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# Minor Planet Center



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**MPEC 2013-G54 : DAILY ORBIT UPDATE (2013 APR. 12 UT)**

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M.P.E.C. 2013-G54

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DAILY ORBIT UPDATE (2013 APR. 12 UT)

Update to [MPEC 2013-G46](#)

Full-precision elements for the objects listed here are available at <http://www.minorplanetcenter.org/iau/MPCORB.html>

## New identification:

K01WA1X	K13G53S	MPCW	
K02U710	K13G54J	MPCW	
K04P990	K13G47P	MPCW	
K04TH8W	K13G39J	MPCW	
K05G600	K13G38Z	MPCW	
K05GA7Q	K13G38X	MPCW	
K05V89N	K13G49J	MPCW	
K05W21Y	K13G48A	MPCW	
K06H04S	K13G39X	MPCW	
K06H46R	K13G51Y	MPCW	
K06P26C	K05EM9B	K13G54Q	MPCW
K06U21A	K13G48R	MPCW	
K06UR9V	K13G49F	MPCW	
K07RK8Q	K13G48X	MPCW	
K07T93A	K13G40W	MPCW	
K08C16E	K13G50Z	MPCW	
K08CE9U	K13G48H	MPCW	
K08E86L	K13G47B	MPCW	
K09B41V	K13G39S	MPCW	
K09BB7P	K13G48E	MPCW	
K09BH4D	K13G42F	MPCW	
K09DC1Z	K13G52C	MPCW	
K09J06H	K13G48B	MPCW	
K09K18Y	K13G54W	MPCW	
K09L04V	K06U69W	K13G48Q	MPCW
K10K26G	K13G44J	MPCW	
K10P03D	K13G50V	MPCW	
K10Q02K	K13G47O	MPCW	
K10T89B	K13G43C	MPCW	
K10U65G	K13G44K	MPCW	
K10VJ3N	J99TU0M	K13G39G	MPCW
K11UZ2J	K13F22F	MPCW	

## New double designation:

















K06Y43Z	17.1	0.15	K134I	209.955	265.543	89.767	23.579	0.11217	1.95004	4 X
K07B79D	16.8	0.15	K134I	66.813	18.921	102.835	3.120	0.11678	3.08675	5 X
K07C03N	16.2	0.15	K134I	69.105	314.899	156.322	6.300	0.13909	3.10307	3 X
K07C27G	16.5	0.15	K134I	92.271	269.421	167.361	7.549	0.28285	3.03279	6 X
K07C39F	16.1	0.15	K134I	101.048	290.761	145.274	10.799	0.02916	3.12565	4 X
K07C44K	15.5	0.15	K134I	43.471	0.637	127.778	14.761	0.10849	3.14567	4 X
K07C47Q	15.3	0.15	K134I	20.058	20.555	162.969	18.439	0.15169	3.12936	6 X
K07C57D	15.8	0.15	K134I	14.776	39.846	114.719	29.698	0.19996	3.19974	2 X
K07C71Z	16.5	0.15	K134I	26.570	146.289	21.398	2.421	0.05201	3.07925	7 X
K07C79G	15.5	0.15	K134I	5.344	156.239	35.195	15.820	0.20678	3.16933	3 X
K07C79O	15.5	0.15	K134I	15.129	63.263	132.727	27.775	0.14242	3.09459	3 X
K07D02V	16.2	0.15	K134I	343.812	187.838	21.386	5.372	0.10056	3.14554	5 X
K07D09B	16.4	0.15	K134I	89.538	311.238	144.995	5.142	0.14852	3.11960	5 X
K07D28O	16.3	0.15	K134I	119.276	277.862	151.033	9.700	0.06076	3.17614	6 X
K07D29D	16.6	0.15	K134I	326.577	144.627	93.786	2.342	0.13798	3.20657	6 X
K07D29W	15.9	0.15	K134I	324.392	99.805	158.841	15.764	0.19849	3.15369	3 X
K07D32Y	15.8	0.15	K134I	17.519	40.002	157.747	10.235	0.05972	3.09857	3 X
K07D33X	15.7	0.15	K134I	14.113	21.145	158.054	10.812	0.05395	3.21595	4 X
K07D35B	16.2	0.15	K134I	334.707	251.434	346.830	6.702	0.11738	3.16298	4 X
K07D47P	15.8	0.15	K134I	355.677	48.004	163.283	13.899	0.09866	3.13944	2 X
K07D62Y	16.9	0.15	K134I	5.377	123.639	72.879	3.947	0.19686	3.13760	3 X
K07D70F	16.4	0.15	K134I	292.100	102.206	163.298	11.042	0.03946	3.19504	6 X
K07D82Y	15.8	0.15	K134I	359.589	101.598	119.511	26.147	0.27836	3.17560	4 X
K07D85W	16.2	0.15	K134I	57.537	339.188	155.160	5.469	0.10425	3.11495	6 X
K07D86P	16.1	0.15	K134I	354.887	68.739	145.422	2.585	0.13887	3.08647	4 X
K07D91H	15.8	0.15	K134I	346.189	82.037	151.654	12.529	0.10848	3.06030	4 X
K07D94Z	15.8	0.15	K134I	63.430	102.391	11.958	12.141	0.12424	3.21453	3 X
K07DA1A	16.1	0.15	K134I	332.968	64.292	145.959	10.360	0.03556	3.19387	3 X
K07DB0H	15.9	0.15	K134I	85.025	282.450	172.863	16.352	0.17078	3.16144	7 X
K07E01W	15.5	0.15	K134I	273.771	331.782	346.731	17.349	0.15152	3.04586	4 X
K07E01X	16.5	0.15	K134I	323.871	102.905	169.117	6.646	0.11620	3.04461	5 X
K07EB0K	15.8	0.15	K134I	28.279	22.090	172.719	11.388	0.07157	3.16347	4 X
K07EB4O	15.9	0.15	K134I	14.901	354.373	201.335	10.233	0.19554	3.17933	6 X
K07ED6X	15.5	0.15	K134I	32.376	107.042	52.270	27.402	0.19465	3.23530	4 X
K07EI6J	16.6	0.15	K134I	6.912	76.816	126.004	5.885	0.09309	3.13221	4 X
K07EI9A	15.9	0.15	K134I	192.476	175.253	181.415	12.324	0.08550	3.22438	5 X
K07EL8R	16.0	0.15	K134I	55.359	124.139	8.915	16.952	0.17698	3.19702	3 X
K07F01O	15.0	0.15	K134I	14.103	151.799	54.701	24.273	0.16935	3.14730	4 X
K07F16M	16.6	0.15	K134I	98.134	289.788	157.154	11.311	0.09147	3.10687	4 X
K07F27N	16.1	0.15	K134I	291.139	95.118	178.870	9.412	0.05989	3.17306	4 X
K07F35N	15.4	0.15	K134I	113.195	315.382	131.434	11.401	0.04023	3.15370	4 X
K07G30L	15.7	0.15	K134I	50.203	317.194	207.333	26.450	0.14533	3.20338	5 X
K07G32B	16.1	0.15	K134I	26.401	2.612	186.224	15.000	0.15583	3.20484	4 X
K07G35K	15.9	0.15	K134I	256.397	280.183	48.809	9.338	0.06429	3.24410	7 X
K07G51T	15.6	0.15	K134I	172.751	219.498	196.208	22.251	0.07558	3.19465	6 X
K07G52J	20.0	0.15	K134I	359.818	171.420	29.188	11.328	0.23483	2.09449	3 X
K07N04Z	17.2	0.15	K134I	201.987	254.086	107.437	5.383	0.27637	2.28339	6 X
K07P19P	18.3	0.15	K134I	259.302	130.069	182.873	4.409	0.17744	2.23137	4 X
K07P24Q	17.4	0.15	K134I	224.639	167.085	180.124	5.522	0.17748	2.27671	5 X
K07P26F	17.3	0.15	K134I	207.935	235.328	126.224	3.534	0.17874	2.28726	6 X
K07P28M	17.9	0.15	K134I	247.642	154.778	176.096	5.119	0.20114	2.24057	4 X
K07P42S	17.6	0.15	K134I	260.193	179.345	147.520	6.579	0.27775	2.22419	5 X
K07P46B	18.5	0.15	K134I	280.273	145.514	154.612	5.739	0.18916	2.21864	5 X
K07Q08J	17.1	0.15	K134I	177.897	356.963	19.050	4.576	0.20616	2.36632	5 X
K07Q13T	17.6	0.15	K134I	209.848	325.866	24.319	5.182	0.12249	2.32037	6 X
K07R10D	17.0	0.15	K134I	219.578	175.442	193.061	9.583	0.21276	2.26897	6 X
K07R33T	17.2	0.15	K134I	194.607	176.714	187.626	10.800	0.18574	2.37823	5 X
K07R37H	17.0	0.15	K134I	177.387	208.143	170.562	2.621	0.24018	2.37857	5 X
K07R38N	17.7	0.15	K134I	266.030	186.570	140.527	5.517	0.20709	2.22523	5 X
K07R41X	18.7	0.15	K134I	283.073	244.216	66.147	3.395	0.24213	2.21294	2 W
K07R55B	16.8	0.15	K134I	51.863	285.371	188.651	28.329	0.36049	2.59484	5 X
K07R66K	18.0	0.15	K134I	155.260	224.587	171.736	4.799	0.22632	2.37953	3 X
K07R84H	17.9	0.15	K134I	283.913	186.933	136.002	4.300	0.18095	2.19902	8 X
K07R93L	17.4	0.15	K134I	281.726	252.538	44.624	5.563	0.15966	2.26136	5 X
K07R98M	17.1	0.15	K134I	262.158	286.026	38.024	6.125	0.20862	2.25659	5 X
K07R98P	17.2	0.15	K134I	121.718	22.077	42.833	7.595	0.11342	2.44511	4 X
K07RA2Y	17.0	0.15	K134I	143.866	253.965	152.486	2.786	0.18479	2.41612	5 X
K07RB7P	17.6	0.15	K134I	260.696	114.281	194.375	6.174	0.09805	2.30081	4 X
K07RE2O	17.1	0.15	K134I	203.373	346.231	21.463	11.615	0.29013	2.35763	6 X
K07RH4Y	17.1	0.15	K134I	154.413	345.762	44.893	5.909	0.18831	2.43026	4 X
K07RK8Q	18.4	0.15	K134I	292.541	166.901	120.253	2.342	0.17430	2.24672	3 W
K07RK8S	17.5	0.15	K134I	107.615	359.316	69.840	2.622	0.15763	2.46655	5 X
K07RK9R	17.7	0.15	K134I	137.821	13.187	39.670	5.266	0.16271	2.41872	3 X
K07RN8T	17.5	0.15	K134I	239.794	275.876	57.840	6.010	0.14445	2.26212	6 X
K07RO0B	17.5	0.15	K134I	258.155	271.660	54.575	8.008	0.26106	2.23968	5 X
K07RS5G	17.4	0.15	K134I	283.890	270.527	20.089	5.344	0.16087	2.27341	3 X
K07RW2T	18.0	0.15	K134I	223.597	146.324	199.896	5.759	0.13484	2.30190	4 X
K07S20A	17.5	0.15	K134I	168.963	201.911	190.335	7.226	0.05248	2.40130	4 X
K07S22B	17.3	0.15	K134I	297.037	221.324	59.664	5.622	0.19384	2.26947	4 X
K07T10C	17.7	0.15	K134I	191.729	324.233	45.108	2.349	0.19901	2.36637	4 X
K07T64S	17.3	0.15	K134I	221.060	193.760	154.445	1.736	0.20069	2.35651	5 X

K07T82K	17.7	0.15	K134I	131.835	280.076	133.430	3.895	0.11956	2.39253	4	X
K07T93A	17.6	0.15	K134I	267.818	143.948	170.097	4.843	0.16567	2.29736	4	W
K07TB4D	17.3	0.15	K134I	212.305	343.117	3.376	6.493	0.15679	2.37396	6	X
K07TB8F	17.8	0.15	K134I	80.365	254.781	185.713	5.801	0.32355	2.61612	3	X
K07TC2V	17.8	0.15	K134I	268.485	123.395	186.019	4.619	0.16751	2.30673	3	X
K07TE0V	17.8	0.15	K134I	302.573	141.922	138.074	3.247	0.17702	2.29131	4	X
K07TF3Y	17.2	0.15	K134I	280.184	35.683	267.859	4.338	0.14040	2.27425	4	X
K07TF7O	17.1	0.15	K134I	264.152	78.220	210.757	9.793	0.20022	2.33365	5	X
K07TH2D	17.4	0.15	K134I	220.393	234.072	119.415	2.908	0.19402	2.33197	6	X
K07TH5F	17.3	0.15	K134I	165.537	2.359	30.394	8.606	0.10223	2.41987	4	X
K07TI2J	17.2	0.15	K134I	198.210	289.865	72.242	7.251	0.26007	2.37717	5	X
K07TI2P	16.8	0.15	K134I	181.416	296.321	101.076	10.724	0.12535	2.36680	5	X
K07TI5Y	17.0	0.15	K134I	189.046	329.119	45.455	8.199	0.11664	2.36870	6	X
K07TO0K	17.8	0.15	K134I	230.480	147.508	193.492	5.241	0.14337	2.33399	4	X
K07TP9X	16.5	0.15	K134I	25.342	106.756	38.956	27.411	0.25973	2.63596	2	X
K07TR4H	17.6	0.15	K134I	147.065	13.561	29.085	2.964	0.18932	2.38848	4	X
K07TV6J	17.7	0.15	K134I	50.971	306.735	183.528	2.981	0.17332	2.57156	5	X
K07TV8O	17.4	0.15	K134I	66.214	55.228	52.031	5.714	0.18635	2.60898	4	X
K07TX1T	17.6	0.15	K134I	210.634	337.856	13.369	5.822	0.14193	2.39674	4	X
K07TX8K	17.5	0.15	K134I	292.084	265.661	18.659	7.878	0.12180	2.29346	5	X
K07TZ3G	17.3	0.15	K134I	88.405	261.179	179.689	2.857	0.25494	2.56042	5	X
K07TZ6P	17.4	0.15	K134I	252.415	177.666	151.401	6.763	0.19676	2.26289	4	X
K07TZ7E	16.9	0.15	K134I	190.832	333.306	40.030	6.951	0.15243	2.38653	5	X
K07Ta7E	17.0	0.15	K134I	69.892	63.131	17.600	30.400	0.27923	2.60529	3	X
K07Td7P	17.3	0.15	K134I	275.533	183.283	106.504	8.814	0.10703	2.34199	2	X
K07Th9S	17.3	0.15	K134I	220.776	172.106	171.490	7.348	0.04504	2.39007	5	X
K07Tf0H	17.3	0.15	K134I	141.274	316.404	91.575	3.004	0.17919	2.44154	6	X
K07Tg2X	17.9	0.15	K134I	274.466	248.295	63.262	5.594	0.16432	2.32217	6	X
K07Tg5E	17.6	0.15	K134I	255.292	251.133	55.724	6.127	0.04365	2.41334	5	X
K07Th0N	17.3	0.15	K134I	2.613	99.747	108.395	6.062	0.11194	2.43570	6	X
K07Ti7R	16.8	0.15	K134I	172.899	315.517	71.951	6.829	0.03914	2.40351	3	X
K07U01U	17.6	0.15	K134I	115.735	27.059	37.863	1.426	0.18210	2.53649	4	X
K07U02K	17.4	0.15	K134I	211.112	290.783	68.553	6.562	0.26564	2.33451	5	X
K07U05C	17.9	0.15	K134I	266.050	167.210	149.289	2.666	0.21343	2.27354	4	X
K07U06A	16.2	0.15	K134I	96.878	63.565	359.830	9.484	0.19908	2.63126	4	X
K07U18C	17.5	0.15	K134I	224.893	221.126	125.389	3.462	0.23603	2.31548	5	X
K07U57B	16.8	0.15	K134I	306.257	201.748	47.087	7.153	0.10688	2.46365	4	X
K07U96T	17.9	0.15	K134I	250.737	48.204	271.895	0.775	0.19108	2.35978	5	X
K07U99G	17.7	0.15	K134I	242.868	270.504	59.999	5.812	0.13151	2.38284	6	X
K07UC9N	17.2	0.15	K134I	186.996	320.749	79.483	6.761	0.08609	2.39007	5	X
K07V07S	17.2	0.15	K134I	208.708	180.756	177.201	6.481	0.23667	2.36208	6	X
K07V08N	17.2	0.15	K134I	237.204	263.293	70.916	3.175	0.22923	2.33704	5	X
K07VA3K	17.1	0.15	K134I	120.785	19.472	50.970	6.538	0.10446	2.44012	3	X
K07VB6G	17.3	0.15	K134I	7.463	54.690	120.714	4.194	0.18503	2.63747	2	X
K07VG2D	17.1	0.15	K134I	282.364	246.617	37.459	7.147	0.09599	2.44147	4	X
K07VH8S	16.5	0.15	K134I	44.453	68.712	50.584	13.942	0.21837	2.63953	3	X
K07VL3Q	17.7	0.15	K134I	90.498	352.795	86.509	6.579	0.21430	2.59859	3	X
K07VL9K	17.4	0.15	K134I	203.131	313.942	48.952	1.793	0.18488	2.42836	5	X
K07VP1U	16.6	0.15	K134I	61.123	13.236	95.909	10.559	0.29723	2.67786	4	X
K07VT0B	17.0	0.15	K134I	119.171	352.185	68.696	6.824	0.20504	2.56016	4	X
K07VT8H	16.7	0.15	K134I	70.159	330.262	119.214	14.826	0.21357	2.62706	4	X
K07W19F	17.6	0.15	K134I	283.651	187.947	133.045	2.823	0.25349	2.27467	5	X
K07W49Y	17.4	0.15	K134I	282.650	179.615	140.555	2.757	0.24068	2.27203	4	X
K07W50T	16.8	0.15	K134I	252.133	226.605	90.263	5.671	0.07745	2.42727	7	X
K07W52U	16.8	0.15	K134I	66.156	21.962	96.695	10.519	0.16365	2.56937	6	X
K07W55S	16.2	0.15	K134I	123.326	318.370	69.437	34.130	0.28894	2.60249	4	X
K07X14Q	17.3	0.15	K134I	104.771	21.769	61.357	2.357	0.10569	2.56620	5	X
K07X18V	17.1	0.15	K134I	87.349	41.534	50.015	5.308	0.20124	2.61183	4	X
K07X20L	17.6	0.15	K134I	98.964	351.234	85.371	5.537	0.17040	2.61293	5	X
K07X22H	17.2	0.15	K134I	95.924	13.600	70.632	6.374	0.15407	2.60457	4	X
K07X33G	17.1	0.15	K134I	78.270	87.587	0.970	5.315	0.14247	2.69213	5	X
K07X45E	17.5	0.15	K134I	230.760	246.978	94.990	3.145	0.21895	2.41698	5	X
K07X51H	17.4	0.15	K134I	53.874	40.225	86.604	4.045	0.14139	2.63816	6	X
K07X55P	17.2	0.15	K134I	224.395	227.543	126.700	4.793	0.11116	2.38805	6	X
K07Y00T	16.7	0.15	K134I	69.462	62.005	81.759	12.959	0.12818	2.57574	4	X
K07Y09K	17.0	0.15	K134I	226.904	296.619	56.804	7.923	0.28510	2.41775	6	X
K07Y20Y	17.0	0.15	K134I	103.181	30.638	54.486	7.648	0.18440	2.61748	3	X
K07Y28K	16.7	0.15	K134I	31.869	329.637	207.271	7.007	0.16270	2.73965	6	X
K07Y62C	17.1	0.15	K134I	58.311	54.318	89.512	5.321	0.11839	2.68133	4	X
K07Y66E	17.4	0.15	K134I	24.611	76.814	94.568	2.894	0.20981	2.73558	5	X
K07Y67R	16.8	0.15	K134I	245.579	283.899	55.462	6.918	0.17974	2.45293	5	X
K08A17G	17.3	0.15	K134I	97.681	308.754	145.320	2.972	0.05685	2.69183	5	X
K08A21C	16.7	0.15	K134I	298.249	149.481	119.543	5.777	0.07361	2.70801	7	X
K08A23J	17.4	0.15	K134I	27.308	78.774	94.300	4.495	0.12935	2.74294	3	X
K08A56M	17.7	0.15	K134I	81.749	338.735	122.509	5.635	0.11110	2.69449	3	X
K08A80B	17.5	0.15	K134I	42.092	331.151	177.762	1.352	0.12221	2.74714	3	X
K08A84W	17.1	0.15	K134I	69.573	93.637	357.739	7.088	0.19257	2.77040	4	X
K08A98K	16.9	0.15	K134I	114.895	340.650	90.501	4.873	0.14808	2.67245	3	X
K08AA1T	17.5	0.15	K134I	41.590	326.337	121.348	7.122	0.20427	2.91035	2	X
K08AA2G	16.8	0.15	K134I	116.159	132.994	304.364	5.156	0.14081	2.62576	4	X
K08B42U	16.6	0.15	K134I	48.486	7.269	141.867	9.525	0.13455	2.75632	3	X

