Andromeda

Sternkarten / Star maps

Astronomische Daten für diese Karten stammen von frei verfügbaren Datenbanken im Internet
Astronomical data for this sky atlas were taken from free database sources on the internet

Objektkataloge / Object databases:
Centre de Données astronomiques de Strasbourg - http://cdsweb.u-strasbg.fr
Saguaro Astronomy Club: SAC Database 7.70 - http://www.saguaroastro.org

Sternkatalog / Star database:
Star Database: SKY2000 Catalog, Version 4 (Myers+ 2002)
http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=V/109

An den Karten haben mitgewirkt / People that have been working on the maps:
Fred Van Gestel (author), Dennis Wallace (PDF and data base editing)

ANDROMEDA constellation index (objects up to 12^m0)

15 Objects

Open clusters

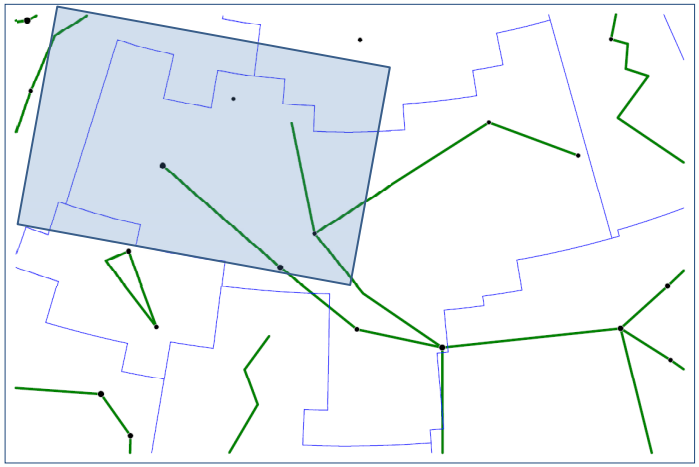
Object	Const.	Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C28	AND		And 1-1 And 2-1	5.70	50'	n. eye				1500 Ly	752
H395	AND		And 1-2 And 1-3	5.60	15'						7686
N272	AND		And 1-1 And 1-3 And 2-1 And 2-2 And 2-3	8.50							272
N956	AND		And 1-1	8.90							956
4 open clusters											

Galaxies

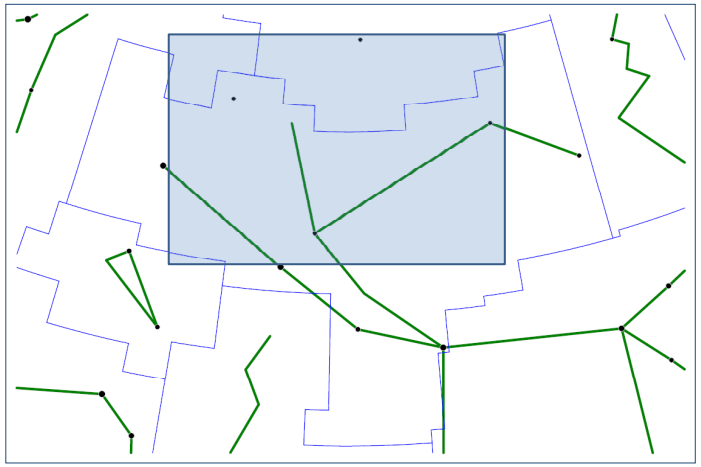
Object	Const.	Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C23	AND		And 1-1	9.90	10'x2'	63 mm				40 Mio. Ly	891
H14	AND		And 1-1 And 1-2 And 2-1 And 2-2	10.10	4.3'						404
I239	AND		And 1-1 And 2-1	11.10							IC239
M110	AND		And 1-1 And 1-2 And 1-3 And 2-2	8.50	10'x5'	10x50				3 Mio. Ly	205
M31	AND	Andromeda galaxy	And 1-1 And 1-2 And 1-3 And 2-2 And 2-3	3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND		And 1-1 And 1-2 And 1-3 And 2-1 And 2-2 And 2-3	8.10	4'x3'	8x30				3 Mio. Ly	221
MCG +08-01-016	AND		And 1-2 And 1-3	12.00							-
MCG +08-01-018	AND		And 1-2 And 1-3	12.00							-
N7640	AND		And 1-3 And 2-3	11.30	4'x1'	120 mm				45 Mio. Ly	7640
N812	AND		And 1-1	11.20							812
10 galaxies											

Planetary nebula

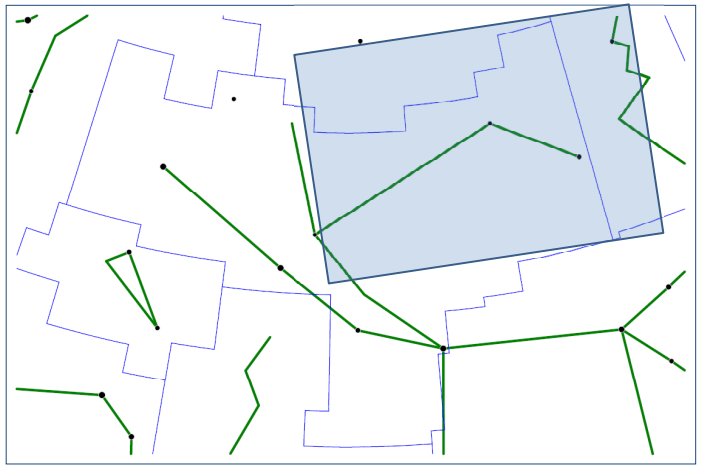
Object	Const.	Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C22	AND	Blue snowball	And 1-3	8.30	0.5'	80 mm	+	+	-	1000 Ly	7662
1 planetary nebula											



