

7/6/78 JWM 2045-0100

S-6 observ

Venus, Saturn, M13, M57, M81

7/7/78 Polaris, Rigel, Alcor, Ring Nebula, Elyra, M13, Uranus, M1

Op. time - Jan 2 P 7-12:30

7/8 Who knows? ↑ Bad night ~ 20 people

H. Wallace 8:30-12:30

7/10/78 JWM (2100-2400)

S-5, S-5 telescope instrument + projects

28 people, 12 for projects

7/1/78 JWM Check outs (2115-0130)

Skip Blumhail

7/11/78 Check out for Astronomy S-6

John Tomlinson

Stuger Watkins

Bill Barker

Ted Raab

Rebecca Slika

Tanyo Ravicz

Kevin Hendricks

7/12/78 1AM TO 4:15 AM

John Tomlinson & Rebecca Slinka

Objects viewed Vega, Aquilae, M13, Assorted

Random stars and an attempt at Mizar/Alcor

7/2/78 JWM (2000) - 0230

7/12/78 ← Odet R. Shri

7/12/78 ← Carol Freund

9:30 TO 1:00
7/12/78 M13, RING NEBULA, SATURN, Venus, Vega, Assorted

↳ other stars. WATCHED MOON SET

John Tomlinson, Tanya, Kevin

Shana Kelly

R. Turpin, P. Jarvis, H. Blume

John Mickle

Rocky - sorry, but those paddle
lights are far to bright
John

7/13/78 7:00 PM TO

OPENED BY TED RAAB

MOON, VENUS,

7/13/78 JUM (2140 - 0130)

instruction:

plates: Janie

checkouts: B. Lowe

P. Chin

A. Quinter

T. Campbell-Jackson

E. Doff

Ken Segel

7/14/78 JUM 500 - 1615

getty supplies et al etc

7/5th/78 R. TURRIN READING GEN INST MANUAL

FAMILIARIZED
MYSELF WITH
PHOTOG SEC EQUI

JOHN M. WHERE IS THE ASTRO TUNG?

7/17/78 JUM (2010 - 2400)

instr 5-5 Abby Krim (telescope) et al
+ Richard Turin

Jarvis

7/18/78 Kevin + TANYO - ASTRO 5-5 PHOTOGRAPHY

7/18/78 Abby + Rebecca plus a friend

general observing

Ken Segel, John Tomlinson

Kevin & TANYO

7/18/78 JWM (0900 - 2400)

- 7/19/78 Blumthal (0430 - 0520)

w/ Gard Little & Raymond DiPrunzio

7/19/78 JWM (0900 -

7/20/78 Blumthal (0120) - 0410)

(w/ Ray DiPrunzio, Dave Bugliarello, Rick Pastor
from 0200 - 0220)

7/20/78 2130 Rebecca Slivka open it up

7/20/78 JOHN, I CAME BY AROUND 9:30 PM

TO TALK TO YOU ABOUT LEARNING TO USE

THE TELESCOPE. DO YOU STILL REMEMBER ME?

I CAME BY HERE EARLIER, JUST BEFORE

SUMMER SCHOOL ASTRONOMY CLASSES STARTED

TO USE THE TELESCOPE. I AM SORRY THAT

I DON'T HAVE A PHONE # TO GIVE YOU.

I WILL COME BACK SOON.

BRUCE PENNIPACKER #16

I undamped the Dec at one point and the circuit breaker
blew. None of the switches worked and the motor and lights
went out. I turned the circuit breaker back on (all the way
off first) and everything was fine. 15

plate taken of ~~what~~

7/20/78 Janie P. ~~realigned~~ realigned δ setting circle - off by $\sim 3^\circ$

Fred Donovan & Mike Peters may use telescope. Took plate of 50° C₂₂.
7/20/78 12:42 A.M. - 1:42 A.M. part of plate appears to be not exposed

D. Chin and A. Quintero

~~observed~~ ~~observed~~
Moon ~~ed~~ observation and general sky gazing

7/21/78 Janie P. Open house 9:30 - 12:00

2 Lyr, \sim full moon + some random stars

tried M4, M13, M57, etc, but sky too hazy

\sim 50 people came.

JUN 0000 - 0100

7/22/78 Ken Segel Astro S-S Project

Photography of moon 1:00 - 2:30 am

~~xxxxxxxxxx~~

R.A. AXIS won't unclamp

fixed - not your fault
it ~~is~~ came loose on its own!
JUN

7/22/8:30 pm John, contact Phil about using the plate camera, please.

Abby

P.S. Thank you for getting the negative sleeves

John - as was already stated, the R.A. was
undamped - and the declination is not clamped
it moves when clamped. R.S.

out at 9:15 pm

7/23/78 JUM (~~2000-2115~~)
fixed RA clamp

7/23/78 Rebecca Slinka (21:35 - 21:50)
lightning & thunder so it left

7/24/78 JUM (1700 - 1830) repairs w/ Prodo
(2000 - 0200)

Rebecca Slinka = plate of δ Cephei 1:45 - 1:50

7/25/78 2:00 am till 2:30 Eyepiece
Projection of moon Kevin Hendricks
S-5 Project. Tanya Rawicz

John: about one third of the plate was
unexposed ~~at~~ at the same place as the last one.
I can still use it, but can you check out the
camera? Rebecca Slinka

0215 to 0240 Blumenthal

John: sorry about this but the R.A. clamp is not doing its thing. (as per phone call). Deepest sympathy - skip

7/25/78 JUM (1400-1600)
RA clamp work

Note: it is OK to use the telescope but the RA will not clamp!
JUM

7/25/78 Rebecca (19:30 - 03:10)
inspected plate taken last night. took plate 0Cap

7/25/78 JUM (2030 - 0240)
checkouts: ~~near bottom~~
Raymond DiPrinzi
Eric House
Carol Chin

7/25/78 R. TURPIN 2:30 in 8:00 out
M-13 PHOTOGRAPHY PRIME FOCUS FWALCY
CLOUPED OUT BUMMER!

7/26/78 Jarner - variable stars photographed
Jim Long - FF Aql. , Mike Peters - RR Lyrae
Rebecca Slivka - δ Cep.

7/26/78 Rebecca (19:30 - 23:00) plate of δ Cep

7/26-27/78 JWM (0830 - ⁰³⁰⁰0230)

7/26-27/78 P & HB (2300 - 0200)

7/27/78 Rebecca Slivka -

In at 1915

Did some home work. Am waiting for the possibility
of taking the 4B plate in a row.

Took pictures of Venus - ~~at~~ 21:05

down in darkroom - back up again

A janitor is looking in to see about the elevator

John →

RA clamp is not working - again. It clamps a little,
but not much. It sounds okay - just won't work.

Don't clamp or unclamp the K.A.

Use it as it is.

RS (with authority from John)
5/27/79

7/27/78 M Peters in at 9:30. Proceeded to observe celestial sphere (mainly Venus) - was in crescent form. Quite spectacular. Observed it was green and round. After this, I desisted from further observations due to intervening gaseous clouds. I speculate they contain large amounts of H_2O in vapor state.

Out at 23:30 to see darkroom

7/27/78 JNM (23:15 -
N.A. works

7/28/78 Rebecca Sinks 1910

did work out → will attempt Venus again - also ~~Mars~~ & Cepheus
took plate of δ Cep - ~~23:47~~ 23:47 - 23:52

left plate in box
in refrigerator undeveloped
to be developed tomorrow morning
= water, 3 too hot

Janie came in around 20:45

looked at Mizar/Alcor, Uranus,

people showed up

Janie P. Open house 9-2

Mizar Alcor, Uranus, M13, M57, ϵ Lyra, β Cyg

M31, M15

70-80 people came

Jim Long may use the telescope - JP.

II, etc

J. Long Took plate # RM-101 did not develop.
sky was rapidly getting cloudy (hazy).
closed up at 1:50.

7/28/78

Who are you?
7:00 AM

Tried to take Lunar photographs
Bracketed from $\frac{1}{8}^{\text{th}}$ sec to $\frac{1}{125}$

closed up at 5:30 AM Shot 3 rolls tri-X 135

7/30/78

~~Wade~~ Rebecca Oliva 18:30-

studying. I hope to try and get venus. I'd also
like to take another plate.

John-

Is there anything you can do about
the temperature of the water in the
darkroom? I didn't develop my plate Friday
because it was too hot and all day yesterday
it was the same. I developed it anyway,
but can you control the temperature in
some way?

RS: sorry, but not
much can be done
about the water temp
see note on page 1

RS

The sky is
very
clear

Got Venus at 8:45 pm - and developed them

7/30/78 Kevin & Tanya
eyepiece projection venus
& uranus we are hot!!
10:00 Pm

RS. Plate of scap at 23:20-25

Janie P. - Open House Sat 7/29 cancelled due to clouds

RS. out at 23:45 to develop plate

7/31/78 Rebecca 03:00

I am waiting for the moon - It came out!!
used 1 roll Tri-X. The Sunrise was Beautiful.

out at 5:30

JWM

note to users of darkroom

unfortunately for the users of the darkroom
the building air conditioning plant goes
off about 5pm (however, if it were
left on at night the columns of waste
heat & steam would render the telescope
almost useless, so we are really coming
cont →

out ahead.)

Suggestions:

1) 35 mm film people may be advised to ~~take~~ develop their films during the day -- the keys can be obtained from the ground floor administration office.

2) plate people are strongly urged to develop their plates immediately --- but

a) if the temperature of the solutions in the tanks exceeds 80°F forget it, put your plate in an empty box (with its RM number written on the plate) and ~~put~~ tape the box closed and leave it with your name on the tape in the fridge.

b) ~~water~~ running water temp must be close to tank water temp (not ~~specifically~~ necessarily 62°). The important thing is to avoid major temperature changes during

development. Cambridge city water ~~is~~ rarely exceeds 55°F so running the tap for a while (i.e.: turn it on & test it when you load the ~~of~~ plate), maybe even an hour or so, may be the solution. If you are still having ~~the~~ problems, speak to me.

Also: keep the 804 lab door closed (i.e. locked) at all times when you are working in the darkroom.
This is very important both for temperature control & security.

Another thing to keep the temperature down in the dark room is to have ~~the~~ door open when possible (e.g. develop 35 mm films).

7/31/78 JWM

7/31/78 - Midnight

John Michle :

I came up to re-acquaint
myself with the facilities,
~~too~~ cloudy for useful
viewing

12:15

8-1-78 Benjamin Lowe 10:00

I came to check out the photography
equipment and also the books on the
work table. Too cloudy for observation

Question: ~~where is the Astro tube?~~ ← I found it

12:10

R + J...
... FOR BREAK IN CLOUDS

Rebecca Singer in at 8:45 - out at 9:52
too many clouds bye!!

