

at about 13th mag. Also observed other galaxies of Torax cluster, quite compact. Quit at 3:00 A.M. still clear - raining at 9:00 A.M. - windy - foggy.

Dec. 27 Poyer, Padilla, Poissant, Ribota. Strong SW wind and much high-cirrus. Returned to cabin.

Dec. 28-29 " " " No wind - 80% 40 → 32°F High-cirrus did not clear till ~ 2:00 A.M. - One plate taken. Photographed + videoed Saturn occultation at 6:40 A.M. in dawn-light. Used large eyepiece - very good results!

12/29-30 Stiff here for visual estimates, some cirrus, seeing was good, no wind.
WB

12/30 - 1/1 J. Child & Friends from OCA High clouds Fri mte & Sat, cleared shortly after new year's. Visual observing & photo T. Dr. For F. Poyer. Everything tip-top - Bill has done an absolutely superb job here. Took autoguide home for corrective surgery.

Jan. 4-5 Poyer alone. No snow around, we are under a several-day high pressure. Some East wind. Photop N5C 1365, 40°F → 32°F AKTAU, VXTAU, AC AUR, TORI. Seeing fair, 60% → 88% transparency only fair, lots of SW and S light glare. Scope et al. working well.

1/7-8/84 Stiff here for visual estimates. 12 variables, 9 inter-sanctions, excellent seeing, no wind. An extreme southern declination the rotating cage still slips a bit, but a small encouragement from an operator gets it going. Saw 18.1 mag on a chart of 466 Nov! WB

1984

1/27-28/84 - Off here for visual estimates
 11 estimates, 10 inner sanctum. Caught 2 faint U Gem
 near max and one 2 Com near min. A little breeze,
 excellent seeing. 28°

WB

Jan 28-29 Padilla, Sorensen & Stephenson. Attached
 image intensifier to 18" & observed various
 Messier objects & faint galaxies. Fantastic view
 of M42 through intensifier. Limited by very
 bright sky background on fainter objects.

Jan 29-30 J Child (wife)
 observed & photog 1984 AB - new MARS Trojan (?)
 15:5 ~ 16:0. Some high clouds, but very calm &
 Fair transparency, seeing good. All OK

Feb 25-26 J. Child, Wesley Hutchinson
 all ok. painted door - hope it's ok (pretty cold)
 20°, clear
 calm
 visual observations. Windy in LA but calm here

3/1 - Off here for estimates, but cirrus has
 brightened the whole sky.

WB

3-3/4-84 Bilodeau & family. Worked from 7:30 to 3:00.
 Temp. 38° - 30° F. No wind or moon. Seeing &
 transparency very good. Had to take time out
 to show ~~Berto~~ Brigitte NGC 2903 and talk with
 her about astronomy. It was an enjoyable evening.
 Got 15 estimates (11 sanctums). Got down to 17.3 on
 AL Com chart.

1984

3/17 Staff here for simultaneous obs. of SU Uma
for Janet Matthei per her request. All
appears well.

WB

3/22 Staff here for visuals, transparency so-so
seeing ok.

WB

3/23 Staff here for visuals, sky very good
no wind. I discovered tonight
that the 1 foot long break-away cord
on the slit power cord has been
removed and the plug put on the
main cord. The break away cord is
important to prevent damage which
happened to me tonight. I rotated
the dome without disconnecting and
broke the west outlet and bent the
plug.

I will repair, but need the cable.

WR

4/13/84 Staff here for visual estimate
of SU Uma per Janet Matthei request.
It has started down, 13.6. All
else appears well.

WB

4/20 Staff here for some visuals,
good night, calm and breezy.

WB

April 24-25, 1984 Boyer. Took prominence photos with 18" f7
and 1A hard pass filter in afternoon. Clear + dry - 40%.
Seeing poor. Very little wind, but hazy.

1984

1984

167

40% Did NGC 3169, 4559, 4605 for Rev. Evans and Gregg
 40°F → 30° Thompson of Australia on supernova atlas project.
 Building wind - no clouds Would have continued other galaxies, but very strong west, not SW, wind developed forcing shut-down at midnight. Transparency fair, seeing poor. All working well, but where is break-away cable?

40% A.M. April 25 Payer A.M. Found cable in sill below dome
 West wind track - guess it had fallen off! Waiting for high-foot moving
 moderating curv to go by for solar filtergram. No luck. 32°F
 40% → 60% Down to W/W house to meet Mr. Clinton Ford,
 30 → 16°F. dinner + back up to partly cloudy skies and light
 Cold!!! west wind, Steve Padilla arrived, looked at
 NGC 3169 for supernova, but seeing was cotton-balls!
 Eventually did one plate of NGC 2403 in spite
 of poor seeing and indifferent transparency before total
 cloud cover set in. Ground covered by light snow in A.M.

30% to 70% April 26. Ford, Padilla, Payer up in afternoon for photo
 15°F - low session of the improvements on the scope. Also solar viewing.
 bees only Photographed NGC 2683, 3631, 5457 (finally! after 2 attempts) and
 being fair 3953. Hoff and Ford did visual till midnight. Partly cloudy.
 Payer + Padilla finished at 3:00 A.M. I have solar filter
 for upcoming eclipse. J.E. Payer. Temp 47° at 3 AM!

