32	N	N70a	64831N70i	EGWO	39	39	0	6	61,162.852	4,961.277	-1	5.9
4427,350427	2714,727415		64858N70i	EGWO	44	4427,35	2463,98		12	N	N70a	64858N70i	EGWO	37	39	2	7	61,162.852	4,961.277	1	5.9
3429,759694	2388,403019		64874T94i	EGWO	32	3429,76	2376,114		11	T	T94a	64874T94i	EGWO	25	30	5	7	61,162.852	4,961.277	5	5.9
3379,262038	3364,783597		64912T94f	STWO	7	3379,262	3145,732		101	T	T94f	64912T94f	STWO	5	5	0	2	61,162.852	4,961.277	-1	2.1
4982,146223	2782,084019		64939N74i	EGWO	49	4982,146	2494,726		34	N	N74c	64939N74i	EGWO	40	44	4	9	61,162.852	4,961.277	3	9.7
4971,110779	2767,49023		64947N74i	EGWO	47	4971,12	2639,897		24	N	N74c	64947N74i	EGWO	39	44	5	8	61,162.852	4,961.277	5	9.7
4606,556917	2562,817709		64955N74i	EGWO	49	4606,557	2297,21		24	N	N74c	64955N74i	EGWO	40	44	4	9	61,162.852	4,961.277	3	9.7
4977,43323	3782,048544		64955N74i	STWO	26	4977,433	3631,047		61	N	N74c	64955N74i	STWO	23	24	1	3	61,162.852	4,961.277	1	2.1
4583,946072	2735,219936		64963N74i	EGWO	46	4583,946	2569,813		10	N	N74c	64963N74i	EGWO	36	40	4	10	61,162.852	4,961.277	3	9.7
4236,449218	3263,80568		64963N74i	STWO	30	4236,449	2945,866		24	N	N74c	64963N74i	STWO	26	22	-4	4	61,162.852	4,961.277	-5	2.1
5190,048885	2787,407746		64998N74i	EGWO	49	5190,049	2615,167		47	N	N74c	64998N74i	EGWO	42	46	4	7	61,162.852	4,961.277	3	5.9
6033,133333	4323,844507		64998N74i	STWO		6033,333	4613,208		1	N	N74c	64998N74i	STWO	21				61,162.852	4,961.277		
5252,585176	2835,92775		65005N74i	EGWO	49	5252,585	2694,754		29	N	N74c	65005N74i	EGWO	41	46	5	8	61,162.852	4,961.277	5	9.7
4393,23367	2516,626958		65013N74i	EGWO	49	4393,224	2199,22		60	N	N74c	65013N74i	EGWO	40	43	3	9	61,162.852	4,961.277	3	9.7
4233,566763	2445,628806		65021N74i	EGWO	48	4233,566	2210,4		53	N	N74c	65021N74i	EGWO	41	42	1	7	61,162.852	4,961.277	1	5.9
5220,477349	2797,324167		65048N65s	EGWO	49	5220,477	2666,501		13	N	N65d	65048N65s	EGWO	43	46	3	6	61,162.852	4,961.277	3	5.9
5183,667658	2765,86683		65056N65s	EGWO	49	5183,668	2607,459		23	N	N65d	65056N65s	EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9
4692,307692	3662,29755		65056N65s	STWO	21	4692,308	3700,727		1	N	N65d	65056N65s	STWO		26			61,162.852	4,961.277		
5214,882951	2793,206434		65064N65s	EGWO	49	5214,883	2615,71		21	N	N65d	65064N65s	EGWO	44	46	2	5	61,162.852	4,961.277	1	5.9
5353,938124	2858,357684		65072N65s	EGWO	45	5353,938	2663,405		3	N	N65d	65072N65s	EGWO	42	44	2	3	61,162.852	4,961.277	1	2.1
5338,491808	2841,109793		65080N65s	EGWO	48	5338,492	2754,033		9	N	N65d	65080N65s	EGWO	46	47	1	2	61,162.852	4,961.277	1	2.1
4570,700195	2623,661593		65188F81c	EGWO	45	4572	2329,634		24	F	F81c	65188F81c	EGWO	37	43	6	8	61,162.852	4,961.277	5	9.7
4443,312309	3948,506441		65188F81c	STWO	15	4443,313	3133,12		509	F	F81c	65188F81c	STWO	17	11	-6	-2	61,162.852	4,961.277	-7	-1.7
6408,456584	2930,999264		65196M29	EGWO	49	6408,457	2468,392		17	M	M29c	65196M29	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6441,941956	3867,808259		65196M29	STWO	40	6441,942	3874,647		82	M	M29c	65196M29	STWO	42	38	-4	-2	61,162.852	4,961.277	-5	-1.7
