

# Observing Log

Object type: Open Cluster

Object ID: NCC 2423

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer B Young

Date 3/24/16

Time 9:45 CST

Location RMCC

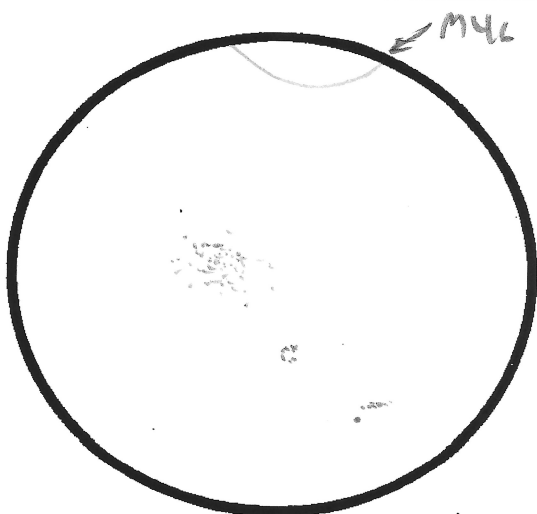
Seeing II Transparency II

Instrument XTR

Size 12

Eyepiece 42

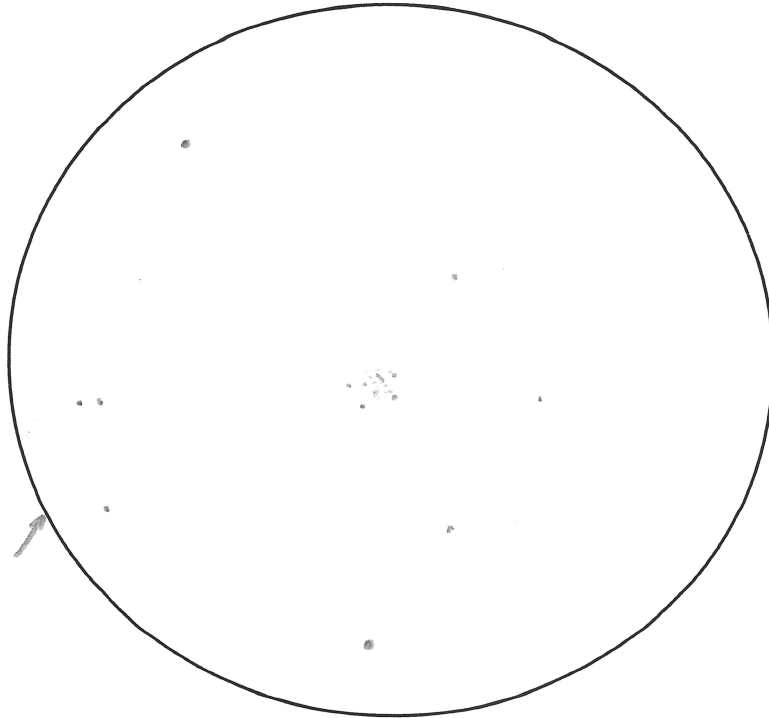
Field of view \_\_\_\_\_ Power 38



- Can this cluster be easily distinguished from the background stars? Yes
- What is the overall shape of the object? Randish
- How many stars can you count in the cluster? 25-30
- Are the stars more concentrated in any one particular area? No
- Is this cluster resolved fully or is there some background nebulosity noticed?
- Is there any particular area where you notice an absence of stars in this cluster? No
- Are there any particularly bright stars involved in this cluster? If so, do they show any colors? No
- Are there any other deep-sky objects in the same field of view? If so, what? M46 to S

