



SAO Bright Star List

For GOTONOVA™ 8405 Hand Controller

GOTONOVA SAO Bright Star List

For 8405

SAO	Mag.	SAO	Mag.	SAO	Mag.	SAO	Mag.
143	5.5	4562	5.4	8328	4.3	10818	3.4
181	4.5	4565	5.3	8417	5.6	10937	6
308	2.1	4694	5.3	8446	5.5	10954	6
344	6	4810	5.7	8462	6	10956	5.8
433	5.9	4840	4.9	8470	5	10962	5.9
500	6	4875	5.5	8527	5.5	10978	5.5
550	5.8	5000	5.4	8612	6	11084	5.8
623	5.8	5006	4.7	8862	6	11172	5.4
650	5.3	5238	6	8890	4.9	11256	4.2
685	5.4	5309	6	8939	5	11291	5.8
691	5.6	5407	6	8961	5.5	11336	5.9
693	5.7	5455	5.4	8996	5.8	11424	5.5
783	5.3	5483	5.8	9084	4.2	11444	4.9
1168	5.3	5496	5.2	9087	3.7	11482	2.8
1179	5.1	5861	6	9151	5.8	11484	5.5
1551	4.6	5919	5.9	9241	5.4	11502	6
1701	5.6	5946	5.6	9250	5.4	11551	5.9
1714	5.3	6022	4.8	9283	4.9	11557	5.9
2101	5.8	6041	5.8	9341	5.1	11612	5.3
2102	5.3	6378	5.6	9366	4.6	11615	5.5
2459	5.7	6392	5.3	9404	5.8	11617	5.5
2770	4.4	6487	5.7	9414	6	11751	5
2859	5.9	6792	5.9	9540	4	11919	5.5
2937	4.4	6897	4.6	9665	4.4	11941	5.8
2940	5.9	6898	5.8	9802	5.2	11983	5.7
3408	5.6	6936	5.4	9957	6	12031	3.4
3458	5.7	7009	6	9959	5.9	12038	5
3467	5.6	7164	5	10057	3.3	12065	6
3534	6	7500	6	10126	4.9	12076	5.2
3721	5.4	7522	5.1	10131	5.4	12095	5.9
3794	5	7532	5.9	10216	5.1	12097	5.6
3816	5	7540	5.4	10265	5	12298	4.6
3916	5.6	7593	3.9	10366	5.7	12421	5.8
4216	5.6	7600	5.2	10375	5.8	12472	6
4226	5.4	7821	5.9	10402	5.5	12517	5.6
4229	6	7854	5.7	10414	5.7	12608	5.8
4341	5.7	7958	5	10425	5.2	12704	4.8
4422	6	8024	4.4	10629	4.6	12743	5.5
4453	5.5	8102	2.2	10664	5.7	12874	5.3
4470	5.3	8207	5.1	10671	5.6	12890	5.8
4554	4.6	8220	3.1	10737	5.6	12891	5
4560	4.1	8274	5.3	10814	6	12916	4.7

SAO	Mag.	SAO	Mag.	SAO	Mag.	SAO	Mag.
12917	6	15200	6	17472	5.7	20075	5.7
12968	5.2	15260	5.9	17526	5.2	20150	6
12969	4.9	15261	5.1	17546	5.3	20190	5.2
13075	5.6	15269	5.2	17576	4.9	20268	3.7
13098	5.4	15273	5.9	17828	5	20398	5.5
13113	5.7	15384	2	17888	5	20554	4.9
13196	5.9	15486	6	17947	6	20614	5.2
13291	5.8	15520	5.9	17958	5.6	20838	5.9
13298	4.4	15532	4.1	17975	6	20853	5
13351	4.2	15542	5.5	18079	5.8	20869	5.6
13409	6	15567	5.4	18222	3.2	21009	5.7
13460	5.9	15606	5.5	18299	4.6	21133	2.4
13518	5.8	15816	5.3	18396	4.8	21366	5.4
13550	6	15871	5.9	18508	5.9	21381	5.7
13570	5.8	15901	5.8	18627	6	21457	5.9
13756	5.4	15902	5.7	18658	5.4	21486	5.7
13772	5.6	15907	5.9	18676	4.7	21489	4.9
13787	5.3	15941	5.3	18700	5.6	21551	5.1
13788	4.7	15960	5.5	18751	5.7	21566	3.7
13897	6	15962	6	18807	5.6	21609	2.5
13973	5	16080	5.4	18817	6	21637	4.9
13986	5.1	16142	5.7	18826	5.9	21677	5.5
14211	5.8	16186	6	18897	4.3	21729	5
14321	6	16199	4.8	18979	6	21732	3.6
14402	6	16273	3.6	19004	5.6	21832	5
14407	6	16305	5.4	19019	3.6	21855	4.8
14456	5.5	16406	6	19229	5.2	22024	5.3
14500	5.8	16558	4.9	19302	2.6	22032	5.7
14568	6	16574	5.9	19313	5.2	22070	4.5
14573	3.5	16660	5.2	19432	5.4	22191	5.3
14590	5.4	16712	5.8	19466	5.5	22268	2.8
14609	5.7	16713	5.8	19541	4.9	22389	6
14616	4.8	16754	5.9	19621	6	22397	4.9
14691	5.7	16794	5.9	19624	4.5	22456	5.7
14703	5.6	16848	5.1	19642	5.6	22554	4.2
14742	5	16962	5.4	19742	5.9	22678	5.9
14769	5.3	17062	5.4	19753	4.9	22690	5.5
14788	4.9	17073	5.6	19827	4.6	22696	5.6
14796	4.7	17074	2.9	19828	5.5	22859	5
14819	5.2	17107	5	19847	5.4	22959	5.9
14908	3.8	17130	5.9	19849	5.2	23047	5.4
14966	5.7	17188	5	19922	5.5	23256	5.2
15135	5.7	17281	4.8	19932	5.5	23319	4.9
15147	5.8	17365	3.2	19991	6	23555	5.7

SAO	Mag.
15163	4.9
23685	4.1
23763	5.4
23789	3.1
23791	5.1
23903	5.9
23914	5.3
23944	5.3
24054	4.4
24061	4.8
24064	5
24099	5.8
24169	6
24215	6
24231	5.9
24276	5.8
24314	5.5
24384	5.1
24412	4.3
24512	5.1
24514	5.8
24531	4.6
24544	5.5
24563	5.9
24671	5.9
24672	5.9
24743	5.3
24744	5.4
24829	5.4
24904	5.6
24919	5.8
24929	4.4
25001	5.3
25019	5
25161	5.3
25276	6
25447	5.3
25450	4.9
25502	3.9
25597	5.4
25665	4.4
25678	6
25681	5.4
25731	5.8

SAO	Mag.
17391	5.5
25842	5.8
25939	4.9
25947	5.5
26012	5.4
26051	4.5
26223	5.7
26248	5.3
26260	6
26312	5.6
26333	5.9
26423	6
26474	5
26488	5.3
26535	6
26618	5.8
26687	4.9
26701	6
26732	5.9
26756	5.5
26784	5.9
26819	5.6
26935	5.7
26946	6
27105	5.7
27136	4.5
27185	5.5
27191	4.9
27219	6
27289	3.3
27298	4.6
27377	5.4
27401	3.9
27408	4.5
27430	5.3
27438	6
27464	5.7
27503	5.7
27670	4.8
27695	5.2
27724	5.7
27748	5.8
27791	5.8
27793	5.7

SAO	Mag.
20042	6
28017	5.9
28064	5.8
28081	6
28142	5.4
28179	2.5
28191	5.9
28315	3.4
28327	6
28346	5.7
28366	5
28375	6
28394	5.8
28405	5.4
28444	5.5
28553	1.7
28572	6
28601	4.9
28737	2.4
28738	4
28751	4
28803	5.5
28832	5.3
28843	4.8
28866	5.8
28885	5.5
28928	5.6
28989	6
29046	4.6
29071	4.9
29137	4.1
29165	5.6
29191	6
29227	5.5
29315	5.7
29407	5.2
29487	5.5
29520	3.5
29583	6
29588	5.7
29597	6
29600	5.9
29628	5.5
29655	5.9

SAO	Mag.
23655	4
29727	5
29737	5.9
29765	4.1
29874	5.6
29931	5.7
30012	5.6
30013	5.6
30026	5.4
30076	4.9
30239	5.1
30354	6
30429	3
30447	5
30450	5
30538	5.7
30591	5.2
30631	3.9
30653	2.4
30784	5.9
30949	4.9
31039	5
31051	5.4
31093	5.9
31119	5.1
31165	5.8
31217	5.6
31218	4.9
31219	4.8
31241	5
31284	5.7
31311	5.2
31323	5.5
31371	5.4
31413	5.9
31468	5.2
31497	5.3
31537	4
31673	5.7
31702	3.9
31737	5.7
31782	5.6
31815	4.6
31822	5.6

SAO	Mag.
25733	5.5
25771	6
32085	5
32093	6
32114	4.8
32122	5.1
32170	6
32286	5.7
32378	4.3
32455	6
32627	5.9
32809	5.4
32862	4.6
33004	5.8
33034	5.5
33048	5.8
33078	5.7
33185	5.7
33210	5.6
33281	6
33318	5.8
33434	6
33540	6
33626	6
33665	4.8
33693	4
33819	5.5
33864	6
33985	5.7
33990	5.5
34137	3.6
34143	5.4
34149	5.2
34151	5.4
34227	4.2
34256	6
34395	4.6
34508	4
34542	3.9
34574	5.8
34628	4.8
34651	5.5
34858	5.6
35039	5.5

SAO	Mag.
27815	5.4
27876	2.4
35285	5.6
35361	5.9
35478	4.9
35642	5.3
35761	5.8
35763	5.1
35879	4.8
35899	6
35917	5.7
35938	4.8
35947	4.9
36037	6
36123	5.1
36173	5.7
36221	6
36236	5.8
36256	6
36390	5.2
36509	5.4
36550	5.7
36602	5
36617	5.5
36620	4.7
36640	6
36699	4.4
36833	6
36874	5.9
36950	5.2
36972	4.3
36984	5.7
37155	5
37228	5
37275	5.3
37362	4.2
37375	3.8
37406	5.2
37418	4.9
37419	5.5
37434	5.1
37536	6
37587	5.6
37665	5.8

SAO	Mag.
29668	5.8
29698	5.9
37878	6
37948	5.1
37960	5.6
37986	5.9
38005	5.5
38288	4.2
38289	5.6
38397	6
38493	5.6
38592	2.9
38597	4.2
38609	4
38635	6
38652	6
38704	5.4
38714	5.1
38750	5
38768	5.3
38787	1.9
38817	5.9
38849	4.9
38862	5.6
38872	4.7
38890	4.5
38893	6
38917	5.5
38924	5.4
38980	4.3
39053	3.1
39078	3.9
39085	5.6
39128	5.9
39134	5.8
39175	5.9
39195	5.3
39336	4
39404	4.3
39409	4.9
39457	5.5
39483	4.9
39501	6
39639	4.5

