)AVE Volume

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OBSERVATORY RECORDS LOG- FIVE DAILY JOURNAL 1968 Observing Session Supplement David H. Levy

11 Places Symbols ... 818 - 818 Upper Weather Conditions Projects 0- Precipitation CN-I - area check Delmont itve. CN-III-telescopic hunt Jairnac - near 1- Cloudy CN-I - son vicinity, twilight Kipon, Que. 2 - Manly cloudy 3- p-Partly cloudy horizon & dome, check Qiompond -60mi. trom 4- Very hazy Autora-I- avrora check V S-- variable star check NYC 5- Hazy LCP-818 6-Slightly bazy 7- Clear 8 - Puite clear 9- Very clear 10 - Better than very clear; Near priet. Stations of LCP Instrument S M-Minnowbook Echo-my 31/2-inch reflector Regasus - my 8"reflector, F= 555/2". 818 UPPER BELMONT AVE BELMONT AVE Discoverer - my 2% "reflector ASC-Adviondak Little Joe - my 6" RFT reflector, f=23" Science Camp A-ACADIA SPECIAL SESSIONS p = power * UNIVERSITY b, binocs - binoculars Special Session, ** M-reflector F-tavourable. Very special session. Ð re-retractor unf-untravourable extra special session. NE-naked eve Types of Sessions + maximum times for these sessions. S-when Sun is in sky - sunrise to sunset E-evening AN-allnight - sunset to surrise M-morning - midnight to surrise E-surrettomidnight P-petit - ten minutes or less (tollowing a session type) Plan For, Regording Sessions Date, day / Times/ weather - For unt / place Instruments/ others present Observations and comments, Ethor refer to beeling of work accomplished. Date - Jan Y implies the double date Jan 1/2

01 68 JANUARY. 1 1968 / 2 100-2300 / 7- F/818/ Echo/F Carl Jorgensen/CN-III JAN JAN 2 1968 - cloudy JAN 31968 - cloudy JAN 41968 - mostly cloudy JAN 51968-F/2008 E-1/1740-1800/7-F/818/-/Little Joe/CN-III 2009E2-1 2245-2350/7-F/818/ Little Joe/-/CN-TTT. JAN 61968-5- cloudy JAN 71968 - 12010 E-1/1730-1800/7-F(temp -6° and windy) = Little Joel-1Ch-ITE. 2011 E2-1/2245-2310/7-Fluery cold) - - 12° and windy 1818/ Little Jeel - 100-III. JAN 81968 - 2012 E-1/1730-1800/7-Fltemp -20F4 windy / 818/Little Joel-1 CN-JTC 2013E2-1/1920-1935/7-F (-200F)/818/Little Jel- (CD-III JAN 91968 - clarkly JAN 10 1968 - 2014E-1/2230-310/7-F/818/Little Joe - 1 Ch-III 2015m2-1/0030-0145/7-F/812/(erbout 6°F below zero)/Little Joel-ICD-IT JANTI 1958 - cloudy JAN1210AA - no obs, clear. JAN 1 3 1968, - clear; no obs. JAN 1 4 1958 - chudy

*	
JAN 1 5 1968 -	12016 m-1/0000-011516-F/Rechard Bitter Observation FICPT
	12016 M-1/0000-0115/6-F/Reshe C. Ritier Observatory ELCPJ/ CLEPJ/ CLEPJ/ CHILLE
JAN 1 6 1968	no observations.
JAN 17 1968 JAN 18 1968	ii
IAN 1 9 1968	4/
JAN 2 0 1968	ų
JAN 21 1968	4
JAN 22 1968	11 III
JAN 2 3 1968	U Contraction of the second
JAN 24 1968	34
JAN 2 5 1968	H
JAN 2 6 1968	4
JAN 27 1968	
JAN 28 1968	11
JAN 2 9 1988 JAN 3 0 1968	
JAN 31 1968	clear no obs.
27111 0 2 2000	very hazy.
*	
	A STATE OF A
	V

