2277 06 20 05 +17 47 6.31 g 69

√√ R R

6.30 -68 1311 -752 30 dec 77
6.31 -78 1321 -761 31 "
6.30 -73 1316 -756

647

5.43 +0.323 32/83
5.55 +0.336 5 dec 77
5.43 +0.322 4 jan 78
5.44 +325 (3)

335

(R) (V)

2275 06 17 20 -53 44 6.40 +1.46

6.37 +152 +157 (1)

RR

(X)

6.41 +173 1434 -526 26 Hits

6.40 +170 1462 -543 27 Runs

6.41 +156 1475 -576 25 "

6.40 +156 1461 -560 17 Runs

6.40 +164 1466 -564

5.60 +537 2 Runs

5.56 +575 2 Runs

(5.70) +565 13 " "

5.55 +535 4 Runs

5.56 +564 (3)

44362 → G2I6 FS II

2281 06 18 15 −30 21 2.03 +0.53

RR

495 294 632

2.03 −232 1032 −292 19 mm 55

2.04 −215 1036 −293 27 Hail 77

2.05 −220 1024 −23 29 "

2.04 −227 1034 −288

495 294 632

44~ 2.136 39 mm 50

2.151 30 "

2.144 ②

2B X X

2.053

1954

6.54 +0.257 2 mm 25

6.41 +0.260 4 "

6.60 +258

2296 06 21 15 -33 25 3.84 +0.87

4476

3.86 -190 1026 -417 26 Dec 77
3.86 -185 1030 -427 27 "
3.86 -184 1028 -422

010

527 291 458
383

3.7
+0.45

216 449
345
+018

By +046

3 51 31 Dec
325 13 Jan

2283 06 15 30 -71 42 6.63 +0.56

VRR

6.63 -346 871 -484 25 Ln 37
6.62 -345 883 -497 26 " "
Tab 2 -346 877 -490

361 15r

6.36 +0.189 5 Ln 71
Ln 40 +189 17 Mon 25
Tab 35 +189

0.54

Ln 1 364 154 335 60

RI Sho 6.35 +185 Stubs 6.62+66+185 (3)

2290 44594 6 19 28 -48 43

(4) 664 -303 933 -457 2153 26245
665 -288 945 -439 13mm76
660 -307 921 -432 10 " 77
661 -305 924 -441 9 "
662 -305 931 -442 (5) 2153 (4)

6.35 +0.19 (1) Stubs
6.38 +0.20 13mm77
6.36 +0.195 (2)

~~(2) (3)~~

661 403 220 365 26105 (5)

6.39 +1.06 +0.84 (1)

2302 ✓ 06 23 35 +16 05 6.24 GG III

✓ R

6.34 -88 1201 -432 6 Jun 83

6.35 -88 1188 -435 30 Nov 77

6.35 -85 1161 -463 31 Nov 77

6.35 -87 1193 -433 (3)

5.90 +0.40 2 Oct Hyp

5.57 +0.354 5 Nov 77

5.55 +0.348 3? ? 83

5.56 +0.351 (2)

(1) (2) 1 + R

2305 06 23 05 −11 31 5.21+124

√ R

5.22+1235+121 (2)

5.22 +17 1314 −469 26 Jan 77
5.22 +21 1315 −468 27 "
5.22 +19 1314 −468

4.53 +0.45 18th
4.67 +0.47 25th
4.44 +0.425 3 Jan 78
4.68 +0.425 22 Jan 80
4.66 +0.425

(113) R

2307 06 22 25 -31 46 6.34 +0.59

√√ RR

6.33 +0.50 +0.565 (1)

6.36 -123 1062 -462 26 Feb 75
6.33 -171 1055 -454 26 Dec 77
6.34 -126 1064 -447 27 "
6.34 -123 1060 -454 (3)

(X)

5.55 +1290 2 Jun 75
5.52 +1291 4 " "
5.50 +1290

45067

92

2313 786 24 00 -00 +5 5.86 +56

5.89 -371 888 -426 10 דקות

5.89 -361 889 -435 5 דקות

5.87 -334 859 -415 6 "

5.85 -352 892 -416 9 דקות

5.88 -354 886 -423 (4)

6.74 ✓ +0.145 12 דקות

5.70 +0.19 24 שעות

5.66 +0.225 5 דקות

5.74 +0.20512 דקות

5.93 +0.20 (3)

350 150 [illegible] 1454

5.88 345 163 475 1447 (0.185-)

373 135 496 1461

146 146 395 2184 cm

J316A 06 23 15 -36 41 5.61 +1.03

✓ RR

5.63 +1.055 +0.12 (1)