SAO	Mag.
31850	5.9
32042	5.2
39799	5.8
39826	5.6
39851	6
39955	3.5
39966	3.9
40026	3.3
40077	5.6
40186	0.2
40214	5.9
40233	4.9
40248	5.5
40269	5.1
40290	5.6
40466	6
40583	5.5
40750	2.1
40756	4.6
40778	5.7
40801	6
40840	5.9
41076	5.1
41130	6
41239	5.1
41288	5.2
41330	5.3
41346	5.3
41380	5
41429	6
41446	5.8
41450	6
41463	4.8
41644	5.5
41679	5.8
41681	4.8
41708	5.6
41738	5.3
41764	4.5
41797	5.6
41808	5.4
41879	5.8
41893	5.9
41934	5.8

SAO	Mag.
35147	4.9
35186	5.6
35236	5.6
42576	5.2
42611	5.9
42612	5.9
42630	3.1
42642	4.1
42661	3.7
42682	5.6
42759	5.3
42790	5.7
42876	5.6
42958	5.2
43046	5.2
43115	5.2
43268	3.5
43309	5.9
43310	3.2
43344	5.8
43379	4.8
43444	5.3
43512	4.8
43557	5.1
43562	5.7
43627	6
43629	3.1
43675	6
43719	5.1
43787	5.9
43837	5.5
43886	3.9
44002	5.1
44097	5.9
44127	5.6
44155	6
44230	4.3
44317	5.4
44383	6
44465	5.7
44519	5
44531	5.7
44549	4.7
44556	5.1

SAO	Mag.
37734	2.3
37735	5.1
37867	5.1
44752	1.9
44901	5.4
44905	5.4
44965	4.3
45121	5.9
45145	5.9
45153	5.4
45190	5.8
45226	5.8
45288	5.7
45337	3.6
45357	4.9
45370	5.6
45497	5.9
45562	6
45580	5.1
45590	5
45643	5.4
45650	5.8
45772	4.6
45788	5.5
45790	5.6
45863	5.8
45865	4.6
45911	4.3
45957	6
46028	3.9
46108	5
46147	5.5
46161	4.3
46184	6
46210	5.1
46305	4.9
46524	5.1
46561	6
46645	5.8
46664	5.7
46723	5.8
46792	5.8
46838	5.5
46872	3.8

SAO	Mag.
39688	5.7
39699	5.3
39702	5.8
47417	5.1
47779	5.9
47823	6
47909	5.6
47913	5.9
47919	4.3
48011	5.1
48278	6
48401	6
48601	5.3
48649	5.2
48691	5.4
48718	5
48771	6
48796	3
48892	5.6
48917	5.5
48920	5.7
49011	5.4
49058	5.8
49098	5.3
49152	6
49332	5
49337	4
49385	4.2
49395	5.9
49410	5.5
49438	5.8
49528	2.3
49531	5.9
49643	5.7
49712	4.9
49741	5.6
49804	5.6
49899	5.9
49941	1.3
49946	5.6
50073	5.6
50099	4.9
50121	5.1
50180	4.7

SAO	Mag.
42058	5.7
42319	4.4
42490	5.5
50274	4
50298	5.8
50303	6
50335	4.9
50359	5.2
50424	3.9
50456	4.9
50690	5.1
50713	5.6
50761	5.9
50824	5.5
50867	5.3
50934	5.3
51019	5.8
51035	4.2
51079	5.1
51101	5.1
51167	5.4
51189	6
51207	5.5
51221	5.5
51293	4.3
51595	5.5
51650	5.3
51783	5.5
51797	5.7
51904	4.7
51970	4.6
52055	4.6
52079	4.5
52251	4.6
52317	5.2
52348	5.8
52412	5.8
52436	5.2
52465	5.6
52471	5.9
52512	5.5
52516	5.1
52526	5.2
52609	3.6

SAO	Mag.
44570	5.7
44611	5.9
44668	4.6
44742	5.7
52761	5.9
52787	4.6
52871	5
52881	5.9
52907	5.4
52914	6
53039	5.6
53202	5.9
53204	4
53216	4.3
53264	4.3
53355	5.1
53374	5.8
53511	6
53777	4.4
53798	4.5
53803	5.8
53820	5.8
53825	6
53828	5.2
53860	5.6
54033	4.5
54038	5.6
54058	3.5
54079	5.4
54281	3.9
54374	5.5
54471	2.4
54493	5
54494	5.8
54655	5.5
54788	5.8
54912	5.5
54991	6
54994	5.8
55107	5.8
55218	5.4
55289	4.8
55306	3.1
55330	6

SAO	Mag.
47037	5.1
47121	5.9
47237	5.1
47342	5.4
55635	5.4
55650	5.9
55684	5.9
55687	5.6
55705	5.9
55793	5
55928	4.3
55946	4.7
55975	5.3
56031	5.2
56047	4.6
56052	5
56067	5.9
56138	3.7
56224	4.8
56285	5.5
56308	6
56322	6
56340	4.9
56419	5.6
56475	5.6
56531	5.8
56538	5.8
56628	5.6
56646	5
56673	3.9
56675	5.6
56727	5.1
56761	5.7
56799	2.9
56815	6
56824	5.5
56840	3
56856	4
57006	5.6
57047	5.9
57171	5.1
57212	5.6
57216	5.8
57229	5.3

SAO	Mag.
50182	5.6
50246	5.8
50262	6
50263	6
57522	2.9
57548	5
57559	6
57755	4.8
57799	5.1
57816	5.8
57853	4.8
57884	5.4
57906	5.2
57981	5.2
57988	5.9
58028	5.9
58040	5.7
58051	5.3
58164	4.9
58182	6
58280	5.5
58319	6
58465	4.6
58496	5
58502	4.2
58569	5.8
58636	2.7
58657	6
58749	5.3
58852	6
59128	5
59194	5.6
59280	5.1
59316	5.7
59319	5.3
59521	5.8
59570	3.6
59631	6
59773	5.6
59858	4.5
59866	5.1
59964	6
60010	5.2
60118	4.2

SAO	Mag.
52623	5.1
52649	4.9
52711	5.6
52713	5.8
60291	6
60328	5.5
60340	5.3
60379	6
60890	6
60907	5.8
61102	5.8
61117	6
61125	5.6
61146	5.5
61177	5.6
61202	5.8
61254	4.7
61288	6
61306	5.3
61361	6
61387	5.8
61391	3.8
61411	5.9
61414	3.3
61529	6
61540	5.5
61570	4.6
61578	5
61586	5.5
61594	5.7
61636	5.5
61648	6
61656	5.7
61808	5.6
61874	4.5
62010	5.8
62019	5.8
62038	4.8
62053	4.4
62076	5.9
62101	5.8
62121	5.6
62173	4.8
62178	5.8

SAO	Mag.
55347	5.4
55397	5.3
55420	5.1
55427	4.1
55570	5.8
62427	6
62484	3.9
62486	3.7
62491	4.8
62572	5.3
62655	5.5
62658	5.7
62718	5.8
62784	6
62802	5.6
62928	5.1
63000	5.2
63070	5.4
63177	6
63217	5.9
63256	5.4
63257	2.9
63288	5.1
63338	5.1
63380	6
63462	6
63468	6
63623	5
63648	4.9
63701	6
63735	6
63739	5.6
63760	5.8
63781	6
63793	5
64053	4.8
64072	6
64178	6
64202	3.8
64203	3
64344	6
64355	5.5
64449	5.6
64476	5.7

SAO	Mag.
57377	5.8
57441	5.8
57444	5.9
57447	5.1
57475	5
64701	5.9
64769	4.2
64790	5.4
64833	6
64834	5.1
64870	5.6
64948	4.8
64974	5.5
65001	5.7
65024	5.4
65049	5.9
65108	4.9
65132	5.7
65165	5.4
65233	5.5
65254	4.7
65257	5.4
65259	5.3
65290	5.5
65485	3
65504	3.6
65512	5.9
65627	5.4
65716	3.9
65736	5.3
65766	6
65812	5.4
65890	3.4
65913	4.6
65921	4.8
65930	6
65963	5.4
66000	5.5
66001	4.5
66054	5.9
66103	5.8
66175	5.8
66485	4
66524	4.5

SAO	Mag.
60198	1.6
60204	5.3
60243	5.6
60247	4.9
60257	5.9
66737	5
66765	5.9
66869	4.3
66943	5
67090	5.4
67134	5.9
67164	5.5
67174	0.1
67193	5.8
67293	5.5
67309	6
67310	5.1
67315	4.5
67321	4.3
67324	5.9
67396	5.8
67441	5.8
67446	5.2
67451	3.9
67452	3.8
67485	6
67537	5.5
67559	4.5
67612	5.2
67642	5.8
67663	3.3
67682	5.1
67782	5.8
67834	5.1
67835	5
67946	5.8
68010	4.5
68065	4.5
68301	5.1
68417	6
68447	4.9
68552	5.9
68637	4.8
68730	5.9

SAO	Mag.
62236	5.4
62297	3.9
62310	5.9
62314	5.2
62354	5.1
69072	5.8
69101	4.9
69116	4
69129	6
69188	5.4
69231	5.1
69362	5.7
69413	5.5
69518	4.8
69678	5
69701	5.8
69773	4.9
69803	5.5
69806	5.2
69950	4.6
69951	5.7
70056	5.5
70095	4.1
70096	5.9
70203	4.9
70323	5.9
70362	5.9
70423	5.7
70467	4.3
70474	2.6
70499	5.2
70505	4.5
70645	5.7
70917	5.7
70919	5.4
70968	5.7
71070	3.4
71086	6
71121	3.8
71165	4.3
71173	4.4
71203	5.8
71237	6
71329	5.8

SAO	Mag.
64589	3.5
64652	6
64656	5.4
64667	5.9
64673	5
64686	4.5
72077	4.4
72132	5.4
72155	4.6
72191	4.2
72406	5.5
72446	5.8
72509	5.8
72575	4.9
72627	5.2
72732	6
72838	6
72851	5.6
73187	5.8
73190	5.8
73205	5.4
73241	5.5
73311	5.3
73341	5.2
73345	5.7
73346	5.5
73535	5.9
73656	5.8
73765	2.1
73838	6
74041	5.3
74084	5.5
74164	4.5
74182	5.6
74200	6
74267	4.3
74359	5.6
74373	5.9
74388	4.6
74395	5.6
74482	5.5
74483	5.8
74506	5.6
74544	4.9