FEB 1 1968 - cloudy 102 68 FEB 21968 - cloudy FEB 3 1968 - cloudy FEB 4 1968 - cloudy FEB 51968 - cloudy FEB 61968 - dear-no observing. FEB 71968 - 2017 M-110030-0140/6-F/818 (LCP)/Little Joel-1Ch-JIT. FEB 8 1968 no 0 bs FEB 91968 no + 65 FEB101968 no obs FEB 1 1 1968 - no obs FEB 1 2 1968 - no " FEB 1 3 1968 - cloudy FEB 1 1 1968 - c budy FEB 1 5 1968 - cloudy FEB 1 6 1968 - cloudy FEB 17 1968 - c budy FEB 1 8 1968 - - loudy FEB 1 9 1968 - cloudy too hazy

2 FEB 2 0 1968 - too bazy FEB 21 1968- cloudy FEB 2 7 1968 cloudy FEB 23 1368 - 200 2018E-1/2000-2330/7-F/LCP/Regasos, Little Joe/Tom/ CN-III. FEB 24 1968 ** 2019EM-2/2000-0145/7-FILCP/ Pencuus, Little Soe, Echol Raymond Harding, Riebard Gregory ICN-TIT, CN-12 (Ikeya-Seki 67n - obs. with all three scopes) FEB 2 5 1968 * 2020 M-1/0100-0300/7-F/Leshe, C., Reltier Observatory, Upper East Station / Little 30e 1-1Ch-III/ first us of Little 30e in this way (Upper E. Stat) for comet hunting). FEB 261968 2021Em-1/02325-003517-F/LCP-UE/Li++le Joe/-/CN-III. FEB 27 1968 FEB 2 8 1968 FEB 2 9 1968

03 68 MARCH. 11968-Fri/2022EM-1/2100-0200/7-FILCP4LIE/Little Joe - ICN-III, MAR 21968-Sat/2023M-1/0430-0540/3-F/LCP-UE/Little Joe/-/CN-III MAR MAR 3 1968 -/ MAR 4 1968 - 1 MAR 51968 - Tues 2024EM-1/2345-0100/7-FILCP-UE/Little Joe/-ICN-TTT, MAR 61968 - Wed /2025 M-1/0100-0220/7-F/LOPUE/Little Jee 1-1 CN-TTT. MAR 7 1968-1 MAR 81968-Fri 2026 # EM-1/1930-2310 7-6-F12CP-DE/Little Joel Tom Meyer (CD-ITT) 2027172-1 0100-0230/6-2-F/LCP-UE/Little Joe 1/CN-III. MAR 9 1968 -Set 2028 EF1-0/ \$930-1935/5- uni//LCPUE/Little Social test 2029 EP2-1/2215-2225/4- uni/RASC/Cosmos/ Harding Social Luna. MAR 1 0 1968 -MAR111968 - Mon (2030EM-1/ 2345-0015/ 7-F/ SALCP-UE/Lit. 3. /- /CN3. 2031 M-2/0100-0215/7-F/LCP-UE/Little Joel-/CN-TTT, MAR 1 2 1968 - 0 MAR 1 3 1968 - Wed /2032M-1/0000-0115/7-F/LCP-UE/Little Joe/-1CN-002, MAR141968 - Thul 2033 M-1/0000-010/ 1-6-F/LCPUE/Little Joe -/CN-IT yes - all cloudy - 9 nights

MAR 24 198-50/2034EM-1/2315-0030/7-F/LCPUE/-1-4 MAR 2 5 1968 -1 MAR 2 6 1968 -1 Wed 2035 m-1/0030-0145/8-F18+ LCPUE 1/4/4+1/e Joe MAR 27 1968 -MAR 2 8 1968 - 1 MAR 29 1968 Fri 12036 ED7-1/2022000-2030/10-F/near Chambly/ - [Tom auronal. 2037EM-1/2130-0030/7-F/LCFUE/Little 300-1013 Sat / 2038E-1/1930-2215/7-F/LCP-UE/Little Joe/ - ICN-JIL, MAR 3 0 1968 2039E-1/2300-2315/7-F/RASC/ Cosmas/ Ginette Lafleur, Constantine Papacosmas, Tom Meyer, others/ Supirter-saw red spat . 2040 M-1/ 2055-01 0045-0190/6-5-4/ unb/ 2040 M-1/ 2055-01 0045-0190/6-5-4/ unb/ MAR 3 1 1928

