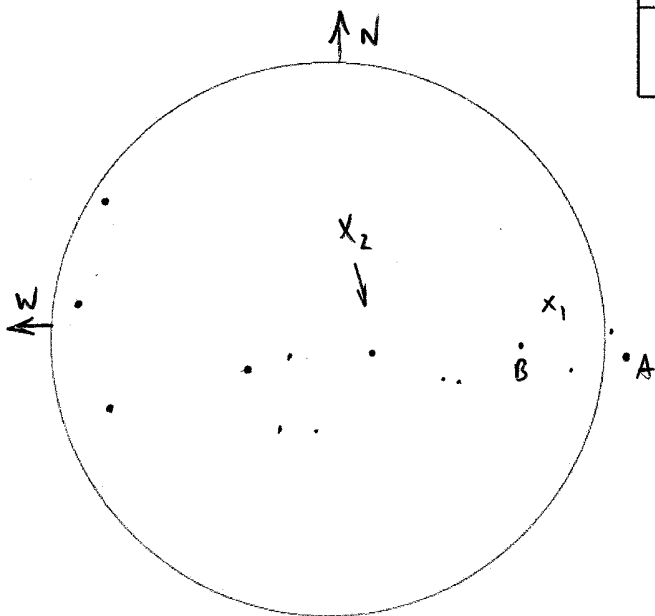




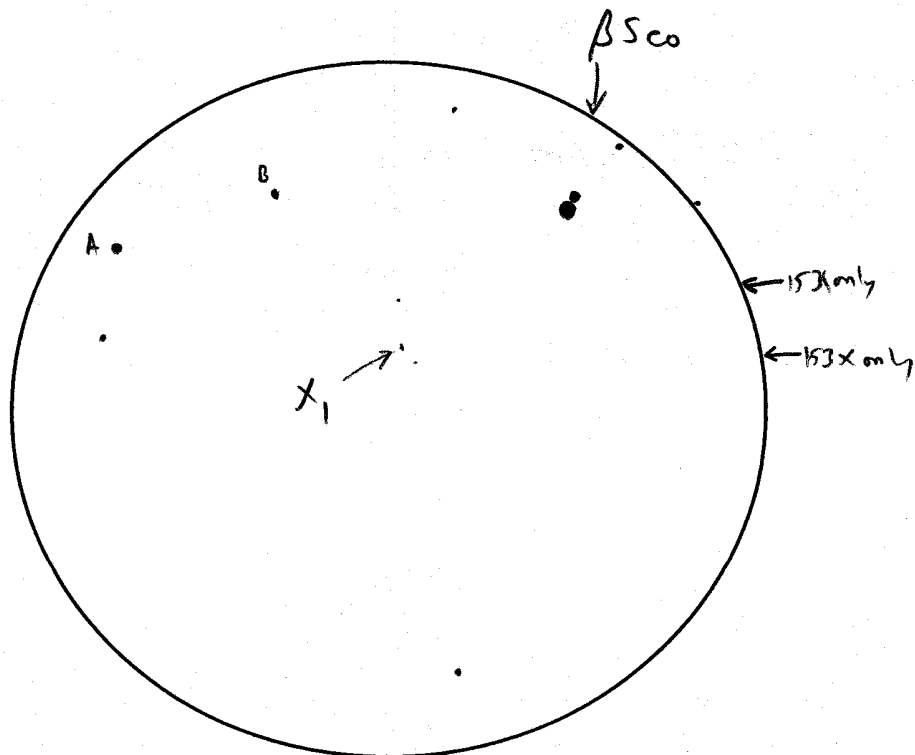
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 129 Antigone	Position: RA:
Observer: BY	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 5/30/5 Time: 4:50 UT	Comparison Star Sequence:
Instrument: ETX-125 47X	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: See attached X₁ observation

DATE 5/28/5 TIME 1:18 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 ^{some} 316 475 20 30 64 80 133 200
OBJECT 409 Aspasia FILTER NO NB WB OIII ____
OBS. PROGRAM A32 LOCATION RMCC HOME ____

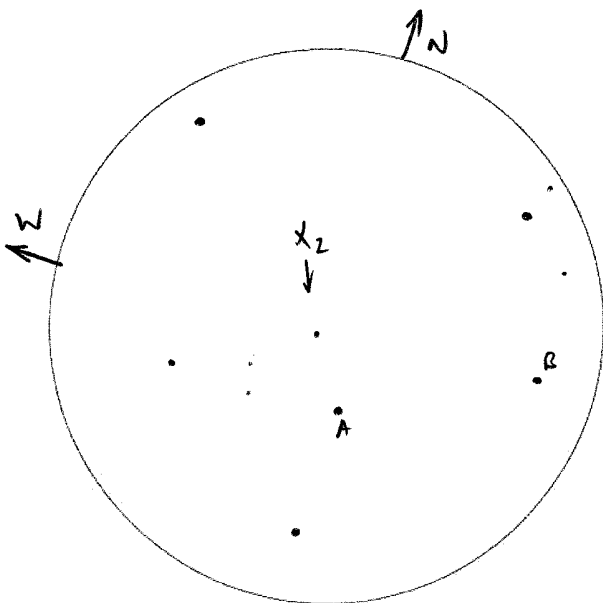


Plan as day @ 73x 153x add 11m's



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>409 Aspasia</u>	Position: RA: _____
Observer: <u>BY</u>	Dec: _____
Location: <u>HOME</u>	Apparent Visual Magnitude: _____
Date: <u>5/30/5</u> Time: <u>5:30</u> UT	Comparison Star Sequence: _____
Instrument: <u>ETX 125</u> <u>73x</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____



x_1

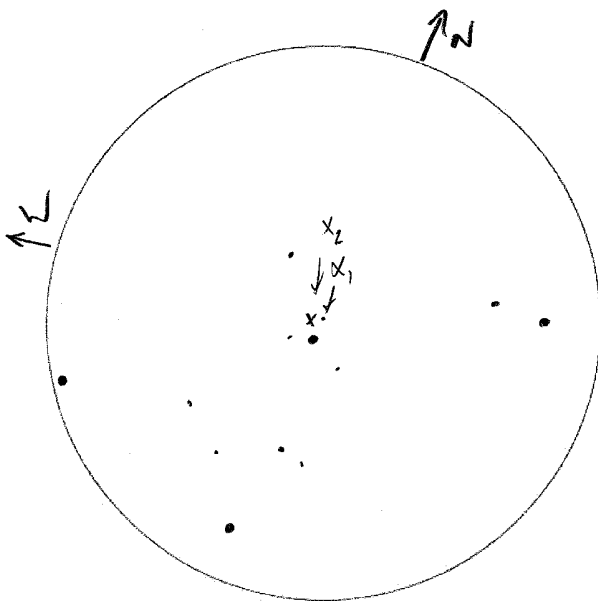
Observational Notes: WHAT A PERFECT PLACE TO HAVE IT - @

β Sco! EASY - 73x helps bring it out



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>70 Parophaea</u>	Position: RA:
Observer: <u>BY</u>	Dec:
Location: <u>RMCE</u>	Apparent Visual Magnitude:
Date: <u>6/2/5</u> Time: <u>9:05</u> UT	Comparison Star Sequence:
Instrument: <u>ETX 125 190X</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



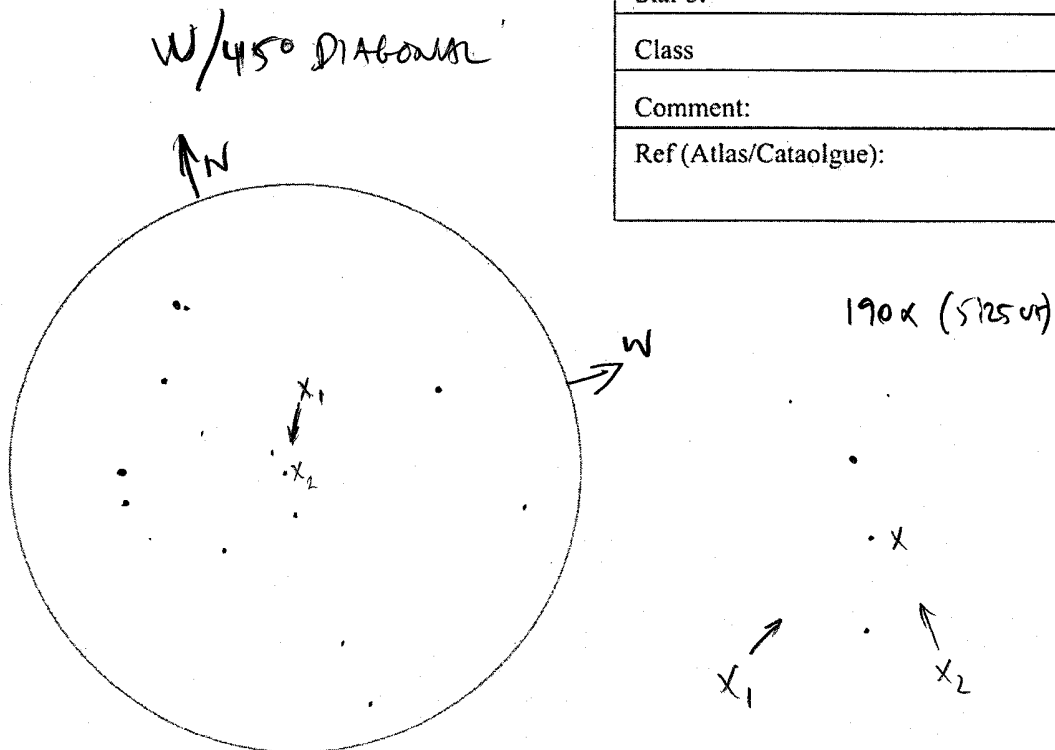
Observational Notes: Star in middle of field = A on chart

Easily noted change in PA relative to others
after 155 of movement.



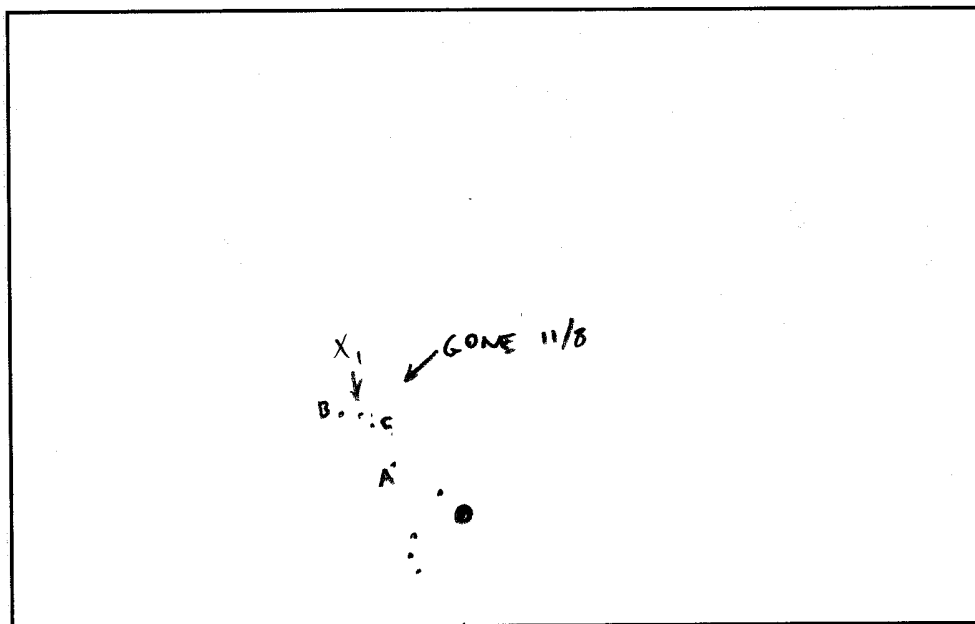
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 704 Interamnia	Position: RA:
Observer: BY	Dec:
Location: RMCE	Apparent Visual Magnitude:
Date: 6/2/85 Time: 5:25 UT	Comparison Star Sequence:
Instrument: ETX 125 47x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: Noted change in almost straight line w/ other 11 mags

