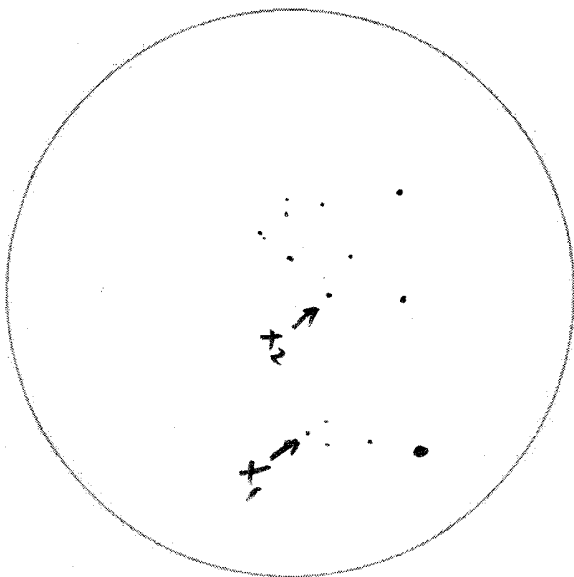




Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 175 Andromache	Position: RA:
Observer:	Dec:
Location:	Apparent Visual Magnitude:
Date: 10/6/10 Time: 10:10 UT	Comparison Star Sequence:
Instrument: 752	Star 1.
10/7/10 4:30 UT	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



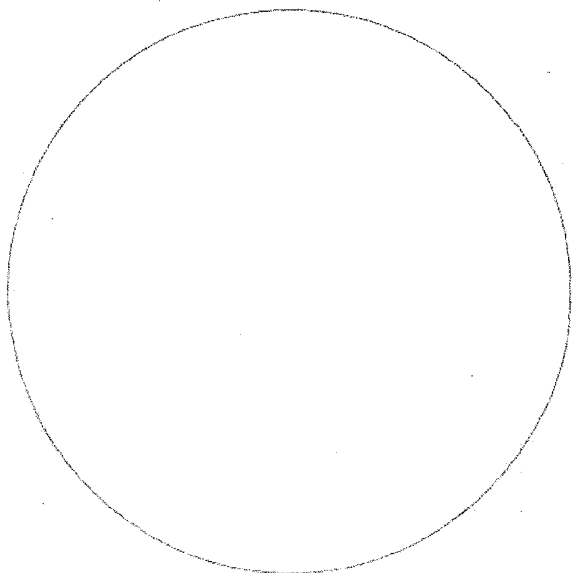
Observational Notes:

ZODIAC LINE IN EAST!



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>K03U11V</u>	Position: RA:
Observer: <u>B. Young</u>	Dec:
Location: <u>HOME</u>	Apparent Visual Magnitude: <u>~12</u>
Date: <u>10/29/10</u> Time: <u>see below</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



SEE ATTACHED
CHART

Observational Notes: OBVIOUS REAL TIME MOTION - TIMINGS LISTED

BELOW:

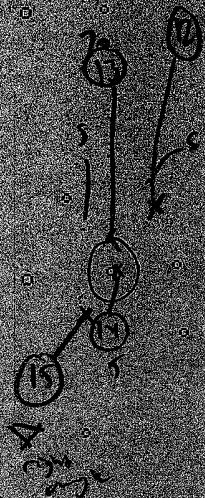
12 = 2:34:27 UT

13 = 2:37:12

14 = 2:39:26

15 = 2:42:28



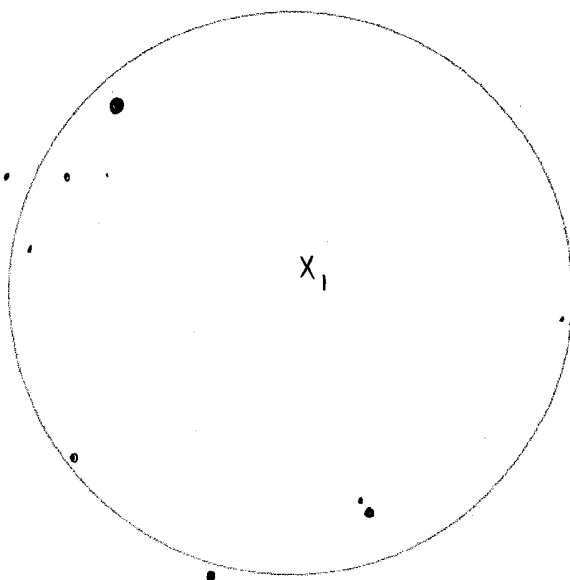


↑
940



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 37 FIDES	Position: RA:
Observer: B. YOUNG	Dec:
Location: Home / ACT	Apparent Visual Magnitude: ~10
Date: 11/20 & 27/28/10 Time: 3:00 1:30 UT	Comparison Star Sequence:
Instrument: XT-12	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



GOT BAD POSITION

FOR 11/17/10

FROM H-A.COM

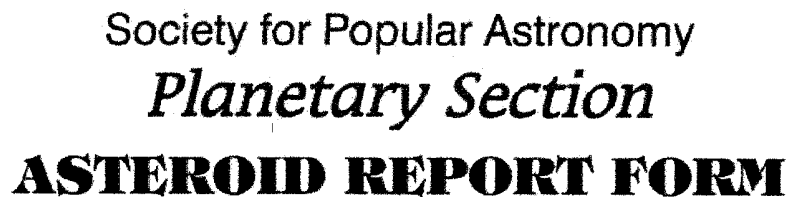
PAGE 1 OF 2

GONE 11/27/10

1:30 UT

$X_1 = 11/20/10$ 3:00 UT

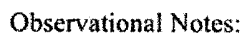
Observational Notes:



PAGE 2 OF 2

$X_2 = 11/27/10 \ 1:30 \text{ AM}$

$X_3 = 11/28/10 \quad 3:00 \text{ AM}$

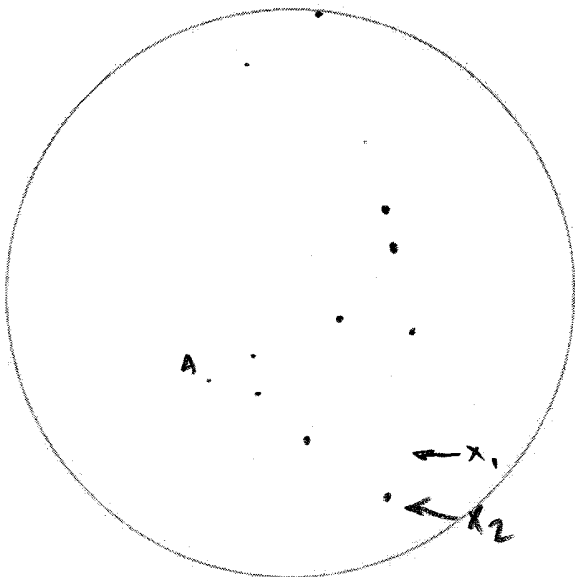
[illegible]



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 23 THALIA	Position: RA:
Observer: B. YOUNG	Dec:
Location: HOME	Apparent Visual Magnitude: ~10 mag
Date: 12/27/10 Time: 4:30 UT	Comparison Star Sequence:
Instrument: 12" DOB	Star 1.
x ₂ 4:30 12/28/10	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

• 57 Cnc



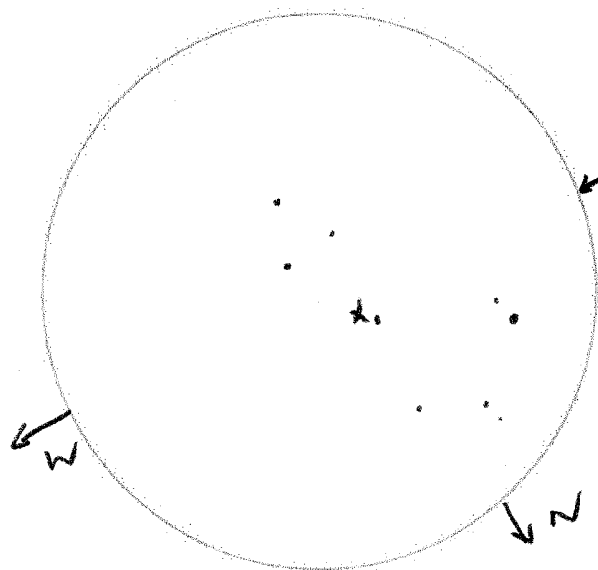
Observational Notes: 47x, used 75x to confirm (A)



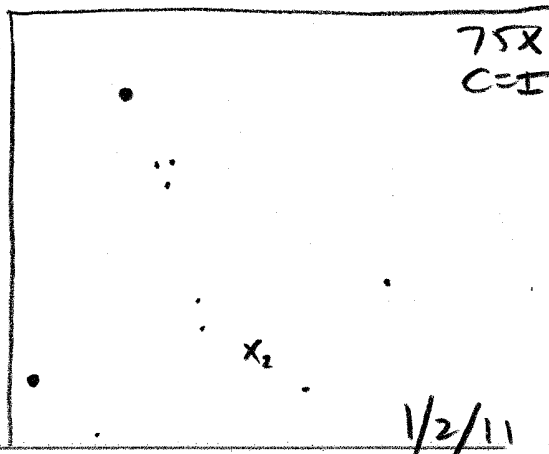
Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>28 Bellona</u>	Position: RA:
Observer: <u>B. Young</u>	Dec:
Location: <u>H₀ME</u>	Apparent Visual Magnitude: <u>~10.3</u>
Date: <u>12/31/10</u> Time: <u>4:00</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

$X_2 = 1/2/11$
4:00 UT



$X_1 = 75X$ C=III



Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 747 Winchester	Position: RA:
Observer: B. Young	Dec:
Location: Home	Apparent Visual Magnitude: ~10.8
Date: 12/31/10 Time: 4:10 UT	Comparison Star Sequence:
Instrument: Xt-12	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

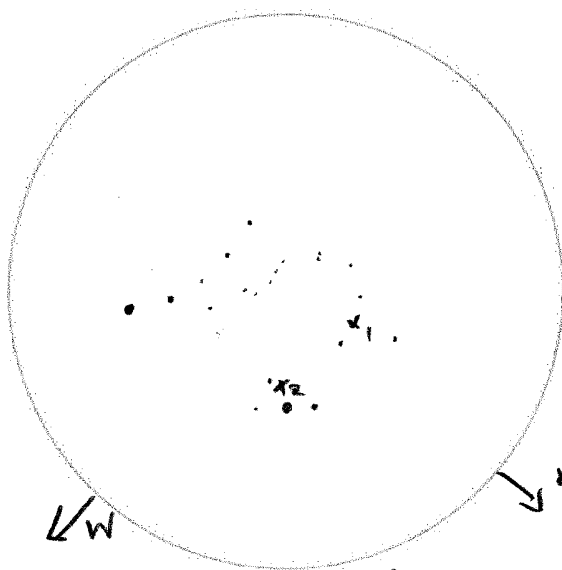
Observational Notes:

29 v. faint sat? ✓



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

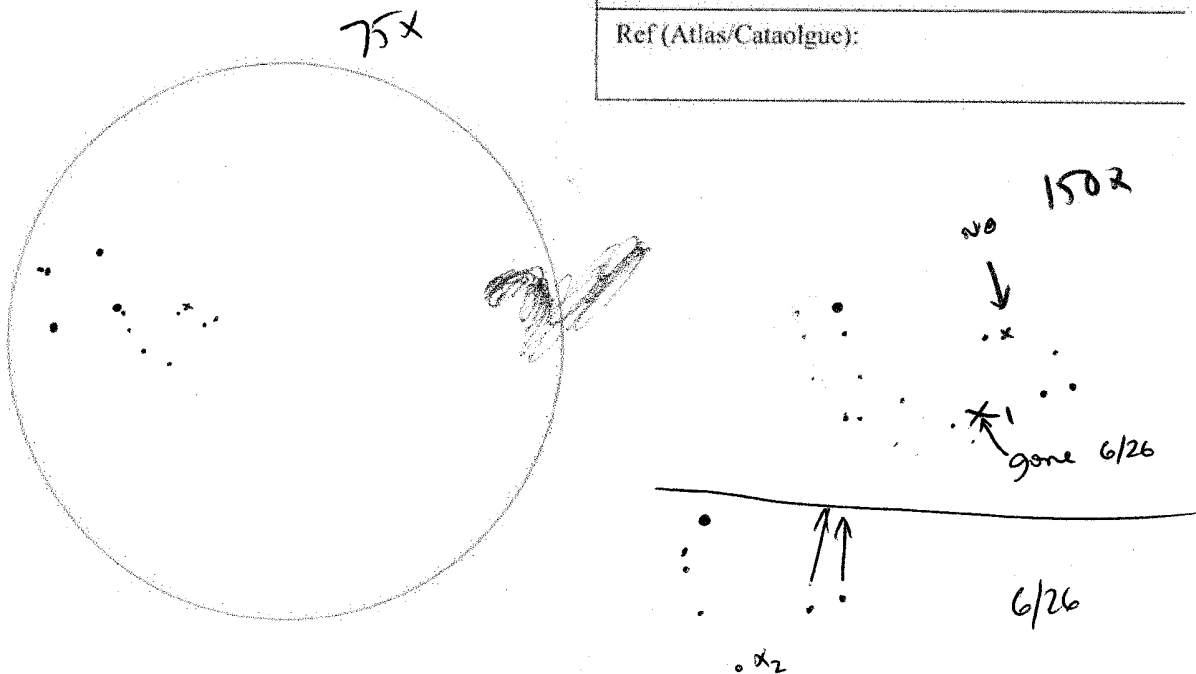
Asteroid: 747 WINCHESTER	Position: RA:
Observer: B. YOUNG	Dec:
Location: ACT / HOME	Apparent Visual Magnitude:
Date: 1/29/11 Time: 4:15 UT	Comparison Star Sequence:
Instrument: 12" 37x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



12"
150x
1255 UT
1/30/11

Observational Notes:

Asteroid: 405 Thia	Position: RA:
Observer: B. YOUNG	Dec:
Location: ACT/HOME	Apparent Visual Magnitude:
Date: 6/25/11 Time: 4:42 UT	Comparison Star Sequence:
Instrument: XT-12 12"	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



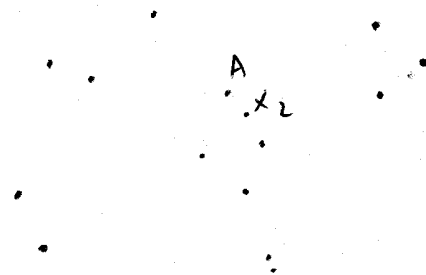
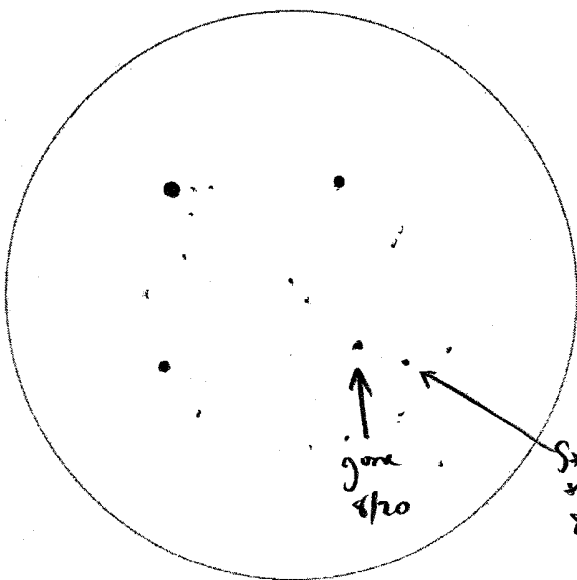
Observational Notes:

Wonderful area to look (M17)



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

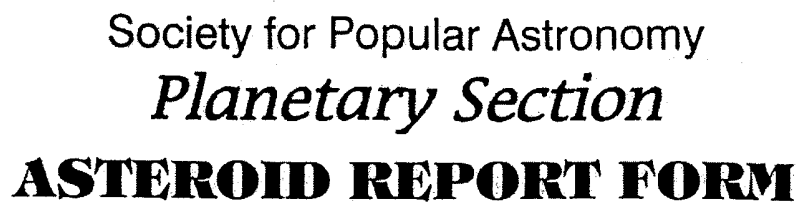
Asteroid: <u>444 Gyph3</u>	Position: RA:
Observer: <u>B 70 W</u>	Dec:
Location: <u>ACT</u>	Apparent Visual Magnitude:
Date: <u>8/6/11</u> Time: <u>5:30</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12</u>	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