SAO	Mag.
66531	6
66626	5.9
66648	5.2
66666	5.7
66703	5.9
66733	5.9
75012	2.7
75030	6
75048	6
75051	4.8
75114	5.7
75146	5.1
75149	6
75151	2.2
75171	5.1
75204	5.4
75238	5.6
75239	5.8
75276	5.3
75382	5.4
75391	5.9
75407	5.9
75495	5.4
75510	5.4
75532	4.6
75578	4.6
75588	5.9
75596	3.7
75662	5.9
75673	4.6
75693	5.9
75723	5.4
75757	5.6
75788	5.6
75810	5
75863	5.9
75871	4.7
75886	5.2
75892	5.6
75899	5.3
75912	5.7
75915	5.9
75999	5.9
76121	6

SAO	Mag.
68764	6
68778	5
68827	5
68859	5.7
68943	4.2
68947	5.4
76199	3
76215	5.5
76228	3.8
76229	5.2
76250	5.9
76256	5.4
76339	5.8
76343	6
76425	5.7
76430	4.5
76438	6
76455	5.3
76461	5.3
76485	5.5
76532	4.8
76541	5.6
76548	5.4
76551	5.3
76558	5.1
76573	5.4
76585	5.9
76601	4.4
76602	5.4
76608	4.4
76613	5.4
76618	5.7
76654	5.7
76670	6
76680	5.7
76707	5.7
76721	4.3
76802	5.9
76858	6
76862	5.6
76920	4.7
76971	5.3
76972	6
76974	5.5

SAO	Mag.
71358	5.2
71371	5.7
71480	5
71643	5.6
71722	5.8
72064	5.6
77322	5.7
77336	3
77354	6
77360	5
77578	5.9
77592	5
77625	5.6
77675	4.5
77705	4.6
77730	5.4
77750	6
77775	4.9
77911	4.7
77915	4.3
78045	6
78050	5.8
78079	5.9
78135	3.7
78143	4.5
78297	3.2
78349	6
78423	4.1
78524	5
78571	5.5
78593	5.8
78682	3.2
78692	5.5
78805	5.2
78816	5.8
78866	5.8
78999	5.2
79009	6
79031	3.9
79042	5.9
79141	5.6
79162	5.8
79199	6
79221	5.9

SAO	Mag.
74546	4.7
74571	4.6
74637	4.7
74647	5.6
74872	6
74883	5.3
74996	3.6
79403	5.3
79427	5
79434	5.1
79533	4.2
79580	6
79638	4.3
79650	5.4
79653	3.7
79666	1.2
79774	5
79799	5.4
79861	5.9
79896	5
79959	5.4
79995	5.8
80016	5.6
80104	5.2
80112	5.9
80113	5.9
80181	5.8
80229	5.7
80243	5.5
80378	4.7
80416	4.2
80511	5.3
80585	6
80595	5.5
80650	5.4
80659	6
80666	5.2
80807	4.6
80885	4.5
81004	3.1
81035	6
81054	5.3
81064	4.1
81129	5.9

SAO	Mag.
76126	5.4
76131	3.8
76137	5.6
76140	4.4
76155	4
76159	5.9
76172	4.3
81485	5.5
81490	5
81583	4.5
81637	4.4
81692	5.6
81727	2.6
81736	4.9
81893	5.8
81941	5.4
81998	4.5
82123	5.8
82166	5.8
82178	5.8
82182	5.7
82211	5.1
82219	5.7
82250	5.7
82271	6
82273	4.8
82291	5.1
82310	5.1
82313	4.6
82314	5
82330	5.4
82333	5.5
82336	5.7
82346	5.4
82390	4.8
82421	5.5
82515	5.8
82537	5.1
82550	5.1
82650	6
82651	5.9
82659	4.9
82706	4.3
82825	5.8

SAO	Mag.
76990	6
77097	5.1
77124	5.7
77168	1.8
77184	4.8
77201	5.9
77285	5.3
83203	4.8
83394	5.9
83395	6
83416	4.5
83440	5.9
83488	4.9
83500	2.7
83551	5.7
83553	5.8
83624	4.9
83645	4.7
83671	5
83682	5.7
83685	5.9
83729	5.3
83755	5.7
83768	5.6
83831	3.7
83893	2.3
83958	3.9
84015	5.8
84019	4.7
84037	4.9
84070	5.8
84098	4.2
84152	4.9
84155	4.8
84240	6
84281	5.7
84411	2.8
84416	5.3
84423	6
84543	5.9
84641	5.9
84651	5.2
84687	5.5
84758	5.7

SAO	Mag.
79294	3.5
79328	5.2
79352	5.1
79354	6
79366	5.7
79374	3.9
79391	5.9
85163	4.5
85182	5.6
85232	5.8
85264	5.7
85344	5.6
85360	5.7
85397	3.5
85429	5.8
85437	5.3
85464	5.6
85468	5.9
85545	5.5
85552	5.7
85590	3.8
85647	5.2
85648	5.1
85672	5.1
85725	5.3
85750	3.8
85752	6
85753	5.9
85769	4.3
85770	5.2
85921	5.5
85941	5
85956	5.5
85957	5
85975	5.7
86003	3.9
86043	5.7
86115	5.7
86175	6
86224	5.8
86406	4.3
86418	4.9
86451	6
86521	5.3

SAO	Mag.
81154	5.6
81258	5.4
81260	5.9
81264	6
81265	3.6
81270	5.9
81298	2.6
81299	3.8
87010	4.6
87036	5.4
87136	4.9
87159	4.9
87261	4.6
87267	6
87301	3.2
87302	5.4
87314	6
87385	5.4
87633	5.5
87729	6
87813	4.9
87840	5.7
87883	4.5
87908	5.5
88016	5.7
88071	4.7
88088	5.8
88098	5.3
88133	5.7
88212	5.1
88295	5.5
88330	5.8
88339	5.9
88391	5.2
88410	4.8
88416	5.4
88428	4.7
88451	5.5
88580	5.4
88664	5.8
88783	6
88903	5.5
88944	4.8
88945	5

SAO	Mag.
82905	5.9
82942	5.6
82946	5.8
82993	5.9
83015	5.1
83055	5.8
83084	5.2
83103	5.4
89720	5.4
89752	4.8
89871	5.8
89940	4.7
89949	4.3
89972	5.5
90040	5
90065	5.6
90075	5
90214	5.9
90217	5.6
90238	4
90252	5.7
90259	6
90337	6
90440	4.9
90544	6
90717	4.9
90734	3.1
90775	4.1
90816	3.7
90896	5.6
90981	2.6
91019	5
91022	5.9
91186	4.6
91253	4.6
91278	5.9
91340	5.5
91457	5
91522	5.9
91611	4.8
91669	5.9
91701	5.7
91734	5.7
91750	5.5

SAO	Mag.
84776	6
84835	5.7
84951	3.2
85001	5.8
85016	5.3
85021	5.1
85062	5.7
85095	5.4
92283	5.6
92326	5.9
92436	5.3
92444	5.6
92463	6
92484	3.7
92520	6
92531	5.9
92536	5.6
92637	5.7
92659	5.9
92680	4.8
92681	4.8
92721	5.2
92822	5.9
92841	6
92877	5.7
92932	5.5
93022	5.7
93062	5.7
93082	5.8
93083	5.2
93118	6
93127	5.3
93144	5.5
93189	5.9
93195	5.6
93276	5.8
93320	5.9
93328	4.5
93463	5.1
93469	4.3
93557	5.5
93611	5
93650	6
93719	4

SAO	Mag.
86558	5.8
86567	4.6
86673	5.3
86707	5.5
86817	5.7
86819	5.5
86930	5.9
86987	5.6
93897	3.9
93900	5.7
93907	4.8
93918	6
93923	4.2
93932	4.6
93935	4.9
93943	5.8
93948	6
93950	5.3
93954	3.6
93955	4
93957	3.6
93960	5.1
93970	5.7
93975	4.8
93978	5.5
93979	5.5
93993	6
94007	4.8
94026	4.4
94027	1.1
94043	5.8
94044	4.3
94051	5.1
94054	4.9
94063	5.4
94095	5.4
94111	5.4
94164	5.1
94176	5.2
94197	5.1
94201	4.7
94212	5.7
94218	4.3
94227	5.7

SAO	Mag.
88959	5.9
89084	5.1
89216	5.4
89228	4.8
89272	5.2
89332	5.6
89640	5.8
89678	5.7
89685	5.7
94573	6
94596	5.8
94628	4.7
94630	6
94649	5.5
94652	5.6
94671	5.6
94700	5.4
94759	4.9
94848	5.9
94855	5.7
94858	5.5
94864	5.2
94888	4.9
94904	5.7
94942	6
94945	5.6
94986	5.9
95075	5.8
95166	5.2
95170	6
95259	4.4
95352	5.9
95359	5.7
95362	4.4
95365	4.9
95419	5.7
95432	5.2
95444	5.8
95447	5.3
95457	5.4
95476	5.1
95502	6
95543	6
95599	6

SAO	Mag.
91781	2.9
91792	4.9
91910	5.3
91995	5.9
92072	5.6
92080	5.7
92099	5.2
92145	5.8
92230	5.6
96179	5.9
96265	4.7
96294	5.9
96363	5.9
96403	5.9
96409	6
96429	5.3
96535	5.6
96638	5.3
96672	5.8
96746	3.6
96871	5.3
96952	4.9
96985	5.6
97016	5.1
97120	5.2
97157	5.8
97221	5
97224	5.3
97399	6
97472	5.8
97485	5.9
97542	5.1
97645	5.1
97646	6
97694	6
97781	5.9
97819	5.8
97843	5.9
97881	5.6
98069	5.7
98087	4.2
98089	5.6
98117	5.7
98230	5.9

SAO	Mag.
93721	5.8
93775	5.9
93784	6
93785	5.7
93868	3.9
93872	5.6
93874	6
93876	5.3
93892	5.8
98755	5.9
98769	5
98876	5.2
98955	3.6
98964	4.6
98967	1.3
99034	5.7
99065	5
99136	5.9
99172	5.7
99281	5.6
99282	5.6
99305	5.3
99512	3.4
99525	5.5
99587	4
99598	6
99601	5.6
99629	6
99637	5.7
99673	6
99800	5.9
99809	2.2
99812	6
99869	5.5
99997	5.8
100012	5.1
100053	4.9
100160	5.2
100161	5.2
100176	5.8
100211	5
100252	5.3
100260	6
100283	5.6

SAO	Mag.
94240	6
94290	4.6
94332	5
94359	4.9
94377	5.4
94426	5.5
94526	5.1
94554	5.3
94566	5.5
100654	5.5
100706	4.5
100725	4.3
100745	6
100751	5.7
100766	2.8
100801	6
100925	5.5
100934	5.4
100944	0.2
100949	5.8
100956	6
100975	5.3
100980	5
101025	5.4
101121	6
101137	6
101138	4.9
101139	5.8
101145	3.9
101152	5.6
101184	4.7
101250	4.6
101276	6
101293	5.8
101299	5.8
101379	6
101429	6
101545	5.5
101623	5.2
101624	4.2
101640	5.4
101642	5.9
101678	6
101682	4.5