8-2-78 12:00 Benjamin Lowe

Just a look around. I want to
~~look at~~ try out the camera equipment

Sky Cloudy Left 1:05
nothing could be seen

8/4/78

Hazy too ~~cloudy~~ cloudy to see anything
~ 6 people 10 - 11:30 - Hilary

8/5/78

13:35

Rebecca

I found telescope with lens caps on but motor
not off. It ~~was~~ doesn't seem to have any damage.
It was stored on the east side of the pier so
it hadn't run into it yet. Whew!!

P.S. I am glad to see you have a wire on the counterweight
out at 15:10

Aug. 6, 78

1:30 PM Tom Campbell Jackson

Came to take picture of
Cambridge from roof. Telescope
had been left on (motor + lights)
I saw it had hit the
mount. I turned it off
and moved it slightly away.
Read my Note.
Out at 1:45 PM

Aug. 6 4:15 I came up to
show the facility to a few
friends & invite

4:30 John Mickle

Aug 6 5:45 Came to show telescope
to ~~my~~ brother. Dye.
Paige Kelley

5:55

Aug 6. 1:30 Came to look at plate
cloudy J. Long 1:45-out.

8/8/78 JWM (~~2:00~~) 0130

8/9/78 Mike Peter Took plate of RR Lyra
2:30 crossed up at 3:00

1:50 J. Long Took Plate But
holder Fell out and hit me on
head. afraid it was exposed.

8/9/78 Kevin moon photo

8/9/78

Rebecca

— in a 1950—

took pic's of Luna
out finally at 23:30

2/9/78 JUM (2100 - 2400)

motor drive broken

problems w/ small
transfer gear box's top
shaft (ie: frozen)

SORRY, FOLKS

DO NOT USE

TELESCOPE

TONIGHT

8/10/78 Kevin Hendricks

prime focus M13

8/10/78 JUM (2000 - 0110)

drive partially repaired

the transfer gear box's (small) top

axel was frozen - Charlie Hughes
fixed it. Problem ~~remains~~ remains w/ motor

telescope is bi-directional (sometimes sticks →) may

8-10-78 in-out (2:36 A.M.)

Benjamin Lowe

The motor was a little shabby
but it did not smoke.

Photographic plate was left on desk
by the person before me. It is most
likely exposed/ruined.

8/12/78
K. TURRIN

FOUND STEREO CABINET OPEN AND
DOME PLUG IN SOCKET

8/14/78 Kebeke

04:45 - 5:45

pictures of Jupiter

Sorry about calling you so early / late John.
I figured you would be more upset if I hadn't
asked.

8/15/78

21:32:17 - 22:02:16

TWO FRIENDS BUGGED ME TO SEE THE MOON
- TED RAAB

8/16/78 10:30 - 11:00

A Friend bugged me to
see the moon.

John Middle

8/16/78 Caught in a nostalgic
mood, I was seized by the urge to
view our beloved terrestrial companion,
the benignly auspicious Luna. In a
fit of passion, I burst out Beethoven's
Moonlight Sonata as a final Farewell
to the scope of my namesake which
served me better than a Chevy pickup.
Goodbye Harvard Yard Thanks Michael

8/17/78 Jim (~~2000~~ - 2130)

8/17/78 Benjamin Lowe 1:20 A.M.
I took some pictures of the moon. The motor drive did not work.

Out at 2:15 A.M.

8/18/78 Sturges Watkins. In @ 2:00 AM
Looked at moon. Last one out.
Out at 3:00 AM

8/18/78 Rebecca Slivka
in at 3:50 - hope to get slides (color)
and BW prints.

John - There is definitely a problem with the adapter ring - when I came in it was stuck onto the tube used for eyepiece projection. I couldn't get it off. - I believe it is now completely stripped.

The lack of drive seriously affected the outcome of my photography - namely

They are all fucked!! Well - what's \$4.00?
I didn't use the tri-x, but I had
loaded it already so I kept a note on
it informing you or whoever that it is
loaded.

Thanks for all the time you
spent helping me learn about the telescope
and astronomy in general. It's really
been fun -

Rebecca,

out at 6:00

6/18/78

10:00

John Nible

Two friends pestered me again
see the moon.

out at 11:00

Hello John - I come up here
again today - just couldn't
resist for the last time. RS. GOODBYE

8-19-78 Benjamin Lowe in 1:20 A.M.
Used Rebecca's film. There
does not seem to be a problem
with the adapter ring. It
depends on how you put it on
the camera. ~~A few~~ ^{Mary} people
dropped by to look at the moon.
out at 3:00 A.M.

8-20-78 So long. I + ~~be~~ been Sun.
Rex Young 1 am → 1:15 am.
General viewing: only moon visible due to cloud/mist.
no picture taking tonight.

8-21-78 11:20 pm → 12:30 am Rex Young
clear but unstable air.

8/23/78. JWM 1130 - 1230

Drive is now fixed.
problem was burnt out starter
winding. ~~at~~ The entire rotor assembly
was replaced by Electro Sales
in Somerville.

notes on wiring: must be wired
as blue/black pairs: ie one blue +

black wire go to hot
and one blue + one black go to
neutral. To cause the motor to
reverse direction, change
only the blue or black wires
around.

9-3-78 Hello Everyone I am back
Rafael Cabeza
6:45 p.m. Came to check out telescope
and equipment in hope of using
it tonight.
7:10 p.m. Finish check. Be back later.

9-4-78 10:23 p.m. RAFAEL CABEZA
CAME to show two freshmen the place
& see the sky. Found Altair (an easy
task) and took readings on telescope.
looked for alshain but it did not appear
as a double star. From Aquila we turned
our attention to Lyra + saw Vega. We
then attempted to spot M81 but failed.
I wished to see M31 but did not

Located ~~it~~ it. It was interesting but winter
is a better time to see the ski.

out 1:07 a.m.

P.S. Could find no chalk and the
does not work. the E-W ^{remote control} movement of
telescope does not work as well.

~~Rafael Caluya~~

9/12/78 JUM (2235) dropped by
+15

9/18/78 JUM (2200 - 2400)
+ 7½ Ariel S.
+ 1:00
+ :45

9/19/78 JUM ~~33~~ 1530 - 1600
+ 1:00 JUM 1930 - 2315

9/19/78 A.S.

19:00 - 22:00
NS9 Assistance

9/20 S. MONTH

ASTRO 8 6-7:30

NS 9 7:30-

VEGA $14^h 24^{min}$ ~~ARL~~ $41^{\circ} 58'$

9/20/78 JWM (2030 - 22~~30~~⁴⁵)

add to list: Rich Kremer

JWM

F. Jimal Ragep

JWM

STEVE - LEFT AT 11:30

19:20 - 20:40

Amiel, John, Phil

Staff meeting

+2:15

add to list

Gordon Emslie

JWM

JUN (1915-0108)
STEVE & JOHN - DREW HOBBS

9/23 ~~ADD~~

ROBERT ABEDON

John H. Heimann

Steve BURKE

Matt Garrigue

Michael O'Friel

+ 15

to learn

498-36

8-3941

332-5822

8-3576

8-3941

CLOSED UP - 1:15 A.M.

9/25/78

P. Duthy

Nat. Sci 9 (8' friends) observing

+2

9/26/78 Amiel (layout 2100)

1900-

ASTRO 8 BZ.

JUN (7:30-9:30)

Janet P. Astro 8 observing 8-11

9/27/78 1500 JUN

+30

9/28/78 Nat Sci 9 observing 8-11 Janet Rager

38
+1
26

9/28/78 Mark Ravenscroft 12:20
- did not see much
Jimm A & meety Pratt +2:30

9/28/78

9/29/78 STEVE - PHIL OPEN HOUSE

7:30 - 12:30

9/30/78 STEVE + AMIEL OPEN HOUSE
CLOUDED UP AT 9:30

7:30-9:30

10/4/78 JMM 159 9-10:30 pm

10/11/78 JMM project people @ 2:00 -
Mike Kilkelly
Kristin Lindsey
Barbara Klein
Plus 2 visitors

10/12/78 P. Doffy 1st Nov. Sci. 7

Problems

1. Drive sometimes causes severe telescope wobble. (Most of the time not.)
2. One of the dec relays sticks sometimes
3. Short circuit or loose connection in cord which powers roof rotation motor.

Nov Sci 7 saw Alxon $H\beta$ / Pers,
M57, M31, Vega, Mizar

NOTE: THERE IS NO FILM DOWNSTAIRS!

John : A freshman,
Brian Litz
8-3853

wants to work for us. He
seems like a pretty cool guy.
I said you'd call him soon.

10/13/78 Steve & Phil Open House

Cloudy, but can still see moon.
Not many people.

10/14/78 12:33 am, Rafael Cabeza
+ 3 strange women

(This place is great for ~~the~~)
Came to see the moon + see how
the place was doing. We saw a
mountain range.

1:15 a.m.

10/15/78 JUM (1800 - 0030)

instruction for Kristin Lindsey MS7

Mike Koltolly A8

Barbara Klein A8

Sarah Johnson, met w/ Anne ^{Proctor}

looked at moons, MS7

~8 visitors

10/17/78 JUM (1930 - 2300)

A-8 Open house w/ Mike Steppa

~50 people M13, MS7, Moon

4' on roof at Moon 8-10

10/18/78 10:00 - 10:20

Amiel Tomy generalise

10/20/78 Adam - in at 1930

Open House

Albino, h, x Per, E_{1,2} Lysae (double-double)
Moon.

Adam out @ 2300 - Steve still here...

TILL 3:15 AM

10/20/78 11:00 PM Terry Hansen A 8
- 3:00 AM looked at moon
& Jupiter, took pictures

GOOD ↗

10/21/78 7:00-10:00
OPEN HOUSE then Haze
~~Amiel~~ Amiel

10/21/78 12:00-12:30 J. Howard looked at moon

10/22/78 JWM (22:30 - 0415)

Barbara Klein A8 instructor -

partly cloudy - pass of M42 (0100 hours)

0100 → Kristan L, Bill Cronm - Jupiter, P. Urse Major

10/24/78 2:30 ³⁰⁰ BC
took pictures of Jup.

