

V 496 Aug

Blue 21 Aug 22 Aug 23 Aug 24 Aug

9
C.S

19 07 15 -07 28

7.6-8.0

7 Sept Sept 14

7.80 +65 985 -216 2.143 04:15 25 Aug 80

7.94 +105 1011 -276 2.154 02:25 17 Oct 80

7.66 +13 945 -142 2.167 02:20 21 " "

7.74 +51 965 -195 2.154 02:30 22 " "

7.84 +87 983 -228 2.154 02:10 23 " "

7.44 +76 1001 -264 2.151 06:40 22 July 81

7.97 +88 1024 -225 2.155 06:05 24 July 81

7.64 -15 929 -53 2.176 04:40 22 Aug 81

7.65 +2 933 -101 2.179 04:25 23 Aug 81

7.74 +34 971 -174 2.170 04:15 24 Aug 81

(20)

(20)

July 22 2000
July 2 2000
MNH
2

5.0
20.55

~~June 17, June 30 budget July 7 July 14 July 21~~

5:37

1162 Aug

19 51 15 -11 **25.5**

8.4-9.3

July 7, 8 '83

7.73 -148 936 -92 2.178 20 Oct 81 01:30

2.69 -184 951 -84 2.158 15 June 81

2.85 -124 990 -183 2.145 16 June 81

2.57 -237 925 +8 2.174 07:00 22 July 81

2.89 -119 1013 -212 2.145 06:45 24 July 81

2.86 -124 1022 -224 2.155 04:20 5 Sept 81

8.03 -91 1034 -258 2.139 03:45 6 Sept 81

8.04 -99 1019 -251 2.146 03:25 7 Sept 81

2.57 -115 997 -126 2.145 01:45 15 Oct 81

8.04 -97 1041 -179 2.156 01:40 20 Oct 81

4 Sept 83
5 Sept 83
10 Sept 83

18 Aug 83
19 Aug 83
20 Aug 83
25 Aug 83

18 Aug, 24 Aug, 25 Aug, 9 Sept

83

21 Aug (cont)

6.38 -10 883 -74 2.189 04:35 19 Aug 83
→ 6.81 +59 955 -229 2.165 02:00 24 Oct 80

~~26 Aug 83~~

6.54 +32 936 -153 2.164 06:55 22 July 80

~~19 Aug 83~~

6.72 +76 970 -206 2.167 06:50 23 July 80

~~2 Sept 83~~

6.84 +93 970 -248 2.163 06:15 31 July 80

~~8 Aug 83~~

6.65 +61 955 -207 2.170 04:15 35 July 80

~~7 Aug 83~~

6.40 -20 873 -39 2.167 03:35 22 July 80

~~5 July 83~~

6.36 -31 880 -51 2.164 06:30 30 June 82

~~Sept 24 83~~

6.56 +57 953 -232 2.171 07:50 8 Sept 82

~~Oct 6 83~~

6.11 -136 848 +162 2.221 03:00 7 Sept 82

6.13 -120 821 +176 2.213 00:35 28 Oct 82

~~29 July 82~~

6 Oct 82

7.02

V Acad

19

28

15

-07

05.5

6.2-6.9 ✓

~~June 28~~