SAO	Mag.
95659	4.7
95766	5.8
95788	5.1
95830	5.6
95912	1.9
95963	5.9
96015	5.1
96051	4.6
96074	3.4
96161	5.7
101939	5.6
101951	5.3
101994	5.9
102040	5.9
102107	3.8
102153	4.5
102234	4.9
102314	6
102365	5.8
102410	6
102434	5.9
102458	4.3
102476	5.6
102553	5.1
102564	5.9
102584	4.9
102646	5.6
102680	3.5
102681	5.4
102724	5.9
102725	5.3
102757	5.2
102805	5.7
102912	5.6
102917	5.7
102932	2.1
103033	5.6
103106	5.6
103131	6
103285	4.7
103581	6
103648	5.9
103655	5.5
103800	5.7

SAO	Mag.
98235	5.7
98247	5.2
98250	5.6
98267	4.3
98378	5.1
98456	5.6
98627	5.1
98673	5.9
98709	3.8
98733	5.6
104655	5.7
104668	5.5
104691	5.1
104722	5.4
104728	6
104797	6
104807	5.2
104818	5.3
104831	5.6
104832	5.8
104839	6
104896	5.7
104990	4.9
105061	5.7
105120	4.4
105132	5.8
105133	4.5
105168	5.3
105223	2.8
105259	3.8
105282	5.7
105298	5
105338	5.2
105436	5.5
105438	5.3
105471	5.4
105500	3.7
105522	5.6
105615	5.5
105635	5.9
105659	5.3
105878	5
105974	6
105991	6

SAO	Mag.
100357	5
100374	6
100384	3
100436	6
100443	4.5
100460	5.8
100473	5.8
100497	5.5
100582	5.2
100592	5.8
106476	4.5
106477	4.5
106536	6
106665	5.4
106666	5.5
106712	5.6
106747	6
107073	4.3
107195	5.9
107288	5.3
107340	6
107365	4.5
107425	5.3
107445	5.7
107474	5.8
107528	5.6
107587	5.7
107625	5.8
107675	5.8
107712	5.9
107854	4.9
108064	5.8
108094	5.8
108103	3.6
108165	4.3
108231	5.7
108307	5.8
108378	2.6
108443	5.9
108463	5.9
108580	5.3
108638	4.7
108732	5.4
108789	5.4

SAO	Mag.
101683	5.3
101686	5.8
101712	5.9
101725	3.7
101739	5.7
101752	4.3
101771	5.6
101826	3.9
101834	5.7
101879	5.3
109739	5.6
109793	5.3
109926	5.1
110065	4.7
110110	4.5
110138	6
110206	4.8
110266	5.8
110291	4.3
110390	5.7
110408	4.5
110456	5.8
110495	5.6
110543	4.3
110583	6
110589	5.4
110635	5
110636	5.9
110640	6
110665	4
110707	3.6
110723	4.4
110730	6
110889	4.7
110920	2.8
110921	5.6
110945	6
111044	5.8
111120	5
111142	5.8
111172	3.8
111195	3.8
111246	5.6
111292	4.4

SAO	Mag.
103879	5.7
104093	4.4
104129	5.8
104272	5.7
104296	5.4
104303	5.9
104308	5.4
104318	4.2
104461	3
104488	5.1
104511	6
111674	5
111680	5.1
111696	4.3
111756	5.9
111791	5.1
111817	6
111845	5.5
111896	5.8
111928	5.3
111954	5.5
112106	3.3
112124	4.4
112142	3.8
112179	5.7
112197	3.9
112203	5.5
112206	5.9
112281	4.7
112406	5.9
112440	5.5
112467	5.4
112528	4.6
112556	5.8
112624	5.5
112667	5.7
112697	5
112734	4.7
112740	1.7
112752	6
112775	4.7
112830	5.7
112849	4.3
112861	5.5

SAO	Mag.
106172	5.9
106230	4
106248	5.2
106274	4.7
106316	3.7
106322	5.4
106347	5.9
106357	3.9
106425	4.5
106458	5.6
106475	5.2
113271	0.6
113284	6
113321	5.3
113389	4.2
113429	5.8
113430	5.7
113507	5.6
113650	6
113675	5.3
113683	5.8
113810	4.5
113845	5.8
113905	5.3
113906	5.8
114023	6
114034	4.5
114097	5.7
114258	4.7
114269	5.6
114324	5.8
114388	5.8
114410	5
114428	4.7
114556	5.8
114722	6
114835	5.9
114899	6
114935	6
114947	5.9
115062	6
115119	5.6
115159	6
115269	6

SAO	Mag.
108878	5.2
108879	5.4
109087	5.9
109152	5.6
109192	6
109224	6
109262	5.7
109471	5.8
109474	4.5
109627	4.5
109697	5.7
116043	5.1
116120	5.8
116182	5.4
116244	5.7
116260	4.5
116569	3.8
116747	5.9
116752	5.2
116894	6
116929	6
116953	6
116965	4.2
116988	4.5
117050	4.3
117088	6
117112	3.5
117146	4.4
117264	3.3
117420	5.4
117527	3.8
117717	5.5
117718	5.9
117751	5.3
117807	5.1
117821	4.8
117898	6
117901	5.7
117959	5.9
118001	5.9
118044	4.9
118164	5.9
118286	5.9
118355	3.9

SAO	Mag.
111334	5.8
111400	5.4
111469	5.6
111516	6
111566	5.7
111579	3.9
111585	5.3
111586	5.5
111590	5.4
111648	5.7
111672	5.4
118804	4.1
118831	5.5
118875	5.2
118929	5.8
118965	5.5
119029	5.1
119035	4.2
119058	5.2
119076	3.8
119111	5.6
119156	5.2
119164	4.6
119213	4.2
119249	5.7
119341	5.1
119508	6
119538	5.5
119574	5.2
119580	5.9
119674	3.7
119847	5.2
119855	5
119899	5.7
119905	5.9
120004	4.9
120082	5.6
120185	5.9
120228	5.9
120238	4.3
120339	4.9
120426	5.1
120433	5.7
120434	5.1

SAO	Mag.
112904	5.3
112914	4.5
112921	3.7
112958	4.4
112979	5.7
113001	4.5
113033	6
113056	5.2
113124	5.9
113150	5.3
113179	5.9
113220	5
121152	5.8
121157	2.8
121170	5.6
121186	4.4
121215	5.3
121218	3.8
121315	5.9
121383	5.9
121392	6
121431	5.6
121540	4.8
121568	5.7
121623	5.5
121658	3.9
121676	5.6
121776	5.7
121790	5.9
121834	6
121843	5.4
121859	6
121865	5.3
121895	5.5
121911	5.5
121962	3.4
122056	5.9
122224	6
122226	6
122346	5.9
122381	6
122387	4.4
122418	5.2
122465	5.6

SAO	Mag.
115335	6
115425	5.1
115456	3.1
115477	5.3
115478	4.6
115581	5.3
115610	5.7
115644	5.8
115693	5.9
115756	0.5
115773	5.8
115813	5.9
123198	5.7
123212	5.7
123353	5.6
123377	4.9
123385	6
123462	5.7
123497	5.4
123516	5.6
123690	5.4
123693	5.4
123879	5
123886	5.7
124050	5.7
124068	4.5
124070	5.4
124089	5.6
124203	5.7
124266	5.5
124318	5.4
124408	5.1
124455	5.4
124487	5.3
124603	3.4
124628	4.9
124661	5.9
124675	5.8
124799	4.6
124903	5.2
125032	5.7
125122	0.9
125159	4
125210	4.9

SAO	Mag.
118376	5.2
118380	5.7
118574	6
118576	6
118610	5
118615	5.1
118648	4.7
118668	5.7
118731	5.4
118735	5.9
118764	5.4
118778	6
126597	6
126643	4.6
126662	4.1
126719	6
126749	5.1
126956	5.8
126965	5.3
126997	5.8
127002	5.6
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127060	5.5
127219	6
127235	5.8
127239	5.9
127285	4.9
127340	3.7
127420	6
127453	5.4
127520	4.6
127529	5.9
127540	4.9
127544	5.8
127551	5.5
127810	5.3
127836	6
127839	5
127881	5.6
127894	6
127934	4.6
127976	4.7
127993	5.6
128001	5.4

SAO	Mag.
120499	5.8
120601	5
120642	5.5
120648	3.8
120758	5.7
120798	5.9
120809	4.6
120916	5.4
120920	5.6
120946	5.2
120955	5.5
121020	5.1
128513	4
128547	5.8
128572	4.7
128621	6
128655	5.4
128660	5.8
128694	3.8
128791	6
128839	5.2
128843	5.9
129009	4.9
129032	6
129094	5.7
129193	5.2
129196	5.8
129204	5.5
129235	6
129274	3.8
129277	6
129371	5.9
129465	5.3
129490	5.5
129624	5.7
129655	5.6
129665	5.9
129667	6
129739	6
129752	5.7
129798	5.7
129825	2
129858	5.6
129959	5.5

SAO	Mag.
122526	5.8
122646	6
122671	2.9
122754	3.7
122880	5.8
122935	5.7
123005	4.8
123013	4
123035	4.4
123107	4.1
123140	4.7
123142	3.7
123187	5.7
130355	5.1
130387	4.9
130388	6
130408	5.6
130528	4.8
130564	3.8
130628	5.9
130634	6
130652	5.5
130686	3.7
130698	5.1
130704	5.8
130789	5.5
130806	5
130860	6
130878	5.3
130893	5.4
131001	5.6
131005	5.9
131019	4.1
131063	4.5
131132	5.7
131176	5.2
131270	5
131279	5.9
131309	5.7
131315	5.5
131316	5.5
131346	4.1
131358	5.3
131451	5.9

SAO	Mag.
125219	5.6
125221	6
125235	3.9
125403	5.6
125747	5.4
126059	5.2
126062	5.4
126222	5.6
126428	5.3
126447	6
126518	5.9
126535	6
126593	4.8
131952	3.7
132024	5.6
132028	4.6
132053	5.8
132057	5.6
132067	4.2
132070	5.1
132071	3.4
132176	5
132210	6
132220	2.5
132222	4.6
132234	5.3
132255	5.3
132298	5.6
132301	4.7
132314	5.4
132320	4.6
132321	5.2
132323	2.9
132336	5.3
132346	1.8
132359	5.6
132375	5.8
132405	5.9
132406	3.8
132411	4.9
132424	6
132444	2
132445	5
132477	6