8/20
37x
4100x

Observational Notes:

x₂ not on CduC chart & same mag
as A = 10.6 which is close

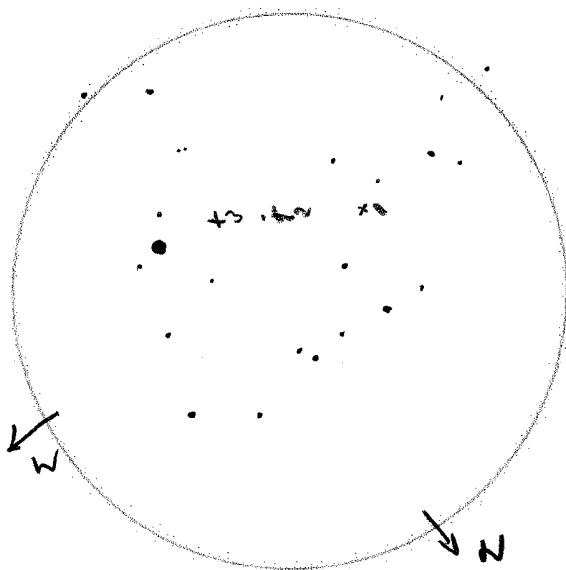


8/27
51505
easy
12" 37x



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 48 Dons	Position: RA:
Observer: B. Young	Dec:
Location: OT	Apparent Visual Magnitude:
Date: 9/25/11 Time: 4:02 UT	Comparison Star Sequence:
Instrument: XT-12 37x	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



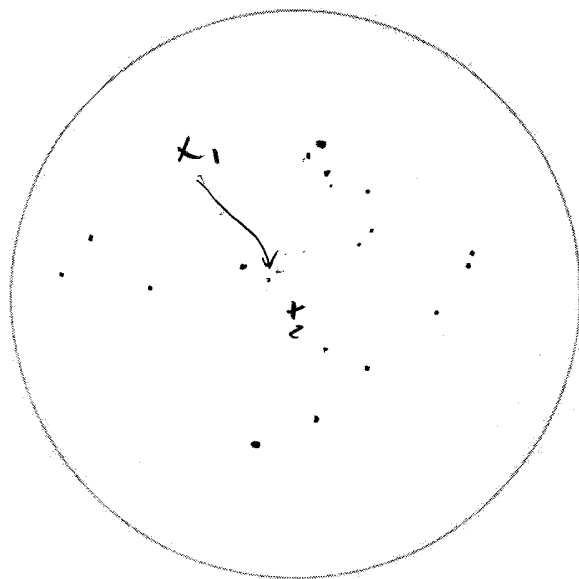
$X_2 = 9/26/11 \ 7:10 \text{ UT}$
 $X_3 = 9/27/11 \ 8:02 \text{ UT}$

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 451 Patientia	Position: RA:
Observer: B. Young	Dec:
Location: OUE-TEX	Apparent Visual Magnitude:
Date: 9/27/11 Time: 8:45 UT	Comparison Star Sequence:
Instrument: XT-12 37X	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



X₂ = 9/28/11 5:00 UT

Observational Notes: AFTER SEARCHING WROTE FIELD
FOR 3 NIGHTS!



A hand-drawn diagram of a circular system. Inside the circle, there are several small dots representing components. Two specific components are labeled x_1 and x_2 . x_2 has a downward-pointing arrow next to it. Outside the circle, there are three arrows representing external forces or inputs: one labeled w pointing left from the left edge, one labeled z pointing down from the bottom edge, and one labeled e pointing right from the right edge.

DETAIL

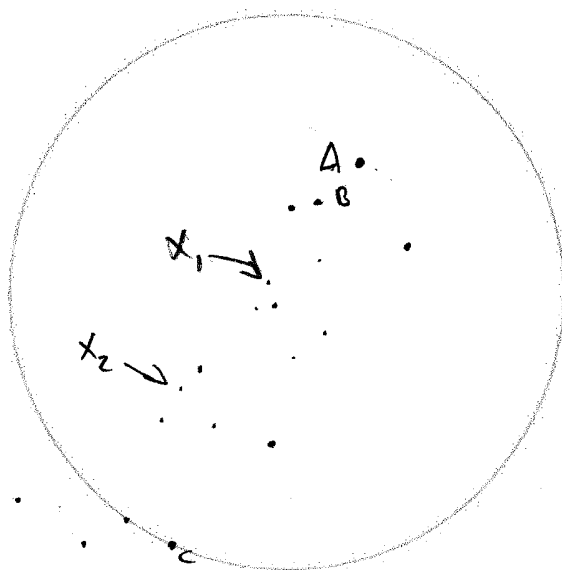
x

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 109 Felicitas	Position: RA:
Observer: B. Young	Dec:
Location: RMCC/Home	Apparent Visual Magnitude: 11
Date: 12/17/11 12/18/11 Time: 2:45 3:45 UT	Comparison Star Sequence:
Instrument: XT-12 24mm	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