5.63 -108 1148 -434 26 Rm 77

5.64 -105 1151 -432 27"

5.64 -106 1150 -433

5.15 +1.324 2 Jan 15

5.27 +0.333 (5 Mar 15

5.20 +0.328

2317 06 24 40 −03 52 6.36 +162

√ RR

6.35 −99 1193 −544 26 Jan 85
6.34 −93 1168 −512 26 Jan 85
6.34 −102 1169 −504 27 Jan 85
633 −107 1197 −521 17 Mar 85
634 −100 1177 −520

• 5.52 +03263 Jan 25
5.52 +03234 Jan 25
5.52 +324

45184

2315 6 23 45 -28 46 6.2460

4.36 -321 931 - 506 2.134 6 Jan 73
6.41 -317 914 -475 2 Jan 77
6.40 -293 887 -463 6 " "
6.38 -319 925 -495 2.134 (2)

6.40 404 173 441 1448 (5)

6.11 +0.195 24 Jan 76
6.07 +0.2153 Jan 77
6.09 +0.205 (2)

7 1P

6.37 344 207 335 2.597 60
2.410 (1)

2322 06 23 05 -52 10 5.47 +1.03

V/RR

5.96 +105 +0.83 (1)

5.47 -85 1141 -428 27 Dec 22
5.48 -48 1159 -439 24 "
5.48 -52 1150 -434

607

5.41 +331 3 Jan 23
5.50 +343 1 Mar 23
5.45 +337

2339 06 24 40 -35 02 6.24+136

6.27	+99	1500	-512	26 Hrs
6.24	+90	1505	-528	26 Jan 77
6.25	+64	1518	-537	27 "
6.25	+94	1508	-527	(3)

5.64	+0.445	22 Jan 80
5.62	+0.436	23
5.63	+0.440	(2)

RR

107.45

2334 ✓ ✓ 06 26 05 +00 19 5.19 +1.18

4774114

R

5.20 -4 1324 -566 20 Jan 77

5.21 -11 1301 -574 31 "

5.20 -8 1328 -570 4.66 +0.395 (35th)

4.75 +0.368 4 Jan 78

3154

[7.04 +0.349] 4 Apr 81

337 716 567 336

11 743 143 340 346

R ✓ 337

[7.04] +389 Lorraine

4.74 +380

4.75

2233 06 26 10 +02 56 5.54+1.04

VV

R 5.55 -94 1160 -420 30 Jan 77

5.56 -107 1175 -425 31 "

5.56 =100 1168 =422

5.07 +0.36 27 Jan 72

5.06 +0.31 31 Jan 72

5.1 +0.344 Jan 76

(R) (V) R.V 5.10 +315

5.14 +315

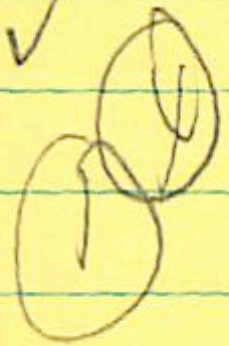
5.12 +315 → 325

2.45 +0.315 14 Apr 81

2.52 +0.370 17 Jan 83

10245

2335 06 26 05 −00 15 5.54 +1.28



5.53 +114 1492 −533 6 Jan 83
5.54 +114 1455 −531 31 Jan 77
5.54 +106 1474 −544 31 Jan 77
5.54 +110 1487 −538 (3)

1134 RR

4.92 +0.457 22 Jan 80
4.87 +0.462 23 "
4.90 +0.460

Apgales ?? Giant — (1) (X) 6.24 +0.885 +0.55 2-555 –

2340 +5506 6.27 ?? +16 1 6.22 GS

6.24 -198 1097 -448 19 Jan 82
6.26 -184 1083 -445 31 Jan 82 ←

6.22 -170 1057 -450 6 Jan 77

6.22 -159 1056 -433 26 Jan 76

6.22 -155 1053 -467 25 " "

6.22 -161 1055 -450 (3)

5.72 207
8.07 +0.350 12 Jan 82
7.23 +0.328 20 Jan 82

5.81 +0.315 26 Jan 72
5.85 +0.3 28 Jan 72
5.89 +0.325 25 Jan
5.92 +0.345 27 Jan 76
5.97 +0.305 24 "
5.95 +0.305 3 Jan 77
5.98 +0.345 (3)

5.87

(X) 6.22 +555 316 460 2164 (3)

+1 R ← (X)

HD2340

5.72 367
450

6.34 -184 1647 -448 19 Mar

6.26 -180 1614 -440 18 Dec

6.26 -184 1613 -445 21 Jun 8

~~6.25 -183 1688 -445~~ (2)

