

COADD_ID	RA	Dec	gmag	q	g-i	$\langle \mu_{eff,g} \rangle$	r_e
	J2000	J2000	[mag]		[mag]	[magarcsec ⁻²]	[arcsec]
1034572836	0.3525	-5.8594	19.56	0.94	0.45	24.54	3.96
1035807692	0.4656	0.2962	20.75	0.79	0.65	25.04	2.88
1035811051	0.6245	0.2504	19.01	0.34	0.46	26.03	10.12
1036556392	0.5575	1.6104	18.74	0.87	0.47	24.08	4.68
1036272857	0.8660	-2.3660	19.53	0.64	0.41	25.04	5.03
1036670869	0.7984	3.1376	19.27	0.58	0.65	24.28	4.00
1037097366	0.5218	3.7217	19.67	0.84	0.58	24.76	4.14
1036863401	0.6384	4.6515	20.35	0.64	0.18	24.98	3.37
1036869996	0.6778	4.5542	19.89	0.90	0.56	24.61	3.50
1036872605	0.8565	4.5270	19.14	0.49	0.27	24.31	4.30
1036891028	0.9277	4.3052	19.08	0.83	0.49	24.20	4.21
1035973855	1.0392	4.8652	20.21	0.69	0.11	24.09	2.38
1035969733	1.3032	4.9155	19.69	0.63	0.50	24.69	3.98
1037309326	0.8055	-3.5083	18.34	0.78	0.62	24.33	6.30
1038033221	0.9085	-4.0922	20.15	0.73	0.47	24.53	3.00
1037820411	0.7465	-4.8807	19.69	0.51	0.32	24.54	3.74
1037570553	1.1136	-6.6161	19.54	0.88	0.58	24.48	3.88
1040253280	1.2910	1.0124	19.90	0.66	0.57	24.62	3.50
1040634247	1.2892	1.4430	19.64	0.86	0.62	24.19	3.24
1041111172	1.5225	-0.8460	20.02	0.71	0.52	24.43	3.05
1041063830	1.6275	-0.3806	19.68	0.74	0.42	24.05	2.98
1040488893	1.3525	-1.3354	20.07	0.84	0.43	24.54	3.13
1040372379	1.3904	-2.3463	20.90	0.87	0.60	24.72	2.32
1040359448	1.7769	-2.2254	20.08	0.70	0.56	24.32	2.81
1040346915	1.8324	-2.7825	19.99	0.68	0.66	24.68	3.45
1041386325	1.6640	3.2933	19.67	0.59	0.43	24.13	3.12
1040535643	1.4908	4.6107	18.99	0.58	0.78	24.18	4.35
1040575967	1.5777	4.1347	19.72	0.78	0.64	24.39	3.42
1040538413	1.6778	4.5719	18.78	0.67	0.43	25.00	7.00
1040555057	1.7896	4.3755	19.76	0.67	0.54	24.84	4.13
1039949592	1.3896	5.1871	18.99	0.58	0.59	24.17	4.33
1039957427	1.7415	5.0522	19.13	0.63	0.67	24.67	5.11
1041183111	1.4388	-3.7162	19.42	0.77	0.90	25.29	5.97
1041169530	1.6612	-3.5705	20.59	0.88	0.87	25.61	4.04
1041196522	1.8323	-3.8557	20.13	0.82	0.64	24.55	3.05
1045782219	1.8655	-3.1903	19.09	0.70	0.53	24.11	4.01
1042064020	1.3533	-4.3409	19.79	0.58	0.61	24.41	3.34
1041782147	1.4026	-4.1084	20.64	0.81	0.63	25.34	3.48
1042544841	1.7444	-5.2312	18.99	0.75	0.55	24.50	5.05
1042778657	1.5457	-5.9313	20.74	0.82	0.20	24.41	2.16
1042785743	1.5809	-6.0219	19.50	0.50	0.45	24.39	3.80
1042731670	1.8045	-5.4272	19.56	0.59	0.48	24.45	3.80
1042744100	1.8039	-5.5493	19.75	0.83	0.55	24.57	3.67
1042732975	2.0339	-5.4325	20.76	0.90	0.63	24.99	2.80
1045442118	1.8461	1.0189	20.35	0.55	0.55	24.66	2.90
1045201892	1.8842	2.4370	19.66	0.73	0.65	24.33	3.42
1045197285	1.9110	2.4848	19.71	0.65	0.41	24.55	3.71
1044746317	2.4182	2.5722	19.31	0.90	0.48	24.39	4.13

1044684514	2. 4765	3. 1796	19. 36	0. 90	0. 52	24. 20	3. 69
1044749842	2. 5586	2. 5391	19. 43	0. 68	0. 62	24. 70	4. 51
1044066967	2. 1882	-1. 6039	20. 02	0. 78	0. 79	24. 61	3. 31
1044480250	2. 3026	3. 5270	20. 40	0. 59	0. 40	25. 32	3. 84
1043827654	2. 1169	4. 1820	19. 90	0. 52	0. 49	24. 44	3. 23
1043207950	2. 4672	4. 7135	20. 00	0. 93	0. 74	26. 69	8. 70
1045371702	2. 5429	-4. 7551	19. 66	0. 69	0. 62	24. 68	4. 03
1045363930	2. 5929	-4. 6712	20. 95	0. 75	0. 43	24. 90	2. 46
1046111860	2. 4531	-5. 3908	19. 33	0. 57	0. 32	24. 58	4. 47
1046155268	2. 7056	-5. 8341	20. 43	0. 78	0. 86	25. 86	4. 86
1046143290	2. 7731	-5. 6914	20. 80	0. 69	0. 66	25. 14	2. 95
1047845557	2. 5003	-0. 0948	20. 59	0. 74	0. 45	24. 90	2. 90
1047856585	2. 6927	-0. 2114	19. 66	0. 74	0. 57	24. 13	3. 13
1047845256	3. 0755	-0. 0922	20. 73	0. 64	0. 49	24. 72	2. 51
1048301688	2. 6600	1. 0149	20. 34	0. 92	0. 59	24. 49	2. 69
1048352496	3. 0890	0. 5293	19. 84	0. 80	0. 47	24. 16	2. 91
1048699966	2. 9037	2. 3386	21. 49	0. 75	0. 49	25. 23	2. 24
1048748077	3. 0882	1. 8857	19. 81	0. 48	0. 48	24. 43	3. 35
1049975734	2. 7554	2. 8409	19. 77	0. 62	0. 50	25. 15	4. 76
1049981330	2. 8456	2. 7918	19. 72	0. 67	0. 49	24. 53	3. 66
1049839811	3. 2687	2. 9057	20. 18	0. 79	0. 46	24. 50	2. 92
1047430513	2. 7178	-0. 9516	20. 45	0. 82	0. 56	24. 41	2. 48
1047411176	3. 1018	-0. 7483	18. 75	0. 80	0. 74	24. 36	5. 27
1047382079	3. 1684	-0. 4281	18. 94	0. 54	0. 49	24. 02	4. 14
1047619409	2. 8081	-1. 2768	19. 82	0. 93	0. 58	24. 43	3. 33
1047626959	2. 8987	-1. 3577	19. 83	0. 81	0. 45	24. 01	2. 73
1048047955	2. 5181	-2. 3302	20. 54	0. 53	0. 48	24. 00	1. 96
1048043741	2. 9544	-2. 2981	19. 92	0. 90	0. 68	24. 56	3. 38
1047996814	3. 1467	-1. 8187	19. 35	0. 90	0. 51	24. 38	4. 03
1047977849	2. 8188	4. 0702	18. 80	0. 85	0. 68	24. 50	5. 52
1047953433	3. 3596	4. 3685	19. 82	0. 78	0. 52	24. 45	3. 36
1049214736	3. 1417	-4. 9990	19. 62	0. 72	0. 53	24. 06	3. 07
1049368394	2. 9865	-5. 7708	20. 07	0. 71	0. 46	25. 02	3. 90
1049348314	3. 3229	-5. 5567	19. 60	0. 82	0. 53	24. 36	3. 58
1048386391	3. 1673	-6. 2149	18. 83	0. 87	0. 47	24. 03	4. 37
1048382601	3. 2447	-6. 1698	20. 14	0. 70	0. 40	24. 63	3. 15
1048818487	3. 4830	-6. 7016	19. 28	0. 52	0. 29	24. 14	3. 73
1050665422	3. 1770	-0. 0282	19. 24	0. 74	0. 57	24. 27	4. 05
1050651392	3. 3802	0. 1107	19. 55	0. 92	0. 49	24. 48	3. 87
1050676735	3. 7281	-0. 1630	19. 12	0. 58	0. 52	24. 81	5. 48
1051483745	3. 3470	0. 7698	19. 62	0. 73	0. 56	24. 38	3. 58
1051992479	3. 6341	2. 3100	20. 76	0. 49	0. 36	24. 68	2. 43
1051995808	3. 7958	2. 2726	19. 22	0. 94	0. 66	24. 06	3. 71
1052042287	3. 9065	1. 8272	20. 77	0. 89	0. 30	24. 89	2. 66
1052657274	3. 3455	2. 9980	19. 80	0. 57	0. 50	24. 23	3. 06
1052679177	3. 5761	2. 7766	19. 55	0. 70	0. 52	25. 51	6. 19
1052656825	3. 8249	2. 9838	18. 64	0. 63	0. 59	24. 14	5. 02
1052136999	3. 8764	3. 5743	20. 41	0. 66	0. 44	25. 00	3. 29
1050705263	3. 8297	-0. 4306	19. 61	0. 88	0. 58	24. 35	3. 54
1051340400	3. 4165	-2. 3932	20. 08	0. 72	0. 45	24. 67	3. 30
1051776530	3. 4691	-2. 6691	19. 32	0. 74	0. 50	24. 35	4. 05

1051798155	3. 6375	-2. 8747	19. 82	0. 59	0. 59	24. 88	4. 11
1051767425	3. 8839	-2. 5613	19. 96	0. 95	0. 53	24. 67	3. 50
1051911289	3. 7871	-3. 3103	19. 99	0. 73	0. 49	25. 75	5. 67
1050822604	3. 2536	-28. 7879	19. 99	0. 60	0. 33	24. 46	3. 12
1053338984	3. 5418	4. 1144	20. 82	0. 87	0. 52	24. 97	2. 69
1053288312	3. 6078	4. 6327	20. 57	0. 67	0. 55	25. 07	3. 16
1053309736	4. 0009	4. 4087	20. 53	0. 76	0. 43	24. 56	2. 56
1053555177	3. 6838	-4. 5800	20. 46	0. 76	0. 72	24. 88	3. 05
1054008006	3. 6412	-5. 0837	20. 26	0. 72	0. 29	24. 42	2. 71
1054023665	3. 7072	-5. 2758	18. 19	0. 62	0. 42	24. 13	6. 16
1054018247	3. 9988	-5. 2205	18. 40	0. 82	0. 48	24. 52	6. 68
1053172273	3. 7274	-5. 9501	18. 64	0. 72	0. 40	24. 14	5. 00
1054043825	4. 0574	-29. 7091	20. 82	0. 90	0. 46	24. 59	2. 27
1054757797	4. 3634	0. 2035	18. 91	0. 66	0. 50	24. 48	5. 18
1054631093	3. 9165	0. 4813	19. 80	0. 67	0. 49	24. 28	3. 14
1054608302	4. 2805	0. 7266	19. 80	0. 69	0. 54	24. 68	3. 78
1054616454	4. 3490	0. 6453	21. 08	0. 77	0. 69	25. 60	3. 20
1054586237	4. 3995	0. 9494	20. 27	0. 78	0. 47	24. 71	3. 09
1055458893	3. 9670	-0. 8300	19. 64	0. 81	0. 59	24. 67	4. 06
1054903828	4. 2089	-0. 4654	20. 76	0. 70	0. 68	25. 38	3. 35
1052796700	3. 9930	-6. 2801	20. 95	0. 70	0. 86	25. 66	3. 49
1052814055	4. 1315	-6. 5077	17. 39	0. 85	0. 49	24. 17	9. 06
1052780510	4. 1419	-6. 1057	18. 81	0. 94	0. 77	24. 05	4. 46
1050547492	3. 9201	-6. 8963	19. 73	0. 63	0. 49	25. 14	4. 83
1050551211	3. 9330	-6. 9415	20. 90	0. 71	0. 68	25. 68	3. 60
1050540836	3. 9806	-6. 8215	18. 64	0. 97	0. 51	24. 85	6. 96
1050568789	4. 0203	-7. 2391	19. 22	0. 89	0. 50	24. 26	4. 08
1053932522	4. 4330	-29. 2392	21. 46	0. 77	0. 62	25. 40	2. 45
1055302165	4. 0204	1. 8666	19. 41	0. 45	0. 61	24. 14	3. 52
1055759566	4. 2105	3. 1714	20. 26	0. 68	0. 27	24. 75	3. 15
1055618136	4. 7606	4. 1243	19. 61	0. 76	0. 67	24. 49	3. 76
1055420802	4. 0483	-1. 0909	20. 52	0. 79	0. 59	24. 86	2. 94
1055837052	4. 2598	-1. 3912	19. 74	0. 77	0. 52	24. 68	3. 88
1055534729	4. 3454	-3. 0798	17. 57	0. 88	0. 75	24. 03	7. 83
1055526728	4. 4123	-2. 9678	18. 82	0. 79	0. 57	24. 14	4. 60
1055537857	4. 5489	-3. 0892	19. 87	0. 93	0. 53	24. 29	3. 05
1056595544	4. 2192	-3. 4329	21. 21	0. 85	0. 81	26. 17	3. 93
1056595809	4. 6352	-3. 4368	20. 45	0. 89	0. 86	25. 44	3. 97
1056364661	4. 2734	-4. 0482	17. 37	0. 78	0. 49	24. 13	8. 98
1056419933	4. 4429	-4. 5714	20. 88	0. 64	0. 37	25. 60	3. 50
1056404809	4. 7628	-4. 4184	21. 31	0. 63	0. 78	25. 91	3. 32
1056362491	4. 7843	-3. 9995	19. 51	0. 82	0. 34	24. 17	3. 41
1054874355	4. 8190	4. 8671	18. 93	0. 58	0. 37	24. 17	4. 46
1057901874	4. 5294	-4. 6710	20. 46	0. 76	0. 51	24. 64	2. 74
1056314261	4. 6728	-27. 9326	19. 85	0. 88	0. 57	24. 29	3. 09
1056314094	4. 8523	-27. 9315	20. 49	0. 51	0. 50	25. 07	3. 28
1059258921	5. 0716	0. 0341	19. 26	0. 71	0. 65	24. 15	3. 78
1059234954	5. 2321	0. 2837	19. 77	0. 89	0. 51	24. 54	3. 58
1058769804	4. 6698	1. 0494	19. 39	0. 83	0. 52	24. 02	3. 37
1058799689	4. 8992	0. 7229	18. 94	0. 64	0. 43	24. 88	6. 14
1060727877	4. 7741	1. 7340	20. 23	0. 82	0. 61	24. 74	3. 18

1057546654	4. 6610	-26. 9560	19. 33	0. 74	0. 31	24. 28	3. 90
1059474344	5. 1057	2. 2584	20. 12	0. 86	0. 52	24. 35	2. 80
1059584043	5. 1093	2. 5430	20. 85	0. 73	0. 21	24. 91	2. 58
1060298031	4. 8553	3. 8901	21. 84	0. 76	0. 55	25. 40	2. 06
1060349958	4. 9243	3. 3619	20. 91	0. 59	0. 49	25. 14	2. 80
1060346167	4. 9309	3. 3842	18. 89	0. 77	0. 50	24. 08	4. 36
1059335553	5. 3817	4. 2754	19. 86	0. 69	0. 27	24. 05	2. 74
1059871513	4. 9405	-2. 6976	21. 66	0. 52	0. 56	24. 05	1. 20
1059916092	4. 9670	-3. 1724	21. 26	0. 68	0. 92	26. 79	5. 11
1059878220	5. 0439	-2. 7742	19. 67	0. 74	0. 54	24. 60	3. 86
1059952123	4. 8007	-3. 5322	19. 87	0. 72	0. 54	25. 44	5. 19
1060521725	5. 0215	-4. 1948	19. 78	0. 99	0. 95	25. 18	4. 81
1060559218	5. 0919	-4. 5767	18. 98	0. 82	0. 55	24. 22	4. 46
1060972116	5. 3530	-4. 6637	19. 58	0. 61	0. 24	24. 50	3. 84
1061406034	5. 6848	-5. 5855	21. 36	0. 64	0. 66	25. 52	2. 71
1059031213	5. 2872	-26. 0176	21. 11	0. 55	-0. 10	25. 02	2. 42
1062166141	5. 0988	-27. 9735	20. 02	0. 70	0. 18	24. 26	2. 80
1063305022	5. 5884	0. 5298	19. 73	0. 91	0. 66	24. 57	3. 70
1063532282	5. 7469	1. 7597	19. 97	0. 84	0. 62	24. 71	3. 54
1063109165	5. 5034	-1. 0355	19. 39	0. 74	0. 40	24. 26	3. 75
1062945055	5. 9074	-0. 6860	19. 40	0. 73	0. 31	24. 15	3. 56
1062949675	5. 9379	-0. 7352	19. 42	0. 76	0. 50	25. 00	5. 22
1063348244	5. 6704	-1. 2916	18. 55	0. 79	0. 37	24. 60	6. 48
1063500255	5. 9192	-1. 5127	18. 17	0. 80	0. 61	24. 12	6. 17
1060669123	5. 3023	-6. 1426	20. 85	0. 66	0. 46	25. 01	2. 71
1062482543	5. 3711	-27. 0166	18. 79	0. 84	0. 52	24. 02	4. 44
1064253236	6. 0620	3. 3888	20. 18	0. 73	0. 49	24. 78	3. 31
1063983603	6. 1305	4. 0853	19. 63	0. 87	0. 44	24. 75	4. 21
1064345288	5. 8938	-3. 3937	19. 65	0. 80	0. 48	24. 04	3. 02
1064369325	5. 9936	-3. 6256	19. 66	0. 98	0. 51	24. 12	3. 11
1064347166	6. 1857	-3. 4105	19. 70	0. 96	0. 37	24. 09	3. 01
1063610520	5. 6348	-28. 9416	19. 94	0. 78	0. 55	24. 13	2. 74
1064192047	6. 0197	-29. 5638	20. 89	0. 85	0. 57	25. 52	3. 36
1064973706	6. 0309	-4. 7295	19. 94	0. 76	0. 45	24. 54	3. 32
1065495451	5. 8765	-5. 7077	19. 37	0. 88	0. 46	24. 92	5. 14
1065526645	6. 2084	-6. 0137	20. 64	0. 56	0. 70	26. 50	5. 92
1064409867	6. 3194	-6. 1444	19. 22	0. 53	0. 58	24. 28	4. 09
1063823105	5. 8651	-25. 6388	19. 09	0. 73	0. 36	24. 21	4. 22
1065130865	5. 9114	-28. 2527	19. 79	0. 99	0. 69	24. 38	3. 30
1068484596	6. 0782	1. 4336	19. 85	0. 84	0. 50	24. 25	3. 02
1068543881	6. 3657	2. 2816	20. 98	0. 74	0. 04	25. 40	3. 06
1068536982	6. 6071	2. 3562	19. 60	0. 72	0. 58	24. 49	3. 80
1067905476	6. 4499	2. 7961	21. 60	0. 94	0. 36	25. 15	2. 05
1067876647	6. 5307	3. 0978	19. 38	0. 82	0. 28	24. 29	3. 83
1067052382	6. 5266	-0. 8157	20. 31	0. 86	0. 29	24. 52	2. 77
1067432699	6. 6069	-1. 5495	20. 10	0. 77	0. 77	24. 82	3. 51
1066576231	6. 5035	-1. 8189	20. 56	0. 86	0. 38	24. 55	2. 51
1067661507	6. 7488	-2. 2848	21. 07	0. 75	0. 90	25. 65	3. 29
1067132039	6. 2136	-3. 0795	20. 35	0. 87	0. 67	24. 64	2. 88
1067084328	6. 6072	-2. 5784	21. 09	0. 55	0. 64	25. 71	3. 35
1065212087	6. 4315	-24. 8681	20. 52	0. 79	0. 59	24. 85	2. 94

1068104705	6. 0613	-27. 3317	20. 55	0. 76	0. 39	25. 15	3. 32
1068069879	6. 2146	-26. 9802	19. 16	0. 93	0. 13	24. 49	4. 64
1067957249	6. 7603	3. 4130	20. 41	0. 92	0. 44	25. 16	3. 56
1068149826	6. 3990	4. 3334	20. 50	0. 82	0. 40	24. 71	2. 78
1068127195	6. 9701	4. 5766	19. 27	0. 86	0. 64	24. 02	3. 55
1069724675	6. 8262	-4. 4668	20. 30	0. 81	0. 53	24. 85	3. 24
1069397502	6. 5732	-4. 6295	19. 76	0. 91	0. 56	24. 23	3. 13
1069399409	6. 8213	-4. 6542	18. 86	0. 94	0. 39	24. 13	4. 50
1068707327	6. 3396	-26. 5990	19. 59	0. 72	0. 38	24. 48	3. 79
1068694981	6. 4728	-26. 4763	19. 09	0. 46	0. 55	24. 23	4. 27
1068658805	6. 3358	-28. 9331	20. 64	0. 46	0. 33	25. 23	3. 31
1068692537	6. 4819	-29. 2718	19. 44	0. 89	0. 57	24. 26	3. 68
1068659130	6. 4921	-28. 9267	20. 36	0. 62	0. 33	24. 86	3. 18
1069105175	6. 7943	-29. 5113	19. 52	0. 86	0. 52	24. 20	3. 44
1069527587	6. 8204	-28. 8893	20. 72	0. 80	0. 48	24. 83	2. 66
1070060340	6. 4892	-5. 8220	20. 36	0. 79	0. 36	24. 90	3. 23
1070057451	7. 0809	-5. 7921	19. 42	0. 65	0. 77	24. 56	4. 25
1067458544	6. 9112	-6. 7691	18. 45	0. 67	0. 43	24. 04	5. 22
1069886902	6. 9663	-6. 3020	18. 86	0. 64	0. 53	24. 07	4. 38
1071045877	6. 7854	0. 1973	20. 73	0. 65	0. 34	25. 49	3. 57
1071039473	6. 9190	0. 2410	18. 88	0. 57	0. 43	24. 32	4. 89
1071077802	7. 0860	-0. 1246	19. 93	0. 85	0. 73	24. 48	3. 25
1071527945	6. 7521	0. 7704	19. 86	0. 74	0. 47	24. 29	3. 06
1071521453	6. 9351	0. 8376	20. 49	0. 45	0. 45	24. 98	3. 15
1071203495	6. 8280	1. 4286	20. 93	0. 89	0. 99	25. 63	3. 48
1696118284	6. 8923	1. 9512	20. 22	0. 53	0. 55	25. 18	3. 93
1696099355	7. 4853	2. 1420	19. 49	0. 71	0. 81	24. 22	3. 52
1072019075	6. 9527	2. 7647	19. 76	0. 82	0. 78	24. 51	3. 56
1072008248	7. 0358	2. 8941	20. 03	0. 80	0. 78	24. 99	3. 91
1072020331	7. 1887	2. 7458	19. 88	0. 76	0. 95	24. 92	4. 07
1072035632	7. 3031	2. 5761	19. 82	0. 75	0. 53	24. 59	3. 58
1072027032	7. 3443	2. 6744	20. 64	0. 99	0. 91	25. 30	3. 40
1072008353	7. 5464	2. 8896	19. 94	0. 66	0. 85	25. 37	4. 86
1070790195	6. 9562	-1. 0235	19. 95	0. 91	0. 37	24. 06	2. 65
1070995586	7. 0242	-1. 3770	18. 45	0. 44	0. 67	24. 22	5. 68
1070969213	7. 0946	-1. 0661	19. 87	0. 87	0. 30	24. 50	3. 37
1070988797	7. 3432	-1. 2887	20. 10	0. 78	0. 46	24. 72	3. 35
1071757806	7. 5225	-3. 0341	18. 54	0. 50	0. 30	24. 23	5. 46
1067497765	7. 1378	-7. 3931	19. 12	0. 68	0. 59	24. 13	4. 00
1070532629	7. 2328	-24. 8981	19. 00	0. 83	0. 48	24. 40	4. 81
1071803545	7. 1539	-27. 0324	18. 92	0. 73	0. 57	24. 42	5. 02
1071949058	7. 2156	-27. 1657	19. 87	0. 80	0. 58	24. 28	3. 04
1071952439	7. 3429	-27. 2126	18. 70	0. 91	0. 32	24. 53	5. 85
1069961164	7. 0135	-27. 7713	20. 18	0. 83	0. 38	24. 29	2. 65
1072337364	7. 4222	4. 5472	19. 29	0. 57	0. 46	24. 30	4. 01
1072149739	7. 0559	-3. 6105	19. 87	0. 88	0. 65	24. 63	3. 57
1072154632	7. 1216	-3. 6595	20. 60	0. 68	0. 49	24. 72	2. 67
1072114078	7. 5931	-3. 2238	19. 58	0. 90	0. 45	24. 28	3. 48
1072546040	7. 6971	-4. 4016	19. 17	0. 91	0. 39	24. 07	3. 81
1072565078	7. 7034	-4. 5983	20. 49	0. 61	0. 18	25. 85	4. 70
1073217529	7. 3465	-4. 8372	19. 48	0. 66	0. 34	24. 74	4. 49

1072314161	7. 2249	-24. 4954	20. 74	0. 80	0. 33	25. 11	2. 98
1073501316	7. 1678	-26. 6746	20. 15	0. 88	0. 53	24. 66	3. 18
1073507638	7. 6321	-26. 7337	19. 70	0. 60	0. 28	24. 12	3. 05
1073354179	7. 7682	-29. 0123	20. 15	0. 71	0. 56	24. 63	3. 14
1073362230	7. 8028	-29. 0917	20. 10	0. 82	0. 38	24. 74	3. 38
1072680907	7. 3717	-29. 9706	20. 93	0. 81	0. 34	24. 96	2. 55
1074299446	7. 3750	-5. 6119	21. 21	0. 77	0. 53	24. 95	2. 23
1074333071	7. 6501	-5. 9908	19. 04	0. 63	0. 49	24. 45	4. 81
1074323288	7. 7391	-5. 8871	19. 34	0. 97	0. 48	24. 02	3. 44
1073807725	7. 6938	-6. 2556	21. 02	0. 77	0. 55	25. 41	3. 01
1074126629	7. 9374	-23. 7343	18. 96	0. 69	0. 49	24. 12	4. 28
1074598598	7. 5340	0. 2718	20. 28	0. 90	0. 64	24. 80	3. 19
1075203891	7. 5327	0. 4328	19. 90	0. 92	0. 63	24. 56	3. 42
1076921720	7. 7172	1. 2019	20. 56	0. 84	0. 17	24. 77	2. 77
1076930034	7. 7787	1. 1261	20. 47	0. 81	0. 56	24. 76	2. 87
1076614280	7. 7822	1. 6471	20. 91	0. 78	0. 50	24. 86	2. 47
1077053612	7. 5215	2. 1381	19. 52	0. 86	0. 54	24. 30	3. 62
1077079886	7. 6476	1. 8706	20. 54	0. 87	0. 38	25. 09	3. 23
1077023368	7. 7465	2. 4547	19. 77	0. 94	0. 37	24. 04	2. 84
1077045786	7. 8168	2. 2238	19. 92	0. 76	0. 24	24. 21	2. 87
1077044752	7. 8982	2. 2381	19. 99	0. 77	0. 66	24. 62	3. 37
1077064364	8. 1451	2. 0227	19. 50	0. 73	0. 25	24. 28	3. 60
1076140412	7. 7074	2. 7555	19. 31	0. 82	0. 81	24. 28	3. 93
1076060681	8. 0100	3. 1868	19. 84	0. 66	0. 36	24. 11	2. 85
1076159847	8. 0655	2. 6514	19. 33	0. 80	0. 28	24. 35	4. 04
1076143515	8. 0676	2. 7357	19. 48	0. 90	0. 65	24. 68	4. 38
1076151670	8. 2096	2. 6998	20. 26	0. 83	0. 56	24. 81	3. 25
1076127922	8. 2449	2. 8244	20. 16	0. 70	0. 47	24. 39	2. 79
1076859350	8. 3171	3. 4981	20. 34	0. 70	0. 60	24. 51	2. 72
1074910412	7. 4700	-0. 9753	18. 99	0. 98	0. 40	24. 70	5. 53
1079610550	8. 1767	-0. 9741	20. 12	0. 86	0. 50	24. 78	3. 41
1075419062	7. 8780	-1. 6936	19. 32	0. 83	0. 55	24. 09	3. 58
1075509500	7. 9244	-2. 5830	20. 19	0. 95	0. 56	24. 33	2. 68
1075562009	7. 9356	-3. 0947	20. 98	0. 95	0. 62	24. 96	2. 49
1076237286	7. 6988	-3. 7039	19. 34	0. 82	0. 53	24. 07	3. 53
1076203430	7. 9554	-3. 3618	21. 09	0. 81	0. 50	25. 30	2. 78
1073043098	7. 6706	-6. 9405	19. 69	0. 90	0. 58	24. 46	3. 60
1073051851	7. 9466	-7. 0760	19. 34	0. 78	0. 44	24. 28	3. 88
1074704322	7. 8092	-22. 8777	20. 39	0. 78	0. 83	24. 99	3. 32
1074686213	8. 0247	-22. 6565	18. 98	0. 73	0. 39	24. 18	4. 38
1074719248	8. 2185	-23. 0440	20. 50	0. 64	0. 37	24. 53	2. 56
1078064954	8. 2695	-24. 7312	19. 08	0. 86	0. 31	24. 06	3. 95
1075745516	7. 7714	4. 2181	20. 25	0. 69	0. 43	24. 96	3. 48
1075719161	8. 0454	4. 5116	19. 67	0. 60	0. 64	24. 58	3. 83
1074931895	8. 1530	5. 1680	18. 69	0. 85	0. 48	24. 17	4. 99
1077583827	7. 9116	-5. 0745	20. 44	0. 93	1. 04	25. 11	3. 44
1077586471	8. 0376	-5. 1140	20. 66	0. 86	1. 04	25. 46	3. 64
1077575890	8. 1661	-4. 9944	20. 25	0. 87	0. 36	24. 76	3. 18
1077590071	8. 1796	-5. 1395	19. 96	0. 86	0. 91	25. 19	4. 43
1077570034	8. 3432	-4. 9345	19. 65	0. 59	0. 45	24. 37	3. 50
1075887757	8. 5497	-22. 3913	20. 29	0. 69	0. 33	24. 32	2. 55

1077374432	8.2522	-24.2705	21.10	0.81	0.46	25.13	2.55
1077402501	8.2800	-24.5680	20.44	0.74	0.42	24.69	2.82
1076266293	8.0931	-26.8251	21.30	0.73	0.89	25.16	2.36
1078333971	8.3732	-5.3901	20.79	0.83	0.47	25.17	3.00
1078362053	8.5536	-5.6820	19.52	0.88	0.60	24.79	4.51
1077830427	8.3996	-6.3079	20.56	0.57	0.39	24.97	3.04
1079247173	8.3784	-23.7055	20.73	0.78	0.44	25.15	3.05
1079256593	8.7281	-23.8088	19.11	0.88	0.54	24.19	4.14
1079539712	8.5121	-26.0124	19.77	0.68	0.31	24.28	3.19
1079699114	8.8490	0.3778	20.94	0.81	0.23	24.73	2.28
1081115699	8.2380	1.4617	19.98	0.55	0.29	24.56	3.30
1080490094	8.2887	2.2228	21.48	0.80	0.59	25.50	2.54
1080486313	8.3453	2.2524	19.76	0.87	0.58	24.47	3.49
1081184566	8.6475	2.9233	20.97	0.69	0.53	25.91	3.90
1080126682	8.6723	3.0979	19.64	0.72	0.57	24.63	3.97
1081354647	8.6310	3.2700	21.35	0.72	0.33	25.55	2.76
1081341915	8.7186	3.3912	19.93	0.71	0.41	24.21	2.86
1079580349	8.2228	-0.6835	19.80	0.76	0.50	24.52	3.50
1079572766	8.4675	-0.6125	20.57	0.66	0.44	24.99	3.06
1079428958	8.3928	-1.3354	19.82	0.94	0.49	24.60	3.60
1079449862	8.4203	-1.5392	21.12	0.57	0.44	25.04	2.43
1080374974	8.7214	-2.4161	19.95	0.85	0.95	25.91	6.18
1080423639	8.5103	-2.8787	18.10	0.71	0.45	24.17	6.55
1080430852	8.5358	-2.9300	19.67	0.57	0.38	24.34	3.43
1080404712	8.6117	-2.6752	20.32	0.60	0.43	24.59	2.86
1080411357	8.7345	-2.7377	21.25	0.51	0.71	26.61	4.71
1080400175	8.7468	-2.6371	19.62	0.76	0.57	24.56	3.87
1080428306	8.7744	-2.9081	20.03	0.91	0.91	24.76	3.52
1079961254	8.7379	-3.4669	20.32	0.91	0.49	24.46	2.69
1079975556	8.9083	-3.6245	19.70	0.58	0.11	25.03	4.64
1080881392	8.7834	-22.5257	20.66	0.48	0.75	25.97	4.61
1080875663	8.8045	-22.4749	20.67	0.76	0.50	24.88	2.77
1081064530	9.0103	-23.0584	19.78	0.83	0.40	24.06	2.86
1080144223	8.7797	-28.0522	19.30	0.38	0.47	25.39	6.61
1079741587	8.9137	-27.9156	19.19	0.90	0.63	24.65	4.92
1082876769	8.4664	-4.0801	19.17	0.87	0.63	24.37	4.39
1081836495	8.6010	-4.6852	20.20	0.72	0.68	24.78	3.28
1081875002	8.8381	-5.1039	18.13	0.50	0.57	24.11	6.28
1081867616	9.0713	-5.0165	19.84	0.87	0.72	24.44	3.31
1082985592	9.3123	-5.9107	18.67	0.87	0.50	24.62	6.19
1080021960	8.6480	-20.8234	19.61	0.82	0.63	24.85	4.45
1080010490	9.0053	-20.6885	19.71	0.81	0.47	24.40	3.46
1081604915	8.4653	-26.9893	19.02	0.50	0.49	24.73	5.52
1081646224	9.0222	-27.4124	21.06	0.52	0.40	24.67	2.10
1081520895	8.8283	-29.7155	17.88	0.76	0.54	24.25	7.51
1081531423	8.9081	-29.7854	20.11	0.90	0.47	25.08	3.93
1083774202	9.4307	0.3353	18.81	0.85	0.57	24.73	6.09
1084025531	8.9870	1.0299	20.83	0.58	0.31	25.61	3.61
1083938535	9.2703	-0.9730	19.47	0.91	0.54	24.41	3.90
1083762808	9.3720	-0.4997	21.05	0.83	0.49	24.49	1.95
1082168906	8.7850	-6.5735	18.88	0.51	0.43	24.43	5.12

1082172805	9. 2763	-6. 6146	19. 44	0. 84	0. 73	24. 16	3. 50
1082168773	9. 3386	-6. 5649	20. 33	0. 86	0. 82	26. 22	6. 01
1082149804	9. 4625	-6. 3607	19. 63	0. 79	0. 61	24. 17	3. 23
1081460277	8. 7324	-21. 9950	19. 83	0. 71	0. 47	25. 44	5. 29
1084093405	9. 5040	-23. 5370	21. 44	0. 87	0. 59	25. 39	2. 47
1083192088	8. 8676	-29. 5117	19. 81	0. 72	0. 48	24. 63	3. 67
1083169431	9. 0907	-29. 2602	20. 52	0. 84	0. 77	24. 88	2. 97
1083166066	9. 4230	-29. 2231	20. 04	0. 76	0. 43	24. 35	2. 91
1084358544	9. 1016	1. 7012	18. 98	0. 69	0. 53	24. 17	4. 36
1084416491	9. 2273	1. 1668	19. 43	0. 70	1. 03	24. 69	4. 51
1084350887	9. 5750	1. 7735	19. 90	0. 93	0. 50	24. 84	3. 88
1084418634	9. 5785	1. 1550	20. 93	0. 44	0. 32	24. 32	1. 90
1084538126	9. 1492	2. 1463	20. 73	0. 90	0. 55	25. 31	3. 28
1084548567	9. 3865	2. 0292	19. 58	0. 74	1. 01	25. 04	4. 93
1084538493	9. 5844	2. 1461	22. 36	0. 81	0. 52	24. 86	1. 26
1086040336	9. 3596	2. 5311	19. 95	0. 56	0. 89	25. 06	4. 20
1085848650	9. 4895	3. 2023	20. 19	0. 91	0. 96	25. 89	5. 52
1085989373	9. 4999	3. 0698	19. 75	0. 96	0. 82	24. 77	4. 02
1085824449	9. 1665	3. 4590	20. 94	0. 86	0. 40	25. 24	2. 90
1085798919	9. 3575	3. 7395	20. 91	0. 62	0. 53	24. 84	2. 43
1085843978	9. 5389	3. 2403	20. 78	0. 68	0. 76	25. 34	3. 27
1085839773	9. 6400	3. 2849	20. 86	0. 93	0. 87	25. 34	3. 13
1085805914	9. 7148	3. 6529	19. 52	0. 83	0. 90	24. 44	3. 85
1085834985	9. 7359	3. 3340	20. 32	0. 85	0. 88	25. 13	3. 65
1085905598	9. 1785	4. 6172	20. 19	0. 93	0. 66	24. 75	3. 25
1085906457	9. 7819	4. 6036	19. 30	0. 52	0. 43	24. 01	3. 49
1085928910	9. 7893	4. 3298	20. 39	0. 77	0. 42	24. 84	3. 10
1084682476	9. 0029	-2. 3901	20. 15	0. 64	0. 32	24. 69	3. 23
1084667278	9. 1598	-2. 2487	20. 43	0. 77	0. 61	24. 90	3. 13
1084675070	9. 2543	-2. 3149	21. 45	0. 93	0. 97	25. 90	3. 11
1084671310	9. 3564	-2. 2794	20. 96	0. 52	0. 23	24. 79	2. 32
1084652252	9. 3604	-2. 1155	18. 04	0. 61	0. 52	24. 13	6. 60
1084647427	9. 5069	-2. 0532	19. 71	0. 67	0. 53	24. 21	3. 16
1084949014	9. 5989	-2. 4442	21. 21	0. 58	0. 12	24. 92	2. 21
1085347066	9. 3209	-2. 9441	20. 33	0. 92	0. 90	26. 43	6. 64
1084979102	9. 1284	-3. 4530	19. 42	0. 69	0. 69	24. 49	4. 11
1084201375	8. 9931	-21. 7202	19. 38	0. 72	0. 33	24. 08	3. 48
1084136915	9. 4960	-21. 1044	19. 82	0. 79	0. 41	25. 05	4. 42
1086202552	9. 7365	-22. 9359	18. 54	0. 78	0. 38	24. 95	7. 62
1084330930	8. 9492	-25. 8897	21. 40	0. 57	0. 18	25. 26	2. 36
1084288525	9. 0168	-25. 4589	21. 19	0. 72	0. 51	25. 30	2. 65
1084340735	9. 0298	-25. 9903	19. 23	0. 44	0. 48	24. 34	4. 20
1084311501	9. 6156	-25. 6975	20. 24	0. 51	0. 40	25. 46	4. 43
1085070751	9. 1476	-27. 9657	19. 31	0. 50	0. 28	24. 44	4. 23
1085031599	9. 2170	-27. 5424	19. 51	0. 96	0. 47	24. 33	3. 66
1085035750	9. 4413	-27. 5891	20. 06	0. 57	0. 32	24. 97	3. 82
1085029459	9. 5083	-27. 5339	18. 69	0. 93	0. 59	24. 53	5. 87
1085035455	9. 5605	-27. 5862	19. 56	0. 71	0. 53	24. 55	3. 96
1086964748	9. 8462	-6. 0421	18. 90	0. 68	0. 62	24. 61	5. 53
1080027459	9. 2343	-20. 8884	18. 45	0. 60	0. 42	24. 21	5. 66
1085645994	9. 5855	-20. 4317	20. 57	0. 93	0. 46	24. 49	2. 43

1086450980	9. 2468	-26. 8796	17. 31	0. 75	0. 50	24. 11	9. 13
1086501600	9. 5448	-27. 3787	19. 63	0. 85	0. 32	24. 17	3. 24
1086506662	9. 5493	-27. 4428	19. 82	0. 89	0. 45	24. 44	3. 34
1086476887	9. 9445	-27. 1166	19. 98	0. 67	0. 51	24. 64	3. 41
1089354148	9. 8527	0. 0716	20. 95	0. 92	0. 51	24. 75	2. 29
1089466758	10. 0860	0. 7732	20. 60	0. 76	0. 80	24. 92	2. 92
1089482853	9. 6843	0. 6213	18. 94	0. 80	0. 45	24. 68	5. 59
1089469524	9. 7161	0. 7488	20. 43	0. 96	0. 64	24. 76	2. 93
1089444281	9. 9104	0. 9854	20. 66	0. 87	0. 90	25. 36	3. 46
1088731669	10. 0729	1. 4614	20. 03	0. 81	0. 99	25. 37	4. 68
1088730290	9. 9437	1. 4689	18. 82	0. 87	0. 54	24. 15	4. 64
1088763613	9. 9968	1. 1650	20. 62	0. 93	0. 77	25. 31	3. 46
1088517875	9. 6281	-0. 9744	19. 15	0. 94	0. 58	24. 08	3. 87
1088493031	9. 7700	-0. 7150	20. 95	0. 66	0. 43	24. 94	2. 50
1088481520	9. 8495	-0. 6069	19. 25	0. 94	0. 45	24. 49	4. 45
1089163981	9. 8586	-1. 5894	20. 13	0. 86	0. 43	24. 62	3. 15
1086854873	10. 0576	-6. 5229	19. 42	0. 63	0. 63	24. 02	3. 32
1086827153	10. 1720	-6. 2200	20. 22	0. 49	0. 59	24. 60	2. 99
1086817144	9. 5886	-6. 1198	18. 88	0. 80	0. 52	24. 42	5. 12
1086866425	9. 6517	-6. 7016	17. 28	0. 86	0. 66	25. 10	14. 57
1086349598	10. 0258	-20. 0476	20. 21	0. 55	0. 57	25. 51	4. 57
1086326748	10. 0583	-19. 8019	20. 65	0. 85	0. 36	24. 44	2. 28
1086349099	10. 1097	-20. 0431	18. 99	0. 94	0. 37	24. 08	4. 14
1087598069	10. 0909	-22. 0371	19. 62	0. 76	0. 47	24. 91	4. 55
1086759074	9. 5867	-29. 9494	19. 90	0. 78	0. 61	24. 75	3. 73
1088806324	9. 8290	2. 1944	21. 02	0. 71	0. 38	25. 49	3. 12
1089392995	9. 7697	2. 9334	18. 02	0. 80	0. 65	24. 14	6. 68
1089724148	9. 8047	3. 2350	19. 77	0. 87	0. 87	24. 61	3. 71
1089429161	9. 8068	2. 5365	18. 91	0. 81	0. 81	24. 43	5. 07
1089387081	9. 8288	2. 9872	16. 92	0. 84	0. 76	24. 00	10. 39
1089379364	9. 8489	3. 1050	19. 51	0. 78	0. 89	24. 67	4. 28
1089382140	9. 8680	3. 0785	21. 01	0. 90	0. 84	25. 56	3. 24
1089372894	9. 8751	3. 1799	19. 65	0. 52	0. 97	24. 62	3. 94
1089372309	9. 9724	3. 1910	21. 19	0. 63	0. 65	26. 10	3. 83
1089408664	9. 9947	2. 7659	21. 00	0. 70	0. 83	26. 12	4. 21
1089706370	10. 2070	3. 4197	19. 08	0. 97	0. 80	25. 78	8. 72
1089685877	10. 2955	3. 6522	19. 50	0. 54	0. 84	24. 75	4. 48
1089690966	10. 4153	3. 5957	20. 83	0. 69	0. 86	25. 38	3. 24
1089703926	9. 8885	3. 4596	20. 07	0. 52	0. 52	26. 56	7. 93
1089718582	9. 9799	3. 2969	19. 97	0. 87	0. 94	25. 01	4. 07
1089722396	9. 9830	3. 2493	19. 66	0. 87	0. 91	24. 65	3. 97
1090155018	10. 1286	4. 3112	20. 90	0. 70	0. 39	24. 76	2. 36
1090160149	10. 1655	4. 2558	21. 07	0. 50	0. 66	25. 58	3. 18
1090180028	10. 3176	4. 0322	20. 26	0. 51	0. 79	24. 63	2. 99
1090144081	9. 8823	4. 4295	19. 93	0. 75	0. 85	25. 11	4. 34
1090147099	9. 9806	4. 3992	20. 34	0. 77	0. 50	24. 81	3. 13
1089775951	10. 1016	-2. 3430	21. 00	0. 66	0. 37	25. 21	2. 78
1089785312	9. 8896	-2. 4384	19. 91	0. 88	0. 66	24. 89	3. 95
1089609368	9. 8949	-2. 0249	18. 15	0. 93	0. 53	24. 30	6. 77
1089535057	10. 0017	-2. 7025	19. 37	0. 86	0. 53	24. 31	3. 88
1089526221	10. 1920	-2. 6409	18. 82	0. 71	0. 33	24. 71	6. 03

1089542184	10.2343	-2.7694	19.51	0.71	0.50	24.49	3.96
1089567585	10.2833	-3.0119	20.02	0.88	0.44	24.16	2.69
1089577189	9.7236	-3.1190	19.10	0.92	0.66	24.16	4.09
1089522265	9.9574	-2.5778	18.62	0.81	0.46	24.05	4.87
1089536886	9.9801	-2.7175	20.27	0.57	0.56	24.90	3.35
1089747568	10.2539	-3.4113	19.99	0.90	0.46	24.84	3.72
1090026876	9.8217	-3.6065	20.37	0.72	0.33	25.06	3.45
1090337423	10.4191	-4.0759	18.85	0.76	0.46	24.27	4.85
1089798185	9.7932	-21.1028	19.71	0.76	0.50	24.11	3.03
1089248125	9.7837	-25.9844	19.61	0.67	0.39	24.11	3.17
1091485999	10.0505	-5.2803	19.39	0.82	0.57	24.54	4.27
1091472109	10.6289	-5.1276	20.01	0.46	0.86	24.50	3.15
1091274311	10.2756	-5.5105	19.42	0.95	0.69	24.40	3.94
1091351062	10.2286	-21.0015	21.39	0.43	0.60	26.53	4.24
1091342946	10.4741	-20.9226	21.37	0.67	0.41	25.27	2.40
1091024278	10.6678	-20.3917	20.14	0.92	0.58	24.83	3.46
1091167271	10.6428	-22.9530	20.31	0.60	0.49	24.70	3.01
1090476835	10.0132	-24.7566	21.68	0.89	0.70	25.93	2.83
1091680414	10.2177	-27.3831	19.28	0.60	-0.27	24.18	3.81
1091644173	10.2242	-26.9827	19.59	0.61	0.31	24.63	4.06
1090970132	10.2329	-27.7176	21.11	0.85	0.53	25.37	2.84
1090972840	10.5654	-27.7455	19.69	0.77	0.31	24.18	3.16
1090955958	10.5982	-27.5636	21.66	0.58	0.55	25.53	2.37
1091002790	9.9641	-28.0492	19.10	0.55	0.50	24.46	4.72
1092656476	10.8830	-0.0790	19.73	0.80	0.81	24.40	3.44
1092627323	10.9216	0.2009	20.65	0.88	0.68	24.60	2.46
1093273498	10.8661	2.2288	19.30	0.79	0.67	24.41	4.19
1092342533	10.4987	-0.6348	19.80	0.57	0.63	24.39	3.30
1093034706	10.3818	-1.6889	21.65	0.59	0.85	25.68	2.56
1093017597	10.4218	-1.5390	18.35	0.64	0.65	24.43	6.56
1093523031	10.5310	-1.7910	19.89	0.95	0.88	24.91	4.03
1093538535	10.5673	-1.9442	20.32	0.91	0.36	24.47	2.70
1093391840	10.5716	-1.7692	20.47	0.53	0.76	26.44	6.24
1093587964	10.6206	-2.4376	20.95	0.69	0.21	25.23	2.86
1093524109	10.6351	-1.8205	18.22	0.74	0.94	25.27	10.27
1091979197	10.3224	-6.3794	19.78	0.84	0.41	24.37	3.30
1091702019	10.3253	-6.2014	18.53	0.80	0.69	24.07	5.12
1091986714	10.3960	-6.4607	20.95	0.67	0.50	25.01	2.58
1092829127	10.6419	-20.1297	20.14	0.93	0.72	24.75	3.33
1091775126	10.4106	-23.9011	19.35	0.77	0.51	24.51	4.29
1095336798	10.8281	-24.6186	20.36	0.76	0.53	24.71	2.97
1092935419	11.1086	-29.0138	20.01	0.83	0.61	24.51	3.17
1094219463	10.7497	3.6767	20.74	0.62	0.83	25.61	3.75
1094295548	10.7221	4.2884	19.85	0.58	0.59	25.19	4.65
1093947955	10.5673	-2.6341	19.74	0.68	0.40	24.46	3.51
1093973322	10.7571	-2.8915	19.72	0.81	0.49	25.03	4.59
1093985025	10.9971	-3.0111	21.02	0.82	0.45	24.72	2.19
1093979645	11.0786	-2.9548	19.24	0.96	0.40	24.20	3.91
1094638128	10.5772	-3.6831	19.95	0.69	0.51	24.43	3.14
1094850132	10.6589	-4.5807	20.80	0.58	0.25	25.52	3.52
1094096571	10.5567	-21.4577	20.76	0.58	0.44	24.81	2.57

1094077336	10. 7700	-21. 2450	19. 67	0. 58	0. 56	24. 29	3. 35
1094106591	10. 8738	-21. 5865	19. 67	0. 81	0. 57	24. 16	3. 15
1094058335	11. 0042	-21. 0667	18. 61	0. 76	0. 59	24. 13	5. 08
1094062526	11. 2079	-21. 0975	20. 33	0. 64	0. 40	24. 64	2. 90
1093338038	10. 5453	-23. 3779	20. 57	0. 95	0. 49	24. 56	2. 51
1093363066	10. 7448	-23. 6256	20. 44	0. 78	0. 39	24. 88	3. 08
1093387207	10. 8207	-23. 8761	19. 52	0. 58	0. 41	24. 06	3. 24
1093335347	10. 8470	-23. 3497	19. 87	0. 73	0. 55	24. 33	3. 12
1094140499	10. 5802	-25. 4740	19. 96	0. 58	0. 55	24. 15	2. 75
1094158160	10. 7954	-25. 6555	19. 22	0. 51	0. 59	24. 02	3. 64
1094303781	11. 0545	-25. 8006	20. 22	0. 35	0. 38	24. 45	2. 80
1094665064	10. 5221	-28. 2338	19. 17	0. 61	0. 50	24. 01	3. 72
1095072969	10. 9042	-4. 7998	20. 14	0. 85	0. 69	24. 65	3. 19
1095087029	11. 3346	-4. 9554	20. 78	0. 66	0. 49	25. 00	2. 79
1095573055	11. 1688	-5. 6941	20. 35	0. 83	0. 70	24. 92	3. 27
1095520445	10. 8622	-25. 1411	19. 44	0. 66	0. 47	24. 06	3. 35
1096814928	10. 9920	-27. 0131	20. 24	0. 63	0. 41	25. 11	3. 76
1096836534	11. 0656	-27. 2442	20. 10	0. 83	0. 61	24. 40	2. 89
1096790059	11. 1542	-26. 7685	18. 55	0. 63	0. 59	24. 07	5. 07
1096811235	11. 3704	-26. 9754	19. 57	0. 75	0. 67	24. 49	3. 84
1097617760	11. 5583	0. 0507	19. 32	0. 83	0. 38	24. 03	3. 49
1097573178	11. 4793	0. 4506	19. 45	0. 89	0. 74	24. 06	3. 32
1096879554	11. 4853	0. 8983	21. 40	0. 68	0. 49	25. 08	2. 18
1097959106	11. 2255	1. 5275	19. 66	0. 72	0. 62	24. 21	3. 25
1097959855	11. 2377	1. 5217	20. 30	0. 98	0. 80	25. 08	3. 60
1097995200	11. 3571	1. 1883	20. 01	0. 94	0. 60	24. 38	2. 98
1097976031	11. 4827	1. 3577	19. 72	0. 57	0. 45	24. 40	3. 44
1098579903	11. 5936	2. 5831	21. 25	0. 65	0. 27	25. 04	2. 28
1098546001	11. 6039	2. 9317	19. 58	0. 60	0. 22	24. 18	3. 33
1097451979	11. 4218	-0. 9431	19. 28	0. 80	0. 64	24. 63	4. 69
1098033864	11. 3335	-1. 3109	20. 49	0. 60	0. 44	25. 40	3. 83
1097393868	11. 1003	-1. 9123	21. 39	0. 61	0. 48	25. 37	2. 49
1097939631	11. 8200	-2. 7244	18. 90	0. 65	0. 59	24. 14	4. 46
1097135578	11. 0044	-22. 0968	19. 50	0. 80	0. 53	24. 04	3. 22
1097063117	11. 1350	-24. 2051	18. 17	0. 58	0. 61	24. 00	5. 86
1097079941	11. 2667	-24. 3783	19. 88	0. 78	0. 53	24. 61	3. 52
1097065085	11. 4702	-24. 2143	20. 19	0. 86	0. 46	24. 59	3. 02
1097052573	11. 5549	-24. 0847	20. 59	0. 73	0. 66	24. 70	2. 64
1097511435	11. 4257	-26. 5344	20. 90	0. 80	0. 62	24. 93	2. 55
1098645755	11. 6930	3. 3395	21. 71	0. 63	0. 99	26. 00	2. 87
1098277590	11. 3877	4. 3123	20. 35	0. 86	0. 19	24. 26	2. 41
1098197926	12. 0819	4. 7562	19. 73	0. 91	0. 61	24. 13	3. 03
1099015557	11. 2902	-3. 4312	20. 83	0. 61	0. 11	25. 42	3. 30
1099028503	11. 5306	-3. 5699	21. 22	0. 86	0. 57	25. 29	2. 59
1098420928	11. 4747	-4. 0289	20. 49	0. 82	1. 01	26. 53	6. 44
1098460822	11. 7968	-4. 5008	20. 41	0. 91	0. 61	24. 97	3. 25
1098426188	11. 9449	-4. 1052	19. 53	0. 95	0. 65	24. 88	4. 69
1098442874	11. 9806	-4. 2839	21. 06	0. 49	0. 69	25. 62	3. 26
1100309073	11. 8602	-5. 2712	20. 83	0. 88	0. 76	25. 12	2. 88
1098330186	11. 4316	-23. 3445	20. 43	0. 94	0. 64	25. 14	3. 49
1100400388	11. 3672	-25. 3560	20. 28	0. 68	0. 45	25. 21	3. 86

1100396947	11. 4328	-25. 3424	19. 66	0. 65	0. 50	24. 28	3. 34
1100682031	11. 6172	-25. 4279	20. 45	0. 62	0. 46	24. 38	2. 44
1099519656	11. 8646	-6. 7479	19. 31	0. 76	0. 64	24. 18	3. 75
1099353672	12. 1998	-6. 2767	19. 55	0. 62	0. 58	24. 64	4. 16
1099731021	11. 6350	-19. 2412	19. 75	0. 85	0. 37	24. 00	2. 83
1099727359	11. 6571	-19. 2027	19. 90	0. 89	0. 57	24. 65	3. 55
1099713984	11. 8080	-19. 0675	19. 40	0. 89	0. 62	24. 44	4. 07
1102045446	11. 6955	-20. 8522	20. 29	0. 57	0. 58	24. 76	3. 12
1102069605	11. 9341	-21. 0385	20. 49	0. 75	0. 50	24. 75	2. 84
1102049603	12. 2664	-20. 8806	19. 25	0. 52	0. 44	24. 19	3. 88
1102055000	12. 2841	-20. 9161	19. 59	0. 82	0. 10	24. 01	3. 05
1101998801	12. 2872	-20. 5178	19. 57	0. 70	0. 50	24. 11	3. 23
1099785941	11. 5283	-22. 6499	19. 91	0. 90	0. 38	24. 32	3. 04
1099778916	11. 8843	-22. 5665	20. 61	0. 78	0. 51	24. 99	3. 00
1099807182	12. 1384	-22. 8857	20. 14	0. 90	0. 60	24. 58	3. 07
1102918628	11. 8569	-24. 6173	20. 74	0. 76	0. 25	25. 14	3. 02
1102907889	11. 6249	-28. 1212	18. 32	0. 84	0. 66	24. 80	7. 88
1102604971	11. 9170	0. 3227	20. 21	0. 87	0. 49	24. 21	2. 52
1102417019	12. 4041	0. 4554	20. 18	0. 70	0. 59	24. 77	3. 30
1102507167	12. 1883	1. 3284	19. 72	0. 85	0. 55	24. 09	2. 98
1102341473	12. 3412	1. 6706	20. 45	0. 84	0. 41	25. 13	3. 44
1102303493	12. 2260	-0. 8244	19. 61	0. 92	0. 49	24. 17	3. 27
1102443062	12. 0583	-1. 2061	21. 86	0. 76	0. 43	25. 51	2. 15
1103866411	12. 0451	-2. 3454	20. 87	0. 73	0. 30	25. 16	2. 88
1102570414	11. 9726	-2. 8770	20. 71	0. 76	0. 45	24. 87	2. 71
1102560755	11. 9734	-2. 7652	21. 45	0. 53	0. 75	26. 10	3. 40
1102592045	12. 3184	-3. 1242	20. 22	0. 86	0. 48	24. 82	3. 32
1101640382	12. 0303	-19. 9765	20. 24	0. 83	0. 79	24. 50	2. 84
1101669773	12. 5039	-20. 2677	20. 47	0. 66	0. 31	24. 59	2. 67
1097113952	11. 7016	-21. 8734	19. 09	0. 71	0. 50	24. 12	4. 05
1102178389	12. 4667	-24. 2136	20. 23	0. 91	0. 60	24. 62	3. 01
1103163633	11. 8466	-26. 7168	17. 70	0. 69	0. 36	24. 03	7. 38
1102743815	12. 0309	-26. 3878	20. 12	0. 81	0. 59	25. 09	3. 93
1102742467	12. 3292	-26. 3714	20. 65	0. 79	0. 72	24. 89	2. 81
1103547042	12. 6435	4. 8918	20. 76	0. 78	0. 49	25. 00	2. 81
1102834394	12. 3492	-3. 5786	18. 83	0. 84	0. 49	24. 54	5. 54
1102810904	12. 4203	-3. 2898	20. 67	0. 73	0. 53	25. 08	3. 04
1104117005	12. 0138	-21. 4296	19. 22	0. 73	0. 31	24. 15	3. 86
1104107806	12. 1719	-21. 3244	20. 66	0. 79	0. 48	25. 32	3. 41
1104137631	12. 4378	-21. 6774	17. 54	0. 61	0. 51	24. 00	7. 83
1104135093	12. 7112	-21. 6152	19. 78	0. 95	0. 71	24. 54	3. 58
1104514387	12. 4570	-25. 4926	18. 70	0. 86	0. 31	24. 00	4. 59
1104563697	12. 5083	-25. 9484	20. 50	0. 63	0. 44	24. 82	2. 92
1105389705	12. 5612	-5. 8030	21. 09	0. 93	1. 01	25. 92	3. 68
1105396113	12. 7832	-5. 8773	19. 16	0. 84	0. 81	24. 37	4. 40
1104910352	12. 7431	-6. 2995	19. 66	0. 80	0. 63	24. 43	3. 60
1104944066	12. 7696	-6. 7032	18. 09	0. 90	0. 88	24. 78	8. 67
1106022962	12. 3766	-20. 8170	20. 66	0. 87	0. 23	24. 61	2. 46
1106024422	12. 6033	-20. 8303	20. 48	0. 85	0. 24	25. 28	3. 64
1105035617	12. 9474	-22. 6534	19. 56	0. 76	0. 40	25. 15	5. 22
1105650929	12. 7008	-24. 8930	19. 89	0. 82	0. 27	24. 75	3. 74

1106322565	12. 8241	0. 0822	21. 16	0. 73	0. 33	25. 37	2. 78
1106314530	12. 9577	0. 1584	20. 20	0. 88	0. 16	24. 18	2. 49
1107344914	12. 4946	0. 4384	19. 25	0. 82	0. 60	24. 02	3. 59
1107305937	12. 6101	0. 8242	19. 07	0. 66	0. 51	24. 20	4. 24
1107313911	13. 1118	0. 7497	18. 98	0. 93	0. 61	24. 06	4. 13
1106996197	12. 7021	1. 3146	20. 96	0. 92	0. 58	24. 50	2. 04
1106945118	13. 0252	1. 7655	20. 25	0. 86	0. 55	24. 51	2. 84
1107012453	13. 0512	1. 1539	21. 38	0. 91	0. 31	24. 91	2. 03
1107725673	12. 7255	2. 1139	20. 14	0. 63	0. 63	24. 92	3. 61
1107706576	13. 0137	2. 2918	19. 15	0. 83	0. 49	24. 04	3. 80
1107719262	13. 0945	2. 1793	20. 00	0. 76	0. 63	24. 35	2. 95
1108474709	12. 7413	2. 6551	19. 97	0. 72	0. 42	24. 68	3. 49
1108053568	13. 1233	2. 9555	19. 79	0. 84	0. 64	25. 08	4. 56
1108402314	13. 3332	3. 5869	20. 71	0. 73	0. 80	25. 71	4. 00
1107130439	12. 6354	-0. 5788	20. 57	0. 91	0. 61	24. 75	2. 74
1107159669	13. 0274	-0. 8763	20. 98	0. 80	0. 93	25. 47	3. 16
1108130746	12. 5598	-2. 1493	19. 50	0. 69	0. 60	24. 29	3. 61
1108110436	12. 9601	-1. 9281	20. 76	0. 87	0. 58	24. 92	2. 71
1107549490	13. 0056	-2. 8451	19. 60	0. 65	0. 53	24. 34	3. 54
1108016650	12. 6786	-3. 7880	19. 68	0. 83	0. 55	24. 52	3. 71
1106913912	12. 5246	-18. 6588	19. 70	0. 86	0. 29	24. 04	2. 94
1106493524	13. 0285	-18. 3527	20. 20	0. 83	0. 58	24. 54	2. 95
1107937012	12. 9814	-20. 0755	20. 84	0. 97	0. 32	25. 06	2. 78
1107895678	13. 3203	-19. 7027	20. 61	0. 58	0. 25	25. 22	3. 33
1106910235	12. 7977	-21. 7771	20. 27	0. 61	0. 64	24. 56	2. 88
1107654887	12. 6359	-24. 6016	19. 95	0. 85	0. 18	24. 47	3. 20
1106447554	12. 6219	-27. 1344	20. 08	0. 73	0. 40	24. 43	2. 96
1106442351	12. 9540	-27. 0787	20. 34	0. 88	0. 47	24. 48	2. 69
1109479053	12. 7472	-4. 4624	18. 91	0. 42	0. 77	24. 16	4. 48
1114640895	13. 3600	-4. 6399	19. 87	0. 91	0. 53	24. 75	3. 77
1108964434	12. 9333	-18. 0553	19. 50	0. 75	0. 55	24. 33	3. 68
1108918479	13. 3010	-17. 5211	20. 08	0. 89	0. 50	24. 25	2. 73
1109418914	13. 1507	-21. 6460	20. 48	0. 90	0. 45	24. 90	3. 07
1122317213	12. 7891	-23. 8552	20. 98	0. 65	0. 14	24. 99	2. 52
1122300924	12. 9490	-23. 7198	18. 64	0. 93	0. 39	24. 34	5. 51
1108779442	12. 9535	-26. 2475	19. 30	0. 83	0. 63	24. 08	3. 60
1108830165	13. 0932	-26. 6764	20. 99	0. 92	0. 52	24. 49	1. 99
1121859321	13. 3307	-5. 4806	19. 96	0. 74	0. 68	24. 77	3. 65
1121895090	13. 5829	-5. 8464	21. 39	0. 75	0. 42	25. 69	2. 90
1109236449	13. 5014	-6. 7051	20. 70	0. 97	0. 51	24. 77	2. 59
1109679089	13. 5689	-19. 3928	20. 94	0. 88	0. 08	25. 30	2. 97
1109677349	13. 6080	-19. 3750	20. 22	0. 56	0. 42	24. 66	3. 09
1116575911	13. 1448	-20. 6900	19. 14	0. 68	0. 44	24. 44	4. 59
1116606672	13. 2290	-20. 9994	20. 53	0. 90	0. 46	24. 40	2. 37
1109611344	13. 4272	-22. 9923	19. 36	0. 81	0. 53	24. 79	4. 87
1110721283	13. 7531	-27. 7597	22. 37	0. 64	0. 37	26. 23	2. 36
1109834557	13. 2534	-28. 7362	20. 49	0. 62	0. 23	25. 16	3. 43
1124548068	13. 4359	-0. 0619	20. 84	0. 89	0. 54	24. 91	2. 60
1124518047	13. 5074	0. 2346	20. 31	0. 66	0. 45	24. 83	3. 20
1112907868	13. 1850	0. 5019	19. 70	0. 45	0. 11	24. 29	3. 30
1112909619	13. 3863	0. 4849	19. 81	0. 61	0. 46	24. 57	3. 56

1112901631	13. 4497	0. 5460	18. 71	0. 83	0. 55	24. 19	4. 98
1112603847	13. 6266	0. 9210	19. 51	0. 92	0. 45	24. 14	3. 36
1112619945	13. 6618	0. 7616	20. 89	0. 72	0. 67	26. 01	4. 22
1111402388	13. 4695	1. 2925	19. 13	0. 88	0. 48	24. 73	5. 26
1111382788	13. 5720	1. 4933	20. 03	0. 72	0. 37	24. 50	3. 13
1112185501	13. 7928	2. 4251	19. 79	0. 63	0. 47	24. 40	3. 34
1112253893	13. 7161	2. 9580	20. 27	0. 58	0. 58	25. 01	3. 54
1113555111	13. 9090	3. 6132	19. 35	0. 72	0. 63	24. 25	3. 81
1111533221	13. 6861	-1. 4784	20. 18	0. 67	0. 78	25. 26	4. 14
1111554445	13. 7597	-1. 7131	18. 58	0. 64	0. 81	24. 57	6. 29
1119660814	13. 5415	-2. 3313	19. 13	0. 56	0. 34	24. 13	3. 99
1119655183	13. 6350	-2. 2845	19. 01	0. 51	0. 49	24. 20	4. 36
1118715347	13. 7095	-1. 9635	20. 59	0. 78	0. 38	25. 32	3. 52
1125431485	13. 6054	-3. 5504	19. 68	0. 67	0. 60	24. 45	3. 59
1125451964	13. 6247	-3. 7675	20. 45	0. 90	0. 55	24. 73	2. 86
1111831375	13. 2700	-18. 4408	19. 10	0. 78	0. 43	24. 05	3. 89
1112557889	13. 4135	-20. 0494	19. 96	0. 74	0. 48	24. 42	3. 11
1112555266	13. 4950	-20. 0205	20. 52	0. 93	0. 38	24. 80	2. 86
1112546116	13. 5460	-19. 9257	20. 78	0. 78	0. 65	25. 11	2. 94
1112546543	13. 5965	-19. 9351	19. 60	0. 81	0. 52	24. 54	3. 88
1118347858	13. 9299	-22. 3169	19. 21	0. 75	0. 33	24. 07	3. 74
1112015553	14. 0446	-27. 4164	18. 80	0. 78	0. 61	24. 09	4. 56
1113073233	13. 6384	4. 3190	20. 10	0. 89	0. 58	24. 66	3. 27
1113195646	13. 6563	-3. 9394	18. 56	0. 85	0. 62	24. 01	4. 90
1115933095	13. 6895	-16. 2645	19. 25	0. 59	0. 49	24. 01	3. 57
1114733952	14. 1700	-17. 5271	20. 46	0. 58	0. 48	24. 87	3. 05
1114188251	14. 0673	-21. 6280	20. 49	0. 71	0. 41	24. 67	2. 74
1113353802	13. 7715	-26. 4664	19. 96	0. 68	0. 28	24. 08	2. 66
1113335592	14. 0733	-26. 2821	19. 65	0. 85	0. 39	24. 35	3. 48
1124457397	14. 3461	0. 4635	20. 28	0. 84	0. 64	24. 82	3. 23
1125184335	14. 5123	-0. 9995	21. 16	0. 87	1. 17	25. 99	3. 69
1125187713	14. 5291	-1. 0335	20. 40	0. 88	1. 13	25. 88	4. 97
1116293445	13. 7209	-5. 4492	19. 25	0. 78	0. 51	24. 01	3. 57
1116338265	13. 7744	-5. 9540	19. 63	0. 82	0. 57	24. 41	3. 60
1116289241	14. 0129	-5. 3935	20. 67	0. 62	0. 50	24. 96	2. 88
1116059107	13. 9154	-6. 4110	19. 02	0. 60	0. 40	24. 67	5. 37
1116036352	13. 9223	-6. 1317	19. 46	0. 85	0. 57	24. 43	3. 93
1124111200	13. 7620	-18. 9735	19. 46	0. 93	0. 89	24. 80	4. 65
1117004656	14. 3553	-23. 0226	19. 41	0. 67	0. 48	24. 18	3. 58
1114908589	13. 7785	-25. 4465	20. 04	0. 75	0. 43	24. 47	3. 07
1114961465	14. 1346	-25. 9796	19. 24	0. 81	0. 54	24. 40	4. 31
1118513536	13. 8676	-28. 3778	20. 69	0. 79	0. 46	24. 69	2. 52
1118501492	14. 0288	-28. 2703	19. 06	0. 69	0. 48	24. 01	3. 90
1118089165	13. 9605	-28. 9674	19. 55	0. 97	0. 62	24. 79	4. 44
1118375009	14. 1980	-29. 1858	19. 91	0. 83	0. 45	24. 33	3. 05
1120343033	14. 2492	3. 1979	20. 45	0. 64	0. 36	24. 98	3. 22
1120344514	14. 5555	3. 1824	20. 65	0. 66	0. 12	24. 52	2. 37
1118079088	14. 3560	3. 2559	20. 00	0. 76	0. 35	24. 56	3. 25
1120856917	13. 9232	-1. 1386	21. 44	0. 86	0. 76	25. 79	2. 97
1120890075	14. 0151	-1. 4878	17. 05	0. 83	0. 57	24. 32	11. 35
1120905660	14. 0287	-1. 6339	17. 49	0. 76	0. 61	24. 09	8. 31

