

2821 ✓ 07 24 20 +27 51 380 40.99

3.73 - 92 1166 - 460 312475 24ⁿ

3.74 - 89 1182 - 480 211
3.84 86 1174 - 470

282 253 2A

✓ 2822 ✓ 07 22 35 -27 47 5.13 112

RR

536+206 1522 -490 1970017840⁴

537+205 1521 5024 26.00 26.00

536+206 1524 -491

940

459 +589 171075

457 +6583 162078

4.58
4.58

2828 ✓ 07 24 25 +09 19 504 469 +101
0655

5725

501 -101 1131 -494 8Am 24'

501 -94 1133 -522 2 " "

501 -98 1132 -508 ②

1163
621 386 400

572 226 240 4
m_v = -0.1

tab 576 491

516 2071
BM, 1.7

458 +335 2A

460 +335 Corrin.

337

G-378

2220 + 50
1150 + 0506

2823 ✓ 07 24 86 -05 440 5.97 +0.93
 5852 6.00 -167 1053 -362.154 21R
 5.57 -167 1169 -352 242079 36"

R R 5.57 -148 1083 -350 17 Apr 78

(16) 6.00 -140 1047 -351 15 Apr 78 16"

6.01 -170 1108 -373 272-180 40"

6.01 -172 1102 -313 25" " " 25 Apr 80
 5.13 +0.276 22 Apr 80

6.00 -166 1102 -374 195.61 +0.250 23 Jun 80
 1102 8.75 +0.300 15 Nov 85

1512 2.151
 5.69 +0.297 16"

2.151 141R
 5.72 +0.298

2.152 161R 36"



286

1313 1009

1313

6-

000

1900 0138 0001

1900 0138

1900 0138 0001 1900 0138

1900

1900 0138

1900

27
8.V7 2834A

7 24 00 -31 4/6

68 II
5.4

using

(X)

(PIB)

→

215 180000

60000
6800

2121
2142

0

1.0
MS 7.7/8.2

See (B)

319
318

HP 2834 7 23 31 45 5-4 g 102
5.35 - 0.23 12.03 - 4.87 0.42 10.23
5.41 - 0.22 12.07 - 4.87 0.15 10.76

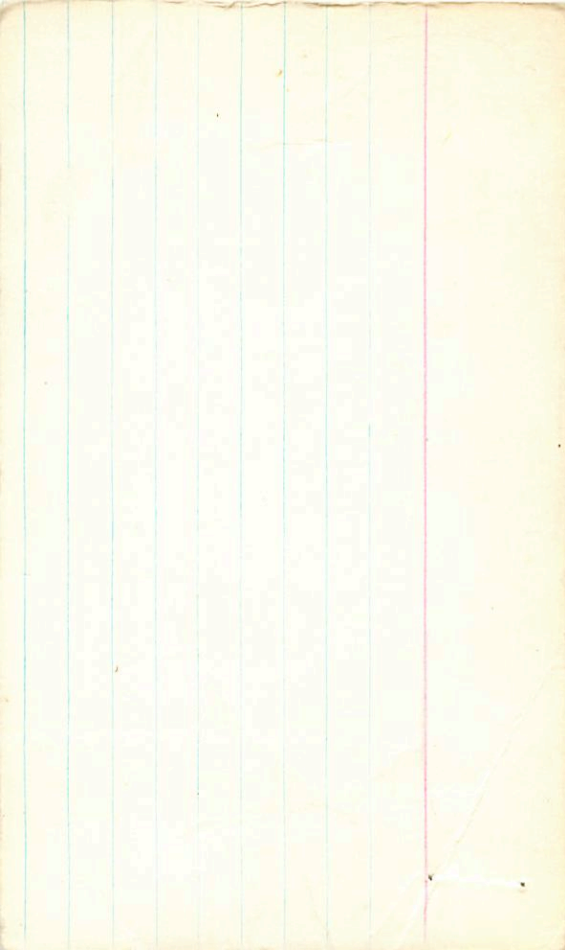
(HP) (PI)

5.37 - 59 1152 476 11.11
5.36 - 64 1156 476 31 Jan 12
5.35 - 57 1176 479 21 Apr 76
5.35 - 62 1193 467 22 "

