

69800 Arjan  
-078, 456, 455, -286

5-63 + 0.265 @  
5-15  
4-17 257 425  
33 5.58 477

3259	8	17	12	-12	33	5.58	477
495	253	994	-485	30 Apr			
547	252	952	-459	31 Jan			
555	251	988	483	2 Jun 77			
556	259	972	-468	6 Jun 77			
558	231	975	-474	7 ..			
557	264	990	-480				
555	484	255	424				
555	484	245	429				
555	455	297	307				

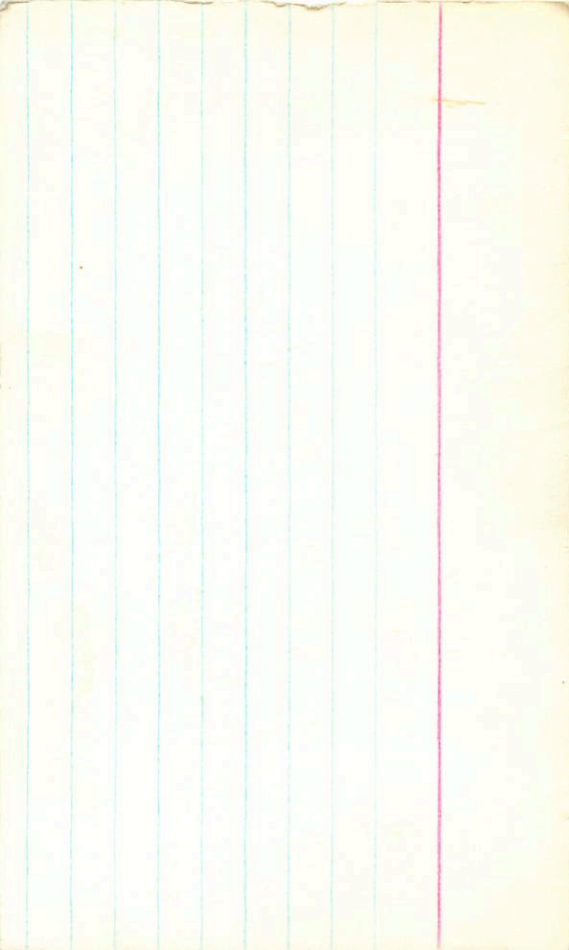
2.60 corr  
265  
5.58  
5.16  
2.55

R V (A)

8-10 + 0.303 28 Aug 1  
5-10 + 0.227 14 Apr 1

1824 58  
184 429  
255 429  
297 307

5-5 455  
5-5 455



1326 ✓ ✓ 08 17 00 -29 56 6.44 +104

RR 6.44 -93 1174 -447 282180

6.45 -103 1187 -461 151028

6.44 -95 1173 -436 29 ""

6.44 -94 1174 -441 [234 +395] 139

350

5.96 +0.330

6.03 +0.335 17m2E

6.01 +0.352 28m2E

6.02 +0.340 ✓

6.00 +0.328 ②

1mm ✓

Ⓡ Ⓢ

✓✓ 3264 08 19 00 +20 49 5.879101

5.82-34 1240-449 26 Mar 78  
5.77-48 1262-455 18 Apr 78  
5.80-41 14-08.9  
1251-452

531 +0.350 23 Jun 78

5.25 +4 5.25  
5.22 +4 5.25  
11.75  
20 Jun 78  
18.1 R

3266 ✓ 08.17.25 ✓ 52- ✓ 2015799.8

MINN

560 +28 82+ 09.9

560 +26 92+ 09.9

559 +31 12+ 65.5

560 +28 82+ 09.9

1415-5111 1405-5111

1406-9041 1402-9041

1401-8041 1408-8041

805-5111 805-5111

805-537 805-537

805-537 805-537

R 435 15 April

410 15 April

503 +120 15 April

507 +120 15 April

736 +454 13 Jan 23

738 +462 13 Jan 23

738 +462 13 Jan 23

448 389 410

502 393 413

444 391

3269. ✓ 08 18 35 +04 00 6.04+57

6.06 - 142 1082 - 134  $\Delta m = 0.5$   
287450.2

6.08 - 115 1045 - 415 18 Apr 55  
16"

6.04 - 140 1065 - 412 - 15 " "

6.06 = 141 1073 - 423 (2)

6.258 + 397 7.8483  
286 392 18 Jan 80

(R) (R)

5.64 + 355 15 Apr 74  
5.71 + 348 17.5  
5.68 + 346 8.95

(R) (R) 5.582 319

5.68 348  
5.71 347  
5.68 348  
5.71 347

✓

(R)