~~June 29~~
~~July 6~~
~~July 20~~
~~July 21~~
~~July 28~~

~~30 Aug 82~~ ~~31 Aug 82~~ ~~15 Sept 82~~

~~25 Sept 82~~ ~~26 Sept 82~~ ~~29 Sept 82~~

→ 6.38 -13 948 -64 2.196 03:50 23 sec

6.11 -115 852 +128 2.277 03:10 12 sec

Wing ~~Acad~~

6.81 +64 947 -234 2.158 02:50 17 sec

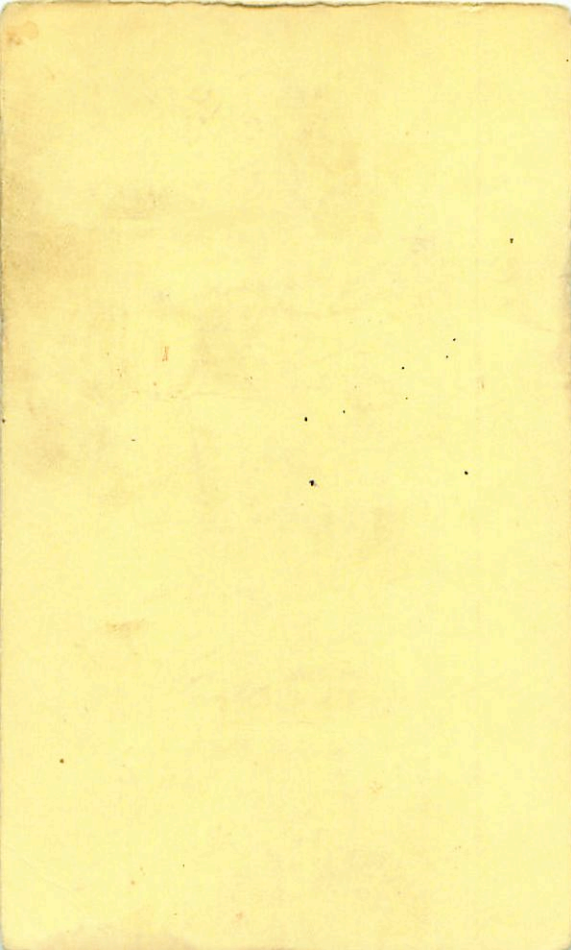
6.38 -74 968 -9 2.182 02:25 18 " "

Oct 25 ✓
82

6.38 -13 910 -96 2.172 02:40 21 " "

6.62 +62 954 -226 2.160 02:45 22 " "

6.77 +96 975 -243 2.156 02:30 23 " "



LS Prof 20:50 SB12 52- 088 51- 927
E88 908 54:10 9812 47- 988 45- 637

→ 43 Prof 20

② Full

Fm Aug

~~Sept 75~~

~~Aug 20 Aug 21~~

Aug 26, 27

6.1

19. 08 20 +10 31 7.9-8.6V

21
22
20

Sept 13, 14

8.50 +208 917 215 2.161 03:05 50 out ^{1.3m + 100}

7.91 +57 816 +111 - 03:00 60 out ^{180 h₂O}

8.62 +230 898 -285 02:45 23 out 50

8.09 +95 830 +2 02:30 24 "

8.06 +122 849 -20 2.156 03:00 70 out 80

8.29 +200 891 -154 2.167 03:10 8 "

8.09 +115 867 -6 2.184 04:10 20 Aug 87

8.04

~~Sept 30 83~~
~~Oct 6 83~~

28 Aug 84

June 16
June 29 X
3 July
9 July
11 July
21
22 23 Aug

200-300

137626

37M 700
15 2.9 05-65 32

771 F8 II

6503074

464 233 750 2.651

0.61

(X) (H) (L)
(X) (N) (X)

7.88 -207 994 -186

2.172 21 Aug 81

7.86 -241 948 -102

2.170 15 June 81

7.78 -247 975 -132

2.172 21 July 81

7.84 -220 942 -152

2.178 00:50 5 Sept 81

7.95 -231 982 -153

2.166 00:45 (Kurt)

7.79 -233 979 -115

2.173 00:35 7 Sept 81

7.75 -252 969 -108

2.172 00:05 9 Sept 81

check 7.88 -208 980 -52

2.176 00:05 10 Sept 81

7.79 -233 981 -133

2.170 00:40 12 Sept 81

7.77 -243 963 -52 m

2.195 23:40 19 Sept 81

Van

184
damp

d?
64

137626

782	27	972	-137	2.175	05:50	20mg
784	211	974	-127	2.180	05:05	30mg
1797	247	977	-107	2.222	01:50	30mg
776	247	974	-105	2.189	02:45	30mg
792	222	1074	-167	2.152	03:40	10mg
777	247	977	-102	2.158	03:10	20mg
785	218	991	-147	2.181	03:00	30mg

