

METEOR PHOTOMETRY

BOOK 2

1. Can't find plate SL 36
2. Can't find a second meteor on plate ST 1705
3. ~~No. 8. 9. given films # 1797 to # ST 1716.~~
3. Can't find SL 211

- #1 on film SL 106, # 4973 } for copying
1. #1 " " ST 1757, # 4974
 2. SL 119 & ST 1769
 3. SL 144 & ST 1794
 4. SL 146 & ST 1296 - #3
 5. SL 379 & ST 1998
 - *6. SL 449 & ST 2161

1926	FA 11402	10 ^h 50 ^m	+30°	Dec 24-25 '49
1927	AI 42483	12 00	+15°	"
1928	FA 11700	07 50	+30°	"
1929	AI 42481	09 00	+15°	"
1930	FA 11637	05 20	+30°	Nov 27-28 '49
1931	AI 42429	6 30	+15°	"
1932	AI 42427	9 50	+15°	Nov 26-27 '49
1933	FA 11634	9 10	+30°	"
1934	AI 42572	14 40	+15°	March 17-18 '50
1935	FA 11851	14 20	+30°	March 17-18 '50
1936	KA 1661	13 10	0°	March 22-23 '50
1937	KB 1333	14 00	-10°	"
1938	KE 17	13 10	+15°	"
1939	KB 1258	9 00	-10°	Jan. 22-23 '50
1940	KA 1535	8 10	0°	"

mate to AI 42483

FA 11702

Mat on AF 4248/

11 " FA 11700

" " AI 42429

" " FA 11637

FA 11634

AI 42427 Tauris?

AI 42427 Tauris?

FA 11851

" AI 42572

" AI 42572

RAM Math HP1333 Same meter also on

 $\pi E, 7$

Same meter as KA1661 and KA17

Same method as TA1661 and TB1333

Male plate # HA 1535, but male meters
not found. This meter is questionable.
Male plate # B 1258, but male meter
not found.

male plate #B1258, but male not
used found.

1941	KA 1632	Pole		March 15-16 '50
1942	KA 1534	6 ^h 40 ^m	0°	Jan 22-23 '50
1943	KA 1529	9 40	0°	Jan 20-21 '50
1944	KA 1497	3 10	0°	Jan 7-8 '50
JW 1945	KA 1486	5 10	0°	Dec 23-24 '49
1946	FA 11689	6 10	+30°	Dec 21-22 '49
1947	FA 11827	11 20	+30	March 11-12 '50
1948	A 12892	10 09	-56.0°	April 10, '24
1949	KB 1248	9 40	-10°	Jan 19-20 '50
1950	KA 1524	9 30	0°	Jan 19-20 '50
1951	AI 42431	10 00	+15°	Nov. 27-28 '49
1952	FA 11640	8 50	+30°	Nov 27-28 '49
1953	FA 11914			
1954	AI 42619	14 40	+45°	Apr 16-17 '50
1955	FA 11674	8 40	+30°	Dec 15-16 '49
1956	KE 711	10 00	+15°	Nov 27-28 '49

- CDC REM D. And named no mate plate; ^{no explanation} Peculiar break pattern. Some doubt about it being a meteor
- CDC Had found on mate plate KB1257
- REM Mate meteor had found on plate KB1252 (mate plate)
- CDC No mate plate taken
- CDC No mate plate taken
- CDC no mate plate
- REM No mate plate taken Extreme vibration
D.A. had very bad weather
- M.O.
- CDC Mate plate is KA1524, but is meteor the same? Doubtful to F.W.W.
Mate plate is KB1248, but different meteor.
- CDC Mate plate is FA11640: possible meteor is marked there.
- REM. Mate plate is AI42431: very doubtful core
- REM Mate on AI42619
- REM Mate on FA11914
- CDC No mate Vehicle failure at Dove Mesa
- F.W.W. Doubtful meteor #1951 is off region for this plate

NOT LYRID

1957	KF 9	15 ^h 40 ^m	0°	Mar 19-20 '50
1958	AI 42584	15 ^h 40 ^m	+15°	Mar 19-20 '50
1959	AI 42461	5 30	+15°	Dec 17-18 '49
1960	FA 11833	14 00	+30	Mar 13-14 '50
1961	FA 11918	10 30	+60°	Apr 17-18 '50
1962	AI 42593	15 00	+15°	Mar 26-27 '50
1963	AI 42595	18 00	+15°	Mar 26-27 '50
1964	AI 42597 (a)	14 10	+15°	Mar 27-28 '50
	(KA 1016 good 18 JS)			
1965	AI 42597 (b)	14 10	+15°	"
1966	KA 1466 (a)	8 50	0°	Dec 17-18 '49
1967	KA 1466 (b)	8 50	0°	"
1968	KB 1185	8 00	-10°	Nov 25-29 '49

- REM Also on AT 42584 (same station)
KE not focused
- R.E.M. Also on KF9 (same station)
Wrong region taken at POC's station
- CDC Mate plates are FA 11676 & 11677
FA 11677 not yet found, for a check.
FA 11676 does not show a meteor
- REM Mate not yet found Plate taken off
region by POC
- R.E.M. No mate plate taken NOT LYRID
- REM No mate plate taken: station not manned
- REM No mate plate taken " " "
- REM No mate plate taken: no reason given
by POC The longer trail
- " No mate plate taken: The shorter "
- CDC KB1214 is actual mate. KB1215 is mate
in time but not in region. This plate
(KA1466) over ran region by 1 hr for reason
not given. The meteor nearer the center
- CDC { No mate: see KA1466 (a) note. This
second meteor is the one nearer the
plate edge } No KA plate that night
- REM { KA shutter was out

1969 AI 42525 } 10 40 +15° Jan 26-27 '50

1970 FA 11763 } 9 30 +30° " "

1971 AI 42528 (a) } 15^h 10^m +15° Jan 26-27 '50

1972 FA 11766 (a) } 14 00 +30° " "

1973 AI 42528 (b) } 15^h 10^m +15° Jan 26-27 '50

1974 FA 11766 b } 14 00 +30° " "

1975 AI 42582 } 12^h 30^m +15° Mar. 19-20 '50

1976 FA 11861 } 11 20 +30° " "

1977 AI 42571 } 13 30
~~14 21~~ +15° Mar 17-18 '50

1978 FA 11850 } 12 50
~~13 00~~ +30° "

1979 AI 42577 } 14 00 +15° Mar 18-19 '50

1980 FA 11856 } 12 50
~~13 00~~ +30° "

1981 AI 42579 } 17 00 +15° "

1982 FA 11858 } 15 50
~~16 00~~ +30° "

1983 ^{KB 1249} AI 42499 } 11 30¹⁰ -10°
+15° Jan 19-20 '50

1984 FA 11730 (a) } 11 00 +30° "

C.D.C

C.D.C

C.D.C

The longer trail Mate on FA 11766 (a)

C.D.C

The longer trail Mate on AI 42528 (a)

C.D.C

The shorter trail Mate on FA 11766 (b)

C.D.C

The shorter trail Mate on AI 42528 (b)

C.D.C

Mate on FA 11861

/

C.D.C

" " AI 42582

C.D.C.

Mate on FA 11850

/

C.D.C

" " AI 42571

C.D.C

Some doubt about this meter. Mate on FA 11850?

C.D.C

Some doubt about this meter. Mate on AI 42577?

C.D.C

Mate on FA 11858

C.D.C

" " AI 42579

C.D.C

Mate on FA 11730 (a)

C.D.C

Mate on AI 42499 The longer trail

1985 AI 42500 (b) } 13 00 +15° Jan 19-20 '50
 1986 FA 11730 (b) } 11 00 +30° "
 1987 AF 42500 (a) } 13^h 00^m +15° "
 1987

1988 AI 42508 } 9^h 20^m +15° Jan 22-23 '50
 1989 FA 11740 } 8 10 +30° "
 1990 FA 11729 9 30 +30° Jan 19-20 '50

1991 FA 11745 5 10 +30° Jan 23-24 '50

1992 KB 1264 } 11 20 -10° Jan 23-24 '50

1993 KA 1044 } 11 20 0° "

1994 KA 1617 } 8 30 0° Mar 10-11 '50

1995 KB 1312 } 9 20 -10° "

1996 KA 1717 } 13 30 -15° Apr. 20-21 '50

1997 KB 1375 } 14^h 10^m -20° "
~~14^h 20^m~~

1998 KB 1381 FWH } 15 40 -20° Apr 21-22 '50
~~16 00~~

1999 KA 1723 } 15 00 -15° "

CDC. Mate on FA 11730 The shorter trail
 CDC Mate on AI 42500 The shorter trail
 CDC Mate on FA 11731 ? Check!
 Checked later - again in 1952
 & mate could be found - for sure.
 Must remain a sample
 CDC Mate on FA 11740
 CDC " " AF 42508 Vibration !!
 CDC No mate found yet Check AI 42497
 CDC No mate taken Vehicle trouble
 CDC Mate on KA 1544 Very good meteor
 CDC " " KB 1204 " " "
 CDC Mate on KB 1312 Good " but both
 plates trailed.
 CDC " " KA 1617 " "
 CDC Mate on KB 1375 Possible Sgrid
 CDC " " KA 1717 "
 CDC Mate on KA 1723 Sgrid
 CDC " " KB 1381 "

4 16

			16 50		
	2000	KF 72 (a)	17 00 ^m	0°	May 14-15 '50
egg	2001	KB 1394	17 20	-20°	"
	2002	KA 1751 (a)	16 40	-15°	"
7	2003	KA 1751 (b)	16 40	-15°	"
	2004	KF 72 (b)	17 00 ^{16 50}	0°	"
	2005	KB 1297	11 00	-10°	Feb 21-22 '50
	2006	KA 1560	12 30	0°	Jan 26-27 '50
long	2007	KB 1276 (a)	12 40	-10°	"
	2008	KB 1276	12 40	-10°	Jan 26-27 '50
	2009	KA 1540 (a)	5 ^h 10 ^m	0°	Jan. 23-24 '50
	2010	KA 1540 (b)	5 ^h 10 ^m	0°	"
	2011	KA 1599	8 20	0°	Feb 23-24 '50
	2012	KA 1610	11 40	0°	Feb 27-28 '50
	2013	KA 1637	POLE	90°	Mar 17-18
	2014	KA 1678	13 10	+15°	Apr 7-8 '50

CDC Also on KB 1394 Mate is KA 1751
Brightest meteor

CDC Also on KF 72 Mate is KA 1751

CDC Mete on KB 1394 and KF 72

CDC This position is off KF 72 Check KB 1394
Should be found within circle, but nothing seen

CDC Off KB 1394 & impossible in position
Off KA 1751 Fainter meteor

CDC No mate plate taken. Observer ill.

CDC Mete on KB 1276

CDC Mete on KA 1560

CDC No mate KA 1559 should be checked

No mate seen on KA 1560

7^m interval between plates 5^m overexp.

CDC nearer Orion's belt. No mate plate taken

CDC The fainter meteor. No mate plate taken.

CDC No mate plate taken. Clouds & moon at D.A.

CDC No mate plate taken. Overcast at D.A.

CDC No mate plate taken. Overcast. Very long meteor

CDC No mate Rain at D.A.

2015	KA	1698	POLE	+90°	Apr 16-17 '50
2016	KA	1700	POLE	+90°	"
2017	KA	1722	12-00	-15°	Apr. 21-22 '50
2018	KA	1639	POLE 16 10 17 01	+90°	Mar 17-18 '50
2019	KB	1319		+80°	"
2020	KB	1395	18 ^h 40 ^m	-20°	May 14-15 '50
2021	AI	42527	13 ^h 40 ^m	+15°	Jan 26-27 '50
2022	KA	1623	13 20	0°	Mar 13-14 '50
2023	KA	1797	13 45 14 55	+60	June 8-9 '50
Foggy 2024	KB	1440		+45°	"
2025	KE	120	15 25 15 15	0°	"
Foggy 2026	KE	156		+15°	"
2027	KE	35	9 10	+15°	Apr 9-10 '50
2028	KE	29	11 30	+15°	Apr 6-7 '50
2029	FA	11770	13 00	+30°	Jan 27-28 '50

- CDC. No. mate plate. Freq. regulator ^{NOT GRID} failure at D.A. at 20:30
- CDC No mate found on possible mate ^{Had a Synd} plates: KB 1362, 1363, & 1364 Check!
- CDC No mate found in KB 1379 ^{Had a Synd}
- CDC Mate on KB 1319 (probably)
- CDC mate in KA 1639 (probably)
- CDC " " KA 1752? (Not yet found) Check!
REM
- CDC FA 11764 & 11765 possible mate plates
But apparently meter occurred in 3^m interval between these plates. Check.
- CDC Mate not found. Possible mates KB 1316, 1317; but power out at D.A. 0058
- CDC Mate in KB 1440 Good meter
- " Mate in KA 1797 " "
- REM Mate on KE 156 Good, long, meter
Same meter as # 29769 29771
- REM " " KF 120 " " "
- CDC No mate: sandstorm at D.A.
Doubtful coal
- CDC No mate - overcast at D.A.
- CDC No mate plate taken

2030	KE 46	16 00	+15°	April 13-14 '50
2031	KF 30	16 58	0°	April 13-14 '50
2032	FA 12162	23 03	+60°	Aug. 12-13 '50
2033	AI 42796	0 12	+45°	Aug. 12-13 '50
2034	KB 1522	1 14	0°	Aug. 10-11 '50
2035	KF 203	1 49	0°	Aug. 10-11 '50
2036	KA 1935	1 10	+15°	Aug. 10-11 '50
2037	KA 1691	16 00	-15°	April 13-14 '50
2038	KB 1354	16 58	-20°	April 13-14 '50
2039	KF 229	1 43	0°	Aug. 20-21 '50
2040	KA 1969	1 05	+15°	Aug. 20-21 '50
2041	KB 1561	2 18	0°	Aug. 20-21 '50
2042	AI 42799	22 46	+45°	Aug. 13-14 '50
2043	KB 1535	21 59	+45°	Aug. 13-14 '50
2044	MF 38928	21 11	+15.0	May 20-21 '50
2045	MF 38919	18 26	-30.0	May 20-21 '50

- C.D.C. Mate plate KF 30 Same meteor as
(Terrible vibration) KA 1691 & KB 1354 (#2038)
- C.D.C. Mate plate KE 46
- C.D.C. +
R.F.M. Mate plate AI 42796 Perseid
- C.D.C. +
R.F.M. Mate plate FA 12162 "
- C.D.C. Mate plates KA 1935 and KF 203 Perseid
- C.D.C. Mate plates KB 1522 and KA 1935 "
- C.D.C. Mate plates KB 1522 and KF 203 "
- C.D.C. Mate plate KB 1354 Not a Squir
Same meteor as KE 46 & KF 30 (#2031)
- C.D.C. Mate plate KA 1691
- C.D.C. Mate on KA 1969. Corres. trail KB 1561
- C.D.C. Mate on KF 229 and KB 1561
- C.D.C. Mate on KA 1969. Corres. Trail on KF 229
- C.D.C. +
REM No mate - FA 12166 running off region due to overcast
Corres. trail on KB 1535 Not a Perseid
- C.D.C. +
R.F.M. No mate - FA 12166 running off region due to overcast
Corres. trail on AI 42799
- D.H. Oct 16 '50
- D.H. Oct 16, '50 Some uncertainty. ? by D.H.

2046	AI 42797 ^{FUN}	1 ^h 42 ^m	+45°	}	Aug 12-13 '50
2047	FA 12163	0 35	+60°		"
2048	KE 275	0 4	+60°		"
2049	AI 42782 ^{FUN}	1 30	+45°	}	Aug 9-10 '50
2050	FA 12146	0 20	+60°		"
2051	KE 262 a	0 0	+60°		"
2052	KE 262 b	"	"		"
2053	FA 11891	11 45	+60°	}	Apr 7-8 '50
2054	AI 42607	13 15	+45°		"
2055	KA 1768 a	17 00	-15°	}	May 19-20 '50
2056	KB 1411 a	17 36	-20°		"
2057	KB 1411 b	17 36	-20°		"
2058	KA 1768 b	17 00	-15°	}	"
2059	FA 12038	18 25	+60°		June 17-18 '50
2060	AI 42714	19 31	+45°		"

CDC REM Male plates KE 275 & FA 12163 Visual
 Bright burst or flare ad evl. Perseid
 CDC REM Male plates AF 42797 & KE 275 Visual
 Bright flare ad evl Perseid
 CDC REM Male plates AI 42797 & FA 12163 Visual
 Perseid
 CDC REM Male plate FA 12146 Perseid
 CDC REM Male plate AF 42782 " Also on
 KE 262
 CDC REM Male plates AF 42782 & carries trail on
 FA 12146 Short bright trail
 " Long faint trail Perseid
 Suspicion ^{sage} trail m FA 12146.
 CDC Male on AF 42607?
 CDC REM Male m FA 11891?
 CDC Male plate KB 1411 a shorter, brighter trail
 CDC Male plate KA 1768 a shorter, brighter trail
 " " KA 1768 b longer fainter trail
 " " KB 1411 b " "
 CDC REM Male on AI 42714 Visual
 CDC " FA 12038

2061 AI 42731 $18^h 40^m +45^\circ$ } June 24-25 '50

2062 FA 12064 $17 35 +60^\circ$ } "

2063 KB 1551a $21 56 0^\circ$ } Aug 19-20 '50

2064 KA 1961a $22 00 +15^\circ$ } "

2065 KB 1551b $21 56 0^\circ$ } "

2066 KA 1961b $22 00 +15^\circ$ } "

2067 KF 222 (a) $22 39 0^\circ$ } "

2068 KF 222 (b) " " "

2069 KB 1554 $0 55 0^\circ$ } "

2070 KA 1962 $23 30 +15^\circ$ } "

2071 KF 223 a $0 39 0$ } "

2072 KF 223 b " "

2073 KF 193 a $22^h 00^m 0^\circ$ } Aug 9-10 '50

2074 KB 1505 a $21 16 0^\circ$ } "

2075 KA 1926 $21 20 +15^\circ$ } "

CDC

Note on FA 12064

Visual

{ CDC
 1 REM
 CDC

Note on AI 42731

Note on KA 1961a also on KF 222
 Brighter meteor, beautiful, bright flare
 near end Visual.

Note on KB 1551a. also on KF 222
 See note above Visual

CDC

Note on KA 1961b also on KF 222
 The fainter meteor Visual

CDC

Note on KB 1551b. fainter meteor
 Visual

CDC

Note plate KA 1961(a) also on KB 1551(a)
 Brighter meteor Not Perseid

"

Note plate KA 1961(b) also on KB 1551(b)
 fainter meteor Not a Perseid

CDC

Note on KA 1962 also on KF 223
 Scattered probably

CDC

Note on KB 1554. also on KF 223 Visual
 Not Perseid

Scattered probably

CDC
 1 REM

Note plate KA 1962 also on KB 1554
 Longer trail

"

Shorter trail Note not found

CDC

Note on KB 1508, KA 1926 The brighter
 meteor

CDC

Same as KF 193a. The brighter meteor

CDC

Note to KB 1508a and KF 193a
 Possible Perseid? Direction seems wrong
 for Perseid

2076 KF 193 (h) } ^{not a real pair} 22^h 00 0° Aug 9-10'50

2077 KB 1508 (h) } 21 16 0° "

2078 AI 42503 } 19 36 +45° Aug 18-19'50

2079 FA 12170 } 18 27 +60° "

~~2078~~ 2080 KB 1516 } 19 20 0° Aug 10-11'50

~~2079~~ 2081 KA 1931 } 19 25 +15° "

2082 KF 199 } 20 04 0° "

2083 KA 1928 } 20 20 +15° Aug 9-10

2083 KF 195^{FUN} } 1^h 00 0° Aug 9-10'50

2084 KB 1512 } 0 53 0° "

2085 AI 42631 } 17 50 +45° Apr 19-20'50

2086 FA 11928 } 16 30 +60° "

2087 KE 152 } 19 0 +15° Jun 7-8'50

2088 KF 116 } 19 06 0° "

2089 AI 42696 a } 17 30 +50° June 8-9'50

2090 FA 12014 a } Pole "

- CDC Family meteor; not certain;
~~corresponding~~ trail (b) on KB 1508 (b)
- CDC Family meteor; not certain;
 not (b) on HF 193
- CDC REM) Mate on FA 12170. From direction
 might be Perseid, though late in time
- CDC REM) Mate on AF 42803. From direction
 might be Perseid, though late in time
- CDC Mate plate KA 1931 also on HF 199
 not a Perseid Visual
- CDC Mate plate KB 1516, also on HF 199
 not a Perseid
- CDC Mate plates: KA 1931 and also seen
 on KB 1516. Not a Perseid
- CDC ~~KB 1512~~ has possible mate
- CDC REM) Corresponding trail to KB 1512?
 Mate not seen on KA 1928
- PSC Corresponding trail to HF 195?
 Not sure
- CDC FA 11928 is mate plate
 Visual that night, but not this meteor
- CDC Mate on AF 42631 Not a Perseid
- CDC Mate on HF 116 Visual Vibration
 02 34 53 ± 1 sec away - wed fast
- CDC Mate on KE 152
- CDC Longer trail Mate on FA 12014
- CDC Mate on AF 42696a Longer trail

2091 AI 42696 (b) } $17^h 30^m +80^\circ$ June 8-9 '50

2092 FA 12014 (b) } Pal " "

2093 KA 1863 } $20^h 20^m +15^\circ$ July 9-10 '50

2094 KB 1476 (a) } $21^h 27 +45^\circ$ " "

2095 KF 162 } $16 47 0^\circ$ July 14-15 '50

2096 KE 197 } $16 11 +15^\circ$ " "

2097 AF 42621 } $17 40 +45^\circ$ Apr 16-17 '50

2098 FA 11916 a } $16 30 +60^\circ$ " "

2099 FA 11916 (b) " "

2100 AI 42612 $11 36 +45^\circ$ April 15-16 '50

2101 FA 11907 $10 15 +60^\circ$ " "

2102 AI 42616 $17 36 +45^\circ$ April 15-16 '50

2103 FA 11911 $16 00 +60^\circ$ " "

2104 KA 1972 } $22 20 +15^\circ$ Aug 21-22 '50

2105 KF 232 } $22 45 0^\circ$ " "

2106 KB 1564 (a) $22 10 0^\circ$ " "

CDC Mate on FA 12014 to shorter trail

CDC Mate on AF 42696 to "

CDC Mate on KB 1476 (a)

CDC Mate on KA 1863

CDC See mate plate KE 197; meter there
Could not be on Aquarid

CDC See mate plate HF 162; meter there
not too certain Could not be Aquarid
Visual

CDC Mate on FA 11916 (a)

~~CDC~~ ^{FWW} Mate to AF 42621

NOT LYRID

CDC Doubtful cone.; the very short trail
NOT LYR.