04 68 APRIL APR 1 1968 - Man / 2041 M-1/0015-0125 / 7-8-F/LCP-UE/Little Joe/ -/CN-TIT APR 2 1968 - Tues/ 2042EM-1 2350-0045/7-3-F/LCP-UE/Lit. Joe/ -1 CD-3 APR 3 1968 - -APR 4 1968 - 1 APR 51968 - 7, no observing. APR 61968 - Sat 12043M-1/0015-0050/7-FILCP-UE/Little Joe/ -1 CN-TT APR. 71968 - Sun 12050 - 22151 2044E-1/7-FILCP-UE/Little Joe/1 CW-TIT APR 8 1968 -APR 9 1968 -APR 1 0 1968 -1 APR 1 1 1968 - 4 APR121968 - Friday /2045EM-20/7-F/Corner Sherbrooke & Wood/ Little Soe, 3"refr. 124 Carl, his brother, others. Observation of Lunar Eclipse - no clouds, very warm (about 60°g-50°). CN-TTE 12215-0130. APR 1 3 1968 -APR141968 - Sun / 2046M-1/7-F/LCP-UE/Little= Soe/-/CN-3. APR 1 5 1968 - (

0 APR1 : 1968 -WTWO 2047 M-1/7-FILCP-UE/20000-0110/Lik3/-CD-3. HPR 17-26 - not recorded Sat, 2048EM-1/0000-0440EST/7-F/LCP-UE/Little APR 27 Joel CN-TIT f. Sun / 2049 AN-1/2030-0550/7-8-F/LCP-LE-DE/ Pegasus, Little Joe/CN-3. APR 28 APR 29 Mon / 2050E An- 1/2100 to 0100/ 7-3-2-F/LCP-LE-UE-UW/ PLittle Soe/ -1 CN-TT. APR 30

05 68 MAY. MAY 1 1968 -1 2 1968 / Thurs / 2051 AN-13/7-Flic P-UE (W, LE/2030-0445/ Pegasus, Little Joe/ CN-1, CN-3, CD-5, Aur-1, V.S. 124, Gerry. MAY MAY 3 1968/1 MAY 4 1968 -1 MAY 51968/Sun/ 2052E-16/2030-2339 7-F+01-UnF/LCP-UW, LE/Regasus, Little Joel Ch-1, Ch-3, Ch-5, Aur-1, VS-125. 2033M-1/0315-0435/7-F/LCP-UW, UE/Little Joe -1 C 17-3. MAY 61968/Mon/20545-3/1300-1315/7-F/LCP-LE/PEEcho/-/CN-I, Sunspot-II. TAGY 7 Twee 2055 ATE 17/2030-230415/8-F/LEBER R chez Ray-Mond Harding 16" Dynascope, Little Soel Raymond 4 others/ CD-1, CD-3, CD-5, Quir-T (tve), VS-126. 2056 m 131/0445-045017-F/LCP-UE1-1-1CN-5. MAY 7 Two 1 205753/1350-1400/7-FILCP-LE/Regasus, Echo/ 8 - ISupspot-II, CD-5. 2058 EM-2/2330-0445/7-F/LCP-WE/L, ++le Joe/CN-3, 1 Aur-I. (tre) MAY 8 Wed-1 MAY 9 Thu= MAY 10 Fri - 2059 EM-1/2030-0230/95-F/LCPUW, UE/Little Sall CN-3,

MAY 11 Sat -1 MAY 12 Sun 2060 M-1 / 7200-0330 / 6-F/ CCP-UE/Lit. Joe/2/C/1-3. MAY 13 1968 Mon /2065EM-15/2000-0130/7-F/Westmount Summit and LCP-UE, -UW/Little Joe, 8x 30 binoes/ -16 Green Flash' seen For 1st time at sunset. CN-1, CN-3, CD-5, Aur E, VS-127 MAY 1 4 1968 Twee 20625-3/024-1445-1505/7-F/LCP-LE/Weetmon Pegasus 55.6760x, Solar Filter 10-1CD-5, SS-2. night-4 MAY 15 1968 ued /20639-2/1600-1630/4-5-F/LCP-LE/Pegasus, sum filler / 38-2 2064 M-12/0130-0200/7-2-F/LCP-LE, LCP-UEUW/ Lit. 307 8306/CN-1, CD3, V 5-128. MAY 1 0 1988 -MAY 1 7 1968 --MAY 1 8 1968 MAY 1 9 1968 - Sum 12065E-1 2100-2300/7-4 f/LCP-UW/Little Je 1-1 CD-3. MAY 201968 Mon/206 M-11/0130-0230/7-F/LCP-LE, -VE/CN-1, CN-3. [Lit. Joe, 8x30b. MAY 21 1968 - / MAY 22 1968 Tyled. / 2067 M-13 / #7=0230-0330/7-3-F/LCP-LE, UE/ 8x306, L3/CN-1, CN-3. VS-129