344

0

70110

(10)

32271

8

18

55

20

50 60.7 60

77

6.19

-333

911

-423

2 Jan 77

5.54 + 0.21 (Jan 77)

6.17

-326

~~878~~

-382

6 " "

6.13 + 0.20 (Jan 77)

6.18

~~318~~

~~899~~

-410

7 " "

6.04 + 0.20 (5)

6.18

~~328~~

~~896~~

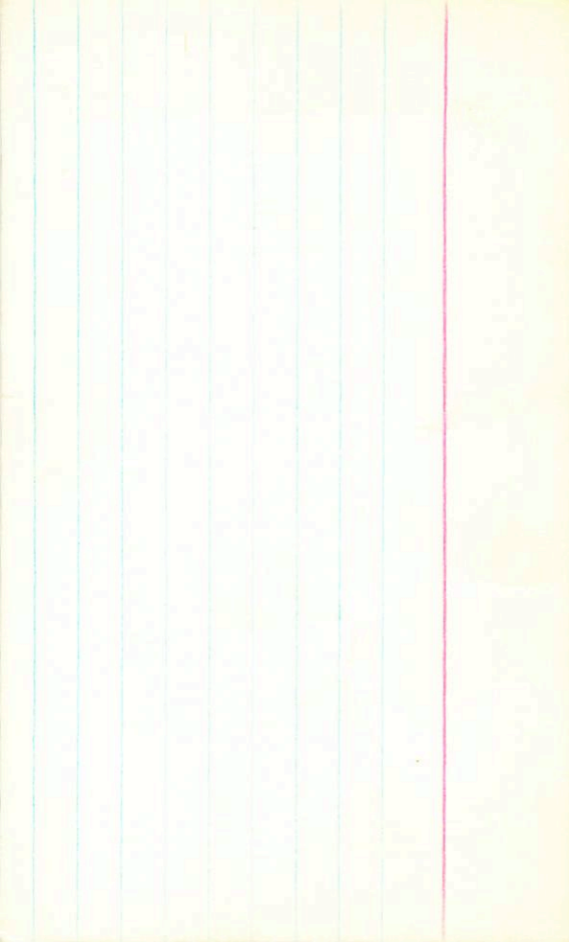
-405

6.18 376

1768

506

1563 (3)





3271

384 207 400 2.611 5th

66

6.17 388 186 410 (5) down

166 500

2.64

6.18 0.385 0.166 0.550

~~383~~

175 506

3272 ✓✓ 08 19 10 -05 15 6.11 +1.34

6.13 +85 1412 -478 8 May 78 36"  
 6.12 +83 1417 -477 9 "  
 6.14 +84 1415 -482 (2)

RT  
102 68

45

IRX  
 ↖  
 ↗  
 (X)

[ 7.80 + 0.448 ] 28 Nov 81  
 5.46 4300 +1  
 [ 7.80 + 0.445 ] 23 Nov 80  
 7.82  
 5.35 + 0.438 (2)

3276 ✓ ✓ 08 <sup>19</sup> 1149 25 -22 51 6.12 +1.04

RR 85 1193<sup>69</sup> 571 428B 18"6"

(4) (1)

6.13 85 1193 571 428B  
6.15 84 1169 554 18 Apr 78

6.14 -83 1158 -554 25 Mar 78  
6.16 -62 1143 -547 15 Apr 78 16"

6.17 84 1175<sup>1</sup> -568 (2)

5.72 +0.345 15 Mar 78

5.70 +0.344 17 Mar 78

5.71 +0.344

3279 ✓ 18 20 20 -20 00 558 +77

R R 560-223 1006 -304 2 Mar 50

(A) 560-209 859 -312 -15 Apr 58 16"  
558 -226 1010 -325 29 Apr 80 40"  
559 ~~224~~ 1012 -315 (2)  
-224

5-22  
5-22 H. 278 (15 Mar 27)  
135 177 Mar 27  
532 -285  
532 -285

W

3250 0 15 08 -65 32 5.06 + 115

5.06 -23 1324 -530 30 Apr ✓  
5.06 -24 1342 -532 21 May ✓

(X)

5.06 -26 1331 -501 15 Jun 75

(R) (R)

5.05 -24 1319 -485 24 Jun 75  
5.06 -24 1330 -520 (17)

4.54 +39 6 May 74

4.58 +355 26 Jun 78

4.56 +0.378

341

4.57 +0.362 27 May 74

(R) (R)