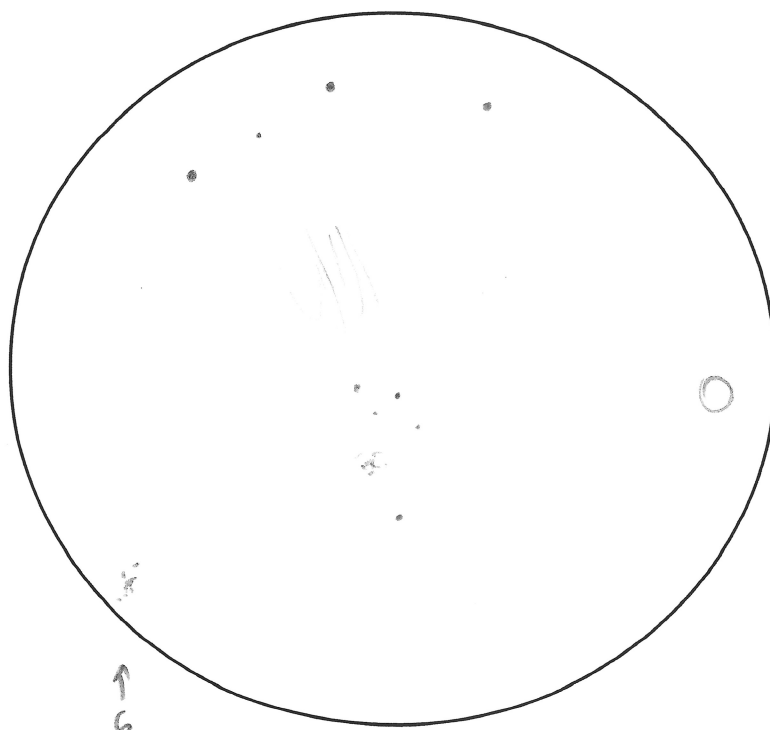
Description 2 knots as shown - off to NE

DATE 3/24/6 TIME 10:20 CST CDT CLARITY I II III IV V SEEING I II III IV V  
INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
POWER 38 60 121 150 250 375 10 47 73 153 190 O/P 316 475 \_\_\_  
OBJECT NGC 2343 FILTER NO VP NB WB OIII \_\_\_  
OBS. PROGRAM \_\_\_\_\_ LOC. RMCC RANCH HOME \_\_\_\_\_



Nice, small 8 stars + glow  
NGC 2335 will be where → points (next)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE 3/24/6 TIME 10:15 CST CDT CLARITY I II III IV V SEEING I II III IV V  
 INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
 POWER 38 60 121 150 250 375 10 47 73 153 190 O/P 316 475 \_\_\_  
 OBJECT NGC 2335 FILTER NO VP NB WB OIII \_\_\_  
 OBS. PROGRAM \_\_\_\_\_ LOC. RMCC RANCH HOME \_\_\_\_\_



Small, randy, 10 stars + glow, w/reb. to S  
 w/Ar. Clump of 6 to W.

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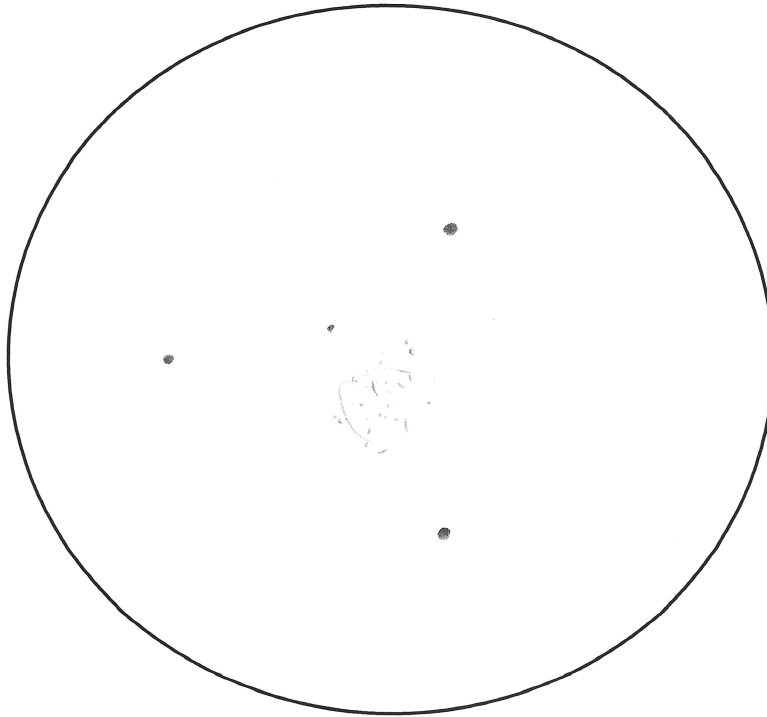


