FUSE Cycle 1 GI Target List

This Appendix contains targets planned for observation for Cycle 1 GI programs. The listing is sorted in order of increasing Right Ascension (J2000.0). The listing is based on Phase 2 proposals submitted to the FUSE Science Center at JHU.

The information listed below includes the Program Identification, target name, J2000 coordinates, total planned exposure time, V magnitude (when appropriate), and an indicator of the spectral type or general object type.

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A085	NGC40	00:13:01.10	+72:31:19.13	12.20	WC8	40000
A003	RXJ0019+22	00:19:50.0	+21:56:54	12.40	CV	40000
A083	HD2151	00:25:45.07	-77:15:15.3	2.82	G2IV	17000
A053	HS-0035+4405	00:37:52.30	+44:21:32.4	16.70	QSO	4000
A061	M31-OB78-159	00:40:28.4	+40:43:14	18.00	B0	5500
A061	M31-NGC206-231	00:40:29.8	+40:44:30	18.30	O8	10000
A061	M31-OB78-277	00:40:30.3	+40:42:33	18.00	B1	10000
A061	M31-OB78-292	00:40:30.6	+40:45:28	18.00	O	7000
A088	NGC221	00:42:41.8	+40:41:52	8.82	GAL	50000
A134	EG-AND	00:44:37.18	+40:40:45.6	7.50	WD+M2III	30000
A118	AZV18	00:47:13.10	-73:06:24.8	12.48	B3Ia	9110
A118	AZV70	00:50:18.14	-72:38:09.8	12.39	O9Ia	4000
A075	E0102-P1	01:04:01.07	-72:02:03.5		SNR	10000
A034	EGB1	01:07:17.6	+73:33:46	16.55	WD	7520
A118	AZV462	01:11:25.88	-72:31:21.0	12.54	B2Ia	4000
A013	WD0109+111	01:12:22.74	+11:23:36.23	15.40	DO	4000
A013	WD0111+002	01:13:46.61	+00:28:28.30	14.80	DO	4000
A053	HS-0119+1432	01:21:56.05	+14:48:23.7	16.10	QSO	4000
A061	M33-FUV016	01:32:37.7	+30:40:06	17.00	O	4000
A086	NGC588	01:32:45.5	+30:38:55	13.00	GAL	4000
A061	M33-OB21-108	01:33:00.8	+30:35:05	17.00	GAL	4500
A086	NGC592	01:33:12.3	+30:38:49	14.00	GAL	4000
A086	NGC595	01:33:33.6	+30:41:32	14.00	O	4500
A061	M33-FUV297	01:33:50.6	+30:39:48	19.10	O	10000
A061	M33-FUV425	01:33:52.3	+30:39:21	17.00	O	5500
A061	M33-FUV420	01:33:52.5	+30:39:40	18.80	O	10000
A061	M33-FUV350	01:33:56.0	+30:45:31	18.00	O	5500
A061	M33-OB2-4	01:33:58.7	+30:35:26	17.00	O	4500
A061	M33-FUV444	01:34:09.9	+30:39:11	17.70	O	6000

A086	NGC604	01:34:32.5	+30:47:04	13.00	GAL	4000
A063	BD+32D270	01:34:52	+32:55:54	10.29	B2V	4000
A041	HD11636	01:54:38.40	+20:48:28.8	2.64	A5V	10000
A118	BD+56D524	02:19:06.42	+57:07:33.5	9.75	B1V	11000

