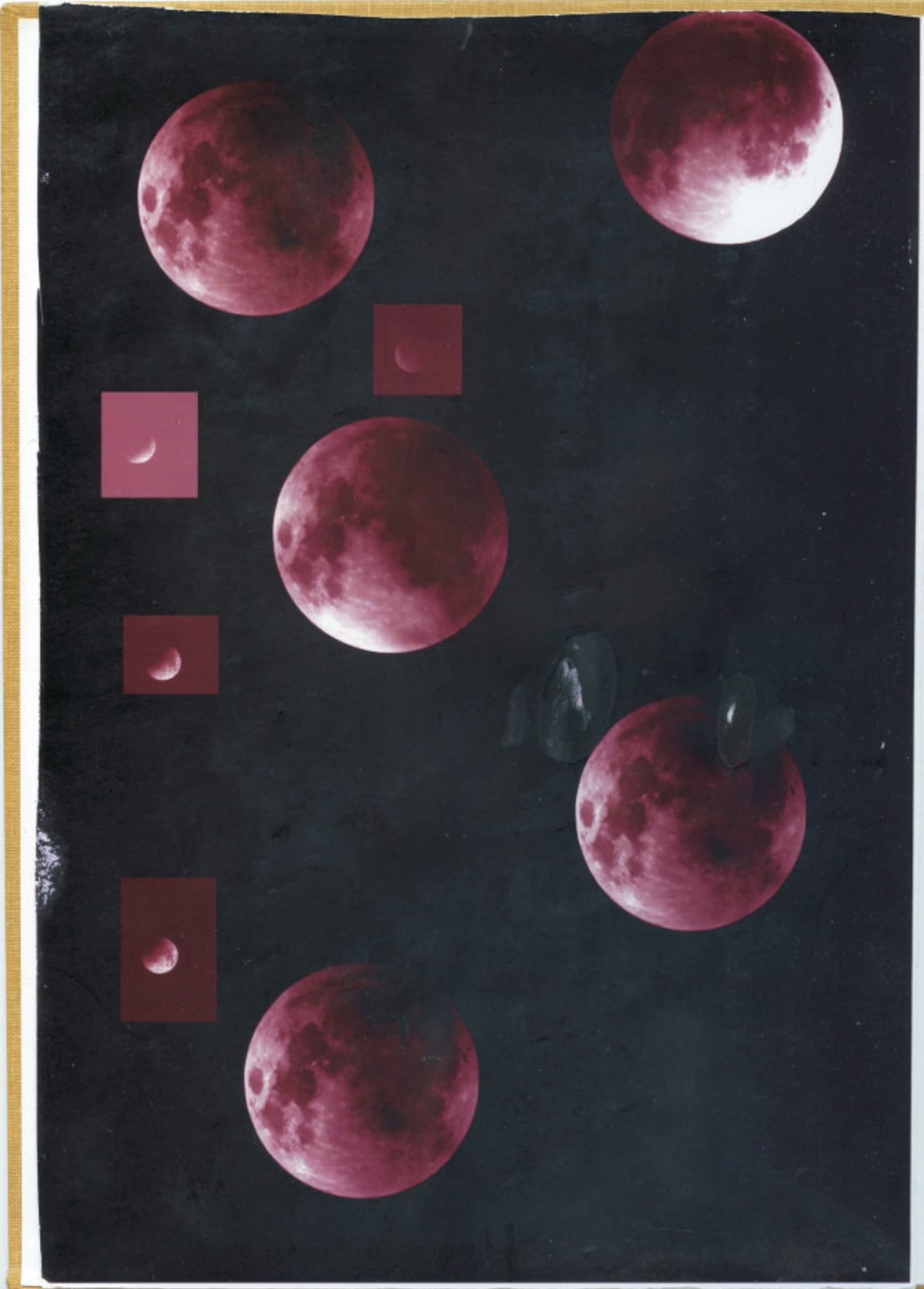


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Summer of 2007 or thereabouts

Jarnac Observatory
Log 23

begun
August 27, 2007



Jarnac Observatory

@

110°43'10" W.

31°05'35" N.

08-07

15626AN. August 27/28/31 Jarnac / 2000 to 0500,
first half until 2300 intermittent.

Sarcel - Total Eclipse of the Moon.

At around 1:50am I began to notice a minor shading on the NE area of the Moon. There was a 10-minute when all the C was immersed in the Earth's penumbra before first umbral contact came. I informally timed some crater contacts, esp. Tycho - and Mike Terenzi arrived just before totality.

It was a very dark eclipse $L=1.5$. There was also considerable detail & color alterations within the umbral shadow of \oplus . Even:

CN3 0.5" E.

CN3d.

and some meteors.

A very happy & successful eclipse.

15627M. August 28 / 2300-2330 / 7 / Jarnac / C.

15628M August 31 / September 1 / 0345-0520 /
3 / Jarnac / Mike Terenzi / 2007 Aurigid
Meteor Shower. Mike, Wendy & I saw 29
meteors. Not bad, but hardly a storm.
The Aurigids were even helped along by
some other meteors.

So both these events were successful.
I enjoyed them very very much.

15629M. September 7 / 0345 to 0500 / 10-3 / Jarmac /
CN3 0.6^hE. CN3d.

15630M Sept 8 / 0345 to 0520 / 3 / Jarmac /
CN3d 0.7^hE. CN3d. ISS out 0510
nice high pass.

15631ME Sept 9 / 1915-2000 / 3 / Jarmac /
CN3LII. 0.1^hW.

15632M2 0400-0510 / 10 / Jarmac /
CN3d 0.3^hE. CN3F.

15633E Sept 10. 1915-2015 / 3 / Jarmac /
CN3LII. 0.1^hW. C

15634M2 0400 to 0500 / 10 / Jarmac /
CN3d 0.6^hE. CN3F.

15635E. Sept 11 / 1930-2000 / 3 / Jarmac /
CN3LII 0.1^hW.

15636M2. 0400-0500 / 0400-0515 / 3 / Jarmac /
CN3d 0.1^hE. CN3F.

15637E. September 12 / 1915-2000 / 3 / Jarmac /
CN3LII 0.1^hW.

15638M2 0400-0500 / 10 / Jarmac /
CN3d CN3Fmn 0.5^hE.

09-07

Jarvis

15639E September 13/1915-2000/3/Jarvis/
CN3L 11 O.15W.

5610

15640E2 2230-2300/3/Jarvis/Wendee.

15641M3 04330-0515/3-21/Jarvis/ CN3 Q5^h
CN3FR 11m.

15642E September 17/171810 to 2030/9/Vail
astronomy club session at Cor. Fills. M.S
~60 people there.

15643M September 24/25/0430-0535/T-m, 10/
Jarvis/CN3F, CN3R11, CN3d O.2^hE

15644E September 25/1900 to 2030/7/Jarvis/
Dean/ CN3 repair of Miranda computer.

15645E Sept 26/1900 to 2130/7/Jarvis/ Thom Peck
CN3 alignment of Miranda.

15646E Friday Sept. 29/1900-2130/9-8/ Starry
Nights Festival in Yucca Valley/ Jupiter &
Moon with Cupid.

15647E Sat Sept 30/2130-2200/7/Starry Nights/
Cupid/ Moon.

15648E ^{Sunday} October 2/0. 2040-2200 int/7/LA with
Scotty.

15649E. Saturday, October 14 / 2200-2215 mt. /
after lecture in Lehigh Valley.

15650M Sunday, October 15 / 0430-0530 /
10 / Journal CN3 0.4 E.

15651E (before 15648) October 8 / 1900-2030 /
10 / Journal (CN3 1^h W. Az Star
pictures

15652M2 Monday, Oct 16 / 0430-0550 /
10 / Journal CN3 0.3^h E.

15653E Tuesday Oct 17 / 1800 to 2030 / 7-9 /
W+DL Observatory, Corona de Tucson /
SS3. Sharing the Sky session

15654E Wed Oct 18 / 10-1015 / 10 / Journal /
Mintaka / SS2 0,0.

15655E2 19-20 / 10 / Journal / CN3 mn.

15656M.2 0415 to 0545 / 10 / Journal /
CN3d, CN3 kmf. 0.30^m E.

15657M Thu Oct 19 / 0415-0608 / Journal /
CN3d kmf

15658S Fri Oct 20 / 1500-1515 / 10 / J / SS2 0,2. Mintaka

15659M Fri Oct 21 / 0415-0608 / Journal /
CN3d kmf. GA² CMPI 8 Orionids.

09-07

15665S. Sat Oct 20/1400-1451/10/Jamaica/Mintaka/SS2 O, 2

Sintia

15666M. Sat Oct 20/0415-0540/10/Jamaica/
CN3d/kmn 0.5h E. 50 rounds CMP1.

15667S. Sun Oct 21/1500-1515/10/Jamaica/
SS2 with Mintaka O, 1. Windy.

15663M2 0415-0525/10/Jamaica/Very windy
CN3d 0.3h E. CN3kmn.

15664M Mon Oct 23/0415-0535/10/Jamaica/very
windy + cold again/CN3d 0.6h E. CN3kmn

15665E Tues Oct 24/1940-2000/7m/Jamaica/CN3LII.

15666E ~~alpha~~ 15656 Oct 16/17/1900 to 2330./10/
Jamaica. SS3. Sharing the Sky session
for visitors from the Smithsonian. + Dan
Brosious.

15667E October 25 Wed/1900 to 2300/7/Jamaica/
CN3m. Comet Holmes (17P/Holmes)
has made a terrific outburst from 17th
magnitude to 2. It looked like a star
+ a bright star - tonight with a very
faint thin coma surrounding it.
No evidence of a tail.

15668E Thu Oct 26/1900-2245/7m/Jamaica/
CN3m Comet Holmes very bright.
Moonlight collector session near Kitt Peak.

15669E Fri Oct 27/1900-2245/7m/Jamaica/
CN3m Comet Holmes.

Mintaka

15670E Sat October 28/2000 (072230)
7m Jarmac / CN3m Comet Holmes

15671E Sun Oct 29/2000 to 2230/3 Jarmac/
CN3m Comet Holmes

15672E Tues Oct 30/2000 to 2245/3 Jarmac

15673E Wed Oct 31 Halloween/1900-2230/int/
10-3/ Jarmac / CN3m - Comet Holmes
now no inner coma but coma larger
bright.

15674E Thursday, 1 November /1915 to 2300/int/
10 / Jarmac / CN3mini Comet Holmes
through the Pegasus.

15675E Friday, November 2 /1930 to 2300/int/
10 / Jarmac / CN3mm Comet Holmes
is spreading out slowly but not fading,
through the Pegasus.

15676E Saturday, Nov-3 /1630 to 2300 int/
10-3 / Jarmac / CN3mm. Comet Holmes
very pretty! German TV crew
accompanied me.

15677M2 0400 to 0600 /10 / Jarmac/
CN3Km & 0h 30m E. Accident
involving Miranda and roof.

10-07

o/
times

5678 Sunday, the fourth of the November.
11:30 to 13:00/3 Jarnac / Steve Peterson,
Wendee / repair + recollimation of Miranda
successful! SS2 0,0. with Mintaka.

Jarnac/

Jarnac

15679E2 1700 to 2100/10-3/Jarnac/ working with
Daniel + his German TV crew. Comet Holmes,
CN3m L.

30/inst/

1568013 0415 to 0630/10/Jarnac/ CN3L 0.8^hE,
CN3R II, CN3, CN3F CN3m. CYP-1 Taurids. 0

inst/

156815. Monday, Nov 5/1700 to 1715/3/Jarnac/ SS2 0,2

15682E2 1900 to 1920/3/Jarnac/ CN3Ln.

inst/

15683E. Saturday, December 1/1850-1905/3/Jarnac/
first clearing after very long bout of clouds /
glimpse of bright ISS.

ling,

1568412 0415-0430/11/Jarnac/ low cloud over sky.

st/
res

15685M. December 2, 2007/0415-0600/10/Jarnac/
CN3 d Fkmm 0.8^h

15686E December 3/1805-2200/10/Jarnac/ CN3LII.

15687M2 0420-0610/10/Jarnac/ CN3/ Fkmm 0.8^hE.
CN3e TVGw.

15688M December 5/0420-0605/10/Jarnac/ CN3leftkmm
1hE

- 15629M December 6/ 0420-0620/ 10/ Jarnac/
CN3 deftkmn 1h E
- 15690M December 8/ 0435 to 0555/ 3/ Jarnac
CN3 deftkmn 0.6h E.
- 15691S December 12/ 1300-1315/ 3/ Jarnac/ SS2 0, 1.
with Mintaka.
- 15692E2. 2200-2330/ 3/ Jarnac/ CN3h installation
with Dean. CN3H now returns to its original
work with Esther.
- 15693S December 13/ 1645-1700/ 3/ Jarnac/ SS2 1:16, 1pr.
- 15694E2 1739 to 2200z/ 3/ Jarnac/ SS3, CMI-
Session with Vail Astronomy Club at school.
- 15695S December 14/ 1645-1700/ 3/ Jarnac/
SS2 1:16, 1.
- 15696E2 1830-2300/ 7-10/ Jarnac/ CN3LII, Comet
hunting with Lothar and Paula's Minnowbrook
lens.
- 15697MB 0425-0615/ 10/ Jarnac/ CN3 deftkmn/ 0.6h E.
- 15698S Dec 15/ 1520 to 1600/ 10/ Jarnac/ SS2 0, 2pr.
- 15699E2 1920-2245, / 10/ Jarnac/ CN3LII

12-07.

15700M3 0415-0610/10 | Jarmac | CN3dfhkm | 1^h E.

15701M December 16 | 0505 to 0615/10 | Jarmac | CN3dfhkm | 0.7^h E. Jawoke late, at 5am to see a clear sky + low wind. Great session!

2 O₂ | 15702EM December 17 | 1830-0130i | 7, 10 | Jarmac | CN3L11.

lution
iginal 15703M2 0415-0630/10 | Jarmac | CN3dFhkm 0.8^h E

15704S December 18 | 1630-1645/10 | Jarmac | SS2 0.5.

1:16, 1pr. 15705EM2 1900-0230/10 | Jarmac | CN3L11, CNBP-1

had. 15706M3 0420-0625/10 | Jarmac | CN3dfhkm. 0.7^h E.

15707S Dec 19 | 1600-1615/10 | Jarmac | SS2 0.2.

15708EM2. 1900-0230/7 | Jarmac | CN3L11, CNP1, CN3e.

at
back 15709M3 0425-0625/10 | Jarmac | CN3defhkm 0.7^h E

15710S Dec 20 | 1645-1700/9 | Jarmac | SS2 0, 2.

E. 15711E2 1800-2300int/7m | Jarmac | CN3L11.

15712E Dec 21 | 1830-2330i | 10 | Jarmac | CN3L11.

15713M2 0430-0446/10 | Jarmac | SS2 0, 2

15714S. Dec 22 | 1630-1646/10 | Jarmac | SS2 0, 2.

- 15715E2 December 22 | 2300-2315/10 | Journal
- 15716E Dec 23 | 2300-2315/10 | Journal
- 15717S. Dec 24 | 1600-1700/3 | Journal | SS2 0, 4.
- 15718S. December 25 | Christmas Day | 1630-1645/10 | Journal | SS2 Cordelia 0, 5.
- 15719E2 2240-2255/7m | Journal
- 15720S. Boxing Day | 1700-1715/10 | Journal | SS2 0, 3 with Cordelia.
- 15721EM2 1900-0100L | 1701900-0100 with 10, 7 | Journal | CN3h/m 0, 1 E
Found Comet Tuttle.
- 15722S. Dec 27 | 1530-1615/3 | Journal | SS2 0, 4.
- 15723 E2 1900 to 2245L | 10, 7 | Journal | CN3h/m.
- 15724E Dec 28. | 2100-2115/3 | Williams Arizona | Mars through binoculars.
- *15725E Dec 29, Wendell's birthday. | 1900-1915/7 | Williams | Mars, M42 w. binoculars.
Happy birthday, Wendee.
- 15726S. Dec 30 | 1715-1730/10 | Journal | SS2 0, 6.

01-08

12-07

15727E2 1900-0000/10/Jamaica. CN3h.

2008.

15728S January 1, 2008. December 31, 2007.

1630-1645/10/Jamaica/SS2 0,8

2008

15729S. January 1, 2008. 1615-1630/2/Jamaica

SS2 0,0 through slippery clouds:

15730S. Jan 2 | 1670-1715 | 3 | Jamaica | SS2 0,0.

15731S Jan-6 | 1700-1715 | 2 | Jamaica | SS2 0,0.

15732S Jan 7 | 1600-1615 | 3 | Jamaica | 3 SS2 0,2.

15733S Jan 8 | 1715-1730 | 3 | Jamaica | SS2 0,2.

15734EMZ 1930-0200 | 3 | Jamaica | CN3fg kmn.

Frustrating trying to get Esther to work.

15735S Jan 9 | 1345-1410 | 3 | Jamaica | SS2 0,2: 1 big pr.

15736E2 1900-midnight/Int | 3 | Jamaica | CN3h.

15737M3 415-630 | 10 | Jamaica | CN3fg kmn.