K08B50N	17.1	0.15	K134I	199.805	179.952	177.951	6.188	0.04978	2.69198	5 X
K08B53X	15.1	0.15	K134I	229.760	287.563	4.604	11.791	0.06603	3.14010	5 X
K08C03R	16.6	0.15	K134I	114.151	285.641	137.877	8.302	0.20900	2.75411	3 X
K08C16E	16.5	0.15	K134I	152.647	295.461	110.619	13.992	0.00705	2.68583	2 X
K08C16K	16.7	0.15	K134I	41.290	6.340	159.325	5.330	0.09599	2.74090	5 X
K08C20H	17.1	0.15	K134I	64.179	356.697	133.467	9.143	0.25049	2.74651	4 X
K08C24D	16.4	0.15	K134I	150.728	260.324	140.398	4.684	0.07293	2.77329	6 X
K08C25D	16.4	0.15	K134I	23.601	65.934	105.987	4.062	0.11466	2.81048	4 X
K08C38L	16.8	0.15	K134I	195.701	233.012	132.235	7.041	0.04319	2.70170	5 X
K08C60Y	17.5	0.15	K134I	29.092	55.317	108.404	3.582	0.10236	2.80588	5 X
K08C71N	17.0	0.15	K134I	70.143	26.762	84.808	9.289	0.18804	2.73966	4 X
K08CB2D	16.9	0.15	K134I	302.812	147.458	117.694	6.022	0.07510	2.71642	5 X
K08CB9N	16.7	0.15	K134I	339.551	82.335	141.270	5.342	0.15070	2.76957	4 X
K08CC8G	16.6	0.15	K134I	270.118	114.615	160.683	2.339	0.05275	2.83592	5 X
K08CC9O	17.3	0.15	K134I	38.721	18.538	165.196	6.315	0.07113	2.66184	5 X
K08CD8K	17.0	0.15	K134I	359.212	59.803	146.310	8.412	0.16066	2.80296	4 X
K08CE9U	17.1	0.15	K134I	25.617	359.129	168.373	9.637	0.09421	2.80853	4 X
K08CG5V	16.7	0.15	K134I	309.311	240.490	33.281	8.536	0.11493	2.74612	5 X
K08CH8F	16.3	0.15	K134I	325.990	157.519	82.252	8.536	0.09190	2.72283	6 X
K08CJ5E	16.3	0.15	K134I	134.873	286.589	139.666	5.665	0.12041	2.83655	5 X
K08CK0U	16.7	0.15	K134I	45.500	345.206	162.886	6.664	0.07076	2.81900	5 X
K08CK6S	17.4	0.15	K134I	135.454	33.509	21.304	4.173	0.09540	2.76704	5 X
K08CK7S	16.9	0.15	K134I	309.026	74.046	172.229	4.718	0.01732	2.77326	6 X
K08D04W	16.6	0.15	K134I	100.691	311.484	121.270	5.216	0.18372	2.78428	4 X
K08D08K	17.2	0.15	K134I	218.016	332.301	15.474	3.296	0.10118	2.70404	5 X
K08D21W	16.9	0.15	K134I	37.256	307.894	213.420	12.478	0.17203	2.80865	4 X
K08D31L	16.8	0.15	K134I	237.495	162.723	169.530	5.357	0.02139	2.67168	5 X
K08D33P	16.8	0.15	K134I	18.004	158.818	358.672	13.294	0.15628	2.86170	3 X
K08D52C	16.2	0.15	K134I	336.749	126.955	135.736	17.773	0.18694	2.67666	5 X
K08D56V	16.7	0.15	K134I	50.958	69.451	84.448	13.543	0.14455	2.77277	3 X
K08D60X	17.0	0.15	K134I	328.171	111.965	140.905	4.930	0.14899	2.77111	7 X
K08D69W	17.7	0.15	K134I	63.770	303.809	175.181	3.021	0.12822	2.81518	3 X
K08E44C	17.8	0.15	K134I	45.400	115.294	23.002	19.379	0.06437	1.86528	3 X
K08E55G	16.3	0.15	K134I	325.870	149.383	103.534	6.298	0.20162	2.88836	7 X
K08E57T	16.9	0.15	K134I	98.340	307.583	156.479	5.257	0.11164	2.69266	6 X
K08E69Y	15.9	0.15	K134I	324.958	103.040	174.539	20.135	0.17446	2.79979	5 X
K08E70O	18.6	0.15	K134I	103.479	86.529	339.678	20.494	0.07793	1.85034	2 X
K08E76H	18.8	0.15	K134I	293.568	262.318	15.495	21.235	0.13827	1.84747	4 X
K08E78G	17.0	0.15	K134I	127.527	323.064	105.083	3.223	0.05889	2.88699	6 X
K08E86G	16.7	0.15	K134I	354.186	132.665	100.865	4.492	0.13879	2.74429	5 X
K08E86L	16.5	0.15	K134I	70.216	100.463	8.980	19.188	0.10299	2.91185	2 W
K08EB0O	17.1	0.15	K134I	320.769	107.224	149.325	11.696	0.15801	2.72427	3 X
K08EB0X	16.6	0.15	K134I	257.842	240.247	77.612	5.548	0.06612	2.77703	6 X
K08EB7P	16.4	0.15	K134I	9.575	45.215	134.225	26.079	0.08685	2.74331	3 X
K08EE9B	17.1	0.15	K134I	10.826	30.840	184.789	8.992	0.09073	2.80280	6 X
K08EG0Y	16.9	0.15	K134I	357.632	35.389	192.968	9.005	0.14663	2.79839	5 X
K08F12J	16.4	0.15	K134I	271.798	171.208	164.787	34.061	0.20924	2.58384	6 X
K08F54N	16.4	0.15	K134I	295.004	248.173	34.954	7.749	0.09824	2.91989	5 X
K08F75F	16.3	0.15	K134I	119.596	330.761	100.924	6.463	0.10558	2.90715	6 X
K08F81Z	16.4	0.15	K134I	89.564	255.063	178.984	11.977	0.13084	3.01268	4 X
K08F87R	16.8	0.15	K134I	113.627	56.197	16.965	12.854	0.10408	2.92328	3 X
K08F96P	16.3	0.15	K134I	345.916	61.992	146.437	7.496	0.13973	2.96650	3 X
K08FA0J	16.7	0.15	K134I	46.633	328.579	175.092	10.591	0.08429	2.98149	4 X
K08FB6Y	16.3	0.15	K134I	284.637	254.568	37.100	5.308	0.17305	3.00944	4 X
K08FC7R	16.0	0.15	K134I	266.512	123.681	163.832	10.915	0.09938	3.03716	2 X
K08G41N	17.2	0.15	K134I	16.136	359.592	175.450	6.207	0.15976	2.96425	2 X
K08G50B	16.4	0.15	K134I	318.451	24.506	199.286	12.640	0.16429	3.11683	4 X
K08G52L	17.5	0.15	K134I	328.492	58.443	164.446	1.604	0.15167	2.99195	3 X
K08G67L	15.7	0.15	K134I	298.956	215.548	48.468	10.103	0.10763	3.04011	5 X
K08G81K	15.8	0.15	K134I	20.814	97.773	57.039	22.404	0.05096	3.19926	4 X
K08G87W	15.6	0.15	K134I	305.612	92.276	162.666	11.384	0.04912	2.97112	4 X
K08G97E	16.1	0.15	K134I	239.285	266.830	64.792	9.832	0.12114	3.01201	5 X
K08GA3K	16.7	0.15	K134I	166.893	13.305	19.689	5.879	0.03178	2.79391	6 X
K08GC2T	15.9	0.15	K134I	108.346	31.724	44.390	10.939	0.08612	3.02029	3 X
K08GD2L	15.3	0.15	K134I	260.345	245.298	77.155	12.250	0.19637	3.12977	5 X
K08GD4C	16.0	0.15	K134I	183.855	251.493	126.970	11.106	0.07628	3.12716	5 X
K08H02Z	16.2	0.15	K134I	327.577	209.663	48.119	9.237	0.11932	2.78035	3 X
K08H10L	16.8	0.15	K134I	326.390	206.378	27.033	0.669	0.11544	2.98341	7 X
K08H16D	16.7	0.15	K134I	306.836	97.751	200.193	13.359	0.26708	2.98646	5 X
K08H22K	16.9	0.15	K134I	319.675	69.350	191.659	17.403	0.24604	3.05054	2 X
K08H52C	16.9	0.15	K134I	2.585	32.104	159.262	4.144	0.05793	3.03429	5 X
K08H58P	17.7	0.15	K134I	3.242	277.696	261.660	0.928	0.23583	2.96517	3 X
K08H60J	16.5	0.15	K134I	0.281	26.508	169.357	12.253	0.10148	3.03499	4 X
K08H66U	16.1	0.15	K134I	297.727	214.243	78.093	3.800	0.31698	3.08126	5 X
K08J04G	16.2	0.15	K134I	282.340	149.348	159.834	8.152	0.26899	3.10610	5 X
K08J05Y	16.0	0.15	K134I	317.809	207.162	60.578	9.697	0.29580	3.04487	6 X
K08J09X	16.4	0.15	K134I	329.641	127.216	91.145	2.852	0.07162	3.14286	4 X
K08J12W	16.3	0.15	K134I	308.782	151.704	125.000	9.575	0.07070	2.99016	5 X
K08J18D	16.0	0.15	K134I	80.161	37.024	90.215	10.747	0.05807	3.02648	4 X
K08J18K	15.9	0.15	K134I	273.632	117.503	205.716	11.501	0.07821	2.96466	6 X
K08J21Y	15.9	0.15	K134I	262.802	113.691	190.265	12.192	0.16792	3.14054	5 X

K08J21Z	16.8	0.15	K134I	298.161	153.017	146.580	10.045	0.08116	2.85931	7	X
K08J22D	16.2	0.15	K134I	337.808	174.010	68.695	15.249	0.08187	2.96890	4	X
K08J36N	15.8	0.15	K134I	119.610	309.950	130.300	11.055	0.02602	3.12307	5	X
K08K09J	16.9	0.15	K134I	286.181	209.189	91.308	3.147	0.22263	3.07214	3	X
K08K11C	16.6	0.15	K134I	303.068	158.673	115.850	4.853	0.13820	3.01790	6	X
K08K16O	16.2	0.15	K134I	85.872	335.609	149.734	10.609	0.04419	3.03216	4	X
K08L12K	18.2	0.15	K134I	281.374	88.861	198.096	21.363	0.06725	1.89826	6	X
K08L14R	16.2	0.15	K134I	217.312	191.849	157.754	9.685	0.09561	3.17142	5	X
K08SM6Q	17.7	0.15	K134I	60.350	31.856	67.718	6.225	0.12654	2.26755	5	X
K08U43O	18.4	0.15	K134I	116.109	54.754	12.816	2.760	0.09997	2.15625	5	X
K08U49E	18.5	0.15	K134I	102.416	52.839	30.305	4.690	0.15458	2.22247	3	X
K08U98K	16.6	0.15	K134I	77.043	37.950	56.723	24.635	0.14951	2.26161	3	X
K08UC9B	18.0	0.15	K134I	42.764	231.578	235.756	5.948	0.26724	2.35360	3	X
K08UG3R	17.0	0.15	K134I	112.121	337.024	13.392	6.246	0.24172	2.36188	5	X
K08UM9Y	17.7	0.15	K134I	52.628	105.359	32.834	6.243	0.10068	2.24336	4	X
K08US6U	17.9	0.15	K134I	84.832	8.361	94.126	3.721	0.13833	2.19502	5	X
K08V67P	18.6	0.15	K134I	56.032	90.038	42.712	1.992	0.09549	2.20427	4	X
K08V69Y	18.7	0.15	K134I	118.218	12.481	59.130	3.351	0.05921	2.18528	5	X
K08WA5B	18.2	0.15	K134I	194.805	283.836	84.825	2.831	0.03084	2.16180	5	X
K08WC6V	17.8	0.15	K134I	25.672	33.829	144.098	3.482	0.17111	2.40161	4	X
K08WC9B	17.4	0.15	K134I	117.792	18.290	60.823	8.837	0.14562	2.28929	4	X
K08WD6P	17.6	0.15	K134I	132.394	15.911	37.295	5.824	0.12963	2.21878	4	X
K08WE0Q	17.7	0.15	K134I	107.828	67.045	9.339	5.662	0.09338	2.21577	5	X
K08X15A	18.1	0.15	K134I	109.403	340.482	88.943	3.372	0.16394	2.25376	4	X
K08Y12Y	17.4	0.15	K134I	45.837	35.755	110.481	11.167	0.16352	2.34001	4	X
K08Y14E	17.5	0.15	K134I	28.415	22.190	111.300	9.891	0.21637	2.44058	2	X
K08Y22F	17.7	0.15	K134I	134.040	282.939	128.909	2.475	0.13133	2.31381	5	X
K08Y38D	17.1	0.15	K134I	27.788	84.304	100.314	7.748	0.04014	2.22709	7	X
K08Y62G	18.1	0.15	K134I	61.790	290.759	198.186	2.419	0.10938	2.32537	4	X
K08Y62L	18.3	0.15	K134I	165.716	248.870	141.561	4.342	0.14470	2.24152	5	X
K08Y79R	17.2	0.15	K134I	105.245	326.895	137.765	7.533	0.05663	2.27541	3	X
K08YE1K	17.7	0.15	K134I	141.169	313.975	96.517	6.918	0.08548	2.27900	6	X
K08YE5E	18.0	0.15	K134I	94.383	321.252	137.727	6.525	0.04297	2.32543	4	X
K08YG7X	18.0	0.15	K134I	92.557	62.774	21.767	3.191	0.20681	2.32533	5	X
K09A20F	18.2	0.15	K134I	32.027	50.588	104.766	3.158	0.15150	2.36664	3	X
K09A26A	17.6	0.15	K134I	334.612	115.431	123.000	6.826	0.12480	2.28790	5	X
K09B13J	16.8	0.15	K134I	32.235	0.334	140.051	10.208	0.15674	2.43907	3	X
K09B39B	18.2	0.15	K134I	58.255	108.708	16.591	1.669	0.13286	2.39447	5	X
K09B41V	17.7	0.15	K134I	347.277	171.504	31.850	2.634	0.15557	2.44790	3	W
K09B43F	17.7	0.15	K134I	86.085	76.254	17.806	1.303	0.17900	2.37333	4	X
K09B43H	17.8	0.15	K134I	38.178	192.365	330.639	4.007	0.08347	2.35901	5	X
K09B49Y	18.1	0.15	K134I	40.219	45.280	98.858	1.314	0.15247	2.39648	5	X
K09B51F	17.4	0.15	K134I	105.314	306.251	134.856	4.025	0.23820	2.34031	4	X
K09B51J	17.1	0.15	K134I	19.757	44.005	135.390	6.922	0.05472	2.39606	7	X
K09B52Q	17.7	0.15	K134I	21.942	148.370	7.916	1.049	0.13139	2.43374	5	X
K09B54S	17.9	0.15	K134I	74.609	66.739	37.648	1.966	0.14413	2.38359	4	X
K09B55N	18.4	0.15	K134I	80.098	21.234	75.774	1.758	0.17766	2.37445	4	X
K09B72Y	17.2	0.15	K134I	101.044	307.576	127.704	5.405	0.16787	2.39350	5	X
K09B73V	16.6	0.15	K134I	42.370	48.512	60.224	30.633	0.28545	2.54223	3	X
K09B88J	17.7	0.15	K134I	54.174	106.062	11.277	1.583	0.13526	2.43143	4	X
K09B93J	18.3	0.15	K134I	104.772	300.212	148.741	6.996	0.07309	2.34599	4	X
K09B93L	17.6	0.15	K134I	355.750	30.085	170.970	2.137	0.17366	2.42057	2	X
K09B94C	17.8	0.15	K134I	353.344	43.024	161.806	1.926	0.12724	2.40497	5	X
K09B94K	18.1	0.15	K134I	38.609	11.194	141.072	2.073	0.12519	2.39667	3	X
K09BA7D	17.1	0.15	K134I	13.882	78.044	96.648	3.511	0.15464	2.44711	4	X
K09BB5R	18.1	0.15	K134I	1.073	127.650	60.285	2.297	0.11920	2.38063	4	X
K09BB7E	17.7	0.15	K134I	13.948	171.463	4.958	5.023	0.05174	2.40608	5	X
K09BB7P	18.0	0.15	K134I	38.060	82.178	73.467	4.229	0.06804	2.38969	4	X
K09BC6N	18.2	0.15	K134I	55.452	14.238	115.731	2.194	0.11654	2.39898	4	X
K09BC7L	18.0	0.15	K134I	54.965	342.709	148.569	1.755	0.12066	2.39630	4	X
K09BD0Y	17.5	0.15	K134I	127.589	322.847	90.938	4.399	0.18873	2.39194	4	X
K09BD3A	17.4	0.15	K134I	3.787	81.354	119.756	8.034	0.08933	2.32590	4	X
K09BE6R	17.7	0.15	K134I	84.260	266.976	189.385	3.579	0.16879	2.41981	3	X
K09BE8M	17.7	0.15	K134I	345.343	19.204	180.214	4.515	0.03724	2.46110	5	X
K09BF8R	17.4	0.15	K134I	10.709	231.942	320.355	3.778	0.17039	2.42751	3	X
K09BF9E	18.0	0.15	K134I	9.999	212.313	327.413	1.011	0.12406	2.46640	5	X
K09BH4D	18.3	0.15	K134I	11.630	48.447	142.602	1.781	0.11474	2.37704	3	W
K09BH9W	17.0	0.15	K134I	333.435	130.005	106.440	7.779	0.08793	2.38455	6	X
K09BI5N	17.1	0.15	K134I	69.903	352.298	122.690	5.883	0.08294	2.39908	4	X
K09BI9J	17.5	0.15	K134I	329.443	87.990	150.930	5.794	0.12192	2.37552	5	X
K09C20V	17.4	0.15	K134I	118.758	284.738	154.081	5.776	0.12658	2.30033	6	X
K09C23K	18.0	0.15	K134I	341.451	0.550	208.794	1.777	0.12419	2.42575	4	X
K09C29M	17.8	0.15	K134I	64.162	24.435	104.690	2.486	0.13102	2.38536	3	X
K09C30T	17.7	0.15	K134I	97.729	1.913	85.000	2.639	0.14689	2.39053	3	X
K09C30X	17.6	0.15	K134I	359.131	179.096	15.543	2.863	0.13630	2.45771	4	X
K09C48H	16.7	0.15	K134I	101.971	323.249	139.264	6.351	0.07707	2.35985	5	X
K09C49Z	17.3	0.15	K134I	31.106	118.597	32.311	2.702	0.14614	2.42579	5	X
K09C56O	18.0	0.15	K134I	35.902	23.848	149.125	2.547	0.11434	2.41978	5	X
K09C57B	17.3	0.15	K134I	37.267	176.045	350.937	7.027	0.05318	2.39148	4	X
K09C65J	17.6	0.15	K134I	299.414	167.325	112.997	3.321	0.19191	2.37083	4	X
K09D09E	17.6	0.15	K134I	334.246	61.133	196.035	5.656	0.22404	2.40477	4	X