1120908523	14. 3137	-1. 6296	19. 31	0. 51	0. 44	24. 40	4. 15
1120863506	14. 3152	-1. 2039	21. 03	0. 87	0. 91	25. 28	2. 82
1120853502	14. 6028	-1. 1111	21. 54	0. 93	0. 92	26. 16	3. 35
1125481342	14. 3043	-2. 6393	19. 50	0. 57	0. 67	24. 13	3. 37
1125469464	14. 3156	-2. 5158	21. 15	0. 85	0. 60	25. 56	3. 05
1125916746	14. 5850	-3. 1080	20. 53	0. 89	0. 57	25. 01	3. 14
1116263344	14. 2098	-17. 2855	20. 48	0. 57	0. 51	24. 79	2. 91
1116267870	14. 4862	-17. 3246	21. 55	0. 58	0. 35	25. 03	1. 98
1116239006	14. 5989	-17. 0486	20. 03	0. 83	0. 47	24. 74	3. 50
1118823176	14. 0670	-22. 2115	19. 64	0. 76	0. 54	24. 37	3. 54
1118791160	14. 3756	-21. 8924	20. 07	0. 87	0. 39	24. 60	3. 20
1118776651	14. 4180	-21. 7682	20. 42	0. 48	0. 26	24. 78	2. 97
1116137233	14. 0808	-24. 4178	20. 34	0. 74	0. 38	24. 68	2. 94
1116137426	14. 3627	-24. 4195	19. 99	0. 95	0. 49	24. 06	2. 60
1116803566	14. 7401	-24. 5984	19. 64	0. 56	0. 44	24. 41	3. 58
1123266887	14. 2558	-26. 8379	20. 25	0. 54	0. 73	24. 71	3. 11
1121767731	14. 0134	-28. 1198	19. 79	0. 82	0. 58	24. 40	3. 32
1121765268	14. 5415	-28. 0997	19. 26	0. 57	0. 29	24. 89	5. 32
1116169551	14. 5732	4. 3526	19. 37	0. 59	0. 47	24. 11	3. 53
1121696272	14. 4964	4. 7186	20. 84	0. 93	0. 68	24. 94	2. 63
1117562891	14. 3898	-4. 1346	19. 47	0. 73	0. 55	25. 61	6. 73
1117592438	14. 5990	-4. 4585	19. 31	0. 79	0. 54	24. 78	4. 97
1117603999	14. 6025	-4. 5745	20. 26	0. 85	0. 43	25. 18	3. 84
1117566777	14. 6053	-4. 1773	19. 51	0. 91	0. 39	24. 41	3. 79
1117601482	14. 6266	-4. 5644	18. 68	0. 67	0. 46	24. 46	5. 69
1117344009	14. 3800	-5. 2917	20. 76	0. 84	0. 42	24. 97	2. 77
1117324683	14. 4983	-5. 0986	18. 65	0. 67	0. 94	24. 33	5. 45
1117327980	14. 5342	-5. 1342	19. 92	0. 84	0. 92	25. 71	5. 75
1117050756	14. 5846	-4. 9283	20. 03	0. 93	0. 90	24. 89	3. 73
1117341363	14. 7242	-5. 2809	18. 82	0. 62	0. 56	25. 52	8. 70
1116453589	14. 7718	-5. 8792	19. 34	0. 87	0. 75	24. 19	3. 72
1122105736	14. 7424	-16. 6877	20. 40	0. 89	0. 79	25. 58	4. 34
1124881617	14. 4159	-17. 6141	19. 95	0. 90	0. 50	24. 28	2. 93
1124874364	14. 8182	-17. 5472	19. 72	0. 91	0. 47	24. 54	3. 67
1117065926	14. 3659	-20. 2404	19. 33	0. 87	0. 60	24. 48	4. 28
1117068573	14. 7178	-20. 2838	18. 60	0. 53	0. 37	24. 16	5. 14
1125650615	14. 3777	-21. 0953	20. 69	0. 76	0. 52	24. 74	2. 58
1125691554	14. 6784	-21. 5201	19. 17	0. 92	0. 57	24. 01	3. 71
1125686047	15. 0483	-21. 4603	20. 92	0. 58	0. 98	26. 85	6. 14
1122461114	14. 7911	-23. 2794	20. 99	0. 72	0. 38	24. 72	2. 22
1118449099	14. 6392	0. 0764	19. 47	0. 86	0. 53	24. 17	3. 47
1118448529	14. 7565	0. 0797	19. 13	0. 82	0. 28	24. 03	3. 82
1119930032	14. 7296	0. 6066	21. 02	0. 37	0. 26	24. 96	2. 46
1119759979	14. 7647	0. 9832	18. 93	0. 57	0. 34	24. 85	6. 07
1118992082	15. 1104	1. 6309	20. 19	0. 77	0. 63	24. 99	3. 65
1118249006	15. 3054	-0. 6278	18. 87	0. 70	0. 60	24. 09	4. 43
1125060912	14. 7399	-1. 2528	20. 33	0. 79	0. 66	25. 04	3. 48
1125099624	14. 8689	-1. 6397	19. 05	0. 93	0. 64	24. 11	4. 10
1125064384	15. 2206	-1. 2888	20. 01	0. 76	0. 67	24. 36	2. 96
1116002820	14. 5168	-6. 4168	18. 25	0. 68	0. 58	24. 31	6. 50
1115993047	14. 7877	-6. 2737	19. 72	0. 76	0. 61	24. 37	3. 40

1116018072	14.8513	-6.6049	19.99	0.85	0.85	25.10	4.20
1116007730	14.9589	-6.4718	18.80	0.84	0.76	24.65	5.91
1124068662	14.4991	-19.3596	20.12	0.87	0.31	24.14	2.54
1124059763	14.9323	-19.2663	20.80	0.80	0.16	24.52	2.21
1122948211	14.7351	-20.5044	18.81	0.77	0.43	24.22	4.82
1122955178	14.8539	-20.5708	21.36	0.81	0.43	24.99	2.12
1122968235	15.0068	-20.7064	19.47	0.54	0.31	24.22	3.55
1121619780	14.8795	-22.9085	20.76	0.75	0.45	24.23	1.98
1117141811	14.7384	-26.0196	20.57	0.61	0.33	24.80	2.80
1117083649	15.1347	-25.4010	24.17	0.44	0.67	25.71	0.81
1120348309	14.7112	3.1432	20.31	0.80	0.26	24.08	2.26
1120688531	15.0640	2.7704	20.36	0.64	0.47	24.90	3.23
1120826767	15.3278	2.6897	19.39	0.84	0.35	24.28	3.79
1126681355	15.1425	4.4911	19.67	0.52	0.68	24.61	3.88
1119538184	15.0047	-1.8529	19.99	0.76	0.61	24.37	3.01
1119595799	15.0276	-2.4793	19.38	0.82	0.75	24.09	3.48
1119564755	15.2403	-2.1312	21.04	0.89	0.81	25.67	3.37
1121318349	15.0511	-2.9478	20.15	0.89	0.53	24.48	2.94
1121317612	15.3649	-2.9390	20.85	0.97	0.51	24.76	2.41
1124735799	14.7888	-3.2854	19.14	0.88	0.70	24.28	4.25
1124729111	14.9254	-3.2173	19.21	0.50	0.47	24.10	3.80
1124783977	14.9283	-3.7726	19.02	0.90	0.50	24.13	4.19
1124786010	15.2667	-3.8117	17.49	0.67	0.53	24.45	9.81
1127275674	15.1493	-4.0446	18.95	0.84	0.37	24.06	4.21
1122130398	15.3214	-15.4454	19.95	0.91	0.68	24.32	2.99
1122136447	15.3505	-15.5686	17.58	0.77	0.48	24.12	8.13
1118957890	14.8106	-17.3319	20.78	0.44	0.29	26.25	4.94
1118927118	15.3110	-17.0518	18.94	0.41	0.47	24.32	4.76
1118900921	15.3596	-16.7738	21.11	0.84	0.53	25.15	2.56
1117392014	15.2089	-18.6210	20.05	0.68	0.50	24.57	3.20
1117406726	15.2298	-18.7632	20.50	0.94	0.61	24.75	2.82
1127815761	15.2535	-21.8155	20.66	0.69	0.28	24.88	2.79
1127832049	15.3767	-21.9798	19.72	0.81	0.64	24.30	3.29
1127843958	15.4802	-22.0913	21.88	0.68	0.89	26.37	3.15
1122531590	14.9864	-24.6704	19.70	0.64	0.55	24.70	4.00
1116862056	15.4941	-28.0305	19.14	0.84	0.43	24.21	4.11
1126749731	15.4293	-4.7964	20.43	0.85	0.41	24.74	2.90
1126784925	15.4839	-5.1736	20.12	0.72	0.64	24.56	3.07
1126791459	15.5218	-5.2450	20.37	0.67	0.73	25.68	4.59
1126740082	15.5963	-4.6974	20.84	0.59	0.85	25.76	3.85
1126743005	15.6498	-4.7323	18.91	0.74	0.47	24.23	4.63
1126900728	15.1455	-5.5318	18.14	0.89	0.69	24.17	6.42
1127462531	15.4766	-5.9507	19.97	0.90	0.68	24.65	3.44
1127396213	14.9154	-20.3188	18.82	0.85	0.61	24.35	5.10
1129287653	15.4026	-21.3027	21.38	0.83	0.75	26.02	3.37
1129307770	15.6315	-21.4852	20.86	0.75	0.88	26.13	4.52
1129332055	15.6729	-21.7339	20.62	0.76	0.30	24.79	2.72
1129293128	15.6863	-21.3497	20.44	0.64	0.93	25.13	3.45
1128329589	15.2730	-23.3488	19.03	0.47	0.52	24.25	4.42
1126837017	15.6124	-26.9898	19.92	0.94	0.50	24.43	3.18
1129549729	15.7280	-0.1504	19.88	0.63	0.38	24.95	4.13

1129549547	15.9765	-0.1503	19.42	0.65	0.68	24.26	3.70
1130132479	15.3875	1.0534	19.79	0.77	0.53	24.95	4.28
1130136722	15.4397	0.9843	19.02	0.50	0.62	24.22	4.38
1130167916	15.7857	0.7155	20.18	0.87	0.56	24.66	3.13
1129661234	15.5942	1.6423	19.05	0.91	0.75	24.16	4.20
1130471081	15.9456	2.2727	18.75	0.44	0.45	24.23	4.99
1129845146	15.5602	-0.7943	20.37	0.70	0.52	25.02	3.40
1129863364	15.7596	-0.9905	19.38	0.71	0.95	24.89	5.05
1129830211	15.8729	-0.6639	19.61	0.91	0.90	25.18	5.17
1129827118	15.9533	-0.6331	20.06	0.95	0.81	24.80	3.54
1129432891	15.5074	-1.1569	20.18	0.51	0.19	24.66	3.13
1129476261	15.6069	-1.5928	20.98	0.62	0.40	25.02	2.57
1129484007	16.0095	-1.6744	19.40	0.51	0.60	24.45	4.08
1130650050	15.8066	-1.8692	19.57	0.74	0.39	24.51	3.87
1126526679	15.7487	-6.6291	19.04	0.68	0.76	25.29	7.08
1126512154	15.7593	-6.4182	20.17	0.73	0.75	24.53	2.97
1126514457	15.7868	-6.4514	20.45	0.87	1.15	25.66	4.39
1126514278	15.8309	-6.4406	22.12	0.57	0.50	26.78	3.41
1126501752	15.9092	-6.2742	21.13	0.51	0.71	26.15	4.01
1126492042	15.9144	-6.1814	19.08	0.40	1.00	25.07	6.30
1142578877	15.2226	-19.3743	18.78	0.56	0.26	24.08	4.58
1130012583	15.9192	-20.8989	20.23	0.54	0.49	24.37	2.68
1130323383	15.6314	-22.8148	19.43	0.72	0.71	25.13	5.51
1130322326	15.6588	-22.7963	19.73	0.84	0.73	25.55	5.83
1129246050	15.3472	-29.1364	18.79	0.90	0.39	24.37	5.20
1131302228	15.5936	-2.9574	19.71	0.95	0.35	24.17	3.12
1131271024	15.6232	-2.6146	20.00	0.85	0.61	24.55	3.24
1131503984	15.5612	-3.4520	19.23	0.72	0.63	24.17	3.87
1132351514	16.0792	-4.2997	19.54	0.82	0.39	24.30	3.57
1132328757	16.2629	-4.0899	16.93	0.97	0.68	24.32	12.01
1122127206	15.4735	-15.4006	19.49	0.91	0.58	24.13	3.38
1131565429	15.6853	-16.8833	20.23	0.59	0.37	24.85	3.35
1131888573	15.5599	-18.2117	20.26	0.91	0.34	24.56	2.89
1131945686	15.7540	-18.8006	20.37	0.72	0.21	24.43	2.59
1132488096	15.6307	-22.0363	20.35	0.85	0.48	24.93	3.29
1132506020	15.6590	-22.2144	20.03	0.87	0.78	24.97	3.89
1132465822	15.8246	-21.8208	19.60	0.82	0.43	24.22	3.36
1132495318	15.8844	-22.1120	20.22	0.92	0.52	24.65	3.08
1132498690	16.2294	-22.1389	20.80	0.71	0.86	25.34	3.23
1130553714	15.4399	-28.4396	20.60	0.79	0.74	25.05	3.09
1131804811	15.7230	-4.9038	19.20	0.43	0.36	24.14	3.88
1131778241	15.8299	-4.6716	16.44	0.55	0.44	24.13	13.78
1145004880	16.2308	-5.7672	19.23	0.82	0.49	24.21	3.96
1145009531	16.4196	-5.8284	18.92	0.65	0.54	24.45	5.10
1132645970	16.0189	-15.2730	20.09	0.78	0.30	24.61	3.20
1153938776	16.4837	-16.4662	18.94	0.61	0.56	24.34	4.80
1153958017	16.5378	-16.6459	20.10	0.70	0.35	24.47	2.98
1133159800	16.1795	-17.5128	19.55	0.67	0.57	24.17	3.36
1133702047	16.5501	-17.7388	19.18	0.80	0.60	24.18	3.99
1132008848	16.0595	-20.1324	20.00	0.85	0.43	24.80	3.63
1133363387	16.0298	-21.4921	18.99	0.88	0.46	24.05	4.11

1133365713	16.1236	-21.5130	20.10	0.82	0.40	24.93	3.70
1133657682	16.1263	-23.5760	20.55	0.62	0.34	24.65	2.64
1129038532	15.6933	-23.8967	20.56	0.85	0.42	24.82	2.83
1133576297	16.0877	-26.3374	18.95	0.45	0.47	24.40	4.91
1132155607	16.3224	-27.2335	20.31	0.56	0.56	24.66	2.96
1134984045	16.0865	0.2291	19.54	0.49	0.43	24.15	3.33
1134983666	16.4783	0.2377	19.71	0.90	0.55	24.60	3.80
1135153383	16.6717	-0.1531	20.08	0.91	0.65	24.91	3.69
1134706157	16.4337	0.7981	19.13	0.45	0.47	24.46	4.63
1134729934	16.4347	0.5835	20.48	0.88	0.47	24.41	2.44
1134713995	16.5459	0.7316	19.79	0.54	0.47	24.00	2.78
1135648435	16.5488	1.5362	20.33	0.85	0.64	24.78	3.10
1137052910	16.2786	2.2767	21.96	0.58	1.05	25.30	1.86
1137274484	16.5970	1.8381	20.46	0.56	0.85	25.42	3.91
1137268946	16.7694	1.8921	19.01	0.64	0.30	24.20	4.35
1134790773	16.0427	-0.8358	19.56	0.68	0.85	25.23	5.42
1134756737	16.0886	-0.5024	20.77	0.78	0.87	25.52	3.55
1134937112	16.1313	-1.4486	20.62	0.75	0.67	24.70	2.61
1134932587	16.4296	-1.3988	19.96	0.60	0.62	24.73	3.58
1136193851	16.3232	-2.1842	19.10	0.68	0.46	24.21	4.19
1136176557	16.3242	-1.9984	21.54	0.86	0.51	25.21	2.16
1136198134	16.6600	-2.2325	20.24	0.56	0.49	25.24	4.00
1135567841	16.5326	-2.9891	20.09	0.70	0.43	24.30	2.78
1135563680	16.6773	-2.9512	19.06	0.65	0.53	24.16	4.18
1132776001	16.1445	-6.4913	18.87	0.70	0.80	24.30	4.84
1132743074	16.2123	-6.1039	20.03	0.72	1.12	24.80	3.59
1132741945	16.3693	-6.0872	21.12	0.69	0.72	25.85	3.53
1135049953	16.0640	-19.2701	20.30	0.82	0.43	24.77	3.12
1135029892	16.1187	-19.0651	21.07	0.74	0.55	25.49	3.05
1135071158	16.4082	-19.4767	18.41	0.67	0.41	24.17	5.64
1135779018	16.4007	-20.9170	20.00	0.62	0.49	24.49	3.15
1135773144	16.5942	-20.8653	19.58	0.78	0.16	24.97	4.78
1135773525	16.6198	-20.8700	19.16	0.89	0.59	24.79	5.35
1135105556	16.7468	-22.6689	19.73	0.32	0.33	24.68	3.90
1135106291	16.7516	-22.6938	18.55	0.57	0.29	24.77	7.01
1134515870	16.6887	-25.5648	18.58	0.80	0.50	24.32	5.60
1135222937	16.5474	3.4262	20.37	0.64	0.47	24.61	2.81
1135199004	16.7887	3.6770	20.08	0.61	0.32	24.76	3.44
1136745093	16.4162	3.9986	21.61	0.97	1.04	25.33	2.21
1136143945	16.6477	-3.7512	20.35	0.89	0.61	24.70	2.96
1136143754	16.9204	-3.7518	18.96	0.69	0.44	24.24	4.53
1136904996	16.6003	-4.2026	19.95	0.93	0.56	24.41	3.11
1136887626	16.7908	-4.0178	19.94	0.62	0.40	25.08	4.25
1136483551	16.8905	-15.8979	20.92	0.65	0.44	25.32	3.02
1136482263	16.9238	-15.8905	20.13	0.69	0.81	24.87	3.55
1136402439	16.3721	-17.1612	20.10	0.99	0.61	24.31	2.78
1136370361	16.7288	-16.8220	19.55	0.58	0.50	24.36	3.67
1136559496	16.5845	-18.7985	20.43	0.74	0.34	24.88	3.09
1136528106	16.9240	-18.4915	20.05	0.67	0.39	24.35	2.89
1137421200	17.0719	-22.4591	19.60	0.66	0.32	24.51	3.84
1136066229	16.3079	-25.0688	19.96	0.89	0.46	24.38	3.05

1136838929	17.0891	-27.7995	19.04	0.59	0.28	24.05	4.02
1134847983	17.0135	4.7188	19.58	0.56	0.53	24.06	3.15
1137105021	16.7657	-4.9005	22.91	0.79	0.23	26.02	1.67
1138003796	17.2131	-5.5475	17.95	0.70	0.41	24.00	6.47
1137910742	16.7385	-14.6837	20.66	0.75	0.60	24.76	2.64
1138360657	17.2252	-16.3035	20.68	0.79	0.51	25.48	3.64
1138343729	17.2280	-16.1349	20.93	0.61	0.90	25.40	3.13
1138690210	16.8201	-17.5409	21.26	0.55	0.65	25.67	3.04
1138688157	16.8753	-17.5291	19.32	0.65	0.40	24.47	4.28
1138713192	16.8767	-17.7865	21.53	0.64	0.31	25.59	2.59
1138746595	16.9536	-18.1490	19.24	0.90	0.64	24.22	3.95
1138542166	16.9976	-21.6347	20.66	0.65	0.87	25.10	3.09
1138536110	17.1731	-21.5667	20.04	0.74	0.53	24.56	3.21
1138509207	17.3334	-21.2594	19.27	0.63	0.37	24.01	3.54
1137305387	16.4388	-24.1536	19.21	0.78	0.51	24.18	3.94
1137335575	17.1394	-24.4636	20.36	0.71	0.52	24.48	2.66
1141203281	17.4111	0.1960	19.73	0.85	0.58	24.64	3.82
1140139147	17.1369	0.7060	19.59	0.73	0.84	24.58	3.96
1140126030	17.1583	0.8233	18.73	0.60	0.82	24.67	6.17
1140168011	17.2983	0.4315	19.81	0.72	0.55	24.77	3.93
1151958470	17.3404	1.6766	20.40	0.77	0.26	24.84	3.07
1151984840	17.3750	1.4155	20.37	0.91	0.32	24.77	3.02
1140501818	16.8027	1.9611	20.50	0.82	1.15	25.52	4.01
1140456532	17.0433	2.4329	20.98	0.84	0.84	25.72	3.55
1140449774	17.2552	2.5036	20.19	0.74	0.92	25.44	4.47
1140472083	17.3093	2.2801	21.61	0.91	1.16	26.39	3.60
1140508528	17.3227	1.8830	18.52	0.60	0.65	24.94	7.66
1140482701	17.5116	2.1708	20.68	0.90	0.80	24.93	2.82
1141036029	17.0480	2.7398	20.18	0.74	0.47	24.53	2.96
1141008228	17.0956	2.9877	20.23	0.66	0.48	24.65	3.06
1140408655	16.8499	-0.6801	19.99	0.41	0.83	24.25	2.84
1140407471	16.8611	-0.6829	18.64	0.69	0.95	25.12	7.88
1140386229	16.8741	-0.4860	18.95	0.46	0.78	25.24	7.23
1140431874	16.9079	-0.9147	19.36	0.87	0.74	24.17	3.65
1140406660	17.1335	-0.6530	20.36	0.86	0.66	24.81	3.09
1140432666	17.2685	-0.9140	20.39	0.84	0.61	24.52	2.67
1140198632	17.1237	-1.6979	20.45	0.71	0.54	24.56	2.65
1139117827	17.2719	-1.2829	20.56	0.79	0.66	24.99	3.08
1140203633	17.3557	-1.7619	19.32	0.90	0.87	25.55	7.01
1139044699	17.0326	-1.9761	18.02	0.66	0.31	24.34	7.34
1140858367	17.1438	-3.1784	20.61	0.83	0.51	24.70	2.62
1140273792	17.3441	-2.4876	19.01	0.80	0.51	24.16	4.27
1140285385	17.4916	-2.6116	19.91	0.72	0.99	25.52	5.27
1138255376	16.9586	-6.7574	19.54	0.92	0.62	24.36	3.68
1138087167	17.1547	-6.3392	19.07	0.50	0.78	25.11	6.44
1138246145	17.2390	-6.6628	18.86	0.79	0.88	24.65	5.74
1136650188	16.8070	-6.7932	20.27	0.64	0.59	24.74	3.14
1136659039	17.0151	-6.9048	20.93	0.77	0.54	25.39	3.11
1136663460	17.3510	-6.9630	20.98	0.56	0.81	25.76	3.62
1140208136	17.2006	-18.9067	20.37	0.64	0.44	24.99	3.35
1140910617	17.5914	-22.9734	20.02	0.81	0.50	24.72	3.47

1140913980	17.6238	-23.0004	19.73	0.71	0.53	24.36	3.36
1139957085	16.9222	-23.3865	19.54	0.80	0.60	24.25	3.49
1140026667	17.3234	-25.5212	21.09	0.47	0.01	25.08	2.50
1153628472	16.7448	-26.2053	19.53	0.39	0.47	24.60	4.12
1140332564	17.2669	-29.8889	21.11	0.68	0.51	25.16	2.58
1141178952	17.1388	3.2761	18.88	0.94	0.66	24.08	4.37
1141176761	17.5279	3.3060	20.23	0.90	0.78	24.90	3.44
1140613021	17.6615	5.1668	19.77	0.73	0.67	24.12	2.95
1142172592	17.2858	-5.2578	20.44	0.45	0.35	24.73	2.88
1141997603	17.3142	-4.7493	21.18	0.59	0.29	25.42	2.82
1142161741	17.5727	-5.1357	19.58	0.78	0.78	24.45	3.76
1140736538	17.6393	-14.1225	20.05	0.60	0.52	24.70	3.39
1142052760	17.2822	-15.9596	20.06	0.83	0.61	24.73	3.44
1141609027	17.3451	-15.4230	20.50	0.64	0.69	24.68	2.73
1146070758	17.7038	-15.5351	20.45	0.81	0.98	25.82	4.74
1141688396	17.1166	-16.9773	18.62	0.70	0.59	24.18	5.17
1141711118	17.4481	-17.2093	19.77	0.91	0.62	24.27	3.18
1141694214	17.4714	-17.0213	21.07	0.84	0.39	24.81	2.23
1142206953	17.5427	-22.0220	21.06	0.94	0.40	25.09	2.55
1142245930	17.5525	-22.4418	20.12	0.81	0.53	24.78	3.42
1141480124	17.1191	-28.4387	19.16	0.90	0.52	24.38	4.42
1141897349	17.5522	-28.7338	19.14	0.77	0.54	24.15	4.01
1141891291	17.5740	-28.6636	20.50	0.86	0.63	24.66	2.72
1140688452	17.5891	-29.2550	19.83	0.55	0.42	24.72	3.79
1142685484	17.4288	-5.6395	20.19	0.71	0.28	24.81	3.34
1142677722	17.8346	-5.5802	19.18	0.81	0.61	24.43	4.46
1142103312	17.4008	-6.5567	19.39	0.66	1.01	24.64	4.46
1142105338	17.4097	-6.5990	17.10	0.75	1.08	24.14	10.21
1142079370	17.6233	-6.2657	18.76	0.84	0.86	24.44	5.46
1142065250	17.6852	-6.0772	19.92	0.83	0.86	25.05	4.22
1143626491	17.4192	-14.6243	19.97	0.80	0.51	24.19	2.78
1143680186	17.4750	-15.1702	18.77	0.59	0.41	24.37	5.26
1143688464	17.8548	-15.2532	21.17	0.87	0.59	25.13	2.47
1143333113	17.5052	-16.3439	19.00	0.77	0.48	24.23	4.43
1143357531	18.0211	-16.5843	19.46	0.55	0.11	24.00	3.23
1143300570	17.7240	-17.5439	19.23	0.85	0.53	24.65	4.85
1143311341	17.9586	-17.6589	19.12	0.89	0.43	24.62	5.02
1143304152	18.0157	-17.5810	19.90	0.75	0.47	24.60	3.48
1143513391	17.5509	-20.2538	20.36	0.69	0.47	24.90	3.23
1143798788	17.6193	-21.2597	21.23	0.74	0.57	25.00	2.27
1143824882	17.6279	-21.5459	19.20	0.78	0.39	24.19	3.98
1142853753	17.3520	-27.3471	22.13	0.56	0.78	24.83	1.38
1142273761	17.4838	-27.5972	19.74	0.47	0.37	24.50	3.57
1142276034	17.6154	-27.6250	20.33	0.89	0.90	24.85	3.20
1144919648	17.9546	0.0194	19.65	0.95	0.51	24.19	3.22
1144953423	18.0457	-0.3164	21.17	0.84	0.88	25.76	3.30
1145238059	17.5118	0.8524	20.20	0.76	0.52	24.73	3.21
1145222892	17.7724	0.9844	18.98	0.89	0.49	24.25	4.52
1145671749	17.8300	0.4399	20.42	0.81	0.08	24.47	2.58
1145427020	17.5348	1.7337	19.98	0.76	0.91	25.01	4.04
1145447314	17.7056	1.5347	20.06	0.75	0.31	24.86	3.65

1145452156	18.0302	1.4844	19.70	0.91	0.64	25.37	5.43
1145542150	17.6655	2.1876	17.99	0.95	0.62	24.44	7.80
1145387285	17.9662	2.4629	20.11	0.51	0.17	25.20	4.15
1145527753	18.1479	2.3561	19.87	0.80	0.58	24.44	3.28
1147130482	18.1051	2.6751	20.53	0.80	0.64	24.94	3.05
1147100326	18.1776	2.9710	19.85	0.81	0.54	24.10	2.83
1147112832	18.2157	2.8502	19.42	0.94	0.65	24.51	4.16
1144704053	17.4610	-0.5566	19.56	0.60	0.64	24.49	3.86
1144694901	17.6090	-0.4573	19.63	0.94	0.48	24.01	2.99
1145188469	17.5601	-1.5475	20.55	0.69	0.37	25.21	3.40
1145171191	17.6453	-1.3839	21.21	0.63	0.38	25.10	2.39
1145186683	17.6755	-1.5410	19.26	0.91	0.39	24.62	4.71
1145157345	17.8963	-1.2542	19.36	0.81	0.57	24.24	3.77
1146475374	18.1302	-2.0060	19.54	0.89	0.70	25.06	5.08
1145933292	17.6849	-2.5821	19.17	0.73	0.55	24.40	4.44
1145949077	18.0048	-2.7397	20.59	0.56	0.62	25.03	3.08
1146576878	18.0165	-3.7756	19.11	0.78	0.62	24.53	4.85
1143754461	18.0573	-13.6460	19.49	0.68	0.47	24.03	3.23
1144825519	17.5261	-19.0600	20.42	0.70	0.53	24.71	2.89
1144839912	18.0173	-19.2138	19.02	0.91	0.50	24.04	4.02
1144820694	18.1124	-19.0225	18.58	0.85	0.51	24.03	4.91
1144069872	17.5219	-23.4412	20.52	0.75	0.45	25.25	3.52
1144052093	17.8908	-23.2763	18.10	0.57	0.65	24.03	6.12
1145513075	17.7790	-25.4943	19.25	0.90	0.71	24.18	3.86
1144512824	17.4707	-26.4510	20.94	0.89	0.20	24.83	2.39
1146977990	17.6555	3.4516	20.52	0.98	0.57	24.70	2.74
1146962026	18.0118	3.6142	20.58	0.68	0.36	24.91	2.92
1146958671	18.2455	3.6462	19.35	0.85	0.43	24.60	4.48
1146615238	18.0151	-4.1499	19.57	0.98	0.95	24.78	4.39
1146625290	18.4051	-4.2466	20.14	0.82	0.95	25.09	3.89
1147012307	17.8511	-14.0158	19.52	0.89	0.39	24.23	3.48
1146052567	17.7425	-15.3596	19.82	0.97	0.56	24.47	3.39
1146073158	17.8210	-15.5673	18.77	0.77	0.32	24.15	4.76
1146053660	18.3442	-15.3737	19.39	0.72	0.74	24.48	4.14
1146913195	17.8226	-17.1449	20.88	0.68	0.51	24.90	2.54
1146923681	17.8725	-17.2590	19.07	0.84	0.36	24.29	4.42
1146899079	17.8878	-17.0195	20.19	0.82	0.56	24.92	3.52
1146874602	17.9331	-16.7927	21.08	0.92	0.28	24.86	2.27
1146917832	18.0161	-17.1930	19.37	0.68	0.58	24.29	3.85
1146939672	18.1696	-17.4137	19.87	0.81	0.64	24.86	3.97
1146936124	18.2244	-17.3763	19.41	0.68	0.37	24.07	3.42
1146917714	18.2320	-17.1912	20.24	0.97	0.63	24.81	3.27
1145701949	17.7606	-22.7062	20.09	0.76	0.52	24.50	3.05
1145690944	17.7697	-22.5869	20.65	0.82	0.67	25.04	3.00
1147174196	17.9043	-24.8795	19.29	0.61	0.55	24.83	5.11
1147150572	18.3298	-24.6343	19.01	0.63	0.50	24.15	4.25
1147193161	18.3395	-25.0702	19.90	0.89	0.49	24.62	3.51
1147681158	18.0870	-28.2866	18.81	0.81	0.54	24.05	4.47
1146765812	18.1780	-29.9870	20.01	0.91	0.85	24.49	3.15
1148859654	18.2411	-5.6569	19.57	0.64	0.63	24.93	4.70
1148896094	18.2579	-6.0388	20.62	0.89	0.79	26.30	5.46

1148883116	18.2902	-5.8987	19.84	0.68	0.67	24.83	3.97
1148855966	18.3969	-5.6141	18.44	0.80	0.59	24.21	5.69
1148462770	18.2436	-6.0966	19.59	0.57	0.96	26.52	9.66
1148491456	18.5655	-6.4165	20.32	0.52	0.33	25.02	3.47
1149554147	18.7969	-14.9586	19.20	0.71	0.38	24.05	3.74
1148678803	18.4141	-16.2497	19.17	0.76	0.43	24.10	3.88
1148668553	18.4669	-16.1269	21.61	0.57	0.41	25.48	2.37
1148684928	18.7691	-16.3148	19.12	0.86	0.40	24.05	3.86
1148419330	18.0804	-19.8907	20.44	0.60	0.20	25.60	4.29
1147620818	17.9315	-21.9176	19.40	0.86	0.65	24.19	3.63
1147606590	18.5297	-21.7758	19.67	0.77	0.61	24.53	3.73
1148794227	18.3668	-24.2142	19.49	0.72	0.53	24.19	3.49
1148820670	18.6723	-24.5329	20.73	0.89	0.46	25.08	2.96
1149055386	18.6759	-27.0709	19.54	0.90	0.52	24.55	4.00
1149698584	18.3238	-0.2380	19.97	0.61	0.97	25.77	5.78
1149001129	18.5341	0.2639	20.16	0.79	0.94	24.85	3.45
1149023156	18.5527	0.0321	19.46	0.96	0.70	24.39	3.85
1149830574	18.4163	0.7814	19.92	0.88	0.53	24.63	3.50
1150311310	18.6442	1.3807	20.65	0.87	0.13	24.25	2.09
1150610334	18.4086	2.4424	21.54	0.76	0.93	27.03	4.99
1150638999	18.4749	2.1251	19.62	0.72	0.55	24.73	4.21
1150649331	18.6994	2.0123	21.23	0.81	0.99	25.58	2.95
1150664140	18.8240	1.8339	19.81	0.81	0.65	24.51	3.47
1151356333	18.3934	2.7488	21.07	0.59	0.48	25.50	3.07
1151339984	18.4500	2.9025	19.38	0.72	0.67	24.37	3.96
1151371262	18.6218	2.5852	19.13	0.77	0.69	24.40	4.53
1151346978	18.6742	2.8415	20.62	0.91	0.58	24.79	2.73
1177484230	18.5251	3.3742	20.35	0.49	0.28	25.29	3.87
1150384593	18.1807	-0.3869	21.16	0.75	0.76	25.65	3.16
1150388112	18.1949	-0.4412	19.01	0.52	0.88	25.45	7.75
1150426254	18.2719	-0.8278	19.16	0.87	0.56	24.19	4.05
1150432881	18.5604	-0.8881	21.08	0.87	0.85	25.69	3.33
1149891497	18.6876	-1.2416	20.09	0.81	0.76	24.68	3.31
1149910698	18.7397	-1.4575	18.50	0.58	0.56	24.17	5.43
1149913795	18.7566	-1.4807	21.06	0.42	0.83	26.60	5.10
1149892645	18.9015	-1.2538	19.70	0.92	0.58	24.54	3.70
1151718158	18.5971	-3.1319	20.16	0.76	0.48	25.02	3.74
1151587005	18.5243	-3.2798	20.34	0.83	0.57	24.63	2.87
1149104515	18.5165	-13.3100	20.31	0.68	0.71	24.43	2.66
1149130192	18.7184	-13.5648	19.45	0.62	0.29	24.54	4.16
1150367375	18.5563	-19.4972	19.43	0.65	0.37	24.35	3.85
1150335640	18.5632	-19.1445	20.65	0.78	0.36	25.55	3.81
1149475648	18.5015	-21.3109	19.30	0.79	0.64	24.03	3.52
1151142302	18.7192	4.3163	19.91	0.77	0.64	24.80	3.79
1151114301	18.8318	4.6165	19.23	0.78	0.45	24.23	3.99
1151163776	19.1631	4.0743	18.51	0.56	0.54	24.23	5.56
1150714018	18.8265	4.7242	20.35	0.73	0.58	24.71	2.96
1150715595	18.8423	4.6947	18.14	0.69	0.60	24.11	6.23
1150687223	19.0005	5.0366	15.82	0.69	-1.61	24.76	24.45
1151058746	18.8766	-12.6059	19.70	0.60	0.37	24.09	3.01
1152226537	18.8357	-15.8774	20.22	0.61	0.68	25.37	4.26

1152218202	19.0721	-15.7993	19.90	0.93	0.57	24.42	3.20
1152262005	19.1462	-16.9382	19.38	0.59	0.26	24.05	3.42
1153080373	19.0188	-18.8601	20.48	0.96	0.55	24.91	3.07
1152043713	18.7652	-20.7973	20.49	0.87	0.64	24.89	3.02
1152065527	18.8909	-21.0131	20.24	0.82	0.47	24.87	3.36
1151905974	18.4929	-22.8007	19.31	0.73	0.40	24.28	3.94
1153359502	18.8932	-24.9001	18.64	0.79	0.52	24.01	4.73
1153342417	19.0516	-24.7184	19.98	0.77	0.42	24.35	2.97
1152070955	18.4297	-25.3597	17.28	0.62	0.59	24.08	9.13
1152136651	18.5496	-26.0051	19.06	0.65	0.65	24.30	4.47
1152139131	18.8854	-26.0195	19.78	0.93	0.32	24.14	2.96
1152693021	18.5926	-29.9159	20.34	0.59	0.35	25.37	4.06
1155680822	18.8968	0.2428	20.88	0.68	0.88	25.71	3.70
1155706583	19.2774	-0.0102	20.03	0.98	0.55	24.60	3.28
1156207256	19.3943	0.4482	19.30	0.42	0.40	24.28	3.95
1155667591	19.5224	0.3704	20.47	0.88	0.56	24.70	2.80
1155119584	19.2290	-0.9243	20.44	0.64	0.10	24.70	2.83
1155063551	19.4560	-0.3775	19.21	0.51	0.51	24.43	4.42
1153687394	18.7684	-5.3723	20.92	0.52	0.55	25.33	3.04
1153451045	18.8540	-6.6269	21.02	0.53	0.83	26.52	5.04
1153437112	19.0282	-6.4724	20.37	0.51	1.00	26.38	6.37
1158175768	18.9626	-15.0718	19.79	0.97	0.48	24.07	2.86
1158189943	19.4310	-15.2217	21.30	0.83	1.08	26.14	3.71
1154841431	18.9324	-16.6178	19.54	0.91	0.72	24.47	3.86
1154798088	19.3031	-16.1391	20.98	0.85	0.44	25.36	3.00
1154326212	19.0864	-24.3928	19.29	0.92	0.65	24.12	3.69
1158630321	19.0851	1.6191	19.97	0.91	0.50	24.33	2.97
1155598164	19.0264	1.8066	20.95	0.68	0.40	25.17	2.79
1155768479	19.1881	2.9631	20.18	0.64	0.36	24.63	3.10
1155766548	19.1968	2.9780	19.93	0.88	0.48	24.25	2.92
1155993486	19.1175	3.9248	20.33	0.89	0.67	24.67	2.94
1155996392	19.3357	3.8977	19.82	0.73	0.42	24.40	3.30
1156046873	19.4124	3.4318	21.42	0.64	0.45	25.09	2.16
1156312990	19.6198	3.3700	19.78	0.67	0.55	24.33	3.25
1156005019	19.6448	3.8140	19.51	0.55	0.47	24.38	3.77
1155246238	18.9682	-1.4602	19.60	0.70	0.50	24.38	3.59
1155261940	19.1623	-1.6137	20.77	0.46	0.69	27.01	7.08
1155236469	19.3640	-1.3603	18.39	0.73	0.51	24.53	6.73
1155225505	19.3871	-1.2434	19.95	0.62	0.55	24.14	2.74
1157838031	19.2339	-2.0259	21.29	0.63	0.70	25.81	3.20
1157828523	19.4134	-1.9232	21.68	0.43	0.04	25.28	2.10
1157870298	19.5001	-2.3799	19.07	0.68	0.34	24.85	5.72
1154951901	19.5191	-2.9457	19.48	0.81	0.58	24.20	3.50
1154669288	19.0560	-13.5365	19.29	0.39	0.59	24.16	3.75
1154667469	19.3326	-13.5172	20.49	0.93	0.49	24.85	2.97
1154647088	19.4952	-13.3025	21.13	0.70	0.46	25.13	2.51
1154679817	19.5168	-13.6438	19.21	0.89	0.51	24.32	4.19
1155353546	19.0907	-21.3248	18.99	0.96	0.47	24.46	4.95
1155527936	19.2813	-26.5933	19.40	0.65	0.28	24.11	3.48
1155485896	19.7099	-26.1336	19.65	0.44	0.48	24.32	3.43
1157725007	19.3731	4.1375	19.07	0.65	0.39	24.04	3.94

1157699113	19.5551	4.3915	19.68	0.71	0.69	24.96	4.55
1157692848	19.8336	4.4591	20.08	0.79	0.51	24.68	3.30
1155980242	19.7665	4.7714	20.27	0.98	0.82	24.67	3.01
1157458734	19.5551	-4.5387	18.13	0.90	0.48	24.46	7.37
1158797972	19.3880	-5.2885	18.47	0.82	0.54	24.28	5.78
1159312961	19.8310	-6.0016	20.00	0.85	0.64	24.69	3.46
1159277620	20.0773	-5.6615	20.74	0.92	0.57	25.26	3.21
1158318010	19.4884	-14.3889	19.43	0.35	0.34	24.32	3.79
1158317623	19.9066	-14.3876	19.14	0.97	0.41	24.27	4.24
1157356729	19.3683	-17.0286	19.64	0.92	0.43	24.09	3.10
1157075259	19.7781	-16.7930	22.99	0.86	0.81	25.77	1.43
1157076247	19.7821	-16.8200	18.50	0.90	0.52	24.15	5.38
1157089670	19.8485	-16.9499	20.33	0.89	0.73	24.79	3.12
1158201736	19.4560	-18.1925	18.91	0.49	0.46	24.17	4.48
1158258091	19.7390	-18.7438	19.97	0.73	0.40	24.42	3.09
1159214182	19.7835	-29.3164	20.25	0.37	0.36	24.91	3.43
1160881118	20.0476	-0.1494	20.24	0.68	0.65	24.60	2.97
1160750549	19.7216	0.8992	20.93	0.71	0.55	25.26	2.93
1161113043	19.7568	1.7335	18.83	0.63	0.44	24.07	4.44
1161176313	19.9552	1.1347	19.20	0.79	0.71	24.04	3.70
1161142122	20.0740	1.4728	21.61	0.59	0.74	26.32	3.49
1161157428	20.1575	1.3248	20.98	0.57	0.80	25.81	3.70
1161014681	19.9797	-0.8973	19.19	0.44	0.61	24.16	3.93
1160716193	20.1447	-0.5187	19.14	0.79	0.96	24.47	4.64
1160662121	19.8640	-1.4070	20.77	0.47	0.91	25.56	3.62
1160655731	19.9213	-1.3318	21.77	0.57	0.71	26.03	2.84
1159415211	20.0364	-6.5731	19.09	0.58	0.59	24.08	3.98
1159383052	20.2127	-6.2497	20.63	0.88	0.61	25.00	2.98
1160349567	19.6640	-14.6344	19.61	0.71	0.48	24.20	3.31
1160369374	19.8057	-14.8088	20.11	0.70	0.51	24.49	3.00
1160390286	20.1341	-15.0079	20.97	0.76	0.60	25.05	2.62
1160284464	19.5612	-16.2082	20.76	0.94	0.72	26.17	4.81
1160334867	19.8110	-16.7039	20.52	0.88	0.40	25.37	3.72
1160290851	19.9349	-16.3052	17.82	0.61	0.64	24.45	8.42
1160945894	19.8861	2.0958	18.53	0.65	0.61	24.01	4.97
1161934737	20.3790	2.8394	21.70	0.80	0.90	25.97	2.85
1162767838	19.8488	3.2398	19.46	0.70	0.78	25.09	5.32
1162755836	19.8589	3.3597	20.30	0.90	0.78	25.45	4.29
1162767734	19.9306	3.2465	20.86	0.84	0.88	25.76	3.81
1162742842	19.9359	3.4952	20.65	0.87	0.65	24.82	2.73
1162724715	20.0012	3.6571	18.76	0.81	0.51	24.02	4.50
1162695872	20.0267	3.9368	20.12	0.73	0.36	24.80	3.44
1162730163	20.0624	3.6166	20.18	0.83	0.66	25.38	4.38
1162722321	20.1757	3.6863	20.77	0.74	0.66	24.73	2.48
1162752201	20.1952	3.4026	19.94	0.58	0.36	24.13	2.74
1162735708	20.3963	3.5635	20.24	0.86	0.57	24.92	3.44
1162258418	19.8884	4.4982	19.88	0.62	0.51	24.55	3.43
1162253129	20.3228	4.5492	19.40	0.68	0.39	24.89	4.98
1162249788	20.3466	4.5840	19.15	0.87	0.69	24.01	3.75
1162300645	20.4902	4.0633	21.05	0.50	0.17	24.68	2.13
1160840459	20.3025	-2.1507	20.69	0.96	0.80	25.95	4.49

1162411956	20.2950	-2.7634	20.06	0.57	0.78	25.16	4.18
1162408398	20.3097	-2.7276	20.59	0.93	0.77	26.29	5.53
1162231096	20.0480	-3.8046	20.48	0.85	0.59	25.00	3.19
1162207720	20.3606	-3.5625	20.47	0.80	0.59	24.58	2.65
1159326695	20.2700	-6.8431	18.73	0.63	0.56	24.41	5.45
1159335207	20.3176	-6.9366	19.94	0.90	0.92	24.46	3.19
1160556113	20.0684	-13.8239	20.42	0.75	0.44	24.74	2.93
1160537227	20.1199	-13.6354	19.54	0.72	0.35	24.14	3.32
1160522172	20.1679	-13.4660	21.01	0.92	0.55	25.18	2.72
1161251607	19.9290	-21.7126	20.06	0.87	0.60	24.89	3.69
1161238433	20.2371	-21.5967	19.73	0.68	0.46	24.36	3.36
1162548326	19.9825	-26.2372	19.53	0.75	0.27	24.08	3.24
1162576459	20.0421	-26.5353	19.81	0.94	0.47	24.32	3.17
1162589312	20.2006	-26.6747	22.04	0.62	0.85	24.75	1.39
1161794917	20.1132	-27.2329	20.23	0.91	0.81	25.54	4.60
1161751944	20.2739	-26.7733	20.90	0.89	0.94	26.50	5.26
1163069584	20.1367	-4.7059	19.55	0.52	0.47	24.33	3.60
1164096334	20.2847	-5.3695	20.14	0.79	0.51	24.88	3.54
1164670801	20.3683	-5.9073	19.90	0.95	0.52	24.39	3.15
1164103659	20.8115	-5.4650	17.97	0.32	0.41	24.01	6.43
1162981689	20.3446	-13.0704	20.87	0.82	0.42	25.44	3.27
1162963081	20.7401	-12.8639	19.79	0.82	0.55	24.82	4.05
1163081664	20.0637	-14.2842	19.35	0.87	0.61	24.39	4.06
1163078643	20.2833	-14.2396	21.54	0.62	0.99	26.15	3.35
1162922952	20.3731	-13.9828	21.73	0.84	0.70	25.89	2.71
1163104814	20.5939	-14.4986	20.61	0.91	0.13	24.40	2.29
1163266106	20.2582	-16.7964	20.19	0.88	0.63	24.58	3.02
1163284135	20.3909	-16.9853	19.37	0.88	0.73	24.16	3.63
1162655623	20.1618	-20.8808	20.03	0.68	0.46	24.28	2.82
1162631845	20.3715	-20.6454	21.38	0.87	0.44	25.20	2.31
1163607073	20.4607	-25.5836	21.02	0.79	0.45	24.93	2.41
1165056838	20.4381	0.1349	19.14	0.64	0.40	24.00	3.74
1165047640	20.4851	0.2326	22.05	0.82	0.34	24.97	1.53
1165085811	20.6009	-0.1618	21.54	0.63	0.44	25.33	2.28
1165056103	20.7902	0.1487	21.26	0.84	0.70	26.01	3.55
1164860192	20.5653	0.6220	21.92	0.95	0.50	24.14	1.11
1164869640	20.6447	0.5226	20.95	0.77	0.52	25.40	3.10
1166021481	20.4719	1.5650	20.58	0.75	0.72	25.41	3.69
1166037043	20.4928	1.4064	19.56	0.60	0.52	24.28	3.51
1166005311	21.0107	1.7225	19.87	0.56	0.84	25.63	5.66
1167110131	20.4805	2.1825	20.52	0.98	0.81	24.88	2.97
1166685850	20.6575	2.4794	19.78	0.46	1.85	25.48	5.51
1167137092	20.7033	1.9058	18.25	0.70	0.56	24.70	7.75
1167131786	20.8387	1.9698	19.04	0.62	0.54	24.45	4.81
1167140124	20.9690	1.8836	19.40	0.90	0.90	25.00	5.26
1165325372	20.4034	-0.6084	20.85	0.70	0.99	25.76	3.82
1165302746	20.4711	-0.3830	19.21	0.80	0.42	24.13	3.84
1165350451	20.6559	-0.8721	20.23	0.93	0.72	24.92	3.46
1165337922	20.9005	-0.7446	19.32	0.68	0.40	24.12	3.63
1165315196	20.9090	-0.5120	20.33	0.66	0.35	24.80	3.13
1170264655	20.7886	-1.4741	21.80	0.66	0.99	26.20	3.03

1166557963	20.8171	-2.3173	18.01	0.49	0.94	24.36	7.42
1166571383	20.9139	-2.4092	21.62	0.81	1.06	26.02	3.02
1170219161	20.7677	-13.9033	19.84	0.67	0.56	24.45	3.33
1165433553	20.7446	-14.8257	21.06	0.55	0.46	24.99	2.43
1165456349	20.9313	-15.0450	19.55	0.78	0.45	24.41	3.74
1165003501	20.9325	-16.4663	20.42	0.78	0.36	24.60	2.73
1166140104	20.3900	-17.8155	20.56	0.89	0.74	25.20	3.38
1166167486	20.6072	-18.0933	20.51	0.87	0.47	24.69	2.73
1166162610	20.9289	-18.0528	19.43	0.76	0.49	24.49	4.09
1165853625	20.9266	-22.0044	19.18	0.43	0.47	24.18	3.98
1164467124	20.4774	-25.2152	19.41	0.88	0.61	24.31	3.81
1164956893	20.9243	-29.5675	19.93	0.53	0.36	24.77	3.70
1166099743	20.4466	2.5787	19.79	0.69	0.77	24.62	3.69
1166087782	20.5689	2.7070	19.65	0.76	0.47	24.42	3.59
1166076220	20.6456	2.8272	20.25	0.71	0.78	24.76	3.18
1165799012	21.0336	2.9996	20.14	0.77	0.83	25.77	5.33
1167081507	20.6827	3.6757	18.39	0.59	0.45	24.15	5.67
1167082526	20.7013	3.6749	19.56	0.79	1.09	25.22	5.41
1166677183	21.0588	4.0078	21.20	0.96	0.70	26.12	3.84
1166806938	20.4830	-2.6474	20.31	0.90	0.73	25.50	4.35
1166802998	20.7254	-2.6067	21.36	0.88	0.91	25.79	3.06
1167323005	21.0010	-19.5969	19.74	0.74	0.47	24.47	3.52
1170913490	21.0000	-21.2089	20.59	0.55	0.38	24.69	2.63
1170906573	21.1077	-21.1323	19.78	0.84	0.69	24.39	3.34
1170944894	21.1895	-21.5297	20.56	0.65	0.52	24.92	2.96
1167695088	20.5234	-27.3991	18.13	0.50	0.43	24.44	7.29
1167686809	20.6197	-27.2879	20.08	0.87	0.33	24.83	3.55
1165976351	20.7763	4.9102	19.64	0.55	0.40	24.68	4.07
1165947385	21.3253	5.3685	18.30	0.84	0.67	24.31	6.34
1168183050	20.9622	-5.3253	19.92	0.92	0.48	24.46	3.23
1168118208	21.0026	-4.6509	20.79	0.67	0.56	24.69	2.40
1169654465	20.8440	-5.4775	20.09	0.54	0.23	25.05	3.93
1169674475	21.2310	-5.6834	20.71	0.80	0.51	25.38	3.43
1168335112	20.9869	-12.8166	19.03	0.92	0.44	24.27	4.45
1168361670	21.1035	-13.0766	19.50	0.96	0.56	24.02	3.19
1168367139	21.5088	-13.1330	19.11	0.69	0.63	24.27	4.29
1167774744	20.9755	-14.5521	21.96	0.38	0.33	26.24	2.86
1167622256	21.0310	-15.8963	19.75	0.82	0.55	24.23	3.14
1168046058	21.1816	-16.7820	18.92	0.90	0.45	24.13	4.39
1169063275	20.8642	-20.5111	21.35	0.78	0.87	25.98	3.37
1169083268	20.9450	-20.7392	19.37	0.83	0.66	24.24	3.77
1169081644	21.2701	-20.7292	18.58	0.75	0.54	24.14	5.16
1169462777	21.5235	-25.3831	18.85	0.74	0.57	24.24	4.77
1171318893	21.6107	0.0160	19.47	0.90	0.53	24.56	4.15
1174448522	21.3275	0.6152	19.41	0.85	0.70	24.85	4.90
1172557926	21.1666	1.6428	20.24	0.84	0.61	25.98	5.62
1172546727	21.2613	1.7636	19.22	0.52	0.75	24.43	4.40
1172549802	21.3085	1.7383	20.95	0.91	0.75	25.45	3.18
1172564314	21.3330	1.5862	21.00	0.66	0.23	24.98	2.49
1172603220	21.3474	1.1747	19.90	0.60	0.22	24.88	3.95
1172553926	21.4069	1.6860	19.16	0.83	0.95	24.61	4.89

1172594649	21. 4181	1. 2627	20. 19	0. 76	0. 41	24. 49	2. 89
1172550000	21. 4183	1. 7247	19. 26	0. 71	0. 87	25. 02	5. 66
1172570297	21. 4553	1. 5249	20. 78	0. 96	0. 86	25. 39	3. 34
1172550086	21. 4894	1. 7268	20. 68	0. 86	1. 16	25. 99	4. 60
1172564794	21. 5910	1. 5768	19. 00	0. 46	0. 48	24. 53	5. 08
1173397955	21. 1044	1. 8705	20. 79	0. 97	0. 87	25. 39	3. 32
1173375827	21. 2255	2. 0947	18. 96	0. 82	0. 45	24. 29	4. 65
1173394815	21. 2548	1. 9043	21. 80	0. 71	0. 92	26. 23	3. 07
1173379231	21. 2760	2. 0543	19. 42	0. 94	0. 62	24. 32	3. 80
1173401865	21. 3153	1. 8262	19. 81	0. 73	0. 48	24. 35	3. 23
1173389400	21. 4113	1. 9600	20. 43	0. 55	0. 95	25. 77	4. 66
1173367453	21. 4844	2. 1738	19. 01	0. 74	0. 92	24. 38	4. 74
1173387792	21. 5997	1. 9552	19. 45	0. 85	0. 43	24. 73	4. 55
1173350825	21. 6210	2. 3522	18. 92	0. 86	0. 56	24. 56	5. 35
1173397555	21. 7157	1. 8779	21. 38	0. 64	0. 69	26. 87	4. 99
1173371586	21. 7337	2. 1426	19. 32	0. 72	0. 64	24. 50	4. 34
1171910301	21. 0770	-0. 3448	19. 71	0. 90	0. 37	24. 49	3. 60
1172232764	21. 1985	-1. 0399	19. 68	0. 85	0. 84	24. 83	4. 27
1172185646	21. 2330	-0. 5235	20. 52	0. 90	0. 47	24. 99	3. 13
1172232795	21. 2773	-1. 0317	20. 25	0. 92	0. 86	25. 35	4. 17
1172223715	21. 4400	-0. 9259	21. 23	0. 58	0. 66	25. 01	2. 28
1172458297	21. 0822	-1. 6091	20. 87	0. 89	0. 58	24. 96	2. 61
1172459141	21. 1694	-1. 6366	19. 44	0. 74	0. 88	25. 47	6. 40
1172041515	21. 2036	-1. 3422	19. 32	0. 84	0. 96	25. 46	6. 74
1172445794	21. 2706	-1. 4789	19. 60	0. 89	0. 89	25. 24	5. 37
1172462381	21. 2802	-1. 6607	20. 65	0. 93	0. 93	25. 39	3. 53
1172463972	21. 2945	-1. 6775	20. 62	0. 85	0. 82	25. 79	4. 32
1172042921	21. 3668	-1. 3333	21. 54	0. 94	0. 74	25. 68	2. 68
1172464058	21. 4124	-1. 6790	20. 95	0. 69	0. 96	25. 48	3. 21
1172021051	21. 4154	-1. 1180	18. 93	0. 79	0. 85	24. 35	4. 83
1172040254	21. 4459	-1. 3154	19. 53	0. 79	0. 95	25. 12	5. 25
1172434273	21. 5331	-1. 3616	19. 62	0. 96	0. 89	25. 06	4. 89
1172460678	21. 5943	-1. 6626	18. 70	0. 45	1. 03	24. 88	6. 87
1172438027	21. 6116	-1. 4072	18. 27	0. 65	0. 92	24. 36	6. 57
1172441370	21. 6304	-1. 4363	18. 94	0. 61	0. 89	24. 83	5. 99
1172024196	21. 6736	-1. 1463	19. 29	0. 86	0. 79	24. 23	3. 88
1172029868	21. 6990	-1. 2120	18. 11	0. 72	0. 88	24. 64	8. 07
1172452639	21. 7418	-1. 5617	19. 23	0. 51	0. 88	25. 03	5. 76
1171655102	21. 1513	-2. 0731	19. 96	0. 77	0. 94	26. 06	6. 61
1171687266	21. 1658	-2. 4184	21. 52	0. 76	0. 93	26. 41	3. 79
1171654195	21. 1915	-2. 0625	20. 04	0. 78	0. 45	24. 47	3. 07
1171660502	21. 2902	-2. 1527	19. 62	0. 50	0. 49	24. 43	3. 67
1171659226	21. 4457	-2. 1210	19. 70	0. 83	0. 49	24. 01	2. 90
1171122492	21. 5064	-1. 9292	20. 06	0. 58	1. 00	25. 04	3. 96
1171131724	21. 5295	-2. 0695	19. 11	0. 50	0. 83	25. 29	6. 89
1171683183	21. 7007	-2. 3847	19. 49	0. 73	0. 78	24. 51	4. 04
1171670935	21. 7402	-2. 2510	20. 60	0. 99	0. 92	25. 18	3. 29
1169999505	21. 4426	-6. 1888	20. 21	0. 92	0. 79	24. 75	3. 23
1173932965	21. 5907	-13. 6403	17. 55	0. 90	0. 55	24. 35	9. 12
1173930728	21. 7241	-13. 5983	19. 90	0. 69	0. 58	24. 23	2. 94
1171082048	21. 2182	-15. 0827	19. 62	0. 67	0. 62	24. 57	3. 91

1171049234	21. 5015	-14. 7403	19. 25	0. 36	0. 37	24. 06	3. 66
1170413072	21. 5461	-16. 5232	21. 45	0. 73	0. 31	25. 38	2. 43
1170703693	21. 0296	-25. 3067	19. 43	0. 86	0. 39	24. 31	3. 78
1171384054	21. 7147	-29. 2037	19. 82	0. 61	0. 58	25. 15	4. 65
1173677566	21. 5031	3. 2305	19. 81	0. 86	0. 39	24. 12	2. 90
1173675468	21. 3098	3. 2483	19. 90	0. 55	0. 39	24. 71	3. 65
1173666192	21. 5716	3. 3478	19. 77	0. 81	0. 35	24. 44	3. 42
1174224657	21. 1565	-3. 0254	20. 09	0. 87	0. 48	24. 51	3. 05
1174239357	21. 2987	-3. 1751	18. 88	0. 92	0. 49	24. 08	4. 37
1174188359	21. 8051	-2. 6615	20. 92	0. 72	0. 35	25. 12	2. 76
1173500922	21. 3027	-3. 2480	20. 65	0. 67	0. 31	24. 78	2. 67
1173498697	21. 3091	-3. 2246	20. 60	0. 96	0. 59	24. 71	2. 65
1173511538	21. 4115	-3. 3607	20. 46	0. 54	0. 61	26. 21	5. 63
1173534827	21. 4295	-3. 6054	19. 93	0. 75	0. 54	24. 25	2. 91
1173559159	21. 6953	-3. 8760	18. 70	0. 77	0. 58	24. 05	4. 69
1173559884	21. 8927	-3. 8761	19. 83	0. 54	0. 74	24. 40	3. 27
1173752419	21. 4799	-4. 5742	19. 16	0. 63	0. 31	24. 67	5. 06
1172255086	21. 2439	-21. 2411	19. 09	0. 91	0. 62	24. 09	4. 00
1172258194	21. 4496	-21. 2708	20. 54	0. 62	0. 38	24. 65	2. 65
1172245526	21. 6322	-21. 1348	20. 22	0. 77	0. 45	24. 69	3. 12
1172246261	21. 9169	-21. 1510	19. 28	0. 68	0. 58	24. 03	3. 57
1173420128	21. 6466	-23. 3249	21. 18	0. 72	0. 54	25. 23	2. 58
1174339357	21. 6578	-5. 7728	19. 83	0. 67	0. 22	24. 36	3. 21
1174309940	22. 0549	-5. 4780	20. 10	0. 62	0. 37	24. 74	3. 39
1174397820	21. 5915	-13. 1589	19. 69	0. 81	0. 26	24. 19	3. 16
1173731092	21. 8327	-12. 9988	17. 94	0. 55	0. 49	24. 33	7. 56
1173797777	22. 0864	-14. 3070	21. 28	0. 78	0. 40	25. 20	2. 43
1171696623	21. 6089	-15. 3480	20. 24	0. 51	0. 22	24. 75	3. 18
1171967587	21. 7064	-16. 9467	20. 73	0. 63	0. 30	24. 88	2. 70
1171987862	21. 8143	-17. 1717	20. 55	0. 70	0. 61	24. 71	2. 71
1171961505	21. 9053	-16. 8840	20. 93	0. 82	0. 66	25. 22	2. 88
1175089741	21. 7242	-18. 6242	21. 08	0. 74	0. 62	25. 11	2. 54
1175109670	22. 0919	-18. 8612	19. 05	0. 81	0. 53	24. 46	4. 81
1172976216	21. 5627	-20. 7322	18. 98	0. 80	0. 45	24. 13	4. 27
1174490335	22. 0569	-22. 6395	19. 90	0. 92	0. 48	24. 27	3. 00
1175694935	21. 8275	-25. 4437	21. 03	0. 77	0. 64	25. 56	3. 22
1171315284	21. 7191	0. 0636	20. 18	0. 76	0. 58	24. 55	2. 98
1176422259	21. 9720	0. 3604	19. 98	0. 71	0. 30	24. 34	2. 96
1176453482	22. 2672	0. 0508	20. 10	0. 65	0. 85	25. 57	4. 96
1182031654	22. 0984	0. 8718	19. 69	0. 89	0. 53	24. 52	3. 70
1176748008	22. 0965	1. 3053	19. 56	0. 66	0. 72	24. 81	4. 46
1176728263	22. 1452	1. 5083	21. 57	0. 76	0. 75	25. 74	2. 72
1176716120	22. 1687	1. 6221	19. 63	0. 49	0. 35	24. 60	3. 93
1176745579	22. 2387	1. 3349	19. 77	0. 95	0. 53	24. 52	3. 56
1176914489	21. 9537	2. 1163	20. 44	0. 77	0. 93	25. 34	3. 80
1176911696	22. 0547	2. 1420	18. 79	0. 71	0. 89	24. 95	6. 79
1176913110	22. 2249	2. 1366	20. 58	0. 84	0. 41	24. 49	2. 41
1177270842	22. 1885	2. 8066	20. 88	0. 76	0. 64	25. 60	3. 51
1176594917	22. 0114	-0. 7704	20. 51	0. 66	0. 76	24. 77	2. 83
1176621232	22. 2131	-1. 0406	21. 10	0. 91	0. 74	26. 37	4. 53
1176604167	22. 2860	-0. 8975	17. 90	0. 47	0. 91	24. 51	8. 41