DATE 11/6/05 TIME 1:00 CST CDT CLARITY 11/6 II III IV V SEEING I II 11/6 III IV V
 INSTRUMENT ETX-125 10x50 EYE POWER 10X 73X 153X 475X
 OBJECT 3 Jvno 11/6 DESCRIPTION Asteroid Prob



X₁ = 11/6/05 7:00 UT 10X50 RMCE C-I - S=III
EASILY PICKED UP IN ORN

Constellation: Orion
Magnitude: 7.9
Distance from Earth: 1.1458 AU
Light time: 572 seconds

Discovery

Discovery date: 02-Sep-1804
Discoverer: K. Harding
Place of discovery: Lilienthal

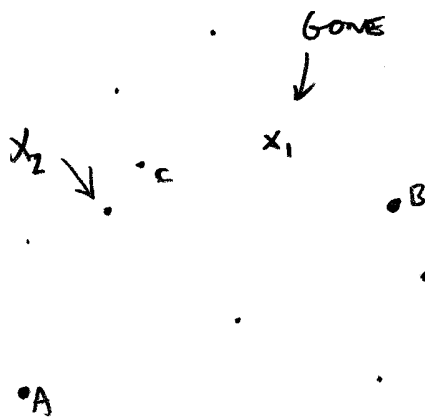
Osculating Orbital Elements

Semi-major axis: 2.6682 AU
Eccentricity: 0.2584
Inclination to ecliptic: 12.971°
Period: 4.36 years
Longitude of ascending node: 170.125°
Argument of perihelion: 247.839°
True anomaly: 6.197°

Developed and maintained by Chris Peat, Heavens-Above GmbH
Please read the updated FAQ before sending e-mail.

Hosted
by  DLR/GSOC

BTX-125 40mm 11/7/5 11230pm
OR
home



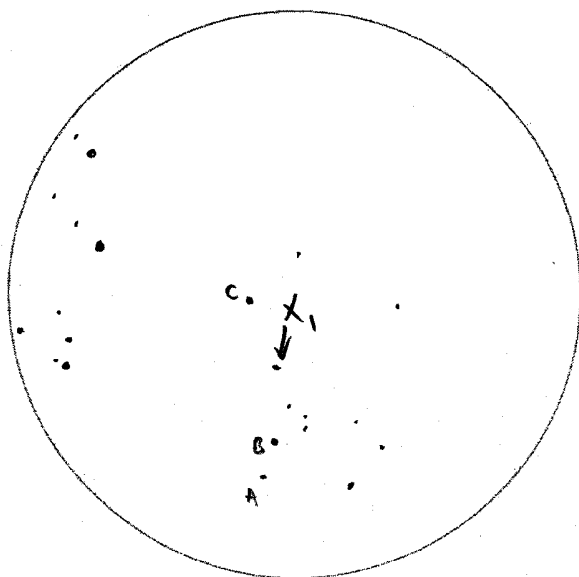
1411





Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>57 Mnemosyne</u>	Position: RA: _____
Observer: <u>B York</u>	Dec: _____
Location: <u>CMCC</u>	Apparent Visual Magnitude: _____
Date: <u>11/6/5</u> Time: <u>3:10</u> UT	Comparison Star Sequence: _____
Instrument: <u>XT-12" DOB</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____



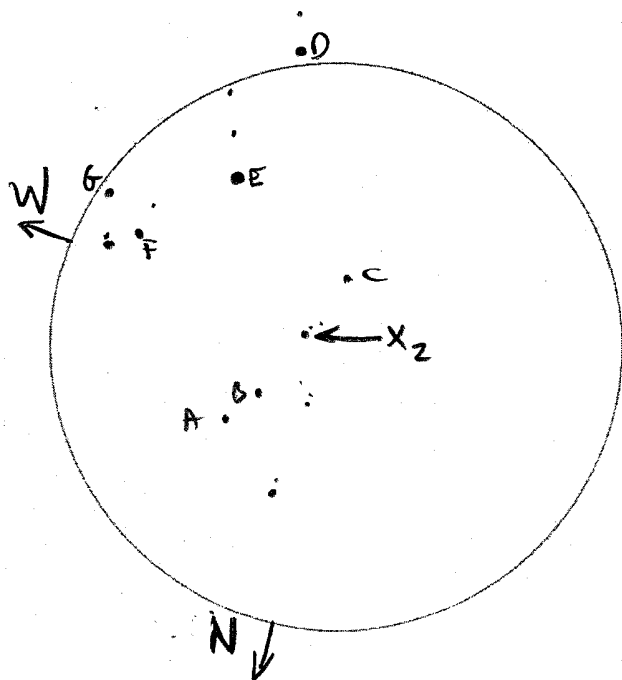
Observational Notes: EASILY PICKED OUT FROM CHART

NOTE PAST LINE AB BUT E OF BC

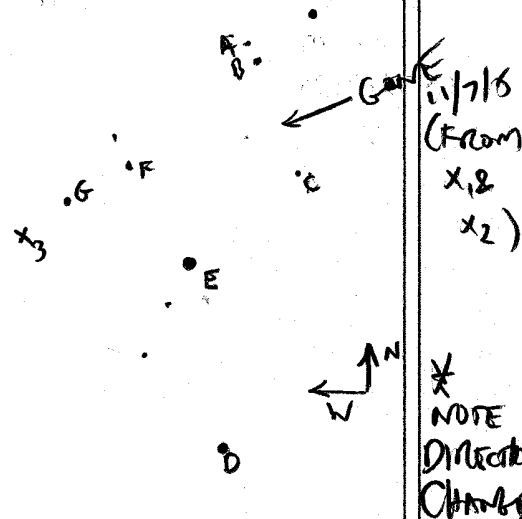


Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 57 Mnemosyne	Position: RA:
Observer: B YOUNG	Dec:
Location: RMCE	Apparent Visual Magnitude:
Date: 11/6/5 Time: 6:00 UT	Comparison Star Sequence:
Instrument: XT-12" DOB	Star 1. X ₃ (below)
	Star 2. @ Home
	Star 3. 11/8/5 5:55 UT
	Class 4.5" ETX-125
	Comment: 47x
	Ref (Atlas/Catalogue): C=II warm, no S=II wind



11/7/5
11:55pm CST
ETX-125
(mirror-reversed)
47x
= 5:55 UT
on
11/8/5



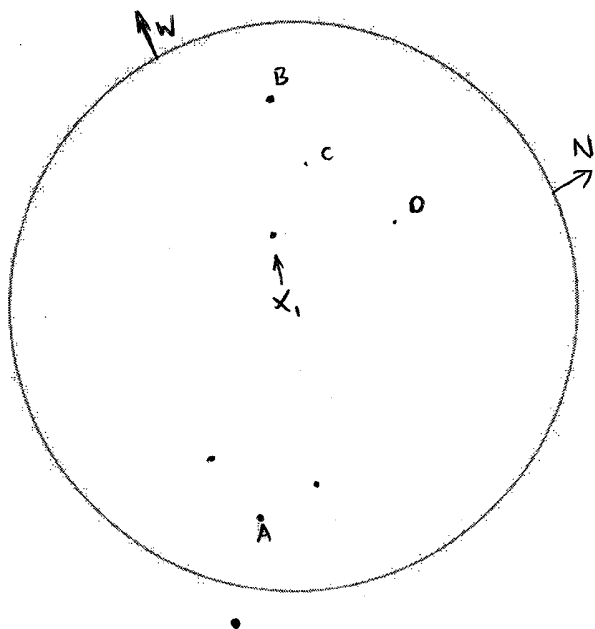
Observational Notes: MOVED JUST ENOUGH TO NOTICE EASILY
11/6/5 NOW PASSING LINE BC
11/7(8UT)/5 EASILY

* NOTE
DIRECTION
CHANGE



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>712 BOLIVIANA</u>	Position: RA: _____
Observer: <u>B Young</u>	Dec: _____
Location: <u>Home</u>	Apparent Visual Magnitude: _____
Date: <u>11/3/5</u> Time: <u>5:18</u> UT	Comparison Star Sequence: _____
Instrument: <u>ETX-125 73X</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
Ref (Atlas/Catalogue): _____	

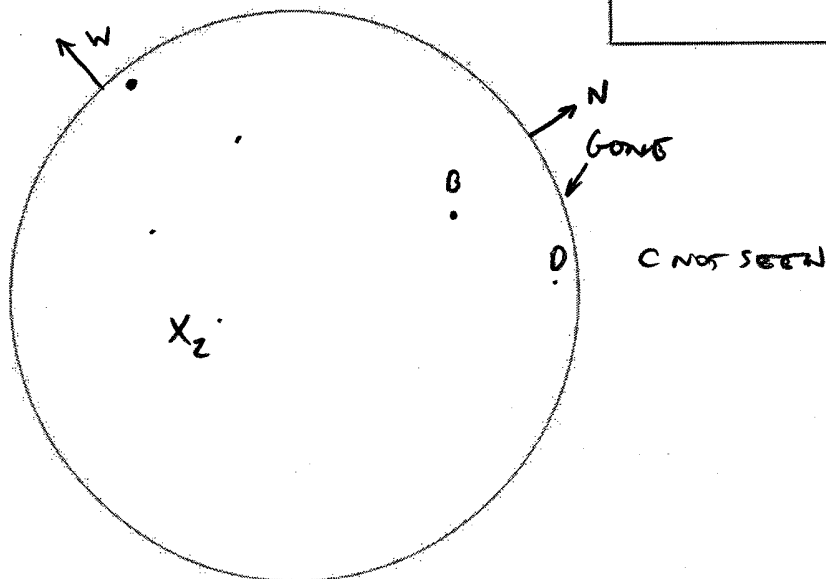


Observational Notes: At this time, pts @ A from B
Easily found 1° NE of Aldebaran - seen in 47x
but C & D 73x only



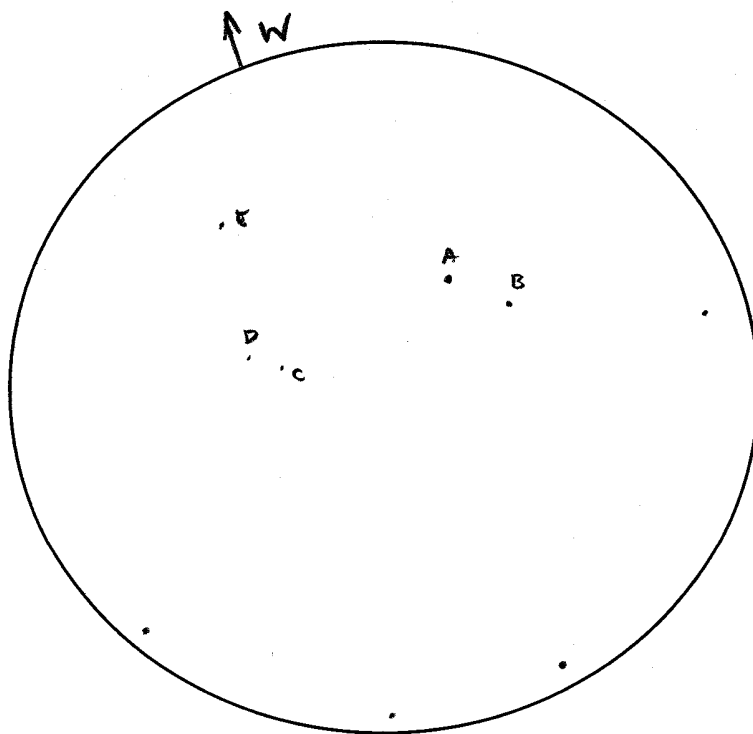
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 712 Bolvina	Position: RA:
Observer: B York	Dec:
Location: Home	Apparent Visual Magnitude:
Date: 11/14/5 Time: 4:00 UT	Comparison Star Sequence:
Instrument: ETX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: A LITTLE HARDER TO SEE TONIGHT
(C=II S=II-, lower) BUT STILL OBVIOUS
AND HARDLY NOTICEABLY. 73X BEST VIEW