K09D15S	17.6	0.15	K134I	72.175	6.745	119.285	2.537	0.03187	2.36506	5 X
K09D16Q	17.4	0.15	K134I	9.489	49.639	142.580	8.652	0.15256	2.41087	4 X
K09D19S	17.3	0.15	K134I	21.603	104.151	65.902	10.507	0.17466	2.46359	4 X
K09D20Z	17.9	0.15	K134I	121.569	264.302	159.274	2.815	0.13676	2.33026	6 X
K09D29U	17.9	0.15	K134I	286.595	139.823	155.294	1.963	0.19157	2.41060	3 X
K09D32L	17.6	0.15	K134I	6.176	73.546	128.387	2.295	0.13331	2.45600	5 X
K09D40O	17.6	0.15	K134I	346.088	106.991	119.964	2.028	0.14432	2.38740	6 X
K09D55F	17.4	0.15	K134I	315.680	164.668	109.207	2.382	0.17120	2.37390	4 X
K09D60T	17.3	0.15	K134I	154.435	284.548	112.157	5.505	0.07517	2.45419	6 X
K09D75F	17.2	0.15	K134I	336.569	349.976	186.722	1.743	0.22846	2.65356	5 X
K09D84H	17.1	0.15	K134I	215.152	209.952	140.444	5.364	0.08430	2.41869	5 X
K09D87U	16.7	0.15	K134I	307.102	97.625	149.416	15.379	0.08395	2.54807	5 X
K09D96V	17.1	0.15	K134I	325.823	68.072	176.243	17.522	0.25555	2.64529	3 X
K09D97S	17.3	0.15	K134I	103.729	55.394	20.049	5.282	0.19998	2.42148	5 X
K09D97V	17.5	0.15	K134I	319.259	161.860	101.916	1.615	0.22635	2.43034	5 X
K09D99H	17.6	0.15	K134I	57.101	75.994	70.141	2.904	0.11727	2.40343	4 X
K09DA9L	17.7	0.15	K134I	30.652	12.085	156.344	5.768	0.15056	2.41221	3 X
K09DB1S	16.8	0.15	K134I	252.110	159.566	168.545	8.915	0.22114	2.42256	4 X
K09DB8U	17.2	0.15	K134I	332.390	63.840	171.965	1.074	0.12649	2.44391	6 X
K09DB9B	17.7	0.15	K134I	0.001	223.832	329.934	0.402	0.11508	2.47522	5 X
K09DC1Z	18.0	0.15	K134I	341.041	80.882	164.314	11.057	0.20509	2.43112	4 W
K09DC3Z	17.3	0.15	K134I	102.425	259.981	184.799	10.181	0.19149	2.37788	4 X
K09DC7N	17.0	0.15	K134I	263.468	260.949	58.553	3.296	0.20290	2.45101	5 X
K09DC7O	16.6	0.15	K134I	215.341	213.958	139.541	5.765	0.21456	2.45737	4 X
K09DD4K	16.9	0.15	K134I	203.958	328.043	23.260	2.637	0.11678	2.52563	5 X
K09DD6L	16.8	0.15	K134I	320.513	144.987	113.680	14.768	0.22621	2.63734	6 X
K09DD7L	17.9	0.15	K134I	316.519	90.624	173.103	5.315	0.06006	2.42362	5 X
K09DD7M	17.6	0.15	K134I	69.541	314.230	164.941	5.106	0.11879	2.48585	5 X
K09DE1N	17.8	0.15	K134I	322.117	198.185	70.810	2.214	0.17257	2.37143	6 X
K09E17W	17.7	0.15	K134I	322.898	75.837	192.296	4.570	0.17643	2.37689	6 X
K09E21S	17.3	0.15	K134I	24.158	354.083	174.003	6.408	0.14220	2.42381	4 X
K09F15D	17.8	0.15	K134I	331.678	81.899	173.429	2.963	0.17660	2.37640	4 X
K09F20X	17.6	0.15	K134I	55.035	319.778	178.693	2.505	0.13837	2.45728	5 X
K09F20Y	17.3	0.15	K134I	333.327	223.144	354.124	3.320	0.10791	2.53674	5 X
K09F21P	17.3	0.15	K134I	293.371	167.482	121.490	5.519	0.13569	2.45217	5 X
K09F27G	16.7	0.15	K134I	349.534	144.991	38.915	13.550	0.10801	2.63435	3 X
K09F36X	17.6	0.15	K134I	51.055	344.515	169.201	12.375	0.09350	2.45647	3 X
K09F49P	17.5	0.15	K134I	329.833	87.087	149.503	6.565	0.09665	2.46880	4 X
K09F51N	17.3	0.15	K134I	306.137	98.093	171.956	7.543	0.07784	2.41642	6 X
K09F61V	17.8	0.15	K134I	347.226	22.498	177.979	7.925	0.13377	2.56413	6 X
K09F65M	18.5	0.15	K134I	357.228	24.405	181.972	3.105	0.15835	2.48228	3 X
K09F65N	17.5	0.15	K134I	336.947	166.036	84.424	1.838	0.17384	2.44869	6 X
K09F70O	16.5	0.15	K134I	211.711	318.880	15.278	14.353	0.02020	2.55389	4 X
K09F72P	16.8	0.15	K134I	35.942	95.903	73.446	3.394	0.03695	2.53109	9 X
K09F75T	17.2	0.15	K134I	295.460	100.889	181.879	4.285	0.23301	2.61243	5 X
K09F77M	16.5	0.15	K134I	352.044	190.957	22.773	4.272	0.02473	2.56241	5 X
K09G01K	16.4	0.15	K134I	333.969	18.279	224.078	14.291	0.09384	2.59786	5 X
K09H03Y	17.6	0.15	K134I	23.518	127.299	54.221	9.534	0.15361	2.46514	5 X
K09H13S	16.3	0.15	K134I	9.305	155.427	24.423	22.934	0.09349	2.59649	4 X
K09H14G	17.2	0.15	K134I	334.120	152.321	85.762	4.321	0.17803	2.55561	4 X
K09H19L	17.1	0.15	K134I	353.542	94.206	124.162	4.814	0.18918	2.55780	5 X
K09H28W	17.0	0.15	K134I	338.633	177.968	67.796	5.348	0.24245	2.55832	4 X
K09H31N	16.5	0.15	K134I	167.137	251.766	121.659	6.908	0.05458	2.68433	7 X
K09H43B	17.1	0.15	K134I	11.898	146.638	45.212	12.539	0.11885	2.53479	6 X
K09H44H	17.2	0.15	K134I	304.908	86.281	178.094	5.244	0.23260	2.63322	3 X
K09H50V	17.2	0.15	K134I	330.479	44.540	192.654	13.037	0.10151	2.55958	2 X
K09H51K	16.7	0.15	K134I	282.264	235.786	57.857	13.826	0.17521	2.59479	5 X
K09H59L	16.9	0.15	K134I	342.094	133.714	88.520	5.408	0.21990	2.57967	6 X
K09H68D	17.4	0.15	K134I	302.028	85.633	183.809	3.814	0.18310	2.61531	3 X
K09H73B	17.0	0.15	K134I	359.738	109.233	93.543	9.453	0.11126	2.57942	5 X
K09H73J	16.7	0.15	K134I	18.298	50.417	129.716	12.811	0.22820	2.57596	4 X
K09H74H	16.7	0.15	K134I	334.348	128.812	85.373	15.719	0.12932	2.64036	3 X
K09H75G	16.6	0.15	K134I	325.097	137.151	88.968	12.762	0.13920	2.67365	5 X
K09H75P	16.7	0.15	K134I	353.550	93.480	128.915	5.797	0.15121	2.52869	6 X
K09H78E	18.0	0.15	K134I	304.804	164.345	103.612	2.426	0.14344	2.54009	6 X
K09H78W	16.5	0.15	K134I	308.773	244.840	36.453	14.975	0.13132	2.44503	5 X
K09H80S	16.5	0.15	K134I	12.612	49.710	121.816	13.998	0.12614	2.61588	3 X
K09H81E	17.4	0.15	K134I	331.835	50.499	190.044	13.451	0.22674	2.60655	2 X
K09H88H	16.4	0.15	K134I	346.233	170.432	36.720	14.431	0.18422	2.61955	4 X
K09H93W	17.1	0.15	K134I	5.113	61.645	115.689	11.334	0.13074	2.69492	5 X
K09H96C	16.6	0.15	K134I	339.703	116.385	117.874	8.459	0.15086	2.58720	5 X
K09HA4Z	16.6	0.15	K134I	253.261	128.119	188.002	14.178	0.12905	2.65108	3 X
K09HA5C	16.7	0.15	K134I	98.589	31.445	68.061	14.342	0.13597	2.59537	4 X
K09J01X	16.4	0.15	K134I	283.160	170.163	137.812	11.787	0.25055	2.63139	6 X
K09J06H	17.0	0.15	K134I	278.013	128.949	158.292	8.402	0.06526	2.66025	2 X
K09K01P	16.7	0.15	K134I	284.615	249.635	65.471	11.881	0.24356	2.59493	5 X
K09K01X	17.1	0.15	K134I	350.025	134.817	82.199	4.758	0.21205	2.58829	3 X
K09K02K	16.4	0.15	K134I	321.080	78.012	191.683	12.663	0.16908	2.56782	5 X
K09K07A	16.4	0.15	K134I	350.881	83.517	126.467	18.390	0.23027	2.59831	3 X
K09K07O	16.9	0.15	K134I	337.844	164.281	78.653	13.956	0.22467	2.58271	4 X
K09K08B	16.4	0.15	K134I	311.642	131.537	145.914	11.687	0.17621	2.61739	6 X

K09K15D	17.0	0.15	K134I	331.183	173.093	78.018	6.068	0.18219	2.60190	7	X
K09K16Y	17.5	0.15	K134I	356.740	43.154	169.523	3.962	0.13207	2.57826	6	X
K09K18Y	17.8	0.15	K134I	318.516	174.904	113.224	6.093	0.20633	2.67522	5	W
K09K22A	16.6	0.15	K134I	359.174	112.009	98.669	28.586	0.25935	2.56220	4	X
K09K23V	17.8	0.15	K134I	23.143	12.149	166.948	6.841	0.19883	2.56171	6	X
K09K24J	16.4	0.15	K134I	118.671	238.791	199.497	21.468	0.04605	2.66664	4	X
K09L04V	16.5	0.15	K134I	216.640	274.267	69.949	6.685	0.01650	2.68817	6	X
K09M05Y	16.8	0.15	K134I	309.946	144.792	115.048	14.354	0.22973	2.66799	3	X
K09M09X	15.9	0.15	K134I	254.685	177.091	138.802	10.045	0.12990	3.05199	6	X
K09O25R	15.6	0.15	K134I	244.594	292.205	33.961	9.383	0.14425	3.06052	5	X
K09Q50Y	15.5	0.15	K134I	228.951	350.111	354.067	9.584	0.08566	3.16574	5	X
K09Q58X	16.2	0.15	K134I	241.747	149.288	182.727	17.805	0.23491	3.13308	5	X
K09R58S	15.5	0.15	K134I	299.935	256.283	30.702	20.948	0.29847	3.11104	4	X
K09R65Q	15.1	0.15	K134I	238.417	278.827	60.601	22.223	0.19044	3.17074	4	X
K09R74V	16.0	0.15	K134I	204.180	179.611	211.559	16.568	0.13231	3.17776	5	X
K09S12R	15.6	0.15	K134I	262.994	140.015	182.010	15.101	0.05590	3.15608	4	X
K09S57C	19.3	0.15	K134I	83.779	270.287	201.483	23.192	0.09196	1.80027	2	X
K09SA4Q	20.9	0.15	K134I	29.981	95.486	56.592	4.016	0.27967	1.28460	2	K
K09SD1D	16.5	0.15	K134I	288.231	136.984	176.277	5.863	0.21396	3.03998	5	X
K09SG1P	16.2	0.15	K134I	289.285	98.027	192.717	2.896	0.20346	2.97393	4	X
K09SG3J	16.3	0.15	K134I	306.205	250.192	21.839	9.744	0.23934	3.07452	2	X
K09SL1X	16.9	0.15	K134I	295.314	359.387	292.829	0.162	0.17826	3.16245	4	W
K09SL5S	16.7	0.15	K134I	283.353	103.468	186.833	14.976	0.21647	3.15645	3	X
K09SN6L	15.4	0.15	K134I	276.920	281.708	18.813	26.257	0.21092	3.07885	2	X
K09SN8V	14.8	0.15	K134I	259.980	285.294	41.248	19.386	0.16865	3.19836	5	X
K09SO7J	15.6	0.15	K134I	305.900	252.895	30.354	20.293	0.29472	3.04025	4	X
K09SQ3B	15.9	0.15	K134I	306.362	195.810	88.927	3.626	0.17365	3.05044	6	X
K09SR0G	15.3	0.15	K134I	273.359	286.845	21.664	25.507	0.21367	3.16956	3	X
K09SV2Q	16.5	0.15	K134I	269.940	269.923	37.501	1.865	0.20090	3.10466	7	X
K09SY9E	16.6	0.15	K134I	288.191	207.535	97.573	1.089	0.29512	3.09359	5	X
K09T19U	15.7	0.15	K134I	184.338	329.323	49.071	3.770	0.02025	3.84751	4	W
K09U03M	17.9	0.15	K134I	349.062	128.377	162.779	12.696	0.78847	2.43378	4	X
K09WE3G	16.0	0.15	K134I	292.602	265.760	41.793	18.973	0.20608	3.11166	5	X
K10A08Q	17.6	0.15	K134I	98.333	346.988	113.319	24.995	0.02669	1.91217	2	X
K10EA4D	17.9	0.15	K134I	0.107	192.723	14.624	19.458	0.07266	1.99954	5	X
K10G24A	21.1	0.15	K134I	338.761	237.403	30.880	7.694	0.54608	2.09604	2	X
K10JF1Q	18.2	0.15	K134I	289.834	45.210	229.290	1.325	0.17481	2.19505	5	X
K10K26G	16.9	0.15	K134I	179.316	346.677	38.735	12.983	0.08858	2.59662	2	X
K10K38G	18.0	0.15	K134I	212.579	210.933	143.391	6.304	0.11149	2.23297	5	X
K10L37O	17.2	0.15	K134I	178.215	198.926	177.061	4.256	0.08399	2.76529	5	X
K10L85M	17.1	0.15	K134I	179.378	352.621	26.404	4.362	0.08209	2.75660	6	X
K10LC0V	17.8	0.15	K134I	319.890	274.900	356.439	4.619	0.21619	2.33748	6	X
K10M37W	17.0	0.15	K134I	215.718	289.842	62.051	7.067	0.16132	2.70743	6	X
K10M46E	16.8	0.15	K134I	266.899	111.162	185.129	11.324	0.20634	2.59711	5	X
K10M61K	18.2	0.15	K134I	309.433	104.399	185.373	4.658	0.23189	2.33850	5	X
K10M65Z	17.0	0.15	K134I	260.782	131.077	181.507	10.411	0.12404	2.60456	5	X
K10N05W	17.1	0.15	K134I	257.360	98.124	205.990	0.864	0.19092	2.42298	6	X
K10N11W	15.8	0.15	K134I	153.166	229.705	154.905	13.253	0.06062	3.12597	5	X
K10N12P	16.7	0.15	K134I	126.347	264.739	151.341	4.439	0.10672	3.14934	6	X
K10N19P	15.7	0.15	K134I	111.608	56.135	15.024	9.756	0.10798	3.17608	4	X
K10N53V	16.9	0.15	K134I	242.387	184.000	137.870	5.685	0.09341	2.78024	3	X
K10N53Y	16.0	0.15	K134I	156.610	356.108	37.875	10.489	0.18510	3.08543	3	X
K10N61K	16.7	0.15	K134I	263.758	154.254	151.106	6.494	0.11594	2.70681	7	X
K10N63G	15.9	0.15	K134I	140.004	26.497	15.275	10.120	0.07911	3.16272	4	X
K10N71T	15.7	0.15	K134I	141.238	42.239	12.476	23.283	0.16840	3.10551	4	X
K10NB2Z	15.4	0.15	K134I	188.454	172.923	178.714	17.037	0.16040	3.08820	4	X
K10O24H	17.1	0.15	K134I	258.239	171.377	155.510	5.572	0.24791	2.56467	6	X
K10O40P	17.2	0.15	K134I	246.680	146.019	189.667	12.989	0.28546	2.59789	3	X
K10O43B	16.0	0.15	K134I	313.577	13.559	250.412	7.659	0.10226	2.70814	5	X
K10O49O	17.4	0.15	K134I	262.134	280.236	37.112	11.902	0.19746	2.62770	4	X
K10O86H	16.9	0.15	K134I	236.507	301.255	43.220	12.473	0.31642	2.64124	4	X
K10OC4K	15.5	0.15	K134I	132.297	27.211	42.971	28.726	0.19076	3.19432	5	X
K10P03D	17.6	0.15	K134I	135.207	28.372	26.360	9.765	0.17070	2.20921	2	X
K10P19H	16.1	0.15	K134I	160.151	199.475	195.857	8.955	0.08265	3.16523	5	X
K10P25A	17.8	0.15	K134I	271.044	134.797	174.126	6.210	0.19047	2.39225	3	X
K10P53W	16.7	0.15	K134I	238.376	184.363	163.791	7.885	0.32252	2.63420	5	X
K10P57K	17.3	0.15	K134I	302.962	96.233	170.202	1.370	0.16520	2.38381	5	X
K10P62H	17.8	0.15	K134I	284.336	268.306	30.505	3.688	0.21193	2.41168	4	X
K10P75M	16.5	0.15	K134I	232.507	214.180	157.199	9.807	0.16127	2.40099	4	X
K10P77N	17.3	0.15	K134I	241.882	150.643	187.781	1.058	0.20616	2.45344	5	X
K10Q02K	17.2	0.15	K134I	259.007	208.974	110.442	2.641	0.18891	2.43363	8	W
K10Q04C	17.9	0.15	K134I	285.253	275.464	23.885	1.342	0.18866	2.38382	4	X
K10R47M	17.1	0.15	K134I	222.003	163.632	186.639	17.251	0.19478	2.68422	5	X
K10R51F	15.4	0.15	K134I	69.311	105.663	14.538	9.956	0.04607	3.05883	5	X
K10R85R	17.2	0.15	K134I	207.032	273.679	84.939	2.965	0.08951	2.66618	5	X
K10RA1B	17.0	0.15	K134I	271.056	289.714	356.870	11.287	0.15413	2.74420	5	X
K10RA6S	16.5	0.15	K134I	243.307	306.538	14.783	1.767	0.06901	2.81273	5	X
K10RA7W	16.5	0.15	K134I	197.138	167.704	191.993	13.040	0.01787	2.98339	5	X
K10RB6A	16.2	0.15	K134I	115.021	268.743	171.409	10.279	0.01965	3.01032	5	X
K10RC6D	17.6	0.15	K134I	294.090	219.009	74.461	3.125	0.22706	2.42464	4	X
K10RD9T	16.5	0.15	K134I	180.161	205.988	165.560	6.274	0.08480	2.83352	6	X