1176597872	22.3288	-0.8121	19.16	0.72	0.93	24.83	5.44
1176611134	22.3498	-0.9415	19.26	0.91	0.93	24.42	4.29
1175663806	21.7920	-1.3998	20.43	0.89	0.93	25.03	3.31
1175679340	21.8081	-1.5716	20.60	0.96	0.88	25.32	3.51
1175659860	21.9343	-1.3531	20.17	0.72	0.97	25.79	5.32
1175634750	21.9538	-1.0906	19.53	0.78	0.94	24.95	4.84
1175644818	21.9887	-1.1949	19.78	0.93	0.83	25.08	4.58
1175660878	22.0829	-1.3744	19.86	0.90	0.73	25.02	4.29
1176290767	21.8292	-1.8140	22.46	0.76	0.71	26.00	2.03
1176289132	21.8417	-1.8039	19.49	0.85	0.94	24.84	4.69
1176862550	21.8923	-2.3815	19.96	0.86	0.90	24.92	3.93
1176288685	21.9105	-1.7951	19.74	0.80	0.82	24.55	3.65
1176864575	21.9237	-2.4010	19.42	0.77	0.59	24.08	3.40
1176321301	22.2139	-2.1704	19.11	0.81	0.54	24.22	4.20
1176865859	22.2597	-2.4106	20.95	0.43	0.86	25.59	3.39
1176330583	22.2713	-2.2516	21.49	0.83	0.82	25.96	3.12
1176320595	22.3224	-2.1562	19.22	0.82	0.94	24.27	4.10
1176306986	22.3784	-2.0162	18.65	0.89	0.96	24.37	5.58
1176328014	22.3986	-2.2473	19.31	0.93	0.88	25.05	5.60
1177033493	21.9304	-2.5648	20.06	0.90	0.79	24.75	3.46
1177090085	22.1065	-3.1286	20.78	0.48	-0.02	24.92	2.69
1177044371	22.2074	-2.6826	18.82	0.77	0.40	24.01	4.35
1175314947	21.8714	-6.2994	20.36	0.87	0.64	24.53	2.73
1175321022	22.2626	-6.3803	19.08	0.80	0.40	24.29	4.40
1182278137	21.9503	-13.7679	20.24	0.86	0.72	24.58	2.94
1182253609	22.3636	-13.5437	18.28	0.89	0.57	24.03	5.64
1182290597	22.4446	-13.8854	21.59	0.61	0.45	25.82	2.80
1182250937	22.4768	-13.5024	19.62	0.88	0.56	24.66	4.06
1176678825	21.9154	-15.1645	20.16	0.65	0.37	24.60	3.08
1176643680	21.9456	-14.8152	20.07	0.67	0.27	24.17	2.64
1176638031	22.0399	-14.7741	18.92	0.47	0.59	25.31	7.58
1175866132	21.9002	-16.4808	19.52	0.61	0.24	24.35	3.70
1175839124	22.2997	-16.1606	20.36	0.83	0.39	24.63	2.85
1175876173	22.3093	-16.5947	19.78	0.95	0.45	24.29	3.18
1175863896	22.5039	-16.4517	20.49	0.59	0.63	24.86	2.98
1178537817	22.4848	-18.0982	19.88	0.76	0.39	25.01	4.24
1176011418	22.1347	-22.2756	19.83	0.86	0.68	24.39	3.26
1175998503	22.1786	-22.1542	19.48	0.64	0.44	24.48	3.99
1176010240	22.3020	-22.2615	19.36	0.52	0.51	24.29	3.87
1176149532	21.8792	-25.1948	19.46	0.87	0.58	24.17	3.48
1176589024	21.9137	-29.2000	19.79	0.88	0.46	24.30	3.18
1177116897	21.7311	-29.9592	18.70	0.56	0.77	24.21	5.02
1177822894	22.6551	4.1073	19.56	0.85	0.60	24.22	3.41
1178054690	22.6567	-3.9320	20.62	0.46	0.87	25.80	4.33
1179065553	22.5207	-4.9276	19.38	0.75	0.54	24.15	3.58
1179073286	22.7199	-5.0128	19.44	0.35	0.20	24.69	4.47
1177314102	22.2313	-11.9008	20.40	0.72	0.49	24.57	2.73
1177354960	22.2539	-12.3629	20.03	0.58	0.46	24.40	2.99
1179528484	22.1340	-19.0902	20.80	0.75	0.29	25.18	3.00
1177578335	22.5434	-24.0075	19.19	0.96	0.34	24.51	4.62
1179034458	22.8009	-27.3208	20.19	0.45	0.51	24.57	3.00

1178314344	22.1767	-28.1550	19.47	0.60	0.31	24.06	3.30
1178249511	22.4892	-27.5112	19.05	0.77	0.54	24.29	4.46
1177378234	22.3771	-28.3923	20.00	0.81	0.44	24.38	3.00
1180550142	22.5078	-5.9050	19.98	0.92	0.57	24.47	3.15
1179830505	22.4944	-12.9459	21.34	0.88	0.34	24.73	1.90
1178916348	22.4689	-14.6048	21.12	0.86	0.48	24.71	2.08
1178901304	22.8359	-14.4795	18.70	0.84	0.34	24.21	5.06
1177866489	22.2280	-15.6179	19.00	0.53	0.54	24.41	4.82
1178154516	22.8285	-15.9005	20.42	0.90	0.46	24.61	2.75
1179216881	22.3616	-18.2894	19.28	0.77	0.66	24.17	3.81
1179225086	22.6634	-18.3820	19.45	0.68	0.48	24.38	3.85
1180586226	22.5611	-20.5434	19.53	0.49	0.46	24.45	3.85
1180681591	22.5617	-22.6945	18.94	0.84	0.81	26.81	14.99
1180697997	22.5940	-22.8501	20.31	0.77	0.71	25.28	3.93
1180079012	22.8357	-26.1395	19.99	0.83	0.42	24.60	3.33
1180114552	22.8485	-26.5352	20.91	0.85	0.81	25.43	3.20
1180923557	22.6964	-0.2755	20.86	0.71	0.47	24.77	2.42
1181494319	22.5483	2.3432	20.59	0.77	0.38	24.95	2.96
1181529532	22.6229	1.9861	19.04	0.59	0.00	24.28	4.46
1181669282	22.7305	1.8920	19.13	0.84	0.84	24.89	5.65
1181490848	23.1393	2.3745	20.80	0.96	0.67	24.59	2.29
1182840985	22.7936	3.1181	19.46	0.54	0.28	24.13	3.43
1180436827	22.4631	-0.7820	20.54	0.72	0.46	24.95	3.04
1180438844	22.8441	-0.8120	19.72	0.80	0.86	25.04	4.61
1180428961	23.0205	-0.6978	19.75	0.92	0.44	24.71	3.91
1181075523	22.5778	-1.3705	19.96	0.75	0.70	24.31	2.96
1181045695	22.8848	-1.0769	18.73	0.43	0.83	24.47	5.61
1181691499	22.5564	-1.8791	20.76	0.87	0.83	25.23	3.13
1181710901	22.5826	-2.0866	19.49	0.84	0.44	24.30	3.64
1181722175	22.6797	-2.2312	17.06	0.66	0.45	24.06	10.04
1179425274	22.8470	-6.4984	19.92	0.86	0.77	25.71	5.75
1181559141	23.0176	-7.2532	18.94	0.95	0.88	25.40	7.80
1181544913	23.1008	-7.0299	20.34	0.93	0.70	25.33	3.97
1182628150	23.2639	-13.2410	18.03	0.87	0.50	24.15	6.69
1182610362	23.0744	-15.1983	20.02	0.73	0.37	24.42	3.03
1182610832	23.0783	-15.2091	19.26	0.81	0.47	24.55	4.56
1182583412	23.1887	-14.9139	19.73	0.60	0.30	24.66	3.87
1181965775	22.7716	-16.2642	20.24	0.79	0.35	24.59	2.96
1181951967	22.9766	-16.1059	20.55	0.99	0.51	24.79	2.81
1182362350	22.6911	-17.8689	21.04	0.74	0.53	25.04	2.52
1181576133	22.7003	-21.7798	19.81	0.90	0.43	24.31	3.18
1181595016	22.7721	-21.9762	20.41	0.84	0.62	24.85	3.09
1185057893	23.1293	-29.9294	20.18	0.68	0.31	24.70	3.19
1185052748	23.2857	-29.8768	19.42	0.91	0.64	24.01	3.29
1183434946	22.7733	3.8369	19.70	0.49	0.47	24.41	3.48
1308398042	23.2143	4.4639	20.68	0.58	0.20	24.68	2.52
1308400910	23.3018	4.4237	18.42	0.77	0.43	24.06	5.36
1183215622	22.8132	-4.0448	19.41	0.72	0.28	25.11	5.49
1184769448	22.9946	-5.1351	21.25	0.72	0.63	25.35	2.64
1184772586	23.2764	-5.1804	18.64	0.78	0.58	24.10	4.93
1181643829	23.2279	-7.5393	18.67	0.95	0.77	24.36	5.48

1181648187	23. 3458	-7. 5953	19. 88	0. 84	0. 81	24. 96	4. 14
1181806823	23. 1576	-10. 2114	19. 42	0. 91	0. 49	24. 44	4. 03
1183942455	22. 8491	-11. 9738	21. 37	0. 62	0. 26	24. 79	1. 93
1183974070	22. 9303	-12. 3040	19. 63	0. 40	0. 31	24. 18	3. 24
1183982001	23. 2808	-12. 3892	20. 52	0. 82	0. 93	25. 43	3. 83
1184818212	23. 0281	-19. 1494	18. 96	0. 62	0. 46	24. 03	4. 12
1184825768	23. 2757	-19. 2343	19. 81	0. 83	0. 28	24. 60	3. 63
1183592785	22. 9959	-28. 4597	20. 19	0. 93	0. 28	24. 08	2. 40
1184127605	23. 0346	-28. 1795	20. 54	0. 97	0. 03	25. 21	3. 43
1184025826	23. 0158	-29. 2699	20. 27	0. 80	0. 59	24. 45	2. 73
1184005528	23. 0332	-29. 0680	18. 85	0. 68	0. 45	24. 05	4. 38
1184028879	23. 3415	-29. 3064	20. 13	0. 92	0. 55	24. 38	2. 82
1185761665	23. 2021	-6. 6935	19. 42	0. 78	0. 80	24. 56	4. 25
1185735640	23. 2234	-6. 4308	20. 32	0. 70	0. 68	25. 61	4. 55
1300199065	23. 5152	-12. 7082	20. 21	0. 94	0. 41	24. 85	3. 39
1185321113	23. 0818	-14. 0977	18. 76	0. 56	0. 30	24. 02	4. 51
1185309319	23. 2264	-13. 9972	18. 67	0. 30	0. 68	26. 73	16. 35
1185306262	23. 3779	-13. 9394	19. 67	0. 69	0. 42	24. 22	3. 23
1184581566	23. 0619	-15. 5496	19. 67	0. 85	0. 54	24. 05	2. 99
1184591660	23. 5557	-15. 6466	20. 71	0. 65	0. 47	24. 56	2. 35
1307345337	23. 1827	-17. 4284	19. 43	0. 93	0. 45	24. 63	4. 37
1307316524	23. 2364	-17. 0807	20. 94	0. 82	0. 51	24. 90	2. 47
1307329656	23. 3369	-17. 2416	20. 10	0. 74	0. 53	24. 55	3. 09
1307328204	23. 4944	-17. 2218	20. 04	0. 65	0. 15	24. 19	2. 70
1307295699	23. 5275	-16. 8561	20. 89	0. 79	0. 72	26. 27	4. 77
1185822508	23. 4570	-20. 8680	20. 70	0. 65	0. 44	24. 83	2. 67
1185865326	23. 7413	-22. 8213	20. 72	0. 91	0. 59	25. 19	3. 12
1185856181	23. 7905	-22. 7192	22. 03	0. 72	0. 79	25. 33	1. 82
1186711968	23. 5585	0. 3470	19. 36	0. 74	0. 57	24. 13	3. 59
1186584572	23. 6363	0. 6722	19. 49	0. 57	0. 41	24. 39	3. 81
1186561588	23. 6398	0. 9073	21. 35	0. 39	0. 71	25. 42	2. 61
1187179445	23. 7273	1. 4223	19. 08	0. 75	0. 63	24. 52	4. 88
1187228000	23. 6401	2. 4090	20. 39	0. 84	0. 17	24. 45	2. 59
1187537462	23. 8609	2. 7328	19. 70	0. 89	0. 63	24. 87	4. 31
1190030257	23. 3775	3. 2695	20. 04	0. 76	0. 53	24. 55	3. 18
1189999235	23. 5978	3. 5769	19. 26	0. 76	0. 36	24. 46	4. 38
1186705810	23. 4919	-1. 0427	19. 55	0. 69	0. 86	25. 67	6. 66
1187267013	23. 2495	-1. 5432	20. 18	0. 49	0. 36	24. 60	3. 05
1186953273	23. 5774	-2. 1976	19. 30	0. 83	0. 24	24. 08	3. 59
1188475145	23. 3665	-3. 7517	19. 09	0. 81	0. 43	24. 08	3. 96
1188442448	23. 9289	-3. 4024	19. 24	0. 68	0. 35	24. 03	3. 63
1186507183	23. 3583	-7. 0959	20. 36	0. 49	0. 85	26. 55	6. 93
1186527910	23. 3717	-7. 3431	18. 57	0. 73	0. 81	25. 32	8. 95
1186512756	23. 4650	-7. 1659	19. 36	0. 80	0. 87	26. 02	8. 56
1186522902	23. 5967	-7. 2766	18. 94	0. 74	0. 90	24. 54	5. 24
1186496776	23. 6841	-7. 0187	15. 78	0. 50	0. 49	24. 20	19. 33
1186524032	23. 8478	-7. 2929	18. 62	0. 77	0. 44	24. 08	4. 94
1188246139	23. 3750	-10. 3095	19. 21	0. 63	0. 61	24. 08	3. 75
1188202692	23. 6067	-9. 8321	18. 97	0. 69	0. 51	24. 28	4. 61
1185919063	23. 6029	-11. 2834	18. 57	0. 53	0. 50	24. 07	5. 02
1188054020	23. 5981	-13. 3755	17. 90	0. 78	0. 47	24. 19	7. 23

1188076136	24.0090	-13.5949	19.25	0.58	0.46	24.51	4.50
1186780226	23.4307	-14.7962	19.75	0.63	0.27	24.88	4.23
1186809401	23.4407	-15.1086	19.66	0.61	0.45	24.50	3.72
1186801710	23.5343	-15.0321	19.12	0.86	0.57	24.13	4.01
1186779844	23.7894	-14.7874	20.30	0.67	0.16	24.85	3.24
1186808090	23.9027	-15.0951	19.14	0.80	0.54	24.19	4.07
1186792439	23.9742	-14.9311	19.34	0.66	0.45	24.08	3.55
1186998218	23.6048	-16.2441	18.89	0.40	0.51	24.18	4.55
1187003377	23.8470	-16.2880	19.51	0.60	0.20	24.01	3.17
1189193129	23.6123	-17.8968	20.70	0.75	0.47	25.20	3.17
1187054013	23.4528	-19.6910	21.28	0.79	0.46	25.42	2.68
1188035244	23.6750	-22.4689	20.97	0.87	0.51	24.99	2.54
1190689113	23.8170	-21.7498	19.13	0.79	0.47	24.88	5.63
1188395904	23.5252	4.6561	19.17	0.90	0.55	24.49	4.63
1190244160	24.0793	-5.1645	19.90	0.69	0.43	24.26	2.96
1188826737	23.5152	-7.6196	20.85	0.50	0.72	25.23	3.01
1188870870	23.6508	-8.1251	20.05	0.52	0.60	25.24	4.35
1188824146	23.8962	-7.5983	18.83	0.79	0.70	24.02	4.35
1312585144	23.7319	-10.3553	19.52	0.81	0.58	24.45	3.86
1189617970	23.7428	-19.0240	20.29	0.95	0.32	25.07	3.59
1190680099	23.7090	-21.6309	20.21	0.76	0.30	24.61	3.03
1309501851	24.0098	-27.4934	20.52	0.88	0.63	24.65	2.67
1190441313	24.1494	-28.2369	20.93	0.92	0.52	25.33	3.03
1190046419	23.6981	-29.0044	20.23	0.92	0.59	24.76	3.22
1190059855	23.7138	-29.1715	18.28	0.74	0.78	24.63	7.44
1190060303	23.7831	-29.1593	20.13	0.83	0.60	25.90	5.67
1188970332	23.4433	-29.6909	16.81	0.87	0.85	24.38	12.97
1188991267	23.8743	-29.8665	20.00	0.75	0.57	24.60	3.32
1305330939	24.0357	1.0128	20.06	0.71	0.46	24.57	3.18
1305340850	24.0478	0.8999	19.20	0.71	0.50	24.42	4.40
1305340839	24.4806	0.9015	19.87	0.85	0.99	25.37	5.00
1298659206	23.9605	-0.8986	19.78	0.59	0.42	24.27	3.15
1299057013	24.2425	-0.9632	20.90	0.65	0.26	25.06	2.71
1299057921	24.4173	-0.9772	19.53	0.91	0.48	24.06	3.21
1298612973	24.5134	-0.3985	19.43	0.80	0.52	24.74	4.59
1302114184	23.8002	-5.3566	20.84	0.90	0.32	24.93	2.62
1190541998	23.9096	-8.5559	19.54	0.73	0.58	24.71	4.33
1190548981	23.9303	-8.6272	19.87	0.74	0.45	24.97	4.17
1190540125	24.0658	-8.5394	19.91	0.79	0.84	25.15	4.47
1304381520	24.0319	-8.9632	21.34	0.79	0.84	26.08	3.53
1304438601	24.3332	-9.5481	21.50	0.58	0.95	25.89	3.02
1304442459	24.3431	-9.5891	20.95	0.79	0.94	25.30	2.96
1304437295	24.4962	-9.5346	20.75	0.81	0.63	24.90	2.70
1304390891	24.5072	-9.0580	21.64	0.70	1.02	26.19	3.24
1300391348	24.3472	-12.9724	18.81	0.69	0.30	24.00	4.36
1306188915	23.9006	-14.4795	19.53	0.88	0.69	24.16	3.37
1306149361	24.3711	-14.0528	21.49	0.50	0.79	25.30	2.31
1302052201	23.7739	-16.8405	20.12	0.71	0.40	24.54	3.06
1619396799	24.3322	-22.5054	20.14	0.55	0.72	25.31	4.32
1619410497	24.3340	-22.6585	19.37	0.81	0.60	24.71	4.68
1619418885	24.4222	-22.7383	20.74	0.82	0.29	24.50	2.25

1311223315	24. 4876	-26. 3171	20. 49	0. 86	0. 39	24. 67	2. 73
1299649512	24. 5309	1. 5747	20. 25	0. 90	0. 52	24. 55	2. 88
1306786462	24. 3444	3. 2068	21. 69	0. 59	0. 47	25. 22	2. 03
1304663534	24. 1780	3. 5008	20. 30	0. 69	0. 31	24. 48	2. 73
1304250323	24. 1954	3. 7226	18. 71	0. 60	0. 19	26. 24	12. 79
1312252803	24. 1351	-1. 3437	18. 98	0. 71	0. 71	24. 40	4. 84
1619057815	24. 1610	-1. 7927	19. 82	0. 85	0. 39	24. 01	2. 74
1619057978	24. 4749	-1. 7965	19. 78	0. 86	0. 46	24. 50	3. 51
1619707063	24. 1850	-3. 6266	18. 13	0. 50	0. 30	24. 08	6. 17
1311981810	24. 6178	-9. 8291	21. 86	0. 91	0. 45	25. 25	1. 90
1312325488	24. 4278	-13. 7958	20. 32	0. 83	0. 91	25. 34	4. 01
1311916125	24. 5182	-13. 6025	19. 33	0. 76	0. 47	24. 28	3. 89
1306677550	24. 5166	-14. 6756	19. 47	0. 79	0. 48	24. 38	3. 83
1311440503	24. 1885	-16. 3672	19. 66	0. 72	0. 46	24. 61	3. 90
1311434043	24. 6493	-16. 2911	21. 30	0. 85	0. 24	25. 18	2. 39
1302865277	24. 4318	-20. 0031	20. 03	0. 84	0. 45	24. 44	3. 03
1302882160	24. 6567	-20. 1692	20. 83	0. 66	0. 58	25. 50	3. 43
1303092428	24. 2599	-22. 4052	19. 54	0. 88	0. 38	24. 43	3. 78
1302933939	24. 7900	-22. 0948	19. 42	0. 76	0. 61	24. 37	3. 90
1309586239	24. 3535	-25. 3003	19. 77	0. 85	0. 40	24. 29	3. 21
1297834655	24. 1939	4. 5350	19. 34	0. 79	0. 73	24. 05	3. 50
1619025057	24. 4405	-4. 2979	20. 37	0. 65	0. 42	25. 24	3. 75
1619037092	24. 8576	-4. 4330	19. 33	0. 69	0. 52	24. 11	3. 61
1619017346	24. 8759	-4. 2089	19. 99	0. 63	0. 30	24. 61	3. 35
1303533103	24. 3243	-5. 0907	18. 81	0. 85	0. 66	24. 21	4. 80
1303510745	24. 4259	-4. 8270	20. 46	0. 76	0. 35	24. 78	2. 92
1303542664	24. 8943	-5. 2294	17. 31	0. 50	0. 53	24. 38	10. 35
1298605134	24. 7106	-8. 1829	20. 05	0. 78	0. 74	24. 94	3. 78
1300719668	24. 8822	-8. 3348	19. 66	0. 72	0. 49	24. 06	3. 02
1620402460	24. 5940	-21. 0564	19. 90	0. 87	0. 83	24. 54	3. 39
1299195741	24. 8400	-24. 4574	19. 81	0. 66	0. 36	24. 75	3. 87
1309230491	24. 7817	-28. 5596	20. 70	0. 68	0. 58	25. 20	3. 17
1299397581	24. 7492	-29. 0758	20. 92	0. 73	0. 51	25. 22	2. 88
1299362421	24. 8321	-28. 9057	19. 90	0. 86	0. 45	24. 43	3. 21
1299378240	24. 8797	-28. 9808	19. 43	0. 59	0. 71	24. 74	4. 61
1300127362	24. 8369	-29. 8626	20. 74	0. 64	0. 84	26. 60	5. 92
1300648523	24. 9315	0. 2732	20. 25	0. 79	0. 51	24. 72	3. 13
1300644856	24. 9792	0. 3099	20. 16	0. 71	0. 58	24. 68	3. 20
1300665619	25. 1584	0. 0827	20. 33	0. 88	0. 54	25. 18	3. 73
1300228480	25. 1146	0. 5820	19. 70	0. 70	0. 42	24. 45	3. 55
1310388975	24. 7148	1. 5739	19. 32	0. 74	0. 48	24. 14	3. 68
1301503738	24. 8897	-6. 6679	20. 30	0. 59	0. 37	24. 95	3. 40
1301459186	24. 9817	-6. 2178	20. 63	0. 82	0. 16	24. 84	2. 77
1301496492	25. 1402	-6. 6013	19. 28	0. 58	0. 58	24. 04	3. 57
1301464664	25. 1994	-6. 2787	19. 97	0. 77	0. 43	24. 98	4. 01
1620834378	25. 0196	-9. 3823	20. 35	0. 79	0. 47	25. 10	3. 55
1620825359	25. 2543	-9. 3009	19. 01	0. 89	0. 43	24. 24	4. 43
1307772626	24. 7826	-11. 7145	20. 93	0. 72	0. 23	25. 15	2. 79
1307073639	24. 8207	-11. 2472	18. 98	0. 92	0. 60	24. 27	4. 55
1302449968	24. 8241	-12. 5226	19. 82	0. 84	0. 48	24. 31	3. 14
1619662193	24. 7046	-17. 4347	19. 80	0. 56	0. 26	24. 47	3. 43

1307484743	24.7774	-18.8549	19.49	0.73	0.47	24.34	3.72
1300526033	24.9653	-21.0270	20.16	0.84	0.47	24.92	3.57
1300506760	25.1368	-20.8288	20.21	0.69	0.64	24.82	3.33
1303568323	25.2420	-22.5873	19.84	0.79	0.62	24.31	3.12
1310060007	24.9513	-26.2974	18.85	0.49	0.50	24.35	5.01
1619272017	25.2560	-26.7929	20.24	0.66	0.37	24.64	3.02
1307825720	24.8005	2.0116	19.68	0.79	0.48	24.42	3.54
1618972735	25.0537	4.4302	21.44	0.74	0.27	24.92	1.98
1618961322	25.5598	4.5686	19.47	0.79	0.26	24.16	3.45
1619254403	24.8333	-3.0599	18.50	0.72	0.43	24.96	7.80
1619260552	24.8408	-3.1206	20.87	0.71	0.39	25.02	2.70
1312147088	25.1196	-3.4090	19.87	0.87	0.76	24.40	3.22
1299475871	25.1770	-4.0049	19.79	0.79	0.64	24.64	3.72
1302637995	24.7897	-7.2312	21.62	0.80	0.61	25.75	2.67
1302638136	25.2234	-7.2556	19.00	0.61	0.70	25.04	6.44
1307640625	24.9223	-9.8139	20.34	0.75	0.43	24.35	2.53
1312100806	25.3592	-15.0465	19.31	0.80	0.61	24.17	3.75
1298303914	24.8845	-16.3584	19.02	0.86	0.40	24.75	5.58
1299031187	25.5139	-19.9224	21.35	0.73	0.18	25.12	2.26
1312781676	25.3014	-22.0881	18.86	0.54	0.41	24.17	4.59
1304968512	25.4392	-25.8448	19.06	0.80	0.52	24.39	4.65
1307235463	25.7025	-4.9903	20.15	0.68	0.48	24.60	3.09
1310537585	25.4444	-5.9166	19.60	0.71	0.37	24.09	3.15
1301680324	25.1235	-7.6114	20.44	0.89	0.85	25.49	4.08
1301718788	25.5410	-8.0220	20.46	0.94	0.64	24.73	2.84
1301704252	25.5644	-7.8737	18.97	0.77	0.64	24.17	4.37
1313300750	25.3430	-8.6638	18.91	0.71	0.56	26.00	10.43
1307541740	24.9667	-11.8997	19.15	0.77	0.42	24.38	4.43
1307550467	25.0310	-11.9816	20.97	0.88	0.39	25.36	3.01
1306976152	25.2066	-15.7028	20.59	0.70	0.16	24.73	2.69
1308209031	25.1071	-19.3340	21.37	0.84	0.10	25.24	2.37
1304069520	25.4529	-21.5221	20.98	0.84	0.40	25.04	2.58
1298508318	25.2782	-24.3009	20.17	0.62	0.19	24.91	3.53
1310950748	25.4555	-29.1338	19.41	0.63	0.36	24.26	3.71
1310676355	25.7671	0.1783	20.64	0.89	0.36	24.87	2.79
1301437877	25.8199	1.8387	19.29	0.91	0.43	24.29	4.00
1311125505	25.3610	-0.5993	19.79	0.96	0.70	24.43	3.38
1311294615	25.7004	-1.0047	20.18	0.76	0.59	24.82	3.38
1299758038	25.9183	-1.7556	20.00	0.59	0.43	24.64	3.37
1300471871	25.3244	-6.6390	20.10	0.91	0.67	24.71	3.33
1300420255	25.3585	-6.1460	17.30	0.60	0.37	24.44	10.69
1300436749	25.4686	-6.3257	16.79	0.58	0.50	24.09	11.46
1300428896	25.6876	-6.2101	19.39	0.93	0.49	24.23	3.71
1310733972	25.7822	-8.9674	20.65	0.71	0.29	26.11	4.92
1310917677	25.9846	-9.5345	19.34	0.82	0.64	24.20	3.75
1311815522	26.0308	-9.0352	19.09	0.55	0.34	24.39	4.56
1304335921	25.5210	-11.3765	19.76	0.86	0.53	24.19	3.06
1304341322	25.5433	-11.4227	21.14	0.81	0.63	25.11	2.48
1304308244	25.6876	-11.1067	22.07	0.84	0.54	25.71	2.14
1304330088	25.8261	-11.3237	20.29	0.95	0.54	24.98	3.47
1304342751	25.9238	-11.4736	18.44	0.46	0.59	24.01	5.20

1304365104	25.9485	-11.6672	20.88	0.82	0.49	24.94	2.59
1301524056	25.5816	-16.7816	19.42	0.84	0.66	24.29	3.77
1621455224	25.5013	-18.6393	19.74	0.76	0.49	24.33	3.30
1313397857	25.6576	-23.6980	19.86	0.66	0.48	24.60	3.54
1301316926	25.9453	-26.9518	19.76	0.80	0.49	24.34	3.29
1301344597	26.0565	-27.2052	20.18	0.78	0.48	25.15	3.92
1307147609	25.4450	-28.2904	20.05	0.82	0.58	24.59	3.22
1308130884	25.4794	3.2047	20.09	0.81	0.55	24.52	3.07
1308568873	25.9972	2.7079	20.08	0.83	0.56	24.75	3.43
1298751022	25.7225	3.4979	20.64	0.69	0.58	24.70	2.58
1298764526	25.9359	3.3597	21.09	0.85	0.49	24.98	2.40
1299336310	25.8409	4.6149	19.52	0.91	0.64	24.27	3.56
1308443900	25.9346	-4.0459	19.77	0.40	0.79	26.06	7.22
1308452814	26.2841	-4.1421	18.68	0.82	0.66	24.02	4.67
1311191475	25.9432	-7.4160	19.63	0.67	0.41	24.30	3.43
1301942941	26.1360	-7.8709	19.65	0.51	0.55	24.34	3.46
1301914127	26.1390	-7.5764	20.31	0.84	0.69	25.46	4.27
1302255350	25.7243	-9.8896	18.96	0.91	0.50	24.71	5.63
1308070440	25.6545	-11.8785	19.32	0.77	0.32	24.16	3.70
1308068780	25.9231	-11.8604	19.86	0.77	0.55	24.52	3.42
1308107037	26.0605	-12.2591	19.62	0.80	0.43	24.82	4.38
1308119939	26.2782	-12.4266	17.91	0.61	0.44	24.47	8.17
1308311021	25.9430	-13.2277	19.17	0.61	0.40	24.06	3.79
1298449530	25.6448	-16.5614	20.12	0.91	0.68	24.61	3.15
1298404787	25.9845	-16.0612	19.66	0.77	0.32	24.58	3.86
1308945633	25.8709	-22.7087	21.01	0.89	0.59	25.28	2.85
1193609059	25.7487	-5.1729	18.96	0.75	0.49	24.38	4.84
1193595781	25.7914	-5.0311	18.66	0.69	0.60	24.44	5.72
1193593015	25.8908	-4.9934	19.36	0.40	0.57	24.21	3.73
1194348340	26.0588	-5.3852	19.76	0.84	0.41	24.55	3.62
1194370721	26.4713	-5.6339	19.73	0.85	0.40	24.09	2.97
1194740791	25.8604	-8.7614	20.21	0.88	0.35	24.52	2.90
1194731419	26.4297	-8.6952	18.28	0.81	0.41	24.51	7.04
1194739215	26.4755	-8.7536	18.79	0.78	0.62	24.10	4.59
1194716100	26.4846	-8.5104	20.30	0.81	0.38	24.35	2.58
1193709911	25.9741	-10.5113	20.09	0.69	0.54	24.48	3.01
1193755076	26.0951	-10.9530	20.13	0.92	0.50	24.38	2.83
1193748892	26.4978	-10.8877	20.10	0.81	0.19	24.95	3.72
1193904156	26.0627	-14.0828	20.16	0.76	0.39	24.51	2.96
1193499034	26.2745	-15.3969	20.81	0.88	0.20	25.03	2.79
1193521585	26.3118	-15.6484	19.35	0.70	0.43	24.04	3.47
1194214391	25.9748	-18.9796	19.81	0.77	0.09	24.40	3.31
1194232144	26.2921	-19.1657	20.55	0.94	0.45	24.63	2.61
1196945171	26.0766	0.2649	20.89	0.82	0.28	25.04	2.69
1196945001	26.2076	0.2636	21.14	0.62	0.69	26.29	4.28
1196998687	26.3293	-0.2700	20.22	0.94	0.62	24.26	2.56
1196947750	26.6582	0.2301	19.83	0.74	0.50	24.47	3.39
1196971215	26.6839	0.0003	19.25	0.65	0.59	24.19	3.88
1197817211	26.0266	0.8104	19.70	0.84	0.50	24.82	4.20
1197791756	26.5618	1.0715	19.41	0.76	0.67	24.14	3.52
1196172804	26.4123	1.8707	19.99	0.84	0.29	24.72	3.52

1196079146	26.6873	-0.4751	19.30	0.86	0.71	24.02	3.51
1196879956	26.0624	-1.2459	19.81	0.59	0.57	24.72	3.84
1194847095	26.1086	-6.4393	19.72	0.54	0.71	24.51	3.63
1195033225	26.3327	-11.1601	19.07	0.96	0.49	24.41	4.67
1193661521	26.3789	-12.8765	19.61	0.82	0.38	24.25	3.38
1194451108	26.6249	-17.0658	18.51	0.52	0.14	24.41	6.04
1197186962	26.4049	-20.9875	18.85	0.84	0.31	24.60	5.62
1194889066	26.1913	-23.3181	17.96	0.79	0.57	24.16	6.94
1196543586	26.2059	-26.9910	20.52	0.84	0.54	24.58	2.58
1196582544	26.6482	-27.3946	20.59	0.76	0.74	24.85	2.83
1196533604	26.8291	-26.8881	20.92	0.70	0.70	25.43	3.17
1197261971	26.8321	-26.7487	21.37	0.89	0.67	26.41	4.07
1195529420	26.2625	-27.5619	19.66	0.82	0.49	24.90	4.47
1197023828	26.6653	3.5928	20.08	0.76	0.25	25.63	5.16
1194199967	27.0321	3.9975	20.47	0.79	0.58	24.69	2.79
1197442733	26.2738	-3.0027	20.79	0.80	0.50	24.88	2.62
1197439840	26.3916	-2.9737	20.26	0.55	0.55	24.52	2.83
1197450830	26.6484	-3.0964	19.10	0.69	0.58	24.22	4.21
1197679194	26.6694	-3.3427	19.12	0.82	0.56	24.11	3.96
1197679187	26.8007	-3.3395	19.77	0.76	0.64	24.29	3.20
1198187775	26.3857	-4.4288	19.50	0.86	0.28	24.33	3.69
1198179588	26.4710	-4.3460	20.52	0.55	0.29	25.23	3.49
1196666181	26.7216	-6.7761	18.46	0.65	0.30	24.71	7.09
1198841208	26.7048	-7.9572	19.22	0.86	0.40	24.68	4.92
1197594197	26.3667	-9.6868	18.66	0.71	0.70	24.25	5.24
1197591651	26.4600	-9.6544	19.45	0.89	0.52	24.42	3.94
1197621345	26.7478	-9.9464	18.78	0.84	0.48	24.23	4.91
1195654397	26.7819	-15.1627	19.01	0.77	0.67	24.04	4.05
1196839656	26.8945	-20.1179	20.03	0.89	0.58	24.51	3.14
1199001564	26.9455	-22.2881	19.92	0.86	0.33	24.94	4.03
1197240935	26.6835	-26.5181	21.09	0.61	0.14	25.52	3.07
1199963997	26.5814	-4.7580	18.75	0.33	0.51	25.29	8.13
1199982450	26.9867	-4.9420	19.44	0.68	0.52	24.02	3.28
1199989893	27.0996	-5.0223	19.99	0.77	0.32	24.40	3.04
1199762778	26.8749	-5.6009	19.79	0.94	0.50	24.82	4.04
1199786887	27.1328	-5.8787	17.64	0.60	0.48	24.36	8.80
1199801580	27.1736	-6.0186	19.74	0.79	0.62	24.71	3.94
1199766336	27.1910	-5.6377	18.73	0.53	0.51	24.39	5.42
1199299039	26.6370	-14.1363	19.74	0.74	0.49	24.64	3.82
1199327353	26.7520	-14.4322	19.68	0.55	0.78	25.44	5.66
1200052339	26.6716	-24.2228	21.58	0.85	0.81	26.50	3.84
1200043182	26.9273	-24.1340	19.51	0.59	0.30	24.71	4.38
1200048357	27.0952	-24.1880	19.67	0.75	0.53	24.85	4.35
1200033855	27.2323	-24.0492	18.99	0.58	0.33	24.01	4.03
1200050752	27.2603	-24.2162	19.00	0.79	0.73	25.00	6.35
1201897029	27.2443	1.5402	19.39	0.69	0.30	24.61	4.41
1202032730	27.1059	2.2080	19.57	0.69	0.21	24.27	3.48
1202029200	27.4036	2.2375	20.32	0.86	0.60	24.98	3.41
1201671793	27.2237	-2.4065	20.76	0.69	0.32	25.31	3.25
1201661610	27.2255	-2.3049	19.76	0.95	0.50	24.44	3.45
1201663680	27.4217	-2.3305	19.23	0.84	0.52	24.15	3.83

1201251897	27.2159	-2.9397	20.73	0.72	0.36	25.56	3.68
1200685503	26.7712	-6.1113	19.37	0.56	0.49	24.74	4.73
1200699528	26.8611	-6.2587	20.02	0.78	0.53	24.48	3.11
1200739528	26.8854	-6.6817	20.25	0.88	0.64	24.71	3.11
1200704716	27.2554	-6.3202	18.03	0.77	0.50	24.08	6.45
1202688842	27.2224	-6.9234	21.27	0.73	0.40	25.05	2.28
1201790856	27.1527	-9.5820	18.04	0.56	0.60	24.81	9.02
1201729110	27.3593	-8.9681	21.36	0.73	0.90	25.62	2.84
1201432805	27.1785	-11.3074	19.14	0.69	0.69	24.23	4.16
1199832950	26.7836	-12.7496	20.28	0.68	0.78	24.95	3.43
1199816914	26.9909	-12.5998	18.55	0.72	0.70	24.12	5.17
1200390428	27.1517	-13.1393	19.87	0.73	0.34	24.69	3.67
1199829966	27.2095	-12.7606	16.54	0.96	0.60	24.15	13.28
1200392362	27.3400	-13.1737	19.68	0.94	0.32	24.46	3.60
1202399512	26.9168	-18.7287	19.37	0.82	0.43	24.25	3.78
1201704739	27.0940	-23.7380	18.24	0.67	0.33	24.28	6.46
1201398828	27.1508	-23.2472	18.92	0.49	0.49	24.05	4.24
1201414460	27.2919	-23.4050	21.43	0.60	0.45	25.65	2.79
1201704451	27.2950	-23.7380	17.89	0.98	0.45	24.02	6.74
1201415717	27.3711	-23.4240	19.27	0.97	0.58	24.35	4.14
1201710498	27.4192	-23.7795	21.37	0.70	0.66	26.00	3.36
1202838822	26.9273	-27.8653	18.23	0.83	0.52	24.24	6.35
1202810029	27.5014	-27.5508	20.40	0.76	0.43	25.15	3.56
1203248032	26.8720	-28.6587	18.88	0.62	0.30	24.35	4.96
1204940023	27.2008	-29.1828	21.64	0.41	0.82	26.58	3.87
1202628055	27.3817	-29.8667	20.83	0.88	0.64	24.82	2.51
1202329444	26.9403	-3.7882	19.55	0.57	0.49	24.46	3.83
1202285377	27.0185	-3.3266	18.34	0.86	0.48	24.05	5.53
1203361954	27.2008	-4.1383	20.37	0.91	0.28	24.26	2.38
1204218952	27.2298	-7.5831	19.53	0.94	0.54	24.33	3.65
1204275255	27.3268	-8.1506	19.54	0.63	0.27	24.81	4.52
1204263804	27.3463	-8.0355	20.09	0.97	0.62	24.57	3.15
1203763474	27.0472	-9.9608	20.12	0.85	0.41	24.83	3.48
1203485706	27.2641	-9.7967	18.97	0.82	0.70	24.12	4.27
1203778711	27.2902	-10.1218	19.85	0.67	0.61	26.09	7.06
1203800556	27.6676	-10.3116	20.59	0.76	0.60	25.17	3.29
1204542778	27.6199	-12.2045	20.21	0.80	0.39	24.30	2.63
1204825557	27.6521	-12.4314	21.04	0.81	0.53	25.00	2.47
1203808411	27.0976	-13.2456	19.58	0.47	0.80	25.33	5.64
1203827084	27.2917	-13.4164	19.73	0.92	0.84	25.89	6.81
1203835419	27.3572	-13.4969	20.60	0.79	0.53	26.45	5.90
1203859848	27.3684	-13.7213	20.11	0.70	0.45	24.50	3.01
1204855096	27.3255	-16.2544	20.92	0.76	0.33	24.83	2.42
1204399310	27.1176	-17.9482	20.24	0.62	0.69	24.45	2.78
1204393315	27.1578	-17.8949	20.35	0.86	0.54	24.69	2.95
1204380273	27.3919	-17.7805	19.13	0.74	0.44	24.46	4.66
1203713112	27.7737	-20.0206	20.89	0.76	0.47	25.20	2.90
1202919009	27.1973	-22.9649	19.73	0.70	0.29	24.31	3.30
1203172273	26.9634	-27.1829	20.51	0.76	0.74	25.21	3.46
1203181180	27.5420	-27.2727	19.10	0.68	0.80	24.15	4.09
1203762642	27.3771	-4.7845	20.62	0.76	0.57	24.57	2.45

1204178316	27.4977	-5.0326	21.99	0.81	0.68	25.79	2.29
1205190864	27.3365	-5.7913	19.28	0.34	0.42	24.29	4.00
1205619015	27.2723	-8.3251	19.88	0.62	0.46	24.21	2.93
1205628622	27.3844	-8.4127	21.65	0.89	0.85	25.95	2.89
1205614296	27.4550	-8.2744	20.25	0.85	0.59	24.52	2.85
1205610160	27.6070	-8.2346	20.64	0.84	0.46	25.22	3.29
1205654069	27.7722	-8.6444	20.92	0.87	0.85	25.79	3.75
1205679217	27.9152	-8.8767	22.14	0.69	0.81	26.09	2.46
1205638562	27.9518	-8.5114	20.65	0.81	0.89	25.30	3.39
1205008235	27.5191	-10.5451	19.29	0.62	0.83	25.52	7.03
1205002954	27.9326	-10.4922	19.05	0.67	0.54	24.84	5.74
1309795380	28.0237	-15.9792	21.10	0.77	0.18	24.74	2.14
1206151493	27.9598	-19.1139	20.08	0.87	0.42	24.86	3.61
1204327634	27.1578	-22.2657	21.63	0.51	0.22	24.54	1.53
1204750198	27.9816	-25.0429	20.55	0.85	0.69	24.92	2.99
1207439279	27.4682	0.7403	20.43	0.77	0.43	24.47	2.57
1207683633	27.8069	1.6098	19.11	0.94	0.51	24.46	4.69
1207710883	28.0632	1.3296	20.66	0.65	0.52	25.09	3.07
1207231379	27.6463	-0.6244	18.85	0.49	0.63	24.15	4.57
1207250448	27.7064	-0.8283	18.46	0.60	0.57	24.27	5.78
1213569518	28.1605	-0.8972	19.15	0.58	0.43	24.04	3.79
1207586482	28.0282	-2.3186	20.48	0.62	0.96	25.45	3.94
1207562522	28.2234	-2.0519	19.50	0.57	0.33	24.58	4.14
1208445635	28.0440	-2.9198	19.30	0.85	0.68	24.08	3.61
1206296341	27.5763	-6.4373	21.10	0.83	0.86	25.60	3.17
1206300879	27.6396	-6.4892	19.77	0.57	0.42	25.19	4.84
1206294851	27.7185	-6.4312	19.64	0.92	0.70	24.80	4.31
1206320426	27.8627	-6.6777	18.99	0.80	0.46	24.36	4.73
1206286219	27.9982	-6.3486	20.09	0.55	0.32	24.31	2.78
1206296441	28.1404	-6.4370	19.87	0.67	0.26	24.51	3.39
1210073895	27.4941	-9.2839	20.34	0.47	0.73	25.25	3.83
1210072285	27.6238	-9.2681	18.60	0.84	0.47	24.27	5.43
1209670992	28.2046	-11.7107	20.51	0.81	0.38	24.77	2.84
1313874372	27.4442	-12.7317	19.25	0.55	0.73	25.54	7.22
1313925031	27.5231	-13.1849	19.62	0.83	0.42	24.18	3.26
1313337877	27.8640	-12.6070	17.18	0.75	0.59	24.68	12.59
1208593240	27.8389	-18.7793	20.06	0.74	0.50	24.61	3.23
1208423649	28.2411	-18.3828	19.96	0.91	0.66	24.40	3.09
1205514243	27.5681	-24.4977	19.18	0.69	0.38	24.44	4.50
1205475710	27.7801	-24.0800	19.29	0.54	0.42	24.18	3.80
1211756195	27.6546	-28.8598	19.79	0.63	0.43	24.43	3.39
1211747958	27.7166	-28.7920	19.35	0.79	0.34	24.02	3.42
1211733646	28.3016	-28.6614	20.40	0.86	0.18	25.09	3.46
1209407099	27.8861	-3.2880	20.12	0.65	0.44	25.18	4.11
1209453998	28.3341	-3.7647	19.90	0.58	0.43	24.51	3.33
1208837017	28.0483	-4.0050	18.10	0.48	0.33	24.71	8.38
1208847347	28.1205	-4.0931	20.72	0.84	0.46	25.30	3.28
1209006000	27.9048	-4.8170	20.36	0.82	0.47	25.05	3.47
1208993589	28.0679	-4.7118	18.01	0.72	0.34	25.07	10.26
1210000786	28.2431	-8.1327	21.71	0.59	1.11	25.99	2.87
1211226028	27.7307	-9.7730	20.56	0.64	0.71	25.33	3.59

1211233892	27.8582	-9.8426	20.39	0.52	0.74	26.59	6.91
1211273282	27.9123	-10.1993	19.37	0.85	0.48	24.22	3.72
1210556135	28.1401	-13.4443	19.23	0.86	0.71	25.21	6.29
1210603850	28.1663	-13.8578	19.62	0.54	0.78	24.69	4.12
1210549837	28.2456	-13.3748	21.71	0.65	0.78	26.10	3.02
1210586686	28.3329	-13.6986	21.27	0.72	0.80	25.91	3.38
1210604282	28.3994	-13.8859	17.38	0.68	0.89	24.00	8.43
1210594964	28.4084	-13.8044	17.09	0.92	0.67	24.57	12.53
1211518033	27.7253	-15.0470	21.62	0.65	0.48	25.56	2.44
1211532101	27.7603	-15.1728	20.75	0.65	0.25	24.95	2.76
1211508923	28.1104	-14.9742	20.70	0.89	0.47	24.98	2.86
1211471401	28.2558	-14.6601	20.14	0.71	0.77	25.41	4.50
1212817642	27.9717	-16.5993	20.56	0.80	0.30	25.19	3.36
1209250785	28.0666	-18.0454	20.10	0.64	0.63	24.66	3.26
1209280673	28.5424	-19.7498	19.17	0.77	0.52	24.33	4.31
1208654971	27.8508	-26.5528	20.61	0.94	0.40	24.85	2.82
1210965438	28.3479	-27.1718	21.10	0.94	0.60	25.29	2.75
1216778166	28.4933	-27.3989	21.00	0.80	0.50	25.00	2.52
1210709686	27.6555	-27.8870	19.40	0.96	0.39	24.31	3.83
1210680236	27.7397	-27.5814	22.00	0.66	0.82	26.21	2.76
1210686444	28.2312	-27.6413	21.64	0.60	0.35	25.59	2.46
1210710475	28.2784	-27.8887	19.45	0.91	0.47	24.08	3.36
1210346555	28.0211	-5.6456	20.57	0.70	0.40	24.91	2.94
1211389429	27.9806	-8.4143	20.61	0.96	0.84	24.99	2.99
1211571972	27.9852	-8.9049	21.11	0.80	0.33	25.83	3.51
1211423941	28.1333	-8.7420	19.46	0.90	0.26	24.39	3.86
1211371886	28.1393	-8.2527	20.90	0.66	0.80	25.37	3.12
1211423909	28.3055	-8.7415	20.61	0.57	0.71	26.34	5.58
1211107259	28.2984	-10.6816	18.98	0.65	0.52	24.46	4.96
1214252344	28.3045	-12.9927	20.10	0.71	0.69	26.03	6.12
1214222435	28.4212	-12.7091	20.36	0.56	0.72	25.67	4.60
1211660826	28.2924	-13.9577	19.83	0.77	0.79	26.01	6.84
1211688355	28.3153	-14.1867	21.08	0.76	0.65	26.19	4.20
1211667190	28.4236	-14.0007	21.23	0.61	0.69	26.30	4.12
1211657683	28.4314	-13.9078	22.10	0.59	0.62	26.65	3.24
1211690882	28.4761	-14.2143	20.34	0.70	0.58	25.87	5.10
1211691196	28.5257	-14.2223	19.67	0.75	0.82	25.69	6.39
1211659648	28.5380	-13.9337	20.05	0.62	0.58	24.73	3.43
1212221620	28.5441	-14.3249	18.77	0.72	0.65	24.28	5.03
1212214091	28.5520	-14.2538	19.77	0.51	0.79	24.85	4.14
1212213230	28.5911	-14.2384	20.10	0.71	0.43	24.62	3.20
1211666368	28.6104	-14.0076	18.83	0.88	0.80	25.50	8.64
1211676935	28.6893	-14.1339	16.00	0.70	0.78	24.09	16.51
1212225189	28.7923	-14.3697	18.95	0.77	0.80	25.17	6.99
1212613224	28.4512	-15.4699	20.58	0.84	0.46	24.97	3.02
1212657734	28.5200	-15.8399	20.27	0.66	0.24	24.60	2.93
1209763166	28.2367	-19.0055	20.20	0.80	0.30	24.83	3.36
1209798731	28.5217	-19.3602	19.87	0.76	0.57	24.44	3.28
1214122976	28.6268	-21.0634	18.67	0.57	0.23	24.10	4.86
1211186870	27.9146	-22.2578	20.36	0.90	0.47	24.74	3.00
1210645725	28.6293	-22.0565	19.98	0.80	0.63	24.37	3.01

1208215060	28.1612	-25.5772	18.26	0.67	0.45	24.63	7.48
1213281466	28.3119	0.0502	19.71	0.55	0.41	24.27	3.25
1213262578	28.4367	0.2459	19.74	0.77	0.56	24.35	3.34
1213307981	28.7947	-0.2655	18.29	0.68	0.44	24.81	8.03
1213305811	28.8024	-0.2185	20.23	0.68	0.23	24.83	3.32
1212927413	28.2699	1.7528	19.30	0.91	0.67	24.17	3.76
1212948266	28.3273	1.5263	20.51	0.91	0.44	24.88	2.98
1212950941	28.5953	1.4875	19.29	0.81	0.34	24.57	4.54
1212950770	28.6937	1.4987	20.97	0.74	0.18	25.00	2.56
1212944536	28.8958	1.5670	20.03	0.88	0.41	24.24	2.77
1213734268	28.5401	3.1819	19.67	0.91	0.42	24.30	3.36
1213755860	28.9339	2.9315	19.96	0.92	0.75	24.64	3.45
1214624774	28.8258	3.8582	19.34	0.40	0.86	24.75	4.82
1213529551	28.4979	-0.4926	20.25	0.68	0.32	24.58	2.92
1213555561	28.6219	-0.7565	18.52	0.75	0.53	24.08	5.16
1213548958	28.6738	-0.6840	21.31	0.90	0.81	25.51	2.76
1213568836	28.8719	-0.8976	20.04	0.64	0.28	24.99	3.90
1213425758	28.3211	-1.4462	19.62	0.92	0.57	24.58	3.92
1213443774	28.5059	-1.6332	19.19	0.68	0.42	24.05	3.74
1213447321	28.5651	-1.6566	20.65	0.86	0.70	24.74	2.62
1213438573	28.7710	-1.5762	19.70	0.89	0.48	24.57	3.75
1213600334	28.3139	-1.9316	19.06	0.58	0.49	24.46	4.79
1213898779	28.4488	-2.8160	19.67	0.76	0.21	24.91	4.47
1213876568	28.9578	-2.5690	19.85	0.93	0.71	25.20	4.68
1215229560	28.4061	-3.6535	19.86	0.90	0.66	24.30	3.10
1214697578	28.5441	-7.0727	18.68	0.90	0.66	24.11	4.85
1214736247	28.7185	-7.4170	19.54	0.83	0.48	24.52	3.95
1214710831	28.8197	-7.1826	18.76	0.80	0.65	24.16	4.78
1210075794	28.1969	-9.3065	19.46	0.36	0.47	24.68	4.42
1214063688	28.4555	-11.2236	20.47	0.84	0.43	24.86	3.00
1214092870	28.5726	-11.5095	18.85	0.61	0.54	24.31	4.94
1214849775	28.2774	-17.0796	19.56	0.88	0.46	24.17	3.34
1214821432	28.4204	-16.8157	20.39	0.79	0.55	24.96	3.26
1214836576	28.6282	-16.9635	18.81	0.38	0.52	24.31	5.03
1215047939	28.3908	-20.6292	20.63	0.80	0.56	24.95	2.92
1215573968	28.5798	-23.3559	20.49	0.90	0.41	24.63	2.68
1215679311	28.6216	-23.8037	19.81	0.90	0.73	25.63	5.81
1215101421	29.0290	4.3286	19.65	0.77	0.60	24.49	3.70
1215100314	29.1385	4.3372	20.24	0.78	0.93	25.16	3.84
1214915850	28.6863	4.9751	19.68	0.88	0.92	25.43	5.62
1214908715	28.8217	5.0876	18.89	0.85	1.00	24.02	4.23
1215157352	28.6463	-4.1106	20.17	0.69	0.25	24.83	3.42
1215182583	29.1123	-4.3816	20.66	0.56	0.71	25.22	3.26
1215195485	29.1199	-4.5306	19.86	0.83	0.85	25.02	4.29
1215165212	29.1249	-4.2238	17.63	0.79	0.48	24.77	10.68
1216259402	28.9520	-4.6613	19.59	0.64	0.52	24.43	3.70
1216010975	28.9043	-7.9441	19.80	0.48	0.12	24.62	3.67
1215709018	29.1296	-7.5582	19.40	0.70	0.54	24.04	3.38
1215945931	29.1051	-10.0933	20.36	0.47	0.39	24.89	3.21
1217019799	28.6400	-12.0091	18.98	0.73	0.79	24.20	4.40
1217019530	28.7468	-12.0031	20.88	0.91	0.71	24.97	2.62

1216475606	28.5117	-13.7876	23.02	0.41	0.62	27.19	2.71
1216427198	28.5827	-13.3576	20.72	0.78	0.79	25.43	3.49
1216438615	28.7255	-13.4878	18.45	0.82	0.82	25.55	10.47
1216471245	28.7556	-13.7665	20.80	0.64	0.77	25.32	3.19
1216453674	29.1646	-13.6077	19.58	0.74	0.79	24.67	4.16
1217101767	28.8637	-14.7930	19.46	0.83	0.32	24.14	3.44
1217129773	29.0995	-15.0422	19.43	0.63	0.66	24.35	3.84
1217829721	28.9820	-19.8633	19.61	0.74	0.59	24.35	3.54
1217828110	29.0957	-19.8502	18.90	0.82	0.67	24.11	4.40
1217712279	28.5993	-22.8433	19.76	0.59	0.63	25.48	5.56
1216764699	28.9127	-27.2683	21.03	0.93	0.42	25.43	3.02
1216634069	28.7701	-28.1838	19.28	0.88	0.40	24.59	4.60
1218565840	29.5432	-0.2243	19.63	0.57	0.51	24.62	3.99
1219438125	29.2102	0.9592	19.42	0.92	0.53	24.85	4.87
1218638325	29.2369	-0.4137	19.76	0.53	0.77	25.20	4.89
1218661308	29.5018	-0.6306	21.37	0.57	0.76	25.52	2.69
1224518772	29.5877	-0.8019	20.70	0.92	0.47	25.49	3.62
1217902785	29.1205	-5.6280	20.37	0.46	0.52	25.04	3.42
1219063123	29.3271	-6.7632	20.41	0.87	0.54	24.41	2.52
1218352896	28.8192	-8.8696	20.36	0.76	0.24	25.36	4.00
1217280734	29.1006	-8.5782	20.25	0.52	0.43	24.81	3.25
1217780385	28.9736	-10.5714	21.08	0.83	0.64	24.89	2.31
1218066987	29.2487	-10.8315	20.11	0.96	0.49	24.52	3.04
1218298423	28.8484	-14.5608	20.05	0.81	0.54	27.00	9.82
1218286496	28.8791	-14.4497	19.49	0.73	0.46	24.94	4.91
1218291192	29.1266	-14.4914	18.99	0.81	0.50	24.19	4.38
1219294188	29.0259	-15.5433	19.17	0.64	0.73	24.61	4.89
1220365564	29.2664	2.8267	20.63	0.70	0.37	24.62	2.51
1220873873	29.2029	3.7887	20.34	0.89	0.42	24.86	3.19
1220903429	29.3401	3.4721	21.28	0.54	0.01	25.04	2.26
1220886404	29.4222	3.6555	20.76	0.53	0.20	25.40	3.37
1220909977	29.5559	3.3936	20.41	0.74	0.45	26.00	5.21
1218797510	28.9932	-1.1773	19.50	0.95	0.62	24.33	3.68
1218788030	29.1539	-1.0946	18.38	0.78	0.68	24.59	6.97
1219966135	29.0039	-2.0393	18.81	0.94	0.66	24.13	4.62
1219983766	29.1226	-2.2204	21.19	0.95	0.69	25.35	2.70
1219953487	29.2847	-1.8974	21.07	0.78	0.41	25.19	2.66
1219978200	29.2965	-2.1792	19.04	0.93	0.69	24.38	4.66
1220115158	29.1474	-2.6691	19.98	0.74	0.45	24.36	3.00
1220413276	29.1506	-3.0499	19.27	0.73	0.43	24.10	3.68
1220097359	29.3568	-2.4871	20.56	0.68	0.81	25.20	3.38
1220131728	29.4548	-2.8290	20.22	0.71	0.07	24.44	2.78
1220403991	29.5895	-2.9531	18.79	0.58	0.43	24.65	5.93
1227437144	29.7236	-2.7644	19.31	0.91	0.64	24.12	3.67
1220765359	29.1601	-3.7044	20.63	0.83	0.89	25.81	4.33
1220723258	29.2889	-3.2678	18.56	0.65	0.72	24.11	5.14
1220779384	29.7895	-3.8674	18.85	0.63	0.37	24.20	4.70
1221531672	29.1290	-7.4311	18.56	0.97	0.52	24.03	4.96
1221505232	29.2587	-7.1518	19.70	0.87	0.59	24.14	3.08
1221481406	29.3134	-6.8983	20.56	0.52	0.37	24.56	2.52
1221479577	29.5317	-6.8773	20.96	0.87	0.70	25.04	2.60

1221488385	29.7486	-6.9710	20.86	0.67	0.82	25.45	3.29
1220172085	28.9642	-9.1959	19.33	0.78	0.54	24.37	4.06
1220216147	29.1936	-9.5996	19.18	0.95	0.53	24.27	4.15
1221177831	29.3172	-17.1510	20.30	0.81	0.44	24.97	3.43
1221137464	29.3810	-16.7803	20.31	0.78	0.56	24.61	2.90
1221960707	29.4192	-20.5350	20.85	0.93	0.39	25.22	2.98
1221941637	29.5345	-20.3428	19.14	0.72	0.40	24.23	4.17
1223289022	29.6419	-23.4437	21.43	0.59	0.36	25.47	2.57
1223266511	29.7064	-23.2511	19.83	0.63	1.13	25.78	6.16
1221565675	29.3893	4.3508	19.27	0.54	0.79	24.85	5.22
1221848252	29.5211	4.1251	21.64	0.72	0.45	25.06	1.93
1221845952	29.7870	4.1476	20.77	0.83	0.85	25.02	2.82
1221379472	29.4862	4.7446	19.30	0.92	0.56	24.23	3.85
1229088286	30.0138	-5.2592	19.31	0.83	0.53	24.02	3.48
1229093846	30.0204	-5.3061	20.34	0.60	0.61	24.96	3.36
1221937443	29.7488	-15.3102	19.67	0.62	0.37	24.33	3.41
1223518965	29.3689	-16.6003	20.94	0.71	0.26	25.09	2.70
1223472198	29.4076	-16.1542	21.64	0.79	0.24	24.92	1.81
1223692990	29.5952	-17.6629	19.80	0.77	0.49	24.39	3.31
1225206465	29.4619	-23.0107	19.08	0.94	0.56	24.34	4.49
1223607004	29.9635	-28.1453	20.24	0.78	0.37	24.68	3.09
1223587079	29.9688	-27.9588	19.13	0.76	0.44	24.05	3.83
1222620911	29.4898	-29.4696	19.71	0.65	0.46	24.35	3.38
1225555139	29.9098	0.1070	20.89	0.73	0.49	24.93	2.56
1225676824	29.6371	1.0485	20.31	0.54	0.50	25.07	3.57
1225866553	30.0288	0.4752	20.25	0.78	0.27	25.08	3.68
1224525253	30.1936	-0.8839	20.71	0.49	0.85	25.51	3.64
1224215966	29.6675	-5.3551	19.79	0.88	0.74	24.29	3.17
1224897742	30.2684	-6.7462	21.27	0.65	0.80	25.81	3.23
1225750101	29.5497	-8.6319	19.34	0.91	0.42	24.40	4.10
1225735952	29.5818	-8.5025	18.45	0.74	0.56	24.24	5.74
1225340900	29.7884	-8.4290	19.98	0.71	0.67	24.65	3.44
1225125377	30.1472	-12.9453	19.18	0.77	0.47	24.34	4.31
1224027989	29.7415	-14.1046	20.66	0.51	0.23	24.89	2.80
1224314887	30.2253	-14.4217	19.85	0.52	0.87	25.86	6.37
1225044256	29.6484	-15.6750	20.10	0.96	0.35	24.43	2.93
1226333436	30.0498	-18.9964	20.70	0.81	0.51	24.89	2.74
1224705163	29.8723	-21.9005	19.27	0.71	0.48	24.03	3.56
1224718789	30.1377	-22.0523	18.65	0.95	0.53	24.04	4.77
1225817946	29.8200	-24.9993	20.59	0.78	0.87	25.53	3.88
1225817858	29.8466	-25.0002	20.18	0.55	0.90	25.39	4.39
1225816190	29.9027	-24.9878	20.51	0.89	0.88	25.13	3.36
1225830960	30.0096	-25.1279	21.39	0.48	0.79	25.51	2.66
1225823928	30.0347	-25.0586	20.64	0.53	0.57	26.76	6.67
1225811323	30.2307	-24.9407	19.17	0.85	0.89	24.33	4.28
1225818363	30.2757	-25.0083	20.12	0.90	0.88	25.27	4.27
1225816185	30.2928	-24.9787	21.50	0.92	0.73	26.01	3.17
1224815281	29.8994	-25.9148	19.51	0.78	0.46	24.71	4.37
1224821736	30.1557	-25.9821	19.36	0.79	0.41	24.05	3.46
1224111897	29.5826	-26.4218	18.53	0.75	0.40	24.26	5.58
1224126129	30.0017	-26.5878	19.46	0.88	0.49	24.21	3.55

1226906528	30.0976	2.8066	21.63	0.61	0.58	25.22	2.08
1226442835	29.7031	-2.1548	19.20	0.74	0.54	24.23	4.05
1226469988	30.0315	-2.4358	19.06	0.93	0.56	24.09	4.04
1226469225	30.0482	-2.4290	20.03	0.84	0.47	24.26	2.80
1226886068	29.8372	-3.2925	20.28	0.61	0.61	24.73	3.10
1227692041	29.9519	-3.5612	19.78	0.66	0.56	24.62	3.70
1227121639	29.7698	-7.0145	20.36	0.55	0.83	25.94	5.20
1227122357	29.8051	-7.0232	21.16	0.51	0.67	27.06	6.04
1227132864	29.8900	-7.1394	21.07	0.82	0.91	25.20	2.68
1227126882	29.9371	-7.0738	20.85	0.75	0.86	25.27	3.05
1227135706	29.9753	-7.1786	19.55	0.76	0.88	24.75	4.37
1227117510	29.9874	-6.9783	19.29	0.66	0.98	25.06	5.70
1227143103	30.1567	-7.2558	19.73	0.88	0.54	24.23	3.17
1227115896	30.2149	-6.9532	20.14	0.71	0.81	25.31	4.31
1227103343	30.3488	-6.8230	20.01	0.79	0.45	24.70	3.46
1226198178	29.7697	-9.0967	21.82	0.64	0.43	25.51	2.18
1226187526	29.8943	-8.9951	19.65	0.87	0.49	24.36	3.50
1226842073	29.8251	-11.4345	18.80	0.47	0.31	24.17	4.74
1226825220	29.9626	-11.2700	19.86	0.70	0.62	24.66	3.65
1226972853	30.3565	-17.0893	19.94	0.77	0.41	24.42	3.15
1226959295	30.3859	-16.9714	20.97	0.88	0.38	25.32	2.97
1227966288	29.9409	-24.1423	19.97	0.87	0.67	25.27	4.58
1227948783	30.4644	-24.0018	18.62	0.81	0.56	24.34	5.55
1227403502	30.2824	5.2899	19.76	0.63	0.32	24.24	3.13
1228484591	30.1134	-4.5625	19.03	0.51	0.27	24.71	5.46
1229070984	30.0521	-5.0979	18.30	0.90	0.61	24.30	6.32
1229073143	30.2662	-5.1017	21.26	0.72	0.99	25.71	3.09
1228376494	30.0331	-12.1728	20.27	0.90	0.63	24.90	3.36
1228357115	30.3553	-11.9446	20.27	0.80	0.65	25.14	3.76
1228327884	29.9878	-13.8264	20.81	0.56	0.68	26.13	4.61
1228886244	30.1598	-16.2980	17.52	0.84	0.55	24.34	9.24
1228923726	30.3115	-16.6445	20.16	0.64	0.22	25.30	4.25
1230119703	30.3780	-17.7776	19.74	0.71	0.46	24.33	3.30
1230119789	30.4448	-17.7784	19.90	0.68	0.51	24.55	3.39
1230048175	30.3316	-22.8076	19.72	0.93	0.39	24.46	3.55
1230349840	30.7319	-27.3746	20.79	0.59	0.45	24.93	2.68
1229263629	30.0880	-28.7838	20.03	0.77	0.35	24.59	3.26
1229238580	30.7716	-28.5217	19.16	0.59	0.65	24.18	4.02
1228937960	30.2945	-28.9092	20.68	0.79	0.17	25.77	4.16
1229960952	30.2062	-29.8705	19.29	0.64	0.35	24.85	5.15
1231395250	30.5258	-0.0511	20.92	0.93	0.93	26.00	4.15
1232137957	30.8648	0.4391	18.54	0.91	0.45	24.12	5.20
1232167899	30.3872	1.5923	19.90	0.82	0.28	24.43	3.21
1232171066	30.4790	1.5553	19.35	0.64	0.58	24.69	4.65
1232811210	30.7379	2.3342	19.54	0.89	0.74	24.42	3.77
1232409645	30.5026	-1.2110	21.26	0.80	0.49	25.18	2.42
1232418381	30.5652	-1.3118	21.38	0.85	1.11	26.11	3.53
1232258256	30.6562	-1.9466	20.28	0.97	0.52	24.70	3.06
1232284879	30.6675	-2.2409	19.61	0.80	0.60	24.37	3.58
1232282112	30.8168	-2.2195	20.25	0.77	0.54	24.45	2.76
1230467125	30.4736	-5.6466	20.82	0.60	0.79	25.58	3.56

1231300965	30.4618	-6.6730	20.31	0.74	0.51	24.68	2.98
1230538843	30.4274	-8.5241	20.52	0.72	0.66	25.06	3.23
1232598208	30.8037	-9.3219	19.08	0.75	0.47	24.03	3.90
1230592549	30.1768	-10.7445	19.87	0.89	0.52	24.61	3.54
1230604428	30.1904	-10.8629	18.79	0.87	0.56	24.01	4.43
1231994668	31.0265	-15.6802	19.73	0.71	0.69	24.46	3.52
1232789007	30.3719	-19.5890	20.10	0.50	0.51	24.93	3.68
1231177269	30.5779	-22.0194	21.18	0.80	1.50	26.12	3.88
1233497429	30.6124	2.6214	20.83	0.88	1.12	25.35	3.19
1233449794	30.7727	3.1218	19.22	0.77	0.34	24.01	3.62
1233503466	30.9661	2.5646	21.04	0.67	0.35	25.17	2.68
1233256722	30.5909	3.2547	19.59	0.86	0.44	24.08	3.16
1234030098	31.0982	4.0304	19.84	0.63	0.76	24.55	3.48
1234018185	31.2656	4.1657	19.19	0.92	0.62	24.41	4.43
1233851294	30.7561	-2.6387	20.42	0.65	0.65	25.19	3.59
1233092114	31.0229	-7.3865	20.21	0.50	0.47	24.89	3.44
1233078227	31.0704	-7.2404	21.31	0.73	0.27	24.96	2.15
1234449316	30.8747	-9.8338	20.08	0.77	0.35	24.34	2.85
1234450837	31.1345	-9.8649	18.23	0.67	0.24	24.43	6.93
1233171147	30.9517	-11.5447	18.82	0.74	0.59	24.03	4.39
1234197059	30.9802	-18.6151	18.93	0.97	0.38	24.01	4.13
1234374518	31.2527	-20.9408	19.43	0.75	0.46	24.49	4.09
1233429652	31.1536	-21.6760	20.35	0.85	0.58	24.73	2.99
1234103709	30.7300	-24.0512	19.86	0.86	0.42	24.16	2.88
1232672799	30.4798	-24.7975	20.70	0.83	0.86	25.20	3.16
1235293331	31.0754	-5.1766	20.53	0.65	0.46	24.72	2.75
1234959647	31.0628	-7.9673	19.70	0.86	0.49	24.32	3.34
1236383870	30.9979	-10.6930	19.66	0.72	0.54	24.06	3.02
1237055355	31.4458	-10.9322	18.49	0.79	0.56	24.16	5.41
1236353778	31.4773	-10.3814	19.54	0.90	0.53	24.03	3.16
1235450853	31.0241	-12.1043	19.76	0.45	0.39	25.13	4.73
1235448112	31.0518	-12.0583	21.51	0.88	0.39	25.19	2.17
1235469471	31.1208	-12.2952	19.83	0.67	0.46	24.27	3.08
1235482471	31.2523	-12.4569	19.17	0.64	0.39	24.82	5.39
1234611935	30.7112	-13.8783	19.85	0.83	0.52	24.37	3.20
1234593299	30.7775	-13.6596	18.09	0.95	0.74	24.08	6.29
1234299063	31.0663	-13.2194	19.42	0.74	0.49	24.65	4.43
1234698917	30.6933	-14.6954	19.37	0.79	0.51	24.21	3.71
1234709347	30.8413	-14.8298	17.33	0.55	0.55	24.18	9.34
1235324739	31.3971	-16.2152	20.24	0.76	0.43	24.63	3.01
1235646465	30.8591	-22.6116	20.88	0.70	0.32	24.92	2.57
1235657645	31.0205	-22.7244	20.82	0.68	0.45	25.06	2.81
1235365092	31.3694	-23.4016	17.55	0.77	0.54	24.19	8.50
1236877051	31.3521	-27.7037	19.84	0.83	0.17	24.42	3.28
1235597873	30.8507	-28.5979	20.89	0.58	0.40	25.01	2.66
1235582944	31.2766	-28.4300	19.88	0.85	0.52	24.16	2.86
1235610949	31.2833	-28.7333	20.00	0.66	0.54	25.02	4.03
1235591776	31.5254	-28.5302	19.14	0.79	0.38	24.51	4.75
1236199048	31.3818	-29.0933	20.17	0.77	0.47	24.76	3.31
1236762930	31.6354	-0.0359	20.24	0.94	0.60	24.69	3.10
1237785726	31.4685	0.6040	21.06	0.61	0.84	25.79	3.52