~~5.35 - 62 1193 467 22 "~~

5.30 - 0.03 1195 - 472 7.26
11.13 6.40 3.02 7.22
4.89 + 0.19 3.26 7.22
R 40887 R I = 342
+ 0.314 17 Apr 76
+ 0.313 19 Apr 76
+ 0.314

319
+ 319



North 92934V ✓

①0 A Trinity 5.44 5102
3 m B+

2834R

7 23 31 31 45

7.62 -0.21 922 413 2.224 4243

7.62 -0.33 101 499 2.715

7.60 -0.23 1028 493 2.726 30 Jan 22

7.62 -0.51 101 497 2.721 19 Jan 23

7.60 -0.39 101 502 2.701 20

7.61 -0.44 101 499 2.716 (4)

[0.07] [5.02] [1.77]

Eq 0.24
V 0.7.5
-1.0
5.5

5.35 -0.23 1213 497 4243

5.41 -0.62 1207 473 15 Jan 76

5.37 -0.59 1192 464 18 Jan 74

5.39 -0.60 1200 = 468

$M_V = -1.0$

$15(1.4) = +0.02$
 $V_0 = 7.5$

2434 A 5.36-6/ 1195-485

132

660 435 423

324 291

331

408

119 2x95

488 40329

722 40314

233 + 105

489 40319

119 = 28

334
5.1.3

2854 ✓ / 07 26 55 + 8 59 404 + 143

5825 4.35 +157 1420 -565 30475
4.35 +156 1463 -572 211.
4.35 +156 1442 -574 ②

62610 down
558 down

h7E

2861 ✓ 07 28 25 ✓ 82 80 ✓ 1988
+101
III 234 442 N511

13th 14th 15th

42 32444 545 - 545 44475 24

505 27 1294 - 552 2
505 28 1281 - 545 2
505 29 1281 - 545 2

695 55 544
555 655 544
① 545 545 2
② 545 545 2
③ 545 545 2

454 + 3722A

2862 ✓ 07 25 45 -50 58 509+106

RR 5.08 -43 1189 -492 -242881 (36)

5.12 -82 1184 -490 152455 16"

5.07 -91 1194 -499 152481 36"

mmw (X) 5.09 -89 1189 -494 (3)

4.65 71326 122475
4.65 78801 187475
4.66 79330

2864 ✓ 07 28 30 +12 04 472 100 II

4.55 +58 1394-537 74428 24"

4.57 +58 1399-567 2

4.56 +58 1356-552 (2)

(45) 46 788 1570

354

+425 10.6.60

360

197

442 (8)

45

396

278
-46

2876 ✓ 07 29 45 -05 10 6.22+115
117 cc.9

6.25 0 1804 549 27475
SHTG 27475

6.26 +5 1278 3621 545- 885- 87m 78 36"
" 87m 78 36"

6.30 1- 1245 2621 545- 545 3
6.29 +1 2621 545- 545 3

576 +0.359 20/m 80

579 +385 13m 74

574 +0.360 23"

585 9 " 6 0ht 2is

(RRI)

(RR) 576 70.310 2

585 +395 12 " "

2477 ✓

07 30 30 +17 08 5.50 g m 2

5.44 -46 1292 -447 317 m 3
5.47 -32 1280 -454

5.46 (-7) (1248) -451 26 20070

5.47 -24 1269 (440) 3 20070 383

5.47 -35 1280 -451 (3)

701 510

(732 + 394) 0 20070

R

4.89 +37 12 20074

5.10 +382 15 20078

5.10 +0376 (2)

~~(A)~~
~~(B)~~
~~(C)~~
~~(D)~~
~~(E)~~

7.35 + 25 3 20070

[744 + 0433] 15 20070

4.94 376
5.06 368
4.94 350

more ✓ 39176

22" { 3.24 + 1.52

Δ Pup B D

28 28 40 15

1mm TR

8.81 + 0.71 + 0.16

313

332

R-I + 225

8.59 - 242^{14.3} 854 - 501 11 Apr 77

8.87 - 229 + 506 - 461 10 Mar 76

8.73 - 152 + 963 - 495 17 Mar 76

8.86 - 272 912 - 460 22 Mar 76

8.84 906 478 428

(221)