6650,126513	2891,198313		65218M29	EGWO	49	6650,127	2445,939		12	M	M29c	65218M29	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6679,332703	4165,969723		65226M29	STWO	47	6679,333	3473,686		5	M	M29c	65226M29	STWO	40	38	-2	7	61,162.852	4,961.277	-3	5.9
7247,995351	4283,720345		65269M29	STWO	47	7247,995	3592,406		16	M	M29c	65269M29	STWO	42	41	-1	5	61,162.852	4,961.277	-1	5.9
5888,910132	2762,61633		65285M29	EGWO	49	5888,911	2396,796		8	M	M29c	65285M29	EGWO	49	49	0	0	61,162.852	4,961.277	-1	-1.7
6651,93961	4047,253455		65285M29	STWO	39	6651,94	4022,68		67	M	M29c	65285M29	STWO	39	38	-1	0	61,162.852	4,961.277	-1	-1.7
5865,385949	3828,551543		65293M29	STWO	37	5865,386	3649,933		36	M	M29c	65293M29	STWO	38	34	-4	-1	61,162.852	4,961.277	-5	-1.7
6323,628978	4005,700635		65307E75c	STWO	44	6323,629	3453,734		54	E	E75c	65307E75c	STWO	35	36	1	9	61,162.852	4,961.277	1	9.7
6436,449149	3931,299171		65323E12a	STWO	46	6436,449	3446,266		94	E	E12a	65323E12a	STWO	42	39	-3	4	61,162.852	4,961.277	-3	2.1
5245,34553	2790,796044		65374N65s	EGWO	49	5245,346	2558,915		22	N	N65d	65374N65s	EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9
5259,975949	2812,708134		65382N65s	EGWO	49	5259,976	2584,858		26	N	N65d	65382N65s	EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9
4740,965569	2580,555771		65390F78c	EGWO	47	4740,966	2572,573		7	F	F78c	65390F78c	EGWO	38	45	7	9	61,162.852	4,961.277	7	9.7
6039,388796	3983,072922		65439N71f	STWO	36	6039,389	3839,8		361	N	N71h	65439N71f	STWO	40	33	-7	-4	61,162.852	4,961.277	-7	-5.5
5844,322165	3953,146691		65447N71f	STWO	34	5844,322	3796,142		148	N	N71h	65447N71f	STWO	40	31	-9	-6	61,162.852	4,961.277	-9	-5.5
6155,389959	3980,29222		65528N71f	STWO	41	6155,39	3588,621		133	N	N71h	65528N71f	STWO	42	38	-4	-1	61,162.852	4,961.277	-5	-1.7
6740,114337	3905,286305		65536N71f	STWO	43	6740,114	3368,52		115	N	N71h	65536N71f	STWO	43	39	-4	0	61,162.852	4,961.277	-5	-1.7
5510,621971	4033,933794		65544N71f	STWO	38	5510,622	3810,072		351	N	N71h	65544N71f	STWO	39	34	-5	-1	61,162.852	4,961.277	-5	-1.7
5102,257421	2705,102154		65609F77t	EGWO	49	5102,257	2481,707		10	F	F77b	65609F77t	EGWO	44	47	3	5	61,162.852	4,961.277	3	5.9
4750,874506	3532,480912		65609F77e	STWO	30	4750,875	3316,664		34	F	F77e	65609F77e	STWO		27			61,162.852	4,961.277		
5096,786906	2858,023134		65617F77t	EGWO	48	5096,787	2679,712		4	F	F77b	65617F77t	EGWO	43	45	2	5	61,162.852	4,961.277	1	5.9
5519,161927	2947,685686		65625F77t	EGWO	48	5519,162	2900,78		50	F	F77b	65625F77t	EGWO	43	47	4	5	61,162.852	4,961.277	3	5.9
5253,457061	2880,998889		65641F77t	EGWO	47	5253,457	2774,064		10	F	F77b	65641F77t	EGWO	41	45	4	6	61,162.852	4,961.277	3	5.9
3707,554497	2481,165172		65692T94g	EGWO	33	3707,554	2472,496		23	T	T94g	65692T94g	EGWO	30	33	3	3	61,162.852	4,961.277	3	2.1
3763,327913	2526,173224		65706T94g	EGWO	31	3763,328	2531,577		33	T	T94g	65706T94g	EGWO	29	31	2	2	61,162.852	4,961.277	1	2.1
