

Canes Venatici

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)

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Globular clusters

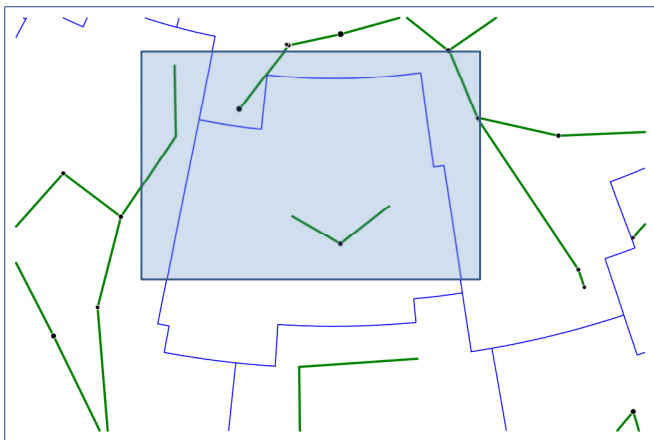
Object	Const.	Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
M3	CVN		CVn 2-1	6.20	7'	3.5x15				30000 Ly	5272

1 globular cluster

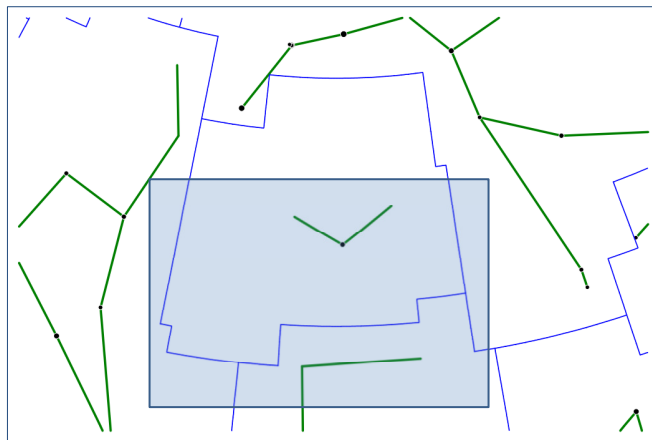
Galaxies

Object	Const.	Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C21	CVN		CVn 1-1	9.40	3'x2'	10x50				16 Mio. Ly	4449
C26	CVN		CVn 1-1 CVn 2-1	10.20	16'x1'					10 Mio. Ly	4244
C29	CVN		CVn 1-1 CVn 2-1	9.80	5'x2'					69 Mio. Ly	5005
C32	CVN	Humpback Whale galaxy	CVn 2-1	9.30	10'x2'	10x50				35 Mio. Ly	4631
H210	CVN		CVn 1-1 CVn 2-1	10.80	4.6'						4111
H211	CVN		CVn 1-1 CVn 2-1	12.00	2.9'						4143
H214	CVN		CVn 1-1 CVn 2-1	10.40	6.8'						4151
H217	CVN		CVn 1-1 CVn 2-1	9.70	8.4'						4214
H230	CVN		CVn 1-1	12.00	3.2'						4346
H249	CVN		CVn 1-1 CVn 2-1	12.00	1.5'	80 mm				40 Mio. Ly	4485
H250	CVN		CVn 1-1 CVn 2-1	9.80	4'x2'	10x50				40 Mio. Ly	4490
H264	CVN		CVn 1-1 CVn 2-1	10.80	4.2'						4618
H269	CVN		CVn 2-1	10.40	15.3'						4656
H282	CVN		CVn 1-1	12.00	1.6'						4800
H290	CVN		CVn 1-1 CVn 2-1	10.10	9.8'						5033
H292	CVN		CVn 1-1	9.60	5.9'						5195
H294	CVN		CVn 1-1 CVn 2-1	11.60	2.7'						5273
M106	CVN		CVn 1-1	8.40	8'x3.5'	10x50				30 Mio. Ly	4258
M51	CVN	Whirlpool galaxy	CVn 1-1	8.40	8'x4'	8x30				30 Mio. Ly	5194
M63	CVN	Sunflower galaxy	CVn 1-1 CVn 2-1	8.60	4'x2.5'	10x50				30 Mio. Ly	5055
M94	CVN		CVn 1-1 CVn 2-1	8.20	3'	8x30				20 Mio. Ly	4736
N4138	CVN		CVn 1-1	11.30							4138
N4145	CVN		CVn 1-1 CVn 2-1	11.30							4145
N4217	CVN		CVn 1-1	11.20	8'x1'	100 mm				45 Mio. Ly	4217
N4220	CVN		CVn 1-1	11.40	1.5'x1'	10 mm				50 Mio. Ly	4220
N4228	CVN		CVn 1-1 CVn 2-1	10.20							4228
N4242	CVN		CVn 1-1	10.80							4242
N4369	CVN		CVn 1-1 CVn 2-1	11.70							4369
N4389	CVN		CVn 1-1	11.70							4389
N4395	CVN		CVn 2-1	10.20							4395
N4460	CVN		CVn 1-1	11.30							4460
N4657	CVN		CVn 2-1	10.60							4657
N4914	CVN		CVn 1-1 CVn 2-1	11.60							4914
N5127	CVN		CVn 2-1	11.90							5127
N5198	CVN		CVn 1-1	11.80							5198
N5297	CVN		CVn 1-1	11.80							5297
N5313	CVN		CVn 1-1 CVn 2-1	12.00							5313
N5326	CVN		CVn 1-1 CVn 2-1	11.90							5326
N5350	CVN		CVn 1-1 CVn 2-1	11.30							5350
N5353	CVN		CVn 1-1 CVn 2-1	11.00							5353
N5354	CVN		CVn 1-1 CVn 2-1	11.40							5354
N5371	CVN		CVn 1-1 CVn 2-1	10.60							5371
N5375	CVN		CVn 2-1	11.50							5375
N5377	CVN		CVn 1-1	11.30							5377
N5383	CVN		CVn 1-1 CVn 2-1	11.40							5383
N5390	CVN		CVn 1-1 CVn 2-1	11.30							5390
N5395	CVN		CVn 1-1 CVn 2-1	11.40							5395
N5444	CVN		CVn 1-1 CVn 2-1	11.90							5444

