

# The Herschel 400 Program Observing List in Tirion Chart Number Order.

## Tirion Chart 1

NGC	Her	n	RA	Dec	Tp	Con	Mag.
40	58	4 00	10.2	+72 15	PN	Cep	10.2
129	79	8 00	27.0	+59 57	OC	Cas	10.0
136	35	6 00	28.7	+61 15	OC	Cas	11.3
225	78	8 00	40.5	+61 31	OC	Cas	9.1
381	64	8 01	05.2	+61 18	OC	Cas	9.2
436	64	8 01	12.4	+58 33	OC	Cas	8.8
457	42	7 01	15.9	+58 04	OC	Cas	7.5
559	48	7 01	26.1	+63 02	OC	Cas	7.5
637	49	7 01	38.3	+63 47	OC	Cas	7.5
651	191	1 01	38.8	+51 19	PN	Per	11.0
654	46	7 01	40.5	+61 39	OC	Cas	9.1
659	65	8 01	40.8	+60 28	OC	Cas	9.8
663	31	6 01	42.6	+61 01	OC	Cas	7.1
869	33	6 02	15.5	+56 55	OC	Per	4.4
884	34	6 02	18.9	+56 53	OC	Per	4.7
1027	66	8 02	38.8	+61 20	OC	Cas	7.5
1444	80	8 03	45.6	+52 31	OC	Per	6.4
1501	53	4 04	02.6	+60 47	PN	Cam	13.3
1502	47	7 04	03.0	+62 11	OC	Cam	5.3
1528	61	7 04	11.4	+51 07	OC	Per	6.2
1545	85	8 04	17.1	+50 08	OC	Per	8.0
1961	747	3 05	36.8	+69 24	GX	Cam	11.7

2403	44	5	07	36.8	+65	37	GX	Cam	9.5
2681	242	1	03	50.0	+51	31	GX	UMa	10.4

### Tirion Chart 2

NGC	Her	n	RA	Dec	Tp	Con	Mag.
2655	288	1	08	49.4	+78	25	GX Cam 10.7
2742	249	1	09	03.7	+60	41	GX UMa 11.2
2768	250	1	09	07.8	+60	16	GX UMa 10.5
2787	216	1	09	14.9	+69	25	GX UMa 10.9
2841	205	1	09	18.6	+51	12	GX UMa 9.3
2950	68	4	09	39.1	+59	05	GX UMa 10.9
2976	285	1	09	43.2	+68	08	GX UMa 11.4
2985	78	1	09	46.0	+72	31	GX UMa 10.6
3034	79	4	09	51.9	+69	56	GX UMa 8.8
3077	286	1	09	59.4	+68	58	GX UMa 10.9
3079	47	5	09	58.6	+55	57	GX UMa 11.2
3147	79	1	10	12.8	+73	39	GX Dra 10.9
3310	60	4	10	35.7	+53	46	GX UMa 10.1
3556	46	5	11	08.7	+55	57	GX UMa 11.0
3610	270	1	11	15.6	+59	04	GX UMa 11.2
3613	271	1	11	15.6	+58	17	GX UMa 11.2
3619	244	1	11	16.5	+58	02	GX UMa 11.7
3631	226	1	11	18.3	+53	28	GX UMa 11.2
3729	222	1	11	31.0	+53	24	GX UMa 11.7
3898	228	1	11	46.7	+56	22	GX Leo 11.5
3945	251	1	11	50.6	+60	57	GX UMa 10.8
3953	45	5	11	51.2	+52	37	GX UMa 10.7
3982	62	4	11	53.9	+55	24	GX UMa 11.3
3992	61	4	11	55.0	+53	39	GX UMa 10.8

