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JAN. 19

BILODEAU & JONES: Arrived 11:00 A.M. P.S.T.

Sky clear, no wind, temp. inside dome 52°.

Road up to obsy. fairly clear, although some caution advisable.

Outside of building in good condition. North wall has several dents (may have been caused by wind throwing rocks or ?).

Inside of building in good condition. Dome has not leaked, etc.

Closing down 11:30 a.m. P.S.T.

MAR 2

ROYER, MARCARIO, PADILLA, FRIGON & SORENSEN

arrived 12:30 AM. Road iced over in places.

Clear with moderate wind. Got 6 estimates with gibbous moon - seeing fair. Building in good condition. Can't remove key from dead-bolt lock when unlocked - had to leave key in inside of lock to close door.

Previous visitors to dome didn't clean up or empty trash.

March 4

Royer, Padilla, Macario. Set up.

4x5 camera on 18": Storm moving in. Left at 2:30 A.M. in snowstorm.

April 4

Macario, Padilla; arrived 6:30 P.D.S.T.
blowing fog from SW. Open at 9:00
temp inside +25°F. Closed at 10:30 due
to blowing fog. Inside temps +21°F. Frost
forming inside observatory dome. Observed
V Crt at \approx 10.6 to 10.8 - Only variable observed
before fog blew in. Building in
good condition. SW wind \approx 30 to 40 m.p.h.
Seeing very poor.

April 5 Marcaris & Padilla. Cloudy all day & most of the night. No observing. Received approximately 2-3 inches of snow during night. (2' to 3' wind waves of snow on observatory road)!!

MAY 3 Bilodeau and Jones: ARRIVED 5:30 ~~PST~~ P.M. PST Strong wind blowing with severe gusts. Temp approx 42°. Found deadbolt lock completely jammed with key unable to lock or unlock. We disassembled the lock and repaired it. Lock now works better than ever. Left at 6:00 pm

MAY 4 Bilodeau and Jones: Did not return to observe May 3 because of high winds. RETURNED May 4 to pick up DC amplifier for PEP. ARRIVED 1:00 pm PST - light to moderate wind from SW temp 46°. Checked lock on store room and tightened. Left at 1:30 pm.

May 16-17 Cragg & Steffey worked telescope on variables from 9 to 3³⁰. Some clouds early, breaking off for most of night. More fast moving stuff in at 3:³⁰. Seeing very poor except nearly overhead; transparency fairly good; 5-day moon; wind not too bad. Some 18 estimates. Introducing Steffey to the system.

May 17 Cloudy, looks like no observing tonight for Cragg & Philip Steffey - leaving at 6 PM. Bought small red bulls + some hand soap for observatory supply.

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MAY 24

Bilodeau and Jones. arrived 8:00 PST to observe lunar eclipse. moderate wind with mild gusts. temp 54°. seeing good with good transparency. unfortunately, we were not able to photograph eclipse as planned due to inability to reach prime focus with the adapter here. surface detail of moon was clearly visible throughout totality. left at 12:15

May 31 - Padilla & Sorenson. Visual observing of June 1 variable stars - 6 estimates made. Transparency fair despite some cirrus clouds in early evening. Light wind only in early eve. Rest of night - calm. Temperature - 58° F. Also made 1 lunar occultation timing. Did lunar photography using eyepiece projection.

June 1-2 Padilla & Sorenson. Did astrophotography and variable star observing. Transparency and seeing good. Light wind in early evening. Temperature 60°-56°.

June 3 Royer, Padilla, Marcano & guest - Hale Observatories astronomer, Charles Kowal. arrived 7:30 pm. Mr. Kowal examined electrical system and guiding controls as he is building an auto-guider system which will be used on the 18". First trial photograph made at prime focus with Claude Carpenter's modified camera 10 min. exposure made on R CrB field on Polaroid film. Results very successful and promising! Stars recorded to at least 15.5! P.S. Who left one down

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June 5 Carpenter + Ford. Some wind, seeing poor. Opened up ca. 10 PM PDST. Total est's made = 18 (FD), including 9 sanctums, w/ 165631 RV Her est'd at $\sim 163^{\circ}$ (e) at end of obs'g period when seeing had improved, wind decreased. Closed up 2:30 AM PDST June 6. Temp. 59° in dome.

