Coma Berenices

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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COMA BERENICES Sternbildindex (Objekte bis zu 12^{m}0)

61 Objekte

Offene Sternhaufen

Objekt	Sternb.	Name	Seite(n)	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
Mel 111	COM		Com 1-1 Com 2-1	1.80							-
1 offener Sternhaufen											

Kugelsternhaufen

Objekt	Sternb.	Name	Seite(n)	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
H212	COM		Com 1-1 Com 2-1	10.30	4'						4147
M53	COM		Com 1-1 Com 2-1	7.60	4'	8x30				60000 Ly	5024
N4153	COM		Com 1-1 Com 2-1	10.30							4153
N5053	COM		Com 1-1 Com 2-1	9.80							5053
4 Kugelsternhaufen											

Galaxien

Objekt	Sternb.	Name	Seite(n)	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
C35	COM		Com 1-1 Com 2-1	11.40	1'	120 mm				300 Mio. Ly	4889
C36	COM		Com 1-1 Com 2-1	9.80	5'x2'	63 mm				40 Mio. Ly	4559
C38	COM		Com 1-1 Com 2-1	9.60	13'x1'	10x50				60 Mio. Ly	4565
H213	COM		Com 1-1 Com 2-1	11.70	2.3'						4150
H216	COM		Com 1-1	10.70	3.5'						4203
H219	COM		Com 1-1 Com 2-1	11.40	3.3'						4245
H220	COM		Com 1-1 Com 2-1	12.00	3.6'						4251
H224	COM		Com 1-1 Com 2-1	10.40	6.8'						4274
H225	COM		Com 1-1 Com 2-1	10.20	4'						4278
H227	COM		Com 1-1 Com 2-1	11.00	5.5'						4293
H229	COM		Com 1-1 Com 2-1	10.50	3.9'						4314
H231	COM		Com 1-1 Com 2-1	11.10	2.9'						4350
H235	COM		Com 1-1 Com 2-1	10.90	3.4'						4394
H236	COM		Com 1-1	10.30	3.6'						4414
H237	COM		Com 2-1	11.10	3.3'						4419
H242	COM		Com 1-1 Com 2-1	11.10	3.6'						4448
H244	COM		Com 1-1 Com 2-1	10.10	5.4'						4450
H245	COM		Com 2-1	10.40	4'						4459
H246	COM		Com 2-1	10.20	4.2'						4473
H247	COM		Com 2-1	10.40	3.7'						4477
H251	COM		Com 1-1 Com 2-1	9.90	4.5'						4494
H273	COM		Com 2-1	10.90	4.7'						4689
H277	COM		Com 1-1 Com 2-1	9.20	10.4'						4725
M100	COM		Com 1-1 Com 2-1	9.30	3'	10x50				60 Mio. Ly	4321
M64	COM	Black-Eye Galaxie	Com 1-1 Com 2-1	8.50	4.5'x2.5'	10x50				22 Mio. Ly	4826
M85	COM		Com 1-1 Com 2-1	9.10	2'x1.5'	10x50				60 Mio. Ly	4382
M88	COM		Com 2-1	9.60	3'x1.5'	10x50				60 Mio. Ly	4501
M91	COM		Com 2-1	10.20	2'x1.5'	80 mm				60 Mio. Ly	4548
M98	COM		Com 2-1	10.10	5'x2'	10x50				60 Mio. Ly	4192
M99	COM		Com 2-1	9.90	2.5'	10x50				60 Mio. Ly	4254
N4037	COM		Com 2-1	11.90							4037
N4064	COM		Com 1-1 Com 2-1	11.40							4064
N4136	COM		Com 1-1 Com 2-1	11.00							4136
N4189	COM		Com 2-1	11.70							4189
N4208	COM		Com 2-1	11.80							4208
N4212	COM		Com 2-1	11.20							4212
N4237	COM		Com 2-1	11.60							4237
N4262	COM		Com 2-1	11.60							4262
N4298	COM		Com 2-1	11.30							4298
N4302	COM		Com 2-1	11.60							4302
N4312	COM		Com 2-1	11.70							4312
N4340	COM		Com 1-1 Com 2-1	11.20							4340
N4377	COM		Com 2-1	11.90							4377
N4379	COM		Com 1-1 Com 2-1	11.70							4379
N4405	COM		Com 1-1 Com 2-1	12.00							4405
N4421	COM		Com 2-1	11.60							4421
N4474	COM		Com 2-1	11.50							4474
N4489	COM		Com 1-1 Com 2-1	12.00							4489
N4539	COM		Com 1-1 Com 2-1	12.00							4539
N4540	COM		Com 2-1	11.70							4540
N4571	COM		Com 2-1	11.30							4571
N4651	COM		Com 1-1 Com 2-1	10.80							4651
N4710	COM		Com 2-1	11.00							4710
N4793	COM		Com 1-1 Com 2-1	11.60							4793
N4874	COM		Com 1-1 Com 2-1	11.70							4874
N5172	COM		Com 1-1 Com 2-1	11.90							5172
56 Galaxien											