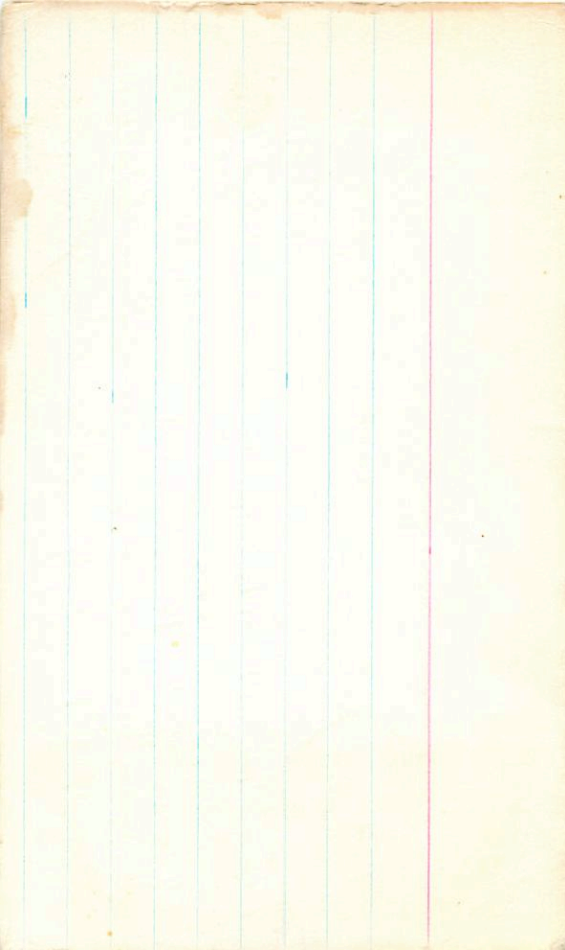
8.58 + 0.225

8.95 + 0.225

8.40 + 0.225

8.55 + 0.226

8.64 + 0.225 (3)



2878 ✓/07 28 30 -43 15 32471.50

3.23 +202 1522-464 ⊕ 15481 36"

3.26 +215 1509-484 17 Apr 24 16"

3.24 +187 1544-488 18

3.26 +202 1528-479 ⊕ 3

1 MW 1

+

July 1833, low
full

510 -

5 Prof 7 29 10 -40 19 3.24

1.36 - 0.45 = .91

2.26 + 0.63 3 Jan 71
2.34 + 0.635 15 Feb 69
2.32 + 0.64 (10265, 62)