June 6 Carpenter, Ford, Steffey + Padilla, Maranicos + 4 visitors. Four est's made before P.M. + visitors left, ca. 1 AM. Some trouble with RA setting circle; unable to locate two fields. Total est's made by Ford + Steffey = 9 ea.; by Carpenter = 4. Closed up 3:15 AM PDST June 7. Temp. 58° in dome. Decreasing wind, poor to fair seeing.

June 7 Ford, Belodeau, Steffey. Opened up ca. 9:30 PM PDST. Very windy, poor seeing, temp. ~~62°~~ 58° . Obs'd: FD 11 est's; Belodeau 11; Steffey 1; FDS on 18" only, others also using binocs. Total sanctum est's = 3. Some trouble w/ RA setting circle; more trouble in locating fields. Clouds moved in ca. 2:30 AM PDST June 8, closed up 2:45 AM.

June 8 Ford, Belodeau. Started 9:15 PM PDST. No wind, temp 64° - very comfortable weather for observing. Seeing variable, never really good. Obsns: FD 22 est's, including 13 sanctums; Belodeau 23 est's, two w/ binocs. Light wind near closing time 03:12 AM PDST June 9.

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June 9

Ford, Belodean. Opened up 10 PM PDST, good transparency, fair to good seeing, light wind increasing but never troublesome. Temp 64° - 58° . Obsns: FD total = 19 inclg 13 Sanctums; Belodean total = 21 inclg 2 naked eye est's + 19 obs'd by FD inclg 14 sanctums. Closed up 3:30 AM PDST June 10. All machinery working OK.

June 10

Ford, Carpenter, Belodean. Opened up 11:30 PM PDST. Fair to good seeing, only fair transparency, no wind, temp 64° - 61° , comfortable obs'g. Obsns: FD total = 14 est's w/ 7 sanctums; CE total = 2 w/ 1 sanctum; Belodean total = 16 w/ 7 sanctums + ~~2~~ as naked eye est's. Closed up at dawn light 4:10 AM PDST June 11.

June 11

Ford, ~~Carpenter~~, Belodean. Opened dome 11:30 PM PDST. Seeing fair to good, fair transparency, no wind, temp 64° - 60° . Obsns: FD total = 10 est's, inclg 3 sanctums; Belodean 12 est's total inclg 3 sanctums + 2 naked-eye. Stopped obs 02:25 AM PDST June 12. All equipment working OK, following repairs to R.A. setting circle gears made by Carpenter during afternoon of June 11.

June 12

Cragg, Ford, Belodean. Opened up 9:45 PM PDST. Poor seeing, good transparency. Crescent moon, setting. Temp 65° - 58° , no wind. Obsns: FD total = 23 est's w/ 18 sanctums; CR = Belodean = . Obs'd dome until dawn like 04:25 AM June 13.

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June 14 Ford, Belodean, B. Jones arrived at Obs'y
3 PM PDST. Converted from visual to PEP
Set up in preparation for test runs with
nearly-completed PEP amplifier (most recent
Stokes transistorized circuit) + modified
cell housing (improvements to diaphragm
slices). Back down to W/W house 6:15 PM

Above 3 returned 10 PM PDST, spent entire obs'g
time in testing the PEP outfit. Obtained good
reflections on recorder chart for two stars in
field of Lb Lyrae, and for 10.0 × in field
of T Delphini. Two difficulties w/ ampli-
fier(1) slow time response (2) too much dark
current recorded. Jones figured way to
remedy both problems by additions to the ampl'r
circuit. Optical problems: (1) Eye relief in
cell housing viewer; (2) cross-hair illumination
in both cell housing viewer and in guide-scope
(f/20 5" refr.) eyepiece. Roger's peanut-tube
device for illumination to be replaced by
permanently-wired bulbs in both places.

