

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 7814		Electric Arc Galaxy	8/11/2002	0:56	WUTS	1	NGC 7814	SA(s)ab:sp	0
NGC 55	D 507	String of Pearls	10/27/2008	22:40	DAS Site	2	NGC 55	SBm	0
Kron 7			4/8/2016	19:27	OzSky	3	Kron 7		0
NGC 104	D 18	47 Tucanae	4/1/2016	20:15	OzSky	4	NGC 104	III	0
NGC 134			10/27/2008	22:29	DAS Site	5	NGC 134	SAB(s)bc	0
HR 126	Lac 119	Beta Tucanae	4/3/2016	18:55	OzSky	6	HR 126		0
NGC 157			9/30/2002	23:38	Okie-Tex SP	7	NGC 157	SAB(rs)bc	0
ESO 350-40		Cartwheel Galaxy				8	ESO 350-40	S	0
M 110	NGC 205	Andromeda Galaxy Companion	12/21/1987	19:50	TAS Site	9	M 110	E5 pec	0
M 31	NGC 224	Andromeda Galaxy	11/29/1986	18:30	TAS Site	10	M 31	SA(s)b II	0
M 32	NGC 221	Andromeda Galaxy Companion	11/29/1986	18:35	TAS Site	11	M 32	cE2	0
NGC 246		Pac Man Nebula	10/5/1999	22:50	Okie-Tex SP	12	NGC 246	PN	0
NGC 247		Milkweed Seed Galaxy	10/27/2008	22:00	DAS Site	13	NGC 247	SBcd	0
NGC 253		Silver Coin Galaxy	10/18/2009	0:36	Keota, CO	14	NGC 253	SBc	0
NGC 288			10/27/2008	22:11	DAS Site	15	NGC 288	X	0
NGC 292		Small Magellanic Cloud (SMC)	4/2/2016	20:23	OzSky	16	NGC 292	SB(s)mP	0
NGC 300	D 530		10/27/2008	22:44	DAS Site	17	NGC 300	Scd	0
NGC 330			4/2/2016	20:36	OzSky	18	NGC 330		0
NGC 346	D 25		4/2/2016	20:56	OzSky	19	NGC 346	OCL	0
ESO 351-30		Sculptor Dwarf Galaxy				20	ESO 351-30	E	1
NGC 362	D 62		4/6/2016	19:45	OzSky	21	NGC 362	III	1
NGC 371			4/2/2016	20:47	OzSky	22	NGC 371	EN+Cluster	1
IC 1613		The Scarecrow	9/25/2003	2:06	Okie-Tex SP	23	IC 1613	IB(s)m V	1
NGC 419			4/2/2016	20:23	OzSky	24	NGC 419		1
IC 1633						25	IC 1633	E1	1
NGC 404		Mirach's Ghost	9/30/2006	3:18	Crow Valley	26	NGC 404	SA(s)O-	1
HR 423	HD8879	R Sculptoris				27	HR 423		1
M 33	NGC 598	Triangulum or Pinwheel Galaxy	12/21/1987	20:06	TAS Site	28	M 33	SA(s)cd II-III	1
NGC 613			10/27/2008	22:21	DAS Site	29	NGC 613	SBrabc	1
NGC 681			8/19/2012	3:45	DAS Site	30	NGC 681	SAB(s)absp	1
M 74	NGC 628		12/21/1987	18:20	TAS Site	31	M 74	SA(s)c	1
NGC 2573		Polarissima Australis	4/3/2016	22:46	OzSky	32	NGC 2573	SABscd	1
NGC 615			1/17/2014	21:21	CSAC	33	NGC 615	SA(rs)b	1
HR 545		Mesarthim (Gamma Aries)	12/3/2001	22:00	DAS Site	34	HR 545		1
NGC 720			10/1/2002	0:02	Okie-Tex SP	35	NGC 720	E5	1
NGC 752			9/30/2002	22:22	Okie-Tex SP	36	NGC 752	II 2 r	1
NGC 772			8/10/2002	3:33	WUTS	37	NGC 772	Sb I	1
HR 596	Alrischca	Alrischca (Alpha Piscium)	12/1/2001	22:08	LTO	38	HR 596		2

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HR 681	HIP 10826	Mira (Omicron Ceti)				39	HR 681		2
NGC 891			10/17/2009	22:09	Keota, CO	40	NGC 891	Sb	2
NGC 908			10/1/2002	0:06	Okie-Tex SP	41	NGC 908	Sc I	2
NGC 936			10/1/2002	0:08	Okie-Tex SP	42	NGC 936	SB0-a	2
ESO 356-04		Fornax Dwarf Galaxy	1/15/2015	19:55	CSAC	43	ESO 356-04	E	2
NGC 1049			1/15/2015	20:04	CSAC	44	NGC 1049		2
NGC 1023			1/23/2012	20:45	CSAC	45	NGC 1023	E/SB0	2
NGC 1055			10/1/2002	0:15	Okie-Tex SP	46	NGC 1055	Sb II-III	2
M 34	NGC 1039		12/21/1987	20:43	TAS Site	47	M 34	II3r	2
M 77	NGC 1068		12/21/1987	20:55	TAS Site	48	M 77	Sb	2
HR 804		Kaffajidhma (Gamma Cetus)	12/1/2001	22:24	LTO	49	HR 804		2
NGC 1073			10/23/2006	21:46	Crow Valley	50	NGC 1073	SBc II	2
NGC 1097	h 2495		12/28/2008	20:26	DAS Site	51	NGC 1097	SBb	2
HR 897		Acamar (Theta Eridanus)				52	HR 897		2
NGC 1232			12/28/2008	19:57	DAS Site	53	NGC 1232	SBc	3
HR 977	HD20234	TW Horologium				54	HR 977		3
NGC 1261	D 337		4/2/2016	21:06	OzSky	55	NGC 1261	II	3
NGC 1291	D 487		1/17/2015	20:54	CSAC	56	NGC 1291	SB0-a	3
NGC 1313	D 206		4/8/2016	19:23	OzSky	57	NGC 1313	SBcd	3
NGC 1300			1/16/2009	18:45	DAS Site	58	NGC 1300	SBb I	3
NGC 1316	D 548		12/28/2008	20:16	DAS Site	59	NGC 1316	SB0	3
NGC 1350			1/16/2009	19:11	DAS Site	60	NGC 1350	Sba-b	3
NGC 1360			2/25/2006	19:19	Crow Valley	61	NGC 1360	PN	3
NGC 1365	D 562		1/15/2015	20:31	CSAC	62	NGC 1365	SBb	3
NGC 1380	D 574		10/18/2009	1:43	Keota, CO	63	NGC 1380	SB0	3
NGC 1387			1/16/2009	19:11	DAS Site	64	NGC 1387	SB0	3
NGC 1395			1/21/2012	20:46	CSAC	65	NGC 1395	E2	3
NGC 1398			1/16/2009	18:55	DAS Site	66	NGC 1398	SBab	3
NGC 1399	h 2569		1/25/2017	20:34	CSAC	67	NGC 1399	E1	3
NGC 1404			1/9/2010	18:53	DAS Site	68	NGC 1404	E1	3
NGC 1407			10/5/2002	0:29	Okie-Tex SP	69	NGC 1407	E-S0	3
NGC 1433	D 426		4/7/2016	19:10	OzSky	70	NGC 1433	SBa	3
IC 348			10/26/2013	21:44	DAS Site	71	IC 348	III2pn	3
NGC 1435		Merope Nebula	1/11/2021	20:28	LTO	72	NGC 1435	RN	3
M 45		Pleiades	11/29/1986	18:50	TAS Site	73	M 45	OC	3

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 1499		California Nebula	10/26/2013	22:01	DAS Site	74	NGC 1499	EN	4
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 1512			4/6/2016	20:28	OzSky	75	NGC 1512	SB(r:)b	4
NGC 1515			4/6/2016	20:30	OzSky	76	NGC 1515	Sc	4
NGC 1514			2/25/2006	21:27	Crow Valley	77	NGC 1514	PN	4
NGC 1532			2/3/2005	21:16	John Martin	78	NGC 1532	Sc II-III	4
NGC 1543						79	NGC 1543	SB0	4
NGC 1535		Cleopatra's Eye	10/5/2002	0:35	Okie-Tex SP	80	NGC 1535	PN	4
NGC 1549	h 2629		4/1/2016	21:15	OzSky	81	NGC 1549	E0	4
NGC 1553	D 331		4/6/2016	20:41	OzSky	82	NGC 1553	S0	4
NGC 1559			4/6/2016	20:45	OzSky	83	NGC 1559	SBc	4
NGC 1566	D 338		4/3/2016	19:50	OzSky	84	NGC 1566	SBbc	4
Cr 50		Hyades (Melotta 25)	12/29/2008	23:15	DAS Site	85	Cr 50		4
NGC 1579			10/26/2013	21:51	DAS Site	86	NGC 1579	EN+RN	4
NGC 1617			4/6/2016	21:10	OzSky	87	NGC 1617	Sba	4
HR 1475		h 3670	4/6/2016	19:32	OzSky	88	HR 1475		4
Reticulum Dwarf	ESO 118-31		4/6/2016	19:29	OzSky	89	Reticulum Dwarf		4
HR 1492	HD29712	R Doradus	4/6/2016	19:34	OzSky	90	HR 1492		4
NGC 1672			4/6/2016	19:35	OzSky	91	NGC 1672	SBc I-II	4
NGC 1647			10/6/1999	1:19	Okie-Tex SP	92	NGC 1647		4
Dunlop 18		Iota Pictoris				93	Dunlop 18		4
NGC 1763	D 230		4/4/2016	21:37	OzSky	94	NGC 1763	EN+Clusters	4
HR 1607	HD31996	Hind's Crimson Star (R Leporis)	1/6/2011	20:27	LTO	95	HR 1607		4
NGC 1783			4/4/2016	20:11	OzSky	96	NGC 1783		4
NGC 1818			4/8/2016	19:15	OzSky	97	NGC 1818		5
HR 1648	HD32736	W Orionis	1/6/2011	20:27	LTO	98	HR 1648		5
NGC 1792			12/28/2008	21:39	DAS Site	99	NGC 1792	Sc	5
NGC 1788			10/5/2002	2:09	Okie-Tex SP	100	NGC 1788	RN	5
NGC 1808	D 532		12/28/2008	21:34	DAS Site	101	NGC 1808	SBa	5
NGC 1850			4/4/2016	22:02	OzSky	102	NGC 1850		5
HD 33793	VZ Pictoris	Kapteyn's Star				103	HD 33793		5
NGC 1866			4/5/2016	19:26	OzSky	104	NGC 1866		5
HR 1713		Rigel (Beta Orionis)	12/1/2001	22:52	LTO	105	HR 1713		5
NGC 1851	D 508		2/24/2009	18:59	DAS Site	106	NGC 1851	II	5
IC 405		Flaming Star Nebula	10/26/2013	23:04	DAS Site	107	IC 405	3:2:3	5
IC 410			1/5/2013	10:01	LTO	108	IC 410	II3rn	5