1237688086	31.6267	1.5065	18.64	0.86	0.59	24.13	4.99
1243989968	31.7605	1.4514	20.39	0.52	0.46	24.37	2.49
1238410632	31.3631	2.1786	19.85	0.65	0.46	24.90	4.08
1238407085	31.7454	2.2001	19.31	0.86	0.51	24.27	3.92
1237246112	31.2764	-0.7177	20.14	0.76	0.53	25.22	4.13
1238222179	31.4983	-1.6853	21.95	0.69	1.00	26.51	3.25
1237510475	31.5217	-1.0592	20.07	0.81	0.39	24.18	2.64
1238556373	31.1023	-2.1426	18.85	0.69	0.53	24.09	4.46
1238576537	31.4061	-2.3391	19.28	0.81	0.52	24.43	4.27
1238567786	31.4433	-2.2544	18.85	0.90	0.27	24.52	5.42
1237330953	31.6611	-12.4776	19.19	0.81	0.50	24.33	4.25
1237595550	31.3418	-13.9145	19.50	0.87	0.45	24.80	4.56
1237618451	31.4559	-14.1708	19.04	0.60	0.29	24.45	4.82
1237866453	31.0920	-19.5532	19.30	0.56	0.41	24.74	4.90
1237837796	31.2033	-19.2157	20.38	0.96	0.36	24.74	2.96
1236936305	31.3050	-21.8844	21.54	0.72	0.08	25.44	2.40
1236977491	31.3097	-22.3071	18.87	0.58	0.37	24.40	5.10
1236969486	31.3791	-22.2100	21.31	0.54	0.66	26.68	4.73
1236945613	31.6428	-21.9798	20.05	0.50	0.31	24.87	3.67
1237485846	31.8221	-25.7922	20.12	0.89	0.68	24.75	3.36
1237198355	31.2030	-26.6323	19.66	0.74	0.40	24.35	3.46
1238890220	31.3427	2.9605	19.61	0.89	0.39	24.82	4.39
1238890000	31.6862	2.9655	20.01	0.82	0.49	24.35	2.94
1239929804	31.6032	3.8985	20.29	0.78	0.37	24.71	3.04
1239967452	31.7813	3.4902	19.74	0.95	0.45	24.17	3.06
1239860121	31.5542	-3.2363	21.06	0.74	0.36	24.97	2.42
1240499536	31.7332	-7.8905	19.50	0.67	0.47	24.52	4.03
1240461426	31.9476	-7.5074	20.20	0.52	0.36	24.34	2.68
1240061572	31.4435	-9.8417	17.95	0.68	0.44	25.01	10.30
1240065082	31.4875	-9.8500	20.59	0.77	0.57	24.92	2.93
1240071650	31.6453	-9.9448	18.10	0.83	0.61	24.15	6.48
1239077598	31.4840	-11.3602	20.08	0.58	0.43	24.52	3.08
1238751267	31.5016	-16.9999	19.71	0.58	0.53	24.38	3.43
1238757096	31.6708	-17.0698	20.32	0.83	0.45	24.81	3.16
1240358899	31.4452	-18.8050	19.60	0.82	0.35	24.18	3.29
1239427297	31.4052	-21.7162	20.69	0.64	0.43	24.90	2.77
1239429260	31.8368	-21.7381	20.45	0.82	0.45	25.04	3.29
1239402033	31.8827	-21.4416	19.94	0.84	0.69	24.63	3.46
1239405266	31.8905	-21.4748	19.52	0.55	0.18	24.41	3.78
1239291157	31.5094	-25.1309	20.37	0.83	0.29	24.78	3.05
1239296774	31.8138	-25.1917	19.67	0.71	0.49	24.02	2.96
1239214388	31.6149	4.8746	19.00	0.90	0.61	24.12	4.21
1240874706	31.9802	-4.9565	21.33	0.67	0.11	25.19	2.35
1241757250	32.1095	-8.8551	20.13	0.66	0.36	24.15	2.55
1240702969	31.5766	-13.2042	18.80	0.92	0.63	24.02	4.42
1240817917	31.5312	-15.0456	20.49	0.91	0.59	24.91	3.05
1240670257	31.7957	-14.8635	19.67	0.73	0.28	24.27	3.33
1241601426	31.9292	-16.4662	20.69	0.77	0.60	24.86	2.72
1242277534	32.0415	-19.9000	20.00	0.89	0.39	24.62	3.35
1242315936	32.1563	-20.2935	19.68	0.98	0.53	24.41	3.53
1240139228	31.9719	-20.6253	19.97	0.77	0.37	24.34	2.98

1241556241	31. 7026	-23. 0700	19. 84	0. 54	0. 57	24. 49	3. 40
1241514046	31. 8659	-22. 6341	20. 40	0. 54	0. 31	24. 98	3. 29
1241529524	31. 8665	-22. 8047	19. 26	0. 77	0. 54	24. 27	4. 00
1243153267	31. 8276	0. 3090	18. 77	0. 62	0. 48	24. 17	4. 79
1243181169	32. 0892	0. 0298	18. 94	0. 91	0. 53	24. 31	4. 73
1243987927	31. 8113	1. 4648	19. 69	0. 85	0. 45	24. 63	3. 89
1243958229	32. 0230	1. 7569	20. 61	0. 76	0. 61	25. 28	3. 44
1243991798	32. 1058	1. 4179	18. 54	0. 88	0. 61	24. 38	5. 85
1243982552	32. 2356	1. 5204	20. 11	0. 84	0. 64	24. 54	3. 06
1243995104	32. 2607	1. 3741	18. 83	0. 95	0. 56	24. 47	5. 35
1243923740	31. 8287	2. 1074	19. 08	0. 69	0. 88	24. 48	4. 79
1243914362	31. 8563	2. 2030	20. 57	0. 73	0. 46	25. 43	3. 74
1243932853	31. 9380	2. 0155	20. 51	0. 82	0. 55	24. 86	2. 96
1244331132	32. 1853	1. 9164	19. 56	0. 75	0. 86	24. 89	4. 65
1243900950	32. 3242	2. 3332	19. 52	0. 69	0. 53	24. 06	3. 23
1244940593	32. 4937	3. 0409	19. 56	0. 86	0. 54	24. 40	3. 72
1243323357	31. 8664	-0. 7113	20. 42	0. 58	0. 58	25. 06	3. 39
1244403596	32. 0888	-2. 3923	19. 57	0. 71	0. 24	24. 40	3. 70
1244666097	32. 1978	-3. 0583	19. 90	0. 92	0. 59	24. 30	3. 03
1243115290	32. 0037	-6. 2804	20. 52	0. 79	0. 48	25. 11	3. 30
1243120595	32. 1011	-6. 3420	19. 85	0. 72	0. 86	24. 66	3. 65
1243117263	32. 2729	-6. 3074	20. 32	0. 68	0. 27	25. 36	4. 05
1244258278	32. 2156	-9. 4991	20. 39	0. 82	0. 67	25. 26	3. 75
1244265756	32. 3720	-9. 5824	19. 94	0. 63	0. 59	24. 85	3. 83
1244238846	32. 4248	-9. 2911	19. 54	0. 72	0. 67	24. 27	3. 53
1243728878	32. 0453	-12. 9199	20. 41	0. 57	0. 52	25. 06	3. 39
1243556066	32. 0362	-13. 9554	20. 08	0. 72	0. 30	26. 21	6. 71
1244201872	31. 9062	-16. 0085	20. 83	0. 73	0. 54	25. 09	2. 83
1244103861	31. 9312	-19. 0235	19. 82	0. 95	0. 49	24. 41	3. 30
1243648401	32. 0358	-22. 0822	20. 89	0. 87	0. 23	24. 79	2. 40
1243643920	32. 1487	-22. 0293	19. 87	0. 63	0. 48	24. 11	2. 82
1243807405	32. 1676	-22. 4312	19. 52	0. 60	0. 43	24. 51	3. 97
1244421460	32. 0378	-25. 4004	21. 31	0. 91	0. 66	25. 97	3. 40
1244733742	32. 2566	-25. 9461	19. 57	0. 56	0. 50	24. 07	3. 17
1243499032	32. 1401	-26. 9114	20. 12	0. 58	0. 59	24. 67	3. 24
1242793835	32. 3978	-27. 8930	20. 19	0. 94	0. 48	25. 06	3. 75
1242483585	32. 2182	-28. 3704	19. 83	0. 68	0. 53	24. 09	2. 83
1242154633	32. 2131	-29. 3963	19. 28	0. 79	0. 56	24. 12	3. 69
1245181211	32. 0154	3. 4592	20. 10	0. 70	0. 73	24. 44	2. 95
1245157454	32. 1741	3. 6795	17. 84	0. 68	0. 28	24. 18	7. 36
1245161653	32. 1984	3. 6652	21. 57	0. 46	-0. 07	26. 47	3. 81
1245632882	32. 3413	4. 3896	19. 40	0. 80	0. 48	24. 17	3. 58
1245638928	32. 5103	4. 3269	20. 03	0. 85	0. 68	24. 59	3. 26
1245637932	32. 7138	4. 3288	18. 79	0. 89	0. 38	24. 05	4. 50
1245283536	32. 0089	-3. 5056	20. 46	0. 73	0. 46	24. 67	2. 78
1245312127	32. 6134	-3. 7909	20. 63	0. 85	0. 58	24. 87	2. 81
1244863858	32. 4302	-6. 8436	19. 82	0. 77	0. 59	24. 70	3. 77
1246228114	32. 1398	-7. 8499	17. 70	0. 75	0. 76	25. 30	13. 18
1246219830	32. 1907	-7. 7371	19. 58	0. 71	0. 57	24. 67	4. 16
1246214902	32. 2027	-7. 6840	20. 14	0. 64	0. 77	24. 88	3. 54
1246257609	32. 3460	-8. 1426	21. 55	0. 78	0. 79	26. 01	3. 12

1246241913	32. 3796	-7. 9705	19. 98	0. 60	0. 65	25. 27	4. 56
1246214356	32. 3912	-7. 6866	19. 72	0. 55	0. 81	25. 10	4. 73
1246210987	32. 4781	-7. 6676	17. 69	0. 74	0. 52	24. 03	7. 41
1246001176	32. 1404	-9. 7965	19. 46	0. 94	0. 77	24. 95	5. 02
1246035835	32. 2491	-10. 1628	19. 65	0. 68	0. 72	24. 62	3. 94
1246027678	32. 5539	-10. 0764	19. 81	0. 86	0. 64	24. 75	3. 88
1244989443	32. 2594	-11. 6307	18. 99	0. 71	0. 70	24. 15	4. 28
1244700132	32. 4921	-11. 2714	19. 97	0. 69	0. 36	24. 74	3. 57
1247184287	32. 3882	-13. 2873	19. 56	0. 62	0. 36	24. 47	3. 81
1247238580	32. 4066	-13. 8634	21. 03	0. 53	0. 37	25. 37	2. 94
1247241035	32. 5953	-13. 8901	20. 07	0. 82	0. 27	24. 35	2. 86
1247175650	32. 6873	-13. 1926	20. 91	0. 66	0. 47	25. 17	2. 84
1247193916	32. 8043	-13. 3953	19. 72	0. 87	0. 63	24. 40	3. 44
1245364091	32. 1022	-21. 3732	18. 80	0. 85	0. 52	24. 15	4. 69
1245718070	32. 5318	-24. 3768	20. 16	0. 87	0. 28	24. 73	3. 26
1245947802	32. 0246	-24. 9487	18. 26	0. 76	0. 37	24. 20	6. 17
1245923805	32. 5666	-24. 6933	19. 41	0. 40	0. 36	24. 11	3. 47
1247623781	32. 9451	-8. 6337	19. 30	0. 56	0. 48	24. 38	4. 14
1248200708	32. 4689	-10. 4747	19. 64	0. 55	0. 41	25. 10	4. 94
1248193038	32. 5949	-10. 3960	18. 81	0. 80	0. 58	24. 24	4. 85
1246923290	32. 2120	-12. 4169	19. 44	0. 78	0. 55	24. 53	4. 17
1247515683	32. 7189	-17. 9622	20. 40	0. 72	0. 10	24. 39	2. 51
1247499651	33. 0816	-17. 7682	19. 84	0. 82	0. 46	24. 31	3. 13
1247975359	32. 7049	-19. 7435	19. 46	0. 74	0. 90	24. 92	4. 93
1248011456	32. 9204	-20. 1415	20. 74	0. 58	0. 59	25. 38	3. 39
1246313059	32. 7790	-20. 8042	19. 43	0. 95	0. 55	24. 26	3. 68
1248494700	32. 4679	0. 2919	20. 09	0. 82	0. 58	24. 45	2. 97
1248507816	32. 5649	0. 1547	20. 80	0. 69	0. 57	25. 74	3. 89
1248962109	32. 6361	0. 7579	19. 68	0. 86	0. 57	24. 09	3. 03
1249175487	32. 5218	1. 3914	19. 21	0. 79	0. 52	24. 11	3. 81
1249192404	32. 7880	1. 2141	20. 36	0. 89	0. 41	25. 23	3. 76
1249197764	32. 8365	1. 1541	21. 08	0. 52	0. 11	25. 68	3. 32
1249159224	33. 0308	1. 5626	19. 03	0. 74	0. 53	24. 44	4. 82
1249687751	33. 0009	2. 0783	20. 24	0. 90	0. 62	24. 90	3. 41
1249662204	33. 1610	2. 3573	21. 56	0. 66	0. 57	25. 53	2. 48
1250239644	32. 6282	2. 6043	20. 75	0. 67	0. 53	25. 01	2. 84
1248903183	32. 6045	-0. 7822	20. 78	0. 53	0. 81	25. 92	4. 25
1248887776	32. 7511	-0. 6250	20. 29	0. 77	0. 85	25. 39	4. 18
1249754608	32. 5455	-2. 1476	20. 91	0. 77	0. 22	24. 92	2. 52
1249761382	32. 8556	-2. 2226	20. 61	0. 62	0. 40	25. 21	3. 31
1249744296	32. 9721	-2. 0535	19. 34	0. 89	0. 49	24. 53	4. 36
1249891919	32. 6318	-2. 8765	20. 45	0. 89	0. 59	24. 98	3. 22
1249901989	32. 7693	-2. 9839	20. 72	0. 79	0. 34	25. 07	2. 96
1249881664	33. 0027	-2. 7655	20. 51	0. 78	0. 43	24. 88	2. 99
1249891398	33. 0612	-2. 8692	20. 07	0. 71	0. 41	24. 75	3. 44
1248063420	32. 5561	-6. 4243	19. 72	0. 32	0. 24	24. 81	4. 15
1248079506	32. 5694	-6. 6004	21. 79	0. 83	0. 84	26. 16	2. 98
1248090830	32. 7514	-6. 7223	21. 53	0. 74	0. 97	26. 20	3. 43
1248065141	33. 0546	-6. 4452	19. 30	0. 78	0. 76	24. 69	4. 75
1249558053	32. 9721	-9. 0915	19. 69	0. 66	0. 45	24. 86	4. 31
1248796074	33. 1827	-13. 9245	19. 12	0. 80	0. 62	24. 09	3. 93

1249110579	33. 1121	-15. 7910	19. 35	0. 59	0. 46	24. 10	3. 56
1249486696	32. 6486	-18. 9909	21. 07	0. 85	0. 24	24. 90	2. 33
1249502729	33. 0286	-19. 1801	18. 45	0. 91	0. 65	24. 09	5. 34
1249510743	33. 2955	-19. 2662	19. 63	0. 71	0. 86	25. 22	5. 25
1249285182	32. 6174	-21. 8550	19. 31	0. 49	0. 59	24. 55	4. 45
1249312809	33. 1117	-22. 1584	20. 20	0. 79	0. 30	24. 77	3. 28
1248772687	32. 6625	-29. 4142	19. 99	0. 67	0. 48	24. 43	3. 09
1248780014	32. 9667	-29. 4887	19. 56	0. 88	0. 68	24. 13	3. 28
1248350476	33. 1381	-29. 0958	20. 02	0. 85	0. 57	24. 86	3. 71
1249408696	32. 8029	-29. 6464	19. 89	0. 71	0. 32	25. 09	4. 37
1249438571	32. 9047	-29. 9439	20. 52	0. 87	0. 42	24. 74	2. 78
1251093088	32. 9527	4. 0570	20. 05	0. 64	0. 43	24. 59	3. 23
1250821708	33. 4464	4. 1952	20. 10	0. 64	0. 69	25. 63	5. 09
1249950126	33. 1343	5. 0372	20. 39	0. 81	0. 54	24. 58	2. 74
1249957096	33. 3749	4. 9441	19. 84	0. 53	0. 48	24. 06	2. 78
1250945942	32. 7814	-3. 2247	19. 09	0. 83	0. 55	24. 12	4. 04
1251231761	33. 2432	-3. 4671	19. 60	0. 89	0. 50	24. 37	3. 59
1252130584	32. 8939	-7. 8779	20. 66	0. 75	0. 49	25. 01	2. 96
1251598686	33. 3211	-7. 7623	19. 22	0. 60	0. 85	25. 65	7. 69
1252421562	32. 8546	-10. 2437	20. 11	0. 80	0. 59	24. 36	2. 82
1252396734	33. 0775	-10. 0070	17. 36	0. 89	0. 50	24. 03	8. 62
1251683066	33. 0388	-13. 7951	19. 43	0. 71	0. 65	24. 43	3. 99
1252236272	33. 4987	-14. 7371	21. 42	0. 53	0. 20	25. 60	2. 73
1251757946	33. 3482	-24. 0187	20. 36	0. 74	0. 45	24. 52	2. 70
1251427997	33. 3971	-24. 6532	18. 34	0. 81	0. 46	24. 30	6. 19
1250746241	32. 7677	-25. 6338	19. 45	0. 81	0. 56	24. 00	3. 25
1250771213	33. 3334	-25. 9111	20. 80	0. 73	0. 38	24. 98	2. 74
1252549560	33. 0523	-11. 8917	20. 24	0. 82	0. 29	24. 95	3. 49
1252453402	33. 0359	-16. 3119	20. 18	0. 54	0. 35	25. 20	4. 03
1252933959	33. 0902	-23. 7448	18. 91	0. 86	0. 34	24. 16	4. 48
1252509033	33. 1723	-23. 3603	19. 29	0. 45	0. 57	24. 43	4. 25
1252941698	33. 3345	-23. 8279	19. 72	0. 66	0. 42	24. 19	3. 13
1252926170	33. 5759	-23. 6651	19. 53	0. 41	0. 42	24. 05	3. 19
1254611848	33. 3506	0. 7951	19. 21	0. 92	0. 62	24. 26	4. 07
1254328984	33. 6169	1. 0609	19. 87	0. 53	0. 51	24. 46	3. 31
1254543599	33. 8601	1. 7040	19. 11	0. 87	0. 43	24. 54	4. 88
1255887166	33. 5661	-2. 6942	19. 98	0. 56	0. 50	24. 39	3. 05
1255883963	33. 6171	-2. 6599	19. 99	0. 76	0. 57	24. 25	2. 84
1256551983	33. 5511	-3. 3400	22. 12	0. 84	0. 31	25. 41	1. 81
1254839355	33. 8191	-6. 4242	20. 50	0. 71	0. 44	25. 00	3. 18
1256932698	33. 4768	-7. 3046	19. 32	0. 78	0. 42	24. 57	4. 48
1256907694	33. 4962	-7. 0264	20. 16	0. 64	0. 44	24. 78	3. 35
1256886943	33. 5918	-6. 8054	20. 06	0. 78	0. 54	25. 16	4. 18
1257068113	33. 5973	-7. 3561	21. 31	0. 85	0. 89	25. 75	3. 08
1257070783	33. 6278	-7. 3878	20. 54	0. 82	0. 72	25. 40	3. 74
1255728823	33. 5951	-9. 5743	20. 64	0. 82	0. 44	24. 53	2. 40
1255694752	33. 6964	-9. 2393	18. 92	0. 84	0. 52	24. 13	4. 39
1255813036	33. 3906	-11. 2094	20. 55	0. 64	0. 53	25. 70	4. 28
1255814228	33. 5604	-11. 2245	19. 65	0. 46	0. 47	24. 54	3. 80
1255830950	33. 7699	-11. 4241	18. 98	0. 98	0. 58	24. 16	4. 33
1254459301	33. 6450	-12. 6782	18. 70	0. 73	0. 50	24. 43	5. 56

1255408940	33.8147	-13.1272	18.80	0.66	0.65	24.44	5.35
1254450175	33.8297	-12.5832	19.78	0.60	0.54	24.67	3.80
1254882214	33.4548	-14.1241	19.98	0.69	0.57	24.54	3.26
1255221076	33.8742	-15.5125	21.13	0.54	0.83	26.27	4.24
1256093389	33.4345	-19.1448	18.92	0.77	0.61	24.20	4.54
1256076927	33.4658	-18.9652	18.95	0.90	0.66	24.21	4.49
1256096955	33.5650	-19.1758	19.48	0.51	0.42	24.12	3.38
1253786441	33.4952	-22.5300	19.30	0.79	0.33	24.09	3.61
1253809357	33.8215	-22.7759	18.30	0.64	0.47	24.25	6.17
1256850081	33.7723	-27.0985	19.77	0.83	0.53	24.38	3.33
1255647905	33.5738	-29.4773	20.78	0.80	0.39	24.90	2.66
1257782516	33.8420	-5.2747	20.13	0.72	0.47	24.83	3.47
1256939579	33.7313	-7.5314	18.97	0.58	0.45	24.27	4.57
1256959707	33.9554	-7.7355	21.48	0.57	0.40	25.56	2.61
1256964767	34.1488	-7.7977	19.66	0.84	0.30	24.08	3.06
1256938363	34.1688	-7.5122	20.18	0.72	0.58	24.53	2.97
1257175723	33.7457	-9.8551	20.43	0.75	0.59	24.35	2.42
1257180664	33.8039	-9.9345	18.60	0.89	0.73	24.12	5.07
1308607540	34.1490	-13.4332	17.55	0.41	0.44	24.17	8.40
1301828809	34.3213	-14.9059	23.64	0.53	0.33	25.17	0.81
1309708877	33.7758	-17.3839	20.89	0.71	0.55	25.26	3.00
1257392744	34.0015	-21.0501	20.73	0.94	0.38	25.24	3.18
1257373516	34.1013	-25.1473	21.10	0.84	0.43	24.88	2.28
1302304651	33.6619	-25.3316	20.66	0.67	0.50	25.33	3.42
1302304647	33.8112	-25.3301	20.28	0.72	0.63	24.88	3.32
1259796828	33.9651	-0.1076	19.07	0.89	0.51	24.50	4.87
1259493047	33.9455	1.0529	20.05	0.63	0.33	24.66	3.34
1259496628	34.2886	1.0187	19.40	0.43	0.68	24.75	4.69
1258365121	33.8858	-5.9378	20.93	0.72	0.33	24.84	2.42
1258333527	34.3845	-5.6164	20.35	0.98	0.64	25.16	3.67
1253376891	33.7528	-8.3603	19.00	0.74	0.45	24.06	4.10
1257958383	33.9691	-8.4156	19.58	0.71	0.38	24.11	3.21
1258592827	34.0087	-10.3540	19.59	0.89	0.48	24.41	3.67
1258595309	34.1290	-10.3802	18.83	0.83	0.47	24.48	5.36
1257835236	34.1706	-12.2973	18.69	0.80	0.46	24.03	4.66
1258280751	33.9407	-16.4848	18.63	0.92	0.51	24.13	5.03
1258890123	34.4634	-17.6762	20.22	0.87	0.51	25.29	4.12
1258458892	34.0146	-23.3010	17.46	0.76	0.48	24.14	8.66
1258112949	33.9035	-24.1743	19.17	0.99	0.44	24.19	4.03
1258121857	34.0436	-24.2762	19.43	0.90	0.54	24.47	4.07
1258112241	34.3932	-24.1622	20.29	0.77	0.33	24.66	2.99
1259130727	34.3566	1.3306	19.94	0.84	0.89	25.88	6.14
1261112696	34.4690	2.8472	19.54	0.75	0.40	24.18	3.38
1260696139	34.0643	-1.1707	20.00	0.89	0.42	24.55	3.25
1260742018	34.1064	-1.6249	19.60	0.82	0.56	24.10	3.17
1260631853	33.9678	-1.9621	20.19	0.79	0.24	24.72	3.21
1260651368	34.2681	-2.1555	19.49	0.60	0.55	24.33	3.72
1260633113	34.3084	-1.9748	20.61	0.86	0.71	24.83	2.79
1259773321	34.6201	-2.5782	20.87	0.80	0.31	24.86	2.50
1261561863	34.7981	-3.3477	20.54	0.89	0.58	24.97	3.07
1260537792	34.3196	-7.2414	20.13	0.71	0.54	24.97	3.71

1260511865	34. 4128	-6. 9463	19. 56	0. 77	0. 42	24. 02	3. 11
1260367520	34. 4496	-8. 9793	19. 37	0. 95	0. 63	24. 27	3. 80
1260384355	34. 5119	-9. 1652	19. 44	0. 83	0. 60	24. 50	4. 11
1260385828	34. 5923	-9. 1802	19. 67	0. 70	0. 63	24. 64	3. 93
1260217170	34. 1378	-11. 0845	21. 22	0. 48	0. 40	25. 98	3. 57
1258852773	34. 2166	-12. 5602	20. 41	0. 55	0. 53	25. 11	3. 46
1259682742	34. 4211	-13. 1482	19. 60	0. 55	0. 14	24. 94	4. 66
1261236710	34. 1429	-19. 1257	17. 84	0. 76	0. 67	24. 22	7. 53
1259249199	34. 0153	-19. 9490	19. 75	0. 81	0. 60	24. 23	3. 15
1259258092	34. 0699	-20. 0438	19. 96	0. 89	0. 52	24. 63	3. 43
1259249307	34. 1379	-19. 9513	19. 42	0. 73	0. 60	24. 33	3. 82
1260788734	34. 4201	-22. 0782	19. 31	0. 46	0. 46	24. 09	3. 60
1266540787	34. 8265	-22. 1763	19. 38	0. 89	0. 54	24. 25	3. 77
1261617873	34. 5833	-26. 7795	20. 77	0. 72	0. 27	25. 28	3. 18
1261372689	34. 3565	-29. 1245	18. 12	0. 86	0. 64	24. 19	6. 53
1262031854	34. 7948	4. 2858	20. 25	0. 82	0. 45	24. 35	2. 64
1263048395	34. 7407	-7. 5127	20. 03	0. 91	0. 52	24. 76	3. 52
1263068031	34. 7937	-7. 7303	19. 54	0. 62	0. 54	25. 03	5. 01
1263068989	34. 8182	-7. 7377	20. 18	0. 63	0. 33	24. 71	3. 22
1262561130	34. 3185	-9. 7743	18. 52	0. 98	0. 59	24. 16	5. 34
1262552517	34. 9339	-9. 6688	19. 73	0. 58	0. 70	24. 88	4. 28
1263685088	34. 5454	-12. 0697	18. 90	0. 48	0. 52	24. 14	4. 45
1263679052	34. 5597	-12. 0086	19. 18	0. 88	0. 59	24. 33	4. 26
1263976913	34. 6952	-12. 4084	20. 45	0. 89	0. 31	24. 79	2. 95
1263118205	34. 6615	-13. 2486	19. 67	0. 77	0. 47	24. 43	3. 58
1263624273	34. 5136	-15. 0092	20. 21	0. 77	0. 42	24. 67	3. 10
1261435762	34. 2892	-16. 9152	20. 44	0. 80	0. 50	24. 95	3. 19
1263356300	34. 9986	-18. 7815	19. 93	0. 72	0. 65	24. 66	3. 52
1262722797	34. 8123	-21. 4490	19. 95	0. 68	0. 71	24. 65	3. 48
1262354925	34. 7956	-26. 4589	20. 38	0. 79	0. 48	24. 64	2. 84
1265385878	35. 0401	1. 6767	19. 97	0. 74	0. 55	24. 53	3. 26
1264529443	35. 2009	-0. 4652	17. 77	0. 68	0. 76	25. 66	15. 10
1265299169	34. 6445	-6. 2090	21. 39	0. 83	0. 33	25. 76	2. 99
1260498288	34. 7036	-6. 7655	20. 77	0. 83	0. 62	25. 28	3. 18
1265322154	34. 7838	-6. 4670	20. 40	0. 79	0. 82	25. 44	4. 06
1265332795	35. 0166	-6. 5754	20. 35	0. 72	0. 80	25. 57	4. 42
1265322081	35. 2054	-6. 4608	18. 84	0. 60	0. 45	24. 35	5. 05
1264128764	34. 8374	-8. 5903	18. 98	0. 96	0. 57	24. 62	5. 36
1264306361	34. 9445	-10. 8903	19. 46	0. 68	0. 46	24. 03	3. 27
1264736145	34. 8074	-16. 5257	18. 36	0. 73	0. 52	24. 12	5. 67
1264739374	34. 8285	-16. 5491	19. 77	0. 68	0. 48	24. 54	3. 60
1264181829	34. 5601	-20. 5479	19. 30	0. 91	0. 47	24. 05	3. 57
1263795713	35. 0282	-24. 2337	19. 17	0. 83	0. 66	24. 35	4. 34
1265702426	35. 1280	1. 8362	19. 46	0. 57	0. 47	24. 28	3. 67
1267160143	34. 8313	2. 5338	20. 45	0. 56	0. 40	25. 26	3. 66
1267668260	34. 9285	-7. 1463	19. 15	0. 92	0. 79	24. 36	4. 40
1266004202	34. 9384	-9. 5727	21. 21	0. 74	0. 49	25. 09	2. 37
1265972246	35. 1406	-9. 2079	20. 11	0. 90	0. 51	25. 30	4. 35
1266275494	34. 7670	-12. 8271	21. 37	0. 75	0. 50	25. 52	2. 70
1266266943	34. 8269	-12. 7351	20. 43	0. 86	0. 19	25. 07	3. 38
1266278368	34. 8598	-12. 8636	19. 65	0. 68	0. 51	24. 94	4. 56

1265908267	34.9026	-14.1985	21.95	0.64	-0.02	25.67	2.21
1265916199	34.9166	-14.3016	21.04	0.72	0.70	25.06	2.54
1266825009	35.1157	-15.6213	18.72	0.78	0.61	24.01	4.58
1267051859	34.9695	-19.4448	21.31	0.63	-0.04	25.45	2.68
1267039619	34.9780	-19.3038	19.17	0.63	0.41	24.16	3.98
1267050181	35.4587	-19.4246	20.34	0.86	0.55	25.39	4.08
1267061228	35.5325	-19.5793	19.37	0.51	0.48	24.75	4.75
1264964338	34.8119	-19.7038	19.75	0.80	0.46	24.53	3.61
1265267303	34.9001	-20.1678	19.83	0.72	0.57	24.57	3.54
1264973422	34.9917	-19.8059	20.11	0.58	0.50	25.56	4.89
1264967775	35.0748	-19.7401	20.39	0.76	0.78	25.59	4.38
1265842944	35.0964	-22.5847	19.30	0.75	0.45	24.33	4.05
1268493973	35.2239	-8.1280	20.07	0.82	0.40	24.07	2.52
1268449386	35.4250	-7.6283	19.67	0.73	0.48	24.26	3.31
1268005726	35.3402	-9.9152	20.06	0.90	0.54	24.95	3.80
1269000439	35.3177	-12.1681	19.12	0.69	0.31	24.01	3.79
1268731365	35.3906	-13.5026	19.52	0.82	0.57	24.39	3.75
1268746052	35.7903	-13.6812	20.20	0.69	0.47	24.30	2.64
1266449907	35.1731	-16.8812	19.33	0.39	0.53	24.24	3.83
1266458109	35.2103	-16.9761	19.31	0.54	0.40	24.19	3.79
1266465034	35.3136	-17.0553	18.41	0.83	0.45	24.02	5.29
1266452563	35.3292	-16.9053	19.35	0.43	0.37	24.65	4.58
1266478131	35.3945	-17.2148	19.34	0.71	0.65	24.28	3.88
1266498865	35.4370	-17.4668	19.45	0.92	0.65	24.24	3.62
1266465627	35.5472	-17.0537	19.79	0.65	0.51	24.36	3.28
1269319924	35.7460	-24.9267	18.73	0.71	0.61	24.20	4.97
1271823613	35.3762	0.2469	21.03	0.86	0.88	26.14	4.20
1270736983	35.8058	0.5792	19.74	0.64	0.49	24.51	3.58
1270536604	35.3575	1.1545	19.46	0.63	0.37	24.48	4.04
1270957299	35.6893	-0.7954	18.57	0.62	0.64	24.54	6.24
1271101048	35.6704	-1.4944	20.45	0.61	0.76	26.45	6.33
1271614503	35.5186	-2.0374	19.60	0.62	0.57	24.15	3.24
1271593937	35.7540	-1.8269	20.17	0.79	0.78	25.24	4.11
1271614694	35.8279	-2.0570	18.90	0.59	0.48	25.37	7.84
1269848344	35.3151	-5.5392	20.40	0.64	0.77	26.77	7.50
1269837953	35.3433	-5.4233	21.09	0.68	0.88	25.50	3.04
1269832371	35.3498	-5.3589	21.30	0.73	0.41	25.36	2.58
1269245600	35.5322	-8.6691	20.80	0.68	0.54	26.56	5.66
1270192729	35.5398	-10.6403	19.40	0.72	0.42	24.12	3.52
1270030069	35.4980	-16.7224	20.06	0.88	0.41	25.12	4.10
1271160178	35.7747	-17.8345	19.23	0.79	0.58	24.18	3.89
1271139350	36.0088	-17.6232	19.34	0.85	0.52	24.25	3.83
1270089592	35.2190	-20.9566	19.42	0.79	0.55	24.10	3.43
1270123244	35.4807	-24.1611	20.96	0.79	0.54	25.02	2.59
1272043486	35.7946	2.5360	18.27	0.42	0.60	24.38	6.65
1272668134	35.9757	3.7062	18.86	0.50	0.54	24.06	4.38
1273099111	35.6376	4.2482	19.71	0.85	0.75	24.02	2.91
1274376114	36.0962	-3.1832	18.07	0.64	0.76	24.86	9.08
1272532647	36.1994	-3.5176	19.53	0.64	0.61	24.64	4.19
1271312240	36.0086	-9.2258	19.60	0.71	0.34	24.87	4.50
1272203125	35.8157	-11.3161	19.98	0.54	0.29	24.69	3.50

1277781721	36.2582	-11.0534	22.43	0.63	0.63	24.98	1.29
1270799599	35.8611	-12.9558	18.23	0.43	0.26	24.57	7.37
1271572353	36.0780	-15.8902	21.14	0.54	0.55	25.55	3.03
1271525569	36.1539	-15.4046	19.63	0.88	0.56	24.33	3.48
1270876306	35.8691	-22.8197	21.22	0.85	0.29	25.31	2.63
1270889444	35.9778	-22.9862	18.59	0.92	0.52	24.23	5.36
1272574435	35.8767	4.6851	18.33	0.62	0.56	24.00	5.43
1275387398	36.5307	-6.0180	19.58	0.91	0.54	24.40	3.68
1273876188	35.9597	-13.4037	20.01	0.79	0.28	24.86	3.73
1275175746	35.8573	-15.0891	19.24	0.40	0.33	24.41	4.30
1275441860	36.3996	-18.3146	18.33	0.93	0.51	24.38	6.46
1275476060	36.4781	-18.7012	18.47	0.92	0.58	24.23	5.67
1275486875	36.5232	-18.8216	20.63	0.76	0.68	25.29	3.42
1274051208	35.8077	-21.5389	19.35	0.52	0.49	24.10	3.56
1274012383	35.8431	-21.0887	18.51	0.73	0.61	24.85	7.41
1274024184	35.8521	-21.2175	20.31	0.64	0.78	25.40	4.15
1274023738	35.9969	-21.2029	21.15	0.55	0.82	25.75	3.31
1274035653	36.0143	-21.3982	17.72	0.74	0.89	25.04	11.61
1275199881	36.0530	-25.3335	20.60	0.83	0.52	24.82	2.79
1275202268	36.2014	-25.3701	19.65	0.79	0.41	24.42	3.59
1274328591	35.8576	-26.1290	20.06	0.36	0.39	24.99	3.86
1274489402	36.0552	-26.4704	19.95	0.81	0.65	24.24	2.89
1273528063	35.7934	-27.6181	20.23	0.86	0.51	24.75	3.20
1273550049	36.1418	-27.8584	21.06	0.74	0.57	25.26	2.76
1273574697	36.1755	-28.1424	20.93	0.85	0.40	24.63	2.19
1267254105	35.6709	-28.7751	19.71	0.76	0.54	24.43	3.51
1274004476	35.7265	-29.5669	19.58	0.75	0.51	24.01	3.06
1277746458	36.6469	1.4304	21.04	0.76	0.66	25.22	2.74
1276625575	36.1444	-0.6158	18.12	0.85	0.60	24.01	6.00
1276658731	36.1925	-0.9284	19.55	0.56	0.77	24.98	4.86
1276663339	36.2916	-0.9720	19.71	0.66	0.78	25.22	5.03
1276602641	36.3253	-0.3870	19.34	0.91	0.65	24.41	4.12
1276613206	36.4494	-0.4861	20.22	0.69	0.39	25.23	4.01
1276603908	36.4545	-0.3930	19.64	0.53	0.35	24.63	3.98
1276646797	36.4827	-0.8017	20.01	0.68	0.61	24.71	3.48
1276627860	36.5494	-0.6510	17.83	0.75	0.80	24.04	6.96
1276963538	36.2337	-1.5137	20.21	0.59	0.75	25.65	4.89
1276970073	36.5611	-1.5743	20.90	0.83	0.44	24.91	2.53
1276954256	36.5739	-1.4196	19.50	0.60	0.36	24.86	4.71
1276527915	36.2789	-1.8747	20.79	0.61	0.52	26.59	5.76
1276531800	36.7383	-1.9219	20.06	0.89	0.90	25.61	5.14
1276015119	36.1603	-6.3695	20.07	0.78	0.47	25.01	3.88
1276043188	36.2469	-6.6689	20.55	0.79	0.54	24.95	3.02
1276015888	36.2510	-6.3727	19.41	0.73	0.53	24.03	3.35
1276041506	36.6699	-6.6575	19.91	0.76	0.64	24.77	3.75
1276098437	36.1773	-8.6922	20.10	0.45	0.68	24.62	3.19
1276113275	36.1837	-8.8225	19.45	0.93	0.53	24.13	3.43
1275129058	36.2212	-10.9672	19.33	0.89	0.66	24.37	4.06
1275128346	36.2714	-10.9520	19.30	0.77	0.51	24.13	3.69
1275316467	36.3029	-16.6219	18.55	0.54	0.48	24.06	5.03
1275622107	36.8084	-17.7792	19.02	0.83	0.48	24.37	4.69

1277499488	36.4234	-23.8714	19.89	0.91	0.51	24.64	3.55
1275065703	36.4547	-24.5177	19.84	0.66	0.77	24.38	3.23
1275048287	36.5594	-24.3137	20.98	0.60	0.73	25.91	3.86
1275579016	36.1586	-25.1635	19.52	0.70	0.51	24.47	3.89
1275536268	36.4548	-24.6892	21.09	0.49	0.57	26.77	5.44
1277046547	36.6644	2.5504	20.34	0.76	0.44	24.74	3.03
1278798751	36.4296	3.4346	20.33	0.67	0.11	24.83	3.17
1278808885	36.4410	3.3173	18.38	0.85	0.66	24.16	5.71
1278382090	36.4546	3.7284	20.20	0.92	0.33	25.13	3.87
1278811067	36.8059	3.2840	17.62	0.95	0.66	24.52	9.57
1277171581	36.2081	-2.8786	20.53	0.62	0.34	25.32	3.62
1277154342	36.5676	-2.7059	18.95	0.65	0.55	24.69	5.58
1277257426	36.3590	-3.4062	19.59	0.90	0.39	24.35	3.57
1278900806	36.9561	-4.0435	21.64	0.77	0.19	25.34	2.20
1278110165	36.3446	-6.8255	20.49	0.86	0.45	24.90	3.03
1278264826	36.5535	-7.0950	20.26	0.80	0.62	24.93	3.43
1278270752	36.6044	-7.1617	19.39	0.71	0.70	24.30	3.82
1277557649	36.3217	-9.5039	19.14	0.92	0.60	25.83	8.70
1277793878	36.4182	-11.1895	19.17	0.86	0.42	24.01	3.70
1277791368	36.8880	-11.1687	18.48	0.53	0.51	24.38	6.06
1275744719	36.4386	-13.9329	19.37	0.68	0.62	24.66	4.57
1276873624	36.8115	-15.6713	20.17	0.66	0.38	24.73	3.26
1276849107	36.8252	-15.3834	19.51	0.81	0.22	24.20	3.46
1276846973	36.9419	-15.3411	19.11	0.92	0.42	24.03	3.85
1278356991	36.5239	-19.5838	19.56	0.92	0.40	24.04	3.14
1278353201	36.7402	-19.5411	19.25	0.63	0.46	24.24	3.97
1276433362	36.3976	-20.2330	19.65	0.62	0.41	24.24	3.30
1275892264	36.5958	-20.0038	17.57	0.75	0.62	24.61	10.20
1275884340	36.6577	-19.8966	18.45	0.90	0.48	24.31	5.91
1275887001	36.8123	-19.9284	19.71	0.80	0.60	24.46	3.56
1277648159	36.2798	-23.1446	19.23	0.91	0.45	24.10	3.75
1277640258	36.5037	-23.0864	17.96	0.57	0.40	24.47	7.98
1277631877	36.5952	-22.9592	19.76	0.85	0.30	24.28	3.21
1277615934	36.6885	-22.7733	20.44	0.86	0.69	25.27	3.69
1277603598	36.9290	-22.6195	20.29	0.76	0.43	24.74	3.10
1277607257	36.9800	-22.6765	19.15	0.71	0.43	24.46	4.60
1275659046	36.9803	4.8311	19.73	0.90	0.73	24.51	3.60
1279198126	36.4742	-7.6938	20.87	0.85	0.81	25.15	2.87
1279209061	36.6928	-7.8190	21.43	0.79	0.47	25.42	2.50
1279401861	36.5626	-10.0067	18.76	0.51	0.41	24.00	4.47
1280500803	37.2880	-12.0224	19.38	0.57	0.42	24.51	4.24
1280414267	36.7060	-14.7765	19.32	0.63	0.51	24.14	3.67
1280426872	37.1789	-14.9481	18.68	0.65	0.52	24.45	5.69
1280412384	37.2658	-14.7638	18.49	0.94	0.50	24.11	5.30
1279042937	37.0260	-16.8572	20.05	0.80	0.75	24.29	2.82
1280194976	36.6202	-21.5029	19.69	0.79	0.35	24.71	4.03
1280185448	36.7995	-21.3984	18.96	0.77	0.58	24.57	5.29
1278577532	36.5716	-22.4081	19.39	0.54	0.38	24.01	3.35
1280638311	36.8088	-26.5417	19.89	0.64	0.32	24.52	3.37
1280593592	36.8273	-26.0697	19.58	0.79	0.58	24.05	3.13
1280618438	37.1603	-26.3479	18.74	0.62	0.38	24.48	5.60

1280598696	37.2260	-26.1252	20.15	0.86	0.62	24.63	3.13
1280205047	36.8653	-27.1275	19.94	0.68	0.29	24.77	3.70
1279912437	37.0990	-26.7796	20.50	0.87	0.48	24.79	2.88
1279764029	37.0818	-28.7921	19.83	0.89	0.34	24.08	2.82
1280389511	36.5159	-29.4897	21.25	0.75	0.65	26.15	3.81
1280383682	37.1424	-29.4323	20.53	0.73	0.47	24.77	2.81
1281756611	37.2438	0.1571	20.50	0.56	0.42	24.89	3.02
1282610049	36.9137	0.9280	18.79	0.80	0.39	24.47	5.44
1282641408	37.2854	0.6605	21.98	0.81	0.90	25.97	2.50
1283529378	37.0754	1.7066	20.56	0.80	0.53	24.62	2.60
1283549237	37.1100	1.4985	19.23	0.82	0.59	24.03	3.65
1283533698	37.1453	1.6664	19.18	0.69	0.48	24.12	3.88
1283554076	37.2804	1.4546	20.93	0.78	0.38	25.15	2.78
1283554637	37.3878	1.4440	20.46	0.81	0.47	25.10	3.38
1283577157	37.4502	1.2118	20.35	0.40	0.85	25.60	4.48
1306300862	36.9955	2.9105	19.99	0.91	0.49	24.06	2.59
1306306377	37.0105	2.8527	19.60	0.69	0.59	24.86	4.48
1306307089	37.1688	2.8487	20.84	0.78	0.47	25.14	2.89
1306280345	37.2048	3.1284	20.34	0.71	0.41	24.80	3.10
1281692510	37.1540	-0.6453	19.70	0.77	0.81	24.20	3.18
1281698239	37.2031	-0.7043	18.84	0.71	0.70	24.89	6.47
1282021850	37.0170	-1.4553	20.35	0.81	0.35	24.45	2.63
1282037943	37.1144	-1.6417	19.49	0.77	0.69	25.40	6.07
1281996852	37.1948	-1.2033	19.12	0.97	0.84	25.36	7.06
1282883829	36.9356	-2.6657	19.08	0.67	0.38	24.39	4.61
1282233605	36.9703	-6.4164	17.99	0.68	0.37	24.66	8.59
1282235443	37.3212	-6.4160	19.62	0.62	0.36	24.50	3.78
1280975965	36.8274	-8.5537	20.00	0.51	0.43	24.27	2.86
1281115888	36.9316	-8.6540	20.69	0.96	0.59	25.18	3.15
1281074130	37.0500	-10.4031	19.22	0.72	0.38	24.14	3.84
1281095050	37.0949	-10.6950	17.60	0.76	0.61	24.08	7.88
1281109624	37.3209	-10.8103	19.89	0.84	1.07	25.52	5.33
1281377047	36.8397	-20.7467	20.32	0.84	0.36	24.66	2.94
1281395443	36.9259	-20.9633	19.25	0.58	0.54	24.14	3.78
1281377404	36.9380	-20.7488	21.08	0.74	0.43	24.95	2.36
1281394675	36.9527	-20.9550	18.80	0.76	0.60	24.01	4.38
1281374084	37.0385	-20.7112	20.42	0.73	0.49	24.96	3.22
1283065667	37.1542	-24.5697	19.54	0.58	0.53	24.43	3.80
1283010086	37.1578	-23.9855	19.82	0.80	0.42	24.55	3.53
1283018897	37.2483	-24.0865	18.52	0.38	0.41	24.61	6.59
1283029973	37.3320	-24.1953	20.22	0.94	0.54	24.58	2.96
1284597390	37.5095	3.6976	19.90	0.93	0.49	24.23	2.93
1284548910	37.2120	-4.3505	20.71	0.82	0.45	25.21	3.17
1298936738	37.1111	-11.0748	19.46	0.79	0.59	24.25	3.63
1298950928	37.3724	-11.2396	18.91	0.64	0.54	24.54	5.32
1298980800	37.3895	-11.5611	21.03	0.46	0.95	25.98	3.89
1282389575	37.1144	-14.4709	19.06	0.70	0.42	24.30	4.47
1282391942	37.5673	-14.5017	19.73	0.75	0.30	24.52	3.63
1283864324	37.0268	-15.4516	19.78	0.89	0.55	24.70	3.85
1283884568	37.2204	-15.6859	19.58	0.88	0.58	24.33	3.56
1282719087	37.2484	-20.1560	20.38	0.95	0.25	24.50	2.65

1283370412	37.2864	-23.6994	20.99	0.46	0.47	25.81	3.68
1283330355	37.4361	-23.2828	17.73	0.80	0.56	24.49	8.98
1281976220	37.7683	4.7346	18.87	0.72	0.58	24.32	4.92
1284743566	37.2412	-10.0450	20.55	0.60	0.41	25.18	3.37
1284734715	37.6963	-9.9626	18.14	0.84	0.49	24.29	6.76
1286093183	37.5270	-12.3890	19.46	0.71	0.48	24.16	3.48
1285618425	37.5368	-13.7923	20.19	0.70	0.57	25.05	3.75
1285580964	37.6461	-13.3568	21.18	0.63	0.57	24.99	2.30
1285569714	37.9830	-13.2210	21.14	0.43	0.15	25.25	2.66
1284389461	37.6113	-17.0278	20.91	0.50	0.31	24.73	2.32
1286593388	37.7186	-18.6281	18.32	0.87	0.63	24.20	5.99
1619362945	37.2447	-19.2735	17.75	0.47	0.54	24.07	7.32
1619376101	37.6718	-19.4348	18.15	0.54	0.59	24.14	6.28
1619379404	37.6759	-19.4727	20.07	0.80	0.64	24.91	3.71
1284691751	37.3150	-22.3378	20.00	0.61	0.04	24.17	2.73
1284698968	37.4491	-22.4346	20.65	0.63	0.61	25.42	3.60
1284667349	37.7816	-22.0602	19.37	0.53	0.48	24.27	3.82
1287136266	37.8302	-26.6006	19.94	0.90	0.39	24.08	2.68
1286396711	37.7592	-27.8230	19.34	0.84	0.43	24.09	3.55
1286373516	38.0301	-27.5636	20.63	0.74	0.19	25.18	3.23
1286212370	37.4967	-28.8565	20.11	0.83	0.39	24.69	3.30
1286124947	37.7095	-29.1484	20.31	0.75	0.29	24.37	2.59
1287759268	38.1326	0.0567	20.25	0.95	0.57	24.45	2.76
1288880289	37.7767	0.4907	20.41	0.62	0.49	24.77	2.98
1287988456	37.6623	1.5226	19.74	0.54	0.85	24.83	4.15
1288395623	37.8130	1.3509	19.76	0.66	0.48	24.33	3.29
1287997429	38.0009	1.4341	20.75	0.63	0.83	25.49	3.55
1288407566	38.0723	1.2212	20.61	0.69	0.86	25.49	3.76
1288068584	37.5412	2.0230	19.97	0.62	0.29	24.45	3.14
1288073194	37.6152	1.9725	21.25	0.84	0.84	26.15	3.80
1288061046	37.8077	2.0947	19.98	0.65	0.28	24.19	2.78
1287173355	37.8668	-0.5595	20.47	0.76	0.44	24.90	3.07
1287217969	37.8872	-1.0504	19.44	0.93	0.56	24.37	3.87
1287174947	37.9053	-0.5753	20.24	0.85	0.41	24.21	2.48
1287184423	38.0444	-0.6767	19.22	0.75	0.29	24.12	3.81
1287174593	38.0972	-0.5699	19.87	0.66	0.44	24.61	3.53
1286804166	37.9094	-1.6671	19.11	0.68	0.52	24.12	4.00
1287637707	37.5274	-1.9669	19.56	0.75	0.50	24.21	3.40
1286813986	37.6911	-1.7680	20.37	0.60	0.22	24.90	3.21
1287523989	37.9767	-2.7902	19.29	0.81	0.85	24.63	4.67
1289460913	37.6388	-9.4045	19.35	0.59	0.43	24.20	3.72
1286876726	37.6744	-10.9142	17.98	0.91	0.38	24.70	8.79
1286888191	37.8717	-11.0254	20.06	0.70	0.49	24.28	2.78
1286864607	38.0337	-10.7552	20.79	0.72	0.48	25.19	3.03
1287801161	37.6871	-17.5149	19.51	0.69	0.45	24.68	4.31
1287813312	37.7144	-17.6471	20.60	0.58	0.75	26.33	5.59
1287816398	37.8545	-17.6869	20.32	0.52	0.99	25.66	4.65
1287818127	37.8783	-17.6971	20.98	0.62	0.58	25.59	3.34
1287805787	37.9235	-17.5659	19.82	0.66	0.28	24.42	3.32
1287830979	38.3453	-17.8447	19.57	0.79	0.57	24.21	3.38
1286920394	37.5358	-20.6623	21.08	0.74	0.55	25.59	3.18

1286936299	37.5745	-20.8370	20.10	0.77	0.41	24.44	2.94
1286910904	37.9062	-20.5576	19.73	0.83	0.83	24.20	3.12
1288332251	37.7110	-23.9600	18.82	0.89	0.53	24.48	5.40
1289045174	37.8228	-25.0180	19.38	0.85	0.52	24.66	4.53
1286625280	37.4981	-25.4029	19.58	0.73	0.50	24.31	3.52
1286682043	37.6745	-26.0117	21.48	0.87	0.52	25.30	2.32
1286630365	37.8326	-25.4574	19.80	0.79	0.29	24.01	2.77
1286678521	38.0551	-25.9750	20.43	0.97	0.50	24.82	3.01
1286670343	38.1345	-25.8853	20.88	0.73	0.26	25.06	2.74
1287031885	37.8721	-29.7503	19.47	0.69	0.66	24.47	4.00
1287045965	37.9719	-29.8905	19.85	0.72	0.51	24.72	3.75
1287027504	38.0909	-29.6971	20.87	0.78	0.84	25.73	3.74
1290014523	37.7157	3.3525	18.86	0.60	0.66	24.52	5.40
1289972254	37.8357	3.8212	18.94	0.68	0.38	24.16	4.41
1289972376	38.2656	3.8317	19.32	0.87	0.51	24.14	3.67
1287916315	37.7861	-3.4637	20.69	0.64	0.77	25.28	3.30
1287912661	38.1118	-3.4231	20.38	0.34	0.75	25.43	4.08
1290749141	38.1747	-9.7973	21.86	0.96	0.71	26.31	3.11
1290762881	38.2681	-9.9617	19.74	0.75	0.42	24.31	3.28
1288298838	37.6655	-14.3125	18.82	0.92	0.56	24.03	4.40
1288284100	37.8696	-14.1335	19.73	0.54	0.47	24.67	3.87
1289131238	37.9224	-15.4435	20.18	0.66	0.90	24.92	3.55
1289160912	37.9429	-15.7850	19.63	0.63	0.42	24.47	3.70
1289123262	38.3523	-15.3661	18.37	0.34	0.25	24.51	6.74
1289174697	37.9903	-19.8869	20.62	0.87	0.92	25.61	3.97
1289318347	37.7908	-22.5025	19.45	0.64	0.42	24.42	3.93
1289328970	37.8312	-22.6083	21.22	0.40	0.34	26.40	4.35
1289355835	38.3846	-22.9018	20.45	0.77	0.57	25.03	3.29
1289094240	38.2339	4.9963	19.36	0.42	0.30	24.30	3.89
1291373194	38.2938	-5.7810	20.68	0.64	0.49	24.76	2.62
1291780120	38.4770	-5.9501	20.72	0.80	0.42	24.92	2.76
1291077906	38.3665	-11.9223	20.78	0.50	0.40	24.95	2.73
1291083697	38.3686	-11.9877	20.26	0.96	0.61	24.49	2.79
1291103974	38.6168	-12.2447	18.42	0.66	0.43	24.22	5.77
1291053628	38.2167	-13.8144	19.00	0.88	0.67	24.01	4.01
1290461445	37.9050	-17.3745	20.40	0.85	0.56	25.20	3.63
1290416106	38.0476	-16.8544	20.61	0.74	0.52	25.24	3.36
1291837135	38.2717	-18.7464	18.99	0.76	0.68	24.23	4.45
1291716206	38.6404	-21.0681	20.29	0.61	0.47	25.73	4.87
1291154762	38.1045	-22.1741	19.45	0.69	0.60	24.62	4.31
1293424092	38.3208	1.2266	21.61	0.86	0.76	26.04	3.08
1293423439	38.5336	1.2317	20.68	0.83	0.61	24.57	2.40
1293390360	38.5369	1.5846	19.85	0.80	0.60	24.63	3.60
1294110567	38.8807	2.3820	20.81	0.87	0.83	25.22	3.04
1295044151	39.0075	3.2350	20.18	0.73	0.43	24.77	3.32
1294354794	38.5197	3.6552	19.51	0.80	0.42	24.44	3.86
1295038906	38.5785	3.2944	19.73	0.90	0.58	24.40	3.41
1292014133	38.5310	-0.7353	19.84	0.92	0.46	24.73	3.79
1292020538	38.5459	-0.7998	20.79	0.59	0.11	25.15	2.97
1292016294	38.6154	-0.7605	19.80	0.81	0.46	24.70	3.81
1292010361	38.6475	-0.6968	19.56	0.94	0.46	24.06	3.16

1292032457	38.7155	-0.9427	19.25	0.83	0.46	24.33	4.12
1292020161	38.8304	-0.8146	19.35	0.72	0.80	24.44	4.16
1293023734	38.3866	-1.7050	19.50	0.89	0.57	24.20	3.48
1292758832	38.3155	-6.5950	19.65	0.73	0.65	24.53	3.77
1292742312	38.5462	-6.4184	19.37	0.63	0.15	24.30	3.88
1294883252	38.4920	-7.0170	20.94	0.90	0.63	25.82	3.78
1294664743	38.5704	-8.9949	19.47	0.58	0.78	25.89	7.65
1294704588	38.9543	-9.4704	19.13	0.60	0.75	24.24	4.20
1294661603	38.9608	-8.9548	19.60	0.72	0.42	24.42	3.68
1292500022	38.6511	-10.9843	20.21	0.78	0.43	25.27	4.11
1294639183	38.5838	-12.9885	19.29	0.64	0.48	24.03	3.54
1295058727	38.7863	-14.0474	20.08	0.97	0.80	25.12	4.07
1295062940	38.9430	-14.1147	18.50	0.84	0.53	24.37	5.96
1291889925	38.4600	-16.4699	19.46	0.78	0.55	24.04	3.28
1291875514	38.8338	-16.3003	20.58	0.64	0.47	24.95	3.00
1293996375	38.4309	-17.7881	20.49	0.50	0.75	25.70	4.40
1294971950	38.8128	-24.4037	20.17	0.43	0.61	24.91	3.53
1294935211	38.9489	-24.0251	19.88	0.80	0.55	24.64	3.57
1294727374	38.7792	-24.7020	19.77	0.62	0.42	24.96	4.36
1294782429	39.0079	-25.2536	21.40	0.80	0.95	26.03	3.37
1292667867	38.3428	-26.3993	18.72	0.77	0.59	24.43	5.53
1291526412	38.7644	-27.5256	19.43	0.98	0.20	24.08	3.39
1295991569	38.7864	4.0152	19.67	0.83	0.71	24.29	3.34
1295959284	39.0384	4.3721	20.43	0.78	0.67	24.68	2.82
1296801441	39.1032	-4.8048	19.94	0.95	0.65	24.37	3.07
1296284395	38.7253	-7.7689	20.09	0.71	0.48	24.78	3.46
1295787080	38.9390	-10.1674	19.70	0.77	0.54	24.18	3.15
1295196160	38.8196	-11.6386	20.64	0.90	0.41	24.98	2.94
1295701336	38.4950	-15.6500	19.35	0.80	0.50	24.26	3.82
1295689011	38.8793	-15.5107	19.77	0.80	0.49	24.16	3.02
1295874397	39.0552	-16.8466	20.27	0.68	0.43	24.96	3.47
1295516808	38.5779	-20.1901	20.52	0.71	0.63	25.18	3.42
1295480418	39.0993	-19.7813	19.45	0.84	0.58	24.56	4.20
1295813604	39.2900	-22.5964	18.74	0.95	0.62	24.42	5.47
1313990026	39.5203	-0.2847	20.59	0.80	0.53	24.70	2.65
1314015966	39.5259	0.8707	21.01	0.60	0.51	25.28	2.84
1313755681	38.9773	-0.3546	20.20	0.75	0.39	25.32	4.23
1313789563	39.0564	-0.7012	20.06	0.83	0.60	24.56	3.17
1313805822	39.0689	-0.8726	19.76	0.55	0.57	24.69	3.86
1296913709	39.1561	-5.3650	21.09	0.79	0.27	24.86	2.27
1297534421	39.0430	-8.3067	19.94	0.77	0.44	25.18	4.45
1297551271	39.1447	-8.5052	19.94	0.80	0.55	24.18	2.81
1296905555	39.0544	-12.4440	19.61	0.65	0.57	24.61	3.99
1296880679	39.2602	-12.1476	17.81	0.73	0.48	24.30	7.92
1296884273	39.4176	-12.1708	20.69	0.69	0.46	24.99	2.89
1297093359	38.7553	-13.6058	19.63	0.71	0.83	24.90	4.51
1297234496	38.9944	-13.7310	20.89	0.73	0.89	25.30	3.05
1297234155	39.0881	-13.7386	18.30	0.82	0.88	24.14	5.85
1314300251	39.4993	-18.6259	20.51	0.78	0.49	25.14	3.37
1296027543	38.8702	-19.2664	20.92	0.55	0.45	25.15	2.81
1296031084	38.8741	-19.3074	21.22	0.76	0.31	24.94	2.21

1296024229	39.3954	-19.2265	20.01	0.95	0.56	24.55	3.22
1297666795	39.2692	-21.0702	18.29	0.72	0.53	24.03	5.61
1316023885	38.9152	1.6196	20.79	0.96	0.38	24.92	2.68
1316017513	38.9242	1.6888	20.13	0.90	0.59	24.57	3.09
1316057137	39.1785	1.2520	19.44	0.81	0.55	24.12	3.43
1316008920	39.4423	1.7694	20.03	0.88	0.89	25.07	4.08
1316895416	39.2048	2.0917	20.64	0.78	0.83	25.63	3.98
1316903720	39.2113	2.0130	22.77	0.36	0.79	25.91	1.70
1316915193	39.3118	1.8806	19.35	0.79	0.86	24.72	4.73
1316902558	39.4640	2.0168	20.45	0.72	0.74	25.03	3.29
1316867932	39.4653	2.3802	21.83	0.78	0.73	26.86	4.04
1316891899	39.5480	2.1305	21.03	0.99	0.79	25.32	2.87
1316866088	39.5760	2.3858	20.39	0.81	0.83	25.91	5.08
1316918764	39.6235	1.8539	21.12	0.40	0.66	25.81	3.46
1317127049	39.7414	3.8960	19.75	0.71	0.30	24.52	3.60
1317146462	39.7584	3.7016	19.93	0.66	0.42	24.74	3.64
1317133448	39.7803	3.8414	20.69	0.76	0.34	24.95	2.85
1314616651	38.9077	-1.6618	20.74	0.65	0.73	25.73	3.98
1314585195	39.4967	-1.3444	19.55	0.57	0.76	24.92	4.72
1314561799	39.5916	-1.0704	19.71	0.58	0.26	24.66	3.91
1314581662	39.5916	-1.3243	18.89	0.62	0.88	25.29	7.60
1314853896	39.0218	-1.8552	20.00	0.55	0.42	24.21	2.77
1314847543	39.4268	-1.7865	19.54	0.84	0.87	24.52	3.94
1315475224	39.0656	-6.5129	20.53	0.77	0.56	24.82	2.88
1297756223	39.3875	-6.0504	18.97	0.83	0.50	24.63	5.40
1316131656	39.3637	-7.4409	17.73	0.82	0.62	24.51	9.05
1316125707	39.4769	-7.3551	21.00	0.76	0.61	25.52	3.20
1314995708	39.4278	-9.1273	19.34	0.52	0.72	24.36	4.03
1315003681	39.7174	-9.2156	19.79	0.42	0.16	24.43	3.38
1314961157	39.1045	-13.0211	22.03	0.85	0.53	25.60	2.06
1314958995	39.3125	-13.0035	19.16	0.73	0.41	24.07	3.84
1315117069	39.1833	-13.9902	19.78	0.76	0.44	24.63	3.72
1314334076	39.1898	-20.4466	20.41	0.96	0.43	24.54	2.68
1314356719	39.7099	-20.6969	21.52	0.55	0.37	25.62	2.64
1315793857	39.3014	-24.3558	19.83	0.88	0.73	24.49	3.40
1315913677	39.4881	-24.7342	18.97	0.76	0.40	24.40	4.86
1315646174	39.5092	-25.6423	20.84	0.78	0.54	24.95	2.65
1314810979	39.1762	-26.3868	19.83	0.66	0.66	24.65	3.67
1314815263	39.3092	-26.4415	19.66	0.91	0.51	24.04	3.00
1314815626	39.3540	-26.4398	20.37	0.73	0.39	24.90	3.23
1314546511	39.3142	-27.3163	20.14	0.82	0.45	24.43	2.87
1314550876	39.6413	-27.3741	19.25	0.87	0.63	24.29	4.07
1315208686	39.0876	-28.8368	18.28	0.96	0.45	24.02	5.61
1315097381	39.3852	-29.4981	19.21	0.86	0.38	24.24	4.06
1315091262	39.6319	-29.4291	19.76	0.78	0.40	24.17	3.04
1315857029	39.5075	-29.8774	22.24	0.68	0.27	25.84	2.10
1318187472	39.4013	-4.6298	19.94	0.91	0.41	24.33	3.01
1318225020	39.9454	-5.0742	19.67	0.61	0.60	24.24	3.26
1317103358	39.6358	-7.6346	20.47	0.72	0.84	24.97	3.18
1317095222	39.8275	-7.5358	20.70	0.70	0.66	26.91	6.97
1323733984	40.0341	-7.9473	19.18	0.77	0.75	25.33	6.77