Closed up 2:45 AM PDST June 14.

June 15 6:30 - 7:45 PM PDST. Cragg, Ford,
Belodean, B. Jones, w/ guests Mrs. Cragg +
Mr. & Mrs. D. M. Overbeck from South Africa.
Demonstrated equipment, took pix, returned to
W/W house. Very windy, no use of equipment
later in evening. B. Jones stayed in obs'y
to sleep.

June 16 Ca. 9 AM. Jones left obs'y, locked up.

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June 17 Roger, Ford, Padilla at Obs'y two times during afternoon + evening. Roger installed new Masonite cover on triangular work table SW corner of dome area. Telescope converted back from PEP to visual set-up. B. Jones removed PEP cell housing + amp's when leaving Obs'y on June 16, after sleeping there on night of June 16. He will make changes in same before next test run of PEP equipment.

June 18 Ford, Carpenter. Opened up, 10 PM EDT. Gibbous moon, high winds, but sky OK for transparency. Obs'g confined to Cygnus area (NE) opposite wind source direction, and to sky-checking of new chart sketches by L. Hazel. FB checked total of 6 charts, CE obs'd 5; vars: (3 were sandium). 193030 HR Cyg; 192931 EG Cyg; DI Cyg 205830; 205332 AT Cyg; 205233 AQ Cyg; 204733 AN Cyg. Stopped obs'g; too much wind + cold temp's = 43° — 00:10 AM PDT, closed up.

July 4th, 5 Padilla, Ferguson, Soverson, Goldys. - Set up outside observatory to test new portable optics. No wind. Good seeing + transparency.

July 6-7 Roja, Marcoro, Padilla, Glowacki + ~~Goldys~~.
Long set-up for photo-visual photography.
Put on large diagonal - filters - focus test, etc.
First photos of RV Her. $\frac{1}{2}$ hr. prime focus.
Photos were good with following corrections -
both systems slightly out of focus. Some light leak
on prime focus camera. (direct light of sky not covered by tube)
 $\frac{1}{2}$ hr. prime focus photo still needed 15.5. photo-visual

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4:30 A.M. did 3 occultation timings 4° off horizon - excellent timings. Also timed reappearance of Mercury.

July 7 Cloudy. Drove Polaroids of "plate to determine axis orientation. Appear OK to this scale. Must try to square-on ~~astrophotograph better~~

July 8 Cloudy + some light rain.

July 9-10 Clear - no wind - 70°F Prime-focus photography
sy Vir 1 hour IIaD + wr 12 for AAVSO chart
RV Her " " " " " "
Nova Scti '75 " " " " "
UX Cyg " " " " "

July 10-11 Rose - Macario - Padilla still here - astrophotography continued. Good night - as last night.
M 51 IIaO plate 15 min. - Excellent.
XZ Her 1½ hour exposure IIaD + wr 12
excellent photo
Seeing good both nights - excellent at times.

July ~~11-12~~
11-12 Rose - Macario - Padilla - Andy Toth with
Occultation timings in twilight. f. 1.5 Celestron 8" Schmidt camera

N.G.C. 4565 18" Prime focus 15 min. Polaroid
30 min. IIaO - excellent results
did processing here during subsequent exposures.

10 min Plex X on M 8 + M 20 showed
all nebulosity with Schmidt camera.
Schmidt camera color still to be processed

Seeing good - some wind - Transparency good
Temp. 68°F .