15738S Jan 10 | 1700-1715 | 10 | Jamaica | SS2 0,2

15738E2 2000 to 2245 | 10 | Jamaica | CN3fg kmn | still frustrating with Esther.

15739M3 0415-0615 | 10 | Jamaica | CN3fg kmn | CN3 0.4' better with Esther.

- 15741S Jan 11, 2008 / 1700-1715 / 10 / Jarmac / SS2 0,1
- 15742E2 1900 to 2245 / 10 / Jarmac / CN3h / CN3b Q1h
- 15743M3 0415-0645 / 10 / Jarmac / CN3 Fghmm / 0.4h
- 15744M4.S. January 12 / 0330 / 0345 / 10 / Jarmac / SS2 0,1
- 15745E2 1830 to 2008 / 9-1 Jarmac / Marriot Justin Motta / CN3h. With Obadiyah: Mars, M79, NGC 253, M42 w/ Miranda. Comet Holmes with Pegasus.
- 15746E Jan 13 / 2200-2215 / 7m / Mt Allison University, Sackville, N B / The Moon
- 15747S Jan 16 / 1350-1415 / 7 / Montreal / The Moon
- 15748E Jan 17 / 1900-2300 / Jarmac / 7m / CN3h
- 15749M2 0425-0615 / 10 / Jarmac / CN3 Fghmm CN3d 0.8h
- 15750S Jan 18 / 1700-1715 / 10 / Jarmac / SS2 0,4
- 15751E2 2100-2300 / 7m / Jarmac / CN3h
- 15752M3 0425-0640 / 10 / Jarmac / CN3 Fghmm 1hE
- 15753S Jan 19 / 1700-1715 / 10 / Jarmac / SS2 0,5 - five faint prominences

02-08

01-08

~~12-07~~

0.1 15754E2 2200-2315i / 7m / Jarmac / CN3h

5 Q14 15755 Jan 20 / 1600-1615 / 10 / Jarmac / SS2 0,5.

4h 15756E2 1930-2300int / 3 / Jarmac / CN3h.

15757S January 21 / 1645-1700 / 10-3 / Jarmac SS2 0,
faint prominence - that is all.

skin 15758S January 28 / 16-15-1630 / 3 / Jarmac / SS2 0,15,

M79, lines 15759E2 1900-2330int / 3 / Jarmac / CN3h

15760E Jan 29 / 2230-2245 / 3 / Jarmac.

15761M2 0430-0635 / 10 / Jarmac / CN3eFhkmnt /
CN3 0.6h.

15762M. Jan 30 / 0425-0640 / 10 / Jarmac /
CN3eFhkmnt. 1hE.

15763M Jan 31 / 0430-0635 / 10 / Jarmac / CN3eFhkmnt.

15764B Feb 11 / 1630-1645 / 10 / Jarmac / SS2 0,8 prom.

4. 15765M February 1 / 0430-0650 / 2-3 / Jarmac /
CN3eFhkmnt 0.1h E. Very windy on-and-off.
Storm rapidly moving in. 1 meter.
Very successful! Finally I figured out
how to fix Esther by setting date & time
correctly.

15766S Jan 29 / Jan 29 / 1650-1705 / 10 / Jarmac / SS2 0,1p

- 15767M2 Feb-2 2008 / 0415-0625 / 10 / Jarnac /
CN3 ephemeris 0.8^h E.
- 15768M February 4B / 0425-0630 / ~~10~~³ / Jarnac /
CN3 etc. Lots of clouds.
- 15769M February 5 / 0430-0640 / 10 / Jarnac /
CN3 ephemeris. Clear but humid.
- 15770B. February 5 / 1630-1645 / 10 / Jarnac /
SS2 9 3 prominences
- 15771M2. 0410 to 0630 / 10 / Jarnac / CN3 ephemeris /
Clear, beautiful, 3rd mag r in Ori seen.
- 15772E Fri Feb 8 / 1230-1300 / 7 / London / No ISS seen.
- 15773S. Saturday, February 9 / 1205-1300 / 7 /
Kensington Hall, London / SS2 0, 3 prominences
- 15774E2. 1820-1845 / 7 / Kensington Hall, London /
nice evening; 3rd magnitude stars seen.
- 15775M February 10 / 410-620 / ~~10~~³ / Jarnac /
CN3 ephemeris. 0.5^h E.
- 15776M Feb 11 / 12 / 405-630 / 10 / Jarnac / CN3 ephemeris /
0.5^h E.
- 15777M February 16 / 0400-0415 / 10 / Jarnac /
CN3 ephemeris 1^h E.
- 15778EM February 19 / 2330-0030 int / 7-m / Jarnac /
Eclipse tomorrow - hope it is clear.

02-08

15779S. Feb-19/1730-1745/10/Jarnac/SS2 with Cordelia: 0.

5780S. Feb-20/1730-1745/31/Jarnac/SS2 w/ Cordelia SS 2 0, 4.

15780E2 February 20/21 | Total Eclipse of the Moon.

1810 to 2300/7-3/Jarnac/observing
with Jimmy & Lainey Stewart (KVOA Channel 4),
Thom Peck, Tim + of course Wendee

The sky was pretty clear at the start, although
clouds were gathering on the northwest - heavy
cirrostratus.

We observed the Hubble Space Telescope
at around 7 pm crossing 10° N of Spica.

We also observed a H magnitude Iridium
flare just as totality was starting.

The partial phases were beautiful. We
watched the great shadow work its way
across the Moon's surface.

Totality began beautifully. At mid
eclipse the Danjon value was about 3,
a nice bright shadow. The Moon was
perched in H a rich background of
stars, and Regulus and Saturn
surrounded the Moon beyond the
telescope's narrow field of view.

The cirrus came just after mid-totality.
By the end of the eclipse, especially
the waning partial phase, it was
pretty overcast. A great eclipse!

15782S. Feb-21/1700-1715/10/Jarnac/SS2 0, 3.

15783E2. 2230-0000/31/Jarnac/trying to fix
focuser on Clyde.

15784E. February 22/1900-2330 int/11³/Jarmac/
further attempts to get Clyde's focusser
working. CN3e.

15785S February 23/1715 to 1730/3/Jarmac/
SS2 with Cordelia 0, 5 prominences.

15786E2 Feb-23/2300-0000/3/Jarmac/
further attempts to get Clyde's focusser
working. CN3e.

*15787S Feb-24/1330 to 1730/3/Jarmac/
Finally succeeded in getting Clyde's
focusser working! SS2 0, 4 prominences

15788E2 February 25/155-2330 int/3/Jarmac/
CN3e.

15789E Feb 26/2315-2355/3/Jarmac/CN3e

15790M2 0410 to 0615/10-windy/5/CN3efhkmnt. CN3 0.5^hE

15790S Feb 27/1700-1715/10/Jarmac/SS2 0, 4.

15791ME2 Feb 28/29/17 2100-2330/10-3/Jarmac/
CN3n R.

15792M2 0405 to 0615/10/Jarmac/CN3efhkmnt.
CN3 0.5^hE.

15793S February 29/1750-1805/10/Jarmac/
SS2 0, 2 prominences.

15794E2 1930-2300 int/Jarmac/10/CN3kml.

03-08.

- ac/ 15796E March 1, 2008. 1930 to 2230 int / 10 / Jarmac
CN3L11, J, M, N, T.
- 15797M2 0405 to 0625 / 10 / Jarmac CN3effkmt. CN307^{AE}
- 15798M2 before 97. February 28/29 / 0410-0620 / 10 / Jarmac
CN3effkmt. I also saw ISS through Pegasus
It wasn't there, then it was as it burst into sunlight.
It appeared as two connected brilliant beams of
reflected sunlight. It was a beautiful thing. CN306^{AE}
- 15799E before above. 1930-2300 int / 10 / Jarmac /
CN3L-11, CN3J, CN3M.
- ances 15800E March 2, 2008 / 2200-2220 110-14 Dindy /
Jarmac /
- 15801M2 0420-0630 / 10 / Jarmac / CN3effkmt.
Beautiful dark sky. CN3d 0.8^h.
- Q.5^hE 15802S March 3 / 1630-1645 / 10 / Jarmac / SS2 0, 2.
- / 15803E 1920 to 2300 int / 10 / Jarmac / CN3L11, CN3-
- X. 15804M3 0405 to 0645 / 10 - windy, quite windy / Jarmac /
CN3effkmt.
- 15805S March 4 / 1600-1615 / 10 / Jarmac / CN3 SS2 0, 2.
- 15806E 1920-2200 / 10 / Jarmac / CN3L11, CN3J,

15807M3. 0415 to 0640/10/Jarmac/
CN3effkmt. Very nice night but a bit
breezy + cold. CN3 0.9^h

15808E March 5/1940-2230 int/10/Jarmac/
CN3L11, CN3b 0.1^hW.

15809M2 0410 to 0630/10/Jarmac/CN3effkmt,
CN3d 1^hE.

• 15810S March 6/2 1630-1650/10/Jarmac/SS2 0,2.
One of the prominences was long and narrow,
stayed close to photosphere.

15811E2. 2000 to 2040/10/Jarmac/CN3L11,
CN3b 0.1^hW.

15812M3 0420-0645/3/Jarmac/Yes. CN3effkmt.
CN3 0.8^hE.

15813S March 7/1730-1755/10/Jarmac/SS2 with
Cordelia 0, 4 prominences.

15814M2 0415 to 0540/3/Jarmac/CN3 0.3^hE
CN3effkmt. High clouds in NW
bothered the stay during this session.

15815S Mar 8/1800-1815/10/Jarmac/SS2 with
Cordelia 0, 5 prominences.

15816E2 1920-23 00 int/10/Jarmac/CN3b 0.1^hE,
• Also CN3L11. Also Moon photos.

15807M3. 0415 to 0640/10/Jarmac/
CN3effkmt. Very nice night but a bit
breezy + cold. CN3 0.9^h

15808E March 5/1940-2230 int/10/Jarmac/
CN3L11, CN3b 0.1^hW.

15809M2 0410 to 0630/10/Jarmac/CN3effkmt,
CN3d 1^hE.

15810S March 6/2:1630-1650/10/Jarmac/SS2 0,2.
One of the prominences was long and narrow,
stayed close to photosphere.

15811E2. 2000 to 2040/10/Jarmac/CN3L11,
CN3b 0.1^hW.

15812M3 0420-0645/3/Jarmac/Yes. CN3effkmt.
CN3 0.8^hE.

15813S March 7/1730-1755/10/Jarmac/SS2 with
Cordelia 0, 4 prominences.

15814M2 0415 to 0540/3/Jarmac/CN3 0.3^hE.
CN3effkmt. High clouds in NW
bothered the stay during this session.

15815S Mar 8/1800-1815/10/Jarmac/SS2 with
Cordelia 0, 5 prominences.

15816E2 1920-23 00 int/10/Jarmac/CN3b 0.1^hE.
Also CN3L11. Also Moon photos.

03-08.

15817S March 9, 1962/12:30 to 13:00/10-3/Jamaica
SS2 with Mintaka O, 4 prominences.

15818E2 March 9, 1962/20 1930 to 2000/10/Jamaica/
CN3L11, CN3b 0.1^hW.

15819M3 0405 to 0630/10 + Jamaica CN3efhkmn.
CN3d 0.7^hE.

15820E March 10, 2008/1915 to 2000/10/Jamaica/
CN3L11, CN3b 0.1^hW.

15821M2 March 10/11/0405 to 0605/10/beautiful
morning/CN3efhkmn/CN3d 1^hE. Scotty
Roberts and I had a lovely session with the
discussion of a possible David Levy telescope.
Beautiful morning. Venus + Mercury visible intact.

15822S March 11/1745-1800/3/Jamaica SS2 with Corobla.
Osaka, 2 prominences.

15823E2. 1925-2000/3/Jamaica CN3b 0.1^hW. CN3L11.

15824M3 0400-0630/10/Jamaica/CN3ofhkmn.
CN3d 0.7^hE.

15825M March 12/13/0415-0545/10+/ASV chg Jack Newton/
Munirwa/Jack, Scotty. CN3 0.8^hE.

15826M March 13/14/0410-0555/10/Jamaica
CN3d 1^hE. CN3efhkmn.

15827S March 14/1800 to 1815/10/ Journal/GS 2 with Cordelia
O, 3 prominences.

15828E. 1980 to 2000/11-mk Journal CN3LII.
CN3j.

15829M. 0345 to 0610/10/ Journal CN3 1.3^hE.
CN3 oftkmm.

15830M. March 15/16/ 0335 - 0555/ 10/ Journal
Breezy from west, + cold. CN3d, 1.3^h
CN3 oftkmm. Later in the day there was
rain, hail, and snow.

15831E. March 16/17/ 2200 - 2015/ 0/ Journal/

15832M March 17/18/ 0330 to 0550/ 7-n-10/
Journal CN3d 1h E.
CN3 oftkmm. CN3e TVCw 25.1.

15833E. March 19, first day of spring 1900 to 2345/
intermittent? CN3j, CN3e TVCw 6.7h.3. 830-8
Also, with Apollo, a look at the Moon.
Good little two-part session.

15834S March 20/1815-1845/ 3/ Journal SS2
with Cordelia through clouds. O, O₂ Pictures
Flare! for computer.

15835E. 2240-2310/ 7-mk Journal
CN3e TVCw,

03-08.

- 15836S March 22/1715-1730/10/Jarnac/SS2 with Cordelia. 0, 3⁺ prominences as sun sets.
- 15837E 2 22 30-2310/7/Jarnac/CN3e. TV Cur.
- 15838S. Mar 22/1715-1730/10/Jarnac/SS2 with Cordelia 0, 12 prominences. 1 big one.
- 15839E 2 1920-2330/int/10-7m/CN3b 0.1^hW. CN3L11 with Lothar and Paula's Minnowbreak lens.
- 15840S. March 23, our anniversary. 1615-1630/10/Jarnac/SS2 with Cordelia, 0.4 prominences.
- 15841E 2 1940-2030⁺/10/Jarnac/CN3b 0.1^hW. CN3L11, CN3j. with Minnowbreak lens and with Clyde. CN3e
- 15842E March 25/2130-2215/3, 2/University of Illinois at Urbana-Champaign. After my Miller Com lecture, a look through Alex's telescope + other telescopes at Saturn + its rings.
- 15843E March 27/1900 to 2100/10/Vail Astronomy Unclub. Saturn, M65-66, Mings-Alcor, w/ M42 with 14 inch.
- 15844E 2 2330-0010/7/Jarnac/Clyde/CN3e.
- 15845S. Mar 27/1700-1815/15/10/Jarnac (Cordelia) SS2 4, 15, 1 prominence. before 15843E. 8ip spts.

- 15846E2 1850-2250 to 2330 / 10-7 / Jarnae /
CN3e TVow.
- 15847S. Friday, March 28 / 1630-1645 / 10 /
Jarnae SS2 with Cordelia 4, 23, 3pr.
- 15848E. Saturday, Mar 29 / 1930-2200 int / 10
Jarnae / CN3e CN3LII.
- 15849E Sunday, Mar 30 / 1630-1645 / 10 / Jarnae /
SS2 with Cordelia 1, 4, 1.
- 15850E2 1900-2235 int / 10 / Jarnae / CN3LII, CN3e
CN3j.
- 15851M3 0200-0510 / 10-7 / Jarnae / CN3efftklmt.
CN3d th 1.8h E. Beautiful morning, obli-
cated to the beauty of the night sky to Wendee!
- 15852E March 31 / 2000 to 0000 int / 10 / Jarnae /
CN3j CN3e.
- 15853S. April Fool's Day / 1830-1945 / 3 / Jarnae /
SS2 O, 1 prominence through clouds.
- 15854E2. 1930-2300 / 3 / Jarnae / CN3LII CN3j.
- 15855E. April 2 / 1940-2300 int / 3 / Jarnae /
CN3j, CN3e, CN3LII. Some breeze
out-of-doors tonight.

04-08.

ae) 15856M2. 0345 to 0520/10/Jarnac
CN3efhklmn. CN3d 0.8^hE. Beautiful
morning, even though I slept in an extra 1/2 hour.

10/
3 3pr. 15857E. April 3/4/1930 to 2130/10/Jarnac/CN3b 0.1^hW.
CN3hll, CN3j, CN3e. Clyde rebinning to 2x2.

15858M2 0305 to 0520/10/Jarnac/CN3efhklmn.
CN3b 0.1^hE. CN3d 0.1^hE. A beautiful
David Levy sky.

ae) 15859S. April 5/ 1815-1830/10-3/Jarnac/Cordelia/SS2.
CN3e 0.5 prominences

15860E2 ~~M2~~ ~~1903~~ SE. April 5/ ~~1903~~ 1840 to 2005/
10/Jarnac/CN3b 0.1^hW. CN3j. CN3e.

lmax.
spali-
lee! 15861M2 0300 to 0520/10/Jarnac/CN3fghklmn.
CN3b 0.1^hE, CN3d 0.8^hE for total of 0.9^hE.

15862S April 7/ 1815-1830/10/Jarnac/CN-SS2 0, 1 very
large prominence using Cordelia.

15863E2 1920-2000/10/Jarnac/CN3j, CN3e. CN3hll.

15864S. April 8/ 1800 to 1815/10/Jarnac/SS2 with
Cordelia, 0, 2 prominences.

