Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
	ID	RA	DEC	CON	MAG	SIZE	TYPE	NAME	NOTES
√	0001	00h 01m 36s	+23° 29' 00"	Peg	GXY			Taffy Galaxies	CDS0482 UGC 12914-5 interacting galaxy pair (Rich Jakiel)
√	0002	00h 01m 60s	-15° 27' 60"	Cet	GXY			Wolf-Lundmark-Melotte	CDS0524 DDO 221 in Local Group
√	0003	00h 03m 48s	+21° 53' 60"	Peg	GXY			Pisces Dwarf	CDS0372 LGS 3 in Local Group
√	0004	00h 04m 12s	-29° 55' 60"	Scl	OCL			Zeta Sculptoris Cluster	CDS0526 Open Cluster Blanco 1
√	0005	00h 08m 06s	-34° 33' 60"	Scl	GXY			Sculptor Dwarf Irregular	CDS0419, CDS0422 SDIG, in the South Polar (NGC 253) group
√	0006	00h 24m 06s	-72° 05' 00"	Tuc	GCL		13.8	47 Tucanae	NGC104
√	0007	00h 25m 18s	+64° 07' 60"	Cas	SNR			Tycho's Supernova	CDS0504 3C 10 (SN 1572)
√	0008	00h 26m 06s	-11° 02' 00"	Cet	GXY			Cetus Dwarf	CDS0106 in Local Group
√	0009	00h 35m 18s	+36° 30' 60"	And	GXY			Andromeda III	CDSO14 in Local Group
√	0010	00h 37m 24s	-33° 44' 00"	Scl	GXY			Cartwheel Galaxy	CDSO91 MCG-06-02-022a
√	0011	00h 39m 18s	-43° 05' 60"	Phe	GXY			Exclamation Mark Galaxy	CDSO180
√	0012	00h 40m 22s	+41° 41' 07"	And	GXY			Satellite of Andromeda 1	M110
√	0013	00h 42m 18s	+40° 36' 60"	And	GXY			Andromeda VIII	CDSO19 in Local Group
√	0014	00h 42m 30s	+40° 33' 60"	And	GXY			Andromeda IV	CDSO15 former Local Group candidate
√	0015	00h 42m 42s	+40° 51' 54"	And	GXY			Satellite of Andromeda 2	M32
√	0016	00h 42m 42s	+41° 15' 60"	And	GXY			Andromeda A	M31 The Andromeda Galaxy
√	0017	00h 43m 42s	+61° 46' 60"	Cas	OCL			Sailboat Cluster	NGC225 (Rod Pommier in an upcoming article in Astronomy)
√	0018	00h 45m 42s	+38° 00' 00"	And	GXY			Andromeda I	CDSO12 in Local Group
√	0019	00h 47m 30s	-20° 25' 60"	Cet	GXY			Burbridge Chain	CDSO68 MCG-04-03-010..3 galaxies
√	0020	00h 47m 36s	-25° 16' 60"	Scl	GXY			Sculptor Galaxy; Silver Coin Galaxy	NGC253

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√	0021	00h 49m 53s	+42° 35' 20"	And	GXY			Baade's Galaxy A	CDSO39 (AKA: MCG+07-02-018)
√	0022	00h 49m 53s	+42° 36' 20"	And	GXY			Baade's Galaxy B	CDSO40 (AKA: MCG+07-02-019)
√	0023	00h 52m 42s	-72° 50' 00"	Tuc	GXY			Nubecula Minor	CDSO327 (AKA: PGC3085) Small Magellanic Cloud, SMC, in Local Group
√	0024	00h 52m 54s	+56° 36' 60"	Cas	OCL			PacMan Nebula	NGC281 (Lars Helgeland, Jason Ware)
√	0025	00h 57m 30s	+61° 09' 00"	Cas	ENE			Gamma Cassiopeiae Nebula	CDSO199 (AKA: IC59, IC63)
√	0026	01h 00m 12s	-33° 42' 00"	Scl	GXY			Sculptor Dwarf	CDSO418 MCG-06-03-015 in Local Group
√	0027	01h 03m 48s	+21° 52' 60"	Psc	GXY			LGS 3	CDSO284 (AKA: PGC3792) in Local Group also Pisces Dwarf
√	0028	01h 05m 06s	-06° 13' 00"	Cet	GXY			Shapley-Ames 1	CDSO432
√	0029	01h 07m 16s	+32° 31' 14"	Psc	GXY			Pisces Cloud [1]	NGC379 Arp 331
√	0030	01h 07m 18s	+32° 28' 59"	Psc	GXY			Pisces Cloud [2]	NGC380 Arp 331
√	0031	01h 07m 24s	+32° 24' 14"	Psc	GXY			Pisces Cloud [3]	NGC382 Arp 331
√	0032	01h 07m 25s	+32° 17' 34"	Psc	GXY			Pisces Cloud [5]	NGC384 Arp 331
√	0033	01h 07m 25s	+32° 24' 45"	Psc	GXY			Pisces Cloud [4]	NGC383 Arp 331
√	0034	01h 07m 27s	+32° 19' 12"	Psc	GXY			Pisces Cloud [6]	NGC385 Arp 331
√	0035	01h 09m 24s	+35° 43' 00"	And	GXY			Mirach's Ghost	NGC404 (Deep Sky Corner)
√	0036	01h 10m 18s	+47° 38' 00"	And	GXY			Andromeda V	CDSO16 in Local Group
√	0037	01h 16m 18s	+33° 27' 00"	Psc	GXY			Andromeda II	CDSO13 in Local Group
√	0038	01h 19m 36s	+58° 16' 60"	Cas	OCL			Dragonfly; ET; Owl; Phi Cassiopeiae Cluster	NGC457 (Sue French contributed by Akkana Peck), also Phi Cassiopeiae Cluster, Owl Cluster, ET Cluster
√	0039	01h 25m 48s	-01° 21' 00"	Cet	GXY			Minkowski's Object	CDSO317 Arp 133, NE of NGC 541
√	0040	01h 33m 48s	+30° 39' 60"	Tri	GXY			Pinwheel;	M33

Named Objects *Observer's Checklist*

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√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
								Triangulum Galaxy	(Burnham, RASC), also Triangulum Galaxy, prop: "Triangulum Pinwheel"
√	0041	01h 36m 42s	+15° 47' 01"	Psc	GXY			Phantom	M74
√	0042	01h 41m 48s	-89° 20' 00"	Oct	GXY			Polarissima Australis	NGC2573
√	0043	01h 42m 18s	+51° 34' 15"	Per	PNE			Apple Core; Barbell; Butterfly; Cork Nebula	M76 (Mike Frazier) also Little Dumbbell, Cork, or Butterfly Nebula
√	0044	01h 51m 06s	-44° 26' 00"	Phe	GXY			Phoenix Dwarf Irregular G.	CDSO357 in Local Group
√	0045	02h 15m 00s	+59° 15' 60"	Cas	OCL			Muscle Man Cluster	CDSO320 (AKA: St2) Stock 2 (Deep Sky List)
√	0046	02h 15m 00s	+59° 15' 60"	Cas	OCL			V Man Cluster	CDSO508 (AKA: St2) Stock 2 (Deep Sky List)
√	0047	02h 19m 00s	+57° 07' 42"	Per	OCL			Perseus Double Cluster [1]	NGC869 Double Cluster with NGC 884 (h Persei)
√	0048	02h 22m 18s	+57° 08' 12"	Per	OCL			Perseus Double Cluster [2]	NGC884 Double Cluster with NGC 869 (h Persei)
√	0049	02h 32m 48s	+61° 28' 00"	Cas	DNE			Heart Nebula	CDSO222 (AKA: IC1805) (Matt BenDaniel) see nearby Soul Nebula
√	0050	02h 36m 24s	+59° 39' 00"	Cas	GXY			Maffei I	CDSO299 UGCA 34
√	0051	02h 39m 54s	-34° 31' 60"	For	GXY			Fornax Dwarf	CDSO195 MCG-06-07-001 in Local Group
√	0052	02h 42m 00s	+59° 36' 60"	Cas	GXY			Maffei II	CDSO300 UGCA 39
√	0053	02h 42m 06s	+42° 45' 60"	Per	OCL			Spiral Cluster	M34 (Jeff Bondono)
√	0054	02h 42m 42s	+00° 01' 00"	Cet	GXY			Cetus A	M77
√	0055	02h 51m 18s	+60° 24' 00"	Cas	OCL			Soul Nebula	CDSO450 (AKA: IC1848) (Matt BenDaniel) see nearby Heart Nebula
√	0056	03h 16m 12s	+60° 06' 60"	Cam	OCL			Pazimo's Cluster	CDSO344 (AKA: St23) Stock 23 Open Cluster (U II 2000.0, W.S. Houston)
√	0057	03h 19m 48s	+41° 30' 42"	Per	GXY			Perseus A [1]	NGC1275
√	0058	03h 19m 51s	+41° 38' 31"	Per	GXY			Perseus A [2]	NGC1276
√	0059	03h 22m 00s	+49° 00' 00"	Per	OCL			Alpha Persei Cluster	CDSO8 Melotte 20 open cluster