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JULY 12-13 BILODEAU AND JONES, ARRIVED 10 PM PST

Light Breeze - TEMP 68°F. TESTED PEP EQUIPMENT. NEW FABRY LENS WORKS VERY WELL - GUIDING WAS MUCH LESS CRITICAL. AFTER GUIDE SCOPE WAS ALIGNED, FINDING WAS DONE VERY EASILY WITH GUIDE SCOPE. NEW AMPLIFIER WORKS MUCH BETTER THAN OLD ALTHOUGH SOME MINOR PROBLEMS REMAIN. AMPLIFIER WILL BE TAKEN FOR FURTHER WORK. TRACINGS OF BRIGHTER STARS WERE VERY CLEAN BUT THERMAL NOISE MADE FAINTER STAR TRACINGS MESSY. GOOD SEPARATION OF DARK, DARK+SKY, AND DARK+SKY+STAR WAS OBTAINED WITH 11.0 M STAR. WITH 13 M STAR SEPARATION WAS OBTAINED BETWEEN DARK AND DARK+SKY BUT THERMAL NOISE HID DIFFERENCES BETWEEN DARK+SKY AND DARK+SKY+STAR. FOR FAINT WORK WE MUST COOL THE PM TUBE AND/OR WORK ON COOLER NIGHTS. LEFT 3:00 AM PST TEMP. 64°F. SEEING AND TRANSPARENCY GOOD ALTHOUGH SOME CLOUDS NEAR HORIZON.

JULY 13-14 PADILLA + FRIGON SET UP TO PHOTOGRAPH COMET K-B-M (1975h) AT PRIME ON 18". HEAVY CIRRUS TIL ABOUT 10PM, CLEAR ALL NIGHT AFTER. TOOK 1 35MM 10320 EXPOSURE AT PRIME 5MINS, 2 4X5 POLAROID'S AT PRIME. RESULTS FAIR. COMET MOVING NORTHWARD RAPIDLY - HARD TO GUIDE ON IN DEC.

JULY 14-15 PADILLA + FRIGON CLEAR WITH MODERATE WEST WIND ALL NIGHT. GOT 3 4X5 POLAROID'S AT PRIME, 2 10320 35MM AT PRIME PLUS COLOR PIGGYBACKED. NO PROBLEMS.

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AUG 2-3 BILODEAU & JONES - 10:00 P.M. to 3:05 A.M. (PST).
TRANSPARENCY: GOOD; SEEING: FAIR+; MOON: IN ANING
CRESCENT; TEMP: 69° - 65°; WIND: LITE BREEZE (12:00 -
1:50). VISUAL RUN - JONES: 4 ESTIMATES (ALL SANCTUARY),
BILODEAU: 14 ESTIMATES (10 SANCTUARIES - FAIREST ~16.0).
BOTH OF US VERY TIRED SO WE GAVE UP QUICKLY.
ALL EQUIPMENT OK. LADDER ON PLATFORM IN VERY POOR
CONDITION.
TOP LOCK ON FRONT DOOR NOT LOCKED.

AUG. 4 BILODEAU & JONES - 11:30 - 12:00 P.M. (PST).
SURVEYED OBSERVATORY GROUNDS & BUILDING. ALL IS
OK. SECURED BLDG. & LEFT.

Aug. 5-6 Royer, Padilla, Ferguson, Roth. Photograph
till 1:00 A.M. on comet 1975 h (K. B. M.)
Easily naked-eye object - but very faint tail
just visible in blue-exposures on astrophotograph.
Used Schmidt camera also.

Watched till down on star-fields.

Clear night - 68° F. gusty S.W. wind.
Seeing fair.

Aug 8-9 Steve Padilla + Lee Ferguson. Photographed
Comet 1975 h w/ 18" at prime focus
on 4x5 Polaroid film. Also piggy-backed
35mm cameras using color & 103a-0 emulsions
Seeing and transparency fair most of night til
cirrus moved in during early morning hours.

Aug 9-10 Padilla, Sonenson + Wade. 35mm color
photography of Comet 1975h, M57, M27
+ Jupiter at prime focus + piggy back.
Seeing & transparency fair. Comet visible
naked eye. At least 1 degree tail easily
visible through 18".

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AUG 10-11 Padilla, Sorenson, and Wade.

Photographed comet 1975h prime focus on 18" with 4x5 Polaroid.