10/24 7:00-8:00
Teaching Telescope
Armed

10/24/78 Sun 2000 - 2300 (w/ Sarah)
abortive A-8 open house
instruction for K Unkeby, Dan Alerant

10/25/78
Phil Duffy & Belinda Marzneau

10/27 Phil Duffy & John Mackenty
Open House ~50 people

[Winston Tao 8-3822
wants to learn to use
telescope]

10/27 Terry Hansen
12:00 - 2:00 AM
Pictures of Jupiter

Jum (0100 - 0230)
2:30 - 3:30 BC pictures of Jupiter

10/28 Mark Hostettes
3:00 - 5:15 AM CLEAR
Pix of Jupiter, Saturn

10/28/78 Jum 2000 - 0000)
Open house M57, M31, hix Pans, M42,
Alberis -
~30 people - partly cloudy

300 BC pictures of Jup. & Alcor-Mizar

10/29/78 12:45 ^{-1:30} BC pictures of Jup. between clouds

10/30/78 12:20 ^{-1:15} BC pictures of Jup & Alcor-Mizar

10/31/78 2:00 - 3:00 AM molt pix of Jupiter, Saturn

NO MORE FILM DOWNSTAIRS!

10/31/78

11:00 PM - 12:00

Mike Kilkelly

Orion Nebula

12:00 ^{11:00}

BC

pictures of Jup. & Alcor/Mizar

10/31/78 JUM 2345 - 0015

loaded film, checked on breakdown
in padab

11/1/78 JUM

1700 - 1800

dropped by

Jum 2115 - 0015

11/1/78

Mike Kilkelly

Orion again

~ 9:30 PM - 12:10 A.M.

2:00 - 2:30 BC Pictures of Jup. & Alcor-M

11/1/78

Terry Hansen

Pictures of Jup

2:00 - 3:00 AM

11/1 P. Duffy & Belinda Martineau.

Photographed Pleiades

11/2 P. Duffy & Nick Christakos

Photographed Pleiades again


11/2 P. Duffy & Edith

took plate of Pleiades
w/ lenscap on!

11/2/78 BC 11:50-12:20 pictures of Jup. & Alcor Mizar

11/2/78 Terry Hansen 1:00 - 1:50
Pictures Jupiter

11/3 Adam - Open House (- @ 1930)
 many people (> 50)
 A'lineo, h&v series, A42
 Dyl (dwarf companion)
 ↳ great c deep red filter)
 Jupiter off 2300
 out @ 2400.

11/3 Terry H. 12:30 - 4:30 - 
 Jupiter Pictures
 SUM 0030 - 0100

1- 1:30 BC Pictures of Jup. & Alcor-Mizar

11/3 Kelco Kaapm 2:30 - 5:00 part of 5
 after 5 shots camera wouldn't admit
 image - don't know what was wrong
 didn't get it fixed.

Woody -
 you can't
 use the
 "T" setting
 because
 it's
 broken
 to
 fix it

11/4- JOHN, CHECKED OUT ROOM 8:30AM-O.K.
IS WOODY DOING A PROJECT
OR NOT ?

← - STEVE

11/5/78 JUM 1845 - 1945

NS9 instruction - Kristen Linsley

✓ Mackenzy, Duffy, Johnson & Sternberg
Staff Meeting 8 PM to 10

11/6 JUM 1500 dropped by, fix light crossbars
on fender

11/6 Amiel

11/6 Terry H 6:30 - 8:00
pictures of moon

11/6 JUM 1930 - 2100
David Kleeman (AS) instructs proofman

Sarah
Janre

11/6-7/78 JUM (2200 - 0500)

BC 2200-500 Pictures of Mizar-Alcor
& Jupiter's moons (1 eclipse, & half an
occultation), took 6 rolls of TRI-X

Kristan 2200-02430 same as above
[Note: According to the Ephemeris, this was the only observable eclipse
of Jupiter's moons the whole year! Except for Dec. 1...]

11/7/78 AMIEL 16:30 - 18:00

Dark room work

Some improvements made on sliding chair.
Camera.

11/8/78 David Kleeman - Darkroom developing

11/8/78 AMIEL 19:00 - 22:30

Mark + Terry projects etc.
0130-250 BC pictures of Jupiter between clouds
also Mizar-Alcor

11/9/78 Terry Hansen 5:45 - 6:45
pictures of moon

11/9/78 Mark Matthews 19:00 - 22:00 pictures of M13
H & X Pers

11/9/78 JMM 2045 - 2400 +

instructor: Edith Scott, Mike Kilkelly, Barb Klein

11/9/78 1 - 2 pm Steven Lee
looked at M31

11/10/78 12:01 am N.T. Christakos + D. Kleeman
↓
1:45 Telescope and darkroom

1230 - 100 BC pictures of Jupiter & Mizar-Alcor

11/10/78 4:00 AM - 6:00 AM Terry Hansen
pictures of Saturn +
developing

11/10/78 - STEVE & RALPH
6:00 - 7:20

CLOUDED UP - NO OPEN HSE.

H. from Janie Po Rachel

JMM 2205

(10/11) 0210 - 320 BC pictures of Jupiter despite atmospheric obscuriness

11-11-78

Nick Christakos, 12:30 pm - 1:30 pm
Darkroom

11/11

Alan @ 905 Open House
- File cabinet - good room

11/11

Mark Matthews 19:00-20:00 Darkroom

MOON

nothing else, just the moon.

at @ 22:45

(11-12) 0315-355 BC Pictures of Jupiter
despite heavy cloud cover

11/12

Mark Matthews 18:00 - 22:45 pictures of M13, M31, H&K Pers darkroom

21:00 - 23:40 BC Darkroom + Pictures of Jup. & Mizar Alcor

11/12

Mark Hesteth clear

2 - 3:30 am Pix of Jupiter, Saturn, M52

11/12

1:00 - 1:45 AM developed film
room in

12:30 AM 1500

11/13 Mark Matthews 19:30 - 20:15 dark room
great ss.

11/14 12:30 - 14:30

Dark Room; clean up, mixed new
chemicals, rolled film etc.

AMIEL

11/15/78 sum 1500

11/16 Mike Kilkelly 8 - 9:30

M57

~~R.A.~~ R.A. doesn't clamp!

11/16 sum 2000

11/16 David Kleeman 9:30 -

Pictures of moon, despite R.A.

11/16 Edith Scott 10:00 - 12:00

Asteroid Bamberga: Today

Look good plate

2030 - 2230

11/16 BC ~~830-1030~~ Darkroom

2230 - 2350

Pictures of Jupiter & Mizar Alcor

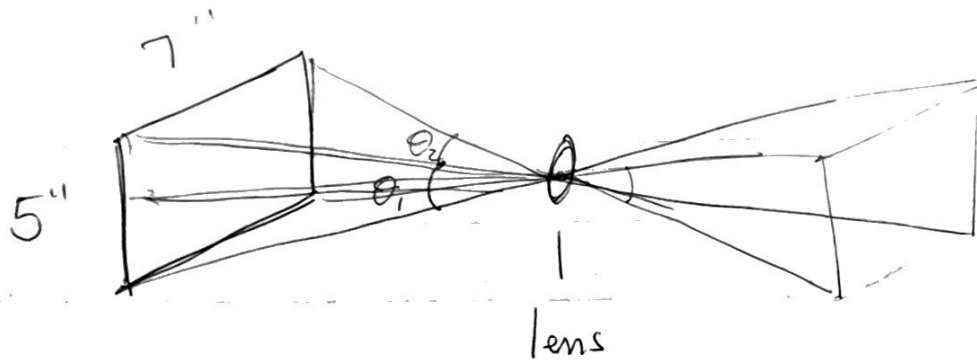
RA: 2^h 26^{min}

Dec: 38¹/₂°

sum 2340

P. Duffy adjusted R.A. clamp mech. OK now.

Field of View of Ross Camera



← 23" →

$$\text{Field of view} = \theta_1 \times \theta_2$$

where $\sin \theta_1 = \frac{2.5}{23} \approx .109$

$$\sin \theta_2 = \frac{3.5}{23}$$

11/17 RALPH RODRIGUEZ

12:45_{AM} - 1:50 AM

OBSERVE JUPITER & TAKE PIX

11/17 Terry Hansen

3:00 → 3:45 AM

Jup + Sat, but too much atmospheric movement so just shot 1 roll film

3:45 - 5:00 AM developed

11-17 Nick Christaker and David Kleeman
in Darkroom 2:00 - 2:45

11-17 Edith Scott Darkroom/ 3:15 - ~~4:15~~
+ Star Charts

11/17/2010
10:10
73

11/17 Terry Hansen
7:10 - 10:40 pm. darkroom

11/18 Terry Hansen
12:30 - 1:00 pm darkroom

11/18 John Finlayson 12:30 - 1:00 PM
8-3754 - Interested in learning how to
use telescope.

↑
* * *

I got you a recruit John,
so act on it please!

11/18/78. P. Duffy, open house.

Capella $5^h 13^m$ 46°

$$\begin{array}{r} 22^h 05^m \\ 5^m 13^m \\ \hline 16^h 52^m \end{array}$$

H ξ Perseus $2^h 19^m$

$$\begin{array}{r} 2^h 19^m \\ 16^h 52^m \\ \hline 18^h 71^m \\ \hline 19^h 11^m \end{array} + 56^\circ 53' \text{ dec.}$$

Pleiades: $3^h 45^m$

$$\begin{array}{r} 3^h 45^m \\ 16^h 52^m \\ \hline 19^h 97^m \\ \hline 20^h 37^m \end{array} + 24^\circ$$

M31 $00^h 40^m$

$$\begin{array}{r} 00^h 40^m \\ 16^h 52^m \\ \hline 16^h 92^m \\ \hline 17 32^m \end{array} + 41^\circ 00^m$$

M42

5^h 35^m

16ⁿ 52^m

21ⁿ 85

22ⁿ 8^m

-5° 25'

22

M2

5^h 32^m

16ⁿ 52^m

21ⁿ 84

22ⁿ 24^m

+22°

M44

8^h 37^m

16ⁿ 52^m

24ⁿ 89^m

= 0^h 89^m

21ⁿ 29^m

+20° 10'

Jupiter:

8^h 46

16ⁿ 52^m

24 98

1^h 34^m

+18° 20'

11/18/78

Belinda Martineau

Took pictures of the moon. Looked at Jupiter but seeing not so hot.

~~11/18~~ 11/19 215-255 BC Pictures of Jupiter & Mizar-Alcor

11/19 Bryan Lurie
Moon ~~18:00 - 19:00~~
Jupiter - excellent

11/19

Darkroom 18:00 - 19:20

~~11/19~~ Barbara Klein - 19:00 - 24:20 instruction, pictures of M31 couldn't locate M31 ALGM ↓

JUM - 19:00 - 2:00 instruct

11/20 0:30 - 1:00

Ralph R. Rodriguez

Pix of Jupiter & Moons.

11/19 - 11/20 10:00 - ~~11:00~~ 3:30

Nick Christakes - Pictures of Jupiter + Moon + Saturn
Darkroom printing

Darkroom Printing

David Kleeman - Pictures of Moon + Darkroom Printing

0050 - 115 BC Pictures of Jupiter & Mizar - Alcor

11/20 2:00 - 3:30

D. Kleeman } Darkroom Developing
Barb Klein }

sum 1900 - No Elevator - Pain & suffering
are good for the heart

11/20 Kristin Linsley ~~8:30~~ 8:30 p.m. - 9:00 p.m.