DATE 1/17/6 TIME 8:45 CST CDT CLARITY I II III IV V SEEING I II III IV V
INSTRUMENT KT-12 ETX-125 50 x 800 mm RR 10x50 EYE
POWER 38 60 121 150 250 375 10 47 73 ^{mm} 153 190 OP 316 475
TARGET 111 Ate FILTER NO VP NB WB OIII
PHASE _____ PROGRAM Asteroids ~~Lunar II~~ LOCATION RMCC RANCH HOME



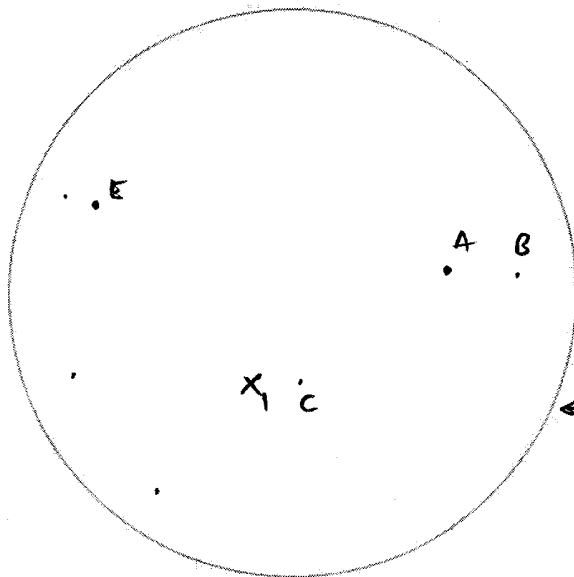
10mm
field

Should be (D) - d m but seen steadily
esp. @ 190x



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 111 Ato	Position: RA:
Observer: B. Young	Dec:
Location: Home	Apparent Visual Magnitude:
Date: 1/23/06 Time: 4:20 UT	Comparison Star Sequence:
Instrument: ETX-125 73x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



X, pos check

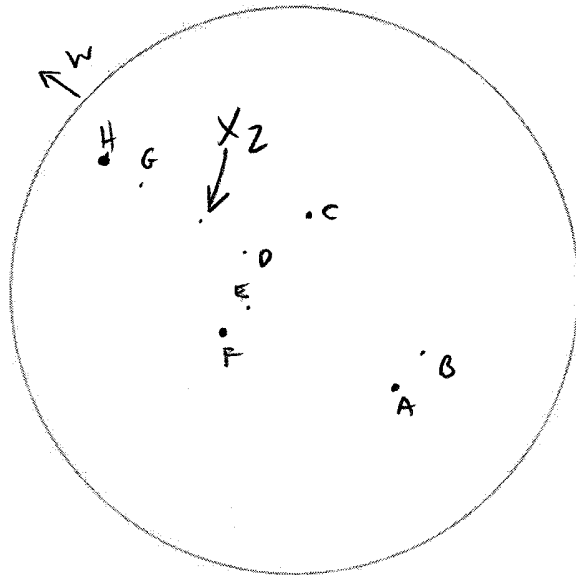
← only one!

Observational Notes: "D" is gone! that was A back on
1/17 (18)/06. Note that more stars seen in
field tonight @ 73x - higher & clearer



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>111 Ate</u>	Position: RA: _____
Observer: <u>B. Young</u>	Dec: _____
Location: <u>Home</u>	Apparent Visual Magnitude: _____
Date: <u>1/23/6</u> Time: <u>4:30</u> UT	Comparison Star Sequence: _____
Instrument: <u>ETX-125</u> <u>47x</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____

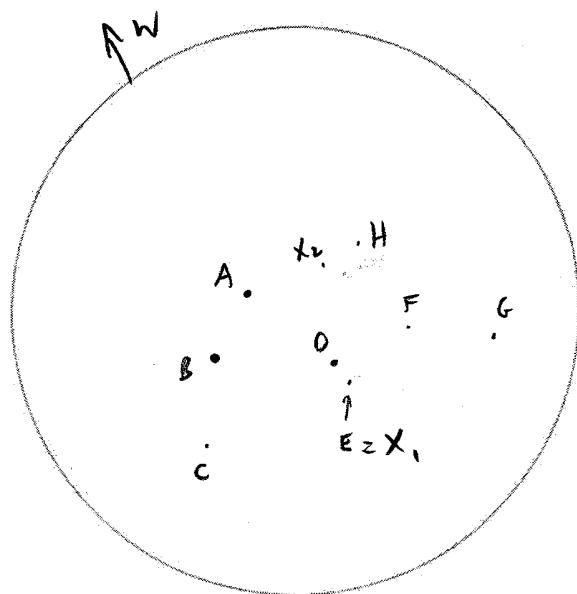


Observational Notes: Now seen X2 easily "put" a Δ



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>53 Kalypsa</u>	Position: RA: _____
Observer: <u>B. Young</u>	Dec: _____
Location: <u>Home</u>	Apparent Visual Magnitude: _____
Date: <u>1/23/6</u> Time: <u>5:00</u> UT	Comparison Star Sequence: _____
Instrument: <u>ETX-125 47x</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
Ref (Atlas/Catalogue): _____	



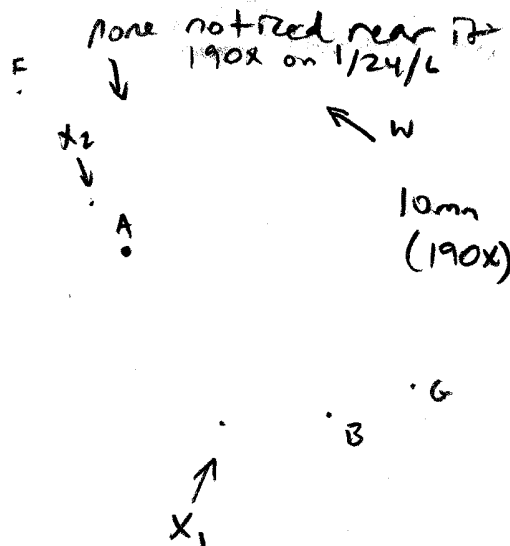
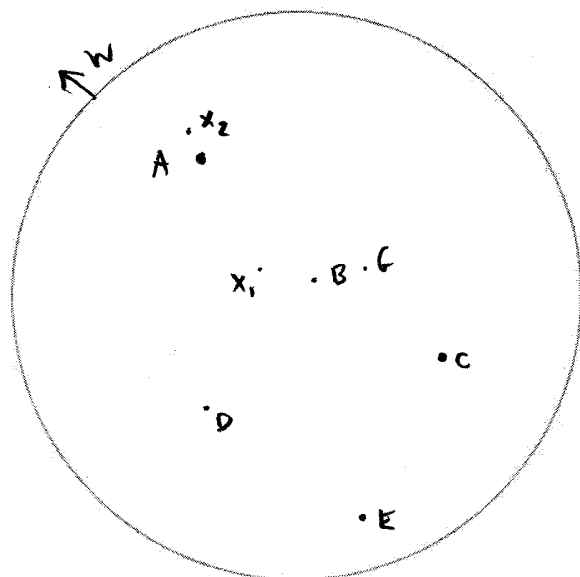
X₂ @ 1/24/6 4:00 UT
73x
(25mm)

Observational Notes: MUCH NICER 1/23/6 BUT SEEN MOST
NIGHT LOWER IN SKY BUT MOVED WEST TO X₂
& CAME FROM X₁. DIM BUT SEEN (73x
HELPS)



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>79 Eurynome</u>	Position: RA:
Observer: <u>B. Young</u>	Dec:
Location: <u>Home</u>	Apparent Visual Magnitude:
Date: <u>1/24/6</u> Time: <u>3:50</u> UT	Comparison Star Sequence:
Instrument: <u>ETX-125</u> <u>73a</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:

Feb 1/25 only G higher (N) of AB → X1 is AST.

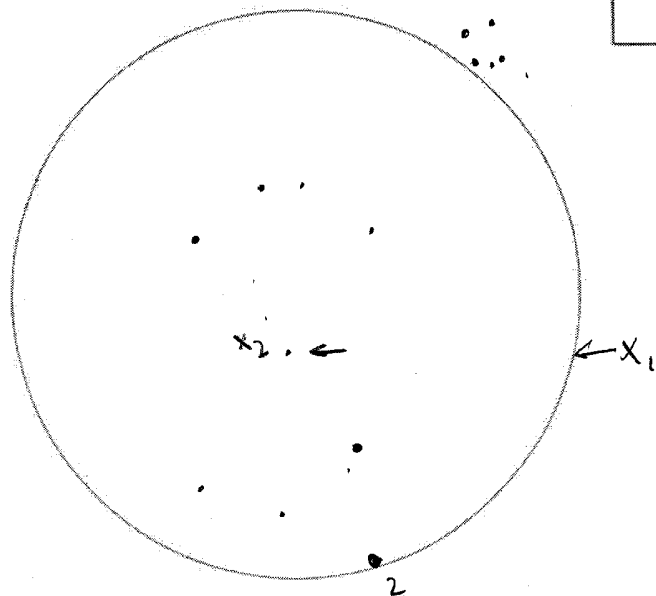
BEST CONFIRMED BY 190x VIEW - DEFINITELY SEEN BY

17th MAG.



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 27 Butorpe	Position: RA:
Observer: B York	Dec:
Location: Mce	Apparent Visual Magnitude:
Date: 5/28/6 Time: 4:25 UT	Comparison Star Sequence:
Instrument: XT-12 36x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

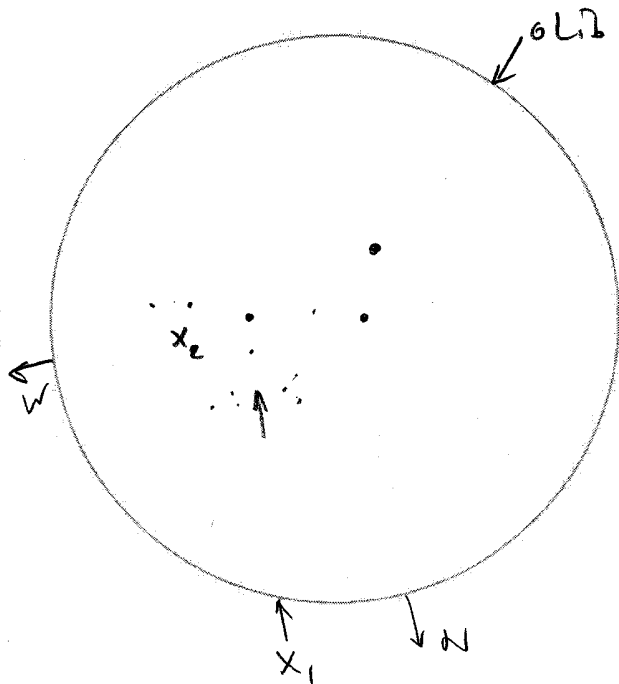


Observational Notes: Easy, checked @ 5/28/6 6:00 UT - it didn't
move much.
X₂ 5/29/6 @ ADAMS MUNCH SAME SETUP @ 3:00 UT



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 196 Ph. Pamela	Position: RA:
Observer: B Young	Dec:
Location: MCC	Apparent Visual Magnitude:
Date: 5/28/1 Time: 4:40 UT	Comparison Star Sequence:
Instrument: XT-12 36x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



