

THE IMAGES OF THE DAVID LEVY LOGBOOKS are for personal and research use for non-commercial purposes. The image copyright holders are David and Wendee Levy, Jarnac Observatory, while the copyright for all other material is held by the RASC, unless otherwise indicated. Users are allowed to download or print materials from this website for purposes of research, teaching, and private study, without prior permission provided that the materials are properly credited to the copyright holders, David and Wendee Levy, Jarnac Observatory, and the RASC. All other uses such as commercial or scholarly reproduction, redistribution, publication or transmission requires permission from the copyright holders, and fees may be required. Please contact [levylogbooks@rasc.ca](mailto:levylogbooks@rasc.ca) to obtain permission, and fees information.



VOL. II

DAVID HILL

OBSERVATIONS  
DIARY

VOLUME II

DAVID HOWARD LEVY

**Mc Gill**





Royal Astronomical Society of Canada  
Montreal Centre  
LUNAR OBSERVATIONS



Date ... July 10/11, 1965 ..... Observer ... DAVID LEVY .....  
Local Time .00:30-01:15... EDT. Universal Time .04:30-05:15.....  
Telescope .3.5" reflector..... Power .60x.....  
Seeing (0-worst, 10-best)... 5 ..... Transparency (0-worst, 5-best)... 5.....  
Lunar Feature .Copernicus.....  
Co-ordinates .44°15'54" N Lat, 73°28'48" W Long Longitude .~~58°45~~ 58° 40.....  
Remarks: My first lunar drawing . \* 878E 3M







# OBSERVING SESSIONS

DAVID H. LEVY

SESSIONS

BEGINNING ON  
JANUARY 1, 1964

SESSIONS

BEGINNING WITH  
NO.

416-SS-45



## Symbols

Symbol	Interpretation	
A	Aurora	S - Seeing (0-10)
☉	Sun	T - Transparency
☿	Mercury	818 (place - 818 Upper Belmont Ave)
♀	Venus	ASC (Adirondack Science Camp, Lewis, NY)
♁	Earth	RAFSC (observatory, Mt. ...)
☾	Luna	
♂	Mars	
♃	Jupiter	
♄	Saturn	
♅	Uranus	
♆	Neptune	
♇	Pluto	
Echo-	my 3.5 inch reflector (E)	
g.c.	observed general constellations.	
p.	power.	
app.	approximately, about	
*	A special session. (or red ink)	
⊛	A very special session.	
SS -	Sunspot I or Sunspot II	
B -	Binoculars	
rr	refractor-type telescope	Surveyor- 4 1/2" reflector
r/	reflector-type telescope	
Discoverer	my 2.5 inch reflector (D)	Pegasus- My Cave (Astrola)
N.E.	Naked Eye	8" reflector: #
CN	Comet & Nova Search	Alouette - my 6x30 monocular
Ranger	my 7" rr. (R)	with altazimuth mount



## PLAN FOR RECORDING SESSIONS.

Session No. <sup>1</sup>Date / <sup>2</sup>Times / <sup>3</sup>Weather Conditions / <sup>4</sup>Instrument used / <sup>5</sup>People present (besides me) / <sup>6</sup>Observations and Remarks.

An Example (purely hypothetical)

\*3410E

July 4, 1964 / 04:24-06:39 / Very Clear / Echo-60 power / Lyndon B. Johnson, Queen Elizabeth, ~~Re~~ Lester B. Pearson / Pluto, Luna, Saturn - Pluto very faint.

### Notes

- ① 3-Weather conditions - F (favorable) or unf, then (place).
- ② 1-Date - day too.

CN3      December 17, 1965



## Types of Sessions

Symbol	Interpretation (Maximum Times)
S-	Solar Observing (Sunrise to Sunset)
L-	Lunar Observing (Dawn to Dusk)
E-	Evening Observations (Dusk - Midnight)
M-	(Midnight - Dawn) - Morning Session
AN	All Night (Dusk - Dawn)
SS	Sunspot - part of Sunspot I (Sunrise - Sunset)

Times are written on the  
24-hr. system.

F- Favorable - good conditions, generally, for observing.  
Unf- Unfavorable - poor " " " " "  
(Includes: weather, (sky & temp), surroundings,  
Dress, Mosquitoes, etc. / Mentioned  
along with "Weather Conditions".)



# Observing Sessions

DAVID H. LEVY

01 64

January MCMXLIV — 1964

416SS45 1/4 / 13:35-13:40 / Mainly Clear / 2.5" refractor /

Ospots seen.

417SS46 1/6 / 16:20-16:21 / Clear / 2.5" refractor / Ospots

\*418E 1/11 / 22:45-22:55 / Clear / 6" refractor / Members of RASC / Orion Nebula; \*Horsehead Nebula for first time — very faint.

419SS47 1/12 / 16:12-16:13 / Clear / 2.5" refr. / Ospots

420SS48 1/19 / 15:15-15:17 / Partly Cloudy / Echo-60p /

Ospots 15:44-15:44:30

421SS49 1/21 / ~~16:44-16:44:30~~ / Clear / Echo-60p / Ospots

422SS50 1/22 / 16:20-16:20:30 / Clear-Hazy / Echo-60p /

Ospots.

423SS51 1/26 / 15:30-15:31 / Clear / Echo-60p / Ospots.

424SS52 1/27 / 16:20-16:21 / Clear / Echo-60p / 1 spot.

425SS53 1/28 / 08:20-08:23 / Clear / Echo-60p / Ospots

426E 1/28 / 22:30-22:45 / Clear / Echo-60p / M-42

(faint); Luna — saw 2 new craters

for "Luna II".

427SS54 1/29 / 08:20-08:25 / Clear / Echo-60p / 1 spot.

428SS55 1/30 / ~~15:20-15:20~~ 15:35-15:40 / Clear / Echo-60p / Ospots

429E 1/30 / 19:30-19:40 / Clear / Naked Eye / g.c.

~~430SS56~~

FEBRUARY

430SS56 2/2 / 09:20-09:23 / Clear / Echo-60p / Ospots.



- 431E 2/2/19:15-19:25/Clear/Echo-60p/♀, ♀
- 432SS57 2/9/~~#~~ 14:30-14:33/Clear and Cold/  
Echo-60p/Howard Simkov/Ospots.
- 433SS58 2/16/ 12:55-12:57/Clear-favourable/  
Echo-60p/Ospots.
- \*434E 2/16/ 19:22-19:31/Clear-Favorable/Naked  
Eye/Saw ♀, ♀, ♂ in unusual  
configuration.
- \*435E 2/17/ 17:32-17:42/Clear-Unfavorable/  
Naked Eye/Saw ♀, ♀, ♀, ♂ in another  
unusual configuration.
- 436SS59 2/22/ 15:30-15:40/Clear-~~Un~~favorable/  
Echo-60p/Ospots.
- 437E 2/22/ 19:30-19:40/Clear-Favorable/Naked Eye/  
♂, ♀, ♀.
- 438E2 2/22/ 19:55-20:05/Clear-Unfavorable/Naked  
Eye/♂.
- 439E3 2/22/ 23:30-23:35/Mainly Cloudy-Unfavorable/  
Naked Eye/♂.
- 440E4 2/22/ 23:40-23:45/Mainly Cloudy+Unfavorable/  
Naked Eye-Luna(♂).
- 441E 2/23/ 18:10-18:25/Cloudy/-Favorable/  
Echo-60p./Attempt at Occultation  
-cloudy, -failed.
- 442E 2/26/ 17:30-17:35/Clear-Unfavorable/  
Naked Eye/Venus-Jupiter close  
together.



\*443E 2/27/~~19~~ 18:45-19:20 / Clear-Favorable /  
Echo-60p - Venus, Jupiter (very  
close (••)) / Jim Aldous / Also observed  
M-45.

444E 2/29 / 19:35-19:45 / Clear-Favorable /  
~~Echo-6~~ Naked Eye / ~~g.c.~~ Jim Aldous /  
g.c.

445E2 2/29 / 21:40-22:15 / Clear-Favorable /  
bin. refr. (Obs.) / RASC / Echo II (naked eye),  
(~~M-39~~) Gamma Leonis, M-35, Beehive, Luna.

MARCH 11 /

446SS60 3/1 / 13:50-13:55 / Partly Cloudy-Favorable /  
Echo-60p / O spots

447SS61 3/8 / 10:50-10:57 / Hazy but Clear where  
Sun was - favorable / Echo-60p / O spots

448SS62 3/15 / 09:35-09:40 / <sup>Clear at 0</sup> Hazy / Echo-60p / O spots.

\*449E 3/20 / ~~09~~:20:15-21:35 / Clear / Echo-60p /  
Jim Aldous / Timed ~~two~~<sup>one</sup> occultations of  
+ saw another - did Lunar work.

450SS63 3/21 / 08:45-08:50 / Hazy / Echo-60p / O spots.

\*451SS64 3/29 / 09:00-09:10 / Clear / Echo-60p -  
2 1/2 inch reflector / O spots - Tested Officially  
my new 2 1/2 in. " for the first time.

452E. March 31 / ~~07:40-0~~ 19:40-~~20~~ 21:15 / Clear /  
Echo-60p - 2 1/2 in refl. - 2.4 in refr. - Ranger -  
lin refr - B(3 pr.) / John Cohen, Jim Aldous, Howard Simkov,   
Thomas Meyer / Echo I, Uranus, Venus,



Betelgeuse, Mizar + Alcor. - A "star party"  
for the O.A.S. ("Duh" Joke of the month -  
Betelgeuse - Betel-juice - Beatle-juice -  
Ringo Starr.)

## APRIL

- 453E. April 1, 1964 / 19:45-22:00 / Clear - favorable /  
Echo-60p - Discoverer-~~20p~~ - Binocs / Jim  
Aldous / Echo II (into shadow), M-45, M-42,  
Venus, - Attempted and failed at M-51-I  
and M-97-I.
- 454E April 4 / 19:45-19:55 / Clear - favorable /  
Discoverer - 20p + 60p / Venus + M#45.
- 455~~56~~ April 5 / 12:45-12:55 / Discoverer / Clear /  
Ospots.
- 456E April 5 ~~12~~ 20:50-21:25 / Clear -  
Favorable / Echo-60p / test session -  
Attempted M-51 - failed. Mizar +  
Alcor.
- \*457E Fri, 10 / 20:30-22:20 / Clear - Favourable /  
Echo-60p - Binocs / (M-3(B))<sup>?</sup> Regulus, Mizar (E)  
Jim Aldous, Venus, Alcor.
- 458E Saturday - 11 / 20:50-21:50 / Clear - Favourable /  
Binocs / Echo II passage - Disappeared about  
~~21:20~~ 21:21 (or 2) (Ingress to Earth's Shadow)
- \*459~~56~~ Sunday 12 / 13:35-13:45 / Hazy - Favorable /  
Echo-60p / Ospots - Permanent Charting  
Sessions for SSI began today.



- 460E Sunday - 12/19, 30-20:00 / Hazy - Favorable /  
Echo - 60p / Mother / Arcturus, Venus  
(half phase (slightly less))
- 461E Thursday - 16/21:45-22:10 / Very hazy - Favorable /  
Echo - 60p / ~~How~~ Telephone expt - H. Sim / cover  
at other end / Luna. Attempted but failed  
at occultation attempt.
- 462E Friday - 17/20:30-22:20 / Hazy - Favorable /  
Echo - 60p / Arcturus, Luna. Failed at M-3.
- 4635567 Sunday - 19/10:25-10:35 / Clear - Favorable /  
Echo - 60p / 0 spots.
- 464E Sunday - 19/19:40-20:25 / Light Cloud - favorable /  
Echo - 60p / Bobby Cohen / Echo II, Venus,  
♄. - Failed at M-3.
- 465E2 Sunday - 19/20:45-20:55 / Hazy - Light Cloud -  
Unfavorable / ~~E~~ Naked Eye / g.c.
- 466E Saturday - 25/22:20-22:50 / Clear / bin.  
refr / ♄.
- 4675568 Sunday - 26/~~19:30-20:4~~~~21:45~~ 10:30-10:40 /  
Clear / Echo - 60p / 0 spots.
- 468E Sunday - 26/19:30-~~20~~ 21:40 / Clear - Favorable /  
Echo - 60p / ♄, ♀. (err)
- \*469M ~~Xi~~ Wednesday - 29/02:30-03:30 / Clear - Favorable /  
Echo - 60p + B / Cor Caroli, ~~Arac~~ Arcturus, (M-3), ♄.  
Echo - I sat. (B). Compared N.E. brightnesses of  
7 stars of Ursa Major - missed Egress of  
Occultation by (est.) 5-~~10~~ seconds or less.



EDT ~~#~~-1hr. = EST

May

All Sessions on ~~EST~~ EDT

\*470E

Friday - 1 / ~~19:45 - 20:15~~ 19:45 - 21:30 / Clear-Favorable / Echo-60p / Father, Mother, Grandpa, Grandma / Arcturus, Venus, Mizar, Alcor, Regulus. // Jim A / Doug / B / Launched CN-I of Project Comet and Nova Search - defined area. All A-OK!

471E

Saturday - 2 / 22:00 - 22:15 / Clear-Favorable / bin. rr. (Obs.), Gramma Leonis, / B / CN-I.

472SSB

Sunday - 3 / 13:35 - 13:45 / Clear-Favorable / ~~bin. rr~~ / Echo-60p / D spots

\*473#S

Sunday - 3 / ~~14:30 - 14:45~~ 14:30 - 14:45 / Clear-Favorable / 2.4 in. rr (Howard Simkover's) / ~~☉~~, Venus (Spotted by him)

474E

Sunday - 3 / ~~21:00 - 21:15~~ 20:50 - 21:30 / Clear-Favorable / ~~B~~ Echo-60p / Arcturus, ~~Heg~~ Polaris, Mizar, Alcor, Regulus, M-3, Venus - CN-I, -Failed at M-51.

475E

Monday - 4 / 22:15 - 22:20 / Clear-Favorable / Binocs / CN-I.

476E

Tuesday - 5 / 21:30 - 22:30 / Clear-Favorable / B-Echo-60p / Failed at M-51 - CN-I.

477E

Wednesday - 6 / 23:08 - 23:13 / ~~☉~~ Hazy-Favorable / Binocs / CN-I.

478E

Thursday - 7 / 22:11 - 22:17 / Clear-Favorable / Binocs / CN-I.



EDT - 1 hr = EST

- 479E Friday - 8/21:45-22:45 / Clear - F/Echo-60p/B/ Arcturus - Failed at M-51./CN-I.
- 480E ~~Friday~~ Saturday - 9/20:40-20:45 / Mainly Cloudy - F/Binoculars / H. Simkover, Louie Bernstein / Venus
- 481E Monday - 11/22:21-22:26 / Partly Cloudy - Hazy - F/CN-I.
- 482SSD Tuesday - 12/16:20-16:30 / Clear - F/Et Echo-60p / No spots observed.
- 483S Tuesday - 12/20:00-20:05 / Clear - F (Summit) / Naked Eye Sunset.
- 484E Tuesday - 12/22:00-22:05 / Clear - F (Home) / CN-I / Binoculars.
- 485E Thursday - 14/22:09-22:17 / Clear - F (Home) / Binoculars / CN-I.
- 486SSD Sunday - 17/14:28-14:33 / Clear - F (Home) / Echo-60p / 2 spots (first observed in weeks - Luna. (Tested a new "Sunspot Box")
- 487SL Sunday - 17/15:15-15:50 / Partly Cloudy - F (chez Louie Bernstein) / 3 in. rr / O, L. / Louie Bernstein.
- 488E Sunday - 17/21:20:22:35 / Hazy - F (Home) / Echo-60p - B / Launched Aurora I of Project Aurora <sup>Count</sup> obtained first reading. / Louie Bernstein.
- 489SL Monday - 18/19:40-20:00 / Hazy - F (Home) / Echo-60p / O, L.



EDT  $\frac{7}{8}$  hr. = EST.

490E Monday - 18/20:30-21:45 / Partly Cloudy -  
Hazy - F (chez Louie Bernstein) / 3 in. ref /  
Louie Bernstein / Polaris, Venus,  $\epsilon$ , ICN - No Aurora.

491E2 Monday - 18/22:00-22:56-22:01 /  
Partly Cloudy - Hazy - F (chez Louie Bernstein) /  
Naked Eye / Louie Bernstein / Echo I  
passage by Ursa Major <sup>slightly</sup>

492E Tuesday - 19/22:35-22:40 / Hazy - F (home) /  
~~E~~ Binocs / CN-I - No Aurora. (~~IF~~ IF the word  
"Aurora" is <sup>ever</sup> mentioned, that indicates an  
"Aurora-I" reading).

493E Wednesday - 20/22:05-22:11 / Very Clear - F  
(Home) / Binocs / CN-I - No Aurora.

\*494E Friday - 22/21:30-23:00 / Slightly Hazy - F  
(Home) / Binocs <sup>Echo I</sup> / CN-I - Aurora I (None seen);  
Alpha Comae, Arcturus, M-53, Luna.

495E Saturday 23/22:00-22:10 / 20:15-20:25 /  
Hazy - F (Observatory) / 6" ref / Mr. Duchow,  
Louis Bernstein and others / Luna.

496E2 Saturday 23/22:00-22:10 / Hazy - Partly  
Cloudy - F (Observatory) / Binocs / Louie  
Bernstein & others / Echo I (travelled  
alongside & at same speed as a cloud -  
quite interesting.)

497E3 Saturday 23/22:43-22:57 / Hazy - F (In  
park near Home) / Binocs / CN-I - Aurora  
I (No Aurora seen).



EDT  $\frac{1}{2}$  hr. = EST

- 498E Sunday - 24/22:00-22:10 / Cloudy - ~~NE~~<sup>F(Home)</sup> / Aurora I. / Louie Bernstein.
- 499E Monday - 25/21:43-21:47 / ~~Partly~~ Cloudy - ~~unF(Home)~~ / CN-I - Aurora I (Negative).
- 500E Tuesday - 26/22:30-22:31 / ~~Raining~~ - unF(Home) / Aurora I.
- 501E Wednesday - 27/22:00-22:05 / Hazy - Ptlly-Cl~~dy~~ - F(Home) / CN-I - Aurora-I (Negative). / Binoculars.
- 502E Thursday - 28/22:20-22:25 / ~~Quite~~ Clear - F(Home) / CN-I - Aurora I (neg.) / Binocs.
- 503 ~~SS72~~ Friday - 29/07:20-07:25 / Hazy - Partly Cloudy - unF(Home) / Echo - 60p / O spots (!?)
- 504E2 Friday - 29/22:30-22:37 / Very Clear - ~~unF~~ F(Home) / B / CN-I Aurora I (Neg.).
- 505E Saturday - 30/23:00-23:04 / Mainly Cloudy - unF(Home) / Aurora-I.
- 506SSB Sunday - 31/23:12:45-12:55 / Quite Clear + F(Home) / Echo - 60p - B / Gerry / 1 large spot seen.
- 507E2 Sunday - 31/22:00-22:10 / ~~Quite~~ # Slightly Hazy - unF(Home) / ~~Echo~~ 60 B / Lyra (Beta, Gamma, Zeta) - CN-I - Aurora I (Neg).  
Venus.
- 508E ~~Monday~~ - Tuesday - 2/21:40-21:45<sup>50</sup> / Clear - F(Home) / B / Lyra - CN-I - Aurora I (? in W) Venus.
- 509SS74 Sunday - 7/17:30-17:35 / Hazy - F(Home) / Echo - 60p / O spots.



EST ~~A~~ 1 hr. = EDT

- 510E Monday - 8/22: 05-22:10 / Clear - F (Home) / B/CN-I - Aurora I (-) + Lyra.
- 511E Tuesday - 9/22: 00-22:03 / ~~et~~ Very Hazy - Partly Cloudy / Aurora I.
- 512SS75 / ~~Wed~~ Sunday - ~~18/01:00-13:00~~ <sup>10:40-10:43</sup> ~~13:00-13:03~~ / Partly Cloudy - F (Home) / Echo-60p / As pots.
- 513E Thursday - 18/23: 23:55-0:00 / ~~et~~ Cloudy - F (Home) / - Aurora I.
- 514E Friday - 19/23: 23:15-23:20 / Very Hazy - F (Home) / Echo-60p / Binocs / CN-I - Aurora I (-).
- 515E Saturday - 20/23: 23:30-23:35 / Mainly Cloudy - unf (Park near home) / Aurora I (-)
- 516E Sunday - 21/22: 22:00-22:05 / Cloudy - unf (Home) / Aurora - I
- \*517E\* Monday - 22/22: 22:00-22:20 / Clear - F (Home) / Echo-60p - B / Lunar Eclipse Test - CN-I, Aurora I (-).
- 518E Tuesday - 23/23: 23:05-23:10 / ~~Clear~~ <sup>Cloudy</sup> unf - (streets ~~between~~ around home) / Aurora I.
- ~~519SS76 Saturday - 24~~
- \*519E Wednesday - 24/23: 19:45-23:10 / Cloudy - unf (Summit, Park near home) / Lunar Eclipse (Discoverer-40p) / Eclipse Failure - just last few minutes observed between clouds.
- 520SS76 Saturday - 27/14: 14:05-14:10 / Partly Cloudy - F / Echo-60p (Adirondack Sc. Camp)



E ST # + 1 hr. = EDT

(No spots seen)

521E2 6 Saturday - 27 / Clear - F (A.S.C) / B/CW-I  
Aurora I (-). / 21:35 - 21:45 /522SS77 Sunday - 28 / 15:30 - 15:33 / Clear - f(ASC) / Echo  
- 60p / O spots.523E2 ~~Monday - 2~~ Sunday - 29 / Clear - f(ASC)  
Echo - 60p - / 9:15 - 9:45<sup>pm</sup> / Brian Hughes,  
Ken Weiner, Thomas Moffatt / APberio,

JULY Mizar + Alcor, CN-T, Aurora-I (-)

524E ~~Mon~~ Wednesday - 1~~2~~ / ~~21:45 - 22:50~~  
Clear - ~~Echo 60p~~ / Aurora-I (-)525E Thursday - 2 / 22:00 - 22:05 / Cloudy - unF  
(ASC) / Aurora-I.526M ~~Friday - 3~~ / Saturday - 4 / 02:32 - 02:33 /  
Cloudy + Foggy - unF(ASC) / Aurora.527m Saturday - 7 / 03:35 - 03:40 / "Absolutely  
fantastic" - F(ASC) / G.C. Aurora I.528SS78 Sunday - 12 / 14:30 - 14:40 / Hazy - f(ASC) /  
Echo - 60p + Discoverer - 80p / No spots seen. / <sup>4in-80p.</sup> Wiener529SS79 ~~Monday - 13~~ / Tuesday - 14 / Clear - F(ASC)  
Echo - 60p - Discoverer - 80p / K. Wiener -  
No spots seen / 02:30 - 02:35.530E2 Tuesday - 14 / Clear - f(ASC) / 21:45 - 22:30 /  
Thomas Moffatt / Luna - 20 new objects seen.531E Wednesday - 15 / - / 10:30 - 10:45 / Clear - F(A.S.C)  
Ken Wein Wiener / 1 spot seen / 4 inch rr -  
10 inch.



EST + 1 hr = EDT

- \*532E Wednesday - 15/22:15-11:45 / Clear - F(ASC) /  
2.4 in rr + 4-in. refr. - 10" r.l. / Ken Wiener,  
Robert + Shepard, ~~Galileo(?)~~ Martin Shugar,  
Dick Spirak / Lunar Work - 35 new craters -  
M-57 with 4-in. within 60 seconds.
- 533S Thursday - 16/~~23:10:30~~ 9:00-9:15 / Clear -  
F(ASC) / 4 in rr + 10 in r.l. / 2 spots.
- 534E2 ~~Friday~~ Thursday - 16/9:30-11:30<sup>pm</sup> / Clear -  
F(ASC) / M-57, Luna. / 4 in rr - 10" r.l. / R. Shepard,  
K. Wiener
- 535S Friday - 17/ ~~9:30~~ 13:35-13:45 / Clear -  
4 in rr - 10" r.l. / F(ASC) / Ken Wiener, 10 spots
- 536E2 Friday - 17/ 17:00-17:10 / Clear - F(ASC)  
4 in. rr / Ken Wiener / No spots.
- 537E3 Friday - 18/ 22:00-23:15 / Very Clear - F(ASC) /  
4 in. rr - 10 in r.l. / C, M-57, Alberio, Mizar / K.  
Wiener, Bob Shepherd /
- 538S Saturday - 18/~~13:35~~ 13:35-13:50 / Partly Cloudy -  
unf(ASC) - 4 in rr - 10" r.l. / Ken Wiener, Prof.  
Orman / No spots - photography work
- 540  
539S Sunday - 19/~~13:17:50~~ 17:20-17:40 / Partly  
Cloudy - F(ASC) / ~~Ken~~ Kenny Wiener / No spots.
- 539  
540SS80 Sunday - 19/ 13:30-13:40 / ~~clear~~ Partly Cloudy -  
unf(ASC) / 0 spots
- 541E3 Sunday - 19/ 22:10-23:20 / Mainly Clear - F(ASC) /  
4 in rr + 10" r.l. + 3 in. rr + 2.5 in rr / Thomas Moffatt,  
Martin Shugar / C, M-57, #.
- 542S Monday - 20/ 10:45-10:55 / Clear - F(ASC) / 4 in rr -



EST + 1 hr = EDT

. 07 64

10"rr / Ken Wiener / 0 spots.

543E2 Monday - 20 / 22:00-~~23~~:22:15 / Hazy - 10"rr -  
4"rr / F(ASC) / Ken Wiener, Bob Shepard,  
Tom Moffatt / C, ~~Ring Neb.~~ Aurora I (-).

544S Tuesday - 21 / 09:15-09:30 / Clear - f(ASC) -  
Ken Wiener / \$ No spots.

545M Wednesday - 22 / 04:05-04:15 / ~~Clear~~ Partly Cloudy -  
unf(ASC) / 4 in rr 80p / M-31, Failed at M-33.  
Aurora I (-).

546S Wednesday - 22 / 15:25-15:28 / Clear - f  
(ASC) / 4 in rr - 80p / No spots.

547S Thursday - 23 / 15:40-15:45 / Clear, f(ASC) /  
4"rr / Kenny Wiener / 0 spots.

548E2 Fri Thursday - 23 / 10:22:<sup>21:45</sup>~~00~~-22:31:15 / 4"rr -  
80p / Mainly Cloudy - f(ASC) / Ken Helfgot,  
Bob Shephard, Bill Bauman, Andy Bauman,  
Lee Sands, Tom Moffatt, Geoffrey Yokum,  
C. Snyder, Bill Bernstein / Arcturus, <sup>only</sup> <sup>Aurora I (-)</sup> Alberio.

549E Friday - 24 - / 21:35-21:37 / Cloudy - unf(ASC) /  
Aurora I.

550S Saturday - 25 / ~~11:30-11:35~~ / Ve 12:35-  
12:45 / Hazy - ~~4"rr 80p~~ / f(ASC) / 4"rr - 80p  
~~No spots~~ Ken Wiener / no spots.

551E Monday - ~~25~~ 27 / 20:56-20:56:10 / Clear - unf  
(ASC) / - / - / Fireball South, Possibly an  
early Perseid.

552E2 Monday - 27 / 21:30-21:45 / Clear - f(ASC) /

See 554  
EM



EST + 1hr = EDT

Go - Binoculars / CN-I - Aurora - I (-) /

Ken Wiener.

\* 553AN

Tuesday - 28, Wednesday - 29 / 22:00 - 04:55  
Clear, then hazy, then partly cloudy, F  
(A.S.C.) / 10" refl., 4" rr, 80p? Discoverer,  
40p? Echo, 60p, 7x50b, 8x30b and other  
binoculars, one 7x30 / Dick Spivak, Thomas  
Moffatt, Dan Sass, Andy Bauman, Chris  
Snyder, Jay Wood, Martin Shugar, Joe  
Spector, Rob Singer, Phil Miller, Kenny  
Wiener, Robert Shepard, Prof. Oman, /  
Luna, (detail, 01:45 - 02:00, 03:55 - 04:05),  
Saturn (detail, 02:15 - 02:45), M-13, M-57,  
M-92 (first time), Alberio, Mizart Alcor,  
NGC - 663, M-31, Jupiter (detail, 02:50 -  
03:15) (Io, Europa, Ganymede, Callisto  
(but not sure which one was which)) Delta  
Aquarids, (03:15 - 03:55), Echo II, two  
passages, 2nd at 03:30, Venus (first  
spotted 03:53 near horizon, detail (04:05 -  
04:30)). Remarks: Cassini's division  
of Saturn's rings observed (10", 300p),  
possibility viewing of shadow of a moon on  
☽ and GRS? CN-I - 11:15, Aurora I,  
00:56, ~~02:48~~, 02:48, 03:00, 03:30, all negative.  
Picture of ~~the~~ 10" me + l taken at 01:30  
by Prof. Oman. Astrophotography done



EST + 1 hr = EDT

at ~~10:30~~<sup>22:30</sup> by Mr. Oman and Andy  
Bauman - star trails, 23:00, Luna.

