

+40759

VB1B

4 45 40

408 59.0

7.25 + 0.55
~~7.25~~

14030311 (24P) ✓

726 - 358 906 - 466 2.143 24 Nov 80

724 - 355 905 - 462 2.145 25.11

726 - 356 906 - 464 2.144

2-18

1081 ✓

4

24

55

+05

06.5

78.45

235

-368

873

-443

2.143

14 Jan 80

236

-368

871

-441

2.149

16 Jan 80

237

-368

872

-442

2.196

2.196

450621

956

x

VB65

4

26

25

+15

33

7.42 +54

VB446

(28) ✓

235-374 912-427

22 Dec 71

235-371 906-423

4 Jan 76

940-367 902-444 2150 21 Dec 80

7.38-371 907-454 2.150 +1.175

334 179 450 21026

7.35 +0.185 17 Jan 76

347 176 350

447

960
+150624
VB 59

+

4 24 55

+15

31

249 + 541

(27?) yes

V A 884

2 + 13

✓

203

7.44 - 358 + 413 - 432 22 Dec 75

7.42 - 359 859 - 432 4 Jan 76

7.40 - 349 879 - 420 2.148 26 Dec 80

2.47 - 354 868 - 404 2.157 28 "

7.45 - 355 879 - 440 2.150

3.51 153 420 2.122

7.40

51.04

17 Jan 76

246 + 117 = 363

49027406

VB31

+180623

04 19 00

+19

11

7.47+506

(2+8)

✓

2.46 -354 899 -454 2.148 25Dec-80

2.47 -369 906 -437 2.137 26

2.46 -361 903 -446 2.143

400500H

VB66 +110614

4

26

40

+11

41.5

554152

(2+B)

✓

7.52-252

-356 905

-414

2.145 250000

7.52-252

-354 891

-414

2.144 28"

5.52-252

-355 899

-414

2.144

2-18

VB102 ✓ 4 36 20 +15 06.5 754+60

758-316	891	-4519	2131	14/10/80
756-320	898	-461	2133	16/11/80
757-318	894	-458	2132	

✓
(HB)

VR 50

+14 43

22 46

✓

7.62+60

~~765+53~~

VA 304

2.143 6 Dec 79

7.61 -330 918 -469 -465 11 Dec 79
7.55 -328 +909 -434 -465 22 Dec 79

✓ 7.54 -329 934 -476 -515 7 Dec 76

✓ 7.53 -331 915 -424 -464 19 Jan 76

7.58 -330 914 -467 (14)

21

328 186 442-2.620 (9)

746 +0.23 17 Jan 76

735 2.23

316 200 025

150186

VB 118

(2+10) ~~20~~

4

45

20

+15

51.5

274+58

30589

✓

7.73 344 903 442 2.140 2.140-80

7.73 342 891 444 2.146 25"

~~7.73~~ 343 897 443 2.143

Wynals

20430/9 3 16 25 +07 34 - 240 +57

3 16 30 +07 36 - 275 +62

2.145 (2) Jan 50

(2 + 12)

5. 235-245 93-708 2.158 22 Aug 50

A 734-344 889-401 2.161 23 " "

738-344 890-404 2.165 other land

355 507 2.171

0.0

723-313 894-431 2.177 22 Aug 50

774-322 907-414 2.184 23 Aug 50

774-318 900-425 2.187

390 173 485 2.125

4000 ✓
20432

19600

✓

✓

7.40+57+10

3 16 06

+07 34.5

20436

3 16 12

+07 35.5 7.75+62⁺¹⁵

7.78

10.20 8 Jan 77

7.36 -340 882 -384 5 Jan 76

7.37

10.21 13 Jan 76

7.39 -350 910 -413 7 " 2.164 9 Jan 76

7.29

10.18 27 " "

7.40 -354 907 -359 12 " 2.157 10 "

7.28

10.19 29 " "