(doesn't rise til 9:30) → Couldn't find Jupiter
(very cloudy)

11/20 Terry Hansen

7:00 pm - 1:30 am printing

11/21 Barbara Klein 4 - 4:45 pm darkroom

sum 2045

11/21 Terry Hansen

10:00 pm - 12:30 printing

11/22 Terry Hansen

8:00 pm - 3:30 printing

11/23 Mark Matthews 20:00 - 21:45 Darkroom

11/24 2350-0050 No Signs of Intelligent Life!

11/25 BC Darkroom 1900 - 2230
Telescope 2230 - 2316 Jupiter & Mizar Alcor

11/25 Mark Matthews 01:15 - 3:15 photographs of ^{M42}_{M44}

BC 01:00-0320 Darkroom
320-400 Telescope More Jupiter & Mizar Alcor

NO MORE FILM DOWNSTAIRS!

[QUERY: what the Crab Nebula am I doing here at this hour?
This is supposed to be vacation!.....]

11/25 Belinda Martineau ~6:15 - 7:00
pictures of Venus & Moon.

11/26 2230-2310 BC Pictures of Jup. & Mizar Alcor

11/27 12:00 AM - 4:00 AM
Terry Hansen
pictures of Jupiter
Darkroom

who is
of the
Dun

11/26-7 23:15-1:50 RODRIGUEZ
fix of Jupiter & Developing

11/27/78 Jun 1640

11/28/78 Jun 2000-2130

Sarah Johnson 1930-2130 ~~XXXXXXXXXX~~ Astro & open house
clean, but NO CUSTOMERS

Keys were missing from guard's book!
I have donated myself for the night.

and 2130-2230

Jun

11-28-78 BARBARA Klein Mike Kilkelly
21:35 - 24:25
pics of hex pensins
good seeing!

~~Amat~~ ~~We need more film pretty soon.~~

11/28/78 Edith Scott 11:30 - 2:30

I guess someone found some.

11/28

11:00 pm - ~~2~~ 2:00 am K. Linsley
pictures of Jupiter & Mizar/Aleor

2300 - 230 BC Pictures of Jup & Mizar/Aleor

11/28 23:30 to 11/29 6:00 R. RODRIGUEZ

Developed Fotos of JUPITER

WASTED

Took Pix of JUPITER, TWIN STAR

DEVELOPED MORE FOTOS

Took Pix of JUPITER

DEVELOPED MORE FOTOS

SLEPT

11/28/78 Jim m 2575

11-28-78 Barbo Klein 14:00 - 15:40 Developed 447px

11-28-78 Nick Christakos 15:45 - 16:30 Developed Saturn pix

11/29/78 Terry Johnson
8:00 pm - 4:00 am
Darkroom

11-29-78 Barb Klein 15:40 - 16:15 Darkroom

11/30/78 BC 2300-2330 too cloudy
0045-115 Pictures of Jup. & M. Alcor

12/1/78 Ralph R. ROBINSON

Jupiter & M. Alcor

1:15 - 1:45

12/1/78 Kristen Linsley (Nat Sci. 9)

Michael Aloian (Nat Sci. 10)

Milce Rapposelli (Nat Sci 6)

Jupiter + M. Alcor

1:45 - 3:30

12/1/78 JUNE 1530

(1915 - 0320)

JUNE + Sarah : OPEN HOUSE

(1915 - 2200)

some haze + thin clouds, (comet ~~set~~)

WX Key, M31, M42,

← ^{attends} Steve
for instruction class

Jon Helfman 8-21-36

12/1/78 Edith Scott (Nat Sci 9)

BC 22:30 - 23:00 Eclipse of Jup's III moon
clear around 2300, cloudy around 200

11:10 - 1:00 AM.

12/2/78 Mark Matthews 19:45 - 22:00

Darkroom
too cloudy
to photograph

12/2/78 Ralph Rodriguez
10:00 ~~11:00~~ 11:45 JUPITER & MIZAR ALCOR
PRINTING

200-330 BC Pictures of Jup & Mizar Alcor
330-400 Darkroom

12/3/78 JUPITER & MIZAR ALCOR & Developing
3:30 - 5:00

12/3/78 Mark M & Amiel 9:30pm - 11:30pm Darkroom

12/4/78 Edith Scott Star Charts
1:30 - 2:30

JUN 1500 - 1730

BC 2200 - 500 Darkroom Printing

12/5 - STEVE

JOHN, PLEASE CALL
ME UP

JUN 1645

D.W. Kleeman 1930

pictures of moon

12/5 1945 - 2145 Mike Kilkelly

12/5 Edith Scott 9:20 - 9:30 -
Came in at 9:30 but so did the clouds

Andromeda
CLOUDS

John - I may have messed up
the chair - could you check it?

Mike K.

CLOUDS! Why now?

Why me?

MK

12/5 22:05 JWM + SJ Astro 8 OPEN HOUSE
clouding

12/5 2150 - 2225 BC Pictures of J-up + Mizar Alcor

12/5 K. Linsley Jupiter & Mizar - Alcor
2-3:30 a.m.

see & clear. (for my purposes)

12-5 Barb Klein 1:15 - 3:30
waited patiently while others photographed in clear sky -
it's now cloudy & I'm going to sleep! no pics taken

12-5 Edith Scott - ~~12-5~~ - 12-2:30
Plate

12-6 6:00 am - 6:40, Photos of Venus.

(Someone left cabinet unlocked.)

12-6 Edith Scott 3:05 - 3:30
darkroom.

UGH! 12/6 David Kleeman
7:30

12-6 Barb Klein 8:15 - 10:40
2300-0045 probes finding ~~in 12/7/78~~ ~~back~~ pics of Orion for deep exposure
BC Pictures of Jup & M A/

12/6 Mike Kilkelly 0130 - 0200 M 81-82

12/6 Kristin Linsley 2:00 a.m. - 3:00 a.m. ~~8~~
when I put 12/6 a.m. that actually means the next day a.m. (but it's still tonight as far as I'm concerned)

Jupiter & Mars-Alcor
12-6 10:40 - 11:00 Ralph R. Rodriguez

12-7 6:00 - 6:40 AM JUPITER & M-ALCOR

12/7 20:00 - 23:05 Mark Matthews Darkroom

12/8/78 JMM 2000 - rain - mixed new darkroom chim.

12/10/78 Edith Scott 9:00 - 11:40
JMM 2000 - 2120 BAMBERGA PLATE

12/10/78 Kristin Linsley 2:00 a.m. - 3:00 a.m.
Jupiter & Mars-Alcor clear w. slight haze -
Declination very difficult to move!

I broke hook off telescope

12/11/78 Edith Scott 11:45 - 12:00 AM
Darkroom - 1 Plate

12/11 David Keeman photos of moon
darkroom

JUN 1915 -

~~12/11~~ DAN ALBERT - 6 plates Milky Way
AM 110 - 115

12/11 11:36 - 11:50 RUPU RUPINOVE
JUPITER & MARS ACOR

12/11 11:50 - 12:10 Mark Hostelle
JUP PVX

12/11 Mark Matthews 22:00 - 1:30 let 4 "short" projects go ahead
sighted M35
knocked off telescope before I could
take shot - clouds moved in
I moved out

12/ Sorry Mark!

12/11+ Janie P + Rachel Kemp - AW Persei

had some trouble unclamping J, John.

12/12 Gregory Demers: weather → good

12/12 Kristin Linsley: weather cloudy

10:00 - 11:00 at about 11:15 1 good picture

2000 - 2340 JUN 4-8 Open House (I hope!)

w/ Gordon Bushe ~ 20-25 people

looked at Moon, Jup, clouded up ~ 2300

12/13/78

Edith Scott
Darkroom

2:00 - 9:15!
All done with
printing!

12-13-78 Barb Klein 2:00 - 4:25 pm darkroom

12-13-78 D. Kleeman pics of moon 8:00 - 9:00
darkroom unless someone else is there

12/13/78 Gray Demers 9:30 - 10:00 weather - good

→ 12/13/78
10:00 - 10:30
McCarty

12/14/78 Rachel Kemp shot 20 plates of AW
Perseus - left undeveloped plate in
cabinets of darkroom.

Abandon out left camera lens cap on will get
again tomorrow.

12/13/78 - 2:00 - 2:20

Jupiter & ~~Perseus~~ - just Jupiter
there was no film so I bought a roll of 20

12-14-78 Mark Matthews 2:00 - 4:45 pictures of M 35, M 48
viewed Jupiter & Venus

12-14-78 Jimul Page 6:00 -

12-14-78 Barbara Klein 10:00 - 10:50 AM Darkroom

12-14 D. Kleeman 10:40 - 12:00 Dkrm.

12/14 R. Kemp darkroom developing plate RM 117

12-14-78 Mark Matthews 17:15 - 18:30 pictures of M57

12/14/78 R. Kemp - took plate of AW (Perseus)
had difficulty in getting telescope
into vertical position. will develop
plate RM 118 tonight.

Jan 2000

STEVE DARK ROOM

CLEAN UP
HELPED MARK & 2

12/14/ R. K. show another plate RM 119
will develop tomorrow.

12/15/78 Gino Donnas ——— 12:00 - 12:30

12/15/78 Kristin Linsley w. guest.
9:00 - 10:00

- it was 2 min

- I've bought two (2) rolls of film ... because there wasn't any: 12/14 & 12/12 (?) do I

12/15/78 T. Kemp - AW (Perseus) 4 min exposure. had some diff. w. declination of Perseus
got paid back? -K

12/16/78 T. Kemp - AW (Perseus) 4 min exposure. will develop tomorrow.

12/16/78 T. Kemp - came to shoot plate but cloud cover too heavy.

12/16/78 Kristin Linsley 11:00 - 11:30
photographed Jupiter:
weather misty, slight cover.
Jupiter OK, but couldn't see M/A

12/17/78 Kristin Linsley: darkroom

12/17/78 Kristin Linsley 9:00 - 9:45
weather: very windy - w.
large clouds -
but I think I got some good clear shots (Jup. & M/A)

12/18/78 Rachel Kemp - very windy, the door jumped the track & J. Mackenty said no to use.