K10RE7P	17.2	0.15	K134I	278.438	271.694	23.357	5.010	0.09736	2.70208	7 X
K10RF5O	16.9	0.15	K134I	236.822	267.130	63.236	4.605	0.12808	2.73605	6 X
K10RG6U	17.6	0.15	K134I	285.357	179.723	113.519	2.643	0.17812	2.44418	3 X
K10RH7Q	16.8	0.15	K134I	270.199	173.877	122.981	4.280	0.07853	2.76954	5 X
K10RI3L	16.9	0.15	K134I	268.143	294.906	8.224	14.939	0.18416	2.65506	3 X
K10S02Q	15.9	0.15	K134I	335.054	200.052	21.253	19.908	0.15768	3.10486	3 X
K10S09V	17.0	0.15	K134I	211.408	171.305	183.150	12.424	0.11650	2.74781	3 X
K10S13F	17.1	0.15	K134I	186.189	319.183	50.147	10.076	0.14501	2.85443	3 X
K10S19F	16.6	0.15	K134I	209.538	285.333	68.747	3.021	0.10958	2.85325	6 X
K10S25L	16.3	0.15	K134I	189.243	170.091	180.051	9.998	0.06038	3.02109	3 X
K10S32S	17.6	0.15	K134I	280.503	210.413	85.033	4.050	0.13119	2.56822	6 X
K10S32X	16.5	0.15	K134I	278.489	129.420	147.658	7.146	0.01304	2.85733	6 X
K10S40T	16.9	0.15	K134I	216.715	191.112	159.813	4.825	0.10997	2.80964	6 X
K10T01D	16.5	0.15	K134I	63.570	97.973	20.524	4.477	0.11487	3.21103	5 X
K10T01G	17.5	0.15	K134I	279.328	107.548	184.045	1.915	0.18152	2.63979	4 X
K10T10H	16.6	0.15	K134I	255.824	114.176	189.923	3.934	0.08672	2.75612	8 X
K10T30P	17.0	0.15	K134I	130.935	88.077	326.326	1.218	0.06302	3.10565	5 X
K10T33P	16.8	0.15	K134I	347.230	31.323	190.750	10.506	0.05600	2.84969	5 X
K10T34K	17.3	0.15	K134I	266.598	281.184	33.300	9.758	0.21355	2.57647	4 X
K10T50J	17.3	0.15	K134I	271.407	187.277	136.244	4.551	0.30308	2.40580	4 X
K10T55C	17.1	0.15	K134I	224.741	268.164	72.124	3.136	0.07703	2.86121	5 X
K10T77Y	17.1	0.15	K134I	308.187	243.298	24.919	13.601	0.17925	2.60615	3 X
K10T81V	16.2	0.15	K134I	193.763	350.706	8.401	9.989	0.11256	3.03227	4 X
K10T84N	16.1	0.15	K134I	84.216	70.676	27.577	5.509	0.10791	3.19827	5 X
K10T84U	17.2	0.15	K134I	272.437	175.241	118.604	1.702	0.04971	2.75148	6 X
K10T84Y	16.9	0.15	K134I	221.529	288.787	52.234	2.646	0.08307	2.79605	6 X
K10T86Q	15.9	0.15	K134I	103.227	53.085	30.219	10.915	0.05971	3.09226	4 X
K10T89B	17.0	0.15	K134I	267.913	274.973	28.985	11.754	0.07355	2.68893	4 W
K10T94Z	17.1	0.15	K134I	341.469	185.675	45.787	3.120	0.15143	2.62670	3 X
K10T96C	17.8	0.15	K134I	317.866	248.314	28.782	3.455	0.23287	2.38699	5 X
K10TA3S	17.0	0.15	K134I	254.935	263.582	47.545	4.822	0.06622	2.76210	5 X
K10TB2Q	16.4	0.15	K134I	15.357	185.466	347.836	2.118	0.08244	3.14984	4 X
K10TB5M	16.9	0.15	K134I	267.972	111.104	193.548	4.312	0.09992	2.72939	4 X
K10TB7G	17.4	0.15	K134I	213.354	292.467	59.122	3.010	0.08016	2.87910	5 X
K10TF7S	16.3	0.15	K134I	88.935	66.231	37.614	9.854	0.05031	3.08983	3 X
K10TF8Y	16.7	0.15	K134I	185.250	263.869	108.759	3.100	0.11736	2.94852	6 X
K10U09Y	15.8	0.15	K134I	161.404	357.775	38.878	9.272	0.08552	3.15530	6 X
K10U31Q	15.7	0.15	K134I	140.082	13.255	37.092	16.551	0.10036	3.18562	4 X
K10U42B	16.5	0.15	K134I	159.947	352.539	39.949	12.168	0.10069	3.08409	5 X
K10U54K	15.9	0.15	K134I	201.897	321.901	34.906	16.170	0.10559	3.10089	5 X
K10U65G	16.4	0.15	K134I	267.820	277.602	42.716	11.158	0.20999	2.65137	4 W
K10U72H	15.9	0.15	K134I	199.389	174.112	186.770	10.328	0.08583	3.00228	4 X
K10U75N	15.6	0.15	K134I	259.804	276.510	30.387	15.198	0.03309	3.14011	4 W
K10U91Y	16.4	0.15	K134I	244.111	261.658	78.093	5.245	0.08063	2.76105	7 X
K10U92Z	16.2	0.15	K134I	275.293	269.071	22.650	8.818	0.05299	3.12995	3 X
K10U95H	15.8	0.15	K134I	153.423	290.259	122.389	6.406	0.17964	3.21483	5 X
K10V01Z	16.3	0.15	K134I	112.300	196.747	254.041	7.640	0.03581	3.08572	5 X
K10V05T	16.9	0.15	K134I	185.384	214.949	161.913	6.448	0.23072	2.99180	5 X
K10V28R	15.5	0.15	K134I	154.302	352.114	62.123	17.712	0.10637	3.07933	5 X
K10V44V	17.1	0.15	K134I	322.146	235.847	22.941	14.694	0.25197	2.61493	2 X
K10V46M	15.8	0.15	K134I	338.015	187.820	52.135	19.590	0.13558	3.18043	5 X
K10V46Q	15.9	0.15	K134I	217.202	302.213	44.707	11.654	0.17234	3.10606	5 X
K10V72K	15.6	0.15	K134I	176.794	333.078	48.608	10.045	0.08625	3.16053	6 X
K10V77S	16.0	0.15	K134I	210.060	305.091	51.853	11.012	0.11699	2.99515	6 X
K10V78P	15.6	0.15	K134I	156.517	20.022	18.056	10.467	0.10859	3.13714	4 X
K10V86W	17.3	0.15	K134I	269.955	284.658	20.582	4.872	0.14175	2.62352	5 X
K10V88L	15.8	0.15	K134I	281.470	248.536	39.967	5.551	0.10585	3.12717	8 X
K10VB5T	16.0	0.15	K134I	244.380	305.922	16.036	9.896	0.10504	3.04574	7 X
K10VB5Z	16.0	0.15	K134I	191.225	336.044	30.946	13.002	0.10050	3.22232	5 X
K10VC1W	16.1	0.15	K134I	206.137	325.484	25.297	9.714	0.10258	3.16752	4 X
K10VD1W	17.0	0.15	K134I	251.061	211.356	121.004	5.711	0.26061	2.62875	6 X
K10VE2G	16.4	0.15	K134I	172.019	214.692	169.963	5.485	0.15123	3.18996	7 X
K10VH3M	16.3	0.15	K134I	214.763	301.136	56.522	2.322	0.23653	3.00094	6 X
K10VH5N	16.0	0.15	K134I	318.326	55.015	225.394	12.879	0.24573	2.64699	7 X
K10VJ3N	16.7	0.15	K134I	241.988	133.777	183.373	11.739	0.11816	3.02054	5 X
K10VK1F	15.3	0.15	K134I	131.030	1.388	84.970	18.710	0.16518	3.16601	5 X
K10W35E	15.7	0.15	K134I	104.551	44.263	76.151	11.370	0.06024	3.16203	5 X
K10W39Z	15.9	0.15	K134I	200.703	295.661	96.611	11.623	0.08201	2.94224	5 X
K10X73G	15.9	0.15	K134I	256.727	129.230	188.925	6.167	0.13404	2.97808	7 X
K11Q12T	17.8	0.15	K134I	174.207	194.930	177.363	15.419	0.08412	1.99738	2 X
K11Q38A	17.5	0.15	K134I	254.225	155.619	155.086	23.687	0.11383	1.89368	2 X
K11Q98A	17.4	0.15	K134I	135.940	315.872	94.817	6.393	0.18949	2.21612	7 X
K11R17U	18.3	0.15	K134I	77.075	261.363	199.217	4.925	0.14072	2.31355	4 X
K11S22Y	17.1	0.15	K134I	103.122	212.327	206.270	2.875	0.30185	2.68434	4 X
K11S35K	17.2	0.15	K134I	36.981	321.812	193.024	21.464	0.14179	2.29153	3 X
K11S35P	17.3	0.15	K134I	90.100	48.609	32.737	6.457	0.23351	2.62748	4 X
K11S37V	17.7	0.15	K134I	161.737	2.683	31.506	6.803	0.19424	2.20814	3 X
K11S51Y	17.4	0.15	K134I	163.407	9.034	4.534	4.463	0.16765	2.34738	7 X
K11S78L	17.7	0.15	K134I	83.840	260.352	190.519	4.479	0.20350	2.41241	3 X
K11S84R	17.4	0.15	K134I	140.704	221.119	180.312	5.003	0.13377	2.37090	4 X
K11S84Z	17.2	0.15	K134I	63.045	308.379	187.428	8.658	0.10155	2.31718	2 X

K11S85D	17.3	0.15	K134I	69.374	314.984	161.352	4.523	0.21507	2.62405	5 X
K11SC3Y	17.1	0.15	K134I	88.351	57.253	30.453	17.400	0.17640	2.62887	3 X
K11SC8H	18.1	0.15	K134I	137.874	215.169	197.108	7.461	0.11689	2.30898	4 X
K11SC8Y	17.7	0.15	K134I	117.948	26.062	33.592	6.546	0.18472	2.43739	6 X
K11SE2K	17.7	0.15	K134I	57.456	294.140	195.468	7.670	0.06555	2.28270	5 X
K11SH3D	19.5	0.15	K134I	334.503	59.335	203.255	4.390	0.49794	1.65244	3 X
K11SI5N	17.1	0.15	K134I	143.224	347.114	57.817	7.415	0.10108	2.32610	4 X
K11SN0N	17.6	0.15	K134I	134.855	195.712	205.112	2.137	0.21973	2.35480	6 X
K11SN0Q	17.8	0.15	K134I	78.364	263.571	187.986	24.312	0.23199	2.55465	2 X
K11SN2A	17.8	0.15	K134I	306.160	74.261	200.091	23.019	0.12889	1.87648	4 X
K11SP6W	17.4	0.15	K134I	292.200	197.419	50.814	7.521	0.07690	2.32829	3 X
K11SQ1U	17.8	0.15	K134I	99.009	326.381	128.882	3.555	0.11559	2.32764	4 X
K11SQ7A	17.3	0.15	K134I	98.192	22.144	47.153	5.424	0.25151	2.65376	4 X
K11SR2F	17.4	0.15	K134I	102.184	281.809	141.665	6.981	0.26984	2.61833	4 X
K11U04G	18.2	0.15	K134I	301.528	248.389	23.577	21.650	0.13594	1.90213	2 X
K11U05W	17.5	0.15	K134I	153.373	343.833	51.023	3.314	0.17253	2.34968	4 X
K11U06K	17.6	0.15	K134I	10.428	334.808	221.782	7.694	0.14578	2.30443	5 X
K11U09O	17.6	0.15	K134I	92.760	41.647	47.198	2.717	0.12112	2.59721	6 X
K11U19C	17.9	0.15	K134I	124.358	272.284	150.839	4.529	0.12072	2.28874	4 X
K11U24P	16.9	0.15	K134I	74.566	61.698	24.846	7.673	0.30873	3.06169	3 X
K11U27V	17.6	0.15	K134I	149.094	308.036	86.387	2.427	0.19076	2.37691	6 X
K11U28X	17.0	0.15	K134I	115.552	41.982	17.365	7.320	0.17884	2.60364	4 X
K11U47M	17.3	0.15	K134I	116.111	49.256	28.137	7.249	0.07712	2.33868	5 X
K11U49H	18.1	0.15	K134I	125.429	26.544	39.986	3.741	0.10900	2.36095	4 X
K11U49K	17.3	0.15	K134I	86.583	47.732	44.390	2.684	0.17184	2.64494	4 X
K11U52G	18.1	0.15	K134I	102.373	277.324	173.415	3.342	0.06004	2.37788	6 X
K11U53E	17.0	0.15	K134I	32.871	343.104	173.704	5.415	0.16571	2.64638	6 X
K11U57P	16.7	0.15	K134I	311.675	178.437	54.265	7.451	0.05487	2.30617	5 X
K11U58S	17.9	0.15	K134I	83.913	279.434	185.704	7.981	0.16506	2.30064	4 X
K11U64H	17.0	0.15	K134I	144.525	357.092	49.819	7.548	0.08371	2.38912	3 X
K11U72W	18.4	0.15	K134I	288.696	236.052	43.195	2.235	0.06080	2.13798	4 X
K11U75T	17.1	0.15	K134I	40.110	184.231	325.321	4.148	0.19874	2.58631	6 X
K11U81A	17.2	0.15	K134I	62.767	77.815	47.070	5.200	0.15167	2.63644	3 W
K11U81U	17.5	0.15	K134I	116.985	229.645	189.751	2.491	0.19716	2.59428	4 X
K11U82H	16.6	0.15	K134I	93.607	55.693	31.439	12.107	0.16186	2.67543	4 X
K11UA1S	17.8	0.15	K134I	154.770	209.665	186.905	5.856	0.11340	2.35641	4 X
K11UC2N	17.3	0.15	K134I	59.724	278.827	207.420	8.316	0.15810	2.46591	4 X
K11UC9B	16.3	0.15	K134I	36.704	117.649	34.999	11.807	0.07709	2.63653	4 X
K11UF6F	16.0	0.15	K134I	50.336	47.144	68.379	15.309	0.16196	3.15232	4 X
K11UG2E	16.9	0.15	K134I	91.749	45.186	55.762	6.599	0.22167	2.69159	4 X
K11UG4M	18.0	0.15	K134I	186.027	276.565	98.030	4.850	0.16041	2.16539	4 X
K11UJ8Z	17.9	0.15	K134I	161.258	293.625	92.988	2.626	0.19735	2.36014	5 X
K11UK2S	17.3	0.15	K134I	114.236	1.064	61.912	7.368	0.20574	2.66780	4 X
K11UK4T	18.2	0.15	K134I	114.243	257.785	171.488	1.610	0.12209	2.62195	3 X
K11UN9R	17.1	0.15	K134I	145.239	5.488	26.727	1.746	0.05516	2.56864	5 X
K11UO6V	17.6	0.15	K134I	210.255	294.210	54.782	6.078	0.06491	2.27114	3 X
K11UO7T	16.5	0.15	K134I	60.671	78.402	53.963	22.424	0.10677	2.58000	5 X
K11UQ2Z	17.3	0.15	K134I	37.123	282.328	238.757	7.859	0.10638	2.57491	4 X
K11UQ7S	16.8	0.15	K134I	119.662	255.120	158.871	6.082	0.25527	2.59324	3 X
K11UQ8C	17.7	0.15	K134I	155.131	5.054	37.333	3.986	0.08763	2.35323	5 X
K11UQ9K	17.8	0.15	K134I	135.678	16.865	37.984	10.383	0.11996	2.32119	4 X
K11UR3X	18.2	0.15	K134I	109.653	291.207	142.846	1.320	0.15566	2.42754	4 X
K11US3O	17.5	0.15	K134I	104.607	297.984	142.435	4.151	0.12285	2.54792	5 X
K11UT3F	17.6	0.15	K134I	173.200	305.223	73.629	6.628	0.11584	2.34356	4 X
K11UU0G	17.2	0.15	K134I	169.918	309.687	77.631	5.895	0.08956	2.31547	4 X
K11UU2Y	17.5	0.15	K134I	47.108	123.213	6.215	3.834	0.16021	2.66582	4 X
K11UU8Q	17.8	0.15	K134I	184.356	197.912	179.590	6.169	0.10052	2.20722	3 X
K11UV0F	18.0	0.15	K134I	121.079	17.599	45.668	3.346	0.16049	2.41489	5 X
K11UX9P	17.8	0.15	K134I	88.767	329.330	125.975	4.322	0.12590	2.30131	5 X
K11UY9M	16.4	0.15	K134I	43.094	94.163	34.641	15.346	0.21977	3.09762	2 X
K11UZ2J	17.5	0.15	K134I	86.654	80.583	12.497	7.715	0.10782	2.58180	3 W
K11Uc3P	16.7	0.15	K134I	79.762	75.363	26.726	13.960	0.14117	2.67680	3 X
K11Uc7Z	17.2	0.15	K134I	88.596	283.135	174.422	8.760	0.12502	2.56700	3 X
K11Ud6B	15.5	0.15	K134I	50.847	282.545	191.489	24.982	0.29418	3.15048	5 X
K11Ue4D	13.4	0.15	K134I	345.717	14.804	126.529	19.475	0.07573	5.21913	3 X
K11V12H	18.1	0.15	K134I	199.518	291.069	70.046	4.130	0.15402	2.24225	4 X
K11V21N	17.2	0.15	K134I	44.948	29.394	108.835	2.557	0.17324	2.79191	3 X
K11W01K	17.3	0.15	K134I	349.159	170.130	69.545	7.467	0.16962	2.20516	6 X
K11W09C	17.3	0.15	K134I	54.579	90.566	41.062	3.453	0.08205	2.62251	3 X
K11W27L	17.3	0.15	K134I	176.141	228.815	154.127	6.360	0.13672	2.32993	6 X
K11W29M	17.7	0.15	K134I	236.853	309.833	18.518	9.227	0.05601	2.29035	3 X
K11W39S	17.3	0.15	K134I	127.927	226.907	178.086	7.655	0.22415	2.59973	3 X
K11W46K	13.6	0.15	K134I	341.766	14.690	130.512	7.623	0.06251	5.24871	4 X
K11W70J	17.9	0.15	K134I	159.802	356.516	32.400	3.074	0.23223	2.34247	4 X
K11W95U	19.2	0.15	K134I	311.670	242.188	67.842	6.724	0.42460	1.66626	2 X
K11WA2R	18.2	0.15	K134I	184.449	196.704	174.116	7.202	0.15239	2.22607	4 X
K11WA4T	17.0	0.15	K134I	68.490	91.235	31.585	14.459	0.09037	2.55389	4 X
K11WA6B	18.2	0.15	K134I	139.155	2.491	54.004	4.234	0.06912	2.41631	4 X
K11WB2P	18.1	0.15	K134I	215.002	303.773	45.308	5.410	0.19311	2.17286	4 X
K11WB4E	15.9	0.15	K134I	111.710	234.024	190.035	28.156	0.16004	2.69916	6 X
K11WC1J	16.1	0.15	K134I	73.754	133.354	341.540	7.752	0.15800	2.88500	7 X



K11WC9E	17.5	0.15	K134I	113.819	257.793	174.053	1.020	0.08329	2.64301	6 X
K11WD2O	16.8	0.15	K134I	45.601	112.830	52.246	3.464	0.06398	2.53038	7 X
K11WD8K	18.1	0.15	K134I	260.040	271.614	30.965	3.559	0.06608	2.20175	7 X
K11WF3M	16.8	0.15	K134I	174.378	336.924	46.905	15.044	0.17953	2.54826	6 X
K11WF3X	15.9	0.15	K134I	251.843	263.754	54.138	27.006	0.14965	2.55252	7 X
K11X03G	16.9	0.15	K134I	77.716	2.268	128.647	8.956	0.11940	2.55967	7 X
K11Y03F	16.8	0.15	K134I	160.693	249.579	137.585	6.169	0.15659	2.51553	5 X
K11Y30U	17.4	0.15	K134I	134.191	10.515	49.047	2.891	0.19652	2.67931	5 X
K11Y32U	16.2	0.15	K134I	75.272	328.797	143.828	7.228	0.08071	3.25965	4 X
K11Y37V	15.8	0.15	K134I	356.444	71.435	146.480	5.568	0.06706	3.12373	6 X
K11Y55T	16.5	0.15	K134I	41.600	113.047	52.943	1.891	0.12197	3.17033	4 X
K11Y68M	15.4	0.15	K134I	26.582	88.389	76.349	12.042	0.10539	3.33093	5 X
K11Y73K	15.7	0.15	K134I	58.699	40.163	100.875	10.862	0.03330	3.17840	4 X
K12A04K	16.6	0.15	K134I	136.811	316.779	100.329	1.722	0.09832	2.90437	5 X
K12A07N	15.9	0.15	K134I	26.168	290.395	248.746	8.103	0.02230	2.92425	3 X
K12A13Z	16.2	0.15	K134I	77.664	17.551	121.408	6.349	0.11092	3.06794	5 X
K12A18U	17.3	0.15	K134I	212.234	240.361	131.101	10.407	0.10103	2.52749	4 X
K12A19J	16.2	0.15	K134I	192.608	305.659	80.203	12.587	0.04656	2.69138	4 X
K12A19X	16.3	0.15	K134I	43.422	55.207	101.895	9.576	0.01873	3.11294	4 X
K12B20V	15.8	0.15	K134I	242.698	300.384	19.010	12.446	0.09573	3.04477	5 X
K12B30N	16.9	0.15	K134I	173.394	227.934	148.132	4.092	0.20803	2.74257	5 X
K12B30Q	15.7	0.15	K134I	8.355	68.988	124.525	11.306	0.06864	3.12808	5 X
K12B31Y	16.5	0.15	K134I	33.002	123.468	53.089	6.449	0.13576	3.19488	4 X
K12B32S	15.9	0.15	K134I	82.571	15.754	100.913	12.385	0.04914	3.13206	6 X
K12B33J	15.3	0.15	K134I	291.708	166.365	108.711	17.983	0.08647	3.14106	5 X
K12B43L	16.0	0.15	K134I	341.956	120.537	115.640	9.159	0.14567	3.14365	2 X
K12B54S	15.2	0.15	K134I	286.648	180.525	128.892	9.558	0.08371	3.05894	6 X
K12B58Q	16.0	0.15	K134I	294.202	182.988	105.457	9.297	0.19328	2.75529	6 X
K12B60B	15.7	0.15	K134I	28.434	79.387	106.752	10.464	0.15484	3.20683	6 X
K12B89D	16.6	0.15	K134I	170.433	337.309	47.146	3.623	0.24163	2.84926	7 X
K12B91O	16.0	0.15	K134I	148.485	291.396	131.242	10.605	0.08291	3.09905	4 X
K12BA5R	16.1	0.15	K134I	161.703	219.989	173.399	11.189	0.04981	3.17320	5 X
K12BB3A	16.0	0.15	K134I	59.318	13.085	155.290	11.340	0.03021	3.09804	5 X
K12BC7T	15.3	0.15	K134I	318.993	126.687	143.579	10.569	0.06061	3.14895	6 X
K12BD0L	15.9	0.15	K134I	71.581	46.545	96.400	10.069	0.01663	3.08378	4 X
K12BE4S	16.0	0.15	K134I	175.400	267.369	123.983	2.875	0.08706	3.12768	8 X
K12BE9C	16.4	0.15	K134I	263.962	181.955	143.600	10.674	0.02432	3.01324	5 X
K12C05H	15.8	0.15	K134I	116.991	30.641	58.415	8.449	0.12194	3.19301	5 X
K12C15G	16.4	0.15	K134I	21.288	67.997	140.317	10.060	0.05617	3.11785	5 X
K12C30F	16.1	0.15	K134I	116.526	13.892	85.949	11.756	0.02100	2.90338	5 X
K12C30M	16.5	0.15	K134I	356.998	140.224	82.470	2.553	0.11242	3.14363	7 X
K12C34A	15.3	0.15	K134I	300.658	147.313	134.117	10.303	0.07939	3.12277	6 X
K12C38X	16.0	0.15	K134I	94.386	344.701	138.808	10.360	0.02153	3.05140	4 X
K12C46F	15.9	0.15	K134I	277.066	170.611	147.874	9.988	0.07445	3.15520	5 X
K12C52G	16.2	0.15	K134I	43.066	25.982	157.327	10.762	0.07434	3.16585	5 X
K12D03S	15.7	0.15	K134I	126.309	252.896	175.543	12.448	0.06495	3.25940	9 X
K12D07N	15.9	0.15	K134I	140.875	299.623	130.473	9.920	0.15337	3.12649	3 X
K12G12N	10.4	0.15	K134I	20.693	170.857	351.054	12.653	0.37344	15.05572	7 X
K12J05B	15.8	0.15	K134I	109.264	345.207	108.303	30.150	0.13970	2.69598	7 X
K12Q08C	17.9	0.15	K134I	36.376	45.337	24.320	5.951	0.76651	2.79306	3 X
K12T53F	21.2	0.15	K134I	46.311	282.261	201.145	6.128	0.36889	1.42618	2 X
K12X93S	19.8	0.15	K134I	11.925	326.885	289.325	21.857	0.73522	1.13944	2 X
K12XD2Y	17.1	0.15	K134I	11.596	67.106	83.584	30.280	0.27934	2.64246	3 W
K12XD5U	15.6	0.15	K134I	24.065	334.479	127.225	9.395	0.12310	2.89838	4 X
K13A27X	14.9	0.15	K134I	78.125	274.473	124.932	16.003	0.10854	3.19039	10 X
K13A94F	13.1	0.15	K134I	350.241	196.724	298.322	17.485	0.02200	5.31462	3 X
K13C32T	15.8	0.15	K134I	63.221	342.215	110.695	30.562	0.08654	2.60535	4 X
K13C90O	16.1	0.15	K134I	11.320	133.318	18.711	13.020	0.27274	3.05700	4 X
K13CG5Q	16.2	0.15	K134I	280.445	126.216	149.651	1.169	0.14976	3.12066	3 X
K13CI9L	17.0	0.15	K134I	27.423	20.065	115.398	9.427	0.31396	2.75755	3 X
K13E30J	17.6	0.15	K134I	1.665	162.530	22.927	5.150	0.18844	2.68274	3 X
K13E35V	16.0	0.15	K134I	66.689	271.291	176.424	15.700	0.22465	3.15119	2 X
K13E81P	16.8	0.15	K134I	327.775	212.315	16.203	12.518	0.17599	2.63691	2 X
K13E83L	17.0	0.15	K134I	325.256	92.389	142.085	9.409	0.15166	2.31378	2 X
K13E86P	16.4	0.15	K134I	33.039	124.644	17.058	13.147	0.09712	2.64063	2 X
K13E92J	17.2	0.15	K134I	338.747	39.116	176.488	11.029	0.14928	2.42173	2 X
K13E93M	16.6	0.15	K134I	333.891	54.794	182.188	7.965	0.17348	2.77009	2 X
K13EA6K	16.9	0.15	K134I	21.465	8.170	163.794	12.808	0.07620	2.59564	5 X
K13EA8B	16.4	0.15	K134I	323.324	60.474	194.131	21.363	0.22185	3.10111	2 X
K13EB0V	16.6	0.15	K134I	290.272	169.069	109.949	8.317	0.20502	2.54921	3 X
K13EB8H	16.2	0.15	K134I	74.092	301.585	170.513	11.543	0.09045	2.72526	3 X
K13EB9Z	16.7	0.15	K134I	14.353	20.784	159.100	4.089	0.17239	2.64498	2 X
K13EC3P	17.8	0.15	K134I	298.398	244.867	41.838	6.071	0.25069	2.32300	2 X
K13EC3R	18.4	0.15	K134I	338.435	103.846	124.386	3.664	0.15521	2.24054	2 X
K13EC3X	16.8	0.15	K134I	18.356	0.991	171.978	14.582	0.17761	2.64397	2 X
K13F05P	17.3	0.15	K134I	342.777	123.862	82.055	7.971	0.05386	2.37560	2 X
K13F07D	17.0	0.15	K134I	98.061	310.175	141.201	3.253	0.04745	2.63076	2 X
K13F11Y	16.7	0.15	K134I	271.708	244.698	47.060	8.406	0.20730	2.76133	3 X
K13F12P	17.3	0.15	K134I	318.331	226.869	24.919	5.229	0.17467	2.21289	3 X
K13F13A	17.3	0.15	K134I	355.416	78.363	115.018	12.469	0.14000	2.60060	2 X

