

# SkyCharts 2000

**By Ed Stewart**

These charts were prepared by visually scanning the *Sky Atlas 2000* charts and manually cataloging the NGC, IC, and M objects in two hour of RA “swaths” from +90° Dec (north) to -90° Dec. This allows an observer to use a computer controlled telescope or a scope equipped with DSCs (Digital Setting Circles) to concentrate on a small area of the sky—thus conserving time and power wasted slewing large distances to the next object. The NGC and IC catalogs are listed in increasing RA, but are unrestricted in Dec, meaning that, for example:

NGC XXX1 might be at RA 4 hrs, 0 min and Dec +88° while

NGC XXX2 might be at RA 4 hrs, 1 min and Dec -88°.

Resulting in a nearly 180° swing of the scope in Dec for consecutive NGC catalog numbers. So going through the catalogs in numerical order is not efficient use of power or time.

Also makes a very convenient method for creating an observing session by simply getting out the SkyChart(s) that are in a good part of the sky at that point in time.

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# SkyCharts 0–2 RA

NGC/IC	Chart	Object	Comments
16	1	Galaxy	
103	1	Ls Cluster	
129	1	Ls Cluster	
136	1	Ls Cluster	
133/146	1	Ls Clusters	pair very near 4th mag star
225	1	Ls Cluster	
358/381	1	Ls Cluster	within 1° of each other
436/457	1	Ls Cluster	within 1° of each other
188	1	Ls Cluster	near Polaris
559	1	Ls Cluster	
609/637	1	Ls Cluster	within 1° of each other
581-M103	1	Ls Cluster	
654	1	Ls Cluster	
663/659	1	Ls Cluster	within 1° of each other
654	1	Ls Cluster	
744	1	Ls Cluster	
16	4	Galaxy	
23	4	Galaxy	
147	4	Galaxy	
185	4	Galaxy	
278	4	Galaxy	
205-M110	4	Galaxy	Companion to 221
221-M32	4	Galaxy	Andromedia
598-M33	4	Galaxy	
650-M76	4	Planetary	
708	4	Galaxy	
753	4	Galaxy	
752	4	Ls Cluster	
227	10	Galaxy	
237	10	Galaxy	
245	10	Galaxy	
246	10	Planetary	Within 1° of 255
255	10	Galaxy	Within 1° of 246
268	10	Galaxy	
274/75	10	Galaxies	
337	10	Galaxy	
357	10	Galaxy	
584/596	10	Galaxy	1° west of 615/636
615/636	10	Galaxy	1° east of 584/596
628-M74	10	Galaxy	
772	10	Galaxy	
288	18	Glob Cluster	

# SkyCharts 2-4 RA

NGC/IC	Chart	Object	Comments
869 / 884	1	Ls Clusters	Double Cluster
i1805	1	Nebula	Surrounds Ls Cluster
i1848	1	Nebula	Surrounds Ls Cluster
i1289	1	Planetary	
1220	1	Ls Cluster	
1169	4	Galaxy	
1245	4	Ls Cluster	
891	4	Galaxy	
890	4	Galaxy	
925	4	Galaxy	
1039-M34	4	Ls Cluster	
949	4	Galaxy	
1003	4	Galaxy	
1023	4	Galaxy	
1058	4	Galaxy	
1270/1275	4	Galaxy	within 1/2° of each other
1342	4	Ls Cluster	
i348	4	Nebula	4th mag star on one end
i1499	4	Nebula	California Neb, 2° long
M45	4	Ls Cluster	Pleiades
1035 / 1042 / 1048 / 1052			
	10	Galaxies	within 1° of each other
991	10	Galaxy	
1022	10	Galaxy	
936 / 941 / 955			
	10	Galaxies	within 1° of each other
1068-M77	10	Galaxy	
1087/1090	10	Galaxies	within 1° of each other
1297/1300	18	Galaxies	within 1° of each other
1325/1332	18	Galaxies	within 1° of each other
1400/1407	18	Galaxies	within 1° of each other
1440/1452	18	Galaxies	within 1° of each other
1395/1415	18	Galaxies	within 1° of each other
1426/1439	18	Galaxies	within 1° of each other
1374 / 1379 / 1387 / 1380 / 1381 / 1389 / 1386 / 1399 / 1365 / 1404 / 1427 / 1437			
	10	Galaxies	within 1.5° of each other
1316/1317	18	Galaxies	within 1/2° of each other