3912,750899	3326,213369		65706T94g	STWO	12	3912,751	3410,966		26	T	T94g	65706T94g	STWO	5	15	10	7	61,162.852	4,961.277	9	5.9
3852,812579	2610,999019		65714T94g	EGWO	31	3852,813	2643,605		29	T	T94g	65714T94g	EGWO	28	32	4	3	61,162.852

6053,639016	3180,440021	[redacted]	66079M51	EGWD	42	6053,639	3457,849	[redacted]	43	M	M51a	66079M51	EGWD		49			61,162.852	4,961.277										
6205,630875	3235,105717		66095M51	EGWD	42	6205,64	3552,302		12	M	M51a	66095M51	EGWD		49			61,162.852	4,961.277										
6259,520758	3285,426396		66109M51	EGWD	42	6259,521	3558,783		9	M	M51a	66109M51	EGWD		49			61,162.852	4,961.277										
5757,313337	2909,588712		66117M51	EGWD	42	5757,313	3384,03		3	M	M51a	66117M51	EGWD		49			61,162.852	4,961.277										
6251,782311	3169,082428		66125M51	EGWD	42	6251,782	3537,765		4	M	M51a	66125M51	EGWD		49			61,162.852	4,961.277										
5952,425379	3116,598784		66133M51	EGWD	41	5952,425	3464,83		7	M	M51a	66133M51	EGWD		49			61,162.852	4,961.277										
6817,40298	3273,282449		66141M51	EGWD	42	6817,403	3525,055		2	M	M51a	66141M51	EGWD		49			61,162.852	4,961.277										
4432,002302	2545,151637		66192F83a	EGWD	36	4432,002	2643,972		10	F	F83a	66192F83a	EGWD	34	36	2	2	61,162.852	4,961.277	1	2.1								
4850,891329	2697,682761		66230F86a	EGWD	49	4850,891	2420,313		39	F	F86a	66230F86a	EGWD	42	46	2	7	61,162.852	4,961.277	1	5.9								
4328,300662	3497,968675		66230F86a	STWD	28	4328,301	3099,564		15	F	F86a	66230F86a	STWD	19	19	0	9	61,162.852	4,961.277	-1	9.7								
6359,522137	3248,348793		66249M51	EGWD	41	6359,522	3616,787		5	M	M51a	66249M51	EGWD		49			61,162.852	4,961.277										
4513,754837	2608,566308		66311N70b	EGWD	46	4513,755	2421,117		11	N	N70a	66311N70b	EGWD	42	42	0	4	61,162.852	4,961.277	-1	2.1								
4033,973816	3357,691286		66311N70b	STWD	16	4033,974	3090,578		64	N	N70a	66311N70b	STWD	10	12	2	6	61,162.852	4,961.277	1	5.9								
4482,691314	2577,746108		66338N70b	EGWD	47	4482,691	2389,857		20	N	N70a	66338N70b	EGWD	42	42	0	5	61,162.852	4,961.277	-1	5.9								
3241,291433	3410,777561		66400N74b	EGWD	36	3241,202	3643,983		294	N	N74b	66400N74b	EGWD	17				61,162.852	4,961.277										
4900,280243	2631,918108		66400N74c	EGWD	49	4900,28	2465,263		51	N	N74c	66400N74c	EGWD	39	46	7	10	61,162.852	4,961.277	7	9.7								
6213,314363	4575,038299		66451F87f	STWD	37	6213,314	3915,635		20	F	F87f	66451F87f	STWD					61,162.852	4,961.277										
3297,548551	3663,799532		66613T93f	STWD	5	3297,549	3425,204		184	T	T93f	66613T93f	STWD		5			61,162.852	4,961.277										
6613,561329			66710M58	EGWD	49	6613,561			9	M	M58g	66710M58	EGWD		49			61,162.852											
7261,776799	4143,682533		66710M58	STWD	49	7325,408	3411,992		19	M	M58g	66710M58	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7								
6271,893815	3043,277517		66729M58	STWD	45	6271,894	3644,88		6	M	M58g	66729M58	STWD	40	39	-1	5	61,162.852	4,961.277	-1	5.9								
8353,599651	5064,40928		66737M58	STWD	49	8358,796	3966,962		409	M	M58g	66737M58	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9								