SAO	Mag.
128007	5.3
128022	5.1
128085	3.9
128126	5.2
128186	4.9
128196	4.5
128281	5.6
128310	4.3
128335	5.9
128336	4.6
128374	5.3
128401	5.8
128427	5.9
133012	4.1
133027	6
133028	5.7
133029	6
133091	5.7
133114	5.1
133118	5.2
133182	6
133229	5.9
133260	5.7
133269	5.8
133290	5
133316	4.7
133317	4.6
133369	5.6
133382	5.6
133404	5
133469	5.5
133585	5.3
133679	5.3
133687	5.7
133718	5.6
133760	5.8
133870	5.3
133890	6
134036	5.8
134076	5.4
134106	4.9
134133	5.9
134282	5
134316	5.4

SAO	Mag.
129984	5.8
130004	5.7
130026	5.8
130047	5.9
130055	5.7
130197	4
130199	5.3
130215	5.2
130228	5.5
130243	5.9
130254	5.5
130269	5.4
130284	5.6
135505	5.9
135551	4.4
135611	5.4
135877	5.7
135882	6
135896	4
135916	5.4
135965	6
136044	5.6
136076	5.6
136221	4.7
136254	5.8
136276	5.2
136308	5.2
136345	5.6
136389	6
136511	5.8
136604	5.5
136622	5.7
136662	6
136725	5.4
136728	5.5
136768	5
136832	5.8
136871	2.2
136872	5.4
136895	4.8
136899	6
136932	4.5
136964	5.7
137035	4.1

SAO	Mag.
131468	4.2
131504	6
131568	4.5
131614	5.5
131700	4.8
131742	6
131777	5.2
131794	2.9
131806	5.7
131813	5.2
131824	4.3
131852	5.9
131873	6
131907	0.3
138238	5.1
138296	4.8
138298	4.5
138445	5.8
138710	5.9
138721	4
138798	6
138845	5.4
138873	5.9
138892	4.8
138917	2.9
139033	4.9
139086	5.9
139175	5.7
139189	4.5
139308	5.9
139324	5.8
139337	6
139390	4.8
139401	5.4
139403	6
139420	3.4
139428	5.8
139490	5.2
139613	5.3
139736	5.5
139798	5.8
139824	4.2
139830	6
139866	5.2

SAO	Mag.
132542	2.2
132554	6
132591	5.3
132603	6
132652	6
132715	5.1
132732	4.7
132793	5.1
132841	5.4
132924	6
132941	6
132944	5.1
132994	5.9
133003	5.8
140775	5.6
140787	3.6
140801	5.2
140897	5.5
141001	5.4
141022	4.9
141024	5.5
141052	3
141066	5.6
141086	3.3
141186	5.5
141187	4.7
141269	5.9
141284	6
141431	5.4
141483	5
141513	5.6
141528	6
141586	4.8
141665	4.6
141702	5.3
141730	5.7
141772	4.6
141979	5.6
142004	3.5
142012	6
142025	4.6
142050	4.9
142083	5.8
142085	5.9

SAO	Mag.
134330	4.1
134588	5.8
134740	5.8
134742	6
134775	5.6
134806	6
134899	5.2
134969	6
134986	4.1
135079	5.7
135158	5.8
135205	5.8
135345	5.1
135380	4.9
142959	5.5
142996	5.5
143021	3.5
143134	5.4
143286	5.1
143292	5.5
143324	6
143482	5.2
143597	4.3
143600	5
143621	5.5
143678	5.5
143883	5.6
143894	6
143898	5.8
144045	5.8
144095	6
144150	3.4
144181	5.6
144468	6
144495	5.1
144624	5.2
144649	4.5
144810	3.8
144814	4.6
144877	6
144889	5.5
144895	4.8
144968	5.7
145065	5.9

SAO	Mag.
137183	6
137199	5.2
137366	4.5
137395	5.8
137469	5.4
137557	5.9
137600	5.2
137608	5
137815	6
137823	5.8
137871	5.7
137947	5
138102	4.6
138106	6
146023	5.4
146044	4
146067	5.9
146107	4.6
146108	4.4
146160	5.9
146181	4.1
146210	5.3
146362	3.8
146388	5.9
146498	5.6
146585	4.4
146593	5.5
146598	4.5
146612	5.1
146620	4.6
146635	5.2
146639	5.7
146780	6
146915	5.6
146953	6
146973	6
147008	5.1
147041	5.1
147042	4.7
147059	4.6
147064	5.8
147066	5.2
147127	5.9
147133	5

SAO	Mag.
139951	5
139957	5.7
140090	4
140176	5
140240	4.6
140256	6
140270	5.4
140276	5.7
140430	2.7
140444	6
140474	5.6
140596	5.8
140609	4.8
140614	5.1
140740	5.4
147901	5.5
147962	5.8
147986	3.6
148036	4.8
148059	3.9
148078	5.7
148170	5.9
148354	5.6
148356	6
148385	4.9
148386	5.8
148445	4.8
148528	5
148550	6
148575	4.4
148584	4.6
148721	6
148897	5.8
148972	5.9
148985	5.6
149057	5.7
149063	5.3
149132	5.7
149158	4.6
149251	5.9
149283	3.2
149299	5.9
149351	5.7
149412	5.5

SAO	Mag.
142241	3.4
142267	4.8
142348	5.4
142372	5.8
142408	4.1
142444	5.8
142515	4.7
142546	5.1
142606	5.7
142618	4.5
142620	4.5
142692	5.9
142706	6
142838	5
142931	4.1
150064	4.9
150206	5.9
150223	4.5
150237	3.3
150239	4.5
150304	5.7
150326	5.9
150340	4.3
150345	5.3
150396	5.2
150416	5.7
150420	5.9
150442	5.8
150547	2.7
150617	6
150739	5.8
150801	3.7
150814	6
150845	5.6
150932	5.8
150957	3.8
151037	5
151093	5
151098	5.8
151110	4.7
151142	5.5
151178	5.7
151283	5
151294	5.9

SAO	Mag.
145278	5.7
145317	6
145382	5.8
145384	5.7
145457	3.1
145510	5.9
145537	4.8
145637	5.3
145731	5.9
145836	5.6
145837	4.7
145853	5.2
145862	3.2
145991	4.3
145993	5.8
151919	5.2
151962	5.3
151992	5.9
152055	5.6
152071	4.3
152123	5.2
152126	4.4
152303	4.1
152394	5.3
152477	6
152570	6
152598	6
152641	5.4
152724	5.4
152749	5.7
152776	4.9
152834	5.2
152840	5.8
152894	5.7
152909	5.9
152941	6
152943	5.9
153062	5.8
153072	5.1
153118	5.6
153149	5.7
153227	5.1
153372	5.1
153414	5.5

SAO	Mag.
147144	5.5
147169	4.7
147420	2.2
147423	4.9
147451	5.9
147464	5.8
147470	5.2
147519	5.5
147546	5.8
147606	5.6
147622	5.9
147632	3.6
147803	5.2
147812	5.7
147886	5.6
154552	5
154622	4.4
154745	5.9
154804	5.9
154950	5.7
154953	5.8
154989	5.8
155060	6
155091	5.9
155096	4.9
155273	5.7
155388	5
155542	4.3
155588	5.2
155704	5.8
155713	4.7
155739	5.9
155780	5.4
155785	3.8
155980	4.1
156029	5.5
156095	5.9
156110	4.8
156122	5.1
156124	5.9
156221	5.6
156256	3.3
156301	5.3
156310	5.8

SAO	Mag.
149478	5.1
149674	5.5
149781	4
149789	5
149797	5.6
149818	4.5
149856	5.7
149888	5.6
149901	6
149924	5.2
149985	5.8
149988	5.8
150029	5.9
150052	5.5
150058	6
150060	5.7
157226	5.4
157272	6
157323	3.1
157345	4.4
157350	5.7
157361	5.8
157448	6
157451	6
157584	6
157739	5.3
157788	5.1
157806	5.6
157823	5.3
157844	4.8
157899	5.5
157923	1.2
157938	5.6
157946	4.9
157987	5.9
157998	5.6
158021	5.8
158131	5.7
158152	5.8
158165	5.8
158186	5.1
158401	5.1
158427	4.3
158448	5.6

SAO	Mag.
151322	5.3
151334	5.3
151401	5.5
151428	2
151458	5.4
151461	6
151546	5.9
151602	5.3
151694	5.8
151702	4.1
151730	4.6
151737	5.9
151751	5
151881	-1.6
151895	5.3
151911	5.5
159370	4
159411	5.5
159442	5
159466	5.5
159563	4.3
159572	5.9
159607	4.7
159625	5.5
159665	4.2
159682	2.9
159683	5.1
159715	5.6
159764	4.3
159793	5.5
159892	4.6
159918	4.9
159948	5.8
159963	4.4
160006	2.7
160046	5
160052	5.6
160118	4.7
160299	6
160324	5.6
160332	2.6
160462	6
160479	4.4
160653	5.7

SAO	Mag.
153454	5.5
153500	5.3
153520	5.7
153687	4.6
153890	4.3
153898	5.5
153924	5.6
153942	4.7
153993	5
154093	6
154150	5.6
154159	5.9
154244	5.9
154257	5.7
154359	5.4
154515	5.1
161605	5.7
161632	5.3
161817	5.8
161964	5
161984	5.6
162052	5.4
162130	6
162177	5.9
162201	5.9
162229	5.4
162326	5.6
162413	5
162512	4
162518	4.6
162521	6
162595	5.8
162609	5.7
162792	5.2
162816	5.9
162827	5.6
162883	5.5
162915	5.1
162931	5.5
162964	5.1
163036	5.5
163060	6
163141	5
163168	5.9

SAO	Mag.
156375	4.2
156421	5.6
156605	3.8
156646	5.1
156658	5.1
156661	4.1
156685	6
156750	6
156802	5.6
156869	4.9
156988	5.2
157041	5.6
157042	5.3
157176	2.8
157184	6
157211	5.9
164132	4.2
164156	6
164182	4.5
164263	5.5
164286	5.4
164346	4.3
164364	5.5
164520	4.7
164560	3.8
164580	5.3
164593	4.8
164600	6
164612	5.9
164639	5.4
164644	3
164713	5.2
164861	4.4
164888	5.7
164910	5.4
164974	5.5
165044	5.9
165134	4.9
165252	4.9
165293	5.4
165298	5.7
165321	4.2
165359	5.9
165375	3.5

SAO	Mag.
158481	5.7
158489	4.6
158821	5.4
158836	5.3
158840	2.9
158887	5.8
158915	5.6
158946	6
159028	5.3
159090	4.7
159105	6
159227	5.8
159234	5.1
159280	5.9
159307	5.9
159330	5.5
159335	5.6
166083	5.5
166103	5.6
166207	5.4
166210	5.2
166282	6
166318	5.2
166367	5.6
166418	5.7
166528	5.3
166555	5.6
166585	5.5
166647	5.6
166716	4.4
167086	5.1
167093	6
167198	5.7
167275	5.4
167416	5.2
167466	5.7
167471	4.2
167532	4.7
167637	6
167736	5.4
167795	6
167882	5
168082	5.4
168094	4.8