7.38 -352 900 -400

7.28

10.18 30 Jan 77

7.77 -313 (968) -404 5 Jan 76

7.74

10.20 5 Jan 77

7.77 -317 909 -430 24 " 2.142 9 Jan 76

1.771

10.19 5 Jan 77

7.77 -325 927 -431 12 " 2.148 10 "

7.74

10.22 13 Jan 76

7.76 -323 935 -446 12 " 2.145

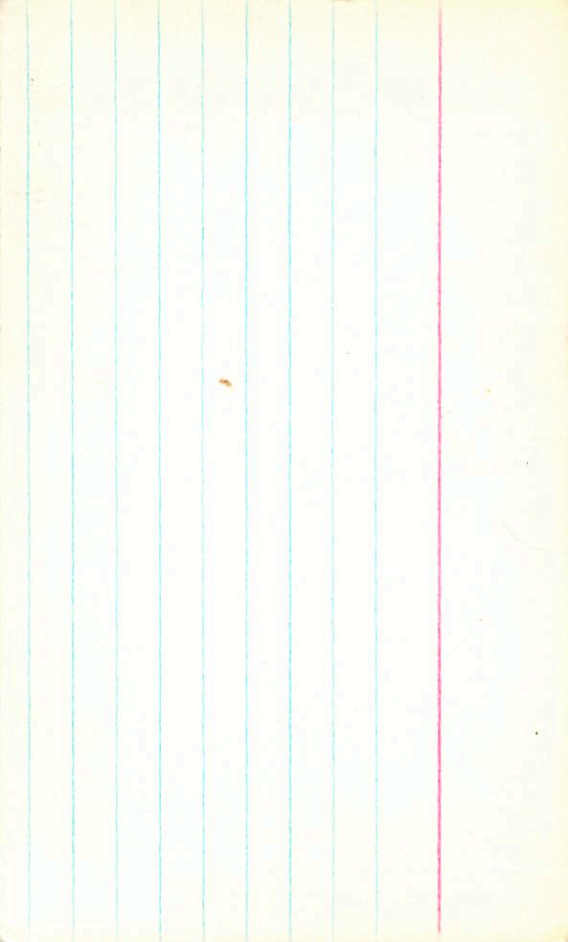
7.64

10.19 27 " "

7.76 -322 925 -436 12 " 2.145

7.64

10.19 5 Jan 77



2+2

VBSS ✓ 4 30 20 +10 52 225 +54

780 - 354 885 - 445 2.147 1 1/2 80
728 - 340 888 - 441 2.140 16
579 - 347 886 - 443 2.144

2+8

VB52 ✓

4

23

15

+10

50.5

50.4-0.86

283-322

206

504-475

2.134/19 Jan 50

280-284

868

504-475

2.127/16

2.130

282-313

906

504-475

2.130

2.130

VB10 4 05 06 +15 36.5 2.85 +59

$\begin{array}{r} 7.84 \\ -325 \\ \hline 7.515 \end{array}$
 $\begin{array}{r} 897 \\ -451 \\ \hline 446 \end{array}$
2.129 - 14 Jan 80

$\begin{array}{r} 7.84 \\ -324 \\ \hline 7.516 \end{array}$
 $\begin{array}{r} 889 \\ -456 \\ \hline 433 \end{array}$
2.143 9 Jan 79

$\begin{array}{r} 7.85 \\ -332 \\ \hline 7.518 \end{array}$
 $\begin{array}{r} 910 \\ -482 \\ \hline 428 \end{array}$
2.143 8 Jan 79

$\begin{array}{r} 7.86 \\ -327 \\ \hline 7.533 \end{array}$
 $\begin{array}{r} 897 \\ -455 \\ \hline 442 \end{array}$
2.138

370 173 110 2.617

374

2.606 +

7.6 + 10.173 19.879

7.6 + 10.168 20 "

7.6 + 10.170

VB39 4 21 35 +16 41 286 +65

27685

286 -254 940 -423 2.130 9.12.29

285 -303 947 -464 2.127 8"

286 -254 944 =971 2.128

410 210 434 2.600

336 256

759 +0.205 Km 29

759 +0.205 20"