1 May 83

58945 →

58

63 44 56-61

14 50 55

⊗

AX 61

6.07	-190	894	-358	2182	23015	July 80
7.59	24	4c	51	508	12	July 80
5.77	-288	870	-135	2174	040220	80
5.92	-213	915	=340	2169	004550	80
6.06	-183	902	-340	2172	2340	80
5.97	-229	897	-318	2174	2335	80
5.75	-261	874	-189	2188	0130	22 July 80
5.77	-261	896	-193	2177	0205	23 July 80
6.09	-194	843	-387	2164	0200	31 July 80

X

X

X

June 14

June 29

June 30

July 10

July 20

129708 → 2.74 -194 822 -141 2.206 86:20 11 Aug 79
~~111110~~ 7.40 -758 815 +148 2.237 86:55 11 Aug 79
 7.5 82

BPCia
 69 ✓ 7.72 -200 836 -145 2.192 88:55 20 Mar 79
 ✓ 7.51 -234 810 +11 2.216 85:00 10 Apr 79
 7.52 -240 834 -6 2.210 07:15 29 Mar 79

2 March 7.55 -231 834 -31 2.203 23:20 18 July 79

4 March 7.51 -229 823 -24 2.195 23:00 19 July 79

⇒ 7.71 -207 829 -147 2.181 23:35 8 Aug 79

7.41 -277 837 +67 2.213 23:35 9 Aug 79

7.76 -251 821 +41 2.203 00:35 8 Aug 79

7.75 -269 843 +9 2.208 23:55 16 Aug 79

7.59 -219 827 -69 2.186 23:40 17 Aug 79

7.54 -239 821 -26 2.199 23:50 23 Aug 79
 7.71 -198 815 -136 2.185 23:40 25 Aug 79

124708

737	-252	813	+106	2240	02:58:30	Mg ²⁺
742	-244	831	+24	2233	01:50	31 June 52
764	-214	827	-54	2212	08:20	1 July 52

129705

82-

7.72-200836-195 2.192 07:55 30 May

7.57-234810+11 2.216 05:40 11 May

7.57-158822-141 2.206 06:20 11 May

7.40-258815+44 2.237 06:55 1 May

7.62-221937-104 2.198 05:40 2 May

7.57-252813+106 2.240 02:55 30 May

7.64-223836-123 2.216 02:35 2 July

7.48-256833+36 2.226 02:35 3 July

~~25 Jan 54~~

~~25 Jan 54~~

~~25 Jan 54~~

~~25 Jan 54~~

S am

12

53

10

-58

19

2 May 54

3 May 54

6.16

-178

964

-144

2.156

08.30

29 Jan 54

199

-204

943

-91

2.164

23.50

29 Feb 54

h/s /
Z

29 Feb 54

→ ~~July 23, 24, 26, 20 Aug (13)~~

~~5 Sat July 23, 15 Aug~~

S. low 12 53 10 -58 19.0 4d

→ + ramp

15 June
16 June
25 June
30 June
1 July
4 July
5 July
9 July
10 July

6.50	-271	910	-17	2.185	00:35	22 July 81
6.35	-292	906	+93	2.190	00:30	23 July
6.66	-187	939	-113	2.158	00:10	24 July 81
6.84	-145	960	-206	2.146	23:45	24 July 81
6.97	-144	1012	-231	2.150	23:30	6 Sept 81
6.24	-337	992	+189	2.215	01:00	30 June 82
6.54	-223	944	-67	2.179	01:55	1 July 82
6.81	-148	979	+172	2.164	01:30	2 July 82
6.28	-325	983	+195	2.205	02:20	29 May 83
6.47	-255	931	+2	2.171	01:25	8 June 83

25 May
7 June
12 June

4768

538 -344 919

541 -349 913

+78

+76

2.188 23 Aug 70

2.194 20 July 70

CLM

4768(2)

20 Aug (B) 26 Aug

~~23 Aug (B)~~

5.38	-340	908	+81	2.173	23:50	23 Aug 80
5.44	-323	926	+33	2.180	00:05	22 July 80
5.54	-299	925	-19	2.177	00:15	23 July 80
5.41	-339	907	+83	2.196	00:05	31 July 80
5.55	-245	930	+26	2.182	00:25	22 July 81
5.49	-323	915	+47	2.192	00:25	23 July 81
5.52	-308	931	+5	2.183	23:25	23 Aug 81