USE ALLEN SET-SCREW TO HOLD TURRET BASE OUT TO YOUR NEED R.ROYER ↑ ↓
We tried that, it didn't work.
as

Obtained good photo. Left about 10:30 AM. Jones and Janke (Guest). Wanted to test PEP EQUIPMENT but conditioning unfavorable, light to moderate wind turned into strong wind with gusts. Tried some photography at prime focus to test $2\frac{1}{4}$ " film back adapter. Seeing went from fair to poor. Offset screws on quick scope loose and binding. Lubrication fixed binding but unit needs to be removed and tightened — will do this next trip. focal plane is too far out for visual; eyepieces will fall out of turret if brought to focus. This must be taken care of as soon as possible! Apparently focal plane was moved out for photography after Aug 4. Closed up at 5:30 AM unable to locate paper disk normally placed over mirror cover.

Aug 17/18 Marcaio; arrived 6:15 found observatory in good shape except some S.D.B. left the green trash can filled with trash smelled like all hell!! Opened dome at 6:30 temp 66°F. Photographed at prime one polaroid three min exp of comet 75h. not bad too much moon. Made four variable star observations three were nocturne. Too tired to work rest of night closed at 1:15^{RDST} temp 59°F; seeing 3-4 lites SW/wind.

Aug 18/75

Macario; Swept out observatory top and bottom. Empty green trash can that I left outside last nite. Please, Please empty trash after observing sun is over thankyou. Opened at 6:00 temps 65°F visual work 22 observations 6 sections seeing most of nite about 4+. Wind from the SW mod to strong at times. High cirrus all nite in north. Closed at 2:00 P.D.T. temps 48°F.

Aug. 21-22

Full Moon - Royer, Padilla, Toth tried to photograph Comet 1975 h. All Polaroids burnt out except 1 min photo. About 2° tail visible. Head still visible to naked eye. Royer made low-power telescope that worked well for this. Used LED light source. Attempted difficult lunar occultation timing through night. No good results.

Aesthetically beautiful night 70-50°F. no wind - no clouds - very neat + clean Observatory - thanks Spike!

Aug. 26-27

Toth - Padilla - Macario - Royer. Schmidt camera and astrophotograph on 18" to photograph Comet '75 h. We had a 10 min. window after twilight with comet framed between tree and bushes. All exposures good - excellent conditions. about 5° tail in binoculars.

8° tail
in astrophotograph

Polaroids of M 11 and nova Scti '75. Good quality in spite of moon. Lunar occultation timings under increasing wind and deteriorating seeing.

New telescope set-up works well.
A good night!

1975 Aug 28-29 Cragg alone. Visual variable stars from dusk to 3¹⁵ AM. Bad SW wind all night, seeing variable (3-0), transparency 5-6; last quarter moon in Tau. Wind too severe to work with lower part of shutter open so no far southern work. Ist 56 estimates which included 38 sanctums. In better moments and high up ~~go~~ could reach about 17.0. Much appreciate telescope's being left in visual form since I arrived about dark.

Sept 26-27 Padilla & Marcario. Arrived about 4:30 pm. Found west window of obs. partly open! Apparently, unauthorized visitors had forced window open to gain entry. Nothing was found damaged or stolen except for small ladder, which was later found in the trees west of the observatory. Visitors drank all the old beer in the refrigerator & left trash in trashcan. Suspect that it was kids.

Did prime focus & piggy-back astrophotography with 18" until moon rose about 11:00 pm. Primary purpose was testing of 8-15 hr. nitrogen-baked GAF 500 color film. Did series of exposures on M17, M13, veil nebula. Also photo'd Comet 1975h in early morning.

Sept 28-29 Marcario & Padilla

Nitrogen baked GAF 500 test cont. Objects photographed NCC 6326, 7009. Had bad backlash problems; and dec relay kept on sticking. Seeing excellent, transparency very good.

Bilodeau and Jones arrived around 7:30 to use the LEP equipment after moon rose. Left around 12:00. Good ride in spite of problems.