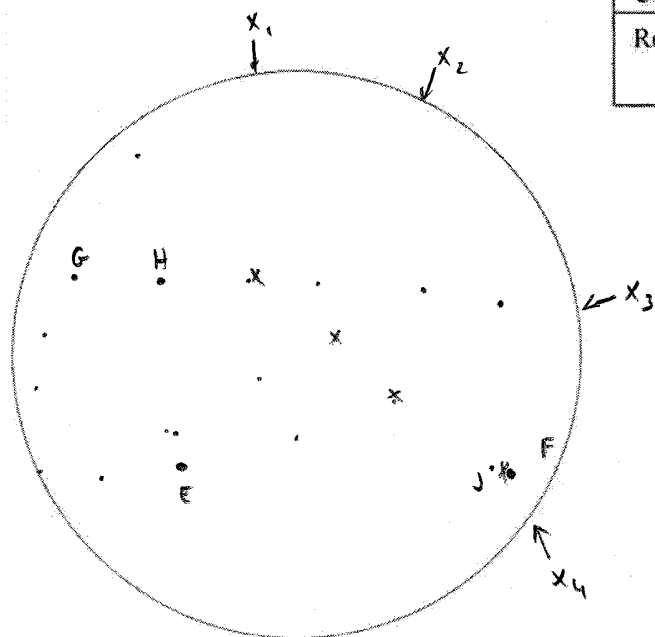
Observational Notes:

x2 Adams LANCET 3:15 UT SAME SETUP 5/29/6



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>2004 XP14</u>	Position: RA:
Observer: <u>B Young</u>	Dec:
Location: <u>Home</u>	Apparent Visual Magnitude: <u>~11</u>
Date: <u>7/3/6</u> Time: <u>3:28</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12 150X</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
Ref (Atlas/Catalogue):	

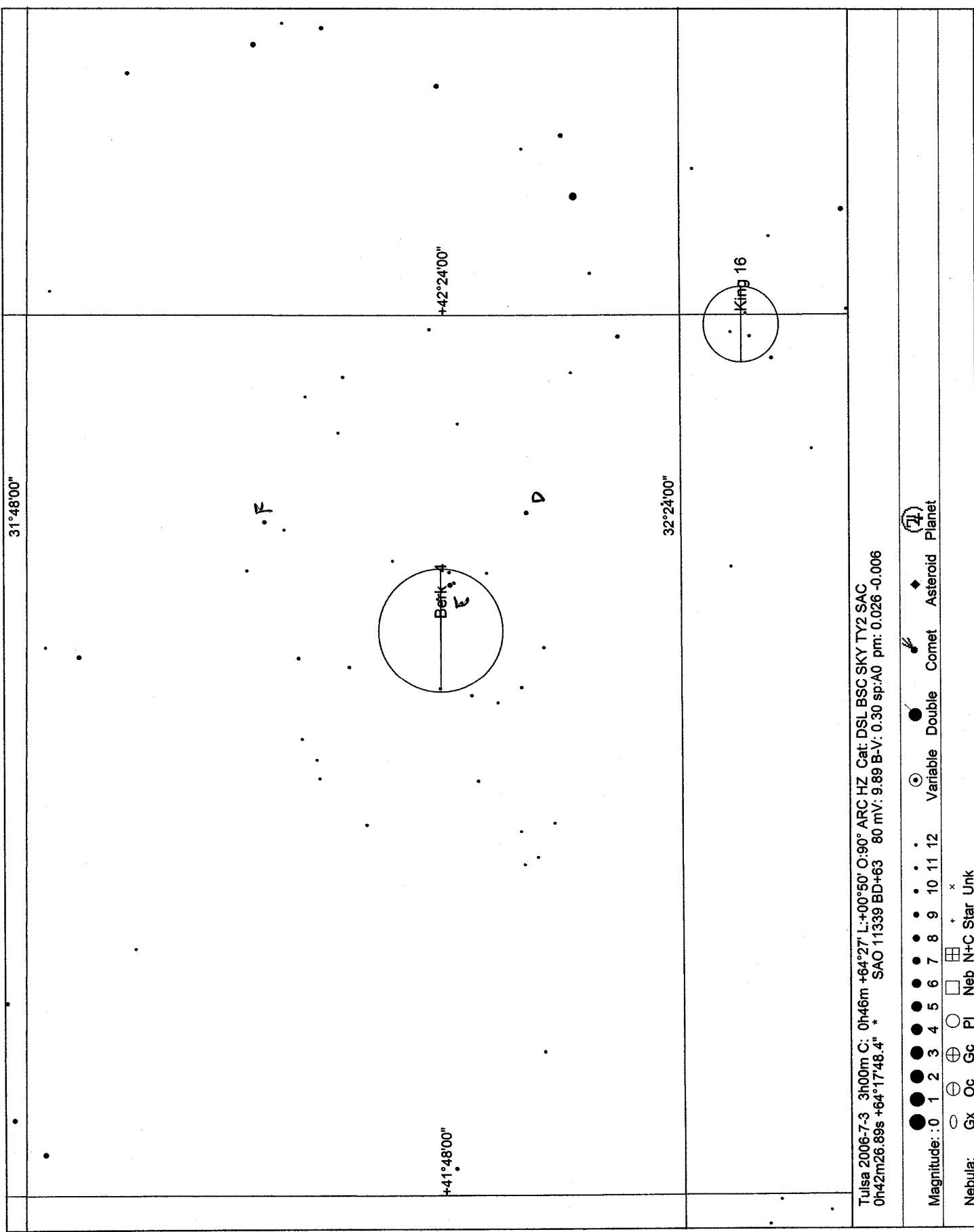


See S&T chart for
 stars labelled A-F

Magnitude:

XP14 > G = 11.3
 < H = 10.8
 > J = 13.1 ??
 F = 10.1

••
 Observational Notes: Refer to sketches made at eyepiece
attached. 1 set m=11.0

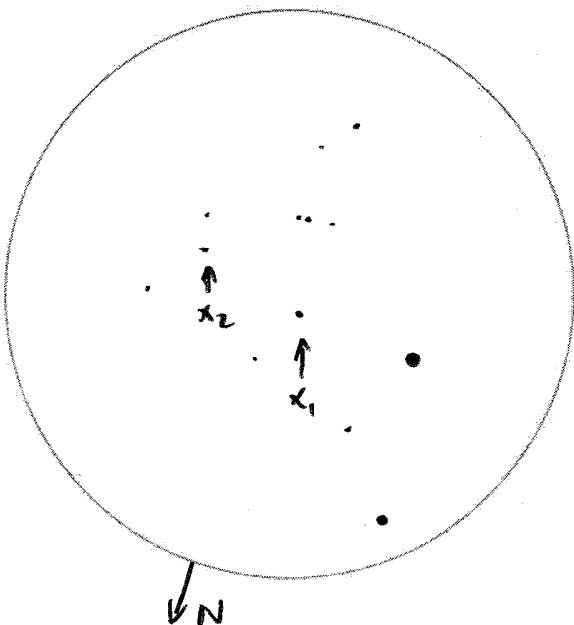


Tulsa 2006-7-3 3h00m C: 0h46m +64°27' L: +00°50' O: 90° ARC HZ Cat: DSL BSC SKY TY2 SAC
0h42m26.89s +64°17'48.4" * SAO 11339 BD+63 80 mV: 9.89 B-V: 0.30 sp:A0 pm: 0.026 -0.006



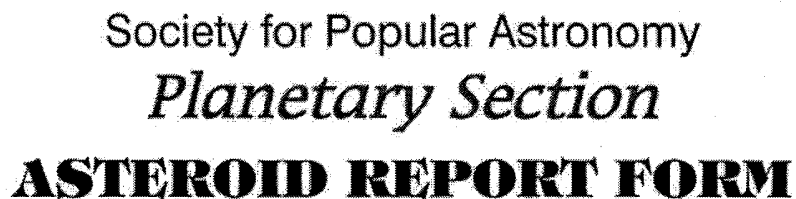
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>68 Leto</u>	Position: RA:
Observer: <u>B Young</u>	Dec:
Location: <u>Adams Ranch</u>	Apparent Visual Magnitude:
Date: <u>9/19/16</u> Time: <u>7:45</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12 38x</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



$x_2 = 9/20/16$ 32484
RMCC 38x

Observational Notes:



A hand-drawn diagram of a circular system. Inside the circle, there are several small dots representing particles. Two arrows labeled x_1 and x_2 point upwards towards a cluster of dots on the left. A large arrow labeled N points downwards from the bottom of the circle.

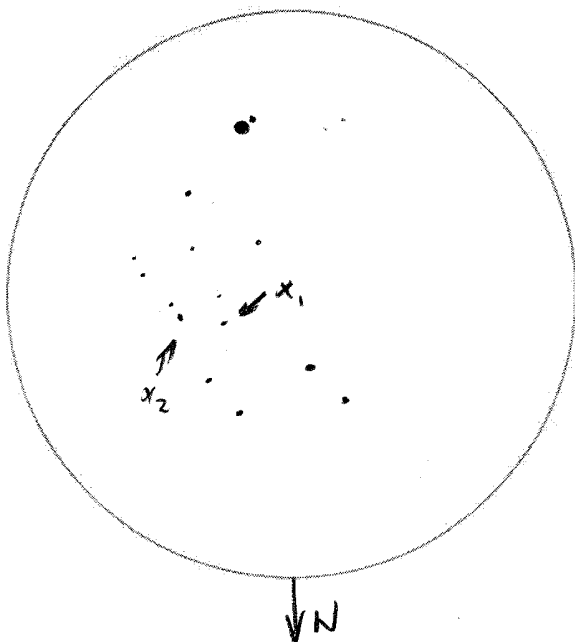
$x_2 = 2/20/2 \quad 31224$
Rncc 38x

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>186 Celina</u>	Position: RA:
Observer: <u>B Young</u>	Dec:
Location: <u>Adams Ranch</u>	Apparent Visual Magnitude:
Date: <u>9/19/6</u> Time: <u>7:40</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12 38x</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



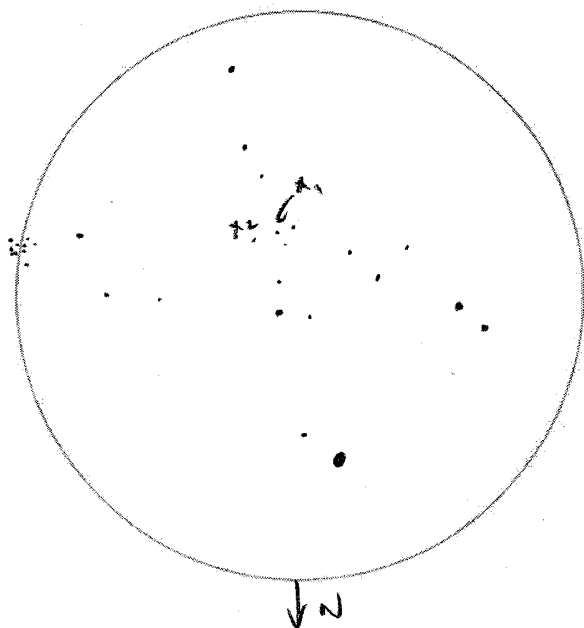
$x_2 = 9/20/6$ 3:43 UT
RMCC 38x

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 349 Dembowska	Position: RA:
Observer: D. Yarr	Dec:
Location: ADAMS	Apparent Visual Magnitude:
Date: 9/19/6 Time: 4:55 UT	Comparison Star Sequence:
Instrument: X512 38K	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