12/15/78 JWM 1800-1900

windy - dome is messed up

do not use until snowed

12/18/78 - K. Linsley - Darkroom ~~DB~~

5:30 - 6:30

12/17 JWM Dome is out of track

- do not move

we hope to have fixed by 12/21

12/19/78 K. Linsley darkroom

- hope to use Raddcliffe telescope

12/20/78 K.L. darkroom

12/20/78 Repairs to dome

9:00 am: JWM, Amiel, Greg Demers - built scaffolding

11 am - DWL and Charlene Hughes ^{came up (also Jane P.)}

2-5 pm JWM + Charlene Hughes ^(who mostly stood on the roof gazing at scenery & eating up all of John's cookies)

~~we~~ fixed door (put back into track and put gears on rollers)

Do not attempt to rotate dome

weather shut is off on SSW side.

12/21/78 Kristin Linsley - darkroom JWM

What that darkroom needs is a small.

sheet of glass 8x10 for prots.

(- couldn't find one)

12/22/78 5:20 am. A good opportunity to photograph
Mercury, Venus, Uranus gone due to condition of
dome. Merry Christmas vacation.
Belinda Martineau

12/26/78 Stopped by to see if there was any improvement. A

1/1/78 2145 JWM

1/2/78 1600 JWM + B.C.

1/3/78 JWM, Duffy, Sarah - took down scaffold

Dome is working again - cross
your fingers.

1/3/78 Rachel Kemp 7:40 P.M.

had trouble finding switch to turn on electricity
to telescope. Shining were with some problems
will develop now - RM 122

1/3/78 Mike Kilkelly 2300 It's cold!

M31 - not too good
Tried to find M1 - couldn't.

1-4-78 Nick Christakos - Telescope 2:30-5:00 AM
fix of Saturn, Pleides, Jupiter.

1-4-79 Edith Scott Star Charts (10:30 AM - 12:20 PM)

1/4/79 JWM 1830 - handouts on stereo cabinet

1/4/79 Rachel Kemp - 7:49
Janie P. 7:49

no trouble finding B.J. - shooting w/o problem
will develop R.M. 123 tonight

1/4/79 Mark Rousneoff 8:45

{ Circuit breaker blew for motor + lights
before I could put lens cover on camera
finder.

Fixed

1/4/79 Nick Christakos 9:30 - 10:00 PM
Pix of Moon - Telescope

1-5-79 Nick Christakos - telescope
5:30 - 5:45 Nothing - That damn cloud
could move 24 hrs earlier
than weatherman said.
David Kleeman - Darkroom
5:30 - 11:00 - I must have
done 60 prints!!
↓
Time for
breakfast

1/5/79 Jan 1400

1/5/79 Rachel Kemp 7:00

1/5/79 Hi everybody from Janie P. 19:00
some trouble w/ 8 clamp - JP.

used 10" in coordination w. finder. no trouble shooting
will develop R.M. 124

1/5/79 People showed up for your exam house, John.
Where is the unbroken 25 mm eyepiece?
So I showed them some stuff - Orion neb, moon, planets,
Jupiter, etc. - Janice P → 9:00 AM = 21:00

1/6/79 Person before did not log in.
Steven Lee - showed a friend the
operation of the telescope,
8:20

1/6/79 JWM 2240

1/6/79 11:55 - 2:45

1/7/79 David Kileman - reprinting moon
pictures because I'm a turkey!
1/7/79 Edith Scott 10 - 12:00 Noon
Wm. ABELL.

1/8/79 Mike Kilkelly 1300 - 1630
Darkroom - Developed 4 rolls - looks
like one is a dud.

1/8/79 Nick Christakos 11:30 pm - 2:00
Darkroom to print only
because Fg? was OMT!! ~~SS!~~!!

1/9/79

Mike Kilkelly

1045 - 1120

Darkroom to pick up rolls from yesterday.
Nick brought in some FG 7.

1/9/78 Skon Lee

430-515 AM

Developed last roll ^{left} from May 78

1/6/79 Rachel Kemp - clouded out

1/7/79 Rachel Kemp - inclement weather

1/8/79 Rachel Kemp - weather & clouds

1/9/79 Rachel Kemp - 6:43

+ Janie Phillips shot AW Perseus & will develop

FM 125 tomorrow.

1/9/79

P. Duffy & N.T. Christakos

11:30 - 11:45 pm

11:30 pm - 6:00 AM
(1-10-79)

Shot Pix of Saturn, Orion nebula,
4 one hr intervals of Jupiter
and Venus.

Also, developed 2 rolls of film

1/10/79 2 AM

1/10/79 Rachel Kemp

11:24

+ Janie Phillips

Shot AW Perseus w/o trouble will develop

FM 126 tomorrow

1-10-79 1500 - 1800 Mike Kiikelly darkroom - printing
1-10-79 4 - 5:45 ~~45~~ Barbara Klein reading stuff & checking times
1-10-79 7 - 12 PM Steven Lee
Used darkroom to
Print

1-11-79 16:45 - 18:35 Mart Matthews darkroom

1/11/79 Jim + Sarah J.

NSI openhouse

1/11/79 Mark Matthews no film developer

1/11/79 Nick Christakos

10:30 - 12:30 Darkroom

1/11/79 Rachel Kemp 10:37

phot w/o trouble - will develop PM 127 tomorrow

1/12/79 Mike Kiikelly 0945 - 1330

darkroom - printing

1/12/79 OPEN HOUSE Sarah J. 7 - 12 PM

Looks cloudy, (Moon), Jupiter, Saturn (over)

CLOSED ~~at~~ AT 8:00 - Cloud over

7-8, there were about 10 customers.

1-13/79

Nick Christakos

4:00 - 10:30 pm

A LOT OF PRINTING

1-13-79 Mark Matthews 23:00 - 0:30 no print!
developer!

1-14-79 Mike Kilkelly 8:30 - 10:30 printing

1-14-79 Mark Matthews 12:45 - 15:50 printing

1-15-79 Mark Matthews 00:05 - 3:30 printing

1/16/79 JWM 1730

1/21/79 JWM 2100

2/3/79 AMIÉL OPEN HOUSE

~~8:30~~ 8:30 PM - 12:00 AM

MOON, SATURN, JUPITER, ORION

about thirty people showed up.

2/6/79 JWM (2100 - 2315) + Jill W.

A14 introductory meeting ~ 20 people

plus David Wood - looked at Moon, M42, Jup
at end until it clouded up.

gave intro to scope to people at A14 last

2-07

0015-0045

L.J. Bid '80 - Viewed Moon, Main
purpose: Demonstrate telescope to Mr. Eugenio
(Hospital to Class of 85)

2-9

STEVE - OPEN HOUSE

8-12³⁰

ABOUT 60-70 PEOPLE
SARIN, JUPITER, ADON
M42

SEEING WAS BLURRY

2/10/79 Amiel ??? USE of telescope back

2/11/79 JWM - Dome seems OK!

2/11/79 JWM (2200-0030)

discussed A14 projects w/
Teal Hayes, Cathy Heaney, Bill Dunphy
too cold to open dome!

2/12/79 - Jill Warvel (2000 - 2115)

viewed Moon, Jupiter, Saturn, etc.

JWM was right - it was too cold to open dome! Brrr!

2/13/79 (1930 - 2230) Jill Warvel, JWM, Dave Wood
Discussed Astro 14 projects

2/14/79 (2230 - 2315) JWM
Moon, Saturn

2/16/79 JWM (2130 - 2200)

(2030 - 0030) - OPEN HOUSE

M42 SATURN, JUPITER.

SEEING

SEEING IS PRETTY BAD

DOME DOOR DOESN'T LATCH
TO BOTTOM PART.

2/18/79 AMIEL - OPEN HOUSE 9-1230
JUPITER, SATURN, ORION

VERY COOL (-5° F)

Seeing very poor.

2/19 - STEVE, KATHY (2300 - 23⁴⁵)
TEACHING HOW TO USE TELESCOPE

2/20
SUM 1200

2/20 Dave Wood 2000 - 21:30
Very clear.

2/20 10:30 p.m. Mike Smart
Just looking at stars.
left 11 p.m. Beautiful night.

2/21 9:00 Sarah Johnson for a telescope
session w/ Ted HAYES.
GUESTED Hayes - see above. Looked at Dome.
- 9:40

2/22 20:45 Jill W. - I like warm weather better than cold!

2/25 sum Note: lights in south stairwell
are messed up. I replaced ^{the} one
at the top of the stair, but the
middle one's bulb is messed up and
the socket is broken.

28 JUN 2120

2/28 Jupiter 2130 - Bryan Bird
Awesome universe!

28 JUL (2300 - 0000)

29 (0000 - 0125) Ted Hayes
Jup, Sat, Arcturus, just getting started

2/79 JUNE 1435

4/79 ~~JUNE~~ 2045⁰⁰¹⁰ Open House
would like to learn John Heiman 6-3841

12/79 9:00 - 10:00 Nick Christakos
general observation

3/13/79 (2000 -) Jill Aug 14 (The Wood)
JUN

3/14/79 (0030 - 0045) Brian McInnis
general observation - Too Windy

3/15/79 JUN (2030)

3/15/79 (2130 - 2300) Cathy Heaney
just looking - nearly
clear but lots of moon light

3/16/79 (0:30-1:20) Mark Segal. Saw M13 (a bit too jumpy for good viewing) Jupiter, Saturn, Moon, all very clear.

3/16/79^{JMM} (1900-2200) w/ M. and H.
1900-2100 Kathy Hearnsey A14
loaded plate, closed up.

3/17/79^{JMM} (1900-2230)

Please add to key 1951

Philip Kohn at JMM

plate RM127 of Ursa Major TX - Cathy Hearnsey A14

9:00 P.M. - 12:30 A.M.

OPEN HOUSE

GOOD SEEING TOWARD END.

~ 95 PEOPLE

3/18/79 9:45 pm Ted Hayes

just practiced sighting.

locked out -- B+G came and
let me lock in -- just closed up.

11 pm

3/21/79 8:00 → 11:00 Cathy Hearnsey
took plate

JMM

3/22/79 Jill W. (2110-2240)

3/23 12:20 NEIL TYSON
- Just showing the place to
a friend from N.I.

3/23 8:45 Phil Koh
Saw Jupiter

4/6.022 Brian McCann
- .200

GENERAL VIEWING - PRACTICED SIGHTING -

VERY CLEAR

4/6/79 JWM

9:00-10:00

A.S. teaching HLC

4/10/79 JWM 1500

4/10/79 HLC 1610-1020

4/10/79 Paul Wood 20-00 A14 abortive
open house

4/10/79 JWM 2130 Tim Edberg - A10
instructor

4 NSQ students dropped by Sam Sat, Tap

4/10/79 Tim Edberg - more great viewing

4/11/79 Tim Edberg + JWM for more
instruction

4/11/79 ~~(20:30-22:30)~~ Jill - Nat Sci 9 open house

4/12/79 Tim Edberg - took photos of
(7:30-8:15 pm) Jupiter between clouds

4/12/79 (20:45 - ~~22:30~~^{22:30}) Jill NS9 open house

4/12/79 (22:30 - 0:30 4/13/79)

Tim Edberg - more pictures

3 visitors came by

dec switch got stuck - called John &

got it fixed

4/17/79 Tim Edberg - used darkroom
to develop film, 14:00 - 17:30

4/17 Tim Edberg & Phil Kohn

8:30 - 10:30 chasing the big Jup'

4/18/79 Tim Edberg - developing 11:00 a.m. - 1:00 p.m.