# SkyCharts 4–6 RA

NGC/IC	Chart	Object	Comments
1491	1	Nebula	_____Very small
1513	1	Ls Cluster	_____small
1528	1	Ls Cluster	_____
1501	1	Planetary	_____
1569	1	Galaxy	_____
1530	1	Galaxy	_____
1961	1	Galaxy	_____
1514	5	Planetary	_____
1579	5	Nebula	_____Small
1746	5	Ls Cluster	_____
1778	5	Ls Cluster	_____Small
1893/i.410	5	Ls Cluster	_____Small w/nebula
1912-M38	5	Ls Cluster	_____within 1° of 1907
1907	5	Ls Cluster	_____Small, within 1° of M38
i.417	5	Nebula	_____1° south of M38
1960-M36	5	Ls Cluster	_____
2099-M37	5	Ls Cluster	_____
1952-M1	5	Nebula	_____Crab Nebula
i.2149	5	Planetary	_____
1507	11	Galaxy	_____
1535	11	Planetary	_____
1637	11	Galaxy	_____
1638	11	Galaxy	_____
1659	11	Galaxy	_____
1700	11	Galaxy	_____
i.418	11	Planetary	_____Small
1647	11	Ls Cluster	_____
1807-17	11	Ls Clusters	_____within 1° of each other
1999	11	Nebula	_____below Orion Nebula
1976-M42	11	Nebula	_____Great Orion Nebula
1982-M43	11	Nebula	_____above Orion Nebula
1973-75-77	11	Nebula	_____above Orion Nebula
1981	11	Ls Cluster	_____
2024	11	Nebula	_____across from Horsehead Nebula
i.434	11	Nebula	_____near Horsehead Nebula
i.423-24	11	Nebula	_____in Orions belt
i.418	11	Planetary	_____
i.426	11	Nebula	_____in Orions belt
2064-2067-2068/M78-2071	11	Nebulas	_____within 1° of each other
2112	11	Ls Cluster	_____
1518-1521	19	Galaxy	_____Within 1° of each other
1531-1532	19	Galaxy	_____Within 1/10° of each other

# SkyCharts 6–8 RA

NGC/IC	Chart	Object	Comments
2146	1	Galaxy	
2268	1	Galaxy	
2276/2300	1	Galaxy	
2314	1	Galaxy	
2336	1	Galaxy	
2347	1	Galaxy	
2366	1	Galaxy	
2403	1	Galaxy	
2441	1	Galaxy	
2460	1	Galaxy	
2168/M35/ 2158/i2157	5	Ls Clusters	
2174/5	5	Ls Cltr/Neba	
2192	5	Ls Cluster	
2266	5	Ls Cluster	
2281	5	Ls Cluster	
2304	5	Ls Cluster	
2339	5	Galaxy	
2371-2	5	Planetary	
2392	5	Planetary	
2419	5	Glob Cluster	
i444	5	?	
i443	5	Nebula	
2420	5	Ls Cluster	
2149	12	?	
2169	12	Ls Cluster	
2182/3/5	12	?	
2194	12	Ls Cluster	
2204	12	Ls Cluster	
2215	12	Ls Cluster	
2232	12	Ls Cluster	On top of a star?
2237-8-9/	12		
2244/	12	Ls Cluster	
2246	12	Nebula	Roseette Nebula
2259/	12	Ls Cluster	
2261/	12	Nebula	Hubble's Variable Nebula
2262	12	Ls Cluster	
2264	12	Ls Cluster	
2286	12	Ls Cluster	
2301	12	Ls Cluster	
2302	12	Ls Cluster	
2309	12	Ls Cluster	
2311	12	Ls Cluster	