1315996706	39.8381	-11.6784	18.29	0.71	0.53	24.00	5.53
1316410791	39.2402	-15.4976	19.85	0.86	0.34	24.29	3.07
1316432831	39.2449	-15.7294	19.15	0.46	0.50	24.18	4.05
1316430378	39.2878	-15.7000	20.12	0.36	0.20	24.70	3.28
1316424545	39.4457	-15.6438	19.37	0.56	0.60	24.32	3.89
1316455652	39.5086	-15.9786	19.90	0.94	0.49	24.56	3.42
1316434076	39.8491	-15.7521	18.36	0.63	0.53	24.00	5.37
1315303425	39.4218	-19.6535	19.52	0.75	0.64	24.10	3.28
1315346867	39.5319	-20.1462	18.79	0.83	0.84	24.09	4.59
1315356384	39.6834	-20.2540	19.85	0.91	0.70	24.57	3.52
1316307024	39.7087	-22.9593	19.91	0.70	0.06	24.76	3.73
1317029359	39.9645	-23.2590	18.21	0.61	0.42	24.24	6.41
1319181197	39.8155	-0.1447	19.71	0.90	0.53	24.37	3.41
1319149150	39.8282	0.1938	20.08	0.97	0.45	25.04	3.91
1320000666	40.0047	0.9085	21.24	0.79	0.52	25.17	2.44
1320409011	39.8519	1.5368	19.39	0.73	0.90	24.42	4.04
1320420863	39.9621	1.4192	19.62	0.84	0.58	24.09	3.12
1320414765	39.9787	1.4806	19.86	0.63	0.84	24.71	3.74
1320394802	40.1252	1.6988	20.62	0.73	0.63	24.85	2.79
1320425882	40.2066	1.3633	18.92	0.92	0.65	24.11	4.36
1319622422	39.6483	-0.6336	20.98	0.42	0.76	26.76	5.72
1319648406	40.0376	-0.9120	18.84	0.96	0.55	24.50	5.41
1318572682	39.7996	-5.7177	20.90	0.75	0.35	25.03	2.67
1318567324	39.8611	-5.6662	19.66	0.92	0.59	24.52	3.74
1320192744	39.6951	-6.2367	19.59	0.74	1.01	25.32	5.60
1320213634	40.0257	-6.4475	20.01	0.78	0.61	24.60	3.31
1320179089	40.0465	-6.0746	20.40	0.75	0.58	24.99	3.29
1320200487	40.1345	-6.3075	21.22	0.70	0.60	25.35	2.67
1320210919	40.1870	-6.4187	19.66	0.89	0.46	24.27	3.34
1320231787	40.2865	-6.6304	20.69	0.82	0.31	24.59	2.40
1317368855	39.7587	-8.6108	21.03	0.89	0.31	25.16	2.66
1317370280	39.9130	-8.6296	19.81	0.95	0.39	24.61	3.64
1317335020	39.9139	-8.2285	19.68	0.65	0.87	25.11	4.86
1320133284	39.6356	-10.5761	18.66	0.92	0.45	24.60	6.16
1320166685	39.7015	-10.9563	19.96	0.75	0.66	24.91	3.91
1320125544	39.8168	-10.4794	19.82	0.92	0.59	24.51	3.47
1316350093	39.6081	-13.3795	19.64	0.82	0.15	25.03	4.79
1316362857	39.6147	-13.5322	19.37	0.60	0.50	24.40	4.05
1316077790	40.0756	-13.2349	21.21	0.75	0.56	25.04	2.33
1316383044	40.0963	-13.7592	21.46	0.43	0.57	26.20	3.54
1319923535	39.7292	-18.6615	18.76	0.68	0.44	24.05	4.55
1319917296	40.1312	-18.5786	20.10	0.86	0.64	24.49	3.02
1316171714	39.8320	-19.2907	19.09	0.62	0.47	24.65	5.16
1320282952	39.9069	-21.3848	18.67	0.59	0.53	24.56	6.02
1321931995	39.7933	1.9138	19.37	0.76	0.91	25.39	6.36
1322196558	39.8554	1.8788	19.58	0.52	0.53	24.37	3.63
1321912198	39.8663	2.1484	20.20	0.73	0.85	25.55	4.69
1326334385	40.3812	2.0535	19.58	0.96	0.68	24.63	4.08
1319972940	40.1820	-2.0839	18.67	0.81	0.40	24.01	4.66
1322114932	40.4331	-6.8355	19.04	0.82	0.51	24.42	4.75
1321681987	39.8960	-9.4477	20.11	0.95	0.37	24.42	2.90

1321686006	40.1502	-9.4976	21.18	0.48	0.62	26.13	3.90
1320864044	40.4277	-9.0278	21.58	0.63	0.79	26.08	3.18
1321689175	40.4508	-9.5318	21.48	0.77	0.64	26.24	3.56
1321324913	40.4138	-14.3712	21.37	0.82	0.64	25.12	2.24
1321343640	40.4580	-14.6008	20.67	0.81	0.49	25.78	4.20
1320548349	40.2491	-16.5534	19.62	0.41	0.49	24.82	4.36
1322618817	40.1874	-17.6999	20.35	0.85	0.60	24.99	3.39
1321039386	39.9211	-20.5242	20.35	0.86	0.31	24.30	2.46
1321030133	40.2245	-20.4174	19.74	0.82	1.01	24.97	4.43
1321051965	40.2300	-20.6666	19.71	0.96	0.55	24.23	3.20
1321032700	40.3388	-20.4732	17.50	0.64	0.38	24.43	9.74
1322443115	40.2780	-26.0041	18.54	0.62	0.20	24.76	7.00
1322434066	40.3095	-25.9122	20.38	0.91	0.60	25.04	3.41
1322434691	40.3306	-25.9157	19.64	0.60	0.49	24.27	3.37
1322052489	40.4443	-26.1139	21.14	0.84	0.36	25.29	2.70
1320807341	40.2546	-26.9994	20.76	0.60	0.57	25.14	2.99
1321347259	39.7745	-27.4733	20.96	0.90	0.82	25.74	3.61
1321376359	39.9685	-27.7850	20.09	0.77	0.69	24.59	3.16
1322853381	39.9411	-29.5651	19.40	0.56	0.78	24.90	5.02
1321869751	39.9588	4.0057	20.03	0.92	0.66	24.79	3.57
1321863996	40.2146	4.0681	18.94	0.87	0.66	24.29	4.69
1320738897	40.5442	5.2015	19.53	0.73	0.34	24.64	4.18
1323189524	40.1962	-4.3970	21.76	0.41	0.31	25.77	2.54
1324237428	40.3236	-5.2661	19.52	0.83	0.49	24.15	3.37
1324210515	40.6732	-4.9960	17.84	0.55	0.44	24.23	7.56
1323737201	40.0820	-7.9847	18.99	0.83	0.78	24.73	5.60
1323705725	40.1892	-7.6465	21.08	0.72	0.47	25.09	2.52
1323691056	40.3132	-7.4932	20.34	0.62	0.29	26.83	7.90
1323726490	40.3220	-7.8987	16.84	0.90	0.77	24.56	13.98
1323735540	40.5851	-7.9561	20.60	0.83	0.81	25.36	3.58
1323715119	40.6963	-7.7721	18.99	0.65	0.75	24.98	6.30
1323610307	40.0623	-9.7764	20.16	0.65	0.47	25.01	3.72
1323609232	40.1126	-9.7607	19.73	0.81	0.78	24.34	3.33
1323599682	40.6456	-9.6557	19.53	0.91	0.72	24.46	3.85
1322569049	39.9943	-11.1783	18.70	0.96	0.91	24.32	5.31
1322571026	40.0374	-11.2003	19.31	0.82	0.82	24.47	4.28
1322561649	40.1720	-11.0828	20.35	0.64	0.96	26.67	7.34
1322753437	40.3074	-15.8583	18.81	0.54	0.30	25.11	7.24
1322734669	40.4399	-15.6173	19.21	0.59	0.55	24.59	4.75
1322717450	40.6864	-15.4189	21.15	0.72	0.48	25.14	2.51
1323213817	40.4933	-16.7759	20.52	0.76	0.35	25.05	3.20
1323223850	40.6800	-16.9064	20.09	0.79	0.30	24.49	3.03
1322830396	40.2715	-20.3187	19.75	0.81	0.51	24.64	3.79
1324067598	40.1182	-23.0409	19.68	0.54	0.40	24.23	3.24
1324272272	40.1011	-23.4894	18.04	0.89	0.41	24.11	6.54
1323084829	40.2104	-29.7394	18.15	0.66	0.76	24.03	5.98
1325751155	40.8942	0.1200	21.29	0.90	0.70	25.70	3.03
1325742598	40.9116	0.1899	19.00	0.52	0.66	24.11	4.20
1325718137	40.7703	0.4436	23.00	0.93	0.71	24.91	0.96
1325966829	40.6574	1.7493	20.05	0.91	0.45	24.75	3.48
1326003949	40.7416	1.3574	19.39	0.83	0.61	24.15	3.59

1326019855	40.8880	1.1916	19.59	0.72	0.38	24.81	4.40
1325986010	40.9490	1.5380	20.34	0.51	0.64	24.84	3.17
1326308170	40.5475	2.3450	20.76	0.92	0.80	25.13	2.98
1326336954	40.6980	2.0276	19.15	0.78	0.48	24.08	3.86
1326297707	40.9494	2.4455	19.34	0.89	0.59	24.06	3.51
1325876489	40.7471	-0.8199	21.75	0.64	0.40	25.48	2.22
1325868320	40.8606	-0.7482	20.26	0.93	0.62	24.76	3.17
1325502244	40.8851	-1.1437	17.24	0.82	0.42	24.68	12.27
1326891639	41.0465	-1.9493	19.42	0.66	0.45	24.14	3.51
1326523545	40.4870	-6.4565	19.08	0.82	0.63	24.75	5.43
1326492660	40.6833	-6.1172	21.22	0.78	0.74	25.95	3.52
1324908211	40.3135	-8.6230	20.02	0.92	0.60	24.30	2.87
1324883211	40.3392	-8.3449	21.02	0.96	0.60	25.12	2.64
1324893954	40.3711	-8.4718	19.90	0.70	0.61	24.87	3.94
1324878971	40.3868	-8.2958	20.49	0.81	0.81	25.44	3.90
1324921689	40.4475	-8.7854	19.00	0.75	0.81	25.05	6.47
1331094042	40.9772	-8.7427	20.82	0.67	0.43	25.34	3.19
1325639677	40.4897	-10.3615	19.77	0.88	0.38	24.92	4.27
1325023749	40.5288	-12.3545	20.83	0.94	0.43	24.21	1.89
1324976743	40.5989	-11.8120	20.29	0.69	0.45	24.52	2.80
1324327556	40.5296	-13.3440	19.55	0.91	0.58	24.38	3.68
1325485556	40.6554	-15.2475	19.24	0.67	0.62	24.17	3.86
1326186859	40.4170	-18.8959	19.22	0.54	0.27	24.18	3.91
1326149551	40.8255	-18.4416	19.85	0.49	0.42	25.48	5.34
1326164832	40.9190	-18.6478	18.80	0.70	0.68	24.19	4.78
1323764695	40.3193	-18.9943	20.96	0.82	0.90	25.69	3.53
1323783269	40.4582	-19.2327	20.15	0.87	0.69	24.88	3.52
1323796724	40.5605	-19.3998	21.19	0.67	0.66	25.40	2.77
1326674158	40.4014	-21.6359	19.95	0.65	0.46	24.30	2.96
1326659097	40.7675	-21.4821	20.97	0.86	0.47	25.59	3.36
1326633697	40.8135	-21.1961	20.50	0.59	0.41	24.42	2.43
1326675053	40.9653	-21.6441	20.27	0.72	0.64	24.71	3.08
1326808530	40.5583	-3.0630	19.76	0.81	0.49	24.28	3.19
1326796570	40.8477	-2.9402	20.09	0.83	0.72	24.33	2.80
1327746725	40.7383	-3.6191	20.26	0.87	0.83	25.27	4.00
1328650532	40.8482	-4.5485	20.57	0.92	0.55	24.54	2.49
1328614569	40.8979	-4.1638	20.15	0.93	0.79	24.39	2.82
1328630137	41.3187	-4.3372	20.53	0.62	0.59	25.08	3.24
1327153183	40.6585	-7.3382	16.40	0.90	0.45	24.45	16.31
1326470573	40.9302	-6.9218	19.98	0.42	0.74	26.59	8.38
1327141773	41.0548	-7.1753	19.45	0.86	0.44	25.30	5.91
1327141450	41.1600	-7.1764	19.06	0.43	0.47	25.10	6.44
1327687399	40.6034	-9.4483	19.91	0.53	0.69	25.29	4.74
1327201709	40.5996	-12.8108	20.07	0.87	0.56	24.40	2.94
1327211418	40.7453	-12.9226	18.99	0.51	0.66	24.04	4.08
1326608124	40.8716	-14.5875	18.26	0.72	0.49	24.48	6.99
1326256519	40.6844	-16.3435	21.07	0.69	0.32	25.19	2.67
1326266116	40.9515	-16.4674	18.84	0.74	0.39	24.49	5.37
1326244639	40.9998	-16.2037	20.54	0.69	0.75	26.33	5.75
1331478356	41.1443	-16.5374	19.50	0.52	0.41	24.89	4.77
1328281017	41.2415	-18.0539	19.76	0.89	0.31	24.51	3.56

1328268506	41.2578	-17.9098	19.57	0.95	0.52	24.16	3.30
1328235297	41.3182	-17.5242	18.92	0.46	0.49	24.14	4.42
1327302130	40.5360	-26.3459	20.02	0.91	0.56	24.58	3.25
1327294162	40.8292	-26.2604	20.75	0.68	0.98	25.72	3.95
1327877874	40.5434	-26.9813	20.23	0.60	0.32	25.10	3.76
1326989968	40.5387	-27.9518	19.44	0.71	0.62	24.29	3.72
1326996415	41.0569	-28.0164	20.48	0.75	0.47	24.88	3.02
1326980947	41.2944	-27.8526	20.43	0.75	0.62	25.69	4.50
1328515206	40.6378	-28.3201	19.45	0.59	0.73	24.23	3.60
1328533847	41.0458	-28.5374	20.24	0.74	0.63	25.66	4.83
1326844446	40.8198	5.0329	19.05	0.52	0.78	24.64	5.23
1326871460	40.8554	4.6899	19.91	0.78	0.49	24.22	2.91
1326842399	40.9544	5.0776	21.02	0.77	0.91	25.24	2.79
1326862101	41.4155	4.8121	21.68	0.74	0.95	25.83	2.70
1328779145	41.1498	-4.7284	19.90	0.92	0.70	24.45	3.25
1328803130	41.1913	-5.0026	20.01	0.78	0.39	25.05	4.07
1329743790	40.7636	-8.0142	20.55	0.53	0.50	25.97	4.83
1329726153	40.8410	-7.8425	18.19	0.52	0.78	24.95	8.95
1329753565	40.9870	-8.1232	20.57	0.88	0.87	25.59	4.02
1329743969	41.2371	-8.0064	19.21	0.53	0.53	24.24	4.05
1329082729	40.8238	-10.0446	20.14	0.66	0.41	24.41	2.86
1328219333	40.9329	-15.9478	19.90	0.85	0.62	24.63	3.53
1328176524	41.3253	-15.4587	21.70	0.74	0.72	25.21	2.00
1330008026	40.9649	-17.3313	19.48	0.55	0.57	24.75	4.51
1330019025	41.3360	-17.4574	20.42	0.66	0.73	26.01	5.23
1328147007	41.0230	-19.9284	19.46	0.74	0.58	24.42	3.93
1328567019	40.7718	-24.3481	19.29	0.83	0.56	24.10	3.66
1328587205	41.1820	-24.5946	19.59	0.97	0.56	24.76	4.31
1328984645	40.7040	-29.0160	18.06	0.87	0.52	24.56	7.94
1329021202	40.7994	-29.3867	20.06	0.80	0.65	24.83	3.58
1329016722	40.9082	-29.3415	18.89	0.91	0.67	24.79	6.04
1328981142	41.0975	-28.9526	21.12	0.62	0.76	26.91	5.73
1329036577	41.3216	-29.5504	19.35	0.65	0.33	24.66	4.59
1331294641	41.0742	-0.2936	20.14	0.60	0.51	24.42	2.86
1331291409	41.1409	-0.2672	19.60	0.82	0.66	26.30	8.72
1331267878	41.3327	-0.0353	18.40	0.65	0.48	24.70	7.24
1331804003	41.4013	0.8691	19.68	0.89	0.94	24.69	4.01
1331811550	41.4020	0.7982	19.90	0.91	0.39	24.10	2.75
1331978448	41.6984	0.4035	19.85	0.71	0.88	26.06	6.96
1330804257	41.6247	1.7016	19.36	0.88	0.60	24.44	4.14
1331430028	41.6891	1.8642	19.41	0.92	0.61	24.26	3.72
1331390208	41.8005	2.2743	19.51	0.87	0.47	24.16	3.38
1332218467	41.0800	-0.7569	20.23	0.88	0.21	24.12	2.40
1332047802	41.3229	-0.3565	20.82	0.72	0.39	24.28	1.96
1331565117	41.2340	-1.5929	19.45	0.92	0.38	24.14	3.45
1331611431	41.2227	-2.0646	19.72	0.62	0.26	24.44	3.51
1331607828	41.3856	-2.0275	18.20	0.86	0.73	24.07	5.94
1331622795	41.7709	-2.1858	19.49	0.83	0.61	24.50	4.00
1331602401	41.7921	-1.9705	18.18	0.84	0.57	24.39	6.95
1330919204	41.1834	-5.5349	19.06	0.57	0.49	24.20	4.25
1331893484	41.5637	-6.7440	19.86	0.91	0.72	24.46	3.33

1331853225	41.6713	-6.3086	19.14	0.85	0.57	24.01	3.76
1331095896	41.2211	-8.7712	19.90	0.64	0.58	24.64	3.54
1331078491	41.6042	-8.5659	20.86	0.74	0.36	24.63	2.27
1331186910	41.3086	-10.5817	20.12	0.82	0.41	24.59	3.13
1330497150	41.5135	-14.8876	21.41	0.51	0.53	26.07	3.41
1330776686	41.5185	-15.1354	20.11	0.79	0.93	25.32	4.41
1330999375	41.5573	-22.0757	21.45	0.84	0.60	26.13	3.44
1333474173	41.6350	3.4833	21.00	0.61	0.79	26.48	4.99
1333457533	41.6369	3.6560	17.54	0.92	0.68	24.35	9.18
1333219700	42.0427	4.4870	20.63	0.84	0.80	25.24	3.33
1332271034	41.3883	-2.7356	19.48	0.57	0.52	24.53	4.09
1332309826	41.6642	-3.1682	19.67	0.71	0.49	24.15	3.15
1332297943	41.7804	-3.0395	19.02	0.74	0.59	24.04	4.02
1332617676	41.4218	-3.7343	20.66	0.60	0.51	24.62	2.47
1332583906	41.6974	-3.3938	17.63	0.48	0.38	24.24	8.37
1332778937	41.3578	-7.1273	18.82	0.58	0.34	24.44	5.33
1332760429	41.8791	-6.8912	19.49	0.81	0.47	24.46	3.93
1331520962	41.3672	-9.1831	18.79	0.90	0.63	24.42	5.33
1331522052	41.3933	-9.1958	19.32	0.93	0.70	24.37	4.08
1333627642	41.8389	-11.7194	19.61	0.80	0.41	24.47	3.76
1333129422	41.4320	-13.1112	19.56	0.81	0.54	24.21	3.40
1333124398	41.7175	-13.0482	21.37	0.78	0.53	24.89	2.01
1332536937	41.9009	-14.2442	20.08	0.72	0.82	25.26	4.34
1331442391	41.1798	-16.0925	20.40	0.70	0.57	24.78	3.00
1331493701	41.7653	-16.7019	21.50	0.47	0.28	25.84	2.95
1334287183	41.7597	-17.9101	19.52	0.85	0.48	24.43	3.83
1331759631	41.4105	-18.6205	21.73	0.55	0.27	25.54	2.31
1331765957	41.6295	-18.6993	19.54	0.60	0.43	24.17	3.36
1331773572	41.6888	-18.7966	18.34	0.78	0.55	24.13	5.74
1336207096	41.8174	-18.9085	19.19	0.80	0.58	24.31	4.23
1332984570	41.5224	-20.4502	21.08	0.79	0.32	24.88	2.30
1332005955	41.5987	-21.3237	19.54	0.65	0.60	24.18	3.38
1333364545	41.8150	-26.0305	20.08	0.33	0.32	24.42	2.94
1333327929	41.9882	-25.6457	20.12	0.39	0.38	24.59	3.13
1334341373	42.0545	-26.3100	20.75	0.64	0.15	24.31	2.05
1334274434	41.4450	-27.7828	19.91	0.92	0.92	24.84	3.86
1334270955	41.5509	-27.7423	20.32	0.48	0.40	24.64	2.92
1334547520	41.8334	-27.9314	19.22	0.63	0.47	24.34	4.21
1341067532	42.1413	-27.6817	19.49	0.51	0.30	24.44	3.91
1332188196	41.5987	4.7125	18.99	0.93	0.44	24.00	4.01
1336171599	41.7339	-5.7214	18.52	0.80	0.44	24.17	5.39
1334589141	41.4845	-7.6495	19.73	0.57	0.50	24.67	3.87
1334605760	41.8160	-7.8296	19.73	0.67	0.35	24.42	3.46
1335294922	41.8375	-9.9626	18.94	0.72	0.40	24.20	4.50
1335571997	41.9248	-16.7617	19.52	0.76	0.33	24.59	4.11
1335719891	42.2463	-17.0112	18.30	0.88	0.62	24.27	6.22
1335714405	42.3424	-16.9557	17.73	0.64	0.54	24.00	7.18
1335724522	42.3491	-17.0624	18.50	0.82	0.27	24.34	5.86
1334975546	42.1490	-20.1810	19.69	0.93	0.47	25.17	4.96
1334959542	42.1920	-19.9998	19.97	0.76	0.98	25.10	4.25
1335846274	41.6192	-23.2167	19.43	0.80	0.49	24.19	3.57

1335885552	41.7466	-23.6410	19.98	0.84	0.51	24.74	3.57
1334664213	41.6009	-24.1736	18.10	0.64	0.57	24.01	6.07
1334699483	41.8487	-24.5891	18.20	0.53	0.42	24.58	7.54
1334696449	41.8879	-24.5204	19.76	0.68	0.10	24.71	3.90
1334425186	41.8057	-24.8165	19.81	0.85	0.95	25.82	6.36
1334891779	41.5610	-29.0741	19.44	0.79	0.46	24.15	3.50
1334928804	42.0414	-29.4953	20.31	0.86	0.68	24.66	2.96
1334889899	42.1103	-29.0523	20.92	0.53	0.24	25.30	2.99
1337032915	41.9502	0.3131	20.01	0.78	0.50	25.19	4.33
1337042558	42.1281	0.2070	20.34	0.68	0.61	25.00	3.42
1337065136	42.2567	-0.0320	20.40	0.72	0.70	24.70	2.88
1345226009	42.4391	0.8270	18.75	0.90	0.50	24.09	4.67
1337147435	41.7604	1.2661	19.88	0.73	0.56	24.76	3.79
1336738825	41.9961	1.9299	18.70	0.82	0.31	24.61	6.07
1336687184	42.0069	2.4997	19.30	0.87	0.47	24.30	3.99
1336748026	42.2170	1.8459	20.66	0.74	0.53	25.03	2.99
1336713256	42.3132	2.2226	20.93	0.74	0.72	25.99	4.09
1338614663	41.8780	2.5737	20.47	0.53	0.53	24.94	3.12
1338603574	42.2346	2.6938	20.22	0.49	0.44	24.91	3.47
1338585527	42.4302	2.8887	19.15	0.83	0.66	24.81	5.41
1337172611	42.1392	-0.4117	18.73	0.82	0.64	24.50	5.69
1337200174	42.2545	-0.6938	19.37	0.87	0.38	24.05	3.44
1337189972	42.2759	-0.5820	21.80	0.92	1.08	26.25	3.10
1337205340	42.3468	-0.7494	19.99	0.46	0.83	25.47	4.99
1337263125	41.9702	-1.3703	19.86	0.76	0.38	24.75	3.78
1337246235	42.3423	-1.1930	19.39	0.53	0.91	24.95	5.18
1337245980	42.4459	-1.1776	20.21	0.59	0.73	25.84	5.33
1337680842	42.2231	-2.1182	19.44	0.85	0.57	24.47	4.03
1337704412	42.3056	-2.3579	20.30	0.69	0.19	25.17	3.76
1337868094	41.9001	-3.0056	18.71	0.89	0.58	24.23	5.07
1337823514	42.0266	-2.5048	19.87	0.87	0.50	24.54	3.43
1337859769	42.3336	-2.9107	19.33	0.77	0.60	24.16	3.69
1337866524	42.3792	-2.9910	19.48	0.88	0.51	24.24	3.58
1337859938	42.4702	-2.9205	19.58	0.68	0.43	24.21	3.37
1336797445	41.8188	-8.2923	19.92	0.77	0.69	25.12	4.38
1336789350	42.1934	-8.2066	19.92	0.89	0.41	24.61	3.46
1336623629	41.8630	-10.3455	19.15	0.69	0.19	24.55	4.80
1343951710	41.9177	-12.0062	21.86	0.88	0.49	24.28	1.22
1343964953	41.9419	-12.1803	20.40	0.89	0.42	24.65	2.82
1343982816	42.2480	-12.4025	19.94	0.88	0.63	24.50	3.25
1335761841	42.3597	-13.2124	18.44	0.67	0.44	25.45	10.04
1344479564	41.8040	-14.8845	19.09	0.93	0.80	24.40	4.59
1344465640	41.8228	-14.7094	19.74	0.87	0.60	24.50	3.59
1344463666	42.4111	-14.6821	20.63	0.79	0.28	24.99	2.96
1336569665	41.8782	-22.6149	19.73	0.62	0.58	24.05	2.90
1336601221	42.0723	-22.9698	19.62	0.69	0.43	24.59	3.93
1339012597	42.1448	4.5752	19.67	0.45	0.65	24.52	3.72
1339039322	42.7481	4.2529	19.24	0.64	0.47	24.71	4.94
1339240211	42.3875	-3.5368	19.22	0.75	0.64	24.65	4.86
1339369674	42.0877	-4.0845	20.75	0.73	0.45	25.12	2.98
1339409235	42.1222	-4.4905	19.50	0.70	0.21	24.46	3.92

1338832416	42.4556	-7.3915	18.70	0.71	0.57	24.05	4.69
1338466449	42.4024	-9.0699	19.95	0.73	0.54	24.69	3.54
1338499604	42.5368	-9.4786	19.35	0.61	0.53	24.50	4.27
1338478809	42.5593	-9.2368	18.44	0.88	0.60	24.09	5.37
1337989215	41.9210	-16.2412	20.04	0.86	0.25	24.78	3.54
1339680159	42.3682	-17.5482	18.99	0.75	0.62	24.10	4.21
1337759280	42.3771	-21.5827	20.07	0.80	0.40	24.53	3.11
1340106390	42.9009	-5.0422	19.97	0.87	0.47	24.55	3.29
1340031561	42.2500	-7.7960	19.92	0.80	0.64	24.91	3.98
1340016278	42.3157	-7.6135	21.25	0.79	0.54	25.01	2.25
1340043160	42.7217	-7.9250	21.43	0.56	-0.17	25.92	3.15
1340410875	42.3384	-9.8334	19.29	0.85	0.58	24.32	4.05
1340414095	42.5914	-9.8690	19.50	0.79	0.32	24.72	4.41
1340425824	42.7691	-10.0134	19.10	0.79	0.49	24.42	4.62
1342350410	42.4614	-23.8773	18.52	0.68	0.39	24.20	5.47
1342321373	42.7795	-23.5439	19.64	0.59	0.52	24.26	3.35
1341011294	42.7962	-24.1956	20.05	0.56	0.15	24.94	3.80
1340551977	42.2221	-24.9060	19.57	0.56	0.35	24.04	3.13
1339951952	42.6380	-25.4836	21.19	0.64	0.52	25.07	2.38
1339817198	42.1634	-26.1688	22.03	0.68	0.34	25.79	2.25
1339833145	42.4959	-26.3428	21.02	0.67	0.28	24.97	2.46
1339864344	42.7513	-26.6729	19.30	0.97	0.43	24.32	4.03
1340157438	42.2599	-26.8481	18.09	0.31	0.47	24.27	6.89
1340500440	42.2792	-28.6656	19.66	0.93	0.34	24.43	3.60
1340466876	42.6513	-28.3052	18.78	0.81	0.51	24.27	5.00
1340973341	42.3516	-29.5045	21.19	0.62	0.62	25.90	3.49
1340975933	42.4482	-29.5484	18.45	0.52	0.33	24.41	6.21
1340974583	43.0306	-29.5210	20.17	0.84	0.63	24.57	3.02
1342509668	42.5680	0.0691	20.32	0.44	0.56	25.40	4.14
1342487209	42.7533	0.3258	20.51	0.97	0.59	25.06	3.25
1342543517	42.9033	-0.2924	21.32	0.75	0.51	25.30	2.49
1346889563	43.1498	-0.1646	19.52	0.67	0.45	24.15	3.37
1342101907	43.0423	1.0081	19.92	0.81	0.53	24.47	3.26
1342823132	42.5304	2.5036	19.32	0.45	0.56	24.32	3.98
1342828659	43.0531	2.4498	20.81	0.77	0.62	25.35	3.22
1343142367	43.1513	3.1273	19.91	0.58	0.80	24.69	3.61
1343133693	43.2470	3.2114	20.27	0.66	1.06	26.10	5.85
1342958561	42.5480	-0.5907	18.82	0.89	0.64	24.38	5.16
1343258023	42.6132	-1.0190	19.11	0.54	0.36	24.61	5.04
1342939793	42.7034	-0.3677	19.73	0.93	0.44	24.67	3.89
1343258679	42.7075	-1.0167	21.68	0.64	0.78	26.53	3.73
1342974072	42.7836	-0.7514	21.84	0.61	0.78	26.31	3.12
1342970719	42.9827	-0.7150	21.12	0.80	1.02	25.44	2.92
1342928219	42.4889	-1.6862	20.41	0.85	0.64	24.98	3.26
1342872805	42.8956	-1.1015	19.79	0.67	0.64	25.18	4.79
1342563546	42.9473	-1.9190	21.11	0.68	0.74	26.16	4.08
1342555477	43.0214	-1.8298	21.08	0.57	0.61	24.97	2.39
1342676328	42.6597	-3.1227	20.27	0.54	0.43	24.47	2.75
1342406651	42.6280	-6.6665	19.70	0.86	0.49	24.85	4.26
1341696173	42.7272	-8.8886	18.59	0.56	0.57	24.07	4.98
1342015591	42.8808	-11.0165	20.68	0.45	0.39	25.02	2.94

1341869333	42. 5125	-12. 3332	19. 98	0. 74	0. 14	24. 21	2. 79
1341370526	42. 9959	-13. 7202	18. 77	0. 58	0. 53	24. 33	5. 17
1341383318	43. 0050	-13. 7960	19. 32	0. 68	0. 44	24. 67	4. 68
1343443755	43. 0481	-16. 4545	20. 43	0. 70	0. 49	24. 33	2. 39
1342268599	42. 5733	-22. 9802	21. 35	0. 67	0. 31	25. 04	2. 18
1342241223	42. 6106	-22. 6937	19. 43	0. 77	0. 65	24. 21	3. 61
1342240073	42. 8279	-22. 6898	19. 12	0. 83	0. 67	24. 34	4. 42
1342225066	42. 9647	-22. 5167	19. 79	0. 58	0. 32	24. 59	3. 64
1344161666	42. 8029	3. 6024	19. 67	0. 62	0. 52	24. 45	3. 60
1344432057	43. 0975	3. 4889	19. 54	0. 63	0. 52	24. 23	3. 46
1344566552	43. 3478	3. 9632	20. 28	0. 92	0. 80	24. 94	3. 41
1344176296	42. 6935	-3. 7623	19. 66	0. 53	0. 37	24. 29	3. 36
1343915185	43. 3582	-7. 3092	19. 69	0. 54	0. 79	24. 89	4. 37
1341697786	42. 7137	-8. 9059	19. 84	0. 82	0. 55	24. 34	3. 18
1343126462	42. 8978	-9. 5688	19. 00	0. 79	0. 55	24. 19	4. 36
1342728254	43. 3584	-9. 4735	18. 43	0. 68	0. 36	24. 90	7. 84
1345027285	42. 9243	-11. 1060	21. 24	0. 71	0. 29	25. 64	3. 03
1344736794	42. 9802	-12. 9622	19. 21	0. 68	0. 56	24. 10	3. 80
1344760204	43. 4271	-13. 9233	21. 16	0. 68	0. 87	25. 65	3. 14
1345289619	43. 0458	-17. 6899	20. 12	0. 74	0. 38	24. 67	3. 24
1343400285	42. 6758	-18. 8294	19. 64	0. 71	0. 43	24. 36	3. 51
1343098291	43. 3083	-18. 3368	18. 90	0. 86	0. 67	24. 30	4. 81
1345149516	42. 9323	-20. 9836	18. 96	0. 51	0. 54	24. 29	4. 65
1343625133	42. 9667	-21. 2158	21. 02	0. 79	0. 66	24. 87	2. 35
1346126276	43. 1684	-4. 7405	19. 44	0. 39	0. 27	24. 22	3. 61
1346147701	43. 3367	-4. 9507	19. 44	0. 86	0. 59	24. 33	3. 79
1346993880	43. 1524	-5. 9806	18. 30	0. 72	0. 60	24. 36	6. 47
1345435098	43. 1576	-7. 8364	19. 90	0. 72	0. 52	24. 62	3. 50
1345419153	43. 6015	-7. 6415	19. 20	0. 78	0. 67	24. 07	3. 76
1345903522	42. 9868	-9. 9073	19. 64	0. 82	0. 38	24. 03	3. 01
1345800621	43. 2172	-15. 9783	20. 96	0. 43	0. 46	26. 07	4. 20
1345755839	43. 6033	-15. 4393	19. 37	0. 82	0. 71	24. 41	4. 06
1346434233	43. 3380	-17. 0066	20. 13	0. 77	0. 40	24. 51	3. 00
1346470745	43. 5805	-17. 4393	17. 26	0. 87	0. 61	24. 30	10. 21
1347311588	43. 2211	-24. 0676	20. 98	0. 78	0. 38	25. 34	2. 98
1347354969	43. 2520	-24. 5568	19. 16	0. 48	0. 37	24. 50	4. 67
1347357202	43. 4815	-24. 5845	19. 60	0. 73	0. 51	24. 09	3. 15
1346907917	42. 9696	-25. 7101	19. 54	0. 91	0. 61	24. 25	3. 50
1346931725	43. 2902	-25. 9710	20. 20	0. 91	0. 61	24. 51	2. 91
1346915508	43. 6203	-25. 8143	18. 27	0. 74	0. 42	24. 58	7. 31
1346332433	43. 2353	-26. 6749	20. 16	0. 82	0. 46	24. 44	2. 87
1346321437	43. 3440	-26. 5570	20. 35	0. 83	0. 41	24. 52	2. 73
1346286904	43. 4726	-26. 1724	20. 48	0. 58	0. 44	24. 95	3. 13
1346104241	43. 6946	-26. 9824	19. 17	0. 49	0. 57	24. 04	3. 75
1346518781	43. 4861	-27. 5953	20. 63	0. 87	0. 39	24. 88	2. 83
1346876253	43. 1652	0. 0099	19. 15	0. 46	0. 44	24. 22	4. 12
1347873284	43. 3182	0. 8420	21. 31	0. 86	0. 21	25. 23	2. 42
1348085038	43. 6062	1. 3839	20. 21	0. 65	0. 47	24. 46	2. 83
1348992021	43. 6265	1. 8720	19. 40	0. 81	0. 53	24. 58	4. 32
1348575461	43. 7367	2. 2057	19. 84	0. 69	0. 70	24. 53	3. 46
1349213333	43. 6632	2. 8422	21. 37	0. 88	1. 11	25. 86	3. 17

1347967222	43.2039	-0.9386	19.42	0.71	0.53	24.08	3.41
1347962669	43.2490	-0.8845	19.48	0.83	0.56	24.72	4.44
1347946881	43.2880	-0.7280	19.24	0.42	0.55	24.26	4.03
1347945108	43.4793	-0.6975	19.68	0.86	0.35	24.69	4.00
1347961032	43.5365	-0.8642	19.46	0.61	0.35	24.93	4.95
1347934804	43.8604	-0.5992	18.67	0.60	0.63	24.14	4.96
1349481411	43.2031	-1.3090	20.55	0.97	0.95	25.03	3.14
1349910051	43.2388	-1.7187	20.93	0.66	0.93	25.53	3.31
1349889341	43.3255	-1.4963	20.95	0.69	0.86	26.25	4.58
1349478415	43.3486	-1.2769	20.02	0.74	0.16	24.67	3.40
1349907334	43.3529	-1.6849	21.10	0.83	0.50	24.89	2.29
1349886721	43.5019	-1.4697	20.08	0.63	0.59	24.96	3.77
1349472807	43.5615	-1.2125	20.82	0.49	0.82	26.32	5.01
1349897089	43.6979	-1.5812	21.11	0.93	0.93	25.57	3.12
1350437686	43.6584	-1.9014	20.48	0.83	0.40	24.81	2.93
1350444880	43.8434	-1.9818	20.29	0.88	0.93	25.67	4.74
1347721973	43.5750	-10.6269	19.24	0.69	0.50	24.67	4.85
1347718528	43.7645	-10.5906	19.80	0.57	0.50	24.85	4.09
1347715805	43.8321	-10.5753	17.78	0.54	0.50	24.10	7.32
1347012509	43.6571	-11.8899	19.70	0.87	0.68	24.65	3.89
1347006892	43.6857	-11.8615	17.51	0.79	0.57	24.51	9.98
1347650281	43.5709	-13.8436	19.55	0.90	0.58	24.36	3.65
1347623379	43.5756	-13.5606	19.74	0.80	0.50	24.42	3.44
1347617509	43.8615	-13.4917	20.56	0.76	0.82	26.01	4.90
1348019634	43.3373	-15.0958	19.79	0.59	0.58	24.30	3.19
1347987299	43.7015	-14.7005	20.15	0.85	0.51	24.43	2.86
1347998106	43.9377	-14.8388	19.62	0.74	0.82	25.13	5.05
1350192481	43.3963	-16.2727	19.85	0.57	0.43	24.54	3.46
1350211817	43.5442	-16.5170	19.22	0.91	0.43	24.33	4.19
1348418726	43.8227	-19.3741	19.54	0.93	0.59	24.55	4.02
1349590007	43.5304	3.7810	20.23	0.82	0.90	25.17	3.88
1349592198	43.6676	3.7541	19.09	0.50	0.74	24.19	4.19
1348303118	43.9815	4.5890	20.10	0.61	0.72	24.60	3.16
1350403952	44.1870	4.9255	19.44	0.67	1.23	24.67	4.43
1350097186	43.5719	-4.6171	19.60	0.84	0.60	24.59	3.97
1350043267	44.0624	-4.0315	19.19	0.49	0.32	24.31	4.23
1351066423	43.9304	-5.1884	19.46	0.71	0.49	24.56	4.19
1350587321	43.6442	-12.8473	18.45	0.89	0.54	24.14	5.47
1350650171	43.7009	-14.2657	20.41	0.61	0.67	25.04	3.37
1350644364	43.7269	-14.1892	20.35	0.67	0.41	24.71	2.98
1350678244	43.7586	-14.5862	19.70	0.75	0.45	24.73	4.04
1350644932	44.1586	-14.2034	20.22	0.44	0.63	24.81	3.30
1350631626	44.2542	-14.0453	19.14	0.91	0.62	24.30	4.30
1348965115	43.7538	-18.6318	20.00	0.80	0.78	25.27	4.53
1351282832	44.1982	-20.3500	21.20	0.66	0.23	25.31	2.66
1350538237	43.8597	-21.5599	19.95	0.97	0.43	24.77	3.67
1352038354	44.2652	-0.2364	20.61	0.50	0.67	24.79	2.74
1352012797	44.5165	0.0603	19.87	0.84	0.50	24.99	4.21
1352577102	43.9464	0.7619	19.45	0.92	0.81	24.67	4.40
1352606126	44.5575	0.4368	19.70	0.91	0.70	24.44	3.54
1352603764	44.5566	0.4673	19.85	0.86	0.41	24.02	2.72

1351146094	44. 1878	-5. 4489	19. 56	0. 89	0. 49	24. 34	3. 62
1351912056	43. 9595	-8. 8950	22. 21	0. 83	0. 44	24. 60	1. 20
1351087876	44. 1083	-9. 6919	21. 87	0. 56	0. 54	25. 80	2. 43
1351090978	44. 2345	-9. 7364	19. 63	0. 89	0. 73	24. 67	4. 07
1351128143	44. 3017	-10. 2415	19. 20	0. 71	0. 21	24. 38	4. 34
1353213966	44. 2875	-12. 1096	21. 40	0. 45	0. 79	25. 72	2. 92
1353237836	44. 5908	-12. 4319	19. 42	0. 88	1. 05	24. 60	4. 34
1353488920	44. 2883	-13. 8445	18. 71	0. 44	0. 40	24. 29	5. 20
1353452538	44. 3550	-13. 4175	19. 90	0. 82	0. 37	24. 76	3. 74
1351573523	43. 7203	-15. 6089	20. 22	0. 62	0. 52	24. 84	3. 34
1353364241	44. 0494	-17. 2065	20. 65	0. 88	0. 30	25. 20	3. 25
1353358437	44. 1023	-17. 1549	18. 62	0. 53	0. 49	24. 16	5. 11
1351846674	43. 7717	-20. 2317	19. 18	0. 87	0. 43	24. 12	3. 88
1352305177	44. 4054	-24. 2152	19. 54	0. 41	0. 49	24. 85	4. 60
1352392098	44. 4933	-24. 8340	17. 44	0. 77	0. 43	24. 22	9. 08
1351690822	44. 1522	-25. 4488	20. 55	0. 65	0. 42	24. 98	3. 06
1353163845	44. 5055	-28. 6541	20. 76	0. 60	0. 29	25. 86	4. 17
1352724184	44. 3806	1. 4876	20. 35	0. 72	0. 27	25. 56	4. 39
1352956787	44. 4954	2. 3037	19. 28	0. 91	0. 59	24. 77	5. 00
1354172496	44. 3659	3. 1945	20. 11	0. 89	0. 92	25. 67	5. 16
1354723670	44. 4008	2. 8206	20. 11	0. 78	0. 86	25. 09	3. 95
1354712851	44. 4125	2. 9219	18. 79	0. 44	0. 56	24. 03	4. 45
1354696532	44. 4337	3. 1444	19. 52	0. 83	1. 05	24. 32	3. 63
1354169941	44. 5171	3. 2026	17. 80	0. 82	0. 93	24. 14	7. 39
1354735092	44. 5225	2. 6787	18. 71	0. 49	0. 75	24. 02	4. 59
1354693354	44. 6138	3. 1759	18. 87	0. 75	1. 00	24. 89	6. 37
1354725997	44. 6229	2. 7815	18. 50	0. 38	0. 71	24. 21	5. 54
1354726758	44. 6661	2. 7802	19. 07	0. 84	0. 69	24. 43	4. 73
1354177195	44. 2597	3. 7718	20. 47	0. 70	0. 48	24. 67	2. 75
1354210954	44. 3666	3. 3425	19. 82	0. 92	1. 00	25. 34	5. 07
1354211461	44. 4305	3. 3434	20. 65	0. 93	0. 32	24. 87	2. 79
1354213289	44. 4793	3. 2945	18. 63	0. 65	0. 98	25. 40	8. 99
1354193575	44. 5489	3. 5483	18. 89	0. 70	0. 63	24. 27	4. 75
1354211749	44. 6466	3. 3306	19. 85	0. 76	0. 98	25. 30	4. 91
1353523473	44. 4058	-1. 8252	18. 80	0. 58	1. 02	25. 58	9. 04
1353817689	44. 2684	-2. 6804	20. 90	0. 68	0. 29	25. 27	2. 99
1354225766	44. 5082	-3. 2418	18. 89	0. 59	0. 50	24. 57	5. 47
1353039535	44. 1363	-6. 1894	19. 75	0. 81	0. 64	24. 95	4. 37
1353780666	44. 1166	-15. 0872	21. 31	0. 72	0. 97	25. 72	3. 04
1355149096	44. 5254	-16. 2632	18. 48	0. 58	0. 63	24. 74	7. 12
1353876822	44. 1758	-19. 0557	19. 48	0. 88	0. 59	24. 63	4. 27
1353887413	44. 3463	-19. 1670	18. 86	0. 80	0. 59	24. 70	5. 89
1353889350	44. 6270	-19. 1768	20. 04	0. 64	0. 35	25. 29	4. 47
1354671059	44. 1007	-21. 7795	19. 58	0. 61	0. 50	24. 49	3. 84
1354691982	44. 1812	-22. 0100	20. 20	0. 60	0. 58	25. 02	3. 67
1354973789	44. 5539	-22. 2559	18. 51	0. 49	0. 56	24. 42	6. 05
1354049399	44. 6115	-22. 4709	19. 56	0. 84	0. 51	24. 07	3. 18
1353680133	43. 9428	-23. 2655	18. 32	0. 68	0. 35	24. 04	5. 55
1353688305	44. 2699	-23. 3570	19. 21	0. 66	0. 33	24. 41	4. 37
1353723148	44. 3503	-23. 7164	20. 81	0. 65	0. 60	25. 52	3. 49
1353636206	44. 1472	-29. 5263	19. 70	0. 94	0. 56	24. 34	3. 37

1354387895	44. 5158	-4. 3827	20. 01	0. 61	0. 55	24. 41	3. 02
1354370246	44. 8731	-4. 1669	19. 50	0. 96	0. 36	24. 47	3. 93
1355319206	44. 8659	-8. 1757	19. 94	0. 76	0. 64	24. 38	3. 09
1356210478	44. 3216	-11. 6048	19. 60	0. 83	0. 42	24. 42	3. 67
1355778919	44. 3631	-12. 5190	18. 53	0. 82	0. 45	24. 15	5. 31
1355784902	44. 6290	-12. 5874	21. 34	0. 88	0. 89	25. 64	2. 90
1355781036	44. 8123	-12. 5446	19. 95	0. 79	0. 42	25. 10	4. 27
1355825742	44. 8391	-13. 1066	20. 40	0. 54	0. 84	25. 13	3. 51
1355783669	44. 8598	-12. 5691	22. 10	0. 42	0. 45	26. 05	2. 45
1355779391	44. 9285	-12. 5514	19. 02	0. 53	0. 80	24. 83	5. 79
1355930668	44. 4233	-17. 7394	19. 64	0. 84	0. 68	24. 44	3. 62
1355908815	45. 0478	-17. 4994	17. 85	0. 82	0. 56	24. 09	7. 07
1355975225	44. 6592	-20. 3686	19. 15	0. 82	0. 60	24. 05	3. 81
1356613541	45. 0844	1. 0601	20. 10	0. 68	0. 66	24. 48	3. 01
1356625829	45. 1247	0. 8985	20. 44	0. 69	0. 41	24. 71	2. 85
1356942665	44. 7556	1. 6879	19. 40	0. 84	0. 62	24. 64	4. 46
1356606221	44. 8977	-1. 7158	18. 83	0. 87	0. 60	24. 03	4. 37
1364548730	44. 8790	-11. 8674	19. 13	0. 86	0. 61	24. 08	3. 90
1365226295	45. 0334	-12. 2396	19. 09	0. 70	0. 95	25. 10	6. 35
1359224666	45. 1707	-13. 5489	19. 03	0. 58	0. 57	24. 41	4. 75
1359226092	45. 2106	-13. 5501	20. 01	0. 94	0. 52	24. 85	3. 70
1356457144	44. 5649	-15. 7023	19. 46	0. 96	0. 69	24. 62	4. 31
1356447818	45. 0724	-15. 5841	19. 64	0. 66	0. 58	25. 34	5. 51
1358921262	45. 2753	-16. 9852	18. 93	0. 76	0. 53	24. 61	5. 47
1358955316	45. 2977	-17. 3965	20. 45	0. 63	0. 51	24. 62	2. 71
1357199222	44. 7314	-19. 7420	20. 50	0. 78	0. 56	25. 30	3. 64
1359174312	44. 6853	-24. 3645	20. 44	0. 44	0. 28	24. 90	3. 12
1358741726	44. 8673	-25. 3154	19. 77	0. 88	0. 28	24. 55	3. 61
1358386993	44. 6910	-25. 9672	18. 93	0. 50	0. 45	24. 04	4. 20
1358333528	45. 2683	-25. 3505	19. 97	0. 79	0. 68	24. 29	2. 90
1357633796	44. 9972	-26. 5722	19. 89	0. 73	0. 43	24. 34	3. 09
1358458669	44. 8672	-26. 9268	20. 16	0. 58	0. 45	24. 61	3. 08
1358401139	45. 2632	3. 1249	18. 60	0. 70	0. 68	24. 17	5. 19
1364595720	44. 7534	-2. 0091	18. 97	0. 71	0. 58	24. 06	4. 17
1364609867	44. 8406	-2. 2126	19. 89	0. 54	0. 44	25. 35	4. 91
1358887441	44. 9664	-3. 7062	19. 48	0. 86	0. 87	24. 57	4. 16
1358822861	44. 8183	-10. 4450	21. 00	0. 66	0. 33	24. 93	2. 44
1358828345	44. 9143	-10. 5288	19. 27	0. 76	0. 90	24. 64	4. 73
1359120684	45. 0226	-10. 9134	20. 61	0. 69	0. 96	25. 41	3. 65
1358825187	45. 0968	-10. 4777	21. 35	0. 61	0. 42	25. 24	2. 39
1358845998	45. 2202	-10. 7338	21. 02	0. 87	0. 86	25. 45	3. 07
1358835876	45. 2977	-10. 6072	20. 61	0. 56	0. 70	25. 44	3. 68
1358978146	44. 7982	-14. 8091	19. 04	0. 72	0. 56	24. 04	4. 00
1359274922	45. 1372	-15. 2795	21. 01	0. 69	0. 87	26. 05	4. 06
1359272827	45. 2666	-15. 2701	18. 92	0. 92	0. 65	25. 47	8. 14
1360800617	44. 9735	-16. 6260	17. 55	0. 80	0. 64	24. 09	8. 11
1360808570	45. 0566	-16. 6989	19. 83	0. 91	0. 46	24. 32	3. 15
1360803357	45. 0647	-16. 6425	20. 54	0. 93	0. 60	25. 05	3. 20
1364017356	45. 6042	-16. 0762	19. 34	0. 52	0. 67	24. 48	4. 25
1360361765	45. 5783	-21. 9348	19. 67	0. 83	0. 51	24. 64	3. 93
1360423871	44. 8950	-22. 5086	19. 02	0. 43	0. 53	24. 12	4. 18

1360447536	45.0424	-22.7900	19.12	0.61	0.68	24.15	4.05
1359427097	44.8123	-23.5115	19.85	0.57	0.59	24.41	3.26
1359417837	45.2334	-23.3997	19.72	0.74	0.52	24.17	3.10
1361623571	45.2683	-10.0879	18.75	0.85	0.62	24.04	4.57
1361610267	45.4679	-9.9155	19.49	0.80	0.53	24.10	3.33
1360049551	45.0593	-11.1852	19.55	0.88	0.59	24.47	3.84
1360094783	45.0835	-11.7334	19.75	0.48	0.65	24.70	3.89
1360043539	45.5545	-11.1137	19.04	0.74	0.71	24.32	4.54
1360332347	45.4132	-13.0677	17.37	0.40	0.61	24.10	8.87
1360102932	45.1316	-13.9494	20.54	0.77	0.80	25.18	3.39
1360148691	45.2210	-14.4819	20.72	0.62	0.27	25.45	3.53
1360130605	45.7226	-14.2768	19.15	0.57	0.28	24.18	4.04
1361293943	45.3479	-11.9515	20.93	0.42	0.77	26.19	4.48
1361305969	45.4811	-12.1056	20.68	0.83	0.93	25.54	3.73
1361279806	45.5452	-11.7793	20.30	0.91	0.63	24.70	3.03
1361291502	45.8064	-11.9323	18.59	0.97	0.62	25.08	7.93
1361317240	45.8747	-12.2383	20.27	0.95	1.00	25.94	5.42
1362244669	45.9204	-12.4334	19.76	0.92	0.61	24.24	3.14
1361293522	45.9259	-11.9583	18.13	0.77	1.04	24.13	6.35
1361290815	45.9762	-11.9105	20.26	0.72	0.90	25.04	3.61
1366631955	46.0698	-12.0642	18.82	0.83	0.59	24.80	6.28
1361274768	45.1737	-16.0168	18.97	0.94	0.88	24.79	5.83
1361267888	45.4911	-15.9302	19.67	0.89	0.51	24.85	4.33
1361228874	45.6681	-15.4631	19.17	0.97	0.52	24.21	4.06
1361228468	45.6906	-15.4533	20.41	0.85	0.40	24.93	3.20
1361271043	45.8700	-15.9678	19.52	0.73	0.80	24.75	4.43
1362015476	45.8259	-20.1825	19.77	0.63	0.26	24.02	2.83
1362013651	45.8984	-20.1505	21.15	0.77	0.75	26.71	5.15
1363165914	45.8660	-24.6847	20.02	0.92	0.61	24.62	3.32
1362842504	45.3564	-25.6371	19.49	0.77	0.49	24.39	3.81
1362867785	45.7883	-25.8916	19.30	0.75	0.24	24.62	4.62
1362718908	45.8995	-26.4052	17.41	0.58	0.77	24.53	10.59
1362748693	45.9582	-26.7125	18.88	0.77	0.37	25.89	10.04
1362744112	46.0285	-26.6512	21.92	0.62	0.87	25.92	2.51
1368276036	46.1298	-27.2344	21.28	0.80	0.60	25.83	3.26
1362094428	45.6653	-9.0742	19.42	0.80	0.68	25.11	5.48
1362098376	46.0456	-9.1436	19.14	0.77	0.51	24.28	4.25
1362657063	45.5894	-10.7205	21.08	0.77	1.00	26.04	3.90
1362662195	45.6920	-10.7818	21.00	0.88	1.15	25.84	3.71
1362668274	45.9338	-10.8603	19.19	0.70	0.76	24.25	4.11
1362807897	45.7854	-15.2839	18.12	0.60	0.77	24.22	6.60
1364030357	45.8614	-16.2175	19.05	0.86	0.65	24.46	4.81
1364051656	46.0740	-16.4949	18.68	0.68	0.53	24.38	5.52
1363450224	45.6794	-23.2568	20.58	0.77	0.59	24.81	2.80
1362227315	45.5809	-24.3899	20.42	0.68	0.25	24.36	2.45
1362228984	45.8629	-24.4103	19.82	0.81	0.32	24.32	3.17
1362895880	46.1009	-27.6112	18.58	0.64	0.53	24.08	5.03
1364110311	45.5636	-28.8621	19.45	0.80	0.42	24.68	4.43
1364109730	45.6144	-28.8562	19.49	0.90	0.55	24.27	3.60
1364083594	45.7295	-28.5485	19.11	0.72	0.52	24.69	5.23
1365264192	46.3708	-9.8249	19.96	0.74	0.45	24.39	3.07

1364926944	45.7928	-11.7029	20.06	0.72	0.94	25.17	4.21
1364922201	46.1454	-11.6418	20.48	0.79	0.55	24.90	3.06
1364684496	45.9964	-13.1574	18.19	0.59	0.85	24.06	5.95
1364647772	46.0373	-12.7003	20.92	0.62	0.38	24.97	2.58
1364636786	46.0899	-12.5977	18.49	0.54	0.37	24.14	5.38
1364633788	46.1935	-12.5420	20.53	0.61	0.90	25.41	3.79
1366925823	46.2557	-12.4760	19.81	0.65	0.84	25.62	5.79
1365121256	45.7623	-14.5741	19.79	0.53	0.44	24.54	3.55
1365123430	45.7930	-14.5918	20.90	0.86	0.43	25.11	2.77
1364938936	45.9407	-13.9584	20.96	0.60	0.86	25.13	2.72
1365104831	46.0272	-14.4104	17.89	0.54	0.37	24.75	9.37
1365121910	46.2729	-14.5757	20.80	0.97	0.81	25.73	3.86
1364942630	46.3584	-14.0094	19.29	0.81	0.62	24.52	4.43
1365982592	45.9088	-15.9977	19.68	0.66	0.92	25.28	5.26
1365951644	45.9761	-15.6379	20.51	0.71	0.87	25.66	4.29
1365968283	46.1620	-15.8384	19.01	0.54	0.70	25.23	6.98
1365954708	46.2902	-15.6676	19.91	0.80	0.35	24.48	3.28
1365966345	46.4064	-15.8116	18.56	0.91	0.92	24.37	5.78
1365916847	45.9457	-18.0991	19.46	0.57	0.13	24.24	3.61
1365883512	46.3611	-17.7131	19.74	0.82	0.59	24.28	3.23
1368325478	46.1897	-10.6331	20.52	0.74	0.57	25.26	3.53
1368481359	46.2615	-10.9091	20.48	0.57	0.55	24.87	3.01
1368334344	46.6664	-10.7711	16.88	0.87	0.70	24.32	12.29
1368338855	46.7140	-10.7809	19.12	0.81	0.42	24.61	5.01
1368297919	46.7532	-10.3543	19.85	0.68	0.58	24.59	3.53
1368331405	46.7543	-10.7000	19.35	0.64	0.44	24.30	3.90
1366625489	46.1264	-11.9806	20.65	0.76	0.90	25.43	3.61
1366634988	46.1844	-12.0965	20.64	0.94	1.00	25.28	3.39
1366618849	46.2215	-11.9077	20.94	0.84	0.91	25.32	2.99
1366617734	46.4837	-11.8973	19.47	0.73	0.93	24.83	4.71
1366916396	46.5263	-12.3617	19.76	0.76	0.47	24.91	4.28
1367257768	46.6764	-13.2579	19.70	0.78	0.45	24.27	3.27
1365505100	46.1611	-19.6349	19.58	0.79	0.67	24.08	3.17
1365503777	46.3587	-19.6351	18.69	0.92	0.61	24.19	5.03
1365543315	46.4814	-20.1483	19.94	0.75	0.16	25.39	4.91
1368388949	46.4111	-25.5503	20.12	0.75	0.22	24.66	3.23
1368427048	46.7919	-25.9247	21.53	0.46	0.76	27.02	5.00
1367075309	46.3047	-9.5616	19.24	0.94	1.01	26.07	9.29
1367050924	46.4768	-9.1820	19.61	0.83	0.44	24.65	4.06
1367076444	46.5708	-9.5776	19.48	0.95	0.98	24.92	4.88
1367049313	46.6695	-9.1589	19.31	0.74	0.77	24.42	4.18
1367946096	46.6642	-15.1721	21.42	0.55	0.16	25.06	2.13
1367904682	46.7180	-14.7266	19.64	0.69	0.60	24.28	3.38
1368918895	46.7902	-16.4560	19.01	0.65	0.57	24.09	4.13
1368013224	46.4991	-19.3872	18.45	0.38	0.54	25.19	8.90
1368025762	46.5559	-19.5505	19.71	0.83	0.58	24.59	3.78
1368845887	46.2932	-23.2890	19.84	0.74	0.50	24.31	3.13
1369022985	46.3312	-23.7916	21.08	0.85	0.13	25.71	3.37
1368839363	46.3802	-23.2159	21.24	0.83	0.76	26.22	3.95
1369023878	46.5432	-23.8060	20.47	0.90	0.30	24.33	2.35
1368839531	46.7542	-23.2152	20.60	0.70	0.46	24.49	2.40

1367708575	46.6550	-26.2137	20.49	0.96	0.48	24.71	2.79
1367737481	46.6845	-26.5402	19.99	0.54	0.44	25.34	4.69
1368586352	46.3493	-27.7274	20.67	0.50	0.40	25.27	3.32
1369270595	46.5362	-28.7140	19.65	0.86	0.69	24.49	3.70
1370580052	46.8694	-29.4047	19.97	0.92	0.50	24.32	2.95
1369883487	46.6927	-9.6953	20.80	0.67	0.68	25.99	4.37
1370045388	46.8513	-10.0852	20.25	0.93	0.46	24.83	3.28
1370041611	47.1346	-10.0417	18.80	0.68	0.64	24.19	4.76
1369880797	47.2704	-9.6764	18.11	0.88	0.71	24.08	6.24
1369808207	46.5576	-11.7364	19.15	0.74	0.54	24.82	5.43
1369807548	46.5786	-11.7282	18.64	0.51	0.56	24.51	5.93
1369807607	46.9070	-11.7186	19.49	0.54	0.95	24.74	4.47
1368977836	46.4942	-12.8651	19.62	0.69	0.56	24.40	3.59
1368957784	46.9114	-12.6138	19.66	0.90	0.67	24.34	3.44
1368978906	47.1232	-12.8758	20.04	0.91	0.69	24.20	2.71
1369837251	47.1065	-14.1898	19.32	0.77	0.96	24.93	5.29
1370427021	46.7893	-15.6360	20.00	0.88	0.68	24.77	3.58
1370640175	47.1134	-17.8841	19.57	0.87	0.60	24.49	3.84
1370642013	47.3527	-17.9169	19.91	0.30	0.42	24.70	3.62
1368673623	46.5395	-18.5351	20.58	0.86	0.54	24.84	2.83
1368691509	46.5682	-18.7613	20.21	0.49	0.42	24.51	2.89
1369482494	46.7137	-21.9785	19.90	0.58	0.75	24.67	3.59
1369483922	46.9279	-21.9946	20.30	0.87	0.52	25.26	3.92
1369463675	47.0210	-21.7758	19.48	0.53	0.58	25.49	6.36
1370344781	47.0552	-29.7304	21.39	0.75	0.36	25.32	2.44
1371758035	47.3351	-10.4135	18.85	0.49	0.61	24.29	4.89
1371787164	47.4426	-10.6871	20.16	0.76	0.56	24.33	2.73
1370902490	47.1839	-11.9231	20.76	0.60	0.36	25.92	4.31
1370933724	47.4828	-12.3013	19.14	0.73	0.64	24.35	4.39
1371037555	46.8763	-13.2153	19.40	0.75	0.56	24.96	5.19
1371072382	46.9918	-13.6075	19.65	0.48	0.74	24.47	3.67
1371350131	47.2363	-13.7948	20.72	0.86	0.58	25.38	3.41
1370817585	46.7860	-20.7100	20.19	0.88	0.85	24.52	2.92
1370860864	47.2271	-9.2523	18.90	0.81	0.66	24.24	4.65
1370854874	47.2931	-9.1359	19.97	0.80	0.96	24.75	3.60
1372975163	47.5694	-16.2091	19.51	0.93	0.63	24.04	3.22
1372976502	47.7535	-16.2262	19.37	0.64	0.47	24.05	3.45
1373445388	47.1343	-22.9792	19.83	0.73	0.69	25.42	5.23
1373416488	47.1765	-22.6528	20.93	0.63	0.45	24.94	2.53
1373454885	47.1865	-23.0852	19.39	0.86	0.45	24.12	3.52
1372890816	47.7077	-22.5859	20.04	0.76	0.51	24.61	3.28
1372890088	47.8123	-22.5775	21.03	0.97	0.93	25.77	3.55
1372250693	47.0243	-25.1150	21.58	0.60	0.36	26.06	3.14
1372317322	46.9627	-25.7885	20.74	0.69	0.80	25.15	3.03
1372279728	47.0021	-25.4167	20.37	0.83	0.81	25.55	4.33
1372324872	47.6024	-25.8629	19.93	0.80	0.31	24.49	3.25
1372516518	46.9969	-26.6526	19.84	0.81	0.32	24.58	3.54
1371945359	47.5783	-26.0763	21.53	0.77	0.36	25.37	2.34
1373199688	47.4259	-9.8486	19.27	0.77	0.63	24.65	4.76
1373219223	47.5339	-10.0769	19.93	0.78	0.49	24.76	3.69
1373329466	47.5764	-11.2929	19.66	0.56	0.69	25.06	4.79

1373759967	47.3581	-14.2337	19.23	0.59	0.56	24.44	4.40
1373791500	47.7155	-14.6079	21.01	0.70	0.43	25.25	2.81
1374134218	47.4517	-15.3800	18.72	0.61	0.85	24.92	6.92
1374177826	47.6392	-15.9096	19.73	0.60	0.63	24.70	3.92
1374172906	47.7823	-15.8500	19.91	0.89	0.54	24.39	3.14
1374176339	47.9630	-15.8828	19.95	0.66	0.21	24.48	3.21
1374695433	47.5550	-17.8614	21.27	0.82	0.33	25.22	2.45
1374684337	47.7798	-17.7359	19.75	0.90	0.56	24.14	3.02
1373396801	47.6429	-21.3475	21.98	0.51	0.53	25.39	1.92
1373033701	47.1980	-21.8641	20.76	0.71	0.30	24.39	2.12
1373064131	47.8654	-22.2495	23.32	0.46	0.40	25.71	1.20
1373066778	47.9055	-22.3018	18.52	0.78	0.39	24.02	5.02
1375143913	47.2527	-29.0929	19.23	0.74	0.43	24.45	4.43
1694492576	47.6239	-10.6431	18.64	0.62	0.79	24.54	6.02
1694495515	47.9064	-10.6607	21.92	0.41	0.78	26.73	3.66
1694491759	47.9364	-10.6161	20.68	0.73	0.12	24.55	2.37
1694483320	48.0119	-10.5214	20.25	0.70	0.88	25.37	4.22
1694504771	48.0768	-10.7788	19.19	0.75	0.80	24.22	4.04
1375493566	47.9156	-12.2472	20.18	0.68	0.78	24.65	3.12
1375458549	47.9765	-11.8131	20.45	0.69	0.45	24.96	3.18
1376355871	47.9821	-13.7136	20.70	0.66	0.41	24.88	2.73
1376688419	47.8524	-17.0444	19.79	0.70	0.60	24.33	3.22
1376672565	48.0875	-16.8786	17.91	0.76	0.44	24.64	8.86
1376705661	48.2868	-17.2468	19.41	0.90	0.59	24.16	3.55
1376693958	48.3051	-17.1037	20.05	0.64	0.43	24.98	3.86
1375971177	48.2906	-20.2966	20.93	0.69	0.63	26.79	5.94
1375234782	47.8187	-20.9912	19.28	0.87	0.64	24.27	3.98
1374532303	48.1101	-20.3534	20.10	0.88	0.44	24.67	3.27
1374971723	48.4085	-9.3012	19.39	0.67	0.66	24.18	3.62
1376541263	47.8501	-15.0840	19.35	0.67	0.46	24.81	4.93
1376535788	47.9380	-15.0079	19.65	0.57	0.32	24.72	4.12
1376539585	48.0251	-15.0526	21.06	0.51	0.44	24.40	1.86
1376551347	48.2647	-15.2134	19.63	0.62	0.43	24.70	4.12
1377869903	48.0210	-16.7434	20.74	0.87	0.77	25.94	4.37
1377857047	48.1944	-16.5896	20.59	0.68	0.53	25.06	3.13
1377864380	48.2909	-16.6828	19.19	0.50	0.44	24.34	4.28
1377425518	48.5647	-16.0789	19.25	0.68	0.49	24.69	4.89
1376610590	47.9069	-19.4833	18.61	0.70	0.21	24.04	4.87
1376609631	48.0796	-19.4645	19.27	0.81	0.47	24.50	4.43
1378253452	48.2734	-22.7205	19.74	0.58	0.34	24.17	3.07
1378238729	48.4281	-22.5513	18.92	0.73	0.41	24.52	5.26
1376999455	48.3018	-23.2682	20.09	0.79	0.42	24.45	2.97
1376863720	48.0333	-24.5935	20.40	0.65	0.51	24.92	3.20
1376857667	48.1028	-24.5257	20.08	0.93	0.37	24.83	3.56
1376854248	48.1103	-24.5125	17.32	0.81	0.50	24.35	10.13
1377288765	47.7925	-26.0222	19.62	0.79	0.31	24.65	4.04
1377285319	48.3218	-25.9805	21.41	0.71	0.58	26.21	3.63
1377242194	48.3472	-25.5291	20.75	0.80	0.37	25.19	3.09
1377213049	47.8155	-26.6500	20.06	0.84	0.28	24.65	3.29
1376946866	47.9301	-26.9777	19.77	0.68	0.44	25.26	5.00
1376973355	48.3980	-27.2611	20.85	0.80	0.45	24.88	2.56