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0060	03h 22m 42s	-37° 12' 00"	For	GXY			Fornax A	NGC1316 Arp 154
√	0061	03h 24m 54s	-21° 20' 00"	Eri	GXY			Holmberg VI	NGC1325
√	0062	03h 27m 48s	+50° 34' 60"	Per	GXY			Andromeda VII	CDSO18 also Cassiopeia dSph, in Local Group
√	0063	03h 27m 48s	+50° 34' 60"	Per	GXY			Cassiopeia dSph	CDSO94 also Andromeda VII, in Local Group
√	0064	03h 45m 48s	+24° 22' 00"	Tau	RNE			Maia Nebula	M45 in the Pleiades
√	0065	03h 46m 12s	+23° 45' 60"	Tau	RNE			Merope Nebula	M45 in the Pleiades also Tempel's Nebula
√	0066	03h 46m 18s	+23° 55' 60"	Tau	RNE			Tempel's Nebula	M45 (AKA: IC349) Merope Nebula in the Pleiades
√	0067	03h 47m 30s	+24° 07' 00"	Tau	OCL			Pleiades	M45 also Subaru or the Seven Sisters
√	0068	03h 57m 24s	+63° 03' 60"	Cam	AST			Kemble's Cascade	CDSO264 Asterism Kemble 1 (Houston)
√	0069	03h 59m 12s	-21° 20' 00"	Eri	GXY			Horologium Dwarf	CDSO243 also Schuster's Spiral
√	0070	04h 03m 12s	+36° 21' 60"	Per	PNE			California Nebula	NGC1499
√	0071	04h 09m 17s	+30° 46' 33"	Tau	PNE			Crystal Ball Nebula	NGC1514
√	0072	04h 21m 42s	+19° 30' 60"	Tau	ENE			Struve's Lost Nebula	NGC1554
√	0073	04h 21m 44s	+19° 31' 14"	Tau	ENE			Hind's Variable Nebula [1]	NGC1554
√	0074	04h 21m 57s	+19° 32' 03"	Tau	ENE			Hind's Variable Nebula [2]	NGC1555
√	0075	04h 22m 00s	+19° 31' 60"	Tau	HH Object			Burnham's Nebula	CDSO69 (AKA: HH255) T Tauri Nebula
√	0076	04h 24m 48s	-21° 10' 60"	Eri	GCL			Eridanus Globular Cluster	CDSO176 (Sky Catalogue 2000.0)
√	0077	04h 26m 60s	+16° 00' 00"	Tau	OCL			Hyades	CDSO250 (AKA: Mel25) Melotte 25
√	0078	04h 28m 00s	-47° 54' 00"	Cae	GXY			Carafe Galaxy, Cannon's	CDSO85 near NGC 1595/98
√	0079	04h 28m 22s	-47° 48' 56"	Cae	GXY			Carafe Group [2]	NGC1595 + Carafe Galaxy
√	0080	04h 28m 34s	-47° 46' 55"	Cae	GXY			Carafe Group [3]	NGC1598 + Carafe Galaxy

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√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0081	04h 33m 12s	+05° 21' 00"	Tau	GXY			BW Tauri	CDSO38 UGC 3087, 3C 120. S0 Seyfert Galaxy
√	0082	04h 36m 12s	-58° 49' 60"	Ret	GXY			Reticulum Dwarf	CDSO385 Sersic 040.03
√	0083	04h 36m 12s	-58° 51' 60"	Ret	GCL			Reticulum Cluster	CDSO384 Glob. Cl. Candidate, diam 5.9, bst 14 (U II 2000.0)
√	0084	04h 37m 12s	+71° 31' 00"	Cam	GXY			Camelopardalis A	CDSO80 nearby dwarf galaxy
√	0085	04h 38m 42s	+26° 02' 60"	Tau	DNE			Taurus Dark Cloud	CDSO487 B22 dark nebula (U II 2000.0)
√	0086	05h 04m 54s	-07° 15' 00"	Eri	ENE			Witch Head Nebula	CDSO522 (AKA: IC2118)
√	0087	05h 13m 54s	-67° 26' 60"	Dor	PNE			Hubble's Double Bubble	CDSO248 Hubble 5 PN (Bruce Balick)
√	0088	05h 16m 30s	+34° 20' 60"	Aur	ENE			Flaming Star Nebula	CDSO190 (AKA: IC405)
√	0089	05h 19m 48s	-69° 26' 60"	Dor	OCL			Starfish Cluster	M38 (Jeff Bondono)
√	0090	05h 19m 54s	-45° 46' 60"	Pic	GXY			Pictor A	CDSO359 MSH 05-43, galaxy 15.8 m_v
√	0091	05h 23m 36s	-69° 45' 00"	Dor	GXY			Large Magellanic Cloud, LMC	CDSO276 (AKA: LMC) "Nubecula Major" in Local Group
√	0092	05h 23m 36s	-69° 45' 00"	Dor	GXY			Nubecula Major	CDSO326 (AKA: Clark133) Large Magellanic Cloud, LMC, in Local Group
√	0093	05h 27m 30s	-12° 41' 60"	Lep	PNE			Spirograph Nebula	CDSO462 (AKA: IC418)
√	0094	05h 34m 30s	+22° 00' 60"	Tau	Pulsar			Crab Pulsar	CDSO139 (AKA: NP0532) central star of the Crab Nebula M1
√	0095	05h 34m 30s	+22° 00' 60"	Tau	SNR			Crab Nebula	M1 SN 1054, Crab supernova which generated M1, the Crab Nebula Crab Pulsar (Rosse 1844)
√	0096	05h 35m 00s	-03° 00' 00"	Ori	PNE			Barnard's Loop	CDSO45 Sharpless 2-276, H V.35 ?
√	0097	05h 35m 06s	+09° 55' 60"	Ori	OCL			Lambda Orionis Cluster	CDSO274 (AKA: Cr69) Collinder 69
√	0098	05h 35m 18s	-05° 22' 60"	Ori	DNE			Fish mouth	M42 Orion Nebula, dark nebula in M42
√	0099	05h 35m 30s	-05° 16' 00"	Ori	ENE			De Mairan's Nebula	M43 Part of the Orion Nebula

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√	0100	05h 35m 36s	-01° 04' 60''	Ori	OCL			Orion's Belt	CDSO336 Cr 70 cluster
√	0101	05h 36m 12s	-01° 12' 00''	Ori	ENE			Epsilon Orionis Nebula,Alnilam	NGC1990
√	0102	05h 36m 18s	+10° 00' 00''	Ori	BNE			Lambda Orionis Nebula	CDSO275 (AKA: Sh2-264) Sharpless 2-264, also North Orion Bubble (M. Covington)
√	0103	05h 36m 18s	+10° 00' 00''	Ori	BNE			North Orion Bubble	CDSO324 (AKA: Sh2-264) (M. Covington) Sharpless 2-264, also Lambda Orionis Nebula
√	0104	05h 36m 18s	+34° 08' 00''	Aur	OCL			Pinwheel Cluster	M36 (Jeff Bondono)
√	0105	05h 36m 24s	-06° 46' 00''	Ori	HH Object			Butterfly Nebula	CDSO75 M2-9 bipolar nebula, also Siamese Squid Nebula, Twinjet Nebula
√	0106	05h 36m 24s	-06° 46' 00''	Ori	HH Object			Siamese Squid Nebula	CDSO438 M2-9 bipolar nebula, also Twinjet Nebula, Butterfly Nebula
√	0107	05h 36m 24s	-06° 46' 00''	Ori	HH Object			Twinjet Nebula	CDSO503 M2-9 bipolar nebula, also Siamese Squid Nebula, Butterfly Nebula
√	0108	05h 38m 42s	-69° 05' 60''	Dor	DNE			Tarantula Nebula	NGC2070
√	0109	05h 38m 42s	-69° 05' 60''	Dor	DNE			True Lovers' Knot	NGC2070 (Mark A. Chantrand III) Tarantula Nebula, 30 Doradus in LMC, also Looped Nebula
√	0110	05h 38m 42s	-69° 05' 60''	Dor	PNE			Looped Nebula	NGC2070 (Mark A. Chantrand III) Tarantula Nebula, 30 Doradus in LMC, also True Lovers' Knot
√	0111	05h 38m 42s	-69° 05' 60''	Dor	OCL			30 Doradus	NGC2070 Tarantula Nebula in LMC
√	0112	05h 39m 06s	+28° 00' 00''	Tau	SNR			Simeis 147	CDSO442 Sh2-240 (Uranometria)
√	0113	05h 39m 42s	-69° 39' 00''	Dor	PNE			Ghost Head Nebula	NGC2080 in LMC, near NGC 2070
√	0114	05h 40m 54s	-02° 28' 00''	Ori	DNE			Horsehead Nebula	CDSO244 Barnard 33, in front of IC 434
√	0115	05h 41m 42s	-01° 51' 00''	Ori	ENE			Flame Nebula	NGC2024 also Orion B
√	0116	05h 41m 42s	-01° 51' 00''	Ori	ENE			Orion B	NGC2024 also Flame Nebula
√	0117	05h 41m 42s	-01° 51' 00''	Ori	ENE			Tank tracks	NGC2024 (Bill Arnett), = Orion B
√	0118	05h 46m 12s	+00° 06' 00''	Ori	RNE			McNeil's	CDSO308 DN EQ J054614-00058, a variable