SAO	Mag.
160700	3.6
160701	5.9
160708	5.9
160747	4.4
160915	5.9
161093	5.7
161260	6
161348	5.7
161376	5.4
161415	5.7
161493	6
161520	4.7
161528	6
161540	5.8
161564	5.2
161569	5.8
161587	5.9
169110	5.6
169206	5.8
169354	5.3
169368	5.9
169391	6
169570	4.6
169650	5.6
169727	6
169752	6
169981	5
169997	5
170010	5.8
170029	5.5
170050	5.9
170051	3.3
170238	5
170311	5.8
170327	4.7
170351	5.5
170457	3
170506	5.5
170601	6
170613	5.3
170715	5.9
170759	3.8
170836	6
170892	5.8

SAO	Mag.
163195	5.8
163337	5.9
163422	4.5
163427	3.8
163445	5.5
163468	4.8
163481	3.3
163592	5.2
163614	5
163665	5.8
163771	5.3
163779	5.3
163783	5.9
163924	6
163975	5.9
164013	6
164027	6
171982	4.5
172102	5.9
172318	6
172520	4.7
172524	6
172542	4.1
172569	5.8
172579	4.6
172588	5.3
172644	5.4
172669	5.7
172676	1.6
172763	5.8
172797	3.7
172839	3.1
173002	5.8
173047	2
173101	5.8
173122	5.5
173168	5.7
173193	5.9
173244	5.9
173264	4.7
173282	3.8
173283	5.8
173349	4.8
173360	4.8

SAO	Mag.
165376	5.7
165625	5.3
165658	5.3
165804	5.7
165818	5.2
165834	5.6
165836	5
165841	5.4
165842	4.6
165849	5.8
165854	5.3
165867	5.7
165880	5.9
165915	5.9
165918	5.3
165933	6
166066	5.9
174175	4.6
174198	4.5
174199	4.6
174356	5.8
174391	4.8
174400	4.1
174433	5.5
174533	5.8
174558	4.6
174592	5.3
174601	3.5
174679	5.8
174852	4.4
174932	5.2
175206	5.3
175217	2.9
175709	5.9
175777	5.6
175783	5.5
175792	6
176131	5.9
176189	5.2
176226	5.1
176253	5
176439	6
176546	6
176554	6

SAO	Mag.
168183	5.4
168191	6
168209	5.6
168238	5.9
168249	4.2
168373	4
168449	6
168452	5
168460	4
168462	6
168482	5.7
168544	6
168634	4.3
168820	5.9
168827	4.3
168836	5
168925	4.8
169017	4.7
178888	5.8
178938	6
178979	5.3
179041	5.1
179278	6
179514	5.1
179522	5.7
179577	5.5
179624	4.5
179935	5.7
179967	5.9
179968	5.8
180208	5.5
180288	5.5
180505	4.2
180531	3.2
180546	5.4
180602	6
180700	5.3
180747	5.8
180850	5.9
180915	2.8
180965	5.4
181063	5.7
181114	5.8
181357	5.7

SAO	Mag.
170926	3.9
171034	6
171138	5.9
171180	5.2
171222	6
171231	5.7
171236	5.5
171293	5.5
171317	5.7
171339	5.8
171356	6
171458	5.7
171502	6
171549	5.7
171688	5.7
171774	6
171866	5.8
171895	4.4
182857	5.9
182875	5.7
182882	5.4
182883	5.8
182898	5.8
182911	4.6
182983	5.4
183040	6
183058	5.7
183099	5.9
183139	3.4
183237	5.9
183285	6
183328	5.7
183346	4.4
183580	5.2
183619	3.8
183631	6
183637	5.8
183646	5.9
183649	3.8
183686	5.1
183854	4.8
183895	5.1
183896	4.7
183900	5.4

SAO	Mag.
173444	4.9
173446	4.4
173453	5.4
173522	5.8
173622	5.1
173651	2.4
173691	5.9
173697	5.9
173752	5.5
173778	5.7
173799	5.5
173864	4.8
173987	5.7
174009	4.5
174019	5.9
174020	6
174033	5.9
174058	4.5
184329	4.8
184336	3.1
184369	5.9
184381	5.9
184382	5.2
184415	1.1
184429	4.9
184450	4.6
184481	2.9
184602	6
184754	5.9
184822	5.6
184892	5.9
184897	5.8
185198	5.3
185199	5.3
185238	5.4
185296	4.5
185320	3.4
185350	5.4
185367	6
185401	4.3
185412	4.4
185417	5.9
185470	4.9
185474	6

SAO	Mag.
176559	4.2
176697	4.9
177002	4.8
177322	4.9
177374	4.9
177461	6
177469	4.9
177521	6
177546	5.7
177642	5.2
177649	5.8
177748	5.9
177840	4.7
177866	5
177908	5
178158	5
178367	5.8
178644	5.6
186838	5.9
186841	2.9
186981	5.7
187071	5.8
187080	5.8
187086	5.9
187216	5.8
187239	3.3
187255	5.8
187324	5.4
187422	5.8
187426	5
187445	5
187448	2.1
187468	5.9
187498	5.1
187504	3.6
187519	6
187599	5.7
187600	2.7
187643	3.9
187683	3.4
187756	3
187835	5.9
187882	4.9
187992	5.5

SAO	Mag.
181410	5.1
181543	3.3
181695	3.5
181737	5.7
181790	5.5
181825	5.8
181931	5.8
182134	5.2
182152	5.8
182182	5.7
182244	3.5
182349	5.3
182374	6
182433	5.9
182483	4.9
182517	5.4
182570	5
182795	5.8
182855	5.2
189781	4.2
189856	5.8
189942	5.9
189986	4.9
190025	4.6
190050	5.3
190129	5.5
190173	5.4
190285	5.7
190295	5.5
190341	3.9
190349	6
190374	4.6
190461	5.8
190478	5.8
190559	5.3
190822	5.4
190864	5.8
190976	5.6
190985	5.4
190986	5.5
191083	5.4
191105	5.6
191182	6
191235	5.3

SAO	Mag.
183901	5.4
183907	6
183914	5.9
183931	5.6
183957	4
183972	5.9
183982	5.4
183987	3
184014	2.5
184068	5.1
184113	5.9
184123	4.1
184135	4.6
184144	5.6
184164	5.8
184197	5.2
184217	5.7
184221	4.7
184301	4.9
192545	5
192703	6
192870	5.6
192884	5.5
192980	5.9
193090	5.8
193163	5.8
193173	5.5
193201	5.7
193224	6
193261	5.6
193263	5.3
193455	5.4
193573	5.2
193723	5.2
193763	5.9
193795	5.8
193811	5.8
193829	5.8
193873	5.9
193931	4.5
193940	5.8
193944	5.5
193965	5.9
194312	5.7

SAO	Mag.
185660	4.9
185755	4.7
185975	5.8
186025	6
186061	4.8
186135	5.7
186163	5.5
186204	5.9
186237	4.3
186328	4.7
186437	5.1
186497	4
186509	5.7
186543	5.4
186544	6
186594	6
186612	4.7
186681	2.8
186794	5
195683	5.8
195721	4.9
195807	5.8
195887	5.5
195924	3.9
195948	5.5
195952	5.8
195986	5.7
196059	2.8
196061	5.5
196098	5.3
196149	5.2
196240	3.2
196266	5.6
196276	4.9
196309	5.6
196316	5
196330	5.5
196352	4.4
196413	5.6
196459	5.6
196483	5.9
196503	5.9
196514	5.1
196643	4.5

SAO	Mag.
188079	5.9
188101	5
188105	5.6
188121	5.6
188127	5.7
188192	5.5
188219	6
188326	5.7
188337	4.7
188722	4.8
188742	4.6
188778	5
188844	4.6
189065	5.7
189114	6
189264	6
189664	4.3
189667	5.9
189733	5.8
197171	5.9
197177	6
197215	5.3
197258	3.8
197263	5.6
197277	5.1
197291	6
197427	5.1
197632	4.9
197694	6
197756	5.3
197785	5.8
197790	5
197795	2.7
197824	4.7
197836	5.2
197837	5.1
197925	5.4
197938	5.5
197964	5.4
198000	6
198042	5.8
198045	5.4
198064	4.8
198130	5.5

SAO	Mag.
191246	6
191318	4.2
191444	6
191524	1.3
191550	5.5
191554	5.9
191581	5.7
191651	4.8
191674	5.9
191683	3.8
191687	4.9
191840	5.8
191858	4.2
191900	4.5
191988	4.8
192167	4.6
192294	5.7
192367	5.7
192388	5.2
192430	5.7
198668	5.2
198714	5.9
198743	5.8
198752	2.3
198764	5.4
198791	6
198908	4.4
198957	4.8
198969	5.1
198970	6
198979	5.8
199061	5.7
199070	4.4
199118	4.9
199119	5.2
199260	5.8
199308	5.6
199370	6
199490	4
199546	3.7
199573	5.8
199678	5.2
199737	5.8
200047	5.6

SAO	Mag.
194467	4.9
194475	4.6
194535	5.6
194550	5.4
194551	4.9
194559	4.2
194608	5.1
194689	5.9
194902	3.6
194984	4.1
195085	5.9
195148	3.9
195239	5.1
195250	5.7
195278	6
195357	5.8
195400	6
195501	6
195509	6
195532	4.6
202149	5.8
202391	5.1
202428	5.3
202430	6
202554	5.2
202558	3.7
202622	5.9
202695	4.9
202717	5.3
202883	6
202901	4.4
203250	5.9
203420	5.4
203424	5.9
203450	5.8
203477	5.7
203508	5.6
203621	5.9
203666	6
203681	4.8
203797	6
203863	5
203907	4.3
204132	5.6

SAO	Mag.
196653	5.6
196659	6
196686	5.8
196698	3.1
196707	5.6
196735	4
196774	5.7
196857	4.5
196861	5.8
196897	5.8
196917	5.3
196919	5.7
196945	5.5
196955	5.6
196978	5.6
197011	6
197014	5.7
197019	5.3
197057	5.8
197149	5.2
205839	4.1
205871	4.1
205899	5
205937	6
206037	5.1
206079	5.9
206099	5.3
206208	6
206239	5.5
206300	6
206352	6
206445	5
206552	3.6
206580	4.7
206597	5.4
206616	4.7
206660	5.5
206763	5.9
206827	6
206843	4.6
206887	5.3
206889	4.8
206962	5.6
207040	4.1