4/18/79 Tim Edberg - photos of Jupiter

7:45 p.m. - 8:30

4/18/79 (20:45 - 22:00) Jill NS9 open house

4/18/79 (22:15 - 23:00) Tim Edberg - more Jupiter

4/19/79 (20:15 - 21:00) Tim Edberg - more photos
of you-know-what

4/19 - Jill for US9 open house
(20:45 - 22:00) about 15 people showed up

4/19 Kristin Winsley
Christan Mævs Nat Sci 9

4/20/79 Tim Edberg photos of Jupiter
(19:30 - 20:10)

4/20/79 - STEVE 8:30 - MIDNITE
OPEN HOUSE

~60 PEOPLE
BEAUTIFUL VIEWING

GOOD CLARITY ON
SATURN + JUPITER EVEN WITH
COMM LENS!!!!

4/21/79 Tim Edberg - used darkroom
4:45 - 6:30 p.m.

4/21/79 Tim Edberg - photos of Jupiter
(8:00 p.m. - 8:50)

2130 Jun

JOHN,

MISS HOLBROOK 8-3541

IS VINTERESTED IN WORKING
VERY

FOR THE TELESCOPE STAFF.

CALL HER UP!

OPEN HOUSE

9-1230

~20 PEOPLE

GOOD VIEWING - NOT A

GOOD A LAST NIGHT

4/22/79 Tim Edberg - more Jupiter
(19:30-20:30) (two people stopped in +
looked at Jupiter)

4/23/79 Tim Edberg - more photos
(20:00-20:45)

4/23/79 Tim Edberg - going to try one more
(22:00-22:45) of Jupiter tonight
one visitor chopped by to look at
Jupiter

4/24/79 Tim Edberg - used the
darkroom 1:30 - 3:00 p.m.

4/24 - 3:10 - STEVE

JOHN!! CALL MISSY HOLBROOK ~~8-354~~
8-3541

① ABOUT WORKING NEXT YEAR FOR
THE TELESCOPE - SHE SEEMS VERY INTERESTED.

② THE DOOR IS BROKEN - i.e., THE
DOOR NEXT TO THE LIGHT SWITCH.

4/24/79 (19:30 - 20:15)

Tim Edberg - more photos

4/27/79 JWM - fixed room door

4/30/79 - STEVE - CHANGED THE CLOCK!

4/30/79 NSQ open house under Paul Hartz

JWM

4/30/79 - can't find Saturn who took
it.

4/30/79 Jim Colberg - photos of Jupiter
(11:30-12:15) with 3 friends

5/1/79 Nick Christakos
10:50 pm - Observation - 12:00

5/4/79 JMM + Jill
- put new lock on stereo camera

5/5/79 JMM + Tim Colberg
2030 - pic of Jupiter
problem w/ drive's worm @ RA
wheel - seems to have a slot
bearing. Telescope ok.
DO NOT use until
repaired !!

5/7/79 Jim Colberg - Jupiter
(9:15-11:00)

5/8/79 Jim Colberg - Jupiter
(8:30-9:45)

also - in darkroom from
7:30-8:30; 9:45-11

5/9/79 Tim Colby - Jupiter
(10:30 - 11:15)

5/10/79 Jim 0030

5/10/79 (0430-0500) Jill + you, my friend,
are crazy!!

It was too late to go to sleep so I dragged my
roommate up here to waste some time.

5/10/79 Jim 2030 - 2145

Cathy Heaney 20:00 - 21:45

took a plate

pretty hangy

dark room 21:45 - 22:45

5/11/79 (2045 - 0015) Jill ^{+ Steve} OPEN HOUSE

Jupiter, Saturn, Moon, & Leo, Not too many people...

must have been lousy movies downstairs tonight!

5/14/79 Tim Colby 15:15 - 15:30

just came up to check

some positions in the SAO catalog

5/16/79 Sandro Tomber; + David Boothby

5/20/79 Tim Edberg - in
darkroom from 1:30 - 7:00 pm
developing & using enlarger to
reduce data

5/21/79 Tim Edberg
more data reducing in the darkroom
8:15 - 11:30 p.m.

5/22 ~~to~~ JWM 2045

5/22/79 Cathy Kearney
took a plate of Delta
Cepheus.
22:00 - 24:30

2/6/79 Nancy Kikner
Mark Stone ← From California

Saw star 2330 - 0015

Oh wow, look at the moon!

6/4/79 Adam - took back my 25mm
(orthoscopic) eyepiece - preparing for graduation.
Best of luck to all who go "per aspera ad astra!"

6/16/79 JUM 1740
just dropped by

6/23/79 D. Latham Anne Matthews, Ann Penning,
Andrew Millis. New staff checkout

Dec circle is almost bang on

used Edmund spectroscope on Vega, Arcturus

AO Vega: H β ^{blue green} (4861A) v β clear, H γ ^{blue} (4340) visible
no H α ^{deep red} (6563)

KO Arcturus: Mg B and Fe ^{green} lines (at least 3 all
told) maybe a hint of D-lines ^{yellow} (5890/5896)

M4 δ Lyr M4 star T, O bands are obvious
lines all over the place. This

ϵ Lyr just barely resolve 2.8" at times

6/26/79 JUM and Bill Waller -

browed 3 ^{+ 6 eyepieces} small telescopes for CFA-OH.

note to new staff, the bull board
outside must be used only with
special markers and eraser found in
left hand side desk drawer

6-26-79 Anne Matthews, Don Lautman, Ann Piening,
and many others. Looked at Saturn, M57, M13,
~~β~~ β Lyrae, α Lyrae, and ε Lyrae. Dome sticks
when slit approaches due west in a clockwise rotation.

Ann Piening

Anne Matthews

June 27, 1979 Anne Matthews, Ann Piening,
Don Lautman, Andrew Millis + others.

Observed ~~β~~ β Cygni, ε Lyrae, M13

Sky conditions partly cloudy.

Anne Matthews

Ann Piening

6-28-79 Andy Millis, Ann Piening & others.
Tried to see moon, Saturn, or anything
else, but were clouded out.

7-1-79 Did not observe. Took darkroom inventory,
general familiarization with dome facilities. Observed
general mess and tried to organize things. Found
many useful references. Increase in confidence.

Ann Piening, Anne Matthews

7-2-79 AJM, AP. Observed moon, arranged times to check people out. Moon glow + haze made M81^(M52) too faint to find. Then clamp for R.A. failed. Problem seems to be electrical. Other controls work fine. Will inform Dave Latham tomorrow morning.

7/3/79 AJM, Dave Latham, Charlie Nugent to fix RA. AJM wrong again. Problem is not electrical, is ~~is~~ pin fallen out. Juvy rigged with pin + tape. Will be redone @ later date. Dec. Circle disturbed, readjust tonight!

7/3/79 (evening) Ann Pening, Anne Matthews, Andy Millis. Mostly checking out students from Summer School astronomy course. Those checked out are Douglas Gardin, Kenneth Kousen, Perry Van Volkinburg, Jim Sung Pak, John Conley, Michael James, and Danna I. Murphy. Observed Saturn, ~~A~~ a Bootes,

α Lyrae, Altair, α Ursa Majoris. Tried M87
From roof observed Mercury at its greatest
Eastern elongation, not to mention lots of
fireworks. Andy readjusted dec. circle - good
to ± 5 min. Can the red light outside
door to dome be fixed? Yes!

Some clunking noises popping &
grinding noises when closed.

7-4-79 AJM to listen to dome
slit to see if it still
makes funny noises. Notes: / sort
of grind @ about 2ft (going up.)
One little bump noise w about 6ft to
go (atill opening). Loud sound of metal
rubbing on metal @ 3-5 ft, 6-7ft
from top, going down. Little scrape @ $\frac{1}{2}$ way
Scrape + thump + bang + clange w tone of
motors from 7-4ft going down

Don't
rem. this
down

Is sticking slightly on way down from
@ about 2ft. Slot still seems to
work fine, just makes more funny noises than
I remembered. Note: At scraping sound dome
slows down

7/5/79 AJM, AM, A...
... located ...
... (2 boxes).
... but more ...

RA clamp was difficult to set once
or twice. Dome makes no new noises,
& seems to stay on track.

7/6/79 (Noon) AJM to get list of people
checked out to Sci-Ctr office
Somebody left roof top (coffin-lid)
door unclamped. ~~I remember~~
~~clamping it last night~~ [Men on
roof sunbathing].

7-6-79 Andy Millis, Ann Piening. Had visitors from
summer school astro classes ~~and~~ ~~and~~ ~~and~~ others. Observed
moon, M57, M13, [attempted M31 (too hazy)], & Cygnus,
Vega. Used 4" reflector on roof to observe Jupiter,
Saturn, and Moon. When using fine adjustment controls,
must wait a little bit for motion to stop before reversing
directions.

7/6

Jed Laderman

"Late open House"

M13, M57, Moon!

7/7

A. Matthews A. Puring Open House -
lots of people. R.A. clamp in its death throes -
often doesn't work. Lots of people. Dome slot still
makes noises

7/7

Jed Laderman Late Night Open House

M31, M57, ☽, M13 - with filters.

RA clamp out. Here comes the sun (4³⁰):

NOTE: Brilliant bolide in Cygnus.

Important: ① Left telescope off-vertical,
almost touching base, so
it wouldn't hit hard if
RA slips.

② What about leaving lens down?
This is inconvenient, but it
prevents dust from falling onto
the lens from the lens cap.

7/8

Jed Laderman

Lunar Observations

- Big streak on main objective.

7/10 (1am) Doug Gerdin
Computers down
just came up to look
looked at double star
 η Bootes. Declination
might be 9° greater than
it should be. Also checked with α Leo

7/10 - Anne Matthews Ann Piening
observed nothing - checked out 5 more people.
RA clamp not improved.

7/11/79 Jim - 1900 fixed RA clamps
~~etc~~ Anne Matthews, Ann Piening, Andy Millis.
More checkouts, + observed Vega & Lyra, β Cygni,
& Aquila, Moon. RA clamp died again about 10.00
Slot has quieted down. ^{Don Lautman} Wants to move conduit that
hangs down in front of place where Gemini drawing
will be.

