

Puppis

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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Open clusters										
Object	Const. Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
Bochum 15	PUP	Pup 2-1	6.30							-
Bochum 4	PUP	Pup 1-1	7.30							-
Bochum 5	PUP	Pup 1-1	7.00							-
Bochum 6	PUP	Pup 1-1	9.90							-
C71	PUP	Pup 2-1 Pup 3-1	5.80	25'	8x30				5000 Ly	2477
Cr 135	PUP	Pup 2-1 Pup 3-1	2.10							-
Cr 173	PUP	Pup 3-1	0.60							-
Cr 185	PUP	Pup 2-1 Pup 3-1	7.80							-
Cr 187	PUP	Pup 2-1	9.60							-
Czernik 29	PUP	Pup 1-1	10.30							-
H102	PUP	Pup 1-1	8.30	10'						2421
H104	PUP	Pup 1-1	6.70	19'						2423
H107	PUP	Pup 1-1	10.00	7'						2479
H108	PUP	Pup 1-1 Pup 2-1	7.30	12'						2482
H109	PUP	Pup 2-1	7.90	8'						2489
H111	PUP	Pup 1-1	9.00	8'						2509
H112	PUP	Pup 1-1 Pup 2-1	6.50	22'						2527
H113	PUP	Pup 1-1	6.50	22'						2539
H115	PUP	Pup 2-1	7.40	10'						2567
H116	PUP	Pup 2-1	7.00	13'						2571
Haffner 10	PUP	Pup 1-1	11.50							-
Haffner 15	PUP	Pup 2-1	9.40							-
Haffner 16	PUP	Pup 1-1 Pup 2-1	10.00							-
Haffner 18	PUP	Pup 1-1 Pup 2-1	9.30							-
Haffner 19	PUP	Pup 1-1 Pup 2-1	9.40							-
Haffner 20	PUP	Pup 2-1	11.00							-
Haffner 21	PUP	Pup 1-1 Pup 2-1	10.30							-
M46	PUP	Pup 1-1	6.00	20'x15'	3.5x15				6000 Ly	2437
M47	PUP	Pup 1-1	5.20	30'x20'	n. eye				1800 Ly	2422
M93	PUP	Pup 1-1 Pup 2-1	6.00	25'	8x30				4000 Ly	2447
Mel 66	PUP	Pup 3-1	7.80							-
Mel 71	PUP	Pup 1-1	7.10							-
N2396	PUP	Pup 1-1	7.40							2396
N2409	PUP	Pup 1-1	8.00							2409
N2414	PUP	Pup 1-1	7.90							2414
N2432	PUP	Pup 1-1	10.20							2432
N2439	PUP	Pup 2-1	6.90							2439
N2451	PUP	Pup 2-1 Pup 3-1	2.80							2451
N2453	PUP	Pup 1-1 Pup 2-1	8.30							2453
N2455	PUP	Pup 1-1	10.20							2455
N2478	PUP	Pup 1-1	4.40							2478
N2483	PUP	Pup 1-1 Pup 2-1	7.60							2483
N2520	PUP	Pup 1-1 Pup 2-1	6.50							2520
N2533	PUP	Pup 2-1	7.60							2533
N2546	PUP	Pup 2-1 Pup 3-1	6.30							2546
N2568	PUP	Pup 2-1 Pup 3-1	10.00							2568
N2580	PUP	Pup 2-1	9.70							2580
N2587	PUP	Pup 2-1	9.20							2587
N2588	PUP	Pup 2-1	11.80							2588
Pismis 1	PUP	Pup 2-1 Pup 3-1	10.70							-
Ru 32	PUP	Pup 1-1 Pup 2-1	8.40							-
Ru 34	PUP	Pup 1-1	9.50							-
Ru 36	PUP	Pup 1-1 Pup 2-1	9.60							-
Ru 44	PUP	Pup 1-1 Pup 2-1	7.20							-
Ru 46	PUP	Pup 1-1	9.10							-
Ru 47	PUP	Pup 2-1	9.60							-
Ru 49	PUP	Pup 1-1 Pup 2-1	9.60							-
Ru 55	PUP	Pup 2-1	7.80							-
Ru 59	PUP	Pup 2-1 Pup 3-1	9.00							-
Tr 7	PUP	Pup 1-1 Pup 2-1	7.90							-
Tr 9	PUP	Pup 1-1 Pup 2-1	8.70							-
61 open clusters										