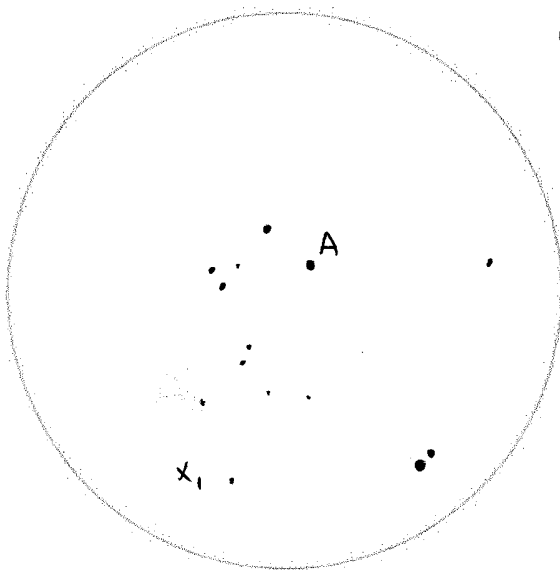


Observational Notes: Easy to track - nice field



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 115 THYRA	Position: RA:
Observer: B Young	Dec:
Location: TULSA	Apparent Visual Magnitude: 9 1/2
Date: 11/10/11 Time: 3:15 UT	Comparison Star Sequence:
Instrument: XT-12 24mm ET	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: FIELD OF DBL

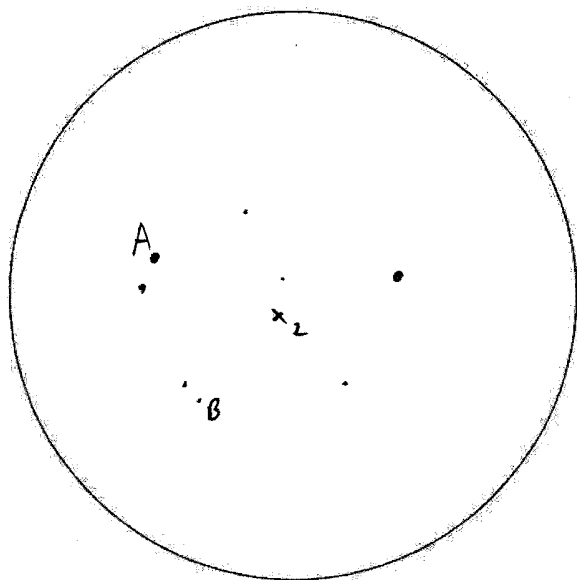
only 1 seen 12/18/11 - Gone ^{x1}

2:25 UT



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 115 THYRA	Position: RA:
Observer: B. Young	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/18/11 Time: 2:35 UT	Comparison Star Sequence:
Instrument: XT-12 24mm	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

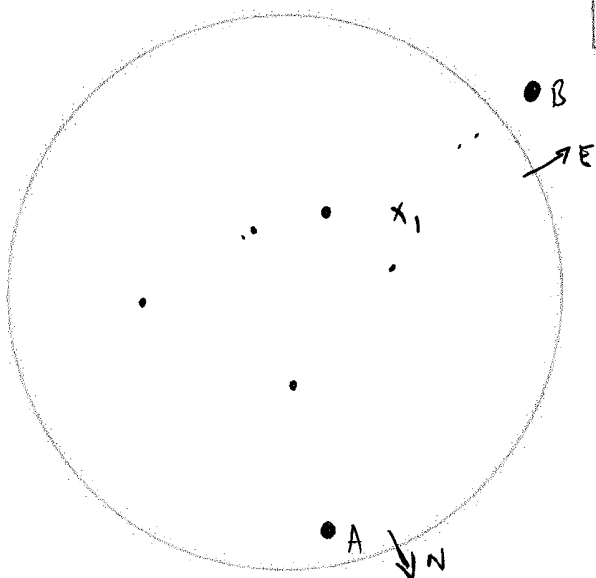


Observational Notes: still bright!



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 230 ATHAMANTIS	Position: RA:
Observer: B. YOUNG	Dec:
Location: TULSA	Apparent Visual Magnitude: 10 1/2
Date: 11/10/11 Time: 2:30 UT	Comparison Star Sequence:
Instrument: XT-12 24mm EP	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



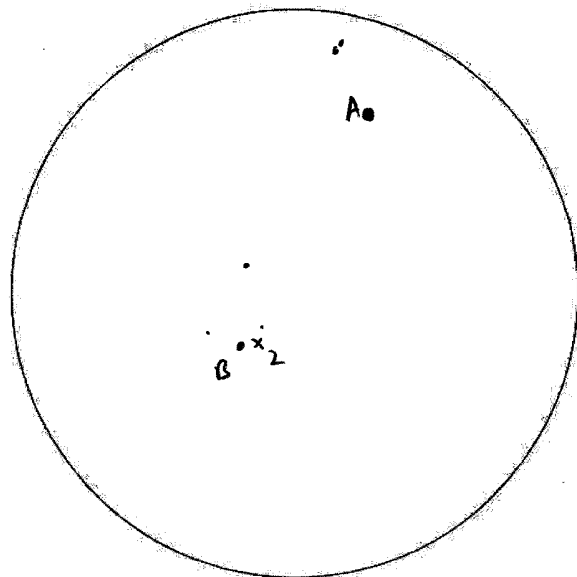
Observational Notes: See chart for "A" "B"

X, gone 12/18/11
2:00 hr



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 230 ATHAMANDS	Position: RA:
Observer: B. Younk	Dec:
Location: Home	Apparent Visual Magnitude:
Date: 12/18/11 Time: 2:10 UT	Comparison Star Sequence:
Instrument: XT-12 24mm	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:

Easy



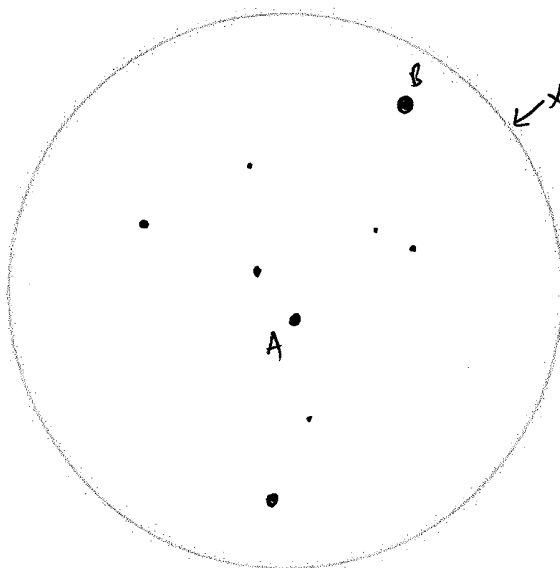
A hand-drawn diagram of a circle. Inside the circle, there are several points marked with dots. One point on the right boundary of the circle is labeled x_2 with an arrow pointing to it. Another point inside the circle is labeled 'A'.

