0.1M

1474 00 17 40 -30 07 8.47 6068

109

347 161 449 2.47

8.34 340 887 460 2.142 75

837 344 901 448 2.144 270

838 342 895 454 2.143 (2)

272 376 357 444

263

NO

+51 +25

11 2 β3 00 17 55 -33 26 8.85 80

8.79 -497 889 -173 2352 - 9 Mar 82

8.92 -498 891 -205 2239 17 Aug 80

8.84 -504 899 -164 2258 25 Jul 79

8.85 -513 924 -203 2255 3 Y

8.92 -502 900 -204 2.258

8.92 -500 893 -186 2.255 (3)

8.15 0.197 173 0.913 2.253 (3)

+20-20

113 β 00 18 15 -34 01 8.80F5

884 -402 872 -345 2.194 25 f/24
881 -414 886 -353 2.191 3 " "
882 -408 879 -349 2.192

296 184 564 2.677

(244) (505) 35

+39 −1

114 ρβ 00 18 40 −30 46 9.15 Fr

9.18	−410	882	−368	2.174	23 Sept 74
9.18	−402	865	−341	2.177	3 "
9.18	−406	873	−364	2.176	
	248	148	548	2.658	

(238) (488)

Eg 1009

8

+64-116

115 XX 02 18 54 -32 28 10.02 170

Dyani 49

10.01 -232 1010 -484 13 Sept 79

10.03 -227 990 -442 2 Sept 79

10.05 -244 1025 -473 3 "

10.03 -235 1008 -466

10.07 473 281 431 9.66 +10.274 19 Dec 74

RP 334 9.69 +10.275 18 "

9.68 +10.274

282

+6 +40

116 pt 80 19 05 -31 55 9.40 F8

9.46 -374 872 -461 2.173 25 pts
9.47 -387 883 -470 2.155 3"
9.46 -393 877 -466 2.164

322 152 443 2643

+103 (249) (379)

+8 +8

117X+ 00 19 03 -31 10 10.50 +80

17mre ✓ 43

10.54 -44 1252 -418 13 Sept 79

10.55 -23 1228 -423 25 Sept 79

10.56 -46 1283 -563 3 " "

10.56 -45 1253 -420

358

10.06 +0.358 19 Dec 79

10.05 +0.361 18 "

10.06 +0.360

RR

+214-91

118 XX 00 19 10 -32 54 8.5365

8.8-10.4
0.3

8.55 -277 954 -552 25.029
8.54 -280 948 -557 3°
8.54 -278 951 -554

RR

8.22 +0.254 19 Dec 74
8.24 +0.253 18 " "
8.23 +0.254

0.3

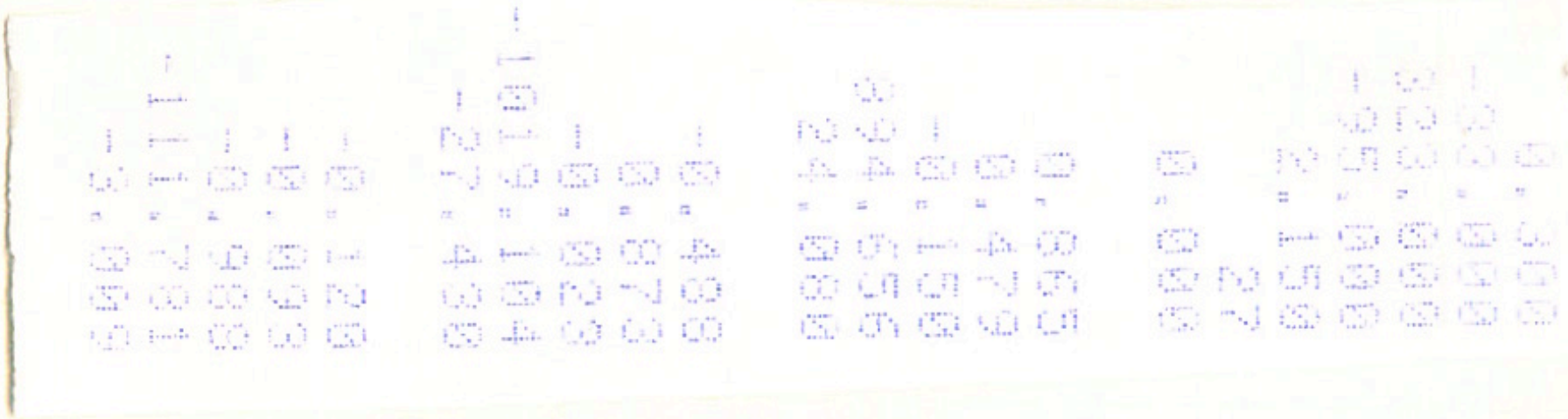
330

323

15

2.15

271-045



+11 -20

114 X +00 19 20 -30 41 8.74 1N5.1

8.82 +71 1299 -389 25 X 79
8.82 +83 1283 -387 3 "
8.82 +77 1291 -388

8.15 +0.458 19 Nov 79
8.17 +0.458 18 "
8.16 +0.458

RR

BB

120 00 14 50 -30 46.5 25 60

(X)