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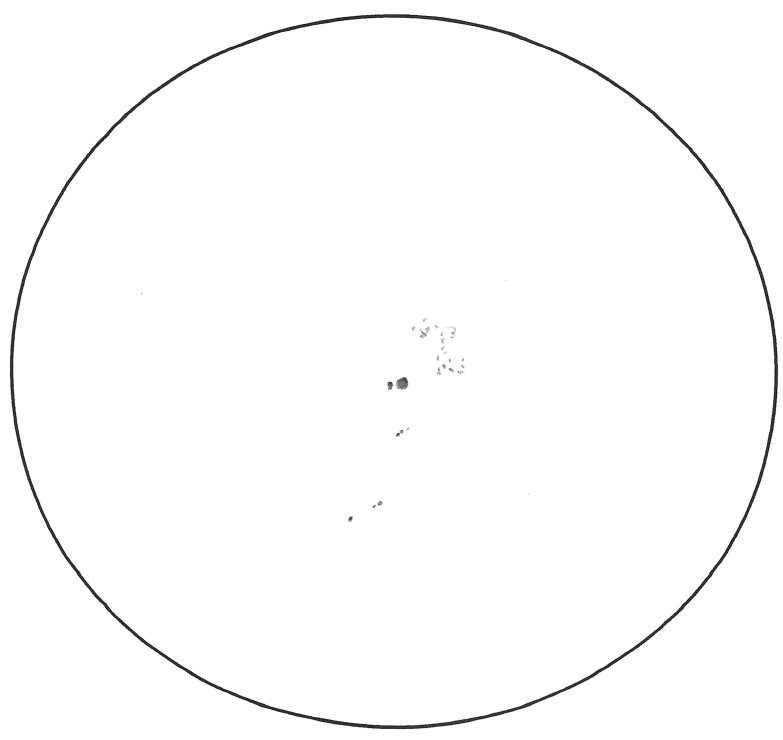
DATE 3/25/6 TIME 8:05  CST CDT CLARITY I  II III IV V SEEING I  II III IV V  
INSTRUMENT ETX-125 50 x 800 mm RR 10x50 EYE X712  
POWER 10 47 73 153 316 475 20 30 64 80 133 200 38  
OBJECT NGC 1996 FILTER  NO NB WB OIII \_\_\_\_\_  
OBS. PROGRAM \_\_\_\_\_ LOCATION  RMCC HOME \_\_\_\_\_



SO FAINT! At very low "band" ~ 20 f  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

