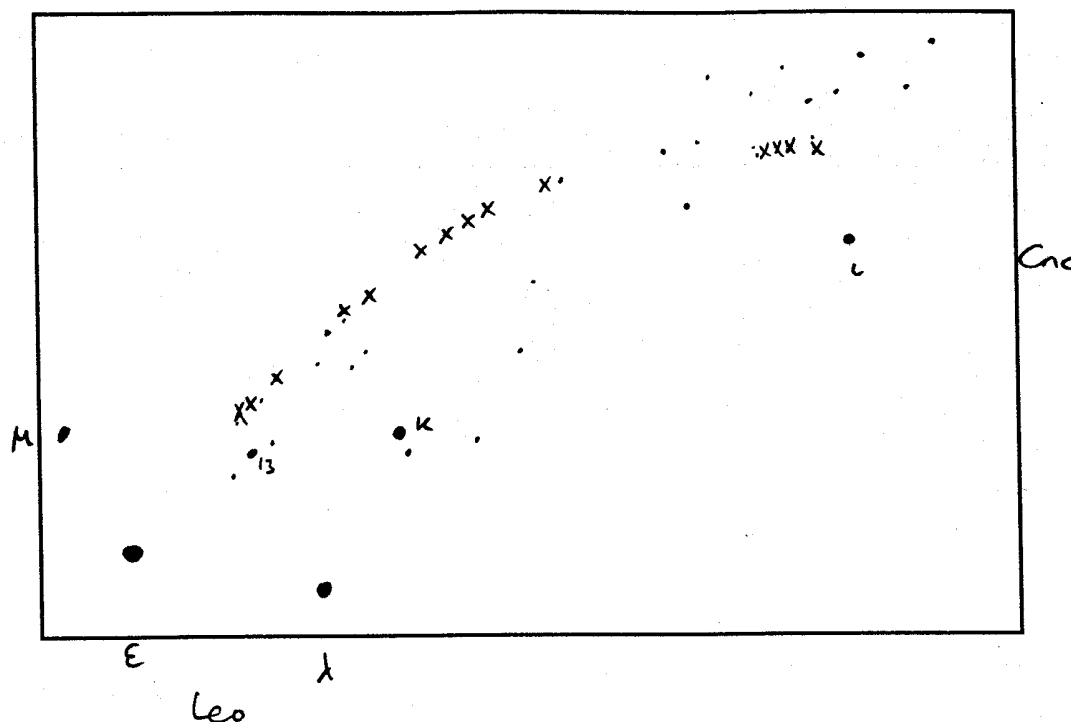


DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

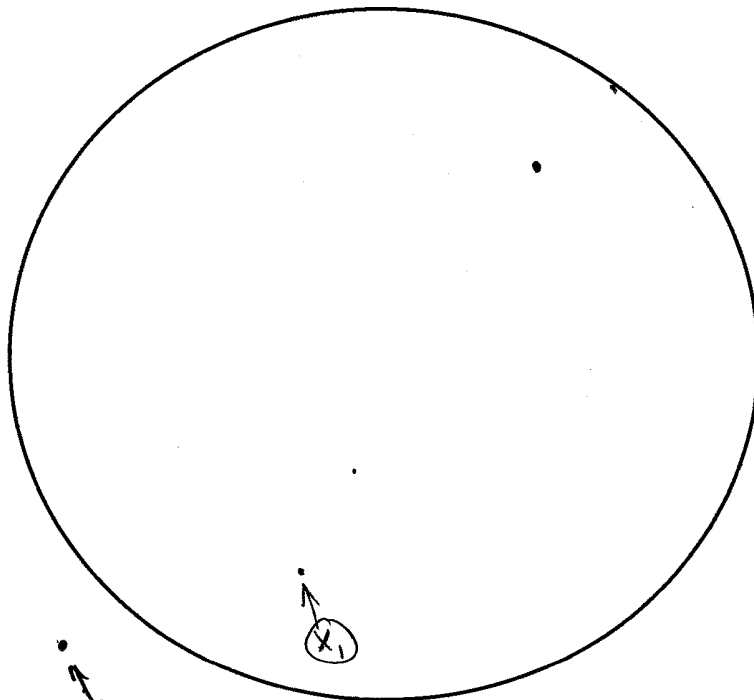
INSTRUMENT ^{4.5" 2} ETX-125 10x50 EYE POWER 10X ^{2 45X} ~~73X~~ 153X 475X

OBJECT 1 Ceres DESCRIPTION _____



X (from left to right) (east to west)			
1/8/95	4:40 am	4.5"	45X
1/9/95	6 am	4.5"	45X
1/14/95	6 am	4.5"	45X
1/24/95	6 am	4.5"	45X
1/26/95	12:15 am	4.5"	45X
2/2/95	6 am	10x50	
2/3/95	6 am	10x50	
2/4/95	12 am	10x50	
2/5/95	6 am	10x50	
2/9/95	6 am	10x50	
2/17/95	8 pm	10x50	
2/18/95	8 pm	10x50	
2/19/95	7 pm	10x50	
2/24/95	8 pm	10x50	

8/10/15/3 22:15 5- 7
DATE 8/14/3 TIME 22:30 CST CDT CLARITY (1) II III IV V SEEING I II III IV V
INSTRUMENT (ETX-125) 10x50 EYE POWER 10 (47) 13 153 475X NEB FILTER
OBJECT 2 Pallas LOCATION RMCC HOME



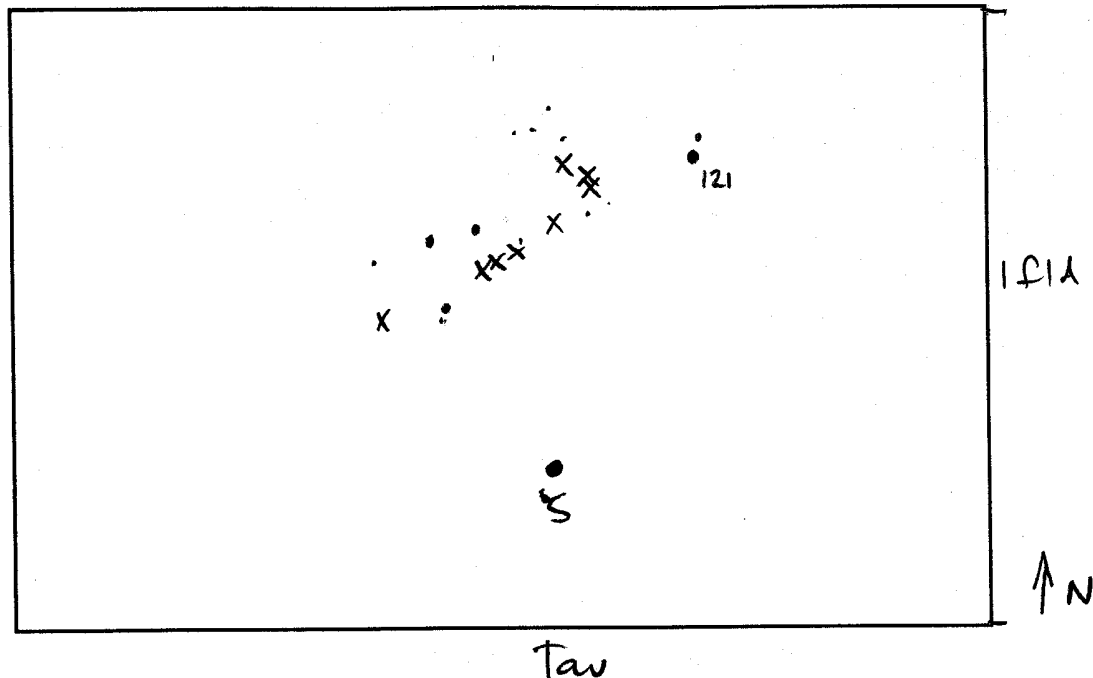
(X1) Very easy though low & w/ moon rising.

(X2) Very easy at RMCC - obvious

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

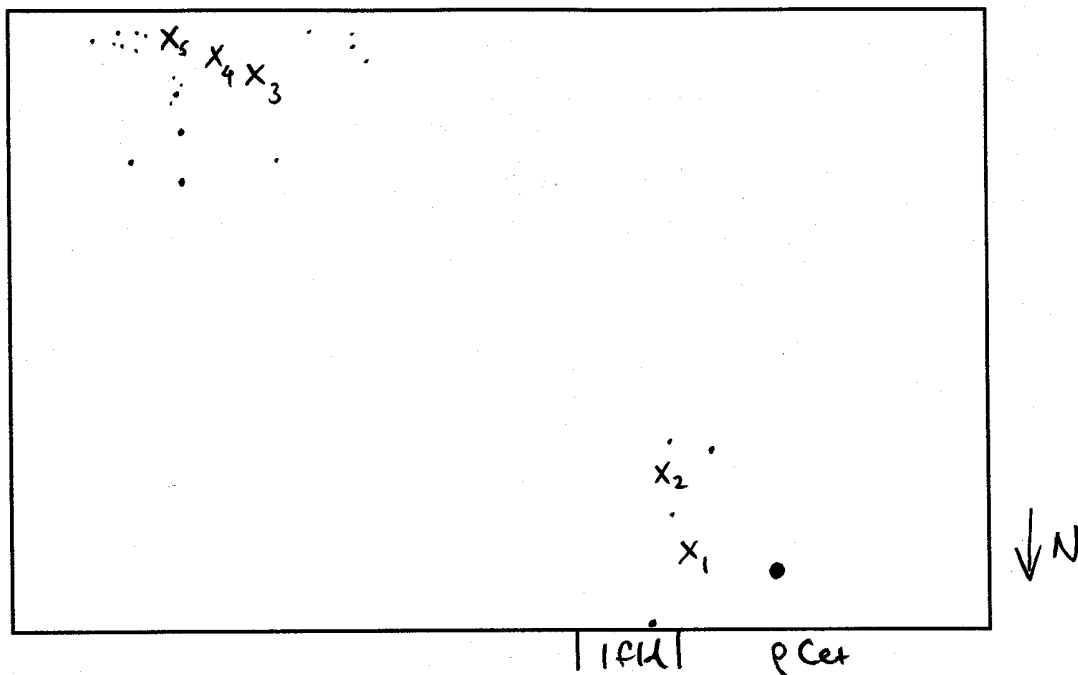
OBJECT 4 VESTA DESCRIPTION _____



X (LEFT TO RIGHT = EAST TO WEST)

1/25/95	6 AM	10X50
2/2/95	6 AM	10X50
2/2/95	11 PM	10X50
2/3/95	11 PM	10X50
2/5/95	10 PM	10X50
2/19/95	6 AM	10X50
2/19/95	9 PM	10X50
2/24/95	9 PM	10X50

OBJECT	DESCRIPTION
6 HEBE	

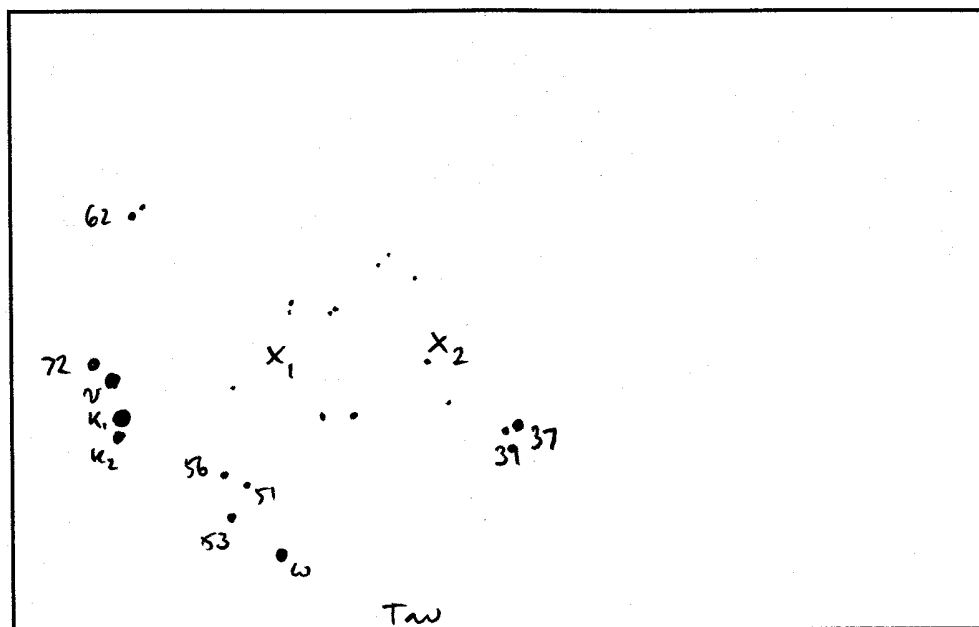


X ₁	10/2/95	4.5"	45X	6AM
				OBVIOUS @ 8 MAG
X ₂	10/5/95	4.5"	45X	6AM
X ₃	10/20/95	4.5"	45X	5AM
X ₄	10/21/95	4.5"	45X	6AM
X ₅	10/22/95	4.5"	45X	6AM
				Near nize group

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 (10x50) EYE POWER (10X) 73X 153X 475X