3998	229	1	11	55.3	+55	44	GX	UMa	11.3
4026	223	1	11	56.9	+51	14	GX	UMa	10.7
4036	253	1	11	58.9	+62	10	GX	UMa	10.7
4041	252	1	11	59.7	+62	25	GX	UMa	11.0
4085	224	1	12	02.8	+50	38	GX	UMa	11.8
4088	206	1	12	03.0	+50	49	GX	UMa	10.9
4102	225	1	12	03.8	+52	59	GX	UMa	11.8
5322	256	1	13	47.6	+60	26	GX	UMa	10.0
5473	231	1	14	03.0	+55	08	GX	UMa	11.4
5474	214	1	14	03.2	+53	54	GX	UMa	11.4
5631	236	1	14	25.1	+56	48	GX	UMa	11.4
5866	215	1	15	05.1	+55	57	GX	Dra	10.8
5907	759	2	15	14.6	+56	31	GX	Dra	11.3
5982	764	2	15	37.6	+59	32	GX	Dra	10.9

### Tirion Chart 3

NGC	Her	n	RA	Dec	Tp	Con	Mag.
7008	192	1	20	59.1	+54	21	PN Cyg 13.5
7086	32	6	21	29.8	+51	22	OC Cyg 9.4
7128	40	7	21	42.4	+53	29	OC Cyg 11.2
7142	66	7	21	44.7	+65	34	OC Cep 10.4
7160	67	8	21	52.3	+62	22	OC Cep 6.6
7296	41	7	22	26.2	+52	02	OC Lac 9.4
7380	77	8	22	44.9	+57	49	OC Cep 8.8
7510	44	7	23	09.2	+60	18	OC Cep 8.8
7789	30	6	23	54.5	+56	26	OC Cas 9.6
7790	56	7	23	54.5	+60	56	OC Cas 7.1
6217	280	1	16	34.8	+78	18	GX UMi 11.5
6543	37	4	17	58.8	+66	38	PN Dra 8.8

6826	73	4	19	43.4	+50	24	PN	Cyg	8.8
6939	42	6	20	30.4	+60	28	OC	Cep	10.0
6946	76	4	20	33.9	+59	58	GX	Cep	10.5

#### Tirion Chart 4

NGC	Her	n	RA	Dec	Tp	Con	Mag.
185	707	2	00	36.1	+48	04	GX Cas 11.7
205	18	5	00	37.6	+41	25	GX And 9.4
278	159	1	00	49.2	+47	18	GX Cas 11.3
404	224	2	01	06.6	+35	27	GX And 10.7
598	17	5	01	31.1	+30	24	GX Tri 6.7
752	32	7	01	54.7	+37	25	OC And 7.0
891	19	5	02	19.3	+42	07	GX And 11.5
1023	156	1	02	37.2	+38	52	GX Per 10.5
1245	25	6	03	11.2	+47	03	OC Per 6.9
1342	88	8	03	28.4	+37	09	OC Per 7.1

#### Tirion Chart 5

NGC	Her	n	RA	Dec	Tp	Con	Mag.
1513	60	7	04	06.2	+49	23	OC Per 8.8
1664	59	8	04	47.4	+43	37	OC Aur 7.5
1857	33	7	05	16.6	+39	18	OC Aur 8.5
1907	39	7	05	24.7	+35	17	OC Aur 9.9
1931	261	1	05	28.1	+34	13	EN Aur 9.5
2126	68	8	05	58.1	+49	55	OC Aur 10.0
2129	26	8	05	58.1	+23	18	OC Gem 7.2
2158	17	6	06	04.3	+24	06	OC Gem 11.0
2266	21	6	06	40.5	+27	02	OC Gem 9.8
2281	71	8	06	45.8	+41	07	OC Aur 6.9

2371	316	2	07	22.4	+29	35	PN	Gem	11.0
2372	317	2	07	22.4	+29	35	PN	Gem	11.0
2392	45	4	07	26.2	+21	01	PN	Gem	9.5
2419	218	1	07	34.8	+39	00	GC	Lyn	11.5
2420	1	6	07	35.4	+21	41	OC	Gem	10.2