1377534654	48.3326	-27.6174	20.88	0.73	0.52	25.11	2.79
1377568334	48.4870	-27.9816	19.42	0.69	0.40	24.48	4.10
1377539868	48.5450	-27.6715	20.39	0.86	0.56	24.45	2.60
1375122583	48.2867	-9.6173	18.30	0.87	0.85	24.14	5.86
1377828172	48.3219	-10.1937	20.33	0.66	0.68	24.77	3.07
1377789690	48.6891	-9.7123	20.63	0.87	0.68	25.05	3.06
1378014757	48.1659	-11.4899	19.64	0.64	0.71	24.51	3.75
1378025766	48.3040	-11.6314	18.40	0.58	0.34	25.32	9.66
1378191031	48.2852	-14.1121	21.07	0.90	0.39	25.14	2.60
1378198830	48.3447	-14.2080	20.19	0.61	0.57	24.70	3.18
1378583085	48.3989	-15.6675	21.73	0.86	0.52	25.62	2.39
1378758589	48.6066	-18.3502	19.64	0.77	0.44	24.54	3.81
1378052531	48.1725	-21.1939	19.91	0.91	0.31	24.13	2.79
1378079186	48.2508	-21.5085	20.73	0.87	0.38	25.66	3.87
1378375775	48.1411	-21.8555	19.78	0.91	0.62	24.41	3.36
1379214064	48.0456	-28.8468	19.01	0.91	0.46	24.32	4.60
1379899956	48.9728	-10.6683	20.54	0.80	0.73	24.64	2.63
1379924929	48.3070	-13.7835	19.71	0.93	0.20	24.76	4.08
1379945637	48.3766	-19.7150	19.21	0.69	0.36	24.45	4.44
1379271005	48.6007	-20.9770	19.68	0.91	0.51	24.43	3.55
1378160190	48.6003	-9.4882	19.61	0.92	0.66	24.81	4.37
1380710118	48.7659	-15.1614	19.48	0.89	0.54	24.37	3.79
1381552980	48.9817	-16.2054	19.30	0.65	0.22	25.39	6.59
1381592231	49.0688	-16.6604	20.95	0.90	0.69	25.75	3.64
1441818276	49.0623	-22.7637	20.27	0.73	0.83	24.97	3.49
1441823125	49.2143	-22.8525	18.67	0.56	0.58	25.36	8.71
1381258002	49.1426	-24.1121	21.15	0.59	0.15	25.06	2.41
1381489826	49.1059	-24.8416	19.52	0.50	0.45	24.29	3.60
1381042257	48.4988	-25.6903	19.63	0.88	0.81	24.61	3.95
1381039423	48.5953	-25.6558	20.68	0.66	0.83	25.68	3.99
1381056489	48.9230	-25.8337	20.51	0.63	0.47	25.11	3.32
1381337928	48.8724	-26.4090	19.66	0.52	0.70	24.59	3.86
1381332776	49.0641	-26.3426	21.07	0.70	0.59	25.04	2.49
1381306158	49.1216	-26.0487	20.50	0.71	0.33	24.58	2.62
1448039296	48.9856	-9.9272	20.23	0.82	0.42	24.89	3.40
1448060911	49.3989	-10.2028	20.25	0.81	1.08	24.95	3.47
1449596732	48.7023	-14.0540	19.24	0.91	0.61	24.07	3.69
1449627515	49.0646	-14.4043	19.52	0.75	0.45	24.01	3.15
1444542153	49.0180	-17.9650	19.13	0.87	0.67	24.43	4.59
1444383363	49.0960	-17.6102	20.76	0.79	0.27	24.60	2.34
1382383495	49.2620	-21.7417	19.06	0.77	0.81	24.17	4.20
1450853924	49.1391	-28.2952	20.72	0.56	0.22	24.88	2.71
1442277444	49.4853	-10.7351	19.78	0.78	0.95	24.87	4.16
1447932492	49.6204	-12.1319	20.17	0.62	0.70	24.84	3.43
1442609277	49.4880	-13.3352	19.23	0.92	0.27	24.58	4.67
1442634257	49.7427	-13.6227	20.03	0.71	0.37	25.18	4.28
1453657455	49.2575	-15.0561	19.29	0.87	0.66	24.25	3.91
1453666721	49.3391	-15.1631	20.03	0.50	0.35	24.68	3.39
1452965062	49.4954	-20.2463	21.12	0.82	0.67	27.01	6.01
1452946479	49.6814	-20.0362	20.31	0.78	0.46	25.09	3.61
1452958083	49.7698	-20.1682	20.01	0.88	0.45	24.34	2.93

1443173683	49.5614	-11.5479	18.96	0.67	0.68	24.07	4.21
1447806173	49.5737	-12.8822	19.44	0.44	0.49	24.36	3.85
1447819448	49.7188	-13.0514	18.64	0.80	0.50	24.24	5.26
1441951822	49.7628	-19.2889	19.47	0.73	0.77	25.90	7.71
1441949232	49.8912	-19.2544	20.29	0.67	0.71	25.45	4.29
1451299787	49.5711	-24.5305	21.59	0.65	0.37	25.38	2.28
1443397188	49.6921	-24.6859	18.65	0.53	0.68	24.07	4.85
1443422687	49.8140	-24.9615	21.32	0.73	0.68	25.31	2.50
1446990759	49.5204	-25.8267	19.63	0.37	0.80	24.40	3.58
1446991382	49.5602	-25.8311	20.52	0.92	0.34	24.88	2.96
1447385661	49.6005	-25.8824	21.19	0.63	0.81	25.71	3.20
1447385221	49.6905	-25.8865	19.22	0.57	0.77	24.87	5.37
1446986039	49.8376	-25.7720	20.85	0.64	0.70	26.99	6.74
1452604793	49.6262	-26.0759	18.95	0.69	0.62	24.34	4.78
1452633427	49.9096	-26.4088	20.75	0.69	0.82	25.57	3.68
1452658893	49.9280	-26.6844	19.71	0.53	0.43	24.34	3.37
1444054596	49.4223	-26.9104	20.25	0.90	0.68	24.67	3.05
1444078784	49.9877	-27.1871	20.07	0.75	0.53	24.92	3.72
1452279762	49.8266	-14.3442	18.66	0.94	0.61	24.26	5.27
1452281011	49.8457	-14.3422	19.53	0.52	0.45	24.76	4.45
1452276727	49.8686	-14.2908	19.46	0.73	0.46	24.19	3.52
1442481589	50.0954	-15.8199	19.43	0.92	0.42	24.37	3.87
1442468344	50.2484	-15.6678	18.96	0.76	0.66	24.14	4.32
1447190954	50.1035	-17.5320	20.55	0.77	0.43	24.44	2.39
1447212293	50.1747	-17.7933	21.99	0.53	0.32	25.00	1.59
1441865951	49.5917	-18.3568	17.94	0.77	0.65	24.25	7.29
1441898461	49.9960	-18.7439	20.34	0.83	0.38	24.75	3.03
1441875158	50.1258	-18.4518	20.27	0.84	0.55	24.88	3.33
1446177969	50.0983	-21.9466	20.12	0.89	0.39	24.40	2.86
1446170360	50.1437	-21.8470	19.75	0.51	0.48	24.41	3.41
1451477431	50.0290	-22.6581	22.10	0.55	0.40	24.60	1.26
1446041446	49.5949	-28.5382	19.76	0.60	0.48	24.39	3.36
1446059189	50.2390	-28.7145	20.14	0.72	0.48	24.45	2.90
1619168088	50.0661	-10.6493	18.86	0.86	0.93	24.99	6.73
1382669154	50.2875	-12.3457	19.21	0.58	0.45	24.15	3.88
1382672471	50.2891	-12.3931	18.46	0.68	0.56	24.06	5.27
1454829131	50.0228	-13.2767	20.37	0.86	0.53	25.04	3.44
1454841221	50.3139	-13.4178	19.85	0.93	0.70	24.65	3.65
1454879246	50.4048	-13.8099	19.12	0.82	0.57	24.36	4.47
1442779623	50.1899	-19.9305	20.23	0.73	0.69	26.38	6.78
1382718146	49.9594	-20.7483	20.84	0.65	0.88	25.79	3.90
1383432468	49.7083	-29.2233	19.33	0.83	0.57	24.30	3.94
1383424741	49.7535	-29.1443	20.09	0.85	0.62	24.54	3.09
1383285082	50.2420	-29.0312	19.46	0.64	0.58	24.21	3.56
1447347577	50.2101	-29.9554	19.43	0.84	0.50	24.51	4.13
1442523519	50.1402	-11.3312	19.87	0.62	0.57	24.53	3.40
1383740656	50.1709	-12.6543	18.47	0.70	0.70	24.37	6.02
1383729814	50.3506	-12.4950	20.24	0.94	0.67	24.53	2.88
1383774866	50.4594	-13.0438	18.81	0.72	0.51	25.07	7.13
1383734961	50.6386	-12.5558	19.92	0.76	0.45	24.31	3.01
1448519847	50.1098	-16.3291	19.50	0.83	0.42	24.20	3.47

1449100770	50.0132	-19.3657	19.58	0.71	0.87	25.03	4.92
1449105154	50.1366	-19.4157	19.41	0.79	0.90	25.21	5.74
1449102599	50.5249	-19.3745	21.10	0.48	0.21	25.30	2.77
1449076959	50.5504	-19.0796	18.48	0.92	0.58	24.40	6.11
1443814319	50.1591	-24.4087	19.93	0.76	0.37	26.05	6.67
1443770527	50.3406	-23.9231	19.37	0.83	0.55	24.53	4.30
1443831938	50.6215	-24.6010	21.53	0.71	0.46	25.58	2.57
1443773540	50.8050	-23.9413	20.97	0.77	0.46	25.24	2.84
1451898728	50.0750	-25.6968	17.32	0.57	0.55	24.33	10.06
1451874719	50.5162	-25.3909	22.01	0.81	0.67	26.52	3.19
1451911779	50.5303	-25.8148	20.10	0.88	0.44	24.72	3.36
1447496436	50.6776	-26.3946	20.71	0.80	0.78	25.80	4.15
1443972630	50.6258	-14.5871	19.98	0.84	0.54	24.31	2.93
1449738077	50.3415	-15.3489	19.82	0.83	0.60	25.40	5.21
1449786684	50.8629	-15.8578	19.86	0.56	0.53	24.56	3.47
1443107525	50.2439	-18.6002	18.10	0.67	0.46	24.57	7.86
1442832585	50.6374	-18.3974	20.32	0.56	0.64	24.90	3.29
1444771925	50.7286	-21.1143	20.14	0.83	0.93	25.12	3.95
1444918533	50.7974	-21.2884	20.07	0.96	0.78	25.76	5.49
1444929683	50.8619	-21.3922	19.87	0.71	0.82	25.09	4.42
1447429247	50.7377	-22.0648	20.58	0.62	0.43	24.91	2.93
1447442938	50.8296	-22.2271	19.60	0.56	0.73	24.40	3.64
1447408007	50.8904	-21.8354	20.22	0.54	0.84	25.38	4.28
1450008111	50.3382	-22.8951	19.94	0.46	0.35	24.51	3.28
1449656071	50.2708	-26.8638	19.84	0.79	0.49	24.45	3.32
1383171465	50.7087	-10.5860	19.27	0.81	0.49	24.20	3.87
1383852981	50.7759	-12.4476	19.19	0.80	0.45	24.58	4.77
1383820548	50.8278	-11.9982	20.45	0.55	0.46	25.28	3.68
1383840446	51.0060	-12.2647	20.65	0.96	0.70	24.78	2.68
1383823070	51.1056	-12.0300	19.03	0.66	0.61	24.06	4.04
1384018664	50.7125	-13.7612	19.38	0.73	0.37	25.05	5.43
1384364882	50.6824	-15.2138	18.65	0.59	0.80	25.04	7.58
1383923818	50.8571	-14.6470	17.76	0.76	0.69	24.44	8.65
1442578511	50.7916	-17.2692	21.27	0.68	0.94	26.35	4.14
1442177341	51.1271	-17.1336	20.84	0.84	0.30	24.90	2.59
1384048659	51.3248	-19.7859	18.71	0.59	0.75	24.90	6.89
1452483662	50.9716	-20.8090	18.92	0.74	0.85	24.70	5.71
1449827484	50.4747	-29.1373	19.78	0.83	0.60	24.19	3.03
1449829635	50.4859	-29.1647	19.48	0.53	0.54	24.08	3.33
1449815972	50.8048	-29.0497	16.68	0.95	0.92	24.43	14.17
1449830180	50.8064	-29.1664	20.61	0.62	0.45	24.80	2.75
1450255903	50.8400	-29.5786	18.63	0.59	0.47	24.31	5.46
1384755957	51.2713	-16.6213	18.41	0.66	0.50	24.05	5.34
1384755518	51.2845	-16.6174	19.66	0.43	0.25	24.68	4.02
1384575724	51.3913	-16.1261	16.71	0.51	0.54	24.37	13.57
1448704331	50.8543	-19.2842	19.01	0.79	0.43	24.72	5.52
1448690585	50.9445	-19.1044	19.01	0.91	0.55	24.34	4.65
1443982541	51.2416	-23.9602	19.78	0.97	0.54	24.32	3.22
1444010013	51.5252	-24.2892	19.60	0.87	0.72	24.13	3.20
1384560783	51.3981	-25.2170	18.80	0.72	0.75	24.04	4.45
1452127016	50.9122	-25.6462	18.76	0.94	0.59	24.20	4.88

1452114841	51.1774	-25.4980	19.14	0.73	0.42	24.25	4.21
1452144908	51.6174	-25.8389	19.71	0.89	0.51	24.60	3.80
1452323190	51.2343	-14.2204	20.62	0.71	0.24	24.73	2.64
1447678852	51.3571	-16.0193	19.36	0.65	0.38	24.28	3.85
1448962685	51.5421	-17.6227	19.97	0.87	0.89	25.75	5.72
1448963221	51.5617	-17.6359	19.38	0.38	0.33	24.80	4.83
1447134483	51.0137	-18.3485	20.79	0.72	0.61	24.80	2.53
1447137074	51.1519	-18.3791	19.21	0.73	0.44	24.27	4.10
1447145685	51.3037	-18.4769	19.39	0.79	0.69	24.39	3.99
1443204714	51.2248	-21.1582	19.24	0.75	0.54	24.29	4.09
1443199331	51.4222	-21.1020	18.87	0.86	0.83	24.03	4.30
1443219252	51.4952	-21.3127	20.97	0.92	0.82	25.85	3.77
1443366400	51.5847	-21.5003	20.67	0.72	0.83	25.51	3.71
1443367376	51.6341	-21.5117	20.00	0.45	0.75	25.54	5.10
1443207398	51.7804	-21.1840	19.61	0.50	0.73	26.12	8.02
1443362553	51.8198	-21.4713	18.73	0.89	0.86	25.52	9.07
1443370781	51.8321	-21.5664	18.70	0.45	0.74	24.49	5.74
1443201114	51.8578	-21.1218	19.08	0.80	0.84	24.47	4.78
1443254469	51.2733	-21.9142	18.89	0.70	0.79	24.44	5.14
1443259539	51.4354	-21.9499	20.63	0.92	0.58	25.09	3.11
1443267304	51.7734	-22.0313	20.16	0.94	0.77	25.99	5.85
1450509418	51.3028	-22.5805	19.57	0.60	0.53	24.47	3.80
1450541756	51.3373	-22.9101	20.53	0.63	0.64	24.70	2.73
1450519889	51.3943	-22.6962	19.10	0.68	0.65	24.21	4.20
1385236417	50.9082	-23.8371	19.24	0.54	0.75	25.14	6.04
1385191756	51.4323	-23.3275	22.64	0.67	0.85	26.89	2.83
1450800108	51.2563	-27.0631	17.88	0.88	0.51	24.57	8.70
1450741028	51.0333	-27.8311	20.16	0.90	0.68	24.85	3.45
1450731520	51.5166	-27.7550	17.56	0.79	0.84	24.04	7.89
1450898188	51.6167	-28.1226	19.45	0.67	0.44	24.15	3.48
1441576677	51.3155	-10.4816	18.42	0.85	0.38	24.04	5.29
1448383812	51.2611	-13.3038	19.89	0.79	0.78	24.67	3.60
1448390904	51.4187	-13.3881	20.55	0.72	0.32	24.71	2.71
1448816174	51.6262	-13.8191	18.98	0.74	0.68	24.28	4.57
1386135931	51.8001	-14.8330	20.10	0.77	0.43	24.65	3.25
1385875267	51.6895	-19.7590	19.16	0.33	1.06	25.23	6.53
1385496827	51.3444	-20.9227	16.20	0.95	0.65	24.04	14.71
1385461506	51.4635	-20.4923	21.04	0.86	0.62	26.14	4.17
1385480547	51.5375	-20.7007	20.19	0.52	0.47	25.39	4.39
1385448402	51.8582	-20.3592	19.42	0.90	0.75	25.56	6.76
1386615191	51.6640	-28.8471	20.42	0.71	0.45	24.49	2.59
1387563113	51.8196	-11.4747	16.89	0.78	0.77	24.09	10.98
1387563141	51.9438	-11.4537	17.41	0.41	0.52	24.05	8.47
1387542804	51.9621	-11.2281	18.00	0.59	0.62	24.42	7.64
1387740582	52.1775	-12.7872	20.22	0.65	0.71	25.01	3.62
1387902669	51.6792	-16.7320	19.64	0.49	0.32	24.44	3.64
1387885943	51.9795	-16.5484	19.53	0.82	0.66	24.49	3.90
1387834968	51.8679	-14.5839	20.87	0.80	0.47	25.51	3.38
1387824597	51.9860	-14.4561	20.01	0.90	0.96	24.71	3.47
1387817660	52.2502	-14.3691	19.37	0.82	0.65	24.26	3.80
1387781763	52.3189	-13.9588	19.24	0.88	0.52	24.97	5.58

1388797011	52. 5127	-15. 6905	20. 03	0. 87	0. 57	24. 88	3. 74
1390063760	52. 4840	-17. 8570	21. 00	0. 60	0. 76	25. 30	2. 89
1389738828	51. 9178	-21. 5637	17. 65	0. 96	0. 86	24. 49	9. 31
1389739248	51. 9202	-21. 5295	21. 41	0. 86	0. 67	26. 34	3. 86
1389707243	52. 1301	-21. 1923	19. 25	0. 81	0. 89	24. 48	4. 42
1389708400	52. 1803	-21. 2116	19. 92	0. 81	0. 45	24. 62	3. 48
1389724193	52. 3504	-21. 3846	18. 84	0. 66	0. 85	25. 68	9. 32
1389859830	52. 0084	-22. 1079	17. 91	0. 75	0. 68	24. 27	7. 45
1389895639	52. 1220	-22. 4508	20. 63	0. 57	0. 79	24. 94	2. 90
1389887502	52. 1973	-22. 3688	20. 29	0. 64	0. 74	25. 03	3. 53
1389875703	52. 2130	-22. 2538	19. 79	0. 49	0. 79	24. 72	3. 86
1389884073	52. 2796	-22. 3307	20. 40	0. 75	0. 39	24. 69	2. 88
1389877391	52. 3009	-22. 2717	19. 69	0. 88	0. 57	24. 69	3. 98
1389876219	52. 4597	-22. 2503	19. 00	0. 76	0. 54	24. 15	4. 27
1389889688	52. 5007	-22. 3938	19. 09	0. 90	0. 57	24. 06	3. 92
1388442739	52. 3426	-22. 5844	19. 11	0. 96	0. 80	25. 50	7. 57
1388485241	52. 3777	-23. 0353	17. 36	0. 90	0. 76	24. 07	8. 76
1388221545	51. 8019	-23. 6171	20. 07	0. 80	0. 80	25. 14	4. 13
1387468847	52. 1778	-23. 9079	17. 73	0. 61	0. 52	24. 10	7. 49
1387470022	52. 2111	-23. 9250	20. 42	0. 89	0. 71	25. 62	4. 36
1388016091	51. 6757	-25. 0103	19. 75	0. 58	0. 76	25. 05	4. 59
1388016377	52. 3200	-25. 0249	18. 94	0. 44	0. 38	24. 22	4. 54
1388831618	52. 0733	-26. 0779	19. 25	0. 80	0. 45	24. 63	4. 75
1389609899	52. 2408	-27. 3304	19. 07	0. 65	0. 80	24. 14	4. 12
1389566857	52. 4460	-26. 8720	19. 21	0. 72	0. 33	24. 43	4. 42
1389089824	52. 3156	-28. 1233	20. 14	0. 70	0. 68	24. 76	3. 35
1389781087	52. 3454	-11. 9436	19. 78	0. 88	0. 57	24. 56	3. 61
1390323846	52. 5699	-12. 2073	19. 59	0. 89	0. 69	24. 10	3. 18
1390028553	52. 5296	-13. 5827	20. 91	0. 80	0. 55	25. 13	2. 79
1390024154	52. 6383	-13. 5379	18. 84	0. 77	0. 69	24. 22	4. 75
1390730623	52. 3920	-14. 7667	18. 76	0. 83	0. 77	24. 48	5. 56
1391028964	52. 1854	-17. 3939	18. 93	0. 64	0. 43	24. 57	5. 35
1390999692	52. 5309	-17. 0360	20. 10	0. 49	0. 38	25. 49	4. 78
1391378982	52. 2247	-20. 0999	21. 40	0. 98	0. 58	25. 14	2. 24
1390690185	52. 4749	-19. 6508	21. 34	0. 83	0. 40	25. 11	2. 26
1391390610	52. 5452	-20. 2555	18. 75	0. 62	0. 83	25. 33	8. 24
1390554588	52. 6844	-20. 9506	20. 62	0. 73	0. 63	24. 82	2. 76
1390519472	52. 7124	-20. 5686	20. 69	0. 67	0. 56	25. 12	3. 08
1390507894	52. 7151	-20. 4404	20. 98	0. 50	0. 21	25. 18	2. 76
1696345788	51. 9448	-28. 7297	18. 49	0. 76	0. 85	24. 07	5. 21
1696064890	52. 5408	-28. 4991	19. 34	0. 76	0. 80	25. 42	6. 55
1391232477	52. 6115	-28. 9579	19. 91	0. 77	0. 59	24. 45	3. 23
1391308002	52. 4247	-11. 2418	20. 63	0. 61	0. 65	25. 22	3. 29
1391725100	52. 3727	-12. 7268	19. 80	0. 76	0. 67	24. 54	3. 54
1392283806	52. 6614	-14. 5901	20. 86	0. 82	0. 64	24. 91	2. 57
1391954586	52. 8455	-16. 3015	18. 87	0. 79	0. 67	24. 58	5. 54
1391572396	52. 5212	-19. 0645	20. 85	0. 62	0. 40	25. 11	2. 84
1391561142	52. 6001	-18. 9510	20. 10	0. 69	0. 77	24. 72	3. 35
1391611912	52. 7317	-19. 5225	18. 24	0. 83	0. 55	24. 04	5. 77
1391600250	52. 7824	-19. 3879	19. 25	0. 87	0. 83	24. 19	3. 88
1391582265	52. 9993	-19. 1726	20. 12	0. 85	0. 58	24. 18	2. 59

1392404334	52.8112	-15.5877	18.53	0.62	0.65	24.57	6.44
1394411516	52.7081	-17.9282	18.71	0.94	0.57	24.03	4.60
1394397137	53.0766	-17.7719	19.50	0.55	0.40	24.59	4.16
1394394344	53.3095	-17.7471	19.08	0.64	0.55	24.69	5.30
1393326031	52.6360	-21.7802	17.29	0.68	0.91	24.15	9.36
1393338528	52.7339	-21.8865	19.74	0.79	0.31	24.46	3.51
1393393442	52.7883	-22.4630	20.48	0.81	0.85	26.46	6.25
1393332324	52.9809	-21.8158	21.55	0.62	0.54	26.28	3.52
1393333889	53.0676	-21.8391	19.84	0.52	0.78	24.81	3.94
1393347499	53.2650	-21.9705	21.39	0.60	0.70	25.65	2.84
1393016317	53.0472	-22.7162	18.79	0.60	0.51	25.46	8.62
1393039263	53.1559	-22.9291	20.98	0.72	0.65	26.26	4.54
1393208821	53.1052	-23.2092	17.97	0.91	0.90	25.13	10.79
1392818939	52.5010	-24.2930	18.73	0.54	0.67	24.19	4.93
1392830655	52.9789	-24.4014	19.87	0.80	0.57	24.49	3.35
1393054037	52.8384	-24.9684	19.88	0.78	0.49	24.86	3.95
1393561267	53.0581	-26.2338	19.83	0.81	0.48	24.31	3.14
1393787483	52.7533	-12.2199	18.69	0.86	0.61	24.20	5.06
1394764693	53.1766	-13.7097	19.34	0.68	0.86	24.68	4.65
1394765362	53.1825	-13.7160	18.96	0.96	0.92	24.38	4.84
1394734365	53.2047	-13.3767	20.69	0.92	0.73	25.31	3.35
1394926336	53.0077	-15.0314	18.66	0.60	1.01	24.97	7.29
1394945416	53.3312	-15.2395	19.30	0.77	0.63	24.50	4.38
1394840041	52.9967	-17.3859	19.71	0.68	0.40	24.71	3.99
1395554451	53.3592	-19.8773	20.75	0.76	0.35	24.69	2.45
1395570391	53.5680	-20.0548	20.13	0.70	0.45	24.16	2.56
1394264678	52.9964	-21.3849	19.16	0.48	0.62	24.83	5.43
1394257584	53.3315	-21.2987	20.81	0.84	0.70	25.83	4.03
1394593882	53.2179	-28.0942	17.53	0.70	0.57	24.17	8.49
1394600847	53.2891	-28.1606	18.68	0.89	0.59	24.52	5.87
1395330299	52.8761	-28.4291	20.25	0.43	0.29	24.60	2.96
1395777227	53.4343	-11.6587	19.87	0.59	0.54	24.90	4.05
1396194595	53.4215	-19.0129	19.99	0.86	0.68	25.63	5.36
1396236920	53.5220	-19.4610	18.58	0.70	0.66	24.46	6.00
1396092205	53.0050	-29.2241	20.30	0.66	0.58	24.69	3.02
1396058977	53.3956	-28.9007	20.60	0.77	0.47	24.89	2.87
1397087484	53.1079	-29.8976	20.51	0.73	0.75	25.04	3.21
1397093319	53.1278	-29.9844	18.36	0.76	0.76	25.14	9.09
1397073660	53.1804	-29.7518	21.57	0.70	0.21	25.16	2.08
1397077990	53.5577	-29.8100	18.96	0.67	0.76	24.28	4.62
1396801159	53.7208	-29.6247	19.21	0.99	0.66	24.60	4.76
1398454565	53.5000	-12.0238	19.52	0.77	0.63	24.04	3.20
1398469539	53.8458	-12.2133	19.54	0.85	0.55	24.21	3.43
1398068653	53.3854	-15.7491	18.52	0.45	0.53	24.41	6.01
1398853788	53.5425	-17.5659	19.63	0.42	0.88	24.65	4.03
1399161360	53.7513	-18.0885	20.20	0.92	0.74	24.98	3.60
1398860686	53.7765	-17.6355	20.21	0.81	0.95	25.82	5.27
1398876160	53.8274	-17.8103	21.08	0.93	0.37	25.36	2.86
1399157357	53.9261	-18.0550	19.70	0.73	0.90	25.18	4.98
1398878685	54.0246	-17.8765	17.51	0.86	1.00	24.68	10.87
1403876625	53.3423	-18.6802	20.61	0.94	0.73	25.97	4.70

1403882142	53.4795	-18.7487	18.91	0.59	0.78	24.17	4.49
1403836579	53.6956	-18.2338	19.67	0.60	0.63	24.73	4.10
1403839377	53.7643	-18.2979	18.00	0.63	0.95	24.10	6.62
1403872719	53.7908	-18.6427	19.65	0.80	0.79	26.09	7.74
1403877676	53.8554	-18.6986	19.21	0.89	0.87	25.36	6.79
1403866881	53.8961	-18.5812	19.86	0.63	0.46	24.96	4.18
1398177464	53.6164	-21.9199	18.75	0.64	0.88	25.19	7.74
1398206859	53.7192	-22.2350	18.15	0.85	0.87	24.09	6.13
1398144048	53.5109	-22.9957	20.64	0.78	0.91	25.90	4.50
1398148460	53.7797	-23.0399	21.65	0.62	0.66	26.37	3.50
1398115744	53.8557	-22.7086	19.29	0.66	0.77	24.51	4.41
1398122098	53.8574	-22.7719	18.77	0.69	0.79	24.93	6.81
1398120926	53.9124	-22.7510	20.12	0.87	0.75	26.30	6.87
1397424618	53.2457	-23.5372	20.08	0.74	0.44	24.59	3.18
1397403374	53.7421	-23.3370	19.37	0.89	0.63	26.21	9.30
1397436667	53.8205	-23.6538	21.27	0.82	0.74	26.07	3.63
1402104687	54.0016	-23.4675	19.44	0.65	0.52	24.43	3.97
1397511509	53.7525	-24.0348	18.99	0.87	0.86	25.69	8.75
1397520011	53.9149	-24.1029	20.59	0.64	0.79	26.26	5.42
1397173122	53.2697	-25.0759	18.01	0.72	0.74	24.01	6.32
1397150070	53.4119	-24.8176	21.60	0.57	0.58	26.12	3.20
1397152845	53.6770	-24.8645	18.69	0.91	0.62	24.37	5.46
1397167504	53.8764	-25.0067	19.71	0.66	0.61	24.17	3.11
1397194809	53.9182	-25.2932	19.63	0.83	0.71	24.58	3.90
1397861787	53.3231	-26.1144	21.55	0.72	0.67	25.84	2.88
1397864103	53.8076	-26.1420	19.91	0.66	0.40	24.31	3.03
1397885001	53.8946	-26.3741	21.42	0.51	0.78	26.07	3.40
1399018294	54.0397	-26.8401	20.49	0.89	0.50	25.15	3.41
1397375715	53.8455	-10.9035	19.56	0.91	0.61	24.45	3.79
1398678881	53.4943	-13.6248	19.51	0.82	0.70	24.13	3.34
1398696216	53.6556	-13.7962	19.89	0.65	0.79	25.35	4.92
1399703898	53.9537	-15.0986	20.07	0.36	0.37	25.65	5.23
1399696388	53.9651	-15.0147	19.78	0.89	0.78	25.03	4.48
1399681692	53.9786	-14.8642	18.77	0.66	0.88	25.07	7.25
1399711259	54.1129	-15.1833	20.53	0.89	0.88	25.28	3.56
1399756835	53.8280	-17.1204	20.88	0.51	0.52	25.16	2.87
1399766716	53.8315	-17.2362	19.25	0.70	0.64	24.44	4.36
1399769389	54.1751	-17.2661	20.00	0.53	0.69	24.50	3.17
1399813150	53.5083	-20.8463	22.86	0.67	0.57	24.81	0.98
1399805271	53.7822	-20.7639	20.73	0.93	0.48	24.83	2.64
1399823012	53.9022	-20.9555	20.48	0.56	0.83	24.96	3.14
1399406354	53.9779	-20.6916	18.85	0.70	0.31	26.17	11.63
1399811220	54.0383	-20.8573	17.89	0.55	0.76	24.25	7.46
1399823371	54.1656	-20.9534	19.96	0.38	0.81	26.71	8.92
1399822382	54.2240	-20.9397	21.41	0.60	0.66	26.08	3.41
1398717915	53.5704	-21.1313	21.53	0.65	0.78	26.53	3.99
1398725263	53.7055	-21.2562	17.45	0.88	0.72	24.88	12.19
1398734549	53.8111	-21.3405	18.56	0.82	0.82	25.08	8.04
1398715161	53.8628	-21.1176	19.29	0.71	0.73	24.23	3.89
1398909616	53.5317	-27.7417	19.83	0.73	0.51	24.44	3.34
1398895893	53.5327	-27.6092	19.42	0.76	0.56	24.33	3.83

1398934700	53.6326	-28.0110	19.64	0.84	0.56	24.24	3.30
1398894707	53.7563	-27.5917	19.53	0.82	0.53	24.37	3.71
1398499215	53.7903	-27.5375	19.25	0.50	0.36	24.40	4.27
1398926441	54.0226	-27.9092	21.22	0.81	0.33	25.87	3.39
1399604606	53.6605	-28.5266	19.73	0.79	0.16	24.04	2.90
1400438731	54.0351	-14.3034	20.13	0.67	0.54	24.70	3.26
1400433227	54.0931	-14.2382	18.90	0.91	0.43	24.09	4.35
1400719943	54.3017	-14.5380	20.28	0.55	0.81	26.20	6.10
1400578144	54.1291	-16.4708	20.93	0.87	0.85	25.19	2.83
1400566595	54.4691	-16.3250	20.35	0.97	0.75	24.75	3.02
1404581759	54.5385	-16.3285	19.37	0.82	0.65	25.13	5.65
1400131981	53.8165	-19.3072	20.11	0.97	0.88	25.28	4.31
1400148444	54.0702	-19.5123	18.71	0.91	0.86	24.68	6.22
1400153841	54.1593	-19.5828	17.29	0.77	0.87	24.50	11.02
1400119637	54.4131	-19.1636	19.71	0.89	0.90	25.54	5.85
1399879463	53.6456	-20.1213	18.77	0.83	0.64	25.06	7.22
1399849507	53.8474	-19.7787	22.16	0.78	0.68	26.79	3.38
1399839080	53.8585	-19.6911	19.37	0.92	0.81	25.28	6.06
1399878471	54.1779	-20.0989	19.86	0.77	0.36	24.04	2.74
1399838759	54.3199	-19.6733	20.06	0.95	0.70	24.30	2.81
1402676825	54.4863	-12.3568	20.32	0.79	0.52	24.70	3.00
1402018588	54.0468	-15.3958	20.39	0.67	0.91	25.99	5.28
1402945577	54.1793	-18.0363	19.72	0.74	0.87	25.01	4.57
1402934217	54.4370	-17.9066	19.39	0.83	0.67	24.29	3.81
1402942000	54.6292	-17.9976	19.42	0.84	1.07	25.75	7.38
1402942162	54.6160	-18.0000	18.87	0.47	0.88	25.17	7.25
1402952726	54.7501	-18.1082	19.80	0.74	0.73	25.51	5.53
1402944148	54.7606	-18.0080	20.95	0.79	0.96	25.34	3.02
1406441453	54.8640	-17.5093	19.29	0.74	0.36	24.54	4.49
1401378835	53.9801	-18.6915	20.01	0.79	0.89	24.86	3.72
1401223087	54.0299	-18.3786	18.84	0.72	0.85	24.62	5.69
1401393435	54.0630	-18.8518	20.75	0.79	0.82	25.07	2.92
1401390067	54.2634	-18.8162	20.13	0.56	0.82	25.31	4.34
1401367426	54.3741	-18.5398	20.75	0.66	0.77	25.49	3.54
1401368677	54.3960	-18.5577	20.37	0.60	1.00	25.42	4.07
1401222480	54.4108	-18.3601	20.43	0.74	0.83	25.21	3.61
1401222819	54.4635	-18.3612	21.84	0.89	0.84	26.15	2.90
1401380513	54.4953	-18.7119	18.77	0.75	0.91	24.88	6.65
1401369710	54.5430	-18.5730	20.47	0.72	0.74	25.92	4.92
1401224260	54.5478	-18.3822	20.16	0.80	0.91	26.30	6.75
1401218893	54.5866	-18.3207	19.54	0.81	0.71	24.33	3.63
1401387278	54.6191	-18.7725	21.07	0.83	0.73	25.51	3.08
1401383133	54.6386	-18.7346	20.72	0.77	0.62	25.57	3.73
1401380850	54.6607	-18.7050	20.51	0.84	0.89	25.37	3.74
1403263313	54.3101	-22.3618	19.36	0.65	0.53	24.33	3.94
1403215363	54.5069	-21.8767	21.44	0.53	0.89	24.24	1.45
1403220355	54.8259	-21.9634	17.61	0.67	0.85	24.12	8.01
1398137386	54.0266	-22.9244	19.35	0.91	0.66	24.00	3.39
1402744425	54.1612	-23.0556	18.85	0.65	0.82	24.13	4.53
1402728959	54.2395	-22.9083	18.39	0.46	0.82	25.11	8.80
1402740581	54.2510	-23.0061	19.19	0.89	0.86	24.67	4.99

1402747511	54. 4041	-23. 0770	18. 53	0. 99	0. 76	24. 35	5. 82
1402698425	54. 4494	-22. 5756	20. 27	0. 75	0. 20	24. 77	3. 16
1402721193	54. 4768	-22. 7966	23. 21	0. 74	0. 78	25. 25	1. 02
1402721164	54. 6147	-22. 8149	19. 32	0. 68	0. 76	25. 18	5. 94
1402754325	54. 6228	-23. 1303	20. 56	0. 84	0. 79	25. 14	3. 29
1402728365	54. 6281	-22. 8825	19. 39	0. 75	0. 71	26. 04	8. 54
1402699309	54. 6474	-22. 5998	18. 60	0. 54	0. 81	24. 15	5. 14
1402694714	54. 6487	-22. 5395	20. 17	0. 82	0. 80	26. 34	6. 81
1402725386	54. 6663	-22. 8432	21. 47	0. 55	0. 73	26. 67	4. 37
1402690748	54. 6997	-22. 4709	20. 66	0. 65	0. 76	24. 40	2. 23
1402727071	54. 7190	-22. 9002	17. 42	0. 91	0. 92	24. 02	8. 35
1402744739	54. 7519	-23. 0697	17. 95	0. 79	0. 89	24. 78	9. 26
1402706648	54. 7797	-22. 6741	18. 78	0. 45	0. 84	24. 43	5. 38
1407052188	54. 8095	-22. 7663	20. 73	0. 70	0. 81	26. 71	6. 26
1402102603	54. 1098	-23. 4550	18. 36	0. 40	0. 53	24. 20	5. 86
1402079896	54. 1850	-23. 2062	20. 33	0. 70	0. 63	26. 43	6. 64
1402080096	54. 3661	-23. 2036	21. 49	0. 52	0. 69	26. 55	4. 09
1402080486	54. 4530	-23. 2091	21. 05	0. 83	0. 74	25. 45	3. 02
1402128584	54. 5727	-23. 7026	21. 74	0. 66	0. 31	25. 21	1. 97
1402109025	54. 6436	-23. 5166	18. 62	0. 61	0. 49	24. 18	5. 15
1402135703	54. 6669	-23. 7847	19. 11	0. 48	0. 75	25. 09	6. 24
1402087608	54. 6813	-23. 3008	19. 77	0. 52	0. 78	25. 06	4. 58
1402247854	54. 2148	-24. 3409	18. 59	0. 64	0. 85	24. 71	6. 67
1402236535	54. 3441	-24. 1949	20. 67	0. 78	0. 62	24. 62	2. 47
1402244989	54. 3955	-24. 2985	19. 89	0. 61	0. 60	25. 77	5. 98
1402501374	53. 9999	-24. 7464	21. 18	0. 63	0. 60	25. 15	2. 48
1402560601	54. 0449	-25. 3598	19. 41	0. 79	0. 39	24. 62	4. 40
1402574526	54. 0578	-25. 5089	20. 22	0. 61	0. 35	24. 53	2. 91
1402618742	54. 2041	-26. 0034	18. 85	0. 83	0. 54	24. 02	4. 30
1402584720	54. 4716	-25. 6192	20. 87	0. 66	0. 78	25. 12	2. 82
1403300499	54. 1572	-26. 3205	20. 42	0. 89	0. 80	25. 76	4. 67
1403574326	54. 3057	-26. 4784	18. 82	0. 61	0. 63	26. 36	12. 86
1403583227	54. 3630	-26. 5728	19. 20	0. 61	0. 51	25. 63	7. 72
1403309819	54. 7470	-26. 4251	19. 15	0. 93	0. 77	24. 21	4. 10
1403586372	54. 8232	-26. 6166	19. 94	0. 65	0. 75	24. 97	4. 04
1401072713	54. 0864	-29. 8652	19. 86	0. 94	0. 49	24. 79	3. 86
1402970864	54. 7437	-13. 2978	19. 63	0. 83	0. 42	24. 20	3. 26
1404187913	54. 3558	-15. 0175	19. 63	0. 58	1. 01	25. 98	7. 44
1404164525	54. 7878	-14. 7375	19. 98	0. 95	0. 61	24. 29	2. 90
1404016823	54. 5242	-17. 3398	19. 24	0. 76	0. 80	24. 05	3. 66
1404014942	54. 6045	-17. 3062	20. 09	0. 84	0. 87	24. 64	3. 24
1404013948	54. 8909	-17. 2911	20. 47	0. 89	0. 54	24. 75	2. 86
1403989834	54. 9221	-17. 0154	19. 11	0. 49	0. 94	25. 14	6. 42
1403974216	54. 9482	-16. 8068	19. 49	0. 85	0. 67	24. 53	4. 06
1404094608	54. 3201	-20. 4046	19. 01	0. 53	0. 81	24. 49	4. 98
1404128370	54. 9118	-20. 7745	20. 70	0. 76	0. 33	24. 96	2. 83
1404107752	54. 9837	-20. 5522	19. 99	0. 94	0. 85	25. 47	4. 97
1403541385	54. 4489	-21. 5104	18. 13	0. 85	0. 84	24. 01	5. 99
1403544910	54. 6366	-21. 5367	20. 16	0. 74	0. 80	25. 18	4. 03
1403505224	54. 8500	-21. 1275	20. 39	0. 93	0. 68	24. 63	2. 82
1403035484	54. 4351	-26. 8560	21. 66	0. 70	0. 88	25. 86	2. 76

1403027657	54.4851	-26.7842	19.20	0.71	0.78	24.84	5.35
1403331478	54.5078	-27.2580	20.86	0.76	0.37	24.87	2.53
1404818441	54.6949	-12.6832	18.93	0.57	0.46	24.21	4.54
1404859955	54.8178	-13.1733	18.11	0.77	0.44	24.71	8.36
1405542631	54.8314	-14.3313	21.09	0.63	0.80	25.70	3.34
1405558208	55.2296	-14.5157	19.61	0.84	0.70	24.59	3.95
1404561419	54.6195	-16.0681	17.97	0.45	0.54	25.16	10.93
1404573004	54.8413	-16.2102	19.88	0.69	0.98	26.26	7.54
1404748990	54.6120	-18.9404	20.53	0.60	0.81	25.57	4.07
1404752765	54.7800	-18.9875	19.59	0.92	0.87	24.64	4.09
1404783765	54.8844	-19.4215	19.68	0.70	0.82	25.58	6.02
1404750320	55.1198	-18.9713	19.33	0.34	0.85	26.19	9.37
1404762642	55.1429	-19.1205	20.11	0.71	0.93	26.40	7.23
1404749836	55.1562	-18.9471	20.75	0.69	0.77	25.39	3.38
1403694970	54.6929	-19.8881	21.00	0.89	0.69	26.15	4.26
1403676054	54.9286	-19.6416	20.73	0.74	0.79	25.71	3.96
1404232794	55.1102	-20.1142	20.70	0.64	0.78	25.27	3.28
1405073673	54.7068	-28.2727	19.21	0.84	0.52	24.36	4.29
1405762414	55.0137	-29.1016	19.10	0.69	0.60	24.28	4.32
1406706459	55.1331	-12.2596	21.12	0.78	0.66	25.48	2.96
1405885960	54.8381	-15.4841	19.33	0.67	0.56	24.13	3.62
1405908480	54.9479	-15.7978	18.31	0.44	0.82	24.06	5.63
1406306855	55.0688	-15.8616	20.83	0.66	0.71	25.88	4.08
1405893613	55.2320	-15.5698	21.17	0.64	0.41	24.98	2.31
1406492087	54.8874	-18.1211	19.78	0.49	0.81	25.15	4.74
1406479876	55.0308	-17.9804	19.40	0.94	0.92	25.79	7.59
1406446818	55.1271	-17.5687	21.16	0.68	0.91	26.58	4.84
1406463106	55.1284	-17.7659	21.95	0.84	0.96	24.78	1.47
1406474278	55.1299	-17.9016	20.91	0.70	1.01	26.27	4.72
1406489425	55.2085	-18.0914	18.50	0.81	0.90	24.78	7.18
1406440495	55.2281	-17.5252	18.41	0.42	1.00	24.62	6.99
1406487024	55.2639	-18.0715	19.62	0.54	0.78	26.34	8.78
1406451271	55.4748	-17.6470	19.26	0.47	0.99	24.90	5.35
1406018460	54.7045	-18.7057	18.91	0.73	0.97	25.77	9.41
1405994868	54.7166	-18.4331	20.18	0.93	0.88	25.66	4.99
1405985541	54.7655	-18.3229	20.26	0.43	1.06	26.11	5.89
1405995379	54.7883	-18.4452	18.81	0.83	0.99	25.11	7.27
1406011817	54.7906	-18.6245	18.88	0.93	0.88	24.56	5.46
1405980838	54.8370	-18.2582	21.08	0.57	0.81	26.06	3.96
1406033287	54.8580	-18.8680	20.21	0.73	0.94	25.20	3.97
1406021248	54.9250	-18.7163	20.25	0.81	0.85	25.70	4.91
1406015817	54.9261	-18.6556	21.09	0.82	1.05	25.53	3.08
1405987366	54.9554	-18.3367	20.84	0.47	0.33	25.38	3.23
1406004392	54.9628	-18.5402	20.28	0.55	0.82	27.04	8.93
1405989271	54.9625	-18.3808	19.94	0.63	0.56	25.77	5.85
1405996583	54.9639	-18.4664	19.00	0.93	0.90	24.96	6.21
1406011713	54.9724	-18.6210	19.13	0.77	0.81	24.43	4.57
1406028656	54.9767	-18.8259	18.73	0.48	0.92	24.44	5.54
1405998797	54.9980	-18.4888	19.21	0.89	0.79	25.48	7.15
1406015366	55.0037	-18.6607	18.65	0.79	0.87	24.39	5.60
1405990043	55.0109	-18.3767	19.54	0.74	0.88	26.29	8.94

1405986367	55.0464	-18.3251	21.17	0.95	0.79	25.76	3.31
1405985594	55.1168	-18.3251	19.69	0.93	0.91	25.78	6.58
1406013350	55.1174	-18.6560	18.19	0.95	0.96	24.90	8.76
1405980147	55.1313	-18.2513	20.36	0.86	0.66	26.36	6.34
1406005040	55.1569	-18.5459	20.16	0.47	0.89	25.59	4.88
1406023488	55.1835	-18.7445	20.07	0.60	0.84	25.31	4.45
1406000402	55.2151	-18.4958	20.99	0.38	0.83	26.04	4.09
1406029883	55.2326	-18.8211	20.05	0.71	0.73	26.65	8.33
1406014917	55.2357	-18.6560	20.67	0.64	0.92	26.58	6.05
1405980392	55.2948	-18.2506	20.82	0.91	0.83	25.58	3.58
1406013959	55.3091	-18.6405	20.49	0.82	0.87	25.29	3.65
1407548564	55.1119	-21.8400	17.97	0.74	0.84	25.17	10.95
1407553462	55.1271	-21.8727	18.26	0.79	0.81	24.58	7.33
1407872853	55.2025	-22.4260	20.85	0.45	0.82	26.56	5.52
1407597558	55.2071	-22.2794	19.64	0.56	0.80	25.53	6.00
1407598687	55.2360	-22.2816	21.32	0.85	0.36	25.50	2.74
1407876010	55.4107	-22.4530	20.13	0.93	0.81	24.95	3.67
1407545088	55.4262	-21.7831	19.46	0.74	0.68	24.72	4.50
1407060248	54.9001	-22.8795	17.28	0.53	0.79	24.64	11.80
1407071292	54.9548	-22.9738	18.51	0.80	0.85	24.21	5.52
1407073238	54.9797	-22.9758	20.18	0.92	0.82	25.87	5.49
1407025081	54.9913	-22.5274	17.93	0.61	0.81	24.32	7.56
1407342974	55.0204	-23.0722	20.96	0.71	0.73	26.37	4.82
1407064243	55.0789	-22.8808	20.68	0.64	0.71	25.27	3.30
1407045987	55.1201	-22.7005	20.97	0.36	0.45	26.02	4.09
1407029327	55.1413	-22.5492	20.14	0.66	0.79	25.07	3.86
1407061769	55.1861	-22.8744	19.21	0.79	0.75	24.95	5.62
1407044999	55.2443	-22.6948	20.37	0.74	0.42	26.21	5.88
1406546690	54.8584	-23.7014	20.60	0.73	0.50	26.96	7.47
1406503667	54.8828	-23.2183	20.66	0.63	0.78	26.21	5.15
1406535621	55.0464	-23.6094	18.13	0.57	0.85	24.07	6.15
1406559854	55.2327	-23.8503	20.99	0.48	0.54	26.43	4.87
1406502128	55.3302	-23.2151	18.51	0.85	0.84	24.01	5.03
1406507060	55.3344	-23.2610	19.20	0.66	0.81	25.09	5.98
1406519056	55.3596	-23.3932	21.67	0.66	0.56	25.47	2.29
1406544388	55.4104	-23.6734	21.53	0.94	0.71	26.28	3.57
1406742424	54.8594	-24.0514	19.51	0.71	0.39	24.82	4.60
1406791941	54.8643	-24.5814	18.90	0.52	0.77	24.24	4.67
1406749394	55.0454	-24.1216	20.81	0.65	0.78	25.11	2.89
1407110046	55.1518	-24.8737	21.46	0.72	0.63	25.88	3.06
1406981398	54.8912	-25.6099	20.22	0.70	0.73	25.18	3.91
1407000822	55.1007	-25.8263	18.79	0.92	0.79	25.41	8.39
1406960436	55.4707	-25.3814	20.47	0.77	0.27	26.13	5.39
1407691681	55.3519	-14.6546	20.35	0.69	0.66	25.48	4.25
1408388864	55.1967	-17.3459	18.98	0.82	0.80	24.25	4.52
1407987613	55.2727	-17.2005	19.59	0.90	0.55	24.22	3.36
1407682852	55.0561	-21.0029	19.53	0.75	0.90	25.83	7.25
1407635899	55.2160	-20.4584	22.10	0.75	0.69	26.14	2.57
1407675523	55.3356	-20.9209	18.86	0.66	0.76	24.17	4.60
1452511955	55.4586	-21.0497	17.76	0.82	0.86	24.47	8.75
1452540730	54.9475	-21.3860	18.48	0.76	0.73	24.24	5.67

1452555266	54.9726	-21.5261	19.63	0.68	0.78	24.40	3.58
1452555113	55.3653	-21.5180	19.87	0.57	0.64	24.68	3.64
1452547204	55.5777	-21.4460	19.04	0.53	0.78	24.65	5.28
1407288734	55.0372	-26.7105	18.85	0.87	0.50	24.18	4.65
1407241995	55.3559	-26.1887	20.29	0.95	0.66	24.61	2.92
1407299021	55.0504	-26.8151	19.13	0.77	0.50	24.28	4.27
1407743407	55.2455	-27.4214	20.01	0.87	0.59	24.87	3.73
1408244235	55.4328	-27.7775	19.99	0.71	0.75	24.80	3.67
1408949784	55.5047	-12.5438	19.55	0.90	0.72	24.67	4.23
1409781340	55.4429	-14.1599	20.69	0.81	0.56	25.45	3.57
1409787240	55.7280	-14.2266	19.97	0.75	0.59	24.50	3.21
1409709284	55.2907	-16.1647	21.33	0.76	1.11	26.96	5.33
1409734054	55.4203	-16.4967	18.67	0.79	0.99	24.85	6.85
1409713776	55.6343	-16.2234	20.32	0.90	0.73	24.88	3.27
1409415768	55.4273	-18.9866	20.02	0.87	0.80	25.88	5.93
1409854982	55.5259	-19.5990	20.10	0.53	0.84	25.55	4.91
1409418873	55.9221	-19.0304	20.14	0.86	1.14	25.33	4.35
1408645897	55.6399	-20.1469	20.97	0.50	0.87	25.64	3.43
1408092522	55.6427	-19.7494	19.42	0.69	0.87	24.73	4.61
1408102456	55.7303	-19.8767	19.75	0.92	0.68	24.83	4.14
1408087056	55.7831	-19.7201	18.06	0.79	0.70	25.01	9.78
1408095134	55.8611	-19.7741	20.96	0.68	0.75	26.06	4.16
1409015948	55.7262	-28.2890	18.53	0.87	0.73	24.14	5.27
1409030287	55.7475	-28.4266	20.14	0.90	0.41	24.94	3.63
1409300041	55.8135	-28.5280	22.15	0.83	0.77	26.59	3.07
1409941993	55.9553	-11.8039	19.54	0.77	0.48	24.19	3.39
1410552776	56.0161	-15.5535	21.32	0.77	0.81	25.85	3.22
1410577610	56.2426	-15.8672	19.55	0.74	0.80	25.48	6.12
1410753668	55.8552	-17.8543	19.48	0.68	1.04	25.44	6.21
1410729146	56.0538	-17.5431	19.12	0.78	0.55	24.44	4.61
1410760469	56.1089	-17.9106	21.61	0.90	1.04	26.03	3.07
1410775206	56.3465	-18.1229	18.58	0.63	0.90	25.83	11.29
1410495526	55.5096	-18.4439	19.91	0.92	0.79	25.38	4.95
1410524076	55.5743	-18.7884	20.38	0.88	0.86	25.69	4.59
1410523136	55.6134	-18.7722	21.27	0.82	0.67	26.12	3.74
1410503367	55.6316	-18.5414	19.83	0.82	0.72	25.93	6.62
1410510922	55.7567	-18.6261	20.69	0.67	0.92	25.98	4.56
1410485197	55.8525	-18.3190	19.68	0.85	0.72	24.48	3.65
1410475677	55.8729	-18.2104	18.91	0.73	0.61	24.62	5.53
1410499688	55.9762	-18.5018	18.85	0.68	0.92	24.30	4.90
1410489341	56.0960	-18.3750	18.99	0.74	0.69	24.04	4.08
1411432665	55.7341	-22.5290	20.26	0.59	0.68	25.43	4.32
1411433491	56.3347	-22.5352	19.89	0.95	0.63	24.59	3.47
1412482615	55.6990	-23.7740	19.34	0.51	0.73	25.77	7.71
1412461861	55.7215	-23.5168	18.57	0.53	0.77	24.26	5.49
1412467269	55.9932	-23.5732	19.30	0.80	0.62	24.34	4.06
1406762514	55.5484	-24.2647	19.70	0.82	0.47	24.33	3.37
1411523867	55.7123	-23.9394	21.16	0.65	0.79	25.82	3.42
1411533107	55.8621	-24.0568	17.97	0.90	0.51	24.13	6.81
1411555895	56.0443	-24.2838	21.36	0.83	0.58	25.56	2.77
1411585121	55.8098	-24.6115	19.60	0.76	0.69	24.96	4.70

1411088292	55.5752	-29.9867	20.90	0.80	0.34	25.25	2.95
1411061784	55.6251	-29.7323	18.88	0.89	0.73	26.05	10.88
1411087671	55.8777	-29.9860	19.13	0.69	0.78	24.56	4.87
1411076611	55.9535	-29.8649	21.29	0.73	0.77	25.79	3.17
1412511476	55.8644	-16.9700	18.63	0.54	1.12	25.39	8.97
1412351081	55.7567	-21.3211	19.82	0.87	0.75	24.93	4.19
1412348643	55.7810	-21.3318	16.31	0.71	0.75	24.31	15.86
1412385251	55.8939	-21.7139	20.03	0.84	0.65	25.84	5.78
1412366565	55.9642	-21.5206	18.44	0.51	0.28	24.19	5.63
1412373158	55.9700	-21.5820	19.24	0.71	0.82	24.29	4.07
1412356555	56.1988	-21.3820	22.08	0.53	1.60	26.60	3.20
1412382503	56.2112	-21.7031	17.87	0.79	0.73	24.69	9.22
1411798619	55.7526	-21.9470	18.24	0.85	0.81	25.40	10.75
1411818195	56.0488	-22.1369	19.62	0.81	0.61	24.41	3.61
1411842873	56.2923	-22.3982	19.97	0.88	0.79	25.12	4.27
1411784579	56.3088	-21.7926	18.75	0.82	0.85	24.58	5.83
1411144147	55.6670	-25.5628	19.76	0.95	0.49	24.15	3.00
1411183408	55.7218	-26.0065	19.66	0.53	0.43	24.98	4.62
1411160755	55.8176	-25.7492	18.66	0.71	0.64	24.23	5.17
1411952226	55.9112	-26.7415	20.67	0.74	0.63	25.10	3.07
1411906687	55.9682	-26.2432	19.41	0.80	0.34	24.05	3.38
1411931619	56.2171	-26.5125	20.74	0.77	0.29	24.89	2.69
1411950159	56.2288	-26.7135	21.86	0.61	0.68	25.39	2.03
1411933732	56.4172	-26.5440	18.71	0.84	0.48	24.05	4.66
1412727404	55.9928	-12.6186	19.79	0.82	0.67	24.72	3.87
1413998872	56.1724	-14.2109	20.65	0.85	0.59	24.93	2.87
1413982927	56.4822	-14.0350	20.46	0.64	0.58	25.14	3.46
1414034215	56.6706	-14.6074	19.27	0.71	0.30	24.53	4.49
1413865138	56.1260	-19.5602	19.60	0.81	0.65	24.18	3.28
1413844555	56.2088	-19.3084	19.99	0.86	0.83	25.13	4.25
1413433569	56.3143	-19.0530	19.34	0.76	0.96	25.00	5.42
1413422323	56.3488	-18.9082	19.33	0.98	0.71	24.10	3.58
1413616311	56.1762	-20.1443	18.95	0.76	0.51	24.75	5.76
1414233286	56.3271	-28.7780	21.05	0.87	0.48	24.76	2.21
1412932368	56.3307	-12.2344	21.73	0.62	0.90	25.84	2.65
1412913152	56.7963	-11.9145	18.63	0.80	0.46	24.38	5.64
1414579203	56.5678	-13.2982	21.42	0.70	0.47	25.67	2.83
1414602373	56.5756	-13.5806	17.63	0.73	0.66	24.01	7.52
1414597513	56.6388	-13.5139	18.97	0.90	0.58	24.16	4.36
1415458044	56.6512	-15.6715	18.31	0.44	0.73	24.30	6.29
1415479340	56.6612	-15.9170	19.95	0.84	0.63	24.90	3.90
1414723685	57.0366	-17.5103	17.44	0.64	0.65	24.06	8.42
1414278099	56.2685	-18.6047	19.95	0.88	0.94	25.15	4.37
1414247517	56.4170	-18.2151	18.61	0.75	0.98	25.30	8.69
1414255061	56.5125	-18.3217	19.62	0.80	0.79	26.06	7.75
1414274292	56.5740	-18.5671	19.21	0.93	0.76	24.29	4.14
1414297088	56.8824	-18.8430	20.54	0.83	0.87	25.80	4.50
1415297214	56.4142	-22.5429	19.92	0.98	0.81	24.61	3.45
1415105340	56.3457	-24.2021	18.55	0.66	0.35	24.10	5.15
1415118105	56.5823	-24.3301	20.28	0.51	0.83	24.89	3.32
1415107626	57.0200	-24.2106	19.36	0.93	0.57	24.30	3.88

1415170316	56.9481	-29.9274	17.48	0.51	0.79	24.66	10.89
1416432563	57.0026	-14.8830	19.79	0.47	0.84	24.79	3.99
1450137873	56.8345	-16.8166	19.17	0.65	0.43	24.08	3.83
1450135900	56.8622	-16.7919	20.61	0.84	0.38	24.92	2.91
1450134805	56.9346	-16.7784	19.91	0.76	0.89	25.94	6.42
1416870328	56.9581	-20.4411	19.20	0.78	0.59	24.06	3.73
1416889868	57.0633	-20.6746	21.02	0.85	0.80	26.02	4.00
1416992395	56.9843	-21.6022	20.41	0.74	0.48	24.70	2.87
1416811922	57.0082	-21.0643	19.65	0.67	0.83	26.66	10.08
1415508117	56.7072	-25.5349	21.11	0.69	0.79	27.05	6.13
1417045436	57.2359	-27.1284	20.95	0.84	0.21	25.01	2.58
1417328230	56.8756	-16.7122	20.04	0.49	0.62	24.40	2.96
1417290769	57.0080	-16.2479	20.76	0.83	1.03	26.14	4.76
1418160275	56.9488	-19.4483	18.97	0.58	0.59	24.98	6.33
1417337533	57.5281	-18.9419	19.78	0.78	0.91	25.21	4.87
1418052062	56.7085	-19.8081	19.47	0.60	0.78	25.70	7.01
1418078041	56.7289	-20.0747	20.07	0.54	0.41	24.44	2.98
1418080654	57.0478	-20.1011	20.54	0.89	0.69	24.76	2.79
1417687250	56.8573	-27.4797	19.48	0.74	0.58	24.13	3.40
1417735220	57.2420	-27.9874	19.40	0.67	0.64	24.13	3.52
1417712910	57.3106	-27.7465	19.33	0.81	1.16	24.31	3.95
1417991802	57.5075	-28.5121	19.68	0.81	0.49	24.92	4.45
1419226658	57.7703	-13.7376	19.27	0.75	0.60	24.59	4.62
1418845260	57.1358	-15.4901	19.69	0.59	0.66	25.90	6.94
1419994956	57.5547	-17.7565	19.84	0.73	0.61	24.83	3.96
1418815550	57.0486	-18.7504	21.11	0.80	0.70	26.48	4.73
1418815113	57.1360	-18.7463	20.60	0.88	0.86	25.78	4.33
1418808684	57.5276	-18.6792	20.46	0.69	0.90	26.07	5.28
1418522696	57.5376	-18.3674	19.13	0.54	0.39	24.01	3.79
1420273979	57.7233	-17.2474	19.05	0.78	0.51	24.21	4.30
1421812991	57.9775	-20.3260	19.94	0.52	0.85	25.21	4.52
1420802321	57.3633	-22.2972	20.11	0.70	0.50	24.94	3.69
1419584014	57.5255	-23.2655	20.21	0.71	0.20	25.57	4.69
1419869092	57.6770	-24.4345	20.06	0.67	0.46	24.48	3.05
1419848372	57.6792	-24.1886	21.02	0.86	0.99	25.63	3.33
1419941528	57.3314	-25.2731	19.77	0.82	0.62	24.52	3.55
1695754837	57.4448	-25.4679	20.28	0.89	0.52	24.68	3.02
1695774316	57.6645	-25.6876	20.36	0.94	0.56	24.70	2.94
1420132971	57.6448	-26.2800	19.44	0.80	0.37	24.52	4.13
1420149341	57.8218	-26.4582	20.82	0.91	0.41	24.94	2.66
1420576025	57.2754	-29.8543	20.29	0.70	0.63	24.76	3.13
1421032438	57.9550	-13.9426	19.37	0.90	0.64	24.54	4.31
1421727328	57.5988	-16.5348	18.06	0.69	0.77	24.26	6.91
1421692446	58.1922	-16.0882	20.44	0.97	0.54	24.59	2.69
1422643174	57.8431	-19.2018	20.62	0.84	0.36	24.58	2.47
1422627725	58.0009	-19.0364	20.20	0.82	0.51	24.64	3.08
1422641607	58.0134	-19.1917	19.65	0.70	0.65	24.43	3.62
1422663037	58.0842	-19.4400	20.19	0.72	0.38	24.95	3.58
1422615953	58.1513	-18.9214	18.49	0.85	0.39	24.20	5.53
1422650684	58.1551	-19.2970	20.14	0.54	0.40	24.79	3.40
1421782132	58.1105	-19.9808	18.98	0.72	0.42	24.70	5.56

1421407651	57.8631	-27.1231	20.69	0.76	0.39	24.89	2.76
1420956071	57.9113	-26.7590	19.78	0.84	0.52	24.03	2.81
1422348905	57.5243	-28.1096	19.19	0.59	0.45	24.27	4.13
1422289601	57.6844	-27.4937	19.64	0.82	0.51	24.63	3.98
1422294313	57.9261	-27.5296	20.19	0.80	0.37	24.41	2.79
1423047749	57.9517	-13.4357	19.32	0.76	0.58	24.65	4.63
1423213025	58.0702	-13.8060	19.77	0.82	0.63	24.23	3.11
1423219275	58.4220	-13.8667	20.19	0.91	0.57	24.50	2.90
1422532895	58.3193	-15.9502	20.46	0.91	0.51	24.65	2.75
1423773885	58.1462	-17.9644	19.46	0.62	0.78	24.48	4.02
1423513026	57.9433	-18.7160	20.66	0.78	0.62	24.98	2.91
1422716624	57.8377	-28.5838	20.40	0.50	0.57	24.82	3.06
1423533835	58.2554	-28.9192	20.15	0.93	0.66	24.75	3.32
1424322455	58.1069	-14.9053	20.44	0.72	0.72	24.91	3.13
1423952624	58.1527	-16.9469	19.57	0.81	0.58	24.78	4.39
1423959734	58.3710	-17.0411	19.61	0.63	0.68	24.14	3.22
1425358120	58.1505	-20.6302	18.62	0.58	0.70	24.13	5.05
1424456470	58.2276	-21.9123	19.82	0.67	0.73	25.53	5.53
1424075028	58.4981	-23.7343	18.41	0.73	0.63	24.05	5.36
1423870190	58.1739	-23.9094	19.64	0.55	0.66	24.24	3.33
1424663543	58.0832	-24.6860	19.37	0.82	0.68	24.21	3.71
1424240045	58.3842	-25.5939	20.59	0.64	0.67	25.65	4.10
1425295511	58.3392	-26.3563	19.11	0.59	0.61	24.21	4.18
1425319250	58.4749	-26.6240	20.16	0.76	0.32	24.70	3.24
1425306848	58.4987	-26.4917	18.52	0.74	0.56	24.40	6.00
1425754643	58.4158	-16.0800	18.10	0.68	0.44	24.06	6.23
1426456628	58.4384	-16.6169	19.69	0.81	0.42	24.38	3.46
1425783162	58.5281	-16.3665	20.60	0.80	0.60	25.12	3.20
1425517171	58.8794	-20.1116	19.30	0.65	0.57	24.01	3.48
1426032363	58.2032	-27.0059	23.03	0.65	0.45	25.30	1.13
1426017252	58.3877	-26.8633	19.96	0.73	0.20	24.25	2.87
1426616206	58.6967	-27.4781	20.23	0.69	0.34	24.94	3.48
1426592780	58.5910	-13.6948	21.00	0.85	0.50	25.07	2.60
1427727232	58.6899	-15.4960	18.68	0.63	0.45	24.11	4.87
1427310241	58.6285	-17.4925	19.79	0.52	0.76	24.31	3.20
1426706261	58.7944	-18.3869	20.64	0.50	0.56	26.40	5.66
1427368039	58.8006	-18.4973	19.85	0.98	0.59	24.41	3.26
1427245541	58.6742	-28.2318	18.62	0.85	0.56	24.47	5.88
1427241817	58.8374	-28.2108	18.41	0.92	0.81	24.61	6.94
1427292691	59.0798	-28.7378	20.46	0.51	0.58	25.00	3.22
1427275901	59.2272	-28.5613	21.16	0.85	0.75	25.58	3.06
1428963599	58.9999	-25.8119	19.65	0.54	0.50	24.16	3.19
1428426278	58.7597	-29.4744	20.18	0.84	0.47	24.46	2.87
1428389448	58.8681	-29.0945	20.14	0.79	0.52	24.77	3.36
1430598867	59.0140	-29.6871	20.70	0.61	0.90	25.40	3.47
1430606771	59.3637	-29.7646	19.68	0.87	0.53	24.44	3.57
1430922504	59.2719	-14.3706	19.35	0.70	0.37	24.16	3.65
1430583865	59.4246	-19.5610	19.93	0.64	0.32	25.44	5.03
1430298766	59.2227	-19.7651	21.55	0.55	0.66	26.76	4.38
1430307616	59.5352	-19.8727	19.40	0.82	0.67	24.26	3.75
1430305219	59.6234	-19.8427	19.93	0.92	0.45	24.62	3.45