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Sept 28-29 Bilocca & Jones. After Marcario
 and Padilla left (~12:15) we set up
 PEP Equipment for test run to determine
 source of gain problem in amplifier.
 It will take some days to analyze the
 cross-calibration tests. Had problem with
 chart recorder - it has a large dead zone which
 may be due to need for lubrication. Dec.
 slow motion continued to stick and tracking
 seemed sloppy. Closed up about 2:30.
 Filled holes in wooden ring in preparation
 for sanding and painting. Placed file in
 rear window as a make shift "lock".

Sept. 30 Royer + Marcario. Fixed dec. relay.

Oct. 1 Secured allen screws on r.a. - all worked
 fine during night run. Cloudy - but
 cleared after dark to average transparency
 58° F. No wind.

Did 1 hour exposures on following

AS Peg	210818	> II a D + rot. 12
EF Peg	211013	
Z Egu	210409	
EV Peg	214406	

all taken with
 $18''$ f. 7. + Did monitor photos on
 astrophotograph.

19% sunlit moon rose at 2:00 A.M.
 3 lunar occultation reappearances
 timed.

4-5 A.M. P.S.T. worked comet '75 L
 Poor low horizon transparency. Little
 hope of good photo. Comet faint -
 about 15' tail - very faint + narrow.

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OCT 18-19 Bilodeau and JONES. No observations were planned due to full moon. Sanded wooden ring in preparation for painting and began testing of PEP TUBES for dark current. light breeze & temperatures in mid 40's. Sky cloudy. left at 2:00 AM PST.

OCT 25-26 Marcario arrived at 6:15. Opened Dome temp 52°. Visual work of variable stars started 7:15. Mid wind from S.W. SU TAU dropped from 10.3 to 18.8 in two nights. Second very good most of nite. Padilla, Sorenson, Tregon, Goldys come up to observe the 2nd half of nite.

OCT. 27-28 Roger + John Bascom. SU Tan at 11.0 Good return lunar occultation timings. Photographed Comet 1975 K just at beginning of twilight. Prime focus polaroid shows 4' of head - faint nucleus, no tail. Moving fast - I think this was last possible morning to observe it. It is very faint, almost impossible to grab on.

Temp. from 50 to 42° F. No wind.
Some clouds in S.E.
All controls worked perfectly. Glad to see windows boarded up.

OCT. 31 - NOV. 1.

Ford + C.E. Scovil (from Conn.). Opened dome right after sunset, to observe early-setting variables including R.C.B. Light wind, Temp's 41°-39° F., seeing fair, transparency good. Total estimates = 31 for FD, same no. for CES before stopping obsq. at 3:15 AM PST Nov. 1. Total no.

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Oct 31-Nov. 1 (continued)

sanctuums obs'd = 22.

Nov. 1-2. Ford, Scovil, Bilodeau. Opened dome ca. 9:30 PM PST. Total estimates per observer = 14, w/ 11 sanctuums. Temp 52° , seeing fair, transparency good. Closed dome at 1:30 AM PST Nov. 2.

Nov. 3-4. Ford, Scovil, Bilodeau. Opened dome ca. 10 PM PST. Total estimates per observer = 23 including 12 sanctuums per FD record. Seeing poor, light wind, temp. $45^{\circ}-42^{\circ}$. Closed dome at 2:30 AM PST Nov. 4.

Nov. 4-5. Ford, Royer, Scovil, Bilodeau. Opened dome ca. ~~at~~ 11:30 PM. During the day on Nov. 4, Carpenter repaired leather belting on R.A. dial drive and installed new batch lock on front door. Total vars. obs'd per FD records = 17, w/ 6 sanctuums. Temp. 46° , seeing fair to poor, transparency only fair. Closed dome 2:05 AM PST Nov. 5.