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			Date	Time	Location				hr
LMC	ESO 56-115	Large Magellanic Cloud (LMC)	4/1/2016	21:08	OzSky	109	LMC	SBm	5
HR 1788		Eta Orionis	3/3/2024	20:14	CSAC	110	HR 1788		5
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
M 79	NGC 1904		2/13/1988	20:05	TAS Site	111	M 79	V	5
NGC 1955			4/1/2016	21:49	OzSky	112	NGC 1955	OCL+EN	5
NGC 1962			4/6/2016	20:05	OzSky	113	NGC 1962		5
IC 418		Red Planetary or Spirograph Nebula	2/3/2005	19:10	John Martin	114	IC 418	IV	5
NGC 1968			4/5/2016	20:14	OzSky	115	NGC 1968	OCL+EN	5
M 38	NGC 1912		11/29/1986	19:10	TAS Site	116	M 38	II2r	5
NGC 1931			20/26/2013	23:24	DAS Site	117	NGC 1931	OCL+EN	5
HR 1851		Delta Orionis	3/3/2024	20:32	CSAC	118	HR 1851		5
M 1	NGC 1952	Crab Nebula	2/13/1988	20:49	TAS Site	119	M 1	SNR	5
Cr 69		Lambda Orionis Cluster	1/1/2006	21:06	Kim's Place	120	Cr 69		5
HR 1887	ADS 4182	Struve 747	12/3/2001	23:00	DAS Site	121	HR 1887		5
HR 1892		42 Orionis	3/3/2024	20:21	CSAC	122	HR 1892		5
HR 1893	ADS 4186	Trapezium (Theta Orionis)	1/10/2002	21:21	LTO	123	HR 1893		5
HR 1899		Nair Al Saif (Iota Orionis)	1/10/2002	21:28	LTO	124	HR 1899		5
M 42	NGC 1976	Orion Nebula	12/21/1987	23:32	TAS Site	125	M 42	EN+RN	5
M 43	NGC 1982	Part of Orion Nebula complex	12/21/1987	21:02	TAS Site	126	M 43		5
NGC 1977		The Running Man	10/26/2013	23:30	DAS Site	127	NGC 1977		5
NGC 1980		Iota Orionis Cluster	12/28/2008	23:29	DAS Site	128	NGC 1980	III3mn	5
NGC 1981			1/1/2006	21:36	Kim's Place	129	NGC 1981	III3pn	5
M 36	NGC 1960		11/29/1986	19:00	TAS Site	130	M 36	I3r	5
HR 1931		Sigma Orionis	1/10/2022	21:34	LTO	131	HR 1931		5
NGC 2070	D 142	Tarantula Nebula	4/1/2016	20:08	OzSky	132	NGC 2070	EN	5
NGC 2074			4/1/2016	21:58	OzSky	133	NGC 2074	EN	5
HR 1948		Alnitak (Zeta Orionis)	1/10/2022	21:38	LTO	134	HR 1948		5
IC 434	B33	Reflection Nebula and Horsehead Nebula (B33)	1/21/2014	21:34	DAS Site	135	IC 434	3:2:3	5
NGC 2023			2/13/1988	21:28	TAS Site	136	NGC 2023	EN+RN	5
NGC 2024		Flame Nebula	12/28/2008	23:23	DAS Site	137	NGC 2024	EN	5
NGC 2022			2/25/2006	19:26	Crow Valley	138	NGC 2022	PN	5
M 78	NGC 2068		2/13/1988	21:00	TAS Site	139	M 78	RN	5
M 37	NGC 2099		11/29/1986	19:05	TAS Site	140	M 37	I2r	5
IC 2149			2/25/2006	23:21	Crow Valley	141	IC 2149	3b(2)	5
NGC 2158			1/1/2006	21:44	Kim's Place	142	NGC 2158	II3r	6

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
M 35	NGC 2168		2/13/1988	21:22	TAS Site	143	M 35	III3r	6
NGC 2169		The "37" Cluster	1/1/2006	21:24	Kim's Place	144	NGC 2169	III3m	6
NGC 2174			2/12/2013	21:13	LTO	145	NGC 2174	EN	6
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 2214			4/6/2016	19:34	OzSky	146	NGC 2214		6
HR 2308	HD44984	BL Orionis	1/6/2011	21:42	LTO	147	HR 2308		6
HR 2356		Beta Monocerotiss	1/10/2002	21:58	LTO	148	HR 2356		6
NGC 2232			1/20/2006	21:19	Keota, CO	149	NGC 2232	III2p	6
HR 2384	Dunlop 30	Rumker 65				150	HR 2384		6
NGC 2243			3/3/2024	20:02	CSAC	151	NGC 2243	I2r	6
NGC 2237		Rosette Nebula	1/21/2014	20:14	DAS Site	152	NGC 2237	EN	6
NGC 2244		Rosette Nebula Cluster	1/1/2006	21:53	Kim's Place	153	NGC 2244	III2mn	6
NGC 2261		Hubble's Variable Nebula	1/25/2017	20:50	CSAC	154	NGC 2261	Variable RN	6
NGC 2264		Christmas Tree Cluster + Cone Nebula	12/28/2008	23:40	DAS Site	155	NGC 2264	III3mn	6
HR 2491		Sirius (Alpha Canis Majoris)	1/12/2023	20:06	LTO	156	HR 2491		6
M 41	NGC 2287		4/4/1987	20:00	TAS Site	157	M 41	I3r	6
NGC 2298	D 578		4/6/2016	20:16	OzSky	158	NGC 2298	VI	6
NGC 2301		The Slingshot Cluster	2/24/2009	19:09	DAS Site	159	NGC 2301	I3r	6
HR 2591	HD51208	NP Puppis	3/5/2024	19:53	CSAC	160	HR 2591		6
HR 2618	Adhara	Adhara (Epsilon Canis Majoris)	1/10/2002	22:03	LTO	161	HR 2618		6
M 50	NGC 2323		2/13/1988	21:43	TAS Site	162	M 50	II3r	7
NGC 2327		Seagull Nebula	2/12/2013	21:25	LTO	163	NGC 2327	EN	7
NGC 2346			1/25/2017	20:54	CSAC	164	NGC 2346	3b(4)	7
NGC 2353			10/5/2002	4:37	Okie-Tex SP	165	NGC 2353	III3p	7
HR 2764		h 3945	9/26/2011	5:53	DAS Site	166	HR 2764		7
Cr 135		Pi Puppis Cluster	4/2/2024	20:04	LTO	167	Cr 135		7
NGC 2360			4/3/2003	20:17	DAS Site	168	NGC 2360	I3r	7
NGC 2359		Thors' Helmut	1/21/2012	0:20	CSAC	169	NGC 2359	EN	7
NGC 2362		Tau Canis Majoris Cluster (Northern Jewel Box)	4/3/2003	20:09	DAS Site	170	NGC 2362	I3r	7
NGC 2371			2/25/2006	23:37	Crow Valley	171	NGC 2371	PN	7
NGC 2392		Eskimo Nebula	3/12/1988	20:25	TAS Site	172	NGC 2392	PN	7
HD 60997	ADS 6216	Struve 1121	4/2/2024	19:57	LTO	173	HD 60997		7
M 47	NGC 2422		2/13/1988	22:00	TAS Site	174	M 47	I3m	7
NGC 2442		The Meathook	4/6/2016	20:19	OzSky	175	NGC 2442	Sc I-II	7
HR 2949		k Puppis	3/5/2024	20:18	CSAC	176	HR 2949		7

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NGC 2419		Intergalactic Tramp	2/24/2001	21:34	LTO	177	NGC 2419	2	7
NGC 2439			2/8/2008	20:42	Crow Valley	178	NGC 2439	II3r	7
M 46	NGC 2437		2/13/1988	21:56	TAS Site	179	M 46	II2r	7
NGC 2438			2/25/2006	21:53	Crow Valley	180	NGC 2438	PN	7
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 2440			2/25/2006	21:56	Crow Valley	181	NGC 2440	PN	7
M 93	NGC 2447		2/13/1998	21:48	TAS Site	182	M 93	I3r	7
NGC 2451			4/7/2016	0:36	OzSky	183	NGC 2451	II2m	7
NGC 2467			2/3/2005	23:01	John Martin	184	NGC 2467	OCL+EN	7
NGC 2477	D 535		4/6/2016	0:45	OzSky	185	NGC 2477	I2r	7
IC 2220		Toby Jug Nebula	4/6/2016	20:21	OzSky	186	IC 2220	SR	7
NGC 2489			4/26/2003	21:21	Sterling SP	187	NGC 2489	I2m	7
NGC 2516	L II.3	Southern Beehive	4/1/2016	22:01	OzSky	188	NGC 2516	I3r	7
NGC 2506			10/5/2002	4:44	Okie-Tex SP	189	NGC 2506	I2r	8
NGC 2527			4/3/2003	20:39	DAS Site	190	NGC 2527	III1p	8
Dunlop 65	HR3206	Suhail al Muhlif (Gamma Velorum)	3/5/2024	20:13	CSAC	191	Dunlop 65		8
NGC 2539			2/24/2009	20:20	DAS Site	192	NGC 2539	III2m	8
NGC 2547	D 410		1/23/2012	23:30	CSAC	193	NGC 2547	I3rn	8
NGC 2546			3/12/2010	19:39	DAS Site	194	NGC 2546	III2m	8
M 48	NGC 2548		2/13/1988	22:07	TAS Site	195	M 48	I3r	8
NGC 2613			4/21/2009	20:49	DAS Site	196	NGC 2613	Sc II	8
NGC 2627			3/12/2010	19:39	DAS Site	197	NGC 2627	II2r	8
IC 2391		Omicron Velorum Cluster	4/1/2016	22:09	OzSky	198	IC 2391	II3m	8
M 44	NGC 2632	Beehive Cluster or Praesepe	2/13/1988	22:08	TAS Site	199	M 44	II3m	8
IC 2395			4/1/2016	22:17	OzSky	200	IC 2395	II3m	8
NGC 2659			4/6/2013	22:20	CSAC	201	NGC 2659	III2r	8
HR 3485		Delta Velorum	3/5/2024	21:06	CSAC	202	HR 3485		8
NGC 2670			1/23/2012	23:35	CSAC	203	NGC 2670	III2m	8
HR 3475	Struve 1268	Iota Cancri	1/10/2002	22:29	LTO	204	HR 3475		8
NGC 2669			4/1/2016	22:24	OzSky	205	NGC 2669	III3m	8
NGC 2671			4/6/2013	22:29	CSAC	206	NGC 2671	I2m	8
Cr 203		Trumpler 10	3/5/2024	22:48	CSAC	207	Cr 203		8
M 67	NGC 2682		2/13/1988	22:14	TAS Site	208	M 67	II3r	8
NGC 2683			4/21/2009	21:36	DAS Site	209	NGC 2683	Sb II-II	8
NGC 2736		The Pencil. Part of Vela Supernova Remnant	3/24/2014	23:19	CSAC	210	NGC 2736		9
NGC 2775			1/23/2012	0:52	CSAC	211	NGC 2775	Sa	9