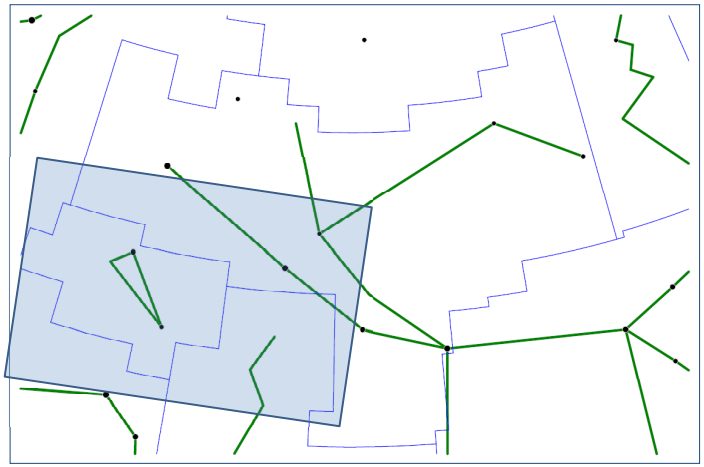
And 1-1



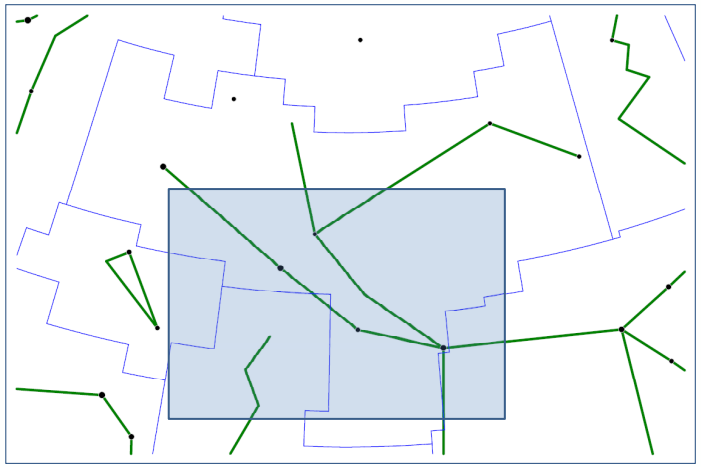
And 1-2



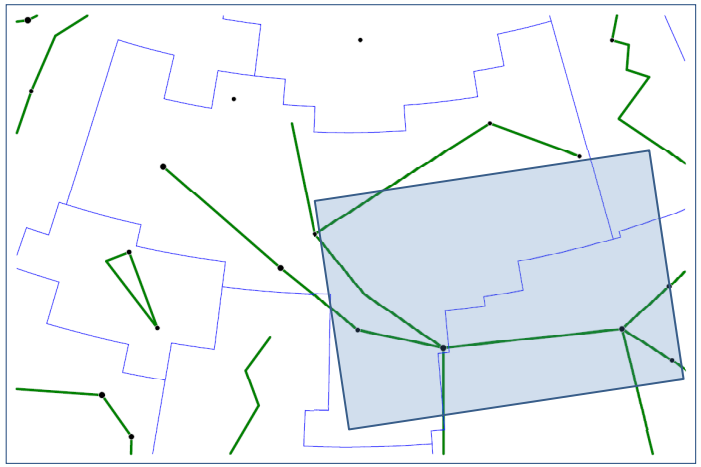
And 1-3



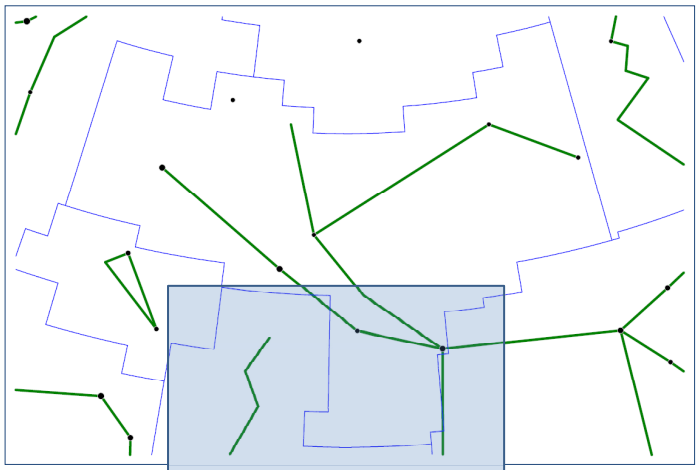
And 2-1