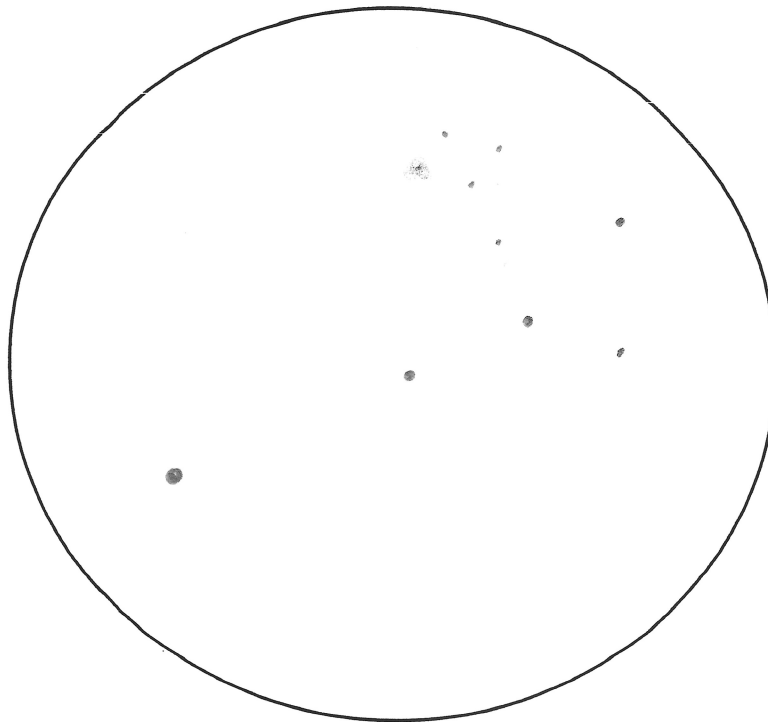


DATE 3/24/6 TIME 10:00 CST CDT CLARITY I II III IV V SEEING I II III IV V  
 INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
 POWER 38 60 121 150 250 375 10 47 73 153 190 O/P 316 475 \_\_\_  
 OBJECT HIP 36251 + <sup>NFC</sup> 2396 FILTER NO VP NB WB OIII \_\_\_  
 OBS. PROGRAM \_\_\_\_\_ LOC. RMCC RANCH HOME \_\_\_\_\_



Lovely gold & blue-white dbl w/ex. small  
cluster to SSE.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATE 4/21/6 TIME \_\_\_\_\_ CST CDT CLARITY I II III IV V SEEING I II III IV V  
INSTRUMENT XT-12 ETX-125 50 x 800 mm RR 10x50 EYE  
POWER (38) 60 121 150 250 375 10 47 73 153 316 475 \_\_\_\_\_  
OBJECT √ 3593 FILTER NO NB WB OIII \_\_\_\_\_  
OBS. PROGRAM \_\_\_\_\_ LOC. RMCC RANCH HOME \_\_\_\_\_



Easy! stellar core, round

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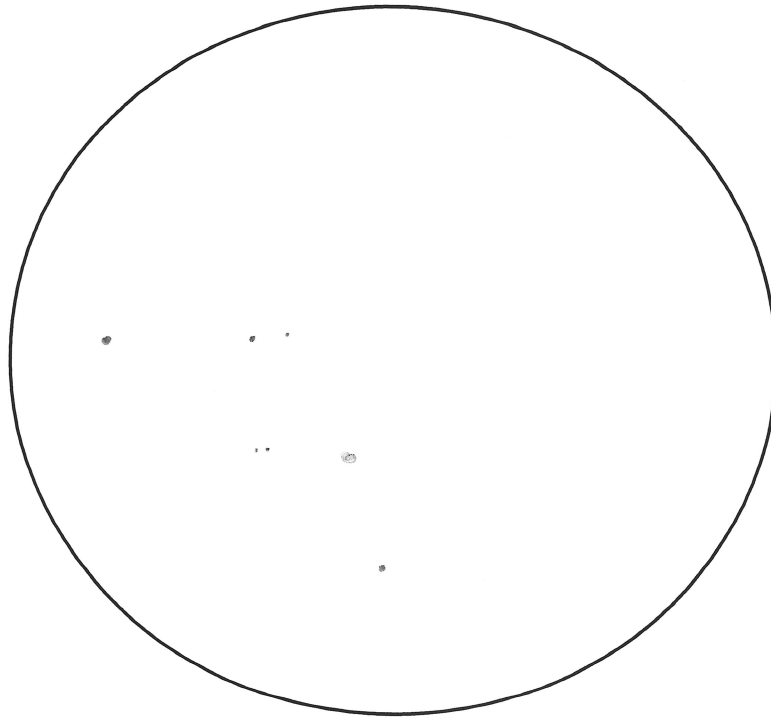
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DATE 4/22/6 TIME 12:20 CST CDT  CLARITY I  II III IV V SEEING I  II III IV V  
INSTRUMENT ETX-125 50 x 800 mm RR X5-12 10x50 EYE  
POWER 10 47 73 153 316 475  20 30 64 80 133 200  
OBJECT NGC 4808 FILTER  NO NB WB OIII \_\_\_\_\_  
OBS. PROGRAM \_\_\_\_\_ LOCATION  RMCC HOME \_\_\_\_\_