SAO	Mag.
198195	4.6
198237	5.7
198253	4.9
198265	5.7
198268	5.8
198273	6
198298	5.5
198343	5.6
198366	5.8
198379	5.9
198398	3.7
198404	5.4
198416	5.9
198442	5.1
198487	5.7
198540	5
198545	4.5
198553	5.5
198575	5.4
198636	4.9
208232	5.5
208293	6
208324	5.1
208355	6
208377	4.9
208467	5.8
208521	5.6
208539	6
208585	5.5
208626	5.5
208670	5.9
208747	6
208860	6
208896	2.8
208954	1.7
208977	5.7
209019	4.3
209163	2.5
209172	5.6
209303	4.8
209318	3.3
209383	6
209390	5.8
209404	6

SAO	Mag.
200152	6
200159	5
200163	4.7
200185	5.4
200416	4.6
200459	6
200462	6
200561	5.6
200777	6
200889	5.9
200926	5.3
201346	5.4
201405	4.4
201442	5.6
201533	5.7
201665	5.7
201766	5.9
201805	5.7
201927	4.7
201976	5.8
202067	5.5
210518	5.5
210734	5.4
210781	4.9
210859	5.7
210883	5.5
210928	4.3
210990	4.1
211005	4.2
211175	5.6
211541	5.6
211716	4.4
211717	5.3
211719	6
211724	5.7
211767	4.8
211782	5
211885	5.3
212333	5.5
212345	5.8
212416	5.5
212472	5
212488	5.5
212499	6

SAO	Mag.
204227	4.9
204312	5.4
204371	2.9
204465	5.3
204545	4
204712	5.7
204739	5.6
204812	4.4
204835	5.2
204875	4.4
204916	4.7
204944	4.8
204955	5.6
205188	2.3
205430	6
205453	4.2
205485	5.7
205497	4.5
205637	6
205751	5.9
205823	5.8
213948	5.8
213981	5.6
214000	6
214134	5.4
214153	4.5
214189	4.3
214275	5.1
214313	5.6
214444	4.5
214615	4.5
214701	5.3
214860	6
214963	5.8
214983	3.9
215092	3.9
215093	2.4
215103	5.3
215119	5.6
215131	4.9
215157	5.5
215185	6
215194	4.6
215221	6

SAO	Mag.
207144	5.4
207145	5.7
207152	6
207208	3.6
207276	5
207297	6
207332	4.3
207341	5.8
207403	5.6
207558	5.7
207622	5.4
207637	5.4
207688	5.9
207732	4.3
207814	4.3
207930	5.9
208020	5.5
208078	2.4
208102	3.1
208116	3.6
208221	5.5
216209	5.9
216246	5.8
216263	4.3
216347	5.7
216357	6
216405	4.6
216470	5.7
216540	5.8
216546	5.6
216682	4.9
216710	3.8
216749	5.1
216850	5.2
216926	4.5
217032	6
217140	5.4
217164	4.9
217325	5.9
217340	5.9
217368	5.5
217382	5.8
217422	6
217450	5.8

SAO	Mag.
209416	5.7
209446	6
209545	5.8
209671	5.8
209696	3.1
209710	5.9
209803	5.6
209957	3.2
210048	5.1
210061	5.4
210075	5.6
210091	2
210116	5.7
210197	5.6
210257	5.4
210277	5.3
210294	6
210295	6
210312	5.4
210501	5.1
210509	4.8
218567	4.9
218570	5.8
218589	5.5
218618	6
218755	3.3
218841	5.9
218852	5.6
218923	5.2
218932	5.1
219000	5.3
219006	6
219018	4.6
219034	6
219035	4.3
219082	3.8
219106	4.8
219111	4.3
219157	6
219186	6
219189	5.4
219197	5.1
219218	5.2
219226	4.1

SAO	Mag.
212522	5.4
212636	4.7
212653	5.9
212666	5.4
212709	5.7
212716	5.3
212793	5.3
212874	4.8
212998	5.7
213078	6
213258	4.4
213292	5.1
213374	3.2
213414	5.5
213452	5.6
213543	4.6
213576	4.6
213577	5.1
213599	5.5
213602	5.1
213850	5.5
213883	4.4
220261	5.7
220265	4.1
220284	4.9
220300	5.2
220313	5.5
220361	5.2
220371	4.1
220422	4.1
220442	5.5
220464	5.8
220531	5.4
220540	5
220561	4.9
220636	5.3
220703	5.9
220717	5.2
220730	4.4
220760	5.5
220803	3.7
220878	2.2
220928	5
220937	5.9

SAO	Mag.
215232	5.8
215343	5.3
215365	3.4
215374	5.1
215428	4.9
215492	5.3
215516	3.4
215536	4
215696	4.4
215697	5
215715	4.7
215726	5.4
215739	5
215785	5.8
215831	5.9
215906	4.4
215996	4.5
215999	4.1
216112	3.4
216113	3.4
216114	4.4
216150	5.7
221970	5.6
221998	5
222081	6
222129	6
222136	5.1
222199	4.1
222321	2.8
222485	5.9
222487	4.6
222538	5.9
222581	5.3
222639	5.7
222647	5.8
222813	5.3
222856	5.7
222863	5.5
222883	5.6
222887	5.6
222895	5.4
222917	5.5
222960	5.7
223009	5.4

SAO	Mag.
217521	5.1
217648	5.7
217650	4
217706	5.8
217730	5.5
217753	5.6
217922	5.9
218071	3.2
218093	5
218235	5
218296	6
218324	4.9
218421	5.8
218424	5.3
218427	5.1
218465	5.9
218513	5.1
218514	5.1
218525	5.4
218537	4.5
218546	5
218549	3.1
223966	5.3
224000	6
224032	5.9
224080	5.8
224148	5.8
224275	6
224283	6
224317	5.6
224359	6
224469	3.5
224471	3.3
224489	5.9
224514	5.9
224538	3.1
224555	5.9
224577	4
224585	4.2
224621	4.4
224673	4.5
224791	5.8
224833	4.1
224838	5.7

SAO	Mag.
219240	6
219339	5.5
219422	5
219493	5.9
219501	4.8
219502	5.2
219504	1.9
219513	5.4
219515	5.4
219565	5.9
219569	4.9
219629	5.3
219635	4.4
219657	6
219848	4.9
219910	5.3
219982	5.9
219985	5.5
219996	5.2
220138	4.9
220204	4.1
220252	5.2
225525	4.1
225526	6
225539	4.9
225600	5.2
225638	4.4
225647	5.8
225691	3.4
225697	5.7
225703	5.1
225712	3.7
225825	5
225938	3
225950	4.8
225957	5.5
226004	4.3
226064	4.7
226254	6
226425	5.1
226466	4.7
226500	4.8
226600	5.4
226619	5

SAO	Mag.
220952	5.7
220965	5.9
220972	5.9
220978	5.1
221010	6
221014	5
221103	5.8
221109	6
221234	3.6
221262	5.4
221288	5.4
221344	4.5
221355	5.5
221484	5.7
221523	5.3
221538	6
221547	5.7
221553	4.6
221592	5.9
221773	5.2
221877	6
221895	4.1
221910	5.8
227886	5.5
227911	5.1
227971	5.8
228069	3
228162	4.6
228201	2
228220	6
228257	4.8
228420	3.1
228466	4.9
228489	6
228562	5
228578	4.9
228708	5
228777	4.6
228778	5.9
228815	5.5
228851	5.5
228854	5.5
228982	5.4
229021	5.5

SAO	Mag.
223020	5
223062	4.7
223193	5.3
223235	5.6
223241	5.9
223242	5.6
223297	5.3
223454	4.2
223471	5.9
223527	5.9
223542	5.2
223560	4
223601	5.8
223603	2.4
223614	4.6
223731	4.4
223753	6
223760	5.5
223870	5
223900	5
223905	5.7
223909	4.4
223960	5.8
229741	5.9
229746	5.9
229751	5
229887	6
229903	5.4
229927	4.2
229981	6
230177	5.6
230184	5.7
230276	5.3
230300	3.2
230379	5.1
230391	4.9
230523	5.6
230575	5.8
230644	4.9
230667	5.9
230692	5.6
230726	5.4
230737	5.7
230846	5.8

SAO	Mag.
224843	5
224919	4.6
224920	4.5
224929	5.9
224969	5.5
224972	5.5
225044	2.6
225046	5.8
225054	5.4
225062	5.4
225071	4.1
225128	2.9
225178	5.9
225248	4.5
225306	5.8
225335	2.8
225344	3.4
225426	4
225435	5.3
225456	5.8
225474	6
225479	6
225483	4.4
232091	5.5
232099	5.9
232143	5.8
232152	5.8
232162	4.5
232203	5.2
232268	6
232306	4.1
232481	0.6
232490	5.3
232501	5.6
232519	5.5
232520	5.1
232542	6
232573	3.7
232696	3.8
232717	5.6
232736	6
232835	5.3
232857	5.3
232864	5.4

SAO	Mag.
226650	5.6
226693	5.5
226696	6
226773	4.8
226813	5.5
226855	5.5
226900	5.1
226953	5.6
227049	5.6
227058	5.9
227146	5.7
227313	5.4
227359	5.7
227375	4.9
227377	5.3
227383	6
227392	5.8
227402	3.8
227425	6
227688	5.1
227699	6
227707	3.4
227816	5.6
234480	-0.9
234519	5.7
234539	5.3
234541	5.2
234551	5.6
234564	5.8
234589	4.4
234699	5.7
234705	5.3
234710	5.6
234735	2.8
234737	4.4
234854	5
234863	6
234890	5.7
234902	5.3
234940	6
235040	6
235116	5.5
235192	5.1
235239	5.9

SAO	Mag.
229023	3.8
229047	4.1
229064	5.7
229092	5
229094	5.7
229095	5.3
229111	4.7
229165	6
229172	5.4
229285	5.3
229299	5.6
229306	5.8
229307	5.6
229336	5.5
229383	5.4
229461	4.9
229513	4.7
229531	5.9
229573	6
229584	5.3
229646	4.3
229654	4.5
229659	4.1
229712	5.8
236157	5.4
236164	3.7
236165	5.7
236181	4.4
236202	5.7
236205	5
236232	2
236268	4.6
236339	5.7
236368	6
236405	5.7
236417	4.8
236436	5.3
236475	5.2
236518	5.4
236693	3.6
236723	5.6
236749	5.2
236787	4.2
236808	2.3

SAO	Mag.
230992	2.2
231055	4.9
231063	5.2
231111	5.8
231154	4
231161	4.3
231217	5.8
231258	2.2
231265	4.9
231278	5.4
231364	5.9
231419	5.8
231444	4.4
231464	5.8
231465	6
231468	4.1
231512	5.8
231532	5.9
231539	5.5
231642	5.9
231675	4.8
231707	4.9
231842	6
231895	5.7
238077	4.9
238085	4.1
238146	5.1
238222	4.5
238242	5.3
238271	5.6
238295	4.7
238309	4.4
238379	5.4
238468	5.5
238557	5.6
238574	3.9
238813	4
238877	6
238878	5.9
238986	4.3
239017	6
239074	5.9
239145	5
239146	5.3