15865E2 ⁵⁰²⁰ 2000-2350/10-3/Jarnac/CN3ke.

15866S April 9/ 1800-1815/3/Jarnac/SS2 0.2 with
Cordelia.

15867M2 Thursday, April 9⁹/10/0305 to 0520/
10 Jarnac CN3d 1¹E. CN3Fdklmm.
Beautiful night. CME a possible early Lyrid.

15868S Friday, April 10/1815 to 1830/10/Jarnac/
SS2 with Corbelia O 2 prominences. One
was small, the other larger but faint.

15869E2 2000 to 2300 int/SS ~~SS~~ general.

15870M3 0310 to 0530/10/Jarnac CBe/klmm,
CN3d O.6¹E.

15871S April 11/1815-1830/10/Jarnac SS2 with
Corbelia. O, 2 prominences. One small &
bright; the second larger but faint.

15872E2 April 11/ 2200 to 2230/10 - 7ml Jarnac)
CBe.

15873E M3. 0435-0455/10 - 1 Jarnac CN3d O.2¹E
Just visible tonight. lovely morning.

15874E April 14/2020 to 2100/7ml Planette +
Mark's house, Albuquerque / NM, Summer
+ Matthew, Terri Suzanne, + Margaret Barbara/
ISS beautiful pass through Orion, very near
belt, then near Sirius, then faded as it
entered \oplus 's shadow. Used Shakespeare
to see C, Saturn.
Beautiful evening with our grandchildren.

04-08

15875E. April 16/2230-2300/7/ Jarnac/ CN3e TV Cw. with Clyde.

15876E April 17/ 2300 to 2330/7/ Jarnac/ CN3e.

15877E April 18/ 2230 to 2300/7/ Jarnac/ CN3e.

15878S. Apr 19/ 1815-1830/3/ Jarnac/ SS2 0, 2 big faint pr.

15879E. April 19/ 2300-0000/7/ Jarnac/ CN3e.

15880SEM April 20/ 2340-0015/7/ Jarnac/ CN3e.

15881S. April 21/ ~~17~~ 1730-1745/7/ Jarnac/ SS2 with Cordelia 0, 6 prominences.

15882E2 1940 to 2330 int/ 10-7/ Jarnac/ CN3b 0.1 hW. CN3 0.3 hW for total 0.4 hW. CN3LII, CN3e.

15883E April 22/ 1955 to 2330 int/ 10-7/ Jarnac/ CN3 0.5 hW. (CN3b 0.1 + CN3 0.4) CN3e. Searching using Pogawar is a real pleasure. Pinpoint star images, beautiful scope.

15884E. April 23/ 1900 to 2215/ 10-7/ Jarnac/ interview with Leonard Wickburg for TV. very enjoyable evening with an excellent set of questions.

15885E2 2300-2330/7m/ Jarnac/ CN3e.

15886S April 24/ 1845-1800/10/ Jarnac/ kray/ SS2 0, 6 prominences, all small.

15887E2. 2200 to 2345 int / 10 / Jarnac /
CN3e. CN3L11. CMP-1 - no Lyrids.

15888E Friday, Apr 25 / 2000 to 2330 int /
10 / Jarnac. 1 CN3L11 CN3e. CMP-1 No Lyrids.

15889S Saturday, April 26 / 1500-1515 / 10 / Jarnac /
SS2 with Cordelia 0, 0.

15890SE2. 1730 to 2015 / 10 / Tumpia site of TAAAF /
celebrations of Dean Ketelsen's + Beto
Melinda's forthcoming wedding.

15891E3 2255 to 2315 / 10 / Jarnac / CN3e.

15892S Sunday, April 27 / 1800-1815 / 10 / Jarnac /
Despite wind, SS2 with Cordelia 0, 6 small pr.

15893E2 2000 to 2330 int / 10 / Jarnac /
CN3L11, CN3e. Breezy still from E.

15894S April 28, Monday / 1830-1845 / 10 / Jarnac /
SS2 with Cordelia 0, 8 prominences.

15895E2. 2030-2300 int / 10 / Jarnac /
CN3L11, CN3e. CMP-1 no meteors

15896S April 29, Tuesday. / 1800-1815 / 10 / Jarnac /
SS2 with Cordelia 0, 5 prominences.

15897E2 2000 to 2340 / 10 / Jarnac / CN3L11.
CN3e.

04-08/05-

5898S April 30/1815 to 1830/10 / Jarnac / SS2
with Cordelia 0,15 small prominences.

15899E2 2000 to 0000 / 10 / Jarnac / CN36 0,1^h W.
CN3611, CN3e.

15900M3 0230 to 0520 / 10 / Jarnac / CN3 f h k l m n.
CN3 0,7^h E. CYP-1 2 meters, probably
early E aquarids. Good session.

15901S. May 1/1730 to 1745 / Jarnac / 10 / SS2 with
Cordelia, + Tom 0,5 big prominences.

15902E2 May 1/2230-2330 / 10 / Jarnac / & CN3e, k t.
Tom at Hyperion.

15903M3 0230-0455 / 10 / Jarnac / CN3 0^h30^m E.
CN3 f h k l m n t.

15905E May 2/2230-2330 / 10 / Jarnac / CN3e t, Tom

15906M2 0245-0510 / 10 / Jarnac / CN3 f h k l m n t.
CN3 0,4^h E. FSS in N. TVCw at 18.6.

15907S May 3/1845-1900 / 10-3 / Jarnac / SS2 0,6 pr.

15908E2 2100-2345 / int 1 3 / Jarnac / CN3e. CN3
with Tom.

15909M3 0350-0400 / 2 / Jarnac / closing J1.

15910S. May 4/1845-1900 / 3 J1 / SS2 0, 20 small pr.

- 15910E2 2230-2315/10/Jarman/CN3e.
- 15911M3 0230-0500/10/Jarman/CN3fhlkmt.
CN3d 0.4^hE. CMP-1 2 Eta Aquarid meteors
- 15912E ~~May 4~~ May 5 | 0320-0515/10/Jarman/CN3fhlkmt
but I did not record. CMP-1. CN3d 0.4^hE.
- 15913E May 5 | 2300-2330/10/Jarman/CN3e.
- 15914E ~~MP2~~ 0335
0235 to 0340/10/Jarman/
CN3fhlkmt.
- 15915E May 7 | 2300-2340/10/Jarman/CN3e.
- 15916M2 0235 to 0425/10/Jarman/CN3fhlkmt.
CN3d 1^hE.
- 15917E May 8 | 1900 to 2045/10 + 3/5 to W+DL
observatory | Vail Astronomy Club
final season meeting | 6.74", Mars, Moon.
- 15918E ~~M2~~ 2340-0020/2/Jarman. CN3e TVGW/L48.
- 15919S May 9 | 1855-1910/10/Jarman/SS2
with Cordelia 0, 2.
- 15920E2 1945-2330 int / 10/Jarman/
CN3b 0.1^hW. CN3L11. CN3e.
- 15921SE May 10 | 1430 + 2245/7m/University of

05-08

Arizona Mall/SS3: Sharing the Sky Star
Night / Dozens of telescopes, including
Apollo / upwards of 500-1000 people / SS2 0,0
with Apollo's PST. 0,3 with John Kalas' good
telescope. Very successful event.

st.
1 meters
3 fhlk/mnt
0.4^E

15922E2 2330-0000/9 / Jarnae / CN3e.

15923S 1815-1830/4-3 / Jarnae / SS2, 0, 3 femp.

15924E2. ^M 2300-0000 int / 7m / Jarnae /
CN3e TVCw.

15925SE ^{mit} ~~to~~ May 13/1900-12110-2325 / 7-m / Jarnae /
CN3e CN3R1/.

15926M2 0235-0440/10 / Jarnae / CN3d 0,7^E.
CN3Fhklmnt.

15927E May 14/2000-2315 int / 1 / Jarnae.

15928M 14/15/0200 to 0440/10 / Jarnae / CN3Fhklmnt, CN3d 1,2^E.

15929S May 16/1905-1920/10-3 / Jarnae / SS2 with
Cordelia 0,0.

2.1^E

15930E2 2000-0000 int / T / Jarnae / CN3e, with Clyde.

15931M 0300 to 0415/7-10 / Jarnae / CN3b, CN3 with
Pegasus 0.5E.

15932S May 17/12:15-12:30/10-3 / Jarnae /
SS2 with Mintaka, 0,0.

15933S May 21/1600 to 1615/10 | Jarnac | SS2 0, 4.

15934S May 23/1700 to 1715/3 | Jarnac | SS2 0, 2.

15935E. May 29/2300-2320/3 | Jarnac | CN3e.

15936E May 27, Tuesday /1900 to 2130/7-8 | Jarnac |
Paris Report! Celebration of the successful
Mars landing of the Phoenix spacecraft.
I gave a brief Mars talk, and looked at
Mars + Saturn through various telescopes
provided by TDRP.

15937M2 0000 to 0500/10-7 | Jarnac | with
Robert Summerfield | CN3 1h 30m E with
Pegasus + Miranda. Beautiful night. We
saw a -7 magn. Iridium flare,
and then continued observing.
CN3 was 1h 30m E and also CN3 Fknt.
When the respiration was over, I closed
the roof but forgot to close Flair.
As a result, Flair's front
compressor plate got a V-shaped crack.
I fear I've lost Flair; we'll see.
May 28

15938S 1800 to 1700-1715/10 | Jarnac |
CN- SS2 0, 2.

15939E2 + 2000-2300/10 | Jarnac | Flair
seems to take the same quality
images as before. CN3 is 2h W. Comet
Boattini.

06-08

2, 4. 15940S May 29/1800-1815/10/Jamaica/SS2 0, 7.
5 thin prominences, 2 big ones.

15941E2 2015-2045/10/Jamaica/CN3/0, 2 h SW. Cannot
Boatfin confirmation. Fairly fuzzy, no tail,
very low in SW.

Stern
of
at
press

15942M3 0340 to 0400/7-1/Jamaica/CN3 0, 2 h E.

15943S ~~Wednesday~~ Tuesday June 3/1500-1515/3-
chez Jeanne + Philippe, NY/a general look up at the sky.

15944E2 2130-2145/1/chez Mom, NY/general
looking up at a cloudy sky.

15945E Wednesday, June 4/2100-2200/10/Jamaica/
CN3e.

15946E Thursday, June 5/2130-2200/10/Jamaica/
CN3e

at
etc.

15947SE Friday, June 6/1900 to 2350 int/10/Jamaica/
CA' Guinett, green flash. CN3e.

15948SAN Saturday, June 7/1850-0410/10/Jamaica/
SS2 with Cordelia, 0, 4 prominences. A report
star party to thank all the volunteers for who helped
at the STS party in April May. It was fun.
My autistic friend Bradley was here; he & John
Kolas were the LTS guests. CN3 e F A int.
CN3 2, 3 h E.

15949AN Sunday, June 8/2000 to 0415/10/Jarmac/
CN3 def hklmm. CN3d 1^hE.

15950AE Monday, June 9/2000 to 2330/10^m/Jarmac/
CN3e.

15951M2 0315 to 0410/10/Jarmac/CN3f hklmm
CN3d 1^hE.

15952E Tuesday, June 10/1930 to 2330 int/Jarmac/
CN3e. CN3t repairs. CA

15953M2 0140 to 0400/10/Jarmac/CN3F hklmm/
CN3d 1^h 1.3^hE.

15954E Wednesday, June 11./2300-2330/7-m/
Jarmac/CN3e.

15955M2 0200-0410/10/Jarmac/CN3ef hklmm.
CN3d 1^hE.

15956E Thursday, June 12/2000-2330/11-m/
Mt Bigelow 61" Astronomy Camp/
G A SS3 Moon, Saturn, M13, M84,
M51 with structure. 1 Dean + Steven &
friend.

15957M2 0200 to 0420/10/Jarmac/CN3f hklmm/
CN3d 1^hE. One-7mag Indium flare.

15958E Friday, June 13/2300-2340/CN3e.

15973S Saturday, June 21/1800-1815/7/Jarmac
SS2 0, 1 faint prominence.

15974E2 2200 to 2330 17/Jarmac/
windy, hazy/CN3 kill. CN3e still down.
Always down.

15975S Sunday June 22/3/Jarmac/
1910-1925/SS2 with Cordelia 0, 0.

15976E2 23/2200 to 0000 with 3/Jarmac/
CN3e CN3e.

15977S Tuesday June 23/1815-1830/3/Jarmac/
-SS2 0, 3 prominences.

15978E2 2000 to 2320/~~10~~3/Jarmac/CN3t
not working. CN3 kill. re, clouds.

15979S 1900-1915/3/Jarmac/SS2 with
Cordelia 0, 0. Seeing too poor to see
anything.

15980E2 2245-0000/~~10~~3/Jarmac.
no look at Clyde's stars.

15981SE June 29/1900-1915/3/Jarmac/
SS2 90. Later, CN3 0, 3hW.

15982S June 30/1815-1830/3/Jarmac/
SS2 0, 4 faint prominences.

07-08

(Jarnac) 15983E2 June 30/July 1/ 2130 to 0000/10/Jarnac/
CN3 0.5^h W. CN3 3k11 Michael Terapzoni
came by for a very nice evening session.
CN3 0.4^h W with Pegasus.

own.

15984SE July 1/1900-~~21~~15/3/Jarnac/SS2 0,2.
CN3 0.6^h

15985M2. before 84. 0140-0200/1-2. Nothing.

15986S July 2/1815-1830/3/Jarnac/SS2 0,4 faint pr.

ae)

15987E2 July 2/2030-2130/10-0, very quick
weather change from clear rain/CN3e TVow.

15988SE July 3/1700-~~20~~15/3/Jarnac/-1SS2.
CN3 large but faint promemiental prominence.

15989E July ~~6/7~~ ~~21~~2 7/2/2030-2100/3/
Steinzing / Saturn between clouds.

15990E2 2215-midnight/3-1/Jarnac/
CN3e. wait for first light on new
Explore Scientific 6" telescope but Jupiter
did not operate.

15991S July 11, 2008/1530-1545/3/Jarnac/
SS2 0,0.

15992SE July 14, Bastille Day/1645-2030/3/Jarnac/
Pioneer Productions Interview. Obadiah view of
Moon. Plato, Kepler, Copernicus, and Archimedes recules.

15993E2 July 14/ 2100 to 2136/ 3/ Jarnac /
First light for Seematt - the new
6" Schmidt-Newtonian. ^{W/out of 10}
Magnificent First Light image of Jupiter.

15994E July 15/ 2030-2100/ 3/ Jarnac/ Clyde.

15995M2. 0215-0430/ 3/ Jarnac/ CN3 0.8^hE.
CN3 Fhk/ mm. Also CMPd but zero
meteoric meteors. First Delta Aquarii
Meteor Watch.

15996E July 16, 1994 (2210-2225/ ~~10~~ 3/ Jarnac.

15997S July 19/ 1925-1940/ 3/ Jarnac/ SS2 0, 1
big prominences.

15998S. July 20, 1969/ 1920-1935/ 2/ Jarnac/
SS2 0, 1 complex prominence.

15999E July 27/ 2205-2230/ 3/ The Kremlin/
Larry others/ Jupiter rising over Kremlin
Wall + Red Star.

16000AN July 23/ 24/ 0200-0300 but technically all
night/ over Greenland/ magnificent darkness
over the S. Greenland shore, + soft iridescent
clouds well above the plane.

16001E July 31/ 2308-2320/ 3/ Novosibirsk/ Wanda +
group. Stars + lots of clouds. Actually was some
night before a total eclipse.

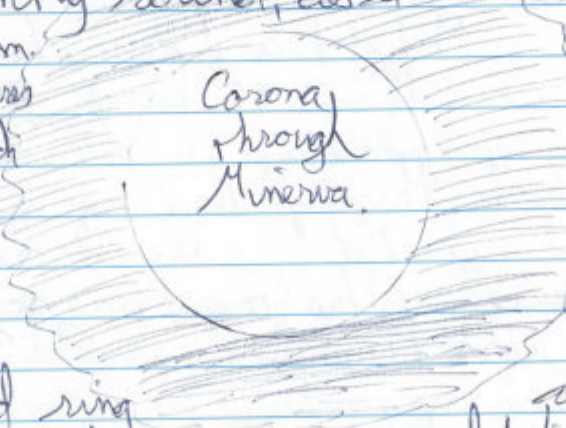
08-08

160025 August 1, 2008, Friday / Novosibirsk Reservoir
1400-1800 / Travel Quest - Sky & Telescope Tour
/ Minerva, some other telescopes / Total Eclipse of
the Sun No. 77 of all eclipses, I have seen.
This one was the best. It brought me back to Lasko's
"June Spectacular" chapter of his Starlight Nights.
It is the same eclipse he saw the night the nova in
Aquila appeared.

The eclipse started, as always, right on time.
At first just a tiny nick by the Moon's leading edge,
the bit got bigger and bigger; half the Sun was
covered, then 75%, then 90%. The crescent grew
ever thinner. Venus popped out. Faint shadow
bands appeared. Then the shadow started
rushing in on its black steed from the North.
Then an explosion of shadow bands all along the
beach. Then ~~but~~ the crescent broke up into Bailey's
Beads, and all vanished but one, the awesome diamond
ring. The corona emerged, faintly at first, then
brilliantly round, as it should be near sunspot
minimum.

on so perfect as
Minerva, which
just for 2
seconds,
and Venus
and then
Diamond ring

Corona
through
Minerva.