5996,268657			66745M58	STWD	49	5996,269	3068,95		2	M	M58g	66745M58	STWD	40	39	-1	9	61,162.852		-1	9.7								
7648,025155	4567,364616		66753M58	STWD	49	7648,025	3576,482		37	M	M58g	66753M58	STWD	42	40	-2	7	61,162.852	4,961.277	-3	5.9								
7191,111111	3013,866843		66761M58	EGWD	49	7191,111	2230,221		5	M	M58g	66761M58	EGWD		49			61,162.852	4,961.277										
7421,372996	4618,733111		66761M58	STWD	48	7424,856	3778,917		545	M	M58g	66761M58	STWD	40	39	-1	8	61,162.852	4,961.277	-1	9.7								
7960,876246	4686,225681		66788M58	STWD	45	7960,876	3958,968		42	M	M58g	66788M58	STWD	42	41	-1	3	61,162.852	4,961.277	-1	2.1								
6494,117647	3828,019309		66796M58	STWD	45	6494,118	3644,88		1	M	M58g	66796M58	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7								
6494,117647	3828,019309		66818M58	STWD	49	6494,118	2182,837		1	M	M58g	66818M58	STWD	40	39	-1	9	61,162.852	4,961.277	-1	9.7								
5031,074456	2869,87069		69643M34	EGWD	43	5050,005	3331,45		35	M	M34f	69643M34	EGWD		43			61,162.852	4,961.277										
5504,752017	3546,23215		69643M34	STWD	41	5520,439	2694,887		61	M	M34f	69643M34	STWD	30	30	0	11	61,162.852	4,961.277	-1	9.7								
5132,48087	2977,064607		69644M34	EGWD	39	5163,178	3009,89		35	M	M34f	69644M34	EGWD		42			61,162.852	4,961.277										
5487,949106	3864,491434		69644M34	STWD	38	5487,949	3425,466		227	M	M34f	69644M34	STWD	31	29	-2	7	61,162.852	4,961.277	-3	5.9								
5368,358634	3215,853745		69645M34	EGWD	43	5368,359	2747,127		2	M	M34f	69645M34	EGWD		43			61,162.852	4,961.277										
5324,060776	3766,781231		69645M34	STWD	35	5327,28	3435,046		442	M	M34f	69645M34	STWD	30	29	-1	5	61,162.852	4,961.277	-1	5.9								
5295,550014	3725,511166		69647M34	STWD	35	5295,55	3361,002		239	M	M34f	69647M34	STWD	30	29	-1	5	61,162.852	4,961.277	-1	5.9								
6122,233009	4570,096309		69648M34	STWD	41	6122,233	3531,715		146	M	M34f	69648M34	STWD	30	31	1	11	61,162.852	4,961.277	1	9.7								
5380,95952	2910,852087		69650M34	EGWD	43	5380,96	2312,37		4	M	M34f	69650M34	EGWD		43			61,162.852	4,961.277										
5965,096221	4335,865671		69650M34	STWD	31	5965,096	3812,85		30	M	M34f	69650M34	STWD	30	27	-3	1	61,162.852	4,961.277	-3	2.1								
5354,465549	3783,508399		69655M34	STWD	33	5365,234	3570,638		306	M	M34f	69655M34	STWD	29	28	-1	4	61,162.852	4,961.277	-1	2.1								
5748,488831	4037,101258		69656M34	STWD	35	5748,487	3745,462		99	M	M34f	69656M34	STWD	28	30	2	7	61,162.852	4,961.277	1	5.9								
6682,089078	4354,008789		69657M34	STWD	36	6682,089	3732,93		416	M	M34f	69657M34	STWD	30	29	-1	6	61,162.852	4,961.277	-1	5.9								
1100			69658T93c	STWD	8	1100			9	T	T93c	69658T93c	STWD		11			61,162.852											
3908,133333	3465,656972		69659T93c	STWD	8	3908,333	3580,122		30	T	T93c	69659T93c	STWD	11	11	0	-3	61,162.852	4,961.277	-1	-1.7								
7856,204162	4280,57384		69666A05c	STWD	47	7856,204	4004,754		55	A	A05a	69666A05c	STWD	44	40	-4	3	61,162.852	4,961.277	-5	2.1								