SAO	Mag.
232981	5.2
233037	5.7
233152	5.6
233457	4.4
233463	4.4
233476	6
233564	3.5
233638	5.3
233664	5.4
233709	5.6
233822	4.8
233886	5.9
233926	5.5
233981	5.1
234134	3.9
234137	6
234154	4.4
234169	5
234181	6
234199	5.3
234251	5.8
234359	4.8
234473	5.7
234475	5.9
240385	5.6
240407	5.3
240573	6
240645	4.8
240655	6
240663	6
240666	5
240762	5.7
240883	5.3
241026	6
241047	2.6
241076	5.6
241080	5.5
241157	4.7
241177	5.5
241239	5.7
241294	5.8
241403	5.9
241496	4.8
241543	5.5

SAO	Mag.
235252	5.9
235336	4.9
235539	5.5
235552	5.8
235579	5.8
235615	5.5
235635	3.6
235638	6
235680	5.9
235686	6
235730	6
235735	5.4
235784	5.8
235819	5.4
235932	1.7
235933	5.9
235959	5.2
235962	5.2
236002	5.1
236062	5.8
236105	5.4
236106	4.8
236110	6
236151	5.6
243509	5.9
243526	5.4
243643	4.1
243654	5.9
243836	5.8
243874	6
244106	6
244122	5.9
244133	5.8
244168	3.7
244245	6
244313	5.7
244315	3.1
244331	4.1
244338	5.9
244388	5.4
244401	5.9
244539	6
244613	6
244678	5.9

SAO	Mag.
236824	5.3
236837	5.9
236887	5.7
236891	2.6
236972	5.2
237042	5.6
237056	5.8
237067	3
237107	5.2
237117	4.2
237149	5.5
237221	5.4
237224	5.8
237268	5.7
237418	5.8
237464	6
237483	5.9
237522	3.7
237640	6
237736	5.1
237804	5.5
237807	6
237916	4.6
237959	4.6
238067	5.6
246495	5.7
246574	2.1
246709	4.7
246762	5.2
246784	3.7
246820	5.9
246854	5.2
246929	5.8
246965	4.6
247244	4.6
247287	4.7
247303	5.6
247400	5.4
247441	5.4
247544	5.9
247570	4.9
247593	3.7
247680	4.2
247683	5.6

SAO	Mag.
239189	4.8
239284	6
239373	5.4
239443	5.7
239533	5.6
239687	4.8
239689	2.9
239737	4.2
239791	3.1
239838	5
239880	6
239901	5.6
239948	5
239960	5.4
239999	5.8
240019	1.6
240027	5.4
240161	5
240235	4.9
240259	1.5
240314	5.9
240347	5.9
240366	4.3
240367	5.5
240368	4.8
248545	4.3
248555	5.5
248621	4.3
248642	5.7
248644	4.9
248656	5.4
248701	5.1
248742	6
248770	5.5
248774	5.2
248804	6
248819	4.8
248825	5.8
248877	3.8
248912	6
248918	4.4
248925	4.5
248927	4.8
248969	3.4

SAO	Mag.
241563	5.2
241580	5.3
241641	4.4
241673	5.1
241686	6
241691	5.9
241781	4.6
241792	6
241793	5.9
241992	5.2
242111	5.2
242120	5.6
242287	5.6
242304	3.5
242384	4.2
242463	4.5
242793	5.5
243001	6
243022	6
243044	5.8
243279	4.9
243368	5.8
243448	6
243449	6
243454	5.1
250035	5.7
250055	5.9
250063	5.1
250069	5
250128	4.5
250131	4.8
250164	5.3
250186	5
250202	6
250226	6
250228	3.6
250235	5.6
250288	5.4
250317	6
250347	5.4
250369	6
250374	4
250417	5.8
250421	5.8

SAO	Mag.
244685	5.8
244725	2.8
244726	3.5
244734	5.2
244763	5.8
244770	6
244894	5.9
244896	5.3
244981	5.3
245065	5.9
245242	3.9
245369	5.5
245510	5.8
245772	5.3
245834	5
245899	6
245921	5.2
246055	5.2
246110	5.6
246151	5.9
246271	5.5
246293	5.5
246349	5.4
246389	5.1
246443	4.9
251090	4.5
251096	5.1
251115	5.5
251117	5.4
251120	5.1
251173	6
251269	4.8
251286	5.4
251316	4.7
251320	5.5
251383	5.7
251402	5.3
251406	5.5
251451	5.9
251472	3.3
251479	5.8
251486	5.1
251501	5.9
251505	5.3

SAO	Mag.
247711	5.3
247814	4.1
247858	5.7
247867	5.6
247874	5.5
247882	5.6
248018	5.4
248087	5.1
248103	5.4
248163	4.3
248167	5.4
248201	4.5
248202	4.5
248208	5.2
248237	5.5
248238	5.8
248276	5.6
248281	5.3
248324	5.3
248346	5.1
248381	5.8
248421	5.6
248460	4.7
248474	3
248518	5.4
248521	5.5
251996	5.9
252002	6
252016	4.7
252019	3.3
252047	6
252054	5.9
252069	5.8
252162	5.6
252196	6
252224	5
252240	4.8
252284	4.6
252293	4.5
252304	5.5
252387	5.6
252400	5.8
252481	5.7
252511	5.7

SAO	Mag.
248973	5.4
249009	5.2
249016	5.6
249029	5.8
249054	5.9
249066	4.8
249198	5.2
249225	4.8
249309	5.3
249311	3.8
249346	4.5
249368	5.1
249390	4.5
249448	5.8
249451	5
249461	5.2
249469	4.9
249532	5.6
249535	6
249550	5.4
249647	3.3
249704	5.1
249809	4
249975	5.8
249978	5.9
250019	5.6
253346	3
253349	6
253353	6
253362	5.9
253474	4
253554	4.9
253555	5.3
253582	5.1
253614	5.4
253649	6
253688	5.3
253700	1.9
253756	6
253827	5.9
253882	4.7
253903	5.9
253908	6
253945	3.8

SAO	Mag.
250422	4.2
250471	4.2
250495	1.8
250526	5.4
250529	5.9
250544	4.9
250563	5.1
250575	6
250590	6
250614	4
250653	4.7
250683	4.2
250695	3.1
250696	6
250721	5.6
250836	5.4
250840	5.4
250880	5.4
250885	3.6
250905	3.4
250940	5.3
250979	5.3
251006	3.6
251059	5.8
251078	5.2
251083	3
254862	3.6
254871	5.5
254941	5.8
254999	4.3
255003	5.3
255080	5.6
255087	5.5
255101	5.9
255193	2.9
255222	4.8
255227	5.7
255247	4.9
255395	5.6
255446	5.7
255455	6
255497	5.7
255557	5.7
255606	6

SAO	Mag.
251522	5.1
251535	4.9
251555	5.2
251575	3.8
251579	4.2
251597	4.7
251602	4.5
251604	4.9
251605	5.6
251617	5.1
251640	6
251659	5.7
251664	5.7
251705	4.5
251717	5
251720	5.4
251723	6
251742	4.3
251830	4.2
251841	4.3
251862	3.6
251866	5.3
251868	5.8
251903	5.1
251904	1.6
251974	2.9
256415	5.4
256438	3.9
256496	4.1
256497	5.4
256499	5.7
256503	4.3
256505	5.4
256524	6
256535	5.3
256543	5.6
256552	5.8
256582	4.5
256583	4.9
256599	5.5
256600	6
256623	5.5
256634	5.5
256658	5.4

SAO	Mag.
252531	4.7
252582	0.9
252678	5.9
252703	5.3
252735	5.7
252745	5.8
252767	5.8
252838	0.1
252853	3.4
252869	5.3
252894	6
252928	5.8
252965	5.4
253005	5.2
253024	6
253031	5.8
253082	6
253084	5.2
253088	4.8
253097	3.1
253101	5.5
253136	5.6
253155	6
253174	5.7
253226	4.1
253297	5.8
253342	5.2
257193	3.8
257206	5.6
257212	5
257218	6
257289	5.6
257303	6
257307	5.8
257310	6
257357	5.7
257380	4.8
257381	5.2
257407	3.9
257409	5.6
257424	4.2
257491	5.6
257569	5.7
257571	5.9

SAO	Mag.
254020	3.6
254057	5.8
254147	4.4
254157	5.5
254189	5.6
254226	4.3
254273	4.8
254353	5.8
254358	4.9
254374	5.9
254393	4.4
254413	4.2
254423	5.1
254446	5.9
254475	5.3
254515	5.6
254590	6
254627	6
254693	5.8
254702	5.7
254707	5.2
254721	6
254733	3.6
254823	4.8
254835	5
254846	5.3
254854	5.4
258515	5.4
258530	5.4
258538	5.2
258554	5.6
258592	5.5
258593	4.6
258632	5.9
258654	5.4
258674	5.6
258683	5.8
258693	5
258698	4.1
258713	5.6
258714	5.5
258717	5.9
258731	5.7
258769	5.9

SAO	Mag.
255609	5.2
255619	4.7
255631	5.6
255663	5.9
255670	2.9
255710	5
255880	6
255898	5.3
255929	4.7
255945	5.5
255962	5.7
255973	5.5
255998	5.6
256029	3.2
256116	5.9
256122	5.7
256145	5.3
256154	5.3
256201	5.1
256208	5.6
256248	5.6
256274	5.1
256331	5.9
256344	5.5
256355	5.5
256373	5.8
256374	3.9

SAO	Mag.
256710	4.1
256722	4.9
256723	4.9
256731	4.1
256742	6
256775	6
256800	5.8
256834	5.7
256857	5.7
256894	5
256899	5
256905	5.2
256924	4.4
256954	6
256955	4
256983	5.6
256992	5.8
257000	3.6
257003	6
257019	5.8
257041	5
257042	5.8
257070	6
257116	6
257119	6
257142	5.2
257163	6

SAO	Mag.
257584	5.6
257601	5.9
257620	4.1
257736	5.5
257757	4.1
257879	5.2
257890	5.8
257896	5.1
257948	3.7
257993	5.9
258020	5.6
258033	5.4
258034	6
258154	5.8
258166	6
258178	6
258179	5.7
258207	4.7
258215	5.3
258217	5.7
258271	5.9
258273	5.6
258372	5.6
258378	5.8
258395	5.9
258421	5.6
258451	5.6
258496	5.6

SAO	Mag.
258796	5.9
258799	5.2
258857	5.5
258861	5.8
258864	5.8
258914	5.5
258928	5.1
258932	5.7
258941	4.3
258946	5.5
258970	5.6
258989	5.1
258996	5.7

SAO	Mag.

SAO	Mag.