105 68 MAY 23 1968 Thurs. 2068 EM-17/2330-0430/6-7-F/LCP-UE, LE/Regasus 8x30 binocs/ CN-1, CD-3, CD-5, VS-130, 24,25-1, 4 resp. MAY 261968 Son. 20695-3/1745-1805/7-5-F/LCP-LE/& Echo, Sobr Filter/CN-5, 55-2. 2070EM-13/18:2130-0100/86-F/LCP-UW, LE, Orat-ory/Pegasus, Little Joe/CN-I, CN-J, CN-5, VS-131. 2071 5-3/1950-2005/6-F/LCP-LE/Echo, Solar glasses/CD-5, SS-2. MAY 27 1969 2072E-M-14/2130-0100/6-F/LCP-LE, UE, Oratory / Regasus, Little Joe, 8x30/ Cn-1, Cn-3, Cn-5, Au-1, VS-132.1 Richard. MAY 28 1968 2073E-12/2220-2035/7-F/Westmount Summit CN-1, CN-5, aur-1. 18x 30, Sammy MAY 2 9 1968 MAY 3 0 1968 2074AN-12/1++12115-0430/8-7-3-F/C, Messier Obs-ervatory Crompond, NY/6" RFT(Arct-urus), 7x 35/CN-1, CN-3, CN-5, aun-I, MAY 31 1968 VS-133.

JUNE.

JUN 11968/5-t./6.1500-1515/6-F/C Messier Observatory/ 20755P-1/31/2"Skyscope, / CAT SS-II. JUN: 2 1968 -1 JUN: 3 1968 2076 EM-11/2330-0230/7-f-10-3-F/C Messier/ Arcturus, finders/CN-1, CN-3, CN-5, Aurz, V.S. 134. JUN: 41968: 2077 AN-20/Wednesday/2130-0420/107-10-F/ C. Messier 7x50, 6x50 Finder, Arcturus/ CN-1, CN-3, CN-5, Aur-1, VS-135. JUN: 51968 2078AN-16/Thursday/2130-0420/7-10-F/ C. Messier/7x59.6x50, Arcturus/ CN-1, CN-3, CN-5, Qur-1, VS-136. JUN 61968 2079E-0/ Friday/2130-2230/5-F/C Messier/ Arcturus/CA Steve/ no obs. JUN 71968 - 4-3. JUN 8 1968 - 4 JUN 91968 📜 l JUN 1 1 1968 -1 JUN 1 2 1968 i-1 JU11 1 1 1968 4 JUN 1 4 1968 + 20805 - 3/21500-15/400-1730/7-F/LCP/=/Echy Grand parents/Sunspot-II, CN-II.

JUN 1 5 1968 2081 EM-1/10-F/LCP-Minnow brook Station / 2200-0100/ - Little 300/ CN-3/Warren, gelf Vance.	0
JUN 17 1968 - (
JUN 1 8 1968 -/	
JUN 1 9 1968 -/	
JUN 2 0 1968 -/	
JUN 21 1968 -1	
JUN 22 1968 -/	
JUN 23 1968 -/	
JUN 2 4 1968 -1	
	0
JUN 2 5 1968 -/	
JUN 2 6 1968 -1	
JUN 27 1968 -1	
Jun 28 1968 -1	
Jon 29 1968 -1	
Jun 30 1968-1	
\sim	
	0

