

DOCdb - How to create a marathon or plan an observing session - <http://www.docdb.net>

DOCdb

Deep Sky Observer's Companion – the online database

Welcome, guest!

If you've already registered, please [log in](#), or [register](#) an observer profile for added functionality.

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LATEST OBSERVATIONS

As at Tuesday, 2014 August 26, 18:42

Messier 79, NGC 362, 47 Tuc, Tarantula Nebula, NGC 7793, NGC 288, Silver Coin, NGC 247, Messier 77, NGC 3923.

FEATURED ASTROPHOTO

Posted: Tuesday, 2011 December 13, 09:50 SAST

Cassiopeia Salt-and-Pepper, Messier 52 by Anthony Ayiomamitis.

Previous image:
The Swan Nebula, Messier 17 by Dale Liebenberg.

HISTORICALLY SPEAKING

Monday, 2011 July 18

The Crab Nebula, sketched by the Earl of Rosse.

2013 March 20 at 18:30

Bennett 66 in Virgo



Skype me

During the beta-release I will be on Skype ("psychohistorian") so you can complain and make bug reports in person.

The Bug Report

DOCdb is still in beta-release.

Known issues, feature requests, and updates on bug fixes, are here:
[> Bug Report](#)

1. Login if you are a registered user or Register

DOCdb

Deep Sky Observer's Companion – the online database

Logged in as **Hannes Pieterse**
 Observing from **Gansvlei, Brandfort**
 Session: Monday, 2015 Jun 15 at 18:00:00 (=UT+02h)

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[edit session](#)

List: (no list loaded; three available)

browse:

position:

next:

options:

summary

close

load

rename

copy

new

prune

combine

delete

trim

plan

marathon

remove

bookmark

favourite!

Full database: Entire **DOCdb database** of 18,648 objects.

browse: << < < ? > > >>>

position: **Seven Sisters of the Pole** (1 of 18,648)

next: oc gc pln br dn gx gxc ast aka lost

Navigation > home > login

WELCOME BACK, Hannes Pieterse.

Your default observing session is Gansvlei, Brandfort, 2015 June 15 at 18:00:00. [[edit](#)]

HIDE BROWSING

Favourite lists

Add a list to create your own favourite shortcuts

Your registered name will display.

2. Click on “edit session” and complete the information needed for you marathon or observing plan. See next page >

Edit your observing session settings

Current settings

Observing site

Gansvlei, Brandfort

28° 47' 50" south

26° 28' 23" east

Local time = UT plus 2h

Observing session

Date: Mon, 2015 June 15

Time: 18:00:00

Sun & Moon

Sun rise: 07:05, set: 17:24

Twilight end: 18:52, start: 05:36

Moon rises at 05:00, sets at 16:00

Deep time : 10h 00m

New settings

Observing site

Gansvlei, Brandfort

28 ° 47 ' 50 " south

26 ° 28 ' 23 " east

Local time = UT plus 2 h

Observing session

Date: 2015 - 6 - 15

Time: 18 : 0 : 0

cancel save changes

Deep time

2015 June

01	---	16 10.6 ^h
02	---	17 10.6 ^h
03	---	18 10.1 ^h
04	0.4 ^h	19 9.2 ^h
05	1.3 ^h	20 8.3 ^h
06	2.4 ^h	21 7.4 ^h
07	3.4 ^h	22 6.5 ^h
08	4.4 ^h	23 5.7 ^h
09	5 ^h	24 5.5 ^h
10	5.5 ^h	25 4.8 ^h
11	6.5 ^h	26 4.1 ^h
12	7.6 ^h	27 3.2 ^h
13	8.6 ^h	28 2.3 ^h
14	9.6 ^h	29 1.4 ^h
15	10.6 ^h	30 0.4 ^h

Moon phases

02nd, 16:21 (FM)

09th, 15:43 (LO)

16th, 14:07 (NM)

24th, 11:04 (FQ)

3. Save changes!

DOCdb

Deep Sky Observer's Companion – the online database

Logged in as Hannes Pieterse

Observing from Gansvlei, Brandfort

Session: Monday, 2015 Jun 15 at 18:00:00 (=UT+02h)

home	find ds objects	people	historical	tutorials	links	logout
about	constellations	places	astrophotos	tools	bibliography	edit session

List: (no list loaded; three available)

browse:

position:

next:

options: summar close load rename copy new prune combine delete trim plan marathon remove bookmark favourite!

Full database: Entire DOCdb database of 18,648 objects.

browse: <<<<< ? >>>>>

position: Seven Sisters of the Pole (1 of 18,648)

next: oc gc pln bn dn gx gxcl ast aka lost

Profile successfully updated

Observing site

Gansvlei, Brandfort

28° 47' 50" south, 26° 28' 23" east

local time = UT+02 h

Observing session

Monday, 2015 June 15 at 18:00:00

Sun & Moon

Sun rises at 07:05 and sets at 17:24

Evening twilight ends at 18:52

Morning twilight starts at 05:36

Moon rises at 05:39 and sets at 16:43

Deeptime: 10h 35m



edit profile

4. Load list

You have compiled five lists. There are also 15 predefined lists to choose from.

☐ (new list)	0
☐ Hannes Toets	0
☐ Antlia	119
☐ (new list)	0
☐ Orion	54
☐ Steve Coe's observed objects	1,214
☐ Brian Skiff's observed objects	2,352
☐ Dunlop - Catalogue of objects observed at Paramatta, by James Dunlop.	144
☐ All globular clusters	192
☐ Messier - Catalogue of comet-like objects, recorded by Charles Messier.	110
☐ ConCards	266
☐ William Herschel's observed objects	2,575
☐ Lacaille - Southern Nebulous Objects, by Nicolas Louis de Lacaille.	41
☐ SAC Asterisms - version 2.5 (Coe 2006)	98
☐ Bennett - Catalogue of comet-like southern objects, recorded by Jack Bennett.	152
☐ E.J. Hartung's observed objects	266
☒ Top 100 - ASSA Top 100 Deep Sky Objects	100
☐ John Herschel's observed objects	1,720
☐ Caldwell - The Caldwell Catalogue, by Sir Patrick Moore.	109
☐ Steve Gottlieb's observed objects	580

If you think one or more of your lists would be of interest to other observers, please [contact us](#).

5. Select observing List and click on load

DOCdb
Deep Sky Observer's Companion – the online database

Logged in as **Hannes Pieterse**
Observing from **Gansvlei, Brandfort**
Session: Friday, 2014 Jun 27 at 18:00:00 (=UT+02h)

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edit session

List: Top 100 - ASSA Top 100 Deep Sky Objects
browse:
position: NGC 55 (1 of 100)
next: oc gc pln bn dn gx gxcd ast aka lost
options: summary rename prune aka trim remove
close copy combine plan bookmark
load new delete delete marathon favourite!

Full database: Entire DOCdb database of 18,648 objects.
browse:
position: NGC 55 (159 of 18,648)
next: oc gc pln bn dn gx gxcd ast aka lost
Object: list bookmark +
finder chart altitude today altitude (year)
search: 1/2°, 2°, 5° in DOCdb 1/2°, 2°, 5° in list

Navigation > home > data > NGC 55

HIDE BROWSING

6. Click on Plan

Al honderd voorwerpe is sigbaar. Dit kom ooreen met my inligting wat ek met Skytools 3 gekry het.

DOCdb

Deep Sky Observer's Companion – the online database

Logged in as [Hannes Pieterse](#)
Observing from [Gansvlei, Brandfort](#)
Session: Friday, 2014 Jun 27 at 18:00:00 (=UT+02h)

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List:

Top 100 - ASSA Top 100 Deep Sky Objects

browse:

[⏮](#) [⏪](#) [⏩](#) [?](#) [⏭](#) [⏭](#)

position:

[NGC 55](#) (1 of 100)

next:

[oc](#) [gc](#) [pln](#) [bn](#) [dn](#) [gx](#) [gxcl](#) [ast](#) [aka](#) [lost](#)

options:

[summary](#)[close](#)[load](#)

[rename](#)[copy](#)[new](#)

[prune](#)[combine](#)[delete](#)

[trim](#)[plan](#)[marathon](#)

[remove](#)[bookmark](#)[favourite!](#)

Full database:

Entire [DOCdb database](#) of 18,648 objects.

browse:

[⏮](#) [⏮](#) [⏮](#) [⏪](#) [?](#) [⏭](#) [⏭](#) [⏭](#)

position:

[NGC 55](#) (159 of 18,648)

next:

[oc](#) [gc](#) [pln](#) [bn](#) [dn](#) [gx](#) [gxcl](#) [ast](#) [aka](#) [lost](#)

Navigation ➤ [home](#) ➤ [data](#) ➤ [plan observing session](#)

[HIDE BROWSING](#)

Compile an observing plan with the current list & observing session

List details

List title: Top 100 - ASSA Top 100 Deep Sky Objects
Date created: 2010-03-24, 20:48:56
Source: ASSA Top 100 List
Number of objects: 100
Description: Top 100 southern deep sky objects,
Astron.Soc.Southern Africa Deep Sky Observing Section

Observing session details

Site name: Gansvlei, Brandfort
Date: Friday, 2014 Jun 27 at 18:00:00 (=UT+02h)
Sun rises at 07:07, sets at 17:26
Twilight ends as 18:55, starts at 05:39
Moon rises at 06:53, sets at 17:48
Deeptime: 10h 41m

Find marathon dates

[Search for dates](#) when all the objects can be seen.

Deep time

2014 June

01 8.6 ^h	16 2.3 ^h
02 7.7 ^h	17 3.4 ^h
03 6.9 ^h	18 4.4 ^h
04 6 ^h	19 5 ^h
05 5.5 ^h	20 5.4 ^h
06 5.3 ^h	21 6.4 ^h
07 4.4 ^h	22 7.4 ^h
08 3.5 ^h	23 8.4 ^h
09 2.5 ^h	24 9.3 ^h
10 1.6 ^h	25 10.2 ^h
11 0.6 ^h	26 10.7 ^h

Suggested observing schedule

Deep sky object	R.A.	Dec.	Con	Object type	MSA/U2	O?
Early critical						
☐ NGC 2287	06h 46m 00s	-20° 46' 00"	CMa	open cluster	322/318	N
☐ NGC 2362	07h 18m 36s	-24° 58' 60"	CMa	open cluster	345/319	N
☐ NGC 2422	07h 36m 35s	-14° 28' 57"	Pup	open cluster	296/274	N
☐ NGC 2437	07h 41m 42s	-14° 49' 00"	Pup	open cluster	295/274	N
☐ NGC 2451	07h 45m 24s	-37° 58' 00"	Pup	open cluster	389/362	N
☐ NGC 2447	07h 44m 30s	-23° 51' 12"	Pup	open cluster	343/320	N
☐ NGC 2477	07h 52m 06s	-38° 31' 60"	Pup	open cluster	389/362	N
☐ NGC 2548	08h 13m 42s	-05° 45' 00"	Hya	open cluster	810/275	N
☐ NGC 2818	09h 16m 10s	-36° 37' 06"	Pyx	open cluster	923/364	N
☐ NGC 3115	10h 05m 14s	-07° 43' 08"	Sex	galaxy	804/279	N
☐ NGC 3132	10h 07m 02s	-40° 26' 11"	Vel	planetary nebula	941/399	N
☐ NGC 3242	10h 24m 46s	-18° 38' 33"	Hya	planetary nebula	851/325	N

Both early and late

No targets.

First half of the session

☐ NGC 3201	10h 17m 37s	-46° 24' 40"	Vel	globular cluster	961/399	N
☐ IC 2581	10h 27m 30s	-57° 37' 60"	Car	open cluster	992/426	N
☐ NGC 3293	10h 35m 49s	-58° 13' 00"	Car	open cluster	992/427	N
☐ NGC 3324	10h 37m 19s	-58° 39' 36"	Car	open cluster	992/427	N
☐ NGC 3372	10h 44m 19s	-59° 53' 21"	Car	bright nebula	992/427	N
☐ NGC 3532	11h 05m 33s	-58° 43' 48"	Car	open cluster	991/427	N

12	---	27	10.7 ^h
13	---	28	10.7 ^h
14	0.1 ^h	29	10.1 ^h
15	1.2 ^h	30	9.2 ^h

Moon phases
 05th, 20:40 (FQ)
 13th, 04:13 (FM)
 19th, 18:40 (LQ)
 27th, 08:10 (NM)

Choose a different
 year and month and
 click the button to
 show the deep time:

Year
 Month

Favourite lists

Add a list to create
 your own favourite
 shortcuts

☐	NGC 3918	11h 50m 18s	-57° 10' 57"	Cen	planetary nebula	990/428	N
☐	NGC 4361	12h 24m 31s	-18° 47' 05"	Crv	planetary nebula	845/328	N
☐	NGC 4594	12h 39m 59s	-11° 37' 23"	Vir	galaxy	821/284	N
☐	NGC 4945	13h 05m 26s	-49° 28' 15"	Cen	galaxy	954/402	N
☐	NGC 5128	13h 25m 28s	-43° 01' 09"	Cen	galaxy	933/403	N
☐	NGC 5139	13h 26m 46s	-47° 28' 37"	Cen	globular cluster	953/403	N
☐	NGC 5236	13h 37m 01s	-29° 51' 59"	Hya	galaxy	889/370	N
☐	NGC 5460	14h 07m 24s	-48° 19' 60"	Cen	open cluster	951/404	N
☐	Barnard 228	15h 43m 60s	-34° 30' 00"	Lup	dark nebula	905/374	N
☐	NGC 6121	16h 23m 35s	-26° 31' 32"	Sco	globular cluster	1397/336	N
☐	NGC 6218	16h 47m 15s	-01° 56' 52"	Oph	globular cluster	1300/246	N
☐	NGC 6254	16h 57m 09s	-04° 05' 58"	Oph	globular cluster	1324/247	N

Mid-session only

No targets.

All night

☐	NGC 104	00h 24m 06s	-72° 04' 53"	Tuc	globular cluster	502/440	N
☐	NGC 292	00h 52m 38s	-72° 48' 01"	Tuc	galaxy	501/460	N
☐	NGC 362	01h 03m 14s	-70° 50' 54"	Tuc	globular cluster	501/441	N
☐	ESO 56-115	05h 23m 35s	-69° 45' 22"	Dor	galaxy	496/444	N
☐	NGC 2070	05h 38m 42s	-69° 05' 60"	Dor	open cluster	495/445	N
☐	NGC 2516	07h 58m 06s	-60° 45' 00"	Car	open cluster	467/424	N
☐	NGC 2808	09h 12m 03s	-64° 51' 46"	Car	globular cluster	1007/448	N
☐	IC 2488	09h 27m 36s	-57° 00' 00"	Vel	open cluster	994/425	N
☐	NGC 3114	10h 01m 60s	-60° 06' 00"	Car	open cluster	993/426	N

☐	IC 2602	10h 43m 12s	-64° 24' 00"	Car	open cluster	1004/449	N
☐	NGC 3766	11h 36m 13s	-61° 36' 55"	Cen	open cluster	990/450	N
☐	DCId 301.0-08.6	12h 27m 31s	-71° 25' 12"	Mus	dark nebula	1013/450	N
☐	Coal Sack	12h 31m 19s	-63° 44' 36"	Cru	dark nebula	1002/450	N
☐	NGC 4755	12h 53m 42s	-60° 22' 00"	Cru	open cluster	988/429	N
☐	NGC 4833	12h 59m 35s	-70° 52' 29"	Mus	globular cluster	1012/451	N
☐	Spiral Planetary	13h 33m 33s	-65° 58' 27"	Mus	planetary nebula	1000/451	N
☐	NGC 5281	13h 46m 30s	-62° 54' 54"	Cen	open cluster	986/451	N
☐	NGC 5662	14h 35m 36s	-56° 37' 00"	Cen	open cluster	969/431	N
☐	NGC 5822	15h 04m 24s	-54° 23' 60"	Lup	open cluster	968/431	N
☐	NGC 5823	15h 05m 45s	-55° 37' 30"	Cir	open cluster	968/431	N
☐	NGC 6025	16h 03m 18s	-60° 25' 60"	TrA	open cluster	1512/432	N
☐	NGC 6067	16h 13m 12s	-54° 13' 00"	Nor	open cluster	1498/432	N
☐	NGC 6087	16h 18m 48s	-57° 55' 60"	Nor	open cluster	1512/432	N
☐	NGC 6124	16h 25m 18s	-40° 38' 60"	Sco	open cluster	1461/407	N
☐	NGC 6193	16h 41m 24s	-48° 46' 00"	Ara	open cluster	1481/407	N
☐	NGC 6231	16h 54m 09s	-41° 49' 36"	Sco	open cluster	1460/407	N
☐	NGC 6266	17h 01m 13s	-30° 06' 44"	Oph	globular cluster	1418/376	N
☐	NGC 6273	17h 02m 38s	-26° 16' 05"	Oph	globular cluster	1395/337	N
☐	NGC 6281	17h 04m 42s	-37° 58' 60"	Sco	open cluster	1440/376	N
☐	Barnard 59	17h 11m 06s	-27° 23' 60"	Oph	dark nebula	1417/337	N
☐	NGC 6405	17h 40m 18s	-32° 12' 00"	Sco	open cluster	1416/377	N
☐	NGC 6397	17h 40m 41s	-53° 40' 25"	Ara	globular cluster	1495/434	N
☐	NGC 6475	17h 53m 48s	-34° 46' 60"	Sco	open cluster	1437/377	N
☐	NGC 6494	17h 56m 56s	-19° 00' 42"	Sgr	open cluster	1369/339	N

☐	NGC 6514	18h 02m 23s	-23° 01' 48"	Sgr	bright nebula	1392/339	N
☐	NGC 6523	18h 03m 12s	-24° 22' 60"	Sgr	open cluster	1392/339	N
☐	NGC 6531	18h 04m 12s	-22° 28' 60"	Sgr	open cluster	1392/339	N
☐	NGC 6541	18h 08m 02s	-43° 42' 20"	CrA	globular cluster	1457/409	N
☐	NGC 6584	18h 18m 38s	-52° 12' 55"	Tel	globular cluster	1494/434	N
☐	NGC 6618	18h 20m 47s	-16° 10' 18"	Sgr	bright nebula	1367/294	N
☐	IC 4715	18h 18m 48s	-18° 33' 00"	Sgr	open cluster	1368/339	N
☐	IC 4725	18h 31m 42s	-19° 07' 00"	Sgr	open cluster	1367/340	N
☐	NGC 6656	18h 36m 24s	-23° 54' 12"	Sgr	globular cluster	1391/340	N
☐	NGC 6705	18h 51m 00s	-06° 16' 00"	Sct	open cluster	1318/295	N
☐	NGC 6723	18h 59m 33s	-36° 37' 53"	Sgr	globular cluster	1434/378	N
☐	Bernes 157	19h 01m 35s	-37° 00' 55"	CrA	bright nebula	1434/379	N
☐	NGC 6744	19h 09m 45s	-63° 51' 21"	Pav	galaxy	1520/456	N
☐	NGC 6752	19h 10m 52s	-59° 58' 55"	Pav	globular cluster	1507/435	N
☐	NGC 6809	19h 39m 59s	-30° 57' 43"	Sgr	globular cluster	1410/379	N
☐	Cl Melotte 227	20h 12m 06s	-79° 19' 00"	Oct	open cluster	1538/470	N

Last half of the session

☐	NGC 55	00h 14m 54s	-39° 11' 55"	Scl	galaxy	430/386	N
☐	NGC 247	00h 47m 09s	-20° 45' 38"	Cet	galaxy	340/306	N
☐	NGC 253	00h 47m 33s	-25° 17' 18"	Scl	galaxy	364/306	N
☐	NGC 288	00h 52m 45s	-26° 34' 51"	Scl	globular cluster	364/307	N
☐	NGC 1261	03h 12m 15s	-55° 13' 01"	Hor	globular cluster	460/419	N
☐	NGC 7089	21h 33m 27s	-00° 49' 24"	Aqr	globular cluster	1286/255	N
☐	NGC 7099	21h 40m 22s	-23° 10' 45"	Cap	globular cluster	1381/346	N
☐	NGC 7293	22h 29m 39s	-20° 50' 14"	Aqr	planetary nebula	1355/347	N

Both early and late

☐	NGC 1851	05h 14m 07s	-40° 02' 47"	Col	globular cluster	417/393	N
☐	NGC 2547	08h 10m 26s	-49° 10' 03"	Vel	open cluster	966/396	N
☐	IC 2391	08h 40m 40s	-53° 03' 24"	Vel	open cluster	981/425	N

Late critical

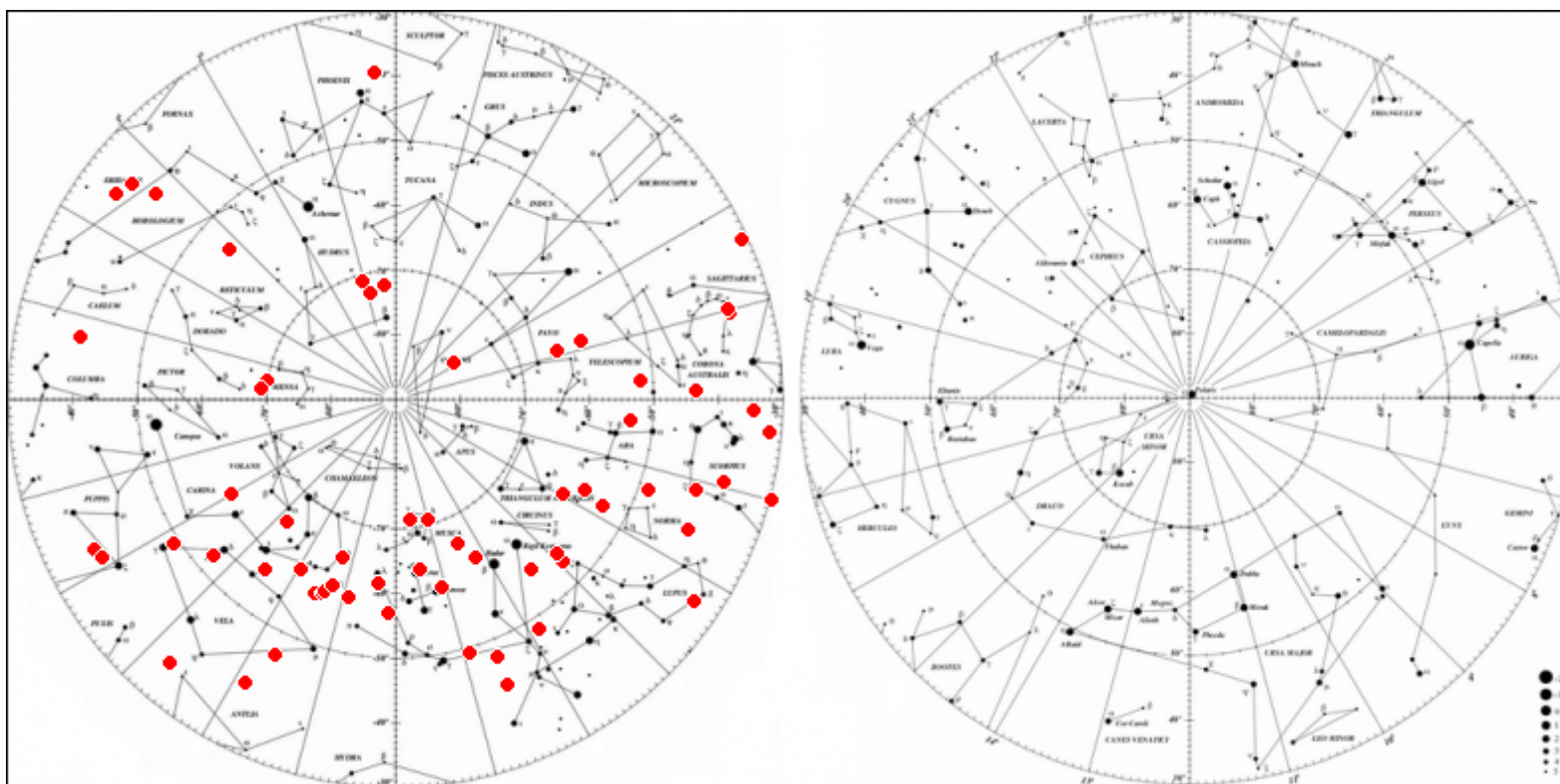
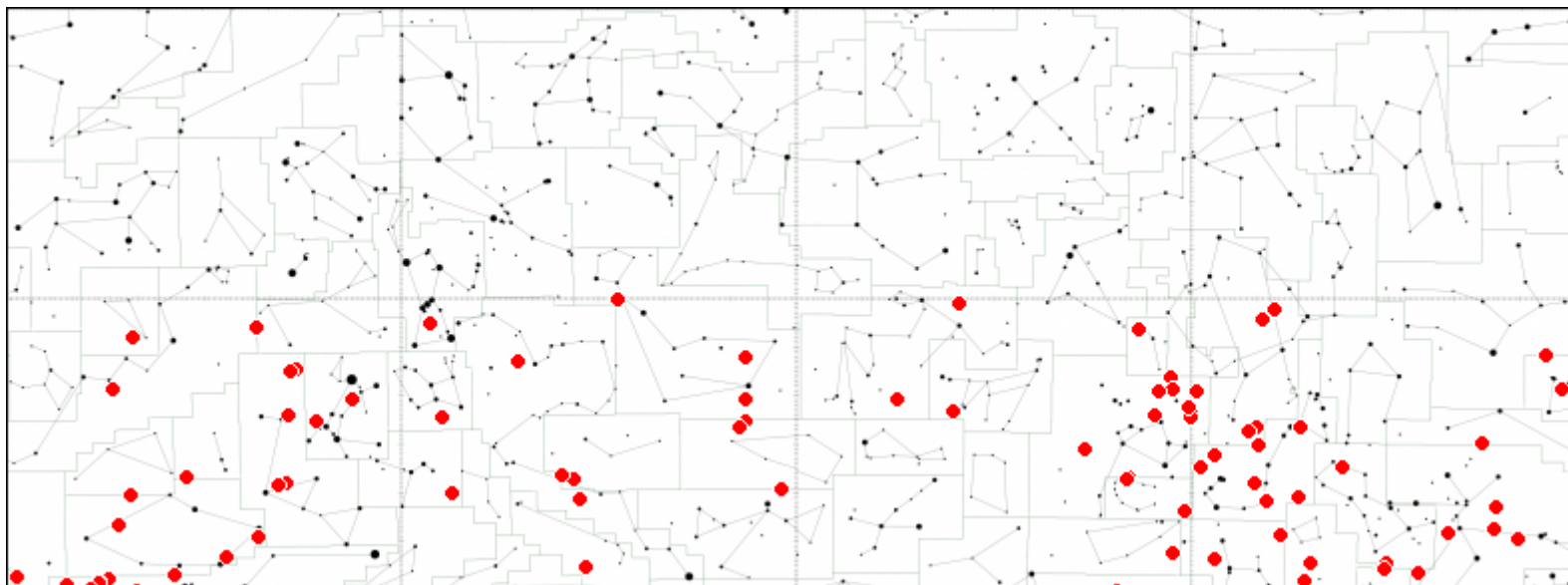
☐	NGC 246	00h 47m 03s	-11° 52' 19"	Cet	planetary nebula	316/261	N
☐	NGC 1068	02h 42m 41s	-00° 00' 48"	Cet	galaxy	262/220	N
☐	NGC 1269	03h 17m 19s	-41° 06' 29"	Eri	galaxy	422/390	N
☐	NGC 1316	03h 22m 42s	-37° 12' 34"	For	galaxy	401/355	N
☐	NGC 1365	03h 33m 36s	-36° 08' 28"	For	galaxy	401/355	N
☐	NGC 1535	04h 14m 16s	-12° 44' 22"	Eri	planetary nebula	306/268	N
☐	NGC 1904	05h 24m 11s	-24° 31' 27"	Lep	globular cluster	350/315	N
☐	NGC 1976	05h 35m 17s	-05° 23' 28"	Ori	bright nebula	278/225	N
☐	NGC 1977	05h 35m 15s	-04° 53' 12"	Ori	open cluster	278/225	N

Total number of objects in this list: 100

Visible during the current session: 100

Number of objects in this list you have observed: 0

Finder chart



- Zoom map #5 (RA 06–12, Dec -60–0; CMa, Mon, Hya, Crt, Pup, Vel, Pyx, Ant, Car)** (22 objects)
- Zoom map #6 (RA 00–06, Dec -60–0; Ori, Lep, Eri, Cet, For, Scl, Phe, Hor, Cae, Col)** (15 objects)
- Zoom map #7 (RA 18–24, Dec -60–0; Aqr, Cap, Sct, Sgr, CrA, Tel, Ind, PsA, Gru, Scl)** (17 objects)
- Zoom map #8 (RA 12–18, Dec -60–0; Oph, Sco, Lib, Vir, Crv, Lup, Cen, Nor, Ara)** (27 objects)
- Zoom map #9 (centred on south celestial pole, southward of -30°)** (63 objects)

Clear skies!

Elsewhere in DOCdb

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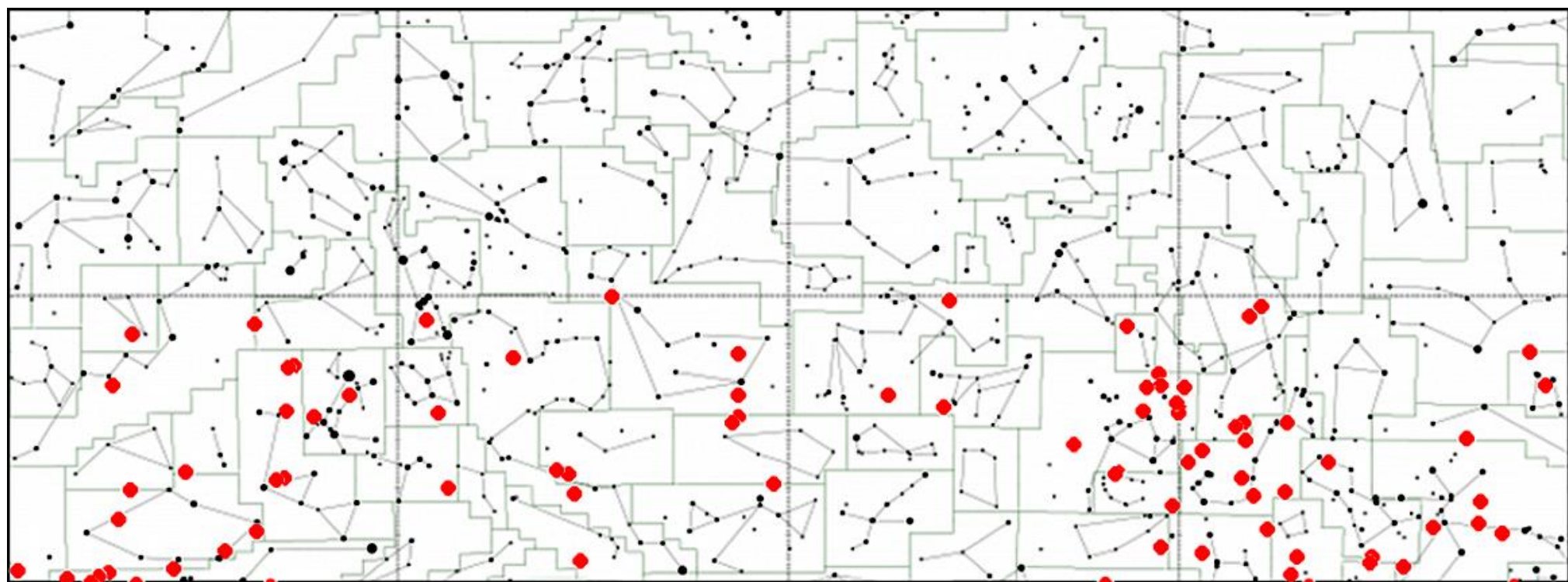
observers
sites
astrophotos

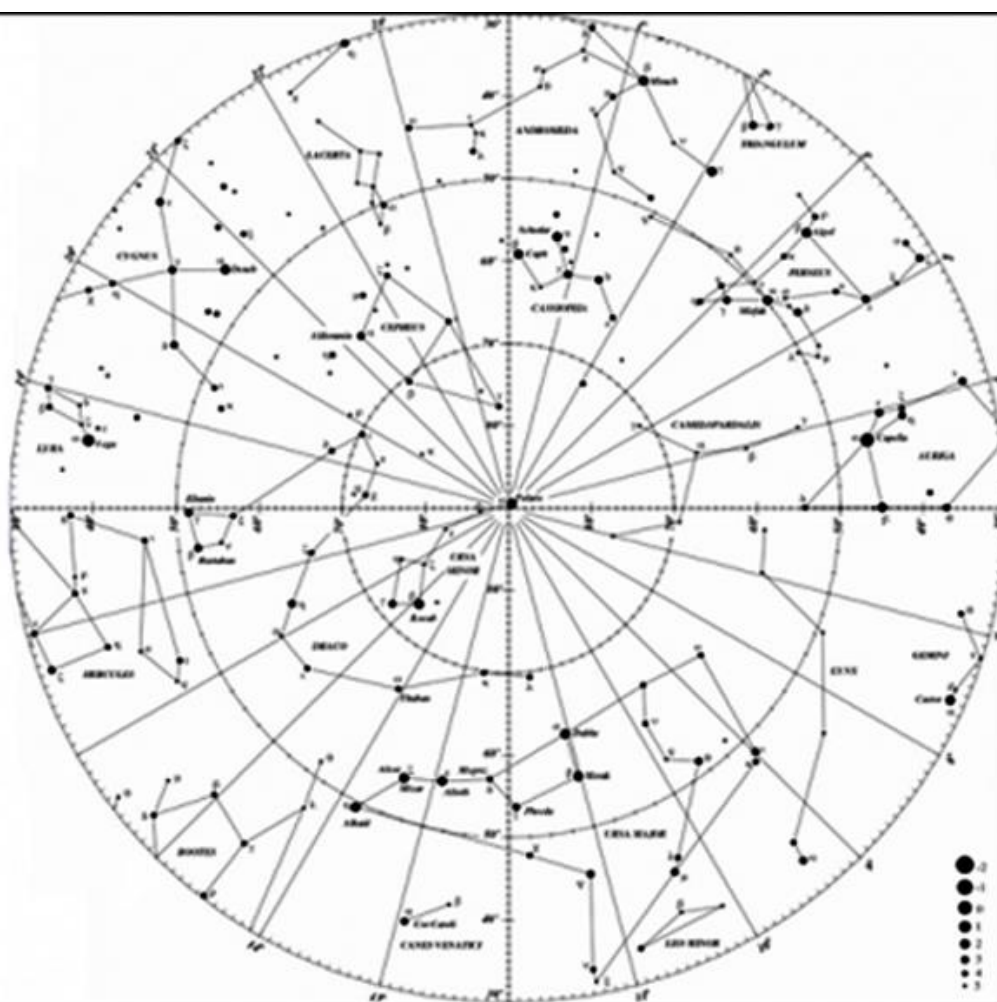
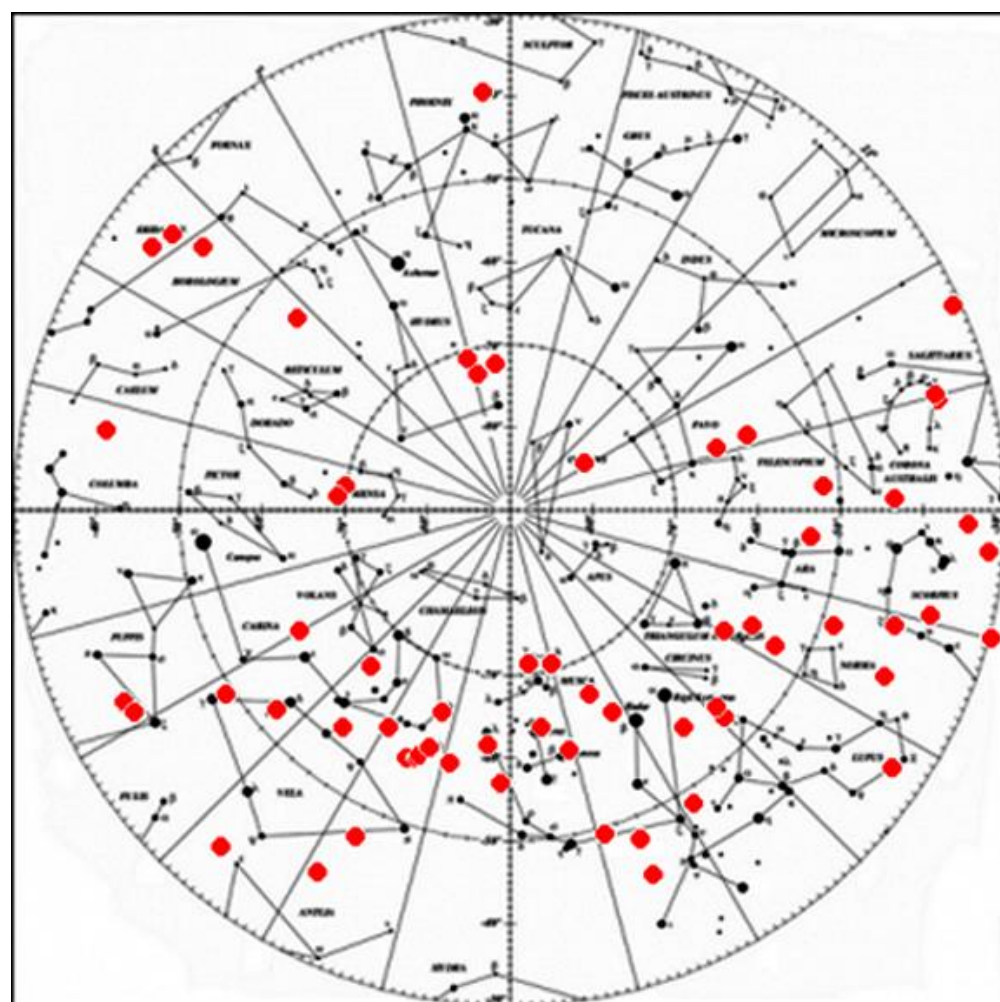
biographies
e-texts
sketches