## New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K12X06Y	19.1	0.15	K134I	9.553	173.253	348.414	7.788	0.49104	2.00827	130	X
K12Y01P	16.9	0.15	K134I	40.886	307.990	141.082	24.954	0.31653	2.29316	114	X
K13A08C	17.3	0.15	K134I	353.790	50.933	121.734	32.692	0.26304	2.59495	98	X
K13A69E	21.4	0.15	K134I	46.316	104.334	5.624	8.872	0.32317	1.67631	91	X
K13E00A	21.9	0.15	K134I	9.606	359.061	174.794	9.629	0.52820	2.26440	41	X
K13E04Q	23.2	0.15	K134I	2.465	41.723	158.071	6.678	0.55823	2.29046	39	X
K13E10P	16.2	0.15	K134I	30.501	304.062	175.566	26.886	0.36678	3.17384	89	X
K13E28L	22.2	0.15	K134I	1.358	136.764	66.625	5.836	0.39560	1.88508	34	X
K13E68C	24.1	0.15	K134I	29.710	340.256	165.043	9.934	0.36110	1.54261	29	X
K13E89G	20.5	0.15	K134I	2.761	357.116	196.509	10.267	0.54730	2.96077	29	X
K13E89H	20.3	0.15	K134I	77.492	159.933	260.524	7.097	0.40415	1.34960	31	X
K13EA8V	20.7	0.15	K134I	352.089	215.259	33.389	8.419	0.63431	2.39903	34	X
K13EC6O	19.9	0.15	K134I	347.345	147.620	154.200	2.936	0.78555	2.28968	27	X
K13F07Z	22.9	0.15	K134I	280.281	321.226	8.262	8.629	0.40331	0.92145	25	X
K13F08A	21.0	0.15	K134I	32.793	280.227	166.078	3.109	0.67414	1.92879	24	X
K13F09L	23.1	0.15	K134I	320.055	113.768	175.052	16.913	0.40513	1.33210	23	X
K13F10Q	22.6	0.15	K134I	198.498	180.077	189.924	16.860	0.19276	0.93451	22	X
K13F13T	24.5	0.15	K134I	9.504	10.470	176.988	7.893	0.34433	1.66730	19	X
K13F13W	21.8	0.15	K134I	80.282	272.290	175.878	23.442	0.36241	1.12088	19	X
K13F13X	21.2	0.15	K134I	32.096	0.543	63.813	9.713	0.79477	1.75680	18	X
K13F13Y	20.5	0.15	K134I	355.616	13.527	199.315	16.258	0.13617	1.26249	18	X
K13G03O	23.0	0.15	K134I	264.794	144.606	193.210	20.855	0.42076	0.98135	7	W
K13G07Y	20.3	0.15	K134I	258.747	128.531	189.941	29.564	0.23050	1.24624	8	X
K13G07Z	24.0	0.15	K134I	12.078	165.353	21.856	5.290	0.19181	1.40613	7	X
K13G08L	18.6	0.15	K134I	14.991	47.532	331.726	8.573	0.84597	2.47933	9	X
K13G34C	20.7	0.15	K134I	356.824	28.519	195.318	20.756	0.53863	2.71973	5	X
K13G35J	15.8	0.15	K134I	52.876	217.147	290.755	41.435	0.47571	2.05717	5	S
K13G38Q	23.1	0.15	K134I	344.205	40.099	206.203	8.148	0.42615	1.74867	4	X
K13G38R	21.7	0.15	K134I	334.898	68.136	218.898	4.603	0.55813	1.79282	3	X
K13G38S	19.6	0.15	K134I	270.518	195.456	127.934	6.801	0.40542	1.48138	5	X
K13G38U	20.5	0.15	K134I	313.199	65.815	206.984	17.803	0.27299	1.57786	4	X
K13G38V	25.4	0.15	K134I	11.314	304.524	205.675	4.136	0.63625	2.52581	4	X
K13G54Y	14.1	0.15	K134I	348.806	236.559	8.745	8.353	0.65309	13.24658	34	K
K13G55A	27.6	0.15	K134I	23.878	298.609	206.953	0.476	0.45498	1.64477	2	K
K13G55B	25.8	0.15	K134I	2.071	179.012	22.750	9.047	0.49845	2.04925	1	K
K13G55C	24.3	0.15	K134I	351.329	204.883	22.609	18.017	0.37099	1.63532	1	K
K13G55D	23.3	0.15	K134I	12.182	354.962	168.591	0.906	0.55688	2.17576	1	K
K13G55E	22.7	0.15	K134I	285.392	300.099	30.769	24.076	0.39303	1.04447	1	K

## New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13B80R	18.2	0.15	K132H	344.896	78.777	104.410	28.439	0.38199	2.63402	83	W
K13C31S	15.5	0.15	K1339	2.853	125.424	40.826	13.634	0.09235	2.97984	65	X
K13C84N	16.3	0.15	K1339	296.335	92.129	150.557	15.198	0.06939	2.58074	65	X
K13CG5L	15.8	0.15	K1339	103.568	237.278	171.241	4.661	0.18570	3.00203	56	X
K13D06J	15.8	0.15	K1339	100.422	291.705	133.527	10.275	0.06563	3.16111	54	X
K13D09T	17.2	0.15	K132H	22.950	342.197	148.024	26.441	0.23714	2.34079	81	X
K13D11N	17.7	0.15	K1339	351.998	19.743	179.078	14.228	0.18338	2.58589	53	X
K13E00F	17.0	0.15	K1339	69.032	7.545	59.731	26.399	0.22963	2.27488	40	X
K13E00M	18.0	0.15	K1339	137.700	221.187	155.115	23.084	0.11261	1.94033	65	X
K13E00R	16.6	0.15	K1339	33.355	47.923	98.995	16.468	0.08214	2.61541	37	X
K13E00W	16.7	0.15	K1339	333.937	102.223	112.375	13.490	0.22680	2.58818	55	X
K13E24H	17.3	0.15	K1339	347.218	126.022	62.395	7.137	0.08517	2.33113	60	X
K13E25X	17.7	0.15	K1339	316.519	171.650	74.735	2.687	0.26709	2.42595	35	X
K13E26C	17.1	0.15	K1339	78.981	299.046	149.618	3.561	0.07130	2.62439	35	X
K13E26E	17.5	0.15	K1339	2.352	5.875	166.458	6.903	0.07136	2.30051	56	W
K13E28Y	16.6	0.15	K1339	7.369	349.535	181.062	17.127	0.11444	2.60685	50	X
K13E29V	16.0	0.15	K1339	6.268	142.096	25.638	17.502	0.24682	3.13961	54	X
K13E31C	17.0	0.15	K1339	19.615	129.722	23.015	13.371	0.18117	2.61672	35	X
K13E31J	15.6	0.15	K1339	2.237	139.660	43.379	11.110	0.02969	3.13963	35	X
K13E32H	17.1	0.15	K1339	177.547	203.496	154.194	6.861	0.06091	2.67859	34	X
K13E33S	15.7	0.15	K1339	354.522	358.642	178.849	14.628	0.06594	2.77443	56	X
K13E34M	17.3	0.15	K1339	261.224	138.676	146.550	8.293	0.11414	2.20237	37	X
K13E34T	16.5	0.15	K1339	104.037	332.814	93.282	3.194	0.04617	2.83651	37	X
K13E37B	15.5	0.15	K1339	80.476	81.408	353.711	17.150	0.14221	3.22054	34	X
K13E37L	16.4	0.15	K1339	31.075	343.293	154.818	11.902	0.07932	3.07962	34	X
K13E40L	18.4	0.15	K1339	324.539	35.253	189.124	4.899	0.13199	2.19977	33	X
K13E46K	15.9	0.15	K1339	214.945	35.926	287.247	1.298	0.11085	3.10752	53	X
K13E47N	18.5	0.15	K1339	348.211	12.725	174.563	3.364	0.15899	2.37215	36	X
K13E49H	16.5	0.15	K1339	325.667	334.618	258.954	0.492	0.29976	3.06078	52	X
K13E57V	15.7	0.15	K1339	117.705	42.180	3.655	9.037	0.08356	3.16029	65	X
K13E58D	16.0	0.15	K1339	43.910	117.828	356.788	26.606	0.13672	3.14537	51	X
K13E59N	18.6	0.15	K1339	359.125	174.479	358.176	1.143	0.12532	2.40977	34	X
K13E60V	16.6	0.15	K1339	75.661	85.756	5.832	1.678	0.04809	2.88251	34	X
K13E61C	17.8	0.15	K1339	49.637	104.652	4.219	2.938	0.13782	2.38011	34	X
K13E61G	18.1	0.15	K1339	322.338	200.266	21.038	2.531	0.14475	2.62869	34	X
K13E62K	16.9	0.15	K1339	332.459	213.786	0.747	4.303	0.20575	3.16628	34	X
K13E64A	16.9	0.15	K1339	193.999	326.330	14.189	1.399	0.11656	2.61318	34	X
K13E66T	17.3	0.15	K1339	352.515	95.809	88.308	13.419	0.20828	2.56232	62	X

K13E67F	18.5	0.15	K1339	328.901	185.643	39.646	5.768	0.17260	2.32313	30	X
K13E67J	17.3	0.15	K1339	349.940	173.884	23.340	12.045	0.13262	2.72036	30	X
K13E67K	16.7	0.15	K1339	286.505	115.563	146.152	6.913	0.01855	2.77515	30	X
K13E67M	17.4	0.15	K1339	287.042	169.836	110.556	4.615	0.19368	2.59489	30	X
K13E67N	17.9	0.15	K1339	306.194	120.404	133.475	5.118	0.15969	2.35108	30	X
K13E67P	17.3	0.15	K1339	55.003	6.012	115.871	4.888	0.08333	2.62441	30	X
K13E67Q	16.0	0.15	K1339	300.001	212.550	36.466	10.661	0.02126	3.14109	30	X
K13E67T	17.2	0.15	K1339	303.570	189.168	74.788	5.621	0.19954	2.97486	30	X
K13E67U	16.4	0.15	K1339	285.854	248.817	34.957	9.944	0.19954	2.92370	30	X
K13E82E	16.6	0.15	K1339	338.252	34.066	164.172	9.780	0.02301	3.12360	34	X
K13E82W	15.7	0.15	K1339	271.666	124.325	160.963	26.119	0.19837	3.16330	34	X
K13E83M	17.6	0.15	K1339	310.496	89.466	148.546	3.081	0.13219	2.40196	37	W
K13E83R	16.5	0.15	K1339	48.063	298.124	173.064	13.513	0.17350	2.76972	34	X
K13E85P	17.4	0.15	K1339	315.646	145.690	80.878	5.974	0.10293	2.38431	34	X
K13E86K	15.8	0.15	K1339	218.584	281.163	48.490	14.819	0.22290	2.47313	33	X
K13E87A	17.0	0.15	K1339	6.466	124.919	53.277	8.653	0.08389	2.65213	31	X
K13E88H	16.7	0.15	K1339	286.366	203.209	76.593	10.744	0.27109	2.31385	29	X
K13E88T	17.5	0.15	K1339	349.641	75.861	119.674	4.366	0.04903	2.42204	29	X
K13E88U	17.7	0.15	K1339	13.166	144.564	18.750	16.239	0.18949	2.68435	29	X
K13E91B	17.2	0.15	K1339	339.959	192.493	12.460	14.666	0.24458	2.60657	39	X
K13E91O	16.8	0.15	K1339	359.444	176.532	355.710	8.964	0.03385	2.58938	37	X
K13E92B	15.4	0.15	K1339	30.620	289.916	204.537	25.145	0.15251	3.19330	36	X
K13E93N	17.4	0.15	K1339	32.642	294.583	186.331	29.439	0.35742	2.61686	31	X
K13E94F	18.1	0.15	K1339	24.367	115.757	19.238	11.293	0.21992	2.27071	37	X
K13EA2G	17.2	0.15	K1339	321.158	199.965	30.875	13.788	0.10909	2.63275	31	X
K13EA2Z	16.8	0.15	K1339	34.626	352.664	136.401	10.128	0.26367	2.68090	27	X
K13EA3Q	17.6	0.15	K1339	321.137	102.133	134.113	12.161	0.26770	2.55039	30	X
K13EA6G	18.1	0.15	K1339	312.080	198.327	55.217	5.309	0.22142	2.31562	29	X
K13EA6M	17.6	0.15	K1339	284.582	181.584	100.121	4.901	0.18113	2.38572	29	X
K13EA6Q	16.7	0.15	K1339	18.540	77.414	84.083	4.892	0.13848	2.63426	29	X
K13EA6S	17.1	0.15	K1339	331.598	200.161	27.165	12.941	0.20213	2.62086	29	X
K13EA8R	17.7	0.15	K1339	355.484	77.743	103.604	7.788	0.15773	2.29373	37	X
K13EA9B	16.3	0.15	K1339	88.552	52.961	35.764	14.838	0.07115	2.63355	35	X
K13EA9L	17.1	0.15	K1339	95.022	80.840	2.172	4.945	0.02872	2.57766	31	X
K13EA9X	17.1	0.15	K1339	265.210	141.217	154.597	6.703	0.17505	2.35801	30	X
K13EB0K	16.1	0.15	K1339	211.334	32.747	301.504	0.366	0.03525	2.97360	30	X
K13EB0Q	16.5	0.15	K1339	284.699	216.459	45.830	14.477	0.12248	2.54391	29	X
K13EB1E	16.2	0.15	K1339	290.397	229.389	47.267	10.165	0.24293	2.72589	29	X
K13EB1O	18.0	0.15	K1339	35.490	11.176	135.939	5.601	0.03775	2.38723	29	X
K13EB1R	17.0	0.15	K1339	67.058	71.727	35.242	11.556	0.11869	2.78165	29	X
K13EB1S	18.0	0.15	K1339	211.188	319.638	18.368	21.147	0.09581	1.89088	29	X
K13EB1T	17.0	0.15	K1339	23.208	355.244	167.500	14.874	0.05610	2.74969	29	X
K13EB1U	16.5	0.15	K1339	357.735	25.439	164.464	12.587	0.14424	2.64846	29	X
K13EB1V	15.7	0.15	K1339	149.960	339.101	60.623	8.624	0.01706	3.21471	29	X
K13EB1X	16.0	0.15	K1339	275.272	199.811	97.960	6.436	0.19258	3.18771	29	X
K13EB1Z	16.4	0.15	K1339	317.628	198.366	43.938	10.919	0.11756	3.10609	29	X
K13EB2M	15.5	0.15	K1339	225.194	208.029	103.165	11.976	0.01214	3.08860	28	X
K13EB3V	17.2	0.15	K1339	289.616	107.403	150.326	6.902	0.07930	2.32885	29	X
K13EB5K	15.5	0.15	K1339	333.213	50.680	151.462	10.826	0.03293	3.37330	30	W
K13EB7S	16.7	0.15	K1339	333.127	57.477	180.643	22.286	0.34662	3.13672	37	W
K13EB7T	16.1	0.15	K1339	317.962	130.196	122.006	3.464	0.25529	3.06735	28	X
K13EC0A	17.0	0.15	K1339	20.697	347.349	180.640	15.212	0.05611	2.52163	39	X
K13EC1G	17.4	0.15	K1339	18.770	319.061	196.197	1.129	0.18471	3.04754	30	X
K13EC1H	17.9	0.15	K1339	45.401	296.226	188.298	4.312	0.13170	2.45390	30	X
K13EC1J	16.9	0.15	K1339	314.127	231.187	3.404	3.814	0.06086	2.72213	30	X
K13EC1K	17.7	0.15	K1339	293.975	258.591	5.308	2.111	0.14829	2.19945	30	X
K13EC1L	16.8	0.15	K1339	332.119	256.185	324.598	0.831	0.15571	2.98889	30	X
K13EC3L	17.2	0.15	K1339	308.383	217.505	26.245	1.573	0.19901	2.59238	29	X
K13EC3O	17.9	0.15	K1339	60.166	52.712	54.950	4.467	0.15847	2.41245	29	X
K13EC3Q	18.3	0.15	K1339	297.228	242.396	34.746	6.601	0.26436	2.25201	29	X
K13EC3S	18.3	0.15	K1339	310.872	172.492	77.961	3.637	0.16397	2.45561	29	X
K13EC4J	16.5	0.15	K1339	283.060	154.788	115.550	6.779	0.12483	2.45434	28	X
K13EC4U	17.3	0.15	K1339	350.253	15.926	183.264	4.346	0.22612	3.02496	29	X
K13EC4Y	16.7	0.15	K1339	299.395	213.773	43.838	4.969	0.12280	2.99622	28	X
K13EC5U	18.4	0.15	K133T	337.588	57.489	180.883	13.069	0.35518	2.72979	27	X
K13EC5Y	16.2	0.15	K133T	63.103	90.254	19.197	21.087	0.18347	3.10777	27	X
K13EC6B	16.8	0.15	K133T	335.415	50.878	178.589	14.224	0.19868	3.19329	27	X
K13EC6D	16.4	0.15	K133T	229.171	222.913	105.932	4.599	0.05277	3.05858	27	X
K13EC6J	16.5	0.15	K1339	306.619	209.001	36.367	9.703	0.04246	3.16816	29	X
K13EC6M	18.1	0.15	K133T	351.472	159.346	42.982	6.170	0.17526	2.21817	27	X
K13EC7A	16.2	0.15	K1339	46.397	300.391	163.396	9.826	0.28527	2.74476	30	X
K13F01U	17.1	0.15	K1339	352.477	138.358	42.062	15.867	0.08867	2.85741	29	X
K13F03L	15.5	0.15	K1339	325.179	113.022	126.618	16.573	0.21277	3.16126	36	X
K13F04F	17.6	0.15	K1339	105.487	52.998	17.973	7.252	0.12020	2.33767	29	X
K13F04T	17.7	0.15	K1339	270.967	271.116	24.233	2.548	0.19411	2.42335	29	X
K13F05E	18.0	0.15	K1339	328.217	215.558	21.035	13.647	0.25622	2.70133	29	X
K13F05F	17.6	0.15	K133T	333.224	165.723	62.207	5.003	0.14371	2.76368	27	X
K13F05G	16.7	0.15	K1339	281.584	185.659	85.598	4.697	0.03923	2.68464	29	X
K13F05H	17.0	0.15	K1339	113.295	16.981	45.900	8.755	0.12269	2.35458	29	X
K13F05J	16.5	0.15	K133T	284.611	225.321	48.920	8.904	0.04334	2.88077	25	X
K13F05K	17.1	0.15	K1339	61.551	93.696	10.286	14.681	0.15616	2.55731	29	X