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 31 EUPHROSINE	Position: RA:
Observer: B YOUNG	Dec:
Location: TULSA	Apparent Visual Magnitude: 11
Date: 11/10/11 Time: 2:50 UT	Comparison Star Sequence:
Instrument: XT-12 2x24mm EP	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes: MOON LOW SOUTH IN BTM HALF OF FIELD



Position: RA:

Dec:

Apparent Visual Magnitude:

Comparison Star Sequence:

Star 1.

Star 2.

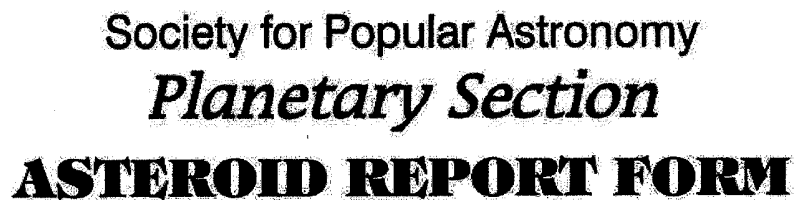
Star 3.

Class

Comment:

Ref (Atlas/Catalogue):

[illegible]



A diagram of a circular body. A horizontal line passes through the center. Point A is on the left side of the horizontal line, and point B is slightly above it. Point C is on the right side of the horizontal line. A point labeled X_1 is located above the horizontal line, with a downward arrow pointing to it. A force vector W is shown as an arrow pointing left from the left edge of the circle. A force vector N is shown as an arrow pointing down from the bottom edge of the circle.

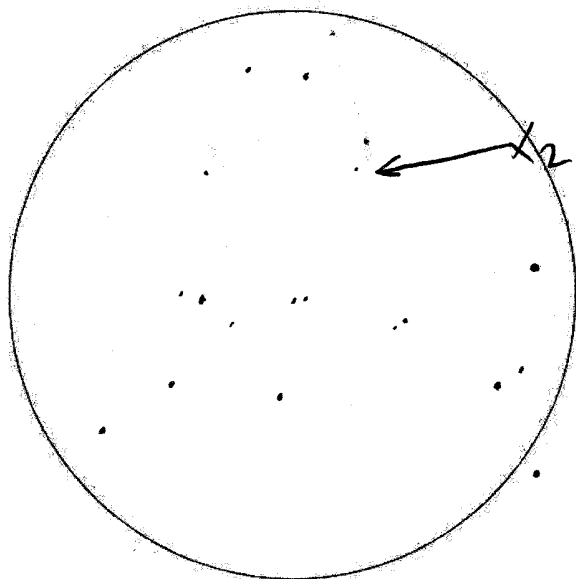
x₁ gone 12/25
5:48 PM

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 80 SAPPHO	Position: RA:
Observer: B. YOUNG	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/25/11 Time: 6:00 UT	Comparison Star Sequence:
Instrument: XT-12 2x29mm	Star 1.
	Star 2.
	Star 3.
	Class:
	Comment:
	Ref (Atlas/Catalogue):

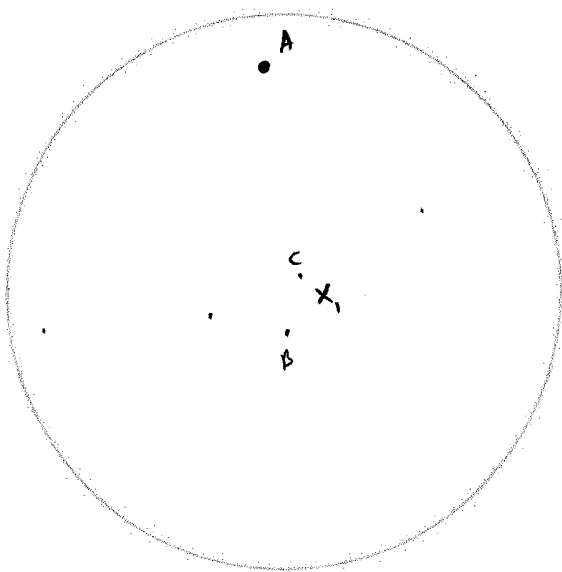


Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 270 ANAHITA	Position: RA:
Observer: B YOUNG	Dec:
Location: TULSA	Apparent Visual Magnitude: 10
Date: 11/10/11 Time: 4:20 UT	Comparison Star Sequence:
Instrument: XT-12 2x24mm EP	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