And 2-2

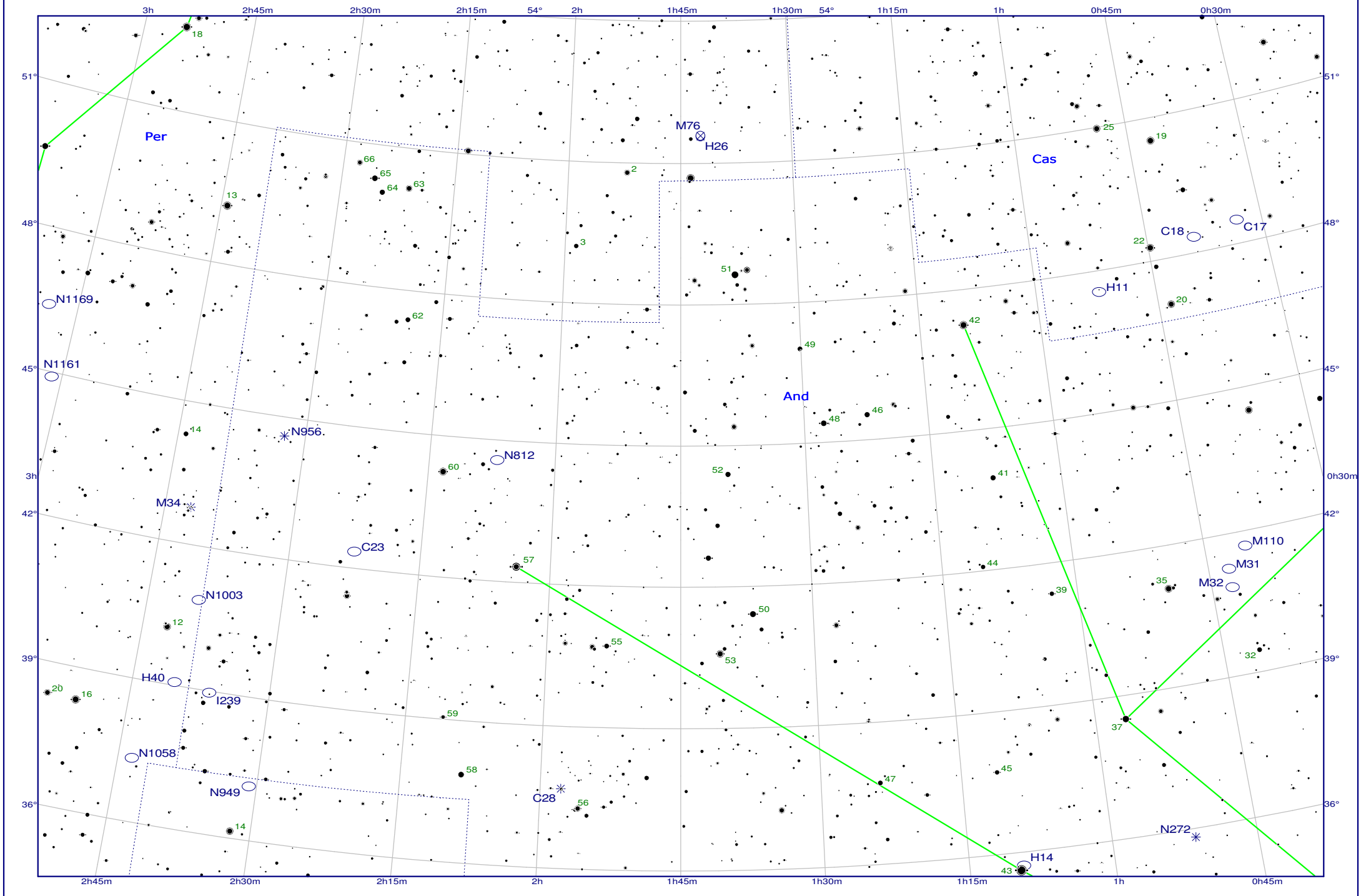


And 2-3



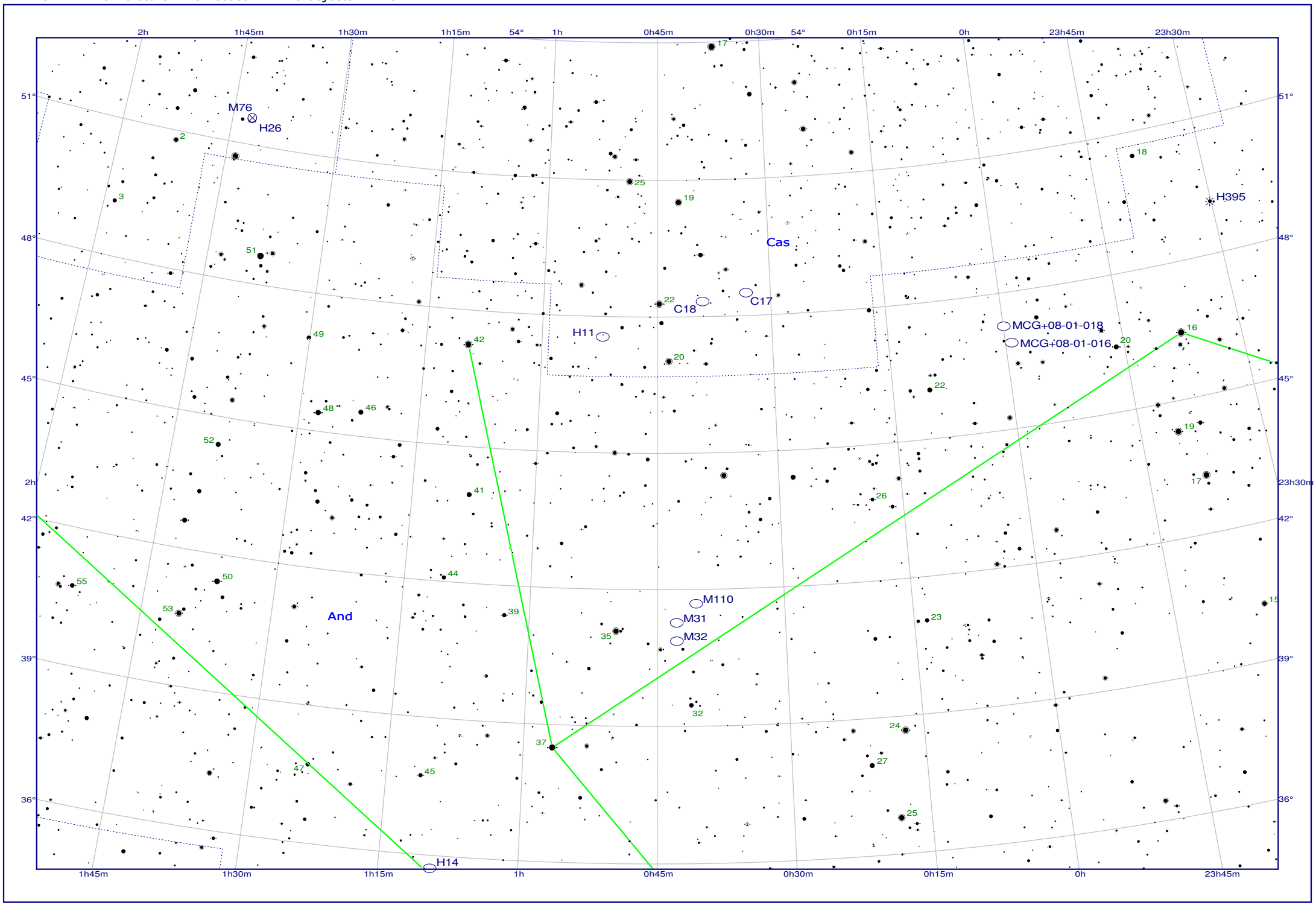
And 3-1

Star map history	
V 1.01 (2013)	Initial release
V 1.02 (2014)	Bigger fonts, increased readability