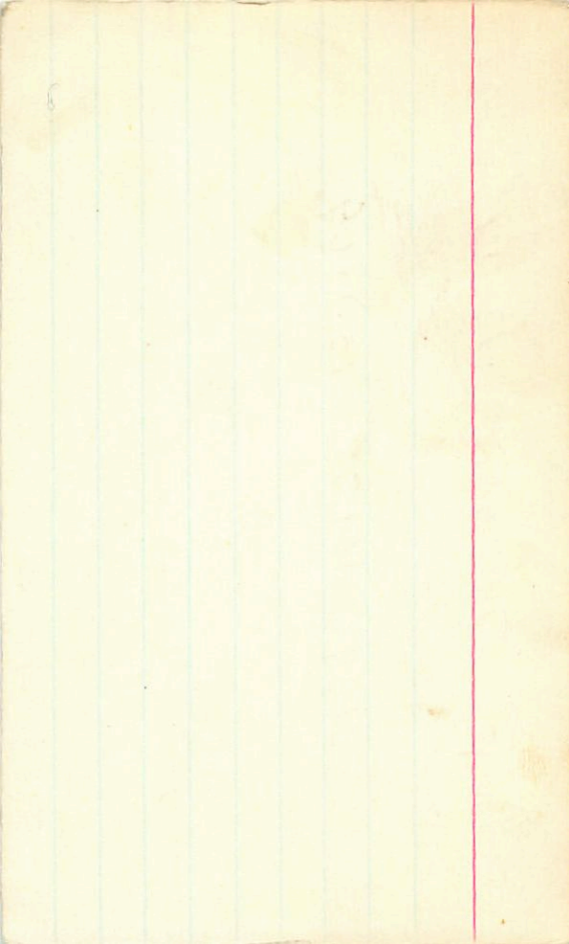
2.42
+ 0.64

2.33 + 0.64

1.95
565
1.10

3.90
3.25 + 1.52 1.775
3.24 + 1.51 1.77

3.24 + 1.52 + 1.78



2879 ✓ 07 31 30

6.54+101-103
8.56+0.55+0.5
+22 56

6.30

1200
8112
chanta

⊕ 6.56-117 1152-493 to March 30

6.53-112 1155-473 26 March

⊕ 6.57-111 1160-450 2 April

~~6.58-112 1155-473~~

Red ⊕ ⊕ ⊕

AO 6.15 to 30/ March

A [8.42 + 0.269] 10 March
8.42 + 0.283] 11
6.12 + 0.302] 12

2992-✓ 07 29 55 -37 18

664 7813

2.128 4 9 8 8 3

2.124 3 1 pen. 03

RR 666-204 907 -513 2.124 3 1 pen. 03
664 312- 923 -513 664 79 704

668-320 916 -443 15 Apr 75 16"

~~668-313 916 -507 V 13~~

2.127 2.549

MAN

550

~~668-313~~

664 7209 17 Nov 76

18 11 7

629 629

640 7214

1911

59984 Alu 105

502501055

2883

7

30

45

-8

50

595-349 857-524 11Apr77

593-353 843-474 10Apr77

593-358 853-514 9th

594-353 851-505 (3)

584 +0205 12Mar77

566 +0215 12Apr77

10.04 08.5
② 10.04 08.5

592 353 128 403 1317

2883

4651
805

350 122 344

439

598

2-602

610

2020

802

2884 ✓ 07 29 25 -52 36 T-94969

RR

5.87 102 1133 -404 145en 28 40"

5.87 -101 1123 = ~~412~~ 15"

5.87 102 1124 -403

617

5.41 342

[279 + 0.395] 32483

341

5.41 ~~#3226~~ 3483

5.43 1033.5 177m N

5.41 10349 18"

5.42 ~~#3377~~ 345

0.330

(R) (V)

~~12321~~
12321

W630

12321

2894

12 12 576915

5.66 -25
5.66 -35
5.69 -37

1290
1278
1330

7 22 28
-466
-444
-496

25 Dec 76
25 Dec 76
31 Jan 78

5.62 -039
5.65 -042

(11265)
(1273)

(458)
-497

22 Nov 76
17 Apr 76

5.63 -040
5.63 -036

1299
1278

(475)
-480

15 " "
22 Apr 76

5.63 = 036

1293

(492)

(X)

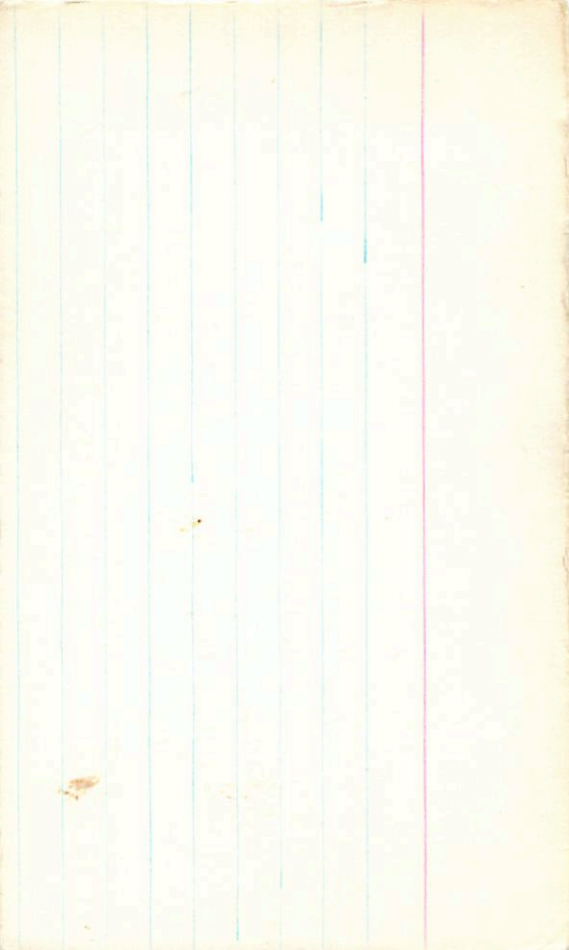
.301

(51109165)