CDC Not a Lyrid Mate plate is FA 11907
but mate not seen there

CDC Possible mate to AF 42612, but position
is not right - to FWW.

CDC Doubtful meter. Possible mate
on FA 11911, but doubtful
NOT LYRID

CDC Very doubtful. Possible mate plate
in AF 42616

REM
CDC Not a Perseid Mate is KB 1564 (a)

" Visual, corresponding trail on KB 1564
& mate on KA 1972
Mate in KA 1972. The longer, brighter trail

2107 KF205 ^C_{FWJ} 1 08 0° Aug 11-12 '50

2108 KF205 ^{FWJ} b_r " "

2109 KF205 ^{FWJ} a_r " "

2110 KB1525 10 38 0° Aug 11-12 '50

2111 KB1526 a_r 11 23 0° "

2112 KB1526 b_r " "

2113 KA1756 18 15 -15° May 15-16 '50

2114 KA1746 a_r 16 30 -15° May 12-13 '50

2115 KA1746 b_r " "

BB 2116 FA11932 13 ³⁰₄₅ +60° April 20-21 '50

2117 KE178 19 40 +15° June 18-19 '50

2118 FA11906 17 30 +60° Apr 13-14 '50

2119 KA1573 0° Feb 14-15 '50

#2107 = same meter as #2111 (same station)

CDC 3 meters on this plate in Visual
9 Perseids (a) = #1 on plate: brightest

" 03 01 58 (= 3 times in Visual (faintest)
03 51 41 (b) = #2 on plate, 2nd brightest

" 04 04 53 (c) = #1 on plate, faintest brightest

No meteors because HA = run off region due to
overcast in regular region

CDC See visual on KF 205 Perseid (visual)
HA 1936938 should be checked. Some change in region
because of overcast

" Brightest meter on plate. Probably (yes)
same meter as #1 on KF 205

" (numbered 2107 = KF 205 a) Perseid
Perseid ~~had~~ seen on KF 205 =

KF 205 b corresponding trails.

" No mate plate taken. Lens trouble
at D.A.

" Southern meter on plate. Comes
from direction of grains. No mates
found on KB 1388 either for #2114 nor 2115

" Northern meter on plate. Could not
be an Aquarid. Mate not found on
KB 1388

CDC Syrid No mate found on AI 42635
POSS. LYR.

" Mate plate KF 143 has cls 7.6 at start,
- meter not found there. Visual

CDC not found on AF 42610 & 42611 (Catcher
overlaps used in time) Doublet for core

CDC No mate D.A. did not start till
6 hours later. Vehicle trouble, generator
trouble, KB shutter cable broken

- 2120 KF16 14 47 0° Mar 26-27 '50
- 2121 FA 11815 11-45 $+30^{\circ}$ Feb 27-28 '50
- 2122 KA 1474 8 0° Dec 20-21 '50
- 2123 KA 1551 0° Jan 25-26 '50
- 2124 KA 1565 0° Jan 27-28 '50
- 2125 ~~KA 1589 11 30 0° Feb 18-19 '50~~
- ↓ KB 1399 16 08 -20° May 16-17 '50
- 2126 KA 1608 14 30 0° Feb 24-25 '50
- 2127 KA 1615 6 30 0° Mar 10-11 '50
- 2128 KA 1622a 12 00 0° Mar 13-14 '50
- 2129 KA 1622b 12 00 0° "
- 2130 KA 1634 $+90^{\circ}$ Mar 15-16 '50
- 2131 KA 1674 11 45 $+15^{\circ}$ Apr 6-7 '50
- 2132 KA 1764 12 30 -15° May 19-20 '50
- 2133 KA 1767 15 30 -15° May 19-20 '50

- CDC No mate plate taken. Severe dust storm the night & day before. No record for Mar 26-27.
- CDC No mate plate taken - overcast at D.A.
- CDC No mate plate seen at D.A. Had a Gemini
- CDC Not found on possible mate plate KB 1267
- CDC No mate plate taken
- CDC Plate edge. Had too, certain for KA1589
- CDC { NO ^{KB 76} ^{corresponds to} ^{plate taken} ^{KB 1284 = mate plate} ^{KB 1308}
- CDC Mate plate developed at 55° KB 1308
Mate observer fell asleep
also developed at 55° KB 1307
- CDC Mate plate developed at 55°F & started late, due to repairs. No mate meter
- CDC Mate plate times do not coincide
Mate not found
Power out D.A. at 0058. (a) = bright meter
- CDC Faint meter on plate
No mate see mate for KA1622a
- CDC No mate plate taken
- CDC No mate - overcast at D.A.
- CDC No mate found KB 1408 is mate plate
- CDC No mate found on KB 1410

- 2134 KA 1836 16^h30^m 0° June 20-21 '50
- 2135 KA 1848 19 45 +15° June 23-24 '50
- 2136 KA 1862 18 50 +15° July 9-10 '50
- 2137 KA 1881 19 29 +15° July 19-20 '50
- 2138 KA 1940a 22 18 +15° Aug 12-13 '50
- 2139 KA 1940b 22 18 +15° "
- 2140 KA 1943(Q) 23 03 +15° Aug 12-13 '50
- 2141 KA 1943(b) " "
- 2142 AI 42550 11 37 +15° Feb 21-22 '50
- 2143 AI 42641 16 30 +45° Apr 21-22 '50
- 2144 KF 170 20 23 0° July 23-24 '50
- 2145 KE 38a 13 45 +15° Apr 9-10 '50
- 2146 KE 38b " "
- 2147 KE 39 15 15 +15° "

- CDC No mate plate KB1466 : meter not found there Visual Very faint on plate
- CDC No mate taken - Clock trouble Visual 02 46 00 (MST)
- CDC Doubtful meter. No mate or KB1475
- CDC No mate Rain at D.A. Visual
- CDC Brighter meter No mate. Plate run off region not processed
- CDC No mate Plate run off region not processed
- CDC { Brighter meter Not processed, probably, but (a) is possible
Run off regular region because
clouds, but check 17 209 and 210
for possible mate. No mate found
- CDC Fainter meter. See note for (a)
- CDC No mate plate taken. Observer ill.
- CDC No mate found on FA11938 Visual
Visual at 01-45-38 $8^{\circ} S$ of Vega
2" long 10 or -1 mag) Lyrical, yellowish
Doubtful meter NOT LYRID
- CDC No mate plate taken. Meter not too certain
- CDC No mate - Dust storm at D.A.
Shorter & brighter trail
- CDC Longer & fainter trail NO mate
- CDC No mate Sandstorm at D.A.

- 2148 KB 1391 13 01 -20° May 14-15 '50
- 2149 IF 44 12 50 0° Apr 19-20 '50
- 2150 KE 111 (a) 16 30 $+15^{\circ}$ May 15-16 '50
- 2151 KE 111 (b) " "
- 2152 FA 11233 0 10 $+30^{\circ}$ Aug 11-12 '49
- 2152 KE 162 } 16 47 0° July 14-15 '50
- 2153 KE 197 } 16 11 $+15^{\circ}$ " "
- 2153 AI 42451 11 0 $+60$ Dec 13-14, '49
- 2154 KE 66 12 00 $+15^{\circ}$ Apr 19-20 '50
- 2155 FA 11727 a $+30^{\circ}$ Jan 19-20 '50
- 2156 FA 11727 b $+30^{\circ}$ "
- 2157 FA 11817 14 45 $+30$ Feb 27-28 '50
- 2158 FA 11900 12 00 $+60^{\circ}$ Apr 12-13 '50
- 2159 FA 12050 19 40 $+60^{\circ}$ June 22-23 '50
- 2160 FA 12032 20 48 $+20^{\circ}$ "
- 2161 FA 12024 c $+90^{\circ}$ June 10-11 '50

CDC No mate on KA1748 Had a certain case

CDC Doubtful case. The longer trail is the one numbered here. Other too? (for No. Had a sized

CDC Longer trail No mate plate Clouds

HJS " Shorter trail " had found on mate plate

CDC Mate is on KE197 Had as certain as most pairs, but good possibility; good meters

" Mate is on KF162 Visual
CDC 2149.51 Brief train 0.1 mag No mate plate
white, MF 2° S, x C.B. W SW 5° long

CDC Doubtful meters Mate plate KF44 examined. Meter there but in wrong position for mat? Had a sized

CDC Longer trail Mate plate AI42496 completely fogged. KB also fogged
" Shorter trail. See note for (4)

CDC No mate plate taken Overcast at D.A.

CDC No mate plate Overcast at D.A. Good long meter, but vibration!

CDC No mate, overcast at D.A. Beautiful meter

CDC No mate - clock & transportation troubles
Visual at 03 34 39

CDC The longer fainter meter Visual
03 58 10, blue, 1st mag

2162 FA 12024b +90° June 10-11 '50

BB 2163 FA 11924 1030 +60° April 19-20 '50

Plotted to
here on first

2164 AC 41861 (a) 7 13 +60.0 Dec 13-14 '50

2165 AC 41861 (b) " "

2166 RH 15546 9 05 +59.5 "

2167 RH 15544 5 38 +90.0 "

2168 RH 15543 4 00 +90.0 "

2169 AC 41862 8 00 0.0 "

2170 KA 1994 22^h 27^m +14° } Sept 10-11 '50

2171 KF 251 (1) 23 06 0° } "

2172 KB 1588 (1) 23 11 0° } "

2173 KF 251 (2) 23 06 0° "

2174 KB 1588 (2) 23 11 0° "

2175 KB 1588 (3) " "

CDC No visual for this meter - the shorter, brighter one. No match.
 CDC rain & overcast at D.A.
 → AI 42625 broken, but one piece salvaged
 This plate must be checked POSS. LYR.

WHP The longer trail, proceeds in id. as.
 Gemmud

WHP The shorter trail, follows in id. as.
 Gemmud

FWW Gemmud!

FWW Gemmud probably

FWW Probably Gemmud

FWW Not a Gemmud.

CDC REM Match to KB1588 (#1) & KF 251 (#1)
 1 & 2 of KF 251 may be in same shower (Piscis)
 " Match to KA1994 Corresponding plate - KB1588

" Corresponding plate is KF 251 (1) Match on
 KA1994

" Corresponding plate is KF 251 (2) No match

" The fainter meteor, near #1 No match,
 though corresponding meteor on KF 251 (2)
 " The brightest and most northern trail
 No match

2176	AI 42987	7 ^h 15 ^m	+63°	} Nov. 16-17, '50
2177	FA 12386	5 ^h 21 ^m	+75°	

2178	KE 259	21 05	+60°	Aug 9-10 '50
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2179	AI 42989	9 55	+63°	} Nov. 16-17 '50
2180	FA 12388	8 06	+75°	

2181	KA 2184	12 15	+25°	} Nov. 17-18 '50
2182	KB 1789	11 53	+15°	

2183	KF 398	5 45	0°	Nov. 14-15 '50
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2184	KA 2164 ^{FWD}	9 03	+25°	Nov. 14-15 '50
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2185	AI 42772	20 56	+45°	} Aug 8-9, '50
2186	FA 12135	19 48	+60°	

2187	KE 248	19 48	+60°	"
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2188	FA 12134 ^{FWD}	18 18	+60°	"
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2189	AI 42771 ^{FWD}	19 26	+45°	"
------	-------------------------	-------	------	---

2190	KE 245	17 34	+60°	"
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- CDC Mate on FA 12386 Beautiful meteor
Leonid? ~~No~~ Yes (latest - Feb 17 '51)
- " Mate on AI 42987 (Partly off plate)
Leonid? (Louger trail) (a)
- CDC No found on mate plate (Mi)
- ED
- CDC Mate on FA 12388 Leonid Good meteor
- CDC Mate on AI 42989 "
- CDC Mate on KB 1789 Leonid Flare.
- CDC Mate on KA 2184 " "
- CDC No mate found on KE 466 Possible faded
- CDC No mate plate on KB Leonid
- CDC KE 248 & FA 12135 are mate plates
Had a Perseid Rad. ^{bet.} near Cygnus & Draco's head
- CDC Mate plate is AI 42772 & corresponding plate
is KE 248 Visual. Had a Perseid Rad near Cygnus
& Draco's head
- CDC Corresponding plate is FA 12135
Mate plate is AI 42772 Visual
- CDC Mate plate is AI 42771 Had a Perseid
Radiant near rad. y FA 12135 Visual
- CDC Mate plate is FA 12134 Had a Perseid
Radiant near rad. y FA 12135
- CDC Mate plate is AI 42771
Corresponding plate is FA 12134

2191	KF 192 ^{FWV}	20 ^h 30 ^m	0°	} Aug. 9-10 '50
2192	KA 1925 ^{FWV}	19 50	+15°	
2193	KB 1507 (G)	20 15	0°	
2194	KB 1507 (R)	"	"	} "
2195	KA 1924 ^{FWV}			

2196	KF 185 ^{FWV}	20 26	0°	Aug 8-9 '50
2197	KB 1500	20 44	0°	"

2198	FA 12148	19 25	+60°	Aug 10-11 '50
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2199	KB 267	19 55	+60°	"
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2200	FA 12157 (a) ^{FWV}	0 54	+60°	} Aug 11-12 '50
2201	AI 42792 (a) ^{FWV}	1 38	+45°	

2202	FA 12157 (h)	0 54	+60°	"
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2203	AI 42792 (h) ^{FWV}	1 38	+45°	"
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2204	FA 12155a ^{FWV}	22 59	+60°	"
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2205	AI 42791			(used in Cambridge)
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2206	KE 273(a)	23 ^h 0 ^m	+60°	"
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- CDC Mate plate KA 1925 Had a Perseid
 Had maybe same as that, Aug 8 near
 Droob's head KB 1507(a) corresponding plate
- CDC Mate to KF 192 and KB 1507(a)
- CDC Corresponding plate is KF 192: Mate on KA 1925
 Northern trail
- CDC Southern trail. Mate on KA 1924
 Same radiant - near Droob's head?
- CDC Visual Mate is KB 1507 (b)
 Same radiant as Aug 8-9, near Droob's head?
- CDC Corresponding plate KB 1500 Visual
 Same shows as AI 42772? (near Droob's head)
 Corres. plate to KF 185. Mate plate to both,
 KA 1917 does not show ~~either~~. Visual
- CDC Corres. plate KF 267 Perseid? Visual
- CDC Corres. plate FA 12148 Perseid? Visual
- CDC Mate on AI 42792 (a) Perseid #1 on plate FA 12157
 the longer & northern trail
- CDC Mate on FA 12157 (a) Perseid #1 on the AI plate
 the longer, brighter trail, northern & #3
- CDC Mate on AI 42792 (b) Perseid #3 on FA plate
 South & #1 on plate
- CDC Mate on FA 12157 (b) Perseid #3 on AI plate
 South of #1 on plate
- CDC Corresponding plate is KE 273. AI 42791 must be
 examined for mate Perseid probably
 Western meteor on plate
- CDC Corresponding trail is FA 12155 See # 2750

2207 KE 273 (C) 23^h 0^m +60°

Aug 11-12, 1950

2208 FA 12157 (C) 0 54^{FWW} +60°2209 AI 42792 (C) 1 38^{FWW} +45°2210 FA 12161 0 18^{FWW} +33°

Aug 12-13, 1950

2211 FA 12159; 18 33^{FWW} +60°

2212 KE 274 - 18 19 +60°

2213 FA 12166^{FWW} 21 35 +60°

Aug 13-14, 1950

2214 FA 12168^{FWW} 0 37 +60°

2215 KE 278 - 0 11 +60°

2216 AI 42801^{FWW} 1 46 +45°

2217 KE 277 a 23 3 +60°

2218 KE 277 c

2219 KE 277 d

2220 KE 277 b

CDC

CDC The meteor right in constellation of Perseus
Probably Perseid. #2 on plate. Mate on AI 42792c?
CDC = #2 on plate had too certain, but
probably dr.

CDC off plate on mate plate AI 42795 (Not a Perseid)
Beautiful meteor, long, with flare; Visual

CDC No mate - complete overcast at D.A.
Corres. trail on AI 274 Not a Perseid

CDC & REM No mate: complete overcast: corresponding trail
on FA 12159

CDC Probably single station meteor. Not yet found
on TP 1535 or AI 42799 Perseid, Visual

CDC Corres. plate TE 273 Northern meteor marked
on plate (labelled "a") Visual Perseid prob.
Corres. trail to FA 12168 Visual

Mate plate to both *2214 & *2215 is AI 42801, but
meteor there is in wrong direction for mate?

CDC Northern trail (labelled "a" on plate) Perseid??
Other marks not worthy of number?

CDC Corresp. trail should be FA 12168 (n.s.) Mate plate (Visual)
AI 42801a but had seen this before. Seen on AI, but
not on FA (FWW) Not a Perseid (FWW)

CDC ^{but goes with TP 1536 tr. for mate} Visual Perseid. Need AI 42800 for
inspection; possible mate might be here

CDC Perseid? Need possible mate AI 42800
for inspection

CDC Not a Perseid. Need AI 42800 for
inspection

Note: AI 42800 yields nothing further

- 2221 KA 1949 } 0 43^m +15° Aug 13-14 '50
- 2222 KB 1539 } 1 38 0° "
- 2223 KA 1938^{F.W.} } 5 14 +15° Aug 11-12 '50
- 2224 KA 1945^{F.W.} } 0 33 +15° Aug 12-13 '50
- 2225 KF 211^{F.W.} } 1 12 0° "
- 2226 KB 1534 } 1 50 0° "
- 2227 KF 215 19 06 0° Aug. 18-19 '50
- 2228 KA 1952^{F.W.} 18 27 +15° "
- 2229 AB 1541 18 49 0° "
- 2230 KE 281 21 10 +60° Aug 19-20 '50
- 2231 KE 284 0 10 +60° "
- 2232 FA 12185 22^h 05^m +60° Aug 20-21 '50

CDC Mate on KB1539 Visual Perseid

CDC Mate on KA1949 " "

CDC No mate because clouds Visual Perseid

CDC Had Perseid Visual Mate on KB1534 & KF211

CDC Mate on KA1945 Comes plate is KB1534 Had Perseid

CDC Comes plate is KF211 Mate plate KA1945

CDC KA1952 has a meter & is a mate plate, but position is not right for this meter to be a mate to KF215, as it seems to F.W.O. Not Perseid

CDC KF215 is a mate plate, but meter here does not seem possible as a mate with KA1952, F.W.O.

CDC Although possible in time, meter here does not seem a mate to KA1952 Nos. 2227, 2228, & 2229 connected to Perseid they may, however, all three belong to same shower

CDC No mate found KF222 overlaps only front of time & KF221 the red, the time; but observations were not in agreement anyway Had a Perseid & trailed plate

CDC Visual Had Perseid Possible mate of AI42811 (had seen by F.W.O.)

CDC Not a Perseid. Mate not found on AI42814

2233 FA 12186 } $23^h 35^m + 60^\circ$ Aug 20-21 '50

2234 AI 42815 } 0 43 +45° "

2235 KE 289 } 0 20 +60° "

Sub B 2236 AI 42832 } 2 25 +45° Sept 7-8 '50

2237 FA 12205 } 1 15 +60° "

2238 KE 300 } 1 00 +60° "

2239 AI 42998a } 8 15 +30° Dec 8-9 '50

2240 FA 12397a } 8 33 +40° "

2241 AI 42998b } 8 15 +30° "

2242 FA 12397b } 8 33 +40° "

2243 AI 42998c } 8 15 +30° "

2244 FA 12397c } 8 33 +40° "

2245 KB 1793 2 37 -21° "

- CDC Mate plate AI 42815 Had a Perseid
Comes. plate KE 289 Visual
- CDC Mate plate FA 12186 Had a Perseid
- CDC Comes plate is FA 12186 Mate on AI 42815
Vis does not apply
- CDC No. 1 on plate 20" long. Beautiful specimen
REM 63 breaks Mate in FA 12205 & on KE 300
- CDC:REM Mate in AI 42832 Visual
- CDC:REM Comes trail is FA 12205
- CDC Beautiful trail, with bursts. At least 48 breaks
Mate is No. 1 or FA 12397a Gemmid
- CDC Visual Mate on AI 42998a Gem
Drive stopped & trailed
- CDC Exceedingly bright, fireball probably.
Mate on FA 12397b Comes from
crissallotum Gemmids, but cannot
belong to same radiant prob. in FHL's Gem.
Paper Visual
- CDC Visual: Probably a fireball, but not
from established Gem. radiant (FHL's/other)
- CDC faintest meteor on plate. Not a Gem
(FWW) unless there is another radiant.
- CDC Mate is AI 42998c
- CDC Faint meteor. Not real sure, but seems
OK to FWW. No mate plate taken.