OBJECT 7 IRIS DESCRIPTION _____



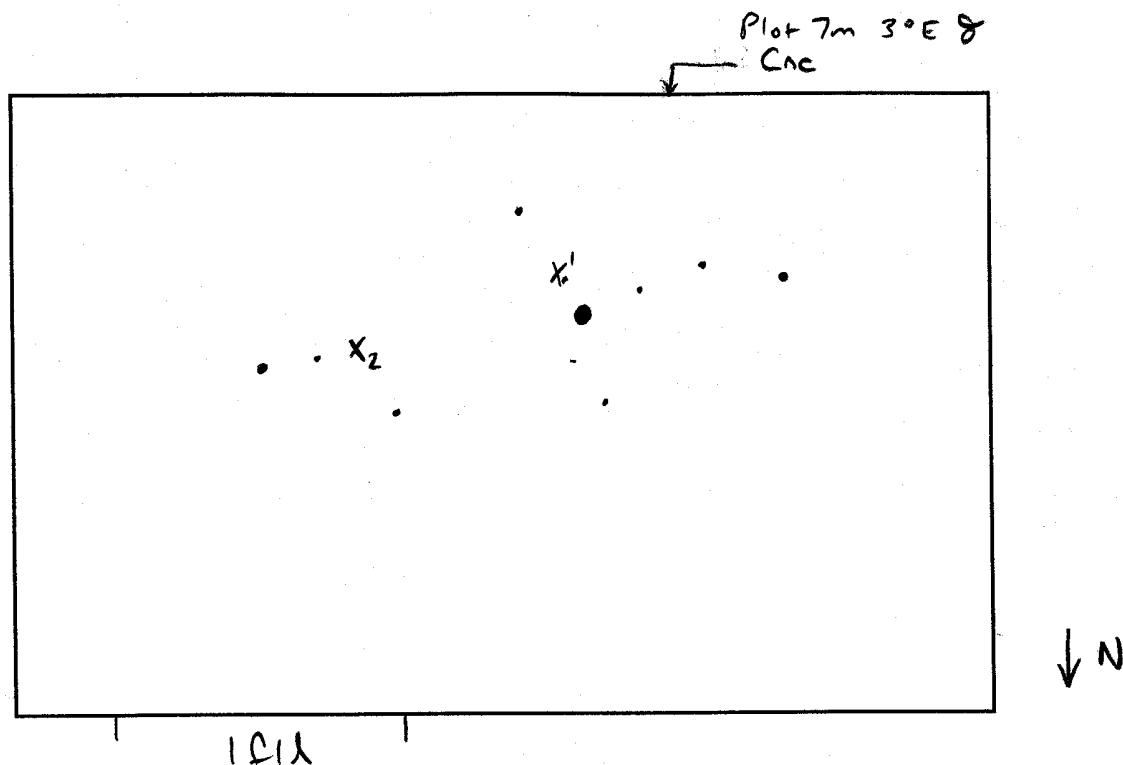
X₁ 12/6/95 6 AM 10x50's NEAR 2 DBL'S

X₂ 12/14/95 6 AM 10x50 STILL EASY

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ^{4.5"} ETX-125 10x50 EYE POWER 10X ^{45X} ~~73X~~ 153X 475X

OBJECT 11 PARTHENOPE DESCRIPTION _____



x₁ 2/2/95 5 AM 4.5" 45X

right next to
similar mag. star

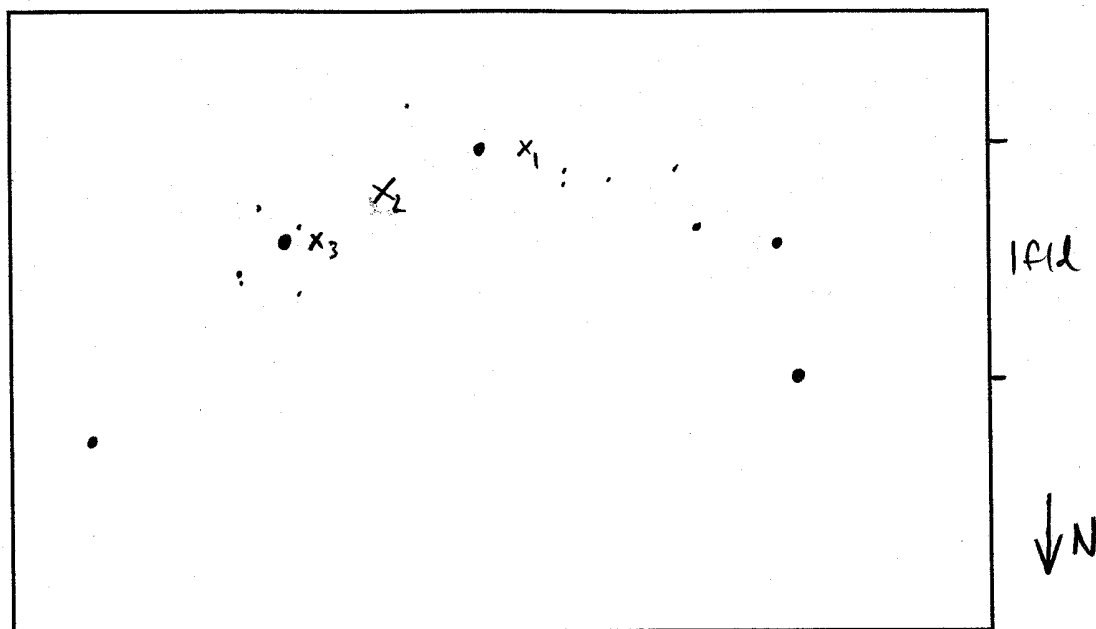
x₂ 2/4/95 5 AM 4.5" 45X

in line w/ 788 mags, & gone from previous
(2/2) pos.

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 12 VICTORIA DESCRIPTION _____

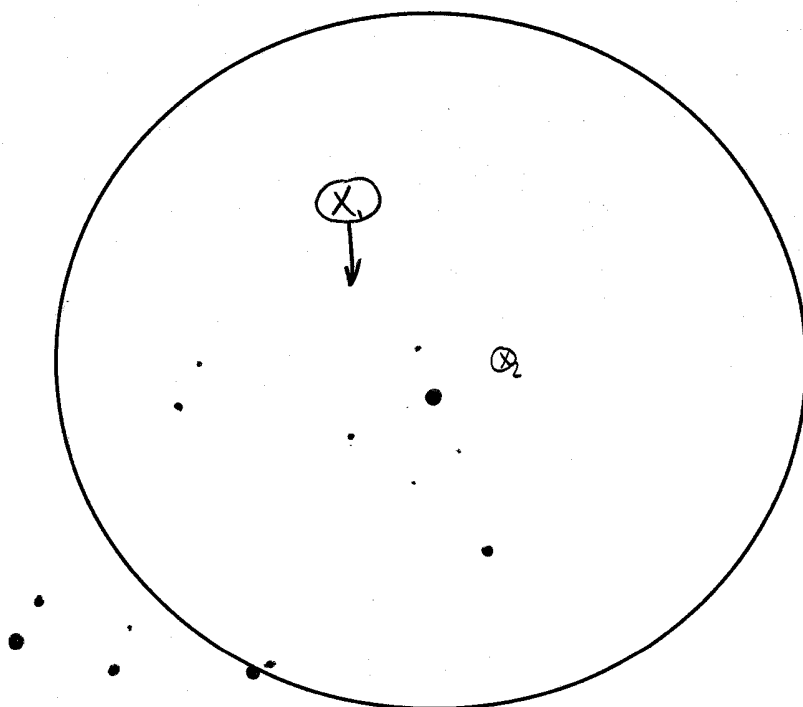


X₁ 4/2/95 4:00 am 4.5" 45X
gone 4/4/95

X₂ 4/4/95 4:40 am 4.5" 45X
gone 4/6/95

X₃ 4/6/95 1:30 am 4.5" 45X

DATE 10/17/3 TIME 11:20 CST CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X
OBJECT 13 EGEXIA LOCATION RMCC HOME 47X + E.P.



OBVIOUS

10/19 - X1 GONE → MOVED TO X2

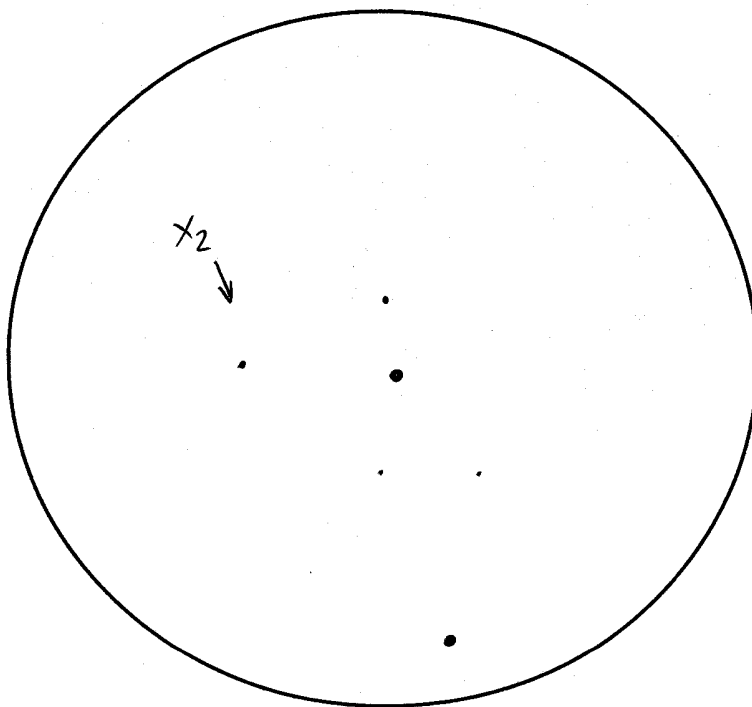
DATE 10/19/3 TIME 0:45 CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 13 E601A

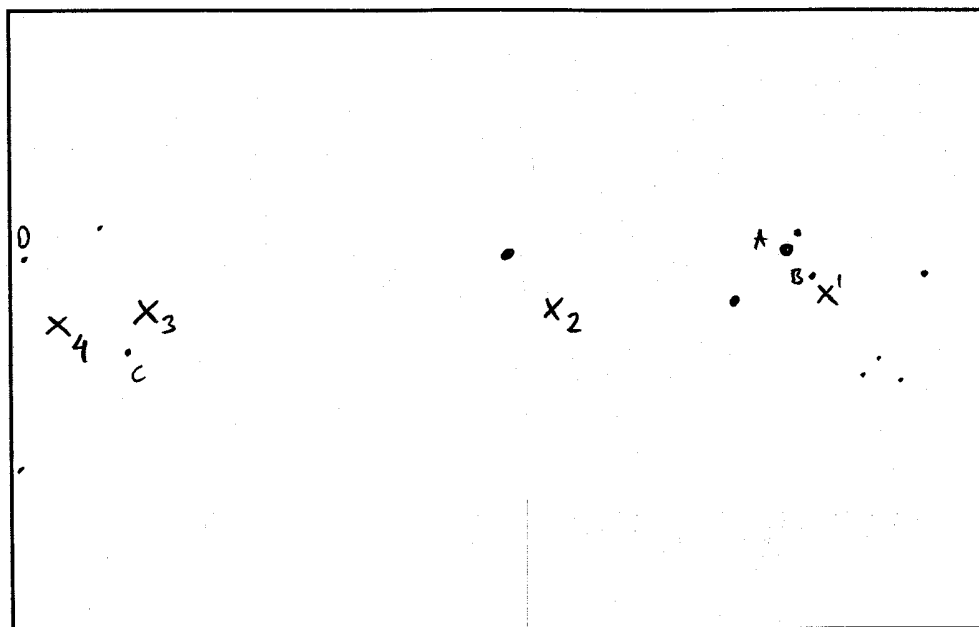
LOCATION RMCC HOME

47X NO E.P.



OBVIOUS FROM CHART - SEE LAST NIGHT

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V
 INSTRUMENT 4.5" ETX-125 10x50 EYE POWER 10X 45X ~~73X~~ 153X 475X
 OBJECT 15 EUNOMIA DESCRIPTION _____

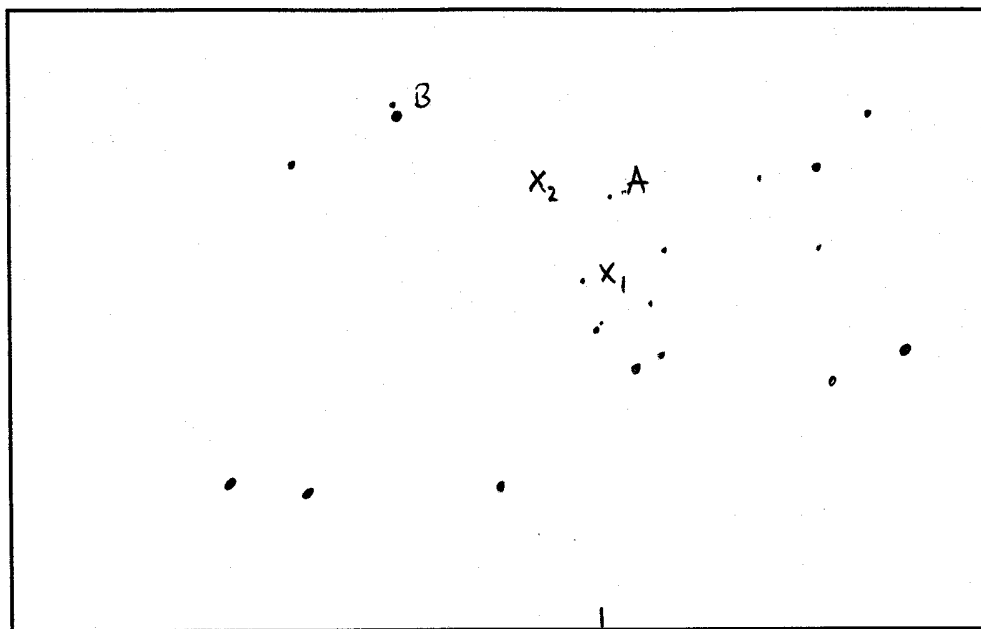


X ₁	3/8/96	4.5"	45X	Near line A-B-X gone 3/12/96
X ₂	3/12/96	4.5"	45X	blank field
X ₃	3/22/96	4.5"	45X	5 am
X ₄	3/23/96	4.5"	45X	6 am moved to other side of C-D line