\*554EM Note: This should be after session  
550S. Saturday, 25 / 22:00-01:00  
Sunday, 26 / Clear, F(ASC) / 10"rl, 4"rl  
Luna. Luna II was completed.  
Saturn. / Mark Walker, Doug Crover,  
Bob Miller, Dick Spivak. See  
After session 550S.

see  
after  
550S

555SS8 Wednesday - 29 / 14:50-14:54 / Hazy - EUNF  
(A.S.C.) - 14"rr / Ken Wiener / O spots

556E2 Wednesday - ~~30~~<sup>29</sup> / 21:45-21:48 / Partly  
Cloudy - F(ASC) / 8x30 Binocs / CN-I,  
Aurora - I(-)

\*557S Thursday - 30 / ~~14:30-14:20~~ / 13:00-13:25 /  
Mainly Cloudy - F(ASC) / Radio Telescope /  
Bob Shepherd / Sun.

558S2 ~~Friday~~ - Thursday - 30 / 14:~~30~~<sup>20</sup>-14:24 /  
Partly Cloudy - F(ASC) / 4"rr / O spots.

\*559AN Thursday - 30; Friday - 31 / 21:45-04:10 /  
Conditions "Absolutely Fantastic", F(ASC) /  
4"rr, 10"rl, Echo-60p, 7x50B / Martin  
Shugar, Joe Leizer, Tom Moffatt, Brian  
Hughes / Dick Spivak / Delta Aquarid meteor  
shower (13 seen), 2 Fireballs, M-15, G.C.,  
M-31, M-32, M-6, M-2, (M-15 + M-2 - first time),  
M-45, M-57, Hyades, NGC-663, M-27 (charted),



EST + 1 hr. = EDT

M-56 (first time<sup>charted</sup>) - M-~~37~~, 36 (first time<sup>also</sup> charted)

Venus, Jupiter, Saturn. ~~Remain~~ CN-I,

03:20, Aurora-I, 23:45, 00:00, 00:56,

01:15, 01:37, 02:13, 02:30, 03:20, 03:35, 04:00.

All Negative. 1 Venus rose at 3:40 (observed).

Echo II passages at 0:05, 03:10.

560SL Friday - 31 / 09:30 - 09:45 / Clear - F (ASC)!

<sup>see</sup>  
\*562E

Luna, Sun.

~~561E Tuesday~~

August

561E Tuesday - 4 / 22:15 - 22:20 / Clear - F (home)

/ 8x30B / Aurora I (Cloudy).

\*562E2 (see after 560SL) - Friday - 31 July /

22:00 - 23:45 / "Absolutely Fantastic"

(FLASC) / M-33 (new), M-103 (new), M-4 (new)

M-37, M-6, M-7, M8, kt 4"rr, 10"rl /

Thomas Moffatt, Phil Miller.

563E Wednesday - 5 / 23:15 - 23:20 / Cloudy - F (home)

/ Aurora-I.

564SS2 Thursday - 6 / 11:05 - 11:12 / Clear - F (home)

Echo-60p / Ospots.

565EM Thursday - 6 - Friday - 7 / <sup>Very</sup> Hazy - Partly

to Mainly Cloudy / 23:45 - 00:15 /

7x50B, 8x30B / Echo-I, Aurora

I (too cloudy).

\*566AN Friday - 7 Saturday, 8 / 21:00 - 05:30 - on

duty for meteor counting 01:30 - 02:30,



EST + 1 hr = EDT

03:00-04:00; 04:30-05:00 (rest of time on & off for other observations) / Cloudy with clear periods until about 00:30, then mainly clear with cloudy periods + F (Gehez Geoffrey Gaberty (near Weir, Que)) / 8x30 Binoculars / Mr. Good, Kenneth Chalk, David Levy (on east); George Wedge, Klaus Brasch, Jon Finkel (on North); Vic Williams, Geoffrey Gaberty, R. Leblanc (on South); K. Zargo, Karl McNamara, K. Melville (on West); Miss Williamson, W.J. Cullinan (recorders); E. Dack F. Wong (Timekeepers). / Perseids of 1964 - ~~about~~ 127 meteors seen by all (+ seven or eight unrecorded); about 20 seen by me. Official observations started at 4:00 after clouds dissipated.; Echo I, # (11:3 directly overhead); M-37; M-13; NGC-663. Remarks - Spiral shape of M-37 recorded in noticed in binoculars. CN-I at DL-18 (Area 23) <sup>5 (←) 170 m/s Rep 3</sup>

567S August 9, 1964 / 14:30-14:33 / Mainly Cloudy - F (home) / Echo-60p / No spots. Sun difficult to see

568SSB-2] Sunday, August 9 / 17:15-17:25 / Partly Cloudy - F (home) / Echo-60p / Tom Meyer / No spots.

569E3 Sunday - 9 / 22:00-23:40 / Partly Cloudy - hazy - F (home, park near home) / Echo-60p, Discoverer, 7x50B



EST + 1 hr = EDT

8x30B, 2pr. opera glasses / Tom Meyer / Altair, Mizar, Alberio, Deneb, Arcturus, Saturn, Echo II, M-13, M-31, M-32, NGC-869, NGC-884. Three meteors. CN-I at 23:30, Aurora-I (-) at 23:35.

570E Monday, 10/23:00-23:20 / Cloudy - unf (home) / - (Tom Meyer / Aurora I)

571E Tuesday, 11/22:30-23:45 / Very hazy - then Partly Cloudy, then cloudy + f (818) / 8x30 binocs / Tom Meyer, Jon Cohen / Perseids. 6 - Two by Tom, two for John and two by me. Aurora I - cloudy.

\*572EM ~~Tuesday~~, Wednesday, 12 - Thursday, 13 / 22:20 - after 02:15 / Clear with cloudy periods, then cloudy + f (818)

573E. 8x30 binocs / - / Perseids of 1964. 7 seen.

— Observation Periods for meteors: 23:00-24:00:00, 00:15-00:20-01:15. CN. I at 22:53. Echo II. Aurora-I at 22:55 (-), 00:10 (+) (S. E. - Cloudy), 01:15 (Cloudy). M-31 seen - unaided eye with averted vision.

573E (sorry - see after ~~\*572EM~~) (571E) / Wednesday, 12 August / 21:00-21:50 / Clear - f (Observatory of RASC) / 6" refractor / - Robert Ballantine, George Wedge, Mr. Good, Miss Williamson / Luna, M-31

574E Thursday, 13 / 21:00-23:05 / meteor period 22:00-23:00 / Clear, then hazy, f (818) / 8x30 binocs, Echo-60p / - / 21:18 - fireball + ~~M~~ Alberio detail 21:35-21:55 (mapped). Perseids, for one hour. 6 observed - East. Aurora I



E.S.T. + 1 hr. = E.D.T.

at 23:00, (negative), CA-I at 23:04.

See folder on Alberio. See also folder on Fireballs.

57

575E Friday, 14/23:00-23:05/Cloudy-unf (home) / - / Mark Prazoff / Aurora-I.

576E Saturday, 15/23:30-23:32 / Cloudy-f (818) / - / - / Aurora-I

NB: Note: All M-32 sightings reported + thus far are really NGC-205. x

577E Sunday, 16/21:58-22:02 / Cloudy-f (818) / - / - / Aurora-I.

578E Monday, 17/22:20-22:21 / Cloudy-unf (818) / - / - / Aurora-I.

579S ~~Sat~~ Tuesday, 18/14:00-14:50 / Partly Cloudy-f (818) / Echo-60p / - / 7 spot.

580M ~~Tuesday-18~~ Wednesday-19 / 00:20-00:21 / Cloudy-f (818) / - / - / Aurora-I

581S Wednesday-19 / 14:20-15:50 / Partly Cloudy-f (818) / Echo-60p, Discoverer, 40p / Kathleen Forrester / 7 spot (both scopes).

582M ~~Wednesday-19~~ <sup>Thursday 20</sup> / 00:35-00:37 / Partly Cloudy-unf (818) / - / - / Aurora-I.

583E Thursday, 20/22:20-22:22 / Cloudy-unf (818) / - / - / Aurora-I.

N.B. Note: Cancel the note written above.

584S Friday, 21/14:30-14:35 / Partly Cloudy-f (818) / Discoverer-35p Karl Jorgensen / No spots.



EST + 1 hr. = E.D.T.

- 585E Friday, 21 / 20:35-23:15 / Mainly Cloudy (temp. at end 62°F) - F(818) / 7x50 binocs, 8x30 binocs, Discoverer, 30?p / Carl Sörgensen / Saturn, Luna, Vega, Arcturus, Mizar & Alcor, Altair. Aurora I at 20:45(-), 21:00(21:15(-)), 21:30(-), 21:45(cl), 22:00(all cl), 22:15(cl), 22:30(all cl), 22:45(cl), 23:00(cl).
- 586E Saturday, 22 / 23:15-23:20 / Cloudy - unF (818) / - / - / Aurora - I.
- \* 587E Sunday, 23 / ~~00~~: 23:35-23:40 / Mainly Cloudy, F(818) / - / - / Aurora - I (-).
- \* 588M Monday, 24 / 01:45-04:15 / Luna one day past full. Clear - F(818) / Echo - 60p, 80?p - Discoverer, 30?p - 8x30 Binocs / - / Echo II at 02:25, passed just E of Cassiopea. Luna. Beta Lyrae, Gamma Lyrae, Zeta Lyrae - For V. S. I, launched. (03:35-03:45), Venus, Mars, Jupiter. Double Cluster in Perseus, detail (02:20 - 03:18), charted cluster. (See Folder for Double Cluster in Perseus). C. N. I at 04:00, Aurora - I at (1) 02:00(-), (2) 02:15(-), (3) 03:20(?), 03:35 (cloud in suspected area), 03:50(-). Test session for new mount for Echo, also for Discoverer.
- \* 589M2 Monday, 24 / 04:35-05:05 / Clear, F(818) / Discoverer, 30?p / - / Venus, Mars, Jupiter, Luna. M-45.



E, S, T, + 1 hr. = E. D. T.

M-42 - detail. (04:45-04:57). Aurora-I  
at 04:40(-) and 05:00(-). Bright Moon  
was out.

59 OSS 25 Monday, 24/14:25-14:47 / Partly  
Cloudy - F(818) / Echo-60p Jim Aldous /  
No spots. Test Session for Echo.

\*591 AN 2 Monday, 24 - Tuesday, 25 / 20:30-  
05:15 / Clear all night except for  
a cloud or two at 23:30-23:45 -  
gibbous moon - f (Summit from 21:00  
to 22:20; from 818 to Summit, 20:45-21:00;  
Summit to 818, 21:20-22:35; 818, 20:30-  
20:45, 22:35-05:15) / 2.4" refractor, 40p?  
Discoverer, 20?p, Echo, 60p, 7x50 binocs,  
8x30 binocs / Bobby Cohen, Jim Aldous,  
Carl Jorgensen / ~~Saturn~~ Jupiter, Venus,  
Mars, Lunas, Mizar-Alcor, Vega, Deneb,  
Capella, detail. (04:05-04:25) - mapped Capella  
and region. M-45, detail (01:20-03:07) Mapped  
Pleiades. Also, detail (03:25-03:30) - M-42  
(detail, 04:30-04:45); M-13 M-37, M-57,  
M-39, Echo I at 22:05, Echo II at 03:20,  
U.F.O. at 22:15 through great square of  
Pegasus (probably a satellite), and 05:10 - 1.5°  
S.W. of  $\gamma$ .  $\beta$  Beta Lyrae (V.S.I.) at 00:10(2),  
C.N.I. at 22:00. Aurora I. - (1) 21:15(-), (2) 21:30(-),  
(3) 21:45(-), (4) 22:10(-), (5) 22:50(-), (6) 23:00(-), (7) 23:15(-),



EST + 1 hr. = EDT.

⑧ 23:30, ⑨ 23:45, ⑩ ~~23:00~~<sup>00:00</sup>, ⑪ 00:15, ⑫ 01:00,  
⑬ 01:15, ⑭ 01:30, ⑮ 01:45, ⑯ 02:00, ⑰ 02:15,  
⑱ 02:30, ⑲ 03:00, ⑳ 03:15, ㉑ 03:30,  
㉒ 03:45, ㉓ 04:00, ㉔ 04:15, ㉕ 04:30, ㉖ 04:45,  
㉗ 05:00. (All Negative)

592E Tuesday, 25 / 23:55 - ~~00:00~~<sup>23:56</sup> / Cloudy - unf (818) / - / -  
Aurora-I.

593S Wednesday, 26 / 21 3:40 - 24:30 / Partly Cloudy,  
F(818) / Echo - 60p / Bobby Cohen / O spots.

594S2 Wednesday, 26 / ~~26~~ 16:15 - 16:45 / Clear - F(818) /  
Echo - 60p / Carl Jorgensen, Bobby Cohen / O spots.

595E3 Wednesday, 26 / 21:55 - 22:25 / Clear - F(RASC) /  
6" r.r. / Geoffrey Graherty, Florence Wong, Carl  
Jorgensen<sup>Sim Aldous</sup> / Saturn, g.c. Aurora-I (-)

596E4 Wednesday, 26 / ~~22~~ 23:35 - 23:45 / Clear - F  
(818) / 8x30 binoculars / - / CN-I, Aurora I (-)<sup>V.S.I. (3)</sup>

597S Thursday, 27 / 18:35 - 18:43 / Clear, F(818) /  
Echo - 60p / Gerry / O spots.

\*598EM2 Thursday, 27 - Friday, 28 / 20:25 - 03:15 /  
Clear, seeing 3 or 4, Transparency 4 - 4.5, F  
(20:25 - 20:30, 818; 20:30 - 20:50, <sup>on way to</sup> Summit; 20:50 -  
22:20, Summit, 22:20 - 23:35, to 818; 23:35 -  
03:15, 818.) / Echo, 60p, Discoverer, est. 30p,  
1.5" refractor, 30p / Sammy Morgulis, Carl  
Jorgensen, Clipper / Saturn, Jupiter. M-31,  
M-13, M-37 (d - 01:05 - 01:20) M-39 (detail,  
01:50 - 02:07). Echo I, 20:31, 2° SW of Altair.



E. S. T. + 7 hr = E. D. T.

Luna, Lunar Occultation at 01:38:30  
CN-I at 03:00, V.S.I at 03:02, Aurora  
I at: ① 20:45 ② 21:00 ③ 21:15  
④ 21:30 ⑤ 22:00 ⑥ 22:15 ⑦ 23:00  
⑧ 00:00 ⑨ 00:15 ⑩ 00:30 ⑪ 00:45  
⑫ 01:00 ⑬ 01:15 ⑭ 01:30 ⑮ 01:45  
⑯ 02:00 ⑰ 02:15 ⑱ 02:30 ⑲ 02:45  
⑳ 03:00 (All Negative).

599M Friday, 28/03:50-03:57 / Clear-F (818-  
~~through a~~ window) / - / - / Echo-I near Orion

600E3 Friday, 28/08 20:25-23:00 / Clear-F (Sum-  
mit and 818) / Echo, 60p - Discoverer, 30? p /  
Mark Prazo / Echo II, Saturn, Failed (at MF-15).  
CN-I at 23:00, V.S.I. at 22:20.

Aurora - I at 21:00, 21:15; (both negative).  
22:00(-), 22:15(-), 23:00(-).

601E Saturday - 29 / 21:45-22:30 / ~~Clear~~ Slightly  
hazy - F (RASC) - 8x30B / David Zakon, Miss  
Williamson, Jon Cohen, Mr. Duchow, Jim A Idous /  
V.S.I (2) CN-I, Aurora-I (-).

602ER Saturday - 29 / ~~21:45~~ 23:45-00:45 / Clear-F (818) /  
Echo - 60p / David Zakon, Jon Cohen /  
3, M-37.

60355865 Sunday - 30 / 18:25-18:35 / Clear-F (818) /  
Echo - 60p / Sammy Morgulis / O spots.

\*604E4 Sunday - 30 / 21:35-23:15 / Clear-F (818) /  
Echo - 60p, Tx 50B / - / M-29 (detail, 22:55-



EST + 1 hr = EDT

23:07-map, CN-I at 23:10 (428<sup>23</sup>~~377~~)  
Aurora-I at 23:09 (-), V.S.I at 23:13 (1.5).

805S Monday, 31/14:45-14:50/Partly Cloudy  
F(818) | ~~E~~ Ranger-5p/Jim Aldous/  
Ospots.

(606E2 Monday, 31/20:35-20:45/Mainly  
Cloudy, F(818) | Echo-60p, Discoverer, 80p |  
Jim Aldous | ~~is~~ Aurora-I reading

\*607E3 Monday, 31/23:00-23:55/Partly  
Cloudy - (chez Dave Zackon) | 8" reflector,  
250p | David Zackon |  $\gamma$ ,  $\eta$ , Aurora-I  
at 23:45. Cassini's Division seen. <sup>8 1/2" l. lent to me</sup> For a few months before

\*608E4 Monday, 31 - Tuesday, Sept. 1/00:30-05:00  
Mainly clear, F(818) | 8" reflector, 7x50 binocs  
<sup>Clipper present</sup>  
Jupiter, Saturn, Venus, Mars, Pleiades, M-37, 32,  
Double Cluster in Perseus, M-42, @ CN-I at  
04:00, V.S.I at ~~05~~ 04:05 (7). Aurora-I  
readings (all negative) ~~02:40~~ 02:40, 03:10, 03:45  
05:00. M-38 seen (first time) in binocs, M-43 with 8" <sub>(best time)</sub>

September ~~1st~~ Tuesday

609S2 Tuesday, 1/12:00-12:15/Partly Cloudy, F(818) |  
8" r/l, Bobby Cohen | Ospots.

610E3 Tuesday, 1/20:15-20:45/Cloudy, F(818) |  
8" r/l - | Aurora-I <sub>21:30</sub>

611E4 ~~Wednesday~~ Tuesday, 1/23:00-23:05/Clear,  
F(818) | CN-I, Aurora-I (-), V.S.I (2).

6125 Wednesday, 2/16:20-16:25/Clear, F(818) |



EST + 1 hr = EDT

8" reflector / Carl Jorgensen / 7 spot.

\* 613E2 Wednesday, 2 / 20:45-23:30 / Quite Clear, F(RASC) / 6" refractor, 120 power, 4" refractor, 60 power / Saturn drawing (detail, 20:45-21:01) + M-71 (first time) detail (23:00-23:20), CN-I at 23:15, V.S.I at 23:20 (3), V.S.II launched and first reading taken @ 22:45-23:00 / 22:55 f. Aurora-I at 21:15, 22:30, 23:15.

614M Thursday, 3 / ~~20~~:04:25-04:35 / Clear-unf (window) - (818) / - / - / g.c.

615E2 Thursday, 3 / 20:55-22:30 / Partly to Mainly Cloudy, then cloudy / T=1 - F(818) / 8" r.l., 7x50 b / Bobby Cohen / Vega, Mizar, M-57. V.S.I - 4.5 (28:10), V.S.II 21:20 (4.5). Aurora-I at 22:15 (-).

616E Friday, 4 / 21:30-21:40 / Cloudy + unf (818) / - / - / Aurora-I.

617S Saturday, 5 / 15:30-15:40 / Partly Cloudy - F (818) / 8" reflector / Sammy Morgulis / O spots.

\* 618M Sunday, 6 / 00:30-01:25 / Partly Cloudy - S = ~~20 or 30~~; t = 4 or 4.5 + F (818) / 8" reflector / Gerry / Saturn, Jupiter; detail (00:45-01:14) Map made (Jupiter II), CN-I at 01:00 (23,428). Aurora-I (-) at 01:07, V.S.I - 01:04 - (1), V.S.II at 01:05 (1).



E. S. T. + 1 hr. = E. D. T.

\*619EM Sunday-6; Monday-7/22:15-00:40/  
Slightly hazy, then clear  $s=1$ ,  $t=3$ ,  
then 4; F(818) / 8" reflector, B. Echo  
7x50 binocs / Louie Bernstein /  $\eta$ ,  $\xi$ , M-37,  
M-52 (First time) (detail-10 minutes),  
M-30.  $\xi$  (detail-00:00-00:25) + map  
made of  $\xi$ . C.N. I at 00:30 (1.3, 4.28).  
V.S. I at 23:44 (1.5). V.S. II at 23:43 (2).  
Aurora-I at 00:34 (-).

\*620EM Monday, 7-Tuesday, 8/20:15-01:05/  
clear,  $s=2$ ,  $t=3$ , F(818) / 8" reflector,  
3.5" reflector 7x50 binoculars / Carl  
Sorgensen, Jim Aldous, Huey Blakely, Neil  
Cte Hand, Clipper / Saturn, Jupiter, (detail,  
charting - (00:40-00:50). Vega, M-81+82  
(first time) - (detail 00:20-00:37).  
CN-I (23, 4.28) - 00:55) - Aurora-I (00:54 ~~1.5~~),  
V.S. I (2.8) V.S. II (3).

621E Tuesday, 8/23:23-23:24 / Cloudy + <sup>slight drizzle</sup> foggy  
unf(818) / - / Gerry 10

622SS87 Wednesday, 9/03:15:30-15:45 / Clear-F(818) /  
8" reflector / C. Sorgensen / O spots.

623E2 Wednesday, 9/20:45-21:20 / Clear-f(RASC) /  
6" refractor / Drawing of Saturn (Saturn-III).

624E3 Wednesday, 9/22:50-23:20 / Slightly hazy,  
F(818) / 8" reflector / Saturn, (Test Session).  
CN-I, Aurora-I. ~~V.S. I (2), E to A~~



E.S.T. + 2 hr. = E.D.T.

- 625E Thursday, 10/22: 15-22:45 / ~~Clear~~ Very hazy, F(818) / 8" reflector / - / Saturn.
- \*626E Friday, 11/20: 15-22:15 / Clear, F(St. Ignatious Park) / - / R.A.S.C. group / Constellation I had just been launched. "Constellation Study Night".
- 627E ~~M~~ <sup>M</sup> ~~Sat~~ Friday, 11, - Saturday, 12 / 23:35-01:15 / ~~Very~~ Clear, F(818) ~~7~~ / 8" reflector / Sammy Morgulis / ~~Sat~~ Saturn (detail 23:55-00:08-00:17), Jupiter (detail, 00:21-00:41-01:03), CNI at 01:09 (23,428); V.S. I (2); V.S. II, (4), Aurora - I (-). Very good session - excellent weather except for transparency at end of Jupiter drawing.
- Note: 3 timings for details: 1st two for observing then charting period.
- 628E Saturday, ~~12~~ / 20:30-20:50 / Clear-F(RASC) / 6" refractor, 120p / Kenny Wiener, Kenneth Chalk, Mr. De Kinder, etc. / Saturn
- 629E ~~2~~ Saturday, ~~12~~ / 22:30-22:40 / <sup>Quite to very</sup> Clear-F(RASC) / - / Louie Bernstein, Carl Jorgensen, Robert Ballantyne / Aurora - I (-).
- 630 <sup>E3m</sup> ~~E3m~~ Saturday, ~~12~~ Sunday, ~~13~~ / 23:45-00:18 / <sup>Quite to very</sup> Clear - s=4, t=4, F(RASC) / 6" refractor, 120p / Saturn (detail, 23:52-00:00-00:16) "Saturn - V".
- 637M2 Sunday, ~~13~~ / 01:35-01:45 / <sup>Quite to very</sup> Clear-F(818) / 7x50 binocs / - / CN-I (-23,428), Aurora - I (-), V.S. I (2), V.S. II (4.5), Pleiades.



EST + 1 hr = EDT

- 632SS88E Sunday, 13 / 11:40-11:50 / Quite Clear - F(818) / 8" reflector / Glipper / 1 spot
- \*633E3 Sunday, 13 / 20:35-22:45 / Clear - F(818) / 8" reflector - / some people / M-10 (new - detail - 21:00-21:10), CN-I (23, 427), Aurora - I (-), V.S.I (1) vs. II (5).
- 634E Monday - 14 / 20:10-21:20 / Clear - F(818) / 8" reflector / Policeman, Howard Wittenberg / Timed occultation of 70B Sagittarii, Saturn, CN-I (23, ~~428~~) Aurora - I (-) V.S.I (2) vs. II (2). <sup>then partly cloudy</sup>
- 635E Tuesday, 15 / 21:50-22:00 / Clear, - F(818) / ~~8" reflector~~ 7x50 binoculars / Murray Barron / CN-I (23, 428), Aurora - I (-), V.S.I (3.5) V.S.II (2).
- 636E Wednesday 16 / 21:30-21:45 / Mainly Cloudy - F(818) / 8" reflector, 7x50 binoculars / - / Luna, Aurora - I.
- 637E Thursday - 17 / 23:22-23:30 / Very hazy - F(818) / 7x50 binocs / CN-I (23, 428), V.S.I (3.5) - V.S.II (2.5), Aurora - I (-)
- \*638E Friday - 18 / 20:50-22:30 / Slightly hazy, f(818) / 8" / Louie Bernstein / Jupiter, Saturn, M-10, M-12 (First time) (d-27:21:30-21:40). ~~CN I, Aurora - I, V.S.I, V.S.II.~~
- 639E2 Friday - 18 / 23:05-23:10 / ~~Clear~~ Slightly



EST + 1 hr = EDT

hazy - f(818) / 8" reflector - 7x50b /  
- / CN-I, Aurora-I, V.S.I, V.S.II.

640E3M Friday - 18<sup>19</sup> / 23:20 - 00:15 / Clear - f(818) /  
8" r1 - est. 17.5p / - / Jupiter ~~map~~ map  
and Saturn Map.

641EM Saturday, 19 / 23:20:00<sup>23:45-01:00</sup> 30 / Clear, 8F(818)  
8" r1, 7x50B / Saturn, Map of ? CN-I(-)  
Aurora-I(-). ~~V.S.I, V.S.II~~ / <sup>Mr. + Mrs. Kirschberg -</sup>  
<sub>Dad + Mom.</sub>

642SS89 Sunday, 20 / 21:30:55 - 11:30 / Clear - f(818) / 8"  
r1 / - / 0 spots.

643E Sunday, 20 / 21:30 - 22:30 / ~~Very~~ hazy - f  
(818) / 8" r1, 7x50B / Bobby Cohen / Saturn.

644E2 Sunday, 20 / 22:54 - 22:58 / Clear - f(Upper  
Belmont) / 2.4" rr / B. Cohen / ?

645E Monday, 21 / 22:30 - 22:32 / Cloudy - f(818) /  
- / - / Aurora-I.

646E ~~At~~ Tuesday, 22 / 20:30 - 21:15 / ~~At~~ H - Slightly  
hazy - f(818) / 8" r1 - 7x50b / Saturn map.  
CN-I, Aurora-I, ~~V.S.II~~ V.S.I+II.

\*647E Friday, 25 / 20:30 - 21:30 / Clear, f(818) /  
8" reflector, 7x50binocs, Echo, 60p / Steve  
Simon / M-31, M-14(new). + CN-I,  
Aurora-I(-). V.S.I+II.

648E Sunday, 27 / 23:35 - 23:40 / Clear, very windy, f(818) /  
7x50binocs / - / CN-I, V.S.I+II, Aurora-I.

649E Monday, 28 / 20:43 - 20:48 / Clear, f(818) / 7x50binocs /  
CN-I, Aurora-I, V.S.I, V.S.II.