07 68 101 98 1963 Wed 2090 E-112300-2330 6-FILCP M-B/LS JULY 11968-1 JUL 2 1968-JUL 3 1968 - Wed 2082 M-1/0000-0030/7-4-UNF/LCP-M-S/Little Joel-1CD-3. Jul 4 1968 - Thu / 2083 E-56/2230-2330/7-F/LCP-M-B/Spie a/Warren Grundfest, Russell Green berg/ Luna, Deneb, B Cyg, & Mizar, M-13, M-57. 2084 m-10000-0400/10-F/LCP-M-S/LJ/-1CD-3. 20855-1/1100-1135/9-3-F/LCP-M-I/-9 others/ 55-2. JUL - 5 1968 - Fri / -1 111 61968 Sat 2086 E-0/2330-2350/7-F/LCP-M-B/Antares/ Stuart Levine/6-20875m-1/000-0345/7-F-10-F/LCP-M-Sb/ Little Joel-101-3 JUL -7 1968-Sun- 1. J. J. M. 901 P-Floor 1. 000 J. 2 PPO. 0. 8881 0 5 JUL JUL 81968 - Mon-2088EM-5/000-2130-0115/7-4-F/2CP-M-B) Spice, Antares, L3/Luna, Mizar, Alberio, CN-3, Palaris. Tue-20895-1/1030-1050/7-45-F1, LCP-M-I/ Antares SS-II 2088-Brian Fogel Rforkal R. Krupp D. Goldin Shabiro others. D. Berler Schour

JUL 98 1969	Wed 2090 E-1/2300-2330/ 8-F/LCP-M-B/LJ/-/ N-3. 2091E-2/1823-11000/9-F/LCP-M-I/ Enteres, Spice/others/	<
1 91 1 0 1968 T	h · SS-II.	
JUL 1 1 1988	2092E-1/2300-2330/4= 7-F/LCP-M-B/L3/-/CN-3	
JUL 1 1 1968		
JUL 12 1968	Jul 4 1968 - 71, 1 2083 5-56/2230-2330/7-6/109-M-B.	
	2084 m-110000-0400 / 40 P-6/40P-m-5/12	
1-9 others/	20853-1 1100-1135 9-3-FLCP-M-I	
JUL 1 5 1968 -		
JUL 1 6 1968 -	1UL-5 1968 - Fred / - 1	-0
JUL 17 1968	2093E-1/2300-0000/84F/LCP-M-I2/13/John Cys/CD-3.	
JUL 1 8 1968 -		
JUL 19 1968 -	2087611/0000-2345/7-10-61	
	20945-1/1100-1200/7-F/LCP-m-I/Spicalothers/255-2.	
	1 - Lais - OELS - OBASSON - M BRE B INL	
	Sorge Indexe (00000 11 - 20000 11 - 1000 1 - 10000 1 - 10000 1 - 10000 1 - 10000 1 - 10000 1 - 1000 1	
JUL 2 3 1968 2	20955-1/1750-1810/7-F/LCP-M-B/Spica/Jeff Winston/952	
	2096EM-12300-0230/1-10 F/LCP-M-I2/LJ/Dave	~
	P.Sheltra Other	-

07 68 July 24/25 Wed 1 July 25/26 Thu 1 July 26/27 Fri 2097EM-1 2330-0130 9-f LCP-M-Ia LJ CN3 July 27/28 Sat 1 July 28/29 Sun 2098S-1 1600-1630 10-f LCP-M-B Antares SS2 2099EM-1 2330-0130 10-f LCP-M-IV LJ CN3 July 29/30 Men 21005-1 1030-1100 10-f LCP-M-I Antares SS2 2030 July 30/31 Tue 2101AN-1 2030-0430 10-f LCP-M-B Spica LJ Delta Aquaria Meteer Watch 1968 - 506 meteers ebserved Supplementary Symbols used at Station "M" of LCP- Camp Minnewbrock I - between Bunk I and Astronomy Reem Substations Ia- inside or on perch of Bunk I S - Bathreem (small) second fleer Bey', House Sb - Bathreem (large) second fleer Bey's Heure B - Baseball field D - Deck T - Teakouse IV - inside or on perch of Bunk IV Instruments Spica - eight inch Criterien reflecter f-8 fl-62" cleck drive and circles Antares- six inch Criterion reflector f-8 fl-50" clock drive and circles leese rack & pinion