①② ✓ ✓ ✓
4768 ✓ ✓ 12 30 - 20 +P BB Am
-59 18 3.3

~~3.38 -340 908 +81 2:173 23.50 23 Aug 80~~

5.53 -309 932 000 06:35 26 Apr 78

5.56 -305 915 -6 07:15 27 "

5.54 -298 919 +14 07:20 5 Apr 78 24 "

5.36 -344 894 +97 06:50 4 Apr 78 24 "

5.58 -296 922 -11 06:40 2 Apr 78

5.59 -295 916 +2 06:10 16 Apr 78?

5.48 -333 918 +74 05:45 18 Apr 78

5.49 -338 916 +57 ^{05:55} 06:00 20 Apr 78 (2)

5.11 + 0.208 08:10 18 March 25
5.17 + 0.229 07:15 14 " "

8084

21 05 40 +31 06 56-59

DTL
④
⑤
✓

5.85-384 932 +55 2.164 05:25 10ent 2.5

5.23-376 923 +33 2.175 06:15 12"

5.72-384 915 +34 2.169 03:45 27ent 80

5.65-409 922 +68 2.183 04:00 24ent 80

5.86-334 931-35 2.161 04:00 30 " "

5.91-337 940 +69 2.162 06:00 23ent 80

5.67-447 941 +98 2.187 05:40 24 " "

1 cup doing for each

1422 (40) 65 33 25 - 62 30 340 + 80

✓ 1450 - 190 1088 - 297 06:00 1 Jan 78

323 - 202 1049 - 214 02:45 17 Dec 79

380 - 191 1078 - 258 08:01 9 Dec 79

395 - 147 1123 - 339 08:15 10 Dec 79

407 - 137 1138 - 365 08:10 11 Dec 79

404 - 206 1142 - 348 09:25 12 " "

369 - 287 1101 - 118 07:00 24 Dec 77

364 - 302 995 - 44 05:40 25 " "

344 - 341 970 + 1 02:10 26 Dec 77

326 - 231 1036 - 187 05:00 28 Dec 77

326 - 246 1043 - 143 05:10 28 Dec 77

BDon

5 33 27 -12 30 34

(+)

[626-223 1056-294 2.110] 09.10 200287

392-223 1091-278
305 155

2.156

346-408 9:54

1922-1607

3.53	-293	978	-95	07:20	15 15
3.68	-290	1012	-133	2.188	09:00 3 Sept 80
3.66	-306	1005	-61	2.180	09:05 4 " "
3.45	-337	958	+2	2.190	09:15 5 Sept 80
3.98	-191	1996	-299	2.149	00:45 16 Sept 81 (+1)
3.61	-252	1025	-151	2.155	00:05 13 March 81 (+1)
	5.81	-306	1040	-076	2.113
	6.02	-270	957	+317	2.188
	6.00	-286	948	+399	2.185
	5.79	-317	903	+462	2.195

09:00 3 Sept 80
 09:08 4 " "
 09:15 5 " "

G1 + long (3)

Very chance +B

7.07 +0.460 03:25 17 July 81
 7.12 +0.458 00:45 18 July 81
 7.12 +0.452 00:30 19 July 81
 7.05 +0.447 02:00 20 July 81

7.68 +60 1011 -177 2.166 01:15 28 July 84
 7.65 +35 977 (-87) 2.177 02:10 29 July 84
 7.58 +33 989 -175 2.200 02:05 30 July 84

136789

244125.04 + 2288
38202.145956

G.H. Lugo X

15 23 10 -52 47 8.5-8.5

Only 23-24-25

HP with higher than V
part. part.