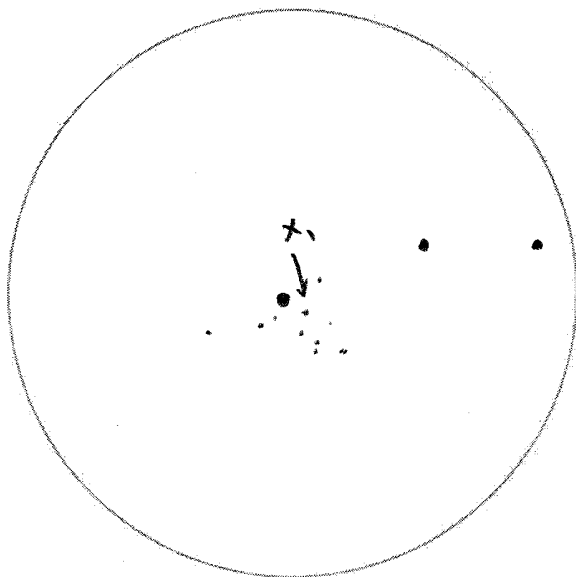
$x_2 = 3118$
9/20/6 mce
38K

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 25 Phocaea	Position: RA:
Observer: B Younk	Dec:
Location: RMCC	Apparent Visual Magnitude:
Date: 9/20/6 Time: 4:00 UT	Comparison Star Sequence:
Instrument: XR-12 38x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



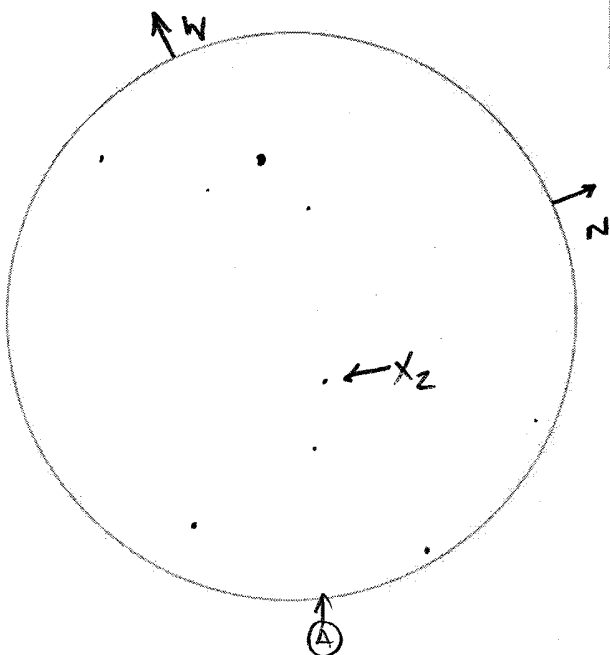
X, GONE 9/22/6 (see
further on)

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 25 PHOCOA	Position: RA:
Observer: B Yount	Dec:
Location: Bmg	Apparent Visual Magnitude:
Date: 9/22/6 Time: 4:20 UT	Comparison Star Sequence:
Instrument: BTX-125 47x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



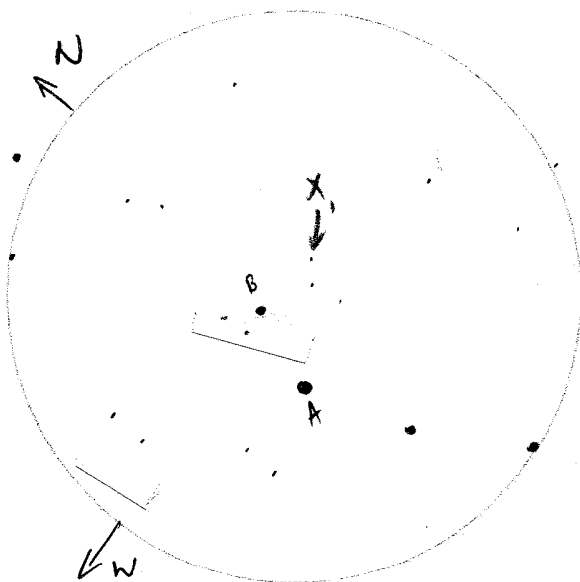
Observational Notes:

confirmed 4:07 UT sighting (next
page) which was in slight cloud.
Phocaea actually a little brighter than
field star A



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 22 KAMIOPE	Position: RA:
Observer: B Young	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/31/6 Time: 7:45 UT	Comparison Star Sequence:
Instrument: ETX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



X, GONE
1/2/7

W 1/2/7
190x

A X2
↓

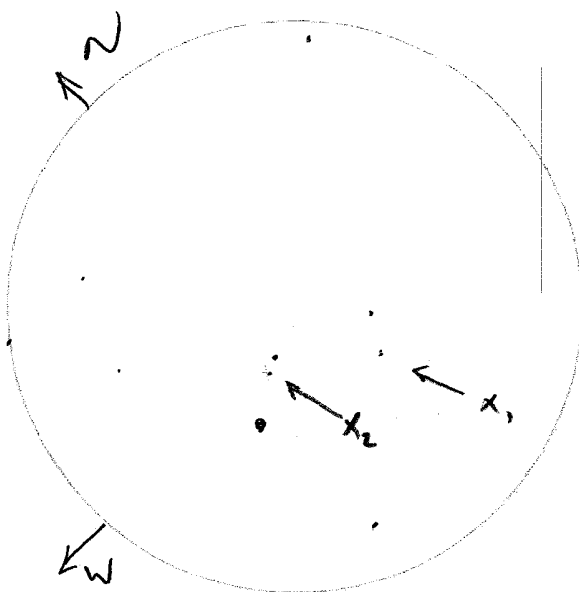
Observational Notes: WENT RIGHT TO IT! BY EYE - THEN LOOKED IN
EYEPiece & THERE WAS X AND OTHERS!

Chart is 1/1/7



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>39 LAETIA</u>	Position: RA:
Observer: <u>B YOUNG</u>	Dec:
Location: <u>HOME</u>	Apparent Visual Magnitude:
Date: <u>12/31/6</u> Time: <u>7:30</u> UT	Comparison Star Sequence:
Instrument: <u>ETX-125</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



$x_2 = 1/2/7$ 1:55 UT

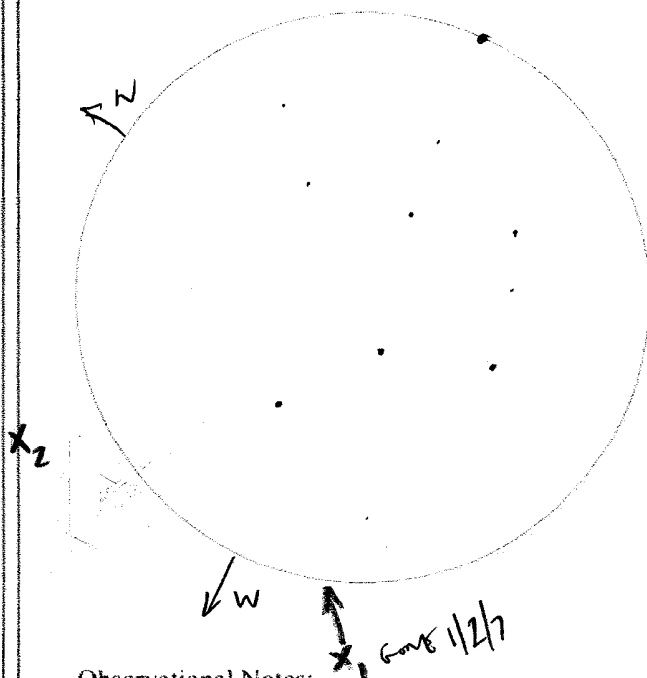
x_1 comes 1/2/7

Observational Notes: CHART IS 1/1/7



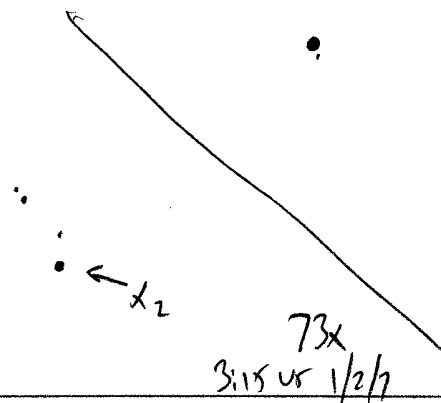
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 44 NYSA	Position: RA:
Observer: B Young	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/31/06 Time: 7:10 UT	Comparison Star Sequence:
Instrument: BTX-125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



12/31/07

190x (IT HAD
OCCURRED
THIS STAR
EARLIER
TOMORROW
N. OF
ME)



Observational Notes:

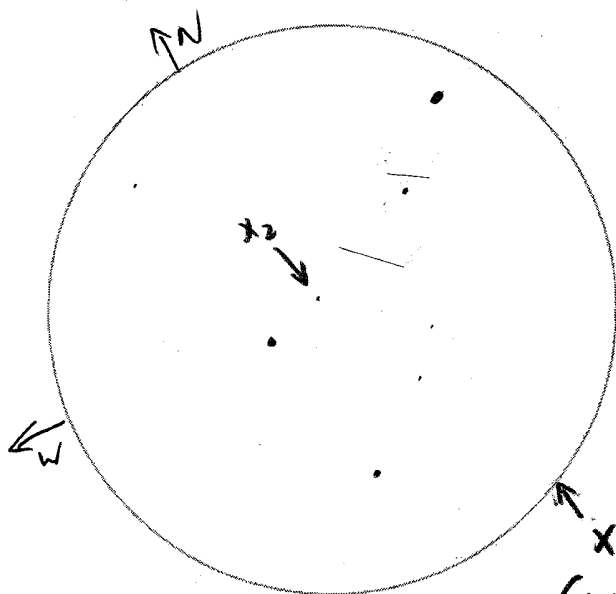
NOTE CHART = 1/1/07

D BUT CLEAR, C=III S=III

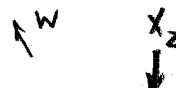


Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 97 KLOTHO	Position: RA:
Observer: B Yount	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/31/6 Time: 7:20 UT	Comparison Star Sequence:
Instrument: ETX 125	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



(DONE
1/2/7)



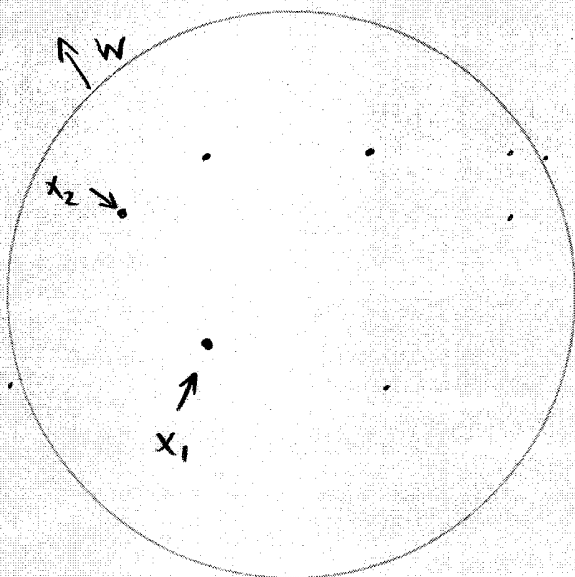
1/2/7
73x
2:45

Observational Notes: CHART ATTACHED IS 1/1/07



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Planetary Section
ASTEROID REPORT FORM

Asteroid: 20 MASSALIA	Position: RA:
Observer: B Young	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 1/29/07 Time: 4:10 UT	Comparison Star Sequence:
Instrument: ETX-125 47x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