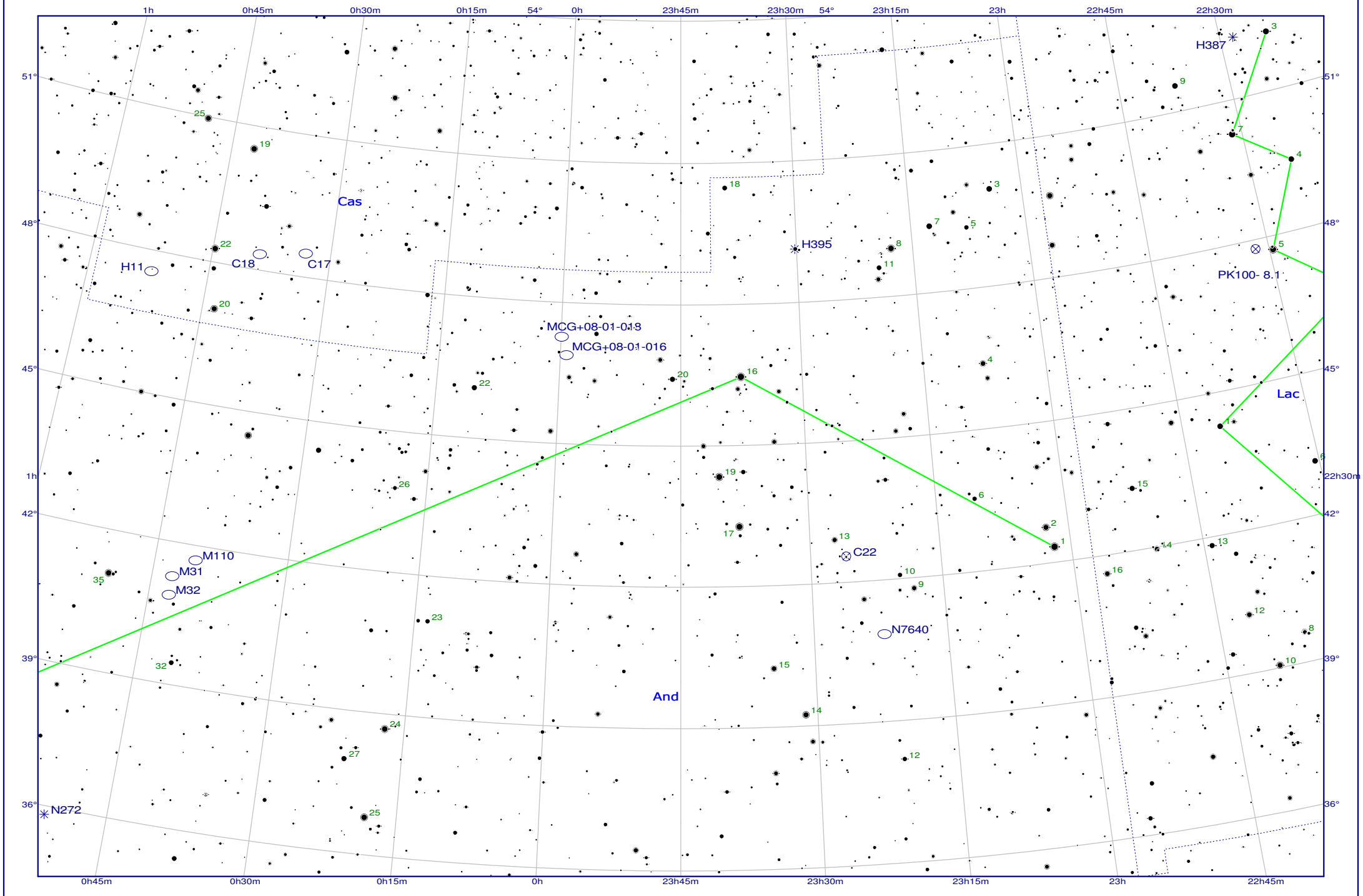
And 1-1

ANDROMEDA - 9m0 stars - Flamsteed - 12m0 objects - v1.02

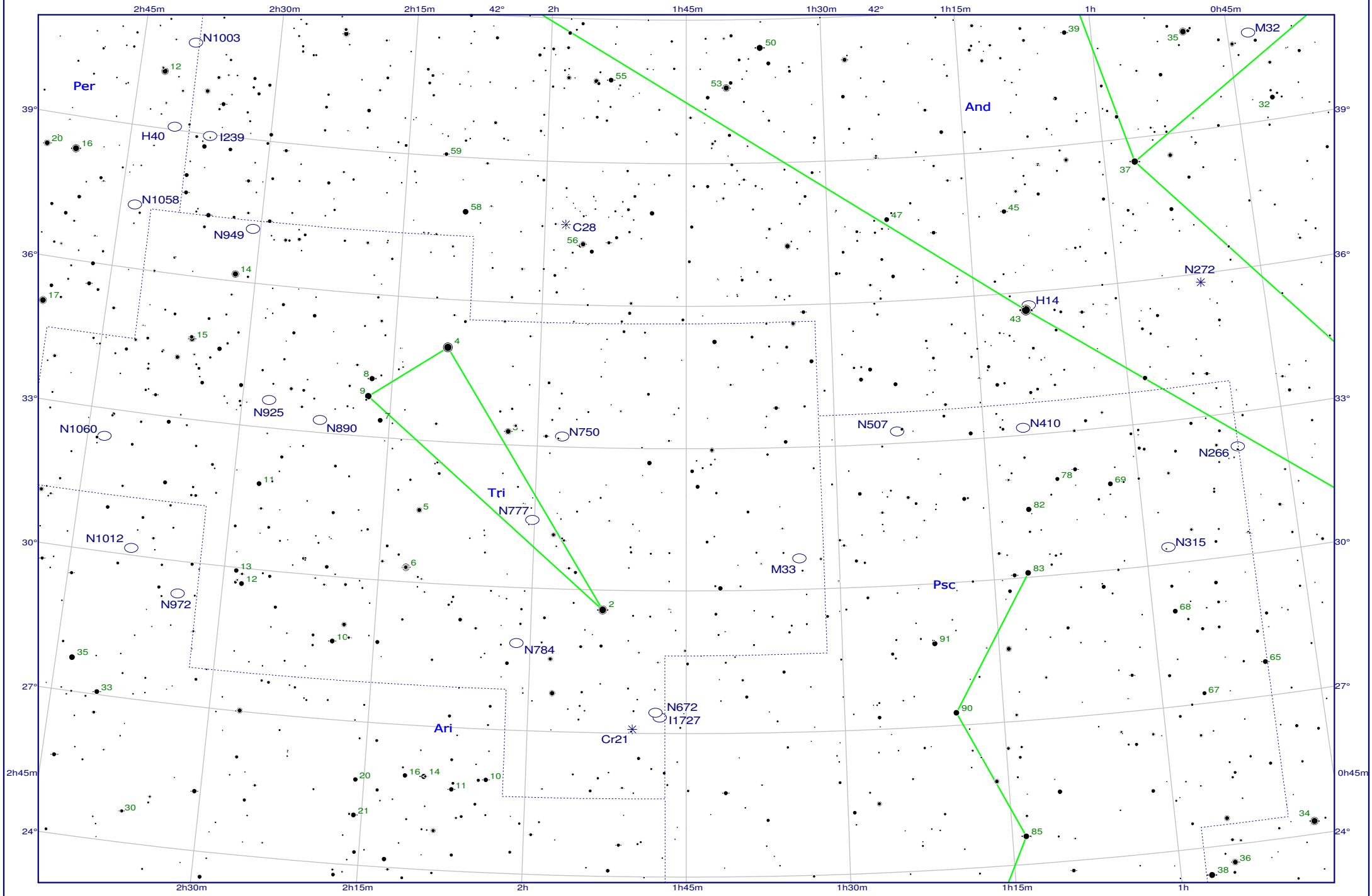