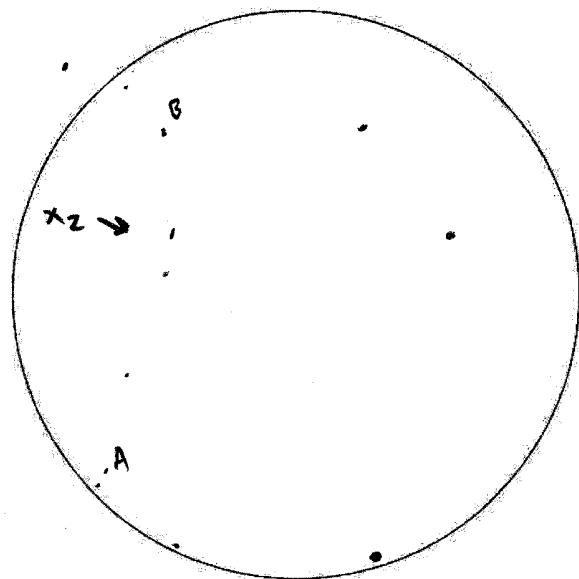
X. 9.9
12/10 6:16 AM

Observational Notes: = B & C



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 270 ANAHITA	Position: RA:
Observer: B YOUNG	Dec:
Location: HOME	Apparent Visual Magnitude:
Date: 12/25/11 Time: 6:25 UT	Comparison Star Sequence:
Instrument: XT-12 2X24mm EP	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:



Position: RA:

Dec:

Apparent Visual Magnitude:

Comparison Star Sequence:

Star 1.

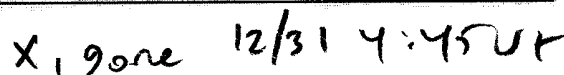
Star 2.

Star 3.

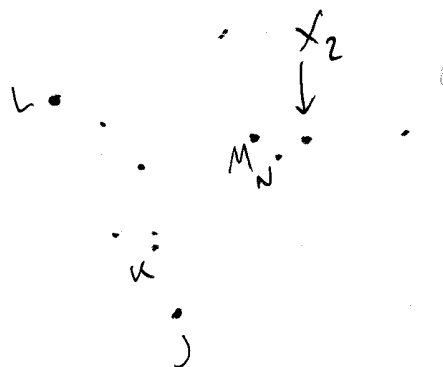
Class

Comment:

Ref (Atlas/Catalogue):



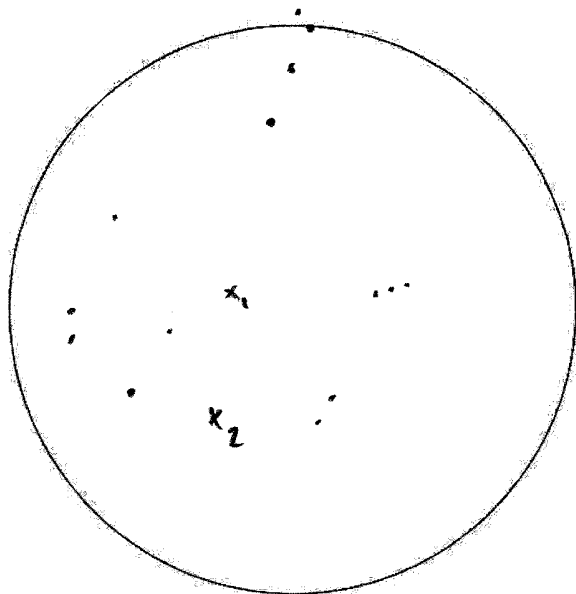
12/31 4:50 PM

**Observational Notes:**[illegible]



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 116 SIRONA	Position: RA:
Observer: B. Young	Dec:
Location: T2	Apparent Visual Magnitude: ~11.5
Date: 3/24/12 Time: 4:00 UT	Comparison Star Sequence:
Instrument: XT-12 24mm	Star 1.
6:55 UT	Star 2.
3/25/12	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



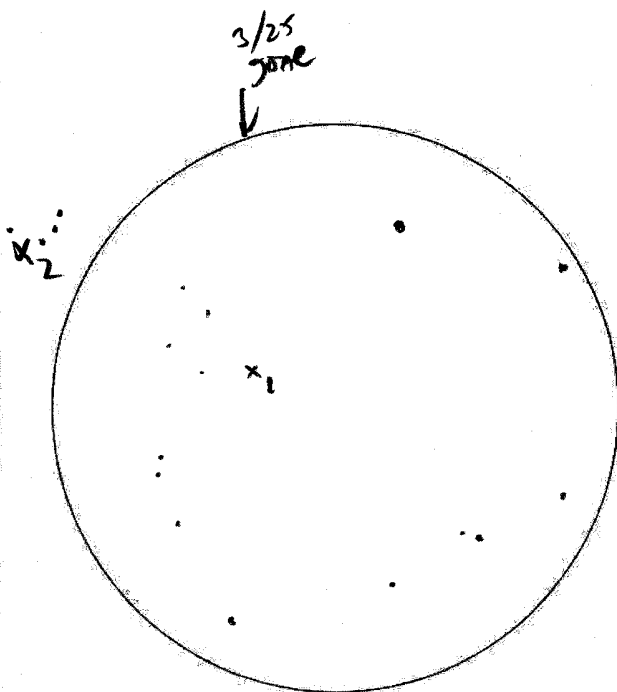
Observational Notes: 62x EASY TO SEE IT
MOVED WITH BUSY FIELD



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 760 MASSINGA	Position: RA:
Observer: B. YOUNG	Dec:
Location: FZ	Apparent Visual Magnitude: ~11
Date: 3/24/12 Time: 3:57 UT	Comparison Star Sequence:
Instrument: XT-12 24mm	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