Globular clusters										
Object	Const. Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2298	PUP	Pup 2-1 Pup 3-1	9.40							2298
1 globular cluster										

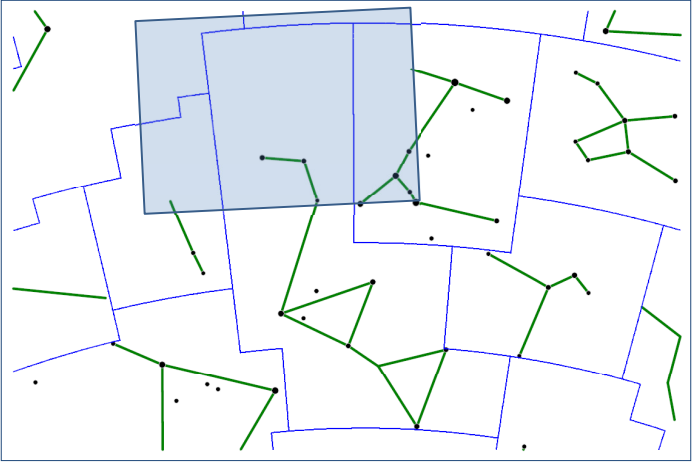
Galaxies										
Object	Const. Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2310	PUP	Pup 2-1 Pup 3-1	11.80							2310
N2427	PUP	Pup 3-1	11.50							2427
N2517	PUP	Pup 1-1	11.80							2517
N2525	PUP	Pup 1-1	11.60							2525
N2559	PUP	Pup 1-1 Pup 2-1	10.90							2559
N2566	PUP	Pup 1-1 Pup 2-1	11.00							2566
6 galaxies										

Nebula										
Object	Const. Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2467	PUP	Pup 1-1 Pup 2-1	7.10			++	+	-		2467
N2579	PUP	Pup 2-1 Pup 3-1	7.50							2579
2 nebula										

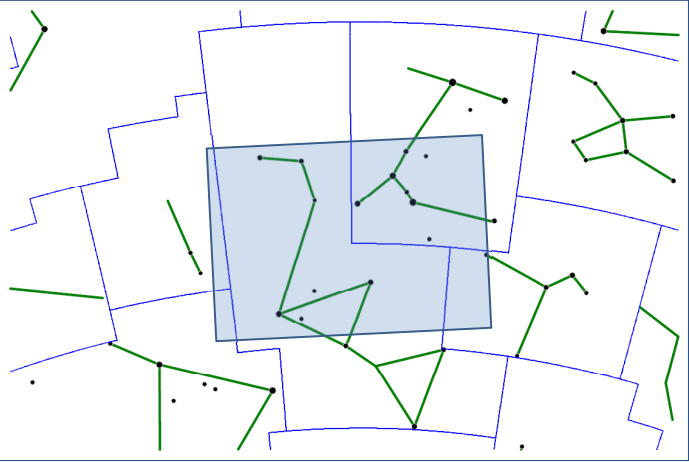
Planetary nebula										
Object	Const. Name	Page(s)	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H105	PUP	Pup 1-1	10.00	65"		++	+	-		2438
H106	PUP	Pup 1-1	11.00	54"						2440
PK 241+2.1	PUP	Pup 1-1 Pup 2-1	11.80	20"						-
3 planetary nebula										