I took four
of the corona through
had come all this way
brief minutes & I
Mercury was bright,
was brilliant
came the emerging
and totally new one.

One of the guests even proposed to his girl friend just
before 2nd contact. At 4th the eclipse was over and
we boarded the buses & left to beach.

160025-cont.

From Wendee's Journal:

"David and I have tested the transmitter to see how far the reception would go. Finally... someone yelled out, 'First contact!' The beach became electric. Everyone scrambled for their eclipse glasses and cameras. Now the anticipation of seeing totality began. I loved seeing the Sun go into and out of the clouds through my viewer. When the clouds were thick enough to blackout the Sun, it reminded me of totality ending from an eclipse as the Sun appeared.

David began guiding the group through the phases of the eclipse as the Sun got to about 25% covered. When he said, as a test, 'If you can hear me, say 'Pezostroika!' The beach exploded with 'Pezostroika!' Now the party was fully underway... The eclipse progressed in such a perfect way, it was almost surreal. The clouds magically disappeared. As totality neared everyone but me saw the shadow bands. I gave up so I could see the diamond ring. 2nd Contact. I did + so did everybody else. The cheers were all over the beach. Gevon started jumping up and down, with excitement. Then I saw something I had never seen before with my naked eye: Bailey's beads and a large prominence. The view was gorgeous when I looked into the telescope, at about 9 o'clock

on the Sun was a huge prominence at the edge of the Sun from the prominence was in all different colors. David said I saw the chromosphere.

When the professional pictures came out,

08-08

16003 SE conc'd. "I'll see if they show the same symmetry of the corona that I saw."

David let me take the pictures through the telescope. I tried but couldn't get (the Sun) centered & didn't want to lose the eclipse and gave the camera back to David.

"Suddenly the second diamond ring appeared. 3rd contact & it was over. The 2:20 felt like 7 seconds. The charring and tears were the confirmation of a perfect eclipse."

"When I turned around to see if our S African friends saw it, Jo Anne was in tears. I hugged them all. .. Later on I got the official word - to Gareth Williams and I were engaged! I am really happy for them."

"The end of the eclipse was bittersweet because now we had to say goodbye to our train friends & go with another group to St. Petersburg. I'll miss Sabir & Larry & I'll miss the charm of our ~~team~~ train."

16003SE August 2/2130-2275/3/ St Petersburg, Astoria Hotel / Sunset, then Low sun, over river, then clouds.

16004S. August 3/2100-2115/2/ St Petersburg, Astoria Hotel. Clearing slowly after rain.

16005SE, August 4/2150-2350/7/ St Petersburg, along Cingarella - Sunset, Twilight after, & Bon. Big Dipper & Polaris 60° up. as high above Montreal as Vauxes below it.

16006E August 7/2200 to 2220/3/Jamaica/
First light for "Big Lug" - 12" telescope
CN3b.

16007E August 9/2100 to 2130/11/Jamaica/
John Labson, Donna Smith, Kelly Haugler
Anton + Denis from Ukraine (looked at
telescopes, + Big Lug).

16008M, August 12/13/03:20-04:15/3/Jamaica/
The 2008 Perseid Watch. Despite a
partially cloudy sky, I saw 9 nice
Perseids. Very nice morning.

16009S Aug 15/1235-1250/3/Jamaica/
Cordeira SS2: 0, 3 prominences. 2
long + skinny.

16010SE August 16/1730-1250/3-0-1/Jamaica/
Cordeira SS2 0, 3. Then a major
rainstorm, 1.55 inches of rain.

16011E August 18/2010-2025/2/Jamaica/
mostly cloudy so reobserving.

16012S August 19/1740-1755/3/Jamaica/
SS2 with Optelia 0, 34 tiny prominences

16013E2 2000 to 2140 int/3/Jamaica/
CN3b with Big Lug - 0.3 hr 19.

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mac/
telescope 16014S. August 20/1700-1715/3/Jarnac/Coroblia/
0, 3 small prominences.

16015E 2000 to 2130/3/Jarnac/Big Jug/
CN36 0.1^hW.

angland
16016E Aug 21/2000-2030/3/Jarnac/Big Jug/
CN36 0.3^hW.

mac)
2 q
ice 16017E August 23/2130-2205/3/Jarnac/Big Jug/
CN36 0.3^hW. Beautiful night; beautiful
telescope.

16018E August 24/2000-2230/1/Jarnac/Unsuccessful
attempt to use Flaire.

16019M August 25/12:30-0130 mt /9/Adirondack Astronomy
Retreat. / good clearing sky. M31. Good to be back.

ern ac) 16020AM. August 26, Tuesday/27/2000 to 0500 EDT/10plus
Adirondack Science Camp Astronomy Retreat, Tiffin
Valley Camp/ Minerva, a 25" obsession called
Fritz (after Zwicky), + more than 2 dozen other
telescopes.

CN36 6^h 00 E, W, E. Beautiful night.
One of the best nights I've ever had here.

mines 16021EM. August 27/28/2000 to 0100/3/ASC Astronomy Retreat
in the Adirondacks/Minerva, Fritz, + other telescopes.
2 Lets Talk Stars Show interviews - David Rossetti
Marty Rice/CN3s 1^h 0 West.

16022S August 28 / 1500-1700 / 3 / Adirondack
Astronomy Retreat / beautiful afternoon.

16023EM2. 1930 to 0045 / 3 / Adirondack Astronomy
Retreat / evening to after midnight / mostly clear,
very nice though some cloud occasionally,
completely so by 0030. Minerva & other
scopes
CN3s 2h 30m W. 16

16024B August 29 / 1300-1315 / 1 / SUNY Plattsburgh / just
before my talk, 160

16025E2 2300-2345 / 1 / ASC / A cloudy night, 160

16026S August 30 / 1340 to 1730 / 3 / Adirondack
Astronomy Retreat. / Perfect afternoon, 160

*16027AN2 2015 to 0515 / 10+ / The Adirondack
Astronomy Retreat. / Perfect night. At about 160
2am we witnessed a fireball beside heading
directly south from camp. MV = -10 at least
brighter when it exploded & burst. Possible
meteorites south of camp. ~ 7 meteors. 160

CN3s 7h W+E

This was a beautiful, wondrous night! 1603

16028EM. August 31 / 201930 to 0130 / 10-31 / The
Adirondack Astronomy Retreat / Minerva,
other telescopes / CN3 recorded next session. 1603
Beautiful night, several meteors. Some clouds
from east ~ midnight. Time for a nap.

08-02

16029 M2 August 31 / 0355-0500 / 10 | The Adirondack Astronomy Retreat / Minerva, 12" SCT, others / Beautiful, wondrous clear sky. CN3s total for this night is 4^h W, E. Space Station ISS pass.

16030 EM September 1 / 1940-0915 / 10+- / The Adirondack Astronomy Retreat / Minerva, 12", other telescopes / ~20 other people / CN3s, CMP several meteors. Beautiful, magical night.

16031 M2. 0845-0520 / 10+ / Final session at the Adirondack Astronomy Retreat. / Minerva / CN3s 4.2^h E, total for this night. LTS also. Beautiful end of a perfect night.

16032 E September 3 / 2030-2100 / 3 | Jarnac / Minerva with encoder box! CN3s 0.1 W.

16033 SE Sept 4 / 1800-2100 int / 10 | Jarnac / Minerva, Cordelia / SS2 0, 0. CN3s 0.1 W.

16034 E M2 Sept ^{3/4} 5 / 0400-0500 / 10 | Jarnac / Miranda / 0, 6^h E CN3d.

16035 A Sept 4 / 5 / 0400-0515 / 10 | Jarnac / Miranda / CN3d 1^h E.

16036 E Sept 5 / 2000-2030 / 7 | Jarnac / Minerva / CN3s 0.2^h W.

16037SE Sunday, September 7/1740-1940/
3-2/ Jarnac/ unsuccessful attempt to
repair computers. Cloudy when tried to
do CN3s.

16038M2 0240-0435/3-2/ Jarnac/ CN3
photographic attempts fail.

16039E Monday, Sept 8, 1910-2100/3/
Jarnac/ CN3s/ further attempts on other
scopes.

16040S Thursday, Sept. 11/1630-1645/3/
Jarnac/ SS2 0, 4 prominences using
Cordelia.

16041M2 0355-0430/19/ Jarnac/ CN3d
0, 3^h E. Nice clear sky but humid.

16042E Saturday, Sept 13/2300-0000 int/
Full Moon.

16043S Sunday Saturday, Sept 13 earlier/
1550-1605/ Solar Scope/ No prominences,

16044S Sunday Sept 14/1100-1115/7/ Pasadena
Convention Center/ Solar scope from daylight
1 spot, 1 prominence complex in 3
parts.

16045EM2 2000 to 0330 int/ drive LA-Vail/ Full Moon

09-08

0/
pt to
tried to

16046S Monday, September 15/1700-1830/10/
Jarnac 1 SS 2 0, 2 with Cordelia.

N 3

16047E2. 2035-2100/7-m/Jarnac/another
unsuccessful attempt at scope repair.

13/
after

16048E Tues Sept 16/2000-2135/2/Jarnac
Unsuccessful attempt at scope repair.

ing

16049S Wednesday September 17/1800-1815/3/
Jarnac/SS 2 with Cordelia 0, 4, partially
obstructed by a cloud.

16050E2 2000-2130/7/Jarnac/unsuccessful
telescope repair.

16051E Thursday September 18/1830 to 2100/7-7m/
Jarnac WADL Observatory / Neil Astronomy Club/
Jupiter, ? M57 M17 M13 M31 NGC 7331 in
Pegasus, and Moonrise. Nice experience.

on/
ices,

16052E2 2120-2230/7m/Jarnac/Tom/again, no
luck on scopes - again!

ed on
yesterday/

16053E ~~Saturday~~ Friday
Sunday, September 19/2100-2230 int.

16054E Sat Sept 20/2100-2300 int.

16055E A Sun Sept 21/2245-2300/10/Jarnac.

Full Moon.

16056E Mon Sept 22/1900-2000/10/Jarnac/
CN3 0.3h W with Ringing.

16057S Wednesday September 24/ 1755-1810/10
Jarnac/SS2 0, 2 prominences through Corbula

16058E2 1910-2030/10/Jarnac/CN3F. finally at
last with Obadial working.

Friday
16059E Thursday, September 25/1900-2000/P3/
Jarnac/CN3b 0.1^hW, CN3F.

16060M2 0330 to 0520/10-13/Jarnac/
CN3d 1^hE with Murena. CN3F.

16061M2E Saturday, September 27/2135
2 to 1/Jarnac - Starving Hebscapes

16062M2 0000- 110/Jarnac/Test of encoders
for Big Jug.

16063M3 0335-0520/10/Jarnac/CN3d 0.7^hE.
CN3F. 16 fields.

16064SM. Wednesday Oct. 1. morning
0230 to 0540/10/Jarnac/CN3d 1.4^hE.
CN3F.

16065S Oct 1/1740-1755/10-3/Jarnac/SS2 0, 0.

16066E2 1915-2050/10/Jarnac/CN3b 1^hW.

16067E October 3/2030-2055/3/Starry Nights/Marsada
mount/Tim 1 M-27? Or maybe not?
Probably M27. Maybe not.

10-08

9/10/10
at Corbett
ally at

16068E. October 4/2145-2230/10/Starry Nights
Festival, Yucca Valley / Masada / CN3 0.3^hW.
The object from last night, which I saw again
tonight, is almost certainly M15.

P3/

16069M2 October 5/6/0330-0530/10/Jarnac/
CN3d 1^hE. CN3F with Obadiah, still out of
balance.

16070E October 6/7/2230-2245/7m/Jarnac/g.c.

20/

16071M2 0400-0530/10/Jarnac/CN3d 0.5^hE. CN3F.

orders

16072S October 8/1730-1745/10/Jarnac/SS2 0, 1 pr.

7^hE.

16073E2 2000-2035/7m/Jarnac/CN3b 0.1^hW.

4^hE.

16074M3 0355-0525/10/Jarnac/CN3d 0.9^hE.

2, 0.

16075E October 18/2000 to 2200/9/The George
Observatory / with Steve + Amelia Goldberg,
Barbara Wilson, + many others / My talk
on Shakespeare + Cos Proximity went well,
then observed. Earlier I saw Jupiter
through the 36".

16093 - of.

16076E October 19/2300-2315/10/Jarnac/general.

16093 - of.

Masada,
-?

16077S October 20/1700-1715/10-3/Jarnac/
SS2 with Cordelia 0, 10 prominences, 2
large clusters.

16078E2 2245-2315/10/Jamaica/CMP1
Orionids. Obs very nice Orionid moving
west + north from Orion radiant.

16079S October 21/Tuesday/1600-1615/10/Jamaica/
SS2 O, 4 prominences.

16080E2 1915 to 2030/10/Vail Astronomy
Unclub/14-inch, and other telescopes
SS3. 2 satellites; HST + Proxima flare.
Good, useful session.

16081E3 2300 to 2330/10/Jamaica/CMP1 2
Orionids tonight.

16082EM October 22/10/Jamaica/2300 to 0100/10/
Jamaica/Dean came to repair scopes.
Successful rebalance of Abidial, but all else
failed. Then call arrived with news of
fire emergency at Stargazer. Dean had to
leave pretty quickly.

16083S Oct 23/1700-1715/10/Jamaica/SS2 O, 5.

16084E October 24, Friday/2000 to 2100/7/Grand Canyon
Hotel, Williams, AZ/Larry Gershon, Gerry G. Quinn
Jupiter, M31. LTS interview with Larry,
several photographs.

16085E Oct 25/2031945-2115/7/GC, Wms/Gerry + Duane
one kid + his mother/Jupiter, M57, M13. Interview LTS
with Sid Leach.

10-08

1608~~5~~6m Oct 26/27/0402-0430/9-10/Jarmac/CN3d 0.1^hE
CMP1, 1 bright late Orionid. Very windy, so
closed down.

1608~~7~~8m Oct 27/ 2300-2320/10-windy/Jarmac/
Beagle the Beagle 1 walk.

16089m Oct 27/29/ 0405-0530/10/Jarmac/
CN3d 0.7^hE. CN3F but accidentally
labeled the images.

16089F Oct 29/30/ 2230-2245/10/Jarmac/Beagle walk.

1608⁹⁰9m2. 0405-0545/10/Jarmac/CN3d 1^hE.
CN3F, beautiful images.

16090E Oct 30/31/ 2230-2300/10/Jarmac/
discussion with Tom + the Beagle in J-3.

16092M2 0405-0600/10/Jarmac/Tom/CN3d 1^hE.
CN3F. Tom + I had a very good morning.

16092ms November 1/ 0600-0700 int /10/Jarmac/
Dawn to sunrise en route to Las Cruces

16094S. Should be before 16076E / 1900 to 1920/10/
over Dallas. Sunset, no green flash.

16094S.2 1700-1715/10/Jarmac I-10W. Sunset, no g. F.

16094S.3 2220-2245/10-31/Jarmac. 1 gnd.

16097S Monday November 3/1715-1730/10/Jarnac/
SS2 with Cordelia 0, 2. One big prominence,
possibly another smaller one.

16098M2 0350 to 0700/10/Jarnac/
CN3d 1, 3h E. CN3F also. Then
Wendee + I drove to Coronak Tues on
to vote in the general election.

16099S Tues Nov 4/1700-1720/3/Jarnac/
SS2 0. some cloud over part of Sun.

16100S Wed Nov 5/1700-1715/10/Jarnac/
SS2 with Cordelia. 0, 1 large prominence complex.

16101M2 0420-0550/10/Jarnac/CN3d 1h E.
CN3F.

16102S Thursday, Nov 6/05:1700-1715/10/Jarnac/
GA SS2 0, 11 prominences; 1 big tall one.

16103E2 ~~2030 to 21~~ 1930-2015/7-m/Jarnac/
CN3H1. Samwise works. I fixed it all by
myself.

16104S Fri Nov 7/1730-1745/10/outside just east of Yuma
with Dean | a faint greenish flash at sunset.

16105E Saturday, November 8/1820 to 2100/
7m | just east of Smuggler's pass. | CN3 D1, 2h
Jupiter, Venus, 0, M3 with Dean's 11".
CN 3 with Ho Minerva.

11-08

16106M2. 0230 to 0430 / 3-2 / Smuggler's Pass
Camping Site, E of Yuma / Dean Fathers /
Mithra - CN3 2^h E.

16107B. Wednesday, November 12 / 1630-1645 / 10 / Jarnac /
SS2 with Cordelia, C1 old cycle spot; 14 tiny
prominences. Beautiful afternoon session.

16108E Friday, November 14 / 1815 - ~~1930~~ ^{2345 int} / 10-7 /
Jarnac / CN3b 0.3^h W. CN3L11.

16109SE Sat Nov 15 / 1615 - 2345 int / 10-7 (windy) /
Jarnac / SS2 0, 1 nice ~~progr~~ prominence,
CN3L11, CN3b, 1^h W!