Just a small oval dim glow - but well seen  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

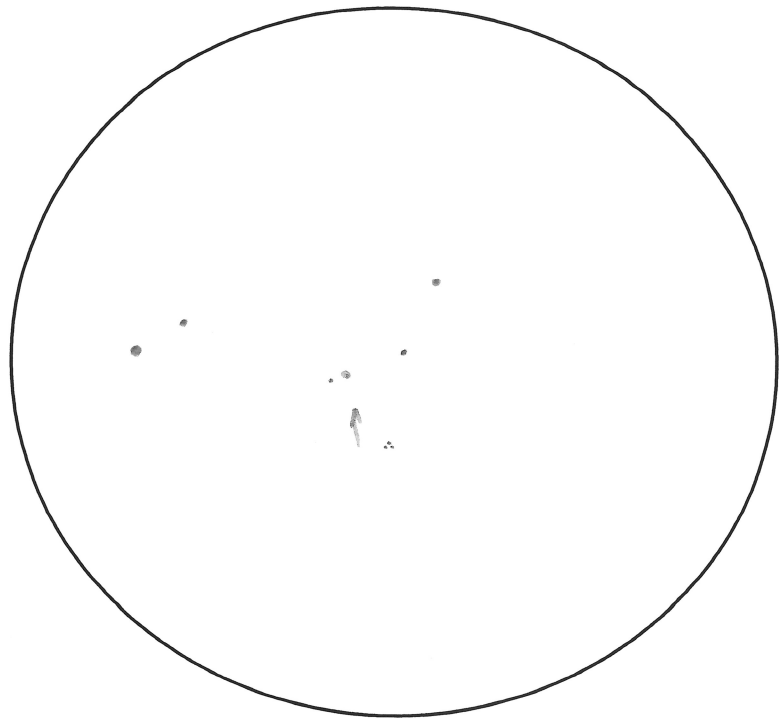
DATE 4/22/6 TIME 2:25 CST CDT  CLARITY I  II III IV V SEEING I  II III IV V

INSTRUMENT ETX-125 XT-12 50 x 800 mm RR 10x50 EYE

POWER 10 47 73 153 316 475 37 20 30 64 80 133 200

OBJECT N6C 4701 FILTER  NO NB WB OIII

OBS. PROGRAM \_\_\_\_\_ LOCATION RMCC HOME \_\_\_\_\_



Small but seen easily. Very cool Δ just to ENE

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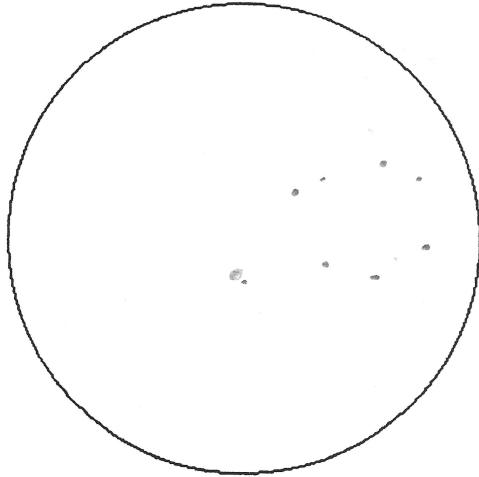
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# Observation Log Sheet

Object NGC 4580 Date 4/22/6  
Constellation \_\_\_\_\_ Time 12:45 CDT  
Magnitude \_\_\_\_\_ Seeing: Transparency II  
Concentration Class \_\_\_\_\_ Steadiness II  
Location \_\_\_\_\_ Telescope XT-12  
Eyepiece / Magnification 42/37x