### Tirion Chart 6

NGC	Her	n	RA	Dec	TP	Con	Mag.
2683	200	1	08	49.6	+33	38	GX Lyn 9.6
2782	167	1	09	10.9	+40	19	GX Lyn 11.7
2859	137	1	09	21.3	+34	44	GX LMi 10.7
2903	56	1	09	29.3	+21	44	GX Leo 9.1
2964	114	1	09	40.0	+32	05	GX Leo 11.0
3184	168	1	10	15.2	+41	40	GX UMa 9.6
3190	44	2	10	15.4	+22	05	GX Leo 11.3
3193	45	2	10	15.7	+22	09	GX Leo 11.5
3198	199	1	10	16.7	+45	49	GX UMa 11.0
3226	28	2	10	20.7	+20	09	GX Leo 11.5
3227	29	2	10	20.7	+20	07	GX Leo 11.4
3245	86	1	10	24.5	+28	46	GX LMi 11.2
3277	359	2	10	30.2	+28	46	GX LMi 12.0
3294	164	1	10	33.4	+37	35	GX LMi 11.4
3344	81	1	10	40.7	+25	11	GX LMi 11.0
3395	116	1	10	47.1	+33	15	GX Leo 12.0
3414	362	2	10	48.6	+28	15	GX LMi 11.0
3432	172	1	10	49.7	+36	54	GX LMi 11.4
3486	87	1	10	57.8	+29	15	GX LMi 11.0
3504	88	1	11	00.5	+28	15	GX LMi 10.9
3665	219	1	11	22.1	+39	02	GX UMa 11.4

3675	194	1	11	23.5	+43	52	GX	UMa	11.5
3726	730	2	11	30.7	+47	19	GX	UMa	10.8
3813	94	1	11	38.7	+36	49	GX	UMa	11.7
3877	201	1	11	43.5	+47	46	GX	UMa	10.9
3893	738	2	11	46.1	+49	00	GX	UMa	11.3
3900	82	1	11	46.6	+27	17	GX	Leo	11.5
3912	342	2	11	47.5	+26	46	GX	Leo	11.5
3938	203	1	11	50.2	+44	24	GX	UMa	11.5
3941	173	1	11	50.3	+37	16	GX	UMa	9.8
3949	202	1	11	51.1	+48	08	GX	UMa	11.0

#### Tirion Chart 7

NGC	Her	n	RA	Dec	Tp	Con	Mag.
4051	56	4	12	00.6	+44	48	GX UMa 11.0
4111	195	1	12	04.5	+43	21	GX UMa 9.7
4143	54	4	12	07.1	+42	49	GX CVn 11.0
4150	73	1	12	08.0	+30	41	GX Com 11.6
4151	165	1	12	08.0	+39	41	GX CVn 11.6
4203	175	1	12	12.5	+33	29	GX Com 11.0
4214	95	1	12	30.1	+36	36	GX CVn 10.3
4245	74	1	12	15.2	+29	53	GX Com 11.1
4251	89	1	12	15.7	+28	27	GX Com 10.2
4258	43	4	12	16.5	+47	35	GX CVn 8.6
4274	75	1	12	17.4	+29	53	GX Com 10.8
4278	90	1	12	17.7	+29	34	GX Com 10.3
4314	76	1	12	20.0	+30	10	GX Com 10.8
4346	210	1	12	21.0	+47	16	GX CVn 11.6
4414	77	1	12	24.0	+31	30	GX Com 9.7
4448	91	1	12	25.8	+28	54	GX Com 11.4

4449	213	1	12	25.8	+44	22	GX	Vir	9.2
4485	197	1	12	28.2	+41	58	GX	CVn	11.6
4490	198	1	12	28.3	+41	55	GX	CVn	9.7
4494	83	1	12	28.9	+26	03	GX	Com	9.6
4559	92	1	12	33.5	+28	14	GX	Com	10.6
4565	24	5	12	33.9	+26	16	GX	Com	10.2
4618	178	1	12	39.2	+41	25	GX	CVn	11.7
4631	42	4	12	39.8	+32	49	GX	CVn	9.3
4656	176	1	12	41.6	+32	26	GX	CVn	11.2
4725	84	1	12	48.1	+25	46	GX	Com	8.9
4800	211	1	12	52.4	+46	48	GX	CVn	11.1
5005	96	1	13	08.5	+37	19	GX	CVn	9.8
5033	97	1	13	11.2	+36	51	GX	CVn	10.3
5195	186	1	13	27.9	+47	31	GX	CVn	8.4
5273	98	1	13	39.9	+35	55	GX	CVn	11.5
5466	9	6	14	03.2	+28	46	GC	Boo	8.5
5557	99	1	14	16.4	+36	43	GX	Boo	11.6
5676	189	1	14	31.0	+49	41	GX	Boo	11.2
5689	188	1	14	33.7	+48	57	GX	Boo	11.4