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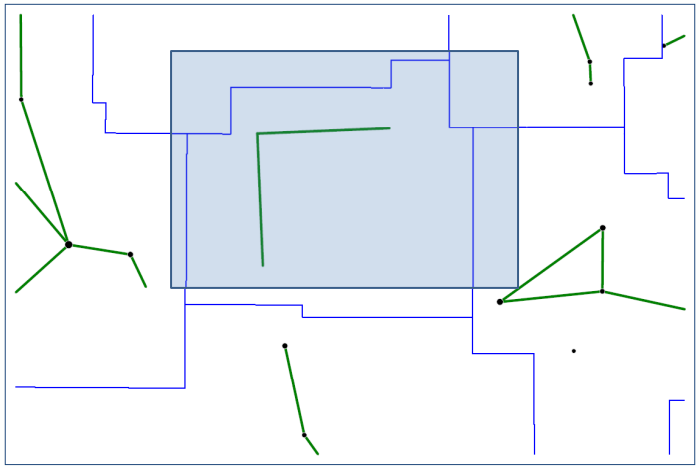

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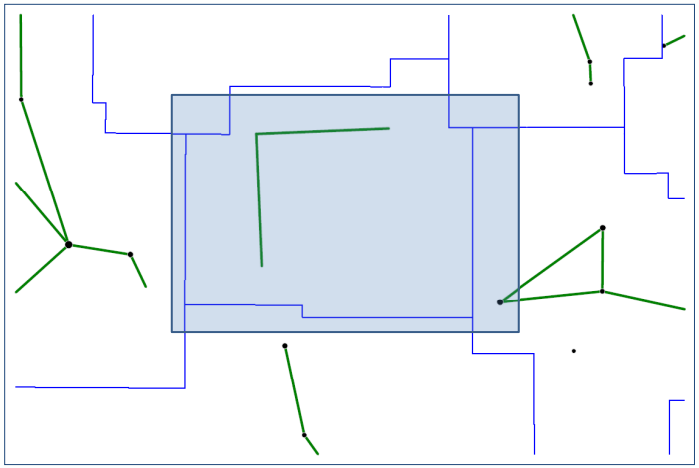

Com 2-1

Star map history	
V 1.00 (2010)	Initial release
V 1.01 (2014)	Bigger fonts, increased readability N4153 removed (= H212 / N4147) N4212 removed (= N4208)