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 16 PSYCHE DESCRIPTION _____



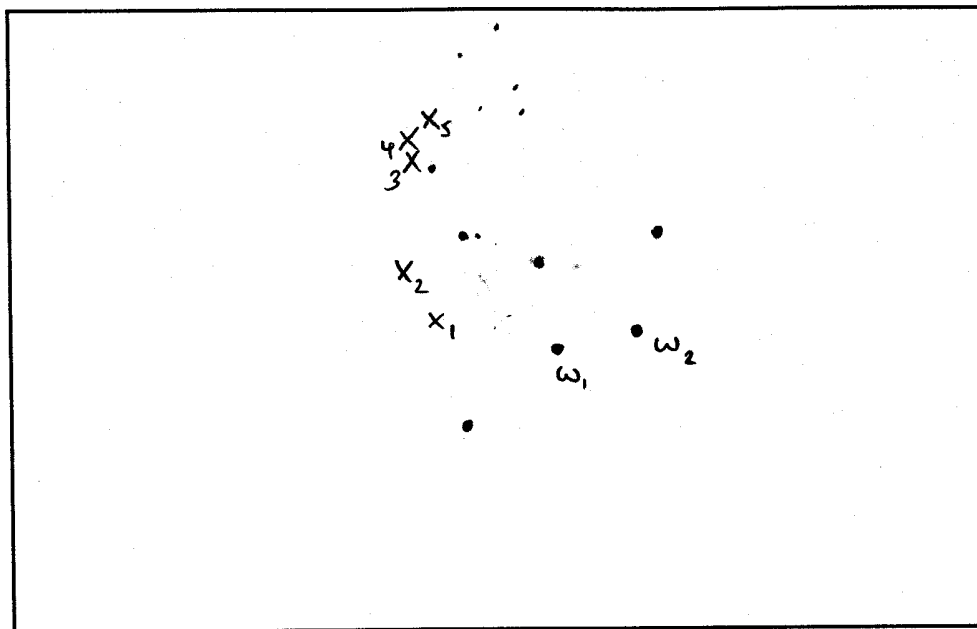
1 fld

X₁ 10/22/ 5 AM 4.5" 45X
95 pointed to by wide
dbl

X₂ 10/26/ 5 AM 4.5" 45X
95 nearly on line A to
wide dbl B

B is 8m dbl 30° E 104 TAU

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT 4.5" FINDER ETX-125 10x50 EYE POWER 5X ~~10X~~ ~~73X~~ 153X 475X
OBJECT 18 MELPOMENE DESCRIPTION _____



X₁ 10/2/95 5 AM 5X30 FINDER
OBVIOUS & BRIGHT IN FINDER

X₂ 10/5/95 5 AM

X₃ 10/20/95 6 AM STILL OBVIOUS NEAR 7m

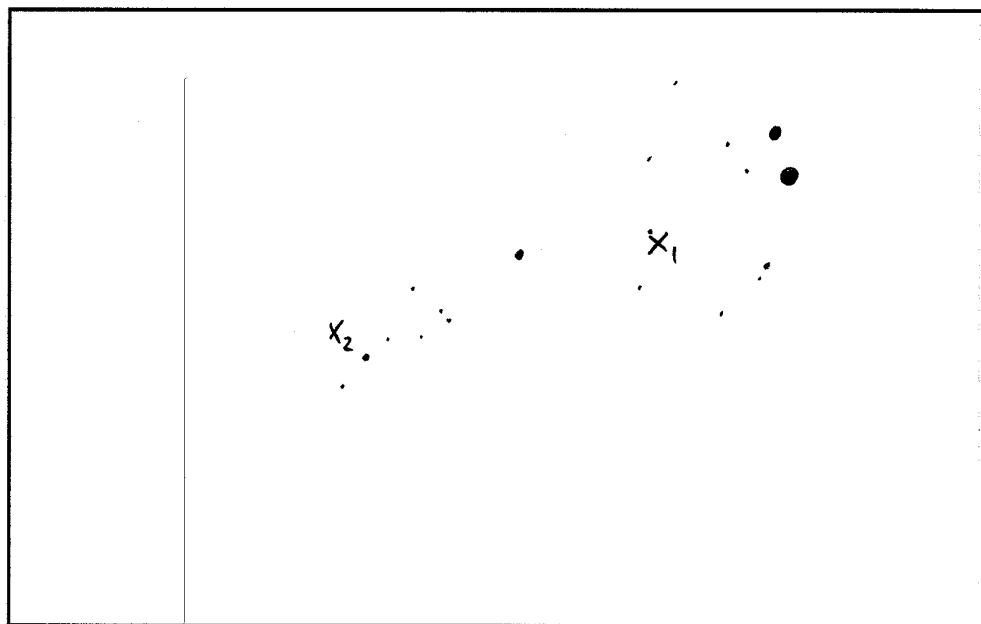
X₄ 10/22/95 6 AM

X₅ 10/26/95 6 AM MOVING TOWARDS Δ OF 8m's

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT 4.5" ~~ETX 125~~ 10x50 EYE POWER 10X 45X ~~73X~~ 153X 475X

OBJECT 19 FORTUNA DESCRIPTION _____



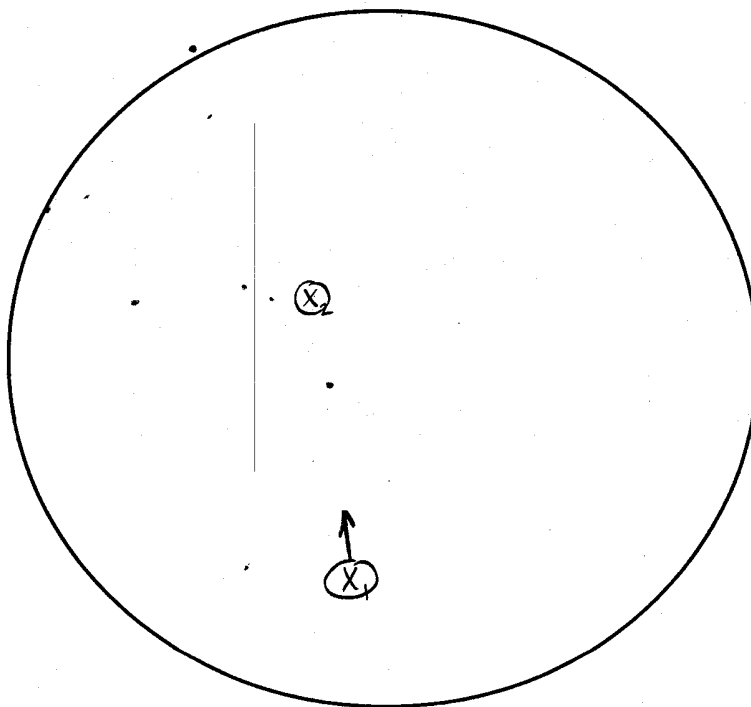
67
68 Gem

1 fld

X₁ 2/2/95 6AM 4.5" 45X Right next to
similar mag star

X₂ 2/4/95 3:40 AM 4.5" 45X
& gone from 2/2 position

DATE 10/17/3 TIME 11:40 CST CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X
OBJECT 29 AMPHITRITE LOCATION 4X+E.P. RMCC HOME



← 1/3 scale
to

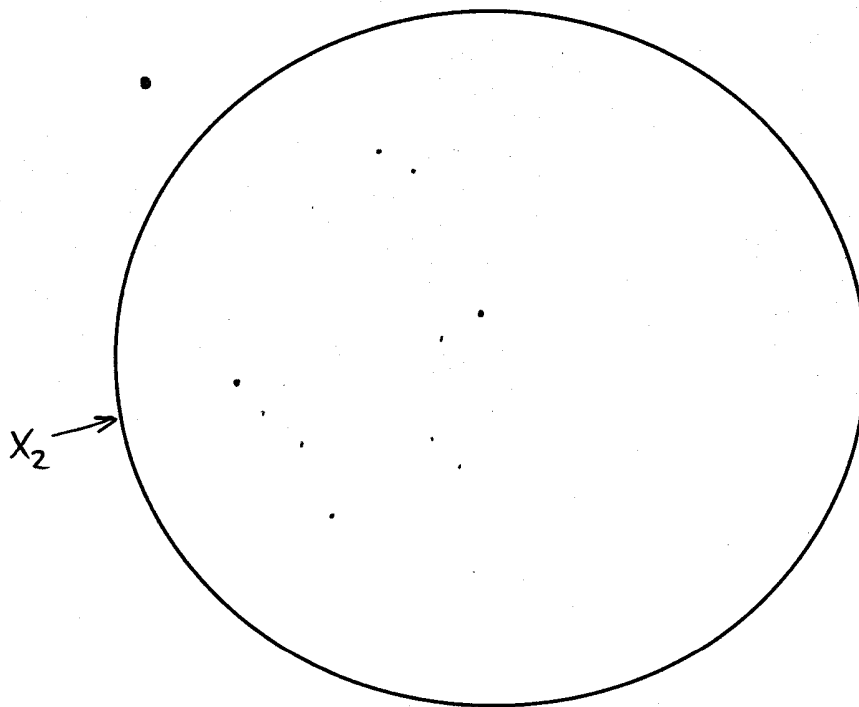
EASY, JUST START INTO

RETROGRADE LOOP

DATE 10/19/3 TIME 0155 CST CDT CLARITY I II III IV V SEEING II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 29 AMPHITUDE LOCATION RMCO HOME 47X NO E.P.

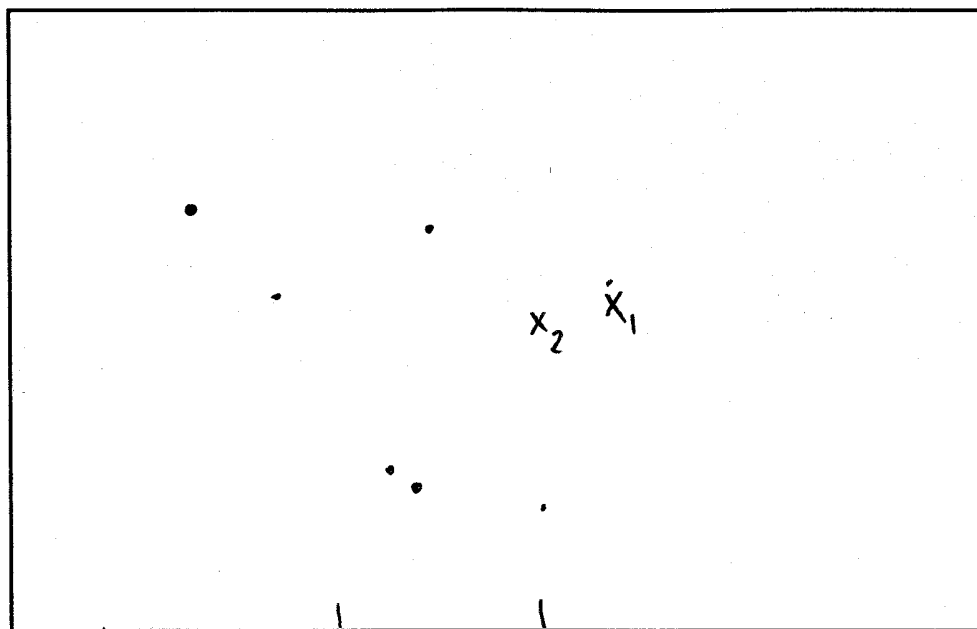


EASY - BRIGHTEST IN FIELD

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT 4.5" ~~ETX-125~~ 10x50 EYE POWER 10X 45X ~~73X~~ 153X 475X

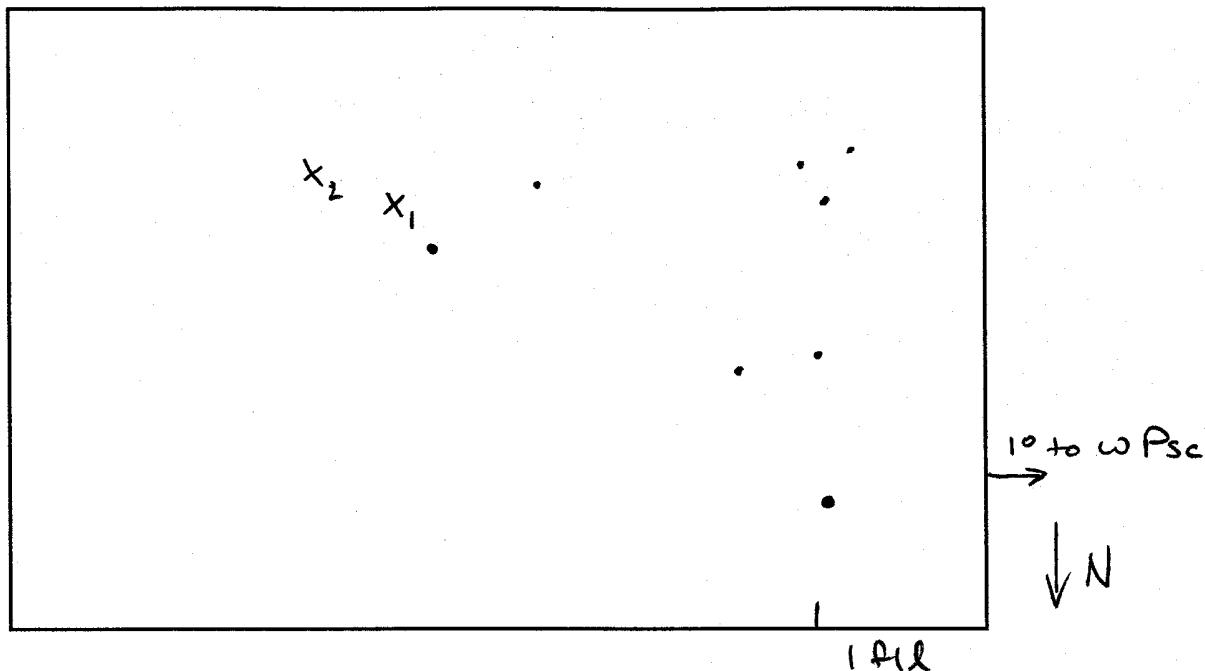
OBJECT 40 HARMONIA DESCRIPTION _____



x1 3/22/96 1 AM 4.5" 45X
near faint field star

x2 3/23/96 1 AM 4.5" 45X

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V
 INSTRUMENT 4.5" ~~EIA-125~~ 10x50 EYE POWER 10X 45X ~~75X~~ 153X 475X
 OBJECT 43 ARIADNE DESCRIPTION _____