### Tirion Chart 8

NGC	Her	n	RA	Dec	Tp	Con	Mag.
6207	701	2	16	41.3	+36	56	GX Her 11.3
6229	50	4	16	45.6	+47	37	GC Her 8.7
6802	14	6	19	28.4	+20	10	OC Vul 11.0
6823	18	7	19	41.1	+23	12	OC Vul 9.8

6830	9	7	19	48.9	+22	58	OC	Vul	9.0
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6834	16	8	19	50.2	+29	17	OC	Cyg	10.3
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### Tirion Chart 9

NGC	Her	n	RA	Dec	Tp	Con	Mag.		
7000	37	5	20	57.0	+44	08	EN	Cyg	00.0
7044	24	6	21	11.1	+42	17	OC	Cyg	11.3
7062	51	7	21	21.5	+46	10	OC	Cyg	11.6
7209	53	7	22	03.2	+46	15	OC	Lac	7.6
7217	207	2	22	05.6	+31	07	GX	Peg	11.0
7243	75	8	22	13.2	+49	38	OC	Lac	7.6
7331	53	1	22	34.8	+34	10	GX	Peg	9.7
7662	18	4	23	23.5	+42	14	PN	And	9.0
7686	69	8	23	27.8	+48	51	OC	And	8.0
6866	59	7	20	02.1	+43	51	OC	Cyg	9.0
6882	22	8	20	09.6	+26	24	OC	Vul	5.5
6885	20	8	20	09.9	+26	20	OC	Vul	9.1
6910	56	8	20	21.3	+40	37	OC	Cyg	7.5
6940	8	7	20	32.5	+28	08	OC	Vul	6.5

### Tirion Chart 10

NGC	Her	n	RA	Dec	Tp	Con	Mag.		
157	3	2	00	32.3	-08	40	GX	Cet	11.2
246	25	5	00	44.6	-12	09	PN	Cet	8.5
488	252	3	01	19.1	+05	00	GX	Psc	11.1
524	151	1	01	22.1	+09	16	GX	Psc	11.1
584	100	1	01	28.8	-07	07	GX	Cet	10.8
596	4	2	01	30.3	-07	17	GX	Cet	11.5
615	282	1	01	32.6	-07	35	GX	Cet	11.6



720	105	1	01	50.6	-13	59	GX	Cet	10.5
772	112	1	01	56.6	+18	46	GX	Ari	10.9
779	101	1	01	57.2	-06	12	GX	Cet	11.3
936	23	4	02	25.1	-01	22	GX	Cet	10.7
1022	102	1	02	36.1	-06	53	GX	Cet	11.2
1052	63	1	02	38.6	-08	28	GX	Cet	11.2
1055	1	1	02	39.2	+00	16	GX	Cet	11.5
1084	64	1	02	43.5	-07	47	GX	Eri	11.0