$x_2 = 3:38$ UT
1/30/07
HOME
ETX-125
47x

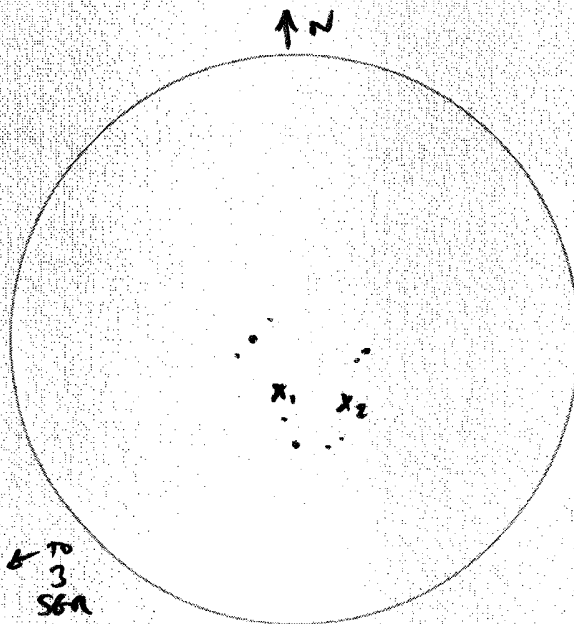
Observational Notes:

OBSVIOUS THIS WAS IT, FROM CHANGE IN
QUADRILATERAL TO A BENT LINE. BRIGHTEST
IN FIELD ~ 8.5 MAG



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Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>9 Metis</u>	Position: RA:
Observer: <u>B. Young</u>	Dec:
Location: <u>Tulsa / Adams Ranch</u>	Apparent Visual Magnitude:
Date: <u>7/14 & 15/7</u> Time: <u>4:30</u> <u>2:55</u> UT	Comparison Star Sequence:
Instrument: <u>ETX 125 / 12" DOB</u>	Star 1.
<u>73x</u> <u>75x</u>	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



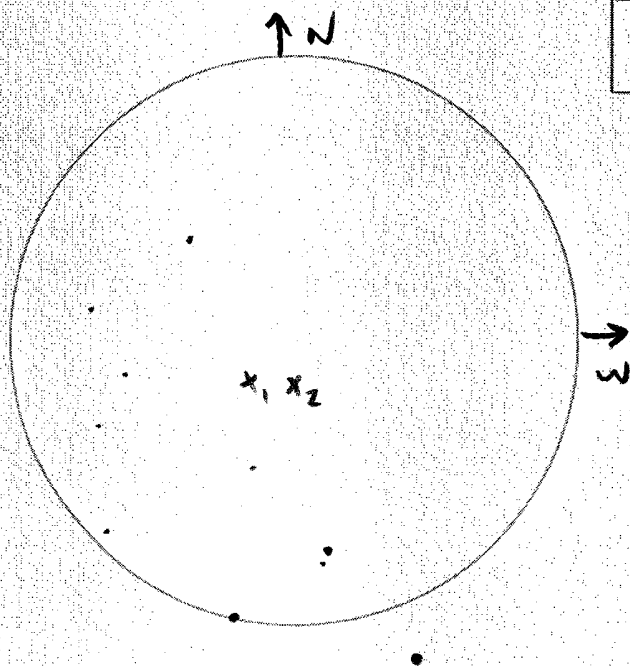
DRAWN W/DIRECT
& NORTH UP FOR
CONSISTENCY
7/14 WAS MIRROR-
REVERSED
7/15 WAS INVERTED

Observational Notes: OBVIOUS - DIFFICULT IN CITY W/
DEW - BUT EASY AT DARK SKY SITE W/12"
SCOPE EVEN IN TWILIGHT



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>21 LUTETIA</u>	Position: RA:
Observer: <u>B. YOUNG</u>	Dec:
Location: <u>TULSA/ADAMS RANCH</u>	Apparent Visual Magnitude:
Date: <u>7/14 & 15/7</u> Time: <u>4:20</u> <u>2:45</u> UT	Comparison Star Sequence:
Instrument: <u>ETX-125 / 12" DOB</u>	Star 1.
<u>73x</u> <u>75x</u>	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



SHOWN W/
DIRECT & NORTH UP
FOR CONSISTENCY
7/14 WAS MIRROR-
REVERSED,
7/15 WAS INVERTED

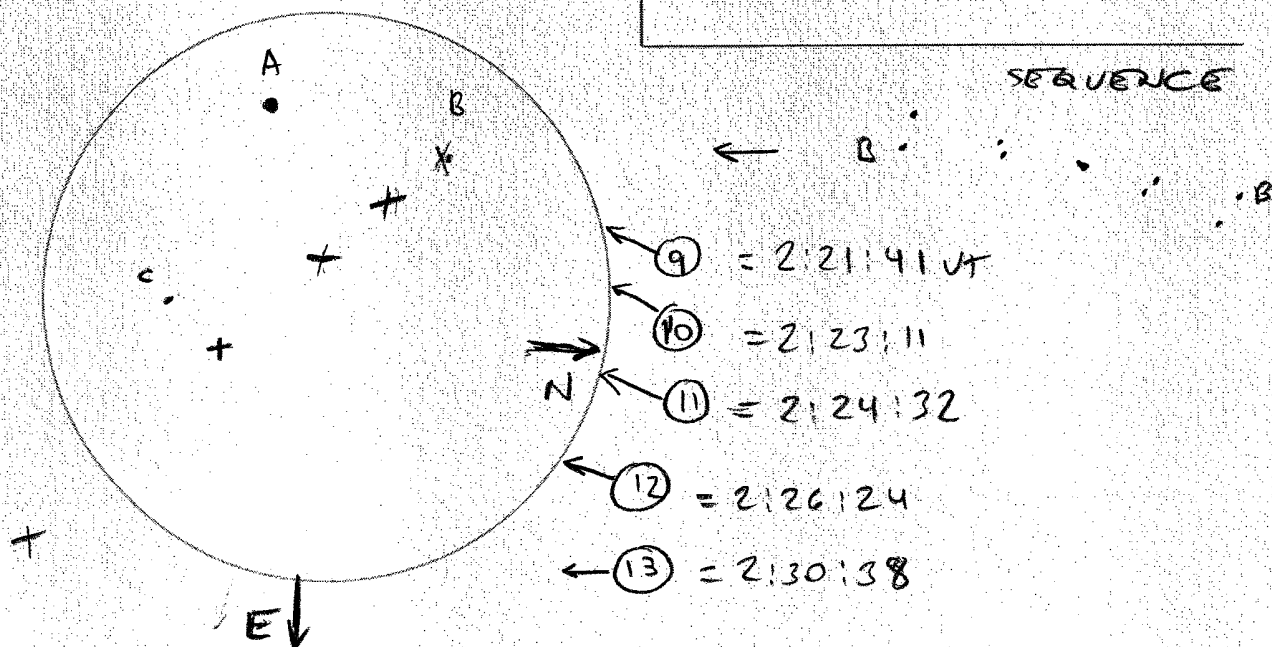
Observational Notes:

NOT AS OBVIOUS A MOVE AS METEOR
BUT STILL CONFIRMED. NOT EASY 7/14 DUE TO
DEW BUT EASY AT DARK SKY SITE W/12" EVEN
IN TWILIGHT



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

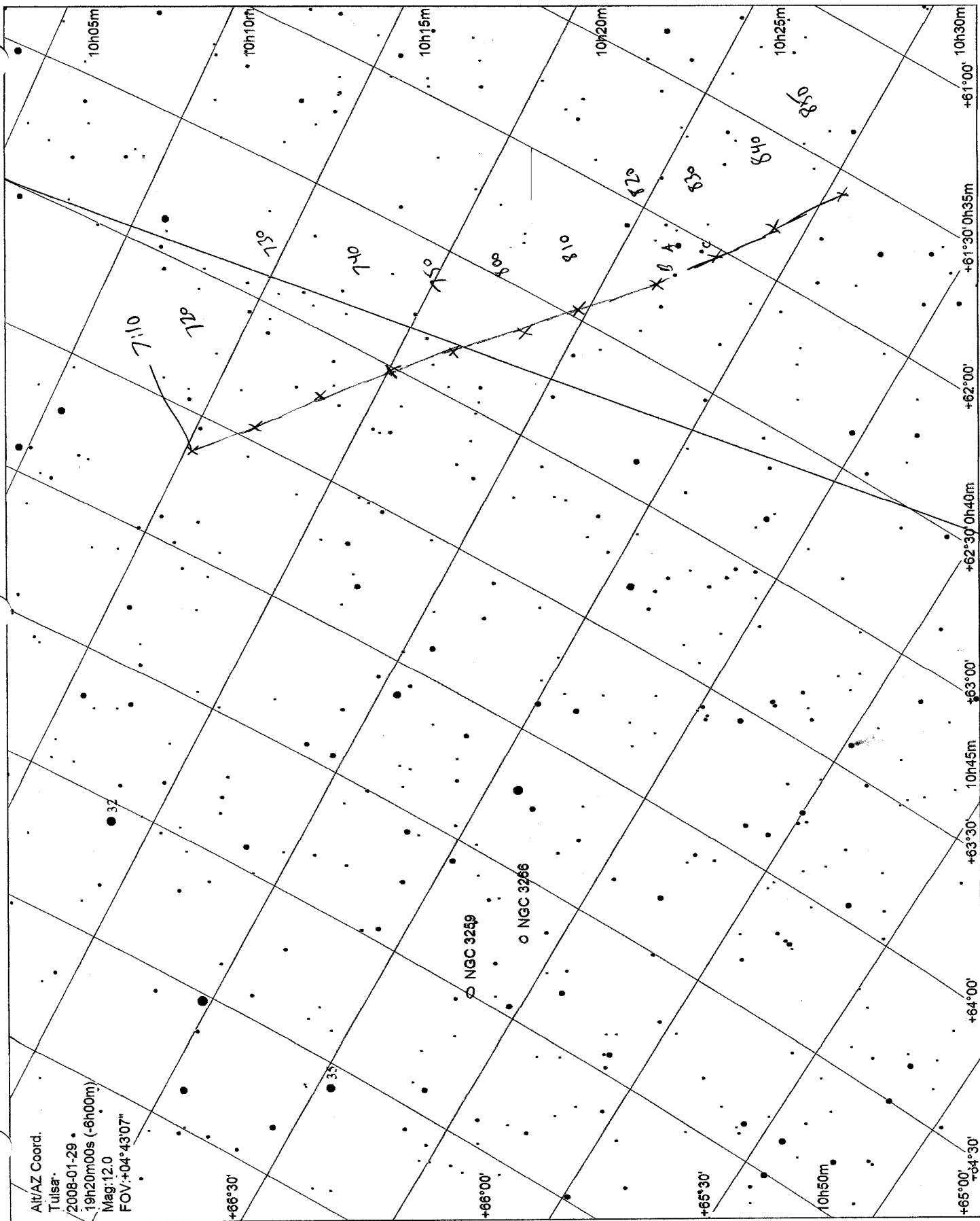
Asteroid: <u>2007/TU24</u>	Position: RA:
Observer: <u>B. YOUNG</u>	Dec:
Location: <u>HOME</u>	Apparent Visual Magnitude:
Date: <u>1/30/08</u> Time: <u>2:20</u> UT	Comparison Star Sequence:
Instrument: <u>ETX-125</u>	Star 1. <u>A = TYC 4144-1398-1 m 9.1</u>
	Star 2. <u>B = TYC 4144-115-1 m 10.8</u>
	Star 3. <u>C = TYC 4144-290-1 m 10.8</u>
	Class
	Comment: <u>X < A X ≈ B ≈ C</u>
	Ref (Atlas/Catalogue):



Observational Notes:

NOT AT ALL EASY WITH 5" MAK 10mm = 190X
MAG = 10.8 from comparison to B & C
MOTION OBVIOUS, ESPECIALLY AS IT PASSED
(B) - SEE SEQUENCE
COND. = EXCELLENT BUT COLD
LOW IN NE WHERE LIGHTS ARE WORST FOR ME

Alt/AZ Coord.
Tulsa
2008-01-29
19h20m00s (-6h00m)
Mag: 12.0
FOV: +04°43'07"