And 1-2

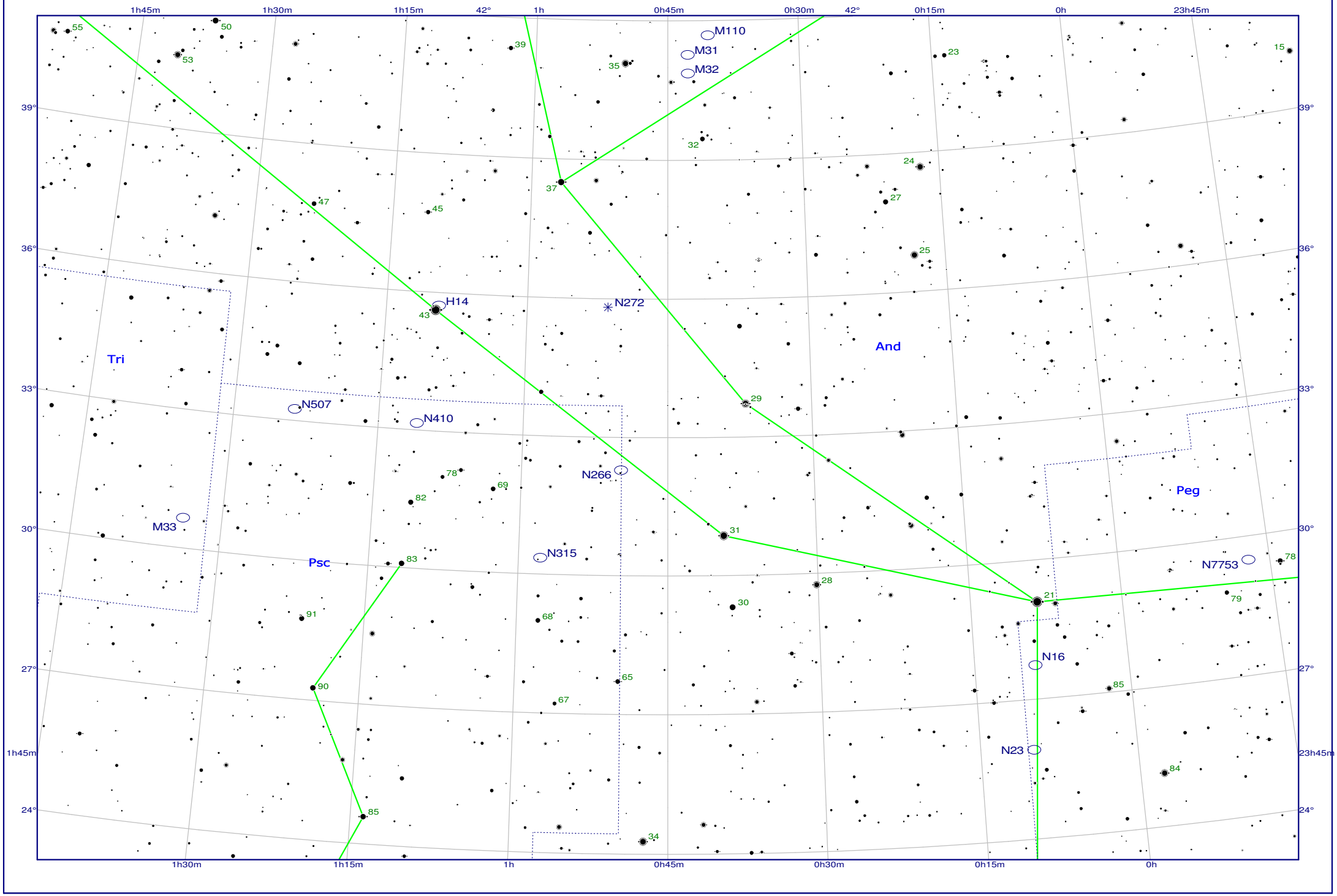
ANDROMEDA - 9m0 stars - Flamsteed - 12m0 objects - v1.02