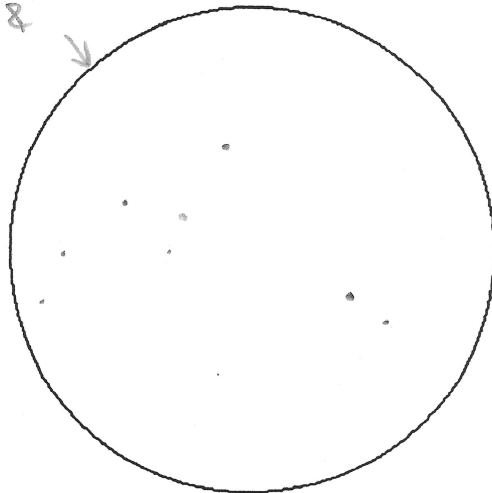
Notes: Right near a star



Object NGC 4457 Date 4/22/6  
Constellation \_\_\_\_\_ Time 12:55 CD  
Magnitude \_\_\_\_\_ Seeing: Transparency II  
Concentration Class \_\_\_\_\_ Steadiness II  
Location \_\_\_\_\_ Telescope XT-12  
Eyepiece / Magnification 42/37x

Notes:

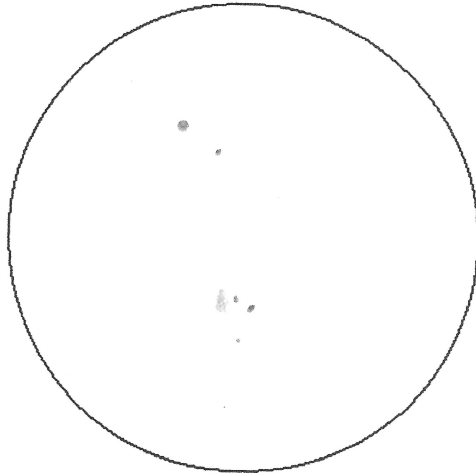
Very small & dim



## Observation Log Sheet

Object NGC 4496<sup>RED</sup> Date 4/22/6  
 Constellation \_\_\_\_\_ Time 1:00 CDT  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X7-12  
 Eyepiece / Magnification 42 / 37x

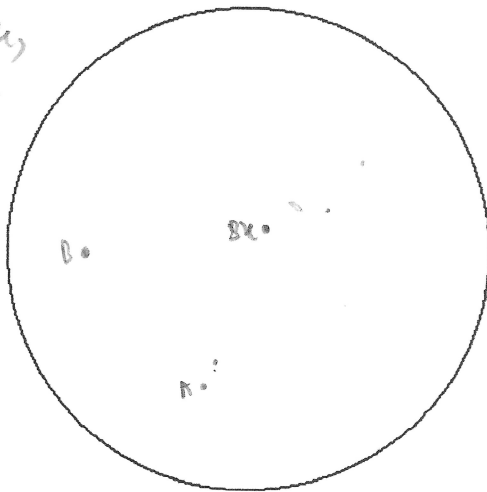
Notes: Can't resolve @ 37x but P.S. elong.



Object NGC 4480 Date 4/22/6  
 Constellation \_\_\_\_\_ Time 1:05 CDT  
 Magnitude \_\_\_\_\_ Seeing: Transparency II  
 Concentration Class \_\_\_\_\_ Steadiness II-  
 Location \_\_\_\_\_ Telescope X7-12  
 Eyepiece / Magnification 42 / 37x

Notes: BK > A < B

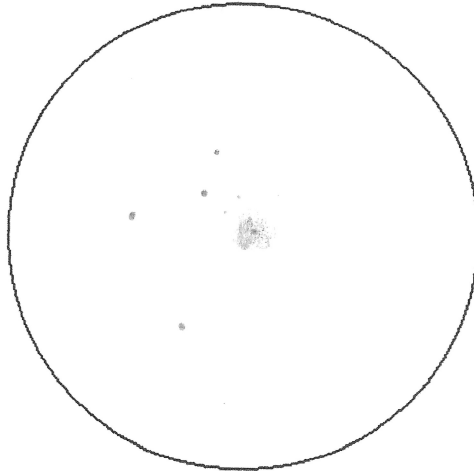
Galaxy seen ok,  
elong. small &  
faint



