

120129 14 30 18 -61 52.5

10.5.82

9? m. 11.5

var?

1615

12 05 20

65

35

AB 6006 ^m SW 0.0

C 7.9 9 11

BW Sat Red' 15 36 44 -06 49 - up? 10d 28-5.2

↓
↑

(X)
(O)

7.99	+453	857	+86	05:00	13 Aug 80
8.35	+552	883	-35	04:30	17 Aug 80
8.00	+461	841	+136	04:10	24 Aug 80
8.04	+464	862	+70	04:45	25 Aug 80
8.07	+472	869	+102	04:20	26 Aug 80
8.09	+487	872	+39	04:30	27 Aug 80
8.22	+517	884	-13	03:40	28 Aug 80
8.31	+534	908	-42	03:00	29 Aug 80
8.07	+496	863	+48	03:45	6 Sept 80

R R R R

BW Set 13)

8.31	+545	912	-87	08:45	14 June 57
8.24	+527	889	-40	07:40	15 June 57
8.03	+452	861	+95	07:15	16 June 57
7.75	+350	847	+203	06:30	22 July 57
8.17	+515	895	-21	05:50	24 July 57
8.30	+546	914	-66	05:20	25 July 57

EWSct

+1.0 [9.33 +0.857 05:00 11 July 80]

[9.23 +0.825 05:20 13 July 80]

[9.20 +0.831 02:05 20 Aug 80]

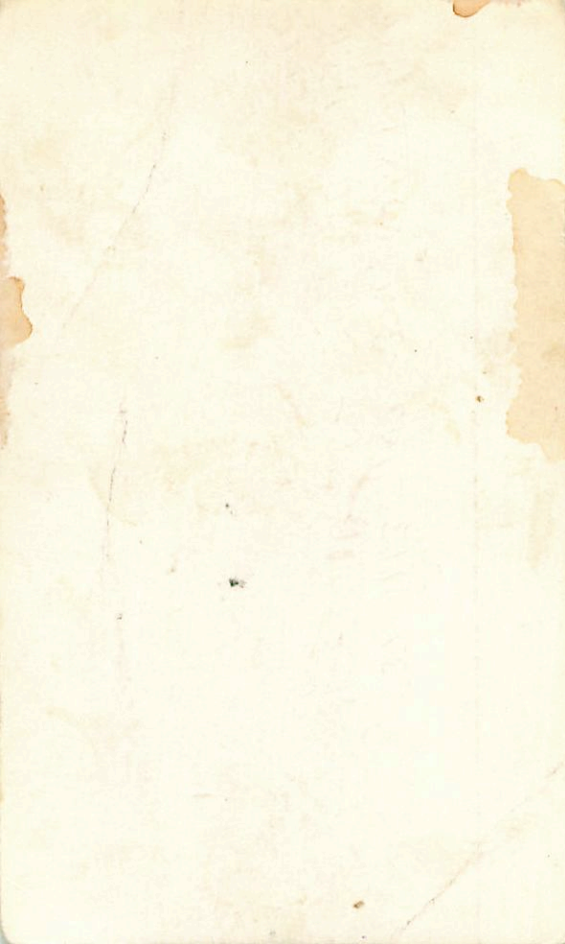
[9.28 +0.859 03:10 9 Sept 80]

[9.14 +0.880 02:45 11 Sept 80]

6.85 +0.848 05:20 19 April 81

6.63 +0.799 07:55 20 April 81

6.92 +0.820 03:25 25 Aug 81



Shortland
Cape

1876

A Set 4689 18 30 10 -13 07-5 9.5-10.4 ✓
4.3

~~X X~~ 11

60

9 Apr 82
10 Apr 82

9.57 - 47 810 + 353	2228	13 Aug 80	04:45
9.86 + 66 835 + 58	2.183	12 Aug 80	04:30
9.57 - 44 798 + 343	2.229	07:00	2 July
9.92 + 67 840 + 74	2.181	06:40	3 July 81

18 Aug?

2650 ✓✓

5 km up 10^d

07 02 45 +20 36 37 F7IG

3.74 -292 1003 1-78 3 Apr 78 22:00

3.81 -273 1017 -136 2 Apr 78 23:30

4 more

4.05 -203 1077 -293 2.130 12:20 10 Oct 78 16"
3.81 -280 1017 -144 2.143 12:10 12 " " "

✓ 4.03 -171 1116 -323 2.135 11:40 27 Oct 78
4.10 -193 1100 -315 2.131 11:30 30 Oct 78