## EST + 1 hr = EDT

- 650E Tuesday, 29 / 23:12 - 23:16 / Clear - F(818) /  
7x50 binocs / - / CN-I, Aurora-I, V.S.I  
+ II
- 651E Wednesday, 30 / 23:14 - 23:22 / Clear - F(818) /  
OCTOBER 7x50 binoculars / - / CN-I, Aurora-I, V.S.I + II.
- 652E Fr Thursday, 1 / 22:09 - 22:13 / Clear - F(818) /  
7x50 B / - / CN-I, V.S.I + II, Aurora-I
- 653E Friday, 2 / 23:40 - 23:41 / Cloudy - F(818) /  
- / - / Aurora-I.
- 654EM Saturday, 3; Sunday, 4 / 23:20 - 00:20 / Clear (mainly),  
F(818) / 8" reflector, 7x50 binocs / M-45, Map of  $\zeta$   
(23:40 - 00:00 - 00:10) / CN-I, V.S.I + II, Aurora-I.  
Satellite.
- 655SS90-2 Sunday - 4 / 13:00 - 13:05 / Clear - F(818) / 8" r / Mrs. Bronfman /  
Ospots.
- 656E3 Sunday - 4 / 21:20 - 21:21 / Cloudy - unF(818) / - / - / Aurora-I.
- 657E Monday - 5 / 23:21 - 23:22 / Cloudy - unF(818) / - / - / Aurora-I.
- 658E Tuesday - 6 / 22:20 - 22:21 / Cloudy - unF(818) / - / - / Aurora-I.
- 659E ~~Tuesday~~ Wednesday, 7 / 21:00 - 22:30 / Clear - F(RASC)  
4" Townsend Refractor / M-15 mapped;  $\zeta$ . / Other members:
- 660 ~~659E~~ 2 Wednesday, 7 / 22:45 - 22:50 / Clear - F(RASC)  
7x50 binocs / CN-I, Aurora-I, V.S.I + II
- 661E3 Wednesday - 7 / 23:58 - 23:59 / Clear - F(818) /  
- / - / Aurora-I
- 662SS91 Thursday - 8 / 22:50 - ~~23:01~~ 01:00 / Clear - F(818) /  
8" reflector / - / 2 spots!!!
- 663E2 Thursday - 8 / 22:00 - 22:50 / Clear - F(818) /



EST + 1 hour = E. D. T.

- 66 8" reflector - 8x30 Binocs / Carl Jorgensen, Bob Cohen / 2, 3, 4, M-45, M-15 (detail - 22:25-22:30-22:38) + CN-I, Aurora-I, V.S.I and V.S. II.
- 664M Friday - 9/05:35-06:00 / Clear - F(818) / 7x50 binoculars / - / M-45 42, Venus, g.c., Aurora-I.
- 665E2 Friday - 9/23:20-23:21 / Cloudy - unfl (NEW YORK (FOREST HILLS)) + - / PETER KAHN, CHUCK KAPLAN / Aurora-I.
- 666E Saturday, 10/23: ~~58~~<sup>53</sup> 23:59 / Clear Partly Cloudy - F(~~818~~) Forest Hills - NY / 8x30 binocs / - / Aurora-I, M-31.
- 667M ~~Sunday~~ Monday - 12/00:41-00:42 / Clear - unfl (Forest Hills) / - / - / Aurora-I.
- \*668E Monday - 12/00:19:20-19:30 / Clear then cloudy - F (Airplane probably near Plattsburg) / - / lot of J - / g.c.
- \*669E Wednesday - 14/19:00-22:45 / Clear - Cloudy - Clear - F (Westmount Park) / 8" reflector / Heinz Steiner, General public / C, 2, M-15, Annual Star Night, R.A.S.C. - Montreal Centre.
- 670E2 Wednesday - 14/23:13-23:17 / Clear - F(818) / 8x30 binocs / CN-I, Aurora-I, V.S. I+II.
- 671E Friday - 15/21:45-23:38 / Quite Clear / F(818) / 8" reflector - 8x30 binocs / Bob Cohen, Carl Jorgensen / 3, (map - 23:00-23:10), CN-I, Aurora-I, VS I+II.



EST + 1 hr = EDT

672E Saturday, 17 / 23:40-23:41 / Cloudy-unF(818) /  
- / - / Aurora-I.

673E<sup>92</sup> Sunday, 18 / 14:20-14:23 / Clear-f(818) /  
- / - / 8 inch reflector - 60p / 3 spots.

674E<sup>2</sup> Sunday-18 / ~~15:12~~ 19:50-20:30 / Clear + Slightly  
hazy + partly cloudy, F(818) / 8" reflector + 8x30  
Bobby Cohen / Successful Timing of  
occultation of 30 Psc. 2.4" ref

675E<sup>2</sup> Sunday, 18 / ~~22:00~~<sub>21:50</sub> - 22:20 / Clear Slightly  
hazy - F(818) / 8" refl. / - / Successful  
Timing of occ. 33 Psc.

676E Friday, ~~23~~ / 19:40 - 21:45 / Cloudy +  
cold - F (St. Ignatius Pk.) / 8x30 binocs /  
Miss Williamson, Carl Jorgensen, Louie  
Bernstein, Thomas Meyer, Steve Simon,  
ES.T Sammy Margolis / Meteor (Orionids) Attempt.

677E ~~Sat~~ Sunday, 25 / ~~20:20~~ 21:20 - 22:45 /  
Slightly hazy - F(818) / 8" reflector; 8x30  
binoculars / 1 policeman / CN-I, Aurora-I, VST+II.  
JUPITER - DETAIL (see redrawing of No. IX). Luna.  
M-45, M-31+32.

678E Monday, 26 / 22:45-22:49 / Clear - F(818) /  
8x30 binocs / CN-I, Aurora-I, VST.

679E Tue. Wednesday, 28 / 22:05-22:06 / Cloudy-unF(818) /  
- / - / Aurora-I

680E Thurs, 29 / 23:15-23:15:40 / ~~Cloudy~~<sup>Snowing + Raining</sup> - unF(818) / - / - / Aurora-I.

681E Friday - 30 / 22:10-22:35 / Very Clear - F(818) /



## E. S. T.

8" reflector, F/8; 8x30 binocs/Kenny  
Wiener, Carl Jorgensen, Bobby Cohen/  
Jupiter, M-31, M-45, NGCs 865-884,  
Hyades.

- 682E2 ~~Saturday~~ Friday - 30/23:10-23:45/ Very  
Clear - F(818) / 8" reflector F/7; 8x30  
binocs / Carl Jorgensen / Jupiter (detail),  
23:20-23:30 + M-42. Red  
Spot seen on 3.
- \*683E Saturday - 31/20:35-20:50/ Very Clear -  
F(RASC) / 6" refractor / other members/  
Jupiter. Last V S. II reading
- 684E2 ~~Sunday~~ - \* Saturday - 31/22:21:30 -  
21:40/ Very Clear - F(RASC) / 6" refr. /  
other members / Jupiter.
- \*685E3 Saturday - 31/22:50-23:30/E Very Clear -  
F(818) / 8" reflector / Bobby Cohen /
- NOVEMBER "Jupiter XII" - Shadow timing - Failure.
- \*686E2 Sunday - Nov. 1 / 14:30-14:45/ Cloudy -  
UnF(818) - 1-1 Start of Sunspot II.
- 687E2 Sunday - 1/19:50:21:25/ Clear F(818) / 8" r1 -  
8x30 binocs / 2 policemen / Map of F 3. (detail)  
20:33 - Fireball, V. S. I - CN-I, Aurora-I.
- 688E3 Sunday - 1/23:19-23:21/ Clear - F(818) /  
- 1-1 Aurora - I (-)
- 689E2 Monday - 2/08:10-08:14/ Clear - F(818) /  
Ranger 1-1 Os pots.



EST.

- ~~690SS3] Wednesday, 4/21. 08:00-08:20~~
- ~~690E Thursday, 3]~~
- 690E Saturday, 7/19:30-19:40 / Clear-f (818) / 8x30 binocs / - / Launching of V.S. III.
- 691E2 Saturday, 7/19:40-19:20:30-20:50 / Clear-f (RASC) / 8x30 binocs / Delta Cephei, CN-I, Aurora-I, V.S. I, ~~II~~.
- 692SS3] Sunday, 8/13:00-12:40-12:50 / Clear-f (818) / E60-R / - / 0 spots
- 693E Monday, 9/23:00-23:01 / Cloudy-unf (818) / - / - / Aurora-I
- 694E Tuesday, 10/22:50-23:22:55 / Cloudy-unf (818) / - / - / Aurora-I.
- 695SS4 Saturday, 14/22:12:00-12:05 / Quite Clear-f (818) / Echo-60p / - / 0 spots.
- 696E Saturday, 14/23:49-23:50 / Clear (Quite) f (818) / ~~E~~. 8x30B / - / CN-I, Aurora-I
- 697E Sunday, 15/20:36-20:30 / Pa Mainly Cloudy-unf (818) / 8x30 binocs / Aida Hayes / Aurora-I.
- 698E Tuesday, 16/22:50-22:51 / Cloudy-unf (818) / - / - / Aurora-I.
- 699E Wednesday, 18/23:15-23:16 / Very Patchy-unf (818) / - / - / Aurora-I.
- 700E Sunday, 22/22:45-50 / Clear-f (818) / 8x30b / - / CN I, VS III, Aurora-I.



- 701SS5] Tuesday - 24/08: 00-08:05 / Clear-f (818) /  
Ranger 1-10 spots.
- 702E2 Tuesday - 24 / 22:40-22:41 / Cloudy - unf(818) /  
- 1-1 Aurora-I.
- 703E Wednesday, 25 / 22:30-22:34:30 / Drizzle -  
unf(818) / 1-1-1 Aurora-I  
see after session 216
- 706SS6] Satr Friday, 26 / 08:03:08:05 / Clear-f(818) /  
Ranger 1-10 spots.
- 707SS7] Saturday, 28 / 13:35-13:38 / Clear-f(818) /  
Ranger 1-10 spots.
- 708E Sunday, 29 / 22:30-23:00-23:04 / Clear-f  
(818) / 8x30B / - / CN-I, Aurora-I, VSIII.
- 709E Monday, 30 / 22:40-22:41 / Cloudy-f(818) / 8x30B /  
DECEMBER] - / Aurora-I, 1-1
- 710E Tuesday, 1 / 22:30-22:35 / Clear-f(818) /  
- / Aurora-I, CN-I, - VSIII. 18x30 binocs
- 711E Wednesday, 2 / 19:00-19:05 / Clear-f(818) /  
- / CN-I, Aurora-I, VSIII
- #712E Thursday - 3 / 22:40-22:41 / Cloudy - unf(818) /  
- 1-1 Aurora-I, !!!
- #713E Saturday 23:50-23:51 / Cloudy - unf(818) / - 1-1  
Aurora-I.
- 714SS8] Sat Monday, 7 / 10:20-10:25 / Slightly Hazy-f(818) /  
Ranger 1-10 spots.
- 715E Wednesday, 9 / 23:00-23:01 / Cloudy - unf  
(818) / - 1-1 Aurora-I
- 716E Thursday - 10 / 22:50-22:53 / Hazy-f(818) /



see after 703 8x 30 binocs / - / CN-I, Aurora-I, V.S. III

~~77E~~ 704 M Sat. December 12 / 00:25-00:26 / Raining-unf  
(818) / - / - / Aurora-I

705E Saturday, 12 / 23:28-23:29 / Cloudy-unf  
<sup>see after 716E</sup>  
~~717~~ (818) - / - / Aurora-I

~~706E~~ Tuesday, 15 / 18:45-18:55 / Clear-f-very  
cold (818) / 8x 30 binocs & / CN-I, Aurora-I

~~47718~~ VSI, III

~~707E~~ Wednesday, 16 / 18:45-18:50-18:51 /  
Clear-f (very cold) (818) / ~~8x 30~~ - / - /  
Aurora-I

<sup>no</sup> ~~708E~~ 719 Thursday, 17 / 21:55-21:50-21:51 / Light  
Cloud-f (818) / - / - / (Aurora-I)

<sup>720</sup> ~~709EM~~ Friday, 18 / 19:15-00:45 / Clear, then  
haze, then light cloud, then haze, then  
clear-f (818) / 8"rl, Echo-6Op., 3"rl, 3"rl.  
(yes, two of them) 3" refr., 2.4"rr - 7:50 binocs  
and 8x 30 binocs / Thomas Meyer, Bobby Cohen,  
Carl Jorgensen, Louie Bernstein, John Cohen,  
Steve Simon, Sammy Morgulis, Jim Aldous,  
Kenny Wiener, <sup>michel Kutz</sup> Total Lunar Eclipse  
Observations (see folder) - basically  
successful. Much fun. CN-I - V.S. III -  
Aurora-I

721  
~~710E~~ Monday, 21 / ~~18:50-18:54~~ / 18:55-18:58 /  
Extreme haze - f (818) / 8x 30 binocs / - /  
Aur. I - CN-I - VSI + III



- 722E Tuesday, 22/22:57-22:58/Cloudy-unf(818)/  
-1-Aurora-I
- 723E Wednesday, 23/23:58-23:59/Cloudy -  
unf(818)/-1-Aurora-I
- 724E Thursday, 24/23:50-23:54/Clear-f(818)/  
8.30b/-1 CN-I, Aurora-I, VSTL
- 725E Friday, 25/22:34-22:35/Quite Foggy -  
unf(818)/-1-Aurora-I
- 726M ~~Saturday, 26~~ Sunday, 27/00:25-00:26/  
Cloudy-unf(818)/-1-Aurora-I
- 727E Sunday, 27/22:40-22:41/Cloudy (for a  
change?!)-unf(818)/-1-Aurora-I (and  
what reading?!)
- 728E ~~Monday, 28~~ Tuesday, 29/00:02-00:03/  
Partly cloudy - clouds moving quite  
quickly + f(818)/-1-Aurora-I
- 729E ~~52~~ Tuesday, 29/14:03-14:15/Clear/yeah,  
yeah, yeah, (F)-f-(818)/Echo, Ranger/-1/spot,  
(yeah, yeah, YEAH!)
- 730E3 Tuesday, 29/22:07-22:08/Cloudy-unf(818)/  
f/Aurora-I/Clipper.
- 70731E Wed, 30/00:07 23:59-00:00/Fog-unf(818)/  
-1-Aurora-I
- 732E Thursday 31/21:00-21:40/Clear-f(818)/8" r/  
8.30b/ Sammy Morgulis/4, M-45, M-42,  
Last V.S. I reading not obtained tonight  
(too low) but VSI now is over, Last reading 12/21/64.  
CN-I, Aurora-I.



316 sessions in 1964



\* Sessions are henceforth  
to be represented in red ink.

MCMXLV

1965

01 65

JANUARY

733M Friday, 1/01:40-01:50 / Clear-f (818) / 8" r / 8.30 b /  
- / Aurora-I. (putting away of instruments  
already out).

734M2 Friday, 1/02:21-02:22 / Clear-f (818) / - / - /  
see 156 Aurora-I.

735E3 Friday, 1/22:00-23:30 / Clear-f (818) /  
8" r / - 8.30 b / Carl Jorgensen, Bruce Aikman /  
Jupiter, M-42, M-79 (new) (mapped).

736E4 Friday, 1/23:59-00:00 / Clear-f (818) / - / - / Aurora-I.

737E Sat, 2/23:50-23:51 / Cloudy (light) - unf (818) / - / - / Aurora-I.

738E Sun, 3/22:45-22:46 / Cloudy (light) - unf (818) /  
- / - / Aurora-I.

739E Mon, 4/22:50-22:54 / Clear-f (818) / 8.30 b /  
- / Aurora-I, CN-I, V.S. III.

740E Tue, 5/18:46-18:47 / Cloudy unf (818) / 8.30 b / - / - /  
Aurora-I.

741E Wed, 6/22:30-22:32 / Cloud Clear-f (818) / 8.30 b /  
- / CN-I, VS-III, & Aurora-I.

742E Thu, 7/22:35-22:36 / Cloudy - unf (818) / - / - /  
Aurora-I.

743E Fri, 8/23:00-22:58-22:59 / Cloudy - unf (818) / - / - / Aurora-I.

744E Sat, 9/23:23:15-23:45 / Clear-f (818) / 8.30  
\* Star session 8" r / Gerry / CN-I, V.S. III, Aurora-I. # M-42  
M-78 seen but confirmation by RASC records necessary



- ~~745E~~ Sat, 9/20: ~~22:45-22:50~~ / ~~22:20-22:00~~-  
22:05 / Clear - f(RASC) / 6" fr / others /  
Jupiter.
- 746E2 Sat, 9/22: 25-22:30 / Clear - f(818) / 6" rr /  
see 744 others / gen. const. obs.
- 747E Sun, -10 / 19:00-19:01 / Partly Cloudy + f(818) /  
- / - / Aurora - I.
- 748E Mon, 11/19: 18:35-18:36 / Cloudy - unf(818) / - / - / Aurora - I.
- 749E Tue, 12/19: 18:55-18:58 / Part. Cl - f(818) - / - /  
CN-I, V S III, Aurora - I (Reading 250)
- 750E Wed, 13/19: ~~19:00-19:01~~ <sup>18:45-18:46</sup> / ~~Cloud~~ Snowing -  
unf(818) / - / - / Aurora - I.
- 751E Thursday, 14/23: 25-23:27 / Clear - f - (818) /  
8:30 binoculars / - / CN-I, Aurora - I,  
V. S. III.
- 752E Friday, 15/23: 50-23:51 / Hazy - mainly  
cloudy - f(818) / 8:30 b / - / Aurora - I -  
halo around moon noticed.
- 753E Saturday, 16/22: 07-22:15 / Slightly  
hazy - extremely cold - f(RASC) / 6" rr /  
Miss Williamson, George Waage, Carl  
Jorgensen, & others / general viewing (I  
didn't get a chance to look through scope).
- 754E2 Sun, Sat, 16/23: 53-23:55 / Slightly  
see 753E hazy - extremely cold - f(818) / 8:30 b / - /  
CN-I, V S III, Aurora - I.
- 755E2 Sunday, 17/19: 00-20:00 / Mainly Cloudy - f(818) /



8. 30 binocs + 8" r/l / - / 2 (Attempt  
at char drawing failed (clouds) + Luna.

— Aurora-I

756~~SS~~ (see after 734) Fri. 1 Jan/65/13:30-13:40/

Clear-f (818) - 8" r/l / - / 3 spots. (See after 734) <sup>before 735</sup>

757~~SS~~ (see after 754) - Sun. 17 Jan/65/14:00-14:05/

Clear-f (818) / 3.5" (Echo) - 60p / - / 0 spots.

(see after 754) ~~and before 735~~ (and before 755)

758~~B~~ Sunday, 17/22:55-22:56 / Light Cloud - unf

(818) / - / - / Aurora-I.

759~~E~~ Monday, 18/19:05-19:10 / 18:50-18:52 / ~~Cloud~~

Clear-f (818) - 8.30 binocs / VS III, CN-I,

Aurora-I.

760~~E~~ Tuesday, 19/18:40-18:41 / Cloudy - warmer -

unf (818) / - / - / Aurora-I.

761~~E~~ Wed. 20/22:53-22:54 / Cloudy - unf (818) / -

- / Aurora-I.

~~762~~E~~~~ ~~Friday 19/2~~ Thursday, 21/22:23:50-23:53/

Clear-f (818) / 8.30 binocs / - / CN-I,

Aurora-I, VS III, Luna.

763~~E~~ Friday, 22/23:38-23:39 / Very hazy - F(818)

/ - / - / Aurora-I

764~~E~~ Saturday, 23/23:12-23:13 / Cloudy -

unf (818) / - / - / Aurora-I

765~~E~~ Sun. 24/23:29-23:30 / Cloudy - unf (818) / -

- / Aurora-I.

766~~E~~ Mon. 25/24:21:28) ~~Hazy~~ - (818) /



8:30 binocs / - / CN-I, Aurora-I,  
VSIH.

767E January 26, Tues / 19:14-19:15 / Blizzard -  
quite unfr (818) / - / - / Aurora-I.

768E Wed, 27 / ~~20:14~~ 18:45-18:50 / 18:58-  
19:00 / ~~Clear~~ <sup>Partly Cloudy</sup> (818) / - 8:30 binoculars /  
CN-I, Aurora I - ~~VSIH~~.

769E Thu. 28 / 23:15-23:16 / Et Q. site clear, F(818) /  
- / - / Aurora-I. (No other readings  
obtained)

770E Fri 29 / 23:16-23:17 / Cloudy - very cold  
(-10°F) unfr (818) / - / - / Aurora-I.

771S Sat. 30 / 12:17-12:20 / Clear - f (818) /  
Echo-60p / - / 1 Sunspot seen (one.)

772E2 / ~~Sun~~ Sat. 30 / ~~23~~ 21:00-21:07 /  
Clear - f (RASC) / 6" rt / Miss William-  
son, Alca Carl Jorgensen others / -.

773B Sat. 30 / ~~21:30~~ 23:30-22:50-  
22:51 / Clear - f (818) / - / - / Aurora-I.

774E Sun 31 / ~~22:50~~ 20:35-20:45 /  
Clear - f - (818) / 8:30 b / - / Echo I  
passage - disappearance at in shadow -

FEBRUARY CN-I, Aurora-I, VSIH.

775E Mon. 1 / 18:55-18:56 / 18:58-18:59 / Snowing  
- unfr (818) / - / - / Aurora-I.

776E Tue. 2 / 23:42-23:43 / Clear - f (818) / - / - / Aurora-I.  
No other readings obtained due to lateness of hour.



- 777E Wed. 3/18. 55-18.56/☉ Light Snow -  
unf (818)/-/-/Aurora-I
- 778E Thu. 4/18. 522.40-22.40/21.55-21.58/  
Clear-☉ (818)/8.30b/-/Aurora I, CN-I,  
V S III
- 779E Fri. 5/23. 23.15-23.16/Snow-unf (818)/  
-/Sammy Margulis/Aurora-I.
- 780M Sat. 6/23 Sun. 7/00.45-00.46/  
Cloudy-unf (818)/-/-/Aurora-I.
- 781E Sat. Sun. 7/23. 05:23:06/☉ Raining -  
unf (818)/-/-/Aurora-I (very light drizzle)
- 782E Mon. 8/18. 45-18:46/☉ Cloudy-unf (818)/-/-/  
Aurora-I.
- 783E Tue. 9/18. 47-18:50/Very Clear-☉ (818)/8.30/  
-/CN-I, V. S. III, Aurora-I.
- 784E Wed. 10/18. 07-18:08/☉ Cloudy<sup>unf</sup> (818)/-/-/Aurora-I.
- 785E Thurs. 11/18. 21:53-21:54/Slightly  
hazy ☉-f (818)/-/-/Aurora-I (no other  
readings - lack of time.)
- 786E Fri. 12/20. 10-20:11/☉ Cloudy - very slight  
drizzle -f (RASC)/-/-/Aurora-I.
- 787E Sat. 13/22. 04-22:06/☉ Clear - ☉ (RASC)/  
-/Questar (A. Kapper) - 8:30b/-/A. Kapper,  
Bob Cohen + others/Aurora-I, C-N-I, Mars.
- 788S Sat. 13/14. 03-14:10/☉ Clear-☉ (818)/8"r/-60p/-/  
spots.



- 7895 Sun, 14/ 14:00-14:20/Clear-F(818)/ 8" r 1,60x  
- / 2 spots.
- 790E2 Sun, 14/ 19:00-20:00/Clear-F(818)  
8.30b - 8" r 1 / B. Hollamby / Luna 4,  
CN-I, VSI, ~~Aurora I~~
- 791E3 ~~Sun, 14/ 21:00-21:01~~ <sup>Sun, 15/</sup> 21:00-21:01/Hazy-β(818)/  
- / - / Aurora-I.
- 792E5 ~~Tues, 16/ 14:12:40-12:45~~ <sup>Mon, 15/</sup> 14:12:40-12:45 / ~~β~~ <sup>Very</sup> Hazy  
- β(818) / Ranger / - / O spots.
- 793E2 Mon, 15 / ~~23:00-22:30~~ 22:30-22:35 /  
Clear Cloudy - (moon visible) - wrb(818) /  
- / - / Aurora-I.
- 794E Tuesday - 16 / ~~2~~ 18:50-18:55 / Clear -  
β(818) / - 8.30b / CN-I, <sup>Orion Nebula</sup> Aurora-I, V.S. III.
- 795E Wed, 17 / 18:45-18:50 / Clear - β(818) /  
8.30b / CN-I, Aurora-I, V.S. III, Orion  
Nebula, Pleiades.
- 796E Thurs, 18 / ~~21:50-21:55~~ <sup>22:00</sup> 21:50-21:55 / Clear - β(818) /  
8.30b / (Aurora-I, CN-I, V.S. III).
- 797E Friday 19 / 22:35-22:55 / Getting hazy -  
β(818) / 8" r 1 / Lon Cohen, Tom Meyer, Desmond  
Clancey, Tony Ferguson, Tim Ferguson,  
Sammy Morgulis, Martin Sugar, Karl  
Mac Namara, Hugo Barroca, Michael  
Kabay, Bruce Aikman / Mars.
- 798E2 Friday, 19 / ~~23:31-23:32~~ 23:31-23:32 / Very hazy,  
β(818) / - / - / Aurora-I.



- 79B February 20 / 213:00-13:05 / Clear - f(818) /  
Echo - 60p / - / 0 spots.
- 800E2 Sat. 20 / ~~23:05-23:06~~ <sup>23:00-23:01</sup> Et Mainly Cloudy - unfr  
(RASC) / ~~Echo~~ - / Carl Gorgensen / Aurora - I.
- 801E Sun. 21 / ~~19:00-19:01~~ ~~18:45-18:46~~ 18:30-18:31 / Cloudy  
Cloudy - unfr - (818) / - / - / Aurora - I.
- 802E Monday, 22 / 18:50-18:55 / Clear - f(818) / 8:30  
binocs / - / CN-I, Aurora - I, V.S. III.
- 803E Wednesday 21B<sup>24</sup> / ~~19:30-19:31~~ / Cloudy -  
unfr (818) / - / - / Aurora - I!
- 804S Saturday, 27 / 09:35-10:05 / Clear - f(818) (through  
an open window) / Ranger - 8" reflector - 60p (image  
projected on ceiling [est. 1/2 yard wide image]) / 5 Joyce /  
March  
None  
0 spots
- 805S Sat. 13 / ~~12:15-12:14:15~~ 14:15-14:20 / Ranger / Clear - f  
(818) / - / 0 spots.
- 806E2 Sat. 13 / ~~14:16-14:23:00~~ ~~23:00-23:01~~ 22:53-22:54  
54 / Partly Cloudy - f(818) / - / - / Aurora - I.
- 807E ~~Sunday~~ #4 Tuesday, 16 / 20:45-20:50 / Clear -  
f(818) / 8:30b / - / Aurora - I, CN-I, V.S. III
- 808E Wednesday, 17 / ~~19~~ 21:20-21:21 /  
Clear - f(818) / - / - / Aurora - I
- 809E Fri. 19 / ~~22:20-22:23:30~~ 23:30-23:31 / Clear -  
f(818) / - / - / Aurora - I.
- 810E Wed. 24 / 20:30-21:15 / Clear - f(818) / 8" r II  
- / Alaro, Jupiter, CN-I, Aurora - I. [RASC]
- 811E Thurs Sat. ~~25~~ 27 / ~~23:00-23:05~~ <sup>22:20-22:23</sup> / Hazy - f(818) /



- April - 18:30b / CN-I, Aurora-I,  
 812S 15:15-15:25 / Sat. 3, 1965 / Clear-f (818) /  
 - ~~ft~~ Echo-60p / - / O spots.
- 813E2 Sat. 3 / 21:25-21:30 — / Clear-f (RASC) /  
 - 18:30B / CN-I, Aurora-I.
- 814E3 Sat 3 / 22: 21:3-21:40-21:45 / Clear -  
 f (RASC) / 6"rr / - / Mars.
- 815E Sun. 4 / 20:30-21:10 / Clear Zeite  
 Clear-f (818) / 8:30b - 8"r / - /  
 Mars, CN-I, Aurora-I, Sweeping  
 + Scanning.
- 816E A Tues. 6 / 20:55-20:58 / Hazy - f (818) /  
 8:30b / - / Aurora-I, CN-I.
- 817E Saturday, 10 / 21:50-21:59 / Clear-f (RASC) /  
 8:30b / - 6"rr / Louie Bernstein, Tom Meyer,  
 Mr. Charles Good + others / CN-I, Aurora-I, Luna.
- 818E2 Sat. 10 / 22:55-23:08 / Clear-f (818) / 8:30b / - /  
 Echo I.
- 819E Wednesday, 14 / 21:20-21:45 / Clear-f  
 Partly Cloudy - f (RASC) / 8:30b / Carl  
 Gorgensen and others / Echo-I + 2t.
- 820E ~~Thursday~~ <sup>Wednesday</sup> 15 / 4 / 22:40-23:15 / Clear - Partly  
 Cloudy - f (818) / 8:30 binocs, 8"r / Gerry /  
 Failed at M-51. Mars.
- 821E Friday, 16 / 23:08-23:09 / Cloudy - unf (818) /  
 - / - / Aurora-I.
- 822E Sunday, 18 / 22:30-23:45 / Clear-f (818) / 8:30b -



8" refl. -60 and 100? p1 - / Aurora-I, CN-I  
 Cor Caroli, M-51 (1<sup>st</sup> time), M-63 (1<sup>st</sup> time), M-94 (1<sup>st</sup> time)