K13F06L	18.1	0.15	K1339	329.006	191.630	29.109	6.497	0.13816	2.18529	28 X
K13F06W	16.8	0.15	K133T	11.208	43.273	132.618	4.405	0.14236	3.11034	24 X
K13F06Y	15.4	0.15	K133T	336.794	52.647	168.790	7.811	0.15910	3.94923	24 X
K13F06Z	16.3	0.15	K1339	88.805	1.524	84.450	2.884	0.08978	2.93787	28 X
K13F07G	17.6	0.15	K133T	287.993	209.118	80.380	3.027	0.23287	2.28018	24 X
K13F07H	16.4	0.15	K1339	290.552	218.171	52.723	5.558	0.12991	2.75831	37 X
K13F07V	17.5	0.15	K133T	283.347	214.306	77.574	4.147	0.18516	2.29823	24 X
K13F07W	16.4	0.15	K133T	294.373	125.607	148.467	6.189	0.11410	3.17647	24 X
K13F08O	18.0	0.15	K133T	347.519	69.878	129.203	13.337	0.19854	2.64891	25 X
K13F10E	17.5	0.15	K1339	10.353	162.122	3.487	5.024	0.13234	2.41182	31 X
K13F10G	18.2	0.15	K1339	324.871	44.955	180.878	2.432	0.14756	2.37065	31 X
K13F10K	18.0	0.15	K133T	323.278	66.400	172.473	2.209	0.19255	2.99796	25 X
K13F10L	16.5	0.15	K1339	348.346	4.130	192.122	0.739	0.09929	3.15088	31 X
K13F10T	16.7	0.15	K133T	12.329	66.143	98.278	11.510	0.08049	2.89418	24 X
K13F11O	16.5	0.15	K133T	237.512	132.555	183.206	10.086	0.06299	3.06642	25 X
K13F12O	17.5	0.15	K1339	305.997	233.897	15.001	4.017	0.13892	2.41142	31 X
K13F12T	16.4	0.15	K133T	325.436	124.020	117.326	17.150	0.19664	3.14286	25 X
K13F12X	16.8	0.15	K133T	302.581	182.075	76.444	17.813	0.10758	2.55664	24 X
K13F13F	16.8	0.15	K133T	310.260	153.762	104.112	6.627	0.15832	2.70159	23 X
K13F15H	15.6	0.15	K133T	319.330	234.020	8.487	11.014	0.17376	3.15139	19 X
K13F15K	16.5	0.15	K133T	4.921	144.780	35.792	1.819	0.10433	3.11687	11 X
K13F15Q	18.6	0.15	K133T	233.264	293.091	21.155	5.133	0.01173	2.14823	11 X
K13F16A	16.2	0.15	K133T	244.771	306.015	24.170	13.638	0.28870	2.43641	11 X
K13F16K	17.9	0.15	K133T	300.285	248.725	19.290	7.060	0.15721	2.27942	11 X
K13F16L	17.3	0.15	K133T	346.190	190.657	23.939	2.298	0.23971	2.71643	11 X
K13F16N	17.5	0.15	K133T	34.227	322.322	185.363	12.643	0.15340	2.67538	11 X
K13F17A	16.7	0.15	K133T	298.148	95.448	177.953	13.564	0.18008	2.80120	11 X
K13F17G	16.8	0.15	K133T	358.016	180.681	8.826	13.285	0.11102	2.59559	11 X
K13F17H	16.9	0.15	K133T	59.185	286.914	191.513	13.712	0.11597	2.62112	19 X
K13F17N	17.2	0.15	K133T	285.842	280.876	2.988	2.068	0.19733	2.41821	11 X
K13F17S	16.0	0.15	K133T	310.265	221.282	25.534	2.208	0.10809	3.20689	11 X
K13F17Y	18.0	0.15	K133T	123.093	223.751	193.693	6.038	0.07516	2.17989	11 X
K13F18C	18.3	0.15	K133T	22.656	141.160	19.306	2.768	0.13731	2.42631	11 X
K13F19C	17.1	0.15	K133T	358.250	171.573	19.938	4.415	0.16913	2.61243	11 X
K13F19V	17.6	0.15	K133T	17.558	349.619	177.501	12.281	0.14894	2.78157	11 X
K13F19W	18.0	0.15	K133T	323.071	76.352	169.251	6.775	0.21344	2.28285	11 X
K13F20X	17.3	0.15	K133T	275.812	235.362	52.782	1.847	0.12375	2.68396	11 X
K13F21P	16.7	0.15	K133T	319.020	93.870	191.396	16.668	0.45105	2.85210	11 W
K13F21Q	16.9	0.15	K133T	342.855	195.510	18.709	13.934	0.08967	2.97039	11 X
K13F21R	16.1	0.15	K133T	300.988	244.065	19.080	16.703	0.09620	3.18200	11 X
K13F21T	17.1	0.15	K133T	329.388	190.756	44.415	1.781	0.16979	2.98039	11 X
K13G00L	16.7	0.15	K133T	41.070	330.956	161.376	7.607	0.12546	2.60638	10 X
K13G00M	16.2	0.15	K133T	16.238	139.943	23.838	12.114	0.10660	2.65000	10 X
K13G00R	17.7	0.15	K133T	29.761	109.821	35.151	18.279	0.23780	2.73328	9 W
K13G01C	15.6	0.15	K133T	332.124	184.082	40.668	16.491	0.07147	3.09657	10 X
K13G01F	18.4	0.15	K133T	274.264	254.537	30.422	19.839	0.06395	1.93183	10 X
K13G02M	18.4	0.15	K1339	233.565	123.182	191.299	21.430	0.08670	1.88654	37 X
K13G02O	16.0	0.15	K133T	103.037	245.885	182.259	6.663	0.12662	3.09917	10 X
K13G02S	17.6	0.15	K133T	30.324	288.620	194.745	14.083	0.17077	2.64362	10 X
K13G03P	18.0	0.15	K133T	76.666	287.097	184.961	22.342	0.10089	1.86238	11 X
K13G05J	18.7	0.15	K133T	7.114	20.149	157.783	5.510	0.25612	2.25275	10 X
K13G06P	16.5	0.15	K133T	329.781	179.925	51.145	13.179	0.14519	3.01537	9 X
K13G06Q	17.7	0.15	K133T	22.673	66.983	91.259	5.531	0.17169	2.67934	9 X
K13G07U	18.1	0.15	K133T	178.486	346.082	30.190	20.427	0.07673	1.97855	7 X
K13G08B	18.3	0.15	K133T	357.224	32.454	163.795	22.950	0.03783	1.88634	25 X
K13G08P	19.2	0.15	K1339	8.378	131.218	24.836	18.889	0.39777	2.71659	37 X
K13G08V	18.2	0.15	K133T	316.248	240.408	12.402	12.967	0.23861	2.56226	10 X
K13G08Z	16.0	0.15	K133T	183.756	179.810	181.473	14.397	0.06415	3.09342	10 X
K13G09E	18.2	0.15	K133T	7.406	353.837	182.825	3.182	0.10501	2.28125	10 X
K13G09U	17.6	0.15	K133T	12.235	117.717	56.073	4.999	0.14127	2.75805	10 X
K13G09V	16.1	0.15	K133T	248.782	281.890	22.452	16.174	0.04009	3.13469	10 X
K13G10A	16.2	0.15	K133T	62.253	67.212	50.304	7.105	0.08828	3.16218	10 X
K13G10B	17.7	0.15	K133T	321.745	127.023	117.957	3.499	0.17230	2.42188	10 X
K13G10D	16.7	0.15	K133T	270.167	184.244	116.422	4.665	0.17986	2.74795	10 X
K13G10E	16.5	0.15	K133T	3.553	8.296	182.801	12.334	0.09544	3.05910	10 X
K13G10G	16.7	0.15	K133T	319.022	78.093	158.514	3.661	0.04319	2.77788	10 X
K13G10J	18.1	0.15	K133T	5.582	87.542	98.067	2.543	0.13566	2.41458	10 X
K13G10K	15.6	0.15	K133T	327.966	167.028	69.171	3.477	0.15575	3.97381	10 X
K13G10L	17.6	0.15	K133T	3.008	151.110	36.483	5.345	0.10917	2.31071	10 X
K13G10M	17.1	0.15	K133T	65.747	319.766	160.897	4.646	0.05497	2.78687	10 X
K13G10N	17.7	0.15	K133T	297.542	229.820	51.633	5.835	0.22611	2.37191	10 X
K13G10P	17.2	0.15	K133T	264.445	285.388	11.181	14.204	0.13405	2.48228	10 X
K13G10R	16.4	0.15	K133T	281.757	265.318	28.651	10.171	0.16219	2.85234	10 X
K13G10S	17.6	0.15	K133T	38.456	11.997	132.615	6.015	0.07297	2.56306	10 X
K13G10T	16.3	0.15	K133T	279.309	98.114	193.910	10.554	0.12417	3.05770	10 X
K13G10V	15.5	0.15	K133T	324.315	213.756	24.785	8.142	0.06295	3.23413	10 W
K13G10Y	16.3	0.15	K133T	348.946	18.161	192.565	7.423	0.23371	3.11705	10 X
K13G11C	16.5	0.15	K133T	143.827	273.047	127.887	6.772	0.05858	2.77024	10 X
K13G11H	16.0	0.15	K133T	17.974	134.505	37.014	8.137	0.09369	3.18671	9 X
K13G11R	17.5	0.15	K133T	4.622	32.469	156.885	3.044	0.11089	2.28165	9 X
K13G11Z	16.9	0.15	K133T	352.333	15.666	189.582	23.817	0.14991	2.44092	9 X

K13G12J	16.1	0.15	K133T	304.098	157.849	121.036	25.671	0.28501	3.09961	7 X
K13G13S	16.5	0.15	K133T	338.298	181.785	27.231	28.116	0.17846	3.18640	7 X
K13G14F	15.1	0.15	K133T	215.304	2.658	350.595	7.460	0.07399	3.22016	7 X
K13G14J	16.5	0.15	K133T	318.857	140.735	111.074	28.800	0.20974	3.14641	7 X
K13G14V	17.4	0.15	K133T	309.134	231.753	14.527	3.349	0.08893	2.80034	7 X
K13G15D	17.7	0.15	K133T	317.554	242.638	359.574	3.992	0.15182	2.36045	7 X
K13G15G	17.2	0.15	K133T	335.469	37.608	191.212	9.100	0.23143	3.07100	7 X
K13G15O	17.3	0.15	K133T	323.537	218.262	31.943	15.452	0.23387	2.63490	7 X
K13G15P	16.9	0.15	K133T	301.628	178.914	90.082	4.346	0.14670	2.52675	7 X
K13G17X	19.3	0.15	K133T	309.158	59.158	197.444	23.075	0.13602	1.89419	7 X
K13G17Y	18.1	0.15	K133T	184.679	174.322	194.103	22.989	0.07393	1.93370	7 X
K13G17Z	15.3	0.15	K133T	2.388	357.422	194.100	30.391	0.13061	3.25713	7 W
K13G18B	17.4	0.15	K133T	305.111	246.294	16.877	22.398	0.12627	2.21638	6 W
K13G19Y	18.1	0.15	K133T	14.175	20.425	150.694	2.564	0.17466	2.37272	6 X
K13G19Z	17.9	0.15	K133T	29.242	119.170	28.032	7.364	0.21406	2.66820	6 X
K13G20A	18.0	0.15	K133T	10.659	121.184	56.913	3.029	0.13227	2.57756	6 X
K13G20C	15.8	0.15	K133T	239.227	134.191	186.611	14.698	0.06069	3.20258	6 X
K13G20E	16.0	0.15	K133T	353.466	28.659	173.440	4.416	0.08987	3.09799	6 X
K13G20F	17.0	0.15	K133T	3.991	25.658	163.252	4.728	0.08057	2.72153	6 X
K13G20G	18.8	0.15	K133T	18.020	55.911	115.531	2.592	0.08436	2.20781	6 X
K13G20H	16.5	0.15	K133T	303.473	179.340	88.272	2.115	0.15736	3.13175	6 X
K13G20J	17.2	0.15	K133T	335.354	201.796	28.912	10.263	0.20237	3.12236	6 X
K13G20K	17.8	0.15	K133T	339.019	162.436	57.125	3.209	0.10966	2.44450	6 X
K13G20L	17.8	0.15	K133T	9.713	5.963	177.166	5.928	0.04697	2.34083	6 X
K13G20M	16.4	0.15	K133T	349.354	30.621	175.706	9.934	0.06035	2.96613	6 X
K13G20N	16.0	0.15	K133T	115.070	253.614	177.950	11.692	0.08634	3.22572	6 X
K13G20O	17.2	0.15	K133T	359.337	147.273	47.794	7.022	0.12826	2.63383	6 X
K13G20P	18.2	0.15	K133T	86.544	301.341	153.238	5.078	0.12151	2.23295	6 X
K13G20R	16.9	0.15	K133T	263.745	277.191	38.548	13.036	0.24895	2.66400	6 X
K13G20V	17.0	0.15	K133T	295.577	90.255	178.669	16.374	0.10410	2.63770	6 X
K13G20W	17.4	0.15	K133T	19.169	129.337	37.373	7.165	0.14554	2.68030	6 X
K13G20X	16.8	0.15	K133T	113.367	274.323	160.655	5.581	0.05290	2.74345	6 X
K13G20Y	16.0	0.15	K133T	19.142	340.568	189.320	14.031	0.12330	3.16859	6 X
K13G20Z	17.7	0.15	K133T	309.678	76.879	185.659	10.825	0.18094	2.64174	6 X
K13G21A	18.3	0.15	K133T	350.211	157.402	48.313	4.142	0.12932	2.33746	6 X
K13G21B	17.8	0.15	K133T	266.012	152.600	153.294	3.409	0.16192	2.32136	6 X
K13G21C	17.6	0.15	K133T	262.790	252.203	57.945	4.173	0.17405	2.26150	6 X
K13G21J	16.4	0.15	K133T	276.634	348.025	316.631	4.343	0.16134	2.61961	5 X
K13G21M	16.8	0.15	K133T	351.062	39.906	164.254	17.125	0.07341	2.54794	5 X
K13G21X	18.0	0.15	K133T	324.555	43.080	192.976	5.800	0.10137	2.57787	5 W
K13G21Y	15.9	0.15	K133T	296.483	73.926	193.725	10.271	0.09615	3.11424	5 X
K13G21Z	16.1	0.15	K133T	128.018	232.258	177.344	1.728	0.21606	3.01925	5 X
K13G22A	16.2	0.15	K133T	288.747	259.376	25.075	1.064	0.16880	3.15443	5 W
K13G22B	19.3	0.15	K133T	311.889	242.083	18.235	1.044	0.19317	2.28212	5 X
K13G22C	18.3	0.15	K133T	9.554	163.024	17.842	5.276	0.10785	2.18130	5 X
K13G22J	17.3	0.15	K133T	278.854	113.656	195.150	3.157	0.26294	2.67838	5 W
K13G22K	18.9	0.15	K133T	332.339	211.264	21.857	1.001	0.15654	2.20305	5 X
K13G22M	19.8	0.15	K133T	359.626	6.005	189.144	0.612	0.20222	2.16581	5 W
K13G22N	17.5	0.15	K133T	349.326	180.785	28.695	1.735	0.07303	2.53667	5 W
K13G22O	16.2	0.15	K133T	144.279	237.168	158.140	1.140	0.36748	2.35002	5 X
K13G22P	19.1	0.15	K133T	319.752	218.599	27.850	3.353	0.13593	2.12863	5 X
K13G23E	18.7	0.15	K133T	62.915	286.298	199.176	20.938	0.08496	1.79229	9 X
K13G25R	17.8	0.15	K133T	336.252	238.478	345.874	7.191	0.16352	2.31513	8 X
K13G25Z	17.7	0.15	K133T	317.191	147.837	84.292	28.357	0.16538	2.54859	8 W
K13G26M	17.4	0.15	K133T	284.963	117.712	165.740	10.276	0.11039	2.55861	7 X
K13G26N	16.9	0.15	K133T	334.709	151.435	74.119	7.574	0.09005	2.70114	7 X
K13G27E	15.7	0.15	K133T	342.716	169.715	43.078	10.859	0.06705	3.13224	6 X
K13G27F	18.8	0.15	K133T	298.809	232.116	25.163	20.328	0.03981	1.96659	6 X
K13G27G	17.9	0.15	K133T	317.648	170.286	79.242	3.492	0.16100	2.38506	6 X
K13G27K	17.9	0.15	K133T	336.068	162.148	59.170	5.567	0.10154	2.20075	5 X
K13G27L	16.7	0.15	K133T	291.758	106.079	176.976	12.251	0.16886	2.67303	5 X
K13G27M	16.1	0.15	K133T	198.854	208.520	150.566	6.876	0.05833	2.74842	5 X
K13G28P	17.4	0.15	K133T	278.833	82.306	196.721	8.347	0.03741	2.32914	5 X
K13G29B	17.8	0.15	K133T	275.177	109.580	194.053	1.215	0.20022	2.47062	5 X
K13G29D	16.4	0.15	K133T	59.928	72.677	46.013	11.821	0.10691	3.19044	5 X
K13G29F	16.1	0.15	K133T	332.065	54.962	167.476	15.168	0.08886	2.59797	4 X
K13G31G	18.5	0.15	K133T	342.142	205.236	14.607	1.041	0.16209	2.36838	4 X
K13G32F	19.5	0.15	K133T	17.509	14.541	158.078	3.181	0.11981	2.19457	4 X
K13G32G	17.2	0.15	K133T	30.686	119.116	27.807	13.795	0.23104	2.62525	4 X
K13G32H	16.9	0.15	K133T	173.634	335.489	46.771	5.942	0.06318	2.57109	4 X
K13G32J	16.8	0.15	K133T	228.520	213.412	123.163	2.760	0.11250	2.69241	4 X
K13G32K	18.2	0.15	K133T	16.233	341.352	190.333	17.015	0.18898	2.84430	4 X
K13G32L	17.6	0.15	K133T	297.982	246.972	34.897	7.686	0.22229	2.24045	4 X
K13G32M	17.0	0.15	K133T	32.775	345.613	164.704	4.674	0.16902	2.81539	4 X
K13G32N	18.0	0.15	K133T	328.739	99.622	141.815	2.933	0.19189	3.00201	4 X
K13G32O	17.6	0.15	K133T	334.578	171.689	58.515	2.667	0.17593	2.32906	4 X
K13G32P	17.4	0.15	K133T	324.947	79.345	155.841	3.642	0.06573	2.79248	4 X
K13G32Q	18.6	0.15	K133T	326.109	188.914	55.135	3.060	0.20235	2.33357	4 X
K13G32R	16.2	0.15	K133T	233.559	152.857	177.476	6.991	0.08843	2.73679	4 X
K13G33V	16.3	0.15	K133T	217.385	162.105	182.804	10.886	0.08173	3.16513	4 X
K13G33W	18.0	0.15	K133T	108.680	266.858	173.667	5.644	0.06359	2.32049	4 X