2246 KA 2191 } $6^h 3^m -15^\circ$ Dec 8-9 '50

2247 KB 1798 } $6 37 -21^\circ$ "

2248 AI 43008 a } $6 19 +30^\circ$ Dec 9-10 '50

2249 FA 12410 a } $6 37 +40^\circ$ "

2250 AI 43008 b } $6 19 +30^\circ$ "

2251 FA 12410 b } $6 37 +40^\circ$ "

2252 AI 43008 c $6 19 +30^\circ$ "

2253 AI 43015 } $14 19 +30^\circ$ "

2254 FA 12417 } $14 37 +40^\circ$ "

2255 KA 2198 a $0^h 7^m -15^\circ$ "

2256 KA 2198 b " "

2257 KA 2190 } $6 3 -15^\circ$ Dec 8-9 '50

2258 KB 1797 } $6 37 -21^\circ$ "

2259 KA 2202 a } $4 7 -15^\circ$ Dec 9-10 '50

2260 KB 1807 a } $4 42 -21^\circ$ "

- REM Gemmid. Mate m KB 1798 No visual
- REM " Mate m KA 2191
- REM Meteor near Pollux. Gemmid probably
Mate m FA 12410 a
- REM Mate to AI 43008 a Gemmid
- FWW Mate m FA 12410 b Not Gemmid
- FWW Mate m AI 43008 b " "
- FWW faint trail, west northern on plate
Not Gemmid No mate found
- REM Mate m FA 12417 - Gemmid
- REM Mate m AI 43015 "
- CDC No mate plate; no visual; Corgeest
trail Probably not Gemmid ^{Corgeest trail on}
#1-25 (#2541)
- CDC ~~No~~ mate plate, no visual; shorter
trail. Not Gemmid Mate: KB 1803 (#2542)
- REM Split Meteor Gemmid Mate on KB 1797
no visual
- REM Split meteor Gemmid Mate m KA 2190
no visual
- REM Southern meteor Gemmid Mate m KB 1807
no visual
- REM Southern meteor Gemmid Mate on KA 2202
No visual Other mate m K-1-32a (#2555)

2261	KA 2202 b	} 4h 47 ^m - 15°	Dec 9-10 '50
2262	KB 1807 b		"
2263	AI 43016	} 14 19 + 30°	"
2264	FA 12418		"
2265	FA 12414 a	} 10 37 + 40°	"
2266	AI 43012 a		"
2267	FA 12414 b	} 10 37 + 40°	"
2268	AI 43012 b		"
2269	AI 43012 c	} 10 19 + 30°	"
2270	FA 12414 c		"
2271	FA 12413	} 10 37 + 40°	"
2272	AI 43011		"

Other mate is RF 429 (#2553)

- REM Northern meter, Much slower
had a Geminid Mate on TB 1807 b
- REM Northern meter, Much slower, Other mate TB-32 (#2552)
Other mate on F-1-32 (#2554)
had a Geminid Mate on FA 2202 b
- REM Mate on FA 12418 Geminid Long trail
with many breaks - but sinusoidal (vibrations?)
- REM Mate on AI 43016 Geminid Visual
Good trail for photography - except for
vibrations
- REM Longer trail, Mate on AI 43012 a
had a Geminid (FWW) Visual
- REM Northern trail Mate on FA 12414 a
had a Gem (FWW)
- REM Southern trail, Geminid
Mate on AI 43012 b
- REM Mate is FA 12414 b. Geminid
Southern & Eastern trail
- REM Most Western trail on plate
Geminid? Probably not, because its
Mate on FA 12414 (c) which does
not come from correct radiant for Gem.
- FWW Mate on AI 43012 c. Most western
trail on plate in each core.
Does not look like Geminid & FWW
- REM Mate on AI 43011 Had a Gem?
- FWW Mate on FA 12413 "

Lohr

2273	FA12422	6h 41 ^m +40°	Dec 10-11 '50
2274	AI 43020	6 23 +30°	"
2275	BI 4893	2200 -1010°	June 27-28 '49
2276	KE 510	2 11 +69°	Dec 10-11 '50
2277	FA12423	7 41 +40°	"
2278	AI 43021	7 23 +30°	"
2279	AI 43021	7 23 +30	"
2280	FA12423	7 41 +40°	"
2281	AI 43023	9 23 +30°	"
2282	FA12425	9 41 +40°	"
2283	AI 43019	5 23 +30°	"
2284	FA12421	5 41 +40°	"
2285	HA 2211	2 11 -15°	"
2286	KB 1816	2 46 -21°	"

- REM Mate on AI 43020 Gemmed Visual
- REM Mate on FA 12422 Gem.
- D.H. ~~CDC~~ ~~Mate on AI 43021~~ ~~Corres plate HE 510~~
 → Beautiful meter: several plates
 CDC "La Grande Meter" 60" long or so. Not same meter as #2277 8228
 Corresp. plate FA 12423 Mate plate
 AI 43021 Had a Gem. Visual
- CDC Visual Corres. trail HE 510 Mate AI 43021
 Had a Gem. 60" long
- CDC Mate to FA 12423 Had a Gem.
- CDC Faint meter Mate on FA 12423h (Not too sure there) Gemmed
- CDC Mate to AI 43021h (Not too sure)
- REM Mate to FA 12425 Plate edge Had Gem probably, almost certainly (FWW)
- REM Mate to AI 43023 Plate edge Had Gem. probably, quite certainly Visual
- REM Mate. FA 12421 Gem.
- REM Mate. AI 43019 Gem. Visual (good for photograph?) 10" long
- CDC Mate. HB 1816 Visual Possible Gem.
- CDC Mate HA 2211 Gem probably

2287	KA 2219	10 11 -15°	Dec 10-11 '50
2288	KB 1824	10 46 -21°	"
2289	FA 12433 a	5 44 $+40^{\circ}$	Dec 11-12 '50
2290	AI 43031 a	5 27 $+30^{\circ}$	"
2291	FA 12433 b	5 44 $+40^{\circ}$	"
2292	AI 43031 b	5 27 $+30^{\circ}$	"
2293	FA 12433 c	5 44 $+40^{\circ}$	"
2294	AI 43031 c	5 27 $+30^{\circ}$	"
2295	KA 2222	1 14 -15°	"
2296	KB 1827	1 50 -21°	"
2297	FA 12435 a	7 44 $+40^{\circ}$	"
2298	AI 43033 a	7 27 $+30^{\circ}$	"
2299	AI 43033 b	7 27 $+30^{\circ}$	"
2300	FA 12435 b	7 44 $+40^{\circ}$	"
2301	FA 12435 c	7 44 $+40^{\circ}$	"
2302	AI 43033 c	7 27 $+30^{\circ}$	"

REM Matt on KB1824 Visual Gem.

EDC Matt on KA2219

REM Matt on AI43031(a) Gem. probably No visual
Good plate to photograph (3 good meteor.)
 " Matt: FA12433a

" Central meteor, Matt AI43031b No Gem.
Visual 40° long

" Matt to FA12433b

" No visual: no Gem.: shortest trail
 on plate

" Matt to FA12433c

" Matt to KB1827 Plate edge Possible Gem

" Matt to KA2222 Plate edge Possible Gem.

REM Visual Gem. Vibration Matt to
 AI43033 Eastern meteor on plate

REM Visual Gem. Vibration excessive here
 Matt to FA12435 Eastern meteor on plate

FWW Geminal Western meteor. Matt ~~on~~
 on FA12435b

FWW Geminal Western trail. Matt on
 AI43033b

HJS Geminal Southern meteor on plate.
 Matt on AI43033c

HJS Geminal Southern meteor on plate
 Matt on FA12435c

58 Note: } indicates same meters & gives alt-
station meters

2303	KA 2223	2 14	-15°	Dec 11-12 '50
2304	KB 1828 a	2 50	-21°	"
2305	KB 1838	2 54	-21°	Dec 12-13 '50
2306	KA 2229	8 14	-15°	Dec 11-12 '50
2307	KB 1834	8 50	-21°	"
2308	KA 2224 a	3 14	-15°	"
2309	KB 1829 a	2 50	-21°	"
2310	KB 1829 b	"	"	"
2311	KA 2224 b	3 14	-15°	"
2312	FA 12446 a	7 48	+40°	Dec 12-13 '50
2313	AI 43043 a	7 31	+30°	"
2314	AI 43043 b	"	"	"
2315	FA 12446 b	7 48	+40°	"
2316	FA 12447 a	8 48	+40°	"
2317	AI 43044 a	8 31	+30°	"

REM Mate plate KB 1828 Visual Possible Gen.
~~Look at KB 1828 (2 meters there, but not mate~~
~~for 2303? FWW) Even in numbering plate, apparently~~
 REM Possible Mate in FA 2223, but does not
 seem right to FWW. Shorter brighter trail
~~Western trail, with flare at end off region~~
 REM on mate No visual Possible Gen. or else with #2310+2311
 REM Mate on KB 1834 Geminid probably

REM

" Visual Geminid Shorter brighter
 trail

"

"

"

"

Longer, western trail, with flare at
 end. Not Gen. Possible visual

"

"

No certain visual, but a possibility
 Western trail. Had a Gen

"

"

No visual Geminid Eastern trail

"

"

"

"

"

No visual Gen. Longest trail &
 most eastern one

"

No visual Gen.

2318	AI 43044 b	8 ^h 31	+30°	Dec 12-13' 50
2319	FA 12447 b	8 48	+40°	"
2320	AI 43044 c	8 31	+30°	"
2321	KA 2243	10 18	-15°	"
2322	KB 1846	10 54	-21	"
2323	FA 12448 a	9 48	+40°	"
2324	AI 43045 a	9 31	+30°	"
2325	FA 12448 b	9 48	+40°	"
2326	AI 43045 b	9 31	+30°	"
2327	FA 12448 c	9 48	+40	"
2328	AI 43045 c	9 31	+30°	"
2329	AI 43050	14 31	+30°	"
2330	FA 12453	14 48	+40°	"
2331	KA 2237 a	4 18	-15°	"
2332	KB 1840 a	4 54	-21	"

FWW Short trail easty Radiant Gem.

FWW " " " " " "

FWW Very short trail westy radiant " " " " " "

REM Visual Probable Gem.

REM Gem probably trailed plate

REM Gem. Visual 10° long Many breaks,
but not as many and not as long as #2
The northern meteor
Northern meteor Gem.

" Longest trail & Eastern meteor Gem.
no visual.

" Gem.

" Not Gem.

" Not Gem

" Visual Gem probably

" Visual (D.A.) 10° Gem

" Long Gemmid Visual { See KB 95
#3 24899 2490

" " " North & westy #2336

2333	KA 2237 b	4 18 -15°	Dec 12-13 '50
2334	AB 1840 b	4 54 -21	"
2335	KA 2237 c	4 18 -15°	"
2336	KB 1840 c	4 54 -21	"
2337	KA 2240	7 18 -15°	"
2338	FA 12452 a	13 48 +40°	"
2339	AI 43049 a	13 31 +30°	"
2340	FA 12452 b	13 48 +40°	"
2341	AI 43049 b	13 31 +30°	"
2342	FA 12452 c	13 48 +40°	"
2343	AI 43049 c	13 31 +30°	"
2344	AI 43049 d	13 31 +30°	"
2345	KB 1852	6 10 -21°	Dec 13-14 '50
2346	KA 2249	5 22 -15°	"
2347	AI 43042 a	6 31 +30°	Dec 12-13 '50
2348	AI 43042 b	"	"

REM

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“

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If

14

1

1

1

45

14

FWW

2 3 4 4

REM

41

£

4

4

2349 AI 43048 } 12^h 31^m +30° Dec 12-13 '50
 2350 FA 12451 } 12 48 +40° "
 2351 AI 43047 } 11 31 +30° "
 2352 FA 12450 } 11 48 +40° "
 2353 KA 2239 } 6 18 -15° "
 2354 KB 1842 } 6 54 -21° "
 2355 HB 1850 5 00 -21° Dec 13-14 '50

2356 FA 12459 a } 9 52 +40° Dec 13-14 '50
 2357 AI 43055a } 9 35 +30° "
 2358 FA 12459 b } 9 52 +40° "
 2359 AI 43055b } 9 35 +30° "
 2360 FA 12459 c } 9 52 +40° "
 2361 AI 43055c } 9 35 +30° "

REM Exceedingly bright meter Gem?

" Peculiar case. Looks like beginning of trail only on this plate. Perhaps beginning exposure was a brief late? Not a Gem.

" " "

" Visual Gem, but not a good specimen for measuring

" Kelly photograph here - but trailed plate See KH 100 & HC 100

" Beautiful Gem, but trailed plate & no mate because this plate was slightly off region & mate was closed shortly before visual.

REM Northern, very bright meter Gem. Visual 20 long Beautiful plate for pg. #1 on plate Many lineals (54 or so) #1 on plate Most northern Very bright

" A little E & S γ #2356 Gem. Possible Visual #2 on plate

" #2 on plate S & E γ #2357

" Southern meter on plate Very bright Many breaks, but at plate edge. Gem. #3 on plate

" #3 on plate Most southern Very bright

- 2362 AI 43061 15 35 +30° Dec 13-14 '50
- 2363 FA 12455 } 6 52 +40° " (2, 2)
- 2364 AI 43052 } 6 35 +30° "
- 2365 HA 2251 } 7 22 -15° "
- 2366 HB 1854a } 7 59 -21 "
- 2367 HB 1854b " "
- 2368 FA 12457a } 7 52 +40° "
- 2369 AI 43053a } 7 35 +30° "
- 2370 FA 12457b } 7 52 +40° "
- 2371 AI 43053b } 7 35 +30° "
- 2372 FA 12457c } 7 52 +40° "
- 2373 AI 43053c } 7 35 +30° "
- 2374 FA 12457d } 7 52 +40° "
- 2375 AI 43053d } 7 35 +30° "

- REM Possible Geminid No visual - overcast
No mat taken
- " Geminid Very doubtful meteor &
off in time also (Very? for ell. slab)
- " Geminid No visual
- " Gem Visual Very bright Mat on
KF 1854a & KF 475
- " Gem Visual Northern meteor on
plate. See KH 117a (#2531) which is also mat of #2366
KF 118 (#2533) also mat of KF 475 (#2534) in comp. tab
- " Visual Southern meteor Geminid.
KA camera closed at time of meteor
- " Visual Geminid Brighter on plate
= #1 on plate 5" long
Mat & #2368
- " No visual Gem. Most Southern on plate
= #2 on plate
Mat & #2370
- " Visual 5" long Gem. Most Northern
on plate
Mat & #2372
- " Visual 0.5" long Gem (#4) Very near radiant
but not as bright as #2368 (#1 on plate)
Mat & #2374

2376 ~~FA~~ 12461 a { 11 52 +40° Dec 13-14 '50

2377 AI 43057 a } 11 35 +30° "

2378 ~~FA~~ 12461 b 11 52 +40° "

2379 ~~FA~~ 12461 c { 11 52 +40° "

2380 ~~AI~~ 43057 b } 11 35 +30° "

2381 AI 43057 c 11 "

2382 ~~FA~~ 12460 a { 10 52 +40° "

2383 AI 43056 a } 10 35 +30° "

2384 ~~FA~~ 12460 b { 10 52 +40° "

2385 AI 43056 b } 10 35 +30° "

2386 ~~FA~~ 12460 c 10 52 +40° "

2387 ~~FA~~ 12460 d { " "

2388 AI 43056 c } 10 35 +30° "

2389 ~~FA~~ 12460 e { 10 52 +40° "

2390 AI 43056 d } 10 35 +30° "

- REM Visual Gem. 15° long Long northern
 meter = #1 on plate
- " Visual Gem. #1 on plate
- " Visual Gem. mate on joined #2
 on plate
- " Visual Gem. $< 15^\circ$ long
 Long southern meter on this plate #4 on plate
- " Near Denebola on AI plate = #4 on plate
 near Coma Berenices on FA plate
- " No visual, no mate Gem. = #5 on
 plate Most southern and eastern meter
 & very bright
- " #1 on plate Near Sickle of Leo
Visual(3) Gem. surely Probability the Visual
 FWW Looks like mate to #1 on FA 12460 & FWW called "a"
 #1 marked here looks like second to FWW Gem.
- REM Visual Gem. 8° long Near Regulus
 #2 on plate
- " Mate to 2384 #2 on plate
- " Visual Gem. (three clouds) had seen
 on mate plate Near bowl & Regulus #3 on plate
- " Visual Gem. (three clouds)
 Near Wizar #4 on plate Very faint
 on plate
- " #4 on plate Mate to #2387
 Near bowl & Regulus on this plate
- " #5 on plate Visual Gem. 20° long
 In Coma Berenices
- " Near Coma Berenices on this plate #5 on plate
Visual Gem. 20° long

2391 KA 2250a } 6 22 -15° Dec 13-14 '50

2392 KB 1853a } 6 59 -21° "

2393 KA 2250b } 6 22 -15° "

2394 KB 1853b } 6 59 -21°

2395 KA 2250c } 6 22 -15° "

2396 KB 1853c } 6 59 -21°

2397 KA 2250d } 6 22 -15° "

2398 KB 1853d } 6 59 -21° "

2399 FA 12458a } 8 52 $+40^{\circ}$ "

2400 AI 43054a } 8 35 $+30^{\circ}$ "

2401 FA 12458b } 8 52 $+40^{\circ}$ "

2402 AI 43054b } 8 35 $+30^{\circ}$ "

2403 KE 545 2 22 $+69^{\circ}$ "

2404 FA 12466a } 9 56 $+40^{\circ}$ Dec 14-15 '50

2405 AI 43065a } 9 39 $+30^{\circ}$ "

- J.E. { Another meter is KF474a (#2537)
 #1 on plate Near ϵ Orionis; long western
 meter on plate Visual Gem. 15⁰ long
 #1 on plate Near Sirius Corner. on KF474a (#2537)
 Visual Gem. Another meter is H#115 (#2539)
- " Long trail near Sirius 10⁰ long Visual
 Gem. #2 on plate
 East & South of Sirius & also #2392
- " Near Procyon Visual Gem. #3 on plate
 Another meter is KF474b (#2538)
 Most Northern meter on plate. Another
 meter is H#115 (#2539)
- " South and a little east #2393
 No visual Gem. #4 on plate
- " Most Southern meter on plate
- " Visual Gem. North of Castor on plate
 #1 on plate
- " Some doubt as to existence of this meter on plate
 = #1 on plate
- " Eastern meter on plate = #2 on plate
 Visual Gem
- " Eastern meter on plate = #2 on plate
 Gem
- " Doubt about its being a visual Does not look
 like Gem. but not sure.
- " Near Leo Not a Gem Visual?
 = #1 on plate
- " #1 on plate Near Leo Not a Gem. Visual?

2406	FA 12466 b	9 56	+40°	Dec 14-15 '50
2407	AI 43065 b	9 39	+30°	"
2408	FA 12466 c	9 56	+40°	"
2409	AI 43065 c	9 39	+30°	"
2410	KA 2255	3 26	-15°	"
2411	KF 481	3 14	0°	"
2412	KB 1860	4 07	-21°	"
2413	AI 43070	14 39	+30°	"
2414	FA 12463	6 56	+40°	"
2415	AI 43062	6 39	+30°	"
2416	AI 43068	12 39	+30°	"
2417	FA 12469	12 56	+40°	"
2418	KA 2259 a	5 26	-15°	"
2419	KB 1862 a	6 03	-21°	"
2420	KA 2259 b	5 26	-15°	"
2421	KB 1862 b	6 03	-21°	"

- J. E. { #2 on plate
North-south direction, approximately,
coming from the South Visual 40° long Not seen.
- " #2 on plate. South North direction Not seen.
Visual
- FWW (Scratch marked originally) #3 on plate. Gem.
Visual probably.
- J. E. #3 on plate Gem. Visual probably.
- " Visual Gem NO 30° long Plate edge here.
- " 130± breaks Gem Beautiful specimen.
Shows train in between breaks?
- " Mi Gem Mate also on HG-121 (#2535)
& HG-120 (#2536)
- " Not on mate FA 12471 No visual
Possible Gemmed
- " Gem. No visual
" "
- " Gem. No visual
- " " "
- " Gem Visual 10° long: Meteor nearest
Series = #1 on plate
- " Gem " Meteor nearest
Series = #1 on plate
- " Not seen. ~~No~~ Visual: Meteor nearest
Rigel = #2 on plate Also has HF 483 (#2546)
Not seen. No visual: Meteor nearest
Rigel = #2 on plate Carries to HF 483
(#2546)

2422 KA 2258 a } 4^h 26^m -15° Dec. 14-15 '50

2423 KB 1861 a } 5 03 -21° "

2424 KA 2258 b } 4^h 26 -15° "

2425 KB 1861 b } 5 03 -21° "

2426 AI 43069 } 13 39 +30° "

2427 FA 12470 } 13 56 +40° "

2428 KA 1991 a } 0 50 +14° Sept 8-9, '50

2429 KF 248 a } 1 28 0° "

2430 KA 1991 b } 0 50 +14° "

2431 KF 248 b } 1 28 0° "

2432 AI 42849 } 2 40 +45° Sept 11-12 '50

2433 FA 12224 } 1 15 +60° "

2434 KE 311 22 12 +60° 10-11 '50

2435 FA 12213 22 27 +60° "

- J. E. { also has mate HF 482 (#2547)
 Gen (#2) Western meteor on plate Not visual
~~Enter this meteor #2424 is a visual~~
 " at 23 16 01, white 10° long: Western meteor
 on plate = #2423 (M1) has correct trail HF 482 (#2547)
 " Gen. Eastern meteor on plate (#1 on plate)
 This may be the visual given under #2422,
 but chances are best that visual is #2422,
 I think (FAW) "Visual" records proved it.
 " #1 on plate: the eastern meteor Visual
 " Gen. No visual
 " " "

- CDCREM #1 on plate Visual Had absolutely sure
 of identity with visual, but it seems this way.
 2 #1 on plate The longer trail Had good
 CDCREM and all on this plate. Better on 4A
 CDCREM #2 on plate Visual The shorter trail
 CDCREM #2 on plate The shorter trail
 CDCREM North y Pleiades

- CDCREM Visual FA 12213 is corresponding plate
 Mate plate - faint & unlikely possibilities
 " Had really seen by FAW. Corres plate
 is HE 311

2436	KB 1810	}	8h 42 ^m - 21°	Dec 9-10'50
2437	KA 2205		8 7 - 15°	"
2438	KA 2009	}	22 35 +14°	Sept. 12-13'50
2439	KB 1608		0 04 0°	"
2440	KF 266		23 14 0°	"
2441	KF 267 a	}	0 44 0°	"
2442	KA 2010		0 5 +14°	"
2443	KB 1609 a		1 04 0°	"
2444	KF 267 b		0 44 0°	"
2445	KB 1609 b		1 04 0°	"
2446	KB 1609 c		1 04 0°	"
2447	KF 268		2 14 0°	"

CDC Geminiid

" "

CDC Mate to KB 1608? and KF 266?

CDC Mate in KA 2009 KF 266 corresp. trail

CDC Corresp plate is KB 1608

CDC KB 1609 corresp. plate^(#2). Mate plate is KA 2010^{#2}
#2 on this plate, KF 267. Eastern meteor[?]

CDC #2 on plate. Mate to KF 267a and also
mate plate to KB 1609 #2

CDC #2, the Eastern meteor on this plate
Mi

" Western meteor on plate = #3 on plate
Corresp. plate is KB 1609 (#3)

" Mi #3 on plate. Two western
meteors Corresp. plate is KF 267b
had found in KA 2010. Check KA 2011

" #1 on plate: most Northern meteor
Very bright. Corresp. plate KF 268
Mate not found in KA 2010. KA 2011 should
be checked (not in Cambridge Jan 23'51.)