48 galaxies

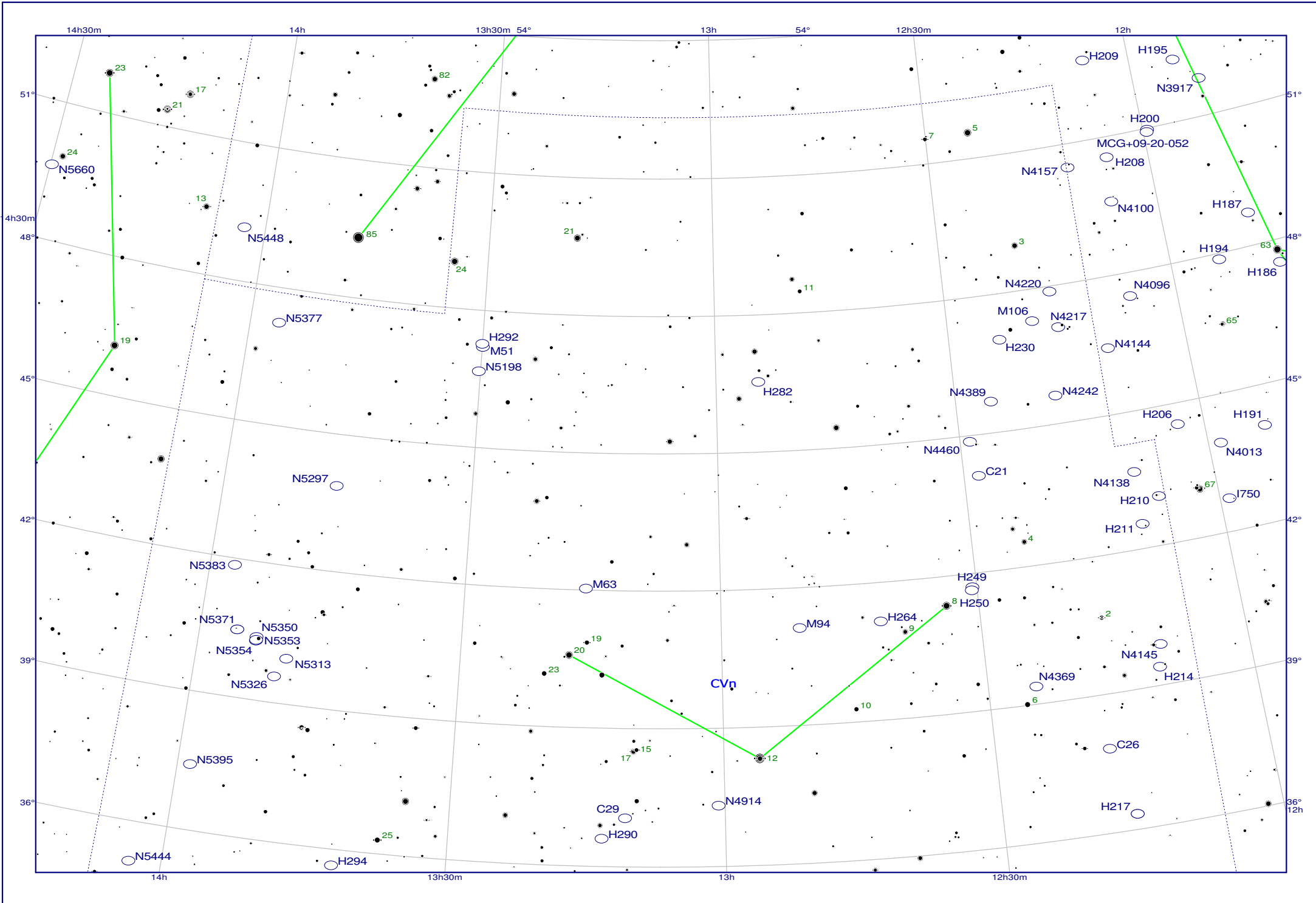


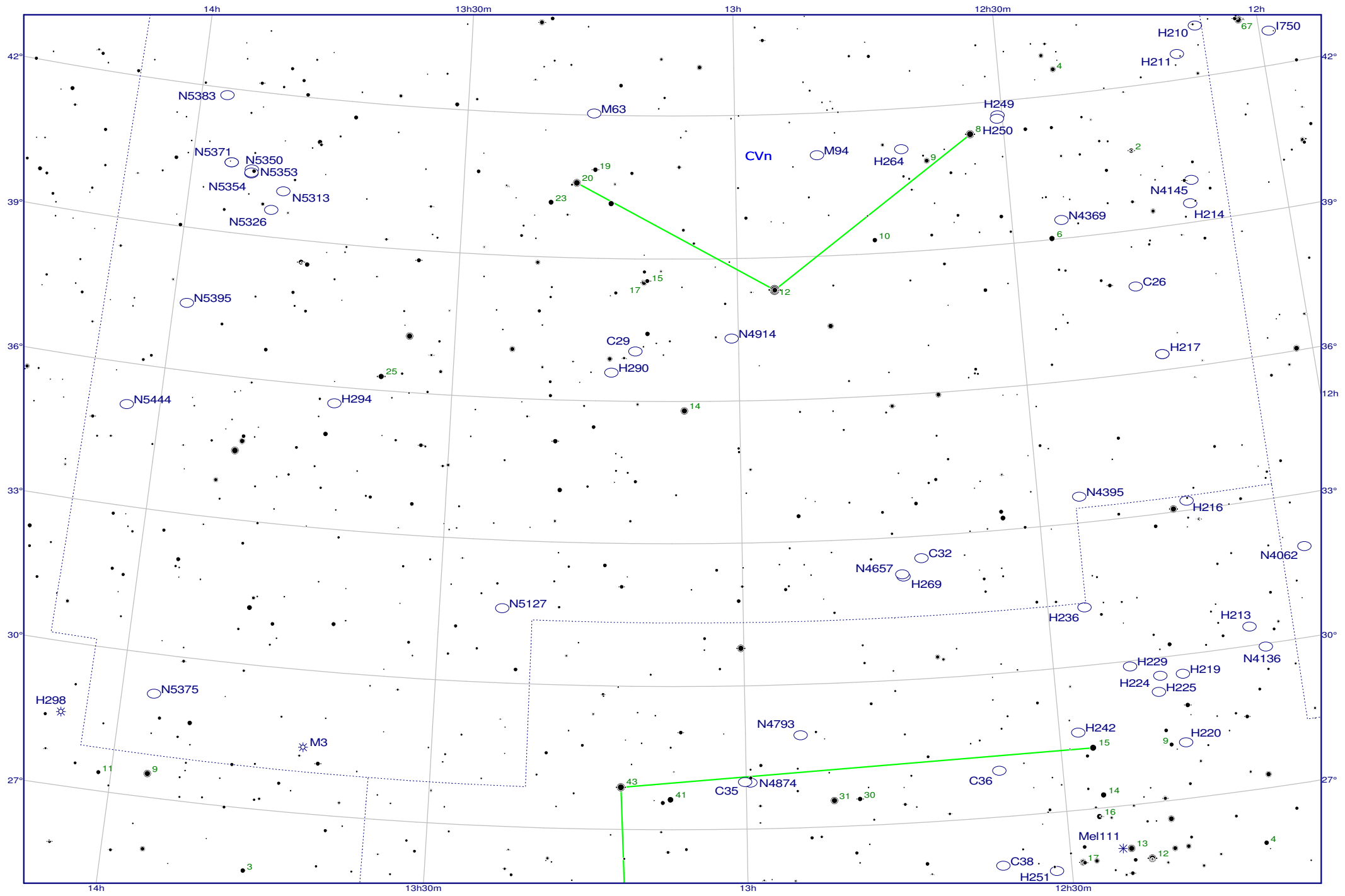
CVn 1-1



CVn 2-1

Star map history	
V 1.00 (2010)	Initial release
V 1.01 (2014)	Bigger fonts, increased readability N4228 removed (= H217 / N4214) N5390 removed (= N5371)





Galaxies											
Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C21	CVN			9.40	3'x2'	10x50				16 Mio. Ly	4449
C26	CVN		pretty bright, very large	10.20	16'x1'					10 Mio. Ly	4244
C29	CVN		very bright, very large, south brighter middel nucleus	9.80	5'x2'					69 Mio. Ly	5005
H186	UMA			12.00	5.3'						3877
H187	UMA			11.00	4.5'						3893
H191	UMA			10.40	5.1'						3938
H194	UMA			11.00	2.9'						3949
H195	UMA			10.10	3'x2'	10x50				56 Mio. Ly	3953
H200	UMA			12.00	4.7'						4026
H206	UMA			10.30	5.3'						4051
H208	UMA			10.50	3'x1'	63 mm				54 Mio. Ly	4088
