

42911      4    12    15    -05    02

(X)X  
J. G. II  
+ X3  
- 5 C3

$$\begin{array}{r} 7.36 - 105 \quad 1200 \quad -455 \quad 29 \\ \underline{-35} \quad \underline{101} \quad \underline{115} \quad \underline{-501} \quad 387 \text{ remainder} \\ 7.36 \quad \overline{103} \quad \overline{115} \quad \overline{-455} \quad \textcircled{B} \end{array}$$

(X)

6. 65      +0.315      10.9672  
~~6.65~~      +0.316      10.9682  
~~6.65~~      +0.316

43502

66 14 50 -20 11.75 14071

(1) 2.58 -8<sup>15</sup> 1275<sup>6</sup> -448<sup>6</sup> 6 " 43 " 49

7.60 -12 1277 -476 7 first +21

7.61 -12 1304 -458 2nd 71

7.59 -5 1261 -481 3rd 87

~~7.60~~ -~~5~~ ~~1261~~ -~~481~~ ③

-66 1287 -476 ④

7.07 +0.398 12 87

7.07 +0.387 13 87

7.07 +0.384 14 87

\* 7.58 -403 1580 -478 6 874

8755 + 53

15

00

-28

00

+ 167

-----

8755

+

2.136  
2.128  
2.132

8.57 336 882 -337  
8.60 -340 845 -343  
8.55 336 882 340

2.116

571

371 1167 571

276

456

45

45

~~48756~~ ✓✓✓✓  
~~461191~~

~~2.66 - 380 880 - 446 2.154 217m 79~~  
~~2.64 - 373 876 - 454 2.144 220.1~~  
~~2.66 - 372 874 - 450 2.149~~  
323 153 460 2.625

44016 6 18 20 -W 57 26 172 T

(X) (Y)

+34

-24

$$\begin{array}{r} 7.24 +13 1362 -534 25807 \\ 2.28 +12 1365 -540 80805 \\ \hline 7.28 +12 1364 -540 0 \end{array}$$

$$\begin{array}{r} 787607 867 (X) (Y) 6.77 +0.385 13605 \\ 674 +0.360 13605 \\ \hline 678 +0.378 \end{array}$$

44073      6 15 25      #18 035 26877

+1801178

(X) (X)

(+) (+)

H - 19

H - 19

H 227 1312 -449 26877

7.57 +24 1307 -415 20487

7.60 +24 1310 54470

7.07 +0419 12487

(X) (X)

211 +0.42413 421

7.09 -0.421

A05X

1 " 35" -150 35" 6 35.5" -15 35.5"

(2423B)

(4)

A05 52 52

1034 15" ( 677 6.5" 76.5" +0.32 92.5"  
A 5.72 51.6 243 424  
X = 0.02 (55)

7.64 -466 900 -245 2.220 15 fm 76  
7.68 -476 902 -237 2.214 14 fm 76  
7.67 -466 881 -247 2.217 10 fm 76  
7.69 -466 904 -234 2.224 16 fm 76  
7.67 -466 896 -242 2.220 15 fm 76  
210 169 624 2.710

(55)

→	5.37	+0.32	10.00	74	7.77+0.41	11.18	74	
(1) Rank ✓	5.15				8" / 55.70+86.415			
24/23	6	3	1	-15	35			
	5.20	-19.0	10.16	-46.6				
	5.25	-21.9	10.33	-49.2				
	5.25	-17.8	10.38	-47.1				
	5.71	-21.9	10.33	-48.0	③			
	5.72	-19.0	10.30	-48.0	③			
	2.64	-41.6	9.50	-76.0		2.220	19.0	76
	5.11	-21.9	10.33	-48.0		2.217	10.00	71
	5.11	-21.9	10.33	-48.0		2.217	10.00	74
	5.36	+0.32	74			7.77+0.41	11.18	74
	10.00					7.74	10.00	74
	10.00					7.74	10.00	74
	7.66	-48.4	8.94	-24.3		7.66	-48.4	8.94
	7.67	-49.5	8.81	-24.7		7.68	-47.6	9.02
	7.68	-47.6	9.02	-19.3		7.71	14.0	76
	7.71	14.0	76	7.71		7.71	14.0	76
	7.71	14.0	76	7.71		7.71	14.0	76