" Corresp plate is KB 1609 e.. KA 2011
was examined in New Mexico: no mate found:
probably too close to edge of region

2448	KA 2023	}	$3109^m + 14^0$	Sept. 13-14 '50
2449	KB 1621		405 0°	"
2450	KF 276		350 -1°	"
2451	MF 38327		16 00 -23.6	May 25-26 '49
2452	AC 41410		4 00 0°	Nov 21-22 '49
2453	RH 15278		11 05 +39.6	March 15-16 '50
2454	AC 41525		15 00 0.0	March 18-19 '50
2455	J 3553		21 58 +17.5	July 7-8 '50
2456	AC 40782		20 00 +75.0	Aug 6-7 '48
2457	RH 15167		11 47 +20.0	Oct 16-17 '49
2458	AC 41367		11 48 +20.0	"
2459	HA 10909		7 40 +17.0	Dec 11-12 '48
2460	RH 15412		19 15 -15.0	Aug 4-5 '50
2461	AC 41703 ^{FWJ}		0 00 +15.0	Aug 8-9 '50

CDC Long, small flame ad end

" HB 1621 & IF 276 are corresp. plates
Mi

"

DH June 1950

FWW Looks like a Lanius

FWW

FWW

FWW

FWW Had a Perceid

FWW Same meteor is on AC 41367 at same station
Oak Ridge, Mass. Red filter & red plate

FWW Same meteor is on RH 15167 Blue plate

~~DWH~~ Split ~~2nd~~ half. The good mate, in region
AC 41799 & 41800 overlaps in time, but not in region
Possible Geminiid. Mi New Mexico Plate

FWW

FWW Probably Perceid

correc. trails

2462	KE 366 a	1 17	+30°	Oct. 8-9 '50
2463	KE 301 a	1 56	-2°	"
2464	KE 366 b	1 17	+30°	"
2465	KE 301 b	1 56	-2°	"
2466	KA 2055 a	0 32	+30°	"
2467	KA 2055 b	"	"	"
2468	AI 42916	23 54	+45°	Oct 15-16 '50
2469	FA 12314	22 45	+60°	"
2470	KB 1700 a	0 29	+45°	"
2471	KB 1700 b	0 29	+45°	"
2472	FA 12315	00 15	+60°	"
2473	AI 42917	1 24	+45°	"
2474	AM 27567	14 00	-0.0	June 27-28 '49
2475	BI 4896	16 38	-22.1	June 28-29 '49
2476	RB 16403	13 00	-0.0	July 13-14 '49

CDC REM Mate to long trail (#1) in KF 301
 Corres. plate HA 2055. Longest trail in KE366
 CDC Western trail

CDC REM No mate Corres. plate HA 2055 b
 #2 (very short trail) on both KE366 & HA2055
 " = #2 on plate: Eastern meter off mate plate.
 Mate plates are HA 2055 & KE366. No mate meter
 " Corres trail to longest trail on KE366
 (KE366 a) = #1 on plate = Eastern trail?
 " Corres. plate is KE366 b No mate found

CDC Mate is FA12314 & corres. plate is KB1700 a

CDC-REM Visual - 2 way. 25° long From N.East

" Mate on FA12314 Longest trail on plate
 Corres. & AI 42916 Marked #1 on plate

" Northern trail Corres. plate is AI 42917
 Mate on FA12315

CDC Visual 5° long Mate plate is KB1700 b

CDC Corres plate is KB1700 b Marked #2 on plate
 Mate on FA12315

D.H June '50 Flickering meter L. J. should see it.

D.H June '50 Simons

D.H June '50

2477	RB 16437	1 ^h 00	-0.0	July 31 - Aug 1 '49
2478	MF 38611	3 30	-24.9	Aug 4-5 '49
2479	MF 38553	16 35	-34.0	July 20-21 '49
2480	MF 38605	23 25	-40.8	July 31 - Aug 1 '49
2481	B 75017	2 55	-23.8	Aug 22-23 '49
2482	B 75027	4 15	-15.0	Aug. 24-25 '49
2483	B 75034	23 00	-14.8	Aug 25-26 '49
2484	B 75115	19 15	-4.4	Oct 17-18 '49
2485	BI 5051	7 00	-31.0	Oct. 21-22 '49
2486	B 75218	2 40	-14.8	Jan 17-18 '50
2487	RB 16326	13 00	-15.0	June 15-16 '49
2488	MF 38320	15 40	-15.1	May 20-21 '49
2489	KB 95a			
2490	KB 95b			
2491	KB 95c			

D.H. June '50

D.H. June '50

D.H. June '50

D.H. June '50

D.H. June '50 Defect in emulsion makes only part of meter visible. Had a Peneid

D.H. June '50

D.H. "

D.H. " Does not look like Orionid

D.H. " Type II Looks like a beautiful Orionid (FWW)

D.H. June '50

D.H. & FWW D.H. questioned it, but FWW thinks it is OK.

D.H. Defective emulsion

R.E.M. Mate & corresponding plate of 2 adjacent meters ^{KA 2237} ^{KB 1840} like longer; the adjacent trails

" { Mate & corresponding plate of 2 adjacent meters: KA 2237 & KB 1840 } The shorter, the adjacent trails

"

John

2492 KH 100

2493 KC 100

2494 KE 537 a $5^h 18^m +69^\circ$ Dec. 12-13 '50

2495 KE 537 b

"

"

2496 KE 537 c

"

"

2497 K-3 91 a

"

2498 K-3 91 b

"

2499 K-3 91 c

"

2500 K-1 95

"

2501 KE 463

5 06 0°

"

2502 KC 97

2 52 $+15^\circ$

"

2503 KE 533

1 18 $+69^\circ$

"

2504 K-3 84

3 56 $\pm +47^\circ$

"

2505 K-1 90

0 49 $\pm +69^\circ$

"

2506 KE 535 a

3 18 $+69^\circ$

"

2507 KE 535 b

"

"

Mate & Corres. plates KA 2239, KB 1842
and KC 100

Mate & corres. plates KA 2239, KB 1842
& KC 100

REM. Most Eastern meteor Geminiid 3° long
Visual See K-3 91 and K-1 95

" Visual Gem. 10-15° long 1° train
Central meteor See K-3 91 & K-1 95

" Visual Gem. 5° long 1° train. Most western
meteor on plate See K-3 91 & K-1 95

" See KE 537 & K-1 95

" " "

" " "

" Also on KE 537. Solved

" Mate on KC 97
Visual Gem 8° long

"

" Mate plate K-3 84 Corres. meteor K-1 90
Visual doubtful. Gem?
Mate on KE 533, K-1 90

" Corresponding meteor on KE 533
Mate on K-3 84

" Brighter meteor Visual Gem.
No mates on K-2 & K-3 Corres. meteor on K-1 93

" " " " "

Family meteor Visual Gem

2508	K-1 93 a	2 ^h 49 ^m	+69°	Dec 12-13 '50
2509	K-1 93 b	"	"	"
2510	KE 534 a	2 18	+69°	"
2511	KE 534 b	"	"	"
2512	K-1 92	2 09	+69°	"
2513	AI 43056 a	10 35	+30°	Dec 13-14 '50
2514	FA 12460 f	10 52	+40°	
2515	KE 499	2 ^h 7 ^m	+69°	Dec 9-10 '50
2516	KE 518	9 "	+69°	Dec 10-11 '50
2517	AM 27952	22 00	-80.0	June 21-22 '50
2518	AM 28084	6 00	-60.0	Oct. 18-19 '50
2519	BI 5235	3 00	-0.0	July 24-25 '50
2520	BI 5153	16 38	-22.1	May 14-15 '50
2521	AM 28062	22 00	-0.0	Oct 3-4 '50
2522	AM 28009	14 00	-0.0	Aug 6-7 '50
2523	AC 41091	10 00	+30.0	March 28-29 '49

- REM Also on KE 535. Brighter meters
Same station
- " Also on KE 535 fainter meters
- " Possible visual Gem? 10° long
off region at other station off region #192
- " No visual off region at other station
Corres. to short meters on K-192
- " Corres. to #2 on KE 534 (KE 534b)
Meters off region at other station
- H J-S #6 on plate Mate on FA 12460
- H J-S. #6 on plate Mate on AI 43056
- REM No mate Not Gemmid
- REM No mate Possible Gem?
- D.H. unusual - burst at end, quite sudden
- D.H. Possible Anomad
- D.H.
- D.H. Very bright
- D.H. Had an Anomad
- D.H. Had a Perseid
- FWW
REM

means curves trails - not new dlb. station
or repeated dlb. station.

2524	B 68621	0 00	-54.8	June 9-10 '43
2525	B 68686	13 20	-75.0	June 27-28 '45
2526	MF 32488	16 00	-23.6	May 17-18 '44
2527	RH 15558	11 39	+44.5	Jan 4-5 '51
2528	AE 41893	6 00	+45.0	Feb 4-5 '51
2529	KE 558	8 26	+69°	Dec 14-15 '50
2530	KI-125	8 47	+69°	Dec 14-15 '50
2531	KH 117a	7 29	+15°	Dec 13-14 '50
2532	KH 117b	"	"	"
2533	KG 118 ¹	5 29	+15°	"
2534	KF 475 ¹	7 10	0°	"
2535	KG 121 ¹			Dec 14-15 '50
2536	KH 120 ¹	2 41	+15°	"
2537	KF 474a	6 10	0°	Dec 13-14 '50
2538	KF 474b	"	"	"
2539	KH 115 ¹	5 54	+15°	"

- D.H. Probably meter (FWW) faint suspect (D.H.)
- D.H. Suspect. 110 Edge of plate. Defect (FWW) Probably real (FWW)
- D.H. Suspect (D.H.) Had a meter? (FWW) Incredibly (FWW)
- FWW
- FWW Beautiful little plate ad end.
- REM #1 - 125 corresponding plate: same section had on #3 Gen. probably
- REM Corresponds to KE 558 Gen. probably
- REM Mate to KB 1854a (#2366) Brighter meter Corresponds to KA 2251 and KG 118
- " No mate found. Fainter meter on plate
- REM Corresponds to KA 2251 and KH 117 Mate is KB 1854a (#2366)
- " Mate to KA 2251 (#2365) KH 117 (#2531) & KG 118 (#2533) & corresponds to KB 1854a (#2366)
- " KA 2255 (#2410) corre.; KH 120 corre. (#2534); KB 1860 (#2412) mate; KF 481 (#2411) mate
- " KA 2255 (#2410) corre.; KG 121 (#2535) corre.; KB 1860 (#2412) mate; KF 481 (#2411) mate
- REM Mate to No. 1 on KA 2250 (#2391) & meter on KH 115 (#2539) & corre. to No. 1 on KB 1853 (#2392)
- " Mate to No. 3 on KA 2250 (#2395) & meter on KH 115 (#2539) & corre. to No. 3 on KB 1853 (#2396)
- " Mate to KB 1853c (#2396) & KF 474 b (#2538) & corre. to KA 2250c (#2395)

indicates correct. trails: not walls

2540	KA 2242	9 18	-15°	Dec 12-13 '50
2541	K ₁ -25	0 37	-15°	Dec 9-10 '50
2542	{ K _B 1803 KA 2198 b }	1 42	-21°	Dec 9-10 '50
2543		9 26	+69°	Dec 14-15 '50
2544	{ K _E 559 K ₃ -130 }	Alt 65°	az 45°	"
2545		9 46	+69°	"
2546	K _F 483	5 14	0°	"
2547	K _F 482	4 14	0°	"
2548	{ K _F 460 K _H 92 K _G 92a }	2 06	0°	Dec 12-13 '50
2549		2 18	+15°	"
2550		0 18	+15°	"
2551	K _G 92b	"	"	"
2552	K _G -321	5 11	+15°	Dec 9-10 '50
2553	K _F 429	5 54	0°	"
2554	K-1 32 b	4 11	-15°	"
2555	K-1 32 a	"	"	"

- REM No visual No d m KG on KH and no d on
KB 1845 nor KF 467 Gem. Probably
- REM Corresponds to KA 2198 a, the long trail on
this plate
- REM Mate to KA 2198 b (# 2256)
No geminal
- REM No visual Mate is K3-130 Gem probably
Corr. trail on K1-126
- " Mate is KE 559 "
- " Mate to K3-130 KE 559 is corr. trail
Gem. probably
- " ~~Corr.~~ Mate to KB 1862 b (# 2421) and mate
to KA 2259 b (# 2420)
- " Mate to KA 2258 a (# 2422) and comes to
KB 1861 a (# 2423)
- FWW Beautiful long meteor 15+ breaks Visual Gem.
Mate m KG 92 a & KH 92 Corr. trail: KB 1838 (# 2305)
- REM Mate to KF 460 & KB 1838 (# 2305) Comes to KG 92 a
- " Comes to KH 92 Mate on KF 460 & KB 1838
The longer trail on the plate, & brighter (# 2305)
- " The shorter trail, fainter. No mate
- " Mate to KB 1807 b (# 2262) & to KF 429 (# 2553)
Comes to KA 2202 b (# 2261) and to K1-32 b (# 2555)
- " Mate to KA 2202 b (# 2261), KG 32 (# 2552) & K-132 b
(# 2555) & comes to KB 1807 b (# 2262)
- " Mate on KF 429, KB 1807 b (# 2262)
Corresp trail on KG-32, KA 2202 b (# 2261)
- " Mate on KB 1807 a (# 2260); corr. trail on KA 2202
(# 2259)

--- indicates correct trails: not made

2556	KF 472	5 10	0°	Dec 13-14 '50
2557	KG 114a	2 22	+15°	"
2558	KH 113	4 22	+15°	"
2559	KE 554	4 26	+69°	Dec 14-15 '50
2560	K-1 116	3 41	+69°	" '50
2561	KE 548a	5 22	+69°	Dec 13-14 '50
2562	KE 548b		"	"
2563	K-3 108	alt 65° or 45°		"
2564	K-1 108a	4 54	+69°	"
2565	K-1 108b		"	"
2566	KE 548c	5 22	+69°	"
2567	K-1 109a	5 37	+69°	"
2568	K-1 109b		"	"
2569	KE 549	6 22	+69°	"

to be
for
Table I
in Proj
Mem '51

- REM male on HG 114 and on HH 113
 Gemmid Brighter meteor Visual
- " male on HF 472 Corres to HH 113
 Gem fairly bright meteor
- " male on HF 472 Corres to HG 114 a
 Gem
- " Corresp on K-1 116 (# 2560) No male
- " Corres to KE 554 (# 2559) No male
- " Visual Gem. 15° long Southern on plate
 No male
- " male on K-3 108 Corres. on K-1 108 a
 KE 548 b is #2 marked on plate - is the northern meteor
- " male to KE 548 b and K-1 108 a
 (northern meteor on K-1 108 = #2564) Gem
- " Corres to KE 548 b (# 2562)
- " Corres. to KE 548 c & K-1 109 a
 No male
- " Corres to K-1 108 b & K-1 109 a
 Gem:
- " Corres to two preceding trails
 Brighter meteor on plate
- " fainter meteor on plate
- " Corres to KE 549 No male
- " Corres to K-1 109 b

--- indicates corresp. trails: not mates

2570	KF 485	7 14	0°	Dec 14-15 '50
2571	KG 130	4 59	+15°	"
2572	KH 129	6 59	+15°	"
2573	KE 547	4 22	+69°	Dec 13-14 '50
2574	K-1 107	4 7	+69°	"
2575	K-3 105	Alt 65°	az. 45°	"
2576	KE 540 a	8 18	+69°	Dec 12-13 '50
2577	K-1 100 a	8 20	+69°	"
2578	K-3 97	Alt 65°	az. 45°	"
2579	KE 540 b	8 18	+69°	"
2580	K-1 100 b	8 20	+69°	"
2581	KF 471 a	3 10	0°	Dec 13-14 '50
2582	KH 111 a	2 55	0°	"
2583	KB -111 a	0 55	+15°	"

REM Water on KG-130 & KH-129
No visual
film

Film

REM Visual. Water on K-3 105 (film)
Comes trail on K-1 107 Gen 10° long

"

"

Visual 20° long The longer meter
Water on K-3-97 Comes trail on K-1 100
No Gen.

"

No Gen

"

The shorter meter No visual
Gen

Comes to KE 5406 Gen

"

Not Genined No visual

"

" " K # 111a & KE 111a
are water to KF 471a.

"

"

"

] indicates corresp. tracks: not used

2584	KF 471 b	3 10	0°	Dec 13-14 '50
2585	KH 111 b	2 55	0°	"
2586	KG 111 b	0 55	+15°	Dec 13-14 '50
2587	KG 117 film	4 37	+15°	Dec 13-14 '50
2588	KF 474 c	6 10	0°	"
2589	KF 473 a	4 10	0°	"
2590	KG -114 b	2 22	+15°	"
2591	KF 473 b	4 10	0°	"
2592	KH 114 film	5 7	+15°	"
2593	KE 539	7 18	+69°	Dec 12+13 '50
2594	K-1 99	7 18	+69°	"
2595	KE 526	5 14	+69°	Dec 11-12 '50
2596	K-1 79	4 46	+69°	"
2597	KE 515 a	7 11	+69°	Dec 10-11 '50
2598	KE 515 b	7 11	+69°	"

Note

REM

5 KG, KH, K₁, K₂, K₃ all film during Gemini 97
HG38 last film no. y 19 50
KG plates begin Jan 1

Gem

"

Gem

KH 111h & KC-111h are mats

to KF 471h

REM

Gem

"

Visual 5° long

Mate on KF 474^{#5}

Gem

"

#5 meters on plate; most northern
meters: mate to KC 117

"

Mate on KC 114h (#2590) Gem

No visual

"

Gem: Mate to KF 473a

"

Eastern meters: numbered 1 on plate

Gem Mate to KH 114

"

Mate to KF 473h. No visual

"

Gem probably No visual

not mated! Corresp trail on K-1 99

"

No mate: corresp trail on KE 539

"

Visual Gem 5° long No mate

Corresp trail on K-1 79

"

Corresp to KE 526 No mate

"

Visual Gem 20° long. longer, Eastern trail

No mate on K-1 nor K-3

"

No visual: neither has mates on
K-1 nor on K-3 Not Gem

Shorter, western trail

2599	KE 512	4 11	+69°	Dec 10-11 '50
2600	KE 504	8 07	+69°	Dec 9-10 '50
2601	BB 16704	20 00	-15° 0	July 14-15 '50
2602	A 27420	17 13	+15° 0	Aug 4-5 '50
2603	A 4 4644			
2604	HB 1782 ^{FULL}	4 40	-21°	Nov 16-17 '50
2605	FA 12381 ^{FULL}	7 00	+75°	Nov. 15-16 '50
2606	AI 42985 ^{FULL}	5 30	+63°	Nov 16-17 '50
2607	KB 1788 ^{FULL}	11 53	+15°	"
2608	KF 407 ^{FULL}	8 50	0°	"
2609	FA 12361	1 27	+75°	Nov 6-7 '50
2610	AI 42959	3 20	+63°	"
2611	FA 12389	5 10	+75°	Nov. 17-18 '50
2612	KE 462	1 58	+15°	Nov 14-15 '50
2613	KF 402	3 35	0°	Nov 15-16 '50

- RAM Visual Gen 8° long
no mate on either π_3 or $\pi-1$
- REM Visual 20° long no mate
had on $\pi-3$ & $\pi-1$ is at -15° Gen
- D.A. made 26, '51
- BJB meter also on companion A 44644
- BJB plate not seen yet
- CDC No mate found on KA 2176-77
Levied 30° long, 01-54-44 2nd train -1 mag.
- CDC Levied No mate plate taken Fog at DA
- CDC Levied No real mate Visual
Mate should be on FA 12384, but is lost in clouds?
- CDC Levied No mate found on KA 2183
- CDC Levied no mate
- CDC Mate on AI 42959 Most speculoal
meter. Frey & flares.
- CDC Mate to FA 12361. Not Levied
& probably not Levied Visual
- CDC Possible Levied (FWW) No mate plate
- CDC Visual Not Levied & not Levied
Not found on mate plate KA 395
- CDC Levied probably no mate: Sabdak
started late

{	2614	FA 123 69	2 35	+75°	Nov 12-13 '50
	2615	AI 429 71	4 12	+63°	"
	2616	KF 403	4 25	+0°	Nov 16-17 '50
	2617	KB 1743	4 35	+15°	Nov 4-5 '50
	2618	KF 364	0 36	+1°	"
{	2619	KF 371	2 15	+1°	Nov 6-7 '50
	2620	KA 2141	1 27	+25°	"
{	2621	KA 2142	3 27	+25°	"
	2622	KF 372	4 45	+1°	"
{	2623	KA 2140	10 58	+25°	Nov 5-6 '50
	2624	KB 1754	10 35	+15°	"
{	2625	KE 447	1 55	+15°	"
	2626	KF 368	2 40	+1°	"
{	2627	KF 370	6 40	+1°	"
	2628	KE 449	5 55	+15°	"

CDC Mate plate is AF 42971 Larrind probably

"

" Visual Not found & not Larrind
Not found on ?

" Possible Larrind Not found on
mate plate KA 21339 KE 442 Corresp. KE 364
Corres. plate to KB 1743

" No corre plate taken, but mate plate KA 2141

" Larrind probably

" No mate plate in KB series Mate on
KE 372 Not Larrind & not Leonid

" Shower ? But not Larrind & not Leonid
See # 2629 & 2630: might make a shower

CDC Exceedingly bright Not Larrind &
not Leonid

"

"

"

Visual

"

Larrind probably

"

" "

"

"

2629	FA 12362	3 27	+75°	Nov 6-7 '50
2630	AI 42960	5 50	+63°	"
2631	KA 2082	3 53	+13°	Oct 13-14 '50
2632	KE 392	4 37	+15°	"
2633	AI 42932	6 51	+45°	Oct 18-19 '50
2634	FA 12331	5 40	+60°	"
2635	KA 2122	2 20	+25°	Oct 30-31 '50
2636	KA 1990	23 20	+14°	Sept 8-9 '50
2637	KB 1583	0 03	0°	"
2638	KF 247	23 58	0°	"
2639	KA 2022	3 09	+14°	Sept 13-14 '50
2640	KF 275	3 50	-1°	"
2641	KE 295	0 48	+60°	Aug 22-23 '50
2642	AI 42826	2 36	+45°	"

- CDC Beautiful bright meteor with flares
not heard; not Perseid
- " bright go with # 2621 & 2622
- " Observed? Visual. Comes to
KE 392
- " Comes to KA 2022
- " Observed probably
- " " "
- " Visual. No KB mate
not Observed
- " Mate is KB 1583
- " Mate is KA 1990
- " Comes to KB 1583
- " Mate is KF 275
- " Mate is KA 2022
- " Some doubt about this trail as a meteor
Does not seem like a Perseid
- " Some doubt about this trail as a meteor
Does not look like a Perseid

- 2643 AI 42804 a) 21 06 +45° Aug 18-19 '50
- 2644 FA 12172 a) 19 57 +60° "
- 2645 AI 42804 b) 21 06 +45° "
- 2646 FA 12172 b) 19 57 +60° "
- 2647 AI 43083 a) 12 58 +39° Jan. 7-8 '51
- 2648 AI 43083 b) 1 " "
- 2649 AI 43083 c) " "
- 2650 KH 12 < / 12 34 +1° "
- 2651 KG 5 6 56 +15° Jan 2-3 '51
- 2652 KH 2 7 45 +1° "
- 2653 KG 19 5 38 +15° Jan 5-6 '51
- 2654 KB 1882 9 21 -21° Jan 7-8 '51
- 2655 KE 436 23 40 +15° Nov 2-3 '50
- 2656 KB 1878 9 06 -21° Jan 3-4 '51

- CDC Northern meter Mate to FA 12172a
Radiant near Vega
- CDC Northern meter Mate to AI 42804a
Radiant near Vega
- " Southern meter on plate
Radiant near Vega
- " Southern meter on plate
Radiant near Vega
- CDC No mate plate ~~KA12~~^{also shows (a): same station} This is Louised, brightest
meter. Soledad clued: high winds there ^{usual}
- " In between (a) & (c) in brightness & position
Covers plate is KA12, but off region for (a) & (c)
- " Faintest, shortest meter
May be shower with radiant near Arcturus
- " Also shows (a) on AI 43043, but not very
good - at extreme plate edge.
- CDC Had too good a meter! off region on AI 43073
- CDC " " " " (worse here!)
- CDC Had on FA 12488, KA 2282. Off regions
Had AI mate - machinery broke down at D.A.
Possible Quadranted?
- CDC Check for Quadranted No mate on KA 2296
Pretty little meter, with flares, but to plate
- CDC No mate - overcast at D.A. No covers. plate
- off region
- CDC Covers plate KA 6 None found on KA 2217
The shorter brightly specimen. Had very good.
Other suspicious trail is not worth a no. surely.