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								Nebula	relfection nebula near M78
√	0119	05h 52m 18s	+32° 32' 60"	Aur	OCL			Auriga Salt-and-Pepper	M37 (H. Frommert and Jeff Bondono)
√	0120	05h 52m 18s	+32° 32' 60"	Aur	OCL			January Salt-and-Pepper	M37 (Jeff Bondono and H. Frommert)
√	0121	05h 52m 18s	+32° 33' 12"	Aur	OCL			Salt-and-Pepper Clusters [2]	M37 (Jeff Bondono and Hartmut Frommert)
√	0122	06h 08m 24s	+13° 57' 60"	Ori	OCL			"37" Cluster	NGC2169 (Goldstein, Archinal/Hynes)
√	0123	06h 08m 24s	+13° 57' 60"	Ori	OCL			"LE" Cluster	NGC2169 (McNeil, Archinal/Hynes), also "37" cluster
√	0124	06h 08m 54s	+15° 49' 00"	Ori	PNE			Lower's nebula	CDSO298 Sh2-261 (Arnaldo Arnal, Uranometria)
√	0125	06h 18m 00s	+23° 37' 60"	Gem	OCL			9-12 Geminorum Cluster	CDSO2 Cr 89 cluster including 9, 10, 11 and 12 Gem (Archinal/Hynes)
√	0126	06h 20m 00s	-10° 37' 60"	Mon	PNE			Red Rectangle	CDSO381 AFGL 915, bipolar N near mag 8.8 SAO 151362 = HD 44179 (double)
√	0127	06h 28m 00s	+15° 00' 00"	Gem	GXY			Snickers	CDSO448 Possible nearby dwarf galaxy, discovered in radio, (ApJL 201, L103 (1975))
√	0128	06h 30m 40s	+05° 00' 47"	Mon	ENE			Rosette Nebula [2]	NGC2238
√	0129	06h 30m 54s	+05° 03' 00"	Mon	ENE			Rosette Nebula [1]	NGC2237
√	0130	06h 31m 56s	+04° 56' 35"	Mon	ENE			Rosette Nebula [3]	NGC2239
√	0131	06h 32m 34s	+05° 07' 41"	Mon	ENE			Rosette Nebula [4]	NGC2246
√	0132	06h 37m 06s	+03° 04' 00"	Mon	OCL			Anonymous vdB cluster	CDSO21 Open Cluster vdB 1 (SIMBAD, Archinal/Hynes), also CV Mon cl
√	0133	06h 37m 06s	+03° 04' 00"	Mon	OCL			CV Mon cluster	CDSO145 Open cl vdB 1 (SIMBAD, Archinal/Hynes), also Anonymous vdB cl
√	0134	06h 39m 12s	+08° 45' 00"	Mon	ENE			Hubble's Variable Nebula	NGC2261
√	0135	06h 40m 60s	+09° 53' 60"	Mon	PNE			Cone Nebula (Conus N.)	NGC2264 associated with the Christmas Tree Cluster
√	0136	06h 40m 60s	+09° 53' 60"	Mon	OCL			Christmas Tree Cluster	NGC2264 associated with the Cone Nebula

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√	0137	06h 40m 60s	+09° 53' 60''	Mon	OCL			X-mas Tree Cluster	NGC2264
√	0138	06h 41m 36s	-50° 58' 00''	Car	GXY			Carina Dwarf	CDSO89 ESO 206-A20 in Local Group
√	0139	06h 42m 48s	-74° 15' 00''	Vol				Lindsay-Shapley Ring	CDSO285 (AKA: AM0644-741) Graham A
√	0140	06h 44m 24s	-74° 11' 00''	Vol	GXY			Southern Ring Galaxy	CDSO455 ESO 34-IG 11 (Lautsen e.a.)
√	0141	06h 56m 18s	-24° 44' 00''	CMa	OCL			Omicron Canis Minorum Cl.	CDSO331 Open Cluster Cr 121
√	0142	07h 02m 42s	-08° 22' 60''	Mon	OCL			Heart-Shaped Cluster	M50 (Jeff Bondono)
√	0143	07h 04m 24s	-10° 26' 60''	Mon	ENE			Eagle Nebula	CDSO169 (AKA: IC2177) also Seagull Nebula
√	0144	07h 04m 24s	-10° 26' 60''	Mon	ENE			Seagull Nebula	CDSO423 (AKA: IC2177) (R. Jakiel) also Eagle Nebula
√	0145	07h 04m 30s	-58° 27' 00''	Car	GXY			Argo Dwarf	CDSO33 (AKA: MCG-2-53-3) nearby LSB dwarf galaxy, also Carina II
√	0146	07h 04m 30s	-58° 27' 00''	Car	GXY			Carina II Dwarf	CDSO90 nearby LSB dwarf galaxy, also Argo Dwarf
√	0147	07h 11m 24s	+71° 50' 00''	Cam	GXY			Integral Sign Galaxy	CDSO254 UGC 3697
√	0148	07h 18m 30s	-13° 14' 00''	CMa	ENE			Duck Nebula	NGC2359 (Deep Sky List)
√	0149	07h 18m 30s	-13° 14' 00''	CMa	ENE			Thor's Helmet	NGC2359 (Bill Arnett)
√	0150	07h 18m 42s	-24° 57' 00''	CMa	OCL			Mexican Jumping Star	NGC2362 (Bill Arnett) = Tau CMa cluster
√	0151	07h 18m 42s	-24° 57' 00''	CMa	OCL			Tau CMa cluster	NGC2362 (Bill Arnett), = Mexican Jumping Star
√	0152	07h 20m 00s	-30° 00' 00''	CMa	GXY			Canis Major Dwarf	CDSO83 dwarf galaxy in Local Group closest statellite to our Milky Way
√	0153	07h 23m 54s	-32° 12' 00''	CMa	OCL			Tuft in the Tail of the Dog	CDSO501 Cr 140 (in CMa)
√	0154	07h 28m 60s	+13° 15' 00''	Gem	PNE			Medusa Nebula	CDSO309 PN Abell 21, PK 205+14.1
√	0155	07h 29m 12s	+20° 54' 60''	Gem	PNE			Clown Nebula, Clown Face N.	NGC2392 also Eskimo Nebula
√	0156	07h 29m 12s	+20° 54' 60''	Gem	PNE			Eskimo Nebula	NGC2392 also Clown Nebula

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√	0157	07h 38m 06s	+38° 53' 00"	Lyn	GCL			Intergalactic Wanderer/Tramp	NGC2419 globular cluster
√	0158	07h 42m 18s	-14° 41' 60"	Pup	PNE			Calabash Nebula	CDSO78 OH 231.8+4.2, planetary nebula in Pup (around QX Pup), also Rotten Egg Nebula
√	0159	07h 42m 18s	-14° 41' 60"	Pup	PNE			Rotten Egg Nebula	CDSO399 OH 231.8+4.2, planetary nebula in Pup (around QX Pup), also Calabash Nebula (STScI PRC99-39)
√	0160	07h 44m 30s	-23° 51' 00"	Pup	OCL			Butterfly Cluster	M93 (Jeff Bondono)
√	0161	07h 56m 54s	-59° 08' 00"	Car	ENE			Butterfly Nebula	CDSO74 (AKA: IC2220)
√	0162	07h 56m 54s	-59° 08' 00"	Car	ENE			Toby Jug Nebula	CDSO493 (AKA: IC2220)
√	0163	07h 57m 48s	+53° 25' 00"	Lyn	PNE			Headphone Nebula	CDSO530 (AKA: PK164+31.1)
√	0164	08h 13m 12s	+46° 00' 00"	Lyn	GXY			Bear Paw (Claw) Galaxy	NGC2537 Arp 6
√	0165	08h 19m 18s	+70° 43' 00"	UMa	GXY			Holmberg II	CDSO235 Arp 268, DDO 50, UGC 4305
√	0166	08h 24m 06s	-43° 00' 00"	Pup	SNR			Puppis A	CDSO379 SNR, radio source
√	0167	08h 30m 00s	-45° 00' 00"	Vel	SNR			Gum Nebula	CDSO217 Gum 12. Also Vela SNR, 20x12 deg extended. Contains Vela pulsar (PSR 0833-45).
√	0168	08h 30m 00s	-45° 00' 00"	Vel	SNR			Vela SNR	CDSO512 Gum 12, the Gum Nebula. 20x12 deg extended. Contains Vela pulsar (PSR 0833-45).
√	0169	08h 40m 18s	-52° 55' 00"	Vel	OCL			Omicron Velorum Cluster	CDSO332 (AKA: IC2391)
√	0170	08h 40m 24s	+19° 39' 60"	Cnc	OCL			Beehive Cluster	M44 also Praesepe
√	0171	08h 40m 24s	+19° 39' 60"	Cnc	OCL			Manger (Praesepe)	M44 also Beehive Cluster
√	0172	08h 40m 24s	+19° 39' 60"	Cnc	OCL			Praesepe (Manger)	M44 also Beehive Cluster
√	0173	08h 51m 18s	+11° 48' 00"	Cnc	OCL			King Cobra	M67
√	0174	08h 55m 00s	+49° 09' 00"	UMa	GXY			Spindle	NGC2686
√	0175	08h 55m 36s	+58° 44' 00"	UMa	GXY			Helix Galaxy	NGC2685
√	0176	08h 55m 36s	+58° 44' 00"	UMa	GXY			Pancake	NGC2685

