

1979

129

Dec 20/21

30°

BAH, Cloudy, windy, & snowing. 5pm Forecast was for Fair skies - I don't think they would know a Fair sky if they saw one. Worked on autoguidet.

Left in a hurry (snow). Autoguidet ready for reassembly. Micro switches were loose. Switch on paddle is for AUTO/manual. Manual n.g. with auto. attached. Bye!

Dec. 26-27

20° F 76%

lt. breezes

Clear

Poyer, Padilla, McHale, R. Poyant, and Mike Macario requests. Fixed nuts on dome motor. Connected auto-guider, but it does not kick over new D.C. relays. Leave for J. Child.

18" f7 IfaD+nr12 0817.10 GF HVA
0900^{3L} T Pyx

Looked at Jupiter, Mars (prominent N pole cap) and Saturn with rings edge-on - could see the faint but broken line. Seeing poor.

Dec. 27-28

28° F

50%

no wind
some cirrus

Poyer, etc. as above. Brought Mike M. + company out to locked gate.

18" f7 IfaD+nr12 23 2144 A7 And (12.0)
(appears to be different star than charted)

070037 ET Aur field

Scope guided very well!

1980

Jan 19-20

19° / 92%

Child/Weir Rotten night. Clouds came in about 9pm & stayed all night. Got one 15' photo of newly discovered asteroid for Cal-Tech (cut short because of clouds). I think auto-guidet is ok but relay wiring is still incorrect.

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Apr 13 Cabin & OBS'y both in XLNT cond.
40° Road is open!
40% Beautiful Nite! Worked on
supernova atlas - 10 photos ↓ Child

May 3 All is Fine. Re-took photos of NGC 3953
for poss. supernova. Intermittent
High clouds.

May 7-8 Royer - DOHER + HZ HER photographed
40°F seeing poor, dying wind.
50% Cemented flotation mirror pads.

May 16-17 ↓ Child
Fri nite lousy - high clouds
Replaced corners on OBSY Building
Installed new paddle - works fine
Overhauled tangent Arm - bearing on
eccentric shaft was frozen.
Removed excess wiring from relay board
Sat nite Splendid - no wind, clear
photo galaxies, Dumbbell
Took auto guider home
Everything A-OK!

June 7-8 Ford, ^{Belodeau} ~~alone~~, opened up ca. 9:45 PM PDST. Hazy
spots, poor sky. Gave up after 4 estimates total,
w/ 2 sanctums. Closed dome 11:50 PM. Visual
equipment all OK. Temp. 60°, poor seeing.

June 9-10 Ford, ^{Carpenter} ~~alone~~, opened up ca. 9:30 PM PDST.
Seeing fair, light wind, temp. 60°-55°.
Obs'd total = 19 vars, including 12 sanctums
Closed up 2:15 AM PDST June 10.

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June 10-11 Ford, alone. Seeing poor, windy, Temp 60° - 50° .
Obs'd total = 20 vars, including 14 sanctums,
2 new chart sky-checks. Stopped 1:48 AM PDST.
6/11

June 11-12. Ford + R. Stanton till midnite; FD alone
thereafter till closing 1:45 AM PDST June 12.
Total = 10 vars, w/ 5 sanctums, ~~1~~ 1 chart ck.
Stopped 1:50 AM PDST 6/12. Windy! Temp. 50° - 43°
cold!

June 12-13 Ford, Bilodeau. Opened up ^{9:45} to 1:30 PM,
Temp. 50° - 42° = cold! Wind very troublesome.
Total est's = 20 (FD), w/ 14 sanctums, w/ 3
chart cks. Seeing fair to poor. Closed up ca.
4 AM, pending dawn like. (PDST).

June ~~11~~¹³⁻¹⁴ Ford, Bilodeau. Opened up 9:30 PM, Temp
 52° - 44° , with moderately troublesome wind.
Total est's (FD) = 12, including 8 sanctums +
4 chart cks. Oiled wheels of ladder, put more
tension on R.A. slip wheel drive (to prevent
slipping), repaired ladder legs (new carriage bolt),
put oil in worm well. All obs'g done in E. + S.
to stay away from wind problem. Equipment
(visual) all OK. Stopped ca. 2 AM PDST
June 14.