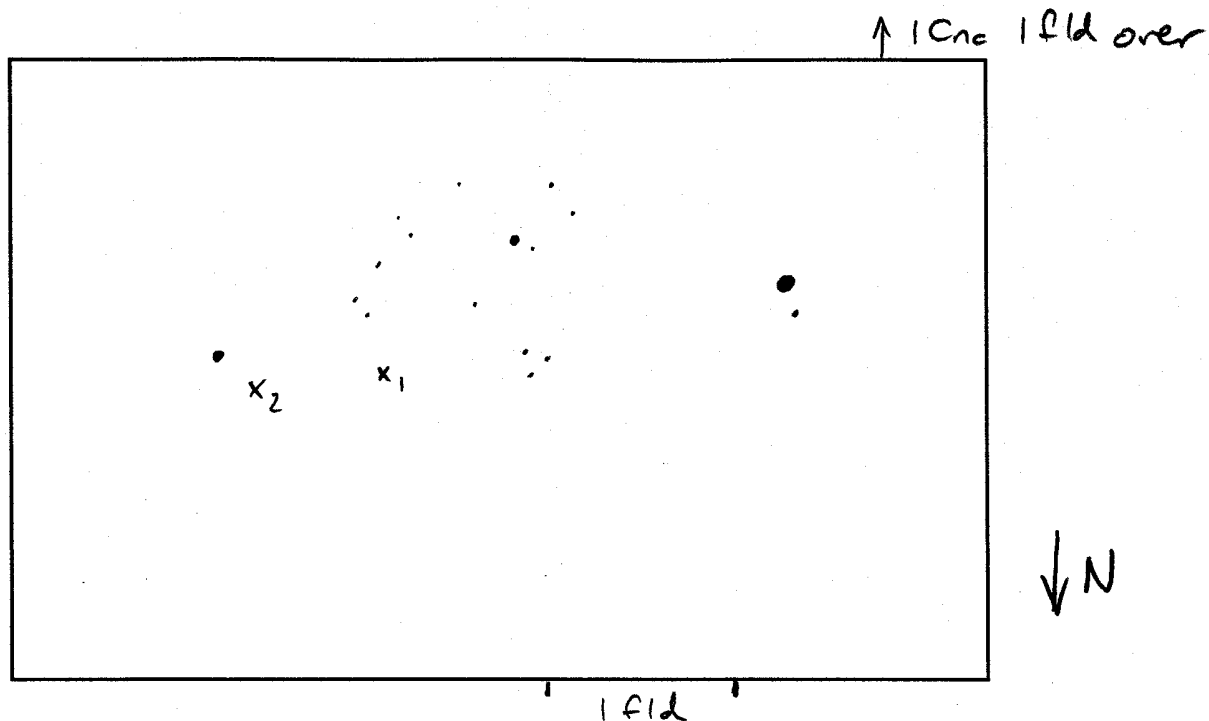


X₁ 10/2/95 4.5" 45X 6 AM
 easily found using
 S&T 9/95 p. 69
 chart
X₂ 10/5/95 4.5" 45X 6 AM
 moved to form
 ▽ with field stars

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

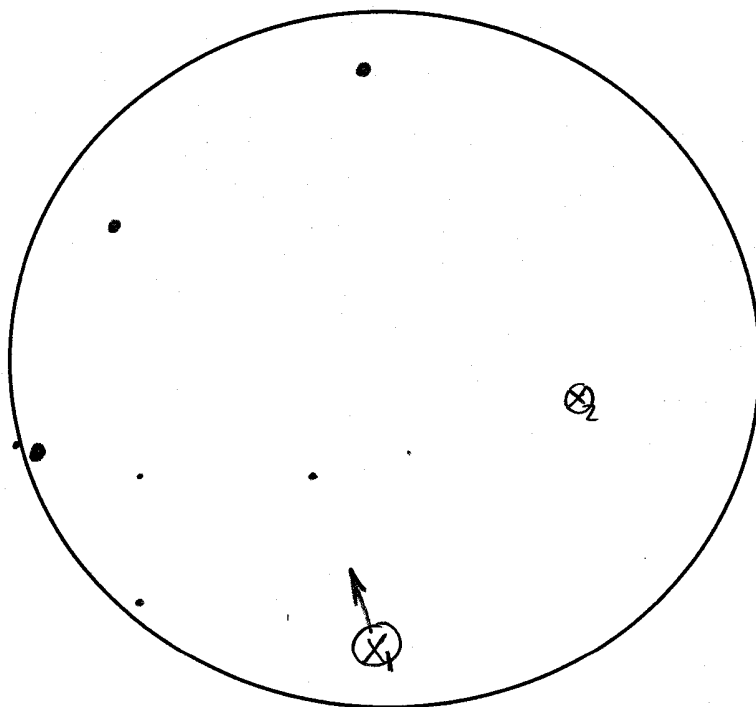
OBJECT 45 EUGENIA DESCRIPTION _____



X₁ 2/2/95 6AM 4.5" 45X

X₂ 2/4/95 6AM 4.5" 45X

DATE 10/17/3 TIME 11:30 CST CDT CLARITY I II III IV V SEEING III III IV V
INSTRUMENT ETX-128 10x50 EYE POWER 10X 73X 153X 475X
OBJECT 52 EMOPA LOCATION RMCC HOME 47X + E.P.



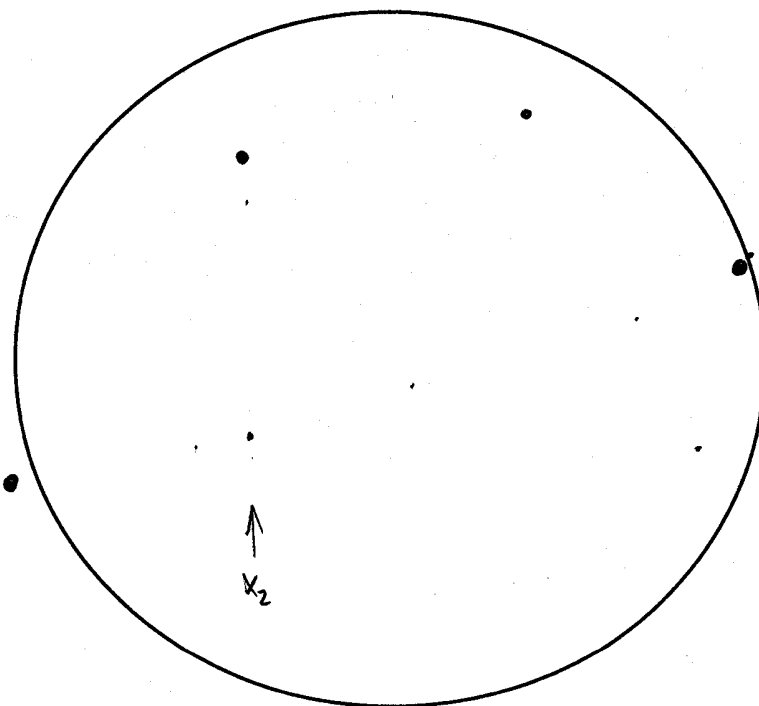
PART OF A QUAD NEAR 7m. X1 GONE 10/19

SEE 10/19 NEXT FOR X2

DATE 10/19/3 TIME 0135 CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 52 EMOPA LOCATION RMCC HOME 4X NO E.P.

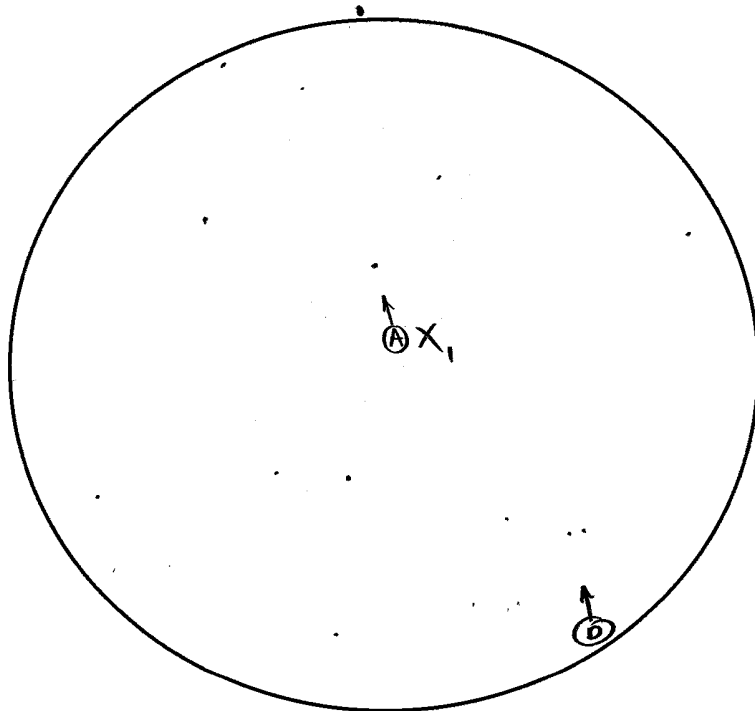


EASY FROM CHART

DATE 9/19/3 TIME 10:45 CST CDT CLARITY I II III IV V SEEING I II III IV V
5 5 4 3 2 1 0 10 8 6 4 2 0
 INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
 OBJECT 89 E 1.3 LOCATION RMCC HOME _____

w/lorr

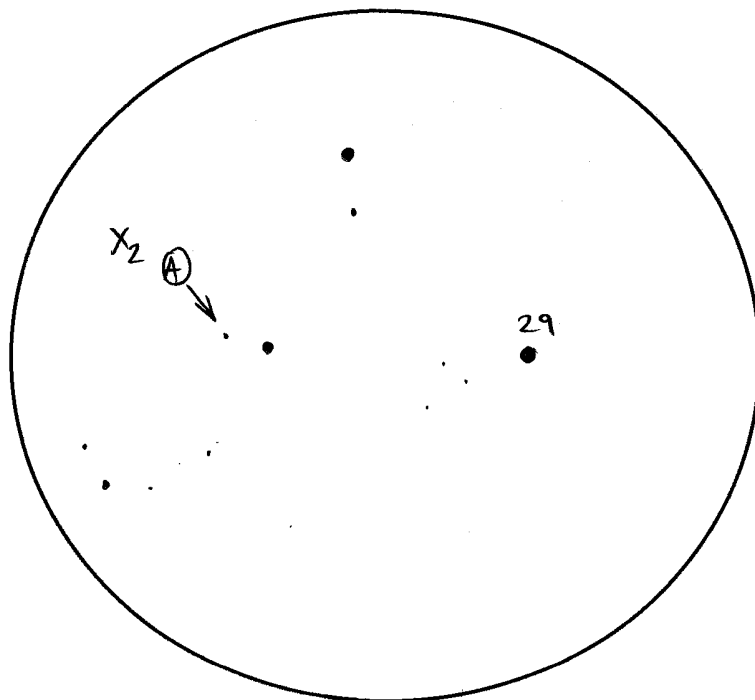
↑
 erecting
 prism



Obviously A wonderful 4 (4 is tonight's no.!)
 to S to guide way, and B = great little double
 9/27/3 All seen except A - Gone → see tonight's view
 near "little box"

DATE 9/27/3 TIME 10:15 CST CDT CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
OBJECT 59 E1 p13 LOCATION RMCC HOME _____

erect
prism

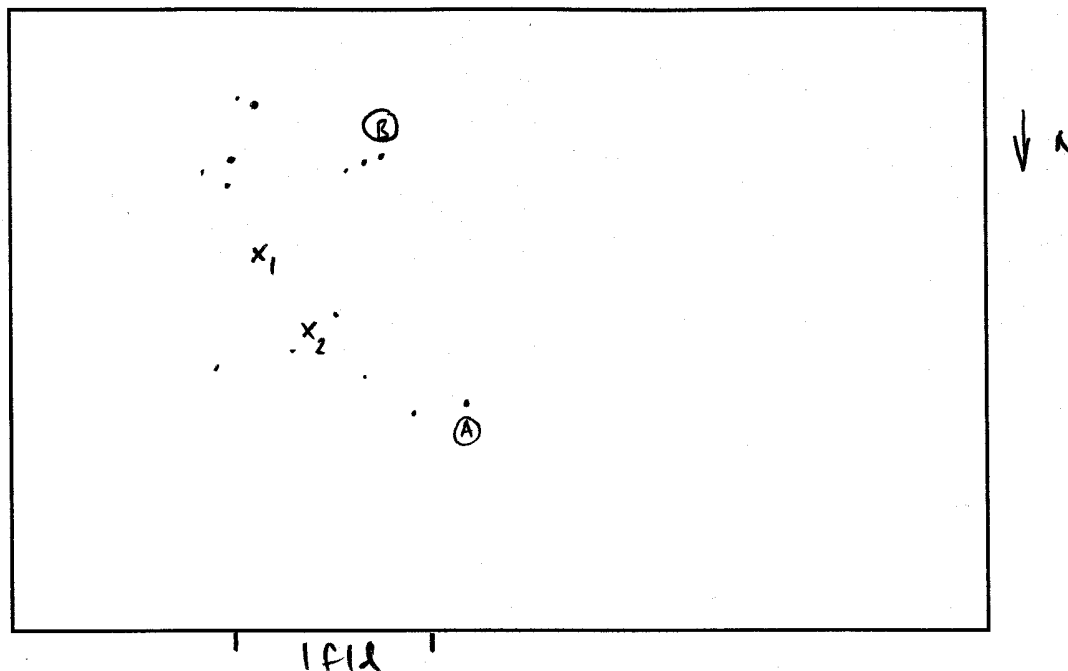


A obviously. 29 Pec is NE corner of "little box"