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A118	HD14250	02:20:15.71	+57:05:54.9	8.96	B1IV	7480
A054	HD15638	02:28:19.0	-61:18:19.4	14.80	WD	4300
A121	Mrk595	02:41:34.91	+07:11:13.96	14.69	AGN	4000
A139	NGC1068-POS-1	02:42:40.74	-00:00:47.97		AGN	6000
A139	NGC1068-POS-2	02:42:40.76	-00:00:47.48		AGN	6000
A139	NGC1068-POS-3	02:42:40.78	-00:00:46.98		AGN	14000
A139	NGC1068-POS-4	02:42:40.81	-00:00:46.48		AGN	20000
A139	NGC1068-POS-5	02:42:40.85	-00:00:45.57		AGN	21000
A139	NGC1068-POS-6	02:42:40.90	-00:00:44.32		AGN	16000
A139	NGC1068-POS-7	02:42:40.98	-00:00:42.67		AGN	30000
A002	4U0241+61	02:44:57.70	+62:28:06.5	14.00	QSO	10000
A023	NGC1140	02:54:33.58	-10:01:39.9	12.50	GAL	4000
A054	HD18131	02:54:38.8	-05:19:50.8	14.10	WD	4000
A041	HD18978	03:02:23.51	-23:37:28.0	4.09	A4IV	12000
A010	EUVE-J0317-85.5	03:17:17.74	-85:32:26	14.80	DAp	10000
A083	HD20630	03:19:21.70	+03:22:12.7	4.84	G5V	11000
A036	SBS0335-052	03:37:43.99	-05:02:39.0	16.65	GAL	25000
A088	NGC1399	03:38:29.3	-25:27:01	9.63	GAL	15000
A068	NGC1404	03:38:52.01	-35:35:34.0	9.89	GAL	5000
A120	HD23060	03:43:23.96	+34:06:58.6	7.50	B2Vp	4000
A120	HD23478	03:46:40.84	+32:17:24.2	6.60	B3IV	882
A120	HD23625	03:47:52.61	+33:36:00.0	6.50	B1.5V	4000
A120	HD24190	03:52:18.94	+34:13:19.9	7.40	B2V	4000
A106	HD24357	03:53:10.04	+17:19:37.5	5.97	F4V	4000
A106	HD25102	03:59:40.49	+10:19:49.5	6.37	F3V	4000
A106	HD26462	04:11:20.17	+05:31:24.0	5.72	F4V	4000
A106	HD26737	04:14:30.42	+22:27:06.7	7.06	F5V	4000
A054	HD27483	04:20:52.6	+13:51:52.1	14.50	WD	4000
A106	HD27534	04:21:32.26	+18:25:03.3	6.80	F6V	4000
A106	HD27731	04:23:30.39	+24:24:19.1	7.19	F5V	4000
A106	HD27808	04:24:14.57	+21:44:10.2	7.14	F7V	4000
A106	HD27848	04:24:22.27	+17:04:44.0	6.97	F6V	4000
A106	HD27901	04:24:57.12	+19:02:31.2	5.97	F4V	4000
A106	HD27991	04:25:37.34	+15:56:28.1	6.50	F7V	6000
A106	HD28033	04:26:18.49	+21:28:13.6	7.38	F8V	4000
A109	DF-TAU	04:27:02.79	+25:42:22.6	11.50	M0Ve	25000
A106	HD28205	04:27:35.89	+15:35:20.9	7.42	F8V	4000
A106	HD28237	04:27:46.07	+11:44:11.1	7.51	F8V	4000
A106	HD28406	04:29:30.27	+17:51:47.4	6.92	F6V	4000
A106	HD28483	04:30:17.96	+19:50:22.8	7.10	F5V	4000
A106	HD28568	04:30:46.73	+16:08:55.1	6.51	F2V	4000
A106	HD28608	04:30:57.12	+10:45:06.4	7.05	F7V	4000
A106	HD28677	04:31:51.72	+15:51:05.6	6.02	F4V	6000
A106	HD28911	04:33:46.59	+13:15:07.1	6.62	F5V	4000
A106	HD29225	04:36:40.72	+15:52:09.3	6.65	F5V	4000
A052	Tol0440-381	04:42:07.8	-38:01:03	16.00	GAL	28000
A151	IPM-Downwind	04:47:24	+17:10:00		IPM	5000
A106	HD30738	04:50:48.54	+16:12:37.4	7.30	F5V	4000
A106	HD30869	04:51:49.93	+13:39:18.2	6.27	F6V	4000
A049	Sk-68.03	04:52:15.56	-68:24:26.9	13.13	O9I	4000
A049	Sk-65.01	04:54:06.62	-65:35:22.5	12.50	B0-1	6000
A046	NGC1705	04:54:13.48	-53:21:39.4	12.40	GAL	18000