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
									Arp 336
√	0177	09h 00m 18s	-45° 57' 00"	Vel	GXY			Herschel's Ray	NGC2736
√	0178	09h 00m 18s	-45° 57' 00"	Vel	GXY			Pencil	NGC2736
√	0179	09h 14m 36s	+74° 13' 60"	Cam	GXY			Holmberg III	CDSO236 UGC 4841
√	0180	09h 18m 06s	-12° 06' 00"	Hya	GXY			Hydra A	CDSO251 3C 218, MCG-02-24-007
√	0181	09h 39m 54s	+11° 59' 00"	Leo	PNE			Frosty Leo	CDSO197 (R. Jakiel) IRAS 09371+1212, a neat bi-polar nebula
√	0182	09h 40m 30s	+71° 11' 00"	UMa	GXY			Holmberg I	CDSO234 DDO 63, UGC 5139
√	0183	09h 55m 33s	+69° 03' 56"	UMa	GXY			Bode's Galaxies (Nebulae) [1]	M81
√	0184	09h 55m 33s	+69° 03' 56"	UMa	GXY			Bode's Galaxy, Bode's Nebula	M81 (Murdin/Allen/Malin 1979)
√	0185	09h 55m 53s	+69° 40' 50"	UMa	GXY			Bode's Galaxies (Nebulae) [2]	M82
√	0186	09h 55m 54s	+69° 41' 00"	UMa	GXY			Cigar Galaxy	M82 (Tom Polakis)
√	0187	09h 55m 54s	+69° 41' 00"	UMa	GXY			Ursa Major A	M82
√	0188	09h 57m 36s	+69° 03' 00"	UMa	GXY			Holmberg IX	CDSO242 DDO 66, UGC 5336
√	0189	09h 59m 18s	+30° 45' 00"	Leo	GXY			Leo III, Leo A	CDSO280 DDO 69, UGC 5364 in Local Group
√	0190	10h 00m 00s	+05° 19' 00"	Sex	GXY			Sextans B	CDSO428 DDO 70, UGC 5373
√	0191	10h 04m 06s	-27° 20' 00"	Ant	GXY			Antlia Dwarf	CDSO28 in Local Group
√	0192	10h 04m 12s	+68° 39' 60"	UMa	PNE			Garland	CDSO205 S of NGC 3077
√	0193	10h 05m 12s	-07° 43' 00"	Sex	GXY			Spindle Galaxy	NGC3115
√	0194	10h 05m 36s	+00° 04' 00"	Sex	GCL			Sextans C	CDSO429 (AKA: Pal3) UGC 5439, A 1003 Globular Cluster Palomar 3 (former Local Group galaxy suspect)
√	0195	10h 07m 00s	-40° 26' 00"	Vel	PNE			Eight-burst Planetary	NGC3132 also Southern Ring
√	0196	10h 07m 00s	-40° 26' 00"	Vel	PNE			Southern Ring Nebula	NGC3132 (John Caldwell's list) also Eight-burst Planetary

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0197	10h 08m 30s	+12° 18' 00"	Leo	GXY			Leo I	CDSO278 Regulus dwarf, DDO 74, UGC 5470, Harrington-Wilson #1 in Local Group
√	0198	10h 10m 60s	-04° 40' 60"	Sex	GXY			Sextans A	CDSO427 DDO 75, UGCA 205 in Local Group
√	0199	10h 13m 12s	-01° 37' 00"	Sex	GXY			Sextans Dwarf	CDSO430 in Local Group
√	0200	10h 17m 39s	+21° 41' 17"	Leo	GXY			Gamma Leonis Group [1]	NGC3185 (group of galaxies)
√	0201	10h 17m 48s	+21° 52' 24"	Leo	GXY			Gamma Leonis Group [2]	NGC3187 (group of galaxies)
√	0202	10h 18m 06s	+21° 49' 57"	Leo	GXY			Gamma Leonis Group [3]	NGC3190 (group of galaxies)
√	0203	10h 18m 25s	+21° 53' 38"	Leo	GXY			Gamma Leonis Group [4]	NGC3193 (group of galaxies)
√	0204	10h 24m 48s	-18° 38' 60"	Hya	PNE			CBS Eye	NGC3242 (Deep Sky List)
√	0205	10h 24m 48s	-18° 38' 60"	Hya	PNE			Eye Nebula	NGC3242 (Michael Ferrio) also Ghost of Jupiter
√	0206	10h 24m 48s	-18° 38' 60"	Hya	PNE			Ghost of Jupiter	NGC3242 also Eye Nebula
√	0207	10h 24m 48s	-18° 38' 60"	Hya	PNE			Jupiter's Ghost	NGC3242
√	0208	10h 28m 24s	+68° 24' 60"	UMa	GXY			Coddington's Nebula	CDSO122 (AKA: IC2574)
√	0209	10h 35m 48s	-58° 14' 00"	Car	OCL			Gem Cluster	NGC3293
√	0210	10h 42m 36s	+34° 27' 00"	LMi	GXY			Spider	CDSO457 DDO 84, UGC 5829
√	0211	10h 42m 54s	-64° 24' 00"	Car	OCL			Southern Pleiades	CDSO454 (AKA: IC2602) Theta Carinae
√	0212	10h 42m 54s	-64° 24' 00"	Car	OCL			Theta Carinae	CDSO490 (AKA: IC2602) Southern Pleiades
√	0213	10h 45m 06s	-59° 51' 60"	Car	DNE			Keyhole Nebula	NGC3372 Dark Nebula in the Eta Carinae Nebula
√	0214	10h 45m 06s	-59° 51' 60"	Car	ENE			Eta Carinae Nebula	NGC3372
√	0215	10h 56m 54s	+06° 54' 00"	Leo	GXY			Ant Galaxy	CDSO22 UGC 6046 SBcd: galaxy (U II 2000.0)
√	0216	11h 03m 54s	+40° 49' 60"	UMa	GXY			Mayall's Object	CDSO305 Arp 148, MCG+07-23-019

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0217	11h 05m 42s	-58° 45' 00"	Car	OCL			Firefly Party Cluster	NGC3532 (Paulo Oshikawa, Brasil)
√	0218	11h 11m 12s	+28° 42' 00"	UMa	GXY			Ambartsumian's Knot	NGC3561
√	0219	11h 13m 24s	+22° 09' 60"	Leo	GXY			Leo II, Leo B	CDSO279 DDO 93, UGC 6253, Harrington-Wilson #2 in Local Group
√	0220	11h 14m 48s	+55° 00' 60"	UMa	PNE			Owl Nebula	M97
√	0221	11h 18m 56s	+13° 05' 31"	Leo	GXY			Leo Triplet [1]	M65
√	0222	11h 19m 36s	+51° 30' 00"	UMa	GXY			Arp's Galaxy	CDSO34 (AKA: PGC34658)
√	0223	11h 20m 15s	+12° 59' 26"	Leo	GXY			Leo Triplet [2]	M66
√	0224	11h 20m 17s	+13° 35' 19"	Leo	GXY			Leo Triplet [3]	NGC3628
√	0225	11h 29m 18s	+28° 58' 00"	UMa	GCL			Ursa Major Dwarf	CDSO506 (AKA: Pal4) UGCA 237, A 1127 Globular Cluster Palomar 4 (former Local Group galaxy suspect)
√	0226	11h 34m 00s	+49° 03' 60"	UMa	GXY			Papillon	CDSO341 (AKA: IC708)
√	0227	11h 35m 47s	-63° 01' 11"	Cen	OCL			Lambda Centauri Nebula [1]	CDSO272 (AKA: IC2944)
√	0228	11h 35m 47s	-63° 01' 11"	Cen	OCL			Running Chicken Nebula [1]	CDSO400 (AKA: IC2944) Vehrenberg's Atlas of Deep-Sky Splendors (contributed by Michael Ferrio)
√	0229	11h 37m 44s	+22° 00' 34"	Leo	GXY			Copeland's Septet [2]	NGC3746
√	0230	11h 37m 44s	+22° 01' 16"	Leo	GXY			Copeland's Septet [1]	NGC3745
√	0231	11h 37m 49s	+22° 01' 33"	Leo	GXY			Copeland's Septet [3]	NGC3748
√	0232	11h 37m 52s	+21° 58' 26"	Leo	GXY			Copeland's Septet [4]	NGC3750
√	0233	11h 37m 54s	+21° 56' 11"	Leo	GXY			Copeland's Septet [5]	NGC3751
√	0234	11h 37m 54s	+21° 58' 52"	Leo	GXY			Copeland's Septet [6]	NGC3753
√	0235	11h 37m 55s	+21° 59' 06"	Leo	GXY			Copeland's Septet [7]	NGC3754
√	0236	11h 39m 05s	-63° 26' 36"	Cen	OCL			Lambda Centauri Nebula [2]	CDSO273 (AKA: IC2948)

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0237	11h 39m 05s	-63° 26' 36"	Cen	OCL			Running Chicken Nebula [2]	CDSO401 (AKA: IC2948) Vehrenberg's Atlas of Deep-Sky Splendors (contributed by Michael Ferrio)
√	0238	11h 39m 06s	-63° 27' 00"	Cen	ENE			Thackeray's Globules	CDSO489 (AKA: IC2948) Bok globules in diffuse nebula
√	0239	11h 46m 48s	-03° 49' 00"	Vir	GXY			Wild's Triplett	CDSO520 Arp 248, MCG-01-30-032..4
√	0240	11h 47m 18s	+89° 05' 60"	UMi	GXY			Polarissima Borealis	NGC3172
√	0241	11h 50m 18s	-57° 11' 00"	Cen	PNE			Blue Planetary	NGC3918
√	0242	11h 51m 48s	+48° 41' 00"	UMa	GXY			Miniature Spiral	NGC3928
√	0243	11h 58m 24s	+38° 02' 60"	UMa	GXY			Zwicky #2	CDSO527 DDO 105, UGC 6955
√	0244	12h 01m 53s	-18° 52' 07"	Crv	GXY			Antennae Galaxy [1]	NGC4038 also Ring Tail Galaxies, VV 245
√	0245	12h 01m 53s	-18° 52' 07"	Crv	GXY			Ring Tail Galaxies [1]	NGC4038 also Antennae Galaxies
√	0246	12h 01m 54s	-18° 53' 09"	Crv	GXY			Antennae Galaxy [2]	NGC4039 also Ring Tail Galaxies, VV 245
√	0247	12h 01m 54s	-18° 53' 09"	Crv	GXY			Ring Tail Galaxies [2]	NGC4039 also Antennae Galaxies
√	0248	12h 12m 19s	+29° 10' 46"	Com	GXY			Box [1]	NGC4169
√	0249	12h 12m 21s	+29° 12' 27"	Com	GXY			Box [2]	NGC4173
√	0250	12h 12m 27s	+29° 08' 57"	Com	GXY			Box [3]	NGC4174
√	0251	12h 12m 31s	+29° 10' 06"	Com	GXY			Box [4]	NGC4175
√	0252	12h 18m 48s	+14° 25' 00"	Com	GXY			Coma Pinwheel Galaxy	M99 (prop based on RASC)
√	0253	12h 18m 48s	+14° 25' 00"	Com	GXY			[St.] Katherine's Wheel	M99 (Francis Jacob, 1895 communicated by Bob McGown and Dareth Murray)
√	0254	12h 18m 48s	+14° 25' 00"	Com	GXY			Pinwheel Galaxy	M99 (RASC) prop: "Coma Pinwheel" or "Virgo Cluster Pinwheel"
√	0255	12h 18m 48s	+14° 25' 00"	Com	GXY			St. Katherine's Wheel	M99 (Francis Jacob, 1895 communicated by Bob McGown and Dareth Murray)
√	0256	12h 18m 48s	+14° 25' 00"	Com	GXY			Virgo Cluster Pinwheel Gal.	M99 (prop based on RASC)