6.22 -181 1613 -450 (3) 19 Jul 7

532 341 466

2342 OL 27 OD +10 20 6.12 H0

✓✓ R Imp

6.16 -22 1324 504 6.16 +1.175 +1.135 @ 25 Nov 74

6.16 -31 1324 -475 1 Jan 75

6.15 -35 1341 -508 3 Dec 74

~~6.16 -30 1330 -506~~ 5.72 +0.372 4 Jan 75

5.69 +0.38 9 Jan 74

5.59 +0.41 13 Jan 74

~~5.70 +0.76~~

2346 06 26 15 -25 5-0 6.06 454

RR

6.06 -370 887 -450 26 Mar 77
6.06 -366 882 -443 27 1
6.06 -368 884 -446

2.624
6.06 389 180 386

5.87 +0.1743 Jan 78
5.87 +0.1674 " "
5.87 +170 (2)

2354 06 24 15 -63 25 6.45 +0.66

√ RR

6.46 -302 927 -434 27 Dec 77
6.46 -304 924 -447 24 "
6.46 -303 928 -440
406

6.26 +0.192 1 Dec 88
6.15 +182 4 Jan 75
6.19 +212 8 Jan 75
6.20 +0.195 (3)

RR

5.76 +1.14 +0.54 (1)

2359 06 27 35′ −17 27 5.76 +1.12

√√ R

27 Dec 77

5.77 −52 1158 −442 26 Dec 77

5.77 −47 1154 −443 (5.21 +0.44 13 Jun 74)

5.77 −50 1157 −442 5.18 +0.41 5 2/74

(R) (1) 7.63 +0.446 (7/) 385 384 5.24 +0.401 3 Jan 75

[7.58 +0.381] 19 Apr 77 R √ 5.21 +0.406 (2)

5.25 386

5.25 383 → 406

6.07 +1.135 +1.05 (1)

2366 06 24 50 +16 5-8 6-06 N2 II

9.25"

RR

6.17 -48 1276 -502 3 Jan 78 Small cluster?

6.18 -46 1281 -501 1 Jan 78

~~6.18 -47 1278 -502~~

5.77 +0.363 4 Jan 78

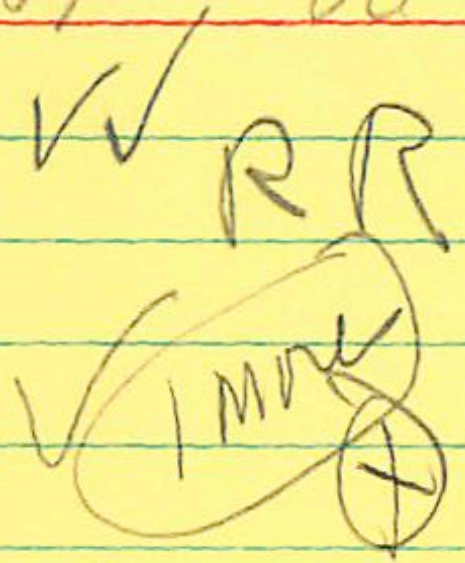
5.78 +0.363 6 Jan 78

5.72 +0.36 9 Mar 74

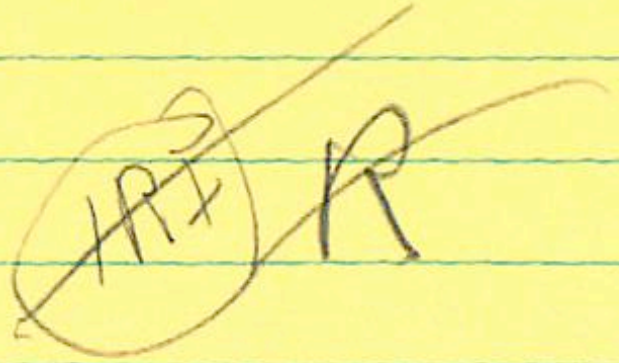
5.45 +0.40 13 Mar 74

5.76 +0.362 (2)

2267 06 25 10 −10 04 5.52 +1.38



5.90 +116 1384 −546 Jan 25 24
5.52 +127 1355 −526 27 Dec 74
5.52 +124 1352 −~~555~~ 26 Jan 77
5.53 +125 1365 −591 27 4
5.52 +123 1367 −584 (3)
5.18 +0.52 5 Jan 74
5.17 +0.525 13 Sept 73
5.24 +0.465 3 Jan 74
5.20 +0.472 27 Jan 74
5.24 +0.471 22 Jan 80
5.27 +0.471 (3)



2364 DC 26 40 -57 59 5.81 +1.25

√√

5.93 +1.24 +136 (2)