# SkyCharts 6–8 RA

NGC/IC	Chart	Object	Comments
2323/M50	12	Ls Cluster	
2324	12	Ls Cluster	
2327/	12	Nebula	
2335	12	Ls Cluster	
2343	12	Ls Cluster	
2345	12	Ls Cluster	
2353	12	Ls Cluster	
2355	12	Ls Cluster	
2359	12	Nebula	
2360	12	Ls Cluster	
2374	12	Ls Cluster	
2395	12	Ls Cluster	
2423/M47	12	Ls Cluster	
2432	12	Ls Cluster	
2437/M46	12	Ls Cluster	_____ With 2438 Planetary
2440	12	Planetary	
2479	12	Ls Cluster	
2506	12	Ls Cluster	
2525	12	Galaxy	
2539	12	Ls Cluster	
i2165	12	Planetary	
i2177	12	Nebula	
i466	12	Nebula	
2509	19	Ls Cluster	
2179/96/2207			
	19	Galaxies	
2280	19	Galaxy	
2287/M41	19	Ls Cluster	
2298	19	Glob Cluster	
2325	19	Galaxy	
2354	19	Ls Cluster	
2447/M93	19	Ls Cluster	
2451	19	Ls Cluster	
2477	19	Ls Cluster	

# SkyCharts 8–10 RA

NGC/IC	Chart	Object	Comments
2523/2551	1	Galaxies	
2633/46	1	Galaxies	
2655/	1	Galaxy	
2715	1	Galaxy	
2732	1	Galaxy	
2748	1	Galaxy	
2787	1	Galaxy	
2976	1	Galaxy	
3031/M81	1	Galaxy	
3034/M82	1	Galaxy	
2500	6	Galaxy	
2537	6	Galaxy	
2545	6	Galaxy	
2552	6	Galaxy	
2608	6	Galaxy	
2623	6	Galaxy	
2632/M44	6	Ls Cluster	Beehive Cluster
2639	6	Galaxy	
2672	6	Galaxy	
2681/93	6	Galaxies	
2712	6	Galaxy	
2764	6	Galaxy	
2776	6	Galaxy	
2782/2844	6	Galaxies	
2793/2832	6	Galaxies	
2841	6	Galaxy	
2903	6	Galaxy	
2964/2968	6	Galaxy	
2998	6	Galaxy	
3003/3021	6	Galaxies	
2548/M48	12	Ls Cluster	
2610	12	Planetary	
2682/M67	12	Ls Cluster	
2907	12	Galaxy	
2989	12	Galaxy	
2992/3	12	Galaxy	
3052	12	Galaxy	
3055	12	Galaxy	
2527	20	Ls Cluster	
2815	20	Galaxy	
2835	20	Galaxy	
2865	20	Galaxy	
2935	20	Galaxy	

# SkyCharts 10–12 RA

NGC/IC	Chart	Object	Comments
3147	1	Galaxy	
3329	1	Galaxy	
3348	1	Galaxy	
3403	1	Galaxy	
3516	1	Galaxy	
3445/3458	2	Galaxies	
3613/3619	2	Galaxies	
3683	2	Galaxy	
3888/3898	2	Galaxies	
3894	2	Galaxy	
3162	6	Galaxy	
3185/7/90/93	6	Galaxies	
3226/3227	6	Galaxies	
3274/77	6	Galaxies	
3320	6	Galaxy	
3353	6	Galaxy	
3395/6/30	6	Galaxies	
3478	6	Galaxy	
3504/3512	6	Galaxies	
3556-M108	6	Galaxy	
3587-M97	6	Planetary	Owl Nebula
3605/7/8	6	Galaxies	
3614	6	Galaxy	
3626/3659	6	Galaxies	
3681/4/6/91	6	Galaxies	
3726/3782	6	Galaxies	
3769	6	Galaxy	
3893/3949	6	Galaxies	
3156/66/6193	6	Galaxies	
3200	13	Galaxy	
3242	13	Planetary	Ghost of Jupiter
3343	13	Galaxy	
3346	13	Galaxy	
3351-M95	13	Galaxy	
3367/3377	13	Galaxies	
3368-M96	13	Galaxy	
3379-M105/3384/3389	13	Galaxies	
3423	13	Galaxy	
3489	13	Galaxy	
3593	13	Galaxy	
3628/3623-M65/3626/M66			