6240,178223	4179,242308		69668N71c	STWD	45	6240,178	3379,879		26	N	N71c	69668N71c	STWD	36	35	-1	9	61,162.852	4,961.277	-1	9.7								
5428,490801	3227,735444		69670N71c	EGWD	38	5428,491	3370,836		14	N	N71c	69670N71c	EGWD		41			61,162.852	4,961.277										
5811,425562	3957,843413		69670N71c	STWD	38	5811,426	3588,064		32	N	N71c	69670N71c	STWD	35	32	-3	3	61,162.852	4,961.277	-3	2.1								
4673,151022	2743,742788		69672N71c	EGWD	43	4673,151	2351,054		5	N	N71c	69672N71c	EGWD	42	41	-1	1	61,162.852	4,961.277	-1	2.1								
5760,21182	3863,26034		69672N71c	STWD	43	5760,212	3253,614		43	N	N71c	69672N71c	STWD	33	32	-1	10	61,162.852	4,961.277	-1	9.7								
4417,444681	2602,63506		69673FB6b	EGWD	47	4417,445	2323,439		25	F	F86b	69673FB6b	EGWD	38	41	3	9	61,162.852	4,961.277	3	9.7								
5346,719559	3612,384345		69673FB6b	STWD	34	5346,72	3540,386		88	F	F86b	69673FB6b	STWD	30	28	-2	4	61,162.852	4,961.277	-3	2.1								
5538,458882			69677M51	EGWD	49	5538,459	2877,297		12	M	M51b	69677M51	EGWD	47	46	-1	2	61,162.852		-1	2.1								
5975,221105	3817,87154		69678E18E	STWD	48	5975,221	2812,226		6	E	E18b	69678E18E	STWD	41	38	-3	7	61,162.852	4,961.277	-3	5.9								
5539,106108	3295,196813		69679N71c	EGWD	37	5539,106	3168,752		18	N	N71c	69679N71c	EGWD		42			61,162.852	4,961.277										
5680,533608	3844,471634		69679N71c	STWD	45	5680,534	2703,825		9	N	N71c	69679N71c	STWD	36	35	-1	9	61,162.852	4,961.277	-1	9.7								
6060,229768	4339,659005		69681M55	STWD	36	6060,23	3846,024		455	M	M55b	69681M55	STWD	28	28	0	8	61,162.852	4,961.277	-1	9.7								
4817,973935	3672,442043		69682E39c	STWD	33	4817,974	3224,223		45	E	E39d	69682E39c	STWD	28	25	-3	5	61,162.852	4,961.277	-3	5.9								
4973,779086	2772,347105		69686N67c	EGWD	44	4973,779	2631,989		44	N	N67a	69686N67c	EGWD	42	40	-2	2	61,162.852	4,961.277	-3	2.1								
4738,28104	2740,891778		69687N67c	EGWD	44	4738,281	2515,906		34	N	N67a	69687N67c	EGWD	37	40	3	7	61,162.852	4,961.277	3	5.9								
8226,306902	3893,86306		69690E39a	EGWD		8226,306	3732,445		3	E	E39a	69690E39a	EGWD				0	61,162.852	4,961.277										
6543,341244	3030,818952		69696M29	EGWD	49	6543,341	2608,556		18	M	M29c	69696M29	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7								
5447,443114	3744,117471		69701N60i	STWD	36	5447,443	3483,2		63	N	N60a	69701N60i	STWD	32	31	-1	4	61,162.852	4,961.277	-1	2.1								
7071,591242	4565,206826		69702A09c	STWD	32	7071,591	4579,452		6	A	A09e	69702A09c	STWD	38	35	-3	-6	61,162.852	4,961.277	-3	-5.5								
6611,582599	4203,12692		69703A09c	STWD	32	6611,583	4348,944		66	A	A09e	69703A09c	STWD	39	36	-3	-7	61,162.852	4,961.277	-3	-5.5								
4992,380286	2782,845709		69705N68c	EGWD	47	4992,38	2633,488		45	N	N68d	69705N68c	EGWD	44	44	0	3	61,162.852	4,961.277	-1	2.1								
4863,52541	2859,01139		69705N68e	EGWD	44	4863,525	2713,005		7	N	N68e	69705N68e	EGWD	39	41	2	5	61,162.852	4,961.277	1	5.9								
3081,479719	4706,172183		69706N68e	EGWD	48	3403,48	4600,864		18	N	N68d	69706N68e	EGWD	44	44	0	4	61,162.852	4,961.277	-1	2.1								