- 2657 FA 12483 } 8 30 +55° Jan. 3-4, '51
 2658 AI 43077a } 9 44 +39° "
 2659 FA 12476 } 8 26 +55° Jan. 2-3, '51
 2660 AI 43074 } 9 40 +39° "
 2661 AI 43082a 11 28 +39° Jan. 7-8, '51
 2662 AI 43082b " "
 2663 KG 21 8 38 +15° Jan 5-6 '51
 2664 AI 42930a) 4 51 +45° Oct 18-19 '50
 2665 FA 12330 } 3 40 +60° "
 2666 KB 1718a) 2 37 +45° "
 2667 AI 42930b¹ 4 51 +45° "
 2668 KB 1718b¹ 2 37 +45° "
 2669 KA 1981 0 47 +15° Aug 23-24 '50
 2670 KA 1982^{FWW} 2 17 +15° "
 2671 AI 42812a^{FWW} } 2 09 +45° Aug. 19-20 '50
 2672 KA 1964^{FWW} } 01 00 +15° "

CDC Mate plate AI 43077(a) Had on KG-14

CDC Northern meteor

CDC Had on KG-6 not KG-7 Mate plate AI 43074
 quadranted probably

CDC " " " "

CDC Western, shorter brighter trail Visual
 No meteors ~~S&B~~ Cloud down, high winds
 " Eastern trail, longer, fainter trail

CDC Visual No meteors taken - repairs at D.A.
 had found on corresp. plate FA 12490

CDC Southern meteor on plate Observed Visual
 Mate is FA 12330 & KB 1718 a is corresp.

CDC Mate to AI 42930 a Observed Visual

CDC Corres to # 2664

CDC Northern trail Visual

" Corres to AI 42930 b

" Perseid? No meteors overcast at D.A. No corresp.
 plate

" Perseid probably No meteors overcast at
 D.A. No corresp. plates

" Had a Perseid probably. Met on #A 1964
 but not worthy of a number?

"

2673	KF 76	15 ^h 38 ^m	0°	May 16-17 '50
2674	KF 66	16 53	0°	May 12-13 '50
2675	KE 102	16 15	+15°	"
2676	KF 88	17 06	0°	May 19-20 '50
2677	KF 89	18 21	0°	"
2678	KE 90	12 30	+15°	May 8-9 '50
2679	KF 369	4 40	+1°	Nov 5-6 '50
2680	KE 448	3 55	+15°	"
2681	KA 1779	17 35	-15°	May 23-24 '50
2682	KE 107 a	16 15	+15°	May 14-15 '50
2683	KE 107 b	"	"	"
2684	KF 70	14 01	0°	May 14-15 '50
2685	KE 105	13 00	+15°	"
2686	KE 452	1 15	+15°	Nov 11-12 '50
2687	KF 380 a	2 05	±0°	"
2688	KF 380 b	"	"	"

CDC

no mate plate taken, but HB1399 =
corresp. plate~~J.E. CDC~~

J.E.

J.B.

not found on mate KE126

J.E.

mate plate KE127 meteor not found

J.E.

no mate plate taken Much vibration!

CDC

no corresp. plate hits this region
Visual

"

not found

J.E.

no mate : overcast completely at DA

J.E.

Mate plate not here : brightest meteor

J.E.

Fainter meteor Trailed plate

J.E.

Mate plate is KE105

"

CDC

Found, but doubtful specimen.
Weak case, but probably OK.

CDC

Visual - Eastern meteor on plate
Found

"

Western meteor

2689 FA 12293	}	4 25	+60°	Oct. 10-11 '50
2690 KB 1668		5 50	+45°	"
2691 AI 42896		5 35	+45°	"

2692 KA 2090	}	22 0	+13°	Oct 15-16 '50
2693 KE 401		22 45	+15°	"

2694 KF 309	}	5 05	-2°	Oct 10-11 '50
2695 KA 2067		3 40	+13°	"
2696 KE 379		4 25	+15°	"

2697 KE 418	}	3 40	+15°	Oct 18-19 '50
2698 KA 2109		3 40	+13°	"
2699 HF 344		4 21	-2°	"

2700 FA 12164 ^{FULL}	0 35	+60°	Aug 12-13 '50
-------------------------------	------	------	---------------

2701 FA 12179 ^{FULL}	20 30	+60°	Aug 19-20 '50
-------------------------------	-------	------	---------------

2702 AI 42809 ^{FULL}	21 39	+45°	"
-------------------------------	-------	------	---

2703 KE 280	20 10	+60°	"
-------------	-------	------	---

CDC Not Observed

CDC " " Visual Trailed
 KB & AI correspond
Visual comes to KB1668

CDC Visual Not Observed Trailed

CDC

CDC

" Comes to KE 379 Mate is KF 309

" Not Observed

" Visual Mate: KF 344 Comes to KA 209
Observed

"

"

" No mate found on AE 42798

Persid probably

" 3. core Mate is AE 42809 Not Persid
 Comes to KE 280

"

" Trailed

2704 HA 1975 21 12 $+15^{\circ}$ Aug 22-23 '50

2705 HA 1968 1 05 $+15^{\circ}$ From Nix Aug 20-21 '50

2706 AC 41799 4 00 $+30^{\circ}$ Nov 5-6 '50

2707 AC 41946

2708 AC 41832^{FWJ} 6 00 $+45^{\circ}$ Nov 18-19 '50

2709 AC 41828^{FWJ} 7 00 0.0 Nov 14-15 '50

2710 AX 123 19 00 $+15.0$ June 16 '23

2711 AX 4628 8 50 -5.0 Feb-13-14 '50

2712 MF 38813 14 05 -68.5 March 19-20 '50

2713 B 75361 12 40 -0.0 June 7-8 '50

2714 B 75372 11 55 -35.2 June 9-10 '50

2715 B 75409 18 25 -23.3 June 23-24 '50

2716 MF 39133 23 03 $+15.3$ July 11-12 '50

2717 MF 39152 0 14 $+15.6$ July 15-16 '50

2718 B 75640 2 10 -24.8 Nov 8-9 '50

CDC No mate or corresp. photo

CDC Had a Perseid ? case as meteor
Mate may be on KB 1561 & KF 229

FWW Had a Leonid Had a Leonid

FWW

FWW Leonid probably

FWW Leonid ?

P.T.D. & D.H. 1933 & 1951

D.H. July '51

D.H. June '51

D.H. "

D.H. " D.H. calls it "Leail"

D.H. " (D.H. calls it "Leail")

D.H. "

D.H. " "Leail" (D.H.)

D.H.

2719 SS 90

2720 ~~SS 121~~?2721 SS 186 $21^h 18^m +15^\circ$

July 13-14 '51

2722

Comm.?

2723 SS 249 ^{FWW} 17 25 $+15^\circ$

July 30-31 '51

2724 SS 245 ^{FWW} 22 21 $+15^\circ$

July 29-30, '51

2725 SS 244 ^{FWW} a 22 21 $+15^\circ$

July 29-30 '51

2726 SS 244 ^{FWW} b " " " " " "2727 SS 243 ^{FWW} a 22 21 $+15^\circ$ 2728 SS 243 ^{FWW} b " " " " " "2729 SS 240 ^{FWW} 20 21 $+15^\circ$ 2730 SS 239 ^{FWW} 20 21 $+15^\circ$ 2731 SS 235 ^{FWW} a 18 26 $+15^\circ$ 2732 SS 235 ^{FWW} b " " " " " "2733 SS 233 ^{FWW} a 18 21 $+15^\circ$

2734 SS 233 b " " " " " "

2735 ^{FWW} 2 56 $+1^\circ$

Nov 1-2 '50

Visual M + with FK W to Rome }
 TSS 179
 (no meter)
 Bright

Half of plate is out of focus Bd. meter
~~Train~~ Visual M
 Some train - faint V F +

IN
 ROTUNDA
 EXHIBIT

The longer meter Some train
Visual & Aquarid possibly B
 The shorter meter Visual
 & Aquarid surely B
 The brighter meter Train Visual
 (in sep box) M ✓
 The fainter meter & Aquarid
 F ✓ Perseid?
 & Aquarid probably Visual M
 M ✓

Best meter not & Aquarid m ✓

At edge of film. Not too sure m ✓

The surer trail but not the brighter
 Trail nearest film edge F

Trail nearest film ^{center} edge Perseid? BT
 F W W is not dead certain about it

CDC No more
 Rome

- 2735 ✓ SS 232^{FUV} 17^h 21^m +15° July 29-30 '51
- 2736 ✓ SS 227^{FUV} 23^h 17^m +15° July 28-29 '51
- 2737 ✓ SS 227^{FUV} 23^h 17^m +15° "
- 2738 ✓ SS 226^{FUV} 23^h 17^m +15° "
- 2739 ✓ SS 225^{FUV} 22^h 17^m +15° "
- 2740 ✓ SS 219^{FUV} 21 17 +15° "
- AE 42078 19 50 +15° — — Aug 18-19 '49
- 2741 ✓ SS 219^{FUV} " "
- 2742 ✓ SS 218 20 17 +15° July 28-29 '51
- 2743 ✓ SS 217^{FUV} 20 17 +35° "
- 2744 ✓ SS 175 21 05 +15° July 2-3 '51
- 2745 ✓ SS 181 20 02 +15° July 9-10 '51
- FA 10987 17 26 +10° April 25-26 '49
- 2746 ✓ SS 220^{FUV} 21 17 +15° July 28-29 '51
- 2747 ✓ J 3715 0^h 40^m +50° Aug 3-4 '51
- 2748 ✓ SS 220^{FUV} 21 17 +15° July 28-29 '51
- 2749 ✓ RH 15678 20 12 -15.0° July 6-7 '51

very slow & bright Visual ? B

The longer trail (~~FM~~) Visual, apparently almost quite certainly A. little train vs. the shorter trail Visual R.F.

& Aquarid ? Very ? V.F. ✓ Rather slow speed

Visual R.F. ✓

{ The longer trail ~~FM~~ train & Aquarid
— rather doubtful AE 42078 not too sure
The shorter trail • Not too certain ~~FM~~
Very slow Stars : not meteor
Visual ? M

Bright & train B

very bright. Train shows (in sep. box)
V.B.

M (on plastic ring)

Meteor, somewhat doubtful. ? NOT LYAD

Near center F Edge trail — no meteor —
~~to FWW & REA~~ n.g. (later)

E.U.

Film edge Visual ? Not certain F

FWW July 31 '51

2750 FA 12155 ^{B^{FWW}} 22 59 +52° Aug 11-12 '50

2751 KA 1942 a ^{FWW} 0^h 19^m +15° Aug 12-13 '50

2752 KA 1942 ^{B^{FWW}} " "

2753 KB 1530 } 22 53 +0° "

2754 KF 208 } 22 12 0° "

2755 KA 1942 c 0^h 19^m +15° "

2756 AC 42064 ^{FWW} 23 00 -15° Aug 1.-2 '51

2757 KE 224 18 05 +15° Aug 6-7 '50

2758 KA 1899 ^{FWW} 17 46 +15° "

2759 KF 260 22 05 +60° Aug 9-10 '50

2760 KA 1903 22 15 +15° Aug 6-7 '50

2761 SS 340 a ^{FWW} 23 16 +35° Aug 12-13 '51

2762 SS 340 ^{B^{FWW}} " "

Eastern meteor on plate

7 WW

Perseid #42791 has never yet
been seen in Cambridge 52° is more accurate
than 60° for the declination #2204 is another
Perseid on this plate, probably
Northern meteor Probably the visual
and not a Perseid (#1 on plate) no mate
Visual at 004352, white, >0 no train
100 long. Run N-west star y & y Peg
Mate on KBT 1530 KF 208 #2 on plate
Radiant near D's back head?
Very poor. Corresp. trail on KF 208
In shower with #2951? No!
Very poor Had a good double

#3 on plate No mate

FWW

Perseid probably

CDC
(Mi)

KA 1899 = corresp. plate No mate taken
Visual 21-28-26 1^s Perseid 60° long
Camera shed beam off tracks at other station

Visual & Perseid, but trailed & alone!

No mate plate taken Plate #3 trailed
Had a Perseid Possible S Aquarid
Longest & best meteor Perseid B

Edge, but breaks & probably Perseid
#

2763	SS 340 ^{FWJ} c	2316 +35°	Aug 12-13 '51
2764	SS 300 ^{FWJ} a	1915 +15°	Aug 9-10 '51
2765	SS 300 ^{FWJ} b	" "	" "
2766	SS 312 ^{FWJ} a	2205 +35°	Aug 9-10 '51
2767	SS 312 ^{FWJ} b	" "	" "
2768	SS 313 ^{FWJ} a	2205 +15°	" "
2769	SS 313 ^{FWJ} b	" "	" "
2770	SS 315 ^{FWJ}	2305 +15°	" "
with m. 2771	SS 317 ^{FWJ}	2305 +15°	" "
2772	SS 321 ^{FWJ} a	0205 +15°	" "
2773	SS 321 ^{FWJ} b	" "	" "
2774	SS 321 ^{FWJ} c	" "	" "
2775	SS 321 ^{FWJ} d	" "	" "
2776	SS 321 ^{FWJ} e	" "	" "
2777	SS 275 ^{FWJ}	220 +50°	Aug 7-8 '51

- EPS Edge, no breaks. Not Perseid
 " Bet M & B
 Trail nearest Altair Not Perseid From
 region near Draco? F
 " Trail North of Delphinus From region
 near Draco? Not Perseid M
 " Longer trail Perseid probably VF
 " On film edge Perseid F
 " Not Perseid Northern trail F
 " Not Perseid Southern trail F
 " Not a Perseid F
 " Not Perseid, but close? In shower M
 with SS321C, probably (No) Vel slower than Per
 meteor nearest Markab Perseid
 F
 " (B) Perseid. Most Eastern meteor on plate
 and at same time the brightest. Another (#2776) G.E. found
 " Not Perseid Vel too slow In
 shower with SS317 (#2771) (No) M
 J. Ashbrook Meteor nearest #2774 Perseid
 probably Bet VF & F
 H.J.S. Faint & near film edge, but very
 good meteor VF Non Perseid
 EPS Non Perseid Slow B

2778	SS 278a ^{FWW}	3 38	+35°	Aug 7-8 '51
2779	SS 278b ^{FWW}	"	"	"
2780	SS 279a ^{FWW}	23 57	+35°	Cap Foster Bear " Reg
2781	SS 279b ^{FWW}	"	"	Reg "
2782	SS 286 ^{FWW}	21 01	+15°	Aug 8-9 '51
2783	SS 288a ^{FWW}	22 01	+15°	"
2784	SS 288b ^{FWW}	"	"	"
2785	SS 290 ^{FWW}	22 01	+15°	"
2786	AM 28180	15 00	-15°	June 25-26 '51
2787	MF 39599	13 15	-25.2°	"
2788	RB 16901	18 00	-45.0°	July 8-9 '51
2789	B 75828	18 50	+13.5°	"
2790	AM 28205	1 00	-30.0°	July 12-13 '51
2791	SS 293a ^{FWW}	23 01	+15°	Aug 8-9 '51
2792	AM 28345	20 00	" -0.0	Aug. 11-12 '52
2793	SS 293b ^{FWW}	"	"	Aug 8-9 '51

7	EPS	Brighter trail	Perseid (See #2809)	B
"	"	Fainter trail	Non Perseid	M
"	"	Fainter trail	Perseid? (NO)	F
"	"	Brighter trail	Non Perseid	B
7	"	Slow meteor	Non Perseid	F
"	"	Perseid? Near Water jar y Aquarius		M
"	"	On film edge	Perseid	B
"	"	Perseid		F
51	D.H.	Type II Nov 2 '51		
"	"	Oct 30, '51		
51	"	Nov 2 '51		
"	"	Oct. 30 '51		
51	"	Nov. 2 '51		
51	EPS	Nearest 2 Oct SS 293 b (first numbered 2792) is <u>not</u> a meteor	Non Perseid	F
'52	"	Shard & slow	Non Perseid	V.F.
51	"	Faintest of three seems slower than # 2791	Non Perseid	V.F.

2794	SS 294 ^{FUV}	23 01	+15°	Aug 8-9, 51
2795	SS 295 ^{FUV}	"	"	"
2796	SS 296 ^{FUV}	00 01	+15°	"
2797	KA 2576 ^{FUV}	00 13	+35°	Aug 11-12, 51
2798	AI 43274 ^{FUV}	02 10	+30°	"
2799	KB 2028		+20° (Mi)	"
2800	KA 2576 ^{FUV}	00 13	+35°	"
2801	AI 43274 ^{FUV}	02 10	+30°	"
2802	KA 2515 ^{FUV}	23 13	+35°	"
2803	AI 43273 ^{FUV}	01 10	+30°	"
2804	KB 2027		+20° Mi	"
2805	KA 2574 ^{FUV}	22 13	+35°	"
2806	AI 43272 ^{FUV}	00 10	+30°	"
2807	KB 2026		+20° Mi	"
2808	AI 43272 ^{FUV}	00 10	+30°	"

E v P	Possible Perseid	V. F.
"	Non Perseid	V. F.
"	Non Per.	≠ <u>Sent to Millman</u>
51	Southern meteor	Salceda Non Perseid
	Dona Ana	Rad near η Erid
	Dona Ana	
MRC	Northern meteor	Salceda Perseid
"	Dona Ana	off KB plate
"	Salceda + Possible Perseid	Mate on
	AI 43273	
"	Mate on KA 2515	
"	Corres. to AI 43273	
"	Salceda +	Probable Perseid
"	Dona Ana	Southern meteor
	Corres to AI 43272a	
	Dona Ana	Northern meteor No mate
	Possible Perseid	

- 2809 AI 43248 ^{FWW} 23 57 +20° Aug 7-8, 51 M
- 2810 KB 2002 +20° Mi " "
- 2811 KA 2482 ^{FWW} 23 57 +35° " "
- 2812 AI 43241 ^{FWW} ^{Red new mine?} 23 48 +20° Aug 5-6, 51
- 2813 KB 1995 ^{??} +20° Mi " "
- 2814 KA 2476 ^{FWW} ^{might be Pen.} 22 49 +35° " "
- 2815 AI 43260 a. ^{FWW} 23 23 +1° ^{os} Aug 9-10, 51
- 2816 KB 2013 a. +1° Mi " "
- 2817 KA 2494 ^{FWW} 22 05 +15° ^{os} " "
- 2818 AI 43260 b. ^{FWW} 23 23 +1° ^{from Cap. " Aquarius} " "
- 2819 KB 2013 b. +1° Mi " "
- 2820 KB 2013 c. +1° Mi ^{os} " "
- 2821 AI 43275 ^{FWW} 22 14 +30° Aug 12-13, 51
- 2822 KB 2029 +20° Mi " "
- 2823 AI 43282 ^{FWW} 03 14 +30° " "
- 2824 KB 2036 +20° Mi

Dove Area

MRC

Had too good a trail but checked by KB 2002
 correct trail. Mate in KA 2482 and SS 278
 #2778

Possible Perseid See #2778 for correct trail
 Mate on KB and AI 43248

SMI

VISUAL Non Perseid Dove Area
 AI 43241 & KA 2476 do not seem like mates.
 Correct to AI 43241 Not Perseid "

MRC

Had lead sure that this is mate for AI
 43241 and KB 1995 Probably ~~not~~ Perseid
 Dove Area Probably not Perseid off KA 2494

" See also (KA 174 ^{Dove Area} ^{yes, March 13, 52} ^{trad in Cambridge at present}
 #2941

Bright meteor Not Perseid

New Radiant (FWW) about $\alpha = 323^{\circ} 50.7'$
 $\delta = -12^{\circ} 20.9'$

MRC

Shard & bright had seen on AI 43260
 not on KA 2494 had Perseid (Southern on plate)
 VISUAL faint Perseid

very faint. Visual! No KA plate
 observing began earlier at Dove Area
 Perseid, near radiant

check KA 2525 (not in Cambridge at present)

- 2825 KA 2524^{FWW} 23 16 +35° Aug 12-13 '51
- 2826 AI 43205 20 48 +80° July 3-4 '51
- 2827 AI 43206 23 48 +80° "
- 2828 AI 43218^{FWW} 00 19 +80° July 26-27 '51
- 2829 KB 1975 , +80° Mi "
- 2830 AI 43234^{FWW} 20 37 +39° July 30-31 '51
- 2831 KB 1988 , 20 37 +39° Mi "
- 2832 AI 43286 02 18 +30 Aug 13-14 '51
- 2833 AI 43284^{FWW} 00 48 +30° "
- 2834 KB 2038 , +20° Mi "
- 2835 AI 43285^{FWW} 01 18 +30° "
- 2836 KB 2039 , +20° Mi "
- 2837 KA 2472 20 49 +35° ^{0.8-2.0} Aug 5-6 '51
- 2838 KA 2475^{FWW} 21 49 +35° "
- 2839 KB 1994 , +20° Mi "

KB 2034 probable mete = # 2858

AI 43280

Perseid probably
~~Not~~ ~~mete!~~Should be checked as possible mete
SS 340 does not show this same meteor

MRC

Faint Not too good a specimen.

From direction > Perseid Red; but date?

Not Perseid I had Aquarid

Not Perseid; not Aquarid good place
on this meteor

Brighter on KB than on AI

Not Perseid Comes from South
probably

Not dead sure that this is meteor.

Not Perseid, anyway.

Beautiful meteor; 27 breaks; Bright

Probably Perseid

Obs. started 1 hr. later at Saledad

Moon = given as reason.