A049	Sk-66.18	04:55:59.88	-65:58:30.0	13.50	O6V((f))	4000
A049	Sk-67.28	04:58:39.29	-67:11:18.9	12.28	B0.7Ia	6000
A106	HD31845	04:59:44.28	+15:55:00.2	6.75	F5V	4000
A054	HD32008	04:59:50.4	-10:15:46.8	12.90	WD	4000

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A001	HE0504-2408	05:06:18.16	-24:04:01.9	15.20	DO	4000
A049	Sk-67.46	05:07:01.62	-67:37:29.6	12.34	B1	4000
A049	Sk-71.08	05:07:23.41	-71:11:54.5	13.25	O9II	3600
A003	RXJ0513-69	05:13:50.8	-69:51:47	16.70	CV	12000
A054	HD33959C	05:15:23.6	+32:41:05.1	13.90	WD	4000
A024	V1309-Ori	05:15:41.42	+01:04:40.4	15.50	CV	12000
A070	HD34078	05:16:18.15	+34:18:44.3	5.99	O9.5V	16980
A049	Sk-70.85	05:17:05.75	-70:19:23.1	12.30	B0	6000
A049	Sk-65.41	05:19:05.45	-65:40:03.5	12.82	B1	4000
A123	Br22	05:19:16.5	-69:39:20.9	12.30	WC4+O5V	64000
A049	Sk-68.75	05:23:28.52	-68:12:22.8	12.03	B0.5	4000
A075	N132D-P1	05:25:00.81	-69:38:34.1	99.00	SNR	15000
A111	Sk-67.106	05:26:15.20	-67:29:58.3	11.78		9000
A111	Sk-67.107	05:26:20.67	-67:29:55.4	12.50	B0I	9000
A049	Sk-65.63	05:28:39.50	-65:39:01.1	12.56	O9.7I	6000
A133	SK-67.166	05:31:42.42	-67:38:08.9	12.27	O4If+	120000
A044	4U0532-664	05:32:49.58	-66:22:13.5	14.00	O8IV	40000
A048	HH1F	05:36:20.23	-06:45:07.3			14000
A063	HD37525	05:39:01.40	-02:38:56.4	8.08	B5V	4000
A049	Sk-71.50	05:40:43.32	-71:28:59.3	13.44	O6.5III	6000
A063	NGC2023-POS1	05:41:39.50	-02:15:14.9		REF	1525
A063	NGC2023-POS2	05:41:44.05	-02:15:07.6		REF	7057
A065	HH2	05:42:25.49	-06:47:40.3		OTR	40000
A049	Sk-66.185	05:42:30.55	-66:18:10.7	13.11	B0Iab	6000
A024	BY-Cam	05:42:49.00	+60:51:30.9	15.50	CV	24000
A063	IC435-POS1	05:43:01.58	-02:18:28.5		REF	4468
A063	IC435-POS2	05:43:02.52	-02:18:14.4		REF	14302
A003	CAL83	05:43:33.5	-69:22:23	16.80	CV	20000
A049	Sk-68.171	05:50:22.79	-68:11:26.4	12.02	B1Ia	4000
A049	Sk-70.120	05:51:20.85	-70:17:08.7	11.59	B1Ia	4000
A049	Sk-69.305	05:54:12.75	-69:29:55.6	13.05	OB	6000
A034	RE-J0558-376	05:58:14.45	-37:34:24.8	14.37	WD	2000
A013	WD0640+015	06:43:14.43	+01:30:03.63	15.40	DO	6000
A063	HD51013	06:54:41.14	-24:15:20.4	8.81	B3V	4000
A001	HS0713+3958	07:17:02.67	+39:53:23.6	16.20	DO	8000
A002	B0736+017	07:39:18.03	+01:37:04.6	16.40	QSO	14000
A126	U-Gem	07:55:05.29	+22:00:05.7	9.10	CV	44000
A129	HD71019	08:23:25.2	-42:48:24.8	8.30	B3II-III	4000
A129	HD71336	08:25:07.0	-43:21:53.7	7.97	B3III-IV	720
A048	HH47A	08:25:50.41	-50:59:50.3		OTR	7000
A129	HD72089	08:29:06.9	-45:33:26.9	7.60	B5II-III	735
A129	HD72088	08:29:12.6	-44:53:05.8	9.07	B3III-IV	4000
A129	HD72179	08:29:37.8	-44:05:57.4	8.14	B4II-III	807
A129	HD72350	08:30:39.2	-44:44:14.0	6.30	B4IV	4000
A129	HD72537	08:31:36.6	-45:47:05.4	7.00	B3V	480
A129	HD72648	08:32:18.9	-43:55:53.0	7.61	B2Ib	4000
A053	HS-0834+1509	08:37:12.88	+14:59:17.8	16.80	QSO	4000
A129	HD74662	08:43:18.7	-48:20:43.0	8.82	B3V	4000
A041	HD76644	08:59:12.44	+48:02:30.1	3.14	A7IV	6000
A054	HD78791	09:05:08.8	-72:36:09.7	14.50	WD	4000
A002	IRAS09149-62	09:16:09.41	-62:19:29.5	13.50	QSO	10000
A121	Mrk106	09:19:55.25	+55:21:36.6	16.15	AGN	2000