3.94 -167 1124 -322 2.151 08:00 16 Oct 78

⊕ 3.97 -254 1042 -181 2.161 00:10 13 Mar 78

RSet ✓ 18 46 25 -05 44 . 45-6.5
~~240~~

H.O

[8.27 +1.268] 12/1/83
06:20

5.01 +141 1167 -182 7 Jun 79

5.02 +157 1215 -179 11 Jun 79

5.04 +170 1224 -164 13 Jun 79

5.63 +154 1015 -143 8 July 79

5.35 +57 940 -44 15 July 79

5.13 +38 956 -16 19 July 79

5.04 +157 1196 -141 16 Aug 79

7.00 +239 1330 -42 22 Aug 79

5.50 +103 1067 +24 5 Sept 79

over

SMY 1277 1288 - 97 04115 15 Aug 13

ENTR A = 14 55 05 - 68.45.5
 37 d = 8.7-9.1
 2.153

Start Feb 23 8.60 - 258 906 + 164 08:50 252 80
 = 34 V 8.56 - 226 846 + 144 08:55 272 80

9.58 - 224 911 + 110 2.139 09:05 272 80

8.60 - 217 926 + 116 2.132 09:10 26 11"

8.64 - 203 968 + 89 2.192 09:25 3 min 80
 8.66 - 200 968 + 77 2.133 08:50 4 min 80

8.70 - 192 989 + 47 2.142 08:35 6 min 80

8.72 - 183 1000 + 13 2.140 09:05 7"

8.74 - 169 996 + 8 2.138 10 8:50 8"

8.79 - 165 989 - 3 2.142 09:15 9
 8.76 - 174 973 - 3 2.143 09:00 11"

267
225
207
336

W M Mwa 11 51 20 5.1-10.2 v

-65 h.s
156

Su low 12 17 10 -63 10.5 10.8 d
12.1 12.5

h.s. h. 1

ST Pic 6 13 50 9.5-9.9
18.75-

light

-61 28

426

SSCma 7 25 20 10.3 d
11.8 12.5

233

130 -25 13

Card #2

ENTIA

882-176 987 -13
886-141 956 +7
887-174 956 -4
958-224 901 +70

2.143 08:55 12M⁸⁰
2.146 09:05 13"
2.143 09:10 14"
2.140 09:25 22"

H.R. 114

7 27 40

+13 00 5.03 +0.23

114 225 912 2623
106 241 675 2826

5.04 -589 978 -241

[5.27 -830 1212 -100

2.317 21 Jan 79 24"
2.318 22 " "

1412 04 27 25 + 15 50 341 + 15

3.44 ~~100~~ 941 + 138 212005

341 - 606 986 + 117 224005

342 = 1604 928 1129

042 208 1055

100 202 1013

Phylos

1089

04

24

10

+17

53

4.30

405

4.32

-670

922

+139

2122275

4.32

-678

932

+1325

222222

4.32

-674

927

+136

016

198

1064

2

120

141

151

1616

1444 04 32 25 +14 48 48 4.6.6 @: 25

$$\begin{array}{r} 468 \\ 467 \\ \hline 467 \end{array}$$

$$\begin{array}{r} -554 \\ -566 \\ \hline -560 \end{array}$$

$$\begin{array}{r} 929 \\ 948 \\ \hline 938 \end{array}$$

$$\begin{array}{r} 548 \\ 548 \\ \hline 938 \end{array}$$

$$\begin{array}{r} 548 \\ 548 \\ \hline 938 \end{array}$$

$$\begin{array}{r} 548 \\ 548 \\ \hline 938 \end{array}$$

186 208 951

144 205 923

2120078

22 22

1350

~~04 22 50 +17 24 450+16~~

4.82 -612 940 +79 2120078

4.82 -614 944 +76 22 "

4.82 -613 943 +78

090 213 +1.004

091 210 991 2057

33

1356 4 19 20 +15 02 S.26+22

S.25 -568 938 -23 16 Jan 78 40"
 S.27 -569 938 -30 20 " " 36"
 S.26 567 938 -26

129 208 897

124 204 864 1535 2812

84

1400

4

29

5c

+13

40

5.40 + 2c

5.38

-548

938

-66

16

Jan 25

400

5.41

-546

932

-84

20

" " 36

5.40

-547

935

-75

150 200 900

2

best 1 1/2 1/2 1/2 1/2

HR 11.72 5 08 30 +09 48 5.63 + 0.24

5.44 - 568 1005 - 65
5.42 - 564 993 - 78
5.43 - 566 1000 - 72
130 268 850 2827
138 248 940 2780

2.317 21 Jan 79²⁴
2.318 22 "
2.318

83

1425

4 29 25 +15 35 548 +26

5.50 -557 959 -102 PL for 75 40"

5.48 -554 968 -106 20 " " 30"

5.49 -556 964 -104

140 232 817

62

142 233 795 1545

30

1521

4

51

45

417

20

559

559

5.57 - 526 928

5.58 - 534 936

5.58 - 530 932

~~810~~

~~817~~

~~822~~

16 June 40"

20 " " 36"

