

NW 12-13 Special trip to photo 1991 VF -
 38° new Apollo asteroid. East window
 60% broken out, but no entry. Everything
 OK, top & bottom. RA slo-mo is
 intermittent, I think a relay is
 acting up. Will check it next time.
 Good luck w/ VF. I don't think
 I got it, but hard to tell. Beautiful
 night, but not very dark. Pinatubo dust??

Nov. 13-14 ^{Don} Poyer, ^{Marty} Poissant, Curtis Christensen.
 Partly cloudy Color video early evening of moon + Saturn.
 36°F 62% Very poor seeing! Windy too.

Did 2 photos, M31 nova search and
 asteroid position plate (IIIaF^H+O) of 1991 VF
 Repaired broken window. No other damage.

Dec. 4-5 Poyer, Marty Poissant, Jim Whelan. Lots of
 no wind high cirrus - could only do a few visual obs.
 38°F 55% Fixed guide refractor mount to allow some!
 tube rotation.

1992

April 8-9 Poyer hiked in alone. Much snow on road, only
 40°F 65% patches around Obs. All OK at Obs. except front
 NO WIND wooden door was damp and swollen. Hard to
 open and impossible to close. I recessed hinges
 and soaped frame. It is still snug, but I
 couldn't do more without a plane.

Visual observations only during the night.
 Poor seeing and transparency, could only get to
 15th mag., but got Iv. Pup and Cyg. and other
 important observations.

Mounted refractor on tube - it is hardy to
 find fields from the floor. Cage will rotate,

1992

NOTE ↓

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but take care not to run the eyepiece turret into the refractor!

April 22-23 Boyer + Maty Bossant. Hiked in only last $\frac{1}{3}$ mile. Most snow melted. Occasional high clouds + haze. Did 4 plates for AAVSO.

40°F 47%
SLIGHT WIND

Telt Desert Hot Springs 6.1 quake between exposures. Didn't see any shocks while guiding. Expecting 7.5 MAB San Andreas fault quake anytime! ? ? ? ?

May 6-7

We drove in!

Boyer + Maty Bossant. Stormy and raining. Left at midnight for Maty to cover President Bush tour of L.A. riot area, as a cameraman for C-SPAN. of. Great book account.

May 13-14

52% 40°F

SW wind

Boyer alone. Lots of high clouds - Moon. Was able to do visual in morning and 2 color films of NGC 457 in Cas. Seeing improved, but trans. still poor. → Came out very good!

May 22-23

40°F 70%

slight wind

Boyer. Gave tour to 15 IAPPP seminar members. Hope to get one or two to do photometry here. Broken clouds - some visual work done - no photography possible. 14.5 limiting mag.!

May 29-30

50°F 49%

Partly to clear

Philps, STANMAN, "George + Gene" from Excalibur
Visual Observations of Jupiter, various deep sky objects
Sky very very bright but seeing held at the midnight

June 3-4

49% 55°F

SW wind

Boyer alone. Clear night, poor transparency. Did 3 AAVSO plates, FO Comae, SX LIB, and new Imp. Sco 92. Did one plate of M31 for nova-search. Worked from twilight till dawn - short nights now. It is summer here now. Warm!