A060	PG0947+396	09:50:48.37	+39:26:51.1	16.40	WD	9000
A034	PG0948+534	09:51:25.86	+53:09:30.66	15.27	QSO	4000
A034	EGB6	09:52:58.98	+13:44:33.65	16.00	WD	7800
A060	PG1001+054	10:04:20.13	+05:13:00.3	16.10	QSO	16000

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A035	PG-1004+130	10:07:26.10	+12:48:55.9	15.20	QSO	87000
A022	BD+20D2465	10:19:36.4	+19:52:11	9.43	M3Ve	100000
A121	HARO2	10:32:31.83	+54:24:03.41	13.20	AGN	42000
A099	KUV-1031+398	10:34:38.61	+39:38:28.4	15.60	AGN	50000
A118	HD91824	10:34:46.59	-58:09:22.9	8.16	O6	4000
A046	NGC3310	10:38:45.69	+53:30:06.0	10.80	GAL	26000
A120	HD93237	10:41:51.54	-79:46:59.3	5.90	B4IVe	2000
A118	HD93028	10:43:15.40	-60:12:04.5	8.39	O8	4000
A093	NovaVel1999	10:44:49.5	-52:25:35	9.80	Nova	30000
A068	NGC3379	10:47:49.5	+12:34:56.9	9.24		5000
A094	Mrk153	10:49:05.15	+52:20:05.11	15.05	GAL	65000
A120	HD94454	10:51:30.35	-75:52:57.4	6.60	B8III	5645
A060	PG1048+342	10:51:43.86	+33:59:26.6	15.80	QSO	10000
A151	IPM-Crossflow_1	10:59:30	+00:20:00		IPM	5000
A023	NGC3504	11:03:11.21	+27:58:21.0	10.90	GAL	10865
A053	HS-1104+4259	11:07:04.75	+42:43:40.0	16.80	QSO	4000
A053	HS-1104+0452	11:07:08.43	+04:36:17.6	16.60	QSO	4000
A054	HD97277	11:11:39.5	-22:49:32.2	13.90	WD	4000
A118	HD97471	11:12:07.05	-58:48:14.3	9.30	B0V	4000
A053	HS-1110+1537	11:12:52.51	+15:21:24.0	16.80	QSO	4000
A155	HD97528(3)	11:13:12.48	-26:27:54.9	7.30	B9.5Ve	18000
A041	HD97603	11:14:06.50	+20:31:25.3	2.56	A4IV	10000
A060	PG1114+445	11:17:06.42	+44:13:34.13	16.00	QSO	13000
A060	PG1115+407	11:18:30.34	+40:25:54.8	16.00	QSO	9000
A121	ESO265-G23	11:20:47.89	-43:15:50.55	15.00	AGN	2000