7406,82276	4263,517862		69708E18E	STWD	43	7406,823	4184,18		30	E	E18b	69708E18E	STWD	44	42	-2	-1	61,162.852	4,961.277	-3	-1.7								
6154,907299	2833,452185		69709M29	EGWD	49	6154,907	2464,211		28	M	M29c	69709M29	EGWD	49	49	0	0	61,162.852	4,961.277	-1	-1.7								
5065,217391	2655,354603		69710N71c	EGWD	38	5065,217	2177,28		1	N	N71c	69710N71c	EGWD		41			61,162.852	4,961.277										
5392,151564	3543,939039		69711N71c	EGWD	34	5392,152	3561,619		13	N	N71c	69711N71c	EGWD		38			61,162.852	4,961.277										
6529,173776	4060,112413		69711N71c	STWD	45	6529,174	3342,863		11	N	N71c	69711N71c	STWD	36	35	-1	9	61,162.852	4,961.277	-1	9.7								
4770,801921	2940,80611		69712N71c	EGWD	38	4770,802	2627,41		2	N	N71c	69712N71c	EGWD		41			61,162.852	4,961.277										
6124,64046	3817,444881		69712N71c	STWD	40	6124,64	2727,789		31	N	N71c	69712N71c	STWD	31	30	-1	9	61,162.852	4,961.277	-1	9.7								
6241,472659	4015,323509		69716K52f	STWD	43	6241,473	3546,036		79	K	K52h	69716K52f	STWD	45	35	-10	-2	61,162.852	4,961.277	-9	-1.7								
4820,814721	2787,897381		69721N68i	EGWD	45	4820,815	2643,059		9	N	N68c	69721N68i	EGWD	44	42	-2	1	61,162.852	4,961.277	-3	2.1								
4449,742852	2572,950287		69723F81e	EGWD	33	4449,743	2435,479		19	F	F81e	69723F81e	EGWD	33	35	2	0	61,162.852	4,961.277	1	-1.7								
5065,930164	2998,58723		69724F88E	EGWD	32	5065,93	3530,052		12	F	F88b	69724F88E	EGWD	36	41	5	4	61,162.852	4,961.277	5	-5.5								
4957,24207	2998,376599		69725F88E	EGWD	33	4957,242	3315,978		17	F	F88b	69725F88E	EGWD	37	41	4	4	61,162.852	4,961.277	3	-5.5								
4951,282051	2844,185589		69726F78B	EGWD	38	4951,282	3086,273		13	F	F78b	69726F78B	EGWD	34	38	4	4	61,162.852	4,961.277	3	2.1								
4658,579261	2950,873885		69727T98L	EGWD	24	4811,916	3626,398		16	T	T98b	69727T98L	EGWD	33	37	4	-9	61,162.852	4,961.277	3	-9.3								
5939,555616	2920,467464		69730N71j	EGWD	49	5939,556	2384,225		19	N	N71g	69730N71j	EGWD	44	49	5	5	61,162.852	4,961.277	5	5.9								
5221,036912	3746,785422		69732N71c	STWD	36	5221,037	3271,166		31	N	N71g	69732N71c	STWD	29	28	-1	7	61,162.852	4,961.277	-1	5.9								
6039,370608	2895,760579		69734N71j	EGWD	49	6039,371	2366,668		11	N	N71g	69734N71j	EGWD	43	49	6	6	61,162.852	4,961.277	5	5.9								
5670,435583	3901,266838		69734N71j	STWD	38	5670,436	3538,087		36	N	N71g	69734N71j	STWD	28	31	3	10	61,162.852	4,961.277	3	9.7								
5197,859949	3826,619357		69736F77b	EGWD	47	5197,859	2745,327		5	F	F77b	69736F77b	EGWD	43	46	3	4	61,162.852	4,961.277	3	2.1								
3722,437197	2411,389076		69740T94a	EGWD	35	3722,437	2426,741		19	T	T94a	69740T94a	EGWD	31	35	4	4	61,162.852	4,961.277	3	2.1								
4480	3793,416288		69740T94a	STWD	20	4480	3294,56		3	T	T94a	69740T94a	STWD	12	10	-2	8	61,162.852	4,961.277	-3	9.7								
3741,885429	2568,440129		69741T94a	EGWD	32	3741,885	2538,256		12	T	T94a	69741T94a	EGWD	28	31	3	4	61,162.852	4,961.277	3	2.1								
3731,481481	2570,732267		69742T94a	EGWD	33	3731,481	2518,208		12	T	T94a	69742T94a	EGWD	28	31	3	5	61,162.852	4,961.277	3	5.9								