612

574125405

528-1039



√√ 6630

2899

7

32 13

-19 22

569

93

6024) ④

5.66 -85 1278 -489 56276

5.63 -36 1329 -520 12111

5.66 -25 1290 -496 25..

5.65 -22 1279 -550 ③

497

④ 359
305

Sub.

2.55 + 0.408 83

2.54 + 4248 3493

358
370

02-7
5.20 + 0.39

813

2406 07 33 05 -22 15 444+0.52

R✓✓

446 -367 867 -365 15 Apr 28 16"
445 -365 870 -351 17 " " "
445 = 366 870 -373

340 445 2601
340 445 2601

433 +0.193 16 Apr 75

2408 ✓ 07 32 30 -43 02 242 180

6.54 -157 1638
6.55 -157 1628

RR

6.54 -150 1017

WR

6.53 -161 1043

6.54 -157 1034

~~2409~~

554 293 446

461 344

6.14

+1321 - 0700

1444

6.12

+0.329 18"

6.13

+0.325

338

VV ~~10~~ 07 33 20 -23 25 6.01 dFL

(PI) combined height

$\delta_m = 0.9''$

RR

W 5.83 -407 864 -380 19 Mar 78 40"
 5.85 -424 893 -408 26 " "
 5.87 -418 +880 -354

2663

E 5.86 -425 864 -424 19 Mar 78 40"
 5.89 -404 871 -414 26 "
 5.88 -410 887 -421

AB

5.02 -4135 16 Mar 78
 5.02 -4143 17 Mar 78
 5.02

2414 ✓

07 33 40 -26 58 5.76 +106

R/R

578 40 1177-475 197m 7840"
574 15- 1175-465 26 " "
574 40 1176-471

620 427

5.85 40339 16m 78
5.84 41342 77m 75
5.86 7

2917 ✓ ✓ 07 33 10 ⁷⁸ -39 51 4.76 + 1.13

✓ ✓
Mond

6.76 -34 1277 -458 28 Apr 80 40"
6.79 -34 1227 -450 15 Apr 78 16"
6.77 -46 1234 -446 27 Apr 80 40"
6.78 -38 1226 -449 (3)
-38

R

6.15 +0.40 12 May 74 [8.58 +0.359] 14 Apr 71
6.26 +0.381 17 May 78 6.28 364
6.22 +0.390

60803

ALWPT

5.40 + 0.60 + 0.10

24N 372190 343 2600
7 35 15

+5 55

5.99 - 345 893 - 422 10 Apr 77

5.98 - 299 885 - 334 18 Mar 77

5.91 - 325 893 - 421 11 Apr 77

5.85 - 315 881 - 420 9 "