[6.92 +0.414] 19 May 74 ✓

328 ✓ 808 20 50 20 5744.06

$$\begin{array}{r} 5.75 - 66 \quad 1150 - 392 \quad 8475 \\ \hline 5.73 - 64 \quad 1140 - 378 \quad 8475 \\ \hline 5.72 - 66 \quad 1145 - 385 \quad 8475 \end{array}$$

16

519 354  
 519 354  
 519 354  
 519 354  
 519 354

5.5 + 395 2000  
 5.11 + 39 30 2000  
 5.14 + 395 31 " "  
 236  
 304

182 R  
 182 R  
 182 R  
 182 R  
 182 R

250 + 0.414  
 250 + 0.414  
 250 + 0.414  
 250 + 0.414

2.57 + 0.335  
 2.57 + 0.335  
 2.57 + 0.335  
 2.57 + 0.335

22 Nov 70

304

2588 20 20 20 - 39 - 65 95 14 + 23.74

NA

$$\begin{array}{r} 483 \\ \underline{483} \\ 0 \end{array}$$

$$\begin{array}{r} 483 \\ \underline{1157} \\ 1640 \end{array}$$

$$\begin{array}{r} 483 \\ \underline{1481} \\ 998 \end{array}$$

$$\begin{array}{r} 483 \\ \underline{1811} \\ 1328 \end{array}$$

$$\begin{array}{r} 483 \\ \underline{2294} \\ 1811 \end{array}$$

22  
- 2524

21.2

(183) (+)

(102) 54

1000 1000 964

18281 [25404 + 54.7] 14281

11860000 11860000

(1000)



3259 ✓ 08 21 40 12 59 65 21-04 12 80 2017 21.9 100

RR ✓  
6.17 -113 (113D=441) 15 Apr 28 16 \*  
(M) ✓ 6.13 -122 1153-463 25280 40"  
6.14 -116 1159 469 25" " "  
6.14 -117 1156 -466 (2)

5.75 +0.336 15 Mar 25  
5.75 5.75  
5.75 = 336



3298  $\sqrt{082050}$  -6402 6.11 10.93

RR  
6.10 -146 1104 -428 15 den 5F  
6.09 -147 1093 -471 24 den 58<sup>24</sup>  
6.10 -146 1098 -474

570

5.72 +0.287 26 den 5

5.69 +0.299 27 "

5.70 +0.293

3317 ✓ 08 24 35

6.44 -17 22  
6.43 +21 138  
6.43 +15 140

~~VP#~~

(1 MODA)

6.44 +22 1401 -567 140278

(DD)

6.45 +34 1320 535 115 Apr 78 16"

6.44 +19 1395 -542 (3)

5.19 +43 10 20074

5.96 +400 15 20078

5.87 +389 21 20078

5.91 +395

Ref

3323

8 28 35 +60 47

3.36 C5H

14ya.g

✓  
✓  
✓

3.40 -202 1032 -409 266A20

3.36 -191 1013 -405 25"

~~3.38 -194 1034 -415 294~~

~~3.38 -197 1033 -410~~

~~522 308 H22 2.559~~

517 2.54 500

501

522 308 H22 str

3324 ✓✓ 08 25 35 -12 27 554 +119

5.53 -22 1305 -468 7 Mar 81 (36)

5.53 -5 1279 -457 18 Apr 78

5.52 -38 1311 -474 29 Jul 80 40°

5.52 -22 1308 -471 (2)

~~1 Mar 81~~

~~Apr 78~~

RI  
102,65

RI (X)  
405

7.27 +0.375 22 Nov 80  
7.34 +0.375 10 Mar 81  
7.30 +0.376

3325 ✓ 05 26 10 -0.6 20 6.58 +0.5

R R

661-380 781 -324 8mg 75  
6.59-377 783 -316 18 mg 75 16"  
6.60-378 782 -320

327 186 569 2222

(452) 110

6.50. +157 157mg 75  
6.50 +177 18.11 "  
6.50 4105

338 168 512 2027 w  
160 324 173 515 2692 ✓

3336  $\sqrt{\sqrt{18}}$   $\frac{26}{80}$  20 -31 37 6.28 120

RR

6.35 -159 1065 ~~-501~~ 144 km 78  
6.33 -163 1043 -50.2 29 km 78  
6.34 -161 1054 -50.2  
555

5.97 +1299 17 km 78  
5.97 +0313 17 km 78  
5.97 +1306



3338 ✓ 08 27 15 -08 44 642 + 120

✓ 6.44 + 1 1328 - 477 = 25280 40"