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0257	12h 21m 55s	+04° 28' 23"	Vir	GXY			Swelling Spiral	M61
√	0258	12h 22m 12s	+58° 04' 60"	UMa	DST			Winnecke 4 (WNC4)	M40
√	0259	12h 22m 12s	+58° 04' 60"	UMa	DST			WNC 4 (Winnecke 4)	M40
√	0260	12h 25m 00s	+26° 00' 00"	Com	OCL			Coma Berenices Cluster	CDSO124 (AKA: Cr256, OCL558, Lund613, Mel111)
√	0261	12h 25m 00s	+26° 00' 00"	Com	OCL			Coma Star Cluster	CDSO126 (AKA: Mel111) Melotte 111 open cluster
√	0262	12h 25m 00s	-71° 30' 00"	Mus	DNE			Dark Doodad	CDSO151 dark nebula 150x15' (U II 2000.0)
√	0263	12h 25m 06s	+12° 52' 60"	Vir	GXY			Markarian's Chain	NGC4374 NGC4374-4501 M84/M86/M88 + several fainter galaxies in Virgo Cluster
√	0264	12h 27m 40s	+13° 04' 45"	Vir	GXY			Eyes [1]	NGC4435 in Virgo Cluster
√	0265	12h 27m 46s	+13° 00' 32"	Vir	GXY			Eyes [2]	NGC4438 in Virgo Cluster
√	0266	12h 30m 36s	+41° 39' 00"	CVn	GXY			Cocoon Galaxy	NGC4490
√	0267	12h 30m 48s	+12° 22' 60"	Vir	GXY			Smoking Gun	M87 (Nasa/STScI) the active center of M87
√	0268	12h 30m 48s	+12° 22' 60"	Vir	GXY			Virgo A	M87 Active center: "The Smoking Gun", in Virgo Cluster
√	0269	12h 32m 30s	+00° 22' 60"	Vir	GXY			Reinmuth 80	NGC4517 UGC 7685
√	0270	12h 34m 06s	+07° 41' 60"	Vir	GXY			Lost Galaxy	NGC4526 (RASC Finest NGC, Jeff Bondono, L.S. Copeland) in Virgo Cluster
√	0271	12h 34m 18s	+08° 11' 60"	Vir	GXY			Lost Galaxy	NGC4535 (RASC Galaxy Names, Jim Shields, SAC db) in Virgo Cluster
√	0272	12h 34m 18s	+08° 11' 60"	Vir	GXY			McLeish's Object	NGC4535 Lost Galaxy
√	0273	12h 34m 42s	+06° 16' 60"	Vir	GXY			Holmberg VII	CDSO240 DDO 137, UGC 7739
√	0274	12h 35m 36s	-39° 55' 00"	Cen	GXY			Shapley-Ames 2	NGC4507
√	0275	12h 35m 42s	-12° 02' 00"	Crv	OCL			Canali	CDSO82 open cluster or asterism (Canali 1997, U II 2000.0)
√	0276	12h 36m 33s	+11° 15' 28"	Vir	GXY			Siamese	NGC4567

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
								Twins [1]	in Virgo Cluster
√	0277	12h 36m 34s	+11° 14' 18"	Vir	GXY			Siamese Twins [2]	NGC4568 in Virgo Cluster
√	0278	12h 37m 00s	+14° 19' 60"	Com	GXY			Malin 1	CDSO302 (AKA: PGC42102) low surface brightness galaxy behind Virgo Cluster
√	0279	12h 40m 00s	-11° 37' 00"	Vir	GXY			Sombrero Galaxy	M104
√	0280	12h 40m 55s	-40° 58' 33"	Cen	GXY			Centaurus Chain [1]	NGC4603 galaxy chain
√	0281	12h 42m 06s	+32° 31' 60"	CVn	GXY			Herring Galaxy (Nebula)	NGC4631 (interstellarum No. 3) also Whale Galaxy
√	0282	12h 42m 06s	+32° 31' 60"	CVn	GXY			Whale Galaxy	NGC4631 (Thompson & Bryan Supernova Search Charts series) also Herring Galaxy
√	0283	12h 42m 17s	-40° 38' 31"	Cen	GXY			Centaurus Chain [2]	NGC4616 galaxy chain
√	0284	12h 42m 38s	-40° 44' 39"	Cen	GXY			Centaurus Chain [3]	NGC4622 galaxy chain
√	0285	12h 42m 54s	-78° 16' 00"	Cha	PNE			Thumbprint Nebula	CDSO492 "bright dark nebula" (Sky Cat 2000 has wrong Dec sign ! - Kenneth Drake)
√	0286	12h 44m 00s	+32° 10' 00"	CVn	GXY			Crowbar Galaxy	NGC4656 (Chris Schur)
√	0287	12h 44m 20s	-40° 43' 56"	Cen	GXY			Centaurus Chain [4]	NGC4650 galaxy chain
√	0288	12h 44m 48s	-54° 30' 60"	Cen	GXY			Boomerang Nebula	CDSO59 (AKA: AM121-541) Bipolar Nebula
√	0289	12h 45m 06s	+00° 28' 00"	Vir	GXY			Superwind-Galaxy	NGC4666 (S. Kohle/T. Credner)
√	0290	12h 45m 15s	-40° 49' 26"	Cen	GXY			Centaurus Chain [5]	NGC4661 galaxy chain
√	0291	12h 46m 12s	+30° 44' 00"	Com	GXY			Mice	NGC4676
√	0292	12h 49m 24s	-10° 07' 00"	Vir	GXY			Shapley-Ames 3	CDSO434 MCG-02-33-015
√	0293	12h 50m 53s	+41° 07' 12"	CVn	GXY			Croc's Eye Galaxy	M94
√	0294	12h 52m 60s	-63° 00' 00"	Cru	DNE			Coalsack	CDSO118 7-by-5 deg dark nebula near Alpha Crucis
√	0295	12h 53m 06s	+36° 49' 60"	CVn	GXY			Kidney Bean Galaxy	NGC4774

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0296	12h 53m 42s	-60° 21' 60"	Cru	OCL			Jewel Box	NGC4755
√	0297	12h 53m 42s	-60° 21' 60"	Cru	OCL			Kappa Crucis Cluster	NGC4755 also Jewel Box
√	0298	12h 54m 12s	+27° 37' 60"	Com	GXY			Coma A	CDSO123 3C 277.3, PCG 43882 active galaxy
√	0299	12h 55m 12s	+00° 07' 00"	Vir	GXY			Shapley-Ames 4	CDSO435 UGC 8041
√	0300	12h 56m 42s	+21° 40' 60"	Com	GXY			Black Eye Galaxy	M64 also "Sleeping Beauty Galaxy"
√	0301	12h 56m 42s	+21° 40' 60"	Com	GXY			Sleeping Beauty Galaxy	M64 also the Blackeye Galaxy
√	0302	12h 58m 42s	+14° 12' 60"	Vir	GXY			Footprint Galaxy	CDSO192 (AKA: UGC8091) GR-8, Imprint of Foot Galaxy, in Local Group
√	0303	12h 58m 42s	+14° 12' 60"	Vir	GXY			GR 8 (Gibson Reaves)	CDSO198 12:58.7 +14:13 DDO 155, UGC 8091 Footprint Galaxy, Imprint of Foot Galaxy in Local Group
√	0304	12h 58m 42s	+14° 12' 60"	Vir	GXY			Imprint of Foot Galaxy	CDSO252 (AKA: UGC8091) GR-8, Footprint Galaxy, in Local Group
√	0305	13h 12m 60s	-32° 41' 00"	Cen	GXY			Hardcastle's Galaxy	CDSO221 MCG-05-31-039
√	0306	13h 13m 18s	+36° 12' 00"	CVn	GXY			Holmberg VIII	CDSO241 DDO 166, UGC 8303
√	0307	13h 15m 48s	+42° 01' 60"	CVn	GXY			Sunflower galaxy	M63
√	0308	13h 25m 30s	-43° 00' 60"	Cen	GXY			Centaurus A	NGC5128 Arp 153
√	0309	13h 25m 30s	-43° 00' 60"	Cen	GXY			Hamburger Galaxy	NGC5128 (Akkana Peck), also Centaurus A
√	0310	13h 26m 48s	-47° 29' 00"	Cen	GCL			Omega Centauri	NGC5139
√	0311	13h 29m 54s	+47° 12' 00"	CVn	GXY			Lord Rosse's Nebula	M51 Whirlpool Galaxy
√	0312	13h 29m 54s	+47° 12' 00"	CVn	GXY			Question Mark	M51 (Lord Rosse), also Whirlpool Galaxy
√	0313	13h 29m 54s	+47° 12' 00"	CVn	GXY			Rosse's Galaxy	M51 also Whirlpool Galaxy, Lord Rosse's Question Mark
√	0314	13h 29m 54s	+47° 12' 00"	CVn	GXY			Whirlpool Galaxy	M51 also "Question Mark" (Lord Rosse)
√	0315	13h 32m 07s	+62° 42' 02"	UMa	GXY			Keenan's System [1]	NGC5216 Arp 104