R 5.82 +37 1383 -466 24 Jan 81 (86)

5.84 +45 1385 -471 27 Jan 77

5.84 +42 1375 (-448) 29 "

5.83 +44 1381 -468

116
89

1 more (1)

5.17 +0.46 7 Jan 74

5.22 +0.425 8 Jan 74

5.16 +0.418 7 Jan 78

5.20 +0.420 (2)

2377 E 059 06 25 40 -69 41 5.38 +0.96

VR

5.89 -125 1079 -440 27 Jan 77

5.40 -136 1088 -430 29"

5.40 -130 1084 -438

588 343 472

5.24 +0.39 12 Feb

4.90 +0.326 1 Jan 78

4.98 +0.320 23 Jan 80

4.89 +0.355 24 Jan 77

4.89 +0.37 27 Jan 77

340

4.55 +0.322 30

4.90 +0.326 1 Jan 78

4.89 +0.340 2

323

2375 06 31 00 +11 42 6.02 MOII

10m 33" Off

RR 6.07 -88 1245 -537 31Dec77

345 6.08 -75 1282 -525 1Jan78

344 6.04 -81 1288 -531 1.5 1.43

345

5.20 +0.345 4Jan78

5.61 +0.335 9Mar74

5.73 +0.228 8Jan77

5.47 +0.335 13Mar74

5.68 +336 (4)

[5.00 +374] 17Jan13

345

5.64 +333

5.23 +328

5.70 +370

5.70 380 (1)

5.64 335 (2)

5.48 +332 (3)

5.18 +1.27 +1.40 (3)

~~#6~~ 06 30 20 -12 22 5.15 +1.27

2379

✓✓ R

13m 15"

5.16 +42 1412 -505 26 Jan 77 Ulee

5.16 +42 1410 -452 27 "

5.16 +42 1411 -458

4.61 +0.415 3 Jun 75

968 643

4.47 +0.445 5 Feb 74

342

4.48 +0.465 13 Mar 74

(4RI) (X) [4.50 +0.387] 19 Apr 81

~~4.52 +0.427~~

457 342) -401
444 411

23 81 06 30 45 −08 08 5.42 +1.35

✓ R

5.44 +101 1439 −5.53 2 26 Mar 77
5.44 +112 1438 −5.54 27 "
5.44 +106 1438 −5.43
−5.43 4.84 +0.444 3 Jan 75
−5.43 4.67 +0.48 5 Apr 74
4.75 +0.48 8 Mar 74
4.76 +0.460

R ✓ 4.27

(B) (X) R

[2.15 +0.498] 1.7483
[2.13 +0.422] 15 Apr 81

4.80 4.27 4.47
4.80 4.27 4.47
~~4.84 4.44 4.44~~
4.81 4.33

2252 06 31 05 +04 53 5.84 +0.79

√ R

5.86 -119 1134 -4 +53 1 Jan 75

5.86 -117 1138 -448 1 Jan 75

586 -118 1136 -45

5.42 +0.33 26 Jan 75

[3.49 +0.27 4 Jan 75

5.45 +1328

5.46 +0.3 18

[7.74 +0.310 16 April

5.46 315

32

2388. 06 30 25 -35 14 5.82 +0.82

W/RR

5.84 -216 1024 -344 26 Apr 77
5.83 -217 1032 -345 27 "
5.84 -214 1030 -346

5.50 266
[7.84 +0.26] 14 Apr 81
5.44 +0.276 4 Jan 75
5.52 +0.301 15 May 75
5.48 +0.281 ②

R ✓

2389 06 29 05 -56 50 5.21 +1.09

RR

5.20 -74 1185 -426 24 21 81 80

5.21 -62 1172 -427 27 Ka 77

5.20 -42 1180 -423 24"

5.20 -68 1178 -425 (3)

669

Inv (X)

4.71 +389 17 Ma 75

4.70 +1394 18"

4.70 +393

2390 06 30 15 -40 5-4 6.16 +1.40

6.20 +1.42 +1.60 (3)

R 6.14 +113 1471 -523 25 Blue 77
6.18 +119 1483 -541 24 "
6.18 +116 1479 -532

5.55 +0.464 22 Jan 5 0
5.43 +0.462 2 Jan 5 4
5.50 +0.466 (2) (IRL)

R

5.43 +0.462 2 Jan 5
5.42 +0.[illegible]112 mm 74
(5.48 +0.535 16 mm 74)

2341 06 32 15 +14 10 S42 GR2

√R

556+1105+0.97 (1)