✓ 6.44 + 19 1311 - 462 25 months

~~6.44~~  
6.44 + 8 1317 - 486 26"

6.44 + 9 1319 - 478

73

5.50 + 42 13 months + 11.0  
5.55 + 409 17 months + 22 months

821 128

185

5.48 + 450



3340 ✓  
✓

08 21 30 -77 25 4.34 +1.15  
18<sup>m</sup> 31<sup>h</sup>

(1) 1 more

4.35 -18 1326 -508 (+) 152487 (36)  
4.34 -12 1330 -513 30 ↓ 25  
4.34 -19 1323 -487 29 7  
4.34 -16 1326 -503

3.77 + 42 (2) 1172

384 387

3342 ✓ 18 25 35 = 64 31 5.56 + 0.56

RR 5.56 - 127 1127 - 483 3046 > 5  
5.55 - 126 1129 - 481 29 " " 24  
5.56 - 126 1128 - 482

155

5.57 + 0.303 2646 > 5  
5.53 + 1259 27 "  
5.55 10301

3347

✓  
✓

08 25 30

-66 64  
<sup>239</sup>

122 III

3.76 + 1.12

3.77 - 50 1292 - 445 12 Mar 87 + 1

3.77 - 40 1223 - 450 30 Apr 87

3.77 - 45 1283 - 450 29 " " 24<sup>th</sup>

✓ 3.77 - 45 1283 - 444 (3)

PP  
10362

330 341 long

35 10365

Δ 20200

3362

8	29	40	-32	0.5	5.6 #2
5.60	+192	1567	-574	42183	

5.62	+180	1594	-627	42183
5.59	+182	1554	-592	232187

5.62	+186	1572	-567	7mm 87
------	------	------	------	--------

5.61	+189	1564	-573	(2)
------	------	------	------	-----

(X) (X)  
(2)  
(X) (X)

0.535 10mm

7.20	+0.493	10mm 87
7.19	+0.492	11 "

(10+) (X) (+)

7.20	+0.492
1.52	

3366 ✓ ✓ 08 31 25 +20 31 5.35 123 11

5.34 +33 1404 -495 19mm 78 40'

5.34 +39 1400 -488 26''

~~5.34 +36 1402 -491~~

762

↑

4.74 +435 15 mm 74

487 +409 17mm 78

~~4.84 +423~~

423

3378 ✓✓ 08 22 30 +04 50 5.86 +1.07

RR

645  $\frac{620}{17.16}$

5.84	-70	1208	-537	2 Apr 78	24"
5.52	-57	1187	-535	18 Apr 78	16"
<u>5.50</u>	<u>-67</u>	<u>1198</u>	<u>-535</u>		

426

5.53	+1337	17 Apr 78
5.51	+1346	18"
<u>5.52</u>	<u>+1342</u>	

3364 ✓✓ 08 29 00 -55 06 635 +80

RR

6.35-216 1028 -331 30th July

6.35-221 1036-330 29 " " 24"

6.35-218 1032-330

44'

583

483

6.02 +0.265 21st July

5.99 +0.26327 "

6.00 +0.264

5.50 + 0.35 (A)

2369 ✓

72324 ✓

8

31

32

+ 24 10

6.367102

(1) (4)

39

112

1231

- 487

64

6 Jan 83

6.36 (136) 1229

- 514

12 Dec 76

6.36 (54) 1230

- 534

25 " "