# Observation Log Sheet

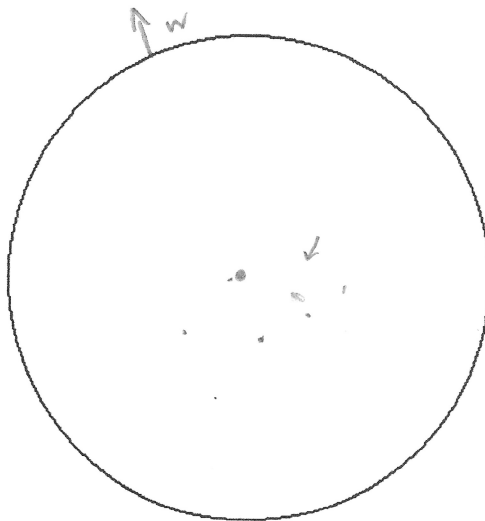
Object M61 Date 4/22/6  
Constellation \_\_\_\_\_ Time 1:15 CDT  
Magnitude \_\_\_\_\_ Seeing: Transparency II  
Concentration Class \_\_\_\_\_ Steadiness II-  
Location \_\_\_\_\_ Telescope XT-12  
Eyepiece / Magnification 42/37x

Notes:



Object NGC 4324 Date 4/22/6  
Constellation \_\_\_\_\_ Time 1:20 CDT  
Magnitude \_\_\_\_\_ Seeing: Transparency II  
Concentration Class \_\_\_\_\_ Steadiness II-  
Location \_\_\_\_\_ Telescope XT-12  
Eyepiece / Magnification 42/37x

Notes:



# Observing Log

Object type: Galaxy

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Object ID: NGC 5292

Const.: \_\_\_\_\_

RA: \_\_\_\_\_ Dec.: \_\_\_\_\_

Mag: \_\_\_\_\_ Size: \_\_\_\_\_

Observer \_\_\_\_\_

Date 5/17/6

Time 10:50

Location RMCC

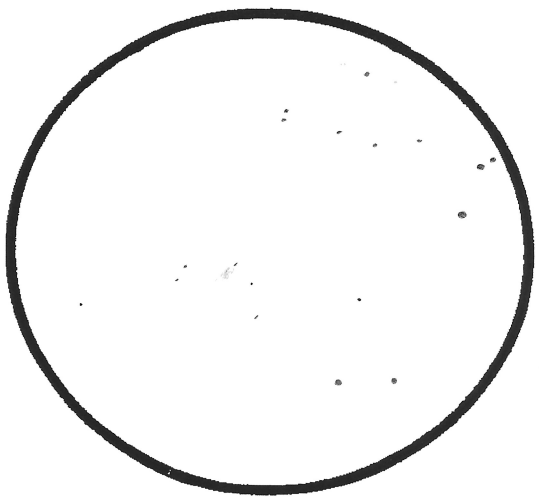
Seeing I- Transparency I-

Instrument XT-12

Size 12

Eyepiece 42

Field of view \_\_\_\_\_ Power 36



- Can this galaxy be seen with direct vision, or is averted vision required?
- What is the overall shape? elong, points to star
- Is a core noticeable? No
- Is the core compact or stellar? -
- Can any detail be seen between the core and the outer envelope of the object? No
- Are the edges of the outer envelope sharp or diffuse?
- Can any detail or mottling be seen in the outer envelope (bright or dark patches or lanes)? No
- Are there any other deep-sky objects in the same field of view? If so, what? No

Description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**OBSERVATION LOG**