Nov. 5-6. Ford, Scovil, Bilodeau. Opened dome ca. 10 PM. Seeing poor, very windy, gusts est'd to 30 MPH., temp. 46° , transparency OK. Total est's per FD record = 14, including 4 sanctuums. Obs'd very uncomfortable due to wind. Closed dome 1:40 AM PST Nov. 6.

Nov. 6-7. Ford, Bilodeau, R. Jones. Opened dome ca. 9:30 PM. Good sky, only light wind, seeing fair. Temp. 52° — very comfortable. Obs'd 22 vars. per FD record, including 14 sanctum est's. Jones testing PEP tubes for dark current, and took chart recorder apart & cleaned same.

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Nov. 6-7 (continued). Closed dome 2:40 AM PST Nov. 7.

Nov. 7-8. Ford, Bilodeau, Jones. Dome opened ca. 10:30 PM. Windy, seeing poor, temp. 54°-50°. Obs'd 11 vari's per FD record, including 5 sauctums. Closed dome 3:00 AM PST Nov. 8. Jones testing PEP tubes for dark current, w/ Bilodeau assisting.

Nov. 9-10 Ford (alone). Crescent moon, setting when opened dome, 10:45 PM PST. Wind gusts to 20 MPH; temp. 43°. Seeing poor, worked eastern sky only to avoid moon. Total vis. estimates = 2.2 including 6 sauctums. Closed up 2:15 AM PST Nov. 10.

Nov. 13 Ford (alone) 1-2:30 PM PST. Removed worn bottom portion of obsig ladder legs, for repairs. Reinstalled rubber mat over dome entrance which had been removed by Bilodeau + Jones ca. Nov. 6, '75 in order to repaint dome fascia board. Took ladder legs to W/W house, to repair.

Nov. 15 Ford + Carpenter 2-3:30 PM, PST. Re-bored holes for mounting repaired ladder legs. Completed repairs on same, at W/W house. Made measurements on ladder, with view to replacing with entirely new (electric?) hoist, eventually.

Nov. 18 Ford (alone). 2:30-3:30 PM. Came up to fit new ladder legs to obsig platform. Found more work to be done at W/W house to complete job (metal leg ends). Took Al pcs. from under steps at dom back down to W/W house. Completed new ladder legs ca. 5 PM PST at W/W house. Full moon, no obsig tho sky clear OK in evening.

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Nov. 20-21 Ford (alone). Opened dome 6:20 PM, ended twilight. Light wind, seeing fair, temp. 43° - 42° . Obs'd until shortly after moonrise (gibbous). Total est'd = 20 of which 8 sanctum. Closed dome 9:30 PM, too much moon but sky still OK.

Nov. 21-22 Ford + Cragg. Opened dome ca. 6:40 PM, sky OK then but w/ increasing haze + moonrise (gibbous) forcing end of obs'g 7:50 PM PST. Total FB est'd = 10, of which 6 sanctum.

Nov. 23 3:30-4:00 PM Ford, Cragg + visitors Dr. James R. Houck, Mrs. Houck + two sons, from CalTech + Cornell Univ. Talked re equipment, returned to W/W house for cook-out also attended by Jim Young, Div. of JPL Obs'y on Table Mt.

Nov 24. Ford, Carpenter. 11 AM (co.), Bitted up telescope + dome for long-term leaving.

Dec 13, 75 Marcario, Kowal, Padilla, Sorenson, Utale
Testing auto guider (fog, snow and clear weather).
temp. 25°F . guider measure light but
doesn't move telescope. Collimation problems;
drophran too large. Mod amount of
SW wind.

Dec. 26-27 Bifodian + Mundrack - 6:00 P.M. to 11:30 P.M.
(P.S.T.) Just light seeing. Seeing very poor due
to clouds. Temp. 42° - 40° . Had to take ring-
shim off of turret to use eyepieces correctly. Decided
to leave it off - at least for now.

Dec 31 - Jan 1 Padilla + Sorenson. Color photography - prime focus + piggy-
back. Cold + clear weather. Temp. 30° - 11°F . No wind!