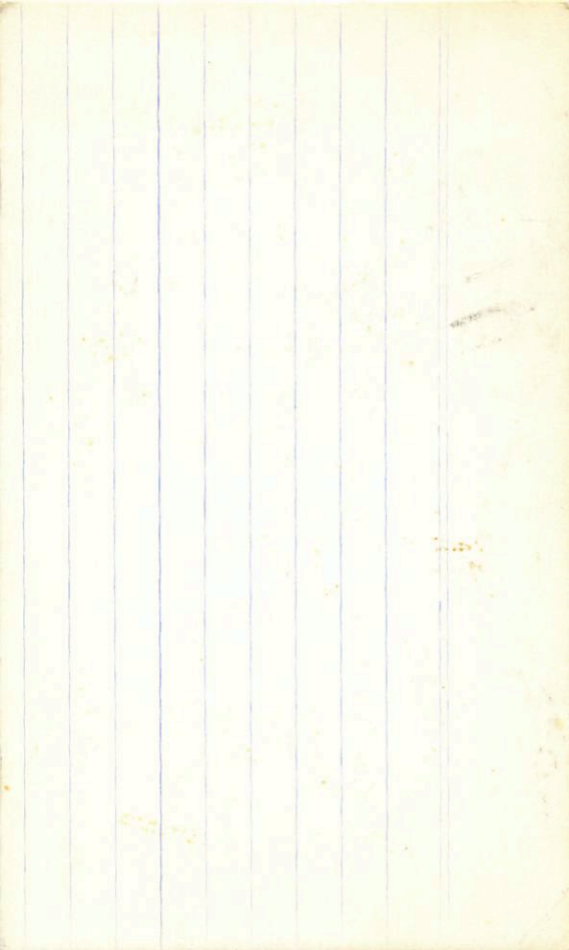
5.84 + 0.20 12 Mar 77

5.88 - 328 889 - 421 (3)

5.80 + 0.21 5 12 Mar 77

~~5.82~~ + 0.21 (2)

5.89 380 168 440 1527



2419 ✓ 07 27 00 -79 03 5.52 +125

$$\begin{array}{r}
 5.53 +57 \quad 1405 -480 \quad 1405 \quad 1405 \quad 1405 \\
 5.53 +61 \quad 1389 -480 \quad 15 \quad " \quad " \\
 \hline
 5.53 +59 \quad 1397 -480 \quad 1397 -480
 \end{array}$$

786

478 +450
 132001
 1474 + 984
 192001
 1474 + 984
 2450 + 2874
 2450 + 2874

✓ 727 +0410
 ✓ 727 +0410
 ✓ 727 +0410
 ✓ 727 +0410
 ✓ 727 +0410

2923 ✓ 07 35 10 -22 06 647 G5

RR

6.41 126 1124 -462 19 months 40"

6.41 127 1123 -460 26 "

6.41 126 1124 -461

20.7 306

[8.33 + 0.296] 14 Apr 17

5.57 + 0.308 21 Jun 17

6.07 + 1327 18 months

6.01

✓
RV ✓

2434 ✓ 07 3505 -52 29 493 +140

452 +112 1464 -456 2426 87 80

454 +125 1448 -444 1448 78 40°

452 +116 1423 -466 15 1
493 +118 8114 2961 1412 -457 ③

1 m m w l

only 415 OR 1h

100
100

$$2941 \checkmark \quad 67 \quad 35 \quad 30 \quad -55 \quad 50 \quad 6.38 \quad +1.18$$

$$\begin{array}{r}
 6.42 + 2 \quad 1272 \quad -467 \quad 270575 \\
 6.40 - 3 \quad 1272 \quad -469 \quad 144058 \quad 40' \\
 \hline
 6.41 \quad 0 \quad 1277 \quad -476
 \end{array}$$

RV

$$573 + 42 \quad 1270.74$$

$$\begin{array}{r}
 577 + 40 \quad 1270.74 \\
 \hline
 585 \quad 1470.74 \\
 58.5 \quad 1470.74 \\
 \hline
 585 \quad 2941
 \end{array}$$

$$[8.15 + 0.384] \quad 194951$$

2442 ✓ 07 36 55 -35 13 6.59 +1.14

R 6.59 -40 1270 500 282480
8.62 238 1274 -521 9278

R ✓ 6.10 -39 1272 -510 ②

8.43 +0.350] 14 Apr 17

6.10 3.60

6.09 +0.383 18 Mar 14
8.08 +0.363 27 May 79
6.08 +0.323

R ✓

2945 ✓

07 36 55

37 57

6.25 H1

normal

6.37 + 180 1582 - 507 14 Apr 70

6.38 + 184 1591 - 510 14 Apr 78 40"

6.37 + 174 1582 - 506 28 Apr 80 40"

6.37 + 180 1585 - 506 (3)

~~TR 21~~

5.43 + 54 13.11

5.12 + 54 13.11

4.0

7.95	+ 0.543	21 Nov 70
7.95	+ 0.552	19 Apr 71
7.95		

4.0

5.58

2953 ✓ 07 39 30 +13 50 637 120

6.23 +123 1443 -422

6.23 +131 1455 -464 4AP 28 24"