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NGC 2808	D 265		4/1/2016	22:42	OzSky	212	NGC 2808	I	9
NGC 2818	D 564		4/4/2016	22:54	OzSky	213	NGC 2818	OC+PN	9
NGC 2867			4/1/2016	22:56	OzSky	214	NGC 2867	4	9
IC 2488			4/4/2016	21:46	OzSky	215	IC 2488	II3r	9
NGC 2899			4/5/2016	0:03	OzSky	216	NGC 2899		9
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
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NGC 2910			4/3/2016	19:50	OzSky	217	NGC 2910	III3m	9
NGC 2903			4/8/2010	21:51	Keota, CO	218	NGC 2903	Sb/Sc I-II	9
NGC 2925			4/4/2016	21:50	OzSky	219	NGC 2925	II3m	9
NGC 2972						220	NGC 2972	II1p	9
NGC 2997	D 622		4/21/2009	21:07	DAS Site	221	NGC 2997	Sc I	9
HD 85405		Y Hydra	3/5/2024	20:02	CSAC	222	HD 85405		9
NGC 3114	D 297		4/8/2016	20:03	OzSky	223	NGC 3114	II3r	10
NGC 3109		The Wisp	5/10/2010	22:48	TSP	224	NGC 3109	SB(s)msp IV-V	10
NGC 3115		Spindle Galaxy	4/4/2016	22:38	OzSky	225	NGC 3115	E-S0	10
NGC 3132	h 3228	Eight Burst Nebula	4/5/2016	0:28	OzSky	226	NGC 3132	4(2)	10
NGC 3195	h 3241		4/2/2016	21:54	OzSky	227	NGC 3195	PN	10
NGC 3187			4/21/2009	22:12	DAS Site	228	NGC 3187	S	10
NGC 3199	D 332	Southern Crescent	4/4/2016	22:46	OzSky	229	NGC 3199	EN	10
NGC 3201	D 445		4/4/2016	22:50	OzSky	230	NGC 3201	10	10
NGC 3184			1/23/2012	20:24	Sterling SP	231	NGC 3184	Sc II	10
NGC 3190			4/21/2009	22:12	DAS Site	232	NGC 3190	Sa II-III	10
HR 4057		Algieba (Gamma Leonis)	6/23/2001	21:25	LTO	233	HR 4057		10
NGC 3228			4/5/2016	0:24	OzSky	234	NGC 3228	II3p	10
NGC 3242		Ghost of Jupiter	3/18/2007	1:59	Crow Valley	235	NGC 3242	PN	10
NGC 3247			4/2/2016	22:27	OzSky	236	NGC 3247	III2p	10
HR 4143		t Velorum	4/7/2024	21:48	Mena. AR	237	HR 4143		10
HR 4153	HD91793	U Antlia	4/2/2024	21:55	LTO	238	HR 4153		10
NGC 3293	D 321	The Gem Cluster	4/2/2016	22:36	OzSky	239	NGC 3293	I3r	10
HR 4163	HD92055	U Hydra	4/2/2024	21:57	LTO	240	HR 4163		10
NGC 3324			4/5/2016	23:27	OzSky	241	NGC 3324	I3rn	10
HR 4177	Dunlop 94		4/2/2016	21:49	OzSky	242	HR 4177		10
HR 4180	Dunlop 95	x Velorum				243	HR 4180		10
Cr 227		Melotte 101	4/4/2016	22:49	OzSky	244	Cr 227		10
IC 2602		Southern Pleiades	4/2/2016	22:49	OzSky	245	IC 2602	I3r	10
M 95	NGC 3351		5/12/1988	0:55	TSP	246	M 95	SBb II	10

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 3344			5/10/2010	23:20	TSP	247	NGC 3344	SC II	10
NGC 3372	D 309	Eta Carina Nebula	4/8/2016	20:00	OzSky	248	NGC 3372	EN	10
M 96	NGC 3368		5/12/1988	0:50	TSP	249	M 96	Sa/Sb	10
M 105	NGC 3379		5/12/1988	0:46	TSP	250	M 105	E1	10
NGC 3384			5/12/1988	0:46	TSP	251	NGC 3384	E-S0	10
BD-20 3283	HIP 53085	V Hydra	4/2/2024	21:58	LTO	252	BD-20 3283		10
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 3486			5/10/2010	23:25	TSP	253	NGC 3486	Sc II	11
NGC 3521			4/9/2010	0:25	Keota, CO	254	NGC 3521	SB II	11
NGC 3532	D 323	Football Cluster	4/2/2016	22:55	OzSky	255	NGC 3532	II3r	11
NGC 3572			4/2/2016	23:00	OzSky	256	NGC 3572	II3mn	11
NGC 3576		Little Tarantula	4/1/2016	20:42	OzSky	257	NGC 3576	EN	11
NGC 3603			4/4/2016	23:59	OzSky	258	NGC 3603	II3mn	11
NGC 3607			2/25/2006	1:34	Keota, CO	259	NGC 3607	E-S0	11
IC 2714			4/5/2016	0:19	OzSky	260	IC 2714	II2r	11
M 65	NGC 3623		6/27/1987	22:15	TAS Site	261	M 65	Sa II	11
NGC 3621	D 617		5/10/2010	22:58	TSP	262	NGC 3621	Sc	11
Cr 246		Melotte 105	4/5/2016	21:40	OzSky	263	Cr 246		11
M 66	NGC 3627		6/27/1987	22:20	TAS Site	264	M 66	Sb II	11
NGC 3626			4/25/2003	23:54	Sterling SP	265	NGC 3626	S0/Sa	11
NGC 3628			4/9/2010	0:40	Keota, CO	266	NGC 3628	Sb	11
NGC 3699	h 3345		4/2/2016	23:05	OzSky	267	NGC 3699	PN	11
IC 2944		Lambda Centauri Cluster	4/5/2016	23:52	OzSky	268	IC 2944	III3mn	11
NGC 3766	D 289		4/2/2016	23:19	OzSky	269	NGC 3766	I3r	11
IC 2948	Frost	Lamda Centauri Nebula (Running Chicken)	4/2/2016	23:15	OzSky	270	IC 2948	EN+OCL	11
NGC 3810			1/24/2012	1:05	CSAC	271	NGC 3810	Sc I	11
NGC 3918	h 3365	Blue Planetary	4/3/2016	23:32	OzSky	272	NGC 3918	PN	11
NGC 3960			4/3/2016	19:47	OzSky	273	NGC 3960	I2m	11
NGC 3923			5/10/2010	23:03	TSP	274	NGC 3923	E	11
NGC 4038		The Antennae	1/21/2012	1:48	CSAC	275	NGC 4038	Sc	12
NGC 4039		The Antennae	1/21/2012	1:48	CSAC	276	NGC 4039	SBm	12
NGC 4052			4/4/2016	22:58	OzSky	277	NGC 4052	III2r	12
NGC 4103	D 291		4/5/2016	1:10	OzSky	278	NGC 4103	I2m	12
NGC 4147			2/24/2001	21:41	LTO	279	NGC 4147	6	12
M 98	NGC 4192		5/13/1988	0:10	TSP	280	M 98	SAB(s)ab II	12
NGC 4214			5/15/2012	1:03	Keota, CO	281	NGC 4214	Irr III-IV	12

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 4216			1/24/2012	0:22	CSAC	282	NGC 4216	SAB(s)b:II	12
NGC 4244		Silver Needle Galaxy	1/23/2012	23:59	CSAC	283	NGC 4244	SA(s)cd:sp IV	12
M 106	NGC 4258		5/13/1988	1:15	TSP	284	M 106	SAB(s)bc II	12
M 99	NGC 4254		5/13/1988	0:13	TSP	285	M 99	SA(s)c I	12
NGC 4275			3/15/2018	22:57	MDO	286	NGC 4275	Sc	12
M 61	NGC 4303		5/12/1988	22:36	TSP	287	M 61	SAB(rs)bc I-II	12
M 100	NGC 4321		5/13/1988	0:33	TSP	288	M 100	SAB(s)bc I	12
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 4337			4/5/2016	1:14	OzSky	289	NGC 4337	II3p	12
NGC 4349			4/5/2016	1:23	OzSky	290	NGC 4349	II2m	12
NGC 4361			4/26/2003	22:27	Sterling SP	291	NGC 4361	3a(2)	12
NGC 4365			4/24/2022	22:59	CSAC	292	NGC 4365	E3	12
Cr 256		Coma Star Cluster (Melotte 111)	1/17/2004	23:06	Keota, CO	293	Cr 256		12
H 5			4/1/2016	23:37	OzSky	294	H 5		12
HD 108105		SS Virginis	4/2/2024	22:02	LTO	295	HD 108105		12
M 84	NGC 4374		5/12/1988	23:56	TSP	296	M 84	E1	12
M 85	NGC 4382		5/14/1988	1:37	TSP	297	M 85	SA(s)+P	12
NGC 4372	D 67		4/4/2016	22:23	OzSky	298	NGC 4372	XII	12
HR 4730		Acrux (Alpha Crucis)	4/1/2016	22:50	OzSky	299	HR 4730		12
M 86	NGC 4406		5/14/1988	23:56	TSP	300	M 86	E3	12
NGC 4449			4/22/2009	1:59	DAS Site	301	NGC 4449	Irr III	12
M 49	NGC 4472		5/12/1988	23:15	TSP	302	M 49	E	12
NGC 4463			4/5/2016	1:29	OzSky	303	NGC 4463	I3m	12
M 87	NGC 4486	Virgo A	5/12/1988	23:53	TSP	304	M 87	E	12
NGC 4485			4/22/2009	1:30	DAS Site	305	NGC 4485	Irr III-IV	12
NGC 4490			4/22/2009	1:30	DAS Site	306	NGC 4490	SBcd	12
Coal Sack	DC 300.7-001.0		4/1/2016	20:10	OzSky	307	Coal Sack	DN	12
M 88	NGC 4501		5/13/1988	23:44	TSP	308	M 88	Sb/Sc I	12
NGC 4494			6/22/2009	23:40	DAS Site	309	NGC 4494	E1	12
NGC 4526			4/26/2003	2:33	Sterling SP	310	NGC 4526	S0	12
H 6			4/2/2016	23:40	OzSky	311	H 6		12
HR 4792		24 Comae	4/2/2024	22:03	LTO	312	HR 4792		12
M 89	NGC 4552		5/12/1988	23:41	TSP	313	M 89	E	12
NGC 4559			5/12/2010	3:07	TSP	314	NGC 4559	Sc II-III	12
M 90	NGC 4569		5/12/1988	23:47	TSP	315	M 90	Sb	12
NGC 4565		The Spindle	3/18/2007	2:24	Crow Valley	316	NGC 4565	Sb I	12