- 823S Monday, 19 / 11:15-11:25 / Clear - f (Louie Bernstein) / 3" rr / Louie Bernstein - Osports.
- 824E Thursday, 22 / 9:21:50-21:45-21:48 / Hazy - f (818) / -18:30 b / Aurora-I.
- 825E Saturday, 24 / 11:05<sup>PM</sup>-11:06<sup>PM</sup> / Clear - f (St. Joseph's Oratory) / -1- / Aurora-I  
 - Eastern Daylight Time -
- 826ES Sunday, 25 / 16:45-16:47 / Clear - f (818) / Ranger / -1 Osports.
- 827E2 Sunday, 25 / 7:21:35-21:40 / Slightly hazy - f (818) / 8:30 binocs / -1- CN-I, Aurora-I.
- 828E ~~Mon~~ Tuesday, 27 / 21:56-21:57 / Mainly Cloudy - f wmf (818) / -1- / Aurora-I.
- 829E Wednesday, 28 / ~~21:56~~ 21:29-21:35 / Clear - f (818) / 8:30 b / -1- CN-I, Aurora-I. Unusual objects - see catalogue. (Unexplained Object file).
- 830E Thursday, 29 / ~~21:29~~ 22:33-22:35 / Partly Cloudy - f (818) / -8:30 b / -1- / Aurora-I.
- 831E Friday, 30 / 23:35-23:15-23:20 / Clear Quite Clear - f (818) / Echo-I; Aurora-I; CN-I.
- MAY  
 832S Saturday, 31 / 13:30-13:35 / Clear - f (818) / Ranger / -1 Osports.
- 833E2 Sunday, 2 / Saturday, 1 / 23:25-23:26 / Cloudy - wmf (818) / -1- / Aurora-I.  
 see next page



2007

- 834S Sunday - 2/5 17:00-17:18 / Clear - f(818) /  
8 Ranger, Echo-60p / - / As pots.
- 835E2 Sunday, 2/22:40-22:45 / Hazy, f(818) -  
Partly Cloudy / 8.30 b / - / Aurora - I,  
CN-I.
- 836E Tuesday, 4/21:30-~~22:30~~ 21:35 <sup>quite</sup> / Clear - f(818) /  
8.30 b / - / Aurora - I, CN-I.
- 837E Wednesday <sup>5</sup> / 22:35-22:40 / Clear - f(818) / 8.30  
binocs / Clipper / CN-I, Aurora - I
- 838E Thursday, 6 / 22:30-22:34 / ~~Clear~~  
Very hazy - f(818) / 8.30 b / - / Aurora - I,  
CN-I.
- 839E Friday, 7 / 22:07-22:10 / ~~Clear~~ - f  
Hazy - f(818) / 8.30 b / (CN-I, Aurora - I).
- 840E Sat. 8 / ~~22:00~~ 21:55-21:56 / ~~Clear~~ Very  
hazy - unf (RASC) / 8.30 b / Wally  
Pacholka / Aurora - I
- 841S Sunday - 9 / 12:00-12:30 / ~~Partly Cloudy~~ -  
f(818) / 8" reflector, 60p / - / As pots.
- 842E2 Sunday, 9 / 23:17-23:18 / Cloudy <sup>unf</sup> f(818) / - / - /  
Aurora - I.
- 843E<sup>7</sup> ~~Mon~~ Tuesday, 11 / 22:05-22:10 / Clear - f(818) /  
8.30 b / - / CN-I, Aurora - I.
- 844E Wednesday, 12 / 22:50-22:51 / Drizzle (very fine) -  
unf(818) / - / - / Aurora - I.
- 845E Thursday 13 / 21:55-22:00 / Clear - f(818) /



EDT

1 05 65

- 8-30b/CN-I, Aurora-I.
- 846E Friday, 14/~~22:00-22:50~~ / 22:00-22:50 /  
Clear-f(818) / 8" reflector; 3.5" reflector (Echo) /  
Jonathan Cohen, Debbie McFarlane, Diana  
Rudolph, Carl Jorgensen, Bobby Cohen, Jonathan  
Lewis, Wally Pacholka, Carl & Gelber,  
Richard, / Mars, Mizar, Moon, Epsilon Lyrae.
- 847S Sat. 15 / 17:00-17:45 / Clear-f Partly Cloudy  
-f(818) / 8" rd / 2 keys / about 7 in 2 groups.
- 848E2 Sat. 15 / 22:15-22:16 / Cloudy-unf(818) /  
- / - / Aurora-I
- 849S Sunday, 16 / 22:14:20-14:30 / Partly Cloudy -f  
(818) / 8" rd / - / 12 spots in 2 groups.
- 850E Monday, 17 / 21:20-21:21 / Light drizzle-unf  
(818) / - / - / Aurora-I
- 851S → Saturday, 22 / ~~19:50-19:55~~ - ~~19:45-19:45~~ - 18:45-18:50 /  
Clear-f(818) / Echo-60p / 8 spots
- 852E2 Saturday, 22 / ~~22:45~~ <sup>22:40-22:45</sup> - ~~22:45~~ / Very Clear -  
Quite Clear (in between) + f(818) / - 8-30b / - /  
CN-I, Aurora-I.
- 853S Sunday, 23 / 11:50-11:55-12:10 / Clear-f(818) /  
8" rd / Bob Cohen / 5 spots.
- 854E2 Sunday, 23 / 21:35<sub>40</sub>-21:55 / Clear-f(818) / -  
8-30b / - / CN-I, Aurora-I.
- 855E Monday, 24 / 21:55-22:00 / Clear-f(818) /  
8-30b / - / CN-I, Aurora-I
- 856E Tues. 25 / ~~22:27~~ - 22:28 / Very H; Mostly Cldy -f(818) / - / - / Aurora-I,



EDT

06 65

857E Wed. 26<sup>b</sup> / 23:15-23:16 / Clear - f(818) / - / - /

Aurora-I.

858E Thurs. 27 / 22:30-22:31 / Clear - f(818) / - / - /

Aurora-I. 30

859E~~S~~ Sunday, 28 / 10:25-10:20 / Clear - f(818) / Echo - 60p / - / Ospots

860E Monday - Wednesday / June 2 / Clear - f(818) / 22:08-22:05 / ~~8~~ 8:30b / - / Aurora-I, C-N-I.

861E Saturday, 5 / 08:45-08:55 / Clear - f(818) / Echo - 60p / - / 3 spots

862E Wed Tuesday 6 / ~~22:40-22:41~~ / 22:30-22:31 / ~~Clear~~ <sup>Slightly</sup> (818) / - / - / Aurora-I.

863E Thursday 10 / 22 15:10-15:18 / Clear - f(818) / 8" r / - / Ospots.

864E Friday, ~~Fr~~ Friday 25 / ~~22:00-23:00~~ 22:45-22:55 / Clear - f(818) / ~~gen~~ 8" reflector / ~~Gen~~ <sup>Carl Jorgensen</sup> (general observations).

865E~~865E~~ Saturday, 26 / 22:00-22:20 / Clear - f(A.S.C.) / Echo 60p - 8:30b / Tom Moffatt, Ken Wiener, ~~and others~~ / Gene Pulver / general observations.

866E Sunday, ~~Jul~~ June 27. 122:00-22:10 / Clear - f(A.S.C.) / Echo - 60p / and other instruments - 8:30 binocs / Ken Wiener, ~~others~~ / general observations.

JULY

867E Monday, 5 / 76 15:45-15:55 / ~~Clear~~ Mainly Cloudy - w/f (A.S.C.) / Echo - 60p / K. Wiener - Ospots.


868E2 Monday, 5B / ~~22:00~~ 21:50-21:51 / ~~Clear~~ <sup>Buzz</sup> w/f (A.S.C.)



EDT

-|-| Aurora - I.

869S Tuesday, 6/14: 50-14:55 / Clear - f (ASC) / Echo-60p /  
 → Kenny Wiener and Chris Schneider / 3 spots.

870E2M W Tuesday, 6 July, 1965 + 7 July / 22:30 - 01:20 / Mainly  
 Clear, - f (A.S.C.) / 8:30b, Echo-60p / Kenny Wiener /  
 22:45 - Aurora (negative); 23:00 - CN-I (Area 23); 23:12 Aurora  
 (negative); 23:45 - CN-I (377); 23:50 - ~~Aurora~~ (negative);  
 00:20 - CN-I (Area 428); 00:28 - Aurora (neg.) + 2;  
 (00:27 - Echo II report - 00:32 - 00:41 (same field as Saturn));  
 00:42; 00:55 - sporadic meteors; 01:20 (Aurora - neg.),  
 Saturn looks like this (  ) through Echo. Rings are  
 very 'thin'.

87153 Tuesday, 6 / 17:30 - 17:32 / Clear - f (ASC) / Glasses (Labatt's) /  
 Ken Wiener / 0 spots.

872S Wednesday, 7 / 09:55 - 10:00 / Clear - f (ASC) / Echo-60p /  
 K. Wiener, and others / 3 spots.

~~873S~~  
~~874S~~ Thursday, 8 / 12:30 - 12:35 / Clear partly cloudy - f (A.S.C.) /

\* 874AW Echo-60 power / Kenny Wiener / 6 spots.

\* ~~875AW~~ Thursday, 8 - Friday, 9 / Mainly clear, then extremely  
 clear - f (A.S.C.) / Kenny Wiener. Steve Parks, Bill Gilbert,  
 Dave Hutton / Echo-60p - 8:30b / Mars, Saturn, ~~Alberio~~,  
has been seen before

Times:  
 22:30  
 - 03:45

M-26  
 yes new  
 sightings

New Messiers: M's 28 (drawing), 21, 23, 26 (drawing), 16. Old  
Echo-60p 8:30b 8:30b Echo 8:30b 8:30b

Messiers: M's 13, 11, 31, 32. Double Cluster in Perseus. New

Constellations: Pictor Australis, Corona Australis.

Satellites: - 00:29 one power seen through binocs, going through  
 CN area # 23; 01:43 - Echo-II, CN-I, 23:25 (377) 00:20  
 (area 23); 00:45 (Area 428), Juma.



EDT

Aurora readings at 23: 37 00: 15, 00: 30, 01: 00,  
02: 45, 03: 05, 03: 30. Remarks. The sky after  
moonset (about 01: 00 on) was fantastic. M-31 was  
easily visible without optical aid.

8759 Saturday, 10/13: 30-13: 435 / Clear-f (ASC) / 8" naked  
eye / K. Wiener / 0 spots

AN } 876E Saturday, 10/21: 15-22: 00 / Clear-f (Plattsburgh  
State Observatory) / 8" reflector; 8: 30 b / Mr.  
Meyers, others / general observations.

877E2 Sunday Saturday, 10/22: 30-23: 00 / Clear-f  
(on the way from Plattsburgh to ASC) / - / others /  
general observations / Aurora - I.

~~878E3M Saturday, 10; Sunday, 11/23: 30-04: 05 / Clear-f (ASC)~~

878E3M Saturday, 10; Sunday, 11/23: 30-04: 05 / Clear-f  
(ASC) / Echo-60p - 4 8: 30 binocs / ~~Kenneth Wiener~~  
and others Luna (drawings of Copernicus and  
Plato + Echo II(?) = M-31, M-32, M-57 (drawing)

8

~~M-5 Saturn~~ CN-I, Aurora - I,

Project Luna reopened. See frontpiece.

~~8787992~~ Sunday, 11/12: 15-12: 20 / Clear-f (ASC) / Echo-60p /  
K. Wiener - 4 spots.

88053 Sunday 11/12: 45-12: 50 / Clear-f (ASC) / Echo-60p  
K. Wiener / 4 spots.

881E4M Sunday, 11; Monday, 12/12: 22: 30-23: 01: 35 / Clear-  
f (ASC) / K. Wiener / Echo-60p - 8: 30 b / study  
of CN-I areas 23, 428. Aurora-I readings - Moon.

88252 Monday, 12/2: 14: 50-14: 55 / Clear-f (ASC) / Naked eye



EDT

and Echo - 6 Op / K. Wiener / O spots (Naked Eye);  
O spots (Echo).

883E3 Tuesday, 13/22:30-23:15 / Mainly Cloudy - wmf (88) /  
(ASC) / 8.30b - Echo - 6Op - other bins / E Steve  
Askel / EN-I, Aurora - I, Luna, Arcturus.

884E5 W Thursday, 15 / 15:00-15:10 / Partly Cloudy - f (ASC) /  
Echo - 6Op + glasses / K. Wiener, A. Bauman,  
for Ralph Knoph, David Larach / O spots -  
naked eye - cloudy for sunspot - telescope.

885E2 Thursday, 15 / 15:50-16:00 / Clear - f (ASC) / Echo -  
6Op / - / O spots.

\* 886E3E Thursday, 16 / 21:30-~~23~~00:00 / Clear - f (State  
University College, Plattsburgh) / 8" reflector, 4 1/4 "  
reflector, 1 gas Zwart. / Ralph Knoph, Ken Wiener,  
David Larach, Mr. Glenn Muser, others / drawing of  
♂, M-31, 32, 13 (individual stars seen), 57. First  
personal use of 8" reflector belonging to College.

887 M-13 was remarkable. Luna seen also.

887M Friday, 16 / 02:00-02:45 / Clear - f (A.S.C.) / Exc. 8.30b - E60 /  
- / Lunar Map / CN-I, Aurora - I.

888E2 Sa Friday, 16 / 11:45-11:55 / Clear - f (A.S.C.) / Echo - 6Op /  
Andy Bauman / O spots - naked eye + Echo.

889E3 Friday, 17 / 22:00-22:02 / Cloudy + wmf (A.S.C.)  
1- / Andy Bauman / Aurora - I.

890E Sunday, 18 / ~~00:00-00:01~~ 11:55-11:55 23:55-23:56 /  
to Mainly Cloudy - wmf (ASC) / - / - / Aurora - I.

891S Monday, 19 / 2 10:15-10:20 - / Clear - f (A.S.C.) /



EOT

Echo-60p / - / O spots.

89252 F Monday, 19/17:50 ~~16:30~~ ~~16:3~~ 16:00-16:30 /  
Clear - f (A.S.C.) / Echo-60p / 2.4" / Professor  
Howard, Creme Pulver / O spots.

893E3] Monday, 19 / 22:10-22:11 / Clear - f (clouds)  
Mainly cloudy - wmf (A.S.C.) / 8.30b / - / Aurora-  
I.

894M Tuesday, 20 / 05:25-05:50 / Partly cloudy -  
fast moving clouds - f (ASC) / Echo-60p / T. Mo'Fatt /  
attempt at a lunar sketch - failed.

89552 Tuesday, 20 / 11:30-11:4 ~~11:15-11:30~~ / Partly Cloudy  
- f (A.S.C.) / Echo-60p / Geoffrey Yokum / O spots.

896E3 Tuesday, 20 / 20:10-20:15 / Mainly Cloudy -  
f (A.S.C.) / - / others / Rainbow (regular and  
dim inverted image).

897E4 Tuesday, 20 / 21:55-23:25 / Clear, then partly  
cloudy, then cloudy - f (A.S.C.) / Echo-60p /  
8.30b / Steve Ashe, Andy Bauman / M-13,  
Mizar and Alcor, general constellation  
observations. Attempts at Messier finding  
and Area drawing (M-13) failed due to clouds. ~~Clear~~

898L Wednesday, 21 / 06:35-07:40 / Clear - f (A.S.C.) / Echo-  
60p / - / Drawing of straight wall region, cloudy

89992] Wednesday, 21 / 11:55-11:50-11:55 / Clear - f (A.S.C.) /  
Echo-60p / A. Bauman / O spots.

\* 900E3M Wednesday, 21 - Thursday, 22 / 22:15-00:10 / Clear -  
f (Planetarium - College roof at Plattsburgh) / 8"



reflector, Zuestar, 4 1/4" reflector / Mr. Myer, Mr. Ken Wiener, Ralph Knapf, David Tarach, Andy Bauman, Steve <sup>Groddon, Soladger</sup> Parks / New Messengers: 9, 97, 108, 109 + also M-13, NGC 869, 884. ~~103, 104~~

AN { 901M2 Thursday 22/01:45-04:05 / Clear - f (A.S.C.) / Echo-60 power / Kenny Wiener / CN-I, Aurora-I, M-13, M-57; Lunar Sketch (Copernicus), Echo-II at 02:50.

902E3 F, Thursday 22/23:20-23:02 / Cloudy - w/f (8 A.S.C.) / -1-1 Aurora-I

903E Friday, 23/23:45-23:46 / Cloudy - w/f (A.S.C.) -1-1 Aurora-I.

904E Saturday, 24/23:05-23:06 / Cloudy - Mainly Cloudy - w/f (A.S.C.) / -1-1 Aurora-I.

905S Sunday, 25/23:04:45-14:51 + 14:35-14:50 / Clear - f (A.S.C.) / Echo-60p / Alan Kornblatt / Osprey. Failed to find Venus.

906EM Sunday, 25 - Monday, 26 / Clear - f (A. Very Clear, then "absolutely fantastic" - f (A.S.C.) / 21:22:50-02:15 / ~~St~~ Echo-60p - 8:30 binoculars - another pr. of binoc. / Gene Pulver, Steve Aske / Double Cluster in Perseus, M-34, M-3 M-31, M-32, ~~M-5~~ Echo-60p Echo-II at 00:39, Drawing of S-M-13 and region; Saturn and region. CN-I, Aurora-I.

\* 907EM Monday, 26 - Tuesday, 27 / 22:00-22:01:30 / Clear Very clear, then "absolutely fantastic" -



EOT

(A.S.C.) / Echo-60p; 2.4" rz; 8x30 b; other  
 binoculars / Arnie Baker, Steve Ashe, Rod  
 Johnson / New Messiers: 17<sup>B</sup>, 20<sup>B</sup>, ~~19~~, 62, also, M-12,  
 M-31, M-57, M-33, M-13. Saturn<sup>B</sup>, Albero<sup>B</sup>.  
 Drawing of ~~Antares~~ Deneb region. CN-I,  
 Aurora - I.

90852

Tuesday, 27/16:10-16:15 / Partly cloudy - (A.S.C.)  
 Echo-60p / Kenny Wiener / Ad. Spots seen.

909AN3

Tuesday, 27 - Wednesday, 28 / 22:45 - 04:05 /  
 Mainly cloudy, hazy, very clear, raining  
 (not in that order) - (Astronach Science  
 Camp) - / Ralph Knopf, Jeff Craubert,  
 Rebot Halder, Lew Baum, Barry White, Larry  
 Levine, Andy Bauman, Arnie Baker, David  
 Shapiro, Alan Kornblatt, Steve Ashe, Gene  
 Pulver, Steve Crane / Observations of the Delta  
 Aquarid Meteor Shower — 1965: Total number  
 of meteors seen = 255. Another team went to  
 the planetarium at Plattsburgh to observe the  
 shower. Both teams acquired information  
 on the altitude and azimuth of the meteors. Through  
 trigonometry, the heights of some of the meteors  
 may be ~~see~~ calculated. / Plattsburgh: Mr. Myer, Mr. Steve  
 Parks, G. Soladay, R. Skunberg, P. RuBowey, D. Tarach, K. Wiener,  
 C. Crym, M. Baum, K. Robinson. No. of meteors seen: about  
 165.

\*

910

Pute

910E Thursday, 29 / 22:40 - 23:55 / Clear - (State University)



College at Plattsburgh) / 8" reflector, Questar, 4 1/4 inch reflector / David Larach, Daw Lew Baum, Arnie Baker, Andy Bauman, Steve Parks, Prof. Myers, Steve Ashe / Messiers spotted for first time: 54, 55 (large, diffuse cluster), 69, 70, 75 (small, compact mass); 107 (medium-sized mass as compared ~~with~~ to 55 and 75.

Also, old Messiers: M-13, M-31, M-57. Unusual "meteor" spotted (see catalogue card.)

9119#  
911M → July 30, Friday / 00:30-01:20 / Clear-f (car from ~~Monte~~ Plattsburgh to A.S.C.) - / see above session (except Mr. Myer) / general constellation observations. M-31 (unaided eye)

912M2 July 30 - Friday / 01:50-02:55 / Clear-f (A.S.C.) / - / - / observed Delta Aquarid Meteor Shower for an hour.

913E Friday, 30 / 22:00-22:01 / Cloudy - w/f (A.S.C.) / - / - / Aurora-I!

914EM Saturday, 31 / Sunday, August 1 / ~~Clear-f (A.S.C.)~~ "Absolutely fantastic" - f (A.S.C.) / 22:31-00:40 / - /

AUGUST Arnie Baker / Delta Aquarids - 45 meteors seen.

915E Monday, August 2 / Clear-f (A.S.C.) / 23:04-23:05 / ⊕ Light Buzze - w/f (A.S.C.) / - / - / Aurora-I.

(916E Tuesday, August 3<sup>rd</sup>, 1965 / 21:00-21:10 / Clear-f (A.S.C.) / Echo-60p / Tony Santy

(917AN2) David Larach, Steve G. & Crane / 8", 8"  
→ Tuesday, Aug. 3 - Wednesday, August 4 / 21:40



EDT

-04:20 / Very clear to "Absolutely fantastic" / f(A.S.C.) / Echo-60p / David Jarach (North), Mike Parker (South), Ralph Knopf (East), Tony Lantz (West), Steve Crane (Overhead), (Recorder: H.D. Levy) / Delta Aquarids - 564 meteors seen. (See Delta Aquarids - 1965 - folder) Aurora-I

918E <sup>M</sup> <sub>Wednesday</sub> August 4/9 22:20 to 200:15 <sup>clear</sup> Clear, then very clear to "abs. fantastic" / f(A.S.C.) / Tony Lantz, Steve Crane, David Jarach / Echo-60p / M-13, M-31, NGC-869, 884; General Constellation Observations.

919E <sup>2</sup> <sub>Thursday</sub> August 5/6, 1965 / 22:05 - 01:00 <sup>clear</sup> ~~clear~~ / f(A.S.C.) Clear, then very clear to "abs. fantastic" / f(A.S.C.) / Tony Lantz, Steve Crane, Andy Bauman, David Jarach / New constellations: Equellus, Capricornus - M-29, M-27, M-39; Epsilon Lyrae, Zeta Lyrae / Instruments: Echo-60p, binoculars / General Constellation Observations.

920EM August 10/11, 1965 / 22:15 - 01:30 / Slight Haze - f(818) / Pegasus ~~f(818)~~ Paul Astrof (Alberio, M-13, M-31, M-32, M-57). (at 22:50 - probable Perseid through field of ~~low~~ 1" eyepiece; Drawing of M-57 and of O the Struve feature on Luna. Aurora-I.

921M <sup>M</sup> August 12 / 23:15 - 02:00 / Hazy - f(818) / -15m Aldous, Carl Jorgensen / 1965 Perseid Session No. 1 - 15 seen.

922S <sub>S</sub> Aug. 11 / 14:00 - 14:10 / Clear - f(818) / Pegasus / Carl J. / 2 spots - more under high power -



92352 Thursday, Aug. 12 / 15:00 - 15:05 / Clear - f Mainly  
Partly Cloudy - f (818) / Pegasus / - / O spots -  
test session for Pegasus.

9245 FRIDAY, 13! / 19:05 - 19:17 / Clear - favorable (818) /  
Pegasus / SIM ALDOUS / O SPOTS!!!

\*925AN  
925

Friday, 13 - Saturday, 14 / 20:45 - 21:45 to 04:35 /  
Mainly clear, slightly hazy + f (818) / - / Carl  
Jorgensen, Jim Aldous, & Steve <sup>Clipper</sup> Simon,  
2nd Perseid Meteor Observations - 56 seen.

926E Saturday 14 / 22:00 - 23:05 / ~~Clear~~ Very hazy - f  
(R.A.S.C.) / 6" refractor / Mr. Duchow + others /  
M-13, M-31, Saturn, Luna.

927M Sunday 15 / 00:00 to 00:20 / H. Clear - f  
(atches Jim Aldous) / 4" Tasco reflector /  
Jim Aldous / Saturn, Luna.

\*928M2 Sunday 15 / 01:00 to ~~05:00~~ <sup>05:00</sup> / Clear <sup>full moon</sup> - f (818) /  
Pegasus + 1 - 1 Saturn, Alberio. M-31, M-32, M-45.  
Double cluster in Perseus. Hyades. Drawing  
of Theophilus. Drawing of 4.

\*929M Monday 16 / ~~03:00~~ 03:00 - 06:25 / Clear - f (818) /  
8' Pegasus - all powers / - / General Observations  
then - M-3 drawing of Theophilus - First  
Observation of transit of Io, also shadow  
ingress. Drawing of 4.

930\*930AN Monday, 16 - Tuesday, 17 / 21:00 - 05:00 / Slight  
Haze - f (818) / Pegasus - 4 powers / Carl Jorgensen,  
Clipper / Luna, Alberio, Eta Cygni, & Androm -



EDT

*Polaris, ~~Andromeda~~ Zeta Lyrae.*  
edae; M-27, M-13. Echo II.

*Drawing of Thophilus, Posidonius, Rabbi Levi; Zeta Lyrae and Polaris, & Andromedae, + Jupiter*

931E Friday, 20/22:40-23:45 / Mainly Partly to Mainly Cloudy - f (818) / - / Clipper / 3rd Perseid session - 1 seen.

932S Saturday, August 21/22:19:40-19:50 / Mainly Clear - f (Deep Sky Wonder Night <sup>chez</sup> Mr. Anderson) / 8" & 3 1/2" refl., 4 1/2" refl., Pegasus / O spots

933E Saturday, August 21/19:00-23:30 or so / Partly to mainly cloudy, then cloudy - f (Deep Sky Wonder Night - chez Mr. Anderson - near Montgomery Centre, Vermont) / 8 Pegasus, 3 1/2" el, 4 1/2" el, other telescopes, etc. / Carl Jorgensen, Jim Aldous, Mr. Aldous, Mr. Walter Scott Houston, Mr. Sundell, Mr. Anderson, Constantine Papacostas, Robert Ballantine, and others / Polaris, Epsilon Lyrae, Double Cluster in Perseus. M-13, M-57.

~~934E Monday, August 23/22:45-00.~~

\* 934EM Monday <sup>Tuesday</sup> August 23/24/22:45 to 00:45 / Clear - f (818) / 8" Pegasus, 55, 6, 86.7, 235.5p / Clipper / New Messiers: M-72, M-73.

\* 935EM 1 Saturday / Sunday, August 28/29/22:30 to 03:30 / Partly Cloudy haze, "Abs. fantastic" - f



(Jarnac) / 8 Pegasus - 55.6x, 86.7x, 235.5x / Constantine  
 Papacosmas, Grandpa W. Levy / Saturn,  $\alpha$  D  
 Alpha Delphini, Alberio, Epsilon Lyrae, M-  
 13, M-31, M-57, M-33. New Messiers;  
 M-74, M-76, M-77. Other Objects: - NGC-752.  
 (M-33 seen with naked eye). Aurora-I.  
 M-32.

\*936EM Sunday / Monday, Aug. 29 / 30 / 22:30 to 01:15 /  
~~2~~ Clear - f (818) / Pegasus 55.6, 86.7, 235.5p /  
 Carl Jorgensen / Gamma Delphini, Pi Aquilae  
 Gamma Arietis, Delta Cephei. Zeta Draconid  
 Meteors.

937EM,   
 → Sun / Monday / Tuesday, August 30 / 31 / 21:15 to 02:05 /  
 Quite Clear - f (818) / 8" refr. Pegasus - 55.6, 86.7,  
 235.5, 353.2x; 8x30b / Larry & B. Stein, Richard,  
 Levy, Clipper / Saturn, 78 Pegasi, 33 Pegasi,  
 $\Sigma$  2877 - Pegasi, M-31, M-32. Echo-II / Alberio.  
 CN-I, Aurora-I. Zeta Draconid Meteors.

SEPTEMBER  
 938EM Thursday, Sept. 2 / Fri, 3 / 21:00 to 00:15 / Clear -  
 f (818) / Pegasus, 55.6, 86.7, 235.5, 353.2p / 2.5 Discov-  
 erer - 4.5" rd - binoculars / Jim Adams, Steve  
 Simon, Clipper / Saturn, Alberio, Epsilon Lyrae,  
 Gamma Delphini, Gamma Arietis, Delta Cygni,  
 M-13, M-71, M-15, M-27, M-57, CN-I, Aurora-I.