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1992

- June 13-14 John Stephenson, Laurance Stephenson and Family
High wind Poor Seeing and thin Clouds Prevented any observations.
- June 23-24 Rev. Robert Evans, Dave Phelps, Marty Possant, Poyer.
60% 50°F
SW Wind
Evans observed 76 galaxies and other objects, including Abell 1377. Central star of ring nebula seen in spite of moon, high clouds, poor seeing. Poyer observed M30 92 coming up again to about 8.0.
- June 27-28 Stephenson, Sorensen, Rafferty, Webb -
Tested Santa Barbara instruments CCD camera using Mead 8" F6.3 S.C. Good Results but system need to be guided, This CCD can be used to Auto Guide when installed on 18".
Woken up at 4:58 this morning by Large earth Quake, Shaking Here was over 30 sec. with several inches of motion in ^{various} directions. However No damage here, but Expect to be clearing Rocks off the road.
- July 4-5 Padilla, Sorensen, Stephenson, Webb + Rafferty. Very windy night. Telescope was very top-heavy. Added magnet to balance scope. Set up SBIG CCD Camera on refractor and tested it for guiding. Appeared to do good job of correcting once a suitable guide star was found & focused on. Did several 20 & 30 minute exposures at prime focus & piggy-back with CCD camera guiding. Seeing fair, but strong wind blowing from the west.
- July 6-7 Poyer, M. Possant, Fred Middendorf, S.V. and Dave Phelps
60°F 50%
Cloudy + windy. No observing. Used computer to analyze previous data. Expecting stormy weather!

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July 15-16
60% 60°F
no wind

Poyer and Paul Phelps. Used computer on Saturn + moon. This Feb. very hard to get - poor sky with passing clouds from Hurricanes in E. Pacific. Full moon too. Used ST-4 guider for 2 plates of M31 - it kept going well, relocated guide star during cloud times.

Poyer painted doors + shutters.

July 16-17
50% 57°F
NO WIND

Poyer and Dick Wasson - Clear, but moon-like night. Poyer did some plates, ^{WITH NEW GUIDER.} Dick did photoelectric observations of HR6469 (V819 HERC) primary eclipse, using SSP-3A (Optec) photometer with B filter. Beautiful night for photometry!

Note Caution!!! - Found base-plate of SE dome motor cracked! - We did emergency repairs - but please stand-by switch when rotating dome so as to stop it immediately if it jams! Have noted funny noises before and did inspection. It seems OK for now - am ordering new plate!

Also leave black bag on refractor, it is necessary in beginning ST-4 run.

July 22-23

55% 56°F
NO WIND

Poyer, Phelps, Jim Whelan - Engineer. Did plates with auto-guider. Usual, and CCD imaging - Poor seeing, average transparency.

NOTE - Oiled gear housing of dome drive - much needed. Base plate down for welding.

Please - Please secure tightly shutter cable so it does not hang up upon dome rotation. Poyer OK to rotate as is!

<p>232 1992 July 25-26 58^{0F} 62^{0RH} No wind</p>	<p><u>NOTE</u> Dome works well on 1 motor - other still being repaired Remote cage rotor switch cable severed by sharp edge of dec weights, Run cables down front of pier - not by the corners. Stephenson, Sorensen - Very Good Seeing, Sky Darker than Normal for this year. used ST-4 TO Auto guide on m27. Computer Cable between ST-4 and IBM AT is Now Run under The Floor (Across the ceiling of clock drive room). Tested 6" F5 Refractor for possible use with ST-4 and Finder on 18"</p>
<p>July 29-30 48% 58^{0F} some W wind</p>	<p>Poyer and Dave Phelps. Did visual variables, SSCyg is on a rare - slow maximum. Dave did imaging rest of night with computer Great job, Stephenson on the computer cable!</p>
<p>July 30-31 48% 57^{0F} NO WIND</p>	<p>Poyer, Good night - Did photography all night. All exposures guided with SB15 ST-4 tracker, worked perfectly. - Photos were best guided ever!!! ↓ repaired severed remote cable, but cage does not turn ??? Help Stephenson & Fast R.A. works OK.</p>
<p>Aug 1-2 60⁰ No wind Note:</p>	<p>Jack & Marcie Child - Celeste's First Trip to the Obs'y. Photo 1992 OJ (14.5) For McNaught. RA slo-mo not working at all in one direction only. Believe it to be a relay problem. I think dome works better on 1 motor - it's quieter. All else <u>OK</u>. Good night, not very dark but quite pleasant. Seeing good. The wide-field Televue 40mm exp. was sucked out of the turret by the unrelenting force of gravity. It survived, but a most disturbing incident. Keep these set screws tight. Also, drive belt on RA circle has been damaged. Looks like it caught between something</p>