1429750765	59.1491	-26.2430	18.19	0.58	0.40	24.63	7.77
1430805103	59.6279	-27.4218	19.14	0.77	0.49	24.27	4.25
1433251093	59.3332	-15.9114	21.08	0.73	0.36	25.04	2.48
1431005462	59.3387	-18.8253	20.90	0.61	0.92	26.15	4.46
1430862725	59.3453	-18.6917	19.91	0.85	0.52	24.54	3.37
1430848130	59.7091	-18.5501	20.01	0.86	0.50	24.63	3.35
1430837124	59.8636	-18.4490	18.04	0.67	0.39	24.16	6.67
1432651598	59.2770	-28.7919	20.07	0.75	0.61	25.23	4.29
1435351502	60.2067	-16.9122	19.87	0.94	0.45	24.63	3.56
1433198255	60.1037	-20.7114	19.57	0.71	0.65	24.06	3.14
1433570618	60.0802	-24.7326	19.43	0.81	0.56	24.16	3.54
1433383446	59.9505	-25.9747	18.98	0.83	0.45	24.09	4.21
1435450485	60.3901	-13.9044	19.15	0.63	0.35	24.60	4.92
1435494257	60.4042	-14.3376	20.47	0.85	0.45	24.58	2.65
1436165367	59.7491	-16.5322	19.34	0.82	0.32	24.17	3.68
1436117965	60.2300	-16.1006	22.04	0.69	0.51	26.55	3.19
1434125567	60.3618	-18.9691	19.01	0.90	0.71	24.20	4.35
1434583008	60.0012	-20.2578	19.36	0.54	0.31	24.12	3.57
1433493470	59.6795	-26.0460	19.38	0.84	0.50	24.24	3.73
1434709817	60.3323	-27.1811	21.50	0.79	0.51	25.18	2.17
1437094182	60.4394	-18.0424	19.75	0.76	0.54	24.13	3.00
1437092998	60.6166	-18.0570	18.06	0.47	0.68	24.75	8.67
1435684913	60.3399	-18.2970	19.95	0.76	0.23	24.27	2.91
1436599731	59.9572	-27.6935	20.39	0.65	0.82	25.32	3.86
1436598038	60.6100	-27.6820	19.22	0.70	0.23	24.30	4.13
1438025908	60.7508	-28.7479	20.92	0.83	0.37	24.91	2.51
1437313895	60.6181	-14.8619	19.80	0.69	0.35	25.02	4.42
1437324157	60.7106	-14.9696	19.37	0.72	0.46	25.00	5.33
1438522058	60.9623	-20.3392	20.30	0.55	0.52	24.14	2.34
1439604740	61.0027	-20.8174	19.17	0.96	0.62	24.26	4.17
1438690985	60.7932	-22.2226	19.21	0.43	0.57	24.84	5.34
1437615419	60.7670	-22.8200	18.84	0.98	0.43	24.02	4.35
1437622131	60.9306	-22.8800	20.79	0.60	0.79	25.06	2.85
1438953785	60.3252	-24.4632	19.86	0.93	0.64	24.41	3.25
1438902157	60.9931	-23.9832	20.14	0.83	0.77	24.70	3.25
1437660992	60.6044	-24.9491	18.66	0.76	0.52	24.08	4.84
1437727707	60.7682	-14.2493	19.93	0.80	0.42	24.61	3.44
1437740812	61.1763	-14.4221	17.85	0.74	0.61	24.20	7.40
1440497166	61.0795	-16.5212	19.15	0.89	0.40	24.12	3.93
1437897085	60.4497	-25.3787	20.03	0.87	0.37	24.50	3.13
1437955342	60.8178	-25.9693	20.42	0.81	0.48	24.73	2.89
1438777430	61.1630	-26.6931	20.85	0.64	0.48	25.19	2.94
1439379997	60.7727	-27.1322	20.51	0.68	0.49	25.22	3.49
1440549433	60.6917	-29.8385	20.47	0.97	0.70	24.78	2.90
1440566382	61.2600	-29.9811	21.28	0.68	0.63	25.18	2.40
1440888690	61.2111	-15.5450	19.58	0.93	0.66	24.15	3.28
1613320021	61.4562	-15.9730	20.10	0.80	0.56	24.60	3.16
1453236283	61.1752	-17.5078	19.20	0.91	0.40	24.14	3.88
1453244858	61.3985	-17.5916	21.04	0.86	0.78	25.46	3.05
1441063337	61.3899	-28.1285	19.32	0.58	0.49	24.40	4.15
1612998021	61.3549	-15.1818	19.95	0.65	0.50	24.32	3.00

1455335398	61.6942	-21.1334	18.37	0.78	0.81	24.29	6.08
1455329067	61.7977	-21.0516	20.99	0.65	0.84	25.30	2.90
1457693335	61.1239	-22.8196	21.51	0.83	0.31	25.29	2.27
1456530324	61.5314	-24.0236	20.11	0.80	0.61	25.17	4.11
1452731754	61.5335	-14.4190	19.31	0.86	0.57	24.21	3.81
1456105617	61.6826	-19.5851	18.88	0.84	0.39	24.59	5.52
1456035624	61.8141	-18.9154	20.24	0.64	0.27	25.03	3.63
1454187343	61.1526	-20.7263	19.53	0.48	0.36	24.40	3.76
1454748810	61.5627	-26.4119	20.37	0.50	0.13	25.21	3.71
1453718239	62.0642	-17.8412	21.28	0.68	0.57	25.68	3.02
1453992293	61.8037	-18.6200	19.68	0.68	0.41	24.27	3.32
1453986061	61.9920	-18.5462	20.45	0.86	0.55	24.97	3.20
1453012869	62.2343	-15.1556	20.33	0.75	0.36	24.30	2.47
1461135267	61.9512	-21.4239	20.58	0.56	0.80	25.63	4.08
1461103333	62.1472	-21.1104	18.40	0.72	0.94	24.04	5.36
1461103993	62.3273	-21.0948	20.45	0.79	0.74	26.14	5.49
1461141654	62.3687	-21.4912	20.48	0.84	0.84	25.14	3.41
1463229345	62.5672	-22.4040	20.00	0.62	0.53	24.28	2.87
1458444484	62.2321	-22.5858	20.04	0.88	0.53	24.51	3.12
1459248469	62.5133	-23.5116	20.60	0.52	0.71	25.12	3.19
1696829711	62.1271	-23.9220	20.26	0.74	0.48	24.34	2.60
1457261794	61.8904	-28.5571	20.29	0.83	0.41	24.66	2.98
1459119498	62.5877	-16.1562	20.09	0.93	0.57	24.52	3.06
1460909450	62.1753	-20.2375	18.82	0.88	0.46	24.19	4.73
1459104156	61.9524	-21.0023	19.93	0.69	0.23	24.70	3.58
1459071972	62.0399	-20.6806	17.85	0.90	0.69	24.00	6.78
1459059122	62.1058	-20.5336	22.23	0.90	1.12	25.58	1.87
1459090736	62.1062	-20.8576	20.65	0.95	0.38	25.07	3.06
1459099355	62.1456	-20.9494	20.26	0.75	0.57	25.05	3.61
1459092564	62.4043	-20.8840	20.31	0.87	0.93	25.35	4.08
1459874368	62.2617	-26.3004	19.88	0.78	0.63	24.54	3.41
1459502100	61.9769	-29.5653	21.00	0.89	0.51	25.05	2.58
1459488951	62.6047	-29.4351	20.96	0.90	0.40	24.91	2.46
1458941847	62.4248	-15.9719	19.48	0.41	0.56	24.88	4.79
1458940230	62.7301	-15.9615	18.07	0.80	0.54	24.02	6.17
1460462065	62.8694	-29.8422	20.06	0.87	0.49	24.54	3.14
1463471521	63.0372	-23.9594	21.23	0.76	0.78	25.27	2.57
1615718460	63.1322	-28.8717	19.76	0.87	0.45	24.19	3.06
1462633062	63.4226	-16.1291	19.28	0.64	0.40	24.01	3.52
1613616373	63.3606	-19.8591	18.06	0.65	0.49	24.47	7.63
1613635188	63.3761	-20.0104	20.81	0.76	0.74	25.12	2.91
1613206103	63.1486	-25.1140	20.36	0.80	0.43	25.13	3.58
1464201066	63.3602	-25.3597	21.17	0.59	0.24	25.24	2.60
1617472886	63.5842	-26.3833	20.51	0.64	0.40	25.67	4.29
1463724475	62.9433	-15.8571	19.52	0.65	0.60	24.12	3.31
1613439033	63.3201	-17.8774	20.81	0.76	0.66	25.10	2.88
1617063275	63.6633	-27.1791	19.58	0.90	0.39	24.33	3.56
1615927377	63.2075	-29.8616	19.61	0.82	0.46	24.50	3.80
1612907816	63.7645	-16.9904	20.57	0.84	0.44	24.74	2.72
1616862436	63.8867	-22.4549	18.44	0.62	0.60	24.50	6.48
1617687728	63.6061	-27.9097	19.57	0.82	0.72	24.37	3.63

1614562775	64.0777	-18.9889	20.53	0.74	0.38	24.64	2.65
1614489363	63.5450	-19.6655	20.19	0.75	0.56	25.26	4.12
1614513162	63.6607	-19.9070	20.39	0.76	0.81	25.21	3.67
1616543199	63.5068	-24.5208	20.49	0.60	0.47	24.86	2.99
1616222703	63.8033	-23.9000	19.35	0.61	0.49	24.17	3.67
1614428505	64.2469	-25.3566	19.67	0.80	0.65	24.40	3.52
1617960088	63.8800	-29.2561	19.70	0.82	0.45	24.99	4.56
1471863389	64.0102	-17.5786	19.99	0.49	0.38	24.43	3.09
1471904016	64.0706	-18.0210	20.49	0.78	0.58	24.71	2.78
1471860232	64.5936	-17.5468	20.29	0.74	0.61	25.10	3.66
1465833751	64.4631	-27.2380	19.39	0.84	0.48	24.64	4.47
1478748138	64.1635	-22.0233	20.39	0.67	0.36	25.20	3.65
1478737254	64.7127	-21.9108	20.86	0.50	0.51	25.37	3.17
1467081087	64.6689	-22.8133	19.38	0.87	0.31	24.20	3.67
1472583964	64.2979	-28.1149	20.84	0.81	0.52	24.95	2.65
1472549014	64.4807	-27.7969	18.84	0.87	0.55	24.32	4.97
1478808958	64.5181	-19.1062	18.43	0.63	0.48	24.23	5.78
1478966299	64.4190	-21.1933	16.59	0.65	0.57	24.08	12.52
1466830467	64.1681	-23.6262	21.34	0.82	0.94	25.98	3.38
1466802267	64.2869	-23.3461	17.90	0.87	0.71	24.55	8.53
1466850943	64.4464	-23.8519	18.73	0.89	0.64	24.10	4.73
1466357200	64.4781	-24.1612	18.71	0.58	0.42	24.07	4.73
1467294386	64.2415	-25.1057	20.18	0.91	0.63	24.66	3.14
1467033658	64.5213	-25.9232	18.30	0.65	0.50	24.23	6.11
1467041140	64.9997	-26.0006	19.54	0.62	0.47	24.26	3.52
1466606413	65.0740	-25.5108	21.26	0.97	0.81	25.00	2.23
1467714245	64.2139	-28.8446	20.73	0.81	0.47	25.01	2.87
1468594039	64.3644	-28.9295	19.35	0.75	0.46	24.07	3.51
1468601112	64.5553	-28.9963	20.32	0.68	0.46	24.36	2.56
1465848736	65.2915	-17.5488	20.17	0.81	0.62	24.20	2.55
1467732117	64.7794	-18.3430	18.95	0.58	0.48	24.52	5.20
1467245465	65.0375	-26.6106	20.67	0.59	0.55	24.80	2.67
1469094392	64.8265	-29.8280	18.92	0.51	0.34	24.37	4.90
1469688670	64.8038	-28.0028	18.03	0.46	0.70	24.11	6.56
1469645364	65.3273	-27.6144	18.47	0.67	0.48	24.48	6.35
1471142758	65.7860	-19.0600	18.50	0.66	0.54	24.31	5.79
1471019804	65.2802	-20.0192	20.03	0.74	0.44	24.44	3.04
1470024466	65.1382	-22.4767	20.17	0.85	0.42	24.36	2.75
1469973628	65.2042	-22.3855	19.02	0.68	0.55	24.73	5.52
1470074193	65.5833	-23.0025	20.13	0.87	0.50	25.13	4.00
1470689953	65.4704	-23.7916	21.62	0.62	0.39	25.42	2.29
1469995176	65.6706	-23.2997	20.61	0.84	0.47	25.08	3.13
1473619471	65.6790	-23.3992	19.40	0.83	0.63	24.10	3.48
1476840326	65.3488	-25.1517	21.43	0.71	0.30	25.23	2.29
1476810701	65.6588	-24.8236	18.22	0.87	0.61	24.23	6.37
1476805740	65.7814	-24.7495	23.93	0.94	0.46	25.20	0.71
1471380529	65.1844	-28.6781	20.03	0.65	0.50	24.72	3.46
1471458673	65.3837	-18.3214	19.12	0.62	0.55	24.25	4.24
1471514229	65.4718	-18.8773	20.25	0.81	0.49	24.91	3.41
1471463172	65.4965	-18.3534	19.52	0.50	0.68	24.46	3.88
1471452540	65.8215	-18.2503	19.07	0.73	0.52	24.01	3.88

1471579078	65.7457	-26.5371	20.39	0.94	0.54	24.99	3.31
1471999543	65.9708	-29.7983	18.65	0.66	0.55	24.34	5.47
1475366727	66.4186	-20.3112	19.50	0.66	0.57	24.66	4.30
1474880239	66.3836	-20.8745	20.05	0.71	0.36	24.54	3.15
1474071857	65.6901	-21.1809	20.68	0.93	-0.11	24.75	2.59
1474059721	65.7180	-21.0546	20.10	0.84	0.42	24.54	3.08
1474108560	65.8048	-21.5441	20.64	0.57	0.34	24.75	2.64
1473612333	65.8115	-23.3265	18.50	0.84	0.54	24.05	5.13
1473642579	65.8679	-23.6431	21.13	0.49	0.56	25.08	2.46
1473603308	66.0538	-23.2146	19.56	0.65	0.43	24.22	3.41
1474504985	65.9203	-24.0006	20.63	0.88	0.55	24.64	2.53
1475735122	66.2516	-28.7628	22.11	0.67	0.15	24.29	1.09
1474807400	66.3740	-28.6028	19.68	0.85	0.53	24.55	3.76
1475500848	66.1267	-17.8569	18.99	0.60	0.72	24.19	4.38
1476016949	66.5752	-18.2075	19.15	0.70	0.41	24.06	3.83
1475854598	65.9776	-25.6474	19.71	0.56	0.53	24.76	4.09
1475836087	66.1055	-25.4333	19.49	0.54	0.60	24.85	4.71
1475843592	66.5160	-25.5115	20.19	0.89	0.70	24.71	3.19
1476355322	66.5440	-29.2684	19.17	0.78	0.61	24.03	3.75
1477469511	66.8767	-29.8787	19.78	0.94	0.46	24.04	2.84
1477460875	66.9748	-29.8104	20.89	0.72	0.48	25.38	3.15
1479384437	67.1628	-20.1221	20.18	0.87	0.45	24.64	3.12
1478651738	67.1215	-20.8646	19.01	0.79	0.50	24.54	5.09
1478708959	66.6897	-24.2800	20.15	0.81	0.50	24.75	3.32
1478993571	66.9481	-24.5374	19.56	0.40	0.75	24.62	4.10
1478689238	67.1616	-24.0743	19.07	0.76	0.41	24.36	4.57
1478701245	67.2485	-24.2001	19.32	0.87	0.62	24.19	3.76
1479633231	66.8182	-24.8940	19.99	0.61	0.57	24.89	3.81
1477789170	66.5029	-28.0196	20.96	0.78	0.67	25.94	3.95
1477740453	66.5632	-27.5272	20.38	0.95	0.41	24.90	3.20
1477767592	66.8972	-27.8065	19.93	0.73	0.58	24.24	2.90
1479256911	67.2770	-28.2374	20.22	0.92	0.55	24.54	2.92
1479273992	67.3623	-28.4222	19.82	0.85	1.08	24.38	3.26
1480246918	67.1035	-17.6932	19.77	0.79	0.83	25.63	5.93
1480598475	66.7683	-18.6642	20.46	0.65	0.43	24.96	3.16
1481338569	67.1312	-26.3910	18.30	0.86	0.41	24.06	5.67
1481491983	66.9799	-29.5444	17.07	0.79	0.52	24.58	12.69
1481478723	67.0273	-29.3648	20.18	0.64	0.36	24.42	2.81
1481493359	67.4028	-29.5231	19.72	0.87	0.63	24.49	3.59
1481494882	67.5391	-29.5426	20.91	0.78	1.01	25.34	3.06
1482081302	67.0980	-26.8475	20.61	0.72	0.40	24.86	2.82
1482081710	67.4065	-26.8492	19.78	0.77	0.48	24.69	3.84
1482128127	67.5732	-27.2944	20.43	0.66	0.46	24.07	2.14
1482140593	67.6268	-27.4274	19.14	0.97	0.41	24.05	3.83
1482684958	67.7541	-29.9320	20.72	0.74	0.77	25.00	2.87
1483155285	67.3629	-20.2477	19.26	0.89	0.43	24.16	3.81
1483152229	67.9002	-20.2130	20.23	0.82	0.58	24.15	2.43
1483333158	67.9298	-21.1074	20.10	0.73	0.46	24.15	2.56
1482998541	67.4139	-23.9232	20.40	0.87	0.59	24.76	2.96
1483518138	67.5769	-18.7002	20.34	0.89	0.32	24.30	2.48
1490140217	67.4840	-24.8015	19.69	0.76	0.43	24.40	3.50

1490443333	67.6374	-25.2215	18.39	0.76	0.43	24.17	5.72
1490454238	67.7871	-25.3146	19.63	0.92	0.60	24.06	3.07
1490413385	67.9179	-24.9252	20.35	0.85	0.55	24.62	2.85
1484599084	67.9137	-25.5403	17.42	0.89	0.59	24.25	9.27
1484084761	67.9002	-28.6800	19.65	0.85	0.49	24.51	3.75
1485338766	67.8137	-26.2612	19.40	0.82	0.63	24.59	4.36
1485090205	67.8130	-29.5880	19.00	0.77	0.58	24.23	4.45
1484932969	68.1857	-29.2954	20.53	0.72	0.45	24.56	2.55
1487925137	68.5430	-20.2384	19.92	0.80	0.31	24.25	2.93
1487899742	68.6560	-19.9520	19.13	0.54	0.36	24.38	4.48
1487424528	68.2479	-21.7137	18.71	0.54	0.49	24.07	4.71
1486717174	68.3431	-21.9738	19.99	0.78	0.59	24.66	3.43
1486698683	68.5127	-21.7980	20.54	0.71	0.42	24.82	2.86
1486737183	68.5971	-22.1595	20.47	0.60	0.43	24.82	2.96
1487683060	68.5730	-23.6879	21.95	0.62	0.47	25.33	1.89
1487153370	68.6458	-23.5941	18.71	0.74	0.57	24.35	5.34
1487110402	68.5186	-24.5946	19.87	0.87	0.48	24.87	4.00
1486014161	67.9240	-29.8453	20.28	0.99	0.82	25.94	5.39
1486018833	68.0724	-29.8864	20.28	0.95	0.78	25.43	4.26
1488243054	68.6519	-25.0867	20.50	0.76	0.07	24.69	2.76
1489122661	68.8580	-25.5747	20.21	0.94	0.45	24.20	2.51
1487990785	68.4561	-28.2273	19.44	0.89	0.31	24.23	3.62
1488021794	68.5168	-28.5746	19.40	0.64	0.63	24.61	4.39
1488019593	68.6506	-28.5447	19.59	0.46	0.60	24.44	3.73
1488028709	68.6710	-28.6371	20.36	0.56	0.34	24.46	2.63
1489664246	69.0564	-29.1627	17.63	0.75	0.61	24.18	8.14
1489687965	69.2180	-29.3959	20.00	0.95	0.31	24.89	3.79
1493857941	69.2396	-29.5032	20.70	0.72	0.10	25.36	3.41
1490718156	68.9616	-20.7907	19.71	0.89	0.44	24.28	3.27
1490686579	69.1069	-20.4284	20.74	0.61	0.41	24.75	2.52
1490715936	69.3833	-20.7648	20.18	0.96	0.38	24.40	2.79
1696425736	69.1483	-22.3951	18.95	0.79	0.47	24.40	4.91
1696302684	69.0189	-22.8194	18.60	0.72	0.55	24.16	5.16
1490075136	68.9127	-29.8693	20.86	0.97	0.79	25.23	2.98
1490074037	69.4517	-29.8911	17.88	0.77	0.54	24.50	8.38
1492021177	69.3955	-18.4841	19.88	0.77	0.57	24.01	2.67
1492128350	69.5129	-19.0855	20.01	1.00	0.59	24.63	3.34
1493800707	69.7348	-28.9012	20.46	0.87	0.68	24.93	3.13
1493207808	69.6684	-26.0842	21.48	0.91	0.40	25.24	2.25
1493832629	69.6238	-29.2323	19.17	0.74	0.60	24.25	4.13
1493849088	69.7110	-29.4070	19.82	0.58	0.80	24.72	3.81
1494739580	69.7953	-20.6281	19.77	0.63	0.61	24.00	2.80
1696160502	69.7073	-21.3384	19.51	0.70	0.69	24.09	3.30
1696149268	69.8990	-21.2067	21.67	0.80	0.69	25.70	2.55
1696972656	69.8683	-21.9608	20.20	0.82	0.37	24.99	3.62
1697123307	69.9062	-22.1900	20.26	0.74	0.28	24.70	3.09
1696965898	69.9225	-21.8803	21.36	0.62	0.95	25.29	2.44
1697113253	70.1407	-22.0844	18.79	0.80	0.64	24.24	4.90
1695892169	69.6025	-22.7348	20.64	0.93	0.61	24.94	2.89
1695903276	69.7423	-22.8760	18.46	0.85	0.63	24.08	5.31
1695912577	69.8279	-22.9562	19.86	0.74	0.47	24.23	2.99

1695875296	70.1543	-22.5506	19.49	0.54	0.54	24.65	4.29
1495608725	70.0374	-23.5506	19.23	0.43	0.49	24.31	4.14
1496149425	70.2262	-23.7773	19.42	0.56	0.55	24.32	3.81
1494634934	69.5166	-27.4099	18.42	0.60	0.50	24.19	5.68
1494633488	69.8943	-27.3904	19.11	0.69	0.53	24.21	4.18
1495508803	70.3654	-27.5024	19.97	0.62	0.52	24.27	2.89
1496563559	70.5888	-18.0792	20.03	0.89	0.36	24.23	2.75
1496169294	69.9222	-18.9706	19.58	0.97	0.52	24.47	3.81
1496221536	70.1337	-19.5314	19.66	0.85	0.36	24.61	3.91
1496417217	69.7952	-24.5266	19.83	0.83	0.49	24.28	3.09
1496238093	70.2602	-23.9809	20.35	0.74	0.32	24.79	3.08
1497258774	70.4017	-25.3105	18.92	0.86	0.65	24.07	4.28
1497220222	70.4584	-24.9299	18.64	0.70	0.29	24.68	6.42
1498298588	70.2686	-25.8232	19.86	0.84	0.46	24.26	3.02
1500162742	70.3790	-26.7589	19.83	0.73	0.41	24.35	3.20
1498057828	70.5936	-26.6846	18.76	0.83	0.46	24.09	4.63
1500533256	70.4424	-19.9004	18.45	0.85	0.69	24.08	5.32
1500560359	70.5966	-20.1727	21.38	0.63	0.79	26.09	3.49
1500534585	70.6330	-19.9328	17.69	0.63	0.56	24.07	7.53
1500534324	70.8233	-19.9007	20.36	0.81	0.59	24.60	2.82
1499966028	70.6316	-20.4680	21.47	0.57	0.89	26.28	3.66
1499986878	70.6407	-20.6872	20.58	0.81	0.59	24.80	2.79
1500001216	70.7820	-20.8407	18.99	0.92	0.51	24.13	4.26
1696798289	70.7344	-21.4528	18.84	0.57	0.47	24.08	4.44
1696780045	71.0049	-21.2377	19.43	0.94	0.63	24.20	3.60
1696813540	71.0177	-21.6239	19.20	0.93	0.39	24.18	3.95
1695811699	70.6948	-21.8323	18.51	0.37	0.60	24.08	5.19
1695865080	70.7296	-22.4354	19.51	0.72	0.62	24.14	3.37
1695292660	70.5869	-22.9812	20.25	0.64	0.35	24.80	3.24
1500346630	70.8715	-27.3073	19.49	0.90	0.64	24.37	3.79
1499636487	70.8650	-29.9693	19.12	0.41	0.61	24.60	4.97
1697096599	70.9139	-18.8648	18.81	0.66	0.45	24.03	4.42
1500213507	70.4795	-19.4474	18.35	0.83	0.46	24.87	8.03
1500207902	71.0961	-19.3887	17.96	0.97	0.42	24.14	6.88
1501287461	70.9670	-24.8117	19.73	0.64	0.58	24.59	3.75
1501817985	70.8362	-26.0249	20.58	0.60	0.31	24.95	2.99
1502467585	70.8520	-26.6311	19.69	0.65	0.66	24.27	3.29
1502455214	71.2772	-26.5022	20.04	0.95	0.49	24.27	2.80
1501638553	70.9035	-28.5720	20.89	0.76	0.31	25.17	2.86
1501666701	71.3479	-28.8412	20.17	0.80	0.50	24.35	2.74
1504323231	71.5185	-20.1323	19.31	0.63	0.39	25.58	7.16
1504338102	71.7972	-20.2430	21.14	0.84	0.44	25.19	2.58
1504003491	71.1424	-20.3363	20.09	0.61	0.54	24.61	3.20
1504016013	71.3287	-20.4662	21.25	0.80	0.64	24.94	2.19
1504056182	71.7141	-20.8837	21.64	0.60	0.48	25.31	2.16
1504032268	71.7150	-20.6284	22.17	0.77	0.69	25.97	2.30
1503834016	71.1806	-21.6143	20.66	0.80	0.39	24.91	2.83
1503810672	71.2786	-21.3766	19.02	0.53	0.62	24.25	4.44
1503942559	71.2171	-21.8605	19.43	0.54	0.44	25.55	6.70
1503967113	71.4609	-22.0898	20.47	0.80	0.62	25.36	3.79
1503948752	71.4812	-21.9142	19.71	0.67	0.36	24.72	4.00

1504077189	71.5220	-22.5144	20.49	0.73	0.69	24.95	3.11
1504087737	71.5346	-22.6378	19.34	0.69	0.50	24.21	3.77
1504095793	71.5515	-22.7321	18.69	0.84	0.58	24.62	6.13
1503691062	71.0028	-27.1433	20.30	0.71	0.56	25.08	3.61
1503658136	71.7186	-26.7971	20.16	0.52	0.26	24.77	3.33
1503745493	71.8612	-17.8091	18.39	0.83	0.66	24.06	5.45
1503733278	71.9803	-17.6264	19.32	0.86	0.49	24.21	3.79
1504512782	71.5344	-19.4772	19.92	0.97	0.58	24.46	3.24
1504485597	71.5624	-19.1947	19.92	0.75	0.50	24.48	3.25
1505312252	71.8794	-23.2823	19.37	0.86	0.24	24.13	3.58
1504821735	71.6743	-23.9000	19.82	0.81	0.43	24.69	3.77
1505682264	71.9187	-24.9750	18.81	0.85	0.67	24.10	4.57
1505118634	71.5967	-29.8874	19.26	0.76	0.70	24.62	4.70
1505942997	72.2101	-25.6912	18.99	0.81	0.41	24.20	4.39
1508000602	72.2402	-20.0996	20.72	0.69	0.54	25.15	3.08
1507974095	72.3165	-19.8691	18.61	0.74	0.63	24.64	6.41
1508010422	72.3268	-20.1991	19.21	0.70	0.40	24.19	3.94
1508006365	72.5037	-20.1608	19.26	0.80	0.55	24.15	3.80
1507648921	72.0100	-20.6558	21.23	0.68	0.90	26.27	4.06
1507632867	72.0515	-20.5086	21.02	0.92	1.02	25.99	3.93
1508022530	72.1731	-20.3221	19.00	0.61	0.59	24.80	5.78
1506598239	72.5362	-21.3006	20.65	0.88	0.44	24.75	2.64
1506340747	71.6418	-26.3972	19.27	0.47	0.71	26.02	8.93
1506846009	72.2115	-26.7601	21.21	0.85	0.34	24.52	1.83
1506331539	72.2528	-26.2749	20.29	0.81	0.50	24.25	2.48
1507432765	72.3994	-29.3535	18.35	0.57	0.46	24.16	5.80
1507432294	72.4305	-29.3625	17.93	0.91	0.61	24.24	7.30
1507842139	72.4400	-29.5317	20.00	0.71	0.54	24.59	3.31
1506731563	72.6920	-17.7757	18.90	0.73	0.40	24.06	4.28
1508103161	72.2464	-19.3322	19.27	0.72	0.77	24.56	4.55
1508102771	72.3611	-19.3175	20.33	0.83	0.63	24.37	2.56
1507929777	72.5139	-18.9081	19.17	0.80	0.58	24.08	3.82
1507937752	72.6391	-18.9867	19.79	0.92	0.67	24.29	3.17
1508583697	72.1466	-23.6059	19.07	0.64	0.50	24.24	4.31
1508594694	72.6417	-23.7023	20.36	0.69	0.23	25.03	3.43
1509263853	72.7673	-24.5990	20.77	0.47	0.55	25.55	3.60
1509196457	72.7419	-29.8392	19.15	0.71	0.53	24.30	4.29
1509628252	72.9185	-25.5684	20.33	0.80	0.65	24.65	2.91
1510124152	72.6431	-28.8482	20.03	0.63	0.66	25.11	4.13
1510088292	72.6965	-28.4835	18.86	0.52	0.48	24.33	4.95
1510116814	72.7413	-28.7767	19.78	0.96	0.31	24.32	3.24
1516096803	73.3763	-19.6489	18.98	0.78	0.56	24.33	4.69
1511916484	72.7698	-20.6575	21.67	0.82	0.88	26.58	3.82
1511942899	72.8820	-20.9238	21.42	0.85	0.57	25.55	2.67
1511486226	72.9362	-21.1151	20.98	0.77	0.28	25.01	2.55
1511511771	73.2398	-21.3788	19.66	0.67	0.54	24.34	3.45
1511000307	72.7122	-21.9155	20.89	0.97	0.36	24.82	2.45
1510788909	72.9050	-26.0464	19.55	0.58	0.38	24.14	3.30
1511262162	72.9995	-18.0400	20.30	0.65	0.83	25.18	3.77
1511224894	73.2108	-17.5642	19.06	0.80	0.59	24.19	4.24
1511233107	73.3497	-17.6846	19.26	0.53	0.83	25.66	7.60

1511242544	73.4148	-17.8082	18.77	0.87	1.04	24.41	5.36
1511248299	73.4223	-17.8773	18.62	0.76	0.64	24.07	4.92
1511235080	73.5104	-17.6984	20.59	0.72	0.92	25.87	4.54
1511988711	72.8088	-18.5269	19.01	0.85	0.62	24.47	4.93
1511972373	73.0545	-18.3507	20.76	0.56	0.40	25.11	2.96
1511989681	73.3484	-18.5451	19.18	0.52	0.75	24.69	5.04
1511964872	73.4271	-18.2797	20.32	0.86	0.98	24.85	3.21
1512314003	72.7493	-19.0559	19.24	0.39	0.55	24.64	4.79
1512317410	72.8266	-19.0823	20.12	0.73	0.44	24.13	2.53
1512309709	73.2998	-19.0009	20.56	0.77	0.82	25.73	4.30
1512328076	73.4185	-19.1836	20.11	0.83	0.75	24.56	3.11
1512764004	72.7208	-23.3836	20.01	0.86	0.25	24.84	3.68
1512908638	73.2299	-23.5376	21.10	0.61	0.68	25.31	2.78
1513607450	73.3797	-24.4380	19.69	0.97	0.42	24.53	3.71
1513673114	72.9879	-27.9351	20.77	0.70	0.48	25.36	3.31
1513761185	73.3327	-25.8175	19.88	0.74	0.42	24.33	3.09
1513723486	73.5067	-25.4374	18.67	0.51	0.57	24.78	6.67
1514924378	73.4873	-28.8794	20.57	0.90	0.53	24.94	2.98
1515572792	73.6743	-20.5887	19.96	0.76	0.53	24.54	3.29
1515894447	73.8391	-20.8991	19.66	0.54	0.86	25.20	5.11
1515561355	73.8417	-20.5258	21.58	0.80	0.47	26.01	3.06
1515904346	73.8472	-20.9159	21.60	0.71	0.78	26.31	3.49
1515658936	73.3860	-21.4709	20.59	0.56	0.55	25.25	3.42
1514711755	74.0746	-21.0906	19.21	0.91	0.60	24.56	4.69
1515810123	73.3812	-22.2769	18.91	0.33	0.52	25.20	7.25
1515814271	73.6462	-22.2925	21.15	0.76	0.51	25.12	2.48
1515692970	73.3616	-26.0748	19.56	0.88	0.32	24.32	3.57
1516356973	73.8323	-28.9939	20.19	0.80	0.50	24.83	3.38
1516811670	73.9607	-29.5770	20.04	0.70	0.38	24.11	2.60
1516298889	73.9588	-17.6192	19.45	0.91	0.77	24.47	4.01
1516315303	74.2077	-17.8365	20.96	0.85	0.04	24.91	2.45
1516303246	74.2349	-17.6894	18.89	0.92	0.76	24.09	4.37
1516311075	74.3134	-17.7870	20.23	0.94	0.50	24.82	3.30
1516248240	73.8366	-18.1991	21.12	0.81	0.77	25.33	2.77
1516694246	73.8589	-18.8294	18.45	0.71	0.62	25.01	8.17
1516252249	73.9060	-18.2492	19.65	0.83	1.06	24.81	4.29
1516673803	73.9103	-18.5951	20.43	0.85	0.66	26.00	5.19
1516273230	74.0101	-18.4723	20.65	0.87	0.85	25.17	3.20
1516271944	74.0622	-18.4582	20.18	0.87	0.89	25.04	3.72
1516275864	74.0668	-18.5023	20.57	0.92	0.76	24.82	2.82
1516676837	74.1604	-18.6365	18.95	0.74	0.64	24.03	4.15
1516689608	74.2196	-18.7723	20.07	0.79	0.37	24.48	3.05
1517378372	73.4591	-19.0156	20.54	0.85	0.44	24.89	2.95
1517411294	73.7488	-19.3692	20.02	0.80	0.48	24.81	3.61
1517383867	73.9539	-19.0796	18.97	0.91	0.55	24.10	4.23
1516098594	73.5429	-19.6622	20.52	0.72	0.60	24.41	2.39
1516148663	73.6199	-20.1245	21.61	0.58	0.34	25.72	2.65
1516125859	73.6239	-19.9051	22.03	0.54	0.52	25.62	2.09
1516132972	74.0469	-19.9765	21.12	0.74	0.48	25.42	2.90
1516000356	73.5113	-23.1228	18.77	0.86	0.59	24.74	6.23
1516975056	73.7273	-23.2044	19.27	0.64	0.48	24.12	3.72

1516981075	73.8000	-23.2581	18.92	0.88	0.62	24.16	4.44
1517018601	73.9480	-23.6794	20.79	0.88	0.61	25.27	3.13
1517769412	74.0771	-24.5341	20.65	0.73	0.61	24.72	2.60
1515864791	74.1042	-27.0986	20.17	0.63	0.48	24.43	2.83
1518046157	74.2842	-25.1249	19.92	0.63	0.59	24.55	3.36
1518675401	74.3507	-25.4720	20.42	0.50	0.46	24.77	2.96
1518706210	74.4579	-25.8048	19.31	0.79	0.47	24.31	3.98
1517284558	74.0772	-28.0180	19.43	0.55	0.53	24.27	3.70
1517924478	73.8780	-29.6883	19.41	0.61	0.85	24.66	4.47
1519292759	74.1343	-20.3480	19.51	0.57	0.91	24.53	4.03
1519353062	74.2081	-20.9340	19.78	0.64	0.60	24.55	3.58
1519296909	74.5189	-20.3772	20.13	0.74	0.41	24.61	3.14
1519311383	74.5526	-20.5173	21.09	0.75	0.60	24.95	2.36
1519293362	74.6164	-20.3313	20.08	0.73	0.50	24.64	3.25
1519331546	74.7298	-20.7130	19.20	0.79	0.69	24.04	3.70
1519342019	74.8222	-20.8193	20.52	0.70	0.46	25.15	3.36
1519685856	74.2287	-21.6917	21.48	0.81	0.60	25.38	2.40
1519686508	74.3139	-21.7044	20.02	0.84	0.58	24.42	3.02
1519666779	74.3625	-21.4927	19.50	0.73	0.57	24.88	4.76
1519381659	74.4347	-21.2229	20.44	0.75	0.43	25.29	3.73
1519686925	74.5744	-21.7103	20.34	0.87	0.94	25.38	4.08
1519683803	74.7231	-21.6763	19.41	0.61	0.16	24.14	3.52
1518811916	74.5388	-26.2135	17.56	0.61	0.57	24.23	8.60
1519110882	74.0980	-28.6122	18.14	0.87	0.55	24.26	6.68
1519099394	74.1140	-28.4752	19.61	0.81	0.64	24.34	3.53
1519095123	74.2101	-28.4391	19.82	0.66	0.43	24.54	3.50
1519807905	74.3911	-18.0714	19.65	0.67	0.70	24.74	4.16
1520205737	74.6529	-18.8326	20.28	0.63	0.47	24.64	2.97
1519921049	74.6704	-18.5614	20.41	0.65	0.87	25.32	3.83
1520183692	74.8727	-18.6004	18.53	0.91	0.51	24.09	5.16
1520404110	74.2386	-19.2452	19.93	0.84	0.56	24.41	3.15
1520426099	74.5454	-19.5095	18.54	0.66	0.63	24.34	5.75
1520376404	74.6087	-18.9255	20.71	0.71	0.28	24.56	2.35
1520336665	74.8471	-19.9955	19.06	0.82	0.19	24.43	4.74
1519984984	74.3390	-21.9178	20.87	0.53	0.50	25.22	2.96
1520016664	74.4591	-22.2514	19.21	0.60	0.38	24.34	4.24
1519986395	74.4951	-21.9309	19.93	0.84	0.40	24.88	3.91
1520026508	74.6578	-22.3563	19.45	0.56	0.30	24.88	4.87
1519973579	74.8070	-21.7961	21.20	0.41	0.30	25.07	2.36
1520034861	74.8873	-22.4465	19.73	0.86	0.61	24.99	4.50
1520616090	74.4430	-22.9376	18.76	0.85	0.52	24.06	4.56
1520624004	74.8489	-23.0260	19.17	0.46	0.57	24.41	4.45
1520573752	74.8742	-22.5135	18.75	0.66	0.42	24.06	4.61
1520607747	74.9000	-22.8527	19.16	0.88	0.61	24.11	3.90
1521032942	74.3911	-23.2593	19.48	0.92	0.61	24.55	4.13
1521086277	74.4850	-23.8337	19.48	0.87	0.71	24.85	4.72
1521053791	74.7407	-23.4846	19.88	0.71	0.34	24.54	3.42
1521946817	74.8720	-24.2327	19.93	0.69	0.31	25.35	4.85
1520758513	74.2683	-26.8337	20.67	0.80	0.38	24.89	2.79
1520787109	74.2947	-27.1331	21.13	0.65	0.29	25.45	2.92
1520806576	74.4945	-27.3315	21.28	0.59	0.46	26.57	4.57

1520262233	74.1696	-29.3696	19.54	0.86	0.58	24.20	3.42
1522464016	74.8947	-24.9188	20.00	0.92	0.58	24.45	3.11
1522444828	74.9366	-24.7090	20.10	0.60	0.53	24.40	2.88
1522499092	75.2265	-25.2986	20.54	0.62	0.65	24.77	2.80
1522159638	74.6334	-27.9520	19.99	0.87	0.56	24.36	2.99
1522159716	74.7690	-27.9482	20.58	0.55	0.27	25.57	3.97
1522146074	74.8072	-27.8073	20.15	0.49	0.40	25.01	3.75
1522169457	74.9368	-28.0589	20.32	0.85	0.48	24.47	2.69
1522036134	75.1388	-29.6876	18.53	0.55	0.31	25.42	9.55
1523614765	75.1870	-20.4289	18.75	0.39	0.70	24.01	4.48
1523655867	75.4920	-20.8472	19.50	0.71	0.57	24.38	3.78
1522752774	75.2787	-25.4271	20.70	0.82	0.47	24.66	2.47
1523045300	75.3456	-25.7907	18.96	0.94	0.51	24.53	5.18
1529529979	75.2677	-26.5367	20.52	0.71	0.43	24.24	2.21
1522911266	75.2351	-28.5827	20.43	0.68	0.56	25.13	3.47
1522513813	75.2958	-17.7387	18.65	0.68	0.77	24.37	5.57
1522522225	75.5402	-17.8830	20.39	0.84	0.60	24.58	2.75
1523481954	75.1664	-18.2911	19.90	0.81	0.63	24.23	2.93
1523509547	75.6227	-18.6266	19.94	0.71	0.52	24.41	3.14
1523706950	75.0294	-19.3024	18.95	0.93	0.56	24.47	5.08
1523699290	75.2764	-19.2196	20.78	0.65	0.80	25.17	3.02
1523240995	75.1459	-19.9881	20.37	0.74	0.50	25.65	4.55
1523248002	75.5986	-20.0528	19.84	0.39	0.32	24.59	3.55
1522982035	75.2334	-21.4138	19.17	0.78	0.44	24.28	4.19
1522981191	75.2476	-21.3976	20.16	0.65	0.52	25.01	3.72
1523582960	75.3055	-22.2537	19.67	0.65	0.41	24.17	3.18
1523580365	75.4638	-22.2215	20.20	0.84	0.57	24.84	3.38
1523539216	75.6039	-21.8068	18.01	0.82	0.36	24.30	7.22
1523883414	75.1824	-22.4771	19.66	0.49	0.53	24.65	3.97
1523912473	75.2451	-22.7724	21.94	0.81	0.76	25.82	2.38
1523927458	75.3640	-22.9330	20.73	0.62	0.95	25.47	3.53
1523911506	75.4289	-22.7840	18.81	0.71	0.69	24.03	4.40
1523889875	75.5211	-22.5476	19.60	0.73	0.57	24.65	4.08
1524654773	75.0395	-23.6505	19.63	0.88	0.53	24.42	3.61
1524629301	75.2882	-23.3733	21.16	0.66	0.37	25.30	2.69
1524619894	75.4464	-23.2752	21.15	0.69	0.39	25.43	2.87
1524658119	75.6133	-23.6771	21.84	0.57	0.98	25.74	2.41
1524663527	75.6671	-23.7394	20.27	0.89	0.57	24.61	2.94
1526254707	75.1797	-26.7906	19.93	0.85	0.53	24.35	3.05
1526263178	75.2257	-26.8800	19.84	0.69	0.32	24.72	3.78
1525337889	75.2594	-23.9804	20.64	0.87	0.87	25.45	3.66
1525358329	75.3994	-24.2053	20.22	0.62	0.61	24.56	2.94
1525335747	75.7650	-23.9634	18.90	0.80	0.60	24.21	4.61
1525337167	75.8165	-23.9737	20.77	0.61	1.02	25.35	3.29
1526443754	75.4174	-25.0265	20.16	0.85	1.05	25.64	4.97
1526439343	75.4395	-24.9803	20.38	0.79	0.86	25.31	3.86
1525875052	75.8076	-25.5764	19.58	0.87	0.36	24.02	3.08
1525863897	76.0389	-25.4717	19.81	0.94	0.52	24.69	3.78
1526902174	75.7257	-28.4215	20.28	0.89	0.58	24.68	3.03
1526620169	76.3149	-18.0700	19.47	0.69	0.61	24.47	4.00
1527253849	76.1725	-18.4336	19.68	0.64	0.56	24.96	4.54

1527250452	76.3427	-18.3915	21.62	0.87	0.68	25.98	2.97
1527263781	76.3850	-18.5387	21.40	0.78	0.66	25.55	2.70
1527389669	76.3248	-19.0220	20.19	0.75	0.41	24.50	2.90
1534044497	75.6893	-20.2659	20.01	0.49	0.74	24.99	3.96
1533996309	75.8681	-19.7797	19.99	0.68	0.50	25.63	5.36
1533998900	75.8787	-19.7987	21.20	0.73	0.27	24.91	2.20
1534020461	76.2544	-20.0309	18.81	0.68	0.47	24.72	6.08
1534038870	76.3465	-20.2077	19.04	0.50	0.54	24.36	4.61
1533988259	76.3727	-19.7039	20.77	0.67	0.11	24.41	2.13
1533642849	75.6827	-20.5196	19.43	0.52	0.59	24.38	3.91
1533652631	75.6975	-20.6180	20.61	0.75	0.27	24.79	2.74
1533626550	75.7155	-20.3413	21.49	0.73	0.84	26.36	3.75
1533650116	75.7805	-20.6060	18.83	0.78	0.51	24.08	4.49
1533687161	76.2991	-20.9808	19.52	0.73	0.51	24.22	3.47
1528341340	75.8105	-21.5154	20.10	0.82	0.50	24.49	3.00
1528322755	75.8123	-21.3228	23.40	0.73	0.32	25.08	0.86
1528312261	75.8709	-21.2108	20.27	0.78	0.70	24.56	2.88
1528361363	75.9018	-21.7318	19.84	0.91	0.52	24.19	2.95
1528321392	75.9476	-21.3131	20.11	0.85	0.36	24.30	2.75
1528330765	76.0801	-21.4218	18.56	0.48	0.51	24.04	4.97
1528117958	75.8409	-23.5354	19.07	0.82	0.77	24.13	4.11
1527838066	76.5484	-23.3106	20.12	0.79	0.48	24.97	3.73
1527705955	76.0594	-26.7807	18.57	0.60	0.47	24.21	5.34
1528162328	76.0939	-28.9752	20.37	0.53	0.84	25.72	4.68
1528162407	76.1241	-28.9698	20.82	0.87	0.83	25.58	3.58
1528205284	76.3080	-29.3990	20.04	0.82	0.61	24.62	3.28
1528157806	76.4797	-28.9198	20.84	0.65	0.52	26.35	5.04
1528831161	75.9540	-23.9226	21.44	0.92	1.06	25.16	2.21
1528869783	76.0121	-24.3128	20.57	0.65	0.76	25.77	4.37
1528857470	76.0558	-24.1887	20.00	0.76	0.56	24.20	2.77
1528877083	76.0755	-24.3892	20.09	0.73	0.72	24.31	2.78
1528874435	76.1641	-24.3677	19.59	0.76	0.58	24.46	3.75
1528877456	76.3782	-24.4106	18.16	0.90	0.40	24.05	6.01
1528879062	76.4820	-24.4101	19.87	0.59	0.50	24.05	2.73
1528890975	76.4923	-24.5284	20.57	0.85	0.61	25.42	3.72
1528893073	76.5303	-24.5473	20.58	0.72	0.29	25.11	3.22
1528819666	76.1547	-25.2424	20.33	0.72	0.42	24.69	2.97
1528784437	76.2088	-24.8839	20.63	0.78	0.94	25.94	4.59
1528781989	76.3549	-24.8701	18.95	0.57	0.41	24.26	4.60
1528781341	76.6690	-24.8516	20.53	0.48	0.18	24.85	2.92
1529052429	76.4741	-27.6662	19.95	0.79	0.52	24.18	2.80
1529098288	76.7453	-28.1174	20.57	0.55	0.29	24.70	2.67
1530559559	76.2457	-25.3416	19.34	0.91	0.48	24.07	3.53
1530604445	76.3074	-25.8020	20.82	0.78	0.45	24.96	2.68
1530627937	76.4379	-26.0312	21.50	0.72	0.08	24.56	1.64
1530609052	76.5614	-25.8535	20.27	0.71	0.40	24.62	2.95
1530613609	76.8122	-25.8906	21.91	0.96	0.81	26.60	3.45
1532952374	76.3256	-28.4599	20.13	0.75	0.31	24.73	3.33
1532954180	77.1074	-28.4687	21.12	0.82	0.78	25.48	2.96
1530843808	76.8612	-17.9757	21.08	0.71	0.88	25.52	3.09
1531357956	76.6113	-18.7860	19.88	0.65	0.40	24.44	3.26

1531327581	76.7380	-18.4656	19.54	0.89	0.50	24.69	4.27
1531494504	77.2080	-18.8515	20.40	0.55	0.54	25.64	4.47
1531329733	77.2341	-18.4853	21.04	0.76	0.28	25.19	2.70
1531324871	77.2662	-18.4569	18.97	0.84	0.60	24.58	5.27
1531513905	76.5431	-19.0302	18.17	0.66	0.20	24.24	6.52
1531519577	76.7268	-19.0836	19.70	0.87	0.73	24.38	3.44
1531544164	76.8535	-19.3682	19.32	0.96	0.62	24.24	3.84
1530416317	76.7117	-20.0611	18.76	0.95	0.53	24.51	5.64
1530402850	76.8157	-19.9028	20.95	0.71	0.86	25.71	3.58
1530428904	76.8172	-20.1746	20.67	0.59	0.40	24.85	2.73
1530673724	76.6157	-20.7959	19.47	0.56	0.37	24.46	3.97
1530659815	76.8737	-20.6511	21.50	0.87	0.35	24.96	1.96
1530647842	77.0176	-20.5249	21.71	0.94	0.77	25.72	2.53
1530643840	77.0888	-20.4812	21.12	0.80	0.38	25.28	2.71
1530716162	76.6531	-21.5330	21.79	0.76	0.88	26.04	2.82
1530303646	76.7474	-21.3028	20.35	0.83	0.71	24.75	3.03
1530286948	76.8397	-21.1222	20.40	0.82	0.30	24.99	3.31
1531169117	76.8635	-22.4900	20.06	0.64	0.50	25.01	3.88
1531192880	76.9790	-22.7231	20.33	0.83	0.31	24.62	2.87
1531188345	77.0606	-22.6801	19.67	0.69	0.42	24.34	3.43
1531189789	77.1006	-22.6930	20.04	0.65	0.35	24.42	2.99
1532215493	76.8086	-26.4124	21.67	0.53	0.22	25.10	1.93
1533233442	77.0445	-24.0275	20.72	0.74	0.48	25.30	3.29
1533393638	77.4932	-25.2312	21.31	0.75	0.22	25.78	3.12
1533341569	77.5473	-24.7119	18.73	0.96	0.53	24.01	4.54
1533304930	76.8289	-26.8932	19.21	0.69	0.67	24.05	3.70
1533611007	77.3831	-27.3471	18.94	0.60	0.54	24.25	4.59
1534314576	76.9252	-29.0774	20.74	0.51	0.41	25.27	3.22
1534493571	77.0190	-29.5738	21.07	0.96	0.37	24.76	2.18
1535080261	77.3443	-25.8403	19.77	0.78	0.45	24.10	2.93
1536002490	77.5348	-17.5027	20.09	0.56	0.44	24.33	2.81
1535977000	77.5447	-18.6763	20.00	0.68	0.44	24.76	3.57
1535948642	77.8704	-18.3830	19.34	0.50	0.47	24.38	4.07
1535898535	77.2921	-19.2605	19.69	0.52	0.41	24.16	3.13
1535872180	77.4538	-18.9904	19.26	0.45	0.47	24.14	3.76
1535902593	77.6289	-19.3085	21.22	0.75	0.93	25.73	3.18
1535920326	77.6743	-19.5196	19.31	0.75	0.49	24.22	3.83
1535517699	77.3400	-19.9138	20.72	0.42	1.04	25.83	4.20
1535494377	77.3454	-19.6500	20.23	0.65	0.58	25.12	3.78
1536065558	77.4101	-20.2141	19.24	0.91	0.71	25.47	7.04
1536053415	77.4182	-20.0700	20.58	0.60	0.72	25.94	4.70
1535522709	77.5097	-19.9582	19.16	0.43	0.58	24.12	3.91
1536075372	77.7229	-20.3072	19.90	0.81	0.46	24.65	3.56
1536282361	77.2523	-20.5214	20.54	0.72	0.52	25.23	3.46
1536278539	77.3956	-20.5058	18.81	0.68	0.83	25.53	8.81
1536324529	77.5295	-20.9701	19.43	0.62	0.49	24.75	4.62
1536619810	77.4324	-21.1209	20.20	0.70	0.31	24.85	3.39
1536643991	77.6996	-21.3771	19.27	0.80	0.57	24.31	4.07
1536417997	77.6922	-22.5171	20.08	0.80	0.56	24.39	2.90
1536864873	77.7936	-23.0863	20.25	0.93	0.48	24.60	2.96
1538997977	78.0868	-23.8077	21.31	0.86	0.25	25.29	2.50

1536393395	77.4774	-26.5801	20.14	0.71	0.24	24.72	3.29
1536393888	77.5708	-26.5893	19.56	0.69	0.48	24.57	4.01
1536385906	77.7102	-26.5206	19.72	0.83	0.29	24.42	3.47
1535447540	77.3606	-28.4794	20.50	0.90	0.46	24.64	2.68
1535424322	77.5387	-28.2457	19.61	0.62	0.43	24.66	4.08
1697335539	77.9324	-24.4927	18.25	0.74	0.58	24.22	6.25
1697317663	78.1491	-24.2889	19.18	0.68	0.64	24.05	3.77
1697300627	78.2558	-24.0961	22.06	0.78	0.30	25.48	1.93
1537999500	78.0473	-27.3730	19.27	0.82	0.40	24.06	3.63
1537331133	77.7141	-29.1091	17.73	0.90	0.54	24.10	7.52
1537320952	77.8734	-28.9690	20.32	0.66	0.38	24.72	3.02
1537325227	77.9083	-29.0168	21.02	0.69	0.69	25.64	3.34
1538233479	77.7184	-24.9580	20.77	0.74	0.67	25.63	3.74
1538516494	77.8006	-25.1894	22.89	0.95	0.25	25.33	1.23
1538235017	78.1926	-24.9853	18.35	0.82	0.61	24.35	6.33
1539609248	77.9510	-25.9087	21.50	0.77	0.47	25.85	2.95
1539591550	78.5281	-25.7489	18.60	0.83	0.29	24.11	5.03
1538920838	78.1275	-28.0456	19.04	0.68	0.43	24.03	3.96
1538486348	78.3128	-27.6021	21.45	0.69	0.57	25.72	2.85
1538631633	78.1325	-29.9017	19.71	0.74	0.48	24.83	4.22
1538048858	78.7940	-18.0786	20.12	0.93	0.54	24.82	3.48
1538857174	78.4101	-18.7927	19.85	0.82	0.74	24.38	3.22
1539236901	78.0678	-19.2718	20.34	0.76	0.59	24.94	3.33
1539216657	78.1567	-19.0615	20.35	0.80	0.43	24.77	3.06
1539218651	78.5571	-19.0758	19.82	0.85	0.42	24.60	3.60
1540508523	78.0133	-21.8125	19.75	0.66	0.45	24.02	2.84
1540571727	78.0565	-22.4629	19.94	0.78	0.52	24.71	3.59
1540510202	78.0942	-21.8252	22.56	0.58	0.21	26.16	2.10
1540545515	78.3572	-22.1892	21.40	0.81	0.34	25.40	2.52
1540551363	78.4799	-22.2723	19.18	0.83	0.61	24.01	3.69
1540248137	78.1307	-22.6699	18.46	0.70	0.67	24.04	5.20
1539474058	78.2067	-28.8722	19.49	0.78	0.45	24.11	3.35
1539439126	78.4326	-28.5306	18.69	0.72	0.51	24.65	6.20
1539444824	78.6991	-28.5829	18.97	0.76	0.46	24.08	4.20
1539432279	78.7160	-28.4329	19.58	0.81	0.52	24.29	3.50
1541192940	78.6551	-23.4736	20.34	0.63	0.27	24.48	2.69
1541228974	78.7021	-23.8359	21.08	0.72	0.96	25.19	2.65
1541175518	78.8127	-23.2849	20.88	0.63	0.55	25.00	2.66
1541654093	78.3026	-23.9880	17.95	0.93	0.52	24.19	7.07
1541671426	78.3280	-24.1493	19.69	0.47	0.61	24.63	3.89
1541664212	78.9948	-24.0753	20.00	0.57	0.49	24.71	3.48
1542163535	78.2613	-26.7918	19.82	0.78	0.49	24.62	3.64
1542180699	78.9622	-26.9710	18.68	0.89	0.40	24.01	4.64
1541479607	78.7310	-29.1023	20.33	0.66	0.59	24.89	3.25
1543684265	78.8938	-19.3743	18.69	0.90	0.52	24.33	5.34
1543677996	79.3270	-19.3067	18.54	0.78	0.36	24.43	6.02
1543546828	78.7325	-20.7082	20.31	0.84	0.30	24.70	3.02
1544928445	79.1104	-21.6502	19.15	0.87	0.42	24.36	4.40
1544321970	78.9061	-21.8062	19.73	0.82	0.68	24.63	3.82
1545366817	78.9656	-22.8191	19.51	0.81	0.51	24.78	4.52
1545398246	79.0174	-23.1388	18.65	0.74	0.64	24.27	5.29

1545376121	79.4818	-22.9067	21.55	0.66	0.37	25.68	2.68
1544637403	79.0856	-26.2517	20.28	0.40	0.51	24.66	3.00
1544553093	79.3466	-28.3536	19.44	0.71	0.59	24.11	3.44
1545727850	78.9881	-23.8494	20.41	0.38	0.56	25.26	3.72
1545690975	79.2027	-23.4754	19.06	0.76	0.43	24.20	4.26
1545729287	79.3725	-23.8703	19.67	0.64	0.49	24.24	3.26
1545715947	79.4588	-23.7238	19.51	0.70	0.60	24.42	3.83
1545950106	79.5322	-24.0001	19.33	0.72	0.52	24.03	3.47
1545996998	79.6994	-24.4864	20.08	0.69	0.50	24.09	2.52
1545998091	79.7257	-24.4951	21.11	0.46	0.88	27.13	6.39
1545059505	79.4483	-27.1460	18.82	0.70	0.51	24.55	5.58
1545086657	79.7166	-27.3822	20.79	0.97	0.40	24.71	2.43
1546070831	79.2045	-29.4853	19.98	0.65	0.55	24.54	3.26
1546576150	79.5427	-24.8144	18.62	0.79	0.39	24.15	5.11
1546778220	79.8585	-27.8792	20.11	0.81	0.21	24.40	2.88
1548038331	79.5832	-19.3061	19.41	0.93	0.42	24.39	3.95
1548026905	79.9718	-19.1661	20.65	0.95	0.50	24.45	2.30
1547878767	79.5091	-20.2342	18.92	0.57	0.38	24.68	5.64
1547346580	80.1092	-20.0866	19.58	0.89	0.56	24.39	3.66
1547914142	80.0784	-20.5799	20.21	0.92	0.53	24.41	2.76
1547949845	80.1190	-20.9509	19.65	0.84	0.53	24.20	3.25
1547940538	80.1806	-20.8569	20.06	0.68	0.41	24.06	2.51
1547814811	80.0420	-21.5354	19.51	0.69	0.63	24.26	3.55
1548678115	80.1010	-22.4776	19.95	0.70	0.52	24.78	3.69
1548678054	80.1567	-22.4712	19.73	0.83	0.54	24.78	4.08
1548722943	79.8372	-22.9131	19.58	0.88	0.48	24.19	3.35
1547444696	79.7015	-25.6682	20.40	0.87	0.67	24.68	2.86
1548491166	80.2450	-26.2232	18.34	0.70	0.36	24.35	6.34
1548791510	79.8892	-28.7526	21.07	0.91	0.83	25.85	3.59
1548354422	80.1972	-28.3134	19.28	0.54	0.33	25.34	6.50
1547565616	79.8795	-29.7596	20.02	0.89	0.46	24.14	2.66
1547581236	79.9175	-29.9159	20.84	0.79	0.56	25.16	2.92
1549350179	79.7058	-23.7114	20.05	0.87	0.58	24.51	3.11
1550129449	79.9683	-24.4264	20.02	0.77	0.41	24.15	2.66
1550126816	80.2370	-24.4035	19.60	0.73	0.34	24.67	4.11
1550093410	80.5481	-24.0520	21.24	0.82	0.48	24.87	2.13
1549637841	80.1677	-27.3514	21.11	0.68	0.44	25.12	2.54
1549610892	80.5425	-27.0832	21.09	0.79	0.40	24.88	2.28
1549614211	80.5890	-27.1216	19.91	0.50	0.46	24.33	3.06
1549781855	80.1144	-25.1536	21.19	0.79	0.69	25.24	2.57
1549738081	80.2820	-24.7151	18.96	0.83	0.27	24.33	4.73
1554013379	80.7681	-24.6647	19.68	0.67	0.55	24.05	2.99
1550236449	80.6520	-27.9357	19.21	0.66	0.62	24.29	4.15
1550257354	80.7661	-28.1321	19.67	0.92	0.62	24.23	3.26
1549237743	79.8895	-29.0241	21.48	0.83	0.86	25.54	2.59
1549245265	79.9074	-29.1227	18.60	0.78	0.51	24.09	5.00
1549287947	80.4564	-29.5096	21.29	0.59	0.29	25.02	2.22
1549254287	80.6649	-29.1833	20.52	0.97	0.74	24.80	2.87
1550436326	80.6941	-17.5933	20.18	0.78	0.58	24.78	3.31
1550867043	80.7911	-18.0860	20.14	0.75	0.51	24.51	2.99
1550429313	80.9556	-17.5021	19.49	0.62	0.41	24.28	3.62

1551684600	80.3681	-19.0203	21.35	0.48	0.34	25.74	3.01
1551731599	80.4555	-19.5317	19.11	0.61	0.49	24.10	3.98
1551034958	80.5953	-19.6615	19.82	0.86	0.38	24.39	3.28
1551085123	80.6287	-20.1664	21.94	0.91	0.66	25.75	2.31
1551076632	80.6605	-20.0864	19.96	0.49	0.53	24.70	3.54
1551516809	80.8554	-20.8724	20.03	0.77	0.66	24.82	3.63
1551520239	80.9707	-20.8996	20.21	0.90	0.81	24.25	2.57
1551742167	80.3900	-21.0539	22.22	0.79	0.37	25.36	1.69
1552887018	80.6176	-22.3717	19.08	0.86	0.65	24.00	3.84
1552892544	80.6230	-22.4273	19.64	0.82	0.58	24.46	3.67
1554793282	81.0138	-21.7533	19.65	0.77	0.30	24.48	3.68
1552852850	81.0204	-22.0227	21.37	0.77	0.48	25.52	2.69
1551845308	80.3053	-25.5349	21.64	0.70	0.73	26.43	3.63
1551873186	80.8655	-25.8084	20.73	0.93	0.59	24.98	2.83
1551641396	80.4890	-29.8895	20.34	0.67	0.78	24.70	2.97
1551618762	80.6318	-29.6648	20.97	0.65	0.43	25.39	3.06
1551642039	80.8460	-29.8950	19.51	0.65	0.51	24.35	3.70
1552728665	80.5221	-23.1033	19.43	0.91	0.57	24.36	3.87
1552695350	80.5334	-22.7719	20.41	0.83	0.74	24.98	3.27
1552689722	80.7604	-22.7072	20.88	0.72	0.44	24.64	2.25
1552734979	80.9548	-23.1686	19.76	0.76	0.45	24.04	2.85
1552026939	81.0256	-22.5776	20.40	0.83	0.74	24.51	2.65
1552028037	81.1140	-22.5845	22.03	0.92	0.56	25.42	1.90
1553380826	80.6289	-23.6847	19.78	0.79	0.48	24.44	3.40
1553379434	81.0377	-23.6637	19.92	0.97	0.21	24.81	3.80
1553343957	81.1594	-23.2873	20.06	0.88	0.32	24.08	2.53
1553567484	81.3358	-24.3748	19.07	0.96	0.56	24.33	4.50
1552819723	80.6298	-26.7003	19.60	0.75	0.47	24.57	3.93
1553827276	80.8217	-26.9836	19.00	0.90	0.87	24.00	3.99
1553846375	81.2277	-27.1805	19.79	0.61	0.80	25.95	6.82
1554189474	81.2155	-29.5438	20.76	0.74	0.36	24.83	2.61
1554143949	81.3257	-29.1002	21.32	0.79	0.35	24.30	1.57
1554190067	81.4364	-29.5707	18.93	0.77	0.69	24.42	5.00
1555076302	81.2489	-18.3312	20.39	0.51	0.36	24.62	2.80
1554758769	81.4942	-18.9330	19.88	0.78	0.55	24.17	2.88
1554610999	81.1777	-19.6808	20.66	0.61	0.32	24.76	2.64
1555040457	81.5391	-20.1149	18.69	0.84	0.63	24.76	6.51
1554343481	81.0330	-20.9593	20.12	0.67	0.18	24.42	2.90
1554330431	81.3095	-20.8256	18.82	0.82	0.59	24.10	4.55
1554321214	81.3581	-20.7047	21.63	0.91	0.46	25.87	2.82
1555846178	81.3244	-21.8853	18.46	0.73	0.58	24.46	6.33
1555879545	81.5826	-22.2566	18.45	0.78	0.57	24.04	5.24
1555358944	81.3741	-26.0082	19.35	0.75	0.45	24.13	3.62
1555292370	81.4633	-25.3839	18.55	0.84	0.55	24.39	5.89
1555308884	81.4927	-25.5370	18.65	0.60	0.52	24.67	6.39
1555301865	81.4934	-25.4626	19.58	0.78	0.51	24.25	3.44
1555305734	81.5683	-25.5022	19.46	0.78	0.47	24.12	3.42
1555293694	81.6053	-25.3870	19.62	0.85	0.73	24.43	3.65
1555669647	81.6775	-29.7593	20.32	0.73	0.66	24.67	2.96
1556527159	81.7243	-23.4786	20.79	0.89	0.52	24.91	2.67
1556403525	81.5743	-23.9524	21.76	0.84	0.63	25.97	2.77

1556435745	82.0688	-24.2841	20.02	0.75	0.56	24.49	3.12
1558441593	82.1498	-24.6434	16.89	0.53	0.64	24.47	13.09
1558492727	82.3219	-25.1857	19.32	0.34	0.40	25.29	6.25
1557505127	81.6360	-26.8129	19.80	0.80	0.48	24.11	2.90
1557526677	81.8196	-27.0426	19.33	0.77	0.45	24.31	3.95
1557521459	82.1200	-26.9713	21.33	0.83	0.63	25.26	2.43
1558830742	81.6018	-29.3138	20.00	0.94	0.58	24.73	3.53
1558808762	81.7480	-29.1231	19.08	0.80	0.52	24.39	4.58
1559163202	82.1672	-19.5828	19.22	0.73	0.80	24.15	3.88
1558751621	82.0148	-20.0099	20.76	0.55	0.47	24.75	2.50
1558747751	82.0231	-19.9742	19.56	0.95	0.61	24.32	3.58
1558724868	82.3503	-19.7299	21.80	0.80	0.65	25.58	2.28
1558769104	82.4474	-20.1952	20.42	0.64	0.66	24.45	2.55
1559095949	81.7951	-21.7440	20.63	0.81	0.58	24.84	2.77
1558650708	82.1764	-21.1612	22.09	0.73	0.79	26.04	2.45
1559320264	82.3710	-22.3629	20.70	0.66	0.50	24.77	2.60
1559017427	82.4238	-21.9334	19.11	0.92	0.60	24.05	3.88
1559475521	81.9816	-25.7917	19.19	0.80	0.57	24.61	4.84
1559564175	81.8415	-28.0719	21.13	0.77	0.24	24.89	2.25
1560149117	82.0990	-22.8299	21.82	0.94	0.32	25.51	2.18
1560129282	82.1148	-22.6366	20.03	0.83	0.51	24.29	2.83
1560784894	82.0727	-23.1908	20.19	0.87	0.57	24.43	2.81
1560788147	82.4461	-23.2146	20.13	0.92	0.58	24.38	2.83
1560806828	82.5837	-23.4104	20.09	0.53	0.51	25.20	4.19
1560437542	82.0597	-26.2773	18.98	0.57	0.51	24.35	4.73
1560483711	82.2858	-26.7405	20.23	0.59	0.17	24.97	3.54
1560479010	82.3904	-26.6952	18.94	0.81	0.43	24.26	4.63
1560441580	82.4394	-26.3063	19.79	0.93	0.67	24.41	3.35
1560450150	82.7481	-26.3956	20.16	0.83	0.67	24.56	3.02
1560684848	82.2427	-28.6720	17.15	0.76	0.65	24.27	10.59
1560649675	82.5708	-28.2971	19.80	0.90	0.41	24.14	2.94
1560676364	82.7855	-28.5639	20.37	0.71	0.24	26.13	5.66
1562750297	82.7367	-24.9259	19.20	0.87	0.48	24.02	3.68
1561653334	82.7886	-26.9039	19.38	0.84	0.87	24.47	4.15
1561366149	82.8181	-29.2447	20.99	0.85	0.37	24.80	2.31
1562558720	82.6573	-18.8030	21.49	0.67	0.18	25.37	2.38
1563019547	82.7091	-19.3641	19.98	0.85	0.61	24.49	3.18
1562432014	82.5202	-20.1123	20.04	0.82	0.58	24.29	2.83
1562967164	83.0792	-20.2882	18.57	0.55	0.63	24.16	5.23
1562484122	82.6055	-20.8844	18.85	0.90	0.39	24.48	5.34
1562869551	82.7692	-21.4141	18.67	0.96	0.56	24.01	4.66
1562851301	82.9234	-21.2242	19.83	0.93	0.43	24.12	2.88
1562887143	82.9424	-21.5805	19.89	0.78	0.67	24.90	4.01
1563481262	82.9687	-22.2867	20.30	0.65	0.44	24.51	2.77
1563162510	83.2157	-21.9751	21.65	0.51	0.88	26.28	3.36
1563140582	82.8664	-27.4902	20.41	0.90	0.66	25.04	3.36
1563548767	82.8110	-22.6069	21.10	0.63	0.84	25.38	2.86
1563819183	83.0125	-23.2569	21.39	0.78	0.73	25.30	2.42
1563835498	83.2463	-23.4351	19.26	0.98	0.81	25.40	6.73
1563845076	83.2684	-23.5167	21.61	0.86	0.66	25.88	2.85
1563853794	83.3309	-23.6099	19.58	0.88	0.45	24.28	3.47