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 4567		Siamese Twins	2/2/2019	1:48	LTO	317	NGC 4567	Sc	12
NGC 4568		Siamese Twins	2/2/2019	1:48	LTO	318	NGC 4568	Sc	12
M 58	NGC 4579		5/12/1988	23:30	TSP	319	M 58	Sb	12
M 104	NGC 4594	Sombrero Hat Galaxy	6/27/1987	22:00	TAS Site	320	M 104	Sb-	12
M 68	NGC 4590		5/13/1988	1:30	TSP	321	M 68	X	12
HR 4819		Gamma Centaurus				322	HR 4819		12
HR 4825		Gamma Virginis	6/23/2001	22:33	LTO	323	HR 4825		12
M 59	NGC 4621		5/12/1988	23:25	TSP	324	M 59	E	12
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 4609		Coalsack Cluster	4/2/2016	23:34	OzSky	325	NGC 4609	II2m	12
NGC 4631			6/22/2009	23:59	DAS Site	326	NGC 4631	Sc III	12
NGC 4636			3/21/2004	2:45	Keota, CO	327	NGC 4636	E	12
M 60	NGC 4649		5/12/1988	23:23	TSP	328	M 60	E	12
HR 4844		Beta Musca	4/1/2016	20:45	OzSky	329	HR 4844		12
EsB 365	DY Crucis	Ruby Crucis	4/1/2016	22:50	OzSky	330	EsB 365		12
NGC 4696		Part of Galaxy Cluster Abell 3526	4/3/2016	23:23	OzSky	331	NGC 4696	S0	12
NGC 4697			3/21/2004	2:27	Keota, CO	332	NGC 4697	E6	12
NGC 4699			5/12/2010	1:39	TSP	333	NGC 4699	SBb	12
NGC 4710			5/12/2010	2:52	TSP	334	NGC 4710	SO-a	12
M 94	NGC 4736		5/13/1988	1:52	TSP	335	M 94	Sb	12
NGC 4725			5/17/2023	2:13	DAS Site	336	NGC 4725	Sb/SBb I	12
NGC 4753			6/22/2009	21:53	DAS Site	337	NGC 4753	S0	12
NGC 4762			5/10/2010	23:36	TSP	338	NGC 4762	SB0	12
NGC 4755	D 301	Jewel Box	4/2/2016	21:33	OzSky	339	NGC 4755	I3r	12
Dunlop 126	HR4898	Mu Crucis				340	Dunlop 126		12
HR 4915	Struve 1692	Cor Caroli (Alpha Canes Venatici)	6/23/2001	22:48	LTO	341	HR 4915		12
M 64	NGC 4826	Black Eye Galaxy	5/13/1988	2:05	TSP	342	M 64	Sb	12
NGC 4815			4/5/2016	1:33	OzSky	343	NGC 4815	I2r	12
NGC 4833	D 164	Southern Butterfly	4/4/2016	22:27	OzSky	344	NGC 4833	VIII	12
NGC 4852			4/5/2016	1:36	OzSky	345	NGC 4852	I3r	13
NGC 4889						346	NGC 4889	E	13
NGC 4945	D 411	The Tweezers Galaxy	4/4/2016	21:07	OzSky	347	NGC 4945	SBc	13
NGC 4976			4/7/2016	2:52	OzSky	348	NGC 4976	S0	13
NGC 5005			6/23/2009	0:14	DAS Site	349	NGC 5005	Sb II	13
M 53	NGC 5024		6/27/1987	23:00	TAS Site	350	M 53	V	13
M 63	NGC 5055	Sunflower Galaxy	5/13/1988	1:48	TSP	351	M 63	Sb II	13

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
HD 115236		UY Centauri				352	HD 115236		13
NGC 5061			5/11/2010	0:00	TSP	353	NGC 5061	E	13
NGC 5068			4/1/2005	22:00	Keota, CO	354	NGC 5068	Sd	13
NGC 5078			4/6/2016	22:33	OzSky	355	NGC 5078	SO	13
NGC 5102	h 3492		4/7/2013	3:23	CSAC	356	NGC 5102	SO	13
NGC 5128	D 482	Centaurus A (Hamburger Galaxy)	4/7/2013	1:00	CSAC	357	NGC 5128	(E0+Sb)	13
NGC 5139	D 440	Omega Centauri	4/7/2013	1:00	CSAC	358	NGC 5139	VIII	13
M 51	NGC 5194	Whirlpool Galaxy	6/27/1987	21:30	TAS Site	359	M 51	Sc I	13
NGC 5189	D 252	Spiral Planetary	4/4/2016	21:02	OzSky	360	NGC 5189	V	13
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
ESO 270-17		Fourcade-Figueroa Object				361	ESO 270-17	Sbs IX	13
M 83	NGC 5236	Southern Pinwheel	5/13/1988	2:15	TSP	362	M 83	SAB(s)c I-II	13
NGC 5248			6/23/2009	1:12	DAS Site	363	NGC 5248	SAB(rs)bc I	13
NGC 5237	ESO 270-22		1/28/2017	4:18	CSAC	364	NGC 5237		13
NGC 5253			5/11/2010	0:53	TSP	365	NGC 5253	ImP	13
M 3	NGC 5272		5/14/1988	1:44	TSP	366	M 3	VI	13
NGC 5281			4/3/2016	0:23	OzSky	367	NGC 5281	I3m	13
NGC 5286	D 388		4/4/2016	0:16	OzSky	368	NGC 5286	V	13
NGC 5316			4/3/2016	0:27	OzSky	369	NGC 5316	II2r	13
NGC 5364			6/12/1988	1:03	TAS Site	370	NGC 5364	Sbc/P	13
HR 5267		Agena / Hadar (Beta Centaurii)	4/1/2016	20:35	OzSky	371	HR 5267		14
NGC 5460			4/4/2016	0:31	OzSky	372	NGC 5460	I3m	14
ESO 97-13		Circinus Dwarf Galaxy	4/1/2016	20:42	OzSky	373	ESO 97-13	SAS3	14
IC 4406	Stewart		5/5/2005	1:24	TSP	374	IC 4406	4(3)	14
NGC 5617	D 302		4/4/2016	0:40	OzSky	375	NGC 5617	I3r	14
NGC 5634			5/6/2005	23:18	TSP	376	NGC 5634	IV	14
NGC 5643			4/7/2016	3:44	OzSky	377	NGC 5643	Sc III	14
He 2-111	ESO 134-7		4/1/2016	21:03	OzSky	378	He 2-111		14
NGC 5662			4/4/2016	0:44	OzSky	379	NGC 5662	II3r	14
HR 5459		Alpha Centauri (Rigel Kentaurus)	4/1/2016	20:33	OzSky	380	HR 5459		14
NGC 5694			7/10/2004	21:54	Kim's Place	381	NGC 5694	VII	14
HR 5478		Zeta Bootis				382	HR 5478		14
Dunlop 166		Alpha Circinus	4/1/2016	20:38	OzSky	383	Dunlop 166		14
HR 5505	HD129988	Izar (Epsilon Bootes)				384	HR 5505		14
IC 4499			4/4/2016	0:50	OzSky	385	IC 4499	II	15
NGC 5824			4/7/2016	3:57	OzSky	386	NGC 5824	I	15

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 5822	D h 3588		4/4/2016	0:52	OzSky	387	NGC 5822	II2r	15
HR 5605		Pi Lupus				388	HR 5605		15
NGC 5823			4/3/2016	0:41	OzSky	389	NGC 5823	II2r	15
NGC 5882	D h 3594		7/6/2016	21:53	DAS Site	390	NGC 5882	PN	15
NGC 5897		Ghost Globular	6/12/1988	1:32	TAS Site	391	NGC 5897	II	15
M 5	NGC 5904		9/19/1987	21:45	TAS Site	392	M 5	V	15
HR 5694	ADS 9584	5 Serpentis				393	HR 5694		15
NGC 5925			4/4/2016	0:58	OzSky	394	NGC 5925	III2r	15
NGC 5927	D 389		4/4/2016	1:06	OzSky	395	NGC 5927	VIII	15
HR 5788		Delta Serpens				396	HR 5788		15
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 5946			4/4/2016	1:10	OzSky	397	NGC 5946	IX	15
NGC 5986	D 552		4/7/2016	4:00	OzSky	398	NGC 5986	VII	15
PK 329-2.1	He 2-149	Shapley 1				399	PK 329-2.1		15
NGC 5999						400	NGC 5999	I2m	15
NGC 6005						401	NGC 6005	I2m	15
Cr 295		Trumpler 23				402	Cr 295		16
SL 7						403	SL 7	DN	16
NGC 6025	D 304		4/3/2016	1:11	OzSky	404	NGC 6025	II3r	16
HR 5978		Xi Scorpii	6/24/2001	0:33	DAS Site	405	HR 5978		16
HR 5984		Beta Scorpii	6/24/2001	0:38	LTO	406	HR 5984		16
HR 6026		Jabbah (Nu Scorpii - Southern Double Double)				407	HR 6026		16
NGC 6072	h 3620		7/22/2006	22:16	John Martin	408	NGC 6072	PN	16
NGC 6067	D 360		4/3/2016	1:14	OzSky	409	NGC 6067	I3r	16
H 10						410	H 10		16
M 80	NGC 6093		6/27/1987	23:30	TAS Site	411	M 80	II	16
Menzel 3	ESO 225-9	Ant Nebula	4/4/2016	23:24	OzSky	412	Menzel 3	PN	16
NGC 6087		S Normae Cluster	4/3/2016	1:18	OzSky	413	NGC 6087	II2m	16
M 4	NGC 6121		6/27/1987	23:15	TAS Site	414	M 4	IX	16
HR 6112		Rho Ophiuchus				415	HR 6112		16
IC 4603						416	IC 4603	RN+SR	16
NGC 6101			4/3/2016	1:22	OzSky	417	NGC 6101	X	16
NGC 6124	D 514		5/12/2010	2:41	TSP	418	NGC 6124	I3r	16
NGC 6134	D 412		8/20/2009	21:55	DAS Site	419	NGC 6134	II3m	16
NGC 6139			4/7/2016	4:02	OzSky	420	NGC 6139	II	16