# SkyCharts 10–12 RA (page2)

<b>NGC/IC</b>	<b>Chart</b>	<b>Object</b>	<b>Comments</b>
	13	Galaxies	_____
3630/3640	13	Galaxies	_____
3872	13	Galaxy	_____
3957/3981	13	Galaxies	_____
3258/3268/3271/3281	20	Galaxies	_____
3285/3309/3311/3312	20	Galaxies	_____
3347/3358	20	Galaxies	_____
3511/3513	20	Galaxies	_____
3904/3923	20	Galaxies	_____

# SkyCharts 12–14 RA

NGC/IC	Chart	Object	Comments
i3568	2	Planetary	
3972/3982/3998			
	2	Galaxies	
4133/4291/4319/4386			
	2	Galaxies	
4128/4236	2	Galaxies	
4125/4256	2	Galaxies	
4041/4036	2	Galaxies	
4088/4085	2	Galaxies	
4258/M106/4217		Galaxies	
5322/5389/5376/5430			
	2	Galaxies	
4085/4088	7	Galaxies	
4244	7	Galaxy	
4245/74/78/83			
	7	Galaxies	
4258-M106/4217/4346			
	7	Galaxies	
4485/4490	7	Galaxies	
4631/4656	7	Galaxies	
4712/25/47	7	Galaxies	
4736-M94	7	Galaxy	
4826-M64	7	Galaxy	
4868/4914	7	Galaxies	
5055-M63	7	Galaxy	
5194-M51/5198			
	7	Galaxies	Whirlpool Galaxy
5272-M3	7	Glob Cluster	
5350/3/4/71	14	Galaxies	
4192-M98	14	Galaxy	
4254-M99	14	Galaxy	
4303-M61	14	Galaxy	
4321-M100	14	Galaxy	
4361	14	Glob Cluster	
4374-M84	14	Galaxy	
4382-M85/4394			
	14	Galaxies	
4387	14	Galaxy	
4388	14	Galaxy	
4402	14	Galaxy	
4406-M86	14	Galaxy	
4413	14	Galaxy	
4425	14	Galaxy	

# SkyCharts 12-14 RA (page2)

NGC/IC	Chart	Object	Comments
4429	14	Galaxy	_____
4435	14	Galaxy	_____
4438	14	Galaxy	_____
4440	14	Galaxy	_____
4452	14	Galaxy	_____
4458	14	Galaxy	_____
4459	14	Galaxy	_____
4461	14	Galaxy	_____
4472-M49	14	Galaxy	_____
4473	14	Galaxy	_____
4474	14	Galaxy	_____
4476	14	Galaxy	_____
4477	14	Galaxy	_____
4478	14	Galaxy	_____
4479	14	Galaxy	_____
4486-M87	14	Galaxy	_____
4501-M88	14	Galaxy	_____
4503	14	Galaxy	_____
4528	14	Galaxy	_____
4548-M91	14	Galaxy	_____
4550	14	Galaxy	_____
4551	14	Galaxy	_____
4552-M89	14	Galaxy	_____
4564	14	Galaxy	_____
4567	14	Galaxy	_____
4568	14	Galaxy	_____
4569-M90	14	Galaxy	_____
4571	14	Galaxy	_____
4579-M58	14	Galaxy	_____
4606	14	Galaxy	_____
4621-M59	14	Galaxy	_____
4634	14	Galaxy	_____
4638	14	Galaxy	_____
4639	14	Galaxy	_____
4647	14	Galaxy	_____
4649-M60	14	Galaxy	_____
4654	14	Galaxy	_____
4689	14	Galaxy	_____
4694	14	Galaxy	_____
4754	14	Galaxy	_____
4742/60/81/90	14	Galaxies	_____
5024-M53	14	Glob Cluster	_____
5053	14	Glob Cluster	_____