K13G33X	16.6	0.15	K133T	50.385	320.381	180.453	9.466	0.06153	3.12543	4	X
K13G34A	16.9	0.15	K133T	247.017	1.103	315.494	6.072	0.09810	2.37908	3	X
K13G34B	15.8	0.15	K133T	253.326	90.320	230.156	10.665	0.10172	3.15007	3	X
K13G34G	17.1	0.15	K133T	321.615	17.098	193.404	14.765	0.08958	2.84237	6	X
K13G34H	18.9	0.15	K133T	221.598	124.145	187.794	21.154	0.07421	1.90434	6	X
K13G35K	17.2	0.15	K133T	352.249	60.102	152.132	13.916	0.26874	2.70463	8	X
K13G35Q	17.2	0.15	K133T	330.137	61.309	195.382	30.667	0.28524	2.56898	4	W
K13G35W	16.5	0.15	K133T	275.012	280.087	19.729	10.464	0.14731	2.97716	4	W
K13G35X	16.9	0.15	K133T	75.527	86.259	19.725	11.737	0.13873	2.65095	4	W
K13G36N	16.9	0.15	K133T	266.512	273.848	19.771	12.074	0.02002	2.89647	4	W
K13G36U	16.4	0.15	K133T	340.108	126.855	92.386	7.885	0.12861	2.72285	7	X
K13G36X	15.7	0.15	K133T	324.921	181.385	55.867	9.642	0.08007	3.22170	7	X
K13G37D	16.6	0.15	K133T	359.938	123.024	73.466	8.304	0.07341	3.13716	7	X
K13G37E	17.0	0.15	K133T	52.701	32.593	85.390	6.640	0.23344	2.58463	7	X
K13G37H	15.7	0.15	K133T	288.325	212.419	57.471	11.805	0.01576	3.15413	7	X
K13G37J	17.6	0.15	K133T	2.046	85.308	107.214	5.533	0.14012	2.40473	7	X
K13G37K	17.7	0.15	K133T	61.923	59.461	31.844	23.273	0.36086	2.45502	7	X
K13G37N	17.4	0.15	K133T	354.841	69.717	132.810	6.360	0.06810	2.35597	7	X
K13G37P	18.3	0.15	K133T	350.260	122.232	84.921	4.974	0.08973	2.19014	7	X
K13G37T	17.6	0.15	K133T	300.483	78.970	187.899	15.010	0.12374	2.58169	11	X
K13G37U	16.0	0.15	K133T	273.882	250.352	45.725	11.760	0.12552	3.14524	5	X
K13G37V	16.8	0.15	K133T	31.229	342.389	177.621	13.777	0.06973	2.51532	5	X
K13G37Z	18.0	0.15	K133T	291.205	231.085	59.370	4.113	0.21942	2.25103	4	X
K13G38A	15.9	0.15	K133T	357.150	160.189	40.169	7.838	0.10155	3.21429	4	X
K13G38B	16.5	0.15	K133T	358.980	142.468	56.233	4.870	0.05063	3.25563	4	X
K13G38C	16.1	0.15	K133T	210.431	163.896	185.084	13.194	0.02405	3.03282	4	X
K13G38D	17.8	0.15	K133T	56.533	5.020	120.196	1.895	0.13053	2.37482	4	X
K13G38F	16.7	0.15	K133T	86.651	286.761	164.443	4.206	0.15568	2.64138	4	X
K13G38H	16.2	0.15	K133T	208.283	320.001	29.265	12.382	0.03533	2.99724	4	X
K13G38J	16.1	0.15	K133T	270.866	261.016	35.360	6.195	0.10496	2.95690	9	X
K13G38L	17.0	0.15	K133T	0.257	148.542	45.557	12.675	0.08918	2.66236	3	X
K13G39A	15.7	0.15	K133T	196.582	311.414	38.375	0.807	0.07244	3.00607	4	W
K13G39B	17.2	0.15	K133T	314.446	62.244	184.098	8.114	0.16759	2.75974	4	W
K13G39H	18.5	0.15	K133T	329.570	207.857	17.478	4.556	0.12866	2.28041	10	W
K13G39O	16.3	0.15	K133T	30.952	303.947	184.350	17.466	0.24631	3.04767	6	W
K13G39P	15.9	0.15	K133T	305.088	255.770	4.773	25.592	0.26261	2.79231	2	W
K13G39R	16.0	0.15	K133T	191.453	171.499	199.676	19.097	0.17129	3.06913	5	X
K13G39T	17.1	0.15	K133T	306.386	134.770	127.100	6.006	0.18858	2.28133	4	X
K13G39U	16.4	0.15	K133T	323.385	146.573	102.459	6.467	0.17182	2.28239	4	X
K13G40D	17.6	0.15	K133T	302.939	248.558	26.030	15.149	0.19235	2.61394	4	X
K13G40E	18.3	0.15	K133T	344.783	188.311	22.457	21.396	0.04344	1.91838	4	X
K13G40U	17.1	0.15	K133T	319.090	208.865	35.460	7.702	0.07889	2.27742	7	W
K13G41A	18.3	0.15	K133T	357.101	175.306	28.907	13.016	0.11092	2.61038	3	X
K13G41D	16.2	0.15	K133T	107.727	63.112	24.334	15.291	0.03966	2.72186	9	W
K13G41U	18.0	0.15	K133T	229.345	293.797	49.498	2.786	0.19834	2.22382	3	X
K13G42A	17.5	0.15	K133T	326.916	45.083	194.808	10.779	0.14614	2.29238	3	X
K13G42G	16.9	0.15	K133T	322.008	238.966	25.410	31.597	0.29583	2.62099	3	W
K13G42Z	17.2	0.15	K133T	313.357	75.293	188.869	4.284	0.18041	3.06902	4	X
K13G43A	18.1	0.15	K133T	328.607	207.676	30.134	6.607	0.12018	2.35828	4	X
K13G43B	17.6	0.15	K133T	74.823	278.290	187.394	5.280	0.15719	2.37060	9	W
K13G43E	19.1	0.15	K133T	345.618	131.872	85.581	1.206	0.18075	2.27309	9	W
K13G43G	17.7	0.15	K133T	319.713	221.088	35.746	4.625	0.20894	2.36145	3	X
K13G43X	17.4	0.15	K133T	28.508	121.303	34.742	8.898	0.20672	2.30308	8	W
K13G44W	18.5	0.15	K133T	51.918	297.657	198.165	17.562	0.05697	1.85821	3	X
K13G45X	15.7	0.15	K1339	226.847	139.625	201.385	8.252	0.08734	3.16786	26	W
K13G46D	18.2	0.15	K133T	329.909	203.753	22.097	2.421	0.14318	2.62298	10	W
K13G46E	18.4	0.15	K133T	351.475	5.037	194.434	2.114	0.13470	2.32373	11	W
K13G46S	17.8	0.15	K133T	283.481	236.999	44.135	1.929	0.16527	2.36841	10	W
K13G46U	17.0	0.15	K133T	329.920	178.543	43.940	1.508	0.10652	3.12962	10	W
K13G47A	18.4	0.15	K133T	325.665	52.315	183.508	1.922	0.17967	2.29702	5	W
K13G48F	17.4	0.15	K133T	2.661	129.131	60.359	5.541	0.15818	3.03994	10	W
K13G48V	17.5	0.15	K133T	274.332	132.473	162.102	7.098	0.12119	2.30368	5	X
K13G49C	17.9	0.15	K133T	17.181	80.538	89.148	1.588	0.14721	2.34386	11	W
K13G49G	18.6	0.15	K133T	346.057	167.785	43.824	2.107	0.13651	2.30957	11	W
K13G49N	18.1	0.15	K133T	32.109	109.252	48.950	1.868	0.14534	2.38763	7	W
K13G49V	17.8	0.15	K133T	334.712	61.396	167.158	1.841	0.14212	2.35245	10	W
K13G49X	18.2	0.15	K133T	306.288	124.680	144.210	2.550	0.19406	2.37399	4	W
K13G50K	16.9	0.15	K133T	286.005	203.930	70.016	4.798	0.05787	2.78936	10	W
K13G50U	16.9	0.15	K133T	65.158	89.850	26.043	11.983	0.14171	2.63244	10	W
K13G50W	17.2	0.15	K133T	225.964	287.047	57.308	4.501	0.20269	2.37424	4	W
K13G51C	17.6	0.15	K133T	64.087	285.463	185.119	6.416	0.17418	2.44058	5	W
K13G51E	17.0	0.15	K133T	357.779	161.764	34.879	7.740	0.05673	2.36686	10	W
K13G51Z	18.3	0.15	K133T	169.877	3.254	13.951	20.698	0.04735	1.93319	6	W
K13G53V	17.4	0.15	K133T	326.167	157.646	104.464	3.205	0.28969	2.68614	9	W
K13G54Z	17.4	0.15	K133T	312.127	171.046	48.368	34.581	0.15440	2.55408	5	K

## New observations:

J88T00A	C2013	04	11.14160	14	49	22.20	-13	49	04.5	18.6	RcEG054J04
J88T00A	C2013	04	11.15317	14	49	22.96	-13	48	58.2	18.6	RcEG054J04
J88T00A	C2013	04	11.16475	14	49	23.71	-13	48	52.1	18.6	RcEG054J04
J88T00A	C2013	04	11.17632	14	49	24.48	-13	48	45.9	18.6	RcEG054J04

K09SA4Q	C2013	04	12.08561	07	00	31.06	+53	35	05.9	19.0	RqEG054H45
K09SA4Q	C2013	04	12.08656	07	00	32.11	+53	35	05.8	19.0	RqEG054H45
K09SA4Q	C2013	04	12.08800	07	00	33.54	+53	35	04.2	19.0	RqEG054H45
K09SA4Q	C2013	04	12.08948	07	00	35.03	+53	35	04.0	19.0	RqEG054H45
K09SA4Q	C2013	04	12.09024	07	00	35.81	+53	35	03.2	19.1	RqEG054H45
K09SA4Q	C2013	04	12.09143	07	00	37.06	+53	35	02.7	19.0	RqEG054H45
K09SA4Q	C2013	04	12.09249	07	00	38.13	+53	35	02.3	19.1	RqEG054H45
K09SA4Q	C2013	04	12.09363	07	00	39.24	+53	35	01.8	19.1	RqEG054H45
K09U03M	C2013	04	12.10653	08	39	36.43	+50	53	36.2	16.9	RqEG054H45
K09U03M	C2013	04	12.10782	08	39	35.08	+50	53	42.8	16.9	RqEG054H45
K09U03M	C2013	04	12.10840	08	39	34.49	+50	53	46.0	16.8	RqEG054H45
K09U03M	C2013	04	12.10932	08	39	33.54	+50	53	50.6	16.8	RqEG054H45
K09U03M	C2013	04	12.10995	08	39	32.89	+50	53	53.8	16.9	RqEG054H45
K09U03M	C2013	04	12.11054	08	39	32.25	+50	53	56.8	16.8	RqEG054H45
K10G24A	C2013	04	11.20510	11	22	00.01	+14	03	02.3	20.5	VuEG054703
K10G24A	C2013	04	11.21016	11	21	59.11	+14	03	02.2	20.0	VuEG054703
K10G24A	C2013	04	11.21520	11	21	58.35	+14	03	01.3	20.8	VuEG054703
K11SH3D	C2013	04	12.11196	08	21	03.65	+14	48	35.5	19.5	RqEG054H45
K11SH3D	C2013	04	12.11374	08	21	03.55	+14	48	37.6	19.5	RqEG054H45
K11SH3D	C2013	04	12.11512	08	21	03.44	+14	48	38.6	19.2	RqEG054H45
K11SH3D	C2013	04	12.11623	08	21	03.36	+14	48	39.7	19.5	RqEG054H45
K11SH3D	C2013	04	12.11843	08	21	03.13	+14	48	41.9	19.5	RqEG054H45
K11SH3D	C2013	04	12.11953	08	21	03.07	+14	48	42.9	19.6	RqEG054H45
K11SH3D	C2013	04	12.12130	08	21	02.87	+14	48	44.6	19.6	RqEG054H45
K11SH3D	C2013	04	12.12270	08	21	02.85	+14	48	46.3	19.5	RqEG054H45
K11W95U	C2013	04	11.36869	15	08	04.99	-05	06	33.4	19.7	VuEG054703
K11W95U	C2013	04	11.37508	15	08	04.88	-05	06	31.1	19.5	VuEG054703
K11W95U	C2013	04	11.38150	15	08	04.66	-05	06	30.8	19.5	VuEG054703
K11W95U	C2013	04	11.38789	15	08	04.48	-05	06	28.1	20.3	VuEG054703
K12Q08C	C2013	04	11.38023	13	18	51.752	-07	43	16.81	20.2	wLEG054F51
K12Q08C	C2013	04	11.39387	13	18	50.455	-07	43	11.24	20.2	wLEG054F51
K12Q08C	C2013	04	11.47938	13	18	42.324	-07	42	36.06	20.6	gLEG054F51
K12Q08C	C2013	04	11.49040	13	18	41.271	-07	42	31.24	20.8	gLEG054F51
K12T53F	C2013	04	11.14299	14	59	09.89	-14	12	28.5	18.4	RcEG054J04
K12T53F	C2013	04	11.15456	14	59	08.05	-14	11	59.4	18.4	RcEG054J04
K12T53F	C2013	04	11.16614	14	59	06.22	-14	11	30.2	18.5	RcEG054J04
K12T53F	C2013	04	11.17771	14	59	04.39	-14	11	00.8	18.5	RcEG054J04
K12X06Y	C2013	04	12.09486	07	38	07.47	+12	43	08.6	19.0	RqEG054H45
K12X06Y	C2013	04	12.09587	07	38	07.78	+12	43	05.1	19.0	RqEG054H45
K12X06Y	C2013	04	12.09693	07	38	08.22	+12	43	01.9	19.2	RqEG054H45
K12X06Y	C2013	04	12.09778	07	38	08.50	+12	42	59.3	19.1	RqEG054H45
K12X06Y	C2013	04	12.09858	07	38	08.74	+12	42	57.9	19.2	RqEG054H45
K12X06Y	C2013	04	12.09957	07	38	09.11	+12	42	54.4	19.1	RqEG054H45
K12X06Y	C2013	04	12.10046	07	38	09.43	+12	42	51.7	19.0	RqEG054H45
K12X06Y	C2013	04	12.10131	07	38	09.67	+12	42	49.1	19.1	RqEG054H45
K13A69E	JC2013	04	12.19233	10	32	33.49	+08	21	00.0	21.3	RoEG054695
K13A69E	JC2013	04	12.19799	10	32	33.74	+08	20	52.7	21.4	RoEG054695
K13A69E	JC2013	04	12.20270	10	32	33.93	+08	20	46.9	21.4	RoEG054695
K13A69E	JC2013	04	12.20738	10	32	34.16	+08	20	41.1	21.6	RoEG054695
K13E00A	JC2013	04	11.45080	14	38	07.32	+25	01	36.5	18.6	RoEG054695
K13E00A	JC2013	04	11.45317	14	38	07.84	+25	01	35.8	18.7	RoEG054695
K13E00A	JC2013	04	11.45515	14	38	08.27	+25	01	35.2	18.7	RoEG054695
K13E00A	JC2013	04	11.45888	14	38	09.07	+25	01	34.0	18.8	RoEG054695
K13E00A	JC2013	04	11.46134	14	38	09.60	+25	01	33.2	18.6	RoEG054695
K13E04Q	JC2013	04	11.46724	17	49	57.58	+57	40	09.4	20.5	RoEG054695
K13E04Q	JC2013	04	11.46857	17	49	58.29	+57	39	58.5	20.6	RoEG054695
K13E04Q	JC2013	04	11.46999	17	49	59.07	+57	39	47.2	20.5	RoEG054695
K13E04Q	JC2013	04	11.47134	17	49	59.81	+57	39	36.1	20.5	RoEG054695
K13E28L	JC2013	04	11.35723	13	44	03.79	+23	28	04.8	19.4	RoEG054695
K13E28L	JC2013	04	11.35916	13	44	03.99	+23	28	01.0	19.8	RoEG054695
K13E28L	JC2013	04	11.36111	13	44	04.16	+23	27	56.9	19.6	RoEG054695
K13E68C	JC2013	04	11.27562	13	53	37.84	+38	37	13.0	21.8	RoEG054695
K13E68C	JC2013	04	11.28225	13	53	38.32	+38	37	00.6	21.4	RoEG054695
K13E68C	JC2013	04	11.28839	13	53	38.74	+38	36	48.7	21.2	RoEG054695
K13E89H	KC2013	04	12.12524	09	17	59.12	-01	03	59.3	20.8	RoEG054291
K13E89H	KC2013	04	12.12888	09	17	59.53	-01	03	57.8	21.1	RoEG054291
K13E89H	KC2013	04	12.13252	09	17	59.98	-01	03	56.6	21.3	RoEG054291
K13EA8V	JC2013	04	11.12257	09	44	37.34	+50	54	58.4	17.1	RoEG054695
K13EA8V	JC2013	04	11.12347	09	44	36.04	+50	55	04.4	17.0	RoEG054695
K13EA8V	JC2013	04	11.12420	09	44	35.00	+50	55	09.3	17.1	RoEG054695
K13EA8V	JC2013	04	11.12493	09	44	33.94	+50	55	14.1	17.0	RoEG054695
K13EA8V	C2013	04	12.14538	09	18	03.97	+52	44	35.6	17.5	RqEG054H45
K13EA8V	C2013	04	12.14620	09	18	02.42	+52	44	40.7	17.3	RqEG054H45
K13EA8V	C2013	04	12.14692	09	18	01.13	+52	44	45.0	17.6	RqEG054H45
K13EA8V	C2013	04	12.14791	09	17	59.32	+52	44	51.2	17.8	RqEG054H45
K13EA8V	C2013	04	12.14858	09	17	58.15	+52	44	54.9	17.8	RqEG054H45
K13EA8V	C2013	04	12.14950	09	17	56.38	+52	45	00.5	17.8	RqEG054H45
K13EA8V	C2013	04	12.15016	09	17	55.25	+52	45	04.6	17.7	RqEG054H45
K13EA8V	C2013	04	12.15093	09	17	53.77	+52	45	09.1	17.6	RqEG054H45
K13EA8V	C2013	04	12.15178	09	17	52.25	+52	45	14.2	17.7	RqEG054H45
K13EA8V	C2013	04	12.15271	09	17	50.53	+52	45	20.0	17.6	RqEG054H45