A120	HD99872	11:28:18.34	-72:28:27.3	6.00	B3V	4000
A004	SY-MUS	11:32:10.11	-65:25:11.1	11.00	OTR	4000
A036	MKN1450	11:38:35.69	+57:52:26.6	15.00	-	9700
A053	HS-1140+2711	11:42:54.30	+26:54:58.3	16.70	QSO	4000
A041	HD102647	11:49:03.58	+14:34:19.4	2.14	A3V	6000
A023	NGC3991	11:57:30.8	+32:20:12.1	13.10	GAL	4000
A060	PG1202+281	12:04:42.20	+27:54:12.0	15.00	QSO	16000
A058	TON1480	12:15:09.21	+33:09:55.25	16.50	QSO	24000
A046	NGC4214	12:15:39.41	+36:19:35.1	9.80	GAL	22000
A120	HD106943	12:18:06.81	-61:28:11.7	7.50	B7IV	4000
A120	HD108002	12:24:55.98	-65:12:40.0	6.90	B2Ia	4000
A068	NGC4374	12:25:03.75	+12:53:14.2	9.11	GAL	5000
A046	NGC4449-HII	12:28:09.37	+44:05:15.8	9.60	GAL	21000
A046	NGC4449-NUC	12:28:10.81	+44:05:42.9	9.60	GAL	22000
A130	HD108662	12:28:54.72	+25:54:46.4	5.29	A0p	20000
A120	HD108610	12:28:54.80	-61:52:15.9	6.90	B3IV	4000
A120	HD108639	12:29:09.53	-60:48:17.3	7.80	B1III	4000
A068	NGC4472	12:29:46.79	+08:00:02	8.41	GAL	5000
A117	VirgoI	12:30:49.10	+12:23:31.0		CLU	1800
A117	VirgoII	12:31:07.30	+12:23:46.0		CLU	2300
A117	VirgoIII	12:31:13.40	+12:22:10.0		CLU	8000
A120	HD110020	12:39:55.84	-66:30:40.2	6.30	B8V	4000
A120	HD110434	12:42:49.49	-66:27:28.2	7.50		4000
A068	NGC4636	12:42:49.7	+02:41:18	9.49	GAL	5000
A088	NGC4649	12:43:39.6	+11:33:10	9.83	GAL	15000
A084	EX-HYA	12:52:24.47	-29:14:57.5	13.00	CV	20000
A052	Mrk54	12:56:55.9	+32:26:52	15.50	GAL	23000

A036	MKN59	12:59:00.33	+34:50:44.1	14.00	GAL	5800
A117	ComaI	12:59:49.00	+27:57:46.0		CLU	27000
A120	HD112999	13:01:34.91	-60:40:17.8	7.38		6590
A083	HD114710	13:11:52.39	+27:52:41.5	4.23	G0V	25000