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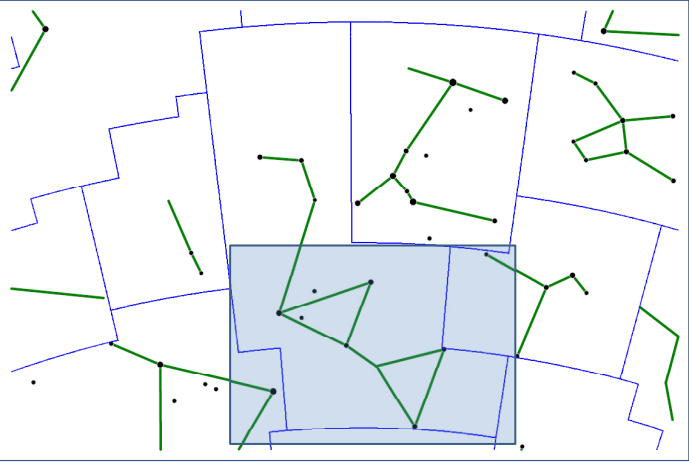




Pup 1-1

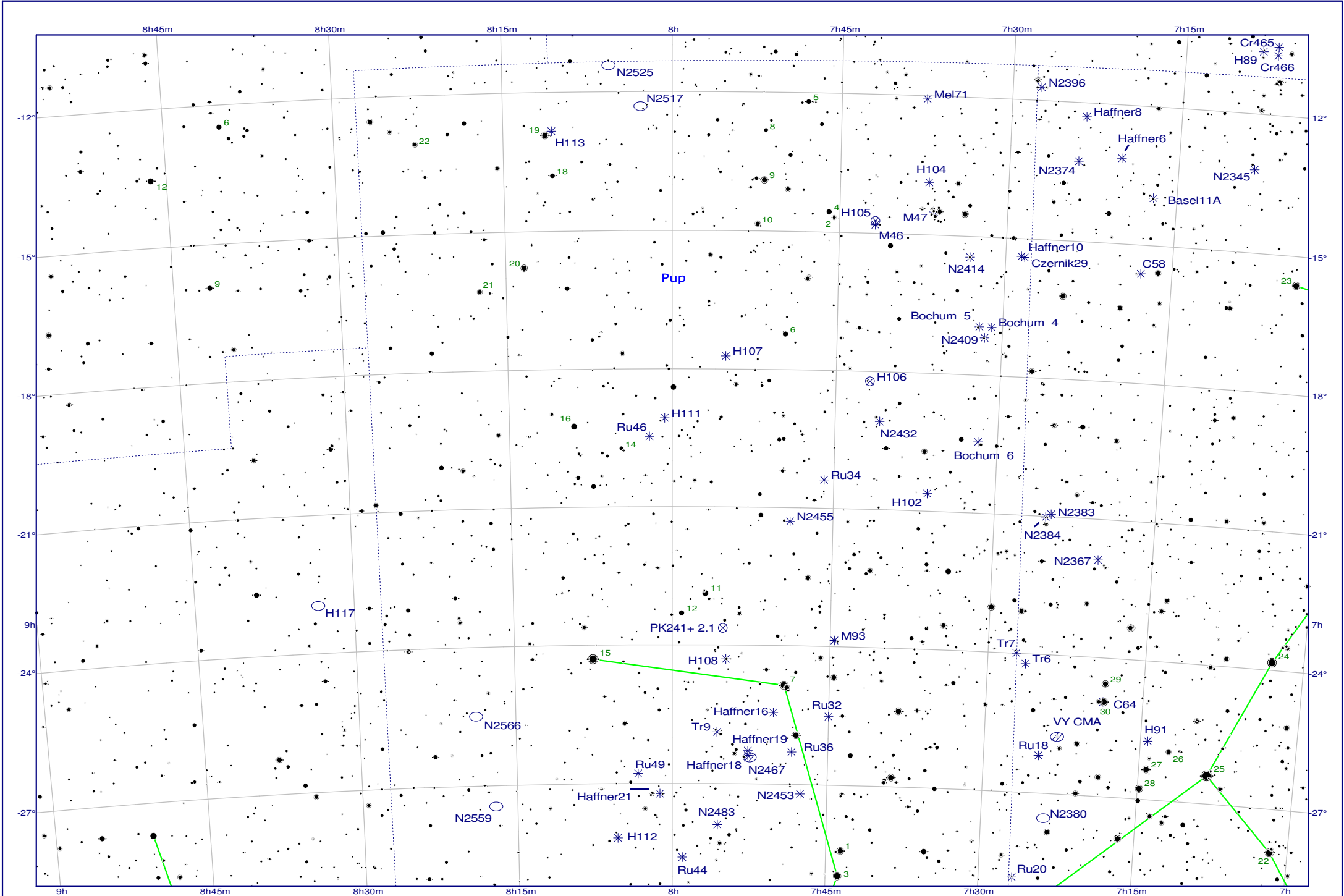


Pup 2-1

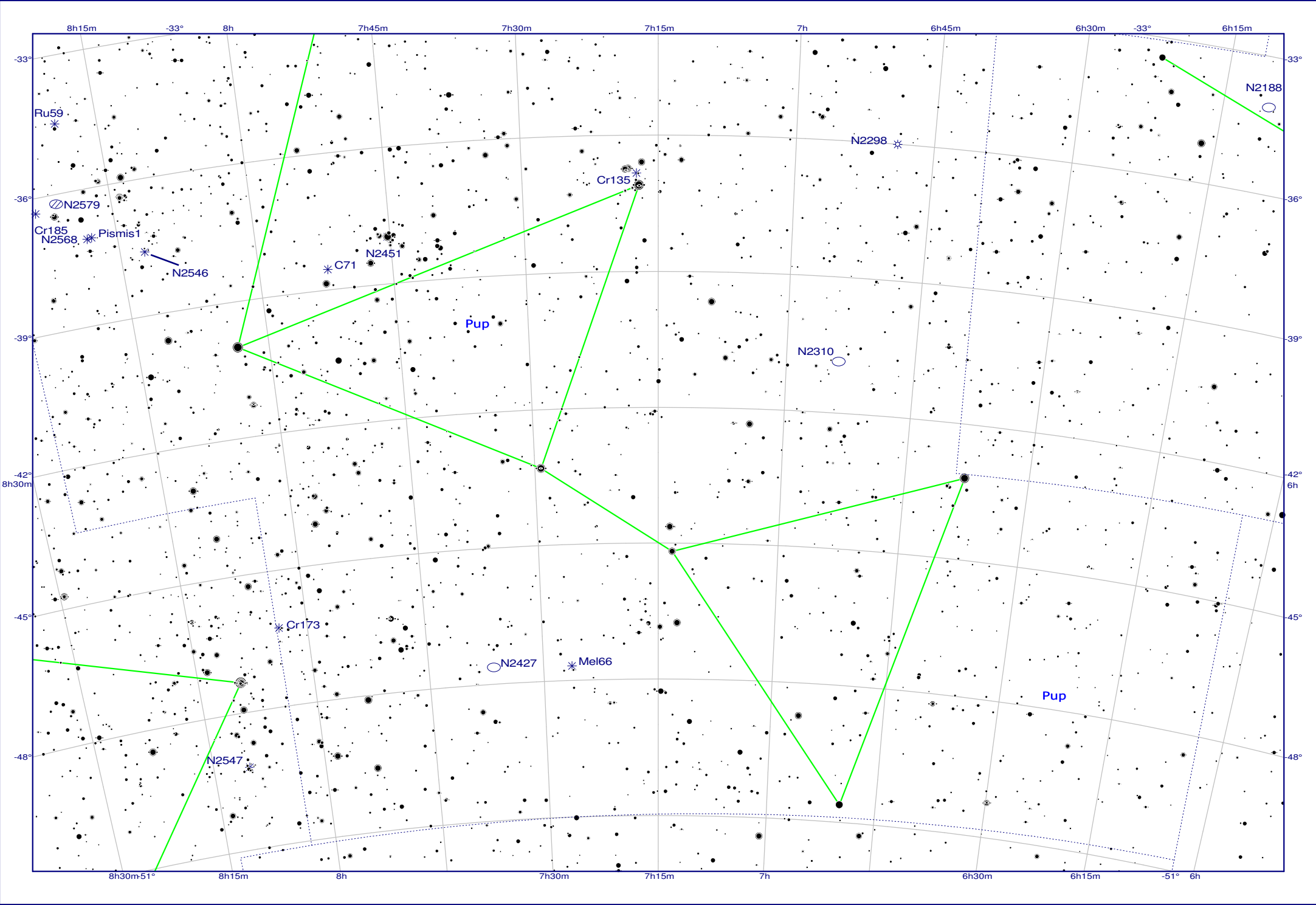


Pup 3-1

Star map history	
V 1.00 (2010)	Initial release
V 1.01 (2014)	Bigger fonts N2520 removed (= H112 / N2527) N2478 removed (= M47 / N2422)







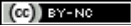
Open clusters										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
Basel 11A	CMA		8.20							-
Bochum 4	PUP		7.30							-
Bochum 5	PUP		7.00							-
Bochum 6	PUP		9.90							-
C58	CMA		7.20	8'	10x50				5000 Ly	2360
C64	CMA		4.10	8'	63 mm				5000 Ly	2362
Cr 465	MON		10.10							-
Cr 466	MON		11.10							-
Czernik 29	PUP		10.30							-
H102	PUP		8.30	10'						2421
H104	PUP		6.70	19'						2423
H107	PUP		10.00	7'						2479