939M Saturday, Sept. 4 / 02:00 to 02:00 to  
 02:15 / Clear - f (818) / - / - / Meteor Watch.  
 CN-I, Aurora-I, (also on grounds of St. Joseph's  
 Oratory)



EDT

- 940S2 Saturday, Sept. 4 / 01:50-01:55 / Clear - f(818) /  
Discoverer / - / 0 spots.
- 941E3 Saturday, Sept. 4 / 23:00-23:05 / Clear - f(RASC) /  
6"rr / Arnie Baker + others / Saturn; general  
constellation observations.
- 942M Sunday, Sept. 5 / 00:05-00:07 / Clear Hazy - f  
(818) / 7x50b / - / CN-I.
- 943S2 Sunday, Sept. 5 / 10:05-10:10 / Clear - f(818) /  
8x3 7x50 binocs / ~~0~~ - / 0 spots.
- 944S3 Sunday, Sept. 5 / 14:13:00-13:05 / Clear - f(818) /  
Discoverer / - / ~~0~~ spots. 3 spots.
- 945E Monday, Sept. 6 / 22:10 to 22:40 / Slightly hazy - f  
(roof of Grandpa's Apartment (Towers Apts.)) / 7x50b /  
3 Aldous / Aurora-I, CN-I. M-31. Double Cluster  
in Perseus. Saturn. Capella. General constellation  
observations.
- 946S Wednesday, 9 / 21:00-21:03 / clear - f(818) /  
g filters / - / 0 spots
- 947E2 Thursday Wednesday, 9 / Sept 8 / 20:45-21:15 / Clear -  
f(RASC) / ~~8-30b~~ 7x50b, 4"rr / others / g M-13,  
Luna, ~~NGC 865/884~~, NGC 865, 884. CN-I.  
Mizar + Alcor. [illness for a few days]
- 948E Sunday, Sept. 12 / 21:50-22:00 / Partly  
cloudy - f(818) / - / Sammy Morgulis / Constella-  
tion Study Study; Aurora-I.
- 949CS1 Friday, Sept. 17-18 / 23:40-00:30 / Clear (mainly) /  
f(Fontainebleau Motor Hotel, New Orleans / 8.30b)



CST

~~M-45~~

general constellation observations Perry Richard,  
Larry Stein, 1 C, 2, M-45. <sup>new</sup> Const's: Crux, Sculptor  
950m Sat. Sept. 18 / 01:50 - 02:01 / Partly Cloudy -  
f (Fontainebleau, New Orleans) / (8x30 B) / 1 Messier  
Hunting - unsuccessful 1 C, 2, Aurora-I-E,  
part of N + S. (negative)

951m

Sun. - Sept. 19 / ~~01:55 - 01:57~~ / ~~00:50 - 01:00~~ / Clear  
Slightly hazy - f (Fontainebleau, New Orleans) / - /  
Bonnie Segal / general observations

952m

Sun., Sept. 19 / 01:55 - 01:56 / Clear Slightly hazy f  
(Fontainebleau, New Orleans) / - / - / Aurora-I.

EDT

953E

Sat. Sept 25 / 22:00 - 22:03 / Clear - f (RAFSC) / (8.30 b)  
~~other~~ / CN-I.

954E

Sat. 25 / 22:30 - 22:32 / Clear - f (St. Joseph's Oratory) / - /  
- / Aurora-I.

\* 955E

Thursday, 20 30 Sept. ~~f~~ / 19:00 - 22:30 /  
Mainly cloudy - hazy - f (USM<sup>+</sup> Park) / other scopes / many other people /  
Pegasus  
Star Night. / 2, C, M-31, Vega, Epsilon Lyrae.

OCTOBER

956E

October 2 / 23:00 - 23:05 / Clear - f (RAFSC) /  
8x7x50 binocs. / C. Jorgensen / CN-I.

957E

October 2 / 23:30 - 23:33 / Clear - f (Grounds of  
St. Joseph's Oratory) / - / Aurora-I.

958E

October 13 / 21:15 - 21:20 / Clear - f (818) / ~~8-30 b~~ /  
- / CN-I, Aurora-I.

959E

Oct. 14 - Thurs. / 21:00 - 21:05 / Very hazy - unfr  
(818) / - / ~~8-30~~ 7x50 b / - / CN-I, Aurora-I.



EDT

960M

Friday, October 15/05:30-07:40 / @ Mainly Cloudy (Clear first) - of (818 - Saw W. smit. Summit) / a few other observers, and policeman / Attempt to locate and draw Comet Ikeya-Seki. Failed because of clouds (CN-II). (I <sup>got</sup> went up; it was clear. Upon reaching the Summit (by bicycle - at 5:45 AM) I found that a thick stratus cloud had begun to cover the sky, at about 6:15 I went home to find that it was clearing up. Back I went. Clouds did remain in the comet's area, however, and I went home at about 6:40 AM.)

961E2

Friday - Oct. 15/ 20:55-21:55 / Clear - / then cloudy (8 Roof of Towers' Apts.) / - / Carl Jorgensen, Steve Simon, Kenny Wiener, Arnie Baker, Tom Meyer. 10 Orionid meteors - 29

962M

~~seen.~~  
Saturday, Oct. 16/ 06:38-06:50 / Clear - / W. smit Summit / a few other people 17x30 b / Mr. Comet was not seen. I woke at 5:30 - cloudy - at 6:30 it was clearing but by the time I got to Summit Park it was too late - too bright.

963E2

Sat. Oct. 16/ 20:20-20:21 / Clear - / (St. Joseph's Oratory) / - / - / Aurora - I

964E3

Sat. Oct. 16/ 22:20-22:22 / Clear - / (St. Joseph's Oratory) / - / - / Aurora - I

965E4

Sat. Oct. 16/ 22:50-22:55 / Clear - / (818) / 8x50 b / - / CN-I, Aurora - I.

~~966E 966M~~ Sunday, Oct. 17/ 04:30-04:20-07:15 / Quite



- EDT  
 966M Sunday, Oct. 17 / 04:20-04:45 / ~~Clear~~ Quite Clear - f (818) / 8" Pegasus - 55.6 P; 86.7p / Sammy Margulis, Carl Jorgensen, Mr. Jorgensen / Attempt to time occultation failed.
- ~~967~~ 967M Sunday, Oct. 17 / 04:55-07:15 / Quite clear - f (W. ant. Lookout) / Pegasus, 55.6p-86.7pt 8.7x50 binocs; other instruments / Carl Jorgensen, Mr. Jorgensen, Mr. Good, Mr. Duchow, Miss Williamson, B. Louie Bernstein, Sammy Margulis, Leo Nikkinen, + others / M-42, C, 4. Purpose: To see Comet Ikeya-Seki. <sup>It</sup> was so close to the sun that, although it was zero magnitude ~~none~~ none saw it. Understand from Mr. L. Duchow that I missed seeing an aurora this morning. ~~Over~~ Aurora-I; Sunrise.
- 968S3 A Sunday, Oct. 18 / ~~04:55~~ 14:25-14:40 / Clear - f (818) / Pegasus - ~~to~~ 55.6p / - / ~~the~~ Osprey.
- 969E4 Sunday, Oct. 17 / 19:20-21:40 / Clear - f (818) / Pegasus - 55.6p; 86.7pt 7x50 Binocs / Bobby Cahen, Carl Jorgensen / Tried for 2 hours to find Comet Alcock (CN-II). Failed. M-57.
- 970E5 Sunday, Oct. 17 / 22:40-22:41 / ~~Clear~~ Slightly hazy, f (818) / - / - / Aurora-I.
- 971E6 ~~Su~~ Sunday, Oct. 17 / 23:07-23:12 / <sup>perhaps a bit hazy</sup> Clear - f (818) / 7x50 binoculars / - / CN-I, Aurora-I.
- 972E ~~Monday~~ Tuesday, Oct. 18 / 21:05-21:10 / Very hazy - partly cloudy - f (818) / 8x30b / - / CN-I, Aurora-I.
- 973S Tuesday, Oct. 19 / 16:34-17:36 / Clear - f (818) /



EDT

- Son Sun-viewing glasses/-/0 spots
- 974 E2 ~~Monday~~ <sup>Tuesday</sup> Oct. 19/19:00-19:06/Clear-f  
(818)/7x50 binocs/-/CN-I, Aurora-I
- 975 E3 ~~Tuesday~~ <sup>Monday</sup> Oct. 19/20:30-20:35/  
Clear Hazy-f (818)/8x3-7x50 b/-/1  
CN-I + Aurora-I
- 976 E4 ~~Monday~~ <sup>Tuesday</sup> Oct. 19/21:45-21:47/~~Clear~~ Hazy-f-(818)/  
-/-/Aurora-I
- 977 E5 ~~Tuesday~~ <sup>Monday</sup> Oct. 19/23:28-23:35/Clear-f (818)/  
-/-/Aurora-I. — — (?? East)
- 978 M ~~Tuesday~~ Wednesday, Oct. 20/05:45-  
06:30/Clear-f (Summit lookout)/8x50  
binocs/other people/attempt to see at  
least the tail of Comet Ikeya-Seki - failed.  
Aurora-I.
- 979 M2 ~~Fri~~ Wed., Oct. 20/07:55-08:07:53-07:58/  
Clear-f (818)/8x7x50 b/-/Attempt to see  
Comet Ikeya-Seki. Failed.
- 980 S3 ~~Wed~~ <sup>Thurs</sup> Oct. 20/07:19:16:30-16:40/Clear-f  
(818)/7x50 <sup>viewer glasses</sup> b/-/Attempt to see Comet Ikeya-  
Seki + Sunspot I
- 981 E4 ~~Thurs~~ Wed Oct. 20/19:15-19:30/Clear-f (818)/  
7x50 b/-/CN-I, Aurora-I.
- 982 E5 Wed. Oct. 20/21:35-22:15/Slightly hazy-f  
(818)/8x30 b/~~Carl~~ So (Roof of Towers' Apts.)/Carl  
Jorgensen/Attempt to see tail of Ikeya-Seki  
(Near perigee now). FAILED. ~~Aurora-I~~



EDT

- 983S Sunday, Oct. 24/010:20-10:35/ ~~Clear~~ Hazy-f  
(818) (from open window) / ~~8~~ Pegasus, <sup>-solar glasses-</sup> 55.6p / - / 1 spot.
- 984E Wednesday, Oct. 27/19:15-19:55 / Partly Cloudy-f  
(818) / 7x30b / - / CN-I, Aurora-I.
- 985E Thursday, Oct. 28/21:55-21:58 / ~~Clear~~ Partly Cloudy-f  
(818) / 7x30b / - / CN-I, Aurora-I.
- 986M FRIDAY, OCTOBER 29/05:50 to 06:32 / ~~Clear~~ Quite  
Clear - favourable (25° - perhaps a bit lower - temp) (SUMMIT  
LOOKOUT) / 7x50 BINOCULARS / - / COMET IKEYA-  
SEKI SEEN - FIRST TIME. This is the first time  
I had ever seen a comet. (See Sessions 980M,  
962M, 967MS2, 978M, 979M2, 980S3, 982E5)  
Finally, "CN-II" (See project summary) is successful  
(on eighth try.) Aurora-I
- 987E2 Friday, Oct. 29/23:02:22:55-22:57 / <sup>Mainly clear</sup> Clear-f (818)  
- / - / Aurora-I.
- 988E Saturday, Oct. 30/23:40-23:42 / Clear-f  
(Oratory) / - / - / Aurora-I
- 989E Monday, ~~Oct.~~ Nov. 1/22:15-22:20 / Clear-f (818)  
7x50 binocs / - / Aurora-I, CN-I.
- 990E Wednesday, Nov. 3/17:16:15:45-15:55 /  
Clear Hazy-f (Queen Mary Road) / - / - / Solar  
Halo.
- 991E Wed., Nov. 3/18:50 to 19:50 / Mainly Clear - then  
hazy + f (818) / Pegasus, 55.6p, 86.7p / - / Attempt  
to see Comet Alcock - failed; Occultation - failed.  
M-57.



EST

992 E3

November 3 (Wed) / 22:50 - 22:55 / Partly Cloudy -  
(Towers Apts. Roof) / - / Leo Pikkunen / Aurora - I

993 E

Nov. 4 (Thurs) / ~~22~~ 18:50 - 18:52 / Partly  
Cloudy - f (818) / ~~4~~ 7x50B / - / Aurora - I.

(see after 1000  
for 994)

995 M

November 5 (Friday) / 04:15 - 04:35 / Quite Clear - f (818) /  
7x50 binoculars / Carl Jorgensen / New Messier: -  
46, 47, 93, 50, ~~44~~ M-44.

996 M2

November 5 (Fri.) / 04:50 - 05:15 / ~~Quite Clear~~ Clear -  
~~f (818)~~ / - / 7x50 binocs - 3" reflector / Carl Jorgensen,  
Mr. Jorgensen / New Messier: 67, <sup>First</sup> Observations  
and drawing of ~~the~~ head of Comet Ikeya-Seki. (9th try)

997 M3

November 5 (Fri) / 05:30 - 05:40 / Very Clear - ~~f (818)~~  
(just off Champlain Bridge - not Mt. side) / 7x50 binoculars /  
~~to~~ Mr. Jorgensen, Carl Jorgensen / Observation of  
Comet Ikeya-Seki.

998 S4

~~November~~ Friday, Nov. 5 / ~~11:20 - 11:23~~ / 11:23 - 11:25 / ~~Clear~~  
f (818) / Solar glasses / - / Osprey.

999 E5

Friday, Nov. 5 / 21:05 - 21:07 / Partly Cloudy - f  
(818) / ~~7~~ - / Carl Jorgensen / Aurora - I.

1000 E6

Friday, Nov. 5 / 22:50 - 23:00 / Mainly Cloudy - unf  
(818) / 7x50 binocs / Carl Jorgensen, Arnie  
Baker, Chipper / E, Vega, Aurora - I

994 E7

number accidentally  
left out

Friday, Nov. 5 / 23:10 - 23:11 / Mainly cloudy - unf  
(818) / ~~7~~ - / - / Aurora - I.

1001 E8

Friday, Nov. 5 / 23:25 - 23:30 / Partly - Mainly Cloudy -  
unf (W. Mt. Lookout) / - / - / Aurora - I.

1002 E

Saturday, Nov. 6 / 23:59 - 00:00 / Very hazy -



EST

- partly cloudy /  $f$  / un $f$  (818) / - / Clipper / Aurora - I.
- 1003M Sunday, Nov. 7 / 04:10 - 04:14 / Hazy - partly cloudy -  $f$  (818) / - / - / Aurora - I.
- 1004S Tuesday, November 9 / 08:05 - 08:07 / Clear -  $f$  (818) / Solar glasses / - / Sun Spots.
- 1005E2 ~~Wednesday~~ <sup>Tuesday</sup>, November 9 / 22:00 - 22:05 / Clear -  $f$  (818) / 7<sup>28</sup> / - / Aurora - I, CN - I.
- 1006E Wednesday, Nov. 10 / 22:10 - 22:11 /  $f$  Cloudy (but visible through clouds) / un $f$  (818) / - / - / Aurora - I.
- 1007S Thursday, Nov. 11 / ~~15:50~~ 15:50 - 15:52 /  $f$  Mainly Cloudy - un $f$  (818) / Solar Glasses / - / Spots - un $f$  - favorable observing conditions.
- 1008E Saturday, Nov. 13 / 18:17:40 - 17:43 / Clear -  $f$  (818) / - / - / Aurora - I.
- 1009E2] Nov. 13 / 19:45 - 19:46 / Clear -  $f$  (818) / - / - / Aurora - I.
- 1010E3 Nov. 13 / ~~20:00 - 20:10~~ / 20:05 - 20:10 / Clear -  $f$  (818) / 7x50 binocs / - / Aurora - I, CN - I.
- 1011E4 Nov. 14 / Nov. 13 / 21:15 - 21:36 / Clear -  $f$  (818) / - / - / Aurora - I.
- 1012S Sunday, Nov. 14 / 11:35 - 11:38 / Clear - Mainly Clear -  $f$  (818) / Solar Glasses / - / Spots seen.
- 1013S2 Sunday, Nov. 14 / 13:30 - 13:50 / Clear - Mainly Clear -  $f$  (818) /  $f$  Pegasus - 55.6p / - / 1 spot seen.
- \* 1014E3 Sunday, Nov. 14 / 17:00 - 17:35 / Clear -  $f$  (818) / Pegasus - 55.6p, 255.5p / - / Venus drawing - first one.
- 1015E4 Nov. 14 / ~~18:30~~ 18:30 - 18:32 / Clear -  $f$  (818) / - / - / Aurora - I.
- 1016E5 Nov. 15 / ~~18:19:00~~ 18:55 - 19:00 / Clear -  $f$  (818) / 7x50b / -



EST

CN-I, Aurora-I

1017 E6 Sunday, Nov. 14/19:15-19:20/Clear - f(~~818~~)/(St. Joseph's Oratory) - / - / Aurora-I

1018 E7 Sunday, Nov. 14/19:45-19:46/Clear - f(818) - / - / Aurora-I

~~1018 E~~ → Nov. 14/ 20:00 - 20:01/Clear - f(818) - / - /

1019 E8 Aurora-I

1020 E9 Nov. 14/20:17-20:18/<sup>quite</sup> Clear - f(818) - / - / Aurora-I

1021 E10 Nov. 14/22:45-22:47/Quite Clear (818) - / - / Aurora-I

1022 ES Nov. 19/08:15-08:17/Clear - f(818) / <sup>Solar</sup> glasses - / O spots

1023 S Nov. 24/~~28~~ 15:35-15:36/Clear - f(Westmount Park) / Solar glasses - / No spots seen

1024 E Nov. 27 - Sat / 22:10 - 22:15 / Clear Partly Cloudy - f(St Joseph's Oratory) - / - / Aurora-I

1025 E2 Nov. 27/23:45-23:50/Clear ~~(mainly)~~ Partly cloudy - f(Oratory) - / - / Aurora-I

1026 S Nov. 28/ 2 10:05-10:10/<sup>mainly</sup> Clear - f(818) / <sup>glasses</sup> - / - / 0 spots

~~1027 S~~

DECEMBER

1027 S Dec. 5 - Sun / 11:35-11:40 / Clear - Partly cloudy - f(818) / <sup>Solar</sup> glasses - / O spots

1028 E2 Sun., Dec. 5 / 19:20-19:22 / Cloudy - ~~unf~~ (818) - / - / Aurora-I

1029 S Monday, Dec. 6 / 12:40-12:42 / Mainly Clear - f(818) - / Solar glasses - / 0 spots

1030 E2 Tuesday Mon - 6 / 23:45-23:46 / Mainly cloudy



EST

- very hazy <sup>un</sup> (818) / - / - / Aurora - I.
- 1031M Tues, 7/03:00-03:05 / Clear - f (818 - ~~ch~~ through open window) / - / - / General observations.
- 1032S<sub>2</sub> Tues & Dec, 7/12:50 to 12:53 / Clear - f (818) / <sup>sol</sup>glasses / - / 1s pot -
- 1033E<sub>3</sub> Tues - 7/19:15 to 19:17 / ~~Clear~~ Partly Cloudy - f (818) / ~~8"~~ / 7x 50b / - / Aurora - I, CN - I.
- ~~1033~~ 1034E Wed, 8~~Sept~~ / Dec, / 21:15 - 21:22 / Clear - f mainly cloudy <sup>un</sup> (818) / - / - / Aurora - I.
- 1035E<sub>4</sub> Fri, Dec, 10 / 22:00 - 22:30 / ~~Clear~~ Hazy - f ~~8"~~ (Towers Apts) / - / C. Jorgensen, A. Baker / ~~Geminid~~ meteors. Arnie saw the only one.
- 1036S Sat Dec. 11 / ~~200~~ - Sun, Dec. 1 / Sat. 11 / 13:50 - 13:55 / Clear - f (818) / - / Sammy Morgulis / O spots.
- 1037M Sun, 12 Dec / 00:45 - 01:10 / Clear becoming hazy f (818) / - / - / Geminids - 1 seen /
- 1038EM FRIDAY, DECEMBER 17, 1965 / 23:30 to 00:30 / Mainly Cloudy, ~~rain~~ then becoming mainly clear for a while, with very light haze, then cloudy again - f (818) / 8" reflect Pegasus - 55.6p, 86.7p / Clipper / Pollux, Castor. CN-III started - area between Castor and Pollux examined. Aims of CN-III - see orange folder or CN-III album.
- 1039S Sunday, Dec. 19 / 15:03 - 15:05 / Clear - f (park near 818) / Solar glasses / - / O spots.
- 1040E<sub>2</sub> Sunday 19 / 17:00 - 17:50 / Clear - f (818) / 8" sl - 55.6p + other power / Carl Jorgensen / CN-III ~~(best)~~ / CN-I, aurora - I.
- 1041E<sub>3</sub> Sun, 19 / 20:30 - 21:00 / ~~Clear~~ Quite clear - f (818) / 8" Pegasus 55.6p / - / CN-III.



EST

1042 E ~~S~~ Monday, Dec. 20 / <sup>quite</sup> Clear - f (818) / <sup>Oratory</sup> 21 22:30 to 22:35 /  
2u - / - / Aurora - I

~~1043 E2~~ Dec. 20 / ~~Quite~~ Very Clear - f (818) / 0

1043 M Tuesday, Dec. ~~20~~ / 00:15 - 00:20 / ~~Clear~~ Very Clear - f (818) /  
87x50 binocs / - / CN - I, Aurora - I,

1044 E2 Tuesday, Dec. 21 / 21:15 - 21:20 / ~~Quite~~ Clear - f (818) / Roof of  
Towers Towers' Apts. / - / - / Aurora - I (?? Aurora - I),

1045 E3 Tuesday, Dec. 21 / 22:10 - 22:20 / ~~Quite~~ Clear - f (Roof of  
Towers' Apts) / 4 7x50 b / - / CN - I, Aurora - I (negative)

#1046 S We Sunday, Dec. 26 / 12:00 - 12:05 / Clear - f (818) /  
Pegasus - 55.6p / - / 4 spots in group.

\* 1047 E2 Sunday, Dec. 21 / 19:00 - 22:30 / ~~Clear~~ Quite Clear - f  
(818) / 7x50 binocs + Pegasus - 55.6p - 86.7p / ~~Clear~~ /  
Jim Aldous / CN - III, CN - I, Aurora - I, Perhaps I  
saw Vesta (confirmed)

1048 E Tuesday, Dec. 28 / 19:00 - 19:01 / Cloudy - unfr (Parliament  
Hill, Ottawa) / ~~Clear~~ / S. Morgulis / Aurora - I.

316 sessions in 1985.



## Highlight Sessions

- 735E3 Jan 1. M-79 seen
- 744E3 Jan. 9. M-78.
- 7822E Apr. 18 M-51, M-63, M-94.
- 874AN July 8/9 M-28, 21, 23, 26, 16.
- 878E3M July 10/11 ~~Project~~ Lunar Work project reopened.
- 900E3M July 10/21/22 - M-9, 97, 108, 109.
- 907EM July 26/27 - M-17, 20, 19, 62.
- ⊕909ANB July 27/28 - Delta Aquarids.
- 910E July 29 M-54, 55, 69, 70, 75, 107.
- 917AN2 - Aug. 3/4 - Delta Aquarids
- 920EM Aug. 10/11 - Lunar work - 8" refl (first time)
- 925AN Aug. 13/14 - Perseids.
- 928M2 Aug. 15 - Theophilus drawings.
- 929M Aug. 16 - transit of Io.
- 930AN Aug 16/17 - ~~exercise~~ 3 crater drawings, double stars.
- 934EM Aug 23/24 - M-72, 73
- 935EM Aug 28/29 - M-74, 76, 77.
- 955E Sept.
- 936EM Aug 29/30 Zeta Draconids.
- ~~937~~955E Sept 30 Star Night.
- 961E2 Oct. 15 Orionids
- 967MB2 Oct. 17 large session with RASC & - unsuccessful attempt to see Comet Ikeya-Seki.
- ⊕986M Oct. 29/ Comet Ikeya-Seki seen (tail)
- 995M Nov. 5 - M-46, 47, 43, 50, 44.
- 996M2. Nov. 5 M-67 - head & tail of Ikeya-Seki.
- 1014E3 Nov. 14 - first Venus drawings. (cont)



Summary  
(cont)

Highlights - 1965.

Dec 1038EM - Dec. 17, 1965 - CN-III started

1047E2

Dec. 26 / Vesta - first sighting.



1966.

EST

- 1049 #M1 January 1/00:00-00:03/ Cloudy - wnf (818) / - / Carl Jorgensen / Aurora-I.
- 1050 #M2 Jan. 1/02:35-02:40/ Partly Cloudy - f (Maplewood Ave.) / - / C. Jorgensen / Aurora-I.
- 1051 #M3 Sat, Jan. 1/03:20-03:22/ Partly Cloudy - f (St. Joseph's Oratory) / - / - / Aurora-I.
- 1052 SA Sat. Jan. 1/ ~~01:20-01:20~~ 13:20-13:30/ Mainly Cloudy - wnf (Top Towers Apt. Roof) / 7x50b / - / "Venus-II" (failed)
- 1053 S5 Sat, Jan. 1/15:45-15:50/ Mainly cloudy - wnf (Towers Apt. Roof) / 7x50b / - / "Venus-II" failed.
- 1054 S6 Sat. Jan. 1/16:20-16:25/ <sup>mainly</sup> Cloudy - wnf (Towers Apt. Roof) / 7x50b / - / "Venus-II" (to see Venus in broad daylight) - failed.
- 1055 E7 Sat., Jan. 1/ ~~16~~ 19:00-21:00/ Mainly Clear - f (818) / Pegasus-55.6x, 86.7x / - / Confirmation of sighting of Vesta, CN-III. First seen - NGC 1931.
- 1056 E8 Sat. Jan 1/ ~~22:30 to~~ 22:15 to 23:15/ Clear - f (818) / Pegasus-55.6x / - / MF77 (failed), CN-III, CN-I, Aurora-I.
- 1057 E Monday, Jan. 3/22:50 to 23:20/ Clear - f (818) / 7x50 B - Pegasus-55.6x, 86.7x / ~~at~~ Lise Legault / "DS-5" (J Leonis), Final Confirmation of sighting of Vesta, CN-III, CN-I, Aurora-I.
- 1058 E Tuesday, Jan. 4/21:25-21:31/ Clear - f (818) / 7x50b / - / CN-I, Aurora-I.
- 1059 E Wednesday, Jan. 5/ #23:55-00:00/ ~~to~~ Hazy - f (818) / ~~7~~ 7x50b / - / CN-I, Aurora-I.
- 1060 E Thursday, Jan. 6/23:20 to 23:25/ Hazy - partly Cloudy - f (818) / ~~7~~ 7x50b / - /



EST

- 17x50 binocs / - / CN-I, Aurora-I,  
1061S ~~Wed~~ Friday, Dec. Jan 7 / 08:22-08:24 / Mainly  
Clear - f (Lansdowne Ave) / <sup>glasses</sup> - / O spots.
- 1062E2 Fri, Jan. 7 / 17:40-18:05 / Clear - f (818) / Pegasus - 55.6x  
7x50 binocs / - / 2 NGC 1931 (I think) (I hope!) (It was  
low in ~~the~~ sky and near a ~~very~~ full ☾ which would rise  
soon.) CN-I, Aurora-I.
- 1063S Sat. Jan. 8 / 14:00-14:10 / Clear - f (818) / Pegasus - 55.6x  
- / O spots.
- 1064S2 Sat. 8 / 14:30-14:40 / Clear - f (Roof-Towers Apt.) / Solar  
glasses - 7x50b / - / O spots - no Venus.
- 1065S3 Sat. 8 / ~~16:40-16:50~~ / Clear 16:30-16:40 / Clear - f (818) /  
Pegasus - 55.6x / - / failed to find Venus (Venus III.)
- ~~1066E4~~ 1067E4 Sat. 8 / 16:30-16:40 / Mainly Clear - f (Westmount Park -  
just behind the library) / - / S. Morgulis / Aurora-I.
- 1067E5 Sat. 8 / 20:00 to 20:02 / Clear - f (818) - some clouds / - / - /  
Aurora-I.
- ~~1068E6~~ 1069E7 Sat. 8 / ~~20:20-20:30~~ 23:20-23:30 / Clear - f (818) / 7x50 binocs; 6x30  
monocular / - / CN-I, Aurora-I, M45, M42, ☽, ☾.
- 1068E6 Sat. 8 / 22:50-22:53 / Pigeon - f (RASC) / 6x30 monoc. / C. Jorgensen / ☽, ☾, Luna.
- ~~1069E7~~ Test session for 6x30 monocular.
- 1070M Sat Sun. 9 / 00:30-00:31 / Clear - f (818) / - / - / Aurora-I.
- 1071M2 Sun, Jan 9 / 00:50-00:51 / Clear - f (818) / - / - / Aurora-I.
- 1072M3 Sunday 9 / 05:33-05:34 / ~~Clear~~ Slightly hazy - f (818) /  
- / - / Aurora-I.
- 1073E4 Sunday, Jan. 9 / ~~11:15-11:20~~ / 11:10-11:20 / Clear - f (818) / Solar  
glasses - 6x30 monocular / Pegasus - 55.6x / - / O spots



EST

107455 Sunday, January 9/14; 25-15:00 / Quite Clear - f (Roof of Towers' Apt - and driveway) / 7x50 binocs / - / Spotted Venus (by myself - first time). (See Session #4735.) (Venus IV - successful).