Perseid Obs. started 1 hr. later

at Saledad. Moon = given as reason

But meteor plate is #2842

MRC

Not Perseid

Probably Perseid

Check again on AI 43240 (not in Caml. ^{trans})

- 2840 KA 2503^{FWW} 22 09 +35° Aug 10-11, '51
- 2841 KA 2504^{FWW} 23 09 +35° "
- 2842 KA 2528^{FWW} } 23 20 +35° Aug 13-14, '51
- 2843 KB 2008 +1° Mi Aug 8-9, '51
- 2844 KB 2020 +20° Mi Aug 10-11, '51
- 2845 KB 2022 +20° Mi "
- 2846 KB 2025 +20° Mi Aug 11-12, '51
- 2847 KH 133 21 54 +1° July 2-3, '51
- 2848 KH 147 20 58 +1° July 26-27, '51
- 2849 KH 191^{FWW} 00 14 +1° Aug 12-13, '51
- 2850 KH 193^{FWW} 02 14 +1° Aug 12-13, '51
- 2851 KH 193^{FWW} " "
- 2852 KH 193^{FWW} " "
- 2853 KB 2035^{FWW} +20° "
- 2854 KH 194^{FWW} 03 14 +1° "

Probable Perseid

True Perseid

MRC Perseid probably (Cracked plate)
 mate plate is AI 43285 (# 2835)
 Check again on KA 2488 for mate & AI 43254
 Probable Perseid CREAM OF METEOR VISUAL
 May be Perseid

Possible Perseid

Check for Perseid

Probable Perseid

Probable Perseid Visual, but recs?

"

"

Corres to AH 193 b

Probable Perseid

2855	KB 2031		+20°	Mi	Aug 12-13, '57
2856	KB 2033				Aug 12-13, '57
2857	AI 43279	7 00 14 ^h	+30°	Mi	"
2858	KB 2034		+20°	Mi	"
2859	FA 11976		+60°		May 18-19, '50
2860	FA 11975		+60°		"
2861	FA 11984		+60°		May 19-20, '50
2862	AI 42671	18 06	+45°		"
2863	AI 42676	15 18	+45°		May 22-23, '50
2864	FA 11992	14 15	+60°		"
2865	KE 360	00 35	+1°		Nov. 3-4, '50
2866	KE 438	23 45	+15°		"
2867	KB 1746	8 35	+15°		Nov 4-5, '50
2868	KA 2135	8 54	+25°		"
2869	KA 2132	2 54	+25°		"
2870	KB 1742	2 35	+15°		"

Possible Perseid

Possible Perseid

Not in Cambridge yet

Probably mate to HA 2524 (probable
Perseid) HA 2524 is # 2825

J.E.

no mate on AI Slow meteor

"

no mate plate taken

"

filtration

"

"

Two good flares Prae. n.s. between flares

"

"

"

"

"

"

"

"

CDC

Probably not a Larrid

"

"

"

"

from direction of Orion

"

"

Salebat
Larrid

Does not seem to be a

"

Donna Ana

2871 KB 1741 8 31 $+15^\circ$ Nov 4-5 '50

2872 KB 1753 8 35 $+15^\circ$ Nov 5-6 '50

2873 KB 1749 { 4 35 $+15^\circ$ "

2874 KA 2137 a } 4 58 $+25^\circ$ "

2875 KB 2137 b } 7 7 a "

2876 KB 1748 } 4 35 $+15^\circ$ "

2877 KF 385 5 30 0° Nov 11-12 '50

2878 FA 12503 { 5 58 $+55^\circ$ Jan 10-11 '51

2879 AI 43090 } 7 10 $+39^\circ$ Jan 10-11 '51

2880 KE 458 1 5 $+15^\circ$ Nov 12-13 '50

2881 AI 43088 11 36 $+39^\circ$ Jan 9-10 '51

2882 KB 1886 Pole Mc Jan 9-10 '51

2883 KA 2300 $10^h 40^m$ -15° Jan 13-14 '51

2884 KA 2299 9 10 $+90^\circ$ "

- CRC no mate plate taken
- " Long, with plate but plate had much food because multiple exposures. Off region, no mate
- " Had Laurie? Had Laurie
- " Trail nearest Pleiades
- " Eastern meters on plate
- " Had sure these are mates, low altitude for both trails, however, might make it possible
- " Off region on mate plates KE 455 & 456
Looks like possible series. Arrived too late anyway, & is included in Laurie paper.
See note on plate cover.
- " Saledad
- " Dove Ave
- " Good meters had found on KE 388
Off region?
- " Good meter but no mate Saledad
not running. Batteries dead from cold.
- " No mate plate taken Batteries and A.D.A.
- " No mate on KB. Camera not operated
High winds
- " No mate DA not running - high winds

2885 KC 35⁻, 7^h 40^m +15° Jan 13-14 '57

2886 FA 12505, 7 40 +55° "

2887 KC 41 } 9 44 +15° Jan 14-15, '57

2888 FA 12511 } 9 44 +55° "

2889 AI 43095 } 10 55 +39° "

2890 KH 26 } 10 30 +1° "

2891 KC 62 12 2 +15° Feb 3-4, '57

2892 KH 44 9 32 +10° Feb. 6-7, '57

2893 KA 2339 Polo Feb 7-8 '57

2894 KR 82 13 18 +15° "

2895 KB 1910 14 06 -21° Mi Feb 14-15 '57

2896 KB 1909 12 36 -21° Mi "

2897 FA 12563 { 9 11 +55° Feb 28-Mar 1, '57

2898 AI 43141 } 10 23 +39° Feb 28-Mar 1 '57

2899 FA 12572 13^h 49^m +55° March 2-3 '57

cpc Salcedo DA closed - high winds

"

"

"

" Salcedo Visual 03 16 02 25 train
- 2 mag. 15° long

" Comes to KB-41 Visual

" Mate plate to # 2887 + 2888

"

"

"

"

"

"

"

"

" DA overcast No mate or comes plates
Visual 03 49 58 0 mag 10° long.

" No comes. Mate plate had found
on KB 74

" No KB mate DA closed - cld had
found on FA 125 46 Fits Visual?

" DA closed - overcast Visual

" Visual 05-25-40 0 mag. red,
very slow 30° long From W
No mate plate; Salcedo incapacitated
off region to H 66

" No mate taken on KB 1909
good bright meteor

"

"

" VISUAL 03-05-22 0.1 mag. 12° long.
From S No mate taken Dnd storm at DA

- 2900 FA 12570 $10^h 49^m +55^\circ$ March 2-3 '51
- 2901 KC 108 $13 49 +15^\circ$ "
- 2902 KA 2371 } Pale March 4-5 '51
- 2903 KB 1919 } $19^h 06 +80^\circ$ Mi "
- 2904 FA 12578 } $13 27 +55^\circ$ "
- 2905 AI 43149 } $14 40 +37^\circ$ "
- 2906 KB 1917 } Pale "
- 2907 KA 2368 } Pale "
- 2908 KC 117 (plate) $10 20 +15^\circ$ March 10-11 '51
- 2909 KA 2385 } $14 02 -15^\circ$ March 13-14 '51
- 2910 KB 1928 } $14 52 -21^\circ$ Mi "
- 2911 KB 1925 } $11 03 -21^\circ$ Mi "
- 2912 KA 2382 } $9 32 -15^\circ$ "
- 2913 KH 89 } $10 20 +1^\circ$ "
- 2914 KC 125 } $9 32 +15^\circ$ "
- 2915 FA 12589 } $9 32 +55^\circ$ "

CD No web plate, dust storm at D.A.

" No web taken, dust storm at D.A.

" Mate plate KB1919

"

" Beautiful meteor! 30+ breaks

"

" 2 exposures both trailed, but beautiful meteor D. Qua.

"

Beautiful meteor, here & good plate, but meteor y at plate edge. VISUAH? Saledob

"

No mate plate taken

"

Saledob Long faint meteor

"

Dove Qua

"

" Long meteor 72 breaks

"

Dove Qua Long faint trail

Saledob VISUAH 22 36 42 20° long
2nd & 1st way Red very very slow; 2 bursts
Saledob

2916 AI 43164 16 56 +39° Mar 16-17 '51

2917 FA 12618 { 12 55 +55° Apr 3-4 '51

2918 AI 43178a } 14 07 +39° " "

2919 AI 43178b " "

2920 FA 11952 12 00 +60° May 9-10 '51

2921 AI 42948 1 40 +63° Nov 3-4 '50

2922 AX 4644^{FUV} 17 53 +15° Aug 4-5 '50

2923 RH 15766 1 17 +15.4 Sept 30-31 '51

2924 RH 15755 4 12 +25.1 " "

2925 FA - Z 19^{FUV} 07 27 +32° Dec 22-23 '51

2926 AI 43475^{FUV} 8 26 +20° " "

Plotted on graph
2927 SS 585^{FUV}

2928 RH 15772 6 26 +29.9 Oct 9-10 '51

2929 AI 43280^{FUV} 01 14 +30° Aug 12-13 '51

2930 FA 1854 19 51 +15° June 24-25 '50

CDC No mate found on FA 12596-97

" Mate is AI 43178 a

" Long trail

" Very short trail near (G)
Mate not really seen (could be imagined)
on

J.E. No mate on AI 42644 - close off region.

CDC No mate found on FA 12350

Beauty! $7\frac{1}{2}$ way across plate
Unusually bright - several flares!!!

FWW

FWW Short bright flare

RCW TRAIN (on SS also) 02^h 05^m MST

"

"

FWW Probably not an Orionid

Henry J.S. Visual, but no mate found
Probable Perseid
Visual

2931	KA-1856	20 24	+15°	June 25-26 '50
2932	KB 1881	Pole		Jan 7-8 1951
2933	KA 1989	(21 50	+14°	Sept 8-9, '50
2934	KB 1582	mi 23 03	0°	"
2935	KA 2002	mi 0 15	+14°	Sept. 11-12 '50
2936	KB 1599	mi		"
2937	KA 2012	(3 ^h 5 ^m	+14°	Sept. 12-13 '50
2938	KB 1612	te 3 48	0°	"
2939	KA 2015	(21 09	+14°	Sept. 13-14 '50
2940	KB 1614	te 20 35	0°	"
2941	KA 2042	mi 2 16	+15°	Oct 4-5, '50
2942	KB 351	/ 3 01	+15°	"
2943	KA 2054	mi 23 02	+30°	Oct 8-9 '50
2944	KB 367	\ 2 47	+30°	"
2945	KA 2056	mi 2 02	+30°	"

M.R.C. No mate

M.R.C. Miserable plate

CDC Mate to KB 1582?

MRC Trained

MRC

MRC

MRC

MRC

"

"

"

Overcast at Dove Cove

" Possible Pegoid

" Possible Pegoid Meteor had seen on
~~KA~~ KE 365

" KA 2056 is corresponding plate

"

2946	KA 2081 mi	2 ^h 23 ^m	+13°	Oct 13-14 '50
2947	KE 391	3 07	+15°	"
2948	KA 2106 mi corrected trail	25 35	+13°	Oct 17-18 '50
2949	KE 415a	6 10	+60°	"
2950	KA 2106 b ₁ mi	5 35	+13°	"
2951	KE 415b	6 10	+60°	"
2952	AI 43114	8 30	+39°	Feb 7-8 '51
2953	FA 12542	7 18	+55	"
2954	FA 12653	16 42	+55	Apr 15-16 '51
2955	KA 2442, Pale			"
2956	AI 42872	21 25	+45°	Sept 15-16 '50
2957	FA 12252	20 15	+60°	"
2958	KE 336 mi	20 0	+60°	"
2959	KB 1536	22 57	+45°	Aug 13-14, '50

MRC

"

"

Check on AI 42927

Northern trail had observed

"

KF341 does not show (a) and many? (b) (c)

"

Observed

Southern trail on plate

"

CPC

"

"

KB1957 should be checked NOT LYRID

"

"

FAT KE correspond

"

FWW mate to KE 277a (# 2217) probably

2960 KA 2594a 22 34 +35° Oct 1-2, '51

2961 AI 43357a 23 34 +20° "

2962 KB 2112 a 23 34 +20° "

2963 SS 477 ~~478~~ ^{later: 22 34 +35°} ^{used in Cambridge} "

2964 KA 2594 b } 22 34 +35° "

2965 AI 43357 b } 23 34 +20° "

2966 KB 2112 b } 23 34 +20° "

2967 SS 478 ~~478~~ } 22 34 +35° "

2968 AI 43347, 0^h 36^m +20° Sept 24-25 '51

2969 KB 2102 d " mi "

2970 MC 37282 13 38 +70.5° May 22-23 '52

2971 KA 2579 { 23 36 +35° "

2972 KB 2102 b } 0^h 36^m +20° mi "

2973 RH 15817 8 42 +44.7 Feb 29-Mar 1 '52

2974 KF 317 { 0^h 45^m -2° Oct 13-14 '50

2975 KE 389 } 0 07 +15° "

CDC good meteor: many breaks: brighter meteor

" Visual $22^h 18^m \pm 30^s$ MST - 1 mag yellow
 5° SE of β Peg 5° long 1st train. From SE, slow
 (CS)

"

"

"

"

"

Fainter meteor. Looks like Pegasusid (#44)
 Visual: $22^h 39^m 33^s$ MST 0 mag yellow, slow 1st train
 5° long From SE 2° SE of γ & δ Peg (A.S.)

"

"

"

"

"

"

"

"

This meteor does not go with visual time given
 2d seems too faint, also, it appears on older film

MRC Short trail

Corresponding trail

FWW remove from graph y ss for Sept 24-25

MRC

FWW remove from graph y ss for Sept 24-25
 or check May 22 52

MRC Badly trailed - like fields of wheat!

Visual

2976 KA 1798 } 15^h 20^m +60° June 8-9 '50

2977 KB 1441 } 16 25 +45° "

2978 FA 12494 10 12 +55° Jan. 6-7 '51

2979 FA 12553 10 30 +55° Feb. 10-11 '51

2980 FA 12613 12 43 +55° Mar. 31-Apr. 1 '51

2981 KH 174^{FNU}

Begin for Aphro. Selection (Allan Cook)

2982 SS 617 10 35 +35° Feb. 23-24 '52

2983 ST 53 11 35 +20° "

2984 SS 628a } 12 35 +35° "

2985 ST 64a } 13 35 +20° "

2986 SS 628b } 12 35 +35° "

2987 ST 64b } 13 35 +20° "

2988 SS 641 } 9 43 +35° Feb. 25-26 '52

2989 ST 72 } 10 43 +20° "

2990 SS 649a 11 43 +35° "

MRC Trailed by accident Same as # 2025 + 26
 & # 2026

"

"

MRC No KB, nor anything else, at Deneb Area,
 was running
 1 min. overlap with KB¹⁹⁰², exposed for
 5^h 03^m because observer (PSC) fell asleep
 - after trouble with drive & adjusting drive

CDC No mate plate taken Good long meter

1ST Super-Schmidt Meter Pair.

SBW
 GS
 CDC
 EDM
 RCW

~~These 2 Super Schmidt film meters are not
 mate - to CDC & EDM & RCW~~

RCW
 CDC

Western meter on film

"

"

"

"

"

"

Eastern meter on film off edge

"

"

"

"

"

At extreme edge

RCW + SBW Trailed images

CDC fainter meter Mate not seen

2991	SS 649b	}	11 43	+35°	Feb 25-26 '52
2992	ST 80		12 43	+20°	"

2993	SS 684	}	12 45	+33'	March 4-5 '52
2994	ST 89		13 44	+20'	"

2995	SS 691	14 45	+33	"
------	--------	-------	-----	---

2996	SS 625	}	12 36	+35°	Feb 23-24 '52
2997	ST 61		13 35	+20°	" '52

2998	ST 95	15 44	+20°	March Feb 4-5 '52
------	-------	-------	------	----------------------

2999	SS 856	}	16 03	+35°	April 2-3 '52
3000	ST 265		17 03	+20°	"

3001	SS 850 a	}	16 46	+35°	April 1-2 '52
3002	ST 260 a		17 46	+20°	"

3003	SS 850 b	}	16 46	+35°	"
3004	ST 260 b		17 46	+20°	"

3005	SS 846	}	15 46	+35°	" '52
3006	ST 256		16 46	+20°	"

CD9RCW Brighter meteor

"

"

"

RCW+SPW VISUAL ST 95 might have made
but does not look worth much & FWW

RCW+SBW Extreme film edge

"

" REM found a trail here which looks
pretty good for meteor (FWW now accepts)

RCW+SBW

B, fast

"

" longer trail F, slow

"

"

"

"

shorter trail, on film edge

"

"

"

"

"

"

γ 3007	SS 844	15 14	+35°	April 1-2 '52
γ 3008	ST 254	16 ^h 14 ^m	+20°	"
3009	SS 840 a	14 14	+35°	"
3010	ST 250 a	15 14	+20°	"
SS 844 3011	SS 840 b	14 14	+35°	"
ST 254 3012	ST 250 b	15 14	+20°	"
3013	SS 835	16 10	+35°	March 31 - April '52
3014	ST 244	17 10	+20°	"
3015	SS 831 a	15 10	+35°	March 31 - Apr '52
3016	ST 240 a	16 10	+20°	"
3017	SS 831 b	15 10	+35°	"
3018	ST 240 b	16 10	+20°	"
γ 3019	SS 828	14 25	+35°	"
γ 3020	ST 237	15 25	+20°	"
γ 3021	SS 826	13 55	+35°	"
γ 3022	ST 235	14 55	+20°	"

RCU-SBW

4

" Western meter

4

" eastern meter

"

"

"

" Northern meter

" northern " ~~to edge of film~~

" southern meter (ad edge of film)

" southern "

M. up

M, slow

j 3023	SS 822 a	12 52	+35°	March 31 April '52	R
j 3024	ST 231 a	13 55	+20°	"	
3025	SS 822 b	12 52	+35°	"	
3026	ST 231 b	13 55	+20°	"	
3027	ST 231 c	13 55	+20°	"	
3028	SS 818	16 02	+35°	March 29-30 '52	
3029	ST 224	17 02	+20°	"	
j 3030	SS 816	15 34	+35°	"	
j 3031	ST 222	16 32	+20°	"	
j 3032	SS 815 a	15 17	+35°	"	
j 3033	ST 221 a	16 17	+20°	"	
3034	SS 815 b	15 17	+35°	"	
3035	ST 221 b	16 17	+20°	"	
j 3036	SS 812	14 34	+35°	"	
j 3037	ST 218	15 32	+20°	"	

REWSBW Longest trail on film, between film center
and film edge, M-F, fast

"

" Shorter trail, near Tessa Major

"

" " , in Coma Berenices

"

Short trail ; on Eastern edge of film

"

"

"

M, slow

"

"

Longer trail

"

"

Shorter trail, very bright

"

"

"

"

M, fast

3038	SS 792 a	15 15	+33°	March 27-28 '52	P
3039	ST 187 a	16 14	+20°	"	
3040	SS 492 b	15 15	+33°	"	
3041	ST 187 b	16 14	+20°	"	
3042	SS 490	15 15	+33	"	
3043	ST 185	16 14	+20°	"	
3044	SS 784 a	13 15	+33°	"	
3045	ST 178 a	14 14	+20°	"	
3046	SS 784 b	13 15	+33°	"	
3047	ST 178 b	14 14	+20°	"	
3048	SS 827	14 10	+35°	March 31-Apr 1	
3049	ST 236	15 10	+20	"	
3050	SS 624	11 36	+35°	Feb. 23-24 '52	
3051	ST 60	02 18	+20°	"	
3052	SS 702	7 44	+33	March 19-20 '52	
3053	ST 106	08 43	+20°	"	

2 RCW 8 BW Longer trail

"

" Shorter, brighter trail, slow

"

"

"

" Fainter, longer trail

"

"

"

"

" Shorter, brighter trail

"

"

"

"

"

2 " FWW questions there as notes

"

2 " Very long, many cracks b, slow

"

3054	SS 703	8 ^h 44 ^m	+33°	March 19-20 '52
3055	ST 107	9 43	+20°	"
3056	SS 710	9 44	+33°	"
3057	ST 114	10 43	+20°	"
3058	SS 714a	10 44	+33°	"
3059	ST 118a	11 43	+20°	"
3060	SS 714b	10 44	+33°	"
3061	ST 118b	11 43	+20°	"
3062	SS 716 a	11 44	+33°	"
3063	ST 120 a	12 43	+20°	"
3064	SS 716 b	11 44	+33°	"
3065	ST 120 b	12 43	+20°	"
3066	ST 135 a	13 47	+20°	March 20-21, '52
3067	SS 740	12 48	+33°	"
3068	ST 135 b	"	"	"

reversal had males? (FWW)

"

"

"

"

The longer trail

"

"

Shorter trail } ? as males, & FWW.

"

Very bright } may not be meters

"

Brighter trail, makes film edge

"

"

"

Fainter trail

"

"

"

"

"

Longer, fainter trail

"

Shorter, brighter " Had seen on the 55

	3069 SS 742	13 48	+33°	March 20-21, '52
	3070 ST 137	14 47	+20°	"
γ	3071 SS 744	13 48	+33°	"
γ	3072 ST 139	14 47	+20°	"
γ	3073 SS 745	13 48	+33°	"
γ	3074 ST 140	14 47	+20°	"
γ	3075 SS 753	13 48	+33°	March 21-22, '52
γ	3076 ST 155	14 47	+20°	"
	3077 SS 755	14 55	+33°	"
	3078 ST 157	"		"
γ	3079 SS 772	10 15	+33°	March 27-28, '52
	3080 ST 165	11 14	+20°	"
	3081 SS 773	10 15	+33°	"
	3082 ST 166	11 14	+20°	"
	3083 SS 780	12 15	+33°	"
	3084 ST 174	13 14	+20°	"

RCW+SBW

4

4

B, weak

4

11

B. fast

11

4

iM, slow

4

11

4

4

4

4

4

11

11

3085 SS 781 } 12 15 +33° March 27-28 '52

3086 ST 175 } 13 14 +20° "

γ 3087 SS 782 } 13 15 +33° "

γ 3088 ST 176 } 14 14 +20° "

3089 SS 562 +35° Oct 22-23 '51

3090 SS 551 05 05 +35° Oct 10-11 '51

3091 SS 550 04 05 +35° "

3092 SS 549 " "

3093 SS 546 03 05 +35° "

3094 SS 535 03 05 +35° "

3095 SS 506 01 08 +35° Oct. 2-3 '51

check SS 505

3096 SS 493 02 48 +35° Oct. 1-2 '51

3097 SS 492 02 32 +35° "

3098 SS 487 01 34 +35° "

3099 SS 482 23 34 +35° "

correct
plates
3100 SS ¹⁰¹⁶~~778~~ 18 00
22 34 +320
+35

May 20-21 '52

RCW-SBW

4

"

m, slow

"

"

On a "train" film

A large group
of single SS film
follows

"

"

"

Very faint. Not too good

"

"

Very bright, but film is out of focus

"

On film edge

"

"

Much out of focus

"

"

Had much good - way out of focus &
extremely short.

MRC

Made film ST 439 dark and show meters
due to fact it was off region for this trail

164

current
plates
2 this

ST 439
3101 SS 477

18 56 +20°
~~22 34 +35°~~

May 20-21 '51
~~Oct. 1-2, '51~~

3102 SS 472

00 10

+35°

Sept 25-26 '51

3103 SS 469a

23 10

+35°

4

3104 SS 469b

"

"

3105 SS 465

22 10

+35°

"

check SS 459

3106 SS 456

00 36

+35°

70

Sept 24-25 '51

3107 SS 453

23 36

+35°

"

3108 SS 452

23 36

+35°

"

3109 SS 444

21 36

+35°

"

3110 SS 436

23 32

+35°

Sept. 23-24, 1951

3111 SS 434

22 32

+35°

"

3112 SS 426

20 32

+35°

"

3113 SS 425

20 32

+35°

"

3114 SS 424

20 32

+35°

"

3115 SS 422

19 32

+35°

"

416 u g ?