# SkyCharts 14–16 RA

NGC/IC	Chart	Object	Comments
5430	2	Galaxy	_____
5443/5422/5475/5485	2	Galaxies	_____ 1° N M101
5457(101)	2	Galaxy	_____
5631	2	Galaxy	_____
5687	2	Galaxy	_____
5907/05/08	2	Galaxies	_____
5982/85	2	Galaxies	_____
6217	2	Galaxy	_____
5523/48	7	Galaxies	_____
5557	7	Galaxy	_____
5660/76	7	Galaxies	_____
5426/27	14	Galaxies	_____
5574/76/66	14	Galaxies	_____
5597/95	14	Galaxies	_____
5634	14	Gob Cluster	_____
5740/46	14	Galaxies	_____
5806/13/31/38/46/5054/64	14	Galaxies	_____
5908(M5)	14	Gob Cluster	_____
5897	21	Gob Cluster	_____

# SkyCharts 16–18 RA

NGC/IC	Chart	Object	Comments
6217	3	Galaxy	
6643	3	Galaxy	
6543	3	Planetary	
6052	8	Galaxy	
6058	8	Planetary	
6181	8	Galaxy	
6205-M13	8	Glob Cluster	
6207	8	Galaxy	
6229	8	Glob Cluster	
6239	8	Galaxy	
6341-M92	8	Glob Cluster	
6482	8	Galaxy	
i4592	15	Nebula	
i4593	15	Planetary	
i1257	15	Glob ?	
6106	15	Galaxy	
6171-M107		Glob Cluster	
6218-M12	15	Glob Cluster	
6254-M10	15	Glob Cluster	
6309	15	Planetary	
6333-M9	15	Glob Cluster	
6342	15	Glob Cluster	
6356	15	Glob Cluster	
6366	15	Glob Cluster	
6402-M14	15	Glob Cluster	
6426	15	Glob Cluster	
6439	15	Planetary	
6445	15	Planetary	
6494-M23	15	Ls Cluster	
i4665	15	Ls Cluster	
i4634	22	Planetary	
i4663	22	Planetary	
6026	22	Planetary	
6072	22	Planetary	
6093-M80	22	Glob Cluster	
6121-M4	22	Glob Cluster	
6124	22	Ls Cluster	
6139	22	Glob Cluster	
6144	22	Glob Cluster	
6153	22	Planetary	
6178	22	Ls Cluster	
6204	22	Ls Cluster	
6231	22	Ls Cluster	

# SkyCharts 16–18 RA (page2)

NGC/IC	Chart	Object	Comments
6250	22	Ls Cluster	
6259	22	Ls Cluster	
6268	22	Ls Cluster	
6273-M19	22	Glob Cluster	
6281	22	Ls Cluster	
6284	22	Glob Cluster	
6287	22	Glob Cluster	
6293	22	Glob Cluster	
6302	22	Planetary	Bug Nebula
6304	22	Glob Cluster	
6316	22	Glob Cluster	
6325	22	Glob Cluster	
6333-M9	22	Glob Cluster	
6337	22	Planetary	
6342	22	Glob Cluster	
6352	22	Glob Cluster	
6355	22	Glob Cluster	
6356	22	Glob Cluster	
6357	22	Nebula	
6369	22	Planetary	
6380	22	Glob Cluster	
6388	22	Glob Cluster	
6400	22	Ls Cluster	
6401	22	Glob Cluster	
6404	22	Ls Cluster	
6405-M6	22	Ls Cluster	
6416	22	Ls Cluster	
6425	22	Ls Cluster	
6440	22	Glob Cluster	
6441	22	Glob Cluster	On top of a star
6445	22	Planetary	
6453	22	Glob Cluster	
6475-M7	22	Ls Cluster	
6494-M23	22	Ls Cluster	
6496	22	Glob Cluster	