1075E6 Sun, 9/17:55-18:05 / ~~Q~~ Clear - f (818) / 7x50 binocs / - / CN-I, Aurora-I.

\*1076E7 Sun 9/19:05-19:30 / ~~Q~~ Partly Cloudy - f (Roof of Towers' Apts) / 7x50 binocs / — / CN-I, Aurora-I, First of official "dome" check - CN-I.

1077E Monday 10 Jan, / 18:50-18:57 / Clear (mainly) - f (818) / 7x50 binocs / - / CN-I, Aurora-I.

1078E2 Monday 10/20:37-20:38:30 / Partly Cloudy - f (818) / - / - / Aurora-I

1079E3 Monday, January 10, 1966 / 23:05-23:15 / Mostly Clear - f (St. Joseph's Oratory) / 7x50 binocs / - / CN-I, Aurora-I, Constellation - I (no new ones seen, however) / Very, very windy - had to lean on a banister to keep from being blown over.

~~1080E~~ 1080S Tuesday, Jan. 11, 1966 / 15:35-15:40 / Clear - f (Westmount Park) / — / — / CN-I. First "Sun Vicinity" check.

1081S2 Tues, Jan, 11 / 16:10-16:15 / Clear - f (Park near 313) / Solar glasses - / Os spots.

1082E3 Tues, 11 / 17:50-17:54 / Mainly Clear - f (818) / 7x50b / - / CN-I, Aurora-I.

1083E4 Tues. 11 / 18:55-19:00 / Mainly Clear - f (818) / 7x50b / - / CN-I, Aurora-I.

1084E5 11/19:40-19:50 / Very Clear - f (~~818~~ and between 4621 M<sup>iche</sup>l Beaud + 818) /



EST

- 7x50b / - / ~~Et~~ Aurora-I, <sup>(818)</sup> Constellation-I.
- 1085E6 ~~Th~~ Tues, Jan. 11 / 21:00 to 21:15 / Very clear - f (between 4621 Michel Beaud + 818; also 818) / - / - / Aurora-I, Constellation-I (Cetus).
- 1086E7 ~~Wed~~ Jan. 11 / 21:55 - 21:57 / Very clear - f (818) / - / - / Aurora-I
- 1087E8 Tues, 11 / 22:45 - 22:55 / Very clear - f (~~818~~) (St. Joseph's Oratory) / 7x50 binocs / - / CN-I, Aurora-I, Constellation-I (Eridanus). (Temp = -4° F.)
- 1088M Wednesday, Jan. 12 / ~~22~~ 05:50 - 05:55 / Very clear (-9° F) - f (818) / - / - / CN-I, Aurora-I
- 1089E2 ~~Fri~~ Wed, 12 / 08:15 - 08:18 / Clear - f (~~818~~) Devan Ave / Solar glasses + / Gerry / O spots.
- 1090E3 12 / ~~th~~ 14:30 - 14:35 / Clear - f (Westmount Park - behind the library) / - / - / CN-I.
- 1091E4 12 / 15:30 - 15:35 / Clear - f (818) (through open window) / 6x30 monocular / - / O spots (poor reading).
- 1092E5 12 / ~~th~~ 18:35 - 18:40 / Clear - f (818) / 7x50b / CN-I, Aurora-I.
- 1093E6 12 / ~~th~~ 20:18 - 20:20 / ~~Cl~~ Quite clear - f (818) / - / - / Aurora-I.
- 1094E7 12 / 21:55 - 21:56 / Very clear - f (818) / - / - / Aurora-I.
- 1095E8 12 / 22:25 - 22:30 / Very clear - f (818) / - / - / Aurora-I.
- ~~1096~~ 1096E9 12 / 23:00 - 23:10 / Quite clear - f (~~818~~) (St. Joseph's Oratory) / 7x50b / - / Aurora-I (I think I saw one - see folder) + CN-I.
- ~~1097~~ 1097E10 12 / 23:40 - 23:42 / Clear - f (818) - slightly hazy in SW / - / - / Aurora-I (negative).
- 1098M Thursday January 13 / 05:50 - 05:55 / Clear - f (818) / - / -



- CN-I, Aurora-I (negative)
- 10995 Friday, Jan. 14/12:35-12:40/ Clear-f (Westmount High School) / Glasses for Sun/ -/CN-I, Sunspot-II (Ospots)
- 1100E2 14/18:05-18:06/ Clear-f (818) / -/ -/ Aurora-I,
- 1101E3 14/18:19:00-19:01/ ~~at~~ Quite Clear-f (818) / -/ -/ Aurora-I.
- 1102E4 14/22:38-22:39/ Cloudy-wrf (St. Joseph's Oratory) / -/ -/ Aurora-I.
- 11033 Saturday, January 15/ Quite Clear-f (818) / Discoverer 6x30 monocular / -/ ~~at~~ 4 spots / 11:05-11:20.
- 1104E2 15/ Clear-f (Westmount Park) / -/ -/ CN-I / 15:40-15:42
- 1105E3 15/ 17:40-18:05 / Quite Clear-very cold-f (818) / Pegasus, 55.6x, 86.7x + 7x50 binocs / CN-I, Aurora-I, CN-III.
- 1106E4 15/ 18:35-19:20 / Very clear-f (818) / -very cold / Pegasus -55.6x / - Aurora-I, CN-III.
- 1107E5 15/ 19:40-19:45 / Very Clear-f (St. Joseph's Oratory) / -/ -/ Aurora-I, CN-I (dome).
- 1108E6 15/ 22:20-22:22 / Very clear-f (St. Joseph's Oratory) / -/ -/ Aurora-I.
- 1109E7 15/ 22:40-23:35 / Very clear-f (818) / Pegasus -55.6p-86.7p / ~~at~~ 7x50 binocs / -/ CN-I, Aurora-I, CN-III. DS-6 Successful - see folder (A B & C, Orionis) / Temp. was -10°F.
- 11104S Sunday, January 16/ Hazy-f (818) / Discoverer - 40pt Solar glasses / - / Ospots / ~~19:00 to~~ 11:00-11:05
- 1111S2 16/ 14:30-14:40 / Clear-f (Summit Circle) / -/ -/ CN-I.



EST

1112E3 Sunday, January 16/17: 40-~~17~~: 17:55 / Clear - f (818) /  
Pegasus - 55 <sup>7x50 binocs</sup> 6x / - / Jupiter, Venus, CN-I,  
Constellation - I.

1113E4 16/18: 30-18: 45 / Mainly cloudy - f (818) / Pegasus,  
55.6p, 235.5p / - / Jupiter.

~~1114E5 16/19: 20: 15-20: 25~~

1114E5 16/20: 15-20: 25 / Partly Cloudy - f (818) / 7x50  
binocs / - / CN-I (first check of Area 419), Aurora - I.

1115E ~~17~~ Monday, Jan. 17 / partly cloudy - f (Michael  
Bibaud Ave.) / - / - / 22: 30-22: 35 / CN-I,  
Aurora - I.

\* 1116M Tuesday, Jan. 18 / ~~Clear~~ 06: 50-06: 53 / Clear - f (818) /  
- / - / CN-I - first check (official) of "twilight horizon"

1117MS Friday, Jan. 21 ~~18~~ / 08: 15-08: 20 / Clear - f (818) / Solar  
Glasses / - / Osprey.

1118S2 Fri, Jan. 18 / 08: 35-08: 40 / Clear - f (Western Ave.) / - / - /  
CN-I.

1119E Saturday, Jan. 22 / 20: 00-20: 15 / Mainly Clear -  
f (818) / 7x50 binoculars / Sammy Morgutis /  
CN-I - Aurora - I / Place: 818 + St Joseph's  
Oratory + Kingston Road.

1120M Sunday, Jan. 23 / 00: 50-00: 52 / Extremely  
hazy (H3-D) - unf (818) / - / - / Aurora - I.

1121E Fri Mon Jan. 24 / 21: 20-21: 21 / ~~Clear~~ Cloudy -  
unf (818) / - / - / Aurora - I.

1122M Tuesday, Jan. 25 / 06: 40-06: 41 / Clear - f (818) / - / - /  
CN-I.



- 112352 Tuesday, Jan. 25 / 08:10-08:15 / Clear - f (Upper Belmont Ave. <sup>Edgehill Rd</sup>) / Solar Glasses / - / Ospots, CN-I.
- 11248E3] 25 / ~~15~~ 16:55-17:00 / Clear - f (Upper Belmont Ave.) / - / - / CN-I.
- 1125E4 25 / ~~16:55~~ ~~17~~ 18:50-18:55 / <sup>2</sup> Clear - f (818) / 7x50b / Lise Legault / CN-I, Aurora-I.
- 1126E5 25 / 19:05-19:07 / ~~Clear~~ <sup>2</sup> Clear - f (818) / - / - / Aurora-I.
- 1127E6 25 / 19:30-19:32 / Clear - f (818) / - / - / Aurora-I.
- 1128E7 25 / 23:35-23:40 / ~~at~~ <sup>2</sup> Clear - f (818) / 7x50b / - / CN-I, Aurora-I.
- 1129M 2 Wednesday, January 26 / 02:25-02:27 / ~~2~~ <sup>Very</sup> Clear - f (818) / - / - / Aurora-I.
- 1130M2 26 / 07:12-07:14 / Clear - f (818) / - / - / CN-I.
- 113153 26 / 08:15-08:17 / Clear - f (818) / - / Solar glasses / Ospots.
- 1132E4 26 / ~~16:35~~ ~~16~~ 16:55-17:00 / ~~Clear~~ <sup>hazy</sup> - f (Park near 818) / - / - / CN-I.
- 1133E5 26 / ~~16:55~~ 18:50-18:55 / Mainly Clear - f (818) / - / 7x50b / CN-I, Aurora-I.
- 1134E6 26 / 20:57-20:59 / Clear - f (818) / - / - / Aurora-I.
- 1135M ~~Wed~~ Thursday, Jan. 27 / 04:40-04:43 / Very hazy - f (818) / - / - / CN-I, Aurora-I (at least 90° below 0)
- 1136M2 27 / 05:05-05:07 / Very hazy (clear around Ursa Major) - f (818) / 7x50b / - / CN-I, Aurora-I (at least 90° below 0)
- 113753 27 / ~~08~~ 12:35-12:40 / Mainly Clear - f (Westmount High School) / Solar Glasses / - / Sunspot-II, CN-I.
- 1138M ~~28~~ ~~12:35~~ Friday, 28 January 28 / Hazy - Very hazy / f (818) / 7x50b / - / CN-I, Aurora-I. 01:37-01:42.



EST

- 1139S2 Friday, January 28/08:15-08:17/Ch Padla  
hazy-f(818)/Solar glasses/1-Sunspot-II.
- 1140S Saturday, Jan. 29/10:45-10:50/Ch Very hazy-  
f(818)/+ Discoverer, Solar glasses/1-Opote-  
Sunspot-II, <sup>quite</sup>
- 1141S2 29/13:15-13:17/Ch Clear-f(Roslyn Ave)/-1-1  
CN-I.
- 1142E3 29/16:50-16:53 <sup>quite</sup>  
~~16:55-16:58~~/Clear-f(Victoria Ave)/-1-1  
CN-I.
- 1143E4 29/18:05-18:08/Ch <sup>quite</sup> Clear-f(818)++  
7x50b/-/CN-I, Aurora-I
- 1144E5 29/19:20-19:25/Ch <sup>quite</sup> clear-f(818)/7x50b/-/  
CN-I.
- 1145E6 29/19:40-19:45/Ch <sup>quite</sup> Clear-f(~~818~~)<sup>St. Joseph Cemetery</sup>/-1-1  
CN-I, - Aurora-I.
- 1146E7 29/20:45-20:55/Ch Clear-f(RASC)/6" refractor  
#7, M-42f general const. obs./other people.
- 1147E8 29/22:00-22:40/Ch Clear-f(RASC)/6" refe/  
Mark Pomerantz, R. Ballantyne and others/  
general obs.
- 1148E9 29/22:45-23:25/Ch Slightly hazy, then  
hazy, then very hazy f(818)/Ch Pegasus, +  
7x50b/-/Ceryy/CN-I - Drawing of ?
- 1149E Sunday, January 30 - cloudy  
Monday, Jan. 31/18:55-19:00/Hazy - partly  
cloudy-f(818)/7x50b/-/CN-I, Aurora-I

~~1150S Tuesday~~



EST

FEBRUARY

1150S Tuesday, February 1/17 12:35-12:38 / Hazy - f (Westmount High School) / Solar Glasses / - / Sunspot-II.

~~1151M W-F~~

Wednesday, Feb. 2 - cloudy

1151M Thursday, Feb. 3 / Hazy - partly cloudy / - ~~clear~~ f (818) /  
 ⇒ 7x50b / - / Aurora - I. (01:15-01:20)

1152S Feb. 3 / Hazy 12:30-12:35 / - 13:05-13:10 / Hazy - f  
 (Westmount High School) / 7 Solar Glasses, Ranger /  
 - / Sunspot-II.

~~##~~ Feb. 4 - Friday — cloudy (for practical purposes).

1153S Saturday, Feb. 5 / 10:50-11:00 / Clear - f (818) / Discoverer, 40p  
 - Solar Glasses / - / Sunspot-II (Ospots NE; 1 with Discov.).

1154S<sup>2</sup> Saturday, 5 / <sup>9</sup> 13:30-13:32 / Clear - f (Upper Belmont  
 -corner - Edgemoor) / - / - / CN-I<sub>10:00</sub>

1155S Sunday, 6 / ~~17~~ 09:40-~~09:50~~<sup>10:00</sup> / Clear - f (818) / ~~==~~  
 Pegasus, 55.6x, 6x30 monocular, f Ranger / - / Sunspot-II.  
 (1 spot).

1156S<sup>2</sup> 6 / ~~17~~ 17:45-17:50 / ~~17:35-17:45~~ / Clear 13:30-13:33 / Clear - f  
 (Corner - Upper Belmont Ave + Edgemoor Road) / - / - /  
 CN-I.

1157E3 6 / 17:35-17:45 / Quite Clear - f (Upper Belmont Ave) / - / - /  
 CN-I.

1158E4 6 / 17:54-17:59 / Quite Clear - f (818) / (7x50 binocs) / - /  
 CN-I.

1159E5<sup>4</sup> 6 / ~~18~~ 19:00-19:05 / Quite Clear - f (818) / 7x50b / - /  
 CN-I, Aurora - I.



Session Pos (e.g. E6, - M7) start at noon  
from now on - not at midnight.

EST

- 1160B Sun., Feb. 6/7/23:05-23:10 / Clear-f (818) / 7x50  
binocs / — / CN-I, Aurora-I.
- ~~1161E7 Sunday, February 6/7~~
- 1161M7 Monday, February 7/6/7. 6/7 / 00:50-00:55 /  
Clear-f (818) / — / CN-I, Aurora-I.
- 1162S8 <sup>Sun</sup> Mon, Feb. 6/7 / 07:05-07:08 / Clear-f (818) /  
— / CN-I.
- 1163S9 Feb. 7 / 08:10-08:15 / Clear-f (818 - + corner Upper  
Belmont Ave + Edgehill Road) / — Solar glasses / — /  
CN-I, Sunspot-II.
- 1164S10 Feb. 7 / 10:40-10:45 / Clear-f (Westmount High School) /  
6x30 monocular / — / Sunspot-II.
- 1165E Feb. 7/8 / 17:45-17:55 / Clear-f (Upper Blmt. Ave) <sup>+818</sup> / — /  
CN-I.
- 1166E2 Feb. 7/8 / 18:50-18:55 / Clear-f (818) / 7x50b / — /  
CN-I, Aurora-I.
- #1167E3 Feb 7/8 / 19:42-19:43 / Clear-f (818) / — / Aurora-I.
- 1168E4 Feb. 7/8 / ~~22:50-22:55~~ / Clear 22:45-22:50 /  
Clear-f (818) / 7x50 binocs / — / CN-I, Aurora-I.
- 1169M5 Feb. 7/8 / 01:37-01:40 / <sup>mainly</sup> Clear-f (818) / — / CN-I, Aurora-I.
- 1170M6 Feb. 7/8 / 07:03-07:05 / clear-f (818) / — / CN-I
- 1171M7 Feb. 7/8 / 08:10-08:17 / clear-f (818 - then Upper Belmont,  
+ Edgehill) / — Solar Glasses / — / Sunspot-II,  
CN-I.
- 1172S8 Feb. 8 - Tuesday / 10:40-10:45 / Clear-f (Westmount  
High) / 6x30 + telescope / — / Sunspot-II.
- 1173E Tuesday Feb. 8/9 / 17:15-17:20 / Clear-f (Upper



EST

Belmont Ave.) / - / - / CN-I.

1174E2 Feb. 8/9 / 17:55 - 17:58 / Clear - f (818) / 7x50b / - / CN-I.

1175E3 Feb. 8/9 / 18:50 - 19:00 / Clear - f (818) / 7x50 binocs / - / CN-I, Aurora-I.

1176E4 Feb. 8/9 / 20:00 - 20:01 / Clear - f (818) / - / - / Aurora-I.

1177E5 Feb. 8/9 / 22:50 - 22:55 / Hazy - f (818) / <sup>7x50</sup> / - / CN-I, Aurora-I.

1178E Feb. 9/10 / 20:35 - 20:45 / ~~Clear~~ <sup>VERY!</sup> slightly hazy - f (818) / 7x50 binocs / - / CN-I, Aurora-I.

1179E2 Feb. 9/10 / 22:25 - 22:26 / Clear - f (818) / - / - / Aurora-I.

1180E3 Feb. 9/10 / 22:50 - 22:51 / Clear - f (818) / - / - / Aurora-I.

1181M4 Feb. 9/10 / 00:10 - 00:15 / Partly Cloudy - f (818) / - / - / CN-I, Aurora-I.

1182M5 Feb. 9/10 / 01:43 - 01:45 / ~~Slight~~ Partly Cl - f (818) / - / - / Aurora-I.

1183M6 Feb. 9/10 / 07:03 - 07:05 / Hazy (slightly) - f (818) / - / - / CN-I.

1184S Feb. 10/11 / 10:43 - 10:48 / Mainly Clear - f (Westmount High School) / Alouette, Solar Classes / - / 9 Sunspot-II.

1185S Feb. 11/12 / 12:35 - 12:40 / Clear - f (Westmount High School) / Alouette / others / O spots.

1186E2 Feb. 11/12 / 17:45 - 18:00 / Clear Mainly clear - f (Lansdowne Ridge - 818) / 7x50b / - / CN-I.

1187E3 Feb. 11/12 / 19:05 - 19:10 / Clear - f (818) / <sup>7x50</sup> / - / CN-I, Aurora-I.

1188E4 Feb. 11/12 / ~~20~~ 19:40 - 19:42 / Clear - f (818) / - / - / Aurora-I.

1189E5 Feb. 11/12 - Friday / 20:00 - 20:02 / ~~Clear~~ <sup>slightly</sup> (near Westmt. City Hall) / - / - / Aurora-I.



EST

- 1190E6 Friday, February 11/12 / 21:15-21:20 / Clear-f  
(8 near Wsmt City Hall, along - Argyle Ave. ) / - / - /  
Aurora-I.
- 1191E7 Feb. 11/12 / 21:21:45-21:47 / Clear-f (818) / - / - / Aurora-I.
- 1192E8 Feb. 11/12 / 22:00-22:01 / ~~Clear~~ Hazy-f (818) / - / - /  
Aurora-I.
- 1193E9 Feb. 11/12 / 22:30-22:31 / Clear-f (818) / - / - / Aurora-I.
- 1194E10 Feb. 11/12 / 22:55-23:05 / Clear-f (St Joseph's  
Oratory) / 7x506 / - / CN-I, Aurora-I.
- 1195E11 Feb. 11/12 / 23:22-23:23 / ~~Clear~~ Mainly Clear-f (818) /  
- / - / Aurora-I.
- ~~1196E12 Feb. 11/12 / 23~~
- 1196M12 Feb. 11/12 / 00:23-00:25 / Partly Cloudy-f (818) / - / - /  
Aurora-I.
- 1197M13 Feb. 11/12 / 05:25-05:30 / Clear-f (818) / - / - /  
CN-I, Aurora-I.
- 1198M14 Feb. 11/12 / 07:13-07:15 / Clear-f (818) / - / - / CN-I.
- 1199M15 Feb. 11/12 / 10:45-10:50 / Clear-f (Corner of Strathcona  
Ave + Cote St. Antoine) / - / - / CN-I.
- ~~1199M16~~ ( Feb. 12 / 11:25-11:30 / Clear-f (818) / Solar Glasses,  
1200M16 } Discoverer / - / Sunspot-II (0 spots).
- 1201E Feb. 12/13 / 17:55-18:00 / Clear-f (818 - corner of  
Upper Blmt + Jansd. Ridge) / 7x506 / - / CN-I
- 1202E2 Saturday, Feb. 12/13 / Clear-f (818) / +7x506 / - /  
CN-I, Aurora-I, satellite observation 4. 19:05-  
19:17. 19:20.
- ~~1203E3~~



EST

- 1203E3 Saturday, Feb. 12/13 / 21:00-22:00 / Clear - f(818) / Pegasus  
- 86.7x, 235.5x / - / Jupiter drawing, First timing  
of Roemer's Experiment - I used Europa.
- ~~1204~~ 1204E4 Feb 12/13 / 22:05-22:07 / Clear - f(St. Joseph's Oratory) /  
- / - / Aurora-I.
- 1205E5 Feb. 12/13 / 22:45-22:50 / Clear - f(RASC) / 6" re - 150p /  
H. Simkover, C. Jorgensen, others / Uranus.
- 1206E6 Feb. 12/13 / 23:35-23:37 / Clear - f(St. Joseph's Oratory) /  
- / - / CN-I, Aurora-I.
- 1207E7 Feb. 12/13 / 23:45-01:10 / Clear - f(818) / Pegasus - all but  
highest p / - / Jupiter - 19 (Roemer's Expt.) f D, S, - 7 failed - failed  
to separate Castor f CN-III, CN-I, Aurora-I.
- ~~1208~~ Sunday, February 13/14 / Cloudy.
- 1208E8 Monday, Feb. 14 / 12:35-12:45 / Slightly hazy - f(~~818~~ Westmount  
High School) / - / Alouette / Hugh Berwick / Sunspot - II. CN-I.
- 1209E2 Feb. 14/15 / ~~16:50-16:55~~ 16:45-16:50 / Clear - f(Westmount  
Public Library) / Solar Glasses / - / Sunspot - II. / Happy  
Valentine's Day!
- 1210E3 Feb. 14/15 / 17:50-17:55 / Clear - f(Upper Belmont Ave., Corner  
Upper Belmont + Lansdowne Ridge; 818) / 7x 50b / - / CN-I.
- 1211E4 Feb. 14/15 / 18:45-18:50 / Clear - f(818) / 7x 50b / - /  
CN-I, Aurora-I.
- 1212E5 Feb. 14/15 / 20:20-20:25<sup>quite</sup> / Clear - f(818) / 7x 50b / - /  
CN-I, Aurora-I.
- 1213E6 Feb. 14/15 / 23:15-23:20<sup>quite</sup> / Clear - f(St. Joseph's Oratory) /  
- / - / CN-I, Aurora-I.
- 1214M7 Feb. 14/15 / 01:20-01:23 / Clear - f(818) / - / - / CN-I, Aurora-I.



EST

- 12155 Tues., Feb. 15 / ~~12:35~~ 12:43 / Clear-f (Westmount High School) / 7 P<sub>g</sub> Alouette k - Solar Glasses (Chris. Brooker) Sunspot-II, CN-I.
- 1216E2 Feb 15/16/20:45-20:50 / <sup>quite</sup> Clear-f (818) / 7x50b / - / ~~8~~ CN-I, Aurora-I.
- 1217E3 Feb. 15/16 / 21:05-21:06 / <sup>quite</sup> Clear-f (818) / ~~7x50b~~ / - / - / Aurora-I.
- 1218E4 Feb. 15/16 / 21:30-21:31 / ~~Clear~~ <sup>quite</sup> Clear-f (818) / - / - / Aurora-I.
- 1219E5 FEB. 15/16 / 23:20-23:25 / Clear-f (818) / - / - / CN-I, Aurora-I.
- 1220E6 Feb. 15/16 / 23:45-23:50 / Clear-f (818) / 2 pairs of small binocs - 1 very poor pair, ~~2.5x~~ one 2.5x / - / Aurora-I. Instrument Test.
- 1221M7 Feb. 15/16 / 00:00-00:05 / Clear-f (818) / 3x26 binocs / - / Aurora-I, & Instrument test.
- 1222M8 Feb. 15/16 / 05:25-05:38 / Partly Cloudy-f (818) / - / - / CN-I, Aurora-I.
- 1223M9 Feb. 15/16 / 06:21-06:22 / Clear-f (818) / - / - / CN-I.
- 1224S10 ~~Feb. 15/16~~ / Feb. 16 / 08:15-08:17 / Clear-f (818) / Solar Glasses / - / ~~Auro~~ Sunspot-II.
- 1225S11 Feb. 16 / 08:45-08:50 / Clear-f (Westmount High School) / - / - / CN-I.
- 1226M8 Feb. 16/17 / 05:30-05:45 / Clear-f (818) / 7x50b / - / CN-I, Aurora-I.
- 1227M2 Feb 16/17 - Thursday / 06:28-06:30 / Clear-f (818) / - / - / CN-I.
- 1228S3 ~~Thursday~~ Feb. 17 / 08:10-08:17 / Clear-f (818) / former of



Upper Belmont Ave. + Edgehill) / Solar Glasses / - / Sunspot - II,  
Sunspot CN-I.

- 1229S Thursday, Feb. 17/18/12:30-12:40 / Clear - f (Westmount High School) / Alouette / - / Sunspot - II.
- 1230E2 Thursday, Feb. 17/18/18:00-18:03 / Clear + mainly f (8 Corner Up Blmt + Lansd. Ridge) / - / - / CN-I.
- 1231E3 Thurs, Feb 17/18/18:40-18:55 / Clear - f (818 - Partly Cloudy - f (818) / 7x50b / - / CN-I, Aurora - I
- 1232E4 Feb. 17/18/21:15-21:20 / Clear - f (818) / 7x50b / - / CN-I, Aurora - I.
- 1233E5 Feb. 17/18/23:10-23:13 / Slightly hazy - f (818) / - / - / CN-I, Aurora - I.
- 1234M6 Feb. 17/18 - Friday / 05:25-05:30 / Clear - f (818) / 7x50b / - / CN-I, Aurora - I.
- 1235M7 Friday, Feb. 17/18/06:43-06:45 / Clear - f (818) / - / - / CN-I.
- 1236S8 Feb. 18/08:15-08:22 / Clear - f (818, corner Up Blmt - Edgehill) / Solar G's / - / Sunspot - II, CN-I.
- 1237S9 Feb. 18/10:42-10:48 / Clear - f (Westmount High School) / Alouette / - / Sunspot - II
- 1238E Feb 18/19/18:00-18:05 / Clear - f (corner Up Blmt - Lans. R.) / - / CN-I. / partly cloudy near horizon.
- 1239E2 Feb. 18/19/19:05-19:10 / Very hazy - f (818) / <sup>7x59</sup> / - / Aurora - I.
- 1240E3 Feb. 18/19/19:45-19:55 / Clear - f (818) / 7x50b / Carl Sorensen / CN-I, Aurora - I
- 1241E4 Feb 18/19/21:23-21:24 / Clear - f (chez Tom Meyer) / - / - / Aurora - I
- 1242E5 Feb. 18/19/22:45-23:00 / Clear - f (Towers Apt. Rd) / <sup>proximity</sup> / 7x50b / Carl Sorensen / CN-I, Aurora - I.