3116 SS 415

02 11

+35°

Sept. 6-7, 1951

MRC

RCW, SBW - ~~Very bright, but out of focus~~ Near edge
 SS late in sequence, by 15^s ~~filed w SS film~~

RCW, SBW Bright & many breaks

" longer trail

" shorter trail

"

SS 451 is filed next to SS 452

Bad case. Short & much out of focus

On film extreme edge

Mod good meter ?

Beautiful bright meter, many breaks

3117	SS 411	01 11	+35°	Sept. 6-7, 1951
3118	SS 410	01 11	+35°	"
3119	SS 405	02 47	+35	Sept. 4-5, 1951
3120	SS 401	00 47	+35	"
3121	SS 395	02 43	+35	Sept. 3-4, 1951
3122	SS 386	22 43	+35	"
3123	SS 373	01 39	+35	Sept. 2-3, 1951
3124	SS 372	01 39	+35	"
3125	SS 366	23 39	+35	"
3126	SS 363	22 39	+35	"
3127	SS 203			July 27-28, '51
3128	SS 199 150 chub.			July 26-27, '51
3129	AI 43163	15 ^h 26 ^m	+39°	Mar. 16-17, '51
3130	FA 12595	14 14	+55°	"
3131	KG 131	14 14	+15°	"
3132	K 14 95	15 02	+1°	"

Beautiful meteor
shorter, bright meteor

Short & faint Had as seen as most
Bright trail - on film edge - but long

Very bright : train between breaks
Long & faint
Short

Good meteor

Near edge of film

CDC VISUAL 60° Long Excellent!!!!
Many breaks

"

"

"

VISUAL

3133	KA 2654	02 22	+35°	Nov 5-6, '51
3134	AI 43442	3 21	+20°	"
3135	KB 2197 Mi	03 21	+20°	"
3136	KB 2197 h		"	"
3137	AI 43442 h		"	"
3138	KA 1807	19 25	+60°	June 10-11 '50
3139	KA 1817	19 20	+0°	June 13-14 '50
3140	KA 1830	19 30	0°	June 18 '50
3141	FA 12281	2 47	+60°	Oct. 8-9 '50
3142	FA 12327	6 10	+60°	Oct 17-18, '50
3143	KA 1805	16 25	+60°	Jun 10-11 '50
3144	KG 14	8 30	+15°	Jan. 3-4 '51
3145	KG 58	12 30	+15°	Jan. 18-19, '51
3146	AG 122	13 24	+15°	Mar 11-12 '51
BB 3147	KG 190	15 12	+15°	Apr 15-16 '51

CDC fireball measured time fr d.

"

" Brighter meteor: fireball

" fainter meteor No mete had
convex trail on AI 43442 b

" fainter meteor

" No mete ~~plate~~ taken

" No mete found AI 42705 & KB 1452
are possible, but do not convert to no meteor seen.

"

" VISUAL

"

" No mete taken

" KH 6 = mete plate fine of KC 0132-0257
had found yet: in Cambridge & Suffolk

"

"

" VISUAL 02-44-00 from SW
ended at vicinity of 2 Boats
very faint on plate

POSS LYR.

3148	K14 103	11 57	+1°	Mar 30-31 '51
3149	KG-141	11 09	+15°	"
3150	KG-153	11 25	+15°	Apr 3-4 '51
3151	KH 110	12 13	+1°	
3152	KH 114	12 45	+1°	Apr 11-12 '51
3153	KG-173	11 57	+15°	"
3154	ST 367	17 26	+20°	April 26-27, 1952
3155	ST 366	17 09	+20°	April 26-27, 1952
3156	ST 365	16 54	+20°	April 26-27, 1952
3157	ST 346	14 05	+20°	April 25-26, 1952
3158	ST 343	13 22	+20°	April 25-26, 1952
3159	ST 326	14 52	+20°	April 22-23, 1952
BB 3160	ST 300	14 04	+20°	April 21-22, 1952
3161	ST 298a	13 33	+20°	April 21-22, 1952
3162	ST 298b	13 33	+20°	April 21-22, 1952
3163	ST 297	13 18	+20°	April 21-22, 1952

CPC Dona Ana

" Saledad

"

" Some uncertainty about this notice

"

"

No mate taken ; Clouds

NOT LVR

No mate taken - clouds

NOT LVR

No mate taken - clouds.

NOT LVR.

No mate on SS 919 - off field Bad specimen (FWW)

NOT LVR.

No mate on SS 916 - -5^m, sta. maint.

NOT LVR.

No mate on SS 900 - off field

NOT LVR.

No mate taken - clouds

POSS LVR

No mate taken - clouds northern trail

NOT LVR

No mate taken - clouds southern trail

NOT LVR

No mate taken - clouds northern trail

NOT LVR

BB 3164	ST 294	12 33	+20°	April 21-22, 1952
3165	ST 293	12 19	+20°	April 21-22, 1952
3166	ST 288	15 59	+20°	April 17-18, 1952
3167	ST 285	15 59	+20°	April 16-17, 1952
3168	ST 277	11 55	+20°	April 14-15, 1952
3169	ST 275	11 25	+20°	April 14-15, 1952
3170	ST 182	15 14		March 27-28, 1952
3171	ST 102	15 48	+20°	March 5-6, 1952
3172	ST 101	15 48	+20°	March 5-6, 1952
3173	ST 100	14 48	+20°	March 5-6, 1952
3174	ST 91	14 44	+20°	March 4-5, 1952
3175	ST 90	14 44	+20°	March 4-5, 1952
3176	ST 56	11 35	+20	February 23-24, 1952
3177	ST 54	11 35	+20	February 23-24, 1952
3178	ST 52	10 36	+20	February 23-24, 1952

No mate taken - clouds

POSS LYR.

No mate taken - clouds

NOT LYR.

No mate taken - clouds

NOT LYR.

No mate taken - clouds

Briglit, trail ^{NOT LYR.} between Creaks.

No mate taken - clouds

NOT LYR

No mate taken - clouds

NOT LYR.

No mate taken due to station maint.

No mate on SS 698 - out of focus

No mate on SS 697 - out of focus

No mate on SS 696 - out of focus

No mate on SS 686 - out of focus

No mate on SS 685 - out of focus

No mate on SS 620 - off field

No mate on SS 618 - -1 minute

No mate taken

3179	ST 50	10 35	+20°	February 23-24, 1952
3180	ST 47	9 35	+20°	February 23-24, 1952
3181	ST 44	8 38	+41°	February 16-17, 1952
3182	SS 944	17 16	+32°	April 29-30, 1952
3183	SS 891	11 41	+32°	April 22-23, 1952
3184	SS 870	12 45	+30°	April 20-21, 1952
3185	SS 852	15 03	+35°	April 2-3, 1952
3186	SS 851 a	14 50	+35°	April 2-3, 1952
3187	SS 851 b	14 50	+35°	April 2-3, 1952
3188	SS 766	14 11	+33°	March 26-27, 1952
3189	SS 765	14 11	+33°	March 26-27, 1952
3190	SS 761	10 11	+33°	March 26-27, 1952
3191	SS 731 (a)	10 48	+33°	March 20-21, 1952
3192	SS 731 (b)	"	"	"
3193	SS 729	9 48	+33°	"

No mate plate taken

No mate plate taken - clouds

Good meteor

No mate on SS 603 - -2^m

No mate on ST 370 - plate center

No mate plate taken - late start

NOT LYR

No mate taken - rain

Short & very bright ^{NOT LYR}

No mate taken - late start On film edge

No mate taken - late start shorter, brighter trail

No mate taken - late start, longer, fainter trail

No mate plate taken - clouds

Reel
100
2 filed

No mate plate taken - clouds

No mate plate taken - clouds

Bright

Reel
100
2 filed

No mate plate taken - trans. failure, longer trail

check for "2nd,
fainter

shorter trail

No mate plate taken - trans. failure

3194	SS 678	14 37	+33°	March 2-3, 1952
3195	SS 674	13 37	+33°	" "
3196	SS 673	12 37	+33°	March 2-3, 1952
3197	SS 622 (a)	11 37	+35°	Feb. 23-24, 1952
3198	SS 622 (b)	"	"	"
3199	SS 616	7 35	+35°	Feb. 23-24, 1952
3200	SS 606	11 12	+35°	Feb. 19-20, 1952
3201	SS 605	11 12	+35°	Feb. 19-20, 1952
3202	SS 602	7 25	+35°	Feb. 16-17, 1952
3203	SB 5694	7 20.4	-25.8	Mar 30-31, 1948
3204	SS 862	10 19	+33°	April 15-16, 52
3205	ST 271		+20°	"
3206	SS 865	11 04	+33°	April 15-16, 52
3207	ST 274		+20°	"
3208	SS 874 a)	13 33	+32°	April 21-22, '52
3209	ST 302 a)		+20°	"

Plotted by

No mate taken - clouds

No mate taken - clouds

No mate taken - clouds

No mate on ~~SS~~ ST 58 (-5^m taking streak) long, faint (very)

" " " Brighter trail

No mate plate taken

No mate plate taken

No mate plate taken - clouds

No mate on ST 43 - -1^m

r McK N June 6, 1952 had dead sure, but probable.

m w w slow : no visual

NOT LYRID, II

"

" shows trail

NOT LYRID, II

"

" The Lyrid VISUAL at Dora Qua

"

"

"

Eastern meteor on film

3210 SS 874b } 13 33 +32° April 21-22 '52

3211 ST 302b } 14 33 +20°

3212 SS 875 } 13 48 +32° "

3213 ST 303 } 14 48 +20°

3214 SS 878 } 14 33 +32° "

3215 ST 306 } 15 33 +20°

γ 3216 SS 887 } 16 48 +32° "

γ 3217 ST 315 } 17 48 +20°

3218 SS 888 } 17 05 +32° "

Mac BB 3219 ST 316 } 18 04 +20°

3220 SS 889 X } 17 19 +32° "

3221 ST 317 } 18 19 +20° "

3222 SS 894 } 12 22 +32° April 22-23 '52

3223 ST 320 } 13 22 +20° "

* In future when metric = vis. I will say 179
VISUAL in record book here, & no record will
be made for "Not visual"
Western meter on film

MWW

"

had a visual *

"

"

"

NOT A LYRID

"

@ extreme film edge

NOT LYRID, II

MAR

VISUAL at Seledad 03²²¹⁷ MST Lyrid
B mod

"

MWW

From radiant N of Lyra VISUAL
but time not obtained
might possibly be a Lyrid

"

MWW

had sure pair: look different
VISUAL at Seledad 03 51.46 MST
Probably one of the other 4 visuals
such as 03 55 ± 30 from Corona Borealis
Do not count as double station yet.
VISUAL 22 59 03 MST

NOT LYRID, II

"

NOT LYRID, II

3224	SS 899	13 37	+32°	April 22-23 '52
3225	SS 901	14 09	+32°	"
3226	ST 327	15 06	+20°	"
3227	SS 902a	14 22	+32°	"
3228	ST 328a	15 22	+20°	"
3229	SS 902b	14 22	+32°	"
3230	ST 328b	15 22	+20°	"
3231	SS 902c	14 22	+32°	"
3232	ST 328c	15 22	+20°	"
3233	SS 905a	15 09	+32	April 22-23 '52
3234	ST 331a	16 09	+20°	"
3235	SS 905b	15 09	+32°	"
3236	ST 331b	16 09	+20°	"
3237	SS 906	15 22	+32°	"
3238	ST 332	16 22	+20°	"

NOT
LYRID,
II

MWW BT 325 is possible weak - but
trail does not seem good & FWW.

MRC

NOT LYRID, II

"

CDC Between α & β Corona Borealis Lyrid
VISUAL: 0049 15 MST 80

"

M

"

VISUAL: 0049 34 MST 10°

Lyrid

Between δ & η Ursa MajorisNOT LYR.
250° +40°

"

" Shortest trail & most western on film

NOT LYRID, II

"

"

"

"

"

"

"

"

Brighter trail & western trail

M mid

"

VISUAL at Drua Qua: 014325 MST 2.5 W, F,

4 From S Between ϵ Bootis & β Cor Borealis

"

Fainter trail VISUAL? 014455?

NOT LYRID

"

MRC NOT
Lyrid 255° +35°

"

3239 SS 909 } 1609 +32° April 22-23'52

3240 ST 335 } 1709 +20° "

3241 ST 336 17 22 +20° "

3242 SS 920a } 13 21 +32° April 25-26'52 M

3243 ST 347a } 14 22 +20° "

BB 3244 SS 920b } 13 21 +32° "

3245 ST 347b } 14 22 +20° "

3246 SS 921 } 13 34 +32° "

3247 ST 348a } 14 35 +20° "

3248 ST 348b 14 35 +20° "

3249 SS 925 } 14 34 +32° "

3250 ST 352 } 15 35 +20° "

3251 SS 929 } 15 34 +32° "

3252 ST 356 } 16 35 +20° "

3253 SS 930 } 14 49 +32° "

3254 ST 357 } 16 50 +20° "

MRC

POSS II

"

" SS910 is male, but no meteor seen, ^{NOT CYRID, II}
 for sure

MRC9CDC

" Western meteor on film, between
 Corona Borealis & E Virginis 20° VISUAL
 at Soledad: 22³ 38 28 MST submag. W
 medium speed: from NE ^{NOT LYRID, II}

"

" Eastern meteor on film VISUAL
 at Soledad: E Bootis & β Bootis

"

" From SE: 234304 MST 2.5 Y, m 8° 270°
 POSS LYR +30°

MRC

"

" Shorter & fainter trail than ST348a

"

" VISUAL at Soledad: 005013

1.8, Y, m, 1/2 train, 8° from S, 6° N β Bootis

"

" M mod

"

" VISUAL at Soledad 3° W β Kenevis
 2, Y, MF 8° from S: 015424 MST
 NOT LYRID, II

"

" Visual at Drea Aug also: 020417 (lines do not agree)

CDC-MRC

" VISUAL at Soledad: 020910 MST
 0^m W M 25 train 20° from E

Start 10° E of β Bootis running thru β Bootis

Poss. II

& ~~Thera~~ Majoris Extreme film edge

3255	SS 933a	16 34	+32°	April 25-26 '52
3256	ST 360a	17 35	+20°	"
3257	SS 933b	16 34	+32°	"
3258	ST 360b	17 35	+20°	"
3259	SS 936	17 21	+32°	"
3260	ST 363	18 22	+20°	"
3261	SS 945	17 33	+32°	April 29-30 '50
3262	ST 371	18 38	+20°	"
3263	ST 375	16 09	+20°	April 30-May '52
3264	SS 952	15 53	+32°	April 30-May '52
3265	ST 378	16 54	+20°	"
3266	SS 895	12 37	+32°	"
3267	ST 321	13 34	+20°	"
3268	SS 886	16 33	+32	April 21-22 '52
3269	ST 314	17 33	+20°	"

MRC Near α Corinae Borealis ad Salsad
 VISUAL ad Salsad, but position does
 not agree with pg. trail. time is lacking
 NOT LYRIDS, II

" North, II Heniculis ad Salsad
 visual but time is lacking
 position does not agree with pg. trail

CDCE
 MRC Not the visual, either one
 NOT LYRID, II

MWW Not the visual, either one first
 mentioned in visual record, but the record
 VISUAL mentioned: 03 43 46 MST
 0.5 Y MF 12° from E

" Mate is SS 949, but trail is evidently
 poor and would a number - 8 & 7 W.W.

MWW VISUAL ad Salsad: 01 48 58
 1, Y, m, 1/2 train, 12° from NE β Corinae B & Ant
 fast, M

MBC Very faint

NOT LYRID, II

"

MWW

NOT LYRID, II

"

3270 SS 879 } 1448 +32° April 21-22 '52

3271 ST 307 } 1548 +20°

PLOTTED TO HERE //

3272 SS 1163 } 1852 +35° May 30-31 '52

3273 ST 559 } 1952 +20° May 30-31 '52

3274 SS 1157 } 1722 +35° " filed as

3275 ST 553 } 1822 +20° " singles

3276 SS 1156a } 1707 +35° "

3277 ST 552a } 1807 +20° "

3278 SS 1156b } 1707 +35° "

3279 ST 552b } 1807 +20° "

3280 SS 1089 a } 1413 +32° May 24-25 '52

3281 ST 508 a } 1514 +20° "

3282 SS 1089 b } 1413 +32° "

3283 ST 508 b } 1514 +20° "

3284 ST 508 c } 1514 +20° "

MCR VISUAL at D.A.

Pair is in Office

NOT PLOTTED

" 01272

MWW { Cidy to
VISUAL
0349" (Thru)
(is tea)" ak. ~~mate~~" VISUAL
4° 18'

" But t

" matt

" he

" at Sa

" ST 5.

" 2, W

" Extreme

" at Sol.

" "

" "

" "

" "

" "

" "

" "

" "

" Near

" "

" "

" "

" "

" "

" "

3203

3127

3128

3220-21

~~2995~~~~2998~~

3352-53

3353

From NNE

fast

red

VE

FA 12778

eaks, on film

~~this meter.~~

y, s

of birch

not the

to must

as observed

some

10203 MST

Long trail

the VISUAL

0° From SW

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Mate meters off other film
near film edge (8 on it) here on ST508

MCR VISUAL at D.A.

Pair is in Office
 after: look at
 from NNE
 fast

" 0127
 Cady
 MWW VISUAL
 0349
 (Thrup)
 (15 sec)
 " ok. ~~met~~

NE
 FA 12778
 weak, in film
 this meter.

" VISUAL
 40, 18
 Bud
 matt
 he
 at La
 ST 55
 2, W
 " Extrem
 at Sol.

Y, S
 of which
 not the
 ch must
 as observed
 some
 0203 MST
 Long trail
 a VISUAL
 From SW

-12a-

MWW Most
 " "
 " Near
 "

film

" Matt meters off other film
 near film edge (8 on it) here on ST 508

MCR VISUAL at D.A. Pair is in Office
 THW for display purposes. Later: ^{check} ^{check} ^{check}
 " 01 27 23 MST 1, Y, MF 2^s 12° from NNE
 Cady & J Boates Lyrid b. fast
 MWW VISUAL at Sol. η Pegased
 " 03 49 18 MST 1, W, F, 08° From NE
 (Through γ Aquilae) Also on FA 12 778
 (1st train (visible between breaks, on film))
 " ~~OK. 2 records, had not time for this meter.~~
 " VISUAL at Sol. 01 24 35 MST 2, Y, S
 4°, From W: Start 3° E γ & Aphelion
 " But this visual (on SS 1157) is not the
 " matter to the ST 553 trail, which must
 " be one of the other 2 visuals observed
 at Salalah during the exposure
 " ST 552 has VISUAL at 01 02 03 MST
 2, W, MF, 5° From NNE. Long trail
 " Extreme film edge at North VISUAL
 at Sol.: 01 11 11 MST 0 mag, Y, S 10° From SW
 " " " " " " " " " " " "

MWW Most Southern meter on film

" " " " " " " " " "

" Near Corona B. on ST 508

"

" Make meters off other film
 Near film edge (8 on it) here on ST 508

3285 SS 1088	}	13 58	+32°	May 24-25 '52
3286 ST 507		14 57	+20°	"

3287 SS 1069 a	}	15 24	+32°	May 23-24 '52
3288 ST 489 a		16 24	+20	"

3289 SS 1069 b	}	15 24	+32°	"
3290 ST 489 b				"

3291 SS 1069 c	15 24	+32°	"
----------------	-------	------	---

3292 SS 1056	}	18 35	+32°	May 22-23 '52
3293 ST 485		19 36	+20°	"

3294 SS 1055	}	18 20	+32°	"
3295 ST 484		19 22	+20°	"

3296 SS 1053	}	17 50	+32°	"
3297 ST 482		18 51	+20	

Note: all Times & VISUALS (until further notice) are in M.S.T.

CDC Long v. faint meteor, mod

" VISUAL at D.A. 02 26 14 M.S.T.

1.5, W, Y, F 15 20° From S & E

Start E of α Lepentis Caput, ending $\frac{1}{3}$ of dist. from E Boatis to Arcturus. Fade & Burst midway in trail.

CDC Very long & faint, slow

" " " "

" Shorter

"

" Note off region On extreme film edge

" VISUAL at Saledad 03 09 52 MST
2⁺, W, MF 5° From S

"

" VISUAL at Sal. 02 50 08 1.5, W,
MF 12° From SW

"

" VISUAL at Sal 02 20 49
2^m W F 1 sec train 10° From E

190

j 3298	SS 1050	17 07	+32°	May 22-23 '52
j 3299	ST 479	18 08	+20°	"
3300	SS 1034	15 46	+32°	May 21-22 '52
3301	ST 459	16 54	+20°	"
j 3302	SS 1031 a	15 03	+32°	"
j 3303	ST 456 a	16 11	+20°	"
3304	SS 1031 b	15 03	+32°	"
3305	ST 456 b	16 11	+20°	"
j 3306	SS 1030 a	14 46	+32°	"
j 3307	ST 455 a	15 54	+20°	"
3308	SS 1030 b	14 46	+32°	"
3309	ST 455 b	15 54	+20°	"
3310	ST 455 c	15 54	+20°	"
j 3311	SS 1029	14 31	+32°	"
j 3312	ST 454	15 39	+20°	"

CDC VISUAL at Sal. 013600 ± 55 sec
 2 Y MS 5° From S

"

MWW

MWW

MWW quite faint & slow

MWW Through Corona Borealis on ST Western meteor

" Does not fit position of visual observed - to WNW.

"

" { Close to Corona Borealis on SS. } also longer &
 " { Close to β Herculis on ST } brighter trail
 " also running more S-N

" VISUAL at Sal. 232929 1.7 Y MS 3° From SW

" { Shorter & fainter trail running more
 in west-east direction

" VISUAL at D.A. 232339 1 Y S 1st train
 { 10° From SW

" Extreme film edge: off region on SS

"

" VISUAL at D.A. 231122
 2 Y S 5° From NW

3313	SS 1028	1416	+32°	May 21-22 '52
3314	ST 453	1524	+20°	"
3315	SS 1026a	1346	+32°	"
3316	ST 451a	1454	+20°	"
3317	SS 1026b	1346	+32°	"
3318	ST 451b	1454	+20°	"
3319	SS 1026c	1346	+32°	"
3320	ST 451c	1454	+20°	"
3321	SS 1026d	1346	+32°	"
100 all-SS 3322	ST 451d	1454	+20°	"
3323	SS 1019	1842	+32°	May 20-21 '52
3324	ST 442a	1939	+20°	"
3325	ST 442b	1939	+20°	"
3326	SS 1012	1659	+32°	"
3327	ST 435a	1756	+20°	"
3328	ST 435b	1756	+20°	"

Note: ↓

MWW

Region South of Canova Borealis offers
a radiant, probably, as seen here.