16110S Sun, Nov 16 / 1600-1615 / 10 / Jarnac / SS20, 0.

16111E^M 1850 to ~~2350~~ ⁰⁶³⁰ int / 10-7m / Jarnac /
CN3L11, CN3b 0.3^h W. 1 medium-4
plaire. CMP-1 / Leonids.

16112S. ^{Monday} Sun November 17 / 1600-1615 / 10 / Jarnac /
SS2 with Cordelia #0, #1 / prominence

16113E^M 1900 to 0030 / 10-7 int / Jarnac / CN3L11.
CN3L11. SS3 Vail Astronomy Club
meeting at the Wanda + David Levy Observatory /
Jupiter, Venus, M31, M13, Uranus, CN30T^{1/2}.
Later, here at Jarnac, CN3L11.

16114E CMP-1 Leonids. 1 faint Leonid meteoric meteor

161145. Tuesday, November 18/1545-1600/10/ Jarnac/SS2 with Cordelia 0, 2. 1612

16115E2. 1900 to 0030/10-7m/Jarnac/CN III 6-7/4 1612
with Big Jug/CN3L11 focused & aligned.
CMP1-later, 1 Leonid meteoric meteor.

16116S Wednesday, November 19/0500 0445-0500) 1612
10/Jarnac/SS2 with Cordelia; 0, 1.

16117EM2 2000-00 110-7m/Jarnac/CN3b 0, 3^h 21. 1612
CN3L11. CMP-1, final, 4th Leonid watch.
AND first Taurid watch. 2 late Taurids, 1 Leonid.

16118S Thursday, November 20/1545-1600/10-1/Jarnac) 16
SS2 with Cordelia, 0, 1.

16119EM2. 1900-0030/10-1/Jarnac/CN3b 0.4^h 40. 16
CN3L11. CMP1 later, late Taurid watch.

16120M Saturday Friday, 21/22/0430-0600/ 16
10-Jarnac/CMP1, CN3F, CN3d 0.4^h E.

16121E Saturday, November 22/23/1715-2000/3/ 1612
Jarnac Tampa / SS3 Inauguration
Ceremony for the David G. Wenzel Jary
Exploration Telescope. Speeches, &
observing. First object was Jupiter. 16 4

16122M Sunday, November 23/24/0430-0615/10/ 16
Jarnac/CN3F CN3d 0.7^m E.

12-08

16123E Monday, November 24/2310-2350/1-Journal
A walk with the Beagle.

6-14) 16124E Thursday, November 27/1830-1850/3/Vigil's
home, Nanette + Mark, Summer + Matthew family)
Venus and Jupiter entering conjunction.

50) 16125E Friday, November 28/1910-1930/2/Panners' home,
Albuquerque / Venus + Jupiter in conjunction.


34) 16126M Saturday, November 29/0430-0610/10/Journal
CMP - Geminids - first Geminid seen
CN3F Obadiah, and CN3d 1.1^hE.

Journal) 16127S before 16126/ Sat 29/1600-1615/10/Journal
SS 2 O, 11 prominences. Green flash very strong
1730.

40) 16128S Sunday, Nov 30/1630-1645/10/Journal
SS 2 O, 4 prominences

1) 16129M2 0445-0615/10/Journal CMP-1, 1 meteor
4hF through Miranda. CN3F CN3e CN3d 0.7^hE.

3/ 16130S Monday, December 1/10/1600-1615/10/Journal
SS 2 O, 1.

1) 16131E2 1900-1915/7/10/Journal LPO-1,
Pictures of Jupiter conjunction.
Very pretty!  Moon
Wanda enjoyed it as well.
• Venus

19

- 16132S. Tuesday, December 2. 1600-1615/10/Jamaica 16145
SS2 0, 2.
- 16133E2 1915-2030/7/Jamaica CN3 0.2^h W. 16146
Samwise fell off its mount. No discernable
damage however. CMP-1 one
long slow meteor from N. (? early trail?)
- 16134S Wedn. Dec 3/1600-1615/10/Jamaica 16147
SS2 0, 1 Great Big prominence.
- 16135E2 1730 to 2000/7-fm/WADL Observatory/ 16148
Vail Astronomy Club. 3, M13, M31, 157.
LPO-1, SS3
- 16136M3 0445-0610/10-3/Jamaica 16149
CN3F. CN3e. CN3t CN3d 1^hE.
- 16137S. Thu Dec 4/1430-1600/11/Jamaica 16150
CN3m - FLARE FIXED! AT LAST!
- 16138E2 2245-0600/3/Jamaica. 10-3/Jamaica 16151
A session in three parts. 2245-0115, 0150-02:50,
and 03:30 to 0600. Scopes working but both overhead
and Flare balked at the last minutes so
CN3F or M. CN3d 0.6 E.
- 16139S Fri December 5/1600-161700-1715/10/Jamaica 16152
SS2 0, 2 huge prominences.
- 16140E2 1930-2000/7-m/Jamaica test for Obadiat + 16153
Flare successful.

12-08.

16142 M3 0440-0620 / 10-3 / Jarnac / CN3d 0.5^h E.
CN3F, no CN3M, yes CN3t.

16143 E. Saturday, December 6. / 2300 to 0030 /
7m / Jarnac / preparation for CN3F + m.
I think it might work this time.

16144 M2. 0510 to 0630 / 10 / Jarnac. / at least
Flairé works! I got some good images
today this morning. Flairé and Obadiah
worked flawlessly during this little session.
CN3F CN3m CN3d 0.5^h E.

16145 S Sunday Dec 7 / 1700-1715 / 2 / Jarnac /
SS2 There were 2 big ~~or~~ big prominences
0, 3. 2 big ones + one small one within the
complex.

16146 S Tuesday, December 9 / 1700-1715 / 10 / Jarnac /
SS2. One loop prominence, faint but big.

16147 E2 1915-2100 / 7m / Jarnac / Scott from Star-
izona / CN3m, CN3L-11, Samwise + Flairé
are now polar aligned! Scott did his usual
excellent job aligning.

16148 M3 0430 to 0710 / 7-10 / Jarnac / CN3e,
CN3F incl. Three photographic searches
plus visual (CN3d 0.7^h E.) CMPL one
bright Geminaid near E-horizon.

16149 S Wed 10 / 1500-1520 / 10 / Jarnac / SS2 0, 3 prominences

16141E2 (before 16150). 2315-2355/7-m/Jarnac/
Walking with the Beagle. CMP-1, 1 Geminids.
One faint Geminid, $m_v \sim 3$.

⁵⁰
16142S December 11/1700-1715/2/Jarnac/
SS2, 0, 0 but light cloud covered the
Sun.

⁵¹
16143EM December 11/12/2300 to 0115/3/Jarnac/
CMP-1, no Geminids through the pt cloudy
full perigee Moon-lit sky.

⁵²
16144E December 12/13/2040-2150/3-1/Jarnac.

⁵³
16145ME2 2310-2335/7-m/Jarnac/ Walk with
The Beagle. Cloudy, mostly. CMP-1, no
meteors.

⁵⁴
16146M3 0235-0315/7-m/Jarnac/ new walk with
the Beagle! Sky clear now; I saw 2 meteoric
meteors; 2 Geminids - all 2 were Geminids.

⁵⁵
16147E December 13/14/1800 to 1950/3-m/ DAAA
Xmas banquet! Wanda, many others!
CMP-1 2 Geminids during outdoor dinner.
One was in the West, 2nd in E.

⁵⁶
16148M 0000-0030/3-m/Jarnac walk with the
Beagle/ CMP-1 4 Geminids - total 6 for
the night. Clouds thickening at horizons

⁵⁷
16149MP2 0055-0100/3-m/Jarnac/ Beagle with me
CMP-1 1 bright Geminid in North!

mac/ unids. 16158S P. December 15 / 1715-1730 / 2 / Journal / SS2 with Cordelia 0, 0. Sun slightly setting; He saw mild green flash at sunset. SS2 0, 0.

6 16159S. December 17, 1700-1715 / 3 / Journal / SS2 with Cordelia 0, 0. Sun behind some very light cloud but definitely no prominences.

al/ ldy 16160E2. 1845-2040 / 10-3 / Journal forecast 20% rain but sky was clear. CN3B 0.24. CN3m, CN3L. Full sets in the west. The 43rd anniversary of the start of my comet hunting program. CMP 1 Uraid meteoric meteor. MV = 1.5. in South.

5th 16161E3 2100-2150 / 10-3 / Journal CN3 0.5h with Muriwa, between 2 AB Geminarum, way round, + ending with a nice view of M31.

4 16162E4 2300 to 2340 / 3 / Journal / walk with the Beagle. A few drops but not really cloudy yet. Sky clouding over during session.

3A 16163S. December 18 / 1600-1615 / 10 / Journal / SS2 0, 2.

re/ res. 16164E December 18 / 1900-2000 / 10 / Journal / CN3L11, CN3m. Pictures came out well.

the for yons. 16165S. December 19 / 1700-1715 / 3 / Journal / CT SS2 0, 3. 2 big faint prominences, 1 smaller one.

up/ me 16166E2 2000-1910-1930 / 3 / Journal broke back door to observatory.

16167M3 Dec 20/21/0445-0620/10-7 /Jarmac/ CN3d, 0.5 h E. CN3efm but m was defocused 16

16168S December 20/21, Sunday 21/22 / 0400-0415 / 10/Jarmac SS2 with Coroblia 9, 6 prominence 16

16169E2 2215-0000 /10/Jarmac/ Getting Flare ready CM P-1 Unaid watch. 16

16170M3 0435-0630/10/Jarmac/ CN3d with Miranda 0.8 h E. CN3m with Flare; CN3ek CN3F with Opadiah. Flare's pins were a bit less defocused than prev. night; Opadiah perfect as usual. 16

16171S 2 Y? / 1630-1645/3/Jarmac SS2 0, 8 prominence. 16

16170M December 24/25/31/Jarmac/ 2i 1900-0400/10/ CN3k attempt to get Clyde working. Not yet. 16

16172S December 25/1400-1500/31/Jarmac/ CN3k II attempt to get Clyde working successful! That I like to write 16

16174M Dec 26/27/ 0400 to 0610/10/ Very cold + frosty / CN3 0.2 h E, CN3km. Clyde seems to work at last. 16

16175S Dec 27/1710-1725/10/Jarmac/ SS2 0, 0. 16

16176M2 0400-0625/10/Jarmac/ CN3d 0.8 h E. CN3efkm. Roof chain system malfunction. 16

12-08

16177S

Dec 28/29/1705-1720/10/Journal SS2 with Cordelia 0, 4 prominences.

12-08

defocused.

4/5)

minimences

16178MR

0415-0630⁰⁴²⁰/a little too windy.

e ready

16179S

Dec 29/1605-1620/10/Journal SS2, 0, 3.

3rd

top

16180MR

0330-0635/10, some wind/Journal CN3d: 1.6^hE. CN3e f km. Nice session despite a breeze.

16181S

Dec 30/0405-0605-0630/10/Journal SS2 0, 4.

16182E2

1930-2015/10/Journal. 1 checkin?

minimences

0400 int)

lot yet.

16183M3

0410 to 0640/10/Journal/almost no wind this morning. CNIII d: 1.0^hE. CNIII e f km t also.

16184S

Dec 31/0410-0425/10/Journal SS2 0, 3.

essful!

16185MR

23:0015-0040/10/Journal/CMP1 - Captoid watch but still no meteors. I took Mr. The Beagle for a walk.

*

16186M3

0415-0640/10/Journal/CMP1, or possible Captoid meteor. Unsure though. CN3d 1.1^hW.E. CN3e f km t.

2, 0.

16187S

January 1, 2009/10/Journal/SS2 0, 5 with Cordelia.

tion

16188E2

2100-2300 int/10/Journal/CN3L with Samwise.

16189M3 0415 to 0635 / 10 / Jarnac / CMPI /
telescopic meteorological meteor. Also
CN3eFK/m.t. Very beautiful David Jovysky.
CN3d 0.4^hE.

16190S Jan 2/3, 2009 / 1520-1540 / 10 / Jarnac /
SS2 Q,5 with Cordelia.

16191M2 QUADRANTIDS 2009! and it's about
moonless. / 0405 to 0635 / CN3eFK/m.t.
CMPI Quadrantid Meteor Shower. I
saw, in a little over an hour, 38 meteors.
Setup the automated telescopes & the
chain, then began observing ~ 4:50.
Until 0610. No comet visual search patrol
this morning. Wonderful!

16192S Jan 3/4 / 1545-1610 / 10-3 / Jarnac /
SS2 Q,5 with Cordelia.

16193S Jan 5 / 1500-1515 / 3 / Jarnac / SS2
with Cordelia Q,5.

16194M2 0405-0640 / 10 / Jarnac / CN3d 1.1^hE
CN3eFK/m. CMPI, 5 meteors, 1 naked eye,
4 telescopic. I think they were all late
Quadrantids.

16195BM Jan 6/7 / 0415 to 0645 / 10 / Jarnac / CN3d 0.6^hE
CN3eFK/m, CN3e TV Gw - in a very nice
outbursting outburst!

01-09

161963 Jan 7/8/1500 to ¹⁷¹⁵10/10 / Jarnac / SS2 with the Cordelia
0,5. Dean came to install the board from Cordelia
to Esther. Guy Westcott, friend & family also visited

16197E2 2100-2330^{ind}/10-7m / Jarnac / Esther starting to
connect.

16198MB 0410 to 0700/10 / Jarnac / CN3d 0.7^hE.
CN3e Fklm / TV Cw in nice outbursting outburst

16199S January 9/12 45-1315/10 / PAS observing site on N shore
from Lake Pontchartrain. SS2 0. with Observation
Telescoping Telescope in Observatree.

16200M2. 0030-0050/3 / Crystal St. New Orleans. / Full Moon,
gnd. session and walk.

16201S Sunday, Jan 10/1530-1600/10 / Jarnac /
SS2 with Cordelia, 0, 2. 1 big complex.

16202E2^M 2000 to ⁰²⁰⁰2330/7-5m / Jarnac & SS Dean
tried unsuccessfully to align Clyde's
CCD. Scope may need a full collimation.
CN3h worked! Full set. Also CN3h, small set.

16203S Monday, Jan 11/1540-1600/10 / Jarnac / SS2 0.

16204E2 2000-0000/10-7 / Jarnac / CN3h ind.
GA Esther works at last!

16205S Tues Jan 12/1630-1650/10 / Jarnac / SS2 0, 3

162239 January 25/1535-1555/31 Jarnac/ SS2 O, 2[?] prominences 162

16224E2 1830-2330 int/10-21 Jarnac/ HST pass, telescope reached - lat one point. Sky clouded over later. 162

162255. January 26/1730-1745/31 Jarnac/ SS2 with Cordelia O, 1 prominence. Some clouds over Sun. 162

16226M2. 0355-0655/3-21 Jarnac/ CN3d - visual session was fine - 1.1^h SSE, through a nice section that stayed clear very near the SSE horizon. CN3e f h k l m n t all did well despite clouds. The clouds were dynamic, forming and dissipating quickly throughout the duration of this session. 162

16227S. Jan 27/28/1555-1610/10-31 Jarnac/ SS2 with Cordelia: O, 2 prominences. 162

16228M2 0350-0655/10-Jarnac - COLD/ CN3e f h k l m n t. Nice images but Sunrise troubled. CN3d 1.5^h E. 162

16229S. January 28/10-Rancho Hidalgo Plant Park. Gene Turner Jack + Alice Newton others, Patsy Tomblough, Annette + Bill, Alden. Very nice session; busy. 162

- 09-01
- 16230S. Jan 29/1630-1645/10/Jarnac SS2 0,3;
One of the prominences was faint + quite large.
- 16231E2 1810-1830/10/Jarnac Peaks + we saw a -
iridium flare.
- 16232S. Jan 30/0405-0420/10/Jarnac/SS2 with
Cordelia 0, 2 prominences.
- 16233E2 1900-2300 int/10/Jarnac/CN3t, CN3,
Comet Kuehida seen, ~ 11 m. M31, moon.
- 16234M3 0410 to 0650/10/Jarnac/
CN3d 0.8^hE. CN3e Fhklmt. Nice morning.
- 16235S Feb February 1/1600-1615/10/Jarnac/SS2 0,1.
- 16236M2 0410 to 0650/10-windy again/Jarnac/CN3d 0.6^hE
CN3e Fhklmt. Beautiful sky but bothersome breeze.
2 Comet Meteors, so CMP-1 Comet Meteor Watch.
- 16237S February 2/1615-1635/10/Jarnac/Cordelia/SS2 0,
1 large faint prominence.
- 16238M2 2/3/0410-0640/10, windy again/Jarnac/
CN3d 1.1^hE. CN3e Fhklmt.st. Tompered CN3t
just after I began. Nice session in the morning
despite the wind. It's a lot of work running 6 scopes!
- 16239S 3 February 1535-1550/10/Jarnac/SS2 with the
Cordelia/SS2 0, 1 tiny prominences.

16240E2. February 3/4/1900-2300 int / 7 / Jarnac /
CN3 K11, telescope focused + finely aligned.