~~Clark~~

9.88	-350	879	-383	2,150	16 Aug 80
9.87	-350	879	-403	2,145	13 Sep 79
9.88	-377	888	-363	2,160	12 Nov 79
9.88	-349	882	-363	2,152	(3)

-0-7

12:15 PM 00 19 55 -34 25 10.0 Fs

10.04	-343	878	-423	2.188	25 sq ft
10.04	-407	896	-427	2.171	3'
10.04	-400	887	-425	2.180	

Ey +007 304 161 485 2.662

(252) (424)

-85-79

22 X β 00 19 50 -29 48 8.41 60

HB only

8.41 -365 874 -431 25 Jun 79
8.41 -361 823 -444 2.1533 " "
8.41 -363 874 -434 2.160 13 Jun 79

→ 2.157 (2)

Eg+015

0.343 0.149 0.472 2.635 (2)

~~20±87 71 -0227±34 -001±3.7~~

8.76 4.5

27.009 97.9 -0076±8.3 -099±8.3

55.26 96.5

-0085 -081 Entry

-00815 -079

0.3

-300

-120

83

4.5

-1059

-104 -083

0.300
-30.000
-120.000
-83.000
4.500
79
0.000

0.865
0.486
-0.125
-617.358
-49.000

-0.488
0.873
0.028
-103.171
-0.135

-0.120
-0.041
-0.992
75.229
5.976

+74 -27

*

123 B 00 19 52 -32 51 9.23 65

B

9.33 -305 844 -495 2.121 22 Oct 84

9.37 -258 884 -505 2.127 3 Sep 79

9.33 -270 863 -484 2.123 4"

9.35 -300 844 -500 2.123 (2)

426 151 414 2.556

9.05 +10.241 15 Jun 79

9.08 +10.245 18"

9.06 +10.243

RR

0.3
344
+57 +108
-27 -27
4.15 4.15

094 -027

0.300
-34.400
108.000
-27.000
4.150
68
0.000

0.865
0.475
-0.162
304.450
20.593

-0.488
0.872
-0.045
-317.552
-21.469

-0.120
-0.117
-0.986
-35.562
-2.404

Dy

1682 00 20 00 -35 03 254 G5III/IV

X

541 292 449

8.03 155 1029-412 75yB3

ND

+37-5

1D-4 XX 00 20 23 -34 18 5.14 GO

8.10 -231 929 -442 25 Sept 79
8.11 -233 934 -462 3 "
~~8.10 -232 932 -452~~

7.77 +0.264 19 Dec 79
~~7.79~~ ~~+0.262~~ 18 "
7.78 +0.263

RN

0.300
-34.000
57.000
-12.000
3.050
41
0.000

0.865
0.477
-0.158
166.605
6.787

-0.488
0.872
-0.038
-156.831
-6.470

-0.120
-0.118
-0.987
-20.538
-0.827

126 X + 00 20 27 -33 13 8.9 IV0

(V)

9.00 -107 1114 -424 22 Oct 84
9.01 -97 1050 -411 4 Oct 79
9.00 -105 1117 -439 13 " "
9.00 -104 1116 -425 (3)

8.52 +0.351 15 Dec 79
8.56 +0.342 18
8.54 +0.349

RR

128 00 21 15 -31 12 10.30 60 -24 25

10.30 -404 (857) -428 30 Nov 77
10.37 -400 881 -429 13 Jan 78
10.34 -402 840 -428

302

(B) ✓ ✓

2.160 16 May 74
2.168 17
2.164

10.30 +0.186 7 Jan 77

10.20 +0.150 5 Jan 78
10.29 +0.158 2 Jan 77
10.24 +0.154 (2)

+24-25

128 β β 00 21 25 -31 11 1030 60

~~2-164 135~~

10.36 -358 876 -421 2.164 135 +74

10.37 -354 864 -358 60" 2.128 122007"

10.36 -357 872 -409 2.174

+055 -014

X97 00 21 35 -34 52.5 9.03 +41 0.5

9.15 -253 956 -414 24 Jun 80
9.15 -252 947 -406 25"
9.15 -252 942 -410

4E9 500

405

8.88 +0.239 16 July 81
7.89 +0.249 17 July 81
7.88 +0.244

124 60 21 36 -31 50 8 52 152 +25 -19

(4)

8.59 +39 1341 -422 226+84

8.60 +35 1350 -435 227on77 8.06+0.425 2 on77

8.59 +53 1352 -431 13 6+75 (431) 8.07 +0.431 5 on75

8.59 +142 1354 -430 (3) 8.04 +0.431 +428

770 558

+125 +27

α 98 451 00 21 45 −35 30 7.62 04360

(α)(θ)