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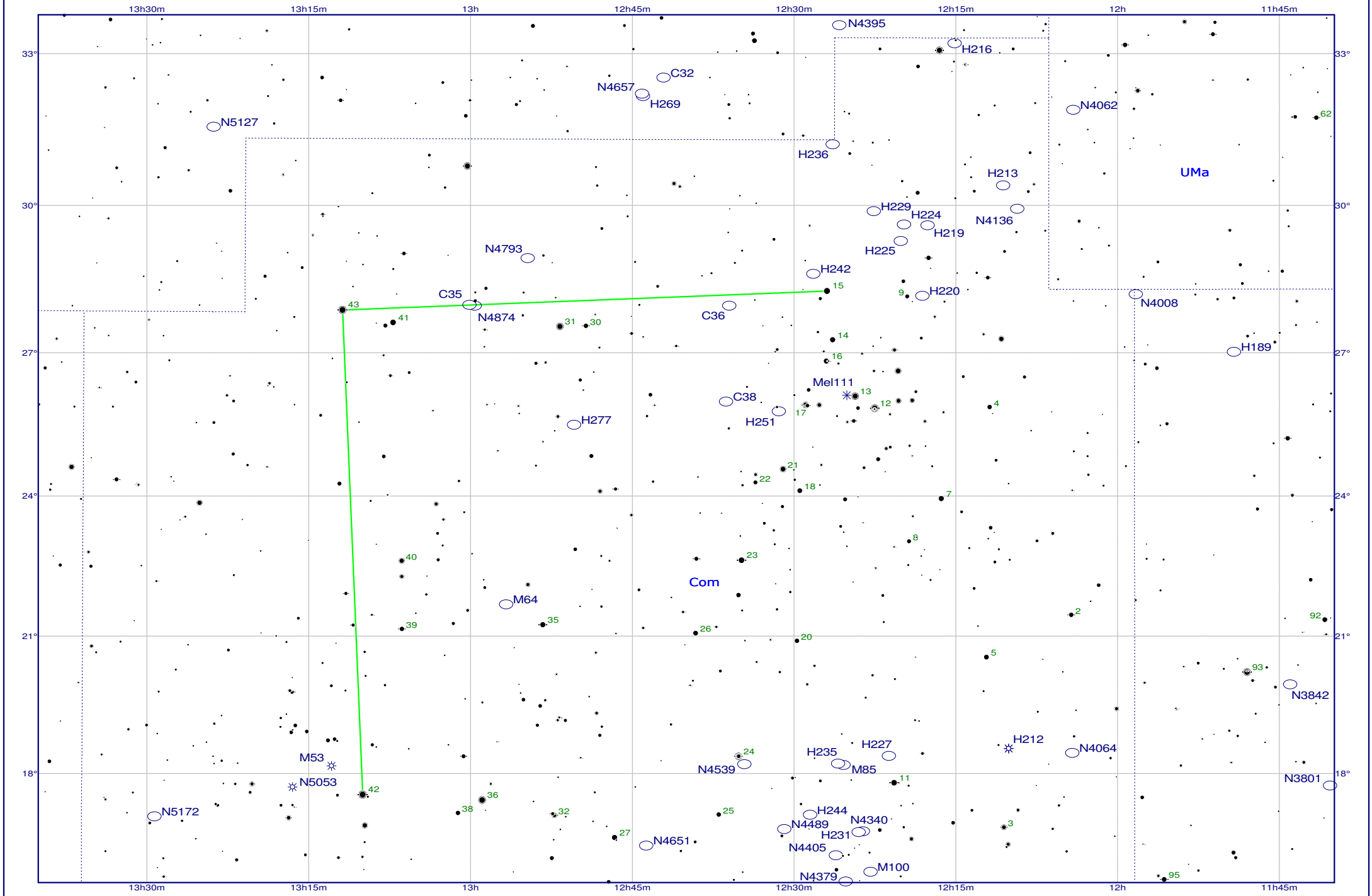