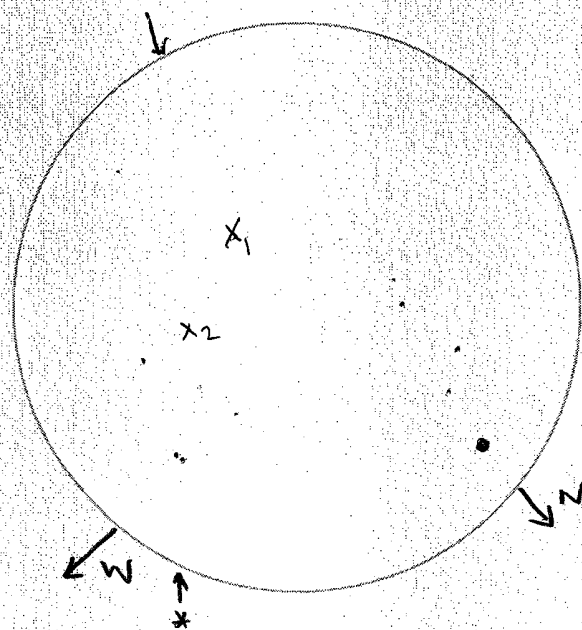




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Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>5 ASTERIA</u>	Position: RA:
Observer: <u>B. YOUNG</u>	Dec:
Location: <u>NMCC</u>	Apparent Visual Magnitude:
Date: <u>4/5/8</u> Time: <u>3:45</u> UT	Comparison Star Sequence:
Instrument: <u>12" 36x</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

*X₂ = 3:25 UT
 4/6/8
 NMCC
 12" 36x*



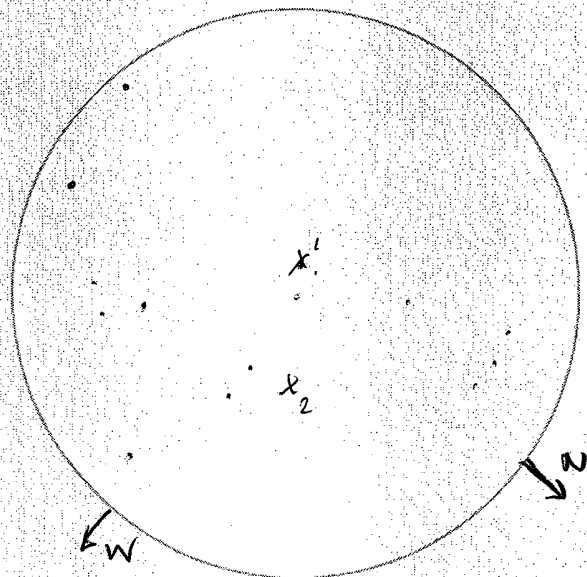
Observational Notes: Easy - about mag 10. Nice dbl at X



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Planetary Section
ASTEROID REPORT FORM

Asteroid: 41 DAPHNE	Position: RA:
Observer: B. YOMG	Dec:
Location: RMCC	Apparent Visual Magnitude:
Date: 4/5/8 Time: 3:40 UT	Comparison Star Sequence:
Instrument: 12" 36x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

$X_2 = 4/6/8$
 $3:15 UT$
RMCC
12" 36x



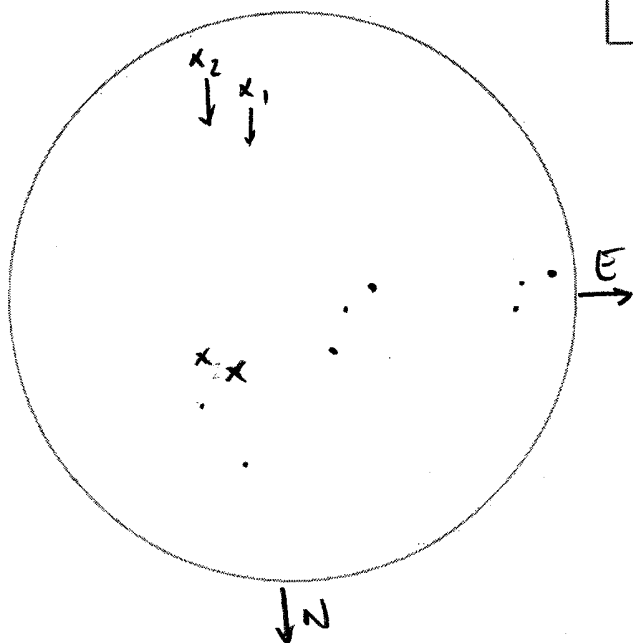
Observational Notes:

Easy to see 9.7m 1.3x. 4/5 = 7
4/6 = 7

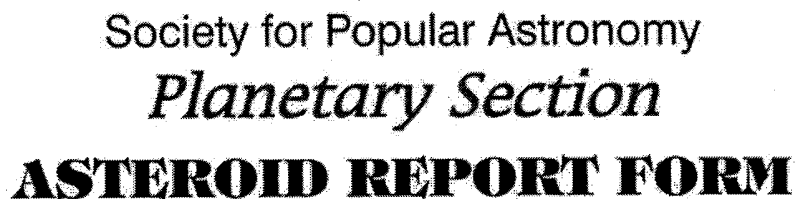


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Planetary Section
ASTEROID REPORT FORM *Got it*

Asteroid: <i>50 VIRGINIA</i>	Position: RA:
Observer: <i>B. YOUNG</i>	Dec:
Location: <i>Okie-Tex</i>	Apparent Visual Magnitude: <i>~10.5</i>
Date: <i>10/2/8</i> Time: <i>3:25</i> UT	Comparison Star Sequence:
Instrument: <i>XT-12 36x</i>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

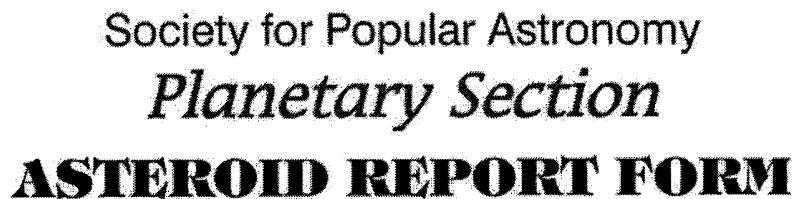


Observational Notes: *x1 = 3:25 UT*
x2 = 8:05 UT
EASILY NOTICED CHANGE



$x_1 = 8/14/9$
 5:19 UT
 37X
 (gone 8/17/9 4:20 UT)
 $x_2 = 8/17/9$
 4:25 UT
 37X

Observational Notes:



$X_1 = 8/14/9$
6:50 UT 37x

(gone 3:20 UT 8/17/9)

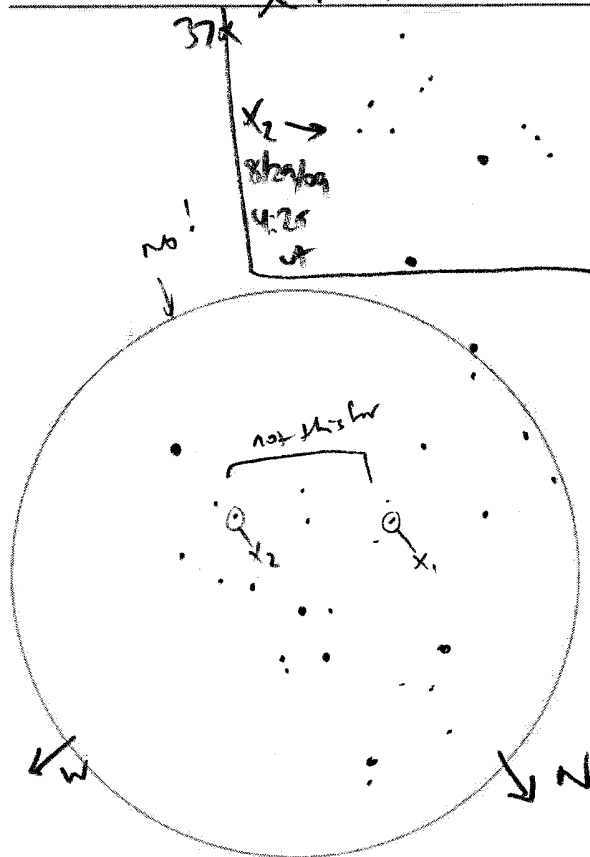
$X_2 = 8/17/9$
3:25 UT 37x

Observational Notes:



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Planetary Section
ASTEROID REPORT FORM

Asteroid: 89 JULIA	Position: RA:
Observer: B. YOUNG	Dec:
Location: RMCC	Apparent Visual Magnitude: ~10
Date: NOTE Time: NOTE UT	Comparison Star Sequence:
Instrument: XT-12	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



8/7/9 4:00 UT
37x

NO 6000
8/21/9 3:45 UT

8/22/9 4:20 UT 37x

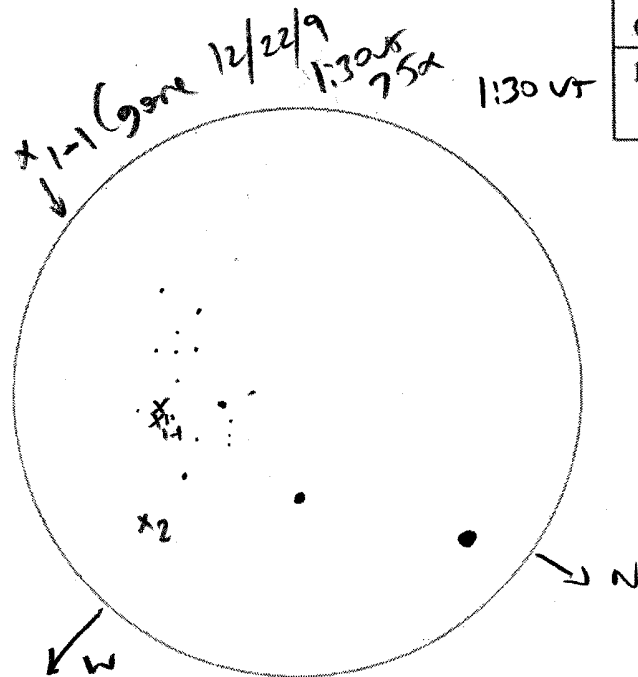


Observational Notes:

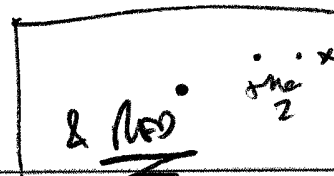


Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 324 Bamberga	Position: RA:
Observer: B. Young	Dec:
Location: RMCC	Apparent Visual Magnitude:
Date: 12/21/9 Time: 1:30 UT	Comparison Star Sequence:
Instrument: XT-12 75x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



IN CASE 1
NEVER DONE
N 2281
(37x)



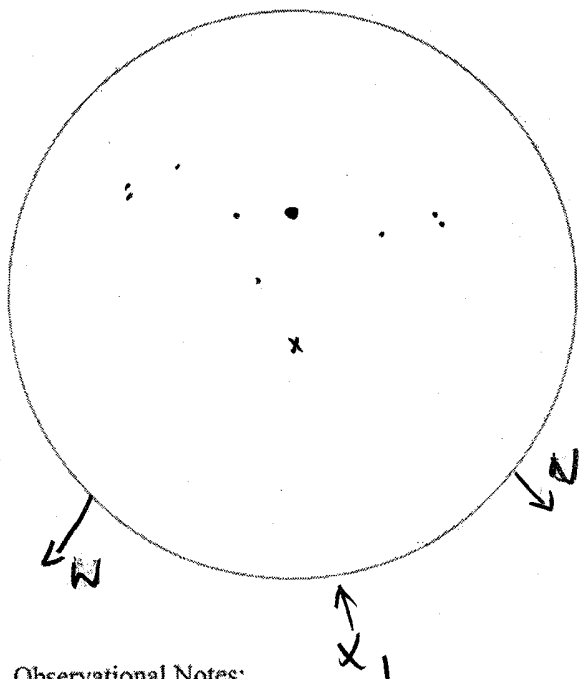
Observational Notes:

1st try 12/19 not conclusive - 12/21 thought
I saw it more a bit that night (1:30 → 3:30)
12/22 conclusive



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Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>64 ANGELINA</u>	Position: RA: _____
Observer: <u>B. YOUNG</u>	Dec: _____
Location: <u>RMCC</u>	Apparent Visual Magnitude: _____
Date: <u>2/13/10</u> Time: <u>2:15</u> UT	Comparison Star Sequence: _____
Instrument: <u>XT-12</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____



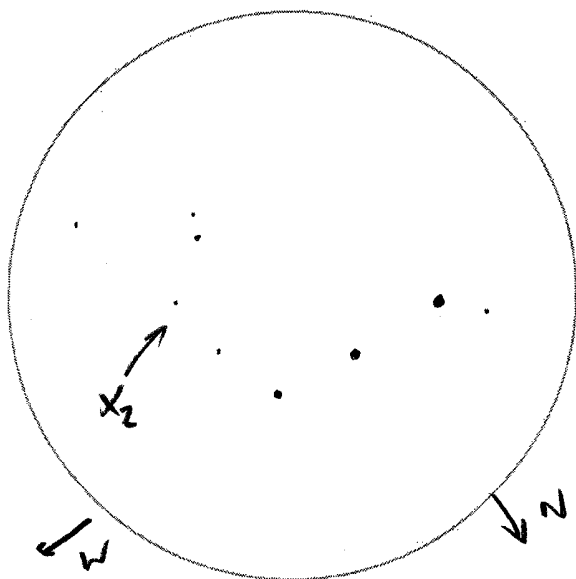
2/13/10:
Easy at ~11m 75X
Gone 2/18/10 2:20 UT

Observational Notes:



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Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>64 ANGELINA</u>	Position: RA: _____
Observer: <u>B. YOUNG</u>	Dec: _____
Location: <u>HOME</u>	Apparent Visual Magnitude: _____
Date: <u>2/18/10</u> Time: <u>2:25</u> UT	Comparison Star Sequence: _____
Instrument: <u>XT-12</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____



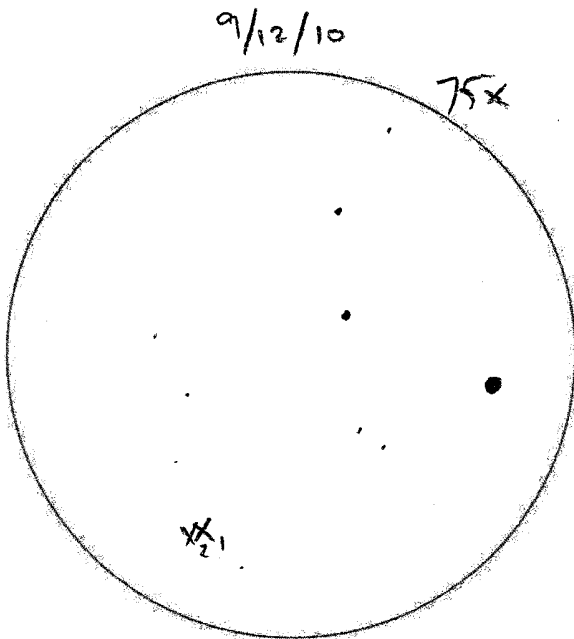
Easy near line
of 3

Observational Notes:



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Planetary Section
ASTEROID REPORT FORM

Asteroid: 471 Papagen	Position: RA:
Observer: B. Young	Dec:
Location: RMCC	Apparent Visual Magnitude:
Date: 9/12/10 Time: 4:16 UT	Comparison Star Sequence:
Instrument: XT-12	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Not much
movement - see
next set.

Observational Notes: Easy & bright (10m)



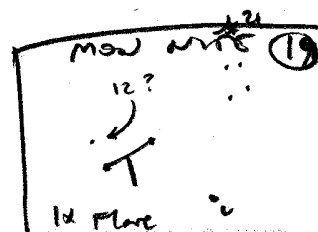
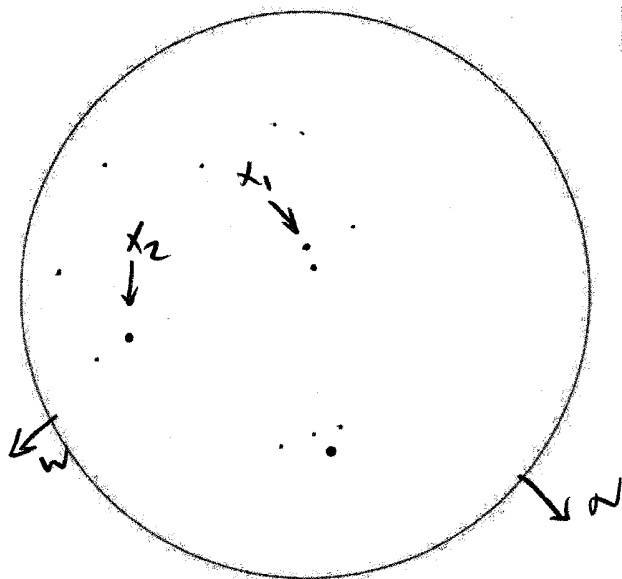
Society for Popular Astronomy

Planetary Section

ASTEROID REPORT FORM

Asteroid: <u>471 Papagena</u>	Position: RA: _____
Observer: _____	Dec: _____
Location: <u>O-Tex</u>	Apparent Visual Magnitude: _____
Date: <u>10/11/10</u> Time: <u>3:15</u> UT	Comparison Star Sequence: _____
Instrument: <u>95X</u>	Star 1. _____
	Star 2. _____
	Star 3. _____
	Class _____
	Comment: _____
	Ref (Atlas/Catalogue): _____

$x_2 = 10/5/10 \quad 3:20 \text{ UT}$



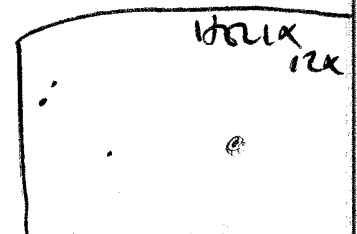
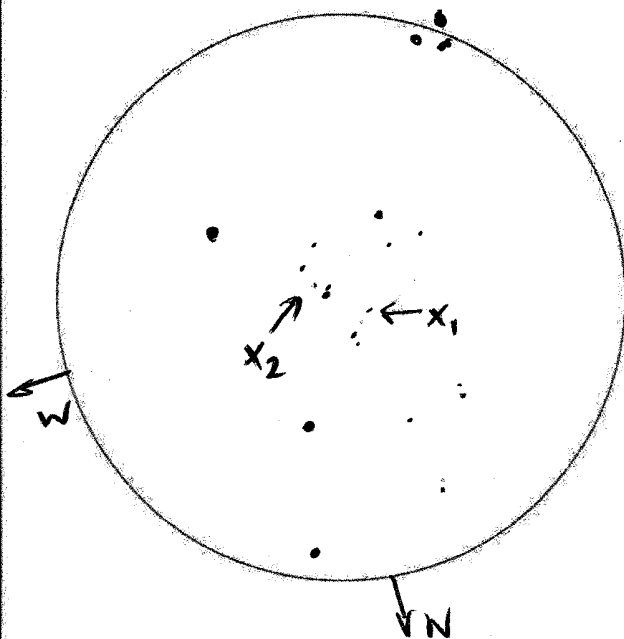
Observational Notes:

Revisited due to short Δ on last

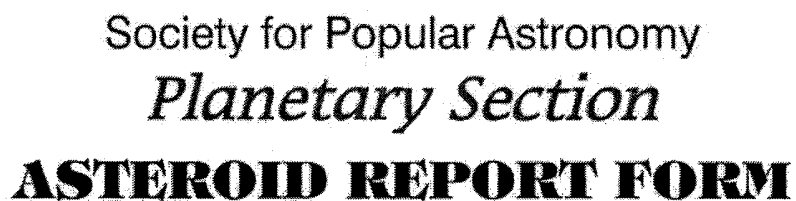


Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>103 Hera</u>	Position: RA:
Observer:	Dec:
Location:	Apparent Visual Magnitude:
Date: <u>10/4/10</u> Time: <u>3:40</u> UT	Comparison Star Sequence:
Instrument: <u>75X</u>	Star 1.
<u>X₂ 10/5/10 3:45 UT</u> <u>75X</u>	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:



169
28214

Observer:

Dec:

Location:

Apparent Visual Magnitude:

Date:

Time: 6:05 PM

Comparison Star Sequence:

Instrument:

752

Star 1.

X₂ 3:40 AM
10/6/10

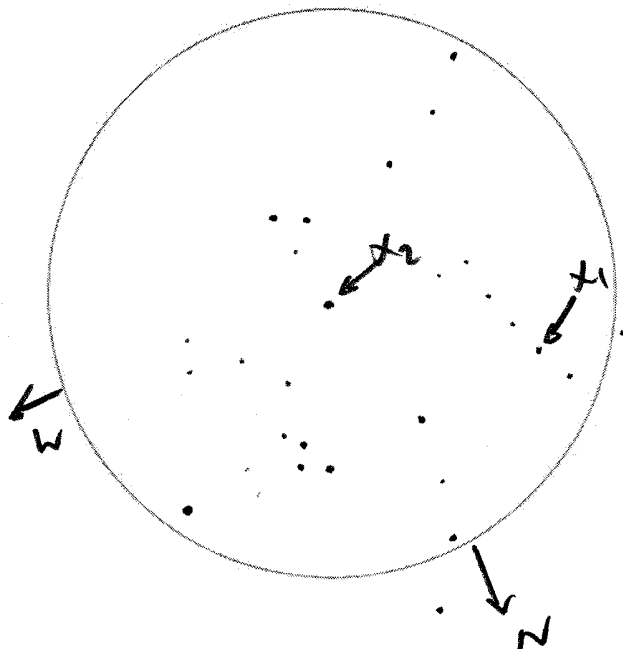
Star 2.

Star 3.

Class

Comment:

Ref (Atlas/Catalogue):



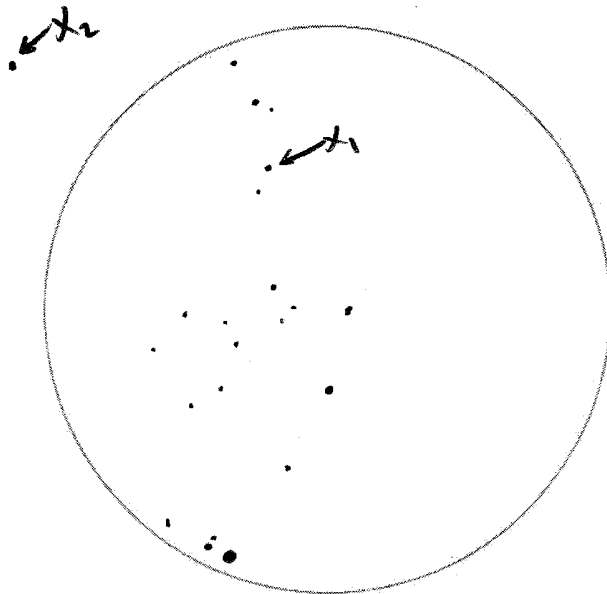
Observational Notes:

[illegible]



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 36 Atalante	Position: RA:
Observer:	Dec:
Location:	Apparent Visual Magnitude:
Date: 10/6/10 Time: 8:50 UT	Comparison Star Sequence:
Instrument: 75X	Star 1.
x ₂ 10/7/10 10:15 UT	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:
