

## Caldwell Object *Observer's Checklist*

Observer:

√ ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√ 0001	00h47m28s	85°15'18"	Cep	OCL	8.1	14	NGC 188, Collinder 6	Personal Sky Atlas chart 1
√ 0002	00h13m01s	72°31'19"	Cep	PNE	12.4	0.6	NGC 40, PN G120.0+09.8	Personal Sky Atlas chart 1
√ 0003	12h16m42s	69°28'00"	Dra	GXY	9.7	19x7	NGC 4236, MCG 12-12-4	Personal Sky Atlas chart 41
√ 0004	21h01m48s	68°11'60"	Cep	BNE	99	18x18	NGC 7023, vdB 139	Personal Sky Atlas chart 71
√ 0005	03h46m48s	68°05'60"	Cam	GXY	9.2	18x17	IC 342, MCG 11-5-3	Personal Sky Atlas chart 11
√ 0006	17h58m36s	66°37'60"	Dra	PNE	8.1	0.3x5.8	NGC 6543, Cat's Eye Nebula	Personal Sky Atlas chart 51
√ 0007	07h36m54s	65°35'60"	Cam	GXY	8.4	18x10	NGC 2403, MCG 11-10-7	Personal Sky Atlas chart 21
√ 0008	01h29m31s	63°18'24"	Cas	OCL	9.5	4	NGC 559, Collinder 13	Personal Sky Atlas chart 1
√ 0009	22h56m48s	62°36'60"	Cep	BNE	99	50x10	Sh 2-155, Cave Nebula	Personal Sky Atlas chart 71
√ 0010	01h46m09s	61°14'06"	Cas	OCL	7.1	16	NGC 663, Collinder 20	Personal Sky Atlas chart 1
√ 0011	23h20m42s	61°12'00"	Cas	BNE	99	15x8	NGC 7635, Bubble Nebula	Personal Sky Atlas chart 71
√ 0012	20h34m48s	60°09'00"	Cep	GXY	8.9	11x10	NGC 6946, Arp 29	Personal Sky Atlas chart 61
√ 0013	01h19m35s	58°17'12"	Cas	OCL	6.4	13	NGC 457, ET Cluster	Personal Sky Atlas chart 3
√ 0014	02h22m18.0s	57°08'12"	Per				NGC 884, Chi Persei	Personal Sky Atlas chart 2
√ 0015	02h19m00s	57°07'42"	Per	OCL	4.3	30x30	NGC 869, h Persei	Personal Sky Atlas chart 2
√ 0016	19h44m48s	50°30'60"	Cyg	PNE	8.8	0.5x2.3	NGC 6826, Blinking Planetary	Personal Sky Atlas chart 62
√ 0017	22h15m18s	49°53'00"	Lac	OCL	6.4	21	NGC 7243, Collinder 448	Personal Sky Atlas chart 73
√ 0018	00h33m12s	48°30'27"	Cas	GXY	9.3	13x8	NGC 147, MCG 8-2-5	Personal Sky Atlas chart 3
√ 0019	00h38m58s	48°20'14"	Cas	GXY	9.2	12x10	NGC 185, MCG 8-2-10	Personal Sky Atlas chart 3
√ 0020	21h53m30s	47°15'60"	Cyg	BNE	99	12x12	IC 5146, Cocoon Nebula	Personal Sky Atlas chart 73