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A060	PG1309+355	13:12:17.74	+35:15:20.6	15.50	QSO	10000
A053	HS-1310+4308	13:12:48.75	+42:52:36.6	16.50	QSO	4000
A118	HD114444	13:13:04.43	-75:18:49.3	10.32	B2III	4000
A120	HD114886	13:14:44.50	-63:34:51.3	7.00		4000
A120	HD115455	13:18:35.47	-62:29:27.4	7.97	O8	4772
A041	HD115892	13:20:35.82	-36:42:44.3	2.75	A2V	12000
A060	PG1322+659	13:23:49.49	+65:41:48.3	15.90	QSO	6000
A108	NGC5139-ROA5342	13:25:45.4	-47:24:02	15.89	sdO	6000
A149	NGC5189-STAR	13:33:32.9	-65:58:26.6	13.80	DO	7100
A046	M83	13:37:00.51	-29:52:00.5	7.50	GAL	25000
A046	NGC5253	13:39:55.97	-31:38:27	10.40	GAL	26000
A053	HE-1338-0724	13:41:03.48	-07:39:48.7	15.70	QSO	4000
A034	PG1342+444	13:44:27.3	+44:08:33	16.60	WD	8180
A053	HS-1345+2855	13:48:04.32	+28:40:25.3	17.20	QSO	4000
A053	HE-1347-2457	13:50:38.88	-25:12:17.0	16.50	QSO	4000
A149	NGC5315-STAR	13:53:57.09	-66:30:50.3	14.50	DO	20000
A060	PG1352+183	13:54:35.66	+18:05:17.5	15.80	QSO	11000
A086	NGC5461	14:03:41.3	+54:19:05	14.00	GAL	4500
A060	PG1411+442	14:13:48.32	+44:00:13.14	15.00	QSO	6000
A060	PG1415+451	14:17:00.84	+44:56:06.0	15.70	QSO	11000
A036	SBS1415+437	14:17:01.40	+43:30:04.7	15.50		28500
A060	PG1425+267	14:27:35.62	+26:32:15.27	15.70	QSO	13000
A060	PG1427+480	14:29:43.12	+47:47:26.2	16.30	QSO	6000
A060	PG1512+370	15:14:43.10	+36:50:50.3	16.00	QSO	6000
A108	NGC5904-ZNG1	15:18:34.07	+02:04:59.4	14.20	sdO	4000
A120	HD137595	15:28:02.32	-33:32:42.3	7.50	B3Vn	4000
A120	HD140037	15:42:40.10	-32:11:09.2	7.50	B5III	4000
A060	PG1543+489	15:45:30.33	+48:46:09.51	16.10	QSO	8000
A053	HS-1549+1919	15:51:52.44	+19:11:03.5	15.60	QSO	4000
A109	RU-LUPI	15:56:42.32	-37:49:15.3	10.50	G5Ve	25000
A120	HD144965	16:10:10.57	-40:07:44.5	7.00	B3Vne	7870
A120	HD147683	16:24:43.72	-34:53:37.5	6.90	B4V	5268
A085	NGC6210	16:44:29.5	+23:48:01	12.20	O6	6000
A004	KX-TRA	16:44:35.51	-62:37:13.4	12.10	OTR	4000
A100	ALPHA-TRA	16:48:39.89	-69:01:39.8	1.92	K3II	50000
A151	IPM-Upwind	16:50:50	-15:26:00		IPM	5000
A004	AS210	16:51:20.38	-26:00:26.5	12.50	OTR	4000
A004	HEN3-1341	17:08:36.61	-17:26:30.0	12.90	OTR	4000
A034	RE-J1738+665	17:38:02.47	+66:53:47.8	14.65	WD	4000
A026	NGC6397-ROB162	17:40:38.35	-53:38:31.6	13.20	SDO	17000
A118	HD161056	17:43:47.02	-07:04:46.1	6.30	B1.5V	4000
A155	HD173787	18:47:52.26	-20:16:27.9	6.80	B2V	14000
A108	NGC6723-III60	18:59:29.0	-36:40:49.0	15.61	sdO	4000
A134	BF-CYG	19:23:53.55	+29:40:38.91	12.00	WD+M5III	4700
A054	RE-J1925-56	19:25:58.5	-56:33:35.3	14.40	WD	4000
A023	IRAS19245-4140	19:27:58.02	-41:34:27.7	13.00	GAL	4851
A085	BD+30D3639	19:34:45.2	+30:30:59	10.20	WC9	24000
A134	V1016-CYG	19:57:04.99	+39:49:36.5	11.00	WD+M4III	12000
A149	NGC6905-STAR	20:22:22.98	+20:06:16.5	14.20	DO	8900
A118	HD197770	20:43:13.61	+57:06:50.1	6.31	B2III	4000
A004	V1329CYG	20:51:01.27	+35:34:53.3	12.90	OTR	4000
A066	CYGLP-N4	20:54:36.39	+32:17:39.0		SNR	16000