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6144			5/4/2000	0:52	TSP	421	NGC 6144	XI	16
HR 6134		Antares (Alpha Scorpii)	7/3/2013	22:23	DAS Site	422	HR 6134		16
NGC 6153	Copeland		7/22/2006	22:27	John Martin	423	NGC 6153	IV	16
M 107	NGC 6171		9/19/1987	21:54	TAS Site	424	M 107	X	16
NGC 6152			5/12/2010	3:14	TSP	425	NGC 6152	III3r	16
NGC 6164						426	NGC 6164	III	16
NGC 6167	D 400		5/12/2010	3:14	TSP	427	NGC 6167	II3m	16
NGC 6188	h 3642					428	NGC 6188	EN+RN	16
NGC 6192						429	NGC 6192	I 2 r	16
M 13	NGC 6205		6//28/1987	1:40	TAS Site	430	M 13	V	16
NGC 6193			4/3/2016	1:26	OzSky	431	NGC 6193	II3p	16
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6210			8/8/2007	23:14	DAS Site	432	NGC 6210	2(3b)	16
M 12	NGC 6218		9/19/1987	22:04	TAS Site	433	M 12	IX	16
NGC 6208			4/4/2016	1:14	OzSky	434	NGC 6208	III2r	16
NGC 6216						435	NGC 6216	I2m	16
NGC 6235			5/4/2000	5:14	TSP	436	NGC 6235	X	16
NGC 6231	D 499	Northern Jewel Box (False Comet Cluster)	5/12/2010	4:16	TSP	437	NGC 6231	I3p	16
NGC 6242			5/6/2005	2:58	TSP	438	NGC 6242	I3m	16
IC 4628	Barnard		8/17/2014	21:08	Keota, CO	439	IC 4628	EN	16
M 10	NGC 6254		9/19/1987	22:01	TAS Site	440	M 10	VII	16
NGC 6250			4/4/2016	1:35	OzSky	441	NGC 6250	II3r	16
NGC 6253						442	NGC 6253	II1m	16
H 13						443	H 13		17
M 62	NGC 6266		9/19/1987	22:14	TAS Site	444	M 62	IV	17
M 19	NGC 6273		9/19/1987	22:07	TAS Site	445	M 19	VIII	17
NGC 6281			5/12/2010	4:13	TSP	446	NGC 6281	II2p	17
NGC 6284			8/17/1990	22:27	TAS Site	447	NGC 6284	IX	17
NGC 6287			5/4/2000	5:21	TSP	448	NGC 6287	VII	17
NGC 6293			8/17/1990	22:08	TAS Site	449	NGC 6293	IV	17
NGC 6302		Bug Nebula	7/22/2006	22:36	John Martin	450	NGC 6302	VI	17
HR 6406		Rasalgethi (Alpha Herculis)	6/25/2001	0:58	LTO	451	HR 6406		17
NGC 6304			9/2/2005	21:37	WUTS	452	NGC 6304	VI	17
NGC 6309			6/30/2008	0:19	Raymer, CO	453	NGC 6309	3b(6)	17
NGC 6316			8/9/2002	21:31	WUTS	454	NGC 6316	III	17
NGC 6318						455	NGC 6318	III2p	17

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
M 92	NGC 6341		6/28/1987	1:40	TAS Site	456	M 92	IV	17
NGC 6322						457	NGC 6322	I3m	17
M 9	NGC 6333		9/19/1987	22:19	TAS Site	458	M 9	VIII	17
NGC 6334		Cats Paw Nebula	4/5/2016	0:50	OzSky	459	NGC 6334	EN	17
NGC 6337		Diamond Ring	7/22/2006	22:46	John Martin	460	NGC 6337	IV	17
HR 6484	HD157778	Rho Herculis	12/5/2023	17:50	LTO	461	HR 6484		17
NGC 6356			8/9/2002	21:46	WUTS	462	NGC 6356	II	17
IC 4651			5/12/2010	3:55	TSP	463	IC 4651	II2r	17
NGC 6357	h 3682		9/6/2013	21:21	John Martin	464	NGC 6357	EN+OCL	17
NGC 6352			4/4/2016	1:47	OzSky	465	NGC 6352	XI	17
NGC 6369			6/29/2008	23:37	Raymer, CO	466	NGC 6369	4(2)	17
NGC 6362	D 225		4/3/2016	1:32	OzSky	467	NGC 6362	X	17
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6388	D 457		4/4/2016	1:52	OzSky	468	NGC 6388	III	17
M 14	NGC 6402		9/19/1987	22:24	TAS Site	469	M 14	VIII	17
M 6	NGC 6405	Butterfly Cluster	6/28/1987	0:05	TAS Site	470	M 6	II3r	17
NGC 6397	D 366		4/5/2016	3:20	OzSky	471	NGC 6397	IX	17
HD 160435		V Pavo	4/6/2016	2:45	OzSky	472	HD 160435		17
NGC 6416			8/8/2007	21:22	DAS Site	473	NGC 6416	III2m	17
IC 4665			8/8/2007	22:59	DAS Site	474	IC 4665	III2p	17
NGC 6440			8/16/2001	21:45	WUTS	475	NGC 6440	V	17
NGC 6445			6/29/2008	23:55	Raymer, CO	476	NGC 6445	3b(3)	17
NGC 6441	D 557		4/7/2016	4:10	OzSky	477	NGC 6441	III	17
NGC 6453			4/7/2016	4:12	OzSky	478	NGC 6453	IV	17
M 7	NGC 6475	Ptolemy's Cluster	6/27/1987	23:50	TAS Site	479	M 7	I3r	17
GL 699	HIP 87937	Barnard's Star	9/23/2022	20:16	DAS Site	480	GL 699		17
M 23	NGC 6494		9/19/1987	22:29	TAS Site	481	M 23	II2r	17
HR 6693		h 5003				482	HR 6693		17
NGC 6496			4/4/2016	1:54	OzSky	483	NGC 6496	XII	17
HN 40		Triffid Nebula Cluster				484	HN 40		18
M 20	NGC 6514	Trifid Nebula	9/6/2013	22:06	John Martin	485	M 20	EN+OCL	18
NGC 6520	Barnard 86	Ink Spot	8/8/2007	22:31	DAS Site	486	NGC 6520	I2rn	18
NGC 6522	h 3720	Baade's Window	8/16/2001	22:45	WUTS	487	NGC 6522	VI	18
Barnard 87	LDN 1771	The Parrot's Head				488	Barnard 87		18
M 21	NGC 6531		9/19/1987	22:37	TAS Site	489	M 21	I3r	18
M 8	NGC 6533	Lagoon Nebula	9/19/1987	22:38	TAS Site	490	M 8	EN+Cluster	18

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6528			8/16/2001	22:50	WUTS	491	NGC 6528	V	18
NGC 6530			8/8/2007	22:39	DAS Site	492	NGC 6530	II2mn	18
HR 6752	ADS 11046	70 Ophiuchus	9/23/2022	20:37	DAS Site	493	HR 6752		18
NGC 6537		Red Spider Nebula	6/30/2008	2:05	Raymer, CO	494	NGC 6537	2a(6)	18
NGC 6544			8/16/2001	23:09	WUTS	495	NGC 6544	V	18
PK 342-14.1		Shapley 3	4/5/2016	1:58	OzSky	496	PK 342-14.1		18
NGC 6541	D 473		5/12/2010	3:55	TSP	497	NGC 6541	III	18
NGC 6553			8/16/2001	23:20	WUTS	498	NGC 6553	XI	18
NGC 6563	D 606		7/22/2006	22:52	John Martin	499	NGC 6563	3a	18
NGC 6572			9/12/2007	20:14	DAS Site	500	NGC 6572	2a	18
NGC 6567			6/30/2008	2:10	Raymer, CO	501	NGC 6567	2a(3)	18
NGC 6569			8/16/2001	23:26	WUTS	502	NGC 6569	VIII	18
NGC 6590						503	NGC 6590	III3mn	18
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
IC 4703		Starqueen Nebula in M16	9/19/1987	22:54	TAS Site	504	IC 4703	EN	18
M 16	NGC 6611	Eagle Nebula	9/19/1987	22:54	TAS Site	505	M 16	II3mn	18
NGC 6584			4/4/2016	2:02	OzSky	506	NGC 6584	VIII	18
NGC 6603			9/19/1987	23:00	TAS Site	507	NGC 6603	I2rn	18
NGC 6604			8/8/2007	23:38	DAS Site	508	NGC 6604	I3mn	18
M 18	NGC 6613		9/19/1987	22:55	TAS Site	509	M 18	II3pn	18
M 17	NGC 6618	Swan or Omega Nebula	9/19/1987	22:11	TAS Site	510	M 17	III3mn	18
NGC 6624	D h 3742		8/16/2001	23:35	WUTS	511	NGC 6624	VI	18
M 28	NGC 6626		9/19/1987	23:12	TAS Site	512	M 28	IV	18
M 24	IC 4715	Sagittarius Star Cloud	9/19/1987	23:00	TAS Site	513	M 24		18
NGC 6633			6/24/2001	0:22	LTO	514	NGC 6633	III2m	18
NGC 6638			8/8/2002	23:11	WUTS	515	NGC 6638	VI	18
M 25	IC 4725		9/19/1987	23:03	TAS Site	516	M 25	I3m	18
M 69	NGC 6637		9/19/1987	23:22	TAS Site	517	M 69	V	18
NGC 6642			8/8/2002	22:40	WUTS	518	NGC 6642	V	18
NGC 6652			9/2/2005	20:38	Keota, CO	519	NGC 6652	VI	18
M 22	NGC 6656		9/19/1987	23:06	TAS Site	520	M 22	VII	18
IC 4756			5/6/2005	1:54	TSP	521	IC 4756	II3r	18
M 70	NGC 6681		9/19/1987	23:23	TAS Site	522	M 70	V	18
HR 7051		Epsilon Lyrae	6/25/2001	1:24	LTO	523	HR 7051		18
HR 7056		Zeta Lyrae	6/25/2001	1:26	LTO	524	HR 7056		18
M 26	NGC 6694		9/19/1987	23:28	TAS Site	525	M 26	II 3 m	18

