

1981

11/21/81 Stff here for visual estimates, lots of high stars, some wind. All else in good order.

WB

11/25-26/81 Stff here for visual estimates. Some wind, very cold 27° - 23° , good seeing. "No Admittance" sign gone.

WB

12/3 Stff here for maintenance. The road was cleaned and plowed but the lock routine was in sad shape.

12/21 Stff here for maintenance all appears OK., opened 9AM - closed 10³⁰AM.

WB

12/22 Stff here for inspection and repair of electrical. 20° when opened doors!

WB

12/26 Stff here with Todd Hansen. Installed new light fixture over the observing desk. To turn it on, use the white light switch on the breaker panel and then push the red light push buttons on the wall if ~~most~~ the dimmer switch is just over the observing desk to adjust their intensity. opened 9AM, closed 11³⁰AM

WB

12-30-31, 81 Royce, Maccario and wife Eve.
Clouds - no observing.

12/20/82 Stff here for visual estimates. Found the scope set up visual. All in good order. Todd Hansen here also.

WB

1982

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2/23/82 Off here for visual estimates, disappointing evening, lots of Cirrus blowing in and out.

WB

2/27/82 Off here for repairs and maintenance. Removed about 6' of the decayed siding on the bottom of the south wall. No further insect damage found to the mud rail or any of the framing. Worked on improving the shade to the new back light. Took out some plywood to rebuild the top ~~tail~~ slide of the ladder on the observing stand. They are just gone. Reinstalled the reflector. Opened at 9am - out at 11:50am.

WB

2/28/82 J. CHARD & Patricia Mascos

Variable high clouds, mostly calm & clear, terrible seeing. Observed 8 planets & 3 asteroids. Everything OK except autoguider. Found missing panel from south wall

March 4, '82
30°F 50%
SW gusts
all night

Boyer alone. Snow melted - road clear. Windy and clear 18" f7 IIaD + WR.4 of M97 + MFC 3556 50', after moon set. All OK - Remarked counterweights for photo-set-up without astrophot camera, but with ability to jiggy-lock 35^{mm} cameras, and to carry the cardboard upper-tube shield.

3/27/82 Off here for visual estimates, terrible night, lots of wind, cirrus moving moving in, transparency dropped to near nothing. Mike Keeple visiting.

WB

4/10/82 Goff here for an inspection tour.
All in good shape, some water
stains on the observing floor
south of the telescope but all
is dry now.

WB

4/17/82 Goff here for maintenance. Finished
reinstalling the siding on the outside
south wall. One piece was
lost when the wind blew it away
but it was found by Jack Childs.

WB

4/23/82 Goff here for visual estimates.
Finished 14 u-lens. Windy 40° - 36° ;
Good night.

WB

4/29/82 Goff here with 8 people from
Fenner Canyon Camp to tour the bright
florals and moor. All in good shape

WB

5/1/82 Goff here for maintenance.
Replaced the two upper supports to
the ladder on observing stand, they
were badly split and deteriorated. We
apparently have some type of critter
living at the south wall, I guess
a gopher.

WB

1982

May 5-6
40°F 60%
no wind

Pon Royer and Ed Galowski, carpenter. Clear night, full moon. Looked at Mars, prominent N polar cap, Saturn, Jupiter with Io emerging. Seeing average. Renewed SW corner desk. Will remake platform ladder at home of carpenter.

5/15/82

Left here for visual estimates, seeing good transparency below average; no wind, good night. 10 estimates. UB

May 19-20
45°F 48%
NO WIND

Royer and Clayton Harrison, painter. 18" f7 finished tricolor set of M97-NGC 3556. Seeing excellent - but hazy sky. Vanished both dome desks. Need more coats later. Visited by local jogger Dave Klase who expressed interest in looking through scope. Gave him Bill Hoff's # phone.

5/22/82

10 estimates, Sinner Sanctum, caught BC WMA (UB) at maximum. Good night, no wind, 55°, good seeing. UB

6/5/82 Left here for repair and maintenance, ^{opened at 9 AM - closed 11¹⁵ PM.} finished installation of ladder except top step. Completed the spraying. Sprayed all of the base corners of the exterior walls on the inside to drive out insects, then sprayed outside including upward under the bottom lip. Sprayed all the soil out about 2'. It should be safe. There is a faint smell of Clorox inside now! The north wall has some vandalism, ~~and~~ good sized dents in the siding apparently from rocks being thrown at it. Some of them have torn the siding material. Paul Williams here to help with the spraying. UB

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1982

June 11-12 Ford + Goff. Opened ca. 9:30 PM PDST. Installed top step on obs'g ladder. Temp 58°-46°. Sky 0.9 transp., 0.6 seeing. Obs'd total of 12 vars including 9 sanctums. No wind, some cirrus in W. when quitting 00:15 AM PDST due to gibbous moonrise.