DATE _____ TIME _____ CST CDT CLARITY I (II) III IV V SEEING I (II) III IV V

INSTRUMENT ~~EPK-125~~ ^{4.5"} 10x50 EYE POWER 10X ~~73X~~ ^{45X} 153X 475X

OBJECT 60 ECHO DESCRIPTION _____



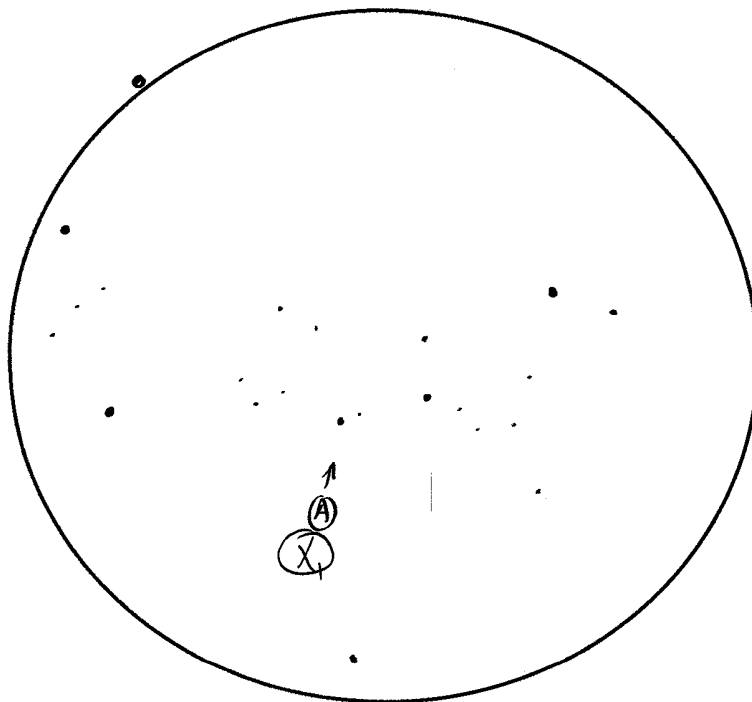
$x_1 = 1/8/96 \text{ am}$

$x_2 = 1/9/96 \text{ am}$

Field Area 2°-3° W of 8 Cnc

DATE 9/19/13 TIME 10:40 CST CDT CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT RTX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
OBJECT 63 Andromeda LOCATION RMCC HOME _____

w/corr
↑
erecting
prism

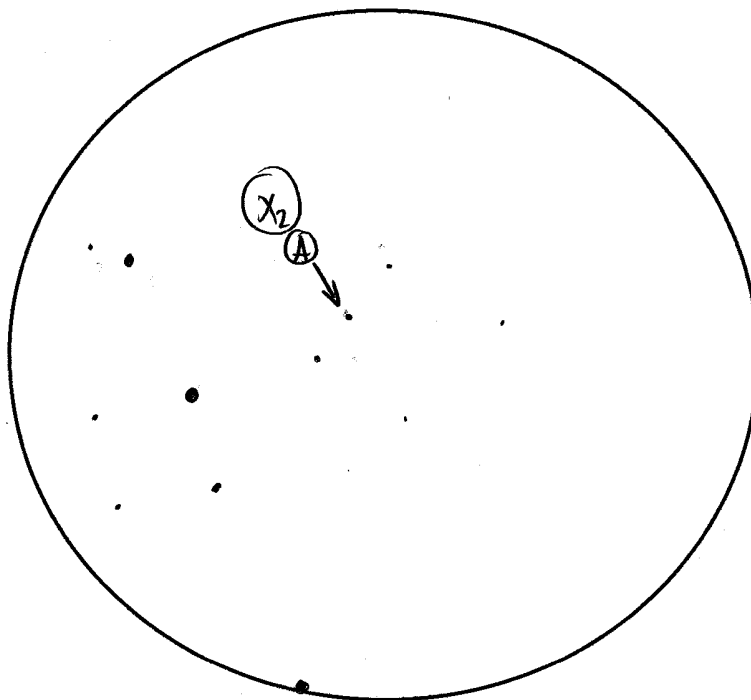


←————→
1 fl

Obviously (A)

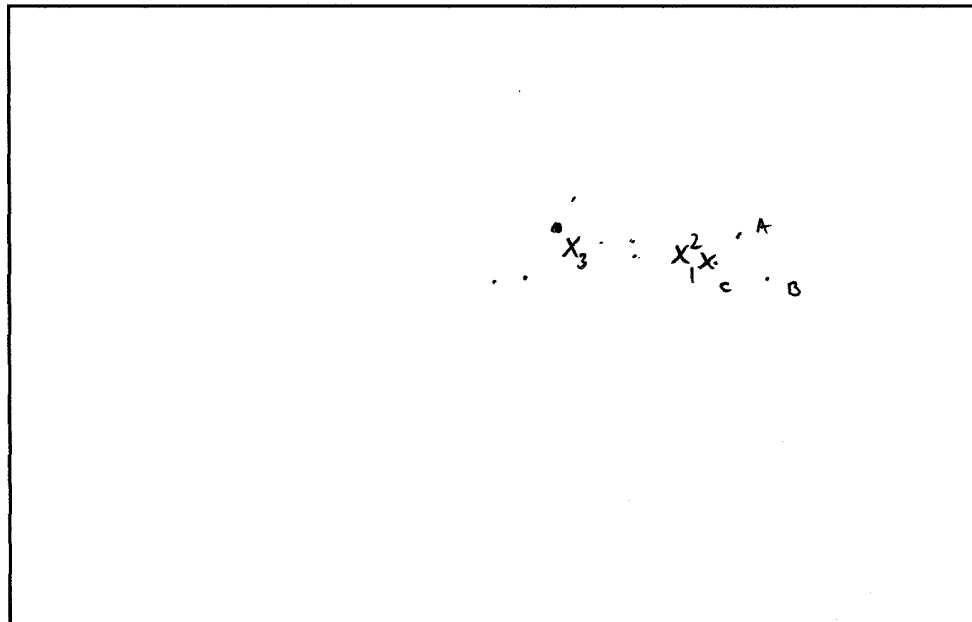
Done 9/27/13

DATE 9/27/3 TIME 10:29 CST DD CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
OBJECT 63 Andromeda LOCATION RMCC HOME _____



Obviously (A)

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X
OBJECT 85 10 DESCRIPTION RMCC



X₁ 7/22/03 11:15 CDT 125mm 73X ACTUALLY MADE
Δ WITH A23, H10 "C"

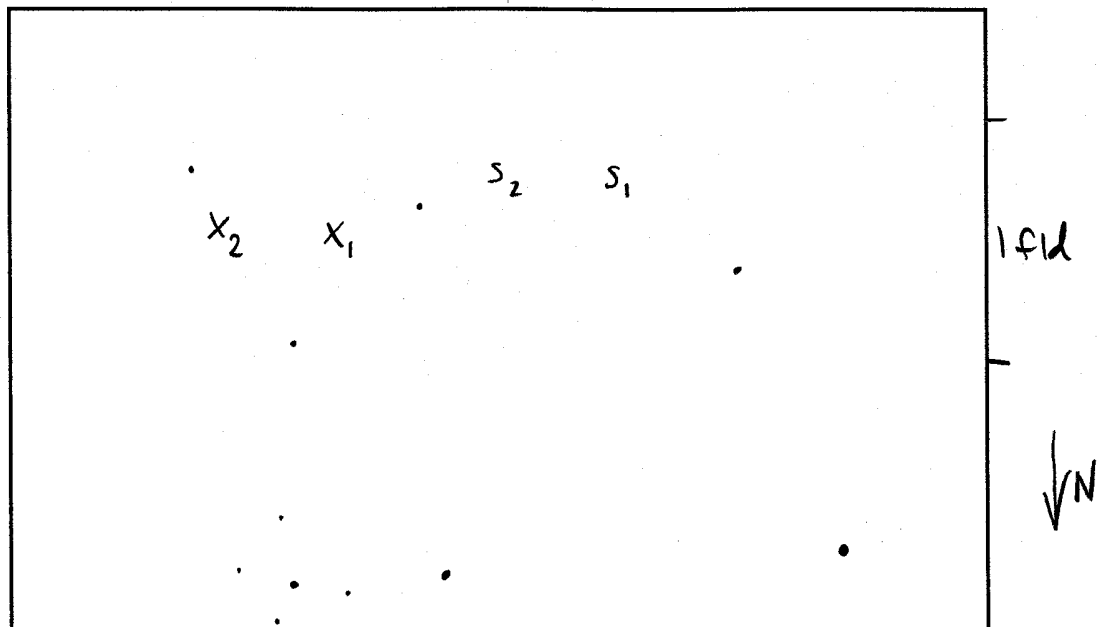
X₂ 7/23/03 3:05 CDT - "C" NOW UNCOVERED, BRIGHTER
10 HAS MOVED TO HERE

X₃ 7/24/03 1:45 CDT - NEARLY UP TO 9m FIELD OF VIEW
2 OBVIOUS

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 93 MINERVA DESCRIPTION _____



X₁ 10/2/95 6AM 4.5" 45X S₁ = SATURN

X₂ 10/5/95 6AM 4.5" 45X S₂ = SATURN

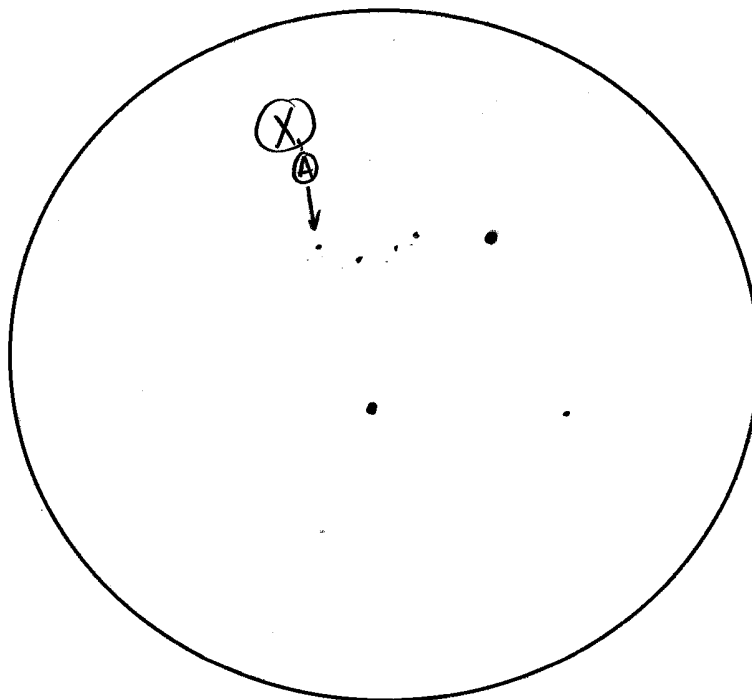
Very easy to identify

DATE 9/19/3 TIME 10:55 CST CD CLARITY I II III IV V SEEING I II III IV V
5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT ETX-125 10x50 EYE POWER 10 (47) 73 153 475X NEB FILTER w/none

OBJECT 194 Proline LOCATION RMCC HOME _____

↖ to 0844 Cet

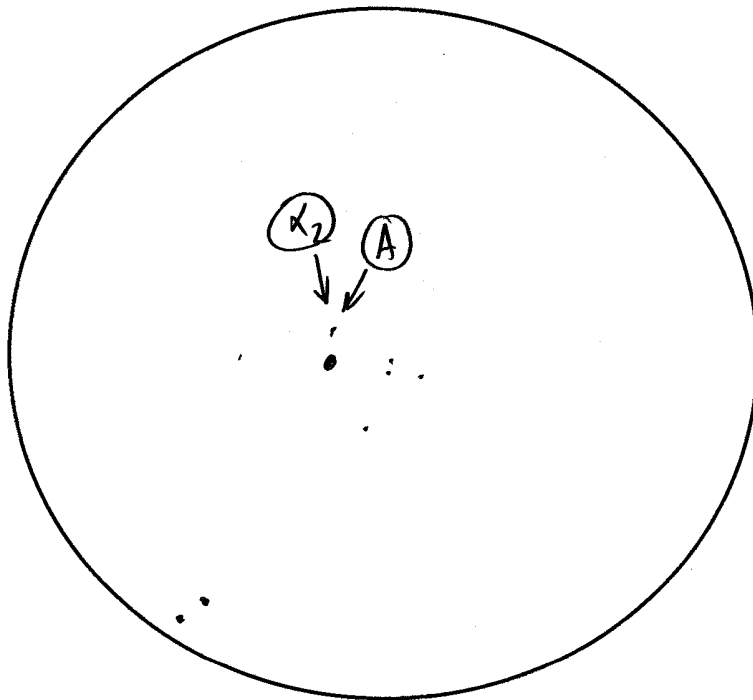
↑
erecting
prism



① - adds to a great asterism

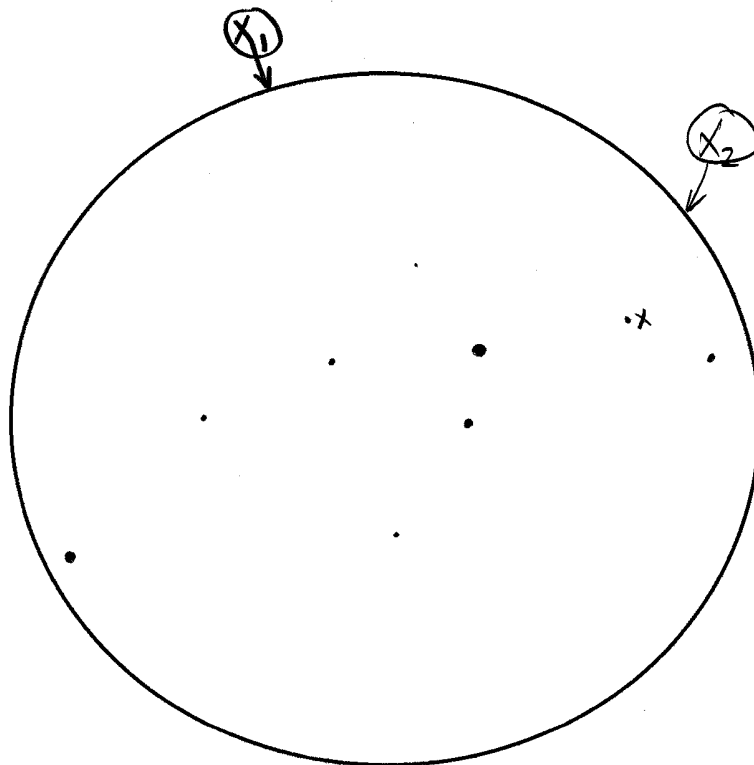
9/27/3 - Gone - all others seen easily.