~~44/20~~ 6 20 40 100 31.5 ~~27642~~

(+) (+)

+5  
-15 -123

$$\begin{array}{r} 7.63 \quad 284 \quad 950 \quad 424 \quad 268 \\ 7.63 \quad 284 \quad 950 \quad 432 \quad 304 \\ \hline 0 \quad 285 \quad 954 \quad 404 \quad 0 \end{array}$$

$$\begin{array}{r} 26 / 223 \quad 161 \quad (+) \quad (+) \\ 25 \quad 34 \end{array}$$

$$\begin{array}{r} 244 \quad 10.202 \quad 12.682 \\ 247 \quad 10.300 \quad 13.652 \\ 5.46 \quad 10.201 \end{array}$$

W.S.Y  
All the

	450.77	6122	1570	0570	8.02	6477
8.03	622	25.7	-50	0.5	36 (1985.5)	+16.7
8.04	178	1027	-130	3		
(+)	183	1080	-804		+1 -14	
X						
8.05	178	1046	-435	21	1807	
(+)	176	1022	-420	25	1817	
X						
8.06	178	1035	-424	4		
(+)	178	1035	-424	4		
X						
8.03	566	1322	442	648	1370.2	
8.03	-571	1312	-437	1080 <sup>mm</sup>	(1)	7.64 +0.295 1.2 fm
(+)	570	1317	-440	14	(1)	7.67 +0.294

~~44844~~

~~6 22 40 -20 56 8.3867-11~~

(+)()

$$\begin{array}{r}
 8.16 - 99 1144 - 452 28 \text{ from } 52 \\
 \underline{8.18} - 119 1163 - 464 26 \text{ from } 71 \\
 \hline
 8.16 - 106 1141 - 453 30 \text{ from } 71 \\
 \hline
 8.18 \quad \underline{103} \quad \underline{1145} \quad \underline{452} \quad 2
 \end{array}$$

~~44844~~

(+)()

-1 +15

$$\begin{array}{r}
 777 + 1.335 1.335 \\
 224 + 0.332 0.332 \\
 \hline
 776 \quad \underline{0.329}
 \end{array}$$

(+)()

~~45374 V106 25 55 -01 03 8.2 +25  
8.3 F3II~~

~~8.1268~~

~~244  
8.10 -516 908 -141 2.252 23.00 25  
8.11 -511 911 -142 2.243 22 fm 7.9  
8.10 -516 910 -142 2.247~~

Y61222 6 30 40 tol 48 7.7 6577

-85  
-53 -85

(X) (Q)

7.28 -262 947 -524 261117  
7.27 155 944 -528 301118  
7.29 -158 955 260 (2)

516 363 381 (3..)  
(Q) (Q)  
275

654 to 308 13 Jan 92  
653 to 304 13 Jan 92  
656 to 306

46377      6 3 2 0 5 5      + 0 1 1 7 2 4 1 8 4 1 1

(X) (X)

- 2 2 - 1 9

+ 1 1

6.50      1410      1512      621      24887  
6.50      1408      1514      620      30887  
Total      1409      1513      = 620  $\odot$

$\begin{bmatrix} 8.24 & + 6.73 \end{bmatrix}$  15  $\frac{1}{2}$  p.m.s  
 $\begin{bmatrix} 8.35 & + 6.75 \end{bmatrix}$  15  $\frac{1}{2}$  p.m.s

(X) (X) (X) (X)

5.44      6.54  
5.55      6.73

4.564    6    32    20    22    35.5    8.05    85.74

100  
1000  
 $\beta_1 + \beta_2$   
 $\beta_1 + \beta_2$

$$\begin{array}{r} 8.12 - 5.8 \\ 8.10 - 5.6 \\ \hline 8.11 - 9.2 \end{array}$$
$$\begin{array}{r} 12.24 - 5.14 \\ 12.36 - 5.18 \\ \hline 12.30 - 5.16 \end{array}$$
$$\begin{array}{r} 84.67 \\ 84.67 \\ \hline 84.67 \end{array}$$