3719,098707	2524,788562		69743T94a	EGWD	33	3719,099	2502,022		35	T	T94a	69743T94a	EGWD	29	32	3	4	61,162.852	4,961.277	3	2.1								
4480	4016,580554		69743T94a	STWD	20	4480	4828,862		3	T	T94a	69743T94a	STWD	12	10	-2	8	61,162.852	4,961.277	-3	9.7								
3730,769231	2535,553557		69744T94a	EGWD	33	3730,769	2485,228		12	T	T94a	69744T94a	EGWD	28	32	4	5	61,162.852	4,961.277	3	5.9								
3722,745258	2528,379107		69745T94a	EGWD	33	3722,745	2494,184		36	T	T94a	69745T94a	EGWD	29	32	3	4	61,162.852	4,961.277	3	2.1								
3735,042735	2571,469192		69746T94a	EGWD	33	3735,043	2520,248		12	T	T94a	69746T94a	EGWD	26	31	5	7	61,162.852	4,961.277	5	5.9								
4744,292755	2601,275207		69750F89c	EGWD	49	4744,293	2344,782		24	F	F89c	69750F89c	EGWD	41	45	4	8	61,162.852	4,961.277	3	9.7								
7053,888114	4463,741248		69754A09c	STWD	38	7053,888	4399,116		7	A	A09d	69754A09c	STWD	39	37	-2	-1	61,162.852	4,961.277	-3	-1.7								
5550,780711	3034,068122		69770M34	EGWD	48	5550,781	2348,97		6	M	M34f	69770M34	EGWD		45			61,162.852	4,961.277										
5171,064361	2787,236601		69771M34	EGWD	43	5171,064	2571,09		2	M	M34f	69771M34	EGWD		43			61,162.852	4,961.277										
5445,436508	2766,51579		69772M34	EGWD	43	5445,437	2381,302		2	M	M34f	69772M34	EGWD		43			61,162.852	4,961.277										
5947,916667	4150,910848		69772M34	STWD	36	5947,917	3297,875		2	M	M34f	69772M34	STWD	30	29	-1	6	61,162.852	4,961.277	-1	5.9								
5299,801898	3148,463369		69773M34	EGWD	43	5299,802	2657,219		3	M	M34f	69773M34	EGWD		43			61,162.852	4,961.277										
5891,826923	4290,828237		69773M34	STWD	36	5891,827	3713,71		2	M	M34f	69773M34	STWD	30	29	-1	6	61,162.852	4,961.277	-1	5.9								
3796,578066	4038,632646		69775T93c	STWD	5	3796,578	3730,058		593	T	T93d	69775T93c	STWD	5	5	0	0	61,162.852	4,961.277	-1	-1.7								
7501,38232	3659,200193		69780M58	EGWD	49	7515,992	3055,939		7	M	M58b	69780M58	EGWD					61,162.852	4,961.277										
6455,8096	4174,460579		69780M58	STWD	47	6495,537	3432,064		147	M	M58b	69780M58	STWD		36			61,162.852	4,961.277										
7902,857143			69781M58	EGWD	49	7902,857	3059,859		1	M	M58b	69781M58	EGWD					61,162.852											
6578,570141	4081,267138		69781M58	STWD	49	6578,57	3364,88		36	M	M58b	69781M58	STWD		38			61,162.852	4,961.277										
6075,45341	3949,876411		69787M33	STWD	35	6075,453	3916,388		40	M	M33j	69787M33	STWD	38	36	-2	-3	61,162.852	4,961.277	-3	-1.7								
5909,686832	3938,056033		69793M33	STWD	32	5909,687	4012,942		99	M	M33j	69793M33	STWD	36	33	-3	-4	61,162.852	4,961.277	-3	-5.5								
6593,796657	3144,098051		69815N73i	EGWD	49	6593,797	2800,573		12	N	N73h	69815N73i	EGWD	48	49	1	1	61,162.852	4,961.277	1	2.1								
5171,428571	4401,06577		69824F87e	EGWD		5171,429	4727,24		1	F	F87e	69824F87e	EGWD					61,162.852	4,961.277										
4500	3368,165177		69824F87e	STWD		4500	2235,43		1	F	F87e	69824F87e	STWD					61,162.852	4,961.277										