# SkyCharts 18–20 RA

NGC/IC	Chart	Object	Comments
6643	3	Galaxy	
6703	3	Galaxy	
6811	3	Ls Cluster	
6826	3	Planetary	
6720-M57	8	Planetary	
6779-M56	8	Glob Cluster	
6791	8	Ls Cluster	
6800	8	Ls Cluster	
6802	8	Ls Cluster	
6815	8	Ls Cluster	
6819	8	Ls Cluster	
6820	8	Nebula	Surrounds 6823
6823	8	Ls Cluster	
6830	8	Ls Cluster	
6834	8	Ls Cluster	Within 1° of 6842
6838-M71	8	Glob Cluster	
6853-M27	8	Planetary	Dumbbell Nebula
6842	8	Planetary	
6517	16	Glob Cluster	
6572	16	Planetary	
6539	16	Glob Cluster	
6537	16	Planetary	
6567	16	Planetary	
6572	16	Planetary	
6603-M24	16	Ls Cluster	
M25	16	Ls Cluster	
6611-M16	16	Nebula	Eagle Nebula
6618-M17	16	Nebula	Swan Nebula
6633	16	Ls Cluster	
6645	16	Ls Cluster	
i4725-M25	16	Ls Cluster	
i1287	16	Nebula	
i4756	16	Ls Cluster	
6664	16	Ls Cluster	
6682	16	Ls Cluster	
6694-M26	16	Ls Cluster	
6704	16	Ls Cluster	
6705-M11	16	Ls Cluster	
6709	16	Ls Cluster	
6712	16	Glob Cluster	
i1295	16	Planetary	
6741	16	Planetary	
6751	16	Planetary	

# SkyCharts 18–20 RA (page2)

NGC/IC	Chart	Object	Comments
6755	16	Ls Cluster	
6756	16	Ls Cluster	
6760	16	Glob Cluster	
6772	16	Planetary	
6774	16	Ls Cluster	
6781	16	Planetary	
6790	16	Planetary	
6803	16	Planetary	
6804	16	Planetary	
6807	16	Planetary	
6818	16	Planetary	
6835	16	Galaxy	
6514-M20	22	Nebula	Trifid Nebula
6520/40	22	Ls Clustrs	Within 1/4° of each other
6522/28	22	Glob Clustrs	Within 1/4° of each other
6523-M23	22	Nebula	Lagoon Nebula
6531-M21	22	Ls Cluster	
6541	22	Glob Cluster	
6544	22	Glob Cluster	
6563	22	Planetary	Close to 3 stars
6568	22	Ls Cluster	
6569	22	Glob Cluster	
6578	22	Planetary	Close to a star
6620	22	Planetary	
6624	22	Glob Cluster	
6626-M28	22	Glob Cluster	
6629	22	Planetary	Close to a star
6637-M69	22	Glob Cluster	
6652	22	Glob Cluster	
6656-M22	22	Glob Cluster	
6681-M70	22	Glob Cluster	
6715-M54	22	Glob Cluster	
6723	22	Glob Cluster	