6.31 - 109 1237

- 516

26

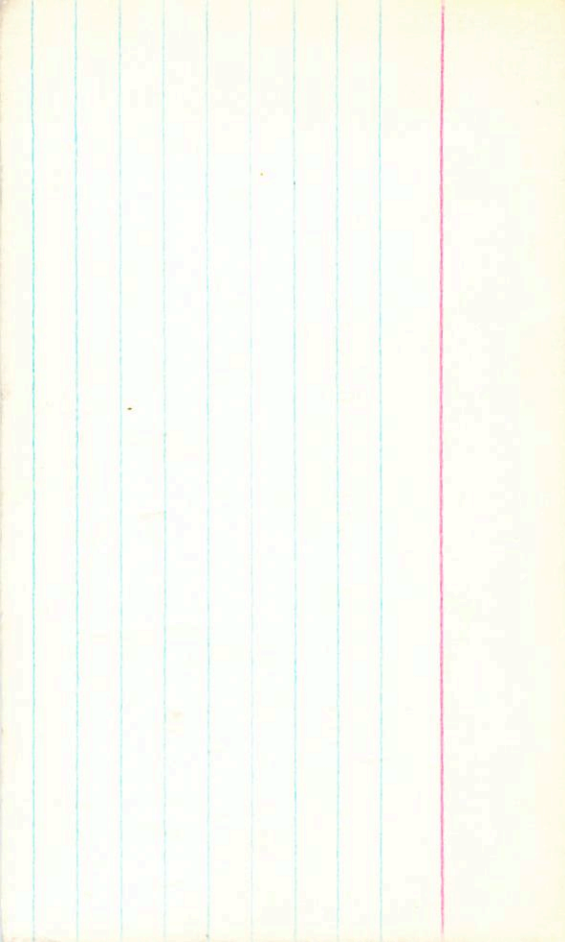
6.31 - 110 1232

- 572

(14)

6.34 + 0.6 478 395 2544 (3)





3376 ✓ 08 32 30 +13 20 6.26 100

626 -6 1364 -516 9 Dec 74

✓ 6.27 +8 1371 -537 2 Apr 75 24"

6.27 +4 1358 -513 15 Apr 75 16"

6.25 +2 1314 -522 ③

5.77 +395 6 May 74

5.05 +41 15 Apr 74

5.75 +0.362 23 Jun 70

~~1875~~ 12505 +0.359 22 Apr 73

8775 +0.360 ②

② A

3382 ✓✓ 08 30 50 -54 19 6.33 +1.31

R ✓

634	+60	1462 <sup>4</sup>	-532	292180	40 <sup>+</sup>
6.35	+68	(1436)	-530	292178	24 <sup>11</sup>
6.35	+51	1457	-529	152218	40 <sup>4</sup>
6.35	+60	1460	-530	(3)	

(1R+) ✓

H

[8.04	+0.426]	722180
5.71	+0.426	072174
40.445		

495 10265

(1R+) 10265

① One of 8C:04 14-9  
② 8E:04 01-9  
③ 8E:04 01-9

8 01 51 51 25

1201

6.42-249 1003-520 9531 Jan 52

293 Cur

6.42-223 975-504 13 Jan 77

1831

6.44-247 1002-540 11 Apr 77

6.04 4050 409

6.29-246 1001-540 10 Apr 77

6-01 857  
603 243

6.41-230 970-511 9 Apr 77

6.41-247 1000-530 4

6.29 4030 250 271

1176 956 242 1810

Ascot 8E:04  
Ascot 8E:04  
Ascot 8E:04  
Ascot 8E:04

8E:04  
8E:04  
8E:04  
8E:04



92779

4.65 43

H1337

6.58 -270 +925 -343  
-311 142176

6.56 -275 916 -324  
-296 157176

6.54 271 907 -347  
-347 162676

6.54 -270 907 -337 2134 12-180

6.54 -265 915 -314 2138 13"

6.56 -271 918 -332 2134

321 443

439 1490 23 581  
485 493 2607  
13 4.67 123

3385 ✓✓ 08 32 05 -34 35

Bridona Hill  
6.16 100 HR

RR

6.38	-141	1095	-505	1410
6.42	-130	1117	-503	2910
<u>6.40</u>	<u>-135</u>	<u>1106</u>	<u>-504</u>	
	582	362	104	

814

5.58	+312	1110
5.56	+0.305	18 117
<u>5.57</u>	<u>+318</u>	

HD 72771

7.58 -710 779-702 1410

3390 ✓✓

08 32 45 -46 54 632 152 ✓  
42

RR

6.26 +236 1524 -583 29 Jan 80

6.27 +215 1543 -590 14 Jan 78 24"

6.25 +230 1520 -569 29 Jan 79

6.26 +228 1529 -581 (3)

1 more ✓

152

548  
7.81

517

+0.512 14 Apr 81

~~RR~~

RV ✓

5.49 +0.522 21 Jan 58

5.47 +0.547 18 Mar 78

548 +0.512



3392 ✓ 68 34 15 +02 49 6.32 +1.02

6.36 -86 1165 -458 2 Apr 78 24"  
6.33 -56 1164 -464 18 Aug 78 16"  
6.34 -50 1166 -461

(R)

5.94 134 15 Aug 74

6.01 1335 17 Mar 78

5.98 338

6.01 10335 15 Mar 78

5.92 10333 27 Aug 83

5.96 10334 (2)

(R) (V)

3393  $\checkmark$  08. 26.00 -80 50 5.68 +102

RR

5.67 -105 1103 -388 20  $\downarrow$  28 <sup>24 4</sup>  
5.68 -102 1091 -377 29 " "  
5.68 -104 1097 -382