100  
1000  
 $\beta_1 + \beta_2$

76.7    40.312    12.4 km/h  
27.1    40.317    13 km/h  
76.9    40.314

46423 ✓✓ 06 32 40 +14 15 8.2 Fu  $\frac{+17}{24}$   
4401343 ✓

24" 8.28 -360 867 -454 2162 3174  
8.26 -349 877 -459 2166 2279  
828 ~~360~~ ~~864~~ ~~456~~ ~~2164~~  
314 144 450 2643

72856? 6 35 10 -41 02 287 NDTV

6 35 23.0 -41 02 33 (1986.5)

+31

(+) 288 -097 1134 -422 04 8  
2.90 -104 1136 -423 7 2986  
2.92 -111 1152 -421 26 2987  
2.91 -104 1144 -419 29 2987  
2.90 -104 1142 -427 (5)

(+)

+ 2.98 -490 1434 -442

2.98 +0.335 12 fm rv

RT (X) (4)

2.94 +0.320 13 fm rv

2.96 +0.332

~~18688~~ ✓✓ 06 43 50 + 10 47 25 60 ~~24~~ 32

+ 10 47 25 3

• 0

244  
8.03 - 264 973 - 330 2.147 21 ~~Jan 79~~  
~~8.02 - 257~~ ~~948 - 312~~ ~~2.148 22 Jan 79~~  
~~8.02 - 313~~ ~~560 - 323~~ ~~2.148~~

~~High~~

~~25 Nov 16~~

~~Western  
Scat~~

~~125~~

49317 A

# 92A  
in 2257



~~45559~~ 06 44 10 44 59 26 11 4777

⊕ ⊕ 
$$\begin{array}{r} 8.01 + 179 \quad 1509 - 181 \quad 281 \\ 7.98 + 179 \quad 1450 - 1422 \quad 281 \\ \hline 8.01 + 179 \quad 1509 - 1720 \end{array}$$

⊕ ⊕ ⊕ ⊕

7.21 + 0.542 12.752  
7.20 + 0.534 13.734  
7.20 0.538 10.538

8M7 R7E

50035 ✓✓ 6 47.00 -61 47.5 +20.4

123

8.46 -897 897 -287 2.165 9 fm 80  
8.46 -404 880 -263 2.174 28 fm 80  
8.46 ~~899~~ ~~882~~ ~~-260~~ ~~2.170~~

302 162 153 200 2

(A) 4 (B)

$$\begin{array}{r} 762 + 216 \times 1560 - 474 \\ \hline 762 \quad 1560 \\ \hline 1562 \end{array}$$

→ 12 → 3

(D) 4

+ 70

114710 47 21 70 157 24 114710

10.584  
+ 0.583 = 11.167  
11.167 - 10.583 = 0.584

500000 ✓✓✓✓✓  
45 +10 50 2.8 F92 +71  
+10 ✓✓✓✓

$$\begin{array}{r} 7.67 - 3.37 \\ \hline 4.30 \end{array}$$
$$\begin{array}{r} 2.129 2174 \\ 2.1232074 \\ \hline 2.126 \end{array}$$
$$380 163 484 2.555$$

50434 6 52 41 14 46.5 2.8 6577

7.83 141 1056 -421 -14 -81  
7.84 ~~125~~ 1044 -427 257 ~~152~~  
~~7.82 144 1102 -433 266 152~~  
~~7.83 144 1065 ~~-427~~ (3)~~

(X) (X)

\* 7.83 533 1374 -431 12 ~~front~~

(X) (X)

741 10.313 12 ~~front~~  
7.41 10.315 12 ~~front~~  
741 10.314



50746 ✓/66 53330 +6235 8.1 FJ22 +4

+261459 A055567 A6124  
10000 711

~~✓~~ ✓ Appar ✓

834 -384 873 -439 2.159 112480  
8.23 -364 883 -424 2.157 238075  
8.21 -351 867 -464 2.165 238079  
~~8.20 -350 874 -445 2.160~~  
16000

846

26000

500.67 6 50 16 → 03.5 24 114 III

+7 -21  
+7

X 7.16 + 217 1523 → 478 2610 ✓  
7.11 + 204 1515 → 70 2410 ✓  
—————  
7.14 / 4210 1541 → 476 ②

7.1 636 540 [ 7.1 70.630 ] 121km/h  
7.10 634 581 [ 7.10 70.613 ] 130km/h  
7.1 633 534