β

7.63 −317 916 −458 2.133 24 Dec 80

7.61 −318 928 −460 2.146 25"

7.62 −318 922 −459 2.140

0.300
-35.500
192.000
36.000
3.600
52
0.000

0.865
0.472
-0.171
721.326
37.856 +36.3

-0.488
0.871
-0.061
-212.664
-11.161 10.4

-0.120
-0.136
-0.983
-111.948
-5.875 -5.5

GTV

130 00 21 59 -34 42 8.69 150 +17 -17

Index

8.73 -109 1127 -432 5 Sep 80

8.74 -100 (1147) (-441) 13 Oct 78

-8.75 -97 1128 -434 25 Nov 78

8.74 -102 1130 -433 (B)

8.37 +10.337 2 Nov 77

8.20 +10.334 5 Nov 78

8.34 +10.341

(RI)

+056-014

X 104 00 22 25 -35 01.5 10.7 0.39 Go

P (X)(X)

10.74 -325 919 -447 2.158 24 Jan 80
10.74 -321 902 -403 2.143 26"
10.74 -323 910 -425 2.150

132 OV 22 08 -33 18 5.66 NO -13 +133

(4)

8.75 -106 1285 -559 22 Oct 84

8.74 -114 1290 -550 22 Nov 77

8.75 -103 1274 -547 13 Oct 77

8.74 -108 1284 -552 (3)

610

8.27 +0.38 22 Oct 77

8.21 +0.38 5 Nov 75

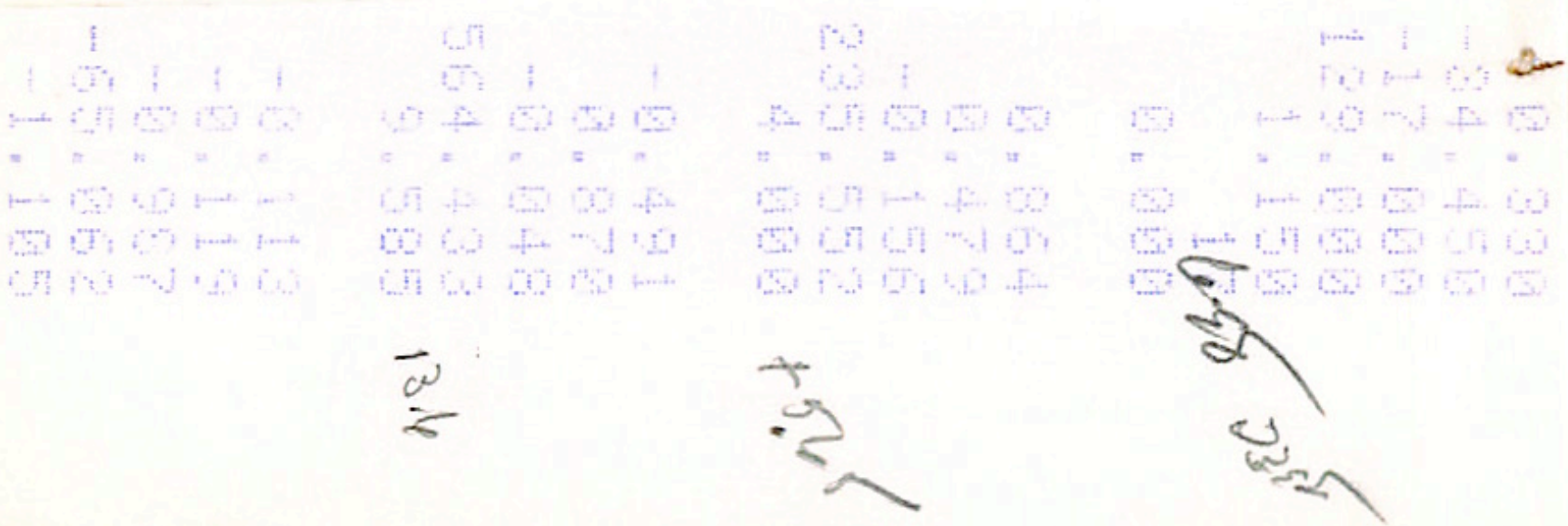
8.24 +0.381 (2)

-014 +129

0.23
-14.41
-17

+129

1.15



135 00 22 46 -31 24 9.19 100 +3 -140

1 mark

(X)

54

(9.14 -26 872 -397 22 Nov 77)

~~9.25~~ (-121) 1090 (-437) 10 Oct 78

~~8.40 +0.350~~ 77

(+) 9.27 -134 1100 -403 25 Nov 78

9.26 -140 1095 -408 5 Sept 80

9.28 -137 1104 -404 22 Oct 84

8.83 +0.317 5 Nov 78

9.27 -137 1097 -405 (4)

8.89 +0.321 22 Nov 78

8.86 +0.319