7.5-8.0

Apr. 8

ore check

June 5, 16, 17

7.62 +31 999 -193

2.147 09:10 22 Aug 80

June 28, 29

7.70 +98 1037 -276

2.152 04:40 21 July 80

July 21, 22, 23

7.63 +47 986 -193

2.164 07:25 (15) July 80

July 24, 25, 26

7.61 +43 991 -201

2.156 02:30 12 Aug 80

7.56 +36 975 -165

2.159 02:05 13: " "

7.76 +98 1049 -266

2.146 00:55 18 Aug 80

7.60 +48 981 -173

2.155 01:15 23 Aug 80

7.75 +96 1046 -253

2.152 00:15 27 Aug 80

7.71 +80 1019 -249

2.159 00:30 29 Aug 80

GH 12/12/21 Ag 18/19/20, Aust 5, 6

7.60 + 46	980	-164	2.150 03:35	16 June 181
7.25 + 50	1039	-279	2.146 00:35	21 June 181
7.65 + 63	959	-200	2.161 03:55	2 July 17
7.61 + 43	1000	-179	2.164 03:35	2 July 17
7.58 + 44	989	-181	2.160 03:05	4 July 17
7.70 + 87	1031	-253	2.169 04:20	5 June 17
7.60 + 41	1009	-193	2.159 02:40	24 July 17
7.64 + 74	1023	-214	2.160 02:30	25 July 17
7.61 + 27	1013	-87	2.154 02:35	30 July 17
7.67 + 76	1044	-231	2.175 00:57	5 Sept 18
7.65 + 64	1018	-233	2.174 07:55	5 May 18
7.59 + 35	992	-117	2.185 04:30	13 Oct 18

→

HR
7308

JASC

19 15 10 +27 59

6-17 Arizona

PLI-IB

190583

✓ 473 luv

6.22 -256 914 -94

2.164 96:00 11:00

16" 4y

6.17 -308 924 -104

2.160 116:00 "

6.09 -324 918 -50

2.172 03:00 23:00

6.15 -330 925 -104

2.166 02:50 24" "

6.17 -313 927 -90

2.174 06:00 30" 52

6.22 -258 932 -105

2.182 05:45 11:00

6.16 -328 896 -92

2.182 05:52 11:00

6.10 -332 926 -59

2.165 03:20 28:00

~~PSK~~

✓

✓

3.04 JASC

71386



9.21.87 (TO see 82)