522
168 202 748

62
170 192 770

38

1369

4 20 50

+14 01

5.72 + 32

5.71 -512- ~~956~~ -164. 16 Jan 78 40"

5.71 -503 938 -179. 20 " " "

5.71 -508 947 -172

191 Pte 790

194 204 719 1520

1292

4 10 10 +15 25 5.73 +36

5.72 -481 900 -274 17 Jan 75 40"

5.71 -480 920 -270 20 " " 36"

5.72 -480 913 -272

220 185 643

731 163 592

69

~~1408 . 4 27 07 +14 31 5.90 +02~~

5.90 -491 904 -120 16 Jan 78 40"

5.91 -495 908 -190 20 " "

5.90 -493 906 -180

206 174 985
985

h

206 170 901 453

6 . 1201 03 51 50 417 16 5.57 40.34

✓

5.54 473 25C-058 2CH- 45.5

0.8 cm of 91 25C-058 2CH- 45.5

906

② 25C-888 9CH- 55.5
25C-476 9CH- 55.5

224 162 162

221 164 110

(2+3) ✓

VB34

4 19 45 +13 49 6.17+457

1-201355

6.16-714 890-404 ③

400665

6.17-413 889-396 2.182-245480

6.17-412 900-406 2.182-25"

6.17-415 895-402 2.182

4258 168 509 2445

292 177 431 2.155

460
606 * #10105

6.17 + 455 ✓
~~6.17 + 455~~

VB34 . 4 19 28 + 13 48
277 ~~849~~ 772

VA201 ¹⁴ 14
6.16 - 406 881 - 403 - 20 Jan 78

6.10 - 420 893 387 22 June 75 ✓

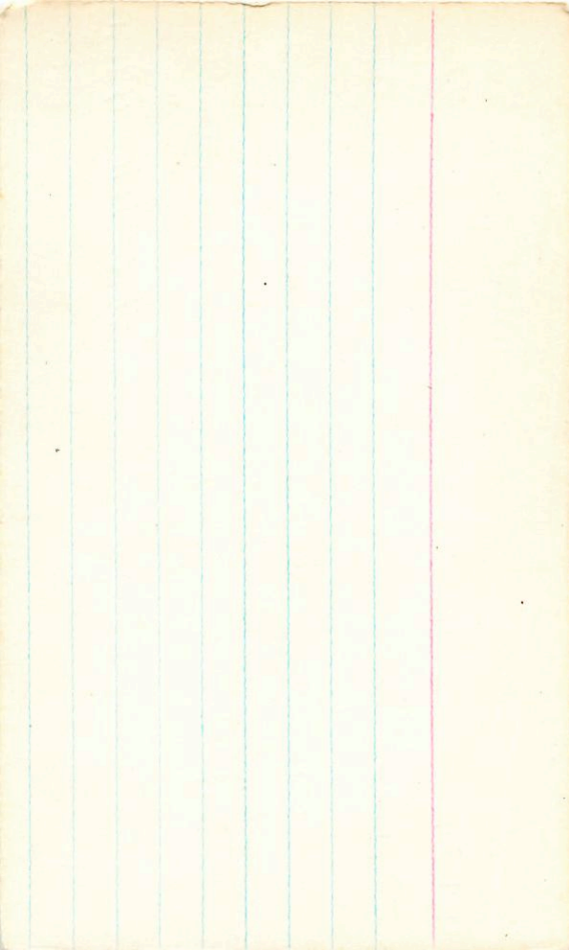
Δ $\frac{6.19}{6.18}$ $\frac{416}{418}$ $\frac{896}{890}$ $\frac{-351}{-354}$ 4 Jan 76

$\frac{414}{414}$ $\frac{404}{404}$

285 16 $\frac{4}{4}$ 467507

6.15 + 0.16 19 Jan 76

452



1358 4 19 35 +13 50

9
6.17 +46

did I report 1356?

5.25 -566 947-29 16 Jan 78 40"

6-16 -406 881-403 20 Jan 78 36"

298 455

292 177 437

20

1319

4 14 30 415 21 6.32+40

2.204

6.24 - 438 886 - 315 16 Jan 78 40'

6.31 - 413 890 - 335 20 Jan " 36"

6.30 - 440 898 - 323

2.12 102 597 575

259 175 524 hrs

2.209

2.205

2.207

2.691

1820 W 4 14 35 +15 21 632240

(HP)

2797 14 Jan 50
2794 16 Jan 50 2.204
2796

HP 1233 3 58 35 +10 D 6.37 +0.42 ✓

50A

6.34 -427 885 -353 16 Jun 78 40⁰

6.36 -433 892 -365 17 Jun 78 40⁰

6.36 -421 890 -369 21 Jun 78 24⁰

6.34 -424 890 -371

6.35 -429 894 -374

276 18 54 247

273 170 479 2470

2.153 21 Jun 78

2.150 22 Jun 78

2.152

2.152

2.152

16yds

AW

1233

3 58 25

+10 16

6.37 + 0.42

9

6.34 - 427 885 - 353 16 Jan 25 40"