EST

- 1243E6 \$ Friday, Feb. 18/19 / Clear-f (St Joseph's Oratory) /  
23:30-23:35 / - / - / Aurora-I.
- 1244M7 Saturday, 18/19 / 00:30-00:31 / Clear-f (818) /  
- / - / Aurora-I.
- 1245M8 Sat., Feb. 18/19 / 05:30-05:35 / Mainly Clear-f (818) / 7x50b /  
- / CN-I, Aurora-I
- 1246M9 Feb. 18/19 / 06:33-35 / Clear-f (818) / - / - / CN-I.
- 1247SD Feb. 19 / 10:45-10:55 / Et Hazy-f (818) / - / Discoverer,  
Sol. Glass / Sunspot-II.
- 1248E Feb. 19/20 / 18:05-18:10 / Clear-f (818) / - / - / CN-I (Corner  
Up Blmt, Trans. R.).
- 1249E2 Feb. 19/20 / 22:05-22:20 / Slightly hazy-f (RASC) / - /  
7x50b, 6"rr / C. Jorgensen, Constantine Papacostas, S. Margulis,  
Ken Melville, S. Simon, Boyd Ramsay, Leo Rikkinen  
and others / (A) M-44 (Praesepe Cluster) / - / CN-I,  
Aurora-I.
- 1250E3 Feb. 19/20 / 23:45-23:47 / Clear-f (818) - very cold (-10°F) /  
+ 7x50b / S. Margulis / Aurora-I.
- 1251M4 Feb. 19/20 / 01:10-01:15 / Clear-f (818) / - / - / CN-I, Aurora-I  
February 20/21 - Sunday Night - Cloudy.
- \* 1252E Feb. 21/22 / 21:00-21:15 / Clear-f (818) / 7x50b / - /  
"VS-IV" Minimum of Algol - first estimate. CN-I,  
Aurora-I.
- 1253E2 Monday, Feb. 21/22 / 21:40-21:45 / Clear-f (818) / 7x50b /  
- / VS-IV, Aurora-I.
- 1254S Tuesday, Feb. 22 / 10:40-10:45 / Clear / Partly Cl-f (WAS) /  
Solar glasses / - / Sunspot-II.



EST

- 1255E2 Feb. 22/23-Tuesday / 17:50-17:52 / Partly Cloudy - f (818) /  
- / - / CN-I.
- 1256E2 Feb. 22/23 / 20:40-20:55 / Clear - f (818) to Michael  
Bibaud ) / 7x50b / - / CN-I, Aurora-I.
- 1257E3 Feb. 22/23 / 21:15-21:30 / Clear - f (M. Bibaud to 818) / 7x50b /  
- / Aurora-I.
- 1258E4 Feb. 22/23 / 21:58-22:01 / Clear - f (818) / - / - / Aurora-I.
- 1259E5 Feb. 22/23 / 22:14-22:16 / Clear - f (818) / - / - / Aur. I.
- 1260E6 Feb. 22/23 / 22:33-22:35 / ~~Clear~~ Clear - slightly hazy - f (818) /  
- / - / Aurora-I.
- 1261S Feb. 23/~~22~~:15:50-15:55 / 15:50-16:05 / Clear - f (WHS  
and W. Smith Park) / - / Solar Glasses, Alouette / Sunspot-II,  
CN-I.
- 1262E2 Wednesday February 23/24 / 17:55-18:00 / Clear - f (corner  
Up. Blmt + Land. Ridge) / - / - / CN-I.
- 1263E3 Feb. 23/24 / 18:30-18:35 / Clear - f (818 + vicinity) / - / - / CN-I,  
Aurora-I.
- 1264E4 Feb. ~~23~~/24 / ~~20~~ 19:45-19:55 / Clear - f (818) / 7x50b / - /  
CN-I, Aurora-I.
- 1265E5 Feb. 23/24 / 22:15-22:17 / Clear - f (818) / - / - / Aur. I.
- 1266E6 23/24 / 23:00-23:02 / Clear - f (818) / - / Tom Meyer / Aurora-I.
- 1267E7 23/24 Feb. / 23:20-23:23 / Clear - f (818) / - / - / CN-I,  
Aurora-I.
- 1268E8 Feb. 23/24 / 23:35-23:37 / Clear - f (818) / - / - / Aurora-I.
- 1269M9 Feb. 23/24 / 00:00-00:02 / Clear - f (818) / - / - / Aurora-I.
- 1270M10 Feb. 23/24 / 05:25-05:31 / Clear - f (818) / 7x50b / - / CN-I, Aurora-I.  
Altair.



EST

- 1271 M Feb. 23/24 Thursday / Ob: 20-06:21 / Partly Cloudy - f (818) / - / - / CN-I.
- 1272 S12 Feb. ~~23~~ 24 / 08:05-08:10 / Clear - f (Upper Blmt. Ave) / Solar Glasses - / - / Sunspot II, CN-I.
- 1273 S Feb. 24 / 12:30-12:40 / Clear - f (Westmount High) / Alouette<sup>others</sup> - / Sunspot - II (1 spot!)
- 1274 E2 Thursday, Feb. 24/25 / ~~18:03-18:05~~ / 18:05-18:07 / Clear - f (818 + vicinity) / - / - / CN-I
- 1275 E3 Feb. 24/25 / 18:57-19:05 / Clear - f (818) / 7x50b / - / CN-I, Aurora-I
- 1276 E4 Feb. 24/25 / 19:33-19:35 / Quite Clear - f (818) / - / - / Stray meteor in S mag,  $\rightarrow$  O, Aurora-I
- 1277 E5 Feb. 24/25 / 20:05-20:07 / Quite Clear - f (818) / - / - / Aurora-I
- 1278 E6 Feb. 24/25 / 21:00-21:02 / Clear - f (818) / - / - / Aurora-I
- 1279 E7 Feb. 24/25 / ~~21:30-21:32~~ / 21:32-21:34 / Clear - f (818) / - / - / Aurora-I
- 1280 E8 / 23:50-00:00 / Quite Clear - f (Oratory) / - / - / Aurora-I, CN-I
- 1281 M9 / ~~01:20-01:19~~ / 01:20 / Clear - <sup>slight hz</sup> f (818) / - / - / Aurora-I.  
E Feb. 25/26 / - Cloudy
- 1282 M Feb. 25/26 / 05:30-05:40 / Hazy - <sup>+ pttis cloudy</sup> f (818) / - / - / 7x50b / - / CN-I, Aurora-I.
- 1283 M2 Feb. 25/26 / 06:00-06:02 / Mainly clear - f (818) / - / - / CN-I.
- 1284 S3 Feb. 26 / 10:15-10:25 / Clear - f (818) / Discoverer - 40? p, Solar Glasses / - / Sunspot - II (3 spots); CN-I.



EST

1285E2 1 Saturday, February 26/27/18:20-1900/Clear-f  
(818+ Vicinity to Macy Rest. on Sherbrooke St)/  
7x50b/4 S. Morgulis (CN-I, general obs.

20:1286E3 12045-2050/Clear-f (818 RASC) /-/-/CN-I,  
Aurora-I.

1287E4 12300-2305/Clear-f (RASC) /-/-/Aurora-I.

1288E5 100:30-00:35/Quite Clear-Very Clear f (Oratory)/  
-/-/CN-I, Aurora-I

1289M6 106:20-06:22/Clear-f (818) /-/-/CN-I.

\* 1290S7 Sunday, Feb. 27/Clear-f (818) /0845-0945/Geo. Peg-  
aww, 55.6x, 86.7x, 235.5x + Solar Glasses /-/-/  
Sunspot-II (drawings made) detail drawings on new  
forms, new methods - CN-I

1291E Sunday, Feb. 27/28/17:45-17:50/Geo. Mainly Clear-f  
(West Summit) /-/-/Clipper /CN-I

1292E2 120:15-2020/Clear-f (818) /7x50b/-/CN-I, Aurora-I

1293E3 123:30-23:35/Slight fog (ORATORY) /-/-/Aurora-I CN-I

1294S4 Monday, Feb. 28/1045-1047<sup>Partly</sup> Clear-f (Westmount  
High) /-/-/Ato ~~Alouette~~ Solar glasses /-/-/SSII.

1295S5 Monday, Feb. 28/1230-1240/Clear-f (WHS) /Alo-  
ette /-/-/Sunspot-II, CN-I.

Feb. 28/29 - cloudy

SUMMARY  
FOR FEB '66

LIST OF OBSERVATIONS

JUPITER DRAWINGS	1
SAT. PHEN.	2
LUNAR	0
NEW MESSIERS	0
REG. DRAWINGS	0
METEOR SESSAS	0
FIREBALLS	0
OCCULTATIONS	0
SUNSPOT-II	38
CN-I	148
CN-III	1
AURORA-I	84
VS-IV	2
CONST.-I	0
DOUBLE STARS	1

Total

Total Observation Sessions: (approx.)

Sessions 146

Solar: 30

Observations 277

Evening: 82 } approx.

Morning 30

Total: 146

TOTAL NO. OF OBSERVATIONS  
FOR FEBRUARY 1966

277

errors in counting I'm sure



MARCH 1966

EST

~~Monday~~ <sup>Tuesday</sup> Morning, March 1/2 / Cloudy

12969 ~~Tuesday~~ Wednesday, March 2 / 1230-1235 /  
Partly Cloudy-f (WHS) /  $\neq$  Alouette / other person  
Ospots NE - Sunspot - II

129792 1515-1520 / Clear-f (Westmount High School) /  
Alouette / - / Sunspot - II

129893 1545-1547 / Clear-f (Vicinity 818) / - / - / CN-I

1299 ~~MA~~ 00:35-0045 / Clear-f (818) / ~~7x50b~~ / Mr. Bronfman /  
Aurora-I, CN-I

130095 Thursday, March 3 / 1040-1045 / Clear-f (WHS) /  
Alouette, Solar Glasses / Sunspot - II, CN-I

1301E March 3/4 / 1755-1757 / Partly Cloudy-f (Tower Aipt) /  
- / Mother, Father / CN-I

1302E2 + 2100-2110 / <sup>very</sup> Hazy-f (818) / 7x50b / - / Aurora-I,  
CN-I. Lunar Halo

1303 ~~AS~~ March 4/2 0955-1020 / Clear-f (818) / 7x50b + Pogoras  
-55.6x, Solar glasses / Gerry / Sunspot - II

### Reorganization

"L" Sessions will be called "S" Sessions  
"P" (for "petit") denotes a session that  
lasts 10 min. or less

Also the place has its own bracket; e.g.  
1900-1902 / Clear-f / 818 / 7x50b



EST

March 4/5 / Cloudy

March 5/6 / Cloudy

March 6/7 / Cloudy

1304 SP Monday, March 7 / ~~6~~ 1615-1620 / Clear - f (818) /  
7x50b Solar Glasses / - / Osports either way -  
Sunspot - II.

1305 EP2 Mon, March 7/8 / 2030-2035 / Clear - f / Roof of  
Towers Apt / - / - / CN-I, Aurora-I

1306 EP3 2050-2055 / Partly cloudy - f / 818 / 7x50b / - / CN-I.

1307 EP4 2200-2202 / Clear - f / ~~no~~ St. Joseph Oratory / - / - /  
Aurora-I.

1308 EP5 2325-2330 / Clear - f / 818 / - / - / CN-I, Aurora-I.

1309 SP Tues, Mar. 8 / 1310-1315 / Clear - f / WHS / ~~f~~  
Alouette, Solar Glasses / others / CN-I, Sunspot - II.

1310 EP2 Tues, 8/9 / 1800-1802 / Clear - f / 818 + vicinity / ~~Clear~~ - / - /  
CN-I.

1311 EP3 1930-1935 / Clear - f / 818 / 7x50b / - / CN-I, Aurora-I

1312 EP4 2030-2035 / Quite Clear - f / Towers Roof / - / - / CN-I,  
Aurora-I.

1313 EP5 2050-2052 / Clear - f / 818 / - / - / Aurora-I.

1314 MP6 0605-0606 / Clear - f / 818 / - / - / CN-I.

1315 S Wed, Mar. 9 / 1640-1655 / Clear - f / 818 / Alouette, Solar  
Glasses / - / Sunspot - II

1316 EP2 March 9/10 / 1930-40 / Clear - f (818) / 7x50b /  
Louie Bernstein / CN-I, Aurora-I.

1317 EP3 1945-1947 / Clear - f (Grandpa's apt. Rf) / - /  
- / Aurora - I, CN-I.



EST

- 1318BEP4 Wed. March 9/10/ 2045-2050/ Clear-f/Towers  
Apt. Roof / - / ~~st~~ Gerry / Aurora-I
- 1319SP Thursday, March 10/ 1650-1655/ Clear-f/818/  
- / - / Alouette, Solar Glasses / - / Sunspot-II
- 1320EP2 March 10/11/ 1945-1947/ Clear-f/818+ven/  
- / - / Aurora-I.
- 1321EP3 2115-2145/ Clear-f/way between St Cath. St +  
818/ - / - / Aurora-I.
- 1322EP4 2305-2310/ Clear-f/818/7x50b/- / CDT,  
Aurora-I.
- 1323SP Friday, Mar. 11/ 1450-1455/ Clear-f (Boulevard  
corner Edgehill - Sydenham) / Solar Glasses /  
Grandpa / Sunspot-II
- 1324SP2 151630-1635/ Clear-f/818/Alouette / - / Sunspot-  
II.
- ~~1325~~ 1325SP3 (should be before 1324) / 1510-1515/ Clear-f / (818+ven) / - / - /  
CN-I.
- 1326EP4 Mar. 11/12 / 1845-1847/ Clear-f / (818) / - / family / Aurora-I.
- 1327E5 Friday, March 11/12 / 2200-2335/ Clear-f / 818/Pegasus -  
55.6, 86.7p + 7x50b/Carl Jorgensen, Gerry / Castor, Pollux,  
54 Leonis. & New Messiers: 65, 66. ~~ET~~ Also Kappa Gem-  
inorum, CN-I, Aurora-I, ~~New Constellations Corvus,~~  
~~Corvus, Hydra.~~
- 1328M6 0000-0035/ Quite Clear-Clear-f / St. J. Oratory - 818 /  
7x50b/ Carl Jorgensen / CN-I, Constellation-I (Corvus, Hydra),  
Aurora-I.



EST

1329MP7 March 11/12/0100-0105 / Clear - f / 818 / 7x50b / Carl Jorgensen /  
CN-I, Aurora-I.

1330MP8 March 11/12/0220-0222 / Slightly hazy - f / 818 / — / — /  
Aurora-I.

March 12/13 - cloudy

March 13/14 - clear, no observations made.

1331S ~~At~~ Monday, March 14 / 13:20-13:40 / Clear - f / 818 / Pegasus,  
55.6x, Solar glasses / — / Spots (Sunspot - II.)

1332 ~~EP2~~ March 14/15 / 2147-2153 / Clear - f / 818 / 7x50b /  
— / CN-I, Aurora-I

1333SP3 (should be before 1332) / 1830-1833 / Clear - f / 818 / — / CN-I.

1334EP4 (should be before 1332 + after 1333) / 2130-2132 / Clear - f /  
1 Metcalfe St / — / — / Aurora-I.

1335EP5 2213-2215 / Slightly hazy - f / 818 / — / — / Aurora-I.

~~1336MP6~~ 0545-0546 / Clear - f / 818 / — / — / CN-I.

1337SP <sup>Mon</sup> 15 / 1550-1600 / Clear - f / 818 / — / — / So Alouette,  
Solar Glasses / — / Sunspot - II



EST

1338 SP2 March 15/16 - Tuesday / 1725-1728 / Clear - f / 818 /  
- / - / CN-I.

1339 EP3 1900-1905 / Clear - f / 818 + over / - / - / CN-I.

1340 EP4 1930-1932 / Clear - f / 818 / - / - / CN-I,  
Aurora - I.

1341 EP5 2115-2117 / Clear - f / Metcalfe St / - / - / Aurora - I.

1342 EP6 2125-2132 / Clear - f / corner Blvd, Edgely, Rosslyn /  
- / - / turning on Echo - I.

1343 EP7 2245-2255 / Clear - f / 818 / 7x506 / - / CN-I,  
Aurora - I.

1344 MP8 0010-0013 / Clear - f / 818 / 7x506 / - / Aurora - I, CN-I.

1345 MP9 0610-0612 / Clear - f / 818 / - / - / CN-I.

1346 S10 March 16, Wednesday / 1015-1050 / Clear - f / 818 /  $\Rightarrow$   
Pegusus, 55.6x, 235.5x, Solar Glasses / - / 2 Sunspot - II -  
2 spots - 1 really dark group.

1347 SP 1350-1355 / Clear - f / 818 / - / - / CN-I.

1348 EP2 March 16/17 / 1723-1725 / Clear - f / 818 + over / - / - / CN-I.



EST

1349EP4 March 16/17/1930-1933/Clear-f/1818/-1-/Aurora-I.

1350EP5

2045-2030-2033/Clear-f/Metcalf St/  
-1-/Aurora-I.

1351E6

2040-2100/Clear-f/Lansdowne Ave to 818/-1-/  
Echo-II. Aurora-I.

1352EP7

2255-2302/Clear-f/1818/7x50b/-1/CD-I,  
Aurora-I.

Thursday March 17/18 -cloudy.

1353S

Friday, March 18/1610-1640/<sup>slightly hazy</sup>Clear-f/1818/Solar Glasses-f/  
Pegasus-55. 6x/2 others/Sunspot II (O spots NE-  
14 spots telescopic.)

1354E2

March 18/19/2145-2315/~~Hazy~~ Slightly Hazy-f/1818/7x50b,  
Pegasus, 55. 6x, 86. 7x/Carl Jorgensen, Steven Simon,  
Star Jiger / Arcturus, 8 3 Leonis 5 4 Leonis. (DS-9)//  
CN-I, Aurora-I.

1355SP

Saturday, March ~~20/21~~<sup>19/20</sup>/1350-1355/~~Clear~~ ~~Very~~ Mainly  
Cloudy-wnf/Papineau St/Solar Glasses/Gammy  
Morgulis/O spots - unofficial (through thick haze around  
Sun).



EST

135652

1530-1550 / Clearing - f / Expo '67 observation tower on top St. Helen's Island / Solar Glasses, "Bausch + Lomb" mounted binoculars / Sammy Margulis, others / Sunspot - II, First naked-eye Sunspot. 1 Naked Eye; 2 telescopic.

I happened to be on St. Helen's Island and was on the Expo '67 tower when the sky cleared for the first time today. The only optical instruments available were the mounted binoculars for viewing Expo pavilions. I put my dime into the slot and obtained in this way my Sunspot observation.

1357 EP3

1800-1805 / Clear (mainly) - f / St. Joseph's Oratory / - / Sammy Margulis / CN-I.

1358 EP4

2055-2100 / Clear - f / RASC / 7x50b / Arnie Baker + 1 other / CN-I, Aurora-I.

1359 SP

Sunday, March 20/21 / 1235-1240 / Clear - f / Upper Belmont Ave near Edgehill Rd / Solar glasses / - / Sunspot-II (1 spot).

1360 EP2

2225-2232 / Partly cl - f / 818 / 7x50b / Carl Jorgensen / CN-I.

1361 EP4

2323-2325 / Slight hazy - f / 818 / - / - / Aurora-I.



EST

1362SP Monday, March 21/22 / ~~1640~~ - 155-1605-1610 /  
 Clear-f / Westmount High / Solar Glasses / Tom  
 Meyer / Spot Raked eye.

1363EP2 1905-1912 / Clear-f / 818 / 7x50b / - / CN-I, Aurora-

I.

Tuesday, March 22/23 - no observation.

Wed., March 23/24 - no obs.

Thurs., March 24/25 - no obs.

Friday, March 25/26 - cloudy.

Saturday, March 26/27 - cloudy.

1364SP Sunday, March ~~26~~ 27 / 1600-1605 / Mainly Clear-f /  
~~#8~~ Grandpa's Roof / Flouette - Solar Glasses / - /  
 Sunspot - II.

1365SP2 1620-1622 / Clear-f / ~~#8~~ ven-818 / - / - / CN-I.

1366EP3 1850-1852 / Clear-f / Ruby Foo's Restaurant /  
 - / Richard, Rona / CN-I.

1367E4 2340-2355 / Partly Cloudy - partly hazy - F /  
 St. Joseph's Oratory / 7x50b / - / CN-I, Aurora-I.

1368E Monday, March 28/29 / 2315-2330 / Quite Clear-f / Oratory /  
 7x50b / - / CN-I, Aurora-I.



March 29/30 - Tuesday - no obs.  
March 20/31 - Wed - no obs.  
March 31/32 - Thurs - no obs.

## SUMMARY FOR MARCH 1966.

### I. Observation Sessions.

<u>TOTALS</u>		Solar - 24	} approx.
Sessions	73	Evening - 40	
Observations	169	Morning - 08	

### II. Observations:

#### Planetary:

drawings: 0

SAT PHEN. 0

LUNAR: 0

NEW MESSIERS. 2

REG. DRAWINGS 0

METEOR & SESSIONS: 0

FIREBALLS 0

OCCULTATIONS 0

SUNSPOT-II 30

CN-I - 87

CN-III 0

Aurora-I. 44

S- 0

CONST-I. - 2

DOUBLE STARS - 4

DAVID H. LEVY



EST

APRIL. 1966.

- 1369SP Ⓞ Friday, April 1/0815-0818/Ⓞ Partly Cloudy - f/818/  
818/-/Solar Glasses / O spots - Sunspot - II.
- 1370SP Saturday, April 2/1325-1330/Partly Cloudy - f/818/  
Solar Glasses / - / Sunspot - II.
- 1371EP2 April 2/3/2330-2335/Ⓞ Hazy - f/ Ponsard Ave/  
→ binocs / Steven Simon, Clipper / Aurora - I.
- 1372S3 April 3/0930-0945/ Mainly Clear - F/vcn, 818/  
Alouette, Solar Glasses / Sunspot - II (1? NE, 2 telesc.)
- 1373EP Sunday, Apr. 3/ <sup>1830-1833</sup> ~~1913-1920-1923~~ / Clear - f/818 + vcn/  
- / - / CN - I
- 1374EP2 1920-1923/ Clear - f/818 / - / - / Aurora - I.
- 1375SP Monday, Apr 4/0920-0930/ Clear - f/818/  
Solar Glasses, Alouette / - / Sunspot - II - 1NE, 2tel
- Monday, Apr 4/5 - Cloudy  
Tuesday, Apr 5/6 - Cloudy
- 1376SP Wednesday, Apr. 5/6/1015-1025/ Clear - f/818/  
→ Solar Glasses, Alouette / = Sammy Morgulis/  
2 spots - SSII.



EST

1377 MP Wednesday, Apr. 6/7/0215-0223/<sup>hazy</sup> Clear-f/818/  
+ 7x50b/-/Aurora-I, CN-I.

1378 MP Thursday, April 7/8/0005-0015/~~clear~~  
Slightly hazy f/818 Oratory/ 7x50b/-/  
CN-I, Aurora-I.

Friday, Apr. 8/9 - no obs.

Saturday, Apr. 9/10 - cloudy

Sunday, Apr. 10/11 - cloudy

Monday, Apr. 11/12 - cloudy

Tuesday, Apr. 12/13 - cloudy

1379 EP Wednesday, April 13/2335-2340/ ~~P~~ Partly  
Cloudy-f/818/ 7x50b/-/Aurora-I.

1380 MP2 ~~the~~ Apr. 13/14/0010-0020/ Partly Cloudy -  
f/818/ 7x50b/-/ CN-I, Aurora-I.

1381 SP3 Apr. 14/0815-0820/ Clear-f/818/ Solar  
Classes / -/ CN-I, ~~Aurora-I~~, Sunspot -II!  
Ospots.

1382 SP4 April 14/1038-1045/ Clear-f/818/ Westmount  
High School / Alouette / Lilian Wagner/  
Sunspot -II. Unfortunately, no spots.

S  
Ob



- 1383EP Thursday, April 14/15/1845-1850/Clear-f/Seemont  
of Westmount/-/-/CN-I.
- 1384m2] 0040-0055/Clear-f/St Joseph's Oratory/  
7x50b/-/CN-I, Aurora-I.
- 1385SP3] April 15/1040-1050/Clear-f/Westmount  
High School/Alouette, Solar Classes/Tom Meyer,  
Mr. Boyer/☉ Sunspot -II, No spots.
- 1386SP Friday, April 15/16/Clear-f/1700-1702/West  
mount Park/-/-/CN-I.
- 1387EP2] 1945-1947/Clear-f/1818/-/-/Aurora-I.
- \*1388EP3] 2100-0100/Clear-quite clear-f/5502  
Hutchison, + park behind Outremont High School/  
"Atheris" (3 inch reflector, 56x)/Pegasus, 55.6x,  
86.7x/Carl Jorgensen, Stanley Tiger/M-13,  
New Messiers=M60, M59, M58, M87.
- 1389m4] 0155-0212/quite clear-f/Oratory -818/  
7x50b/-/☉ Aurora-I, CN-I.
- 1390MP5] 0323-0328/quite clear-f/1818/-/-/CN-I,  
Aurora-I.







- EST  
 1400SP11 APR 17 A.M. / 1040-1050 / Clear - f / 818 / Solar Glasses, <sup>f</sup>  
 Louette / - / Sunspot - II (1 spot), (1? Naked Eye)
- 1401EP APR 17 P.M. / 2345-2355 / Slightly hazy - f / 818 / 7x50b / - / CN-I,  
 Aurora-I.
- 1402SP12 ~~which~~ should be recorded before 1401EP APR 17 P.M. / 1535-  
 1540 / Clear - f / near Summit ~~Circle~~ Circle / - / - / CN-I.
- 1403MP2 APR 18 A.M. / 0014-0016 / Clear - f / 818 / - / - / Aurora-I.
- 1404SP3 APR 18 A.M. / 0750-0755 / ~~Clear~~ Slightly hazy - f / 818 / Lou-  
 ette, Solar glasses / - / 1 spot, 0 Naked Eye.
- 1405SP4 APR 18 A.M. / 0820-0823 / Slight haze - f / Corner of  
 Lexington & Edgemoor / - / - / CN-I.
- 1406EP APR 18 ~~A.M.~~ P.M. / 1850-1855 / Clear - f / 818 - ven / - / - / CN-I,
- 1407EP2 APR 18 P.M. / 2040-2045 / Clear - f / 818 / - / - / Aurora-I.
- 1408EP3 APR 18 P.M. / ~~2200-22~~ 2155-2200 / Clear - f / Oratory / - / - /  
 CN-I, Aurora-I.
- 1409EP4 APR 18 P.M. / ~~2355-2358~~ 2355-2358 / Clear - f / Oratory / - / - / Aurora-I.
- 1410MP5 APR 19 A.M. / 0150-0200 / Clear - f / 818 / 7x50b / - / <sup>cn-I,</sup> Aurora-I.



EST

1411SP6

APR 19 A.M. / 0750-0755 / Clear - f / 1818 / Alouette / - /  
CN-I, Aur Sunspot - II.

APR 19 P.M. - APR 20 A.M. - no observations - cloudy

APR 20 P.M. - APR 21 A.M. - cloudy

APR 21 P.M. - APR 22 A.M. no obs.

1412EP

APR 22 P.M. / 1910-1915 / Clear - f / # Towers Apt. Rf /  
- / - / CN-I.

1413EP2

APR 22 P.M. / 2110-2115 / <sup>mainly</sup> Clear - F / Westmount Pk / - / - /  
Aurora - I.

1414EP3

APR 22 P.M. / 2348-2355 / <sup>sl H<sub>3</sub></sup> Clear - f / 1818 / 7x50b / - /  
CN-I, Aurora - I.

1415SP4

APR 23 A.M. / 1055-1105 / <sup>slight H<sub>3</sub></sup> Clear - f / 1818 / Alouette,  
Solar Glasses / - / Sunspot - II - 0, NE; 3, Tel -

1416SP5

APR 23 A.M. / 1130-1135 / H<sub>3</sub> - f / 1818 / - / Gerry, Keblet /  
~~APR 22 A.M.~~  
Solar Halo. beautiful.

APR 23 P.M. - APR 24 A.M. cloudy. 24/25/cl

EDT

1417SP

APR 25 P.M. / 1845-1855 / Clear - f / 1818 / Alouette - Sol. Glasses /  
- / Sunspot II, - CN-I.



EDT

1418E2

APR 25<sup>25</sup> P.M. / 2000-2002 / clear-f / 1818 / -1- / CN-I.

1419E3

~~WV 97 JV~~ APR 25<sup>25</sup> P.M. / 2200-2202 / Clear-f / Oratory /  
-1- / Aurora-I.

1420E4

APR 25<sup>25</sup> P.M. / 2342-2358 / Clear-f / Oratory / 7x5 Ob / -1-  
CN-I, Aurora-I.

APR 26 P.M. - APR 27 A.M. - no obs.

APR 27 P.M. - APR 28 A.M. - cloudy

APR 28 P.M. - APR 29 A.M. - cloudy

1421M

APR 30 A.M. / 0000-0015 / Clear-f / St. Joseph's Oratory / 7x5 Ob / -1-  
CN-I, Aurora-I.

APR 30 P.M. - MAY 1 A.M. - cloudy.

OBSERVING SES. SUMMARY FOR APRIL OBSERVATIONS

type approx. no.

TOTALS

S- 20

New Messiers: 4

Sessions: 53

E- 21 EM-1

P- about 46.