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- Aug 5-6 Tom Cave, Connie Chronos, Steve Padilla, Father Royer, + Tom Cragg used 18" all night. TR fairly good, Seeing not very good. Saturn was not great. Slightly gibbous moon. Primarily worked variables. CR got 19 estimates including 11 sanctums. Faintest est was UV Per at 17.3 using new sequence. A little slip in the RA circle was giving a little trouble near end of night, otherwise everything worked well (including only one motor driving the dome rotation). Temp started out at 72° and fell during the night into the low 60's. SW wind all night.
- Aug. 6-7 Tom Cragg observed all night alone variables visually. Reasonable temperature all night, transparency very good, seeing only fair. 34 estimates, 16 sanctums, faintest was 16.1 (RW Lyr). A number of "b" charts missing from collection caused significant finding delays. Slipping RA circle contributed to finding problems. All in all everything worked rather well.
- Aug. 26-27 Royer alone. 11 visual estimates. Faintest 15.5
2 M31 plates autoguided for nova search.
Replaced dome motor on new - stronger mounting bracket thanks to Gerner Machine shop!
PLEASE - Secure shutter cable well, otherwise it will get caught and do damage!
- Sept. 2-3 Royer + Padilla. No observations! Cloudy. Tightened R.A. circle belt.
- Sept. 9-10 Royer alone. Several photos of F θ Sagittae which is declining in mag. and has an uncharted 10" or so E. companion that has risen from 13.0 mag. Sept. 6 to 12.1 Sept. 9 and was about 12.6 tonight?
48% 52°F
NO WIND
FULL MOON

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1992

Sep 19-20 J. Child, Greg Fisch, Robert Hadd,
54°/547° Bill Hall -

Evaluation of ST-6 CCD camera, Follow up observations of 1992?? - main belt asteroid with ST6 and Schmidt Camera. Everything is OK. May have a stripped thread on one of the posts on the RA slow-mo assy downstare.

Sep 23/24
windy, warm
sprinkles
mod w wind
60% / 58°F

Roper, Sorensen, Poissant, Padilla

Installed guide scope. Two plates of Andromeda, one of FG Sigitae

CLINTON B. FORD DIED TODAY
IN CONNECTICUT R.I.P.

Sep 27-28

Jack & Marcie Child

Still chasing those stupid asteroids!

Beautiful night, 95% dew, good seeing.

Used ST-6 CCD camera to photo asteroid fields. Everything working beautifully. Used two barlows on new refractor (nice!) to guide 15" - good images.

Sep 28-29

J & M Child again - got my asteroid
May a few more to nail it down
all ok

Oct. 7-8
52% 48°F
NO WIND

Prayer alone. Searched for Comet Swift-Tuttle - no luck - too much moon. Spent 50' on AM HER, that varied before my eyes from 13.8 to 14.8 in ¹⁵10 minutes, to 15.2 and flickered there rest of the hour. Did 35mm + Paracorr photo of 56 SGE. Seemed to track very well.

- OCT 11 Stephenson, Stopped by to Do Some Repairs, repaired Cable for Cage rotation, Changed EOP-WOP Switch on Guiding Panel I am taking the CCD Reflex Adaptor home for modification.
- Oct 17-18 J. Child / J. Stephenson
Asteroid Follow-ups: 1992582 -
Intermittent high clouds, but got 4 good images with ST-6. All ok. Returned the Kaval Antiquador - it's in the dark room.
...: It's impossible to be here and not feel Clint's presence. May he be among the stars.
- Oct 23-24 J. Child / G. Fisch / R. Staehle
- in search of asteroids! but found only clouds, rain, hail, lightning and no power the entire evening. All ok —
- Oct 25-26 J. Child / R. Staehle
Asteroid hunting. Beautiful night, telescope working great. Vertical adj. on guide scope is really tight - I can hardly turn it.
- Oct 28-29 Porisant / Rayer
Ch, wdy 35°F
100% Hum. In pursuit of Comet Swift-Tuttle. Had to deal with mt. top level clouds blowing by dome. Two shots made w/ Nikon and guide refractor 12 min exp. WD 40 applied to vert. adj. on guidescope, OK now. Caulking to be applied to seams in top shutter. New motors for dome rotation too large scratch that idea.
Comet looked real good, easy to see through both scopes, very blue
winter is coming.