### Tirion Chart 11

NGC	Her	n	RA	Dec	Tp	Con	Mag.
1407	107	1	03	37.9	-18	44	GX Eri 10.6
1535	26	4	04	12.1	-12	52	PN Eri 9.3
1647	8	8	04	43.2	+18	59	OC Tau 6.0
1788	32	5	05	04.5	-03	24	EN Ori 11.0
1817	4	7	05	09.2	+16	38	OC Tau 7.9
1980	31	5	05	33.0	-05	56	EN Ori 00.0
1999	33	4	05	34.1	-06	45	EN Ori 10.0
2022	34	4	05	39.4	+09	03	PN Ori 11.5
2024	28	5	05	39.4	-01	52	EN Ori 10.7
2169	24	8	06	05.7	+13	58	OC Ori 6.4
2185	20	4	06	08.7	-06	12	EN Ori 11.0
2186	25	7	06	09.4	+05	27	OC Ori 9.5
2194	5	6	06	11.0	+12	50	OC Ori 9.2
2204	13	7	06	13.5	-18	35	OC CMa 9.1
2215	20	7	06	18.4	-07	16	OC Mon 8.6
2232	25	8	06	24.1	-04	43	OC Mon 4.0
2244	2	7	06	29.7	+04	54	OC Mon 6.2

### Tirion Chart 12

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
2251	3	8	06	32.0	+03 24	OC	Mon	8.5
2264	27	5	06	38.4	+09 56	EN	Mon	4.7
2286	31	8	06	45.1	-03 07	OC	Mon	8.0
2301	27	6	06	49.2	+00 31	OC	Mon	5.8
2304	2	6	06	52.3	+18 05	OC	Gem	10.1
2311	60	8	06	52.8	-04 31	OC	Mon	9.6
2324	38	7	07	00.4	+01 08	OC	Pup	8.8
2335	32	8	07	04.2	-10 00	OC	Mon	9.1
2343	33	8	07	05.9	-10 34	OC	Mon	8.0
2353	34	8	07	12.3	-10 12	OC	Mon	5.3
2355	6	6	07	14.2	+13 52	OC	Gem	9.5
2360	12	7	07	15.4	-15 33	OC	CMa	9.4
2395	11	8	07	24.3	+13 41	OC	Gem	9.4
2422	38	8	07	34.3	-14 22	OC	Pup	4.5
2423	28	7	07	34.8	-13 45	OC	Pup	6.9
2438	38	4	07	39.6	-14 36	PN	Pup	11.3
2440	64	4	07	39.9	-18 05	PN	Pup	11.5
2479	58	7	07	54.7	-17 35	OC	Pup	9.5
2506	37	6	07	57.7	-10 29	OC	Mon	8.5
2509	1	8	07	58.5	-18 56	OC	Pup	9.3
2539	11	7	08	08.4	-12 41	OC	Pup	8.2
2548	22	6	08	11.2	-05 38	OC	Hya	5.3
2775	2	1	09	07.7	+07 15	GX	Cnc	10.7
2811	505	2	09	13.9	-16 06	GX	Hyd	11.7

### Tirion Chart 13

NGC	Her	n	RA	Dec	Tp	Con	Mag.
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2974	61	1	09	40.0	-03	29	GX	Sex	11.0
3115	163	1	10	02.8	-07	28	GX	Sex	9.3
3166	3	1	10	11.2	+03	40	GX	Sex	11.4
3169	4	1	10	11.7	+03	43	GX	Sex	11.7
3242	27	4	10	22.4	-18	23	PN	Hya	9.0
3377	99	2	10	45.1	+14	15	GX	Leo	10.5
3379	17	1	10	45.2	+12	51	GX	Leo	9.5
3384	18	1	10	45.7	+12	54	GX	Leo	10.2
3412	27	1	10	48.3	+13	41	GX	Leo	10.4
3489	101	2	10	57.7	+14	10	GX	Leo	11.5
3521	13	1	11	03.2	+00	14	GX	Leo	10.5
3593	29	1	11	12.0	+13	06	GX	Leo	11.3
3607	50	2	11	14.3	+18	20	GX	Leo	9.6
3608	51	2	11	14.4	+18	26	GX	Leo	11.1
3626	52	2	11	17.5	+18	38	GX	Leo	10.5
3628	8	5	11	17.7	+13	53	GX	Leo	10.9
3640	33	2	11	18.5	+03	31	GX	Leo	10.7
3655	5	1	11	20.3	+16	51	GX	UMa	11.3
3686	160	2	11	25.1	+17	30	GX	Leo	11.4
3810	21	1	11	38.4	+11	45	GX	Leo	10.8
3962	61	1	11	52.2	-13	42	GX	Crt	11.3
4027	296	2	11	57.0	-18	59	GX	Crv	11.5
4030	121	1	11	57.8	-00	49	GX	Vir	11.0
4038	281	4	11	59.3	-18	35	GX	Crv	11.5
4147	19	1	12	07.6	+18	49	GC	Com	9.4
4179	9	1	12	10.3	+01	35	GX	Vir	11.6
4216	35	1	12	13.4	+13	25	GX	Vir	10.4
4261	139	2	12	16.8	+06	06	GX	Vir	10.3