759 +0.205 ②

248

✓R73 ✓ 4 27 35 +17 145 258 +61

788 - 312 898 - 454 2.124 14680
788 - 317 899 - 455 2.128 1611
788 - 314 897 - 456 2.126

2+3

VB106 ✓ 4 37 50 414 04 256+67

754 300 923

-444

2,119

14 Jan 80

754 297 916

-444

2,118

14 Jan 80

754 297 920

-444

2,118

14 Jan 80

VB15

4

13

20

+12

5.5

806-6.4

8.03 301 903 -445 2.136 90279

8.02 315 926 -456 2.141 90279

8.02 304 915 -480 2.138

400 187 460 2612 228

300 340

2.80

279

228

10.186 20027

10.196 90279

10.191

VBL3 4 25 15 +16 45 8.06 +63

8.01 -306 914 -460

2.138 11 Dec 74

24

2.139 6 Dec 79

8.03 -307 914 -464

2.133 9 Dec 74

8.05 -319 ~~800~~ -444

23 Oct 76

8.04 -310 925 -458

28 Oct 76

8.08 -296 895 -463

24 Oct 76

8.07 -291 883 -448

2.133 8 Dec 74

8.05 -308 905 -460
398 178 444 2.1610

2.138 (5)

VBCZ

(H)✓

VA389

4 24 40 +16 47 806+63

123

850
~~850~~

1410

805 -319
808 -296
804 -310

-449 23 Oct 76
-463 24 " "
-458 25
-470

2.139 6 Oct 79

20 Oct 79
7.77 10.20 29
7.77 10.20 14 Oct

8.05-310 905: -470

7.85 10.21 25 Oct 76
2.80 10.20 9 Oct 76

348 179 439 1546

1064 4 25 30 +16 39 812 +655

809 -256 936 -423 2.134 10 Dec 79
810 -259 941 -457 2.134 11 Dec 79
810 -258 938 -464 2.134

285 +0208 19 Dec 79
286 +0190 20 " "
286 +0195 21

45000000

RB49

2+3

✓ 4

23

00

+16

20

8.24+0.58

4160584

8.21-335 921-445 2.742 21.4180

8.22-338 911-460 2.141 28⁴

8.22-336 916-452 2.142

VB 22
VA108



4 16 26 +16 54

8.34 + 0.77

467
246

251
984

508

PI over

8.30 -246 977 -514 82179 01:10
8.36 -233 994 -487 232007560"
8.33 -262 1005 -518 24"

9.40 -234 961 -490 3 dec 78

9.33 -253 985 -502 14 Jan 78

8.32 -241 994 -532 29 Jan 74 01:40

8.31 -245 980 -498 30 Jan 74 01:30

8.32 -248 991 -513 12 Feb 79 01:35

8.32 -245 972 -500 22 Jan 79
8.30 -256 982 -500 82179 01:05

8.07 to 10.263. 74425
8.07 to 10.264. 42179

VB27

(28) ✓

(+24)

VA156

4 17 23 +17

27 546 + 732

234

258

945

-283

974

-485

23 Oct 76

949

-272

981

-495

24 "

845

-279

988

-475

24

946

-278

981

-486

24

(2.583)

2.114

2.111 25

2.117 24 Oct 78

8.23 + 0.24 250.76

846 432 248422 1746

$$VB17 \quad 4 \quad 13 \quad 16 \quad +14 \quad \checkmark \quad (23) \quad \checkmark \quad 8.46 \quad +70$$

gnd

$$8.49 - 272 - 937 - 465 \quad 14 \text{ Jan } 80 \quad (3) \quad \text{see}$$

$$8.46 - 274 - 935 - 480 \quad 8 \text{ Dec } 79$$

$$8.46 - 274 - 935 - 456 \quad 10 \text{ Dec}$$

$$8.46 - 275 - 938 - 467 \quad (3)$$

$$\begin{array}{r} 2.105 \quad 24 \text{ Dec } 80 \\ 2.109 \quad 25 \\ \hline 2.107 \end{array}$$