June 14-15 Ford, Bilodeau. Opened ~~1:40 PM~~ ^{12:45 AM June 15.}
wind, some haze S + SE which eventually dis-
appeared; otherwise sky OK. Seeing fair. Temp.
 58° - 52° . Obs'd total of 10 est's (FD), in-
cluding 5 sanctums, 5 chart cks. Worked thru
till dawn like 4:15 AM PDST June 15.

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June 16-17 Ford, alone. Opened 00:45 AM PDST 6/17.
Haze S. + E. became worse, moved up toward
zenith, stopped obs'g 2 AM PDST. Est'd total
of 5 vars, all sanctuaries, before haze moved in.
Temp. 63°, no wind. Crescent moon already set.
Seeing fair. All visual equipment working OK.

June 17-18 Ford, alone. Opened 00:45 AM PDST 6/18.
Sky good, seeing fair to good, light wind, not
troublesome. Temp. 58°-57°. Total var + est's =
18, of which 11 sanctuaries. Stopped by dawn
lite 4:15 AM PDST June 18.

June 18-19 Poyer and Don Sabers. Looked at moon + planets with
54° F quests. Seeing fair. Astrophotographs with 18" f7 and
38% 35 mm cameras

S.W. breeze 145441 TT Boo 30'

165504 V 855 Oph 30'

2042^{LE} U Cap 30'

Worked till dawn light.

Asteroid plate 25' off 5' on 10' for Chab. Townsend.

Filed new paddle
by Jack Child!

June 20-21 Dome opened ca. 10 PM PDST by J. Child + R.
Gardner. Obs'g planets + testing repaired auto-guides
until Ford arrived ca. 2 AM for visual work. Est'd
total of 9 vars. (FD) before dawn lite 4:35 AM
PDST June 21. 5 charts obs. Equipment OK.

- July 9-10 1980 Royer, Mc Hale, Galbraith. 18" f7 prime focus photography
Tricolor of M27. Asteroid photo and WX Oct 0111¹⁸?
- 60°F 40% Used autoquadrant on last 2 photos - seemed to work well
Strong SW wind and voltage remained stable than before on voltmeter.
all night seeing average Do not push paddle button while autoquadrant
trans. good connected - burns out output transistors!
As per instructions of J. Child.
Washed primary and secondary mirrors with
mirror cleaner solution see. Note - autoquadrant did very well!
- Aug 1-2 J Child, Jim Hannum, Robert Gardner
65° Came over after tour of Cal-Tech
Windy Facility. Photo M-27 with hyper-sensitized
Smoky SU-115. Skies poor due to smoke. Removed
auto-guider and water trailer
- Aug. 13-14 Royer and guests, Kathy + Cliff Purnham, and Fr. Roger
60°F 30% Leroux. Observed in early evening waiting for wind to
SW gusty ease. Lightning storm over the desert.
wind 18" f7 fields photographed. LS Agl. and UV Per. Seeing
poor, but transparency excellent. Did some visual estimates.
Perseid shower about petered out - saw one!
- Aug 17-18 J. Child
Beautiful night! very still with fair seeing.
Photo NAC 2023 for tri-color. Everything
working very well. Many, many thanks to
Clint, Claude, & Fr Ron for allowing me
to use this facility!
- Aug 30- Sept 1 Padilla, Sorenson & Thomas. Visual observing
until moon rose Good night, comfortable temp. fair
transparency and seeing

Sept 9-10
1980

Nice Night. Cleared about 12, no wind.

Visual observations w/guest Sandy Bull.

1. Autoguider - tested, seems to work ok.
Should be compatible with manual controls now.
2. Small switch on paddle is now wired to slow rate: Red light on - Fast, off - slow. Slow rate determined by thermostat in upper right corner of circuit board in bedroom.
3. CB is in bottom drawer of Filing cabinet. Antenna by circuit breakers. suggest permanent antenna on top of dome. IF someone was hurt they probably couldn't get antenna up any way.
4. No Electricity From 9:10 pm to 10:20 pm
All of Wrightwood Dark too

Sept. 10-11
50°F 50%
light breeze

Good steady night - dark! fog in over the basin
Roger and Don Sabers. Autoguided 5 long exposures
RV Lgr, TT Lgr, FM C49, FC C49, V542 C49.
all OK.