4273	569	2	12	17.4	+05	37	GX	Vir	11.6
4281	573	2	12	17.8	+05	40	GX	Vir	11.3
4293	5	4	12	18.7	+18	40	GX	Com	11.5
4303	139	1	12	19.4	+04	45	GX	Vir	10.1
4350	86	2	12	21.4	+16	58	GX	Com	11.0
4361	65	1	12	21.9	-18	29	PN	Crv	10.8
4365	30	1	12	22.0	+07	36	GX	Vir	11.1
4371	22	1	12	22.4	+11	59	GX	Vir	11.6
4394	55	2	12	23.4	+18	29	GX	Com	11.2
4419	113	1	12	24.4	+15	19	GX	Com	11.4
4429	65	2	12	24.9	+11	23	GX	Vir	11.2
4435	281	1	12	25.2	+13	21	GX	Vir	10.3
4438	282	1	12	25.3	+13	17	GX	Vir	10.8
4442	156	2	12	25.6	+10	05	GX	Vir	10.8
4450	90	2	12	25.9	+17	21	GX	Com	10.0
4459	161	1	12	26.5	+14	15	GX	Com	10.9
4473	114	2	12	27.3	+13	42	GX	Vir	10.1
4477	115	2	12	27.6	+13	55	GX	Vir	10.7
4478	124	2	12	27.8	+12	36	GX	Vir	10.9

#### Tirion Chart 14

NGC	Her	n	RA	Dec	Tp	Con	Mag.
4526	31	1	12	31.6	+07	58	GX Vir 10.9
4527	37	2	12	31.6	+02	56	GX Vir 11.5
4535	500	2	12	31.8	+08	28	GX Vir 11.0
4536	2	5	12	31.9	+02	28	GX Vir 10.9
4546	160	1	12	32.9	-03	31	GX Vir 10.0
4548	120	2	12	32.9	+14	46	GX Com 10.8
4550	36	1	12	32.9	+12	30	GX Vir 11.7

4570	32	1	12	34.4	+07	31	GX	Vir	10.9
4594	43	1	12	37.3	-11	21	GX	Vir	8.7
4596	24	1	12	37.4	+10	27	GX	Vir	11.4
4636	38	2	12	40.3	+02	57	GX	Vir	10.4
4643	10	1	12	40.8	+02	15	GX	Vir	10.6
4654	126	2	12	41.4	+13	23	GX	Vir	11.0
4660	71	2	12	42.0	+11	26	GX	Vir	10.9
4665	142	1	12	42.9	+03	19	GX	Vir	11.1
4666	15	1	12	42.6	-00	12	GX	Vir	11.4
4689	128	2	12	45.2	+14	01	GX	Com	11.5
4697	39	1	12	46.0	-05	32	GX	Vir	10.5
4698	8	1	12	46.8	+08	45	GX	Vir	11.3
4699	129	1	12	46.5	-08	24	GX	Vir	9.3
4753	16	1	12	49.8	-00	55	GX	Vir	10.8
4754	25	1	12	49.7	+11	35	GX	Vir	10.5
4762	75	2	12	50.4	+11	31	GX	Vir	11.0
4781	134	1	12	51.8	-10	16	GX	Vir	11.2
4845	536	2	12	55.5	+01	51	GX	Vir	11.5
4856	68	1	12	56.7	-14	46	GX	Vir	11.5
4866	162	1	12	57.0	+14	27	GX	Vir	11.4
4900	143	1	12	58.2	+02	46	GX	Vir	11.3
4958	130	1	13	03.1	-07	45	GX	Vir	10.9
4995	42	1	13	07.0	-07	34	GX	Vir	11.2
5054	513	2	13	14.3	-16	23	GX	Vir	11.5
5248	34	1	13	35.1	+09	08	GX	Boo	11.3
5363	6	1	13	53.6	+05	29	GX	Vir	10.7
5364	534	2	13	53.7	+05	15	GX	Vir	11.0
5566	144	1	14	17.8	+04	11	GX	Vir	10.4