2.11.5

$$2.578$$

$$8.19$$

$$+0.227 \quad 14 \text{ Jan } 79$$

$$8.17$$

$$+0.21320$$

$$8.18$$

$$+0.220$$

VB 96 4 32 50 +15 04 8.51 +87

8.46 208 1059-516 104824

8.48 218 1050-494 11 " "

8.47 213 1054-506

8.10 10.276 14824

8.11 10.271 20 "

8.10 10.274

V10522 ✓ 4 31 50 +15 435 866 +77

867-281	963	453	16 Jan 80
865-249	971	-455	10 Aug 79
864-288	984	-460	" "
<u>866-255</u>	<u>978</u>	<u>-456</u>	

~~July~~

9.35
9.38
9.35

10.229 198.04
10.229 20.1
10.229
20.5

VA587

04 29 17 +32 +15 42 893

(182)

8.94 -214 1038 -478 2320078 60"

8.92 -220 1049 -478 24 " "

8.91 -200 1034 -489 3220078

8.92 -212 1040 -481

+30

8.52 +10309 2220078

8.51 +10300 42179

+209

W+2R ✓

684

4

31

40

+15

58

8.54

8.54 -188 1066 -489 3850.00

8.52 -197 1072 -507 1950

8.54 -194 1065 -512 (3)

8.53 -193 1068 -504 (5)

321

464

8.52 +0.315 8.835

8.53 +0.305 8.835

8.52 +0.316 8.836



+33

1591

8.44 + 88

VH684

4 31 07

715 56.5

195

33

8.52 -195 1059-548 23 Oct 76

8.56 -188 1050-476 24 "

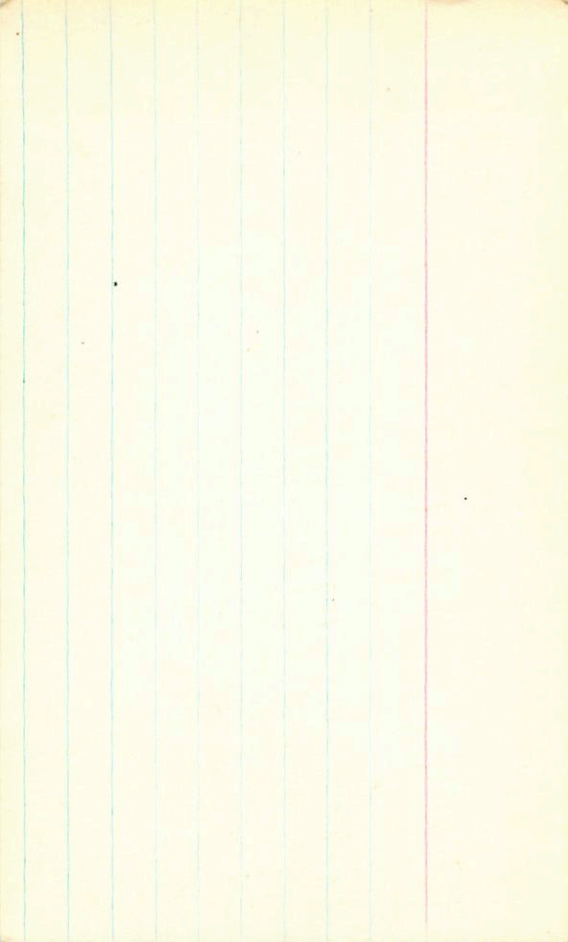
8.53 -199 1086-511 25 (3)

9.54 -194 1065-512

8.59 +0.305 25 Oct 76

396

8.54 520 325 ~~2056~~ 2056



✓ + 20 R ✓

547 4 28 25 + 17 51 5.9

8.45-236 1059-483 1 Jan 80

8.41-222 1045-481 (4)

8.43-230 1052-482 (5)