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CLAUDE B. CARPENTER

R.I.P. Nov. 24, 1992 - died in Lakewood, Calif.

Oct 31-Nov 1

Temp
46°-32°F

60% Hum.

Padilla & Sorensen plus three guests. Used scope for visual obs of various Messier objects and Mars. Seeing fair to poor. All functioning well. Cool night with no wind and fair transparency when moon set.

Nov. 4-5

34°F 75%

Observer alone - no wind. Much high cirrus, hard to work. Did 2 photos of Comet Swift-Tuttle, it is at 5.9 mag., no visible tail, only fanning to one side, and blue-green.

Brought tracker and computer down for the winter.

Nov. 18-19

30°F 75%
NO WIND

Observer - Marty Possant and Bill Brummond. 3 plates of Comet Swift-Tuttle at about 5.3 mag. Looks the same, but nucleus more pronounced. Did plate of M31 for nova search. Poor seeing and transparency. Left long refractor on scope for continued photos of the comet.

Nov. 25-26

24°F 57%
E. WIND,
LIGHT

Observer alone. Did Comet Swift-Tuttle again. Looks about the same - not naked-eye. 2 plates of M31 nova search.

Nov 27-28

34°

Some wind
am

Jack, Marcie, Celeste, Greg Fisch
Follow-up images of Asteroid 1992SO2 (discovered here at Ford obsy) Used 516 CCD camera. Also images of SWIFT-TUTTLE with 6" FS. Beautiful night - Venus-Moon conjunction, calm, seeing Fair. A-OK
Had visitors from obsm, showed them around

Dec 1-2

42°

J Child, Greg Fisch
Follow-up on 2nd asteroid. Intermittent clouds, but good night. All OK

Dec. 2-3 Royer alone. 3 photos of Comet Swift-Tuttle into the wind. 1st exposure OK because I could keep bottom shutter closed. About 5.0 mag, but tail weaker. Strong nucleus now. Left early in morning with a storm blowing in.
33° 48%
STRONG WIND
some clouds

Dec. 16-17 Royer and Marty Poissant. 1½ hours in over 2 feet of snow. 3 photos of Comet Swift-Tuttle as it fades away to the SW. One M31 photo nova-search.
63% 27°F
moderate
W WIND

Dec. 21-22 Jack Child and Don Royer skied in 1.5 hours, good snow with recent dusting of powder.
65% 20°F
LT. WIND
Did photo set on Swift-Tuttle low in SW.
JC - 5 survey sequences looking for asteroids
~ 7hr +16°, including 2 Fields of Tautatis
beautiful weather but seeing poor.

Dec 23-24 J. Child - well, here I am again. Reported Dec 22 fields for follow-up. Gorgeous days & nights, but not very dark. Seeing poor. Brake indicator on RA circle - everything else ok. Tried to get digital circles working but they just don't seem to work. Clutch/brake on RA is very tough, also. * The rectangular piece we sometimes use as a nut for extra counterweight has a very worn & thin thread. I suggest we only use it with the regular retaining nut!
20°F
No Wind
-41

Jan 2-3 Happy New Year! J. Child & G. Fisch. Skied in with computer & CCD camera - ygh! Never again, over 2 hrs, lots of snow. Did 10 pairs of images looking for asteroids. Beautiful night, seeing fair to poor. Everything seems to be working ok. Not as much ice on the floor as last time.
No Wind!
8°F