5603,382624	2726,076297		98000N71j	EGWD	49	5603,383	2218,577		16	N	N71g	98000N71j	EGWD	43	49	6	6	61,162.852	4,961.277	5	5.9								
6928,451975	4127,93888		98003M58	STWD	47	6941,891	3662,35		152	M	M58g	98003M58	STWD	40	39	-1	7	61,162.852	4,961.277	-1	5.9								
6015,069814	2902,95684		98006N71j	EGWD	49	6015,07	2389,937		8	N	N71g	98006N71j	EGWD	46	49	3	3	61,162.852	4,961.277	3	2.1								
5166,736018	3163,733986		98007M35	EGWD	42	5166,736	2980,008		14	M	M35b	98007M35	EGWD	44	43	-1	-2	61,162.852	4,961.277	-1	-1.7								
6841,319036	4085,156745		98014E12a	STWD	48	6841,319	3359,17		228	E	E12a	98014E12a	STWD	42	41	-1	7	61,162.852	4,961.277	-1	5.9								
5441,1113	2884,142769		98017N65i	EGWD	49	5441,111	2781,781		22	N	N65d	98017N65i	EGWD	45	47	2	4	61,162.852	4,961.277	2	2.1								
6067,79661	4048,378089		98019F87f	STWD	36	6067,797	3917,807		2	F	F87f	98019F87f	STWD					61,162.852	4,961.277										
4971,40941	2775,416768		98020N65i	EGWD	47	4971,409	2571,781		14	N	N65d	98020N65i	EGWD	42	43	1	5	61,162.852	4,961.277	1	5.9								
5341,924575	2873,215451		98022N65i	EGWD	49	5341,925	2650,124		13	N	N65d	98022N65i	EGWD	42	46	4	7	61,162.852	4,961.277	3	5.9								
5583,581408	3982,123164		98025E39c	STWD	33	5583,581	3651,24		231	E	E39d	98025E39c	STWD	29	29	0	4	61,162.852	4,961.277	-1	2.1								
4857,91031	2842,97014		98028N74i	EGWD	40	4857,91	2643,539		12	N	N74c	98028N74i	EGWD	39	41	2	1	61,162.852	4,961.277	1	2.1								
5437,097565	2894,144088		98029N74i	EGWD	48	5437,098	2805,138		6	N	N74c	98029N74i	EGWD	39	46	7	9	61,162.852	4,961.277	7	9.7								
5042,377646	3632,463668		98031N74i	STWD	45	5042,378	2755,524		32	N	N74c	98031N74i	STWD	31	29	-2	14	61,162.852	4,961.277	-3	13.5								
5377,336361	3088,221029		98032N67i	EGWD	44	5377,336	2999,631		15	N	N67a	98032N67i	EGWD	37	40	3	7	61,162.852	4,961.277	3	5.9								
5185,797318	2771,622791		98033N67i	EGWD	44	5185,797	2530,235		10	N	N67a	98033N67i	EGWD	37	45	8	7	61,162.852	4,961.277	7	5.9								
4934,663218	3053,084395		98034N67i	EGWD	39	4934,663	3659,8		2	N	N67a	98034N67i	EGWD	37	40	3	2	61,162.852	4,961.277	3	2.1								
5643,146997	3041,912634		98035N67i	EGWD	39	5643,147	2961,915		4	N	N67a	98035N67i	EGWD	37	40	3	2	61,162.852	4,961.277	3	2.1								
6757,66194	4410,911198		98037M58	STWD	46	6757,662	3670,383		162	M	M58b	98037M58	STWD		35			61,162.852	4,961.277										
5659,090134	3306,5528		98038N67i	EGWD	39	5659,09	3416,559		10	N	N67a	98038N67i	EGWD	37	45	8	2	61,162.852	4,961.277	7	2.1								
5572,842664	2981,179209		98042N67i	EGWD	39	5572,843	2742,093		3	N	N67a	98042N67i	EGWD	37	40	3	2	61,162.852	4,961.277	3	2.1								
6408,677038	3383,855799		98043M35	EGWD	48	6408,677	4155,964		8	M	M35a	98043M35	EGWD	48	47	-1	0	61,162.852	4,961.277	-1	-1.7								
4764,383888	2654,542617		98044M35	EGWD	49	4764,384	2374,595		12	M	M35a	98044M35	EGWD	48	46	-2	1	61,162.852	4,961.277	-3	2.1								
5252,917254	3843,056043		98044M35	STWD	28	5252,917	3661,248		4	M	M35a	98044M35	STWD	28	27	-1	0	61,162.852	4,961.277	-1	-1.7								

<