June 13-14. Ford, alone. Opened ca. 10 PM PDST. Windy, poor seeing, but wind decreased to zero and seeing + transp'g improved before closing up at 02:10 AM PDST. Obs'd total of 11 vars, including 8 sanctums. Temps 48°-44°. Equipment working OK.

June 14, 11-12 AM PDST. Ford, Carpenter, Goff + Bill Ritchey and his son. Made measurements + discussed plans to build + install rotating rings, to enable secondary mirror cage rotation. Verbally agreed to have Ritchey proceed with his plans for this construction + installation in the near future. Cost estimate + contract to be drawn up by Ritchey + submitted to Goff + Ford.

June 14-15 Ford, w/ Goff. Good sky, opened ca 9 PM PDST. Temp 58-54°, no wind, seeing fair. FD obs'd total of 11 vars, including 7 sanctums. Trouble with eyepiece turret rotation - too tight. Attempted unsuccessfully to fix it. Closed dome 01:05 AM PDST
June 15.

1982

149

June 20-21. Ford, alone. Opened up 10:45 PM PDST. Good sky, no wind, seeing fair to good transparency. Poor. Temp. 54°-52°. Obs'd total of 12 vars, including 7 sanctums. First use of cleaned eyepiece turret (done by Goff) - works fine now! At end of run, had to give up locating U Mic at -46° ; old Seely chart is N.O.? Will try again. Closed dome, 3:12 AM PDST June 21.

June 21-22 Ford, Goff. Opened 10 PM PDST. Sky "white" transparency fair, seeing fair, Temp. 52°-50°. Obs'd total of 5 vars, including 4 Sanctums. Obs'd (at 11:32 PM) 165312 V841 Oph at ext'd magn. 12.5 (FD), 12.7 (Goff), and old nova cataloged at 13.5 = min. (Webbink) and 13.1 (GCVS), classified Nb (GCVS) but now a whole magn. brighter than Webbink's min. A recurrent nova?
Closed up at 11:58 PM PDST.

June 23-24. Ford, Goff. Opened 10:00 PM PDST. Some hazy patches in sky, Temp. 58°-55°. Unusually high humidity, poor seeing & transparency. Obs'd 6 vars, including 3 sanctums + V841 Oph. No change in magn. of the latter since June 21-22. Closed up at 00:25 AM PDST June 24.

June 25-26. Ford, alone. Crescent moon, setting. Opened dome, 10:50 PM PDST. Muggy sky, poor seeing, Temp. 58°-56°. Obs'd total of 10 vars, including V841 Oph (still at magn. 12.4-12.5) and UZ. Sea (UG) at 13.8 (definitely not at min.!). Obsns included total of 5 sanctum objects. Did chart check on new charts for 155037 RT Lup, Closed up at 02:45 AM PDST June 26.

150
1982

June 26-27. Ford + Bilodeau. Opened at 11:45 PM PDST, moon setting. Obs'd total of 12 (FD) + 14 (Bilodeau) vars, including 6 sanctums (FD). Seeing fair, transparency fair, temp. 60° - 58° F, No wind. Stopped by dawn lite, 4:30 AM PDST June 27.

June 27. Ford + Bilodeau + his two daughters, finished placing last of newly completed prelim. charts in obs'y file. B. repaired radio antenna - now can receive KFAC OK! Closed obs'y for long term, all power turned off at main panel. Returned to WTW house 3 PM.

July 5-6 '82 Poyer + friends. Photographed total lunar eclipse. Northern portion of shadow quite dark, almost as much as 1963 one. Photos appeared on TV July 6 evening - all newscasts of KABC TV, and nationally.
48° F 60%
NO WIND

7/12/82 Stiff here for visual estimates.
Excellent night, little wind,
good seeing. Caught 2 U. Stars up.

7/13 Stiff here for visual estimates, good night, no wind.

CS

7/17/82 Stiff here for some maintenance,
all in good shape.

CS

7-21 Poyer. No wind - but lots of high clouds pushing up from SE. Looked at Saturn, Mars, Jupiter.
70° F 40%

7-22-23 Poyer. Set up for variable star fields tonight, but continuous broken clouds kept drifting up from the south. Took one plate - a polar alignment test plate!
62° F 55%
SW wind