6.36 - 433 842 - 368 17 " " "

273

162

~~989~~

273

170

479

HR 1436 4 31 00 705 22 640 + 0.41

1860

6.38 - 424 880 - 352 2.189 21 Jun 79^{24"}
6.35 - 424 891 - 384 2.188 22¹¹
6.36 = 425 896 = 368 2.188

278 160 544 2672

271 171 473 2670



4180M + 947
883

(2 + R)

VR 57

4 24 30

715

574 646 + 219

V.H. 260

6.38 - 345 902

-138

3 Jan 76

6.40 - 391 887

-447

22 Dec 75

1691

6.45 - 387 980

2.154

2.154 26 Dec 80

6.46 - 399 881

2.165

2.165 25 " "

6.45 - 390 883

2.160

0314 157 471 2138 642 - 1018 17 Jan 74

4592 032 181 142

VA 597

4 29 30
~~42780~~

+14 06

6.51 403

85

6.53 -417 877 -364

2.192 19 Jan 79^{24"}

6.51 -421 877 -348

2.179 20⁴

6.52 -419 877 -356 2.187

284 152 587 2626

281 14 469 2680

982
910

X

4	27	50	416	07
4	27	50	416	04

6.59+53

6.15+77

VR75

VA511
✓

(2+β)

6.55 -373 893 -893 22 Dec 75
 6.50 -362 888 -380 2 Jan 76
 6.52 -368 850 -386
 57 -430

(2)

6.39

6.51

10.195 17 Jan 76

338 164 429

342 127 391 490

VA 215
3
V007
1140687

✓ 2008

4 20 25 +14 22 6.61 441

6.61	-438	890	-373	2.196	2.506.50
6.61	-423	865	-389	2.156	19,74
6.61	-434	891	372	2.152	20
6.60	-434	879	-370	2.194	2.628.80
Total	-436	884	-372	2.194	③

266	158	540	2.674
267	157	542	2.674

(2+R)

V.036 ✓ 4 20 15 +15 22.5 680-444

6.84 - 4114 893 - 3877 2.175 14 Jan 80

6.83 - 405 ~~877~~ 2.180 16 Jan

6.84 - 410 875 - 374 2.176

244 150 525 2668

(A7C)

981
917

+

VB 24

4 18

~~6/8~~

(A7D)

+16

28.5 - 6.85 + 50

VA179

22 Dec 75

6.82 - 367 903 - 396

4 Jan 76

✓ 6.85 - 355 915 - 425

6.84 - 361 909 - 412

~~352 / 5 - 455~~

345 181 407

6.81 + 0.200 17 Jan 76

352 164 371

VASTA

4 25 0

09

CIT

05

54+259

8091

"24"

2.174 15 pm 79

6.53 - 409 903 - 405

"0212"

6.91 - 419 987 - 394

2.180

6.92 - 414 993 = 402

289168 516 2.642

VB40

4 21 84 +14 57 655 +565

6.98 -350 901 -488

6.97 -351 904 -442

6.98 -350 902 -440

356 178 470 2.634

282 (39)

2.155 900079

2.157 800079

2.156

6.77

~~6.77~~

6.77 40.173 (2)

10.168 200074

10.174 190074

1000
930

+

VB40

4 21 19

+15 00 728 72

VA 249

JH

~~6.93-354 896 -396 2.211.75~~

~~6.92-354 920 -414 4 Jan 75~~

~~6.92-354 908 -442~~

352 181 419

6.89 +0.205 17 Jan 76

362 199 359

VA249

4 21 25 +15 01 6.99 +56

VB40

6.99 -356 905 -411

6.98 -344 894 -432

6.98 -350 900 -422

6.98 -350 902 -440

6.98 -350 901 -431

2.149 19 Jan 79

2.143 20 "

2.146 ②

2.156 ②

2.151

V A 315 4 23 60 +17 02 6.57 +44

51

750	-405	878	-387	2.181	19 Jan 75	24"
657	-413	981	-369	2.127	26"	
<u>658</u>	<u>409</u>	<u>880</u>	<u>376</u>	2.179		

30676

VB 114

4 49 15 117 10 212+54

116065

(2+P) ✓ ✓

2.11 353 908-469 2.141 2.142

2.11 327 893-474 2.143 2.144

2.11 472 2.142

VB19 ✓ 24B 4 13 30 +10 68 214+512

713 - 363 868 - 428
712 - 370 887 - 425
712 - 376 878 - 426
2150 - 14 Jan 80
~~2155~~ 16
2148