$x_2 = 6:45\text{hr}$
3/25/12



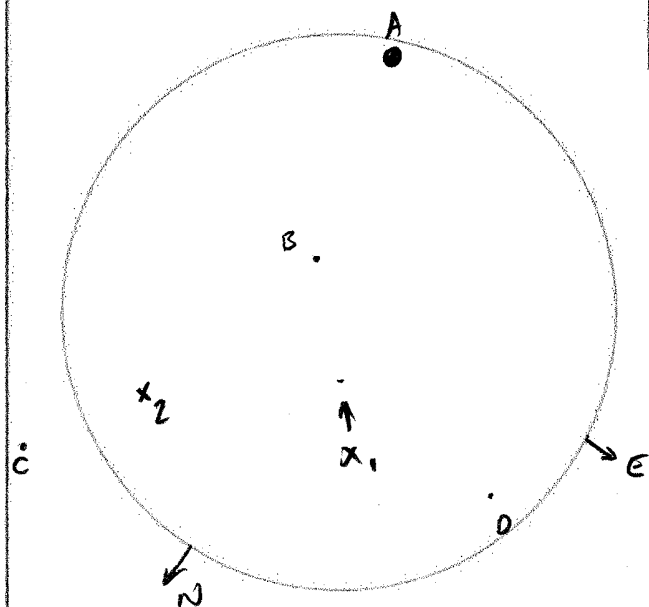
62x easy view

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 138 TOLosa	Position: RA:
Observer: B. YOUNG	Dec:
Location: T1	Apparent Visual Magnitude: ~11
Date: 6/8/12 Time: 6:15 UT	Comparison Star Sequence:
Instrument: XT-12 2x24	Star 1.
6/9/12 5:00	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



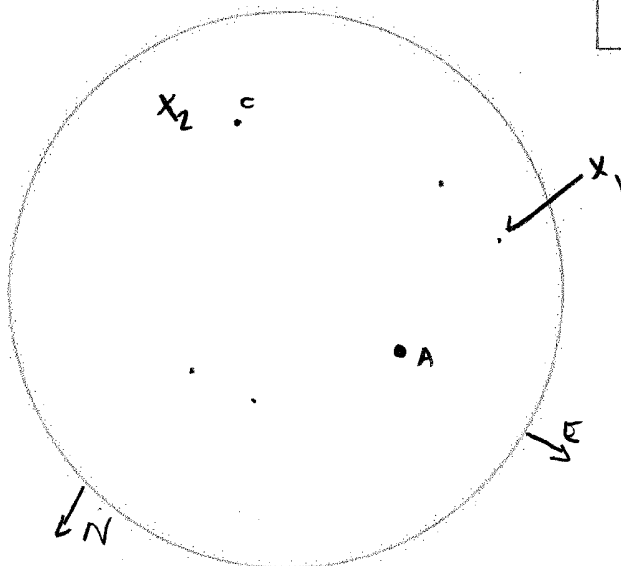
Easy in blank field

Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: 596 Scheila	Position: RA:
Observer: B. Young	Dec:
Location: T1	Apparent Visual Magnitude: 12
Date: 6/8/12 Time: 5:40 UT	Comparison Star Sequence:
Instrument: XT-12 2x24	Star 1.
	Star 2.
	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):

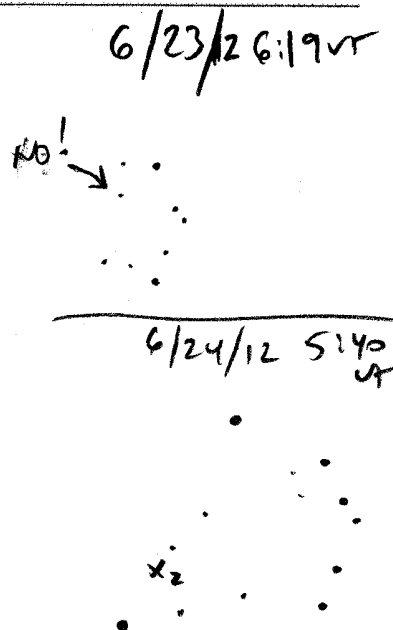
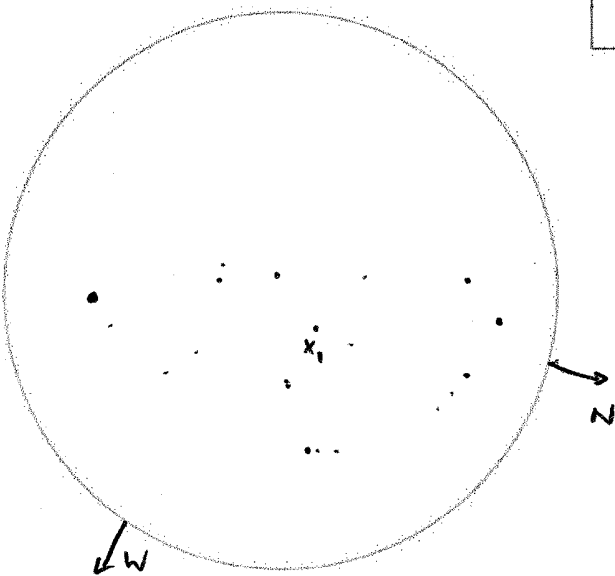


Observational Notes:



Society for Popular Astronomy
Planetary Section
ASTEROID REPORT FORM

Asteroid: <u>67 ASIA</u>	Position: RA:
Observer:	Dec:
Location: <u>HUALA</u>	Apparent Visual Magnitude:
Date: <u>6/10/12</u> Time: <u>5:35</u> UT	Comparison Star Sequence:
Instrument: <u>XT-12 24mm</u>	Star 1.
<u>X₁ gone 6/23/12</u>	Star 2.
<u>6:11 UT</u>	Star 3.
	Class
	Comment:
	Ref (Atlas/Catalogue):



Observational Notes:

Verified w/ Cartes du Ciel ↗