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tools

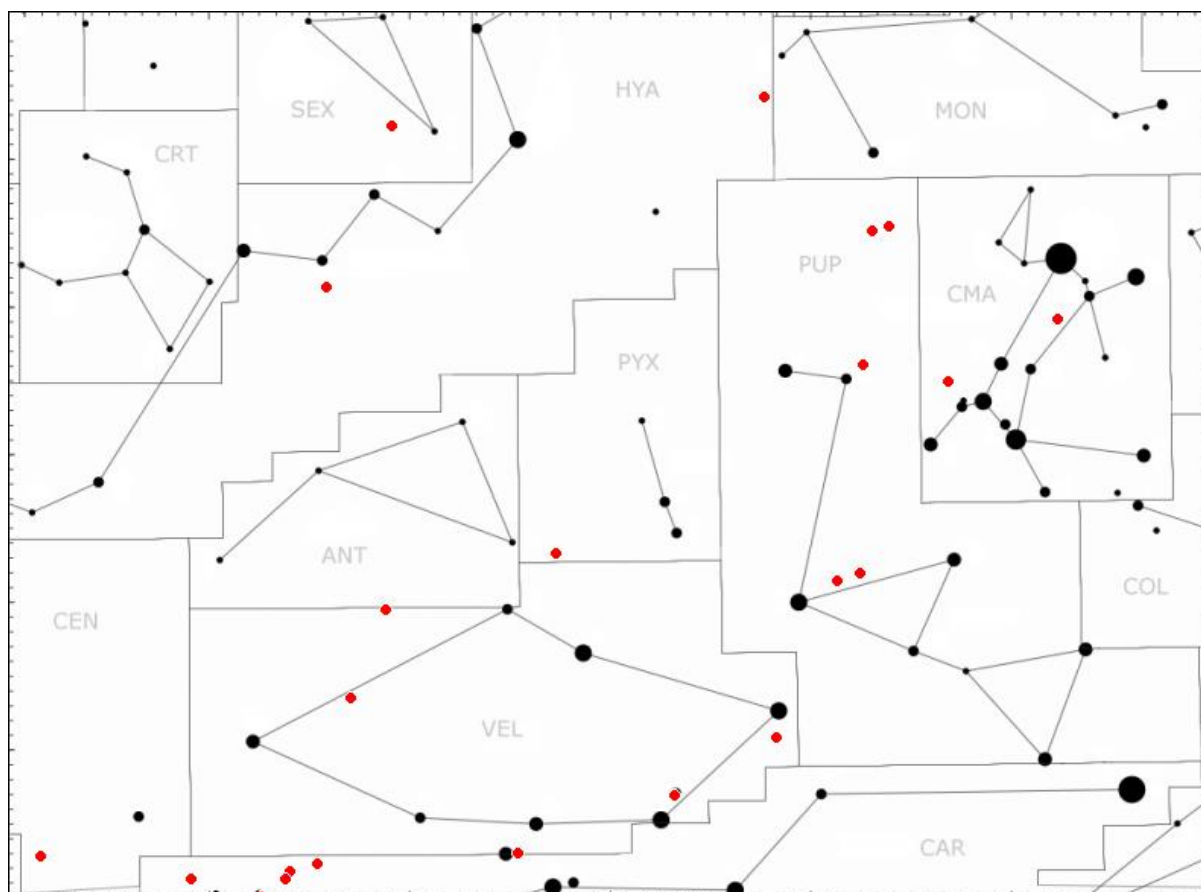
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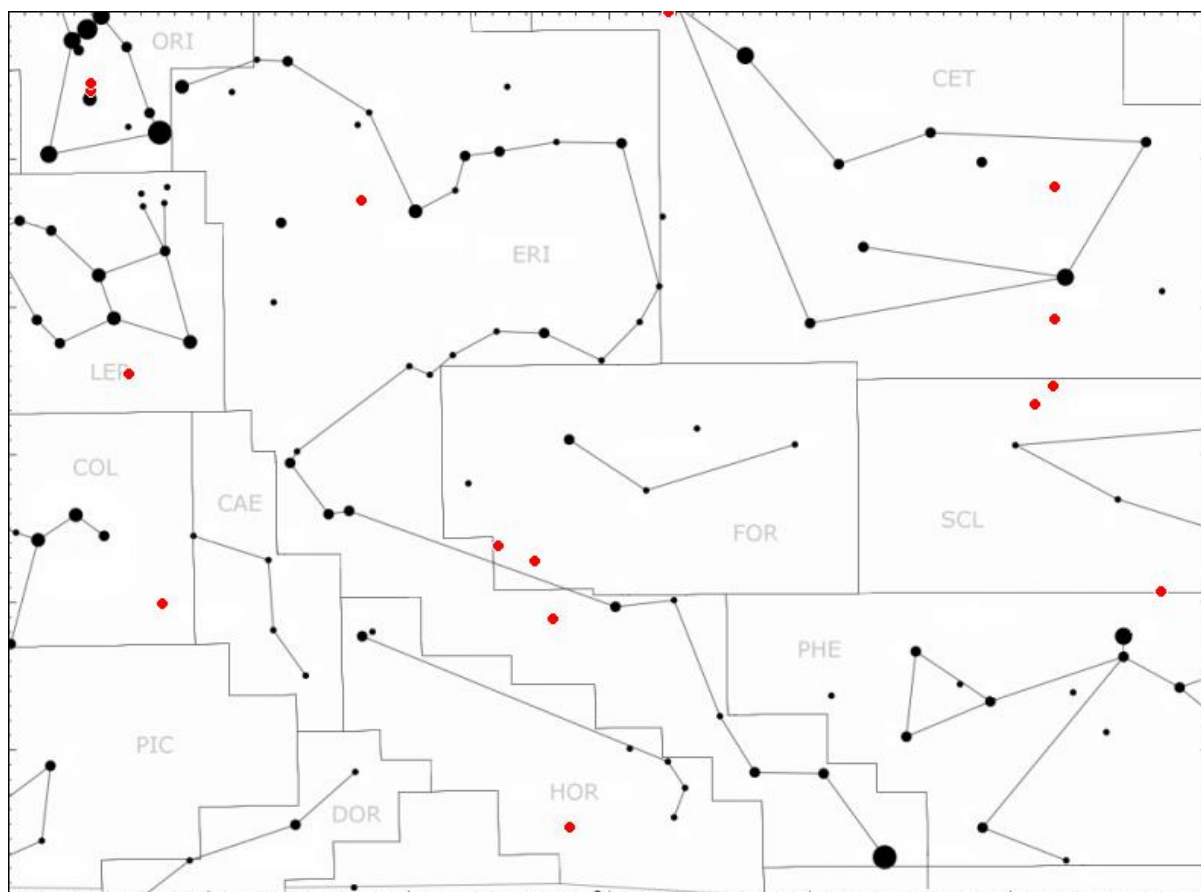