DATE 9/27/2 TIME 11:25 CST CD CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
OBJECT 194 Proline LOCATION RMCC HOME _____



Sketch A

DATE 10/17/3 TIME 8:30 CST CDT CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 475X NEB FILTER
OBJECT 198 Angella LOCATION RMCC HOME _____
W/ erecting prism



Observed from chart

Gone 10/18/3 20:35 - now at

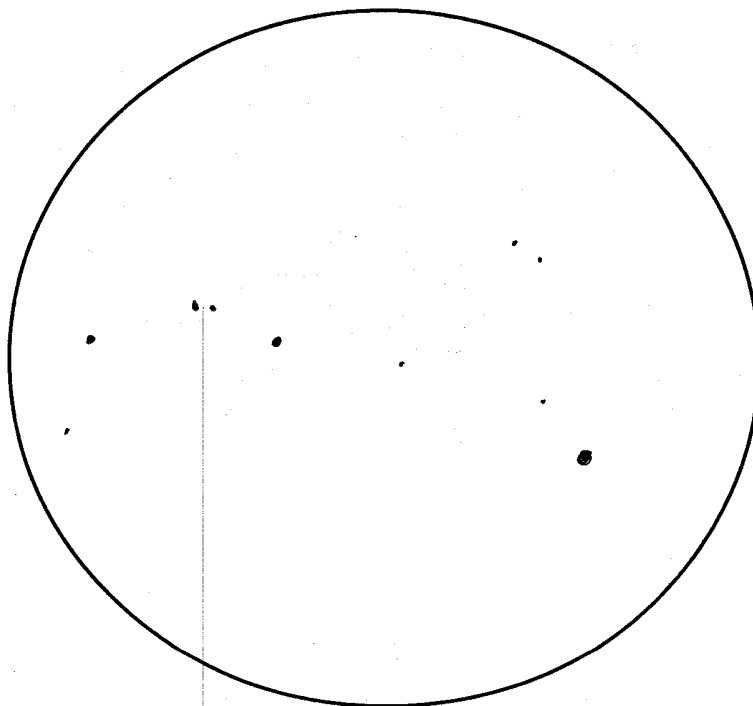
Must be @ X2 because this star was single

10/17/3 ! see next dwg.

DATE 10/19/3 TIME 20:42 CST CDT CLARITY I II III IV V SEEING I II III IV V

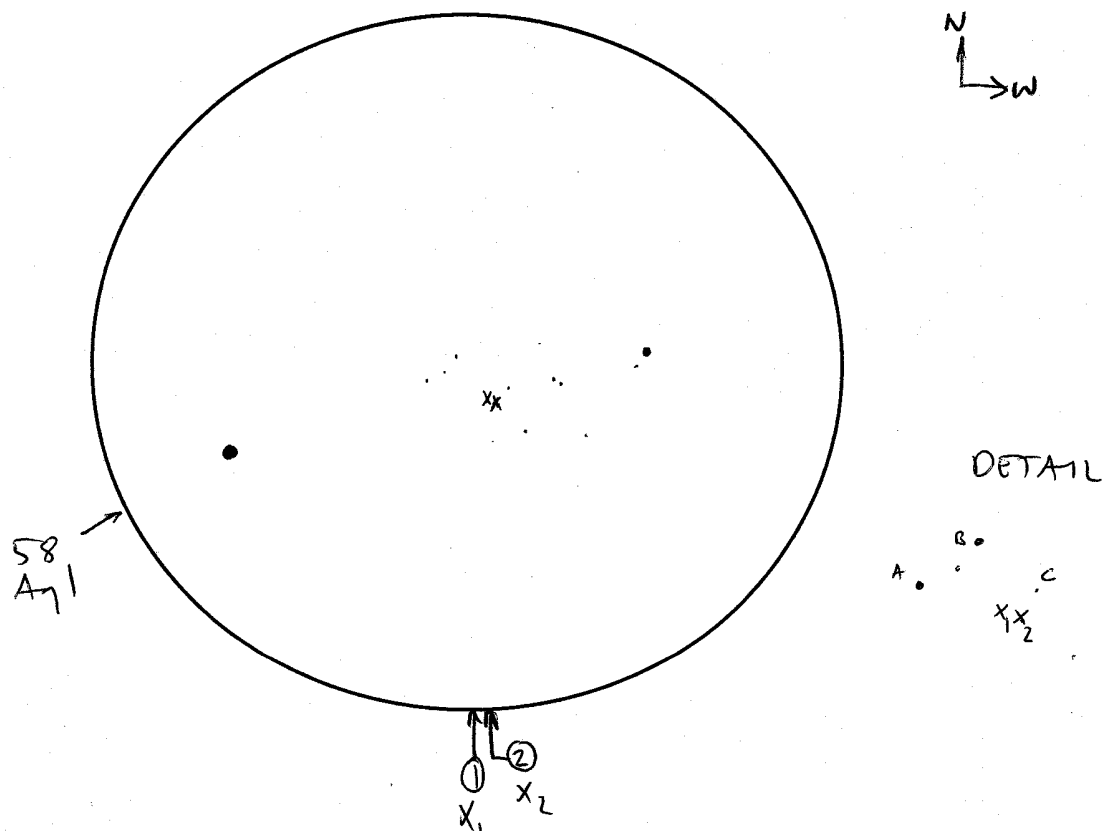
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 198 Ampella LOCATION RMCC HOME 47X + 8.9.



Tonight's field.

DATE 8/16/3 TIME ^{see} 21:16 CST (DT) CLARITY I (II) III IV V SEEING (II) III IV V
 INSTRUMENT ETX-125 10x50 EYE POWER 10X (13X) 153X 475X
 OBJECT 216 Kleopatra LOCATION (RMCC) HOME _____



Note: in w/ prism - so direct view like chart

First @ 10:20pm = $\triangle$ with A & B, near C

Second @ 11:40pm = $\triangle$, slightly longer, nearer to C

Even before checked dwg, could see it had gotten

closer to star as passing! $\langle NAB \rangle$

NOTE: D IS A WONDERFUL DOUBLE, AS SHOWN ~ 11.0 & 11.5 (based on

PA = 250"

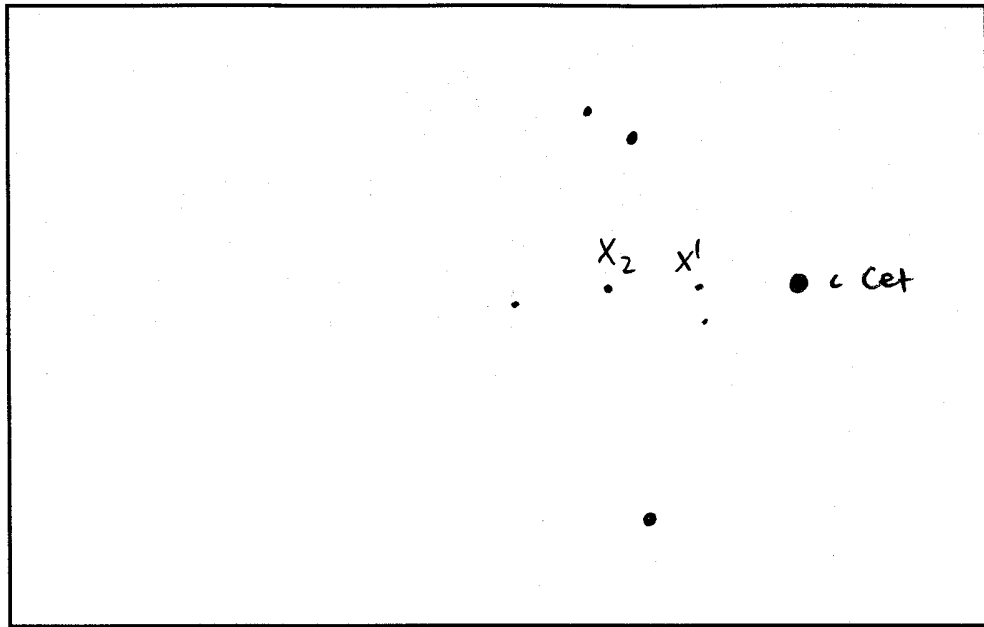
sep ~ 20"

Kleopatra

@ 11.0

(bright)

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING IV III IV V
 INSTRUMENT 4.5" ~~ETA-125~~ 10x50 EYE POWER 10X 45X ~~75X~~ 153X 475X
 OBJECT 386 SIEGENA DESCRIPTION _____



X₁ 10/2/95 4.5" 45X 6AM

easy E of C_{et}

X₂ 10/5/95 4.5" 45X 6AM

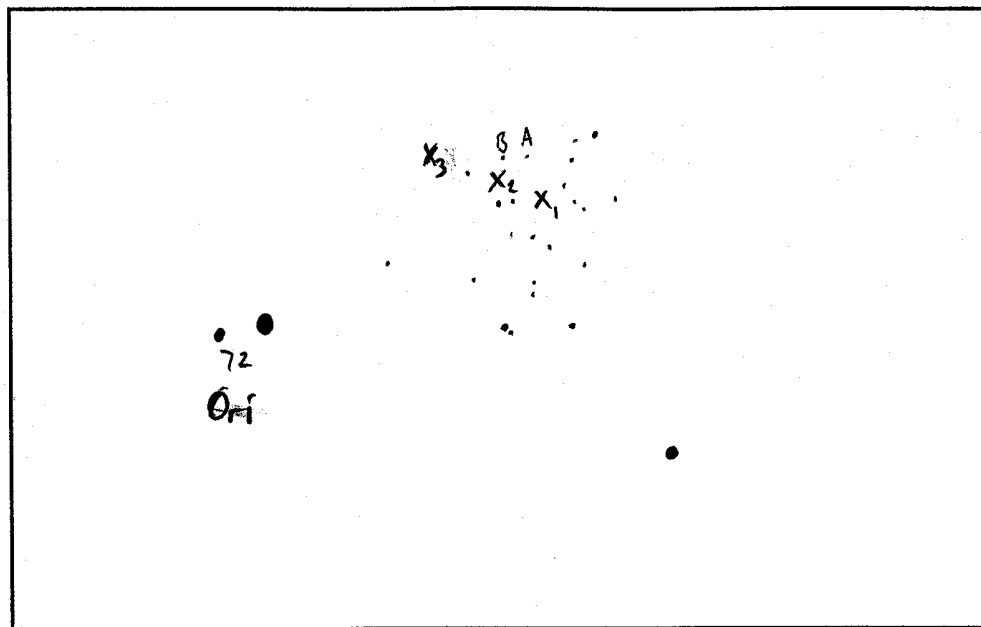
now near 7m

gone from X₁

DATE _____ TIME _____ CST CDT CLARITY I II III IV V SEEING I II III IV V

INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X

OBJECT 654 ZELINDA DESCRIPTION _____



1 f1d

X₁ 2/1/95 11:30pm 4.5" 45X

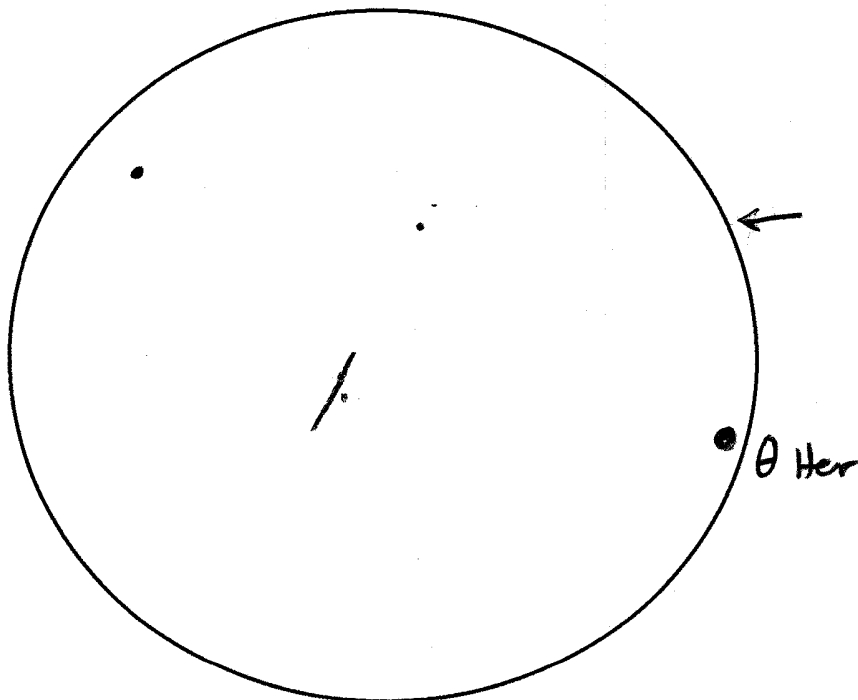
X₂ 2/2/95 10:30pm 4.5" 45X X₁ gone

X₃ 2/4/95 12:45am 4.5" 45X

Past line formed by A&B

@ HOME

DATE 8/17/2 TIME 11:45 CST (CDT) CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X
OBJECT ASTEROID 2002 NY40 LOCATION FLYBY OF θ Her