H108	PUP		7.30	12'						2482
H111	PUP		9.00	8'						2509
H112	PUP		6.50	22'						2527
H113	PUP		6.50	22'						2539
H89	MON		6.70	7'						2343
H91	CMA		6.50	20'						2354
Haffner 10	PUP		11.50							-
Haffner 16	PUP		10.00							-
Haffner 18	PUP		9.30							-
Haffner 19	PUP		9.40							-
Haffner 21	PUP		10.30							-
Haffner 6	CMA		9.20							-
Haffner 8	CMA		9.10							-
M46	PUP		6.00	20'x15'	3.5x15				6000 Ly	2437
M47	PUP		5.20	30'x20'	n. eye				1800 Ly	2422
M93	PUP		6.00	25'	8x30				4000 Ly	2447
Mel 71	PUP		7.10							-
N2345	CMA		7.70							2345
N2367	CMA		7.90							2367
N2374	CMA		8.00							2374
N2383	CMA		8.40							2383
N2384	CMA		7.40							2384
N2396	PUP		7.40							2396
N2409	PUP		8.00							2409
N2414	PUP		7.90							2414
N2432	PUP		10.20							2432
N2453	PUP		8.30							2453
N2455	PUP		10.20							2455
N2478	PUP	see M47 (N2422)	4.40							2478
N2483	PUP		7.60							2483
N2520	PUP	see H112 (N2527)	6.50							2520
Ru 18	CMA		9.40							-
Ru 20	CMA		9.50							-
Ru 32	PUP		8.40							-
Ru 34	PUP		9.50							-
Ru 36	PUP		9.60							-
Ru 44	PUP		7.20							-
Ru 46	PUP		9.10							-
Ru 49	PUP		9.60							-
Tr 6	CMA		10.00							-
Tr 7	PUP		7.90							-
Tr 9	PUP		8.70							-
54 open clusters										

Galaxies										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H117	PYX		10.40	7.1'						2613
N2380	CMA		11.20							2380
N2517	PUP		11.80							2517
N2525	PUP		11.60							2525
N2559	PUP		10.90							2559
N2566	PUP		11.00							2566
6 galaxies										

Nebula										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2467	PUP		7.10				++	+	-	2467
VY CMA	CMA		10.80							-
2 nebula										