50735 ✓ 06 5305 -8 44.5 8.3 <sup>+55</sup> Feb

8.38 - 506 ✓ 6n <sup>2</sup>	+147	2.255 24 Jan 71
✓ 8.35 - 521	894 +150	2.263 17n <sup>2</sup> 24"
8.37 - 527	914 +130	2.253 20 Jan 71
8.30 - 524	910 +144	2.254 21 Jan 71
8.37 - 524	903 +147	2.257 (7)
173	184 106	2.251

(Var)

~~51002 ✓/06 54 55 +14 32 9.2 F4 <sup>+24</sup> 11~~

+140.494

(X)

215

8.18 -443 876 -390

2.200 23 fm 41

8.20 -451 896 ~~-351~~

2.193 21 fm 29

8.19 -448 897 377

2.206 22 fm 11

8.20 -447 890 =382

2.200 ③

254 1123 730

~~52340 ✓ 06 54 55 + 2 05.5 8.3 P42~~

24"  
8.15 -421 867 -374 2.187 20 ~~Jan 74~~  
~~8.14 -413 866 -378~~ 2.177 21 ~~Jan 74~~  
~~8.14 -417 866 -378~~ 2.182  
296 142 534 2165

2.03 RUE

405 - 65 405 + 84

53658 ✓ ✓ ✓ ✓

$$\begin{array}{r} 7.36 \\ \underline{-3.47} \\ 3.89 \\ \underline{-3.48} \\ 41 \end{array}$$
$$\begin{array}{r} 872 \\ -418 \\ \hline 422 \end{array}$$
$$\begin{array}{r} 868 \\ -422 \\ \hline 446 \end{array}$$
$$\begin{array}{r} 9180 \\ 25100 \\ \hline 21540 \end{array}$$

$$\begin{array}{r}
 53590 \\
 \times 67 \\
 \hline
 37530 \\
 31500 \\
 \hline
 36590
 \end{array}$$

$$\begin{array}{r}
 4431489 - 45011986 \\
 \hline
 1198 - 43011986 \\
 \hline
 1202 - 45222886 \\
 \hline
 1204 - 4412486 \\
 \hline
 56 - 56 \\
 \hline
 0
 \end{array}$$

(1) (2) (3)

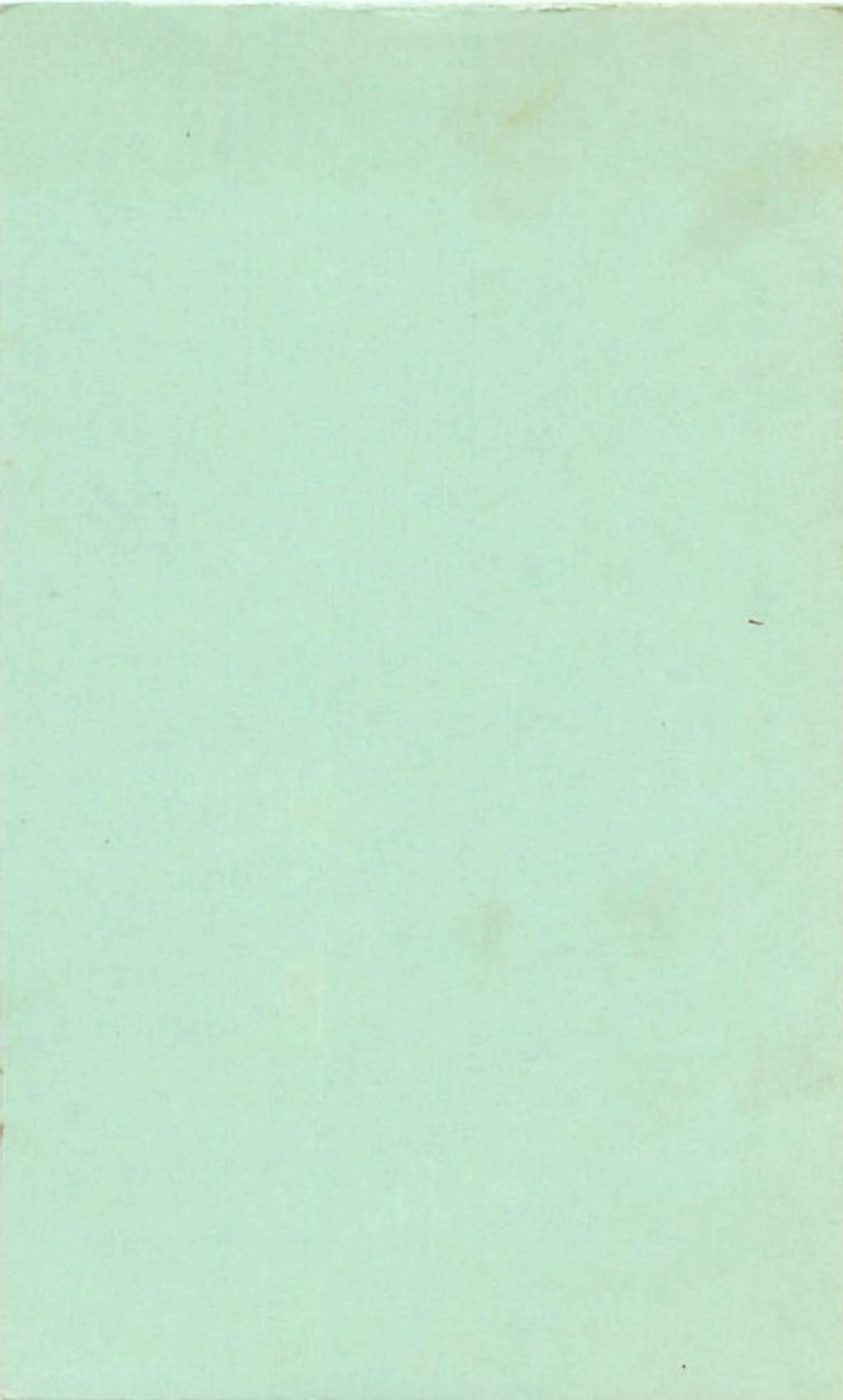
$$\begin{array}{r}
 687 + 0374 101072 \\
 \hline
 687 + 374 10374 \\
 \hline
 687 + 374 10374
 \end{array}$$