H209	UMA			12.00	3.1'						4102
H210	CVN			10.80	4.6'						4111
H211	CVN			12.00	2.9'						4143
H214	CVN			10.40	6.8'						4151
H217	CVN			9.70	8.4'						4214
H230	CVN			12.00	3.2'						4346
H249	CVN			12.00	1.5'	80 mm				40 Mio. Ly	4485
H250	CVN			9.80	4'x2'	10x50				40 Mio. Ly	4490
H264	CVN			10.80	4.2'						4618
H282	CVN			12.00	1.6'						4800
H290	CVN			10.10	9.8'						5033
H292	CVN			9.60	5.9'						5195
H294	CVN			11.60	2.7'						5273
I750	UMA			11.90							IC750
M106	CVN		Supermassive black hole	8.40	8'x3.5'	10x50				30 Mio. Ly	4258
M51	CVN	Whirlpool galaxy		8.40	8'x4'	8x30				30 Mio. Ly	5194
M63	CVN	Sunflower galaxy		8.60	4'x2.5'	10x50				30 Mio. Ly	5055
M94	CVN			8.20	3'	8x30				20 Mio. Ly	4736
MCG +09-20-052	UMA			11.70							-
N3917	UMA			11.80							3917
N4013	UMA			11.20							4013
N4096	UMA			10.90							4096
N4100	UMA			11.20							4100
N4138	CVN			11.30							4138
N4144	UMA			11.60							4144
N4145	CVN			11.30							4145
N4157	UMA			11.40							4157
N4217	CVN			11.20	8'x1'	100 mm				45 Mio. Ly	4217
N4220	CVN			11.40	1.5'x1'	10 mm				50 Mio. Ly	4220
N4228	CVN		see H217 (N4214)	10.20							4228
N4242	CVN			10.80							4242
N4369	CVN			11.70							4369
N4389	CVN			11.70							4389
N4460	CVN			11.30							4460
N4914	CVN			11.60							4914
N5198	CVN			11.80							5198
N5297	CVN			11.80							5297
N5313	CVN			12.00							5313
N5326	CVN			11.90							5326
N5350	CVN			11.30							5350
N5353	CVN			11.00							5353
N5354	CVN			11.40							5354
N5371	CVN			10.60							5371
N5377	CVN			11.30							5377
N5383	CVN			11.40							5383
N5390	CVN		see N5371	11.30							5390
N5395	CVN			11.40							5395
N5444	CVN			11.90							5444
N5448	UMA			11.00							5448
N5660	BOO			11.90							5660