5576	146	1	14	18.5	+03	30	GX	Vir	11.7
5634	70	1	14	27.0	-05	45	GC	Vir	10.4
5746	126	1	14	42.3	+02	10	GX	Vir	10.1
5846	128	1	15	04.0	+01	48	GX	Vir	10.5
5897	19	6	15	14.5	-20	50	GC	Lib	7.3

### Tirion Chart 15

NGC	Her	n	RA	Dec	Tp	Con	Mag.		
6118	402	2	16	19.3	-02	11	GX	Ser	11.5
6171	40	6	16	29.7	-12	57	GC	Oph	9.2
6342	149	1	17	18.2	-19	32	GC	Oph	10.0
6356	48	1	17	20.7	-17	46	GC	Oph	9.5
6426	587	2	17	42.4	+03	12	GC	Oph	11.5
6440	150	1	17	45.9	-20	21	GC	Sgr	10.4
6445	586	2	17	46.3	-20	00	PN	Sgr	11.0
6517	199	2	17	59.1	-08	57	GC	Oph	10.5
6633	72	8	18	25.1	+06	32	OC	Oph	5.5
6645	23	6	18	29.8	-16	56	OC	Sgr	8.5

### Tirion Chart 16

NGC	Her	n	RA	Dec	Tp	Con	Mag.		
7006	52	1	20	59.1	+16	00	GC	Del	10.3
7009	1	4	21	01.4	-11	34	PN	Aqr	8.4
6664	12	8	18	34.0	-08	16	OC	Sct	8.9
6712	47	1	18	50.3	-08	47	GC	Sct	10.0
6755	19	7	19	05.3	+04	09	OC	Aql	9.0
6756	62	7	19	06.2	+04	35	OC	Aql	10.7
6781	743	3	19	16.0	+06	26	PN	Aql	11.0
6818	51	4	19	41.1	-14	17	PN	Sgr	10.0

6905	16	4	20	20.2	+19	57	PN	Del	12.0
6934	103	1	20	31.7	+07	14	GC	Del	10.0

### Tirion Chart 17

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
7448	251	2	22	57.6	+15	43	GX Peg	11.2
7479	55	1	23	02.4	+12	03	GX Peg	11.6
7606	104	1	23	16.5	-08	46	GX Aqr	11.5
7723	110	1	23	36.4	-13	14	GX Aqr	11.1
7727	111	1	23	37.3	-12	34	GX Aqr	10.7
7814	240	2	0	00.7	+15	51	GX Peg	12.0

### Tirion Chart 18

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
247	20	5	00	44.6	-21	01	GX Cet	11.0
253	1	5	00	45.1	-25	34	GX Scl	8.9
288	20	6	00	50.2	-26	52	GC Scl	7.2
613	281	1	01	32.0	-29	40	GX Scl	10.2
908	153	1	02	20.8	-21	27	GX Cet	11.0

### Tirion Chart 19

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
1964	21	4	05	31.2	-21	59	GX Lep	11.6
2354	16	7	07	12.2	-25	38	OC CMa	9.0
2362	17	7	07	16.6	-24	52	OC CMa	10.5
2421	67	7	07	36.3	-20	37	OC Pup	9.0
2482	10	7	07	52.8	-24	10	OC Pup	8.7
2489	23	7	07	56.2	-29	56	OC Pup	9.4