16291M3 0100-0115 / 7 - windy / Jarnac / close up.
Too windy.

16292S. February 4/5/16830-1645/10 / Jarnac /
SS2 0, 2 nice prominences with Cordelia.

16293E2 18 F.25-2005 / 7 / Jarnac / ISS pass
over SW sky. CN3 R start. Mercuridat
ancient speaker works or with my old tape
recorder.

16294M3 0410 to 0645 / 10-3 / Jarnac / just
a couple cirrus clouds / CN3 e f h k l m t.
CN3 d 0.6 h E.

16295S 1600-1615 / 10 / Jarnac / some breeze /
SS2 with Cordelia 0, 3 prominences

16296M2 0410-0710 / 10 / (no wind!!) / Jarnac /
CN3 d 1 h E. CN3 e f h k l m t. CMP-1 alpha
Leonid meteor watch.

16297S. February 7/1700-1715 / 3 / Jarnac / SS2 with
Cordelia 0, 1 prominence.

16298E. February 8/2315-0000 int / 0 / Stanfield
adjacent to Markonkus observatory, Nova Scotia
occasional view of Moon.

09-01

16298E February 9/1730 to 1815 int | 7m | Acadia | We saw & photographed moonrise over the Minas Basin, at mid outgoing tide.

16300E February 10/2130-0000 int | 11 | Maktombus Observatory | Halifax Center Party.

16301S February 11/1215-1510/1 | Acadia | 3 hour walk near high tide. Nice photographs of Ridge Style Park, Ridge Road, Acadia, & dykes.

16302E2 1930-2200 int | 11 | Maktombus Observatory | Minas Astronomy Group party.

16303E Feb 12/2300-2330/11 | Maktombus Observatory | Telescope view with Ray.

16304E Valentine's Day. | 2300-2315/3 - general.

16305E 2215-2340 int | 2-1 | Jarnac. general.

16306S February 16/1740-1755/10 | Jarnac | SS2 with Cordelia O, 1 prominence.

16307S February 17/1755-1805/3 | Jarnac | SS2 with Cordelia, O, O but Sun was partially covered by a klippy cloud.

16308M2 0000 to 0055/10 | Jarnac | Chackin' comet discovery rpt from Jack Newton No. also CN3 - Comet Kullin. Bright, no real structure.

16309S. Wednesday, 18 February | 1625-1640 | 10 |
Jarnac | SS2 Cordelia 0, 4.

16310E2. 1800-2045 | 10 | Joanne Jarnac, earlier
WADH / Veil Astronomy Club.
Between 25-100 people were there, including
Brent + Joanne Archerival. Nice night.
Walked by the Beagle to Starizona site
afterwards.

16311S Thursday, 19 February | 1625-1640 | 10 | (Jarnac)
SS2 with 'Cordelia' 0, 4 prominences, all faint.

16312E Friday, 20 February, 1962 not | 2100-2115 |
3-2 | San Diego, nice pleasant evening after
party @ Air + Space Museum.

16313E Saturday, 21 February | 2200 to 2230 | 11 |
San Diego. Pleasant walk after bangect.

16314E Sunday, 22 February | 2300-2315 | 3 | (Jarnac)
general look @ Orion.

16315 Ma Monday, 23 February | 0340-0515 | 10 | (Jarnac)
CN3e Fh R'n. CN3d 1.1"E.

16316S Wed-Fri Wed, 25 Feb | 1600-1710 | 3 | (Jarnac)
SS2 0, 2. Installation of new bins.

16317E2. 2200-2230 | 10 | (Jarnac) Saw
Comet Iulin through Obadiah; with Glendee.

16342E2. 2000 to 2130/10/31/Jamaica/ Rick Fienberg & his Andover / Phillips Academy students + Miranda / view of M42, M65, 66 + fainter neighbor, red star / CN3d 0.1^hE demonstration.

16343M3 midnight to 0100/10/Jamaica/ checking for my glasses. Gen. const. obs.

16344S 18 March, Wednesday / 1630-1645/10/Jamaica/ SS2 0, 5.

16345E2. 2110 to 2150/10/Jamaica/ Zubergelgenubt / CN3b 0.3^hW, M42, and a satellite that really gave a 3D look through the telescope.

16346S 19 March, 2009 / 1700-1715/10/Jamaica/ SS2 with Cordelia 0, 2 prominences.

16347E2 20 March / 0250 to 0500/10 - Jamaica / CN3d 0 1.1^hE. with Miranda. CN3ef h.k.n.

16348S 21 March / 1700-1715/3/Jamaica/ SS2 0, 1.

16349E2 21/22 March / 2330-2350/2/Jamaica / gen const. obs.

16350S 22 March / 1530-1550/10/Jamaica / SS2 0, 4.

16351M2 22/23 March / 12th anniversary / 0355-0530 / 10 / Jamaica / CN3b 0.8^hE, CN3e.f. with Zubergelgenubt.

153855. April 22) 1830-1845 / 3 / Jarnac / SS2 0, 5. 153
huge hummingbird prominence.

15386E2. 2040-2055 / 3 / parking lot near U of A) 153
Wendee, Thom, Twila / sporadic
meteoric meteor.

15387M3 April 22/23 / 0250-0500 / 10 / Jarnac) 153
CN3b 1^hE. CN3e Fh kln.

15388S. April 23 / 1825-1840. / 10 / Jarnac / 153
SS2 0, 5.

15389M April 23/24 / 0240-0510 / 10, 3 / Jarnac) 153
CN3d 0.5^hE, CN3Fhk. 1540

15390S April 25 / 1830-1845 / 10 / Jarnac / SS2 0, 2.

15391M April 25/26 / 0240-0530 / 10-3 / Jarnac) 1540
CN3 0.5m, CN3e Fh kln. Nice session.
CMP-1, 1 late, slow-moving Lyrid.

15392S April 26 / 1800-1815 / 10 / Jarnac / 1540
SS2 0, 2 small prominences.

15393M2 0250 to 0530 / 103 / Jarnac / CN3e Fh kln 1540
and CN3d 0.5^hE. Very good session!
also CMP-1.

15394E April 27 / 2245-2315 / 10 / Jarnac / CN3e. 15403

15482 AE3 | 2220 to 2330 | 3 | Jarnac | Dec 79
balanced Gladial again! 1549

15483 M4 0130-0150 | 2 | Jarnac | closing up
due to clouds.

15484. July 17, Friday | 1700-1715 | 1.3 | Jarnac |
SS2 0, 3.

15485 M2 0000 to 0015 | 3 | Jarnac | checkin.)

15486 M3 0125 to 0335 | 3 | Jarnac | CN36 0.8^hE
CN3F, CN3 R11 full sets.

15487 #M July 18/19 | Midnight - 0015.

15488 M2 0130 to 0335 | 3 | Jarnac | CN36 0.8^hE. 1549
CN3 R11-CN1, CN3F.

15489 EM July 19/20 | 2145 to 0100 | 10+, 1
The first night at our Adirondack Astronomy
Retreat. One of the finest nights I've
ever seen. If the stars came out once in
a thousand years, I'd have lived better
because I had this night. The Milky
Way brightened the sky, and NGC 869 &
874 were the best since August 1968,
same telescope!

CN3S 2^h E W, + E.

CNPI 2 Delta Aquarids, 1 bright
Point Perseid. 1549.

155406 August 28/29/ 1600-1615/10/ (Jarnae)
SS2 with Cordelia, the Beagle, & Bryan from
Kinetic / SS2 0, 5 prominences.

15541M2 0215-0505/10, 3/ (Jarnae) SS
CN3d with Miranda 1.5^h E.
CN3FhKmn. CN1, CN5.
CMP-1 - 3 meteors, 2 nice rocket eyeones.

15542S August 29/30/ 1730-1830 int/
3/ (Jarnae) SS2 0, 11. Moving clocks
around.

15543M2. 0250-0525/3/ (Jarnae)
CN3b 1^h E. CN3FhKmn. CMP-1 3 meteors.
Nice calm night.

15544M August 30/31/ 0250 to 0515/3/ (Jarnae)
CN3b 0.4^h E with Pegasus.
CN3FhKmn came out better than expected
Them working on Gemini.

15545EM. Aug 31/32/ 0250-0545/7-3/ (Jarnae)
CN3 0.4^h E with Pegasus + Gemini.
CN3FhKmn. Estla seems broken
♀

15546S September 1/2/ 1730-1800/1/ (Jarnae)
CN3h repair with Steve Peterson.

15547S September 13/ 1730-1800/3/ (Jarnae)
SS2: 0, 2 with Cordelia.

15555 M Sunday, Sept 20/21 / Monday morning
0315-0600 / 10 / Journal / CN3d 0.7hE.
CN3F kln. Thom + I enjoyed this
session under a clear, calm sky.

15556 S. Monday, Sept 21/22 / 1730-1745 / 10 /
Journal / SS2 with Mintaka D, 2.

15557 E 2. Before 15555. / Sun Sept 20/21
1900-2030 / 10 / Journal / Thom + I set up
Eather, who works now!

15558 E 2. 21/22 / 200-2130 / evening with Daniel Buisson / CMP
15559 M 2. Sept. 22 / 21/22 / 0300-0600 /
10 / Journal / CN3d 0.5hE, CN3F kln.
Thom + the Beagle joined me.

15560 S. Sept. 22/23 / 10 / Journal / SS2 with
Mintaka 0, 1 bright red prominence.

15561 E 2. 1900-2050 / 10 / Journal / CN3d
reinstalling camera, and CN3h camera.

15562 M 3. 0250 to 0550 / 10 but windy / Journal / Thom
CN3d 1.5 E. CN3F k. Krautzung rages
several.

15563 S. Sept 23/24 / 1745-1800 / 10 / Journal /
SS2 with Mintaka 1:5, 3 prominences.
New new spot group!

15564 E 2. 1915 to 2000 / 10 / Journal / JTB setup.

15709E. 1900-0000 int / 3 / Jarnae / CN3b 0.1h.
CN3m focusing + start of set. Claire's
fixed! Very very pleased with its performance.

15710B 0415-0430/10 / Jarnae / Too windy. CMP, 0.

15711S. Tuesday, Jan 12 / 1530-1600 / 10 / Jarnae /
SS2 with Mintaka / SS2 1:28 - 2 prominences

15712E2 2105-2120 3 / Sonoma Astron. Soc /
14" Celestron donated by the late Marvin Vann.

15713E2B 2325-0000 / 3 / Jarnae. (CN3h 2 testing.

15714M 0415 to 0700 / 3 / Jarnae / CN3d 0.6h E.
CN3e Fk km.

15715EE Wednesday Jan 13 / 1700-2145 int /
3-10 / Jarnae. Sun too low. CN3t.
CN3h2 maintenance.

15716S Thursday, Jan 14 / 1630-1650 / 10 / Jarnae /
SS2 with Mintaka, 1:22, 1 prominence.

15717E2 1800 to 2000 / 10 / WADLO, CF in coll. school /
STS, SS3. CMP-1. We saw one - 4.5 meters
meter, going from Lepus northwards. Could it
have been a scattering satellite? Or an
O-grayer even star? The last SS3 session
here yet.

15869B 0325 to 0640 / 10 / Jarnac / CN3d 0.3h E. 1587
CN3e TVGw. CN3f Obadiah
CN3h Esther DST. CN3h11-CVI Potus 1588
CN3K11-CVI Clyde. CN3L-Samuel's lens
CN3 40m - Flare. CN3 n - Esther Apogee.
CN3t Hyperion.

15870S. Saturday, March 20 / 1500-1515 / 10 / Jarnac / 1589
Mintaka / ~~ET~~ SS2 0:4.

15871E2 2000-2030 / 10 / Jarnac / Zubehdagenubi / 1590
CN3b 0.1h W.

15872E Sunday, March 21 / 2100 CDT-2115 / 7 / Houston / 1591
First night at San Jacinto College.

15873S. Monday, March 22 / 1400 to 1700 / 3 / NASA-JSC / 1592
Wonderful tour of Comet P/Wild-2 particles,
lunar rocks, including the Genesis Rock
from Apollo 15, and the meteorite ALH
84001.

15874S. Tuesday, March 23 / 1425-1435 / 3 / Jarnac / 1593
NASA-JSC - view of Saturn 5 rocket
from tip of the escape tower to the huge F1
engines. 1594

15875E2 1920-1935 / 10 / Dallas Airport DFW / 1595
Sun setting.

15876S. Wednesday, March 24 / 1515-1600 / 10 / 1596
Jarnac Thom / Potus plus SS2 1:8, 5.

15610 E2 June 10 / 2050-2200 int / 10 / Jarnae / CN3e CN3h11. 15

15612 M3 0140-0415 / 10 / Jarnae / Jarnae / 15
CN3 Fh11 k11 L11 40m n. SS3. Sky 2
LPO-1, no evidence of latest 2 impact

15613 S. June 11 / 1800-1815 / t-3 / Jarnae / SS2, 15

15614 E2 2100-2230 int / 10 / Jarnae / Spicer,
and Patwo / CN3h11. CN3e.

15615 M3 0155 to 0430 / 10 / Jarnae / Windy / 15
CN3 Fh11 k11 L11 40m n s. SS3
Sky 2 LPO-1 and CNPL. 5 meteors plus
1 with Obadiah = 6 meteors. Almost
70 images.

15616 S. June 11 / 1815-1830 / 10 / Jarnae / SS20, 7. 15

15617 E2 2100-2230 int / 10 / Jarnae / M:CN3e
CN3h11. 15

15618 S. June 13 / 1745-1810 / 10 / Jarnae / Cordelia
SS2 0, 7. 15

15619 E2 2055 to 2230 int / 10 / Jarnae / 15
SS3, Sky 2, LPO-1 Saturn, Venus
CN3e, CN3h11. Mark + Sumner + Matt
saw Venus + Saturn. Mark saw a big
meteor in U dust. 15

1561

15630E2: 2045 to 2250 / vit / 7m / Jarnac /
CN3e, CN3h11.

15631M3. 0135-0445 / 10 / Jarnac / CN3e fll11 kll41140n
CMP-1, 7 meteors, 5 visual, 2 imaged. 17 m
was here. CN3b 1.5^h E. 1^h ST seen.

15632S. June 19 / 1835-1900 / 10 / Jarnac 4 / SS2
h1, 4. One prominence goes almost
200,000 miles above the surface of the Sun.
Wenda came out to see this marvel.

15633E2 2050-2250 / 7m / Jarnac / CN3e h11. 15

15634M3. 0135-0440 / 10 / Jarnac / CN3F h11 k11 L11
40m n s / Them / CMP1 3 meteoric meteors.
HST. 15

15635S June 20 / 1640-1655 / 10 / Jarnac / SS2, 1:3,4 15

15636AN2. 1900 to 0445 / 10-3 / Jarnac / SS2 with
the McMath-Pounce Solar Telescope, f: 7.
Saw grain-tinge up to 20 minutes before
Sunset. 15

after my lecture at the 90-inch,
we looked at Saturn. 156



Magnificent view.
Then we went to the position of the
comet. I found several bright stars
esp. one near the center. Just above it, 156

I glimpsed a very faint structure that might be the comet. It was at the position of the comet - the 90-inch points accurately - and may have been it. So I have a possible sighting!

Then home, and a brief attempt at TVOw - but too low. Then
CN3 F h h || k || L || 40m n s.
CMP1, 8 meteors this night. + / CCD = 9
SS3, sky 2, CN-1, CN5.

15637S. SUMMER of 2010.
June 21/1835-1850/3-10/Jornae/SS2
1:4, 4.

15638E2. 2030-2200 with 7m/Jornae/5 CN3e, h

15639M3 0150 to 0510/10-31/Jornae/
CMP-1 4 meteors. CN3 F h h || k || L || 40m
Saw Falcon rocket tumbling in space.

15640S. June 22/1810-1825/31/Jornae/SS2 0, 4.

15641E2 2110-2300 with 7m-3/Jornae/CN3e, h ||.

15642M3 0150 to 0450/10/Jornae/CN3 F h h || k ||
40m n. CMP1, 5 meteors.

15643S. June 23/1800-1815/31/Jornae/SS2 0, 4.

I glimpsed a very faint structure that might be the comet. It was at the position of the comet - the 90-inch points accurately - and may have been it. So I have a possible sighting!

Then home, and a brief attempt at TVOw - but too low. Then
CN3 Fh hll kll Lll 40m n s.
CMP1, 8 meteors this night. + 1 CCD = 9
SS3, sky 2, CN-1, CN5.

156375. SUMMER of 2010.

June 21/1835-1850/3-10/Journal/SS2
1, 4, 4.

15638E2. 2030-2200 with 7m/Journal/5 CN3e, hll.

15639V13 0150 to 0510/10-31/Journal/
CN3P-1 4 meteors. CN3 Fh hll kll Lll 40m n.
Saw Falcon rocket tumbling in space.

15640S. June 22/1810-1825/31/Journal/SS2 0, 4.

15641E2 2110-2300 with 7m-3/Journal/CN3e, hll.

15642V13 0150 to 0450/10/Journal/CN3 Fh hll kll
40m n. CMP1, 5 meteors.

15643S. June 23/1800-1815/31/Journal/SS2 0, 4.