"

"

"

VISUAL at Sal then η Ursae Majoris
926° long 122 2502 2 W M from ENE
Faint on film

"

"

Shovert trail near η Ursae Majoris
Brighter than SS1026a on the SS film

"

"

Nearer α Canes Venaticorum on SS
West of E Boaris

"

"

Southern meteor on film

"

Southern meteor on film

"

Best trail & only trail on this film

"

Better trail

"

Trail on film edge (extreme edge)

MRC

Fainter trail near center on ST
Only trail on SS VISUAL at Sal

"

01 42 21 1 Y M 15 15 From S
F. not

"

Brighter trail, near film edge

3329	SS	1011a	16 42	+32°	May 20-21 '52	C
3330	ST	434a	17 39	+20°	"	
3331	SS	1011b	16 42	+32°	"	"
3332	ST	434b	17 39	+20°	"	"
3333	SS	1009a	16 12	+32	"	"
3334	ST	432a	17 09	+20°	"	"
3335	SS	1009b	16 12	+32°	"	"
3336	ST	432b	17 09	+20°	"	"
3337	SS	1007a	15 42	+32°	"	"
3338	ST	430a	16 39	+20°	"	"
3339	SS	1007b	15 42	+32°	"	"
3340	ST	430b	16 39	+20°	"	"
3341	SS	1007c	15 42	+32°	"	"
3342	ST	430c	16 39	+20°	"	"

52 CDC Northern & fainter VISUAL ad Sal.
01 21 55 2 Y MS 3° From ESE

"

" { Southern & brighter B, slow
VISUAL ad Sal 01 21 16 2 W F
12° From W Western edge of film
VISUAL also at D.A. 01 21 14
1+ W MF 12° From N
→ VISUAL ad Sal 00 55 05 1 Y MF
1/2 train 10° From ESE NORTHERN trail on film

"

"

" Southern trail

" Good train between breaks

MRC ~~trail with greatest no. of breaks & brightest also~~
VISUAL ad Sal 00 26 10 2+ W MF 3° From N
" Faintest trail of the three mod

" { Between α & β Herculis VISUAL ad Sal.
00 24 10 0.5 Y F 1/2 train 12°
From ENE VISUAL at D.A. also 00 24 08 1+
W F 1/2 train 10° from ENE B, fast

"

" Faint ~~South~~ at E Boats on SS
VISUAL ad Sal 00 28 30 1.8 Y
MS 12° From S
But bright meteor slow
VISUAL at D.A. also 00 29 28 1+
G-Y S 15° From S

J	3343	SS 1005	}	1327	+32°	May 20-21 '52
	3344	ST 421		1424	+20°	"
New with c.w. 99H.	3345	ST 593	}	1848	+20°	June 16-17 '52
	3346	SS 1195		1859	+32°	June 16-17 '52
c.w.	3347	ST 728	}	1903	+20°	June 27-28 '52
	3348	SS 1347		1812	+32°	"
c.w.	3349	ST 609	}	1850	+20°	June 20-21 '52
	3350	SS 1233		1746	+32°	June 20-21 '52
	3351	ST 706		1854	+50°	June 24-25 '52
not plotted	3352	AI 43056	}	abcde		Dec 13-14 '50
"	3353	FA 12460		abcde		
J	3354	SS 1402	}	2259	+52°	July 18-19 '52
	3355	ST 762		2305	+20°	"
	3356	SS 1400	}	2129	+32°	"
	3357	ST 760a		2224	+20°	"
	3358	ST 760b		"		"

M. WW 4 MF 5° From N
VISUAL ad D.A : 12 12 30
2 MF 5° From N

M, slow, From W Rad N of Vega
VIS 015120 4° vis (16±)
F, slow Rad near Aquila
probably

m, slow Red near Vega & W & N?
Peculiar case, or unusual because red = between tail
B, slow

7 6 on plate

6 on plant

MW - 8 Aguad^o ? No i you possibly (May '53) = MW

11	12	13
----	----	----

Speed \rightarrow 2 meters (SS & ST) seems
different! May well be same meter.
Shorter trail

Trail on film edge

3359 SS 1437 } 21 10 +32° July 20-21 '52

8 3360 ST 767 } 22 00 +20° "

3361 SS 1438 }^{FWW} 21 13 +32° "

3362 ST 768 }^{FWW} 22 13 +20° "

3363 SS 1443 }^{FWW} 17 40 +32° July 23-24 '52

3364 ST 770 }^{FWW} 18 30 +20° "

3365 SS 1444 }^{FWW} 17 55 +32° "

3366 ST 771 }^{FWW} 18 45 +20° "

↓ 3367 SS 1444 }^{FWW} 17 55 +32° "

3368 ST 771 }^{FWW} 18 45 +20° "

3369 SS 1445 } ? 18 12 +32° "

3370 ST 772 } 19 00 +20° "

3371 ST 775 }^{FWW} 19 30 +20° "

3372 SS 1448 }^{FWW} 18 55 +32° "

3373 SS 1448 }^{FWW} " "

M.S.T.

NW

VISUAL at Soledad 01 38 09

125 W MF 9° 1° E γ & Peg

"

Aguarid

Can't be right.

"

VISUAL at Soledad

01 44

Exposure started at 01 48

Aguarid 125 W F 6°, about 10° N γ

"

x Cyg

J.S.

VISUAL at Sol & DA 22 09 20

Not Agu. probably 9 and Perseid

"

Very faint, long 9 fast called 1433? in records

2.5 W MF 20° about 30° E γ & Here

"

Faster & fainter meteor, also S & W on film

Aguarid probably VISUAL. See below,

"

under #3367968

"

Slower & shorter & brighter meteor, also a little N & E γ other trail Not Agu. & Not Per

"

Radiant towards N, near Draco

VISUAL? Seems to be the visual seen

at 22 22 14 3rd mag. W, M 10°, starting

5° W γ & Hercules

NW

Extreme film edge

Uncertain on this film

"

"

Not Agu. Not Per probably

"

Faster meteor; match to ST 775 Western meteor on film & also S γ #3373

"

Slower meteor: Eastern & N meteor

3374 SS 1449 ^{FUV}✓ 19 14 +32° July 23-24 '52

3375 ST 776 ^{FUV}✓ 20 15 +20° "

γ 3376 SS 1457 } 20 55 +32° "

Here
KC 3377 ST 783 } 22 00 +20° "

γ 3378 SS 1459 } 21 25 +32° "

γ 3379 ST 785 } 22 30 +20° "

3380 SS 1465 ^{FUV}✓ 17 59 +32° July 24-25 '52

3381 ST 795 ^{FUV}✓ 19 00 +20° "

3382 SS 1467 ^{FUV}✓ 18 24 +32° July 24-25 '52

3383 ST 797 ^{FUV}✓ 19 30 +20° "

3384 ST 797 ^{FUV}✓ " "

γ 3385 SS 1469 ^{FUV}✓ 18 59 +32° "

γ 3386 ST 799 ^{FUV}✓ 20 00 +20° "

3387 SS 1470 ^{FUV}✓ 19 16 +32° "

3388 ST 800 ^{FUV}✓ 20 15 +20° "

m.w.

might be Aq.

"

Extreme film edge

"

Very bright, beautiful meteor Not Aq., & not Per.
 VISUAL at Sal & D.A. 01 20 30 2nd Train
 0 way

"

VISUAL 01 50 38 at Sal & D.A.
 Aq. probably

"

Very slow Not Aq. Not Per.

"

J.S.

Probably Aq.

"

SW of Altair

"

Probably Aq. N & E of # 3383

m.w.

VISUAL 23 28 (9?) 25 at D.A.

Aquarid (in 2 minds) more exactly, =
 T or Cap.

"

Aquarid
 ↙

3389 SS 1471a ^{FWO} } 1929 +32° July 24-25 '52

3390 ST 801 ^{FWO} } 2030 +20 "

3391 SS 1471b ^{FWO} } 1929 +32° "

3392 SS 1481a } 2244 +32° "

3393 ST 811a } 2345 +20° "

3394 B 76212 1020 -15.2° April 23-24 '52

3395 BI 5441 0000 +0.0° Aug 26-27 '51

3396 SS 1481b ^{FWO} } 2244 +32° July 24-25 '52

3397 ST 811b ^{FWO} } 2345 +20° "

3398 SS 1483a } 2314 45 +32° "

3399 ST 813a } 0015 +20° "

3400 SS 1483b ^{FWO} } 2314 45 +32° "

3401 ST 813b ^{FWO} } 0015 +20° "

3402 SS 1489a ^{FWO} } 1728 +32° July 25-26 '52

3403 ST 820 ^{FWO} } 1848 +20° "

MW VISUAL at D.A. & Sal. 23 47 36

Fainter meteor on film
Not Aqu. Not Per.

" Very bright long trail Line of Perseid
Possible Aqu.

" VISUAL at D.A. & Sal. 03 06 43

The brighter trail Not Aqu., not Per.

53 D.H. Dec 18, '52

NOT CYRID

7 " Dec. 18, '52 2 big & 2 minor bursts
Not Perseid From W direction

52 FWW The fainter trail VISUAL 03 12 46
at Sal & DA 2nd train

FWW " " " Not Aqu. & not Per

MW Slow & not Aquarid not Perseid
VISUAL 03 39 43 at D.A. & Sal.

" = #2 on film, region of Peg & Aquarid
not

" faster, near to And & VISUAL at D.A. & Sal
03 37 45 = #1 on film

" ~~Probably~~ Aqu. (No!) Not Perseid
Radiant in North

2 " Good long trail VISUAL 22 11 21
Not Aqu. & not Per.
Poor focus

work points
done for
deposited
with
not
M 26
no J

3404 SS 1490 } 17 43 + 32° July 25-26 '52

3405 ST 821 } 19 03 + 20° "

3406 SS 1493 } ✓ 18 25 + 32° "

3407 ST 824 } ✓ 19 48 + 20° "

3408 SS 1495a } ^{FWW} ✓ 18 58 + 32° "

3409 ST 826 a } ^{FWW} ✓ 20 20 + 20° "

3410 SS 1495-b } ^{FWW} ✓ 18 58 + 32° "

3411 ST 826 b } ^{FWW} ✓ 20 20 + 20° "

3412 SS 1495c } ^{FWW} ✓ 18 58 + 32° "

3413 ST 826 c } ^{FWW} ✓ 20 20 + 20° "

3414 ST 826 d } ^{FWW} ✓ 20 20 + 20° "

3415 SS 1503 } 20 58 + 32° "

3416 ST 834 } 22 20 + 20° "

3417 SS 1518a } ^{FWW} ✓ 18 07 + 32° July 26-27 '52

3418 ST 839a } ^{FWW} ✓ 18 55 + 20° "

M.W. Beautiful long, bright meteor
 May be Aqu
 " VISUAL at D.A. 22 21 42
 train visible on film from both stations!
 " VISUAL at Lab. 23 07 34
 Aqu

" ~~Aqu~~ (W) Slow! #1 on plate (film)
 VISUAL 23 38 40

" Aqu Slow VISUAL 23 40 10
 #2 on film

" Aqu. South of (a) & (b) radiant Extreme
 film edge on both films

" Slow. Probably pairs with (a) & (b)
 Aqu? Northern branch
 VISUAL 01 35 14
 Not Per. & probably not Aqu.

2 VISUAL at D.A. #1 on film 22 22 22^{??}
 This visual should be checked Position does
 not fit position of visual - & & W.W.
 Not Per. Northern meteor on film

SS	3419	SS	1518 b	FWW ✓	18 07	+32°	July 26-27 '52
ST	3420	ST	839 b	FWW ✓	18 55	+20°	"
SS	3421	SS	1522 b	FWW ✓	19 07	+32°	"
ST	3422	ST	843 b	FWW ✓	19 55	+20°	"
SS	3423	SS	1522 b	FWW ✓	19 07	+32°	"
ST	3424	ST	844 b	FWW ✓	20 10	+20°	"
SS	3425	SS	1523 b	FWW ✓	19 24	+32°	"
SS	3426	SS	1526 b	FWW ✓	20 08	+32°	"
ST	3427	ST	847 b	FWW ✓	20 55	+20°	"
ST	3428	ST	847 b	FWW ✓	20 55	+20°	"
SS	3429	SS	1527 b	FWW ✓	20 29	+32°	"
ST	3430	ST	848 b	FWW ✓	21 10	+20°	"
SS	3431	SS	1531 b	FWW ✓	21 24	+32°	"
ST	3432	ST	852 b	FWW ✓	22 10	+20°	"
ST	3433	ST	852 b	FWW ✓	"	"	"

MW #2 on film VISUAL 22 26 55
Probably an Aqu.

" VISUAL 23 29 28
Aqu.

" Slow motion : not Aqu.

" VISUAL 23 40 30
Aqu Long trail

" Not too good Del. exp. VISUAL 00 25 28
Aqu probably in records, but
North Delphinus 00 29 35 or possibly
many doubts about this page!! 00 27 15 seems better
D F W W

" SE Delphinus might possibly
be Perseid looks like the VISUAL
00 25 28 D F W W

" Possible Aqu VISUAL 00 39 22

" Probably not Aqu & probably not Per
Near film center

" Nearest film edge VISUAL 01 39 49

3434 SS 1533 ^{FWW} 21 52 +32° July 26-27 '52

3435 ST 854 ^{FWW} 22 40 +20° "

3436 ST 854 ^{FWW} " " "

3437 SS 1535 ^{FWW} 22 21 +32° "

3438 ST 856 ^{FWW} 23 10 +20° "

3439 SS 1536 ^{FWW} 22 37 +32° "

3440 ST 857 ^{FWW} 23 25 +20° "

3441 SS 1536 ^{FWW} 22 37 +32° "

3442 ST 857 ^{FWW} 23 25 +20° "

3443 SS 1542 ^{FWW} 19 41 +32° July 27-28 '52

3444 ST 865 ^{FWW} 20 40 +20°

3445 SS 1542 ^{FWW} 19 41 +32°

3446 ST 865 ^{FWW} 20 40 +20

3447 SS 1542 ^{FWW} 19 41 +32°

3448 ST 865 ^{FWW} 20 40 +20

NW #1 on film. might be Agn. I

"

" had Agn. Had Per.

" had Per. Had Agn?
Trail is not too good - too near film
edge.

"

Longest trail on film Very long, & Pers
had Per: not Agn VISUAL 024958
Clouds at Dove Area, but really show

VISUAL 025259

Had Agn ✓
Had Per ✓

JS

#1 VISUAL 23 51 57 ^{3^m after} trailed film
Agn? Rather fast

"

" #2 VISUAL 23 52 57 might be
Per Rather fast

"

" #3 VISUAL 23 59 29
Agn? Rather fast

"

3 good long trails, but SS is trailed

210

start
M. B. J.

R.A.

Dec.

3449

SS 1544

20 10

 $+32^{\circ}$

July 27-28 '52

3450

ST 867

21 00

 $+20^{\circ}$

"

3451

SS 1544

20 10

 $+32^{\circ}$

"

3452

ST 867

21 00

 $+20^{\circ}$

"

3453 KA 2428

Pole

Apr 11-12, '51

3454

KB 1947 Mi

19 08

 $+80^{\circ}$

"

3455 KA 2334

Pole

Feb 6-7, '51

3456

KB 1898 Mi

Pole

Feb 6-7, '51

3457 KA 2435

Pole

April 12-13, '51

3458

KB 1953 Mi

20 39 $+80^{\circ}$

3459 KB 2128

Mi

0 25

 $+20^{\circ}$

Oct 4-5, '51

3460

KF 351

6^{*} 15^{*} -2°

Oct 21-22, '51

3461

KE 426

4 43

 $+15^{\circ}$

"

3462 SS 1545

20 26

 $+32^{\circ}$

July 27-28 '52

3463

ST 868

21 27

 $+20^{\circ}$

"

J.S. { #1 on film Possible Age Fast
 " } May be VISUAL, but description
 " } does read just exactly 0028 51
 " } May be 0028 51, but med. comes from N
 " { Red, near Rya #2 on film
 " } May be the VISUAL
 " } 0030 00 Medium Fast Long

CDC

CDC

"

"

"

HA 2610 is possible mate, but n.g.
 & FWW.

"

"

JS

Age, fast & long VISUAL
 0040 45 ± 5^s

JS

3464	SS 1556 a	^{FWW} ✓	21 59	+32°	July 28-29 ⁵²
3465	ST 879 a	^{FWW} ✓	22 45	+20°	"
3466	SS 1556 b	^{FWW} ✓	21 59	+32°	"
3467	ST 879 b	^{FWW} ✓	22 45	+20°	"
3468	SS 1556 c		21 59	+32°	"
3469	ST 879 c		22 45	+20°	"
3470	SS 1558 a	^{FWW} ✓	22 31	+32°	"
3471	ST 881	^{FWW} ✓	23 15	+20°	"
SSK. 3472	SS 1559 a	^{FWW} ✓	22 44	+32°	"
3473	ST 882 a	^{FWW} ✓	23 45	+20°	"
SSK. 3474	SS 1559 b	^{FWW} ✓	22 44	+32°	"
3475	ST 882 b	^{FWW} ✓	23 30	+20°	"
3476	SS 1560 a	^{FWW} ✓	22 59	+32°	"
3477	ST 883 a	^{FWW} ✓	23 45	+20	"

- JS #1 on ST933 Aqu possibly
VISUAL 02 14 04 25° long vis
fast & faint
- " Aqu possibly VISUAL 02 14 19
faint & fast
- " not good had Aqu. had Per.
not red measured
- " VISUAL 02 37 45 On film edge
Slow & fast had Aqu. had Per.
Especially on film edge, with no
measurable breaks from N, from
direction of Cygnus.
- #1 on film VISUAL 02 43 54
Fast and fast from red near And Neb.
had very good on ST. Pretty ! & & WW
- #2 on film VISUAL 02 52 22
Bright & very slow
Check for Perseid : from North E
See # 5689 for ST882c
- HS, JS, MW #1 on film fast & fast
Radiant seems to be near Peg & Aqu
See # 5689 for # ST882c

3478	SS 1560	b ^{FW} g ^(FW)	22 59	+32°	July 28-29'52	HS
3479	ST 883	b ^{FW}	23 45	+20	"	
3480	SS 1560	c ^{FW} ✓	22 59	+32°	"	
3481	ST 883	c ^{FW} ✓	23 45	+20°	"	
3482	SS 1560	d ^{FW} ✓	22 59	+32°	"	
3483	ST 883	d ^{FW} ✓	23 45	+20°	"	
3484	SS 1560	e ^{FW} ✓	22 59	+32°	"	
3485	ST 883	e ^{FW} ✓	23 45	+20°	"	
g 3486	SS 1560	f ^{FW} ✓	22 59	+32°	"	
g 3487	ST 883	f ^{FW} ✓	23 45	+20°	"	
3488	ST 883	g ^{FW} ✓	23 45	+20°	"	
3489	SS 1560	h ^{FW} ✓	23 31	+32°	"	
3490	ST 885	h ^{FW} ✓	24 15	+20°	"	
3491	SS 1560	i ^{FW} ✓	23 44	+32°	"	
3492	ST 886	i ^{FW} ✓	24 30	+20°	"	

- 52 HS, JS, MW #2 on film Extreme film edge
Not much good, especially in SS1560
- "
- " #3 on film VISUAL at ^{D.A.} Sal. 03 07 35(?)
Fast & very faint From direction
of Perseus
- " #4 on film VISUAL at Sal. 03 12 37
& at D.A. Long, fast med. lt.
- " ~~Probably Aqu.~~ Possible Perseid
- " #5 on film VISUAL at Sal. 03 13 37(?)
Could be Aqu Long, medium speed
rather faint
- " #6 on film Possible & Aqu
Fast & lt.
- " ~~Given because D = & Aqu~~
- " No match No W & #6
Might be Aqu. Not Per.
- MW Quite faint, fast, from South
VISUAL 03 41 16
- " Practically n.g. - for measuring breaks
Might be Aqu & Aqu
- " Fast, medium lt. VISUAL 03 53 04
- " From dir of Perseus

3493 SS 1566 ^{flow} 00 19 +32° Aug. 2-3, '52

3494 ST 917 ^{flow} 01 20 +20° "

3495 ST 917 ^{flow} 01 20 +20° "

3496 SS 1569 00 23 +32° Aug 3-4 '52

3497 ST 919 01 15 +20° ,

M.W. VISUAL 04 11 58 Fast, med - br
Possible Per.

"

" On film edge had enough breaks
for H₂. ~~Could~~^{May} belong to head. of #3493
VISUAL 04 05 25 Fast med - br
from right be Perseid

KB ^{Pale}1899, ^{Pale}1902, ^{Pale}1903, ^m1942 ^m91943
discarded in N. Mex.

SS 731 March 20-21, '52 12^m
 SS 235 July 29-30 '51 15^m
 SS 765 March 26-27 '52 10^m
 179 MW 10^m July 9-10 '51

Taken to Power
 by FHW

Aug 24

→ alls meters
see pgs 196

With tributary

ST 610

599

598

727

631

630

656

657

683

684

707

706 meters

Platts called Non meter
 after they were first marked as Meter
 Decision mostly made by FWW, who decided
 they were not worth a number. At any rate, Platts
 returned to main
 stacks.

AI 43195 Palae

43249 00 47 +20°

FA 12022 +90°

12359 3 53 +75°

12366 5 00 +75°

12517 12 47 +55°

12530 10 32 +55°

HA 2147 7 50 +25°

2306 12 44 -15°

2487 23 01 +15°

2505 00 09 +35°

2506 01 09 +35°

2517 01 13 +35°

2518 01 13 +35°

2526 01 16 +35°

2530 00 20 +35°

KB 1752 8 35 +15°

1980 Mc +1°

HH 129 17 54 +1°

AI 42498 10 00 +15°

AI 43351 23 18 +20°

AI 43339 22 20 +20°

43299 01 31 +30° & KB 2053 Mc

Pg. Special Plates for Joachia
(non-meter)

KB 1690, 1691, 1699, 1679, 1680, 1681, 1692

KF 329

KA 2071, 2072, 2073, 2101 (broken), 2102
2103

3 cores which were declared
Non-meter & filed in main file

KB 509

KB 499

KB 510

715

494

541

KA 809

1434

AE 41837 M. 1710 -10°

41866 1650 +45°

42067 2340 +15°

42090 +15°

FA 11278 1830 +30°

11731 — — 1235 +30°

KA 809 M.

KB 2137 = all broken & thrown away
— out 7-8 151