5.22 +0.36  $\Delta$  26  $\downarrow$  28  
5.17 +0.252 27 "  
5.20 +0.356

3407 ✓ 08 34 00 -49 52 <sup>101 11</sup> 5.00 +1.33

73155  
RR

5.01 +102 1377 -583 30 Dec 75

4.99 +100 1376 -576 29 " " 24

5.00 +101 1376 -580

730 611 325 ✓

860

159

445 460

3164

4.45 +0.44 26 Dec 78

4.40 +0.44 21 Dec 78

4.42 +0.44

455

3395

3391

127

458

126

~~388~~

5.95 323

240

425

220 420

274

31

121821

3704 8 34 17 35 59 644 + 58 dc1

ⓧⓧⓧ → 2TB (A)

646 -346 845 -424 1228

647 -332 868 -410 6477

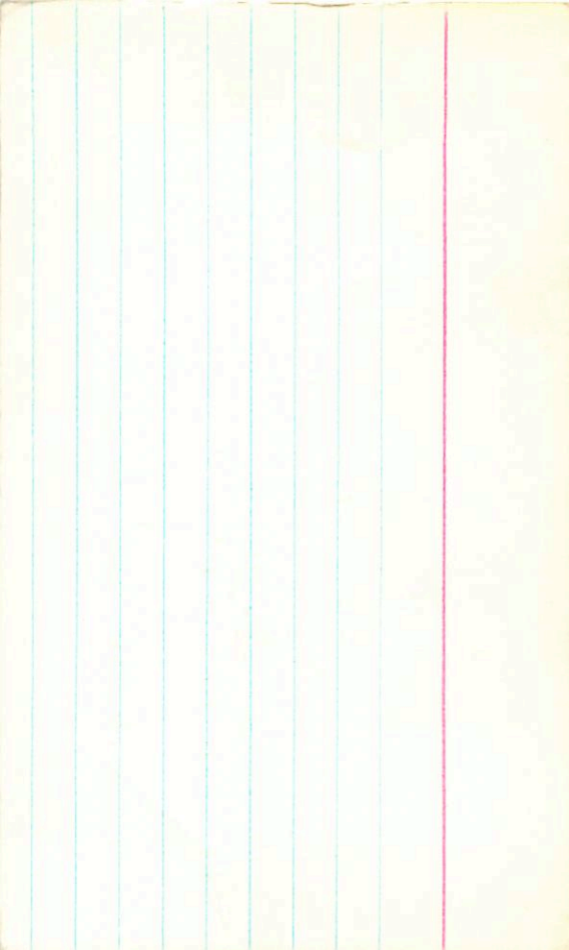
646 -330 882 -410 7"  
646 -336 888 -415

6.20 + 0.19 x 37.77

2.152 122683  
2.146 252475  
2.149

ⓧⓧⓧ 1958 / 15083

644 368 165 492  
180 402 ⓧⓧⓧ



3411 ✓ 08 36 20

-04 51

6.18 + 1.05

RR

6.20 - 87

1187 - 450

162400(4)

6.19 - 77

1120 - 447

18 Apr 75

6.18 - 54

1177 - 418

8 Nov 79 40"

6.18 - 86

1178 - 438

1178

1 mo. 75

5.90 + 1345 17 Nov 75

5.77 - 10352 19 Nov 76

5.55 / 7350

155

3417 ✓ 08 32 55 -73 17 611 +0.95

6.15 -133 1070 -418 2 Apr 78 246

6.13 -149 1081 -422 15 Apr 78 405

RR 6.14 -141 1076 -420

5.70 +0.31.3 26 Jun 78

5.64 +0.306 27 "

5.68 +0.210



34 Apr ✓ 08 34 45 -57 56 485-110

486-104 1155-458 2424-40

488-58 1122-470 20475 24"

487-121 1161-481 1510-75 40"