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0316	13h 32m 10s	+62° 46' 03"	UMa	GXY			Keenan's System [2]	NGC5218 Arp 104
√	0317	13h 34m 48s	-45° 32' 60"	Cen	GXY			Fourcade-Figuero	CDSO196 MCG-07-28-004
√	0318	13h 37m 00s	-29° 52' 00"	Hya	GXY			Southern Pinwheel Galaxy	M83
√	0319	13h 39m 36s	-67° 22' 60"	Mus	PNE			Hourglass Planetary Nebula	CDSO247 (AKA: PK307-04.1) MyCn 18 (STScI PR 96-07)
√	0320	13h 40m 36s	+54° 19' 60"	UMa	GXY			Holmberg V	CDSO238 UGC 8658
√	0321	13h 47m 24s	-30° 22' 60"	Cen	GXY			Seashell Galaxy	CDSO424 Companion to NGC 5291
√	0322	13h 54m 42s	+53° 54' 00"	UMa	GXY			Holmberg IV	CDSO237 DDO 185, UGC 8837
√	0323	14h 03m 12s	+54° 20' 60"	UMa	GXY			Pinwheel Galaxy	M101 (Murdin/Allen/Malin 1979, Sky Catalogue 2000, RASC Observer's Handbook)
√	0324	14h 11m 54s	-51° 26' 00"	Cen	PNE			Southern Crab Nebula	CDSO451 Hen 2-104 symbiotic star nebula (STScI PRC99-32)
√	0325	14h 13m 12s	-65° 20' 00"	Cir	GXY			Circinus Galaxy	CDSO112 Highly obscured spiral galaxy
√	0326	14h 22m 24s	-44° 09' 00"	Lup	PNE			Retina Nebula	CDSO386 (AKA: IC4406) (STScI PRC02-14)
√	0327	15h 06m 30s	+55° 45' 60"	Dra	GXY			Spindle Galaxy	M102
√	0328	15h 08m 48s	+67° 11' 60"	UMi	GXY			Ursa Minor Dwarf	CDSO507 DDO 199, UGC 9749 in Local Group
√	0329	15h 13m 48s	-15° 27' 60"	Lib	GXY			Fath 703	NGC5892
√	0330	15h 15m 54s	+56° 19' 60"	Dra	GXY			Splinter Galaxy	NGC5907 Deep-Sky Wonders column (contributed by Michael Ferrio)
√	0331	15h 16m 06s	+00° 07' 60"	Ser	GXY			Serpens Dwarf	CDSO425 UGC 9792, A 1513 Globular Cluster Palomar 5 (former Local Group galaxy suspect)
√	0332	15h 17m 12s	+21° 35' 00"	Ser	GXY			Hoag's Object	CDSO232 (AKA: PGC54559) PGC 54559, PRC D-51 Polar Ring Galaxy in Serpens
√	0333	15h 59m 12s	+20° 45' 60"	Ser	GXY			Seyfert's Sextet	NGC6027 (AKA: NGC6027a-e)
√	0334	16h 06m 06s	+55° 25' 00"	Dra	GXY			Tadpole Galaxy	CDSO481 UGC 10214 (STScI PRC 02-11a)

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0335	16h 11m 42s	+12° 04' 00"	Her	PNE			White Eyed Pea	CDSO518 (AKA: IC4593) (Deep Sky List)
√	0336	16h 17m 12s	-51° 59' 00"	Nor	PNE			Ant Nebula	CDSO23 (AKA: PK331-01.1) PK 331-1.1 bipolar nebula
√	0337	16h 25m 24s	-24° 28' 00"	Oph	ENE			Rho Ophiuchi Complex [1]	CDSO387 (AKA: IC4603) + dark nebulae interstellar cloud
√	0338	16h 25m 30s	-23° 27' 00"	Oph	ENE			Rho Ophiuchi Nebula	CDSO390 (AKA: IC4604)
√	0339	16h 25m 33s	-23° 26' 36"	Oph	ENE			Rho Ophiuchi Complex [2]	CDSO388 (AKA: IC4604) + dark nebulae interstellar cloud
√	0340	16h 25m 60s	-26° 13' 00"	Sco	OCL			Antares Cluster	CDSO24 Cr 302 open cluster (SC 2000.0)
√	0341	16h 29m 12s	-26° 27' 00"	Sco	PNE			Antares Nebula	CDSO25 Ced 132, IC 4606, near Antares, also Cloud Nebula
√	0342	16h 29m 12s	-26° 27' 00"	Sco	PNE			Cloud Nebula	CDSO116 (AKA: IC4606) Antares Nebula, Ced 132
√	0343	16h 34m 06s	-44° 02' 60"	Nor	OCL			Mu Normae Cluster	NGC6169 (Sky Catalogue 2000.0)
√	0344	16h 37m 60s	-24° 06' 00"	Oph	DNE			Rho Ophiuchi Dark Cloud	CDSO389 dark lanes in Rho Oph complex
√	0345	16h 41m 42s	+36° 28' 00"	Her	GCL			Hercules Globular Cluster	M13
√	0346	16h 44m 30s	+23° 47' 60"	Her	PNE			Turtle Planetary Nebula	NGC6210
√	0347	16h 47m 12s	-01° 57' 38"	Oph	GCL			Gumball Globular	M12
√	0348	16h 49m 30s	+45° 30' 00"	Her	GXY			Zwicky's Triplet	CDSO528 Arp 103, CGCG 252-003 near UGC 10586
√	0349	16h 51m 12s	+04° 58' 60"	Oph	GXY			Hercules A	CDSO226 3C 348, MCG+01-43-006
√	0350	16h 54m 12s	-41° 49' 60"	Sco	OCL			Table of Scorpius	NGC6231 (Deep Sky List)
√	0351	16h 57m 00s	-40° 27' 00"	Sco	ENE			Prawn Nebula	CDSO377 (AKA: IC4628) (Ray Palmer)
√	0352	17h 01m 13s	-30° 06' 45"	Oph	GCL			Flickering Globular	M62
√	0353	17h 05m 36s	-10° 07' 60"	Oph	PNE			Butterfly Nebula	CDSO76 PK 10+18.2 planetary nebula

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0354	17h 13m 42s	-37° 05' 60''	Sco	PNE			Bug Nebula	NGC6302
√	0355	17h 14m 06s	-12° 55' 00''	Oph	PNE			Box Nebula	NGC6309
√	0356	17h 16m 24s	-59° 29' 00''	Ara	PNE			Stingray Nebula	CDSO472 (AKA: Hen-1357) young planetary nebula
√	0357	17h 20m 12s	+57° 55' 00''	Dra	GXY			Draco Dwarf	CDSO160 DDO 208, UGC 10822 in Local Group
√	0358	17h 20m 48s	-36° 05' 60''	Sco	ENE			Cat's Paw Nebula	NGC6334 (Jerry Lodriguss, S&T 8/98)
√	0359	17h 21m 06s	-26° 46' 60''	Oph	DNE			Pipe Nebula	CDSO365 LDN 1773, also Stem of the Pipe Nebula
√	0360	17h 21m 06s	-26° 46' 60''	Oph	DNE			Stem of the Pipe Nebula	CDSO467 LDN 1773, also Pipe Nebula
√	0361	17h 23m 30s	-23° 37' 60''	Oph	DNE			S Nebula	CDSO402 (AKA: B72) Barnard 72 dark nebula also Snake Nebula
√	0362	17h 23m 30s	-23° 37' 60''	Oph	DNE			Snake Nebula	CDSO447 (AKA: B72) Barnard 72 dark nebula also S Nebula
√	0363	17h 24m 42s	-34° 12' 00''	Sco	ENE			Lobster Nebula	NGC6357 (Ray Palmer) also War and Peace Nebula
√	0364	17h 24m 42s	-34° 12' 00''	Sco	ENE			War and Peace Nebula	NGC6357 (MSX team) also Lobster Nebula
√	0365	17h 29m 18s	-23° 45' 60''	Oph	PNE			Little Ghost Nebula	NGC6369 (Steve Gottlieb)
√	0366	17h 30m 48s	-21° 17' 60''	Oph	SNR			Kepler's supernova/SNR	CDSO265 (AKA: 3C358)
√	0367	17h 32m 60s	-26° 00' 00''	Oph	DNE			Pipe Nebula	CDSO364 Barnard 59, 56-7, 65 dark nebula
√	0368	17h 40m 18s	-32° 15' 00''	Sco	OCL			Butterfly Cluster	M6 (AKA: N6405) ("Splendors of the Heavens", Phillips/Stephenson 1923)
√	0369	17h 45m 42s	-29° 00' 00''	Sgr				Sagittarius A*	CDSO405 Milky Way Center
√	0370	17h 49m 18s	-20° 00' 60''	Sgr	PNE			Crescent Nebula	NGC6445
√	0371	17h 49m 18s	-20° 00' 60''	Sgr	PNE			Little Gem	NGC6445
√	0372	17h 50m 42s	-30° 13' 00''	Sco	OCL			Tom Thumb Cluster	NGC6451 (Deep Sky List)
√	0373	17h 53m 48s	-34° 47' 60''	Sco	OCL			Ptolemy's Cluster	M7 (Ptolemy mentioned it 138 AD) Also