# SkyCharts 20–22 RA

NGC/IC	Chart	Object	Comments
6939	3	Ls Cluster	
6946	3	Galaxy	
6951	3	Galaxy	
7008	3	Planetary	
7023	3	Nebula	_____ Surrounds small star
7086	3	Ls Cluster	
7127	3	Ls Cluster	
7128	3	Ls Cluster	
7129/33	3	Nebulas	_____ very small, 1/4° of each other
7139	3	Planetary	
7142	3	Ls Cluster	
i1396	3	Ls Cluster	_____ surrounded by large nebula
6866	9	Ls Cluster	
6871	9	Ls Cluster	
6883	9	Ls Cluster	_____ +1° east of 6871
6851	9	Galaxy	
6957	9	Nebula	
6881	9	Planetary	
6884	9	Planetary	
6888	9	Nebula	_____ Crescent Nebula
6894	9	Planetary	
6928	9	Ls Cluster	
6905	9	Planetary	_____ Blue Flash
6913-M29	9	Ls Cluster	
6960	9	Nebula	_____ Veil Nebula (west loop)
6979	9	Nebula	_____ Veil Nebula (middle piece)
6992-95	9	Nebula	_____ Veil Nebula (east loop)
6997	9	Ls Cluster	_____ inside N. American Nebula
7000	9	Nebula	_____ N. American Nebula
i5067	9	Nebula	_____ Pelcan N., surrnds 7th mag star
6879	16	Planetary	_____ Inbetween three 7th mag stars
6886	16	Planetary	
6891	16	Planetary	
6981-M72	16	Glob Cluster	_____ 1.5° west of M72
6994-M73	16	Ls Cluster	_____ 1.5° east of M72
7009	16	Planetary	_____ Saturn N.–1.5° E of M73
7006	16	Glob Cluster	
7078-M15	16	Glob Cluster	
7089-M2	16	Glob Cluster	
6864-M75	23	Glob Cluster	
7099-M30	23	Glob Cluster	

# SkyCharts 22–24 RA

NGC/IC	Chart	Object	Comments
7762	3	Ls Cluster	
7822	3	Nebula	_____2 part nebula
i1454	3	Planetary	_____very near 7th mag star
M52	3	Ls Cluster	
598/M33	4	Galaxy	
650/M76	4	Planetary	_____Little Dumbbell
890	4	Galaxy	
925	4	Galaxy	
949	4	Galaxy	
1023	4	Galaxy	
1039/M34	4	Ls Cluster	
1058	4	Galaxy	
1169	4	Galaxy	
1220	4	Ls Cluster	
1245	4	Ls Cluster	
1272	4	Galaxy	
1275	4	Galaxy	
1333	4	Nebula	
i2003	4	Planetary	
i351	4	Planetary	
1342	4	Ls Cluster	
1499	4	Nebula	_____California Nebula
1514	4	Planetary	
M31	9	Galaxy	
M32	9	Galaxy	
M110	9	Galaxy	
7331	9	Galaxy	
7332/7339	9	Galaxy	
7385	9	Galaxy	
7448	9	Galaxy	
7454	9	Galaxy	
7457	9	Galaxy	
7625	9	Galaxy	
7640	9	Galaxy	
7662	9	Planetary	_____Blue Snowball
7678	9	Galaxy	
7741	9	Galaxy	
7606	17	Galaxy	
7600	17	Galaxy	
7585	17	Galaxy	
7619/7626	17	Galaxy	
7743	17	Galaxy	
7742	17	Galaxy	

# SkyCharts 22–24 RA (page2)

NGC/IC	Chart	Object	Comments
7814	17	Galaxy	_____
237	17	Galaxy	_____
221	17	Galaxy	_____
245	17	Galaxy	_____
268	17	Galaxy	_____
274/275	17	Galaxies	_____
157	17	Galaxy	_____
246	17	Planetary	_____
210/178	17	Galaxies	_____
1068/M77	17	Galaxy	_____
1035/1048/1042/1052			
	17	Galaxies	_____
936/935/941	17	Galaxies	_____
1087/1090	17	Galaxies	_____
1297/1300	17	Galaxies	_____
1400/1407	17	Galaxies	_____
1440/1452	17	Galaxies	_____
7293	23	Nebula	_____ Helix Nebula