08 68 August 1/2 Thu 1 2/3 Fri 210251 1145-1200 9-f LCP-M-I Antares SS2 2103E-1 2230-2330 7-f LCP-M-B LJ J Van Ee, H Newman CN3 3/4 Sat 2104S-2 1730-1745 7-f LCP-M-B Antares J Van Ee CN5-SS2 2105EP-2 2255-2300 5-unf LCP-M-I John Cys CN5-AurI 2106S-1 1000-1015 6-f LCP-M-B Antares John Cys-Andy Zachary-David Berler-Mrs Berler SS2 210754-1 1100-1115 5-unf LCP-M-B CN5 4/5 Sun 21085-1 1600-1630 6-f LCP-M-H Antares SS#II 21095-5 1030-1245 9-f LCPENEI Antares, FurgueLJ-Spica-2.5"Tasco-2"Tasco-CN5-SS2. 5/6 Men 1 6/7 Tue 1 7/8 Wed 21105-2 1755-1810 3-f -LCPMM-B 2" refractor SS2-CN5 211152-2 1100-1130 3-f LCP-M-I Antares SS2-CN5 ZX 8/9 #hu 1 9/10Fri 1 21125-3 0900-0950 9-3 LCP-M-B Antares CN-54882 2113EM_4 2200_0015 7-3-2 LCP_M_B LJ_Spica M13_M57_DbCl Fer_Meen 10/11 21145-2 0900-1000 9-f LCP*M-B An+ares SunSS2 11/12 21155-1 1030-1130 9-f LCP-M-I An+ares SS2 2116EM-0 2100-0230 10-7-3-1-f LCP-M-B LJ-Spice Perseids A 12/13 13/14 2117EM-1 2115-0245 7-6-5-f LCP-M-B-IV LJ-Spica Perseids B _EN3 14/15 2118EM-1 2200-0130 10-7-f LCP-M-B-IV LJ CN3

16/17 17/18 Sa+	2119EM-1 2130-0 2120M2-1 0355-0 1			WE WE HEAT A POINT				0
16/17 17/18 Sa+	2120M2-1 0355-0 1	0445 7-3-f	LCP-M-I	V-B L.T	and the second			
2	1	2 and all			CN1-CN	3	are dia	
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21/22 Wed	1							
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23/24 Fri	1					5	and the	0
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And the second								
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29/30 Thu							The set	
30/31 Fri	2120-1 0030-0 2120-1 2300-	-0110 10-4	Sherringt	Wiener(n	LJ	DbCl Acothe	LT OND	
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81/32 Sat	212 Ju-5 2000-	-0510 7-10	-f Kenny	Wiener()	LJ J	M31-M33-Db	Cl-Saturn-C	N5-CN3
	1							0

09 68 September. 1/2 Sun 1 2/3 Mon 1 232810-30 2630-0100 10-4 107-1-10 10 003-015-11 3/4 Tue 1 PLANT SURE PRESERVER FLERING 4/5 Wed 5/6 Thu 212WH-0 0100-0115 5-unf LCP-UE LJ CN3 (no actual hunting) 2128M-1 0130-0145 6-unf LCF-UE LJ CN3 (10 min - recorded in 6/7 Fri CN3 book with 7/8Sat.) 7/8 Sat 2129AN-6 2100-0530 6-f(full mn; no hz) LCP-LE Pegasus Aur-I (+ve)-CNS-CN3. Independent discovery of 1968c (Honda.) 8/9 Sun 2130E-2 2300-2315 7-f LCP-ASC - CN5-AurI no obs 9/10 Mon 10/11 Tue 1 11/12 Wed 1 12/13 Thu 2131E-1 2115-2145 9-1-f LCP-A-WF LJ CN3 ****** Leslie C. Peltier Observatory Acadia University Station Substations WF- Field behind Wheelock Hall