7/12/79 Dawn Larsen Vega check out
AJM checking out people. So hazy
could only see Vega, Arcturus, later
rest of Summer Triangle. Dec Circle is right
to $1/4^\circ$ degree.

7/12/79 Cth AJM, AHM, AP

start to learn about distribution
Watch AP Fiddle to 10° change
Some imp. stuff. AJM loused
up the clock to 10° Fix
tomorrow.

7/13/79 Open night AJM, ATP, AHM. About 25 people.
Observed M13, β Cyg, ϵ Lyr. Sky very hazy & intermittent
clouds. AJM fixed Dec. IT now reads about .2° too
high. R.A. clamp miraculously healed.

7/13/79 Solomon ISRAEL dome hood creaked
and groaned the likes of which was never
issued by mere mortal. Northern sky
too hazy, and I was unable to zero in
on familiar stars and patterns. gained
familiarity with the observatory.
what sobering thoughts one has at 3:25
c'est la vie. Vive la difference!

7/14/79 Anne Matthews, Ann Piercing -
brief open house; closed up early.
Too noisy, nothing exciting.

7/16/79 Anne Matthews. More checkouts;
pouring rain. R.A. clamp sometimes work.

7/17/79 AHM, AJM, ATP Finished check-outs. ^{HK!} Worked
in darkroom. Loaded plate holder & camera, but
sky clouded over and prevented any photography.
Slit makes very nasty noises when opening and closing.

7/19/79 AHM, AJM, ATP, checked out
2 more ppl. Took roll of Tri-X, 1 plate

7/19/79 Arthur Goldberg & Friends (3)
Back for a look at the old
'scope.

did darkroom stuff.

7-20-79 (Tenth anniversary of Lunar Landing - Three cheers
for space exploration!) ATP. Open night. Very hazy and
cloudy. Observed ϵ Lyrae, β Cygni, and spectrum of
 α Lyrae. Interesting crowd. Dome still makes foul noises.

7/21/79 D Gerdin: 2:00 AM — looking for Uranus
(had already set), looked for Neptune
(to dim and bad seeing) Gave up & listened to Star

* RA. doesn't lock!!!! *

7/22/79 AJM Open House Too haz., for
M13. Observed β Cys, & Lyr (w Spectrometer
pronounced absorption line at blue-green
border, fainter one (vis w 12^{mm} eyepiece)
abit to yellow side), & Lyr. Sparse
attendance. Tried Cross-hair eyepiece.
It seems comparable to 18^{mm} Took + develop.
plate but forgot to take lens cap
off. Jeez. Dec Wheel seems to
be accurate now. RA doesn't lock

→ 7/23/79 I forgot to log it last
night: the tape player is broken.

7/22/79 (2:00 -)

Very hazy observation, interrupted by cloud cover. 3 people came in for brief look (know thru... so safe.). Did some work on chair clamp appears to lock in place now, R.A. Lamp being very cochetish (off & on). Primary observations within the Cygnus system?

apparently volume is turned down on stereo, could not find off button → unplugged it.

(Solomon ISRAEL)

dome seems to be in pain.

7/23/79

arrived 11:30 PM

I don't know if the instruments are entered, but I came up to use the '79 pliers and some of the others,

Ken Kousen

7/23/79

AWM, AJM

Took plate of e lyral.

Very hazy - No more people showed up to be checked out, or anything.

RA clamp seems OK. Dome slot still groans

①

7-25-79 ATP, ANM. Made some prints of Pleiades & came up to look for cable release adapter. We used a new adaptor and/or a new cable release. Darkroom is in order and ready for use.

7-25-79 AJM Polar Axis
Star moves north re separation
of ϵ Lyrae in 5 minutes.

7/24/79

12:40 pm.
to 1:15 pm.

observed various visible (!)
stars (got very hazy)
→ got more practice w/ sighting
also.

ps. who ever ^{Ahmet Tangoren} used the
telescope last left the side
cabinet unlocked and the
dome plugged in !!

7/27/79 - AJM - open house.

Thunders term approaches @ starting
9:15 so watched that rather
than stars. Completely cloudy
from 9:40 on. Had bit rained
by 10:10. About 6 people were up

7/30/79 AJM, AHM, ATM instructions
Period of ~~2~~ worm is 4
minutes. R.A. is still defective. Dome only
rotates clockwise. Showed 4 students how to
~~expose~~ ^{expose} & develop plates. Cloudy sky

☐ un-dropped by 7:10

bat for ill X-chairs is
a Duracell Silver Oxide
6.0V PX28

7/31/79 AJM, ~~AJM~~, ATM

Showed 5 students how to use
camera, develop film, take plates
Evan can't take 5-min. pictures
(Don't be catty)

8/4/79 AJM - New battery - recalibrated
Doesn't work \checkmark

8/4/79 ATP Open night. 3 visitors looked at
moon before clouds prevented further observing.
Oh well. Better luck next week.

8/5/79 - 8/6

SLI. Zorch! dome only rotates
in one direction (clockwise). How disconcerting!
took several pictures of moon using
own film. Sky very clear and constellations
are visible. Eegad the moon is made
of cheese (with the green filter). 3 people
already previously checked out came
in. this is Mosh signing off. Nannu Nannu!
(what?!) 2:00 am

8/6/79 ATP with Ken Kowen & Dale Humphries.
Photographed Uranus (we think) and moon.
Clear skies for a change. Dome rotates both
ways.

8/6/79 Beautiful night - full moon
photography Jim Sung PAK.
12:00 - 1:30

8/7/79 Printed one picture of Uranus.
No other stars appeared in the field of view.
3:30 to 5:30 Van Horn

2/5/79 Owen Gierich + ~30
guests. Moon, etc

8/9/79 AJM, Kerkhouse, Clouded
up just as he was set to
photograph Uranus. Beautiful
seeing in non-Uranus half of
sky. AJM polar axis alignment
observation date:

time (min)	8	.1	- separation as
I suspect	12	.15	a fraction of
earlier separations	16	.20	separation of
are more inaccurate	20	.27	ε Lyr. (Teles
it's hard to	24	.36	set on ε Lyr.)
tell the difference	28	.44	

between $\frac{1}{10}$ and $\frac{1}{8}$, tentative value

⊙ .06 ε Lyr separation / 4 ~~min~~

~ .015 ε Lyr sep / min. Goes

NORTH in field.

ADH Moon in non-Uranus half of sky; clouded over
just as I was set to photograph it.

8/9/79 12:00 - ~~1:00~~ 1:00

moon unclouded at times for
photography - developed film
JSP.

8/10/79 AHM - open house. Not too many
visitors; cloudy until ~ 10.45. looked at
moon. 9mm eyepiece has some little piece of
curly hair or something in it. ~~Can't find 20mm~~
~~eyepiece or has it always been missing?~~ ! Forget it.

AHM
8/21

8/10/79 Rafael Cabeza

Came to see the old place. Could
see nothing due to clouds of course.
The place needs some cleaning up.
Brought a few friends who wondered
what this place looked like. Loved the
Stereo System.

8/11/79 Ahmet Tangoren
Came to observe but
started to drizzle (it ended!)
Oh, well!
No problems.

8/13/79 ATP, Ken Kouser, Dale Humphries
Photos of Uranus and M13 - beautifully
clear night!

8/13/79 Lance Levitt - she's right
it is beautiful. Ugh. whoever used
the telescope last. ~~Forgot to replace~~
~~the lenses!!!!~~ They were oh a desk
ADH - Set out to photograph moon again.
Couldn't find shutter trip for camera. Doesn't
matter ; sky is hazing up as fast as the moon is
rising.

Lance - looked at moon. Damn
is it beautiful. Why are there clouds?

8/14 AJM checking out Lance C who
was admitted last night by the guards
even though he was not on the list
the knows what he is doing.

Hook on end of ~~ped~~ motor +
clamp console is missing. Something
rattles in console.

8/14 Lance Levitt - cloudy at first
but cleared up around 3:AM

8/15-16 Ken Kousen. Cloud cover opened
up about 11 PM and stayed relatively
clear until 12:45. α Boo was
magnificent (do I detect a bit of sarcasm
there?). I seem to have misplaced
my dorm key. If you find it, get in
touch with me immediately! (~~8-3683 or 8-3667~~).

8/16-17 (11 PM - 12:20 AM) Ken Kousen. The
cloud cover that looked like it might
leave didn't. α Lyrae was spectacular.
The right ascension lock doesn't work at
all. Anne, Ann, and Andy, thanks, it's
been great (this is my last night).
See y'all whenever.

8/17/79 Ann Fleming & ~~off~~ others. Open night. Skies not bad - partly cloudy, cirrus later at night. Observed $\mu 3$, ϵ Lyr, β Cys.
R.A. clamp broken. Paddle rattles - something's loose.

8/21/79 Anne Matthews. Came up to look at Sky & Telescope & managed to do so without using the telescope. Also did a rudimentary clean-up - i.e. transferred larger trash from floor to garbage can.

8/28/79 Charlie Hughes / Dave Latham
adjusted polar axis $2\frac{1}{4}$ turns east
16 threads / inch \rightarrow about .14 inch at $-40''$
radius ~ 12 arc min east.

20 Aug CHARLIE HUGHES S-4351 (OBSERVATORY)

DURING PAST 4 WEEKS, LEWS
REMOVED, CLEANED, REINSTALLED.
GEAR BOX

REMOVED

OIL DRAINING, BOX CLEANED

SIGHT GLASS INSTALLED

PROPER LEVEL OF OIL IS

1.9" ABOVE GEAR BOX SUPPORT
PLATE (10/20/30 OIL)
GEARS INSPECTED, AOK
OIL CUPS FILLED
GEAR BOX ASSEMBLED w/
PORN-A-GASCOET.

CHAIR LOCK MODIFIED.

CONSOLE CONNECTOR REPAIRED

COVER PUT ON WHEN GEAR
CONNECTOR IN BOX SUPPLYING VOLTAGE
TO DOME & SWITCH REPLACED.

WORM GREASED w/ SILICONE
CONDUIT MOVED

TAPE REMOVED FROM CYCLED
AREA (MESSY WAY TO FIX THIS
INSTRUMENT) SHIMS ADDED UNDER
CLAMP

ALL CLAMPS WORK OK.

SIDES TO BOX WILL BE RE-INSTALLED.
AFTER POLAR AXIS CHECK.

9/15/79 1900 Steve Month and Bill Rose here.
Steve taught Bill basis of using telescope.

OPEN HOUSE

Saw Polaris (we think), Vega (pretty blue),
M13 looked good. So did M57 (a planetary
nebula). We also went up on the roof
with the little reflector for a while,
looked around town. About 15-20 people came
up. Close up about 0000.