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
HR 7089	HD174325	S Scutum				526	HR 7089		18
M 11	NGC 6705	Wild Duck Cluster	9/19/1987	23:30	TAS Site	527	M 11	I2r	18
M 57	NGC 6720	Ring Nebula	6/28/1987	0:30	TAS Site	528	M 57	4(3)	18
NGC 6712			8/17/2001	0:15	WUTS	529	NGC 6712	IX	18
M 54	NGC 6715		9/19/1987	23:24	TAS Site	530	M 54	III	18
HR 7141	ADS 11853	Theta Serpentis	6/25/2001	1:37	LTO	531	HR 7141		18
NGC 6723	D 573		4/4/2016	2:03	OzSky	532	NGC 6723	VII	18
NGC 6726			5/6/2005	3:25	TSP	533	NGC 6726	RN	19
NGC 6729		R Coronae Australis Nebula	7/22/2009	23:22	Keota, CO	534	NGC 6729	complex	19
Bernes 157	DC 359.7-018.2					535	Bernes 157		19
HR 7220	HD177336	V Aquila				536	HR 7220		19
NGC 6751			7/30/2008	21:42	WUTS	537	NGC 6751	III	19
HR 7226		Gamma Corona Australis				538	HR 7226		19
NGC 6744	D 262		4/6/2016	0:06	OzSky	539	NGC 6744	Sc II	19
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6752	D 295	Pavo Globular (The Starfish)	4/7/2016	4:14	OzSky	540	NGC 6752	VI	19
M 56	NGC 6779		6/28/1987	0:45	TAS Site	541	M 56	X	19
NGC 6769			4/6/2016	1:54	OzSky	542	NGC 6769	SBb/P	19
NGC 6781			8/14/1988	0:02	TAS Site	543	NGC 6781	3b(3)	19
NGC 6791		Levy's False Comet	9/12/2007	22L54	DAS Site	544	NGC 6791	I2r	19
Dunlop 226		Beta Sagittarii				545	Dunlop 226		19
Cr 399			5/6/2005	1:46	TSP	546	Cr 399		19
HR 7417		Albireo (Beta Cygnii)	6/25/2001	1:40	LTO	547	HR 7417		19
HR 7463		Epsilon Sagittae				548	HR 7463		19
HR 7475	HN 84		8/23/2011	22:23	DAS Site	549	HR 7475		19
M 55	NGC 6809		9/19/1987	23:34	TAS Site	550	M 55	XI	19
NGC 6818		Little Gem	7/22/2001	2:05	DAS Site	551	NGC 6818	IV	19
NGC 6822		Barnard's Galaxy	9/26/2019	22:23	Okie-Tex SP	552	NGC 6822	IB(s)m IV-V	19
Dunlop 227	HR7548					553	Dunlop 227		19
M 71	NGC 6838		6/28/1987	2:15	TAS Site	554	M 71	GCL	19
M 27	NGC 6853	Dumbbell Nebula	9/19/1987	23:42	TAS Site	555	M 27	3(2)	19
NGC 6857			9/19/2006	23:57	Crow Valley	556	NGC 6857	3:2:3	20
M 75	NGC 6864		9/19/1987	23:53	TAS Site	557	M 75	I	20
NGC 6885			7/22/2001	3:39	DAS Site	558	NGC 6885	II 2 p	20
NGC 6888		Crescent Nebula	9/7/2013	0:11	John Martin	559	NGC 6888	2:3:3	20
NGC 6891			7/31/2008	2:39	WUTS	560	NGC 6891	2a(2b)	20

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 6876			4/6/2016	2:35	OzSky	561	NGC 6876	SO	20
NGC 6905			7/31/2008	2:09	WUTS	562	NGC 6905	3(3)	20
NGC 6934			10/5/1999	23:45	Okie-Tex SP	563	NGC 6934	VIII	20
HR 7947		Gamma Delphinus	12/3/2001	18:25	LTO	564	HR 7947		20
M72	NGC 6981		11/21/1987	19:20	TAS Site	565	M72	IX	20
NGC 6992		Veil Nebula	9/7/2013	0:56	John Martin	566	NGC 6992	3:3:3	20
NGC 7000		North American Nebula	7/3/2013	22:50	DAS Site	567	NGC 7000	3:3:2	20
NGC 7006			7/22/2001	3:53	DAS Site	568	NGC 7006	1	21
NGC 7009		Saturn Nebula	8/23/2006	22:46	DAS Site	569	NGC 7009	4(6)	21
NGC 7026			8/1/2008	3:37	WUTS	570	NGC 7026	3a	21
NGC 7027			8/1/2008	3:21	WUTS	571	NGC 7027	3a	21
HR 8140		Theta Indi				572	HR 8140		21
HR 8145	HD202874	T Indus				573	HR 8145		21
HR 8156	HD203133	Y Pavo	4/6/2016	2:43	OzSky	574	HR 8156		21
M 15	NGC 7078		11/29/1986	18:55	TAS Site	575	M 15	IV	21
Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
M 2	NGC 7089		9/20/1987	0:29	TAS Site	576	M 2	II	21
M 30	NGC 7099		11/21/1987	19:05	TAS Site	577	M 30	V	21
IC 5148	also IC 5150		9/24/2016	22:39	Okie-Tex SP	578	IC 5148	IV	21
Hickson 90		Klemora 4	10/17/2009	20:59	Keota, CO	579	Hickson 90		22
IC 5152						580	IC 5152	Irr IV	22
IC 5201	ESO 289-G018					581	IC 5201	SBcIII	22
HR 8521	HD212087	pi-1 Gru	6/24/2013	1:09	DAS Site	582	HR 8521		22
HR 8558		Zeta Aquarii	12/1/2001	21:26	LTO	583	HR 8558		22
NGC 7293		Helix Nebula	8/24/2006	0:41	DAS Site	584	NGC 7293	4(3)	22
Dunlop 240	HR8576	Beta Piscis Austrini	12/15/2023	19:47	LTO	585	Dunlop 240		22
NGC 7320		Stephan's Quintet of Galaxies	11/2/2007	22:37	Raymer, CO	586	NGC 7320	Sc	22
NGC 7331			9/27/2019	22:35	Okie-Tex SP	587	NGC 7331	Sb I-II	22
NGC 7410						588	NGC 7410	Sa	22
IC 1459			9/26/2016	23:08	Okie-Tex SP	589	IC 1459	E3	22
NGC 7424						590	NGC 7424	S(B)c II	22
NGC 7456			9/27/2019	1:28	Okie-Tex SP	591	NGC 7456	Sc	23
NGC 7479			10/9/1999	21:14	Okie-Tex SP	592	NGC 7479	SBb I	23
NGC 7552			9/26/2019	23:20	Okie-Tex SP	593	NGC 7552	Sbab	23
NGC 7582		Grus Quartet of galaxies	9/26/2019	23:20	Okie-Tex SP	594	NGC 7582	Sbab	23
NGC 7590			9/26/2019	23:20	Okie-Tex SP	595	NGC 7590	Sc	23

Target Name	Other Names	Common Name	Observed Data			ID #	Target Name	Sub Type	Right
			Date	Time	Location				hr
NGC 7599			9/26/2019	23:20	Okie-Tex SP	596	NGC 7599	Sbc	23
NGC 7662		Blue Snowball	11/2/2007	23:42	Raymer, CO	597	NGC 7662	4(3)	23
IC 5332						598	IC 5332	SA(s)d	23
HR 9004	HD223075	19 Psc,TX Psc				599	HR 9004		23
NGC 7793	D 608		10/27/2008	22:37	DAS Site	600	NGC 7793	Sdm III-IV	23

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
3	14.8	+	16	8	43	Oct
15	8.0	-	39	13	10	Oct
23	18.0	-	73	21	0	Oct
24	5.2	-	72	4	49	Oct
30	21.0	-	33	14	50	Oct
31	32.8	-	62	57	30	Oct
34	46.7	-	8	23	48	Oct
37	41.7	-	33	43	1	Oct
40	21.9	+	41	41	26	Oct
42	44.3	+	41	16	6	Oct
42	41.8	+	40	51	52	Oct
47	3.3	-	11	52	17	Oct
47	8.3	-	20	45	36	Oct
47	33.1	-	25	17	15	Oct
52	46.4	-	26	35	10	Oct
52	38.0	-	72	48	1	Oct
54	53.3	-	37	41	3	Oct
56	18.0	-	72	28	0	Oct
59	5.0	-	72	10	38	Oct
0	9.4	-	33	42	33	Nov
3	14.3	-	70	50	52	Nov
3	29.5	-	72	3	25	Nov
4	47.5	+	2	7	7	Nov
8	18.0	-	72	53	0	Nov
9	55.5	-	45	55	53	Nov
9	26.9	+	35	43	4	Nov
26	58.1	-	32	32	36	Nov
33	50.8	+	30	39	37	Nov
34	18.0	-	29	25	0	Nov
35	5.7	-	7	20	28	Nov
36	41.6	+	15	47	3	Nov
41	42.8	-	89	20	4	Nov
49	10.8	-	10	25	40	Nov
53	31.9	-	19	17	44	Nov
53	0.4	-	13	44	21	Nov
57	47.9	+	37	51	0	Nov
59	20.3	+	19	0	22	Nov
2	0.0	+	2	46	0	Nov

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
19	20.8	-	2	58	42	Nov
22	33.0	+	42	20	50	Nov
23	4.7	-	21	14	3	Nov
27	37.5	-	1	9	23	Nov
39	59.4	-	34	26	57	Nov
39	48.0	-	34	15	30	Nov
40	24.1	+	39	3	48	Nov
41	41.5	+	0	26	32	Nov
42	7.4	+	42	44	46	Nov
42	40.8	-	0	0	47	Nov
43	17.9	+	3	14	8	Nov
43	40.6	+	1	22	31	Nov
46	19.5	-	30	16	32	Nov
58	15.6	-	40	18	17	Nov
9	45.3	-	20	34	45	Dec
12	33.2	-	57	19	17	Dec
12	15.3	-	55	12	59	Dec
17	18.3	-	41	6	26	Dec
18	16.0	-	66	29	43	Dec
19	40.9	-	19	24	40	Dec
22	41.4	-	37	12	28	Dec
31	6.0	-	33	38	0	Dec
33	14.6	-	25	52	16	Dec
33	36.7	-	36	8	27	Dec
36	27.5	-	34	58	31	Dec
36	57.1	-	35	30	23	Dec
38	29.6	-	23	1	38	Dec
38	52.0	-	26	20	14	Dec
38	28.9	-	35	26	59	Dec
38	51.9	-	35	35	35	Dec
40	11.8	-	18	34	48	Dec
42	1.2	-	47	13	19	Dec
44	34.1	+	32	9	47	Dec
46	10.0	+	23	45	54	Dec
47	0.0	+	24	7	0	Dec

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
3	14.4	+	36	21	33	Dec
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
3	54.0	-	43	20	57	Dec
4	2.1	-	54	6	2	Dec
9	17.0	+	30	46	35	Dec
12	4.2	-	32	52	30	Dec
12	42.9	-	57	44	17	Dec
14	15.8	-	12	44	20	Dec
15	45.0	-	55	35	29	Dec
16	10.6	-	55	46	46	Dec
17	36.7	-	62	47	4	Dec
20	0.5	-	54	56	14	Dec
26	54.0	+	15	52	0	Dec
30	14.2	+	35	16	47	Dec
31	39.3	-	54	36	6	Dec
33	33.8	-	62	49	25	Dec
36	12.0	-	58	52	0	Dec
36	45.5	-	62	4	38	Dec
45	42.9	-	59	14	52	Dec
46	0.0	+	19	4	0	Dec
50	55.2	-	53	27	41	Dec
56	49.3	-	66	24	33	Dec
59	36.4	-	14	48	23	Dec
59	8.8	-	65	59	7	Dec
4	14.8	-	66	26	4	Jan
5	23.7	+	1	10	39	Jan
5	14.1	-	37	58	48	Jan
6	53.1	-	3	20	27	Jan
7	42.5	-	37	30	48	Jan
8	44.8	-	68	45	42	Jan
11	46.5	-	45	2	1	Jan
13	39.1	-	65	27	56	Jan
14	32.3	-	8	12	6	Jan
14	6.3	-	40	2	48	Jan
16	29.4	+	34	21	22	Jan
22	44.0	+	33	24	40	Jan