$\frac{487}{487} = \frac{101}{101} = \frac{8811}{476} \text{ (3)}$

①

4.40 2.96  
4.40 2.51

314  
314  
314

337 WNW  
133

6.78  
6.73 + 0.286

6.78 + 0.286

446

6.73 + 0.286

14 Apr 51



401

119

3421

6.124 873 182 464 2.610

403

244 391

258

+415

+422

what (NF) ✓✓

6.53 376 202 376 202  
→ 187 461

3421 8 36 15 24 -40 03 654+40

✓✓ 3524

6.55 370 177 471 2676 399 -  
6.53 376 197 461 album

6.50 377 201 342 2.590 23mor71

6.55 338 905 -434 -1721 6.34 +0.19 ①

6.55 -345 909 -439 16 am 76 6.30 +0.20 27am 72

6.54 329 947 -443 28 am 76 6.24 +0.205 27am 77

6.55 337 904 -439 6.24 +0.195 13 am 76

6.24 +0.23 17 am 76

Cape 196

2.157 1521B  
2.148 2521B ②

6.24 +0.205 ②

2.150 ②

3424 ✓ 08 35 10 408 06 6.44 + 108

① 6.47 - 64 1242 - 461

6.44 - 72 1255 - 983 18 Apr 15 16"

6.45 - 73 1238 - 465 8 Jun 19 40"

6.44 - 71 - 1240 - 463 ②

6.41 + 338 22 Jun 15

6.08 + 3447 17 Jun 15

6.04 + 3339 ②

✓ 21

89982 ✓

74

6-01 + 32

8427 8 35 40 +20 07 639 1011

6.40 -107 1158 -42 28 Apr 77  
6.42 -141 1157 -481 12 Jul 76

6.34 (-089 1154 470) 28 Apr 76

6.39 124 1205 -42 24 Apr 75

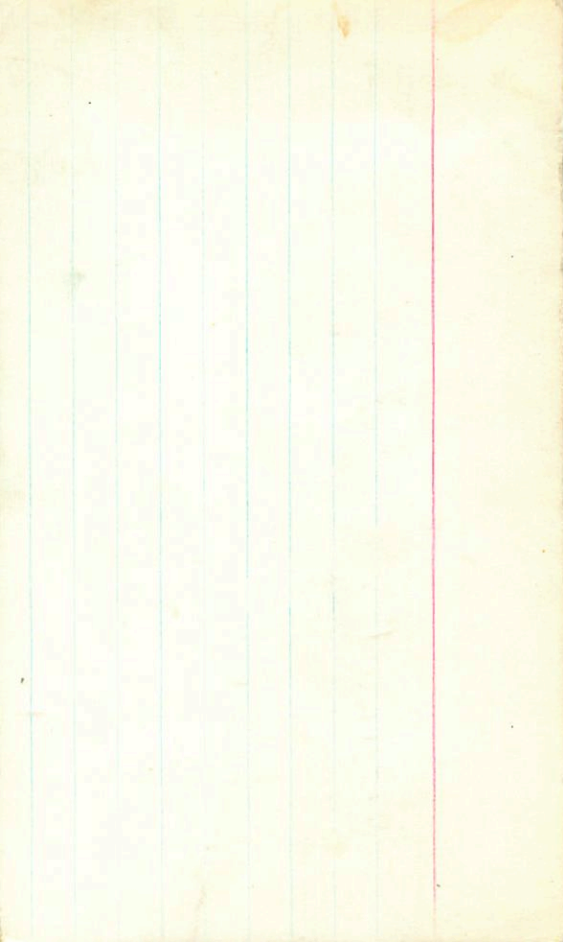
6.40 125 1193 -478 (3)

[8.32 - 10.25 (2 Apr 77)]