Sep- 2		
13/14 Fri	1	0
14/15 Sat	1	
15/16 Sun	2132EM-3 2030-0100 10-f LCP-A-WF LJ CN3-CN5-AurI	
16/17 Mon	2133E-3 2045-2305 10-f LCP-A-WF LJ CN3-CN5-AurI	
17/18 Tue	2134E-1 2030-2250 9-92-f LCPMA-WF LJ CN3	
18/19 Wed	2135E-5 2025-2305 10-f LCP-AWWF LJ CN3-CN5-AurI	
19/20 Thu	2136E-6 2020-2335 10-f LCP-A-WF LJ CN3-CN-5-Aur I-Fireball	
	est, mag. minus 6. Statted near Hercules, went through	
	Ursa Major. heard sound?	
20/21 Fri	2137E-5 2030-2245 92-10-92-fL LCP-A-WF LJ CN3-CN5-AurI	
21/22 Sat.	2138AN-6 2015-0615 9-10 LCP-A-WF LJ CN3-CN5-Aur-I. CN3 record	0
21/22 Sat.	2138AN-6 2015-0615 9-10 LCP-A-WF LJ CN3-CN5-Aur-I. CN3 record 9h2Om hunting; 8h3Om without break; also saw Zodiacal	0
21/22 Sat.		0
	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time	0
22/23 Sun	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI	0
	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1	0
22/23 Sun 23/24 Mon	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1	0
22/23 Sun	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1	
22/23 Sun 23/24 Mon	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1	
22/23 Sun 23/24 Mon 24/25 Tue 25/26 Wed	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1 1 1	
22/23 Sun 23/24 Mon 24/25 Tue	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1 1	
22/23 Sun 23/24 Mon 24/25 Tue 25/26 Wed	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1 1 1	
22/23 Sun 23/24 Mon 24/25 Tue 25/26 Wed 26/27 Thu	9h2Om hunting; 8h3Om without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurT 1 1 1 1	
22/23 Sun 23/24 Mon 24/25 Tue 25/26 Wed 26/27 Thu 27/28 Fri 28/29 Sat	9h20m hunting; 8h30m without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurT 1 1 1 1 1 1 1	
22/23 Sun 23/24 Mon 24/25 Tue 25/26 Wed 26/27 Thu 27/28 Fri	9h20m hunting; 8h30m without break; also saw Zodiacal Light for first time 2139E-3 2100-2145 4-5-finf LCP-A-WF LJ CN3-CN5-AurI 1 1 1 1 1 1	

October	
1/2 Tue	2141E-3 2000-2115 7-3-2-f LCP-A-WF LJ CN3-CN5
2/3 Wed	1
3/4 Thu	1
4/5 Fri	1
5/6 Sat	1
6/7 Sun	21428-12 2030-2300 8-f- LCP-A-WF LJ CN3 AUT J
7/8 Mon	1
8/9 Tee	1
10/11 to The	2143E-3 2000-2105-7-F-LEP-A-WF L3 CN3 CN5 Aur-1

No observations for the rest of the month; most nights of which were cloudy (only 2 Or 3 clear)

November.	AST 11 68
1/2 Fri	2149E-1 2300-2315 6-7-f LCP-A-WF LJ Aurora-I - +ve - major display
3/4 Sun	
4/5 Mon	2145E-1 1900-1945 30F LCP-A-NF LJ CN3
5/6 Tue	
	21468-3 2000-2035 7-3-f LCP-A-WF LJ CN5-AurI-CN3
7/8 Thu	ł
to	
16/17	1
17/18	2147E-3 1945-2020 6-1 LCP-A-WF LJ CN5-Aurl-CN3
18/19	1
19/20	1
20/21	1
21/22	2148E-2 2225-2240 3-f LOP-A-WF CN5-AurI
22/23	1
23/24	1
24/25	1
25/26	1

26/27, Tuesday. 2149E-3 1940-2020 8-f LCP-A-WF LJ CN5-CN3-AurI 2//28, Wednesday. 2150E-3 1740-1815 7-f LCP-A-WF LJ CN5-CN3-AurI 2151E2-\$ 2220-2340 7-f LCP-A-PH-WF LJ CN5-CN3-AurI--11 Saturn,-DbClstr,M45-Luna.M4\$Handheld 'scope for EN5 for last 4) - M81-82 during EN3.

28/29, Thursday.]

1

29/30 Friday

30/31 Saturday

2152E-3 1939-2130 7-1 LCP-A-PH-WF LJ CN3-CN5-AurI

1 44

12 68

Decembe	T.
1/2	1
2/3	1
3/4	1 -
4/5	1
5/6	1
6/7	1
7/8	1
8/9	1
9/10	1
10/11	2153E-3 2230-2305 79 9-1 LCP-A-WF LJ CN5-CN3-Auri
11/12	2154F-4 1730-1815 6-9-f LCP-A-WF LJ CN5-CN3-AurI. 2155E2-23 1935-2000 9-3-f LCP-A-WF LJ Venus-M45-Constellation Study.
12/13 -	31/32 most nights were cloudy. A couple were clear and temp. was below zero. No observing