15644E2. 2100-2315/31/Journal/Then CN3e, hll.
Then I observed T3 a bit.

- 15645M3 0325-0355 | 3 | Jarnae | CN3 & 0.4" | 1565
- Total since P/2006 TR = 300.1^h
- 15646S June 24/1130-120/3 | setup for ALCON party | 156
- 15647S2 June 24/1630-1655/3 | Jarnae 4) | 156
- SS 2 0, 4; 2 pictures of small prominence
- 15648E2 161840- | 2-3 | Jarnae | 156
- SUMMER OF 2010 ASTRONOMICAL LEAGUE
STAR NIGHT! ~40 people, tour. Venust-Sat
w. Obadiah.
- 15649E 2100-2300 int June 25/3 | Jarnae | 156
- CN3e, CN3 hll.
- #15650M2 0155 to 0530 | 3 | Jarnae | Sues-1. | 156
- PARTIAL ECLIPSE OF THE MOON.
#78. It was cloudy at first but grad-
ually cleared up for a magnificent view.
Could see reddish tinge of \ominus -shadow at
least eclipse just at start of dawn.
Wendee, Scotty, + Thom were with me.
Took pics with Canon.
- 15651S June 26/1855-1910/10 | Jarnae | 156
- SS 2 1, 2, 4.
- 15652EM2 2045-0000 | 7m | Jarnae | 156
- CN3e, hll. Later, Scotty fixed Obadiah
gearing.
- 27th Penn. Co. birthday/3 | Jarnae | 156

15655S June 28/1855-1910/10/Jarman/³10=7m/Jarman
SS2 1:2, 11.

15656ER 2110-2315/197m/Jarman/CN3e, CN3h11-CN1.

15657S June 29/181905-1920/3/Jarman/SS 2:2; 4
through clouds.

15658ER 2100 to 2315/3/Jarman/Spruce, Potus/
CN3e, CN3h11.

66
15659S June 30, Summer of 2010./1855-1910/3/
Jarman 'SS2 through clouds 1:1, 2,
clouds blocked most of 3.

15659ER June 30/2115-2355/3/Jarman/
CN3e, CN3h11. some cloudy bothered
the collection of data on these fields.

15660S July 5/1930-1945/10/American Airlines jet
between Dallas + Tucson/ Sunset + Green
Flash from the air.

15661ER 2100-2330/10/Jarman/CN3h11, CN3e.

15662S July 6/1900-1915/3/Jarman/SS2 1:1, 2.

15663ER 1/2100-2330(int)/3/Jarman/CN3h11, CN3e.

15664S July 7/1900-1915/3/Jarman/SS2 1:1, 1.

15665S July 8/1900-1940/3-2/Jarman/SS2 0, 2.
Oremland + Jarman 53

15645M3 0325-0355 / 3 / Jarnae / CN3d 0, 4

Total since P/2006 TR = 300.1^h

15646S. June 24 / 1130-120 / 3 / setup for ALCON party

15647S2 June 24 / 1630-1655 / 3 / Jarnae 4 /
SS2 0, 4; 2 pictures of small promena

15648E2 ~~16~~ 1840- / 2-3 / Jarnae /
SUMMER OF 2010 ASTRONOMICAL LETS
STAR NIGHT! ~40 people, town. Venust-Sat
w. Gladiah.

15649E 2100-2300 int June 25 / 3 / Jarnae /
CN3e, CN3h11.

#15650M2 0155 to 0530 / 3 / Jarnae / Success-!
PARTIAL ECLIPSE OF THE MOON.
#78. It was cloudy at first but grad-
ually cleared up for a magnificent view.
Could see reddish tinge of \ominus -shadow at
deepest eclipse just at start of dawn.
Wendee, Scotty, + Thom were with me.
Took pics with Canon.

15651S June 26 / 1855-1910 / 10 / Jarnae /
SS2 1, 2, 4.

15652EM2 2045-0000 / 7m / Jarnae /
CN3e, h11. Later, Scotty fixed Gladiah's
gearing.

15653S. June 27th / Penn. L. h. 11 - L. 13 / Jarnae /

5655S June 28/1855-190/10/Jarman/³10=7m/Jarman
SS2 1:2, 11.

5656ER 2110-2315/197m/Jarman/CN3e, CN3h1/CN-1.

5657S June 29/1845-1920/3/Jarman/SS 2:2; 4
through clouds.

5658ER 2100 to 2315/3/Jarman/Spica, Betul/
CN3e, CN3h1.

⁶⁶
5659S June 30, Summer of 2010./1855-1910/3/
Jarman 'SS2 through clouds 1:1, 2,
clouds blocked most of 0.

5659ER June 30/2115-2355/3/Jarman/
CN3e, CN3h1. some clouds bothered
the collection of data on these fields.

5660S July 5/1830-1945/10/American Fisking Jet
between Dallas + Tucson/ Sunset + Green
Flash from the air.

^{int}
5661ER 2100-2330/10/Jarman/CN3h1, CN3e.

5662S July 6/1900-1915/3/Jarman/SS2 1:1, 2.

5663ER 1/2100-2330(int)/3/Jarman/CN3h1, CN3e

5664S July 7/1900-1915/3/Jarman/SS2 1:1, 1.

5665S July 8/1900-1940/3-2/Jarman/SS2 0, 2.
Opening + closing 53.

15667S. July 9/1920-1935/3-2/Jarman/SS2 0, 4.

15668M2 0150 to 0445/3/Jarman/CMP, CN1, CN5,
CN3Fh kll kll Lll 40m n. Partly cloudy sky
interfered a bit with some of this morning's images.
CN3d 1h E, S.

15669S July 12, Monday 1705-1730/3/Jarman/
SS2 1:5, 10 small prominences.

15670M2 0145-0300/3/Jarman/CMP-1, 2
meters. CN3h 11 40m h. Stopped after a
few exposures because of persistent clouds.
CN3d 0.1h E. Again, stopped for clouds.

15671S. July 15) Bastille Day plus 1) 1700-1715/
3/Jarman/SS2 1:1, 10

15672M2 0110-0445/3/Jarman/CN3d 1.1h E. CN3Fh kll kll Lll 40m n.

15673E. July 16/2100-2140/2/Jarman/CN3e. TV cur?

15674S July 18/1815-1830/3/Jarman/
SS2 0, 4. with Cordelia.

15675M2 19/0135-0440/3/Jarman/CMP, 2 meters
CN1, CN5, CN3d 1.3h E. CN3Fh kll kll Lll 40m n.
rise summer morning.

15676S July 20, 1969/1745-1800/3/Jarman 4/
SS2 1:12, 7 prominences with Cordelia.

15677E. July 26/2231/24/1920-2045/3/1 Jarman

There were clouds that came in at sunset,
can passed by, reformed, passed by again.
This session opened this year's AAR quite
successfully.

15688EM. Friday, August 6/7/2000 to 0145/10-3
Adirondack Astronomy Retreat. CMP-1, 2 meters
CN3s: 1.5^h W with Minerva. Peter & Diana
arrived, + everyone had a very good time.
Some clouds especially at the end, when
there were many clouds in the east.

15689AN Saturday August 7/8/2015-0400/
10, then 3/ Adirondack Astronomy Retreat.
CMP-1.

DELTA AQUARIID METEOR WATCH.
2 late Delta Aquarids.

PERSEIDS METEOR WATCH.

Most of the 92 meteors we saw
were Perseids tonight.

KAPPA CYGNID METEOR WATCH

1 meteor confirmed Kappa Cygnid

CN3s with Minerva + Herschel,
2.4 hours W, NE.

15690EM. Monday August 10/11/2000 to 0300/10-3/
Adirondack Astronomy Retreat. 1
LPO-I: Jupiter through AAR.

15690EM Adirondack Astronomy Retreat Telescope, with possibly
cancel'd. the Great Red Spot.

DELTA AQUARIID METEOR WATCH
1 probable paint meteor!
used Canon camera to photograph it.

PERSEID METEOR WATCH.
54 meteors counted by the group this
night.

CN3s 2.5^h W, NW, NE.


15691EM Wednesday, August 11/12/2015 to 0130/3-2
The Adirondack Astronomy Retreat. Differing layers
of light curtains blocked much of the sky.
CMP-1 PERSEID METEOR WATCH

9 meteors tonight.

CN3s 0.4^h W, N.

1
15692AN Thursday, August 12/13/2100 to 0420/1+10/
The Adirondack Astronomical Astronomy
Retreat. Finally the layers of light curtains
began to break up seriously by 10. I did
a wonderful Perseid watch and comet search.

This last night of the retreat was the best -
with no fog from Lake Champlain at all!
L POINT: Jupiter, comets!

South of it!  with Io just
later a nice view of the Great Red Spot

CN3s 3^h W, N, and E.
CMP-1 PERSEID METEORIC METEOR WATCH.

15693M2 Friday August 13/14/02 45-0345/6 |
Old London - Sarnia Railway / Peter Glick /
CMP-1 CHI CAPRICORNID METEOR WATCH.
Peter saw 1 Perseid; that was all
we saw.

15694M (before 15693) 0145-0215/31 between St Mary's
London on Via Rail Bus /
CHI CAPRICORNID METEOR WATCH.

^{None seen}
15695E. Tuesday August 17/18/ 2345 to 0000 /
7/3577 Afuoter / Mom / CMP-1 - no meteors.

15696E. Thursday Aug 19/20/ 1920-2300 (int) /
2/Jamaica at 1925, Geneva - 7 medium
flares in a lightly clouded sky with western
light and bright moonlight. Then
later, I took The Beagle for a walk.

15697E A Sunday August 22/ 2200-2215/31
The Westward Look Resort, Tucson / Moon Dood.

15698E Monday, August 23/ 2120-2135/31 Westward
Look / PSI Retreating Retreat / Moon Dood.

15699E Thursday August 26/ 2130-2200/2 /
Jamaica / Wendee, The Beagle / occasional
views of the Moon.

15700E Friday, August 27/ 2100-2155/2 / Jura
15700E Friday, August 27/ 2100-2155/2 / Jura

15693M2 Friday August 13/14/0245-0345/6 |
Old London - Sarnia Railway | Peter Glickel |
CMP-1 Chi CAPRICORNID METEOR WATCH.
Peter saw 1 Perseid; that was all
we saw.

15694M (before 15693) 0145-0215/3 | between St Mary's
London on Via Rail Bus |
CHI CAPRICORNID METEOR WATCH.

15695E. Tuesday, August 17/18/2345 to 0000 |
7/3577 Afuater/Mom | CMP-1 - no meteors
None seen

15696E. Thursday Aug 19/20/1920-2300 int |
2/Jamaica at 1925, Goawa - 7 uranium
flares in a lightly clouded sky with western
light and bright moonlight. Then
later, I took The Beagle for a walk.

15697E A Sunday, August 22/2200-2215/3 |
The Westward Look Resort, Tucson | Moon Dared.

15698E Monday, August 23/2120-2135/3 | Westward
Look | PSI Retreating Retreat | Mom Dared.

15699E Thursday August 26/2130-2200/2 |
Jamaica, Wendee, The Beagle | occasional
views of the Moon.

15700E Friday, August 27/2100-2155/2 | Juvet
Wendee Moon + Jupiter through haze.

CN3b = 0.4^hE

15708M3. 0250-0555/7= m / Jarnac / CMP-1,
CN3 CN3b^{4^hE} CN3F h k l l k l l 2 l l 40m n.
CN3. Beautiful clear summer morning
CN3b 0.4^hE with Libra. (= Zubandgenubi)

15709S. September 1 / 1830-1845 / 10 / Jarnac /
SS2 2:3, 3.

15710E2 2010-2315 int / 10 / Jarnac / CMP-1,
CN3 + CN3b 0.2^hW with Apollo + Zubandgenubi

15711S. 2 September, Tuesday / 1815-1830 / 10 / Jarnac /
SS2 2:5, 14.

15712E2 2120 to 2255 int / 10 / Jarnac / CMP-1
CN3 0.1^hW with Apollo.

15713M3 0310 to 0535 / 3 / Jarnac / CMP-1, CN-1, CN-5
CN3b 1^hE. CN3F h k l l k l l 2 l l 40m n,
bright 1st magnitude slow meteoric meteor
from NW at start of session.
Nice summer morning.

15714M. 3/4 B September, Friday / 0250 to 0535 / 10 /
Jarnac / CN3 1.1^hE. CN3F h k l l k l l 2 l l
40m n.

15715S. 4 / September / 1200-1215 / 10 / Jarnac / Mintaka
SS2 2:25, 3 prominences

15716E12, 5 Sept / 0245-0545 / 10 / Jarnac / CMP-1, 2 int w. cv-1
CN3 CN3b FR L m n - 0.7^hE.

15717E2 030245-0545 / 10-4 / Jarnac / Coffee
FIRST LIGHT / Wanda / Jupiter. LPO-1.

15718S. 5 Sept / 1815-1830 / 10 / Jarnac 4) SS2 0, 4.

15720M. Sept 5/6/0250-0305/10³/Jamaica/
checkin' the increasing clouds.

15721S. Sept 6/1755-1830/2/Jamaica/attempt/failed to
repair Obadiah.

15722E2 2100-2340 int/10/Jamaica/Wendell & Beagle

15723M3 0250-0530/10/Jamaica/CMP-1, 8 meters:
SOUTHERN PISCID METEOR WATCH.
CN1, CN5, CN3 1.3^hE. CN3 h k l k l l l l 40m, n.

15724E. September 7, Tuesday/2/Jamaica WNDL Obd/
Sharing the Sky Vail Astronomy Unclerk -
Wendee presented the lecture to 50 or more kids
beautifully. SS3, Venus, Mars, M13
Discussion with officials of the Carriacou Astr.
Club.

15725M2 0250-0305/3-2/Jamaica/No.

15726S. September 8, Wendee's birthday/1200-1330/
SS2 0, 3. Repair of fibre-optic cable

15727E2 1900-2315/10/Jamaica/CN3 b 0.1^hW
CN3 0.1^hW \rightarrow 0.2^hW

15728S. September 9/1800-0115/10/Jamaica/SS2
with Cordeira 0, 5.

15729E2 2000 to 2300 int/10/Jamaica/CMP-1, walk
with the Resale as a checkin?

15730EM Friday, Sept. 10/2200-0005/3/Jamaica Conn-
ecticut, Star Party, Ashford, Ct / Carolyn Shoemaker
Just sitting outdoors under the sky for a while.

15731EM. Saturday September 11/2045 to 0015/
3/Connecticut, Star Party / 2 CMP-1 2
meteors: a long meteor and a short meteor.
Short one was probably a Southern Pionid.
Increasing clouds to west later.

15732E Monday, September 13/2040 to 2315/int/
3/Jamaica CMP-1.

15733M2 0240 to 0500/3/Jamaica/Term/
CMP-1, 2 meteoric meteors. CN1, CN5
CN3b 0.2h E, CN3h R11 L1 40m n.

15734S. ^{Sept 14/} 1815-1830/10-3/Jamaica/SS 2 T: 1, 2.

15735E2 2000-2300 int/7/Jamaica/CMP-1.
Wendee + Beagle. Beautiful ISS pass.

15736M3 0245 to 0545/10/Jamaica/CN-1 CN5
CMP-1, 2 meteoric meteors. CN3b 1h E.
CN3h h11 R11 L1 40m n.

15737E Sept 15/2:100-2315/int/7/Jamaica.

15738M2. 0245-0545/10/Jamaica/10 CMP-1 7
meteors. Very bright one from South left a
train. CN3b: P. 2h E. CN3h n h11 L1 40m.

15750M4. 0320-0530/4.3/Jarman/CN-1, CN-5,
CMP-1. HST went just close to M42, got a
picture with Esther, Tom's lens and Tim's
CCD camera. CN3 b; CN3 d 7^h.
CN3 h h 11 L 11 40m in 11.

15751E Sept. 22/23/1950 to 2145/1/Jarman/CN3F
Dean + David came to begin repairs on Obediah.
Outlook hopeful but uncertain.

15752E2. 0415-0430/7m/Jarman/CMP-1.

15753S. September 23/1800-1820/10/Jarman/SS2 2:10
12. 1 very small snake found, probably not
poisonous.

15754E2 2150-2210/10/Jarman/Beagle walk, +
Tom G./CMP-1. Spica + Hyperion

15755S September 24/1135-1210/3/Jarman/
SS2 with Mintaka 2:15, 10.

15756E2 1935-2355/mt/10-7/Jarman/
GSS CN3 0.1^h with Apollo.

15757S. Sept 25/1645-1715/10/Jarman/
SS2 2.13, 1.

15758E2/12+9 1930-2130/10-7/Jarman/
CN3 total 0.2^h m with Apollo and Coffee.
Luby, walk with the Beagle by Green Street.