WY Mon

6 5-7 45 +09 39

9.6 -10.3

2.1
1.2
5.11
PTII

9.26 -395 879 +192

2.144 08:20 3 NOV 87

9.61 -302 900 -13

2.161 08:15 4 NOV 87

9.25 -359 880 +163

2.159 07:35 24 NOV 87

9.46 -330 876 +165

2.176 08:00 25 NOV 87

9.48 -333 896 +47

2.176 06:55 26 NOV 87

9.29 -388 882 +187

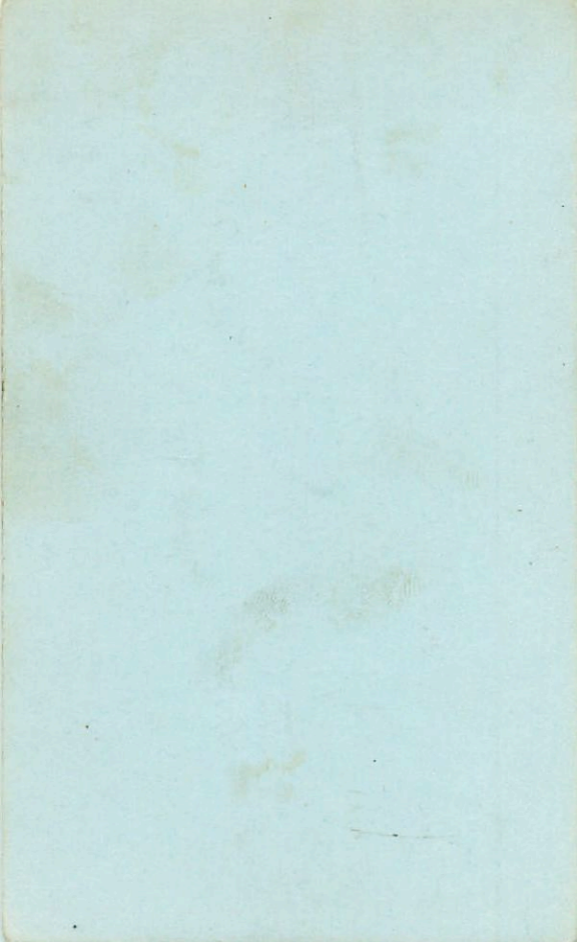
2.202 07:20 27 NOV 87

9.61 -306 910 -25

2.159 07:25 28 NOV 87

9.40 -369 879 +120

2.193 06:00 25 NOV 87



W/M/M

9.32	-320	886	+152	2.189	04:35	26 Dec 87
9.36	-363	886	+123	2.187	06:10	26 Dec 87
9.61	-309	907	-21	2.168	07:30	27 Dec 87
9.61	-362	894	-5	2.172	05:20	27 Dec 87
9.60	-245	882	-5	2.163	06:30	27 Dec 87
9.43	-350	893	+96	2.172	03:45	6 Jan 82
9.23	-405	872	+228	2.211	05:05	6 Jan 82
9.46	-340	906	+35	2.169	03:45	5 Jan 82
9.47	-319	882	+41	2.164	03:00	29 Jan 82
9.29	-286	893	+165	2.198	03:15	29 Jan 82

WMM

962 307 909-31 2.164 02.25 12.82

962 351 860 +38 2.205 06.30 10 Dec 82

RMS

+B

593-6.73

4920

12

40

48

69

18

25

~~26 Mar, 27 Mar, 11 April~~

6.61-149 1074-257 06:38 26 Mar 78 40"

6.75-127 1004-315 07:10 27 "

6.31-223 958-90 07:15 5 Apr 78 24"

6.4-145 1035-252 06:45 4 Apr 78 24"

6.54-152 1016-242 06:35 2 Apr 78

6.29-229 973-115 06:05 16 Apr 78 16"

6.64-134 1093-289 05:35 15 Apr 78 16"

6.65-56 958-263 05:20 19 Apr 78 16"

6.37-256 931-64 06:00 20 Apr 78 16"

~~17 June~~~~1 July~~~~2 July~~~~9 July~~~~10 July~~

5.87 4.278 88:15 17m 75
6.06 4.373 7:55 18m 75
6.15 4.318 7:20 19m 75

Mich

(X)
P Mus Hunt 6.53-158 1053 -233 2.153 05:55 29. Mar 80
5.99 391 936 +147 2.219 01:10 11. July 80

6.69 -174 1054 -260 2.156 02:00 31 June 80
6.51 -162 1054 -251 2.153 00:05 13 Aug 80
5.99 -354 930 +101 2.194 23:20 23 Aug 80
5.99 -342 946 +102 2.186 23:20 24 Aug 80
6.18 -266 965 -57 2.167 23:25 25 Aug 80
6.24 -237 977 -113 2.158 23:20 26 Aug 80
6.52 -165 1044 -235 2.157 23:25 27 Aug 80
6.61 -140 1073 -265 2.143 00:15 22 July 80
6.76 -28 1091 -312 2.143 00:25 23 July 80
6.72 -150 1055 -251 2.123 00:15 31 July 80

(P Mus 13)

→ July 23, 24, 25 ←

Aug 7, 19

6.06	322	950	+90	2.193	01:40	27g	✓
6.20	264	967	-47	2.183	01:45	39g	✓
5.54	365	982	+146	2.200	03:50	74g	✓
6.15	245	970	+123	3.173	23:40	81g	✓
6.19	254	984	-40	2.165	23:20	91g	✓

4.06 -194 967-318
A 23.12
25:40-2 km 42 501.2

5.55 -240 933 -152 2.178 23:15 23 Aug 71

5.55 -213 943 -146 2.181 00:10 23 Aug 70

6.39 -114 1002 -487 2.147 09:10 16 Aug 71

6.40 -117 993 -478 2.153 09:10 16 Aug 71

6.38 -147 982 -447 2.155 08:20 9 Aug 71

5.59 -257 939 -134 2.106 07:00 3 Aug 71

5.55 -243 934 -154 2.172 07:30 1 Aug 71

6.42 -131 1001 -506 2.155 00:10 22 Aug 71

6.32 -157 969 -381 2.165 00:10 22 Aug 71

6.14 -229 931 -228 2.179 00:10 24 Aug 71

5.56 -255 933 -123 2.188 23:25 23 Aug 71

5.55 (2)