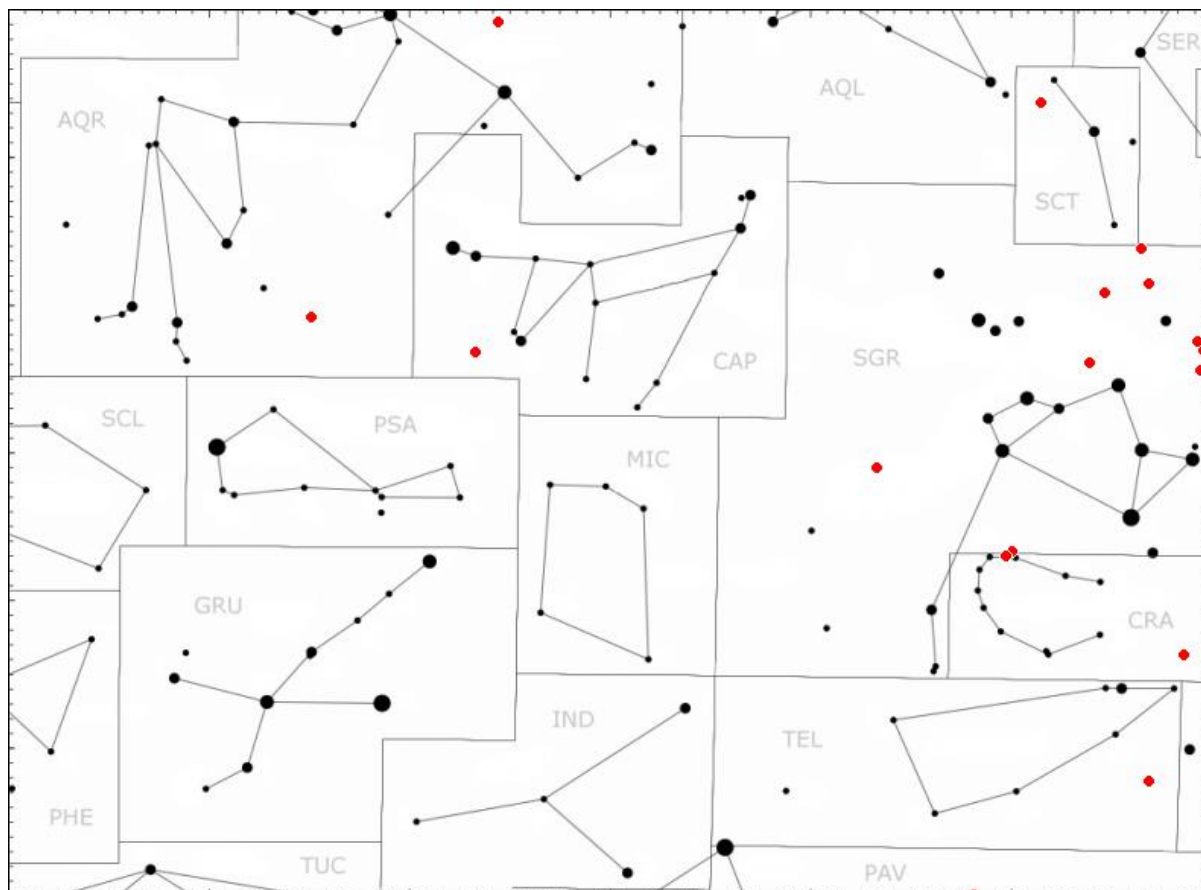
Zoom map #5 (RA 06–12, Dec -60–0; CMa, Mon, Hya, Crt, Pup, Vel, Pyx, Ant, Car) (22 objects)



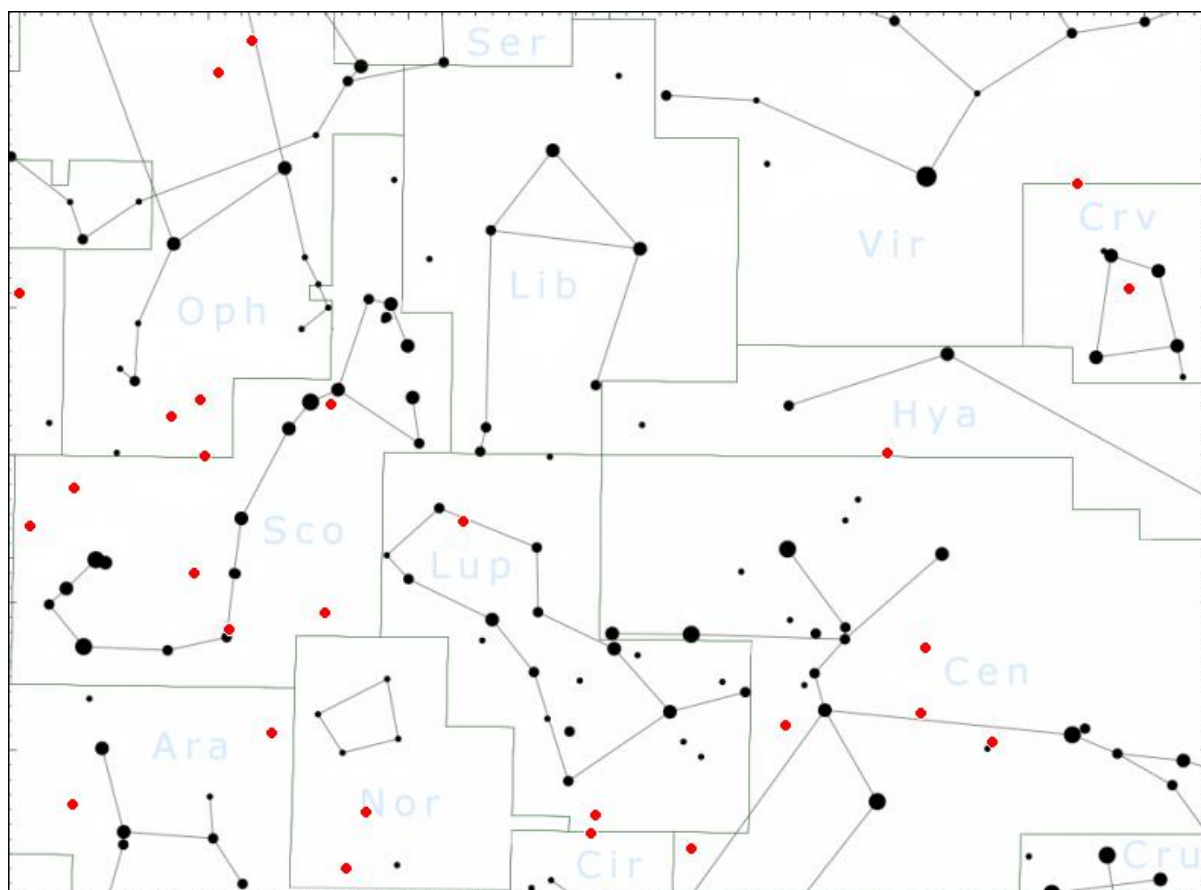
Zoom map #6 (RA 00–06, Dec -60–0; Ori, Lep, Eri, Cet, For, Scl, Phe, Hor, Cae, Col) (15 objects)



Zoom map #7 (RA 18–24, Dec -60–0; Aqr, Cap, Sct, Sgr, CrA, Tel, Ind, PsA, Gru, Scl) (17 objects)



Zoom map #8 (RA 12–18, Dec -60–0; Oph, Sco, Lib, Vir, Crv, Lup, Cen, Nor, Ara) (27 objects)



Zoom map #9 (centred on south celestial pole, southward of -30°) (63 objects)