1563834809	83.3404	-23.4163	21.62	0.48	0.67	25.83	2.77
1564139142	83.3696	-23.8736	21.29	0.78	0.59	25.46	2.72
1564137912	83.4088	-23.8638	19.95	0.84	0.76	24.36	3.03
1563830331	83.5161	-23.3728	19.86	0.91	0.68	24.36	3.16
1564820890	83.5066	-28.5128	19.69	0.90	0.61	25.25	5.16
1564794130	83.5737	-28.2455	17.65	0.72	0.46	24.10	7.78
1563392514	83.3939	-29.7521	20.51	0.46	0.38	24.48	2.48
1563388715	83.4043	-29.7159	19.77	0.84	0.61	24.18	3.05
1563405507	83.4296	-29.8829	20.57	0.42	0.80	24.29	2.22
1564950189	83.0022	-24.4964	19.65	0.83	0.53	24.69	4.07
1565616623	83.3092	-27.0274	21.16	0.50	0.41	25.94	3.61
1565598857	83.7357	-26.8540	21.86	0.80	0.48	25.56	2.19
1565637801	83.7926	-27.2329	19.96	0.81	0.38	24.38	3.06
1565958853	83.4982	-18.0374	20.24	0.84	0.54	24.71	3.13
1565960629	83.9481	-18.0622	19.74	0.47	0.61	24.76	4.02
1566530813	83.3677	-18.7753	19.43	0.80	0.54	24.01	3.29
1566481594	83.5139	-18.2498	18.43	0.71	0.74	24.15	5.56
1566476678	83.6999	-18.2181	19.42	0.72	0.98	25.43	6.36
1566509002	83.8780	-18.5336	21.00	0.64	0.48	25.12	2.66
1566231085	83.4519	-19.4643	19.64	0.81	0.58	24.33	3.44
1566242226	83.7864	-19.5844	19.06	0.88	0.62	24.18	4.20
1566348970	83.3007	-20.1103	21.19	0.90	0.51	24.79	2.09
1566342477	83.7172	-20.0498	18.97	0.72	0.60	24.09	4.22
1567333530	83.7081	-20.3632	20.60	0.37	0.83	25.33	3.53
1567653016	84.0073	-20.9957	19.75	0.64	0.62	24.03	2.86
1566742206	83.6454	-21.5100	21.77	0.85	0.64	25.43	2.16
1567381099	83.4624	-25.4338	21.40	0.92	0.16	25.89	3.15
1567385690	83.4669	-25.4869	20.06	0.94	0.25	24.42	2.97
1567063934	83.6777	-27.6401	21.36	0.81	0.16	25.31	2.46
1565774270	83.7714	-29.5264	20.35	0.80	0.62	24.98	3.36
1565713934	83.8161	-28.9171	20.00	0.79	0.35	25.19	4.36
1567275783	83.3899	-21.9880	18.97	0.78	0.78	26.11	10.70
1567299368	83.3957	-22.1929	19.47	0.75	0.61	24.47	3.99
1567266825	83.4741	-21.8913	18.57	0.71	0.74	24.63	6.47
1567309432	83.4767	-22.2824	20.39	0.77	0.59	24.53	2.68
1567261424	83.6568	-21.8343	19.66	0.67	0.36	24.97	4.59
1567309087	84.0233	-22.2872	20.17	0.89	0.39	24.50	2.92
1567310252	84.1198	-22.2931	19.87	0.72	0.54	24.42	3.24
1568058568	83.5130	-22.5598	20.23	0.66	0.16	24.94	3.48
1568083580	83.7605	-22.7991	19.27	0.54	0.76	24.48	4.41
1568255225	83.6581	-23.5133	19.43	0.51	0.67	25.26	5.85
1568268497	83.6585	-23.6491	21.16	0.68	0.60	26.24	4.13
1568262537	83.6749	-23.5861	20.40	0.66	0.80	25.55	4.28
1568287419	83.7855	-23.8479	20.74	0.85	0.65	24.87	2.68
1568637658	83.5733	-26.6608	19.67	0.89	0.38	24.36	3.45
1568646421	83.7580	-26.7341	19.59	0.75	0.53	24.26	3.43
1568586381	83.8483	-26.1751	21.24	0.76	0.50	25.20	2.47
1567955999	83.5868	-29.7996	19.81	0.81	0.44	24.15	2.94
1567963435	83.6465	-29.8813	20.06	0.83	0.47	24.65	3.30
1567942971	83.6785	-29.6685	20.27	0.73	0.42	24.46	2.75
1567950481	83.6867	-29.7491	19.20	0.70	0.50	24.34	4.27

1567943777	84.0229	-29.6828	19.66	0.53	0.46	24.24	3.29
1568527787	83.8639	-24.0575	20.81	0.78	0.54	25.21	3.03
1569509916	84.4830	-27.3901	20.35	0.78	0.50	24.54	2.76
1568391986	83.8919	-28.4212	20.78	0.52	0.41	25.20	3.06
1568561239	83.8980	-28.8180	19.87	0.91	0.62	24.96	4.17
1568399275	84.1493	-28.4933	19.98	0.84	0.53	24.28	2.89
1568396517	84.3005	-28.4706	19.91	0.75	0.53	24.67	3.58
1568391654	84.3203	-28.4142	20.75	0.93	0.52	24.59	2.33
1569017502	84.5973	-18.0171	19.19	0.68	0.64	24.08	3.79
1569422184	84.1713	-18.2742	20.19	0.50	0.80	25.02	3.69
1569958284	84.4208	-19.0274	20.93	0.64	0.67	25.39	3.11
1573122022	84.7706	-19.3419	20.14	0.77	0.36	24.73	3.30
1570296567	84.5286	-19.6279	20.30	0.75	0.54	24.31	2.53
1570637677	84.2513	-20.7935	20.06	0.79	0.48	24.31	2.82
1570636881	84.3482	-20.8010	19.67	0.70	0.51	24.49	3.68
1569840207	84.1871	-21.4962	20.91	0.62	0.53	25.35	3.08
1570066957	84.2044	-25.1262	18.36	0.66	0.55	24.12	5.66
1569754607	83.9895	-29.2036	21.46	0.73	0.45	25.09	2.12
1569773569	84.0999	-29.3869	20.37	0.52	0.53	24.74	2.99
1569772041	84.3364	-29.3696	21.28	0.83	0.77	25.22	2.45
1569791598	84.7371	-29.5593	20.34	0.84	0.43	24.48	2.69
1571349951	84.2083	-22.3378	19.47	0.67	0.44	24.56	4.15
1571343757	84.3891	-22.2745	19.77	0.93	0.79	24.54	3.58
1571930611	84.5176	-22.9079	19.64	0.97	0.53	24.45	3.66
1571531244	84.6924	-22.8111	19.64	0.42	0.53	24.70	4.10
1571224671	84.4404	-25.3316	21.35	0.69	0.31	24.50	1.70
1571237159	84.6780	-25.4755	21.76	0.81	0.93	26.21	3.10
1571254852	84.8342	-25.6589	19.56	0.72	0.62	24.20	3.37
1571056785	84.3115	-28.0069	20.30	0.77	0.42	24.58	2.86
1571045480	84.3948	-27.8970	20.01	0.73	0.34	24.23	2.78
1570875953	84.6116	-27.4993	19.11	0.96	0.41	24.18	4.12
1571015222	84.6379	-27.6021	19.82	0.86	0.67	24.29	3.14
1571051173	84.6672	-27.9574	19.91	0.70	0.72	24.78	3.76
1571050152	84.7782	-27.9485	19.34	0.90	0.59	24.57	4.43
1571039873	84.8194	-27.8469	19.89	0.85	0.56	24.53	3.39
1571721765	84.7406	-23.2876	19.30	0.43	0.48	24.07	3.58
1573228436	85.0984	-24.2332	18.96	0.74	0.55	24.36	4.78
1573265411	85.2262	-24.5906	19.45	0.96	0.62	24.57	4.23
1572306864	84.4931	-26.6797	22.05	0.81	0.88	26.14	2.63
1572246878	84.8630	-26.1211	21.84	0.71	0.82	26.11	2.85
1572279783	84.9973	-26.4284	20.87	0.97	0.70	25.20	2.93
1571993171	84.7278	-29.9374	19.92	0.86	0.54	24.54	3.34
1571992018	84.9959	-29.9421	18.48	0.67	0.67	24.09	5.29
1571852785	84.9798	-17.7683	18.34	0.73	0.72	25.01	8.62
1572530308	84.8816	-18.3471	21.12	0.74	0.00	24.33	1.75
1572524552	85.0785	-18.2855	19.25	0.53	0.52	24.02	3.60
1572700451	85.4103	-19.0328	18.56	0.75	0.69	24.21	5.39
1573790747	84.9145	-19.9047	18.80	0.61	0.31	24.77	6.26
1573785391	84.9741	-19.8541	17.68	0.84	0.52	24.09	7.65
1573371122	84.9954	-20.5451	19.28	0.73	0.56	25.12	5.87
1574016118	85.1026	-21.5486	21.21	0.80	0.29	25.23	2.55

1574004183	85.1683	-21.4357	20.50	0.77	0.52	24.88	3.01
1573858067	85.2721	-21.2754	19.22	0.98	0.58	24.34	4.21
1573542672	84.9672	-24.9585	21.20	0.65	1.03	25.77	3.27
1574097931	85.4616	-29.4731	20.87	0.90	0.63	25.24	2.98
1574341855	85.2595	-22.0223	20.13	0.71	0.49	24.35	2.79
1575246806	85.3908	-22.8998	19.94	0.97	0.70	24.50	3.27
1575260245	85.4508	-23.0138	20.33	0.64	0.54	25.94	5.27
1575326675	85.3730	-26.0279	20.56	0.85	0.84	25.27	3.50
1574751378	85.6022	-25.5026	21.21	0.80	0.55	24.95	2.23
1574780710	85.6233	-25.7950	21.09	0.82	0.77	25.50	3.04
1574753619	85.6655	-25.5261	20.99	0.91	0.67	25.91	3.86
1576042156	84.9505	-27.7874	20.36	0.88	0.50	24.48	2.66
1576024472	85.4208	-27.6086	20.17	0.95	0.35	24.14	2.48
1576031407	85.5169	-27.6764	20.27	0.66	0.26	24.13	2.36
1576056714	85.5810	-27.9272	20.58	0.92	0.59	24.79	2.78
1575586594	85.3385	-23.7367	18.72	0.61	0.12	25.37	8.52
1575414420	85.4089	-23.3221	19.02	0.49	0.53	24.27	4.47
1575432132	85.4626	-23.4853	19.20	0.77	0.34	24.03	3.70
1575491326	85.6778	-23.9782	18.74	0.86	0.53	24.02	4.54
1575982373	85.4798	-26.4970	20.38	0.78	0.93	25.47	4.15
1576004814	85.6122	-26.7153	21.56	0.80	0.39	25.38	2.33
1575689108	85.6639	-26.1567	20.09	0.58	0.86	25.12	4.05
1575980726	85.6935	-26.4765	19.56	0.96	0.41	24.04	3.13
1575987299	85.7890	-26.5468	19.86	0.91	0.58	24.63	3.59
1576561247	85.6230	-28.7937	18.96	0.31	0.57	24.59	5.34
1575824804	85.5024	-29.6909	20.90	0.87	0.64	24.95	2.57
1575827429	85.7128	-29.7169	20.03	0.85	0.62	24.57	3.23
1575831573	85.7379	-29.7759	19.13	0.53	0.51	24.45	4.61
1575832939	85.8202	-29.7741	20.50	0.75	0.48	25.04	3.22
1575853344	85.8952	-29.9760	18.92	0.82	0.88	25.17	7.09
1575833455	85.9110	-29.7940	19.17	0.45	0.49	24.23	4.10
1575824132	85.9211	-29.6919	18.87	0.89	0.32	24.75	5.96
1576621091	85.8679	-18.7269	19.54	0.70	0.21	24.56	4.01
1576609871	85.9301	-18.5879	19.86	0.71	0.64	24.63	3.59
1576716595	85.8413	-18.9988	19.13	0.60	0.28	25.14	6.34
1577135157	86.1185	-19.2800	20.53	0.74	0.24	24.34	2.30
1577155362	86.2282	-19.4774	19.24	0.37	0.38	24.24	3.99
1577791234	85.8212	-19.7086	19.44	0.55	0.71	24.28	3.70
1577785979	85.8803	-19.6486	21.19	0.95	0.58	25.21	2.53
1578237695	86.2084	-21.2467	21.20	0.85	0.29	25.27	2.61
1577675793	85.5584	-24.9797	20.14	0.77	0.45	24.53	3.01
1577228490	85.5406	-27.2975	20.48	0.63	0.44	24.60	2.66
1577176276	85.5500	-26.7932	21.80	0.57	0.55	25.88	2.61
1577195850	85.6850	-26.9846	21.68	0.49	0.30	25.83	2.70
1577717636	85.8492	-21.7944	20.05	0.65	0.44	24.62	3.28
1577749380	86.2994	-22.1178	20.17	0.90	0.56	24.61	3.08
1580409529	85.7939	-23.1059	21.22	0.69	0.30	24.96	2.23
1580348990	86.4235	-22.5110	19.46	0.50	0.45	24.13	3.43
1578319699	86.0940	-25.7071	22.45	0.39	0.88	27.32	3.75
1578302903	86.3864	-25.5455	21.86	0.71	0.81	25.89	2.55
1578605436	86.4855	-27.7480	19.75	0.86	0.44	24.30	3.24

1577083376	85.7252	-28.9540	20.14	0.93	0.63	24.97	3.68
1577122833	85.7331	-29.3801	17.87	0.79	0.56	24.63	8.96
1577106334	85.7345	-29.1837	19.23	0.97	0.67	24.08	3.73
1577113860	85.9378	-29.2597	19.93	0.58	0.60	24.21	2.87
1577116830	86.1327	-29.3287	16.71	0.82	0.55	24.36	13.51
1577119992	86.3198	-29.3294	18.88	0.74	0.55	24.07	4.36
1578402687	86.2020	-23.6529	21.71	0.67	0.93	26.20	3.15
1578375254	86.2831	-23.3853	19.33	0.83	0.70	24.69	4.71
1578395725	86.3340	-23.5842	19.15	0.86	0.64	24.14	3.98
1578417878	86.4491	-23.7985	21.05	0.56	0.20	25.20	2.69
1578369718	86.5922	-23.3279	20.91	0.80	0.88	25.50	3.30
1579853450	86.1034	-24.0002	20.39	0.44	0.46	25.19	3.64
1579409233	86.0357	-26.7370	22.11	0.85	0.79	26.27	2.72
1579394197	86.0985	-26.5977	21.88	0.74	0.95	26.10	2.79
1579376479	86.1544	-26.4179	19.14	0.53	0.36	24.08	3.88
1579385629	86.2008	-26.5135	20.06	0.95	0.97	25.40	4.67
1579386198	86.3070	-26.5174	20.38	0.81	0.56	25.21	3.70
1585450228	86.0890	-28.6575	20.31	0.51	0.30	24.80	3.16
1585446115	86.3912	-28.6136	19.35	0.69	0.44	24.48	4.24
1584738911	86.1273	-29.6922	19.83	0.58	0.37	24.51	3.44
1579108511	86.4286	-18.5869	19.24	0.74	0.67	24.44	4.36
1579115892	86.5891	-18.6925	20.71	0.64	0.61	24.89	2.73
1579115758	86.6403	-18.6921	19.47	0.72	0.65	24.61	4.26
1579108523	86.8649	-18.6163	17.64	0.62	0.61	24.05	7.66
1591981725	86.3488	-18.9652	20.67	0.60	0.56	25.21	3.23
1591990474	86.4401	-19.0903	19.48	0.71	0.55	24.44	3.90
1592015993	86.4966	-19.3956	19.66	0.66	0.59	24.44	3.60
1592022892	86.8699	-19.4719	18.69	0.78	0.35	24.41	5.54
1585475372	86.3162	-19.6266	19.30	0.65	0.60	24.24	3.88
1585497198	86.3241	-19.8571	20.18	0.82	0.58	24.46	2.87
1585505652	86.4937	-19.9505	19.67	0.78	0.61	24.25	3.29
1585496064	86.8590	-19.8474	20.12	0.92	0.55	24.47	2.96
1585497370	86.8936	-19.8658	18.91	0.85	0.68	24.41	5.02
1581027423	86.5519	-20.6128	20.58	0.81	0.63	24.84	2.84
1582629897	87.0764	-20.5296	19.91	0.75	0.56	24.60	3.46
1580329899	86.5637	-25.1935	20.35	0.60	0.77	25.17	3.66
1580302483	86.7294	-24.9206	21.12	0.82	0.21	24.92	2.29
1580272229	86.7365	-24.6301	21.58	0.76	0.47	25.29	2.20
1583559805	87.0741	-25.2184	21.26	0.79	0.81	25.63	2.99
1580452079	86.3752	-27.0695	19.68	0.95	0.52	24.35	3.43
1580421626	86.4151	-26.7840	19.78	0.84	0.42	24.23	3.10
1580443826	86.4172	-26.9966	19.79	0.83	0.48	24.34	3.25
1580437887	86.4269	-26.9351	21.34	0.63	0.45	25.80	3.10
1580429489	86.9205	-26.8669	19.45	0.87	0.58	24.38	3.86
1586456047	86.7608	-21.4695	19.79	0.60	0.71	24.71	3.84
1580839506	86.5109	-21.8745	21.00	0.86	0.60	25.29	2.87
1580851620	86.7300	-22.0275	18.18	0.50	0.66	24.49	7.30
1580839256	86.8209	-21.8742	20.60	0.42	0.84	24.76	2.71
1580893328	86.9440	-22.4296	20.97	0.80	0.54	24.94	2.48
1580889014	87.0324	-22.3912	20.40	0.77	0.58	24.69	2.88
1587252641	86.9384	-22.7122	20.14	0.78	0.63	24.75	3.34

1587234574	86.9498	-22.5345	20.64	0.59	0.23	25.32	3.44
1587260446	87.2848	-22.8112	17.71	0.59	0.58	24.15	7.75
1582972086	86.6636	-25.8648	20.54	0.72	0.31	24.44	2.40
1582934889	86.7512	-25.5032	20.77	0.96	0.90	25.05	2.86
1582982057	86.7564	-25.9704	18.33	0.86	0.34	24.55	7.00
1582939413	86.8127	-25.5457	21.09	0.43	1.04	25.93	3.69
1582950351	86.8215	-25.6539	21.28	0.73	0.72	25.45	2.73
1582924272	86.8612	-25.3953	21.37	0.82	0.64	25.39	2.54
1582949998	87.0416	-25.6532	21.03	0.46	1.07	25.91	3.79
1582966006	87.1082	-25.8054	20.69	0.83	0.64	24.68	2.50
1582955462	87.1501	-25.7246	18.01	0.54	0.48	24.17	6.80
1582947750	87.1646	-25.6246	21.76	0.39	0.85	26.07	2.91
1582963594	87.2008	-25.7824	21.55	0.70	0.97	25.53	2.50
1582950012	87.2342	-25.6523	19.75	0.91	0.95	24.45	3.46
1581518936	86.9647	-27.8138	20.68	0.67	0.44	25.10	3.06
1581537836	87.0062	-27.9952	20.25	0.70	0.62	24.90	3.40
1580723183	87.0766	-29.4841	19.62	0.70	0.50	24.21	3.30
1581715311	87.3535	-23.6534	19.08	0.63	0.52	24.05	3.94
1582085227	86.8896	-26.0462	21.43	0.87	0.79	25.59	2.71
1582340861	87.0117	-29.9950	20.24	0.63	0.49	24.90	3.41
1580594031	87.2111	-19.3445	20.51	0.84	0.45	24.72	2.77
1580604768	87.3433	-19.4865	20.23	0.60	0.43	24.44	2.78
1580597559	87.5017	-19.3942	19.54	0.93	0.63	24.24	3.47
1581927883	87.1071	-20.0720	21.42	0.76	0.71	25.31	2.39
1581900241	87.2066	-19.7907	20.71	0.85	0.56	24.65	2.44
1582620652	87.1894	-20.4445	18.79	0.54	0.36	24.13	4.68
1582616293	87.3087	-20.3863	20.67	0.73	0.30	25.09	3.06
1582649300	87.8209	-20.7384	19.67	0.67	0.57	24.00	2.93
1582407477	87.0792	-24.1914	20.59	0.81	0.49	24.95	2.98
1582392891	87.1731	-24.0501	19.44	0.66	0.60	24.48	4.06
1582381872	87.5160	-23.9381	20.94	0.74	0.38	24.93	2.51
1583567994	87.1443	-25.3084	20.61	0.92	0.84	25.38	3.59
1583539884	87.2223	-25.0241	19.29	0.63	0.59	24.37	4.13
1583568276	87.2783	-25.3153	20.11	0.75	0.51	25.04	3.87
1583535714	87.3384	-24.9737	20.55	0.77	0.50	24.94	3.01
1583559868	87.4058	-25.2260	19.12	0.71	0.35	24.38	4.49
1583506809	87.4414	-24.6755	20.04	0.79	0.48	24.51	3.12
1582772039	87.5655	-28.3904	19.21	0.85	0.58	24.02	3.66
1583699879	87.2573	-21.5693	19.33	0.80	0.83	24.36	4.05
1583707215	87.5128	-21.6359	20.71	0.85	0.51	24.63	2.42
1583709562	87.6020	-21.6632	20.02	0.95	0.42	24.67	3.39
1583656827	87.6936	-21.1107	21.21	0.66	0.54	26.03	3.68
1583676012	87.8483	-21.3196	20.65	0.97	0.83	24.70	2.57
1584174566	87.3163	-22.3210	20.79	0.66	0.66	25.40	3.33
1585739559	87.5217	-22.8207	20.77	0.85	0.46	24.50	2.22
1585732151	87.6383	-22.7506	21.06	0.75	0.28	25.02	2.48
1585751949	87.7214	-22.9411	22.31	0.73	0.61	26.05	2.23
1585755538	87.7758	-22.9806	20.90	0.80	0.91	25.55	3.40
1585442168	87.8061	-22.4783	20.89	0.74	0.22	24.83	2.45
1585704806	87.8151	-22.5026	21.21	0.59	0.27	24.90	2.18
1585725919	87.8305	-22.6936	19.92	0.52	0.46	24.73	3.65

1585731583	87.9532	-22.7496	19.52	0.83	0.29	24.03	3.19
1584623252	87.3074	-25.9916	18.99	0.72	0.86	24.28	4.56
1584592147	87.4163	-25.6527	20.97	0.79	0.20	25.94	3.94
1584574946	87.5236	-25.4796	20.12	0.83	0.57	24.63	3.19
1584581949	87.6991	-25.5471	21.77	0.70	0.85	25.83	2.59
1583569333	87.7092	-25.3200	21.33	0.83	0.75	24.94	2.10
1584582535	87.8782	-25.5567	20.34	0.68	0.39	24.62	2.86
1584615884	87.9058	-25.9022	21.64	0.65	0.76	26.83	4.37
1584622589	87.9827	-25.9682	21.25	0.71	0.36	24.98	2.22
1585189784	88.0297	-27.4692	19.29	0.94	0.69	24.22	3.85
1585103405	87.4840	-29.2374	20.20	0.81	0.15	24.75	3.24
1585682734	87.6001	-23.2656	21.29	0.75	0.31	25.21	2.43
1586123597	87.7853	-23.7726	19.94	0.89	0.58	24.53	3.31
1586167961	87.6603	-26.3449	19.58	0.53	0.40	24.64	4.11
1586140092	88.0470	-26.0472	19.96	0.88	0.47	24.42	3.11
1586186544	88.0615	-26.5259	20.28	0.70	0.44	24.38	2.64
1586562846	87.7942	-24.0281	20.21	0.76	0.44	24.74	3.22
1586569911	87.9649	-24.1091	19.89	0.59	0.59	24.73	3.70
1586581994	88.1146	-24.2261	20.30	0.64	0.56	24.81	3.18
1587979467	88.2887	-24.9492	21.67	0.85	0.93	25.76	2.62
1588238792	87.9075	-28.3933	20.63	0.86	0.43	24.71	2.60
1588240111	88.2474	-28.4049	22.03	0.90	0.94	25.92	2.39
1588285154	88.3652	-28.8401	19.78	0.85	0.60	24.74	3.91
1586220968	87.8306	-29.7003	19.18	0.58	0.41	24.43	4.48
1586222341	88.2612	-29.6993	20.40	0.85	0.54	24.38	2.50
1587145544	88.0457	-22.3717	20.91	0.83	0.30	24.87	2.46
1587148139	88.1402	-22.3987	20.70	0.95	0.70	24.79	2.62
1589038690	88.6404	-25.4711	19.72	0.77	0.23	24.03	2.91
1588918396	88.6924	-29.5984	21.19	0.82	0.42	25.39	2.76
1588914826	88.7048	-29.5618	21.36	0.76	0.40	24.94	2.07
1588448192	88.2886	-22.6567	20.43	0.86	0.76	24.72	2.87
1588485387	88.8845	-23.0359	20.97	0.72	0.97	25.12	2.69
1589841228	88.9580	-23.4395	21.50	0.82	0.60	25.13	2.12
1590486255	88.5413	-26.3963	19.33	0.72	0.53	24.33	3.98
1590506847	88.5632	-26.5708	21.38	0.72	0.49	24.74	1.87
1590514946	88.6270	-26.6531	20.00	0.53	0.76	24.62	3.34
1590516947	88.7054	-26.6665	21.63	0.85	0.55	25.15	2.02
1589656219	88.4761	-28.0157	20.41	0.92	0.62	24.56	2.70
1589630481	88.6724	-27.7604	20.20	0.55	0.49	24.74	3.22
1589936459	88.7233	-24.1591	19.70	0.82	0.40	24.48	3.61
1589982570	88.7375	-24.5985	20.59	0.81	0.51	24.88	2.88
1589979717	88.8753	-24.5743	19.49	0.63	0.27	24.18	3.44
1589981797	89.0551	-24.5987	19.87	0.95	0.76	24.33	3.10
1589407158	88.9007	-22.3670	20.32	0.50	0.28	24.82	3.16
1589393515	89.2667	-22.1909	19.50	0.69	0.46	24.99	4.99
1591195884	89.1521	-26.7917	20.57	0.58	0.28	24.79	2.78
1591253838	89.2275	-27.3653	20.18	0.93	0.27	24.12	2.45
1592818851	89.7326	-23.7854	19.91	0.94	0.52	24.12	2.78
1592776366	89.7655	-23.3624	19.80	0.89	0.60	24.31	3.19
1591962171	89.0741	-25.9056	21.72	0.95	0.08	24.78	1.63
1591770636	89.0889	-25.3390	19.22	0.87	0.58	24.25	4.04

1591878126	88.9390	-29.0587	20.55	0.55	0.31	24.84	2.88
1591864775	89.3131	-28.9135	21.33	0.73	0.57	24.73	1.91
1591876769	89.3661	-29.0410	19.68	0.74	0.44	24.49	3.65
1593056842	89.6579	-24.1288	19.41	0.92	0.25	24.23	3.67
1592971548	89.1715	-26.6948	18.36	0.40	0.53	24.06	5.49
1592966914	89.2327	-26.6323	20.25	0.77	0.73	24.72	3.13
1592922423	89.2699	-26.1799	20.69	0.54	0.54	24.91	2.78
1592937256	89.4573	-26.3360	19.88	0.74	0.55	24.65	3.59
1593996042	89.4795	-28.4730	19.82	0.73	0.68	24.81	3.97
1594001328	89.6731	-28.5236	20.61	0.84	0.66	24.77	2.72
1594163610	89.7039	-28.8783	19.31	0.81	0.65	24.19	3.78
1593937070	89.3590	-29.9845	21.64	0.71	0.30	24.68	1.62
1593937191	89.4097	-29.9907	20.60	0.89	0.94	25.30	3.49
1593907318	89.8038	-29.7019	20.52	0.43	0.84	24.99	3.12
1593315805	89.4688	-24.7569	20.16	0.83	0.62	24.76	3.31
1593359671	89.9416	-25.2456	19.98	0.91	0.60	24.48	3.18
1593732408	89.7934	-25.5562	18.22	0.64	0.23	24.87	8.56
1593759722	89.9308	-25.8319	19.60	0.87	0.54	24.19	3.30
1595662921	89.8714	-27.9271	17.17	0.79	-0.45	25.26	16.53
1594788350	89.9154	-28.9037	20.44	0.95	0.78	24.69	2.82
1594955348	90.2006	-29.3110	20.97	0.84	0.31	25.07	2.63
1594934021	90.2217	-29.0719	19.98	0.51	0.31	24.17	2.75
1594509010	90.0934	-26.1130	21.15	0.81	0.54	24.94	2.29
1595297329	90.3358	-27.3612	19.16	0.69	0.64	24.61	4.91
1595280969	90.4707	-27.1058	21.05	0.64	1.00	25.67	3.35
1595289790	90.6235	-27.2388	19.60	0.53	0.60	24.06	3.12
1594910046	90.2077	-28.5646	19.70	0.80	0.13	24.41	3.49
1595524162	90.1464	-29.7265	20.70	0.87	0.48	24.68	2.49
1595860982	90.6832	-29.2546	19.98	0.76	0.47	24.24	2.84
907476845	316.8822	0.5382	19.84	0.64	0.63	24.00	2.71
907387705	317.1776	1.1292	20.42	0.70	0.76	24.39	2.48
907738792	317.0075	-0.4898	19.95	0.83	0.54	24.07	2.66
907668952	316.7918	-1.2020	20.31	0.64	0.48	24.31	2.52
907683111	317.1315	-1.3402	19.78	0.85	0.64	24.06	2.86
910380787	318.1032	-0.1704	18.60	0.60	0.40	24.64	6.43
910375594	318.1033	-0.1048	21.35	0.82	0.45	25.03	2.17
909778674	317.8441	1.4418	21.00	0.68	0.25	25.58	3.29
912289378	317.7096	-1.6737	20.73	0.60	0.59	24.81	2.61
912280779	317.7866	-1.6019	19.70	0.82	0.59	24.18	3.15
912279515	318.0382	-1.5952	19.89	0.43	0.58	24.60	3.48
909201028	317.7726	-2.3352	19.00	0.60	0.46	24.06	4.09
909169184	317.7875	-1.9589	19.39	0.59	0.40	24.17	3.61
912148326	318.4663	0.2762	19.59	0.87	0.61	24.98	4.78
912192958	318.4934	-0.1284	20.24	0.81	0.59	25.42	4.34
912153648	318.7219	0.2275	19.87	0.65	0.56	24.52	3.39
912199914	318.7720	-0.1922	20.32	0.76	0.56	24.98	3.41
909718249	318.3042	1.7047	19.78	0.82	0.62	25.12	4.67
909530243	318.2854	2.2180	20.24	0.94	0.75	24.21	2.49
909513684	318.3007	2.4221	19.24	0.48	0.61	24.38	4.26
911994362	318.6838	-0.5432	20.99	0.82	0.74	24.91	2.43
912026805	318.8555	-0.8320	20.36	0.83	0.75	24.27	2.42

911997122	318.8569	-0.5784	19.75	0.62	0.70	24.55	3.65
910116899	318.2283	-1.1093	20.77	0.86	0.55	24.72	2.45
910182736	318.3392	-1.7472	20.00	0.82	0.58	24.15	2.69
909339367	318.7013	-2.3298	19.61	0.94	0.59	24.03	3.05
914235386	319.1402	0.0621	20.55	0.59	0.41	25.39	3.70
914224689	319.2470	0.1505	20.48	0.72	0.60	24.57	2.63
914128187	318.9153	0.9911	20.74	0.63	0.56	25.15	3.05
914177317	319.3794	0.5404	19.31	0.54	0.54	24.98	5.45
914189615	319.5058	0.4411	20.73	0.64	0.46	24.34	2.11
912981643	319.2712	2.0026	20.58	0.90	0.28	24.91	2.93
912961075	319.2943	2.2240	18.97	0.55	0.57	24.17	4.37
914486576	319.1082	-0.9451	20.55	0.58	0.34	24.80	2.83
914467295	319.4675	-0.7848	19.74	0.86	0.52	24.19	3.10
913624961	319.2164	-1.6968	18.36	0.81	0.74	24.05	5.48
916010917	319.9599	-0.0950	21.40	0.51	0.27	24.95	2.04
915989063	320.1268	0.1018	19.49	0.72	0.66	24.25	3.58
916428220	319.7784	1.0101	20.42	0.52	0.42	24.72	2.89
916456329	320.0997	0.7517	21.21	0.76	0.35	24.84	2.12
915371147	319.6743	1.5331	19.60	0.94	0.58	24.56	3.92
915352534	319.6839	1.7187	19.35	0.78	0.54	24.68	4.65
915383355	320.0626	1.3839	17.80	0.88	0.62	24.60	9.15
916118965	319.6818	-0.8301	20.80	0.65	0.35	25.00	2.76
915231524	319.8920	-1.4045	20.04	0.65	0.56	24.24	2.77
915261408	320.2727	-1.7019	20.49	0.89	0.62	24.72	2.81
915087736	319.7899	2.2113	19.33	0.52	0.21	24.88	5.14
915094947	319.8519	2.1024	18.05	0.88	0.44	24.27	7.01
915115975	320.0786	1.8720	21.00	0.72	0.64	25.21	2.77
918730222	320.8942	0.9891	20.70	0.93	0.49	24.77	2.60
917329834	320.5598	1.6348	21.24	0.88	0.55	25.11	2.37
917346656	320.6184	1.4707	20.00	0.73	0.65	24.36	2.96
917326241	320.6955	1.6682	20.41	0.96	0.62	24.46	2.58
918653018	321.0479	-0.4496	21.38	0.74	0.68	25.19	2.31
918557961	320.9138	-1.6488	21.34	0.73	0.38	25.19	2.35
916386205	320.3994	-2.0220	20.15	0.67	0.50	24.79	3.38
920174737	321.0922	-0.0897	20.50	0.63	0.39	25.45	3.89
920148013	321.3552	0.1489	20.66	0.87	0.27	24.39	2.22
920221384	321.0630	0.9356	20.04	0.76	0.55	24.34	2.89
920223354	321.2502	0.9205	20.51	0.65	0.57	24.46	2.46
919421321	321.6104	1.7394	19.24	0.81	0.63	24.12	3.78
920074689	321.3875	-0.6578	20.80	0.93	0.28	24.37	2.07
920046723	321.6227	-0.4185	21.56	0.81	0.53	25.45	2.39
919830826	321.2018	-1.0906	18.98	0.65	0.56	24.30	4.62
919836864	321.7428	-1.1362	21.06	0.80	0.37	25.04	2.50
922055151	321.8147	0.1870	19.71	0.56	0.63	24.59	3.77
922051314	321.9983	0.2235	19.54	0.76	0.59	24.24	3.48
921091293	321.8235	2.4552	18.74	0.36	0.60	24.43	5.49
921114785	322.2529	2.1993	19.58	0.66	0.43	24.07	3.15
922385869	322.2726	-0.9179	19.60	0.71	0.44	24.06	3.12
922352021	322.3518	-0.6096	19.67	0.63	0.54	24.81	4.26
922212890	322.4670	-0.5477	18.88	0.58	0.91	24.50	5.31
922359196	322.4682	-0.6903	18.54	0.79	0.71	24.39	5.92

921235384	321.8680	-1.1168	20.89	0.80	0.50	24.88	2.50
921291296	322.0781	-1.6567	20.00	0.76	1.03	24.70	3.48
921254695	322.1752	-1.3071	19.22	0.97	0.64	24.03	3.66
921281625	322.3880	-1.5590	19.00	0.86	0.80	24.25	4.47
923829235	322.8732	-0.0731	20.94	0.92	0.71	24.92	2.50
924436964	323.1895	0.5555	19.59	0.75	0.54	24.57	3.95
992624244	322.5674	1.3059	20.59	0.92	0.46	24.88	2.87
992577603	322.5723	1.7646	19.58	0.86	0.64	24.37	3.62
992574817	322.6779	1.7976	20.00	0.91	0.70	24.42	3.05
992642243	323.1510	1.1286	20.36	0.90	0.56	24.53	2.73
924109887	322.8407	-1.0431	21.04	0.89	0.58	24.73	2.18
924107759	322.9510	-1.0216	21.26	0.54	0.59	25.46	2.76
923298816	322.8403	-1.7361	19.54	0.65	0.51	24.03	3.15
926207805	323.2753	0.9197	20.90	0.88	0.38	24.83	2.43
925074905	323.4685	1.6318	19.96	0.96	0.31	24.61	3.39
926390818	323.2006	-1.0404	19.09	0.92	0.67	24.34	4.47
926114325	323.3778	-0.9170	17.74	0.95	-1.21	24.82	10.37
926070215	323.6671	-0.6203	20.59	0.71	0.55	24.82	2.80
926045990	323.8342	-0.3843	20.21	0.64	0.70	24.38	2.73
927794951	324.1119	0.0476	21.39	0.62	0.69	25.80	3.03
927820920	324.1720	-0.2171	19.90	0.94	0.58	24.19	2.87
928638330	324.4057	0.7443	19.76	0.92	0.70	24.42	3.41
928171165	324.2108	1.6030	19.90	0.91	0.60	24.56	3.41
928195183	324.4814	1.3815	20.53	0.99	0.81	24.68	2.70
928161610	324.6065	1.7013	20.43	0.58	0.47	24.52	2.63
928724829	324.0177	-0.7605	19.03	0.55	0.60	24.03	4.00
928698016	324.2810	-0.5179	19.59	0.35	0.40	24.50	3.82
928695341	324.4010	-0.4947	19.48	0.74	0.61	24.01	3.22
930190721	324.8367	0.8303	19.02	0.88	0.57	24.20	4.33
930202220	325.0248	0.7094	18.63	0.93	0.62	24.31	5.45
930203518	325.1748	0.7003	19.91	0.80	0.74	24.97	4.10
930186196	325.2668	0.8840	20.35	0.94	0.48	25.30	3.91
929560977	324.6655	1.1503	20.26	0.79	0.49	24.69	3.06
929543594	325.1488	1.3256	19.09	0.86	0.42	24.77	5.47
929523440	325.2975	1.5212	19.01	0.91	0.69	24.38	4.71
929587597	325.2567	-1.2515	19.57	0.80	0.49	24.26	3.46
930896492	325.3508	-1.3725	20.50	0.85	0.64	24.64	2.68
929186749	324.8656	-1.9688	20.27	0.85	0.65	24.88	3.32
929219817	324.9947	-2.4197	19.14	0.70	0.60	24.70	5.17
929188617	325.2163	-1.9915	20.20	0.83	0.53	24.59	3.01
932229653	325.3823	-0.2136	20.70	0.94	0.68	24.95	2.83
931912272	325.4437	0.3211	19.36	0.47	0.65	24.30	3.88
932231168	325.6809	-0.2297	20.40	0.52	0.46	24.65	2.83
932232823	325.8884	-0.2426	21.60	0.69	0.61	25.77	2.72
932886552	325.9298	0.6597	20.45	0.82	0.58	24.80	2.96
931779877	325.9981	1.5314	18.60	0.53	0.46	24.14	5.12
930908032	325.3770	-1.5041	20.57	0.94	0.78	24.72	2.70
930926204	326.0274	-1.7268	19.70	0.84	0.72	24.28	3.29
934638782	326.1252	0.4568	19.09	0.94	0.61	24.68	5.21
934251641	326.2328	1.4257	18.39	0.63	0.61	24.11	5.57
934268999	326.4957	1.2737	20.63	0.90	0.41	24.67	2.57

934267425	326.5946	1.2888	20.55	0.66	0.56	24.23	2.17
932618862	326.6944	1.9083	19.97	0.69	0.53	24.31	2.94
934544207	326.3122	-0.8138	20.72	0.44	0.48	24.94	2.79
934074382	326.0870	-1.6486	19.75	0.83	0.72	24.42	3.44
934068215	326.2492	-1.5857	19.83	0.61	0.45	24.24	3.04
937180761	327.3368	0.2403	20.33	0.61	0.49	25.46	4.24
934053372	326.7683	-1.4354	19.62	0.76	0.46	24.41	3.62
937274334	326.9951	-1.3753	21.06	0.89	0.66	25.09	2.55
937428997	327.0575	-1.5952	20.53	0.76	0.68	25.21	3.44
937250657	327.3944	-1.1786	18.56	0.57	0.67	24.03	4.96
936517830	327.3840	-2.1621	19.41	0.99	0.61	24.40	3.97
936242624	327.3918	-1.9794	20.21	0.89	0.42	24.84	3.35
938962638	327.4804	0.1514	19.36	0.71	0.63	25.11	5.62
937554013	327.5229	2.0309	20.01	0.80	0.45	24.88	3.76
939660157	328.0197	-0.8759	19.76	0.90	0.73	24.78	4.03
937781247	327.9199	-1.8126	20.20	0.91	0.76	24.69	3.15
992068895	328.4139	-1.2900	19.61	0.55	0.37	25.05	4.89
992107709	328.6775	-1.7592	20.67	0.71	0.14	25.18	3.19
942111142	329.2249	-0.3043	20.88	0.84	0.87	25.11	2.81
941271043	328.9549	1.3822	19.32	0.74	0.55	24.15	3.70
940423685	329.3045	2.2781	18.68	0.52	0.39	24.48	5.77
944837457	329.6846	0.7419	19.39	0.63	0.47	24.51	4.21
944953949	330.2058	-1.0461	19.32	0.78	0.41	24.25	3.86
944458047	329.8551	-1.0811	20.13	0.90	0.62	24.57	3.07
944461248	330.2364	-1.1081	20.84	0.67	0.53	24.69	2.35
946457832	330.4520	-0.9427	20.10	0.94	0.81	24.66	3.25
948272608	331.0472	-0.8229	19.26	0.94	0.56	24.76	5.00
945672939	330.3651	-1.9286	19.60	0.77	0.88	24.36	3.57
948081961	331.0878	-0.1810	19.21	0.46	0.76	24.31	4.18
948068567	331.5499	-0.0495	18.82	0.76	0.74	24.09	4.52
948270339	331.5330	-0.8012	20.05	0.84	0.62	24.62	3.27
947785634	331.1045	-1.3083	19.67	0.85	0.68	24.24	3.28
947814476	331.1996	-1.6156	19.45	0.39	0.76	24.17	3.51
947817752	331.7121	-1.6678	18.91	0.50	0.74	24.46	5.12
949032250	331.9436	1.1246	19.48	0.79	0.53	24.33	3.72
950281183	331.7880	-0.5715	19.29	0.79	0.69	24.59	4.58
948457471	331.8451	-1.2328	20.27	0.94	0.93	24.58	2.91
948469455	331.8620	-1.3761	19.64	0.90	0.69	24.51	3.77
948475322	331.9701	-1.4546	19.74	0.54	0.73	24.22	3.15
948489594	331.9891	-1.6528	18.61	0.52	0.81	24.36	5.65
948454864	332.2153	-1.1986	20.26	0.80	0.46	25.21	3.90
952062019	332.9343	-0.4190	20.79	0.80	0.70	24.80	2.53
951103688	332.8244	-1.2884	20.51	0.67	0.62	24.57	2.59
951143632	332.9304	-1.7472	19.07	0.57	0.67	24.96	6.00
954478035	333.7054	-0.2219	21.10	0.90	0.67	25.19	2.62
954988943	333.8530	1.0393	19.95	0.87	0.49	24.74	3.62
954075316	333.2827	-1.2553	20.52	0.67	0.53	24.76	2.81
953090512	333.6923	-2.3438	20.03	0.47	0.60	24.38	2.96
953094320	333.7637	-2.4045	18.26	0.73	0.61	24.07	5.81
953800107	333.9406	-2.1844	18.89	0.64	0.45	24.27	4.75
955871301	334.1263	-0.4125	21.19	0.82	0.32	25.50	2.90

956053321	334.3013	-0.9561	20.73	0.84	0.85	25.14	3.04
955548136	334.0265	-1.6588	19.81	0.83	0.68	24.45	3.39
955525082	334.0806	-1.4083	21.33	0.84	0.76	25.44	2.65
955514170	334.3749	-1.2947	19.65	0.78	0.70	24.38	3.53
958178643	335.1600	-0.0697	20.63	0.59	0.50	25.41	3.59
958071545	334.9574	0.9404	20.13	0.86	0.50	24.66	3.22
958073865	335.2736	0.9156	19.49	0.68	0.77	24.31	3.67
957404087	335.3086	1.2600	21.09	0.88	0.47	24.87	2.27
958352349	335.2989	-0.9352	20.21	0.58	0.48	24.65	3.08
958356288	335.3158	-0.9718	20.89	0.95	0.54	25.33	3.08
956068809	334.7477	-1.8405	18.55	0.86	0.38	24.90	7.43
960236156	335.7405	0.6350	21.01	0.69	0.55	25.06	2.57
959496344	335.7681	1.5647	18.67	0.74	0.51	24.96	7.23
959501435	335.8549	1.5175	18.85	0.86	0.55	24.74	6.02
958777796	335.5526	1.9785	19.32	0.66	0.65	24.21	3.80
959810256	335.3960	-1.6431	19.59	0.77	0.58	24.44	3.72
959638681	335.6684	-1.1918	18.98	0.51	0.76	24.18	4.37
959798117	335.7869	-1.4979	19.63	0.95	0.68	24.25	3.35
959637469	335.8303	-1.1725	20.64	0.82	0.63	24.83	2.74
961361975	336.3792	1.2937	18.78	0.88	0.60	24.32	5.10
961076714	336.6833	1.5692	19.10	0.86	0.66	24.08	3.95
962088486	336.1232	-0.6273	19.07	0.98	0.81	24.57	5.01
962120651	336.5697	-0.9103	20.53	0.68	0.55	25.00	3.12
962094604	336.6052	-0.6713	20.04	0.70	0.49	24.36	2.91
961525504	336.7374	-1.6808	20.26	0.71	0.49	24.96	3.47
960295652	336.3746	-2.1018	20.55	0.73	0.62	24.74	2.75
960288418	336.4530	-2.0248	19.21	0.68	0.54	24.06	3.73
964411185	337.4245	-0.1020	22.07	0.90	0.54	25.56	1.98
964280663	337.3075	-1.2153	20.97	0.70	0.55	25.53	3.25
962736741	337.1258	-2.0126	19.88	0.76	0.53	24.52	3.38
966628954	337.8436	-0.1129	19.68	0.77	0.58	24.03	2.96
966816248	338.0431	0.7472	19.39	0.49	0.73	24.59	4.38
965523207	338.1373	1.6185	19.60	0.71	0.68	24.44	3.70
967070787	337.4926	-0.4669	20.58	0.81	0.53	24.60	2.54
967119548	337.4991	-0.9184	20.71	0.66	0.29	25.30	3.31
967094121	337.5154	-0.6851	19.62	0.80	0.60	24.20	3.28
967075967	337.5192	-0.5096	21.66	0.78	0.28	25.50	2.34
964772086	338.0798	-2.3795	19.69	0.74	0.55	24.47	3.61
969009675	338.2044	0.7678	19.08	0.82	0.67	24.26	4.33
967963963	338.4755	1.7633	20.05	0.87	0.65	24.28	2.81
968134777	338.5978	1.3234	20.42	0.90	0.56	25.01	3.30
968138088	338.7019	1.2856	21.29	0.74	1.15	25.83	3.23
967175767	338.6828	1.9507	19.32	0.78	0.48	24.00	3.44
968752781	338.5530	-0.9296	21.05	0.72	0.62	24.88	2.33
970803728	339.5297	0.2257	20.62	0.89	0.58	24.62	2.51
969616180	339.0899	1.7259	20.77	0.94	0.62	24.93	2.71
969798967	339.3186	1.1304	20.44	0.64	0.64	24.81	2.98
969657087	339.5941	1.2513	19.44	0.88	0.78	24.21	3.59
970710693	339.3517	-0.3453	21.01	0.64	0.72	24.92	2.42
970770650	338.9905	-0.9211	18.34	0.80	0.58	24.46	6.67
969362480	339.1746	-1.3761	21.57	0.84	0.22	25.38	2.31

972677933	339.7682	0.7049	20.53	0.88	0.78	24.96	3.07
972685705	340.3180	0.6286	18.94	0.95	0.67	24.65	5.55
972864877	339.7929	-0.4386	18.41	0.90	0.66	24.69	7.19
972918509	340.0550	-0.9502	20.49	0.52	0.41	24.78	2.88
972884684	340.2605	-0.6166	19.81	0.69	0.48	24.23	3.05
972734933	339.6964	-1.2730	19.19	0.86	0.64	24.36	4.32
972769573	339.8152	-1.6076	20.49	0.86	0.65	24.87	2.99
972751563	340.3315	-1.4262	20.72	0.73	0.56	24.75	2.55
971457758	339.8437	-2.1753	19.39	0.90	0.79	24.17	3.61
974333056	340.3993	0.2348	20.66	0.90	0.64	25.22	3.26
974385784	340.4049	-0.2709	19.65	0.91	0.42	24.38	3.53
975008201	340.7019	1.0626	20.60	0.56	0.53	24.85	2.83
975045071	340.9854	0.6801	19.37	0.71	0.69	24.29	3.85
973675704	340.6518	1.3265	19.68	0.68	0.54	24.47	3.62
973648159	340.7572	1.6337	20.03	0.90	0.66	24.38	2.97
972368425	340.9288	1.9263	19.71	0.78	0.38	25.21	5.02
975158730	340.4157	-0.4394	19.75	0.81	0.39	24.49	3.54
975206796	340.8055	-0.9110	20.24	0.81	0.62	24.86	3.35
975169166	340.9109	-0.5327	20.28	0.73	0.72	24.50	2.78
972575409	340.9120	-1.8253	19.08	0.91	0.76	24.00	3.85
976111535	341.1600	0.2939	19.57	0.92	0.65	24.19	3.36
976152575	341.1873	-0.0871	20.01	0.90	0.51	24.66	3.39
976138999	341.2765	0.0215	19.05	0.65	0.37	24.08	4.06
976142009	341.4858	0.0102	19.90	0.87	0.53	24.56	3.42
976280743	341.3151	1.0510	20.21	0.94	0.70	24.55	2.94
975367683	341.1998	1.7703	19.32	0.78	0.57	24.09	3.60
975766031	341.2509	-1.0531	19.86	0.97	0.69	24.43	3.28
975756089	341.3965	-0.9606	20.04	0.82	0.36	24.30	2.84
975744932	341.4536	-0.8480	20.76	0.86	0.80	25.04	2.87
975724558	341.5695	-0.6489	20.60	0.71	0.43	24.64	2.57
977985356	341.9427	-0.2787	21.80	0.66	0.64	25.51	2.20
978120081	341.9779	-0.3379	18.33	0.81	0.60	24.06	5.59
977954525	342.2769	0.0449	19.44	0.75	0.70	24.10	3.42
977970475	342.4108	-0.1280	21.17	0.68	0.69	25.47	2.89
978606620	342.2407	1.0781	19.38	0.80	0.68	24.32	3.88
977534911	342.3091	1.7441	19.25	0.75	0.64	24.14	3.81
978304979	341.8263	-0.3607	19.49	0.74	0.81	24.74	4.48
977376438	341.8145	-1.1295	19.47	0.82	0.41	24.52	4.08
977387765	342.0350	-1.2341	20.88	0.63	0.76	26.03	4.28
977427344	342.1849	-1.6603	18.94	0.87	0.71	24.17	4.45
977388945	342.3764	-1.2584	20.18	0.85	0.66	25.06	3.76
980536916	343.0683	0.0655	21.31	0.63	0.29	25.01	2.19
980003960	343.1530	0.9036	21.38	0.67	0.51	25.42	2.57
980091079	342.5619	1.2283	19.04	0.70	0.65	24.03	3.97
980093872	342.6508	1.1990	20.21	0.78	0.46	24.97	3.57
979935409	342.7138	1.5094	20.29	0.66	0.62	24.62	2.92
980657039	342.6609	-1.0141	21.06	0.93	0.83	25.46	3.02
980650888	342.8849	-0.9706	19.61	0.69	0.80	24.56	3.91
980659712	343.1590	-1.0455	20.02	0.86	0.90	24.71	3.47
980486982	342.5153	-1.5620	19.81	0.68	0.51	24.34	3.22
980504905	342.5205	-1.7530	18.41	0.76	0.74	24.13	5.56

980481140	342.6827	-1.5137	19.58	0.75	1.18	25.19	5.29
980462350	342.7646	-1.3202	21.58	0.52	0.88	26.78	4.37
980470027	342.9661	-1.3979	20.56	0.98	0.81	25.12	3.26
980493010	343.1195	-1.6207	20.37	0.90	0.56	25.04	3.43
980460413	343.1695	-1.3060	19.79	0.65	0.71	24.15	2.97
979213911	342.7656	-1.8797	19.80	0.94	1.08	25.19	4.78
982344073	343.2133	0.2272	18.96	0.49	0.70	24.28	4.64
982339433	343.5009	0.2897	20.39	0.94	0.66	24.98	3.30
982282270	343.3748	0.9053	20.21	0.83	1.07	25.27	4.11
981055668	343.2161	1.2188	19.63	0.58	0.96	25.27	5.37
981023167	343.2316	1.5876	18.97	0.91	0.79	25.11	6.73
981039052	343.3576	1.4136	19.56	0.79	0.66	24.82	4.49
979465399	343.6874	2.1686	18.02	0.63	0.79	24.07	6.48
982899285	343.2529	-0.6683	19.96	0.66	0.64	24.87	3.84
982927311	343.7375	-0.9465	19.17	0.80	0.55	24.24	4.13
982849592	343.2984	-1.6384	17.37	0.69	0.94	24.32	9.75
982791401	343.9025	-1.0797	20.00	0.54	0.48	24.46	3.11
980231514	343.6433	-1.8942	18.72	0.62	0.67	24.29	5.21
983955772	344.3474	0.4192	20.01	0.78	0.52	24.42	3.05
983627952	344.5583	1.1818	19.71	0.60	0.62	24.12	3.04
982111205	344.0797	2.0305	20.18	0.82	0.72	24.53	2.96
982112016	344.4343	2.0149	19.27	0.54	0.54	25.03	5.67
984027334	344.0368	-1.3397	20.25	0.71	0.72	24.93	3.44
984011475	344.1059	-1.2076	17.20	0.77	0.49	24.58	11.92
984055870	344.1596	-1.6676	19.84	0.80	0.66	24.88	4.06
984059248	344.1844	-1.7058	18.82	0.85	0.61	24.06	4.45
982428140	344.2522	-2.2994	18.45	0.57	0.60	24.02	5.18
982429555	344.4989	-2.3145	19.38	0.39	0.40	24.49	4.19
986369058	344.8959	-0.2452	20.68	0.90	0.53	25.09	3.04
987154633	345.3020	0.5089	19.12	0.54	0.52	24.67	5.15
985800354	344.7935	1.3060	19.53	0.72	0.85	24.36	3.68
985758554	344.7940	1.7739	20.47	0.42	0.72	24.57	2.63
985776685	344.9665	1.5605	20.27	0.92	0.69	24.62	2.97
985764052	345.2539	1.6961	20.06	0.55	0.96	24.97	3.83
985630872	345.1286	-1.7532	20.63	0.62	0.54	24.99	2.98
984896113	344.9930	2.0601	19.64	0.78	0.53	24.41	3.58
987472750	345.5233	-0.3059	20.46	0.87	0.49	25.20	3.54
988182313	345.4857	0.9926	21.35	0.89	0.60	25.22	2.37
988227962	345.5575	0.5749	21.53	0.82	0.39	25.42	2.40
986975989	345.7337	1.5882	20.88	0.94	0.97	25.48	3.33
986298797	345.7382	-1.6399	17.48	0.34	0.37	24.31	9.30
986295434	345.8355	-1.5720	19.77	0.86	0.70	24.39	3.36
995540786	346.1174	-0.2337	19.57	0.72	0.34	24.53	3.90
995532355	346.3376	-0.1527	19.38	0.79	0.60	24.29	3.81
994194055	346.3823	0.2031	19.31	0.96	0.46	24.45	4.26
994195369	346.5889	0.1843	20.54	0.65	1.22	25.53	3.99
993256282	346.0923	0.4350	19.43	0.45	0.35	24.96	5.11
993208390	346.2314	0.8923	20.11	0.93	0.42	24.32	2.77
989381191	346.5974	1.5215	19.31	0.81	0.52	25.34	6.41
995724010	346.4044	-0.9426	19.68	0.56	0.48	24.37	3.45
993644856	346.6691	-1.3087	19.67	0.78	0.56	24.41	3.54

994361832	346.9817	-0.0919	19.33	0.65	0.35	24.23	3.81
993296536	347.3798	0.7610	19.54	0.89	0.45	24.28	3.55
995028048	346.8401	-0.5164	19.36	0.79	0.38	24.63	4.51
995039308	347.2497	-0.6069	20.34	0.73	0.27	24.82	3.14
995059796	347.3212	-0.8002	20.36	0.86	0.25	25.36	4.00
995054570	347.4144	-0.7415	20.68	0.76	0.46	24.93	2.81
997698825	346.7802	-1.1935	20.21	0.79	0.27	25.18	3.93
992135525	347.2912	-1.9080	20.20	0.89	0.68	24.57	2.99
992139424	347.4378	-1.9481	20.01	0.60	0.62	24.41	3.03
992131805	347.4678	-1.8718	19.33	0.65	0.62	24.87	5.12
992743761	347.9883	0.5247	19.51	0.84	0.47	24.49	3.96
992041911	348.1331	1.8456	19.71	0.88	0.53	24.68	3.93
993005666	347.6107	-0.6949	19.28	0.59	0.40	24.34	4.10
992971800	348.0101	-0.3878	19.67	0.86	0.37	25.32	5.38
992485202	347.5879	-1.5498	19.84	0.71	0.51	24.32	3.14
992445289	348.0584	-1.1480	19.11	0.74	0.58	24.48	4.73
998409838	348.4198	0.1444	19.83	0.66	0.38	24.32	3.16
998451218	348.7481	-0.2573	20.44	0.78	0.78	24.60	2.72
999244665	348.8468	1.2290	19.35	0.68	0.83	24.20	3.72
999892183	348.2127	-1.0106	19.43	0.49	0.49	24.92	4.99
999881914	348.7283	-0.9137	19.21	0.91	0.29	24.02	3.66
999153145	348.3414	-1.3503	20.47	0.81	0.25	24.56	2.63
999189768	348.4898	-1.7264	19.58	0.88	0.26	24.02	3.09
999190139	348.7557	-1.7461	19.43	0.42	0.93	25.03	5.27
1001617315	349.4596	0.1821	18.72	0.82	0.59	24.21	5.00
1001012135	348.9709	-0.6990	19.85	0.75	0.62	24.58	3.52
1000959528	349.5974	0.6106	19.54	0.63	0.43	24.72	4.33
1000115826	348.9628	-1.1975	19.10	0.65	0.36	24.34	4.45
1000107935	349.4976	-1.1103	19.91	0.81	0.54	24.35	3.08
1000134808	349.5182	-1.3768	19.23	0.93	0.62	24.56	4.65
1003089375	349.6954	0.3483	20.75	0.64	0.80	25.74	3.97
1003155091	350.1126	-0.3063	20.24	0.81	0.55	24.59	2.96
1003138626	350.1338	-0.1296	20.99	0.83	0.51	25.23	2.81
1003793839	349.6890	0.6651	19.34	0.79	0.53	24.22	3.77
1003820943	350.0337	0.4044	19.84	0.70	0.61	24.82	3.96
1003792947	350.2169	0.6772	20.33	0.86	0.56	24.82	3.16
1003450495	349.8240	1.6408	19.37	0.63	0.52	24.31	3.88
1003439143	350.0089	1.7703	19.21	0.67	0.69	24.10	3.80
1003496286	350.1631	1.1512	19.41	0.74	0.72	24.17	3.57
1003418237	349.8028	-1.0203	19.11	0.75	0.69	24.32	4.41
1003924877	349.6591	-1.1100	21.49	0.69	0.95	25.59	2.63
1003950670	349.6644	-1.3440	20.58	0.47	0.49	25.03	3.10
1003988870	349.7765	-1.7197	18.28	0.67	0.54	24.41	6.72
1003982774	350.0072	-1.6342	19.26	0.72	0.58	24.25	3.98
1001081517	350.3564	1.8713	17.93	0.91	0.62	24.71	9.07
1002521522	350.1765	-2.2168	20.73	0.73	0.45	25.37	3.38
1005925938	350.8977	0.1015	19.32	0.54	0.30	24.22	3.80
1006164299	350.3584	0.4650	20.81	0.83	0.68	25.21	3.02
1004842168	350.4364	1.4517	19.98	0.85	0.65	24.32	2.95
1004808609	350.8184	1.8311	19.40	0.85	0.08	24.34	3.87
1004979065	350.4654	-2.3640	20.05	0.86	0.56	24.19	2.70

1007425271	351.3534	0.5753	19.81	0.89	0.69	24.39	3.29
1006806830	351.2720	1.4253	19.85	0.85	0.40	24.79	3.88
1006816889	351.2799	1.3238	19.39	0.74	0.69	24.56	4.30
1005252012	351.6938	2.2953	18.99	0.70	0.75	24.49	5.04
1007267619	351.3629	-0.3513	20.56	0.71	0.74	24.91	2.96
1009166135	351.9595	0.2223	19.65	0.64	0.53	24.46	3.64
1009162647	352.1590	0.2497	18.93	0.62	0.40	24.02	4.15
1009200238	352.4330	-0.1341	20.31	0.93	0.44	24.37	2.59
1007832786	351.8663	1.5494	19.35	0.66	0.27	25.26	6.07
1009488805	351.9768	-0.9387	18.91	0.67	0.57	24.72	5.80
1008393637	351.8398	-1.5676	20.25	0.48	0.63	25.28	4.05
1008227897	352.0006	-1.2247	19.02	0.63	0.53	24.43	4.83
1011874664	352.6247	0.1246	20.80	0.71	0.68	25.84	4.05
1011862715	352.6785	0.2328	18.78	0.55	0.49	24.68	6.04
1011861512	352.8005	0.2571	20.44	0.67	0.32	25.09	3.41
1011907822	352.9756	-0.2136	20.16	0.93	0.46	24.86	3.47
1011729473	352.5134	0.8418	20.03	0.84	0.50	25.05	4.03
1013539906	353.1801	0.5048	19.97	0.86	0.45	24.25	2.86
1007833414	352.4800	1.5428	20.40	0.80	0.60	24.82	3.06
1011589871	353.1450	1.5043	20.56	0.77	0.72	25.04	3.14
1012436277	352.9741	-0.6356	20.40	0.76	0.66	24.96	3.26
1012473288	353.1423	-0.9958	19.33	0.80	0.62	24.35	4.01
1012492085	352.7850	-1.1474	19.02	0.72	0.52	24.20	4.33
1011103716	352.6064	-2.2516	19.72	0.58	0.54	24.31	3.31
1010966866	353.0357	-2.1573	20.52	0.58	0.76	25.30	3.60
1013532107	353.5087	0.5786	20.15	0.58	0.49	25.39	4.46
1012210048	353.2404	1.4192	19.85	0.59	0.40	24.91	4.09
1012228968	353.8333	1.1902	19.81	0.84	0.68	24.17	2.96
1013153115	353.3607	-0.3576	19.91	0.74	0.64	24.64	3.53
1013341359	353.6026	-0.9130	20.10	0.96	0.71	24.43	2.93
1013325357	353.6794	-0.7571	19.45	0.74	0.45	24.06	3.34
1013018291	353.3878	-1.2997	20.39	0.75	0.32	24.73	2.94
1011386520	353.4690	-1.8153	21.08	0.53	0.16	25.25	2.72
1011382965	353.7317	-1.7797	19.53	0.80	0.47	24.69	4.30
1015844020	354.1955	0.3306	19.69	0.69	0.78	24.44	3.56
1015887766	354.3157	-0.0729	18.90	0.84	0.53	24.28	4.75
1015822634	353.9479	0.5189	19.86	0.74	0.56	24.70	3.72
1015384878	354.0735	0.9842	18.73	0.61	0.74	24.17	4.90
1015820421	354.5276	0.5340	19.08	0.93	0.48	24.86	5.72
1015925845	354.4399	-0.4227	20.31	0.81	0.54	24.92	3.34
1013741402	354.1702	1.1252	19.37	0.90	0.57	24.04	3.42
1012792815	354.1164	2.1407	19.73	0.84	0.67	24.82	4.14
1014053962	353.9570	-1.5620	19.20	0.87	0.62	24.70	5.01
1017409176	354.7089	-0.0052	21.57	0.67	0.60	25.25	2.18
1016471507	354.8187	1.3666	19.81	0.85	0.82	24.99	4.33
1017183067	354.7597	-0.4613	19.54	0.75	0.52	24.10	3.26
1017188005	355.0291	-0.5069	19.92	0.73	0.49	25.18	4.49
1016063649	354.8026	2.2448	19.34	0.53	0.42	24.06	3.51
1018911958	355.5923	0.1938	19.37	0.91	0.67	24.07	3.48
1018904993	355.7876	0.2758	19.82	0.99	0.63	24.69	3.75
1019168063	355.5778	0.6059	19.86	0.83	0.43	24.27	3.03

1019182552	356.0021	0.4453	19.25	0.72	0.84	24.48	4.42
1017954964	355.9855	1.4439	20.14	0.84	0.50	24.27	2.68
1017794984	355.7900	-1.8211	19.34	0.75	0.55	24.34	3.98
1021198916	356.2655	0.1859	21.03	0.89	1.00	25.46	3.07
1021228140	356.3902	-0.1221	20.08	0.80	0.76	24.59	3.18
1021237290	356.5879	-0.2150	19.81	0.87	0.56	24.28	3.13
1020429795	356.0537	0.8209	20.92	0.91	0.78	25.89	3.93
1019751372	356.6378	1.4424	19.47	0.62	0.53	24.26	3.63
1020328740	356.1583	-0.6897	20.42	0.60	0.44	24.04	2.11
1020614116	356.4965	-0.9709	20.05	0.59	0.36	24.75	3.47
1020204362	356.2923	-1.7411	19.12	0.68	0.46	24.03	3.82
1019933602	356.4530	-1.6243	19.34	0.55	0.48	24.00	3.42
1019201192	356.5706	-1.8822	19.47	0.85	0.40	24.13	3.42
1024623523	357.1811	1.5978	20.73	0.86	0.74	24.82	2.62
1024925495	357.2700	-0.5286	19.15	0.85	0.49	24.93	5.71
1024291044	356.9774	-1.6490	20.31	0.85	0.96	24.89	3.29
1024253068	356.9790	-1.2047	18.71	0.75	0.39	24.83	6.66
1024174642	357.1077	-2.3751	18.85	0.56	0.68	24.13	4.54
1025711718	357.7744	-0.8886	19.93	0.49	0.49	24.95	4.04
1025952603	358.2736	1.5174	18.76	0.85	0.64	24.32	5.15
1025977437	358.6414	1.2628	19.32	0.83	0.67	24.14	3.68
1025430878	358.8848	-1.3906	18.67	0.71	0.45	24.05	4.75
1030908085	359.1160	0.6060	20.35	0.74	0.87	25.13	3.61
1030877227	359.5795	0.8965	18.77	0.82	0.42	24.11	4.68
1030351487	359.4164	-0.6514	20.08	0.75	0.55	24.42	2.95
1030683844	359.1890	1.1923	21.59	0.66	0.20	25.42	2.33
1029995986	358.9681	1.9008	20.33	0.90	0.60	25.27	3.89
1029993470	359.6093	1.9238	19.73	0.57	0.52	25.16	4.86
1030253041	358.9780	-1.1808	20.79	0.77	0.59	24.87	2.61
1030285825	359.2218	-1.5596	18.17	0.95	0.53	24.23	6.48
1028806431	359.3154	-3.4892	19.63	0.63	0.56	24.31	3.44
1028824940	359.4593	-3.7314	20.68	0.84	0.44	24.63	2.46
1030716709	359.2010	-4.1720	18.22	0.58	0.52	24.21	6.28
1030312371	359.9018	-4.6719	19.20	0.68	0.55	24.43	4.44