8.60 + 0.255 8 Jan 81

8.61 + 0.265 9 Jan 81

8.60 + 0.270

547

514

514

563 546542

VASA ✓

4 28 05 117 50 8.8

6091

100+2
B. 1.24

AD

2 1/2

8.91-2.17

+1036

-434

2620270

24m

945-231

+1111

-479

111111

896-212

+1045

-449

121111

828-228

+1055

-456

301111

~~881~~-222

+1045

-454

301111

184

307

-481

+31

VA472 4 26 50 +13 49 9.02

VBCT

131 232

9.04 -217 1034 -457 23 Nov 78 60"

9.02 -226 1063 -487 24

9.00 -263 1034 -~~488~~ 3 Dec 78 30"

9.02 -215 1043 -477

498 305

9.62 +0.315 28 Nov 78

9.66 +0.295 2 Dec 78

9.64 +0.289 4 Dec 79

9.64

363

4 24 30

+17 58

202

 $\sqrt{+2R}$ ✓

X



9.01 -185 1143 -513 1 Jan 81 60"

9.06 -183 1144 -495 24 Oct 76

9.00 -173 1144 -531 28 Oct 76

9.01 -183 1145 (-575) 23 Oct 76

9.02 -181 1145 -513 (4)

8.56 +0.315 9 Jan 81
 8.59 +0.303 8 Jan 81

 8.58 +0.309

204

VH363	4	24	02	417	57	9.01 + 94
-------	---	----	----	-----	----	-----------

$$\begin{array}{r}
 9.01 \quad -193 \quad 1145 \quad -575 \quad 230 \text{ Oct } 76 \\
 9.06 \quad -183 \quad 1144 \quad -495 \quad 24 \text{ " " } \\
 9.00 \quad -173 \quad 1144 \quad -531 \quad 24 \\
 \hline
 9.02 \quad -190 \quad 1146 \quad -533 \quad 863 +
 \end{array}$$
$$\frac{1}{h^2}$$

24

4354 mm

$$863 + 0.3 \text{ ps} \quad (3)$$

9.02r 535 399 374 2225
355

355

2 + 205

VB46 $\sqrt{\sqrt{4}}$ 22 20 +14 37.5 9.11 +867

See Duffin

9.14	200	1063	-479	14 Jan 80	
9.10	200	1039	-486	16 Jan 80	289
9.12	204	1061	-483		231

R

M

8.42	+0.289	12178
8.77	+0.224	24 Jan 80
8.76	+0.268	2500
8.76	+0.271	

✓ VB174 +140644

VA459 4 26 22 +14 22 9.5

9.46 -177 +1139 -441 12 Dec 75

9.46 -161 +1140 -447 11 Dec 75

9.46 -165 +1132 -430 29 Nov 75 9.12

9.46 -164 +1137 -440 9.13

-460 9.13

346

9.13

9.13 325

34

+0.34 24 Nov 75

+0.31 26 Nov 75

+0.31 30 Nov 75

+0.31

+0.34 49 Jan

✓ 720 ✓

33 20 +15 47.5 9.7

9.64 181 1135 -454 3 70 60"

9.70 -185 1127 -500 (3)

9.67 183 1132 -457 (4)

928 +0.2898 9.7

928 +0.300 9.7

928 +0.295



-0.31

VA747 4# 32.9 +15 46 9.64 +0.91

00143 0657
+15

255

9.64 -191 1121 -504 28 Oct 76
9.74 -185 1126 -474 24 " "
9.67 -179 1135 -505 29 "
9.70 -185 1127 -500

9.70 530 382 408 2210 9.30 +0.31 (5)

110558

04 06 35 +16 28

(X) (X)

R= 9.93 +1.01 +0.37 340

(42179) 9.38 +0.340 9.45 +0.349 52679

9.92 -147 1251 -544 31179 7
9.92 -142 1235 -524 2179 9.40 +0.342
9.92 -143 1243 -534 0.050

✓ + 2 RV ✓

VA 135

4 17 10 +17 22.5 9.93

10.02 -90 1303 -565 19 Jan 80

9.93 -86 1320 -554 (4)

9.97 -88 1312 -560 (5)