9/16/79 8:45-11:00 STEVE MONTH
- CLEANED UP DARK ROOM
ORGANIZED FILING CABINET

9/17/79 1945 BILL ROSE

OPEN FOR SCI A-17 students, who are mainly
doing naked eye observation. Found ϵ Lyrae (thanks
to Prof. Minguich). Also saw M57, M13,
 β Cygni. Looked for M27, α Capricorni
without luck. About 20-25 people here.
Close up 2330.

2/79
Bill Power 1945

on for 17 students, who are mainly
used Vega for calibration;
looked at E Lyrae, but couldn't resolve smaller doubles.

Maybe due to hot air in dome, colder out. Looked at
M57 (Ring Nebula), it looked good; ~~found~~ ~~2 MB~~ Lagoon
couldn't find M8 (Lagoon Nebula); did find Dumbbell
Nebula (M27)! It looked pretty faint, however.

The Hercules Cluster (M13) was quite nice. We returned
to E Lyrae but our luck was no better, although
by now temp. diff's should have evened out, since
the door has been closed usually. The 25 mm eyepiece
isn't worth shooting. The 28 mm is much better. I put
some tape around it so now it doesn't fall out of the
scope. Couldn't quite get Andromeda since scope hits the
pedestal. It would probably be visible by 11:45, but I hope
I'll be gone by then. About 30 or more people came
through, including 3 who signed the telescope access list to
learn about the scope.

I stuck it out and did see Andromeda (M31). It was
not really clear, but it was certainly there.

Out 0000.

Sept 24. Dave Latham, 10:00 PM DST
tests of tracking with new polar axis alignment
& Peg +15° near prime meridian
start on crosshair 10:37:30

crosshairs aligned E-W / N-S

& Peg is moving up in the eyepiece \Rightarrow south.

\Rightarrow telescope is tracking to North.

in 10 min moved $\sim 1/20$ of $1/2$ field

according to my recollection the drift
was opposite before. Therefore I
adjusted the axis 1 turn back to
the west.

Another 5 minute test, it still moved (the star
did) to the south. So, moved $3\frac{1}{2}$ turns
back to west.

moved only ~ 1 star diameter in 40 min!
"final" west pier adjust $\sim 1/4$ turn.

12:15 close up

Sept. 25, 1979 Jill Warvel + Marion ~~Wolfson~~ Wolfson
(2000-2100) Astro 8 open house - pretty cloudy,

but I hoped it would clear up. No such luck. A
few people stopped by. I asked them if they wanted to look
at some clouds, but they didn't seem too interested.

Sept 26, 1979 D.W. Latham, Brent Nelson,
Patti Bellinger, Laura Meyer, Dirk Coburn
Science A-17

2 Aug

9° —

RA 19 49
3 12
7^h 23

little
2^h 34 = DST 10^h 23

big
7^h 53

19 49
7 53
11^h 56

Vesta

3 12

3 12

~~11 56~~

24

~~14 68~~

20 72

~~15 08~~

11 56

15 16

calibration of RA circle: subtract 11^h. 56_N ^{from RA} to get
setting

located Vesta and finally took a Ross plate
Vesta appeared to drift in the main eyepiece
over ~ 1 hour by perhaps 30 arc sec.

seeing is variable but not bad.

closed up at 1:17

Sept 27, 1979 Jill & Steve 7:30 - 10:00

Reviewed how to take & develop pictures

27 Sept, 1979 Ann Preuing. Hazy. Looked at
β Cyg, 6 Lyr, tried to find M57, M31. Dome
makes squeaky noises when closing.

Oct 1, 1979 Jill Warner 7:30-8:30

showed Jan Zimmer & Jean Marie Elliott

(Science A-7 students) ...

scope. Looked at the moon.

~~10/1/79~~

10/6/79 7:00-12:30 Steve open house

8:00-12:30 Jill (on the roof & rolling
film in darkroom)

Ring Nebula, M13, Moon

About 65 people showed up.

10/8/79 7:30-^{9:30} Jill, Jean-Marie, Jan
Took Pix of M13

10/10/79 BILL ROSE

8:20-10:45

Pat Bellinger & Laura Mayer, from
A-17, were up here. ~~Pat~~ We talked about
their projects + about setting circles + celestial
coordinates. Didn't open the dome, though;
it's lousy weather.

10/13/79 Ann Fleming, Scott Gross, from Science A-17.

Checked him out on telescope & taught him to use Ross Camera & darkroom.

10/13/79 OPEN HOUSE 2000-~~2000~~ 2230

Bill Rose It is pretty cloudy tonight, but it looks as if it may improve. A few people have been up here, but I haven't posted signs since there isn't much ~~to~~ see. We have gone onto the roof some, and have used the big scope to check out Boston. Things don't look much more exciting there than here. About 9:30 a few stars are visible, but not very clearly. Everything is hazy and mostly overcast. About 10 people have been up here.

10/14/79 Jean Marie Elliott 7:30-9:00

Took advantage of clear night. Moon wasn't up so I looked at stars.

10/14/79 Bill Rose 9:00-1:00

Up here to meet Laura Mayer and Pat Bellinger, Sci. A-17 Students, to check them out on scope.

Cleaned the 28mm, 12.5, and 6mm eyepieces with methanol and

paper towels. Paper towels leave a lot of lint.

Do we have any "Kimwipes" - they are softer + cleaner than paper towels and are good all purpose wipers, excellent for lens cleaning.

Checked out Lamma + Pally on scope, aligned on Vega (Lamma) and Aldebaran (Pat). Looked at Orion Nebula - looked great! - and the Pleiades. Went up on the roof too. Out at 0100

10/16/79 Jill 7:45 - 11:00 Astro 8 Open house

About 5 people showed up. We looked at M57, M13, M31, h + X Pers, and NGC 7008. Nice clear night!

10/20/79 OPEN HOUSE, SAT. 1930 - 0030

Bill:
Fri 8:50-11:20 2 1/2
Sat 7:30-12:30 5
Sun 2 1/2

BILL ROSE. Posted signs downstairs. Looked at Altair, E Lyrae, M13, M57, M31, and Pleiades. Viewing deteriorated as evening progressed. ~~Let's~~ We went up to the roof several times. About 50 people came up. The red bulb in the desk lamp burned out in an unusual fashion - it spontaneously exploded when nobody was near it. Where are there more red bulbs?

I fixed up the broken gooseneck on the lamp on the drafting table. No easy on it, though, or it will pull apart again.

10/21/79

BILL ROSE, LISA SHORT, LEWIS PEÑA, JOSE STECKEL 1855-2135

Here to meet w/ Lewis Peña (Sci. and Jose Steckel (Astro 8) and Lisa Short (Sci A-17). Its barely good enough to see bright stars, but all we have to do is line up on the scope + setting circles, etc. Looked at Altair, ϵ Lyrae, M57. Saw quite a few meteors. A few people came up asking about meteors. Out at 2135.

10-23-79 7:30-9:30 ~~Open Night~~ Open Night. Ann Preining.

One person showed up and we looked at ϵ Lyr, β Cyg, M31, $h\&k$ Per. Sky clouded over suddenly, so we closed early. Slightly hazy before it clouded over, but good observing anyway.

10-24-79 Jean Marie Elliott. Hurried to catch the moon, but alas!, it had set. Will give it another shot tomorrow if it is clear.

7:00-7:40

10-24-79 Jill - Showed Joe Salvo - Phil Nichols how to use scope.

10-25-79 Jean Marie Elliott. Photographed (hurriedly) the moon, then photographed stars. 7:00-10:20.

10/25/79 2:45 - 5:30 Brent Nelsen

came up intending to observe Jupiter, but spent most of the time getting my bearings...

BRENT - GIVE ME A CALL AND WE CAN GO OVER "BEARINGS." ~~THE~~ P.S. - YOU DON'T NEED "BEARINGS" TO FIND JUPITER.
- STEVE MONTH (8-7069)

10/26/79 OPEN HOUSE BILL ROSE 1945-0020

Align on Altair, Moon looks great! Andromeda Galaxy, Pleiades, M37, E Lyrae. Clouds made work frustrating. Spent a lot of time on the roof with small telescope. 40 or more people.

10/27/79 OPEN HOUSE JIU 7:30 - 11:40 (got cloudy)

Pretty clear night. Looked at moon, M13, Albireo, M31. Ground 35-40 people showed up.

7:30 - 8:00

10/28/79 Jill & Elias Reichel (Astro 8) Went over scope & camera. Pouring rain outside. Oh, well.

1900-2030

1/27/77 BILL ROSE + LISA SHORT (A-17). Went over setting circles, etc., with dome closed (it's cloudy out).

BILL ROSE + LAURA MAYER @ 2230-2300
(I can't stay away - showing Laura how to use camera adapter.)

1/30/79 Jill 7:45-11:30 - Astro 8 open house
20-25 people showed up. Looked at Moon, M13, h & X Persei, Pleiades, Albireo
Opened up roof, also. Pretty clear night, but lots of glare from the moon

1/30/79 Joe SA'00 Took some pictures of the room

1/31/79 BILL 1700-1840

Motor drive would not go on when I came in. I spent time checking fuses in the pier, etc., and finally noticed circuit breaker box on wall. Motor circuit had opened - I'm not sure why. It seems to work now. Took pictures of moon.

2/79 Jan Zimmermann and Jean Marie Elliott 8:30-11:15

Took photographs of moon and developed one of these roles. Very clear.

11/1/79 7:10-9:15 Jill & Phil Nichols
Practiced using scope & went over coordinates.
Looked at moon, M31, h & X Persei

11/4/79 8:30-9:45 Jan Zimmermann
Looked at the moon, took photos

11/5/79 BILL + MARK KINGSTONE 1045-11:25 A.M.
Went over use of telescope. When I first undamped
DEC, the circuit breaker blew. This happened to me a few
days ago, I think with R.A. I wonder why?...

11/6/79 Lisa Short 8:00 here to work on
Sci A-17 project → photographs of different
objects in the Milky Way. (5000 Cosmic)

11/6/79 9:00-11:15 Jill Came up to
help Lisa. Took pix of h & X Persei & M31.

11/7/79 BILL + LEWIS PEÑA 1910-2120
Here to meet w/ Lewis Peña to go over photography.
Cloudy out, took pics of PRU.

↑
tsk tsk tsk,
peeping toms, I see!

You're such a prude, Jill... →

11/8/79 10:15 - 11:40 Jill & Elias

We tried to take pictures of the moon, but we were suddenly attacked by a ferocious bank of clouds c'est la vie.

11/14/79 11:59 - 1:45 Louis Peña

Looked at Pleiades. Had a hard time setting the circles until I realized I was 180° off. Took a roll of photographs later and developed them even later. Had a good time, good night.

11/28/79

Took some pictures of the moon.
How about a new adapter ring?

8/25/

Tor SALVO