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
B youth	5/8/6	X5-12	I-	NGC 4660
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
RMCC	12:40	36x	I-	Vir
DESCRIPTION				
PF, next to nice D of fs, seen dV, not much detail, Ar helps bring out. Off Axrly bright fs				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	NGC 4606
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	12:45	"	"	Vir
DESCRIPTION				
Real challenge to see. Not E-W wide dbl, but of compact nuc, elongated, 3x1 ratio				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	M58
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	12:47	"	"	Vir
DESCRIPTION				
Was seen at beginning, mistook as M60				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	NGC 4564
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	12:50	"	"	Vir
DESCRIPTION				
SW of M58, next to 1st star, two (no 3!) in field next to wide dbl. Stellar nuc, compact glow				

# OBSERVATION LOG

H1 (cont.) 4429

NAME B Young	DATE 5/18/16	INSTRUMENT XT-12	SEEING I-	OBJECT NAME NGC 4567/68
SITE MCC.	TIME 12:55	POWER 36x	TRANSPARENCY I-	CONSTELLATION VV
DESCRIPTION				
Can see split E-W, both near to db1, RA $\approx 35^\circ$ , so split $\approx 110^\circ$ . Both no nuc., amorphous glows				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 4528
SITE "	TIME 12:58	POWER "	TRANSPARENCY "	CONSTELLATION VV
DESCRIPTION				
AV, seen, small, st. nuc., needs AV				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 4503
SITE "	TIME 1:00	POWER "	TRANSPARENCY "	CONSTELLATION VV
DESCRIPTION				
Found easily, remote in blank field, next to 10m $\approx 10.5m$ , nuc stellar, oval glow, DV				

NAME "	DATE "	INSTRUMENT "	SEEING "	OBJECT NAME NGC 4429
SITE "	TIME 1:05	POWER "	TRANSPARENCY "	CONSTELLATION VV
DESCRIPTION				
Easy, right between 2 bright A, closer to none elong, compact nuc. <sup>small</sup> 2x1 elong E-W <sup>horiz of motion</sup> in glow (arms?)				

# OBSERVATION LOG

C38 = 4565  
 CARWELL (CONF.) C38 = 6124  
 H1 (CONF.) = 4494

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
B Yount	5/18/6	10x50	I-	Nbe 6124
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
MCC	12:45	10x	I-	Scor
<b>DESCRIPTION</b>				
Quite impressive even in binocs!				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	XT-12	I-	Nbe 4494
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	12:50	36x	I-	Corn
<b>DESCRIPTION</b>				
Same fil as 17Com - PB, compact core, glow, may be elliptical				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	NGC 4565
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	12:55	"	"	"
<b>DESCRIPTION</b>				
Amazing, needle thin glow, central hub w/ compact nucleus Star near nuc, "underneath". Needle length ~ dist. 2 fs w/ long triangle ~ 15' long				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"			NGC 4889/4874
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	1:00			
<b>DESCRIPTION</b>				
E-W of each other 11m near western one, both 11m, amorphous E one is a little brighter, stellar nuc, or, glow, no detail				

OBSERVATION LOG

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
B young	5/18/6	XT-12	I-	NBc 4725
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
RMCE	1:10	36	I-	Com
DESCRIPTION				
Very large, vB, comp almost stellar nucleus. Elongation NE/SW orientation, spiral looking				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	NBc 4747
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	1:15	"	"	"
DESCRIPTION				
BN, not much glow, inside asterism, makes almost a Comstocker shape, no much detail.				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	M 104
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	1:20	"	"	Vir
DESCRIPTION				
Amazing galaxy, 4 stars to west, wide dbl near it. Bang, bulge, push power to 12.4mm eyepiece, distinct on S side hint of dark lane by contrast				

NAME	DATE	INSTRUMENT	SEEING	OBJECT NAME
"	"	"	"	M 109
SITE	TIME	POWER	TRANSPARENCY	CONSTELLATION
"	1:25	"	"	UMa
DESCRIPTION				
Quite easily seen, once Phd is set. Asterism <sup>Asterism 3</sup> Tall W, M109 next to middle of W. Amorphous. Stellar nuc., spiral shape, some nothing				