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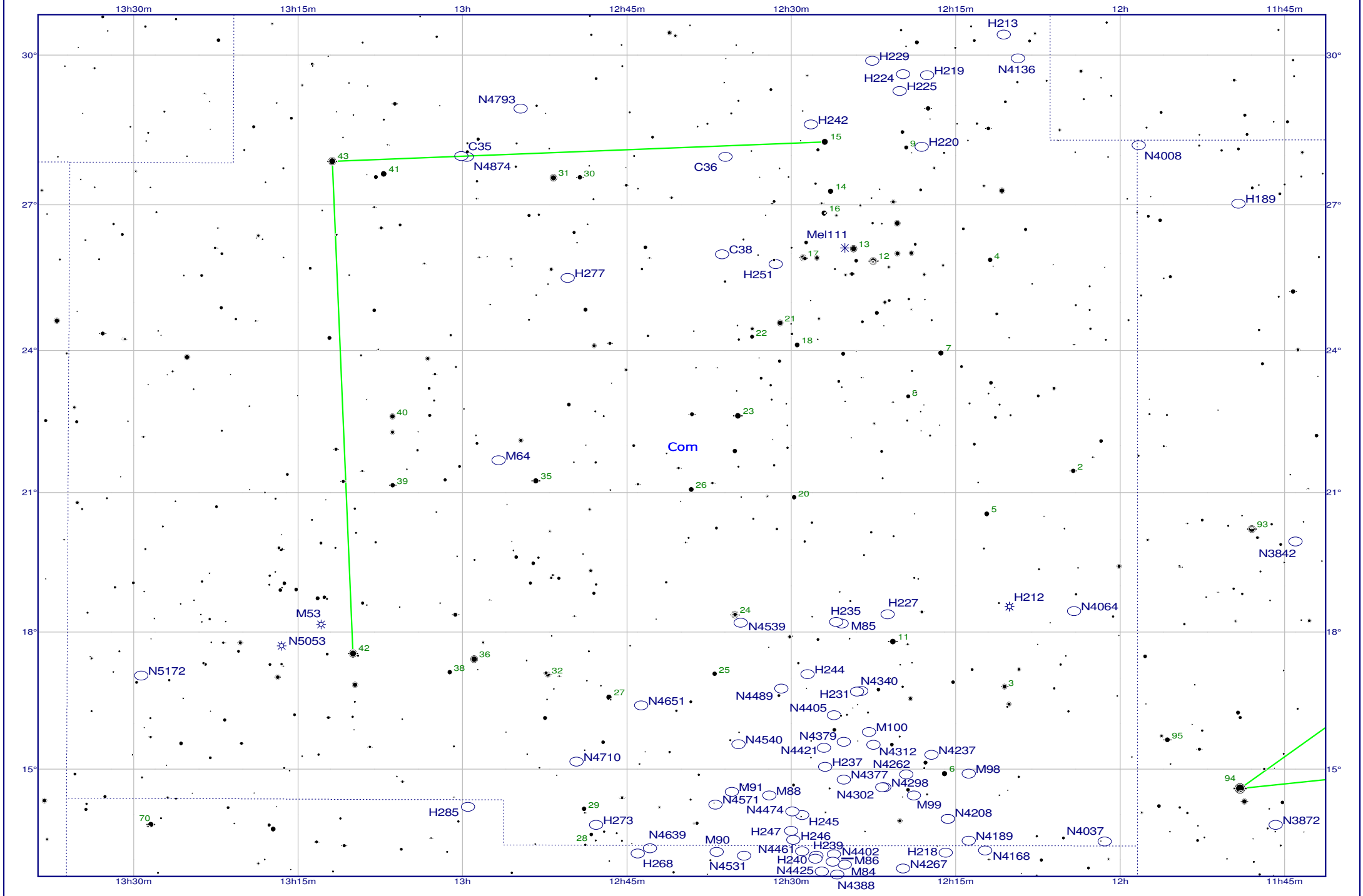
Com 1-1



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Com 2-1

Com 1-1

47 Objekte

Offene Sternhaufen

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
Mel 111	COM			1.80							-
1 offener Sternhaufen											

Kugelsternhaufen

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
H212	COM			10.30	4'						4147
M53	COM		kompakt	7.60	4'	8x30				60000 Ly	5024
N4153	COM		siehe H212 (N4147)	10.30							4153
N5053	COM			9.80							5053
4 Kugelsternhaufen											

Galaxien

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
C32	CVN	Heringsnebel		9.30	10'x2'	10x50				35 Mio. Ly	4631
C35	COM		in Coma-Gx Haufen	11.40	1'	120 mm				300 Mio. Ly	4889
C36	COM		schwache Sterne eingebettet	9.80	5'x2'	63 mm				40 Mio. Ly	4559
C38	COM		Kantenlage	9.60	13'x1'	10x50				60 Mio. Ly	4565
H189	LEO			11.40	3.5'						3900
H213	COM			11.70	2.3'						4150
H216	COM			10.70	3.5'						4203
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
H227	COM			11.00	5.5'						4293
H229	COM			10.50	3.9'						4314
H231	COM			11.10	2.9'						4350
H235	COM			10.90	3.4'						4394
H236	COM			10.30	3.6'						4414
H242	COM			11.10	3.6'						4448
H244	COM			10.10	5.4'						4450
H251	COM			9.90	4.5'						4494
H269	CVN			10.40	15.3'						4656
H277	COM			9.20	10.4'						4725
M100	COM		rund, groß	9.30	3'	10x50				60 Mio. Ly	4321
M64	COM	Black-Eye Galaxie	mit schwarzem Auge	8.50	4.5'x2.5'	10x50				22 Mio. Ly	4826
M85	COM		Begleiter von N4394	9.10	2'x1.5'	10x50				60 Mio. Ly	4382
N3801	LEO			12.00							3801
N3842	LEO			11.80							3842
N4008	LEO			12.00							4008
N4062	UMA			11.10							4062
N4064	COM			11.40							4064
N4136	COM			11.00							4136
N4340	COM			11.20							4340
N4379	COM			11.70							4379
N4395	CVN			10.20							4395
N4405	COM			12.00							4405
N4489	COM			12.00							4489
N4539	COM			12.00							4539
N4651	COM			10.80							4651
N4657	CVN			10.60							4657
N4793	COM			11.60							4793
N4874	COM			11.70							4874
N5127	CVN			11.90							5127
N5172	COM			11.90							5172
42 Galaxien											