1 May 77

6.03 10.291 37423  
5907 243

Handwritten signature and initials: *FR* and *FR*



114 418  
1022  
114 418  
1022

614  
106

6.05 + 35

Change

3428 ✓

38 56 75

619 416 644 1027

937

1227 - 515  
1184 - 454

76 Jan 77 300  
24 Apr 76 286 310  
304

105 - 1021 - 501  
642 - 1011 - 532

18 Mar 73

1250 - 545

8 May 73

1236 - 532

+0.355

643 - 403

+0.308 11 Mar 71

6.51

+0.374 17 Mar 73

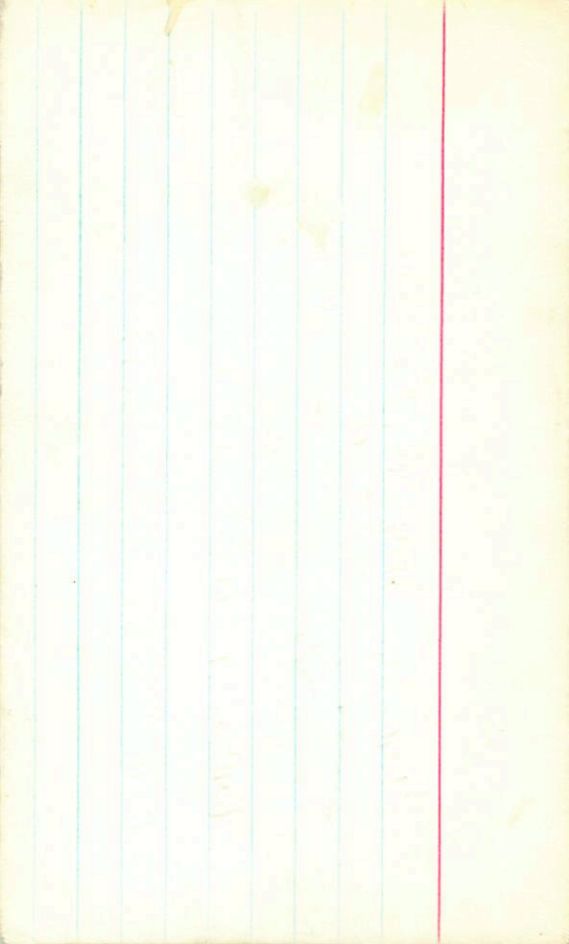
809 593  
302 389

~~6.51~~

~~6.51~~

6.51  
+ 1000





3431 ✓ 68 38 55 -12 23 496 +193

499 +146 1477 -488 15 Apr 75 " "  
497 +145 1480 -506 15 Apr 75 " "  
498 1478 -507

505

505

3432 ✓ 08 36 55 -62 46 5.46 +102-

① A 5.52-104 1176 -436<sup>2</sup> 23248130 A 5-8"

② B (5.47 -56 1157 -470 2245824" AB  
5.46 -58 1157 -444 154278 AB

③ A 5.49 -113 1180 -470 17218 A

④ 5.50-108 1178 -470 ② A

⑤ 11mou (F)

5.03 +0.225 21628

5.00 +0.2627

5.02 +132.6



3423 ✓/ 68 38 45 -29 28 488 +0.50

10.5 52 "

4.52 - 858 1000 - 412 - 18 18 25 16 "  
4.52 - 162 1001 801 414 - 414 15 " 303  
4.52 - 158 1004 1004 413

298  
290

(R)

(R)

[687 +0.373] 15 1/8

[680 +0.355] 8 mm R

[681 +0.355] 17 mm R

16 1/4

2887

3438 08 39 10 -35 13 3.57 + 0.92

✓

12-110

7406

358 -153 1090 -432 30 Rev 25 24

357 -153 1091 -431 29 11 2  
358 -153 1090 -432 ②

563 348 475

517 365 410

300 1360

191e

191e

3441 ✓

08 40 40 -15 51 487 +106

11.5 33" 0.4

490 -80 1190 -444 15 Apr 28 16 " 323  
 489 -69 1185 586 18 " " 819  
 460 -55 1188 641 338  
 454 -454 654 313  
 434 313 309  
 439 309 315  
 444 315 345

624 [4035] 12mm 83  
 674 [4037] 15mm 83  
 673 [4038] 8mm 83

350 366 371  
 358 372 375  
 375 375 375  
 375 375 375

3445 8 40 00 -76 35 3.9 F27a

3.82 -230 786 +504 2940278 24"

3.82 -225 785 +484 2040275 24" (+)

3.83 -225 784 +534 2.1059 12mm 8

-228 787 +507

3.82 488 071 1.475 2.6357 6

512 033 1.349 2.109 6

3.83 0.4885 0.069 1.447 2.623 3 55m

352



3459 ✓ 08 42 33 -07 09 463 +0.83  
 335 402 873  
 342 575

71395  
 4.66 -177 975 -335 15 Apr 78 16'  
~~4.64 -158 1024 -380 18 Apr 78~~  
 4.64 -200 1028 -384 ⊕ 15 Jul 81 36  
 4.64 -205 1038 -379 8 Mar 87 30  
 4.64 -202 1030 -381 ⊕

4.31 + 2.82 Cousin  
 4.31 199 261 1260  
 4.31 263 551 3025  
 4.31 119 399 3025  
 4.31 975 3025

4.550

3471 ✓ 07 41 45 -55 42 6.28 +1.15

1mm ✓  
R 6.27 -2 1320 -455 29 Apr 80 40"  
6.28 0 1303 -452 21 Apr 75 24"  
6.28 -14 1337 -470 15 Dec 75 40"  
6.28 -8 1315 -459 ③

387  
388

568 377  
[8.01 +0.372] 14 Apr 81  
✓ 5.16 +0.388 21 Jun 79  
[8.01 +0.400] 10 Jul 85

✓

PI  
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