SEEN As PASSING A 10m (also 10-10.5 mag), obvious
motion, both with look-away & with direct
vision !! 11:42mb. Then let Harriet
look (but not too close due to darkness) Then
think saw it where arrived, coming
getting hard to see due to darkness of field

See next page, tried 11:30 pass of 2.6 mags,
didn't get it

DATE 1/21/4 TIME 10:20 CSD CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 316 475
OBJECT Hydra FILTER NO NB WB OIII ____
OBS. PROGRAM _____ LOCATION RMCC HOME _____

NOTE
1

(X) →

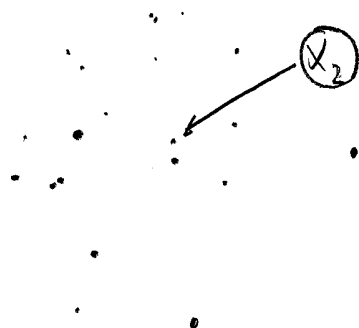
W
N

NOTE 1 - SEEN AS DBL ON 1/21/4 - still dbl 1/22/4

1/22/4 single star (dimmer one) is left,

asteroid is gone! 8:55pm 47x

DATE 1/28/4 TIME 9:10 (CST) CDT CLARITY I II III IV V SEEING I II III IV V
6 5 4 3 2 1 0 10 8 6 4 2 0
INSTRUMENT (ETX-125) 10x50 EYE POWER 10 (47) 73 153 475X NEB FILTER
OBJECT 10 Hygeia LOCATION RMCC (HOME)



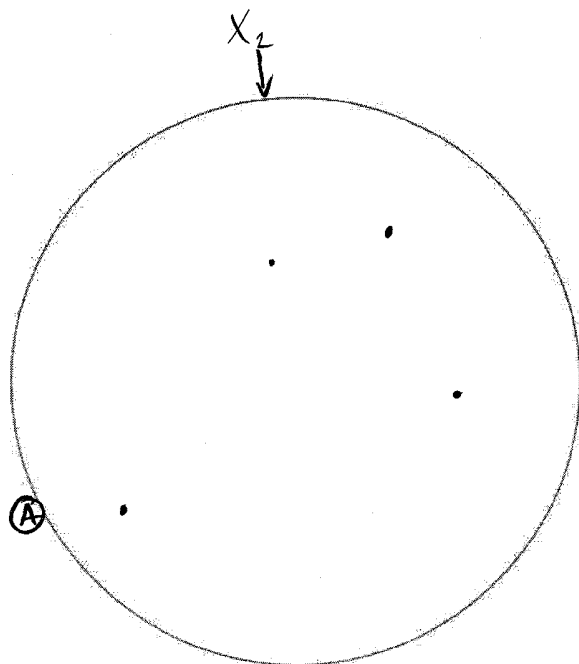
Observed from chart!

(NAB) 1/28/4



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 8 FURA	Position: RA:
Observer: B. Young	Dec:
Location: HOME	Apparent Visual Magnitude: ~9
Date: 12/25/04 Time: 3:40 UT	Comparison Star Sequence: SEE NOTE
Instrument: ETX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment: 47X 13d D
	Ref (Atlas/Catalogue):



X1 OBSERVATION

Ⓐ .

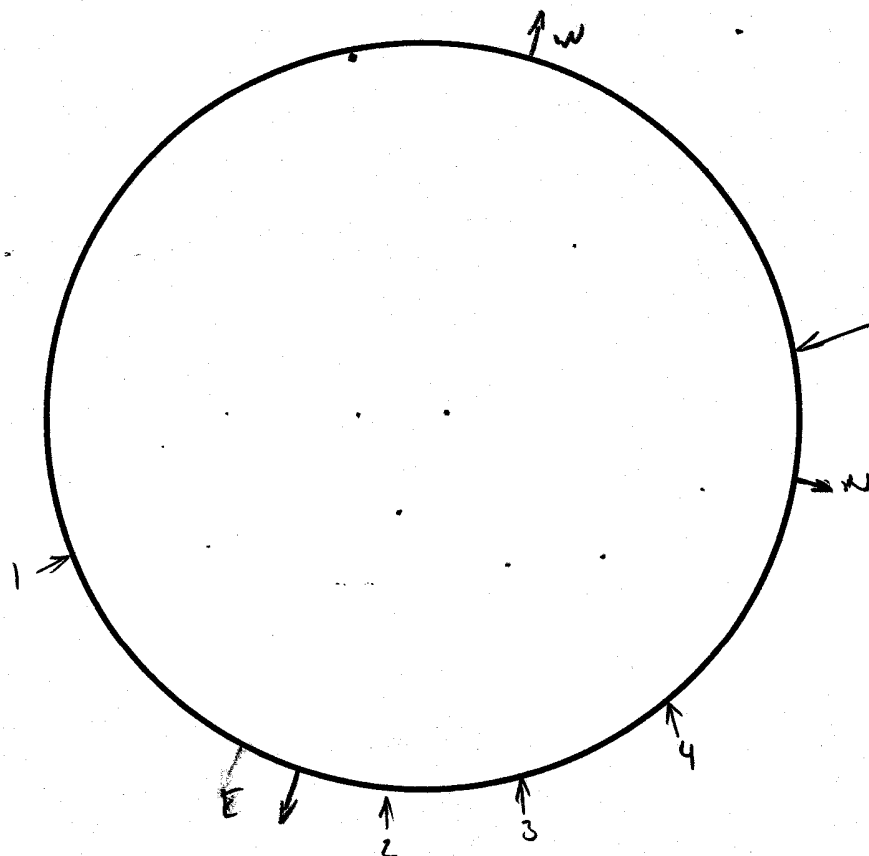
1. X1

2. 3. 4.

Observational Notes:

EASILY FOUND "MESSING UP" Δ Asterism
NOTED LAST OBS. & OBVIOUSLY MISSING FROM
X1. ALSO SEE ATTACHED X1 OBS & CHART

DATE 12/20/4 TIME 9:48 ⁸²³ CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT ETX-125 10x50 EYE POWER 10 47 73 153 316 475
OBJECT FRONT FILTER NO NB WB OIII ____
OBS. PROGRAM AST LOCATION RMCC HOME ____

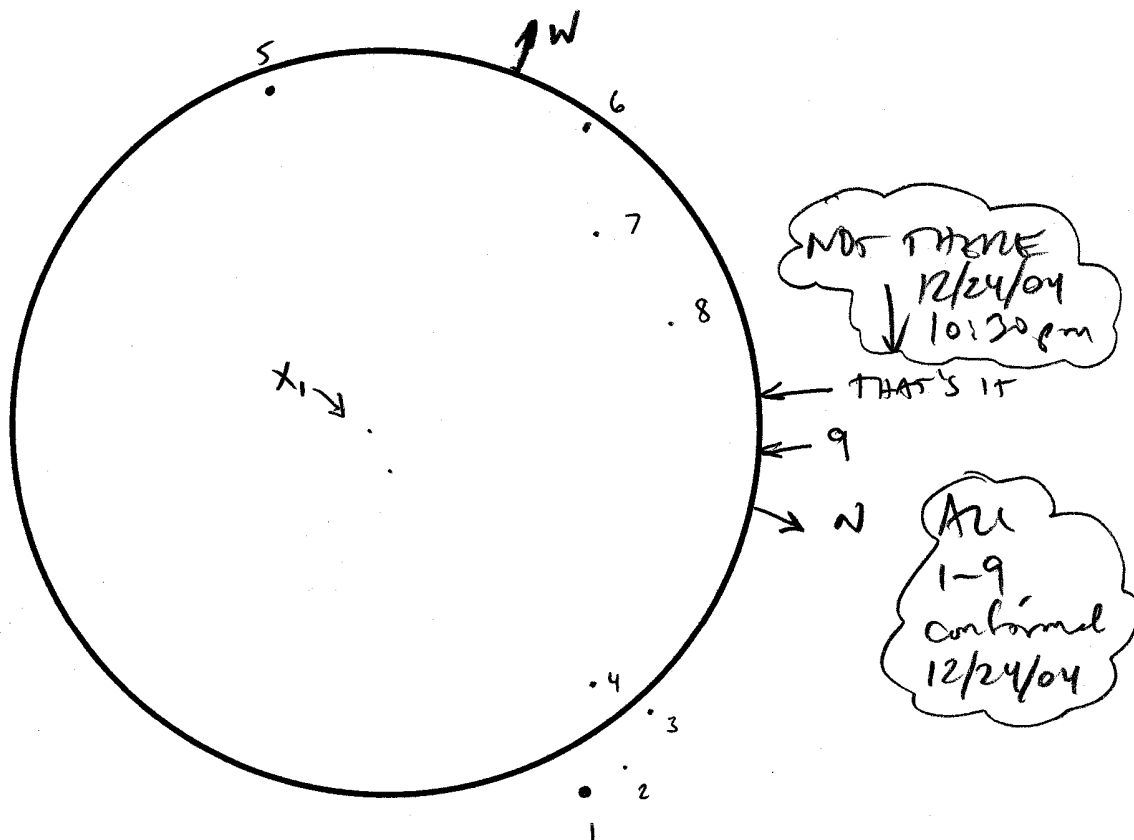


THAT'S IT
YES!
12/24 10:21 pm
15 GALT

FRONT - SEE H-A CHART ATTACHED - A

SPOT - ON MATCH. 9 mag & easy

822
DATE 12/20/04 TIME 10:30 CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT RTX-125 10x50 EYE POWER 10 47 73 153 316 475
OBJECT Hercules FILTER NO NB WB OIII
OBS. PROGRAM ASS LOCATION RMCC HOME



Hercules - Band on - see HA chart

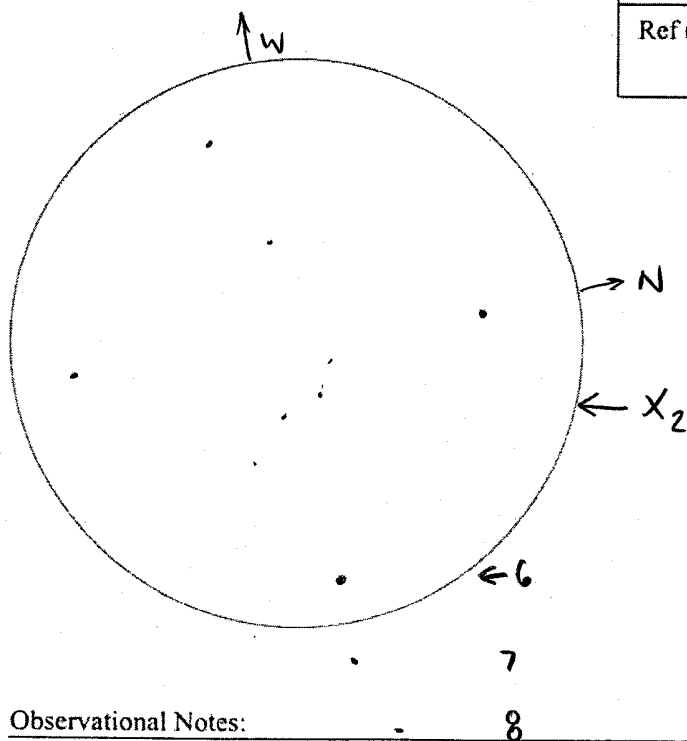
attached. 10.2m - slightly > than

(9)



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: ⁵³² HERCULINA	Position: RA:
Observer: B. YOUNG	Dec:
Location: HOME	Apparent Visual Magnitude: ~9.5
Date: 12/25/04 Time: 3:50 UT	Comparison Star Sequence: SEE NOTE
Instrument: ETX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment: 47x 13d D
	Ref (Atlas/Catalogue):



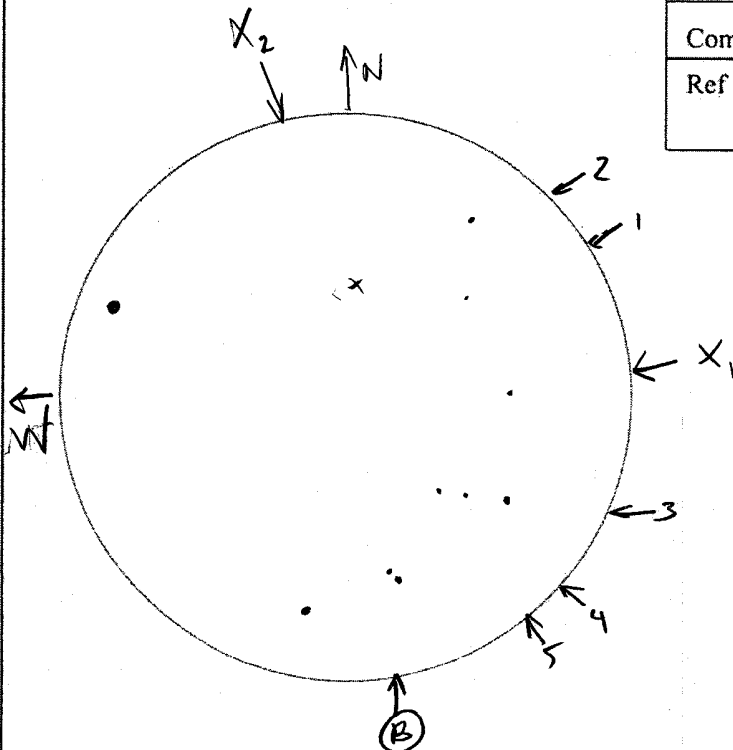
Observational Notes:

STARS 5-8 FROM X_1 OBSERVATION (SEE
ATTACHED) OBVIOUS MOVE FROM X_1
 X_2 EASILY DERIVED FROM ATTACHED CHART



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>354 ELEANORA</u>	Position: RA:
Observer: <u>B. YOUNG</u>	Dec:
Location: <u>HOME</u>	Apparent Visual Magnitude: <u>~10</u>
Date: <u>12/25/04</u> Time: <u>4:20</u> UT	Comparison Star Sequence:
Instrument: <u>ETX-125</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment: <u>47X</u>
	Ref (Atlas/Catalogue):



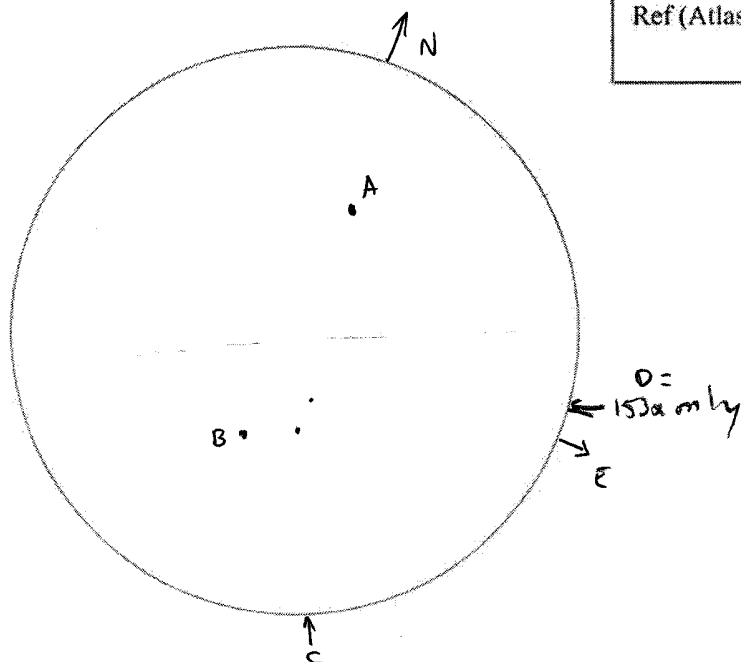
12/26 4:33 UT
ALL SEEN
X₁ GONE
NOW @ X₂
OBVIOUSLY IT!
X₂ = RIGHT Δ
WITH 1 & 2

Observational Notes: SEE ATTACHED CHART - OBVIOUSLY
IT BUT GET X₂ TO CONFIRM
IS (B) A LISTED DOUBLE?



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 69 Hesperia	Position: RA:
Observer: B Young	Dec:
Location: Home	Apparent Visual Magnitude:
Date: 3/3/05 Time: 4:15 UT	Comparison Star Sequence:
Instrument: ETX 125 47x	Star 1. A
	Star 2. B
	Star 3. D
	Class
	Comment:
	Ref (Atlas/Catalogue):



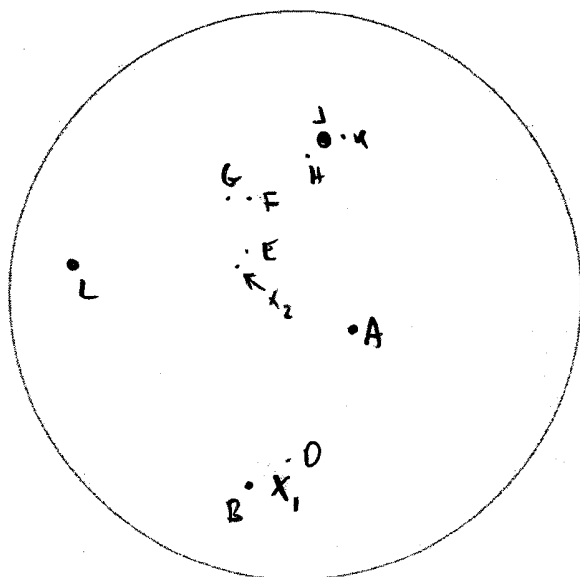
Observational Notes:

D IN 153x TO CONFIRM AV AT 47x



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 69 Hesperia	Position: RA:
Observer: B Yang	Dec:
Location: RMCC	Apparent Visual Magnitude:
Date: 3/5/05 Time: 4:00 UT	Comparison Star Sequence:
Instrument: ETX 125 4X	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: EASILY NOTICED IN AN AZIMUTH

Belisana occults HIP 8306
Date: 3/8/2005
UTC: 2:14:22
Location: 1612 S Cincinnati Pl.
Tulsa OK 74119

178
Belisana

Asteroid
Occultation!

Timings:

Uncorrected

Correction:

-0.19 WWV

Timing Point from tape (02h+)	Elapsed time to event from tape (sec)	Event begins from tape (02:14+)	Corrected Event begins (02:14+)
13:35.0	48.50	23.50	23.31
14:07.0	16.32	23.32	23.13
14:08.0	15.66	23.66	23.47
13:38.0	45.69	23.69	23.50
		23.54	23.35
	+/-	0.09	

Duration

Timing Point from tape (02:14+)	Elapsed time of event from tape (sec)	Event ends from tape (02:14+)	Corrected Event ends (02:14+)
23.50	0.81	24.31	24.12
23.32	0.78	24.10	23.91
23.66	0.69	24.35	24.16
23.69	0.94	24.63	24.44
23.54	0.81	24.35	24.16
+/-	0.03		

Reported: 02:14:23.35 +/- 0.09 s occultation begins
02:14:24.16 +/- 0.09 s ends
0.81 +/- 0.03 s duration

YAHOO! MAIL

Print - Close Window

Date: Tue, 08 Mar 2005 00:45:55 -0500
To: "Brad Young" <allenb_young@yahoo.com>
From: "David Dunham" <dunham@starpower.net>
Subject: (178) Belisana occultation timed from Tulsa, OK
CC: IOTAoccultations@egroups.com, cvafresno@aol.com, KNSTARS@aol.com, PoisonOkie@aol.com, Icecoldkitty2005@aol.com

Brad,

Many thanks for your observation! It indicates a probable small southward shift of the path; hope some others also observed it so we might get an estimate of the size and shape of Belisana.

Rather than attach your file, I just note that your visual timings were: D, 2:14:23.35 UT; R, 2:14:24.16 UT, both +/-0.09s. The UT is close to the predicted time. Your location from Mapsonus is lat. 36.139 N., long. 95.984 W., and I guess that your height above sea level was about 300m. If someone else timed the occultation, we may want to refine the coordinates.

David

At 07:37 PM 3/7/2005 -0800, you wrote:

>David,

>

>Success! from Tulsa, saw 178 Belisana occult 7 mag star HIP 8306. Very
>easily seen in clear sky, wonderful sight. Timings manual using tape
>recorder, details on attached Excel file. Other information:

>

>Location: 1612 S Cincinnati Avenue, Tulsa OK 74119 (100 yards west of
>home). Used Meade ETX-125, 40mm eyepiece (47x). Clarity was 1-,
steadiness

>3- (windy) but I had no trouble seeing star disappear completely for
less

>than a second.

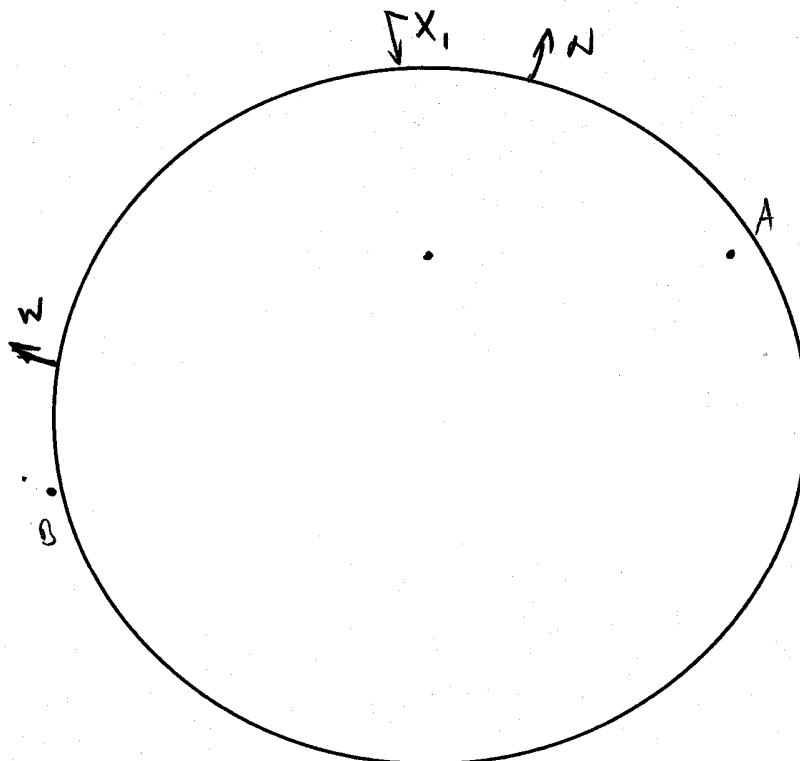
DATE 5/16/05 TIME 11:35 CST CDT CLARITY I II III IV V SEEING I II III IV V

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

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

OBJECT 14 Irene FILTER NO NB WB OIII

OBS. PROGRAM Ass LOCATION RMCC HOME



with 14 centered, A is inside, B outside Arch

See attached check list of R12 stars

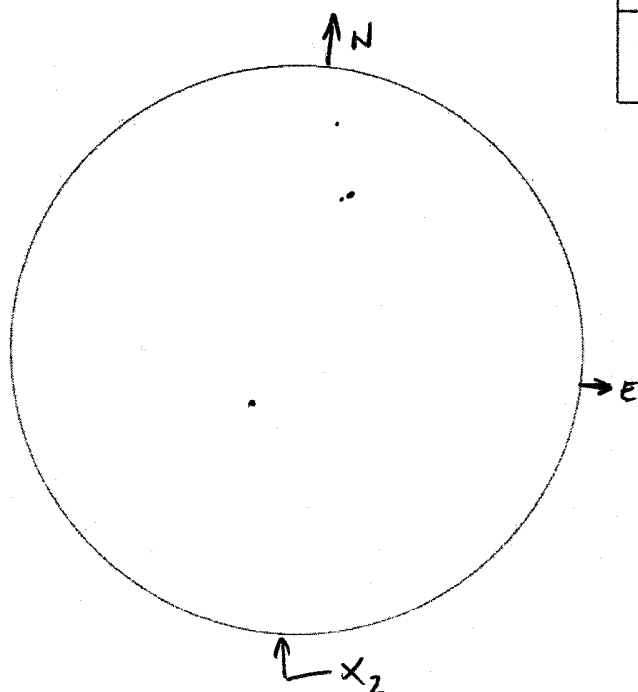
Confirmed GONE 5/28/05 12:30 AM - see

field sheet attached



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 14 Irene	Position: RA:
Observer: BY	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 5/28/5 Time: 5:20 UT	Comparison Star Sequence:
Instrument: ETX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:

Alone (almost) in field here with 9.5-10.5
double (47x)

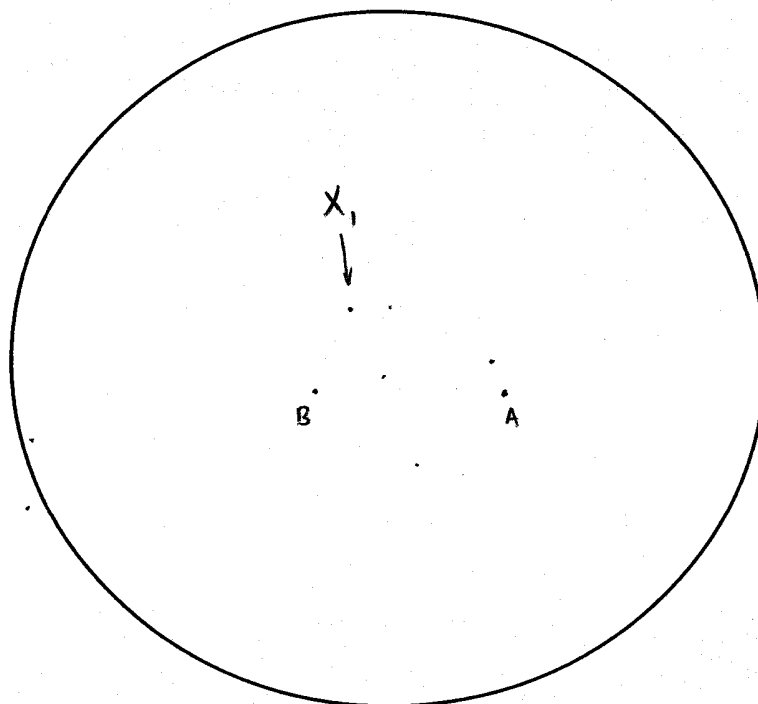
DATE 5/28/5 TIME 12:15 CST CDT CLARITY I II III IV V SEEING I II III IV V

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

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

OBJECT 129 Antsgone FILTER NO NB WB OIII

OBS. PROGRAM Ast LOCATION RMCC HOME



Easily selected w/ HA char