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
									Scorpion's Tail
√	0374	17h 53m 48s	-34° 47' 60''	Sco	OCL			Scorpion's Tail	M7 Also Ptolemy's Cluster
√	0375	17h 58m 36s	+66° 37' 60''	Dra	PNE			Cat Eye Nebula	NGC6543
√	0376	18h 02m 42s	-22° 58' 00''	Sgr	PNE			Trifid Nebula	M20
√	0377	18h 02m 48s	-27° 50' 00''	Sgr	DNE			Ink Spot	CDSO253 Barnard 86 dark nebula
√	0378	18h 03m 42s	-24° 22' 60''	Sgr	DNE			Hourglass Nebula	M8 (A.D. Thackeray 1956) brightest part of the Lagoon Nebula
√	0379	18h 03m 42s	-24° 22' 60''	Sgr	DNE			Lagoon Nebula	M8 contains the Hourglass Nebula
√	0380	18h 03m 42s	-24° 22' 60''	Sgr	ENE			Dragon Nebula	M8 Part of the Lagoon Nebula (Sky Cat. 2000)
√	0381	18h 04m 18s	-32° 30' 00''	Sgr	DNE			Parrot's Head Nebula	CDSO342 Barnard 87 dark nebula (named by Barnard)
√	0382	18h 05m 12s	-19° 51' 00''	Sgr	PNE			Red Spider Nebula	NGC6537 (Bruce Balick)
√	0383	18h 09m 13s	-32° 10' 49''	Sgr	PNE			Gomez's Hamburger	CDSO209 14.5 mag, < 5" bipolar nebula (Rich Jakiel)
√	0384	18h 15m 36s	-18° 14' 00''	Sgr	DNE			Black Hole	CDSO50 Barnard 92 dark nebula, in M24
√	0385	18h 18m 24s	-18° 23' 60''	Sgr	OCL			Milky Way Patch	M24 also "Delle Caustiche"
√	0386	18h 18m 24s	-18° 23' 60''	Sgr	STR			Delle Caustiche	M24 (Secchi), also Sagittarius Star Cloud, Milky Way Patch
√	0387	18h 18m 24s	-18° 23' 60''	Sgr	STR			Sagittarius Star Cloud	M24 also "Delle Caustiche", Milky Way Patch
√	0388	18h 18m 54s	-13° 49' 60''	Ser	OCL			Eagle Nebula	M16 (AKA: IC4703) also Star Queen Nebula associated with cluster M16=NGC 6611
√	0389	18h 18m 54s	-13° 49' 60''	Ser	OCL			Star Queen Nebula	M16 (AKA: IC4703) also Eagle Nebula, associated with the star cluster M16=NGC 6611
√	0390	18h 19m 57s	-17° 07' 18''	Sgr	OCL			Black Swan	M18
√	0391	18h 20m 48s	-16° 09' 60''	Sgr	DNE			Checkmark Nebula	M17 also Omega, Swan, Horseshoe, or Lobster Nebula

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0392	18h 20m 48s	-16° 09' 60''	Sgr	DNE			Horseshoe Nebula	M17 also Omega, Swan, Lobster, or Checkmark Nebula
√	0393	18h 20m 48s	-16° 09' 60''	Sgr	DNE			Lobster Nebula	M17 (Steve Mencinsky) also Omega, Swan, Horseshoe, or Checkmark Nebula
√	0394	18h 20m 48s	-16° 09' 60''	Sgr	DNE			Omega Nebula	M17 also Swan, Horseshoe, Lobster, or Checkmark Nebula
√	0395	18h 20m 48s	-16° 09' 60''	Sgr	DNE			Swan Nebula	M17 also Omega, Horseshoe, Lobster, or Checkmark Nebula
√	0396	18h 35m 00s	+72° 22' 60''	Dra	AST			Mini Cassiopeia	CDSO315 Asterism Kemble 2
√	0397	18h 36m 24s	-23° 54' 17''	Sgr	GCL			Crackerjack Cluster	M22 Also Great Sagittarius Cluster
√	0398	18h 36m 24s	-23° 54' 17''	Sgr	GCL			Great Sagittarius Cluster	M22 Also Crackerjack Cluster
√	0399	18h 44m 18s	+39° 40' 00''	Lyr	DST			Double Double	CDSO158 (AKA: eps1 lyr, eps2 lyr)
√	0400	18h 51m 05s	-06° 16' 12''	Sct	OCL			Salt-and-Pepper Clusters [1]	M11 (Jeff Bondono and Hartmut Frommert)
√	0401	18h 51m 06s	-06° 16' 00''	Sct	OCL			July Salt-and-Pepper	M11 (Jeff Bondono and H. Frommert)
√	0402	18h 51m 06s	-06° 16' 00''	Sct	OCL			Scutum Salt-and-Pepper	M11 (AKA: N6705) (H. Frommert and Jeff Bondono)
√	0403	18h 51m 06s	-06° 16' 00''	Sct	OCL			Wild Duck Cluster	M11 (Smyth)
√	0404	18h 53m 36s	+33° 01' 60''	Lyr	PNE			Ring Nebula	M57
√	0405	18h 54m 30s	+36° 54' 00''	Lyr	OCL			Delta Lyrae Cluster	CDSO154 Stephenson 1 open cluster (SIMBAD, Archinal/Hynes)
√	0406	18h 54m 60s	-30° 30' 60''	Sgr	GXY			SagDEG	CDSO403 Sagittarius Dwarf Elliptical Galaxy in Local Group
√	0407	19h 02m 36s	+00° 27' 00''	Aql	PNE			Phantom Streak	NGC6741 (Deep Sky List)
√	0408	19h 10m 54s	-59° 59' 00''	Pav	GCL			Pavo Globular	NGC6752
√	0409	19h 25m 24s	+20° 10' 60''	Vul	OCL			4-5 Vulpeculae Cluster	CDSO1 (AKA: Cr399) Collinder 399 open cluster, also Coathanger Cl., Al Sufi's Cl., Brocchi's Cl.

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0410	19h 25m 24s	+20° 10' 60"	Vul	OCL			Al Sufi's Cluster	CDSO7 (AKA: Cr399) Collinder 399 open cluster, also Coathanger Cl., Brocchi's Cl., 4-5 Vul Cl.
√	0411	19h 25m 24s	+20° 10' 60"	Vul	OCL			Brocchi's Cluster	CDSO65 (AKA: Cr399) Collinder 399 open cluster, also Coathanger Cl., Al Sufi's Cl., 4-5 Vul Cl.
√	0412	19h 25m 24s	20° 10' 60"	Vul	OCL			Coathanger Cluster	CDSO119 (AKA: Cr399) Collinder 399 open cluster, also Brocchi's Cl., Al Sufi's Cl., 4-5 Vul Cl.
√	0413	19h 29m 54s	-17° 40' 60"	Sgr	GXY			Kowal's Object	CDSO269 (AKA: PGC63287)
√	0414	19h 30m 00s	-17° 40' 60"	Sgr	GXY			SagDIG	CDSO404 Sagittarius Dwarf Irregular Galaxy, Sagittarius Dwarf in Local Group
√	0415	19h 30m 00s	-17° 40' 60"	Sgr	GXY			Sagittarius Dwarf	CDSO406 SagDIG in Local Group
√	0416	19h 34m 48s	+30° 30' 60"	Cyg	STR			Campbell's Star	CDSO81 central star HD 184738 (BD+30 3639) of planetary nebula PK 64-5.1
√	0417	19h 36m 36s	+29° 32' 60"	Cyg	RNE			Footprint Nebula	CDSO193 M1-92 bipolar reflection nebula
√	0418	19h 37m 18s	+46° 23' 00"	Cyg	OCL			Hole in a Cluster	NGC6811 (Scott Houston, from Uranometria)
√	0419	19h 38m 46s	+10° 28' 48"	Aql	DNE			E Nebula [1]	CDSO167 Barnard 142-143, Constellation Aquila Chronicle)
√	0420	19h 40m 41s	+10° 56' 60"	Aql	DNE			E Nebula [2]	CDSO168 (AKA: Barnard143) Barnard 142-143, Constellation Aquila Chronicle)
√	0421	19h 44m 00s	-14° 08' 60"	Sgr	PNE			Little Gem	NGC6818 (Hartung)
√	0422	19h 44m 48s	+50° 31' 60"	Cyg	PNE			Blinking Planetary	NGC6826
√	0423	19h 44m 54s	-14° 48' 00"	Sgr	GXY			Barnard's Galaxy	NGC6822
√	0424	19h 59m 00s	+35° 00' 00"	Cyg	DNE			Fish on the platter nebula	CDSO188 (AKA: Barnard144) B144 dark nebula
√	0425	19h 59m 24s	+40° 43' 00"	Cyg	GXY			Cygnus A	CDSO146 (AKA: MCG+07-41-003) MCG+07-41-003
√	0426	19h 59m 36s	+22° 43' 00"	Vul	PNE			Apple Core Nebula	M27 (J.R. Freeman) also the Dumbbell Nebula