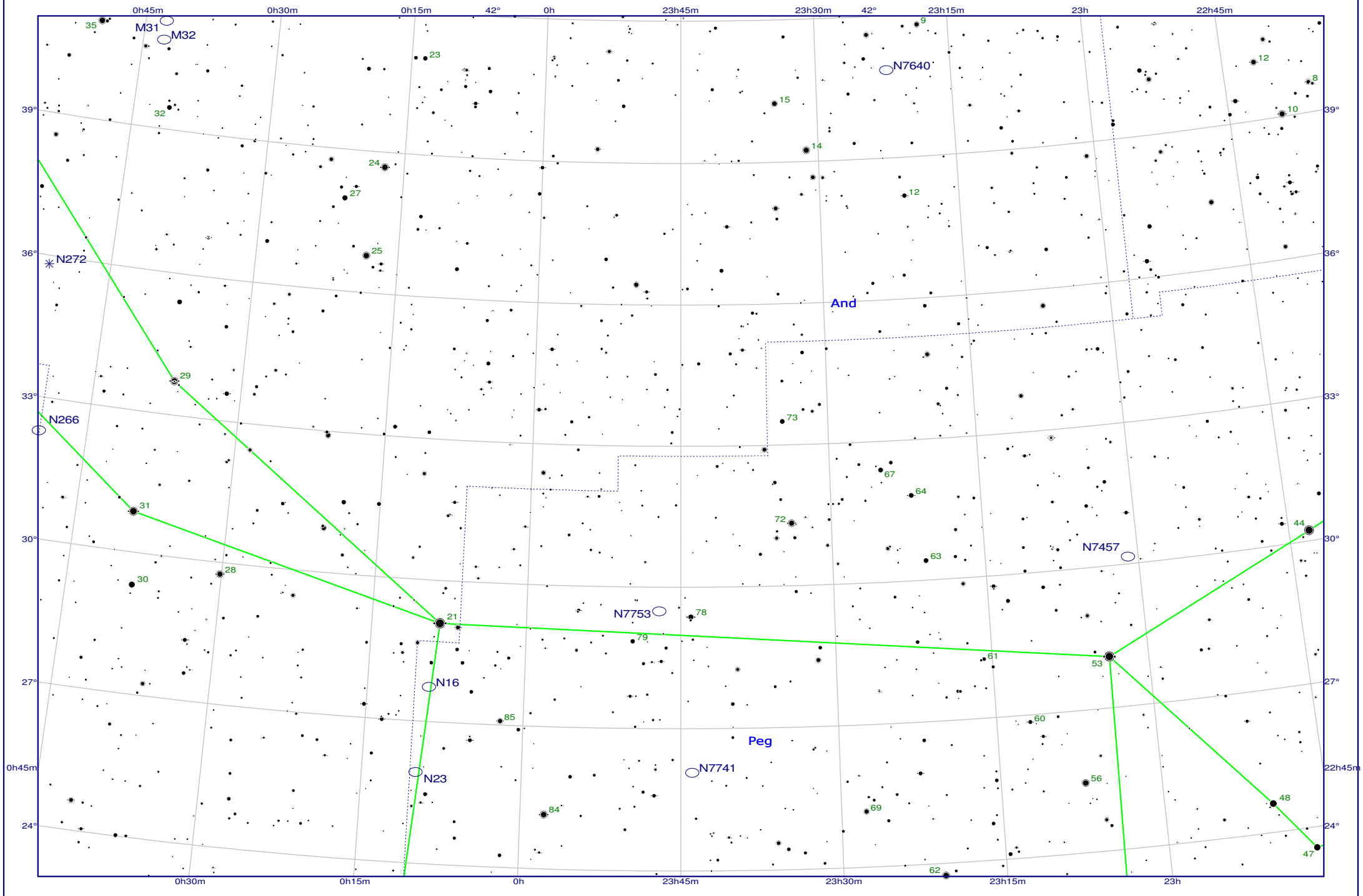
And 1-3



And 2-1

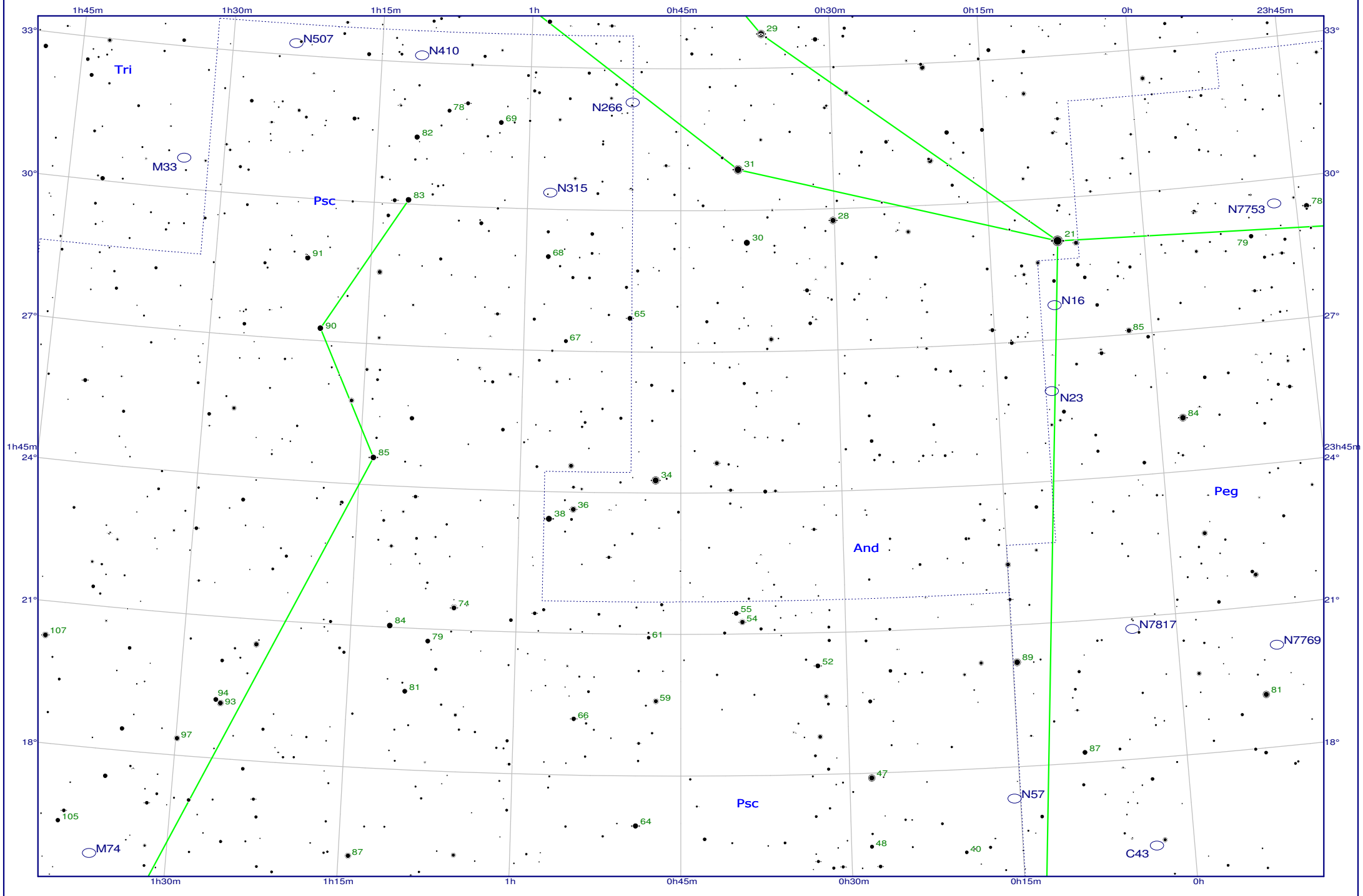


And 2-2



And 2-3

ANDROMEDA - 9m0 stars - Flamsteed - 12m0 objects - v1.02



And 3-1

And 1-1 — 22 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C28	AND			5.70	50'	n. eye				1500 Ly	752
M34	PER			5.50	35'	n. eye				1500 Ly	1039
N272	AND			8.50							272
N956	AND			8.90							956
4 open clusters											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C17	CAS			9.30	13'x7'					2.3 Mio. ly	147
C18	CAS			9.20	8'x7'					2.3 Mio. Ly	185
C23	AND			9.90	10'x2'	63 mm				40 Mio. Ly	891
H11	CAS			10.90	2.4'						278
H14	AND			10.10	4.3'						404
H40	PER			9.50	8.1'						1023
I239	AND			11.10							IC239
M110	AND			8.50	10'x5'	10x50				3 Mio. Ly	205
M31	AND	Andromeda galaxy		3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
N1003	PER			11.40							1003
N1058	PER			11.20							1058
N1161	PER			11.00							1161
N1169	PER			11.30							1169
N812	AND			11.20							812
N949	TRI			11.80							949
16 galaxies											