9.38 +0.422 8 Jan 81

9.41 +0.414 9

9.40 +0.433

P-I 4375

✓ 739mm

VA310 4 22 49 417 565 10.0

VR174

24

24" + 38 MP

9.55 -089 +12626-535

9.56 + 36 21922

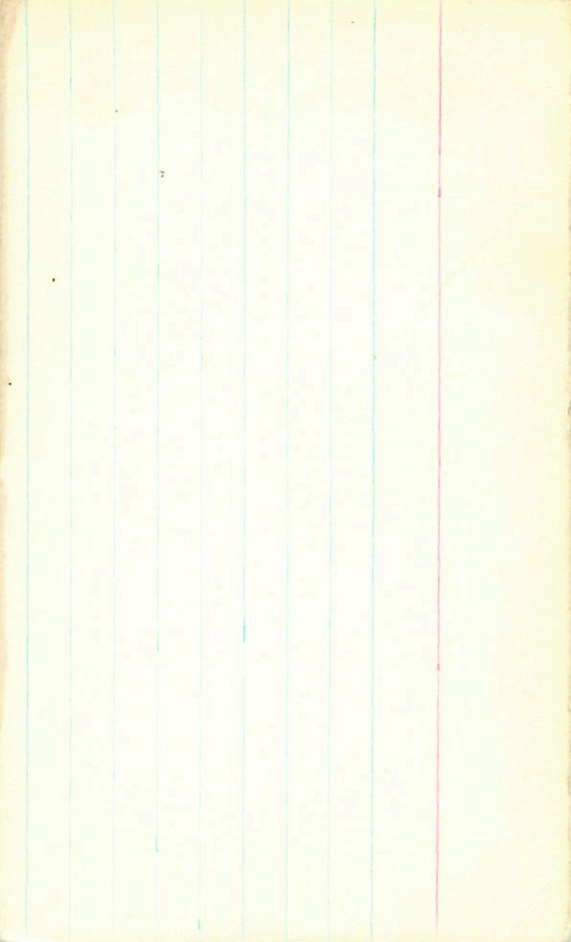
9.56 -106 +1264 -485

9.55 -116 +1271 -464

9.98 -117 +1267 -476

9.94 -113 +1266 -485

-489



VA135	4	16	55	+17	21.5	10.0
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243	171	133	747
-----	-----	-----	-----

9.96	-0.91	+13.58	-4.77	30.4275	
9.97	-0.76	+13.02	-5.46	11.4275	9.43
9.98	-0.92	+12.95	-5.32	12.4275	9.45
9.99	-0.94	+13.26	-5.55	4.9275	9.44
9.93	-0.96	+13.20	-5.44	(4)	9.40
				130.4110	9.32
				-5.59	

-079

265 1995 157

+12⁰623 ✓✓ 4 38 40 +12 41.5

1R ✓

10.04 +1.08 R-5
+40

10.00 -113 1303 -564 28 Jan 79
10.00 -122 1314 -560 30 Jan 79
10.00 -118 1308 -564

9.43 +0.370 42879
9.45 +0.362 81 Jan 81
9.44 +0.366

+110° 558

04 23 50

+116. 56

(V A342) ✓ ✓

R-B

10.28 +103 +38

V03776

10.30 -137 1266 -550 1 Jan 81

10.24 -136 1264 -548 30 Jan 79

10.218 -132 1250 -500 2479

10.27 -135 1260 -549 (3)

9.74 +0.340 42679

9.82 +0.382 7222

9.77 +0.344 8 Jan 81

9.76 +0.342

12-I-15
 VASR 04 25 12 +14 12 10.32

10.33	-70	1248	-559	23 Nov 78	60"
10.30	-71	1246	-564	24 "	
<u>10.32</u>	-70	<u>1247</u>	<u>-562</u>		
650		492	344		

4 1/2 min
 +0.45 2 approx
 9.71 +0.436 7 Nov 78
 9.68 +0.425 4 Nov 79
9.70
 9.80 +0.438 (3) 19 Nov 72