

## OAOG Challenge - Level 1 Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
221	M32	AND	GX	00:42:41	40:52:00	8.2	7.9		E	1	All Year	Aug14-Oct2-Dec29	Apr3-Mar30	
224	M31	AND	GX	00:42:41	41:16:01	3.4	170		Sb	1	All Year	Aug14-Oct2-Dec29	All Year	Andromeda Galaxy
7089	M2	AQR	GC	21:33:28	-00:49:06	6	6.9			1	Mar13-Jan25	Jul12-Aug15-Nov9	Apr6-Jan17	
1912	M38	AUR	OC	05:28:42	35:50:00	6.4	20	160		1	Jul8-May23	Oct5-Dec13-Feb22	Jul18-May13	
1960	M36	AUR	OC	05:36:06	34:07:59	6	11	50		1	Jul12-May22	Oct6-Dec15-Feb24	Jul21-May13	Pinwheel Cluster
2099	M37	AUR	OC	05:52:24	32:32:58	5.6	23	1842		1	Jul17-May23	Oct9-Dec19-Feb27	Jul26-May14	Salt-and-Pepper Cluster
2287	M41	CMA	OC	06:47:01	-20:44:15	4.5	36	69		1	Sep7-Apr21	Oct20-Jan2-Mar9	Sep16-Apr12	
2632	M44	CNC	OC	08:40:07	19:58:53	3.1	89	161		1	Aug26-Jun11	Nov11-Jan31-Mar30	Sep3-Jun2	Praesepe/Behive Cluster
5194	M51	CVN	GX	13:29:54	47:11:48	8.1	10		Sc	1	All Year	Jan13-Apr14-May19	All Year	Whirlpool Galaxy
5272	M3	CVN	GC	13:42:12	28:22:50	6	17			1	All Year	Jan17-Apr17-May21	Oct23-Oct16	
6913	M29	CYG	OC	20:23:52	38:31:53	7	6.9	81		1	All Year	Jun29-Jul28-Oct13	All Year	Cooling Tower Cluster
2168	M35	GEM	OC	06:08:54	24:19:55	5.1	29	434		1	Jul27-May18	Oct13-Dec24-Mar2	Aug4-May10	
6205	M13	HER	GC	16:41:41	36:27:49	5.7	22			1	All Year	Apr1-Jun2-Jun27	All Year	Hercules Cluster
6341	M92	HER	GC	17:17:05	43:07:48	6.5	7.9			1	All Year	Apr21-Jun11-Jul8	All Year	
2548	M48	HYA	OC	08:13:49	-05:48:10	5.8	38	37		1	Sep9-May18	Nov6-Jan24-Mar25	Sep18-May10	
1976	M42	ORI	NB	05:35:24	-05:27:13	4	59			1	Aug12-Apr21	Oct6-Dec15-Feb24	Aug20-Apr13	Orion Nebula
1982	M43	ORI	NB	05:35:36	-05:16:17	9	19			1	Aug12-Apr21	Oct6-Dec15-Feb24	Aug20-Apr13	
7078	M15	PEG	GC	21:29:58	12:09:54	6.5	9.5			1	Feb16-Feb4	Jul12-Aug14-Nov8	Mar7-Jan26	
869		PER	OC	02:18:59	57:09:06	3.5	29	217		1	All Year	Aug31-Oct26-Jan17	All Year	Sword Handle (h Persei)
884		PER	OC	02:22:23	57:07:06	3.6	29	303		1	All Year	Aug31-Oct27-Jan18	All Year	Chi Persei
1039	M34	PER	OC	02:41:59	42:47:03	5.2	29	50		1	All Year	Sep4-Nov1-Jan22	May29-Apr23	Spinal Cluster
2422	M47	PUP	OC	07:36:37	-14:30:12	4.4	29	117		1	Sep10-May5	Oct30-Jan15-Mar18	Sep19-Apr27	
2437	M46	PUP	OC	07:41:49	-14:49:12	6.1	26	186		1	Sep11-May6	Oct31-Jan16-Mar19	Sep20-Apr27	
6121	M4	SCO	GC	16:23:25	-26:31:52	5.9	25			1	Jan7-Sep23	Mar21-May28-Jun22	Jan24-Aug20	
6405	M6	SCO	OC	17:40:05	-32:12:52	4.6	24	331		1	Feb15-Oct8	May4-Jun17-Jul17	Mar26-Aug24	Butterfly Cluster
6475	M7	SCO	OC	17:53:53	-34:48:52	5	59	54		1	Mar5-Oct1	May12-Jun20-Jul24	-	
6705	M11	SCT	OC	18:51:05	-06:16:01	6	11	682		1	Jan19-Dec18	Jun5-Jul5-Aug25	Feb2-Dec8	Wild Duck Cluster

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5904	M5	SER	GC	15:18:36	02:04:58	6.2	12			1	Nov23-Oct28	Feb19-May12-Jun8	Dec2-Oct9	
6611	M16	SER	NB	18:18:47	-13:46:59	6	6.9			1	Jan19-Dec2	May23-Jun27-Aug6	Feb3-Nov19	Eagle Nebula
6514	M20	SGR	NB	18:02:17	-23:01:55	6.3	24			1	Jan29-Nov13	May16-Jun22-Jul28	Feb18-Oct25	Trifid Nebula
6523	M8	SGR	NB	18:03:47	-24:22:55	5	76			1	Feb2-Nov11	May17-Jun23-Jul29	Feb23-Oct21	Lagoon Nebula
6530		SGR	OC	18:04:47	-24:19:55	4.6	14	113		1	Feb2-Nov11	May17-Jun23-Jul29	Feb23-Oct21	
6618	M17	SGR	NB	18:20:47	-16:10:58	6	44			1	Jan23-Nov30	May24-Jun27-Aug7	Feb9-Nov16	Swan or Omega Nebula
IC4725	M25	SGR	OC	18:31:35	-19:14:58	6	19	601		1	Feb1-Nov28	May29-Jun30-Aug13	Feb20-Nov13	
6656	M22	SGR	GC	18:36:22	-23:53:56	6	17			1	Feb12-Nov22	May31-Jul1-Aug16	Mar8-Nov4	
Mel22	M45	TAU	OC	03:45:48	24:21:56	1.5	89			1	Jul2-Apr24	Sep16-Nov18-Feb3	Jul11-Apr16	Pleiades Cluster
MEL25		TAU	OC	04:26:54	15:51:53	0.5	1300	380		1	Jul16-Apr25	Sep23-Nov28-Feb11	Jul23-Apr17	Hyades Cluster
3031	M81	UMA	GX	09:55:38	69:03:56	6.9	25		Sb	1	All Year	Nov26-Feb19-Apr13	All Year	Bode's Galaxy
3034	M82	UMA	GX	09:55:50	69:40:56	8.4	8.5		Irr	1	All Year	Nov26-Feb19-Apr13	All Year	Bode's Galaxy
6853	M27	VUL	PN	19:59:34	22:42:53	8	8			1	All Year	Jun24-Jul22-Oct2	All Year	Dumbell Nebula