K13EC6O	JC2013	04	11.12908	11	19	33.95	+25	10	03.0	16.7	RoEG054695
K13EC6O	JC2013	04	11.13007	11	19	32.95	+25	10	15.0	16.6	RoEG054695
K13EC6O	JC2013	04	11.13080	11	19	32.21	+25	10	23.8	16.6	RoEG054695
K13EC6O	JC2013	04	11.13153	11	19	31.46	+25	10	32.7	16.6	RoEG054695
K13EC6O	HC2013	04	11.40642	11	14	43.32	+26	06	14.3	16.4	RoEG054291
K13EC6O	HC2013	04	11.40664	11	14	43.08	+26	06	17.2	17.1	RoEG054291
K13EC6O	HC2013	04	11.40686	11	14	42.86	+26	06	19.8	17.1	RoEG054291
K13F07Z	JC2013	04	12.17433	09	28	05.56	-17	35	36.1	18.3	RoEG054695
K13F07Z	JC2013	04	12.17589	09	28	03.08	-17	35	36.9	18.9	RoEG054695
K13F07Z	JC2013	04	12.17654	09	28	02.06	-17	35	37.0	18.5	RoEG054695
K13F07Z	JC2013	04	12.17718	09	28	01.04	-17	35	37.4	18.7	RoEG054695
K13F08A	JC2013	04	11.21287	12	34	55.69	+02	23	28.2	20.0	RoEG054695
K13F08A	JC2013	04	11.22321	12	34	54.80	+02	23	31.6	19.8	RoEG054695
K13F08A	JC2013	04	11.23159	12	34	54.08	+02	23	34.5	19.7	RoEG054695
K13F08A	C2013	04	11.36921	12	34	43.162+02	24	24	24.08	20.6	wLEG054F51
K13F08A	C2013	04	11.38289	12	34	41.973+02	24	24	28.64	20.5	wLEG054F51
K13F08A	KC2013	04	11.38857	12	34	40.54	+02	24	25.8	20.8	RoEG054291
K13F08A	KC2013	04	11.39122	12	34	40.35	+02	24	27.4	20.0	RoEG054291
K13F08A	KC2013	04	11.39388	12	34	40.07	+02	24	28.3	20.4	RoEG054291
K13F08A	C2013	04	11.39656	12	34	40.790+02	24	33	15	20.4	wLEG054F51
K13F09L	JC2013	04	11.25212	13	24	40.39	+47	55	54.3	20.9	RoEG054695
K13F09L	JC2013	04	11.25377	13	24	40.45	+47	56	09.1	21.0	RoEG054695
K13F09L	JC2013	04	11.25542	13	24	40.49	+47	56	24.2	20.9	RoEG054695
K13F10Q	HC2013	04	11.40854	11	36	38.25	+22	48	25.5	19.2	RoEG054291
K13F10Q	HC2013	04	11.40897	11	36	38.19	+22	48	28.0	19.3	RoEG054291
K13F10Q	HC2013	04	11.40940	11	36	38.16	+22	48	30.5	19.1	RoEG054291
K13F13T	JC2013	04	11.36678	14	04	26.09	+22	28	58.9	20.8	RoEG054695
K13F13T	JC2013	04	11.36985	14	04	26.83	+22	29	03.3	21.1	RoEG054695
K13F13T	JC2013	04	11.37300	14	04	27.62	+22	29	07.8	21.3	RoEG054695
K13F13W	JC2013	04	11.29474	15	25	19.25	+42	30	05.2	20.9	RoEG054695
K13F13W	JC2013	04	11.29778	15	25	18.51	+42	30	10.0	20.8	RoEG054695
K13F13W	JC2013	04	11.30071	15	25	17.75	+42	30	15.5	20.9	RoEG054695
K13F13W	JC2013	04	11.30420	15	25	16.87	+42	30	21.4	20.8	RoEG054695
K13F13W	KC2013	04	11.48702	15	24	29.95	+42	35	22.5	21.3	RoEG054291
K13F13W	KC2013	04	11.48927	15	24	29.36	+42	35	25.5	21.1	RoEG054291
K13F13W	KC2013	04	11.49153	15	24	28.82	+42	35	28.4	21.2	RoEG054291
K13F13X	JC2013	04	11.42633	12	37	10.81	+24	13	43.7	20.9	RoEG054695
K13F13X	JC2013	04	11.43033	12	37	10.03	+24	13	33.4	20.7	RoEG054695
K13F13X	JC2013	04	11.43423	12	37	09.27	+24	13	23.0	20.7	RoEG054695
K13F13X	JC2013	04	11.43825	12	37	08.49	+24	13	12.8	20.7	RoEG054695
K13F13Y	C2013	04	11.28651	13	01	11.64	-01	01	05.1	15.9	VuEG054703
K13F13Y	C2013	04	11.29162	13	01	12.61	-01	00	11.3	15.9	VuEG054703
K13F13Y	C2013	04	11.29677	13	01	13.58	-00	59	16.9	15.9	VuEG054703
K13F13Y	C2013	04	11.30184	13	01	14.55	-00	58	23.4	15.9	VuEG054703
K13F13Y	JC2013	04	11.32657	13	01	19.42	-00	54	02.1	15.6	RoEG054695
K13F13Y	JC2013	04	11.32742	13	01	19.58	-00	53	53.1	15.5	RoEG054695
K13F13Y	JC2013	04	11.32875	13	01	19.83	-00	53	39.1	15.6	RoEG054695
K13F13Y	C2013	04	11.37449	13	01	32.924-00	45	20	68	15.9	wLEG054F51
K13F13Y	C2013	04	11.38815	13	01	35.496-00	42	56	51	15.9	wLEG054F51
K13F13Y	C2013	04	11.40185	13	01	38.081-00	40	32	10	16.0	wLEG054F51
K13F13Y	C2013	04	11.41561	13	01	40.675-00	38	07	08	16.0	wLEG054F51
K13G03O	KC2013	04	11.21719	11	44	11.07	+08	32	04.2	20.5	RoEG054291
K13G03O	KC2013	04	11.21976	11	44	10.43	+08	32	19.3	21.0	RoEG054291
K13G03O	KC2013	04	11.22233	11	44	09.78	+08	32	35.8	21.1	RoEG054291
K13G07Y	HC2013	04	11.37065	10	54	28.39	+06	25	25.1	20.3	RoEG054291
K13G07Y	HC2013	04	11.37136	10	54	28.29	+06	25	27.5	20.4	RoEG054291
K13G07Y	HC2013	04	11.37207	10	54	28.27	+06	25	30.2	20.1	RoEG054291
K13G07Z	KC2013	04	11.38167	12	22	19.25	-00	30	33.0	20.7	RoEG054291
K13G07Z	KC2013	04	11.38317	12	22	19.19	-00	30	37.0	20.4	RoEG054291
K13G07Z	KC2013	04	11.38467	12	22	19.14	-00	30	40.4	20.5	RoEG054291
K13G08L	KC2013	04	12.13964	05	45	32.09	+25	31	21.3	20.4	RoEG054291
K13G08L	KC2013	04	12.14061	05	45	32.25	+25	31	21.6	20.6	RoEG054291
K13G34C	C2013	04	11.36474	14	43	11.46	+01	10	10.7	19.4	VuEG054703
K13G34C	C2013	04	11.37115	14	43	12.43	+01	10	38.4	19.3	VuEG054703
K13G34C	C2013	04	11.37757	14	43	13.40	+01	11	08.0	19.5	VuEG054703
K13G34C	C2013	04	11.38395	14	43	14.30	+01	11	37.1	19.3	VuEG054703
K13G35J	C2013	04	11.31969	20	28	41.42	-45	50	36.8	19.5	VuEG054807
K13G35J	C2013	04	11.32277	20	28	41.59	-45	50	36.1	19.3	VuEG054807
K13G35J	C2013	04	11.32584	20	28	41.76	-45	50	35.1	19.8	VuEG054807
K13G35J	C2013	04	11.38401520	28	44	4.78	-45	50	15.9	19.1	RtEG054W85
K13G35J	C2013	04	11.38754820	28	44	9.6	-45	50	14.8	19.2	RtEG054W85
K13G35J	C2013	04	11.39106720	28	45	1.4	-45	50	13.6	19.1	RtEG054W85
K13G35J	C2013	04	11.39458320	28	45	3.2	-45	50	12.5	19.2	RtEG054W85
K13G35J	C2013	04	11.39810020	28	45	5.1	-45	50	11.2	19.2	RtEG054W85
K13G35J	QC2013	04	11.67087	20	29	00.20	-45	48	36.0	19.7	VqEG054E12
K13G38Q	C2013	04	11.09939	11	27	06.66	-07	21	01.0	19.9	VuEG054807
K13G38Q	C2013	04	11.10064	11	27	06.68	-07	20	57.1	20.0	VuEG054807
K13G38Q	C2013	04	11.10189	11	27	06.69	-07	20	52.8	20.3	VuEG054807
K13G38Q	C2013	04	11.10315	11	27	06.69	-07	20	48.9	20.2	VuEG054807
K13G38Q	C2013	04	11.10414	11	27	06.72	-07	20	45.6	20.2	VuEG054807
K13G38R	C2013	04	11.15506	12	36	50.16	-13	41	18.0	19.3	RuEG054G32



K13G38R	C2013	04	11.15909	12	36	49.50	-13	41	14.3	19.6	RuEG054G32
K13G38R	C2013	04	11.16310	12	36	48.91	-13	41	09.9	19.6	RuEG054G32
K13G38R	C2013	04	11.16712	12	36	48.15	-13	41	04.9	19.6	RuEG054G32
K13G38R	HC2013	04	11.19659	12	36	45.57	-13	41	12.1	18.9	RoEG054291
K13G38R	HC2013	04	11.19772	12	36	45.40	-13	41	10.9	19.3	RoEG054291
K13G38R	HC2013	04	11.19884	12	36	45.23	-13	41	09.9	18.8	RoEG054291
K13G38R	`C2013	04	11.71722212	35	28.76	-13	31	22.1	19.0	RqEG054D90	
K13G38R	`C2013	04	11.72123412	35	28.14	-13	31	17.1	18.9	RqEG054D90	
K13G38R	`C2013	04	11.72525212	35	27.55	-13	31	13.4	19.2	RqEG054D90	
K13G38S	KC2013	04	10.92331	11	53	35.14	+14	55	57.5	20.5	RvEG054J04
K13G38S	KC2013	04	10.92764	11	53	34.71	+14	56	00.2	20.5	RvEG054J04
K13G38S	KC2013	04	10.93198	11	53	34.28	+14	56	02.8	20.6	RvEG054J04
K13G38S	KC2013	04	11.13172911	53	14.97	+14	58	19.5	21.0	RtEG054W87	
K13G38S	KC2013	04	11.13766911	53	14.38	+14	58	23.2	21.0	RtEG054W87	
K13G38S	KC2013	04	11.14510311	53	13.64	+14	58	27.7	21.3	RtEG054W87	
K13G38S	KC2013	04	11.39792	11	52	49.10	+15	00	53.8	21.1	RoEG054291
K13G38S	KC2013	04	11.40081	11	52	48.83	+15	00	55.7	21.2	RoEG054291
K13G38S	KC2013	04	11.40370	11	52	48.51	+15	00	57.0	20.8	RoEG054291
K13G38U	C2013	04	10.97520	11	23	26.66	-11	04	20.6	20.6	VuEG054807
K13G38U	C2013	04	10.97766	11	23	26.58	-11	04	13.5	20.4	VuEG054807
K13G38U	C2013	04	10.98012	11	23	26.48	-11	04	07.4	20.5	VuEG054807
K13G38V	HC2013	04	11.37808	12	44	10.11	-10	23	27.6	20.0	RoEG054291
K13G38V	HC2013	04	11.37860	12	44	10.48	-10	23	26.5	20.3	RoEG054291
K13G38V	HC2013	04	11.37914	12	44	10.89	-10	23	25.9	20.0	RoEG054291
01036	C2013	04	06.35940	08	50	42.74	-12	09	08.9	15.2	RPEG054E89
01036	C2013	04	06.38793	08	50	42.64	-12	08	57.2	15.4	RPEG054E89
01036	C2013	04	06.39110	08	50	42.66	-12	08	55.9	15.3	RPEG054E89
01036	C2013	04	06.39310	08	50	42.63	-12	08	54.6	15.3	RPEG054E89
01866	C2013	04	11.53059	13	49	05.467+43	29	31.09	17.6	gLEG054F51	
01866	C2013	04	11.54178	13	49	04.322+43	29	31.64	17.6	gLEG054F51	
01917	C2013	04	11.28597	12	47	30.73	-00	52	51.8	18.6	VuEG054703
01917	C2013	04	11.29105	12	47	30.33	-00	52	49.9	18.8	VuEG054703
01917	C2013	04	11.29620	12	47	30.19	-00	52	46.4	18.6	VuEG054703
01917	C2013	04	11.30127	12	47	29.83	-00	52	43.0	19.1	VuEG054703
01917	C2013	04	11.37185	12	47	26.099-00	51	59.89	18.9	wLEG054F51	
01917	C2013	04	11.38552	12	47	25.329-00	51	51.57	18.8	wLEG054F51	
01917	C2013	04	11.41298	12	47	23.776-00	51	34.89	18.9	wLEG054F51	
03752	1C2013	04	11.06748	11	59	23.97	+82	53	33.2	16.9	VqEG054G40
03752	1C2013	04	11.08096	11	59	22.22	+82	53	27.9	17.0	VqEG054G40
03752	1C2013	04	11.09491	11	59	20.51	+82	53	22.3	17.0	VqEG054G40
03752	1C2013	04	11.10878	11	59	18.88	+82	53	16.6	16.7	VqEG054G40
03988	C2013	04	11.40689	19	27	59.20	-18	47	38.7	20.2	VuEG054807
03988	C2013	04	11.40983	19	27	59.86	-18	47	34.9	20.3	VuEG054807
03988	C2013	04	11.41301	19	28	00.57	-18	47	30.8	20.2	VuEG054807
03988	C2013	04	11.41607	19	28	01.27	-18	47	26.8	20.2	VuEG054807
03988	C2013	04	11.41913	19	28	01.96	-18	47	22.7	19.9	VuEG054807
04179	C2013	04	10.48736	08	27	49.15	+19	24	48.8	18.6	RrEG054D29
04179	C2013	04	10.50423	08	27	50.58	+19	24	43.6	18.7	RrEG054D29
04179	C2013	04	10.52109	08	27	52.00	+19	24	38.3	18.8	RrEG054D29
05693	C2013	04	11.17728	10	57	29.88	+16	07	11.4	19.1	VuEG054703
05693	C2013	04	11.18226	10	57	29.48	+16	07	12.6	19.4	VuEG054703
05693	C2013	04	11.18732	10	57	29.08	+16	07	14.7	19.9	VuEG054703
05693	C2013	04	11.19235	10	57	28.72	+16	07	15.9	18.7	VuEG054703
07480	C2013	04	11.55755	11	25	32.42	+19	16	22.6	20.1	RrEG054D29
07480	C2013	04	11.57654	11	25	31.44	+19	16	25.0	19.5	RrEG054D29
07480	C2013	04	11.59554	11	25	30.26	+19	16	29.2	18.9	RrEG054D29
07888	C2013	04	10.81532	14	14	05.49	+65	55	47.4		mEG054006
07888	C2013	04	10.82293	14	14	05.46	+65	55	17.4		mEG054006
07888	C2013	04	10.83013	14	14	05.42	+65	54	49.4		mEG054006
08567	C2013	04	11.24101	11	44	51.79	+03	13	39.6	20.6	VuEG054703
08567	C2013	04	11.24607	11	44	51.50	+03	13	41.4	19.9	VuEG054703
08567	C2013	04	11.25111	11	44	51.25	+03	13	45.0	19.8	VuEG054703
08567	C2013	04	11.25617	11	44	50.92	+03	13	48.2	19.6	VuEG054703
11311	C2013	04	10.27768	11	36	02.07	+37	58	27.8	20.4	rNEG054I41
11311	C2013	04	10.30731	11	36	00.24	+37	58	18.3	20.2	rNEG054I41
11311	C2013	04	10.33706	11	35	58.35	+37	58	09.2	20.6	rNEG054I41
11405	C2013	04	11.24848	06	40	11.228+33	08	43.62	17.8	wLEG054F51	
11405	C2013	04	11.25313	06	40	11.778+33	08	49.48	17.6	wLEG054F51	
11405	C2013	04	11.25775	06	40	12.317+33	08	55.26	17.5	wLEG054F51	
27346	C2013	04	11.52742	13	30	51.688+44	13	09.62	20.1	gLEG054F51	
27346	C2013	04	11.53860	13	30	50.746+44	13	13.50	20.1	gLEG054F51	
54686	C2013	04	10.28791	13	28	24.00	+29	52	32.7	19.1	rNEG054I41
54686	C2013	04	10.31783	13	28	21.66	+29	53	01.4	18.9	rNEG054I41
54686	C2013	04	10.35547	13	28	18.72	+29	53	37.3	18.9	rNEG054I41
68216	C2013	04	11.20004	11	19	16.82	+13	01	16.3	16.8	VuEG054703
68216	C2013	04	11.20510	11	19	16.35	+13	01	07.5	16.8	VuEG054703
68216	C2013	04	11.21016	11	19	15.92	+13	00	58.5	16.8	VuEG054703
68216	C2013	04	11.21520	11	19	15.49	+13	00	49.5	16.7	VuEG054703
99935	C2013	04	11.19861	10	17	51.97	+20	08	28.1	20.6	rNEG054I41
99935	C2013	04	11.23033	10	17	50.51	+20	08	24.9	20.4	rNEG054I41
99935	C2013	04	11.28488	10	17	48.03	+20	08	20.2	20.7	rNEG054I41

D9289	C2013	04	11.55526	14	17	24.816+33	19	12.47	20.9	gLEG054F51
D9289	C2013	04	11.56566	14	17	23.000+33	19	17.37	20.8	gLEG054F51
E1531	C2013	04	11.30836	15	19	07.81 -03	13	49.5	19.5	VoEG054691
E1531	C2013	04	11.32604	15	19	03.42 -03	13	57.9	19.6	VoEG054691
E1531	C2013	04	11.34368	15	18	59.02 -03	14	06.4	19.6	VoEG054691
F2941	C2013	04	11.41231	16	48	49.85 -30	18	09.0	19.6	VuEG054807
F2941	C2013	04	11.41653	16	48	50.02 -30	18	12.7	19.2	VuEG054807
F3220	C2013	04	11.11825	04	58	29.92 +25	57	34.3	20.1	VuEG054G96
F3220	C2013	04	11.12390	04	58	30.57 +25	57	35.2	19.9	VuEG054G96
F3220	C2013	04	11.12955	04	58	31.29 +25	57	37.0	21.2	VuEG054G96
F3220	C2013	04	11.13519	04	58	31.98 +25	57	38.5	21.4	VuEG054G96
F3220	C2013	04	11.14076	04	58	32.73 +25	57	39.2	21.6	VuEG054G96
G1998	C2013	04	11.31021	13	42	15.69 +01	27	58.4	18.6	VuEG054703
G1998	C2013	04	11.31530	13	42	15.40 +01	28	03.0	18.8	VuEG054703
G1998	C2013	04	11.32040	13	42	15.08 +01	28	07.7	18.9	VuEG054703
G1998	C2013	04	11.32553	13	42	14.76 +01	28	11.5	18.9	VuEG054703
G3364	JC2013	04	12.12671	04	52	01.30 +08	51	26.0	20.1	RoEG054695
G3364	JC2013	04	12.12990	04	52	01.71 +08	51	23.7	20.4	RoEG054695
G3364	JC2013	04	12.13308	04	52	02.14 +08	51	21.7	20.3	RoEG054695
G3696	C2013	04	10.29180	14	36	21.41 +26	37	02.5	18.7	rNEG054I41
G3696	C2013	04	10.32176	14	36	18.11 +26	37	17.4	18.8	rNEG054I41
G3696	C2013	04	10.35166	14	36	14.79 +26	37	32.2	18.8	rNEG054I41
G4201	C2013	04	11.48786	13	46	47.662-07	26	55.73	20.4	gLEG054F51
G4201	C2013	04	11.49888	13	46	46.651-07	26	52.73	20.4	gLEG054F51
K6910	C2013	04	10.48736	08	28	11.69 +20	49	06.9	18.4	RrEG054D29
K6910	C2013	04	10.50423	08	28	15.76 +20	48	56.5	18.4	RrEG054D29
K6910	C2013	04	10.52109	08	28	19.86 +20	48	46.6	18.5	RrEG054D29
L6689	C2013	04	11.36724	12	31	15.535+01	13	56.48	20.6	wLEG054F51
L6689	C2013	04	11.38093	12	31	14.694+01	14	02.56	20.5	wLEG054F51
L6689	C2013	04	11.39459	12	31	13.842+01	14	08.56	20.6	wLEG054F51
L6689	C2013	04	11.40837	12	31	12.990+01	14	14.66	20.6	wLEG054F51
O3298	C2013	04	11.36785	14	45	45.43 -12	56	24.6	20.7	VuEG054G96
O3298	C2013	04	11.37617	14	45	45.07 -12	56	22.3	20.8	VuEG054G96
O3298	C2013	04	11.38454	14	45	44.67 -12	56	19.4	21.1	VuEG054G96
O3298	C2013	04	11.39289	14	45	44.31 -12	56	17.0	21.8	VuEG054G96
R4855	C2013	04	11.24551	12	07	12.86 +09	09	51.3	17.2	VuEG054703
R4855	C2013	04	11.25057	12	07	12.68 +09	10	01.9	17.2	VuEG054703
R4855	C2013	04	11.25561	12	07	12.50 +09	10	12.5	17.4	VuEG054703
R4855	C2013	04	11.26073	12	07	12.28 +09	10	23.8	17.2	VuEG054703
R5976	C2013	04	11.37826	13	26	31.252-02	40	01.18	20.9	wLEG054F51
R5976	C2013	04	11.39189	13	26	30.352-02	39	58.49	20.9	wLEG054F51
R5976	C2013	04	11.40561	13	26	29.433-02	39	55.91	20.9	wLEG054F51
S5263	C2013	04	11.35983	08	54	52.82 -34	43	01.1	15.9	RPEG054E89
S5263	C2013	04	11.36260	08	54	52.53 -34	42	58.0	16.2	RPEG054E89
S5263	C2013	04	11.36380	08	54	52.64 -34	42	59.1	16.1	RPEG054E89
S5263	C2013	04	11.36500	08	54	52.56 -34	42	57.4	16.3	RPEG054E89
S5263	C2013	04	11.36620	08	54	52.49 -34	42	59.2	15.9	RPEG054E89
S5263	C2013	04	11.36860	08	54	52.31 -34	42	59.8	16.4	RPEG054E89
S5263	C2013	04	11.37373	08	54	51.97 -34	43	00.5	16.0	RPEG054E89
S5263	C2013	04	11.37612	08	54	52.10 -34	42	59.1	16.2	RPEG054E89
S5263	C2013	04	11.37733	08	54	51.90 -34	43	01.0	16.3	RPEG054E89
S5263	C2013	04	11.37853	08	54	51.91 -34	43	03.2	15.8	RPEG054E89
Y3158	C2013	04	10.36777	16	03	38.92 +19	56	23.7	19.9	rNEG054I41
Y3158	C2013	04	10.39714	16	03	32.81 +19	57	09.7	20.1	rNEG054I41
Y3158	C2013	04	10.42651	16	03	26.73 +19	57	55.9	20.0	rNEG054I41
Z0513	C2013	04	11.15627	08	52	11.71 +28	24	51.1	20.6	VuEG054703
Z0513	C2013	04	11.16134	08	52	12.00 +28	24	53.3	20.0	VuEG054703
Z0513	C2013	04	11.16638	08	52	12.28 +28	24	55.8	20.0	VuEG054703
Z0513	C2013	04	11.17143	08	52	12.54 +28	24	59.0	19.9	VuEG054703
Z0988	KC2013	04	10.97266	13	40	58.84 +53	20	37.5	16.8	VuEG054K38
Z0988	KC2013	04	10.98015	13	40	58.61 +53	21	33.0	16.7	VuEG054K38
Z0988	KC2013	04	10.98766	13	40	58.41 +53	22	28.5	17.1	VuEG054K38
Z4952	C2013	04	10.79944	14	10	28.63 -02	52	03.6	17.8	RrEG054D29
Z4952	C2013	04	10.81631	14	10	28.58 -02	51	47.4	18.0	RrEG054D29
Z4952	C2013	04	10.83319	14	10	28.52 -02	51	29.7	18.1	RrEG054D29
Z4952	C2013	04	11.33201	14	10	31.80 -02	42	56.1	17.9	VuEG054703
Z4952	C2013	04	11.33847	14	10	31.76 -02	42	49.8	18.1	VuEG054703
Z4952	C2013	04	11.34500	14	10	31.72 -02	42	43.3	18.1	VuEG054703
Z4952	C2013	04	11.35157	14	10	31.69 -02	42	35.3	17.9	VuEG054703
Z7028	C2013	04	11.15238	08	32	34.54 +23	36	44.4	19.7	VuEG054703
Z7028	C2013	04	11.15741	08	32	33.57 +23	36	41.0	19.9	VuEG054703
Z7028	C2013	04	11.16245	08	32	32.56 +23	36	39.1	19.5	VuEG054703

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