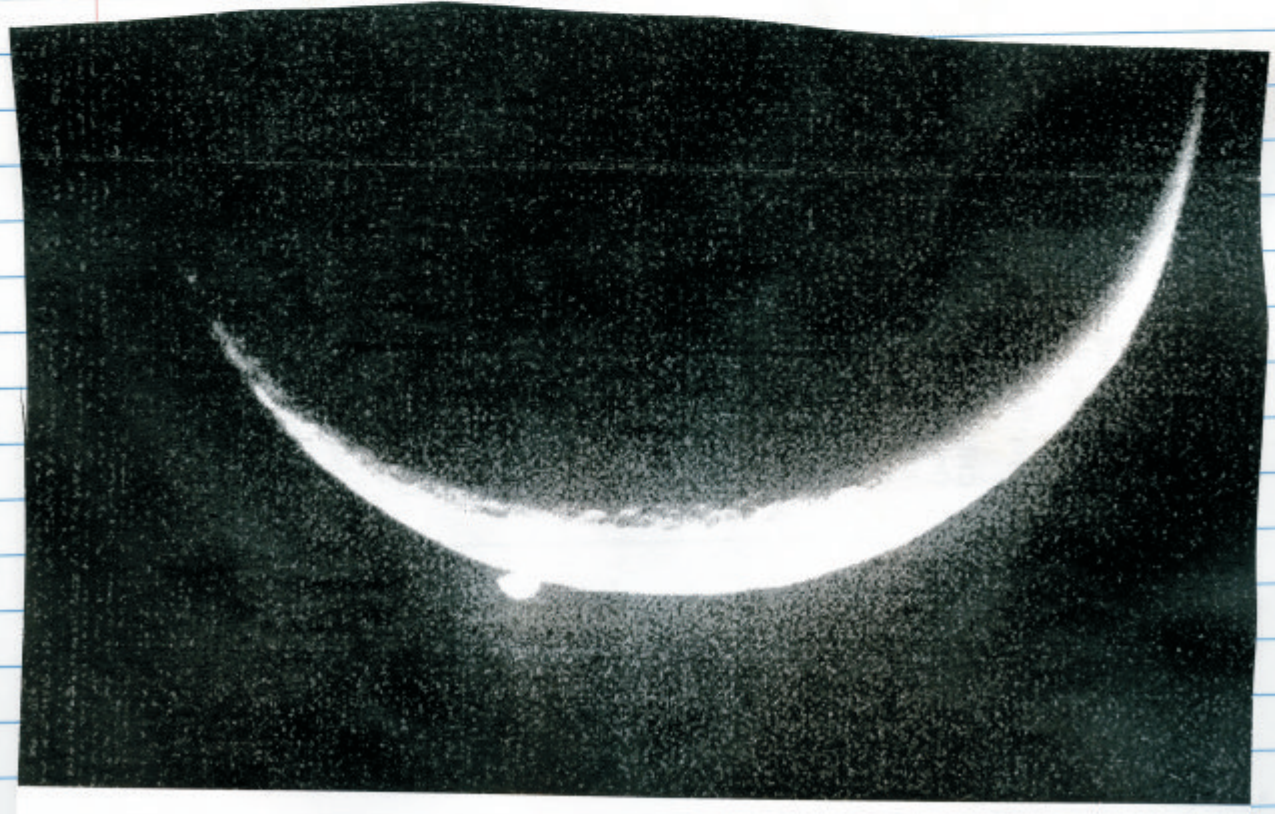
2008 Notes: notebook + journal

15759E. Sept. 26 / 2300-0200 unit 13 /
Jarnae / CMP-1. Clyde test.

15760AE. Sept 27 / 2200-2335 unit 3 / Jarnae
CMP-1.

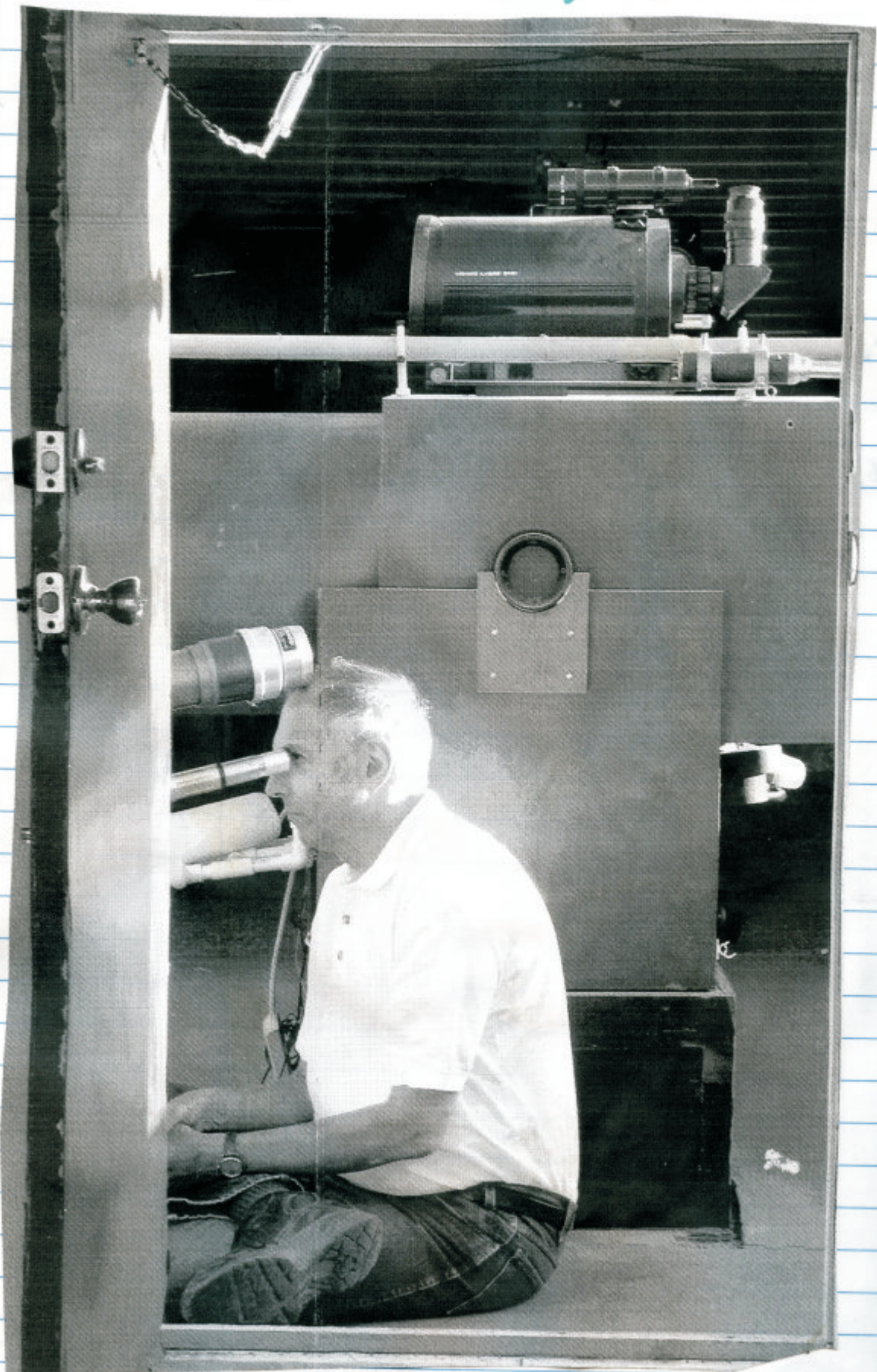
15761S. September 28 / 1700-1715 / 10 / Jarnae /
SS 2 2:17, 2 prominences.

15762E2 2:1900 to 2100 / 10 / Jarnae /
CMP1 CN3m - Pictures of M 94 - The
Cald Eye Galaxy.

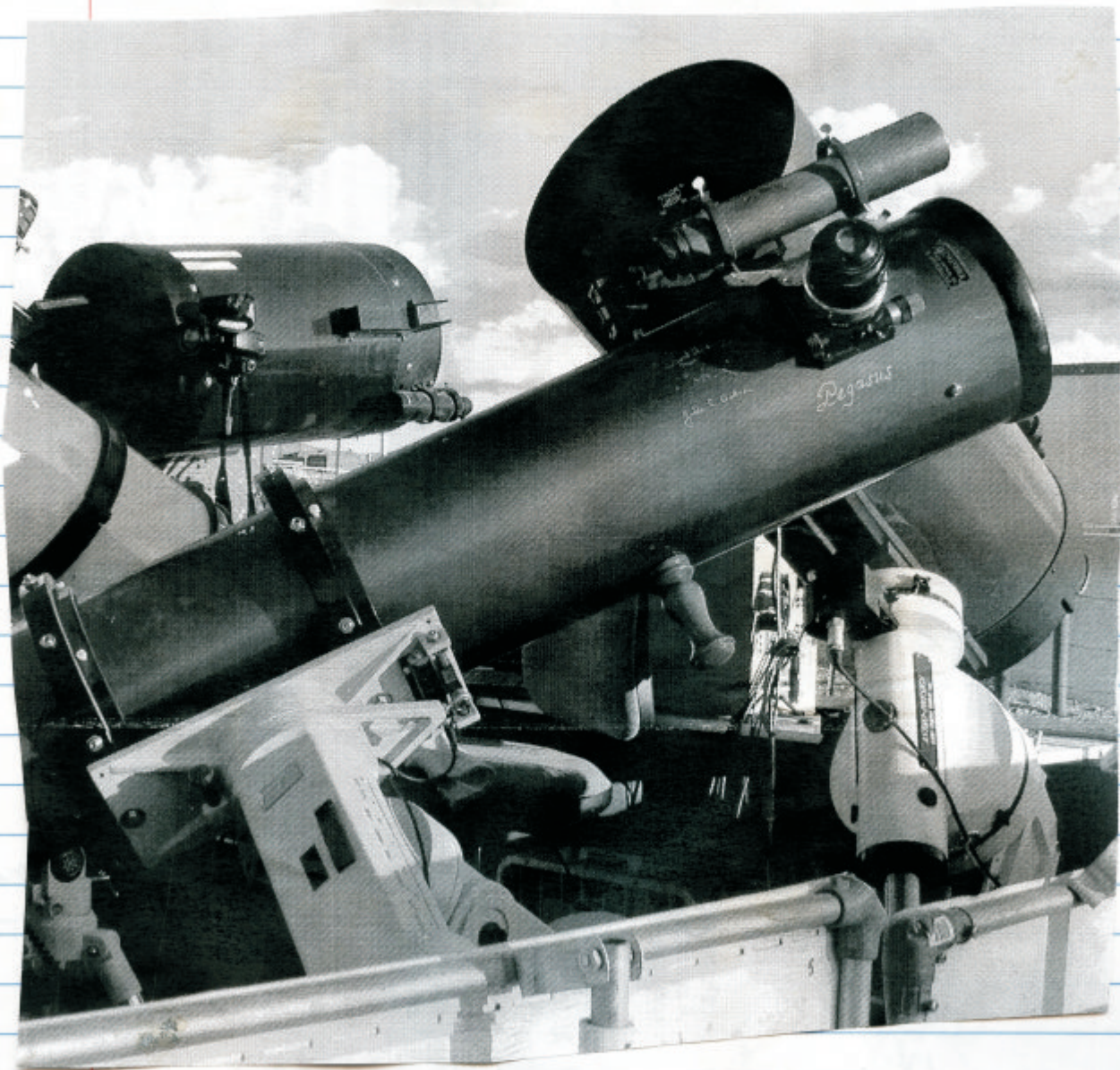


This picture shows Venus about 6

Doveed looking at the Sun in fall 2009.



Jamae Observatory
photo
taken by Wendee
Jath 2009.



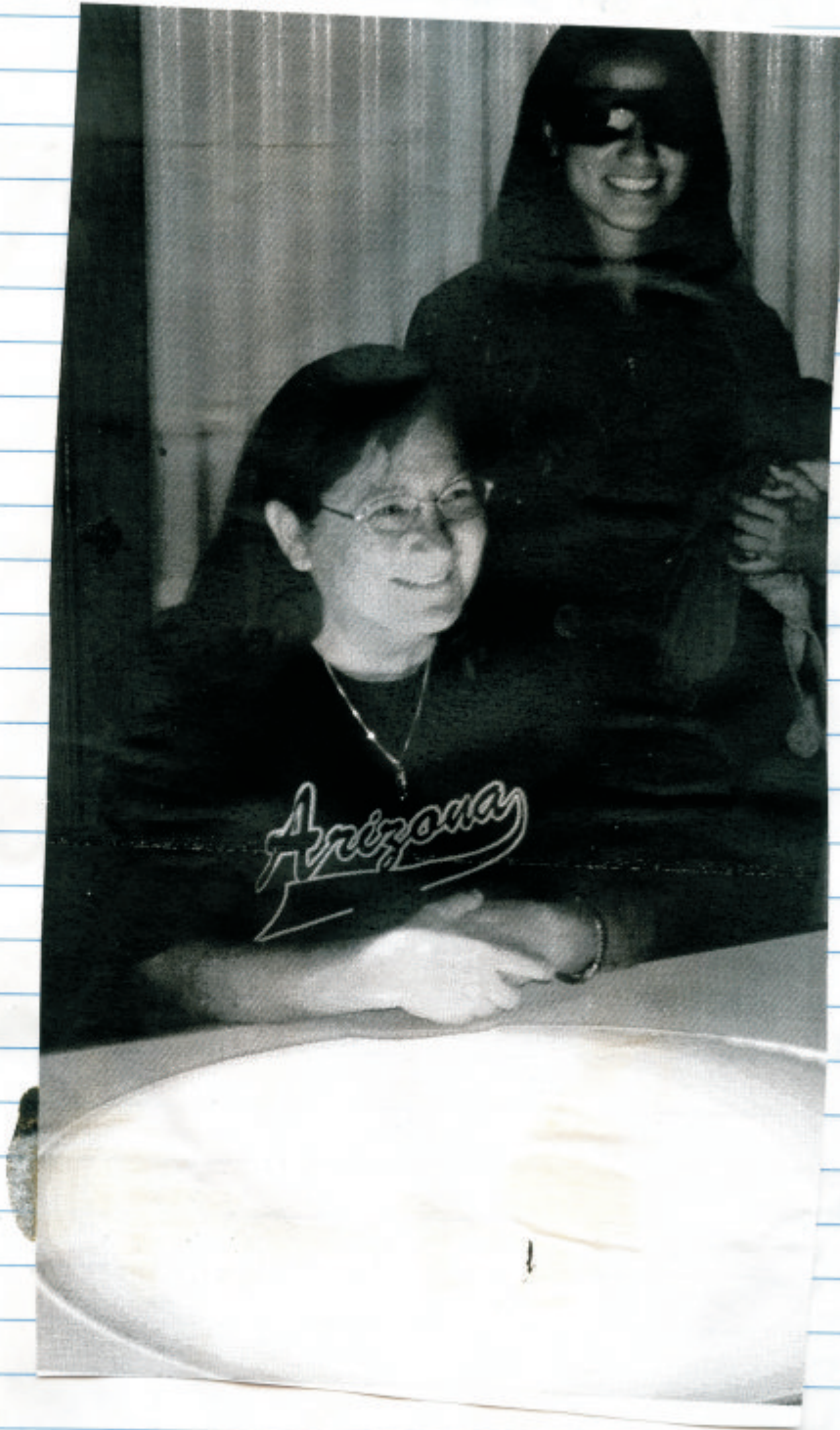
15750ES. Sept. 29. / 1610-1635 / 10/13 Dr.
Lewen Whitehead's home / saw
mntn tops and distant trees through
his perspective lens - telescope
system. Also, got some pictures
of his pictures from the manuscript
of Thomas Harriot's lunar
drawing of July 1609.

This was an extraordinary
experience. At Lewen's I thought
I was being whisked into Shakespeare's
time. It was a wonderful ex-
perience.

15751EP2 1930-1940/10 / Jarnac, general.
Saw Jupiter, Summer Triangle.

The picture to the right shows
the road leading to the Retreat.
The first building visible is the
observatory. This is where I
did some much good observing
during the summers of 1964,
1965, and 1966. Now there's an
observatory there, at least, and
it's where, in 1965, the seed
for the CN3 program was planted.
CN3b.

Wendee at Kitt Peak's Mr. Math Sobay
Telescope, June 2009.



A.A.V.S.O. Star Party, Gemini Observatory
Spring, 2003



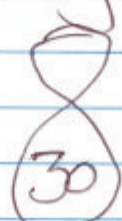
2200 out.
15752E3 2150 to ~~2200~~ / 10-7 / Jarnac
CMP-1. General observing. At
2150 Wandact I went out for a short walk.
~~15753E4~~ 2150-2205 / 10 / Jarnac / before
the earlier one. CMP-1 general
observing. Walked the Beagle.
Beautiful clear evening.

15753EM4 2310-0005 / 7 Jarnac / CMP-1
no meteoric meteors this session
The sky is pretty clear, however, with a
bright slightly gibbous Moon in the
northeast. CN3t. working again
tonight.

15754S September 30, Thursday / 1215-1250 / 10-3
Jarnac / SS2 with Mintaka 1, 10, 1.
Also installation of cables for ~~near~~ CN3 electronic
imaging remotely.

15755S2 1700-1715 / 10-3 / Jarnac / SS2 with
Cordelia now, this time I saw SS2: 1, 8,
and 13 prominences.

15756E3 1900 to midnight int / 10-7m / Jarnac
CN3 Di 2^h E. CMP-1. CN3t.
A nice way to end this volume!



k.

l

10-3,

study

ll
2.

ae

da



June 2010 Partial Eclipse