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
23	34.6	-	69	45	22	Jan
24	28.6	-	2	23	50	Jan
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
24	10.6	-	24	31	27	Jan
26	10.0	-	67	29	51	Jan
26	17.8	-	68	50	16	Jan
27	28.3	-	12	41	48	Jan
27	22.2	-	67	27	50	Jan
28	42.5	+	35	51	18	Jan
31	25.7	+	34	14	42	Jan
32	0.4	-	0	17	4	Jan
34	31.9	+	22	0	52	Jan
35	6.0	+	9	56	0	Jan
35	2.7	-	6	0	7	Jan
35	23.2	-	4	50	18	Jan
35	15.8	-	5	23	14	Jan
35	26.0	-	5	54	36	Jan
35	17.2	-	5	23	27	Jan
35	31.3	-	5	16	3	Jan
35	15.8	-	4	50	40	Jan
35	25.9	+	5	54	35	Jan
35	9.6	-	4	25	30	Jan
36	17.7	+	34	8	27	Jan
38	44.8	-	2	36	0	Jan
38	38.4	-	69	5	39	Jan
39	3.7	-	69	29	53	Jan
40	45.5	-	1	56	33	Jan
41	0.0	-	2	27	12	Jan
41	38.3	-	2	15	33	Jan
41	42.5	-	1	51	23	Jan
42	6.1	+	9	5	10	Jan
46	45.8	+	0	4	45	Jan
52	18.3	+	32	33	11	Jan
56	23.9	+	46	6	19	Jan
7	25.6	+	24	5	46	Jan

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
8	55.9	+	24	21	28	Jan
8	24.3	+	13	57	53	Jan
9	23.7	+	20	39	34	Jan
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
12	57.5	-	68	15	33	Jan
25	28.2	+	14	43	19	Jan
28	49.1	-	7	1	59	Jan
28	1.1	-	4	50	51	Jan
29	49.0	-	50	14	21	Jan
29	34.5	-	31	16	53	Jan
30	54.6	+	5	2	57	Jan
31	55.6	+	4	56	35	Jan
39	9.5	+	8	44	39	Jan
40	58.3	+	9	53	44	Jan
45	8.6	-	16	43	10	Jan
46	0.0	-	20	45	15	Jan
48	59.1	-	36	0	19	Jan
51	45.3	+	0	27	33	Jan
54	26.7	-	42	21	56	Jan
58	37.6	-	28	58	19	Jan
2	42.3	-	8	23	26	Feb
4	7.2	-	11	18	51	Feb
9	22.5	-	0	48	24	Feb
14	30.3	-	10	15	57	Feb
16	36.8	-	23	18	56	Feb
17	17.0	-	36	49	0	Feb
17	43.1	-	15	38	29	Feb
18	30.9	-	13	13	38	Feb
18	41.5	-	24	57	15	Feb
25	33.8	+	29	29	18	Feb
29	10.8	+	20	54	42	Feb
36	35.7	-	14	29	0	Feb
36	35.0	-	14	28	57	Feb
36	19.7	-	69	32	31	Feb
38	49.9	-	26	48	14	Feb

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
38	8.4	+	38	52	53	Feb
40	45.4	-	31	41	33	Feb
41	46.8	-	14	48	36	Feb
41	50.4	-	14	44	9	Feb
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
41	55.3	-	18	12	32	Feb
44	29.2	-	23	51	11	Feb
45	15.0	-	37	58	3	Feb
52	29.5	-	26	25	48	Feb
52	9.8	-	38	32	0	Feb
56	51.3	-	59	7	31	Feb
56	15.9	-	30	3	51	Feb
58	7.1	-	60	45	12	Feb
0	1.7	-	10	46	11	Feb
4	58.2	-	28	8	48	Feb
9	31.9	-	47	20	12	Feb
10	37.9	-	12	49	9	Feb
10	10.5	-	49	13	32	Feb
12	15.6	-	37	35	39	Feb
13	43.1	-	5	45	2	Feb
33	23.0	-	22	58	23	Feb
37	14.9	-	29	57	1	Feb
40	18.0	-	52	55	0	Feb
40	22.2	+	19	40	19	Feb
42	30.0	-	48	8	12	Feb
42	33.0	-	45	0	2	Feb
44	42.3	-	54	42	33	Feb
45	29.5	-	48	47	30	Feb
46	41.8	+	28	45	35	Feb
46	22.0	-	52	56	51	Feb
46	11.9	-	41	52	38	Feb
47	54.0	-	42	27	0	Feb
51	20.1	+	11	48	43	Feb
52	41.8	+	33	25	20	Feb
0	16.9	-	45	56	53	Mar
10	20.3	+	7	2	16	Mar

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
12	2.6	-	64	51	47	Mar
16	1.5	-	36	37	37.5	Mar
21	25.3	-	58	18	41.5	Mar
27	31.0	-	56	58	54	Mar
27	3.0	-	56	6	21.7	Mar
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
30	29.0	-	52	54	50	Mar
32	9.9	+	21	30	7	Mar
33	10.9	-	53	23	45	Mar
40	11.5	-	50	19	15	Mar
45	38.5	-	31	11	25	Mar
51	3.7	-	23	1	2	Mar
2	42.7	-	60	6	32	Mar
3	6.7	-	26	9	31	Mar
5	14.1	-	7	43	9	Mar
7	1.8	-	40	26	11.7	Mar
9	21.1	-	80	51	30.8	Mar
17	48.1	+	21	52	23	Mar
17	24.4	-	57	55	20	Mar
17	36.7	-	46	24	40	Mar
18	17.0	+	41	25	27	Mar
18	5.9	+	21	49	59	Mar
19	58.6	+	19	50	28	Mar
21	22.2	-	51	43	57	Mar
24	46.2	-	18	38	34	Mar
25	52.0	-	57	55	35	Mar
32	56.9	-	47	0	12	Mar
35	12.8	-	39	33	45	Mar
35	53.8	-	58	14	10	Mar
37	33.3	-	13	23	5	Mar
37	18.7	-	58	39	36	Mar
38	45.0	-	59	10	59	Mar
39	18.4	-	55	36	12	Mar
42	12.0	-	65	6	0	Mar
42	56.5	-	64	23	39	Mar
43	57.7	+	11	42	13	Mar

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
43	30.7	+	24	55	19	Mar
45	8.5	-	59	52	4	Mar
46	45.9	+	11	49	25	Mar
47	49.7	+	12	34	53	Mar
48	16.9	+	12	37	46	Mar
51	37.2	-	21	15	0	Mar

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
0	23.9	+	28	58	29	Apr
5	48.9	-	0	2	6	Apr
5	47.5	-	58	46	13	Apr
10	19.2	-	60	14	54	Apr
11	32.8	-	61	21	44	Apr
15	6.6	-	61	15	40	Apr
16	54.7	+	18	3	5	Apr
17	22.0	-	62	43	18	Apr
18	55.9	+	13	5	37	Apr
18	16.5	-	32	48	50	Apr
19	42.0	-	63	29	0	Apr
20	15.1	+	12	59	28	Apr
20	3.9	+	18	21	23	Apr
20	16.9	+	13	35	20	Apr
27	58.1	-	59	57	37	Apr
35	47.3	-	63	1	11	Apr
36	14.4	-	61	36	36	Apr
39	5.0	-	63	26	36	Apr
40	58.7	+	11	28	17	Apr
50	17.8	-	57	10	56	Apr
50	33.2	-	55	40	35	Apr
51	1.8	-	28	48	21	Apr
1	53.0	-	18	52	7	Apr
1	53.6	-	18	53	10	Apr
2	5.2	-	63	13	24	Apr
6	39.5	-	61	15	0	Apr
10	6.3	+	18	32	32	Apr
13	48.2	+	14	54	0	Apr
15	39.5	+	36	19	35	Apr

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
15	54.1	+	13	8	59	Apr
17	29.7	+	37	48	24	Apr
18	57.5	+	47	18	15	Apr
18	49.6	+	14	25	1	Apr
19	52.6	+	27	37	16	Apr
21	54.9	+	4	28	24	Apr
22	54.9	+	15	49	21	Apr
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
24	3.3	-	58	7	25	Apr
24	6.0	-	61	52	13	Apr
24	30.7	-	18	47	5	Apr
24	28.1	+	7	19	3	Apr
25	6.0	+	26	6	0	Apr
25	12.0	-	60	29	0	Apr
25	14.4	-	0	46	11	Apr
25	4.7	+	12	53	13	Apr
25	24.2	+	18	11	27	Apr
25	45.4	-	72	39	33	Apr
26	35.8	-	63	5	57	Apr
26	11.9	+	12	56	47	Apr
28	11.1	+	44	5	36	Apr
29	46.7	+	8	0	0	Apr
29	55.2	-	64	47	23	Apr
30	49.3	+	12	23	26	Apr
30	31.4	+	41	42	0	Apr
30	36.1	+	41	38	33	Apr
31	19.0	-	63	44	36	Apr
31	59.1	+	14	25	15	Apr
31	24.3	+	25	46	31	Apr
34	3.1	+	7	41	58	Apr
35	0.0	-	68	10	0	Apr
35	7.8	+	18	22	38	Apr
35	39.9	+	12	33	23	Apr
35	57.7	+	27	57	35	Apr
36	49.9	+	13	9	45	Apr
36	20.7	+	25	59	19	Apr

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
36	32.8	+	11	15	28	Apr
36	34.3	+	11	14	17	Apr
37	43.5	+	11	49	5	Apr
39	59.4	-	11	37	23	Apr
39	28.0	-	26	44	34	Apr
41	30.9	-	48	57	36	Apr
41	39.2	-	1	26	57	Apr
42	2.4	+	11	38	48	Apr
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
42	19.9	-	62	59	38	Apr
42	8.1	+	32	32	26	Apr
42	49.9	+	2	41	16	Apr
43	39.7	+	11	33	7	Apr
46	16.7	-	68	6	29	Apr
47	24.7	-	59	41	41	Apr
48	49.1	-	41	18	41	Apr
48	35.7	-	5	48	3	Apr
49	2.2	-	8	39	52	Apr
49	38.7	+	15	9	54	Apr
50	53.0	+	41	7	12	Apr
50	26.5	+	25	30	1	Apr
52	22.0	-	1	12	16	Apr
52	56.0	+	11	13	52	Apr
53	37.1	-	60	21	22	Apr
54	35.6	-	57	10	41	Apr
56	1.5	+	38	19	7	Apr
56	44.2	+	21	40	58	Apr
57	58.3	-	64	57	42	Apr
59	34.9	-	70	52	28	Apr
0	14.5	-	59	36	58	May
0	8.1	+	27	58	37	May
5	27.1	-	49	28	3	May
8	37.4	-	49	30	21	May
10	56.6	+	37	3	33	May
12	55.2	+	18	10	8	May
15	49.1	+	42	1	50	May