Planetary nebula

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H26	PER			12.00	163''						651
M76	PER	Little dumbell		10.10	1'	10x50	++	++	-	4000 Ly	650
2 planetary nebula											

And 1-2

12 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H395	AND			5.60	15'						7686
1 open cluster											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C17	CAS			9.30	13'x7'					2.3 Mio. ly	147
C18	CAS			9.20	8'x7'					2.3 Mio. Ly	185
H11	CAS			10.90	2.4'						278
H14	AND			10.10	4.3'						404
M110	AND			8.50	10'x5'	10x50				3 Mio. Ly	205
M31	AND	Andromeda galaxy		3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
MCG +08-01-016	AND			12.00							-
MCG +08-01-018	AND			12.00							-
9 galaxies											

Planetary nebula

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H26	PER			12.00	163''						651
M76	PER	Little dumbell		10.10	1'	10x50	++	++	-	4000 Ly	650
2 planetary nebula											

And 1-3 — 14 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H387	LAC			10.00	4'						7296
H395	AND			5.60	15'						7686
N272	AND			8.50							272
3 open clusters											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C17	CAS			9.30	13'x7'					2.3 Mio. ly	147
C18	CAS			9.20	8'x7'					2.3 Mio. Ly	185
H11	CAS			10.90	2.4'						278
M110	AND			8.50	10'x5'	10x50				3 Mio. Ly	205
M31	AND	Andromeda galaxy		3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
MCG +08-01-016	AND			12.00							-
MCG +08-01-018	AND			12.00							-
N7640	AND			11.30	4'x1'	120 mm				45 Mio. Ly	7640
9 galaxies											

Planetary nebula

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C22	AND	Blue snowball		8.30	0.5'	80 mm	+	+	-	1000 Ly	7662
PK 100- 8.1	LAC		Stellar	11.90	5''						-
2 planetary nebula											

And 2-1 — 25 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C28	AND			5.70	50'	n. eye				1500 Ly	752
Cr 21	TRI			8.20							-
N272	AND			8.50							272
3 open clusters											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H14	AND			10.10	4.3'						404
H40	PER			9.50	8.1'						1023
I1727	TRI			11.50							IC1727
I239	AND			11.10							IC239
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
M33	TRI			5.70	30'x20'	n. eye				3 Mio. Ly	598
N1003	PER			11.40							1003
N1012	ARI			12.00							1012
N1058	PER			11.20							1058
N1060	TRI			11.80							1060
N266	PSC			11.60							266
N315	PSC			11.20							315
N410	PSC			11.50							410
N507	PSC			11.20							507
N672	TRI			10.90							672
N750	TRI			11.90							750
N777	TRI			11.40							777
N784	TRI			11.70							784
N890	TRI			11.20							890
N925	TRI			10.10							925
N949	TRI			11.80							949
N972	ARI			11.40							972
22 galaxies											

And 2-2 — 13 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N272	AND			8.50							272
1 open cluster											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H14	AND			10.10	4.3'						404
M110	AND			8.50	10'x5'	10x50				3 Mio. Ly	205
M31	AND	Andromeda galaxy		3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
M33	TRI			5.70	30'x20'	n. eye				3 Mio. Ly	598
N16	PEG			12.00							16
N23	PEG			12.00							23
N266	PSC			11.60							266
N315	PSC			11.20							315
N410	PSC			11.50							410
N507	PSC			11.20							507
N7753	PEG			12.00							7753
12 galaxies											

And 2-3 — 10 Objects

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N272	AND			8.50							272
1 open cluster											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
M31	AND	Andromeda galaxy		3.40	3°x1°	n. eye				3 Mio. Ly	224
M32	AND			8.10	4'x3'	8x30				3 Mio. Ly	221
N16	PEG			12.00							16
N23	PEG			12.00							23
N266	PSC			11.60							266
N7457	PEG			11.20							7457
N7640	AND			11.30	4'x1'	120 mm				45 Mio. Ly	7640
N7741	PEG			11.30							7741
N7753	PEG			12.00							7753
9 galaxies											

And 3-1 — 13 Objects

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C43	PEG			10.50	5'x2'					49 Mio. Ly	7814
M33	TRI			5.70	30'x20'	n. eye				3 Mio. Ly	598
M74	PSC			9.40	3.5'	50 mm				30 Mio. Ly	628
N16	PEG			12.00							16
N23	PEG			12.00							23
N266	PSC			11.60							266
N315	PSC			11.20							315
N410	PSC			11.50							410
N507	PSC			11.20							507
N57	PSC			11.60							57
N7753	PEG			12.00							7753
N7769	PEG			12.00							7769
N7817	PEG			11.80							7817
13 galaxies											