April 27-28, Ford, Bilodeau. Good sky, but w/ some
 wind, seeing fair. Obs'd (FD) 7 vars, including
 5 sanctums. RCB est'd 7.4 (fading?)
 Closed up 3:30 AM, dawn lite, imminent
 Temp 26°

May 2-3 Ford, Goff. Temp 43°. FD total est's =
 4 including 4 sanctums. Strong wind gusts,
 seeing poor. Closed dome 00:57 AM PDST.
 Goff obs'd total = 10 ests. before FD started
 ca. 11 PM PDST.

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1984

May 3-4 Ford, Goff till midnite. Total FD est's = 14 including 9 sanctums. Sky good, light winds, intermittent. Temp. 51°-49°. Stopped by dawn like 3:00 AM PDST. impending. All inst's working well including cage rotation and New ~~Magler~~ Nagler 9mm. eyepiece on loan from Royer.

May 4-5. Ford, Bilodeau after 10:30 PM, Goff before that. Temp. 42°. Light wind, Temp. 42°-40°. FD obs'd 4 vars. before clouds (high cirrus) moved in ca. 1:30 AM PDST.

Goff here 6/21+23 for estimates

on 6/28 found the east window with screen removed and glass slide to full open position but all else in order.

6/30/84 Goff here for visials, chart checked SN chart on N6C 3992 and 6 estimates. Seeing was excellent.
US

July 24-25 Royer, Padilla, Possant, Mildendorf. Photographed 33% 60° F N6C 4490, R4 P&A. All OK. Seeing good, transparency good
NO WIND - no clouds

7/26 - Goff here, clouded out!
US

Aug. 22-23 Royer and Padilla. Hail in late P.M., clearing 53° F 70% rapidly at sunset. Saw Venus and planets. Visits viewed from Camp Teresita Pines. Very clear night. Photographed Comet TAKAMIZAWA, and N6C 7184.

8/25 Jeff here for visuals, excellent night & transparency and seeing was as good as it gets here. With some study was able to find SS 004+81, a quasar reports in SA 7/84 p. 15 at 10¹¹ Billion light years out! I was impressed!

UB

Aug 25-26 70° 60%

Jack Child here for photo. Good transparency and darkness, but poor seeing. Some wind. 13" Odyssey from Acadia outside.

Aug 30-31 Poyer. Did 35^{mm} format photography of variable fields with VR1000. Occasional breezes. Clear, seeing good. 60°F 60 → 50% humidity and falling as west wind builds. Looks very dusty in desert.

8/31-9/1 Jeff here for visual estimates, excellent seeing and trans. some seeing at closing.

UB

9-1/2 Gerry Bilecan & family & Philippe Coulombe (cousin) just here for sight seeing, etc. Seeing very good, transparency very good. No wind. Temp. 56°.

9/22/84

Keith DANSKIN arrived at 10PM DIRECT FROM M.H. TO Find Bill Goss & Bob STERENS busy on Variables. Keith worked on SN chart (OF NCC 224 (M-3)) with good binocular until Bill & Bob left around midnight - 1AM. I did more SN chart work on galaxies with 18" then a few variables until I fell asleep on top of platform at 3AM! What a scare I had!

170

1984

9/23/84

Keith Daustine STAY in obs. till sun up then cleaned
dirt AWAY from building. & other general cleaning.
wish I could STAY another night or two but must
head back to NH. sigh!

9/28/84

Golf here with a Scout group for tour
and peak show. 8³⁰ - 11⁰⁰ good time by
all.

WS

9/29

Golf here with Scout group again.
All is well. Thanks to Keith for
the work on the footing.

WS

Oct. 17-18
1984

Poyer. Did photo set up for next week and
visual observations of previous fields photographed.
Seeing too poor to photograph. Strong west wind
40% humidity 32° F. All OK.

Oct 20-21

J. Child / Robin Lilly.

Visual Observing - Mars, Jupiter. Seeing
poor, transparency OK. Nice night 30°,
little wind, clouded over 4am.
Everything OK.

Oct. 24-25
40° → 30° F
45% → 60%

Poyer and Maty Poissant. Did variable-star field
plates till 11:30 P.M. - clouds came up from SE.
Resumed at 4:30 A.M. till dawn light. Seeing fair,
foggy with thin clouds here and there. Light East-wind
breezes. Whatever happened to those good nights that
lasted all-night!

Nov. 16-17.

Ford + Golf. Clouded up night
after opening, 8 P.M.

1984

171

Nov. 18-19. Ford, Bilodeau. Opened 10 PM PST.
Sky fair, seeing fair to good. Transp'y only fair;
some high haze. FD obs'd 10 vars., 8 of them
sanctums. Found CN Ori up, at 12.7 Bilodeau
obs'd 11 vars. Temp. 28° - 25° - cold! No wind.
Closed dome 1:50 AM PST Nov. 19.

Nov. 19-20. Ford, Bilodeau. Opened 8 PM, 8:15-8:45
Searched for new comet Levy-Rudenko. Did
not find it; found later we were using incorrect
approx. predicted position. Obs'd: FD, 14 vars,
including 12 sanctums including newly charted
GX Cas. Closed dome 1:25 AM PST Nov. 20.
Equipment A-OK. Temp. 34° - 27° F. Sky "fair".

Nov. 20-21. Royer, 7-9 PM. Photographed comet
Levy-Rudenko at corrected position, magn.
 $9\pm$. Clouds during part of exposure; completely
clouded by 9:30 PM, closed dome.

Nov. 25 2-3 PM. Ford + Goff. Drove in Goff's
4-wheel over 2 in. snow on road, some ice.
Chd out scope for long leaving. Temp. 24° - cold!

12/14/84 Goff here for visuals, excellent
night. No wind, very cold 12° - 14° !
Cool night. W6