54489  $\rightarrow$  08 05 to 17 25 69 IV

$$\begin{array}{r} 227 + 77 1337 - 473 27 \cancel{492} \\ \underline{723} \quad \underline{+ 65} \quad \underline{1343} \quad \underline{- 473} \\ \underline{\underline{725}} \quad \underline{\underline{+ 72}} \quad \underline{\underline{1340}} \quad \underline{\underline{- 472}} \end{array}$$

(A) (B)

July 10 1986 17 hours  
July 10, 1986 17 hours  
July 10, 1986 17 hours



Chesot 147

number seen at 0.5

same day as 284

0.00

→

Chesot 1067

imperial shrike

seen at 0.80

same day as 284

9.26 124 1105 1924 0.50

0.00

15154 7 09 10 24 15 - 8146500

866 FOB  
Fm 55

55876 ✓✓ 09 50 -45 39 +4.1

$\begin{array}{r} 5 \\ \hline 008 + 029 \\ - 008 + 030 \end{array}$

968 - 469      978 - 149  
867    -474      986    -151  
868    -472      982    -150

2243 9 fm 10  
2234 2 fm 10  
2238

2.1      224 254 766 2296

(6.5)

6.78

..

~~55054 ✓ 07 10 45 +10 34 29 F7E ~45~~

+100,446

8.09 -368	866 -435	2.153 22 Jn 78
8.08 -363	868 -437	<u>2.168 22 Jn 79</u>
<u>8.08 =366</u>	<u>867 =936</u>	2.160

340 143 474 2635

55055 ✓✓✓ 10 35 + 06 48 8.280 G +1

(A)

(C)

8.34 - 494 984 - 171 8.227 23 8.24  
8.32 - 452 851 - 152 2.249 20 8.24  
8.33 - 499 936 - 152 2.255 22 8.25  
8.33 - 455 842, 410, 8.255 (3)

21.6 17.6 9.6 10.5

55 3/4 V/V 11 36 -0.8 44 83 50 00 4.20

-80/1744

mult  
first

"90"

$$8.40 - 324 \cancel{8} 12 + 878 2.2 / 16 5.14 24$$

$$8.41 - 325 \cancel{8} 06 + 857 2.2 / 15 2.18 24$$

$$\therefore - 6 \quad 14$$

5 : 3 : 5  
100 : 60 : 40

283 FG~~25~~

56145 ✓✓ 7 12 25' -53 57.5' +155'