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√ 0021	20h58m48s	44°19'60"	Cyg	BNE	99	120x100	NGC 7000, North American Nebula	Personal Sky Atlas chart 62
√ 0022	12h28m12s	44°05'60"	CVn	GXY	9.4	5x4	NGC 4449, MCG 7-26-9	Personal Sky Atlas chart 43
√ 0023	23h25m54s	42°32'60"	And	PNE	8.3	0.3x2.2	NGC 7662, Blue Snowball	Personal Sky Atlas chart 72
√ 0024	02h22m33s	42°20'54"	And	GXY	9.9	14x3	NGC 891, MCG 7-5-46	Personal Sky Atlas chart 2
√ 0025	03h19m48s	41°30'60"	Per	GXY	11.6	2.6x2	NGC 1275, Perseus A radio source	Personal Sky Atlas chart 13
√ 0026	07h38m06s	38°53'00"	Lyn	GCL	10.4	4.1	NGC 2419, Intergalactic Wanderer	Personal Sky Atlas chart 22
√ 0027	12h17m30s	37°48'60"	CVn	GXY	10.2	16x2.5	NGC 6888, Crescent Nebula	Personal Sky Atlas chart 62
√ 0028	20h12m00s	38°20'60"	Cyg	BNE	99	20x10	NGC 752, Collinder 23	Personal Sky Atlas chart 2
√ 0029	01h57m41s	37°47'06"	And	OCL	5.7	50	NGC 4244, Silver Needle	Personal Sky Atlas chart 43
√ 0030	13h10m54s	37°02'60"	CVn	GXY	9.8	5.4x2	NGC 5005, MCG 6-29-52	Personal Sky Atlas chart 43
√ 0031	22h37m06s	34°25'00"	Peg	GXY	9.5	11x4	IC 405, Flaming Star Nebula	Personal Sky Atlas chart 12
√ 0032	05h16m12s	34°15'60"	Aur	BNE	99	30x19	NGC 7331, MCG 6-49-45	Personal Sky Atlas chart 72
√ 0033	12h42m06s	32°31'60"	CVn	GXY	9.3	15x3	NGC 4631, Whale Galaxy	Personal Sky Atlas chart 43
√ 0034	20h56m24s	31°43'00"	Cyg	SNR	99	60x8	NGC 6992, Veil Nebula (East)	Personal Sky Atlas chart 62
√ 0035	20h45m42s	30°43'00"	Cyg	SNR	99	70x6	NGC 6960, Veil Nebula (West)	Personal Sky Atlas chart 62
√ 0036	13h00m06s	27°59'00"	Com	GXY	11.4	3x2	NGC 4884, MCG 5-31-77	Personal Sky Atlas chart 45
√ 0037	12h36m00s	27°58'00"	Com	GXY	9.8	10x5	NGC 4559, MCG 5-30-30	Personal Sky Atlas chart 45
√ 0038	20h12m00s	26°29'00"	Vul	OCL	5.9	7	NGC 6885, Collinder 417	Personal Sky Atlas chart 64
√ 0039	12h36m18s	25°59'00"	Com	GXY	9.6	16x3	NGC 4565, MCG 4-30-6	Personal Sky Atlas chart 45

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√ 0040	07h29m12s	20°54'60"	Gem	PNE	9.2	0.2x0.7	NGC 2392, Eskimo Nebula	Personal Sky Atlas chart 25
√ 0041	11h20m06s	18°21'00"	Leo	GXY	10.9	3x2	NGC 3626, MCG 3-29-32	Personal Sky Atlas chart 34
√ 0042	21h01m30s	16°10'60"	Del	GCL	10.6	2.8	NGC 7006,	Personal Sky Atlas chart 75
√ 0043	00h03m18s	16°08'60"	Peg	GXY	10.5	6x2	NGC 7814, MCG 3-1-20	Personal Sky Atlas chart 5
√ 0044	04h26m54s	1552'00"	Tau	OCL	0.8	5.5	Collinder 50, Hyades	Personal Sky Atlas chart 15
√ 0045	23h04m54s	12°19'00"	Peg	GXY	11	4x3	NGC 7479, MCG 2-58-60	Personal Sky Atlas chart 74
√ 0046	13h37m30s	08°52'60"	Boo	GXY	10.2	6x4	NGC 5248, MCG 2-35-15	Personal Sky Atlas chart 44
√ 0047	06h39m12s	08°44'00"	Mon	BNE	99	2x1	NGC 2261, Hubble's Variable Nebula	Personal Sky Atlas chart 25
√ 0048	20h34m12s	07°24'00"	Del	GCL	8.9	5.9	NGC 6934,	Personal Sky Atlas chart 64
√ 0049	09h10m18s	07°01'60"	Cnc	GXY	10.3	4.5x3	NGC 2775, MCG 1-24-5	Personal Sky Atlas chart 35
√ 0050	06h32m18s	05°03'00"	Mon	BNE	99	80x60	NGC 2237, Rosette	Personal Sky Atlas chart 25
√ 0051	06h32m24s	04°52'00"	Mon	OCL	4.8	24	NGC 2244, Collinder 99	Personal Sky Atlas chart 25
√ 0052	01h04m48s	02°07'00"	Cet	GXY	9.3	12x11	IC 1613, MCG 0-3-70	Personal Sky Atlas chart 5
√ 0053	12h48m36s	-05°48'00"	Vir	GXY	9.3	6x4	NGC 4697, MCG -1-33-10	Personal Sky Atlas chart 47
√ 0054	10h05m12s	-07°43'00"	Sex	GXY	9.1	8x3	NGC 3115, Spindle Galaxy	Personal Sky Atlas chart 37
√ 0055	08h00m12s	-10°47'00"	Mon	OCL	7.6	7	NGC 2506, Collinder 170	Personal Sky Atlas chart 26
√ 0056	21h04m12s	-11°22'00"	Aqr	PNE	8	0.4x1.6	NGC 7009, Saturn Nebula	Personal Sky Atlas chart 77
√ 0057	00h47m03s	-11°52'19"	Cet	PNE	10.9	3.8	NGC 246, PN G118.8-74.7	Personal Sky Atlas chart 7
√ 0058	19h44m54s	-14°48'00"	Sgr	GXY	8.8	10x9	NGC 6822, Barnard's Galaxy	Personal Sky Atlas chart 66
√ 0059	07h17m48s	-15°37'00"	CMa	OCL	7.2	13	NGC 2360, Collinder 134	Personal Sky Atlas chart 27
√ 0060	10h24m48s	-18°37'60"	Hya	PNE	7.8	0.3x21	NGC 3242, Ghost of Jupiter	Personal Sky Atlas chart 37