1982

- Aug. 3-4
58°F 40% Royer. Full-moon - clear, light SW wind. Looked for Comet Austin 1982g in morning dawn light - no luck! Adjusted Polar Axis 2' down + east. Coat of varnish on new desks. Considered rotating upper-tube. Guide scope upper adapter should be merely lowered below rotating portion; no need to adjust lower bracket, gain would be minimal. Bigger problem is the manual declination bracket - perhaps it could be lower a bit and shafts shortened, and another hand-wheel put on opposite end of existing hand-wheel shaft.
- Aug 8-9 Middendorf - the dominant tree on top of Mt Peltier is Jeffrey Pine (*Pinus jeffreyi*) 3 needles, large cone, Prickle turned under, can be handled more easily than yellow pine. Small grove behind observatory and at Toilet site are Piñon Pine or Single leaf Pine (*Pinus monophylla*) the only single leaf (needle) pine here, cones resinous, contain "Piñon nuts". 3rd tree along Road is White Fir (*Abies concolor, concolor*) needles in flat rows, whitish (because of stomata) on both upper & lower surfaces. Cones 3-4" on upper branches - fall apart when dry.
- Aug 14-15 Padilla, Sorensen & Clark. Clear, no wind. Visual looking at a few Messier objects, later joined by Bill Goff and two visitors. Goff did 1 variable star estimate. Transparency & seeing fair but still good night.
- Aug. 17 Royer, Sorensen, Padilla.
65°F 50% Little wind, broken clouds. Saw comet Austin '82g in NW in late twilight, about 6th mag. - no tail. Increasing clouds.
- Aug. 18 Royer alone - light rain in P.M. Closed toward sunset,
60°F 48% SW wind. Comet Austin photographed through broken clouds, $\frac{1}{2}$ degree tail. Could get better as it comes out of twilight. Increasing clouds out of SW - no use continuing!
Poor Clint Ford will never get his new fields done!
- Aug 19-82 Hunting 2 1/2 w case P T + T - tower engineer - stepped by for look at the sun and several ³ large groups. Final varnish on desks. Left 3 plates for comet.
R. E. Royer

15282

Aug. 24, 82 Royer and Evans family. Arrived at 9:00 P.M.
60°F 60% hoping cloud cover would clear for Comet Austin.
slight wind No luck. Left at 11:00 P.M.

Sept. 9-10 Royer alone. Arrived after strong afternoon cloudburst. Puddles
50°F 80% of water under shutter - blew in. Good idea to position
closed shutter so it does not overhang the desks.

Cleared perfectly for comet Austin - long thin tail
easily visible in 18". Took photos.

Did V1329 and V1330 Cyg until last quarter moon
rose. Pretty sky with some scattered cumuli.

Comet is at $RA: 12:40$ and $+42:40$ dec, and now
moving slowly eastward and southward.

Sept 11-12 Padilla, Sorenson, Thomas, Schroeder & Stevenson. Photographed
Comet Austin in early evening. Nice view visually - tail
easily visible. Some additional photography & visual
observing later in evening. Good night - good seeing
& transparency & no wind.

Sept. 15-16 Royer alone. Cloudy down below - clouds pushing over
40-60°F 70% Blue Ridge like a giant palm grasping it, and plumes
scudding over Table Mt. Worse by dark, with
strong SW wind. Broken clouds and wind all night, and
completely overcast morning. Great "weather" observing!
Removed guide scope in preparation for tube cutting.
Festful trip - left for home at 10:45 A.M.

9/21/82 Goff here, cut off top 22" of
tube for rotating ring project

1982

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10/2/82 Ritchie and Goff here. Reinstall tube end w/ rings. Still some finish work to be done.

10/3 Goff here. Adjusted rings and lubed plungers. Some work remains w/ Dec control etc. Movement is smooth but stiff. The stiffness will aid in maintaining alignment etc.

10/7 Goff here for tune up, the rings have been readjusted somewhat and are now completely useable. Unfortunately, due to the increased weight at the big end I can't get the instrument rebalanced with present weights for the photographic accessories. It is fully useable for visual but the guide scope is not so. I have the camera at home. UB

Oct. 13-14 Poyer, Goff, Bill Schaefer, Jack Perry, Vern Hodson, Steve Padilla
50°F 50% Hood seeing, good transparency, some east wind breezes. Could only use scope visually - saw central star of ring, outer loop of dumbbell, globules in M31, H-II in M33, NGC 7662 Planetary - small, bright, cyan shows structure at 500X, a dumbbell inner loop and outer shell.

Bill Goff will add off-axis guider to prime focus camera. For 35 mm camera we will have to purchase existing off-axis guides as on market, e.g. Lumicon. It is not feasible to remount the refractor.

Will try to mount 4" f5 astrogaph lower on tube to avoid any more dec. weights.

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1982

10/15-16

Jack Child & Lynn Crevier -

Good night, citrus gone by 1am. Everything in excellent condition - Bill Goff has done an amazing job here - Thanks Bill !!

Took 2 photos of 1982TA - new Apollo object using taped on 3" refractor for guide scope. (Should be interesting!)

Remove 7 cans of pork & beans from shelf. all were swollen and unsafe to eat. We should be extremely careful with some of those canned goods - getting very old.

10/16-17/82 Goff here for visual estimates, seeing very good, 6 estimates, all inner sanctum, cirrus rolled in about 12 midnight. Mike Koepke visiting with me.

WS

10/18/82 Goff here for some minor work on tube assembly

10/24 Goff here for repair + maintenance, moved the white lights up behind the dome skirt. Much softer.

WS

10/31/82 Goff here for some clean up.

WS

11/6/82 J. Child & Lynn Crevier

Returned Autoguides (at last!) & chart recorder.

Made fixes to touch-plate system upstairs

SNOWSTORMS - no obs 11/7 thru end of 1982