285' -336 881 -420 2.124 9pm 80  
288 ~~-328~~ ~~882~~ -424 2.134 2.02110  
2.116 ~~3324~~ ~~882~~ -423 2.124

55760

7 12 35 -21 05.5 A 9

-20° N 86°

-26.6 km

(0.1)

-25 +5

8.42 494 864 -143 2.241 30 fm 82

8.43 496 903 -136 2.243 31 fm 83

8.42 495 900 -141 2.242

July

L1+51610

7.77 +0.383 0.145 0.345 2.589

$\mu > 0.5$

5780 ✓✓ 7 21 40 -09 00 8.3 ASII 447

-8° 1575

Antarctic not to it  
≡

(1)

7.92 -530 892 +110

2.282 22 Jan 79  
24"

7.92 ~~-525~~ 891 +102

2.276 20 Jan 79

7.91 ~~-534~~ 915 +170

2.277 22 Jan 79

7.92 -530 892 +106

2.278 (3)

58774 7 22 50 - 62 = 15 205 65 74

(+) (X) 7.14 - 116 1143 - 486 389 ✓  
2.10 - 114 1146 - 491 309 ✓  
-----  
7.14 - 115 1144 - 491 309 ✓

?

646 10.300 24000  
664 10.307 13700  
-----  
664 10.303 0

(+) (X)

A

58121 7 23 25 to 6 11.5 2767 II

(2)①

$$\begin{array}{r} 2.47 - 29 \quad 1323 - 151 \quad 28 \cancel{\mu\text{m}}^{\text{r}} + 14 \\ 2.53 - 34 \quad 1318 - 145 \quad 29 \cancel{\mu\text{m}}^{\text{r}} - 1 \\ \hline 255 = 32 \quad 1320 \quad 6 \cancel{45}^{\text{r}} \end{array}$$

✓ ②③

$$\begin{array}{r} 2.42 + 0.352 \quad 12 \cancel{\mu\text{m}}^{\text{r}} \\ 2.52 + 0.345 \quad 13 \cancel{\mu\text{m}}^{\text{r}} \\ \hline 2.46 \quad 0.347 \end{array}$$

8.6  
58477 ✓✓ 7 25 20 +18 34 8.3 P22 439  
+1501615

8.6  
8.6770 4.5 W 0.2 N  
5

② 8.21 -462 -912 -154 2.234 234 234  
8.220 -4620 915 -123 2.235 22 fm24  
8.22 2.234 914 -134 2.237

59076/7 7 26 40 -21 06 7.7 65+  
var

(X)

2.60 198 953-456 25  $\mu$ m long  
2.58 -205 947-460 2.153 30  $\mu$ m -20 -9  
 $\overline{7.59} = \overline{2.02}$   $\overline{950}$   $\overline{458}$   $\overline{2.153}$

R (X) (X)

7.19 +0.258 25  $\mu$ m 8  
7.21 +0.290 12  $\mu$ m var  
 $\overline{7.20}$  +0.254

59980 ✓✓ 7 31 20 -00 27 8.1 16111 +25  
-0 1750

(1) (1)

$$\begin{array}{r} 271 \quad 408 \quad 891 \quad -335 \quad 2.173.8 \cancel{Jan} 84 \\ 270 \quad 392 \quad 876 \quad -348 \quad 2.168.23 \cancel{Jan} 78 \\ 269 \quad -398 \quad 877 \quad -349 \quad 2.180.22 \cancel{Jan} 79 \\ \underline{270} \quad \underline{382} \quad (\cancel{862}) \quad (\cancel{324}) \quad \underline{2.173} \quad 7 \cancel{Jan} 84 \\ \underline{270} \quad \underline{392} \quad \underline{876} \quad -389 \quad 2.173(4) \end{array}$$

~~6021.5 ✓✓✓ 32 08 -20 45° 8.6 180 +52°~~

140 m/s

⑦ ~~8.48 -137 876 -160 2.204 23889 04115  
8.65 -431 874 -236 2.167 20 Jan 79  
-8.45 -423 868 -208 2.205 22 Jan 79~~

May 8.46 -130 872 -164 2.204 May