Planetary nebula										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
H105	PUP		10.00	65"		++	+	-		2438
H106	PUP		11.00	54"						2440
PK 241+2.1	PUP		11.80	20"						-
3 planetary nebula										

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Open clusters										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
Bochum 15	PUP		6.30							-
C64	CMA		4.10	8'	63 mm				5000 Ly	2362
C71	PUP		5.80	25'	8x30				5000 Ly	2477
Cr 121	CMA		2.60							-
Cr 132	CMA		3.60							-
Cr 135	PUP		2.10							-
Cr 140	CMA		3.50							-
Cr 185	PUP		7.80							-
Cr 187	PUP		9.60							-
H108	PUP		7.30	12'						2482
H109	PUP		7.90	8'						2489
H112	PUP		6.50	22'						2527
H115	PUP		7.40	10'						2567
H116	PUP		7.00	13'						2571
H91	CMA		6.50	20'						2354
Haffner 15	PUP		9.40							-
Haffner 16	PUP		10.00							-
Haffner 18	PUP		9.30							-
Haffner 19	PUP		9.40							-
Haffner 20	PUP		11.00							-
Haffner 21	PUP		10.30							-
M93	PUP		6.00	25'	8x30				4000 Ly	2447
N2243	CMA		9.40							2243
N2439	PUP		6.90							2439
N2451	PUP		2.80							2451
N2453	PUP		8.30							2453
N2483	PUP		7.60							2483
N2520	PUP	see H112 (N2527)	6.50							2520
N2533	PUP		7.60							2533
N2546	PUP		6.30							2546
N2568	PUP		10.00							2568
N2580	PUP		9.70							2580
N2587	PUP		9.20							2587
N2588	PUP		11.80							2588
Pismis 1	PUP		10.70							-
Pismis 5	VEL		9.90							-
Ru 18	CMA		9.40							-
Ru 20	CMA		9.50							-
Ru 32	PUP		8.40							-
Ru 36	PUP		9.60							-
Ru 44	PUP		7.20							-
Ru 47	PUP		9.60							-
Ru 49	PUP		9.60							-
Ru 55	PUP		7.80							-
Ru 59	PUP		9.00							-
Tr 6	CMA		10.00							-
Tr 7	PUP		7.90							-
Tr 9	PUP		8.70							-
48 open clusters										
Globular clusters										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2298	PUP		9.40							2298
1 globular cluster										

Galaxies										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2272	CMA		11.70							2272
N2280	CMA		10.30							2280
N2292	CMA		10.80							2292
N2293	CMA		11.20							2293
N2310	PUP		11.80							2310
N2325	CMA		11.40							2325
N2380	CMA		11.20							2380
N2559	PUP		10.90							2559
N2566	PUP		11.00							2566
9 galaxies										

Nebula										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2467	PUP		7.10			++	+	-		2467
N2579	PUP		7.50							2579
VY CMA	CMA		10.80							-
3 nebula										

Planetary nebula										
Object	Const. Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
PK 241+ 2.1	PUP		11.80	20"						-
1 planetary nebula										

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Open clusters											
Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
C71	PUP			5.80	25'	8x30				5000 Ly	2477
Cr 135	PUP			2.10							-
Cr 173	PUP			0.60							-
Cr 185	PUP			7.80							-
Mel 66	PUP			7.80							-
N2451	PUP			2.80							2451
N2546	PUP			6.30							2546
N2547	VEL			4.70							2547
N2568	PUP			10.00							2568
Pismis 1	PUP			10.70							-
Ru 59	PUP			9.00							-
11 open clusters											

Globular clusters											
Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2298	PUP			9.40							2298
1 globular cluster											

Galaxies											
Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2188	COL			11.70							2188
N2310	PUP			11.80							2310
N2427	PUP			11.50							2427
3 galaxies											

Nebula											
Object	Const.	Name	Description	Vmag	Size	Instrument	OIII	UHC	H-β	Distance	NGC/IC
N2579	PUP			7.50							2579
1 nebula											