Sunspot-II; (13+11): 24

Observations: 124

M- 10 \* - 1

CN-I: 71

Aurora-I: 29

Total: 53

Total: 124

recorded cloudy nights: - 10



MAY 1966

EDT

1422SP MAY 1 P.M. / ~~1820~~ 1700-1705 / Partly Cloudy - / 818 / Alouette,  
Solar Glasses / ~~CN-I~~ Sunspot - II.

1423EP2 MAY 1 P.M. / 1820-1822 / Clear (mainly) - / Recarie Blvd. /  
- / Sammy Margulis / CN-I.

1424EP3 MAY 1 P.M. / 2010-2013 / Clear - / ~~the~~ ~~University~~ Academy  
Road - / Sammy Margulis / CN-I.

1425EP4 MAY 1 P.M. / 2200-2230 / Clear - / <sup>mainly</sup> 818 / 8x30b / - /  
CN-I, Aurora - I.

1426EP5 MAY 1 P.M. / 2240-2245 / Clear - / 818 / - / Aurora - I.

1427EP6 MAY 2 A.M. / 0755-0802 / Clear - / 818 / Solar Glasses -  
Alouette / ~~Sunspot~~ - / CN-I, Sunspot - II (ONE, 1 tel)

MAY 2 P.M. - MAY 3 A.M. no observations

MAY 3 P.M. - MAY 4 A.M. "

MAY 4 P.M. - MAY 5 A.M. "

MAY 5 P.M. - MAY 6 A.M. "

MAY 6 P.M. - MAY 7 A.M. "

1428E MAY 7 P.M. / 2315-2330 / clear - / ~~818~~ / Oratory / - / - /  
CN-I, Aurora - I.

MAY 8 P.M. - MAY 9 A.M. - cloudy.



EDT

MAY 9 P.M. - MAY 10 A.M. - cloudy

MAY 10 P.M. - MAY 11 A.M. - no observations

MAY 11 P.M. - MAY 12 A.M. - no observations

MAY 12 P.M. - MAY 13 A.M. - cloudy

1429EM MAY 13 P.M. - FRIDAY; MAY 14 A.M. / ~~2340~~ 2343-0005 / Clear-f / St. Joseph's Oratory + var / 8x30b / - / CN-I, Aurora-I.

1430SP<sup>2</sup> MAY 14 A.M. - Saturday / <sup>mainly</sup> 1100-1105 / Clear-f / 818 / - / - / ~~III~~, Sunspot-II (0 spots tel.), CN-I.

1431EP MAY 14 P.M. / 2200-2240 / Clear-f / ~~Cote~~ near Melling Ave. / - / - / Aurora-I.

1432EM<sup>2</sup> MAY 14 P.M. - MAY 15 A.M. / Quite Clear-f / Oratory / 2355-0000 / 8x30b / - / CN-I, Aurora-I.

1433EP<sup>3</sup> (should be before 1432EM<sup>2</sup>) MAY 14 P.M. / Clear-f / Upper Lansch, Ave / <sup>2345-2348</sup> ~~2330-2335~~ / - / - / Echo-II.

1434SP<sup>4</sup> MAY 15 A.M. / ~~29~~ 1005-1015 / At Quite Clear-f / 818 / Alouette, Solar Glasses / ~~Sun~~ - / Sunspot-II (0 spots) / CN-I.

MAY 15 P.M. MAY 16 A.M. - no obs.

MAY 16 P.M. MAY 17 A.M. - no obs.

MAY 17 P.M. MAY 18 A.M. - cloudy

MAY 18 P.M. MAY 19 A.M. - cloudy



EDT

1439E MAY 19 P.M. ~~MAY 20 A.M.~~ - cloudy 2330-2332/H<sub>3</sub>-8/1818/-/-/Aurora-I

GRADUATION  
DIPLOMA

1435MP MAY 21 A.M. /0120-0130/ Clear-f / Per Loton Western Avenue near Roslyn Avenue / - / Betsy Barber / general observations. Aurora-I.

14364M2 MAY 21 A.M. /0445-0530/ Clear-f / Westmount Summit / - / Betsy Barber, Jon Cohen, Michel a few policemen and some other Grade 11 WHS students / CN-I, Sunrise.

1437SP3 MAY 21 A.M. /0740-0745/ Clear-f / 1818 / Alouette, Solar Glasses / Sunspot-II, CN-I.

1438EM MAY 21 P.M. MAY 22 1936 A.M. / 2350-0005 / Clear-f / ~~8/18~~ / Oratory + 8/18 / - / 8x306 / - / CN-I, Aurora-I. Passage of Echo.

~~1437E~~ show see betw 1434 + 1435/

~~1440S~~ ~~MAY 22 PM~~

1440S MAY 22, PM - Sunday /1530-1625/ Mainly Clear-f / RASC / Alouette, Solar Glasses, 6" refractor, 60x / Robert Ballantyne, Sammy Morgulis, Don Frappier + son. Sunspot-II - Faculae seen - 1<sup>st</sup> time. ~~16~~ 15 spots - 4 faculae.



EDT

- 1441EP2 MAY 22 P.M. / 2303-2305 / Clear - f / 818 / - / - / Aurora - I.
- 1442SP MAY 23 P.M. / Monday / 1350-1400 / Quite Clear - f / 818 / Solar Glasses / Alouette / Steve Simon / ☉ Sunspot - II - 4 sun.
- 1443EP2 MAY 23 P.M. / 2315-2325 / Clear - f / 818 / 8x30b / - / CN-I, Aurora - I.
- 1444EP2 MAY 24 P.M. / 2310-2339 / Clear - f / Oratory - 818 / 8x30b / CN-I, Aurora - I.
- 1445SP MAY 25 P.M. / 1900-1915 / Clear - f / Westmount Summit / Solar Glasses, Alouette / - / CN-I, Sunspot - II (2 spots).
- 1446EP2 MAY 25 P.M. / 2335-2345 / Clear - f / 818 / 8.30b / - / CN-I, Aurora - I.
- ~~1447EP2~~ MAY 26 P.M. MAY 27 AM / no obs. -
- ~~1448EP2~~ MAY 27 P.M. - MAY 28 A.M. - cloudy
- 1447B MAY 28 A.M. / 0950-1000 / Clear - f / 818 / Alouette, Solar Glasses / Sunspot - II - 2 spots.
- 28/29, 29/30, 30/31, 31/32 - no obs.

Sessions-66

CN-I - 48

Observations-

Aurora-I - 11

-74

SSII - ~~4~~ 15

Sat. - 1

74



JUNE

1966

EDT

JUN 01 P.M. JUN 02 A.M. - no observations.  
JUN 02 P.M. JUN 03 A.M. - no observations.

1448SP JUN 03 A.M. / 0920-0925 / clear - f / 818 / Solar Glasses,  
Alouette / - / CN-I, Sunspot - II (0 spots).

~~###~~ JUN 03 P.M. - JUN 04 A.M. - cloudy

1449SP JUN 04 A.M. / 1105-1112<sup>mainly</sup> / Clear - f / 818 / Solar Glasses,  
Alouette / - / CN-I, Sunspot - II.

JUN 04 P.M. ; JUN 05 A.M. - cloudy

1450SP JUN 05 A.M. - Sunday / 0900-0908 / ~~clear~~ Partly  
Cloudy - f / 818 / - / Solar Glasses, Alouette / CN-I, Sunspot - II.

JUN 05 P.M. JUN 06 A.M. - no obs.

JUN 06 P.M. JUN 07 A.M. - no obs.

JUN 07 P.M. JUN 08 A.M. - no obs.

JUN 08 P.M. JUN 09 A.M. - no obs.

JUN 09 P.M. JUN 10 A.M. - no obs.

JUN 10 P.M. JUN 11 A.M. - no obs.

1451EP JUN 11 P.M. / @ 2330-2340<sup>quite</sup> / Clear - f / 818 + ven / - / - /  
CN-I, Aurora - I.



EDT

- 1452 EP JUN 12 P.M. - Sunday night / 2230-2235 / Clear - ~~f/818~~ / Oratory /  
- / - / CN-I, Aurora-I.
- 1453 E JUN 13 P.M. - Monday Night / 2245-2300 / Partly Cloudy - ~~f/818~~ / St.  
Joseph's Oratory <sup>+ v. n.</sup> / ~~f/818~~ / 8x30b / - / CN-I, Aurora-I.
- 1454 EP2 JUN 14 A.M. - Tuesday / 1005-1010 / ~~Clear~~ / Hazy - ~~f/818~~ /  
818 / Alouette, Solar Glasses / - / Sunspot-II - Osports.
- JUN 14 P.M. JUN 15 A.M. - cloudy  
JUN 15 P.M. JUN 16 A.M. - cloudy
- 1455 SP JUN 16 P.M. - Thursday / 1735-1740 / ~~hazy~~ / hazy - partly cloudy - ~~f/818~~ /  
Alouette, Solar Glasses / CN-I, ~~Aurora~~ Sunspot-II.
- 1456 E2 JUN 16 P.M. / 2245-2305 / hazy - partly cloudy / St. Joseph's  
Oratory, 818 / 8x30b / - / CN-I, Aurora-I.
- 1457 S JUN 17 P.M. / Friday / 133135-1330 / clear - ~~f/818~~ / - / Alouette,  
Solar Glasses / CN-I, Sunspot-II.
- 1458 EP2 JUN 17 P.M. / 2200-2205 / ~~clear~~ / partly - mainly cloudy ~~f/818~~ /  
8 - ~~f/818~~ / 818 + ver / - / Sammy Margulis / CN-I.
- 1459 MP3 JUN 18 A.M. / 0405-0408 / clear - ~~f/818~~ / - / - / CN-I.



EDT

- 1460S JUN 18 P.M. - Saturday / 1430-1455 / Clear - f / 818 / Echo-60p - Solar Glasses / ~~f~~ Sammy Margulis / Sunspot-II (10 spots telescopic; 0 Naked Eye) CN-I.
- 1461EP2 JUN 18 P.M. / 2045-2050 / <sup>mainly</sup> Clear - f / ~~818~~ / St Joseph's Oratory / ~~f~~ - / - / CN-I.
- 1462E3 JUN 18 P.M. / 2245-2315 / hazy then clear - f / RASC / 8x30 binocs + 6" refractor (Mr. Good, Si Brown / A Uexio, CN-I, Aurora-I.
- 1463EP4 (should be before 1462) JUN 18 P.M. / 2230-2235 / Clear - f / RASC / ~~8x30p~~ 8x30b / Miss Williamson, Mr. Good, Duchow, Don Frappier / ~~f~~ Echo-II.
- 1464E~~15~~<sup>15</sup> JUN 18 P.M. - JUN 19 A.M. / 2350-0005 / St. Joseph's Oratory + vicinity / Clear - f / 8x30b / - / CN-I, Aurora-I.
- 1465MP6 JUN 19 A.M. / 0100-0102 / <sup>at 10</sup> ~~clear~~ - f / 818 / - / - / Aurora-I.
- 1466MP7 JUN 19 A.M. / 0115-0117 / ~~at 10~~ clear - f / 818 / - / - / Aurora-I.
- 1467MP8 JUN 19 A.M. / 0416-0418 / clear - f / 818 / - / - / CN-I.
- 1468S JUN 19 P.M. + Sunday / 1315-1335 / clear - f / 818 / Echo-60p / Solar glasses / CN-I, Sunspot-II (0 spots naked eye; 4 tel.).



EDT  
1469EPRJUN 19 P.M. / 2045-2050 / Clear - f / St Joseph's  
Oratory / - / 8x30b / CN-I.

1470E3

JUN 19 P.M. / 2300-2315 / ~~to~~ slightly hazy - f / St.  
Joseph's Oratory / 8x30b / - / CN-I, Aurora-I.

1471S

JUN 20 P.M. / Monday / ~~153~~ 1413-1428 / ~~to~~ slightly hazy - f / 818 /  
Echo-60p Solar Glasses / CN-I, Sunspot - II.

1472EM2

JUN 20 P.M. / 2335-0005 / Partly cloudy, then  
slightly hazy - f / St Joseph's Oratory / 8x30b / - /  
CN-I, Aurora-I.

1473EP3

(should be before 1472) JUN 20 P.M. / 2159-2201 / Mainly cloudy - f /  
Oratory / - / - / CN-I.

1474MP4

JUN 20 P.M. / 0028-0030 / Mainly clear - f / 818 / - / - /  
Aurora-I.

1475MP5

JUN 21 A.M. / 0050-0052 / partly cloudy - f / 818 / - / - /  
Aurora-I

1476MP6

JUN 21 A.M. / 0403-0405 / hazy, partly cloudy - f / 818 /  
- / - / CN-I.

1477MS7

JUN 21 A.M. / 0930-0950 / Clear - f / 818 / 3 / Echo-60p  
Solar glasses - / Clipper / CN-I, Sunspot - II (2 tel).



EDT

- 1478~~ME~~EP<sup>A</sup> June 21/22 - Tuesday / 2152-2154 / <sup>mainly</sup> Clear - F / St. Joseph's Oratory / - / - / CN-I.
- 1479E2 2255-2320 / ~~ab~~ quite clear - F / St. Joseph's Oratory / 8x30 binocs / - / CN-I, Aurora-I, artificial satellite passage.
- 1480EB3 2243-2245 / ~~slightly~~ ~~to~~ clear - f / 818 / - / - / Aurora-I
- 1481MP4 0415-0417 / ~~to~~ clear - f / 818 / - / - / CN-I.
- 1482SP June 22/23 - Wednesday / 1725-1730 / ~~clear~~ hazy - F / 818 / Alouette, Solar Glasser / Sammy Margulis / Sunspot-II (5 spots), ~~5 spots~~.
- 1483EP2 2300-2306 / Very hazy - f? / RFSC / 8x30b / - / CN-I, Aurora-I.
- 1484EP3 2345-2350 / hazy - partly cloudy - f / 818 / 8x30b / - / - / CN-I, Aurora-I.
- 1485MP4 0145-0150 / hazy - f / 818 / 8x30b / - / Aurora-I
- 1486S June 23/24 - Thursday / 1400-1415 / hazy - f / 818 / Echo-60 pt solar glasses / ~~5~~ Larry, Joyce / ~~5~~ Sunspot-II (5 spots).



EDT

1487SP2

1430-1435, <sup>slightly</sup> hazy-f / 818 / - / - / CN-I.

1488E3

2110-2115 / hazy-f / Mt. Royal Park / 8.30b / Paul  
Astrof / Luna, CN-I.

EDT

1489E

June 24/25 - ~~Thursday~~ Friday / 2200-2230 / hazy-f / ASC  
(Adirondack Science Camp) / Starkey R. Stan Rachotin,  
Bill Rutherford / Luna, Arcturus, Mizar + Alcor, Al-  
beric, M-57, ~~Antares~~. / Pegasus-80? p/.

1490EM2

2340-0345 / ~~very~~ conditions ranging from very, very  
clear to ~~slight~~ clear-f / Adirondack Science Camp / 8x30  
binoculars / Pegasus, 80? p / (used the 60 power eyepiece  
from Echo), and other powers / G. Bill Rutherford /  
Al Manor, Jack Schwalm, Steve Parks, Fred Barshaw /  
Antares, Saturn. M-57, M-13. CN-III, CN-I, Aurora-  
I. / Rings of Saturn were unnoticed in all powers.

1491S3

1100-1115  
~~2300-2315~~ / hazy-f / ASC / 3 / Solar Glasses,  
Pegasus, 80? p / - / Sunspot-II (7 spots).~~1492~~

June 25/26 - cloudy.

14925

June 26/27 - Sunday / ~~to~~ 1245-1315 / hazy-f / ASC /  
4 Pegasus, Solar glasses / Stan Rachotin, Robert  
Cook, others / Sunspot-II (4 spots tel, O-NE).



1493E2 2300-0035/~~clear~~ hazy - f / ASC / 8x30b,  
7x50b / Pegasus / ~~8x~~ Steven Ashe / CN-I, Aurora-I,  
V. S. VII

1494S3 0925-0930 / slightly hazy, partly cloudy - f / ASC /  
+ Solar Glass / - / Sunspot-II, CN-I.

1495E June 27/28, Monday / 2305-2340 / partly cloudy - f / park  
behind Outremont High School / 7x50 binocs / - /  
CN-I, Aurora-I, V. S. VII (6).

1496MP2 0010-0012 / partly cloudy - wmf / St. Joseph's  
Oratory / 7x50b / - / ~~CN-I~~, Aurora-I.

1497M June 28/29, Tuesday / 0225-0240 (after Joyce's Wedding) /  
clear - f / 818 / 7x50 binocs / - / CN-I, Aurora-I,  
V. S. -7.

1498M June 29/30, Wednesday / 0000-0010 / mainly  
clear - f / 818 / 7x50 binocs / - / CN-I, Aurora-I, V. S. 8.

1499EP June 30/31, Thursday / 02028-2031 / clear - f / (A. S. C.)  
- / - / CN-I.

1500EM2 2330-2335 / quite clear - f / ~~818~~ ASC / Pegasus,  
all 4 standard / 8x30 binocs / Bill Rutherford, Steve  
Birk / Luna, Mizae + Alcor, Alberio, M-57,



EDT

M-13. NGC-(869+884), CN-I, CN-III,  
Aurora-I, V.S.-9.

150153

0930-0955/clear-f/ASC/Pegasus, 55.6x,

(July)

↳ Solar glasses/Andy Bauman, others/CN-I, Sunspot-II (↳ spots).

1502E4

should be before 1501/0200-0203/pt cl-f/ASC/-1-1  
Aurora-I. -CN-I.

1503E5

should be after 1502, before 1501/0215-0220/  
pt. cl. -f/ASC/-1-1/Aurora-I, satellite.

1504S

July 1/2 Friday / ~~2~~<sup>2</sup> 1320-1340/clear-f/ASC/Pegasus  
(July) - 55.6p, 235.5p/A. Bauman, B. Rutherford,  
Geoff Lukum, A. Parker, others / Sunspot-II detail  
drawing.

## SUMMARY FOR JUNE 1966

Observations:

Totals

Solar: 29

Sessions-55

Aurora-56

Observations-87

CN-I: 84

Artificial Satellites: 2



JULY '66

(see 1502 + 1504 - ~~last~~ over/leaf)  
 days recorded refers to first date  
 e.g. July 1/2, Friday. Fri. refers to July 1.

- 1505M July 1/2 - Friday 10030-0048/clearing - f/ASC/  
 8x30 binocs 1/2 - /CN-I, Aurora-I, VS, 10.F.
- 1506S2. 0930-1000/clear - quite clear - f/ASC/  
 Pegasus, 55.6x, 235.5x / ~~CN-I~~ Andy Bauman,  
 Bill Rutherford + others / CN-I, Sunspot-II (8 spots)
- 1507S1 July 2/3 - Saturday 1410-1415 / quite clear - f/ASC/  
 a newly repaired 4 1/4 (approx.) reflector which will be  
 known as Blackie until further notice / others /  
 Sun. Test Session for Blackie.
- 1508S2 1550-1735-1740 / clear - f/ASC / Blackie /  
 Andy Bauman, Dr. Claire, David Wasserman, others /  
 8 Sun.
- 1509EP3 2030-2100 / partly cloudy, hazy f/ASC/  
 Fred Fritz, ~~David~~ Steve Aske / 2 1/2" mm Unitron /  
 test session CN-I,
- \*1510EM4 2145-0145 / ~~clear~~ hazy, partly cloudy - f/  
 ASC / Pegasus, 55.5x, 86.7x f/ Blackie, (see 1507),  
 Echo, 60p, 25 mm. Unitron, 4" Dynascope,  
 7x50 binocs, 8x30 binocs / Alan Bernstein,  
 James Koppel, Ronald Wainrib, Steve Bach,  
 Colin, Paul Kaplan, Alan Friedlander, Bill



EDT

George, Bill Roswit, Stephen Bloom, Ken Rosenthal, Jacques Keane, Jeff Crankort, Steve Crane, Greg Wandel, Fred Pritz, Ken Tager, Gary Crane, Mr. Warren Cook and his son, Jack Schwalm and his father. / Luna. Arcturus, Vega, Deneb, Mizard & Alcor, Spica, Epsilon Lyrae, Alberio. M-13, M-57. Unidentified satellite. CN-I, Aurora-I, U.S. - II, Double Star - 10 (β Cephei, κ Cephei!). For first time, an observing session with me in charge of a group of over 20, as Astronomy Counsellor.

15

151135

1100-1140 / clear and hot - f / ASC / Pegasus, 55.6x, Blackie / Andy Bauman, Alex St. Schaaline, Geoff Lokum; Bill Roswit + others / Sur CN-I, Sunspot-II (O spots naked eye, 14 telescopic.)

1512EP

July 3/4, 1966 / 2055-2105 / <sup>slightly</sup> clear, warm - f / ASC / - / CN-I.

1513EM2

2155-~~0303~~ 0100 / clear - f / then hazy, then very hazy and partly cloudy f / ASC / Pegasus, 55.6x, 86.7x, Blackie, Echo-60p, 8x30b / Ken Pritze, Geoff Lokum, Paul Kaplan, R. Warrin, Ken Rosenthal, Gary Crane, Greg Wandel, Fred Pritz, Steve Bloom, James Kappel, Bill Roswit, Michael Parker, Bahr Weiss, Robert Cook,



EPT.

Ernie Coone, Mrs. Coone, Jack Schwalm, Mr. & Mrs. Schwalm, / demo. B Cygni, B Cephei, Polaris, Mizar + Alcor. M-13. CN-I, Aurora-I, V.S.-12. Lunar Crater Drawing - "Luna-12". (Condorcet).

151493

1030-1155 / ~~clear~~ partly cloudy - f / ASC / Pegasus  
55.6p-86.7p / Blackie / <sup>Solar glasses</sup> CN-I, Sunspot-II  
(O spots naked eye, 2 telescopic.)

15159P

July 4/5<sup>Monday</sup> / 1710-1715 / partly cloudy - f / ASC / Alouette / Jim Koppel / 3 Sun - 3 spots seen.

151692

~~Tue~~ 1705-1740 / partly cloudy - f / ASC / Pegasus,  
235.5p / Andy Bauman, Jack Schwalm, Bill Rutherford,  
Steve Park / Sunspot-II reading - (detail drawing).

1517EP3

2110-2115 / clear - f / ASC - / - / CN-I.

~~1518AN~~ 2145-0435 / very clear - f / A.S.C / Pegasus,  
55.6p, 86.7p, 235.5p; Blackie, 7x50 binocs, 8x30  
binocs / Andy Bauman, Greg Wandel, Ronald Weinrib,  
~~Steven Coone~~, Steve Ashe, Jacques Keane,  
Fred Pritz, Fred Barshaw, Al Manor / Saturn.  
Alberio, Mizar. New Messier M01. Old Messiers:  
M-31, M32, M13, M4, M92. Artificial satellite.  
CN-III. (While comet hunting I came upon  
~~M-10~~ M-10, a messier I had not seen before.)



It took me only ten minutes to check it out and to confirm it, at least now CN-III has done something of technical value for me!) CN-I, Aurora-I, U.S.-13 (3 new variables,  $\gamma$  Hercules,  $\alpha$  Hercules, RR Coronae Borealis.)

- 15195 July 5/6/<sup>1220-1235</sup>~~0020-0035~~/clear-f/ASC/7 Pegasus, 55.6p/  
- /CN-I, Sunspot-II (? 1 spot naked eye).
- 152052 1415-1500/<sup>mainly</sup>clear-f/ASC/ Pegasus, 55.6p, 235.5p/  
"Blackie"/Andy Bauman, Greg Wandel, Ronald Weirib/  
Sunspot-II (
- 1521EP3 2100-2105/clear-f/ASC/-/Andy Bauman/  
CN-I.
- 1522E4 2200-2330/~~clear~~ clear, clouding over-f/ASC/  
#1 Pegasus, 55.6p, 86.7p, "Blackie",  $\gamma$  3 Obiwoos  
#1 Steven J. Stephen Levy, Alvin Bernstein, David Sprentall, Fred Britz, Ken Rivlin, Alex Scheeline, Jeff Graubart, Paul Kaplan, Greg Wandel, Jacques Kearney, Steve Ashe, Andy Bauman / As it clouded over just after observations were started, little was actually done in observing. ACN-I dome check was obtained, plus an observation of area 23. Aurora-I.



EDT

1523 ~~MP5~~ 0120-0130 / partly cloudy - f / ASC / 8x30 binoculars /  
- / CN-I, V.S. XIV.

JULY 6/7 - cloudy.

1524S July 7/8; Thursday / ~~1240-1300~~ <sup>1240-1300</sup> / partly cloudy - f / ASC /  
Surveyor (name now replaces "Blackie") - f 40p / - / CN-I,  
Sunspot-II (8 spots), 0(NE).

1525 ~~EM3~~  
~~MP~~

2215-0145 / partly cloudy, then clear, becoming  
"absolutely fantastic", then becoming hazy, then  
very clear, then clouding over - f / H.S.C. /  
Pegasus, 55.6p, 235.5p; Surveyor, 40p,  
57p / Andy Bauman, Jacques Keane,  
Greg Wandel, Ron Wainik / New Messier:  
M-106. ~~M-13~~ Old Messier: M-13, ~~M-3~~. CN-I,  
CN-III, Aurora-I, V.S. attempt at Lunar Drawing failed.

1526 MP3 0255-0300 / ~~partly cloudy~~ <sup>w/</sup> / ASC / - / - /  
Aurora-I.

+

1527S July 8/9, Friday / 1430-1500 / partly cloudy - f / ASC /  
- / Pegasus, 55.6p, Surveyor, 57p / Sunspot-II  
(12 spots).

1528SR 1700-1705 / partly cloudy - f / ASC /



EDT

Solar Glasses / Ronald Wainrib, Greg Wandel,  
Rebat Halder, others / CN-I, Sunspot-II.

① 1529AN3 July 8/9/2/30-0420 / very clear - "absolutely  
fantastic" - (Adirondack Science Camp / Pegasus,  
55.6p; Surveyor, 57p<sup>#</sup>; Echo, 60p; 8x30 binocs;  
other binoculars / Andy Bauman, David Sprentall,  
Jeff Graubart, Fred Pritz, Jacques Keene,  
Bill Roswit, Ronald Wainrib, Alan Korn-  
blatt, Paul Kaplan, Rebat Halder, Greg  
Wandel, Steve Ashe, Robert Cook, ~~P~~ Paul  
Schick / Saturn, M-45, 2 art. satellites,  
one <sup>for</sup> which I made a report. CN-I, Aurora-I.  
At about 2245 I noticed what may have been an  
Auroral glow in the North. (I thought). ~~See~~ This  
stayed static till about 2314 when suddenly a  
ray formed in the North towards West. Then  
another. And another. This was it... my  
first major display. What I had been waiting  
for ~~for many~~ a number of years, and 801 official  
reports. The display grew in magnificence  
and grandeur, ~~was~~ with rays, pulsating spots,  
pulsating arcs, rayed arcs, even simple  
homogeneous arcs, and flames. It calmed  
down a bit after 1AM; but at about 2 it  
broke out into beautiful flames which  
lasted the rest of the night.



EDT

1530S2

1120-1150 / partly cloudy - / / ASC /  
Pegasus, 55.6p; Surveyor, 57p / A. Bauman /  
Sunspot-II, (3 groups, 11 spots).

1531EM

July 9/10 / Saturday / 1230-0140 / clear-  
hazy - / / ASC / Pegasus, Surveyor / Greg War  
Michael Sternlich, Bahr Weiss, Fred  
Pritz, Stan Rachgotin, Geoffrey Johnson,  
Alan Bernstein, Jeff Craubart, Steven  
Bloom, Ronald Wainrib, Jacques  
Keene, James Koppel, Andy Bauman,  
Steve Ashe / Polaris. Constellation Study  
CN-I, Aurora-I (GLOW IN E), VS.16.

1532S

July 10/11, Sunday / 1230-1300 / partly cloudy  
/ / ASC / Pegasus, 55.6p; Echo, ~~86.7~~ 60p /  
Andy Bauman / CN-I, Sunspot-II (5  
spots, 0 RE).

July 10/11 night - thunder showers.

1533EM

July 11/12 / 0945 - 0150 / mainly cloudy, clearing, then  
"absolutely fantastic", then slightly hazy, then  
partly cloudy - / / ASC / 8x30 binocs, other to  
Pegasus 55.6p, 86.7p, 235.5p / Surveyor - 57p / Bill  
Robertson, A. Bauman, G. Wandel, Ken Kurlin, Fred Pritz  
Saturn. M-31, M-13, M-32, M-5 / (saw both parts - 1st time) /  
CN-I, Aurora-I (glow, bright spot in N) CN-III. VS-17.



OBSERVATION SESSIONS CONTINUE TO BE  
RECORDED IN VOLUME III.