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Com 2-1 — 79 Objekte

Offene Sternhaufen

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
Mel 111	COM			1.80							-
1 offener Sternhaufen											

Kugelsternhaufen

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
H212	COM			10.30	4'						4147
M53	COM		kompakt	7.60	4'	8x30				60000 Ly	5024
N4153	COM		siehe H212 (N4147)	10.30							4153
N5053	COM			9.80							5053
4 Kugelsternhaufen											

Galaxien

Objekt	Sternb.	Name	Beschreibung	Vmag	Größe	Instrument	OIII	UHC	H-β	Entfernung	NGC/IC
C35	COM		in Coma-Gx Haufen	11.40	1'	120 mm				300 Mio. Ly	4889
C36	COM		schwache Sterne eingebettet	9.80	5'x2'	63 mm				40 Mio. Ly	4559
C38	COM		Kantenlage	9.60	13'x1'	10x50				60 Mio. Ly	4565
H189	LEO			11.40	3.5'						3900
H213	COM			11.70	2.3'						4150
H218	VIR			10.00	7.8'						4216
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
H227	COM			11.00	5.5'						4293
H229	COM			10.50	3.9'						4314
H231	COM			11.10	2.9'						4350
H235	COM			10.90	3.4'						4394
H237	COM			11.10	3.3'						4419
H239	VIR			10.90	3'						4435
H240	VIR			10.10	10.2'						4438
H242	COM			11.10	3.6'						4448
H244	COM			10.10	5.4'						4450
H245	COM			10.40	4'						4459
H246	COM			10.20	4.2'						4473
H247	COM			10.40	3.7'						4477
H251	COM			9.90	4.5'						4494
H268	VIR			10.50	5'						4654
H273	COM			10.90	4.7'						4689
H277	COM			9.20	10.4'						4725
H285	VIR			11.00	6.4'						4866
M100	COM		rund, groß	9.30	3'	10x50				60 Mio. Ly	4321
M64	COM	Black-Eye Galaxie	mit schwarzem Auge	8.50	4.5'x2.5'	10x50				22 Mio. Ly	4826
M84	VIR		Paar mit M86	9.10	1.5'	8x30				60 Mio. Ly	4374
M85	COM		Begleiter von N4394	9.10	2'x1.5'	10x50				60 Mio. Ly	4382
M86	VIR		Paar mit M84	8.90	2'	8x30				60 Mio. Ly	4406
M88	COM		Markarians Galaxienkette	9.60	3'x1.5'	10x50				60 Mio. Ly	4501
M90	VIR		groß, länglich	9.50	4'x1.5'	10x50				60 Mio. Ly	4569
M91	COM		schwierigstes Messier-Objekt	10.20	2'x1.5'	80 mm				60 Mio. Ly	4548
M98	COM		schwach, länglich	10.10	5'x2'	10x50				60 Mio. Ly	4192
M99	COM		rund, Spiralarme	9.90	2.5'	10x50				60 Mio. Ly	4254
N3842	LEO			11.80							3842
N3872	LEO			11.70							3872
N4008	LEO			12.00							4008
N4037	COM			11.90							4037
N4064	COM			11.40							4064
N4136	COM			11.00							4136
N4168	VIR			11.20							4168
N4189	COM			11.70							4189
N4208	COM			11.80							4208
N4212	COM		siehe N4208	11.20							4212
N4237	COM			11.60							4237
N4262	COM			11.60							4262
N4267	VIR			10.90							4267
N4298	COM			11.30							4298
N4302	COM			11.60							4302
N4312	COM			11.70							4312
N4340	COM			11.20							4340
N4377	COM			11.90							4377
N4379	COM			11.70							4379
N4388	VIR			11.00							4388
N4402	VIR			11.80							4402
N4405	COM			12.00							4405
N4421	COM			11.60							4421
N4425	VIR			11.80							4425
N4461	VIR			11.20							4461
N4474	COM			11.50							4474
N4489	COM			12.00							4489
N4531	VIR			11.40							4531
N4539	COM			12.00							4539
N4540	COM			11.70							4540
N4571	COM			11.30							4571
N4639	VIR			11.50							4639
N4651	COM			10.80							4651
N4710	COM			11.00							4710
N4793	COM			11.60							4793
N4874	COM			11.70							4874
N5172	COM			11.90							5172
74 Galaxien											

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