Leak in hydraulic assembly of lower shutter needs finish

Sept, 24
Clear + calm
perfect day!

Came up to paint dome, but painters were not properly equipped. Fixed hydraulic leak, big job!, and painted sign on front door.

All autoguided exposures from 9-10 very good! ^{For} Roger
only better. ^{no} wind

Oct 7-8-9
8-9
good seeing
60° 30%

Two beautiful nights - just like summer. Did some work on autoguider - knife edge stuck several times so cleaned up gears, cam, & bearing. Did photos for tri-color stuff. Also photo'd Comet Encke for Jim Young at Table Mtn - their 24" is down!
Rinsed & ReFilled all water bottles

- 1980
 Nov. 5-6 Royer + Ford 18" f7 photo of TU Del 30'
 30% 60°F Royer did color of planets in A.M. sky - Jupiter, Saturn + Venus
 no wind! seeing good
- Nov. 6-7 Royer, Ford, Carpenter 18" f7 photovisual plates of
 54°F 30% Nova Sgr 1980 1816²⁵ 12' est'd magn. = 9.1 13 visual best's
 no wind Supernova in NGC 6946 203460 40' by FD.
 and planets again in A.M. sky - seeing turned very poor
~~best~~
- Nov. 8-9 Ford, Bibodeau. Opened dome 9:30 PM PST.
 Temp. 58°-50°, seeing fair, good transparency. Obs'd visually
 total = 29 vars., including 14 sanctums. Stopped
 at 4:10 AM PST Nov. 9
- Nov. 9-10 Ford, Bibodeau. Opened up right after sunset, to get
 look at new η Sgr 80 (est'd at 9.6(e)). Good sky, no
 wind, temp 54°-50°, seeing fair. Est'd total of 15 vars,
 including 9 sanctums. All equipment (visual) working
 OK. Closed dome 10:15 PM PST, Nov. 9.
- Nov. 12-13 Ford, alone. Opened at ca. 11:30 PM PST. Sky good,
 seeing fair but with unusually high humidity (needle
 reading 55%). Temp. 35°-27°, frost on car + ground
 by 4:15 AM stopping time. Obs'd total = 23 var. est's
 including 12 sanctums, 3 chart checks. RA drive
 belt doing some slight slipping toward end of obs'g.
 The first sub-freezing nite of the season.
- Nov. 13-14 Ford, alone. Opened ca. 10:45 PM PST. Good sky,
 poor seeing, no wind, no moon (set). Temp. 36°-28°.
 Obs'd total = 14 vars, including only 3 sanctums.
 Haze + cirrus clouds stopped obs'g 1:47 AM PST
 Nov. 14.
- Nov. 20 Royer in A.M. for Comet Eche. Photo in color in
 dawn light. Spray painted dome!
 30°F Closed up for long leaving, Ford.
 30%

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1980 - 81

- Dec 7-8 J Child Totally overcast, light snow.
Fixed ladder.
- Dec 8-9 J Child Clear all night, chilly.
70° light wind. Tri-color set of Horsehead.
Poor guiding - dome movement seemed
to move guide star.
- Dec 9-10 J Child Moved toilet to winter headquarters.
(NW of obsy).
- Dec. 30-31 Royce, Sorensen and guests. Visual observing
40-32°F for guests and photovisual plates of
50% NO WIND RWAND 40' manual guiding
RX Psc 40' with autoguider
Left scope set-up for visual for Mike Macario.
- Dec 31 - Jan 1 - Happy Year - Mike Macario, Rick Johnson
Eve Evans. Opened dome at 10:15 pm.
Temp. 40°F - Hum 56%. Observed M42 - M43.
Also Jupiter & Saturn. Closed dome 2:00 AM
Temp 38°F Seeing 2-4.