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√ 0061	12h01m54s	-18°52'00"	Crv	GXY	10.7	2.6x2	NGC 4038, The Antennae	Personal Sky Atlas chart 47
√ 0062	12h01m54s	-18°52'60"	Crv	GXY	10.7	3x2	NGC 4039, Arp 244	Personal Sky Atlas chart 47
√ 0063	00h47m08s	-20°45'35"	Cet	GXY	9.1	20x7	NGC 247, MCG -4-3-5	Personal Sky Atlas chart 7
√ 0064	22h29m36s	-20°47'60"	Aqr	PNE	7.3	13	NGC 7293, Helix	Personal Sky Atlas chart 77
√ 0065	07h18m48s	-24°57'00"	CMa	OCL	4.1	8	NGC 2362, Collinder 136	Personal Sky Atlas chart 27
√ 0066	00h47m33s	-25°17'18"	ScI	GXY	7.1	25x7	NGC 253, Sculptor Galaxy	Personal Sky Atlas chart 7
√ 0067	14h39m36s	-26°31'60"	Hya	GCL	10.2	3.6	NGC 5694,	Personal Sky Atlas chart 46
√ 0068	02h46m18s	-30°16'60"	For	GXY	9.2	9x7	NGC 1097, Arp 77	Personal Sky Atlas chart 8
√ 0069	19h01m54s	-36°57'00"	CrA	BNE	99	1	NGC 6729, Bernes 159	Personal Sky Atlas chart 69
√ 0070	17h13m42s	-37°05'60"	Sco	PNE	9.6	0.8	NGC 6302, Bug Nebula	Personal Sky Atlas chart 58
√ 0071	00h54m53s	-37°41'03"	ScI	GXY	8.7	20x13	NGC 300, MCG -6-3-5	Personal Sky Atlas chart 9
√ 0072	07h52m18s	-38°32'60"	Pup	OCL	5.8	27	NGC 2477, Collinder 165	Personal Sky Atlas chart 28
√ 0073	00h15m08s	-39°13'12"	ScI	GXY	7.9	32x6	NGC 55, MCG -7-1-13	Personal Sky Atlas chart 9
√ 0074	05h14m06s	-40°02'60"	Col	GCL	7.3	11	NGC 1851,	Personal Sky Atlas chart 18
√ 0075	10h07m42s	-40°26'00"	Vel	PNE	9.4	0.8	NGC 3132, Eight Burst	Personal Sky Atlas chart 39
√ 0076	16h25m36s	-40°40'00"	Sco	OCL	5.8	29	NGC 6124, Collinder 301	Personal Sky Atlas chart 59
√ 0077	16h53m60s	-41°47'60"	Sco	OCL	2.6	15	NGC 6231, Collinder 315	Personal Sky Atlas chart 58
√ 0078	13h25m30s	-43°00'60"	Cen	GXY	7	18x14	NGC 5128, Centaurus A	Personal Sky Atlas chart 49
√ 0079	18h07m60s	-43°42'00"	CrA	GCL	6.6	13	NGC 6541,	Personal Sky Atlas chart 69
√ 0080	10h17m36s	-46°25'00"	Vel	GCL	6.7	18	NGC 3201,	Personal Sky Atlas chart 39
√ 0081	13h26m48s	-47°29'00"	Cen	GCL	3.6	36	NGC 5139, Omega Centauri	Personal Sky Atlas chart 49
√ 0082	17h25m30s	-48°25'00"	Ara	GCL	8.1	7	NGC 6352,	Personal Sky Atlas chart 58
√ 0083	16h41m18s	-48°45'60"	Ara	OCL	5.2	15	NGC 6193,	Personal Sky Atlas chart 58