61 galaxies

Open clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
Mel 111	COM			1.80							-
1 open cluster											

Globular clusters

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H298	BOO			9.10	9.2'						5466
M3	CVN			6.20	7'	3.5x15				30000 Ly	5272
2 globular clusters											

Galaxies

Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C26	CVN		pretty bright, very large	10.20	16'x1'					10 Mio. Ly	4244
C29	CVN		very bright, very large, south brighter middel nucleus	9.80	5'x2'					69 Mio. Ly	5005
C32	CVN	Humpback Whale galaxy		9.30	10'x2'	10x50				35 Mio. Ly	4631
C35	COM			11.40	1'	120 mm				300 Mio. Ly	4889
C36	COM			9.80	5'x2'	63 mm				40 Mio. Ly	4559
C38	COM			9.60	13'x1'	10x50				60 Mio. Ly	4565
H210	CVN			10.80	4.6'						4111
H211	CVN			12.00	2.9'						4143
H213	COM			11.70	2.3'						4150
H214	CVN			10.40	6.8'						4151
H216	COM			10.70	3.5'						4203
H217	CVN			9.70	8.4'						4214
H219	COM			11.40	3.3'						4245
H220	COM			12.00	3.6'						4251
H224	COM			10.40	6.8'						4274
H225	COM			10.20	4'						4278
H229	COM			10.50	3.9'						4314
H236	COM			10.30	3.6'						4414
H242	COM			11.10	3.6'						4448
H249	CVN			12.00	1.5'	80 mm				40 Mio. Ly	4485
H250	CVN			9.80	4'x2'	10x50				40 Mio. Ly	4490
H251	COM			9.90	4.5'						4494
H264	CVN			10.80	4.2'						4618
H269	CVN			10.40	15.3'						4656
H290	CVN			10.10	9.8'						5033
H294	CVN			11.60	2.7'						5273
I750	UMA			11.90							IC750
M63	CVN	Sunflower galaxy		8.60	4'x2.5'	10x50				30 Mio. Ly	5055
M94	CVN			8.20	3'	8x30				20 Mio. Ly	4736
N4062	UMA			11.10							4062
N4136	COM			11.00							4136
N4145	CVN			11.30							4145
N4228	CVN		see H217 (N4214)	10.20							4228
N4369	CVN			11.70							4369
N4395	CVN			10.20							4395
N4657	CVN			10.60							4657
N4793	COM			11.60							4793
N4874	COM			11.70							4874
N4914	CVN			11.60							4914
N5127	CVN			11.90							5127
N5313	CVN			12.00							5313
N5326	CVN			11.90							5326
N5350	CVN			11.30							5350
N5353	CVN			11.00							5353
N5354	CVN			11.40							5354
N5371	CVN			10.60							5371
N5375	CVN			11.50							5375
N5383	CVN			11.40							5383
N5390	CVN		see N5371	11.30							5390
N5395	CVN			11.40							5395
N5444	CVN			11.90							5444

51 galaxies