6.25 +132 1458 -520 21.4

6.24 +130 1452 -499 ③
-420

111111

5.30 +0.489 15 pms

5.61 +0.476 16 pms

5.65 -1.482

2955 ✓ 07 37 45 -38 43 620 +102 -

192 181

R 6.25 -113 1138 -446 52475

R 6.21 (+124) 1150 -438 107480 (instead of 2557)

✓ 6.18 -113 1133 -447 172480

(11000) 6.21 -103 1159 -449 287870

6.21 129
113 1143 -449 (4)

5.76 +0.347 15 2005

5.75 +0.337 27 2007
5.76 +0.347



2959



39 25

-15

13 515 M3 II

$5.01 + 2220$
 $4.99 + 2229$
 $\frac{1874}{1578}$
 $1579 - 561$
 $1578 - 569$
 $1874 - 565$
 25 2150

986

167

423

10.553 20 Jan 20

425

10.556 23

424

10.554

105 RR 659

✓

296.0

07 39 185

-19 37

592+116

RC

11^m 10^m

594 51 h55

1247 1247

496 496

19 Mar 51 40"

41 h55

1247

405-

1196

41 h55

1247

405-

296 LOC

5.48

+0.3886 15 Mar 78

5.46

+1.3888 17 Mar 78

5.47

+0.3887

2470 ✓ 07 40 10 - 09 30 393 + 102 -
✓

²⁴⁴
3.54 - 100 1178 - 450 29. Apr 78

356 - 108 1151 - 480 19 Apr 78
355 - 104 1185 = 965

353 + 3596 min

62014 ✓✓✓

2473

2473 9 91 46 +28 57 4.17 10.174

62014
3.75 + 4.15 (3)
3.70 + 4.4 #A

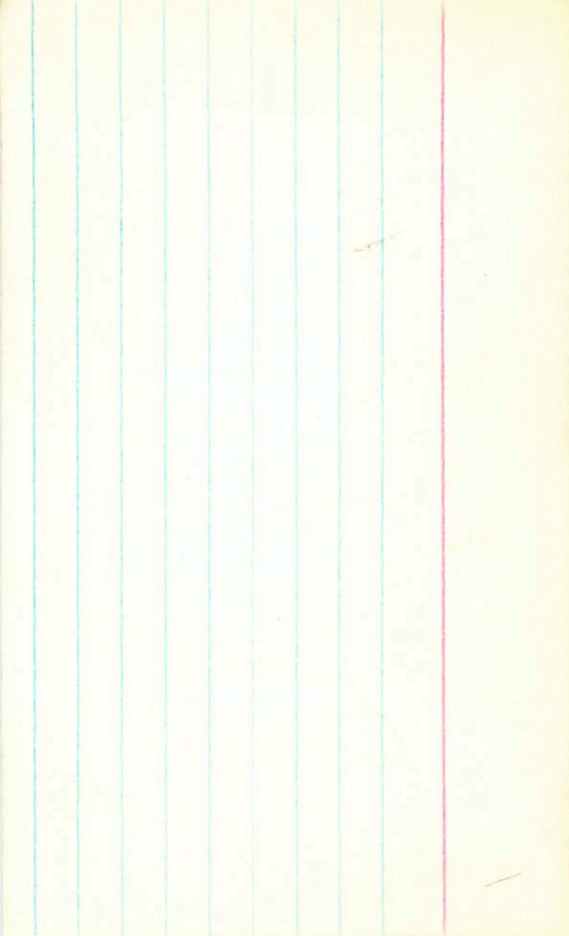
164 112 163

4.19 -41 1221 -533 500276

421 -47 1253 -557 711 "

423-76 1238 -573 12... "

424-55 1237 -555 (3)



2478 ✓ / 07 42 00 + 22 28 624 1011

R ? $\int_{6.25}^{6.29} \frac{1}{x} dx$
with 6.295
6.25 -141 1096 -453 40978 24"
6.29 -133 1092 -448 211"
6.27 -137 1094 -450 (2)
590 051

5.83 +1253 201178
5.99 +318 0 0015
6.44 +304