A066	CYGLP-N3	20:54:36.67	+32:17:42.6		SNR	16000
A066	CYGLP-N2	20:54:36.95	+32:17:46.1		SNR	16000
A066	CYGLP-N1	20:54:37.45	+32:17:49.6		SNR	16000
A004	CD-42D14304	21:00:06.34	-42:38:44.6	11.50	OTR	4000

PgmID	Target Name	RA (J2000)	DEC	V	Object Type	Exposure (sec)
A051	HD200775	21:01:36.76	+68:09:48.1	7.42	B2Ve	19000
A121	1H2107-097	21:09:09.96	-09:40:15	14.39	AGN	4000
A041	HD203280	21:18:34.77	+62:35:08.1	2.44	A7V	50000
A054	HD204188	21:26:26.6	+19:22:32.2	14.40	WD	4000
A118	HD239683	21:29:53.41	+57:48:57.2	9.32	B3IV	8200
A118	HD239729	21:39:27.36	+57:29:01.5	8.35	B0V	8200
A126	SS-Cyg	21:42:42.66	+43:35:09.5	8.20	CV	30000
A002	B2145+067	21:48:05.46	+06:57:38.6	16.40	QSO	16000
A053	HE-2156-4020	21:59:54.72	-40:05:50.2	16.10	QSO	4000
A002	B2200+420	22:02:43.29	+42:16:40.0	14.50	QSO	10000
A034	WD2218+706	22:19:33.79	+70:56:03.99	15.40	WD	4400
A053	HE-2217-2818	22:20:06.75	-28:03:23.3	15.70	QSO	4000
A051	HD216532	22:52:30.41	+62:26:26.3	8.01	O8V	21000
A051	HD216898	22:55:42.31	+62:18:22.7	8.02	O8.5V	19000
A051	HD217035AB	22:56:30.85	+62:52:07.3	7.74	B0V	7000
A151	IPM-Crossflow_2	22:59:30	-00:20:00		IPM	5000
A054	HD217411	23:00:35.6	-07:04:10.2	14.70	WD	4000
A023	NGC7673	23:27:41.59	+23:35:30.70	12.80	GAL	8734
A086	NGC7714	23:36:14.0	+02:09:19	13.80	GAL	4000
A023	NGC7714	23:36:14.10	+02:09:18.6	12.50	GAL	6248
A053	HS-2337+1845	23:39:44.76	+19:01:51.3	16.70	QSO	4000
A054	HD223816	23:53:04.4	-70:23:28.4	14.20	WD	4000
A153	TOO-COMET1	99:99:99	-99:99:99	9.00	SOL	60000
A019	TITAN	99:99:99.99	-99:99:99.9	7.70	SOL	45000
A090	Mars	99:99:99.99	-99:99:99.9	0.30	SOL	18000
A107	MOON	99:99:99.99	-99:99:99.9		SOL	12000
A093	GenericLMCNova-TO	99:99:99.99	-99:99:99.9	11.00	Nova	10000
A152	SN2000XX-TOO	99:99:99.99	-99:99:99.9	12.00	SN	47000