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√ ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME Collinder 310	NOTES
√ 0084	13h05m24s	-49°28'00"	Cen	GXY	8.7	20x4	NGC 4945, ESO 219 24	Personal Sky Atlas chart 49
√ 0085	13h46m24s	-51°21'60"	Cen	GCL	7.6	9	NGC 5286,	Personal Sky Atlas chart 48
√ 0086	08h40m12s	-53°03'60"	Vel	OCL	2.5	50	IC 2391, Collinder 191	Personal Sky Atlas chart 28
√ 0087	17h40m42s	-53°40'00"	Ara	GCL	5.6	26	NGC 6397,	Personal Sky Atlas chart 58
√ 0088	03h12m18s	-55°13'00"	Hor	GCL	8.4	7	NGC 1261,	Personal Sky Atlas chart 19
√ 0089	15h05m42s	-55°35'60"	Cir	OCL	7.9	10	NGC 5823, Melotte 131	Personal Sky Atlas chart 59
√ 0090	16h18m54s	-57°54'00"	Nor	OCL	5.4	12	NGC 6087, Collinder 300	Personal Sky Atlas chart 59
√ 0091	09h21m24s	-58°18'60"	Car	PNE	99	0.2	NGC 2867, He	Personal Sky Atlas chart 39 2-27
√ 0092	11h06m24s	-58°40'00"	Car	OCL	3	55	NGC 3532, Collinder 238	Personal Sky Atlas chart 38
√ 0093	10h43m48s	-59°51'60"	Car	BNE	99	120x120	NGC 3372, Eta Carinae Nebula	Personal Sky Atlas chart 38
√ 0094	19h10m54s	-59°59'00"	Pav	GCL	5.4	20	NGC 6752, Pavo Globular	Personal Sky Atlas chart 69
√ 0095	12h53m36s	-60°19'60"	Cru	OCL	4.2	10	NGC 4755, Jewel Box	Personal Sky Atlas chart 50
√ 0096	16h03m42s	-60°30'00"	TrA	OCL	5.1	12	NGC 6025, Collinder 296	Personal Sky Atlas chart 60
√ 0097	07h58m18s	-60°51'60"	Car	OCL	3.8	30	NGC 2516, Collinder 172	Personal Sky Atlas chart 30
√ 0098	11h36m06s	-61°36'60"	Cen	OCL	5.3	12	NGC 3766, Collinder 248	Personal Sky Atlas chart 40
√ 0099	12h42m18s	-62°58'00"	Cru	OCL	6.9	5	NGC 4609, Collinder 263	Personal Sky Atlas chart 50
√ 0100	12h52m60s	-63°00'00"	Cru	DNE	99	400x300	IC 2944, Lambda Centauri Nebula,	Personal Sky Atlas chart 40
√ 0101	11h36m36s	-63°01'60"	Cen	OCL	4.5	15	Coalsack, DC 300.7-001.0	Personal Sky Atlas chart 50
√ 0102	19h09m48s	-63°50'60"	Pav	GXY	8.3	16x10	NGC 6744, ESO 104 42	Personal Sky Atlas chart 70
√ 0103	10h43m12s	-64°24'00"	Car	OCL	1.9	50	IC 2602, Collinder 229	Personal Sky Atlas chart 40
√ 0104	05h38m42s	-69°05'60"	Dor	BNE	99	40x25	NGC 2070, Tarantula Nebula	Personal Sky Atlas chart 20

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√ ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√ 0105	01h03m14s	-70°50'54"	Tuc	GCL	6.6	13	NGC 362,	Personal Sky Atlas chart 10
√ 0106	12h59m36s	-70°52'60"	Mus	GCL	7.3	14	NGC 4833,	Personal Sky Atlas chart 50
√ 0107	00h24m05s	-72°04'52"	Tuc	GCL	4	31	NGC 104, 47 Tucanae	Personal Sky Atlas chart 10
√ 0108	16h25m48s	-72°11'60"	Aps	GCL	9.3	11	NGC 6101,	Personal Sky Atlas chart 60
√ 0109	12h25m48s	-72°39'60"	Mus	GCL	7.8	19	NGC 4372,	Personal Sky Atlas chart 50
√ 0110	10h09m30s	-80°52'00"	Cha	PNE	99	0.6	NGC 3195, He 2-44	Personal Sky Atlas chart 40