5.57 -66 1255 -467 31 Jan 77
5.56 -55 1249 -459 1 Jan 75
5.56 -60 1252 -463

5.09 +0.39 (2) Stirling

5.15 +0.357 4 Jan 75
5.12 +0.351 22 Jan 80
5.14 +0.354 (2)

(RT) R

2852 06 31 45 -11 09 6.38 Rep

VV RR

6.24 -57 1311 -950 26 Jan 77
6.28 -56 1322 -946
6.28 -56 1316 5.87 -958
+0310 3 Jan 75

Bar II
//

5.56 +0303 2 Jan 75
5.81 +0.34 20 Jan 72
5.87 +0.3255
5.86 +0.313

556 -065
(591) 227

665 556 -065

2344 04 3135 -37 40 525 +0.48

√RR 5.24 +100 +0.45 (1)

5.26 -131 1112 -475 26 Nov 77

525 -125 1105 -435 27 "

~~5.25 -124 1108 -440~~ 4.86 +0.365 (2) Stokes

550 364 470 4.80 +0.328 4 Jan 78

4.83 +0.387 20 Aug 79

0.345

JOIC

2400 06 30 45 -51 48 5.54 +0.54

RR

5.59 -362 881 -384 27 Jan 77
5.60 -370 881 -378 24 "
5.60 -376 881 -381

329

338 182 460
5.58 341 176 437
143 534

5.35 +0.168 8 Jan 75
5.40 +0.182 18 Mar "
5.34

2403 06 32 25 -20 54 6.40 +0.83

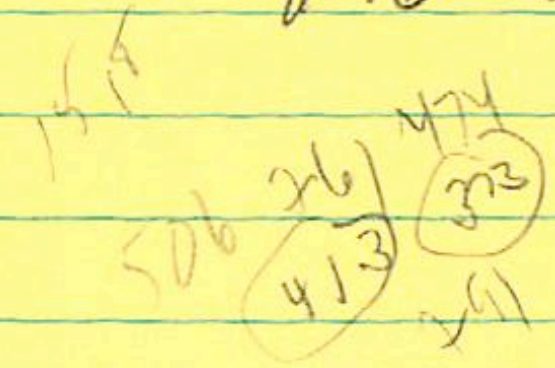
6.42 +0.82 +0.42 (1)

RR

6.42 -211 997 -438 27 Jan 77

6.38 -206 994 -433 30 "

6.40 -208 996 -436



6.03 +0.287 Jan 75

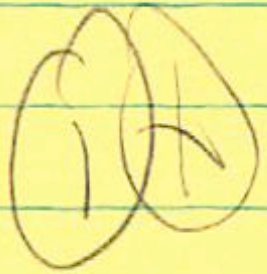
6.04 +0.278 "

6.04 +0.283

2407 06 32 25 -38 36 6.44 +1.00

VRR

6.44 -117 1150 -474 31 Jan 07
6.45 -123 1143 -461 30 Jan 07
6.44 -118 1124 -446 30
6.44 -120 1147 -467 ②
558



6.07 +0.328 15 Mar 07
6.03 +0.322 7 Mar 07
6.05 +326 -

2411 06 33 070 -36 12 5.41 +1.44

(105.42)

✓

5.42 +126 1527 -5 23 29 Jun 77
5.40 +126 1518 -5 07 30 "
5.41 +126 1522 -515

(1RI) R R

4.75 +0.483 22 Jun 80
4.75 +0.471 23
4.75 +0.477 (2)
484

2416 06 32 55 -52 18 6.18 +1.10

√ RR

(X)

6.22 -67 1182 -458 26 +885
6.22 -78 1164 -430 29 Mar 27
6.19 -72 1162 -452 30"
6.21 -73 1169 ~~-461~~ -456 (B)
64

5.71 +857 17 Mar 27
5.70 +869 18"
5.70 +863

2426 06 36 20 +10 52 6.46 120

✓ ✓ 6.38 +43 1427 −447 31 Jan 83 5.64 458

6.39 (+21) 1430 −464 11 Feb 78 40

6.38 +46 1421 −454 1 Jan 79 [8.07 +515] 17 Jan 83

6.34 +94 1426 −456 56 (3)

5.73 +0.474 22 Jan 80

1R/11 → (R) (V)

5.70 +0.459 23

5.71 +50

5.72 +0.465 (2)

1RI RR

5.74 +495

468

5.70 +455 12 Mar 74

5.72 +458

5.70 +449

5.71 +459 (2) → 458

2429 06 35 40 -19.13 3.55 +1.06

3.58 -86 1265 -509 29 lbs 7 oz
3.58 -84 1278 -526 30 oz
3.54 -78 1272 -518

3.53 3.54 hour
3.43 lbs