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0427	19h 59m 36s	+22° 43' 00"	Vul	PNE			Diablo Nebula	M27 (Jeff Bondono, Sky Cat 2000), also the Dumbbell Nebula
√	0428	19h 59m 36s	+22° 43' 00"	Vul	PNE			Double-Headed Shot	M27 (Jeff Bondono, Sky Cat 2000), also the Dumbbell Nebula
√	0429	19h 59m 36s	+22° 43' 00"	Vul	PNE			Dumbbell Nebula	M27 also Diablo Nebula (Jeff Bondono), Double-Head Shot (Jeff Bondono), Apple Core Nebula (J.R. Freeman)
√	0430	20h 09m 42s	-66° 13' 00"	Pav	GXY			McLeish's Object	CDSO306 ESO 105-026
√	0431	20h 12m 00s	+26° 29' 00"	Vul	OCL			20 Vulpeculae Cluster	NGC6885 (Archinal/Hynes)
√	0432	20h 12m 06s	+38° 20' 60"	Cyg	PNE			Crescent Nebula	NGC6888
√	0433	20h 22m 12s	+40° 15' 00"	Cyg	PNE			Gamma Cygni Nebula,Sadr	CDSO200 (AKA: IC1318)
√	0434	20h 22m 24s	+20° 06' 00"	Del	PNE			Blue Flash Nebula	NGC6905 (Deep Sky List)
√	0435	20h 23m 54s	+38° 30' 60"	Cyg	OCL			Cooling Tower	M29 (Jeff Bondono)
√	0436	20h 23m 60s	-44° 00' 00"	Sgr	GXY			Shapley-Ames 5	CDSO436 MCG-07-42-001
√	0437	20h 39m 60s	+42° 00' 00"	Cyg	DNE			Northern Coalsack	CDSO325 dark nebula
√	0438	20h 45m 58s	+30° 35' 42"	Cyg	SNR			Cirrus Nebula [1]	NGC6960 Cygnus SNR, Cygnus Loop, Veil Nebula
√	0439	20h 45m 58s	+30° 35' 42"	Cyg	SNR			Cygnus Loop [1]	NGC6960 Cygnus SNR, Veil Nebula, Cirrus Nebula
√	0440	20h 45m 58s	+30° 35' 42"	Cyg	SNR			Veil Nebula [1]	NGC6960 Cygnus SNR, Cygnus Loop, Cirrus Nebula
√	0441	20h 45m 60s	+30° 36' 00"	Cyg	PNE			Pickering's Triangular N.	NGC6960 part of the Filamentary Nebula
√	0442	20h 45m 60s	+30° 36' 00"	Cyg	SNR			Filamentary Nebula	NGC6960 part of Veil Nebula
√	0443	20h 45m 60s	+30° 36' 00"	Cyg	SNR			Lace-work Nebula	NGC6960 Filamentary Nebula, part of Veil Nebula
√	0444	20h 46m 54s	-12° 51' 00"	Aqr	GXY			Aquarius Dwarf, AqrDIG	CDSO32 DDO 210, MCG -2-53-3, in Local Group
√	0445	20h 47m 50s	+44° 21' 60"	Cyg	PNE			Pelican Nebula [1]	CDSO347 (AKA: IC5067)

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0446	20h 51m 00s	+44° 24' 06"	Cyg	PNE			Pelican Nebula [2]	CDSO348 (AKA: IC5070)
√	0447	20h 56m 19s	+31° 44' 36"	Cyg	ENE			Network Nebula [1]	NGC6992
√	0448	20h 56m 19s	+31° 44' 36"	Cyg	SNR			Cirrus Nebula [2]	NGC6992 Cygnus SNR, Cygnus Loop, Veil Nebula
√	0449	20h 56m 19s	+31° 44' 36"	Cyg	SNR			Cygnus Loop [2]	NGC6992 Cygnus SNR, Veil Nebula, Cirrus Nebula
√	0450	20h 56m 19s	+31° 44' 36"	Cyg	SNR			Veil Nebula [2]	NGC6992 Cygnus SNR, Cygnus Loop, Cirrus Nebula
√	0451	20h 57m 10s	+31° 14' 06"	Cyg	ENE			Network Nebula [2]	NGC6995
√	0452	20h 57m 10s	+31° 14' 06"	Cyg	SNR			Cirrus Nebula [3]	NGC6995 Cygnus SNR, Cygnus Loop, Veil Nebula
√	0453	20h 57m 10s	+31° 14' 06"	Cyg	SNR			Cygnus Loop [3]	NGC6995 Cygnus SNR, Veil Nebula, Cirrus Nebula
√	0454	20h 57m 10s	+31° 14' 06"	Cyg	SNR			Veil Nebula [3]	NGC6995 Cygnus SNR, Cygnus Loop, Cirrus Nebula
√	0455	20h 59m 18s	+44° 30' 60"	Cyg	DNE			Gulf of Mexico	NGC7000 dark nebula in NGC 7000, the North America Nebula
√	0456	20h 59m 18s	+44° 30' 60"	Cyg	ENE			North America Nebula	NGC7000
√	0457	21h 02m 18s	+36° 42' 00"	Cyg	PNE			Cygnus Egg	CDSO147 CRL 2688, AFGL 2688 planetary nebula also Egg N.
√	0458	21h 02m 18s	+36° 42' 00"	Cyg	PNE			Egg Nebula	CDSO171 CRL 2688, AFGL 2688, PK 80-6.1 planetary nebula also Cygnus Egg
√	0459	21h 04m 12s	-11° 22' 00"	Aqr	PNE			Saturn Nebula	NGC7009
√	0460	21h 23m 12s	+45° 45' 60"	Cyg	GXY			Shapley-Ames 6	CDSO437
√	0461	21h 29m 58s	+12° 10' 02"	Peg	GCL			Great Pegasus Cluster	M15
√	0462	21h 30m 00s	+48° 59' 00"	Cyg	OCL			Anon Platais	CDSO20 (AKA: OVOC1649) Open Cluster with Cepheid V1726 Cyg (U II 2000.0)
√	0463	21h 33m 24s	+00° 22' 60"	Aqr	NonExist			Baxendall's Nebula	NGC7088 Baxendall's unphotographable Nebula

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√	0464	21h 37m 06s	+57° 29' 00"	Cep	DNE			Elephant Trunk	CDSO174 Nebula in IC 1396 cluster
√	0465	21h 43m 00s	+66° 07' 00"	Cep	OCL			Small Cluster Nebula	NGC7129 (RASC)
√	0466	21h 46m 30s	-21° 14' 00"	Cap	GCL			Capricorn Dwarf	CDSO84 (AKA: Pal12) UGCA 421, A 2144 Globular Cluster Palomar 12 (former Local Group galaxy suspect)
√	0467	21h 53m 30s	+47° 15' 60"	Cyg	OCL			Cocoon Nebula	CDSO121 (AKA: IC5146)
√	0468	22h 02m 42s	+42° 16' 60"	Lac	STR			BL Lacertae	CDSO37 (AKA: BL Lac)
√	0469	22h 14m 42s	-69° 22' 00"	Ind	GXY			Southern Integral Sign	CDSO452 (AKA: IC5173)
√	0470	22h 20m 42s	-24° 40' 60"	Aqr	GXY			Atom For Peace Galaxy	NGC7252 Arp 226
√	0471	22h 29m 36s	-20° 50' 00"	Aqr	PNE			Helix Nebula	NGC7293
√	0472	22h 29m 36s	-20° 50' 00"	Aqr	PNE			Sunflower Nebula	NGC7293 (Deep Sky List), also Helix N
√	0473	22h 35m 52s	+33° 56' 41"	Peg	GXY			Stephan's Quintet [1]	NGC7317 Arp 319
√	0474	22h 35m 58s	+33° 57' 58"	Peg	GXY			Stephan's Quintet [2]	NGC7318 Arp 319
√	0475	22h 36m 04s	+33° 56' 54"	Peg	GXY			Stephan's Quintet [4]	NGC7320 Arp 319
√	0476	22h 36m 04s	+33° 58' 33"	Peg	GXY			Stephan's Quintet [3]	NGC7319 Arp 319
√	0477	22h 39m 36s	+03° 21' 00"	Peg	Quasar			Einstein Cross	CDSO173 G 2237+0305 gravitational lens
√	0478	22h 41m 42s	-64° 24' 60"	Tuc	GXY			Tucana Dwarf	CDSO500 dSph Galaxy in Local Group
√	0479	22h 56m 48s	+62° 36' 60"	Cep	DNE			Cave Nebula	CDSO97 Sh2-155 Diffuse Nebula
√	0480	23h 16m 11s	-42° 35' 05"	Gru	GXY			Grus Quartet [1]	NGC7552
√	0481	23h 18m 23s	-42° 22' 14"	Gru	GXY			Grus Quartet [2]	NGC7582
√	0482	23h 18m 55s	-42° 14' 22"	Gru	GXY			Grus Quartet [3]	NGC7590
√	0483	23h 19m 21s	-42° 15' 25"	Gru	GXY			Grus Quartet [4]	NGC7599
√	0484	23h 20m 42s	+61° 11' 00"	Cas	ENE			Bubble Nebula	NGC7635
√	0485	23h 23m 24s	+58° 49' 60"	Cas	SNR			Cassiopeia A	CDSO92 3C 461. SNR and strongest radio

Named Objects *Observer's Checklist*

Observer:

√	ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES source in sky
√	0486	23h 24m 48s	+61° 35' 36"	Cas	OCL			Salt-and-Pepper Clusters [3]	M52 (Jeff Bondono and Hartmut Frommert)
√	0487	23h 24m 48s	+61° 35' 36"	Cas	OCL			Scorpion, The	M52 Also Cassiopeia Salt-and-Pepper
√	0488	23h 24m 48s	+61° 35' 60"	Cas	OCL			Cassiopeia Salt-and-Pepper	M52 (H. Frommert and Jeff Bondono), Also Scorpion, The
√	0489	23h 24m 48s	+61° 35' 60"	Cas	OCL			October Salt-and-Pepper	M52 (Jeff Bondono and H. Frommert)
√	0490	23h 25m 54s	+42° 31' 60"	And	PNE			Blue Snowball	NGC7662
√	0491	23h 28m 30s	+14° 44' 00"	Peg	GXY			Pegasus Dwarf	CDSO345 DDO 216, UGC 12613 in Local Group
√	0492	23h 37m 42s	+30° 07' 60"	Peg	GXY			Barbon's Galaxy	CDSO43 Markarian 328, Zwicky 497.042
√	0493	23h 51m 42s	+24° 36' 00"	Peg	GXY			Andromeda VI	CDSO17 also Pegasus dSph, in Local Group
√	0494	23h 51m 42s	+24° 36' 00"	Peg	GXY			Pegasus dSph	CDSO346 also Andromeda VI, in Local Group