### Tirion Chart 20

NGC	Her	n	RA	Dec	Tp	Con	Mag.
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2527	30	8	08	03.2	-28	01	OC	Pup	8.0
2567	64	7	08	16.6	-30	29	OC	Pup	8.3
2571	39	6	08	16.9	-29	35	OC	Pup	7.5
2613	266	2	08	31.1	-22	48	GX	Pyx	11.0
2627	63	7	08	35.2	-29	46	OC	Pyx	8.3
3621	241	1	11	15.9	-32	32	GX	Hya	10.5

### Tirion Chart 21

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
5694	196	2	14	36.7	-26	19	GC Hya	11.0

### Tirion Chart 22

NGC	Her	n	RA	Dec	Tp	Con	Mag.	
6144	10	6	16	24.2	-25	56	GC Sco	10.5
6235	584	2	16	50.4	-22	05	GC Oph	10.4
6284	584	2	16	50.4	-22	05	GC Oph	10.5
6287	195	2	17	02.1	-22	38	GC Oph	9.9
6293	12	6	17	07.1	-26	30	GC Oph	9.5
6304	147	1	17	11.4	-29	24	GC Oph	9.8
6316	45	1	17	13.4	-28	05	GC Oph	10.0
6355	46	1	17	20.1	-26	19	GC Oph	10.5
6369	11	4	17	26.3	-23	44	PN Oph	9.9
6401	44	1	17	35.6	-23	53	GC Oph	11.0
6451	13	6	17	47.4	-30	11	OC Sgr	8.5
6514	10	5	17	58.9	-23	02	OC Sgr	6.9
6520	7	7	18	00.3	-27	54	OC Sgr	8.1
6522	49	1	18	00.4	-30	02	GC Sgr	9.5
6528	200	2	18	01.6	-30	04	GC Sgr	10.5
6540	198	2	18	03.1	-27	50	OC Sgr	11.0



6544	197	2	18	04.3	-25	01	GC	Sgr	10.0
6553	12	4	18	06.3	-25	56	GC	Sgr	10.0
6568	30	7	18	10.1	-21	36	OC	Sgr	8.5
6569	201	2	18	10.4	-31	50	GC	Sgr	10.4
6583	31	7	18	12.8	-22	09	OC	Sgr	11.5
6624	50	1	18	20.5	-30	23	GC	Sgr	9.5
6629	204	2	18	22.7	-23	14	PN	Sgr	10.6
6638	51	1	18	27.9	-25	32	GC	Sgr	10.2
6642	205	2	18	28.8	-23	31	GC	Sgr	10.5

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## EXPLANATION OF COLUMNS

NGC - New General Catalog Number

Her - Herschel catalog number

n - Herschel classification

1. Bright nebulae
2. Faint nebulae
3. Very faint nebulae
4. Planetary nebulae
5. Very large nebulae
6. Very compressed and rich clusters of stars
7. Compressed clusters of small and large stars
8. Coarsely scattered clusters of stars

RA - Right Ascension in hours and minutes (1950.0)

Dec - Declination in degrees and minutes

Tp - Object type

EN - Emission nebula

GC - Globular Cluster

GX - Galaxy

OC - Open Cluster

PN - Planetary Nebula

Con - Constellation

Mag - Visual Magnitude

Data were taken from *Observe the Herschel Objects*, Astronomical League, 1980.

Ken Guyton

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Note: On July 11, 1998 John Sparks reported 10 objects missing from this page. Upon investigation, a few errors were discovered and corrected on that date. They are:

Chart 1: NGC 2403 not listed.

Chart 2: NGC 3077 listed as 2077.

Chart 5: NGC 2371, 2372, 2392, 2419, and 2420 not listed.

Chart 12: NGC 2395, and 2422 not listed; NGC 2423 listed as 2371.

Chart 17: NGC 7814 not listed.

Chart 22: NGC 6401 listed as 6410.

Other errors may exist in this list. Please report any that you find to the Webmaster (see below).

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Note: On January 14, 2000 Gary Freiburger reported 1 object missing from this page. Upon investigation, this object was added to the list on February 16, 2000. It is:

Chart 19: NGC 2421 not listed.