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
16	31.8	-	44	42	16	May
18	5.2	-	26	50	16	May
18	54.6	-	21	2	19	May
19	49.8	-	27	24	36	May
21	57.5	-	36	37	49	May
25	29.0	-	43	1	0	May
26	45.9	-	47	28	37	May
29	52.1	+	47	11	43	May
33	32.9	-	65	58	26	May
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
34	39.6	-	45	32	27	May
37	0.2	-	29	52	4	May
37	32.0	+	8	53	8	May
37	38.9	-	42	50	52	May
39	55.9	-	31	38	31	May
42	11.2	+	28	22	32	May
46	35.1	-	62	54	59	May
46	26.5	-	51	22	24	May
53	57.2	-	61	52	9	May
56	11.9	+	5	0	52	May
3	49.4	-	60	22	23	May
7	27.7	-	48	20	33	May
13	10.2	-	65	20	20	May
22	26.0	-	44	9	4	May
29	44.0	-	60	42	39	May
29	37.3	-	5	58	36	May
32	41.3	-	44	10	24	May
33	18.4	-	60	49	35	May
35	37.5	-	56	37	5	May
39	31.7	-	60	49	58	May
39	36.5	-	26	32	18	May
41	8.9	+	13	43	42	May
42	30.1	-	64	58	33	May
44	59.1	+	27	4	30	May
0	18.0	-	82	13	0	Jun
3	58.5	-	33	4	4	Jun

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
4	21.2	-	54	23	47	Jun
5	7.1	-	47	3	5	Jun
5	30.6	-	55	36	13	Jun
16	50.0	-	45	38	58	Jun
17	24.4	-	21	0	37	Jun
18	33.7	+	2	4	58	Jun
19	19.0	+	1	45	51	Jun
27	26.7	-	54	31	43	Jun
28	4.0	-	50	40	22	Jun
34	48.1	+	10	32	16	Jun
Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
35	28.5	-	50	39	34	Jun
46	3.4	-	37	47	10	Jun
51	40.9	-	51	31	28	Jun
52	8.6	-	56	28	22	Jun
55	48.7	-	57	26	14	Jun
0	48.0	-	53	32	0	Jun
1	56.7	-	41	52	0	Jun
3	17.0	-	60	25	54	Jun
4	22.1	-	11	22	24	Jun
5	26.2	-	19	48	20	Jun
11	59.7	-	19	27	39	Jun
12	58.2	-	36	13	47	Jun
13	11.0	-	54	13	6	Jun
15	36.0	-	54	52	0	Jun
17	3.1	-	22	58	30	Jun
17	13.4	-	51	59	10	Jun
18	50.5	-	57	56	4	Jun
23	35.4	-	26	31	31	Jun
25	35.1	-	23	26	50	Jun
25	36.0	-	24	28	0	Jun
25	48.5	-	72	12	6	Jun
25	20.0	-	40	39	13	Jun
27	46.5	-	49	9	4	Jun
27	40.4	-	38	50	56	Jun

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
27	14.1	-	26	1	29	Jun
29	24.5	-	26	25	55	Jun
31	30.6	-	40	15	13	Jun
32	31.9	-	13	3	10	Jun
32	45.5	-	52	38	38	Jun
33	41.6	-	48	4	46	Jun
34	34.9	-	49	46	19	Jun
40	5.8	-	48	39	44	Jun
40	23.8	-	43	22	1	Jun
41	41.4	+	36	27	36	Jun
41	20.2	-	48	45	45	Jun

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
44	29.4	+	23	48	0	Jun
47	14.4	-	1	56	52	Jun
49	28.1	-	53	43	42	Jun
49	23.5	-	44	43	53	Jun
53	25.3	-	22	10	38	Jun
54	10.9	-	41	49	27	Jun
55	33.4	-	39	27	39	Jun
57	0.0	-	40	20	0	Jun
57	9.0	-	4	5	58	Jun
57	56.0	-	45	56	12	Jun
59	5.1	-	52	42	32	Jun
1	42.0	-	48	6	0	Jul
1	12.5	-	30	6	44	Jul
2	37.7	-	26	16	5	Jul
4	41.2	-	37	59	7	Jul
4	28.5	-	24	45	49	Jul
5	9.3	-	22	42	29	Jul
10	10.3	-	26	34	57	Jul
13	44.6	-	37	6	12	Jul
14	38.9	+	14	23	26	Jul
14	32.5	-	29	27	44	Jul
14	4.3	-	12	54	38.5	Jul
16	37.3	-	28	8	24	Jul
16	11.5	-	39	25	30	Jul

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
17	7.5	+	43	8	11	Jul
18	25.7	-	42	56	2	Jul
19	11.7	-	18	30	59	Jul
20	49.7	-	35	6	10	Jul
22	15.7	-	38	29	1.4	Jul
23	40.7	+	37	8	49	Jul
23	34.9	-	17	4	47	Jul
24	42.0	-	49	57	0	Jul
24	43.5	-	34	12	5	Jul
25	29.1	-	48	25	22	Jul
29	20.4	-	23	45	35	Jul
31	54.7	-	67	2	53	Jul

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
36	16.9	-	44	44	5	Jul
37	36.1	-	3	14	46	Jul
40	20.7	-	32	15	15	Jul
40	41.2	-	53	40	25	Jul
43	18.9	-	57	43	26	Jul
44	19.9	-	32	21	40	Jul
46	18.0	+	5	43	0	Jul
48	52.5	-	20	21	34	Jul
49	15.0	-	20	0	34	Jul
50	12.9	-	37	3	4	Jul
50	51.6	-	34	35	55	Jul
53	51.1	-	34	47	34	Jul
57	47.9	+	4	43	15	Jul
57	4.7	-	18	59	7	Jul
59	5.3	-	30	15	11	Jul
59	3.7	-	44	15	59	Jul
2	36.0	-	23	2	0	Jul
2	20.9	-	23	1	38	Jul
3	25.1	-	27	53	28	Jul
3	35.1	-	30	2	6	Jul
4	18.0	-	32	40	0	Jul
4	13.4	-	22	29	24	Jul
4	4.0	-	24	23	49	Jul

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
4	49.6	-	30	3	21	Jul
4	31.0	-	24	21	29	Jul
5	27.4	+	2	29	51	Jul
5	13.0	-	19	50	34	Jul
7	20.5	-	24	59	51	Jul
7	15.8	-	51	1	10	Jul
8	2.0	-	43	42	57	Jul
9	18.0	-	25	54	28	Jul
12	2.6	-	33	52	7	Jul
12	6.4	+	6	51	13	Jul
13	45.1	-	19	4	34	Jul
13	38.6	-	31	49	35	Jul
17	5.0	-	19	51	58	Jul

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
18	54.0	-	13	47	0	Jul
18	48.1	-	13	48	26	Jul
18	38.0	-	52	12	54	Jul
18	27.0	-	18	24	22	Jul
18	3.0	-	12	14	35	Jul
19	58.4	-	17	6	7	Jul
20	47.1	-	16	10	18	Jul
23	40.6	-	30	21	39	Jul
24	32.8	-	24	52	12	Jul
26	12.0	-	18	26	0	Jul
27	15.0	+	6	30	30	Jul
30	56.0	-	25	29	47	Jul
31	36.0	-	19	15	0	Jul
31	23.2	-	32	20	53	Jul
31	54.0	-	23	28	35	Jul
35	46.0	-	32	59	25	Jul
36	24.1	-	23	54	12	Jul
39	0.0	+	5	27	0	Jul
43	12.5	-	32	17	31	Jul
44	20.4	+	39	40	13	Jul
44	46.4	+	37	36	19	Jul
45	18.6	-	9	23	1	Jul

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
50	20.0	-	7	54	27	Jul
51	5.9	-	6	16	12	Jul
53	35.1	+	33	1	44	Jul
53	4.0	-	8	42	22	Jul
55	3.3	-	30	28	42	Jul
56	13.2	+	4	12	13	Jul
59	33.0	-	36	37	54	Jul
1	39.0	-	36	53	27	Aug
1	54.1	-	36	57	12	Aug
3	6.9	-	37	16	35	Aug
4	24.2	-	5	41	6	Aug
5	55.5	-	5	59	32	Aug
6	25.3	-	37	3	51	Aug
9	46.1	-	63	51	25	Aug

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
10	51.7	-	59	58	55	Aug
16	35.4	+	30	11	5	Aug
18	23.1	-	60	30	5	Aug
18	28.3	+	6	32	23	Aug
20	53.0	+	37	46	19	Aug
22	38.3	-	44	27	32	Aug
25	24.0	+	20	11	0	Aug
30	43.3	+	27	57	35	Aug
37	17.4	+	16	27	46	Aug
39	25.3	+	16	34	16	Aug
39	59.3	-	30	57	44	Aug
43	57.8	-	14	9	11	Aug
44	56.3	-	14	48	37	Aug
52	37.7	-	54	58	16	Aug
53	46.1	+	18	46	42	Aug
59	36.3	+	22	43	16	Aug
1	48.0	+	33	31	33	Aug
6	4.7	-	21	55	17	Aug
11	55.8	+	26	29	20	Aug
12	6.4	+	38	21	18	Aug
15	8.9	+	12	42	15	Aug

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
18	18.9	-	70	51	31	Aug
22	23.0	+	20	6	16	Aug
34	12.0	+	7	24	16	Aug
46	38.9	+	16	7	25	Aug
53	28.0	-	12	32	13	Aug
56	19.0	+	31	44	34	Aug
58	50.0	+	44	12	0	Aug
1	29.3	+	16	11	16	Sep
4	10.7	-	11	21	49	Sep
6	18.6	+	47	51	8	Sep
7	1.7	+	42	14	10	Sep
19	52.1	-	53	26	59	Sep
20	9.5	-	45	1	19	Sep
24	16.8	-	69	44	2	Sep
29	58.4	+	12	10	0	Sep

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
33	29.3	-	0	49	23	Sep
40	21.9	-	23	10	45	Sep
59	35.1	-	39	23	8	Sep
2	5.6	-	31	58	1	Sep
2	54.0	-	51	17	0	Sep
21	24.0	-	46	4	0	Sep
22	44.2	-	45	56	53	Sep
28	50.0	-	0	1	12	Sep
29	38.4	-	20	50	13	Sep
31	30.4	-	32	20	46	Sep
36	3.4	+	33	56	54	Sep
37	4.5	+	34	25	1	Sep
54	59.3	-	39	39	45	Sep
57	10.4	-	36	27	45	Sep
57	18.4	-	41	4	15	Sep
2	10.2	-	39	34	11	Oct
4	56.4	+	12	19	0	Oct
16	10.7	-	42	35	5	Oct
18	23.7	-	42	22	15	Oct
18	54.7	-	42	14	21	Oct

Ascension		Declination				Best Month to Observe (10 pm)
(J2000)						
min	sec	dec	d	m	s	
19	21.1	-	42	15	26	Oct
25	53.9	+	42	32	6	Oct
34	30.0	-	36	6	0	Oct
46	23.5	+	3	29	12	Oct
57	49.7	-	32	35	30	Oct