~~17 Aug 71~~

16 Aug 71

16 Aug 71

↑

S. No.	July 21	July 29	July 23, 24, 25	5.50	6.44	cl
4645	✓	✓ 12	11	40	→ 20	02.5 9.7
	<u>29</u>	<u>James</u>	<u>- 30</u>	<u>July</u>	<u>2 July</u>	<u>9 July - 10 July</u>
598	-256	956	-756	06:25	25 Apr 78	40"
594	-241	942	-152	07:05	26 "	
599	-236	933	-161	07:00	5 Apr 78	24"
593	-261	925	-125	06:20	4 Apr 78	24"
6.39	-152	974	-424	06:30	2 Apr 78	
598	-242	940	-170	06:00	16 Apr 78	16"
6.21	-163	1002	-402	05:30	18 Apr 78	16"
6.33	-110	975	-445	05:10	19 Apr 78	16"
6.46	-176	957	-504	05:20	20 Apr 78	16"

March

24
26

26 ✓

8 Aug 78

5.51 70.290 08:10 17 March 28^{Wash}
5.51 70.291 07:50 18 March 28^{Wash}
5.60 70.324 07:10 19 " " "
5.71 70.379 04:00 20 June 79

8 Aug
S.M.S

→ 8 12 11 40 -70 03.5

5.50-245	937	-137	2.187	00:40	30 June 82
6.12-181	966	-294	2.170	00:50	31 July 82
6.19-158	988	-351	2.178	00:50	2 Aug 82
6.32-129	1012	-437	2.167	01:00	3 Aug 82
6.12-178	964	-305	2.157	03:30	8 Aug 82

8 Aug

83

2 June
12 June

7 Aug ✓
PT Mus ✓

~~July 25, 26, 28, 29, 31~~ 3^d
~~151, 152, 153~~
~~11 43 35 -67 11.5~~ 8.6-9.24
→ 9.15 -103 906 -117 2.175 05:25 22 June 82

May 2.83 ✓

9.07 -155 879 -47 2.170 01:35 29 June 80

~~Mar 2~~

9.18 -107 888 -121 2.173 01:00 2 July 80

~~Mar 20~~

9.80 -189 972 +63 2.187 01:35 9 July 80

~~June 15~~
~~July 4~~
~~July 7~~
~~July 26~~
~~July 27~~

8.61 -255 959 +237 2.238 00:05 15 July 80

9.24 -62 904 -166 2.152 01:00 31 June 80

9.36 -71 929 -172 2.154 06:55 30 Mar 81

8.65 -254 850 +252 2.232 06:50 31 Mar 81

9.11 -105 897 -102 2.165 06:50 1 Apr 81

8.64 -243 851 +224 2.219 05:50 21 Mar 82

~~9 July 83~~

12 March 84
30 March 84

PT M... (2)

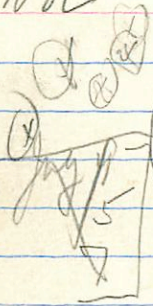
~~2 June~~
~~8 June~~
~~11 June~~
~~14 June~~
~~17 June~~
Sept 84

909-122-905-55-506-210-606
2512-2152-2340 July 84

5 Nov

(B)

16 17 10 -57 51.5 6.1-6.8



July 30
July 31

July 23, 24, 25

31 Sept, 1980

- 2.176 01:50 27 Aug 80
- 2.164 02:00 23 Aug 80
- 2.147 04:10 22 July 80
- 2.151 04:35 23 Aug 80
- 2.143 03:45 31 July 80
- 2.174 01:00 3 Sept 80
- 2.166 01:00 5 Sept 80
- 2.154 00:20 16 Sept 80
- 2.175 00:25 24 Sept 80

(M.H.)

VE