

5.56 7042-153 400 2.742-60

5614 Si 15 038 -20 44 Ap Si

133652 -3814 4882784 91 131 483
262
755

(770)

-2736
9618
-037 140 486 2.724 S

127
124
-22 142 521 2.744 6.6

-7427 0336
-6044 4020
575
141 504 2.732
(Candling)

WOW
WOW
-0014-024 1505
-3075
-22

6626-6130 0338
-2710-7301 0022
+118
-019-025
9774-5806 0381
-2115-7042-1052
-28
575
10.4

[illegible]

Observer: _____

- /

-8.147

-58.815

0.401

STAR

0.774

MAGN

TIME

-0.490

-20.898

-143.279

-0.399

0.629

0.667

5.422

40.720

-0.825

0.072

-0.561

0.400

141

5.750

-28.000

-22.000

-30.750

15.000

Comments: _____

133920

15 04.7 -48 31

648¹⁰

41.7²⁹

B2014

-0024

-026

sky

-00235 -0321

-0256

-0245 -0341

9947

-5832

-8124

-085 -1028

0091

5.24

GL20330

138820

15 04.7 -43 31

12 = 018

V₀ 6.99

-0026 -036

+1.72

-0264 -0357

5.27

-0267

-030-03

0436

0427

0402

0062

-5.41

3.4

0087

5.30

5849

9948 -5849

-1020 8111

7 Aug

	1931.00	27	0.175	8 B
	1931.59	36	0.18	40
	1932.49	37	0.16	8 B, 4
	1933.45	43.5	0.157	5 B, 4 (I)
P = 72.88	1933.59	46.5	0.145	11 B, 4
q = 0.4222	1934.43	48	0.154	5 B I
	1936.05	53.5	0.136	20 I
r = 1924.62	1937.16	55	0.135	8 B
	1951.82	156	0.128	20 I
A = 1650	1952.53	160	0.136	40 I
B = 0.100	1953.58	162.5	0.141	20 I
P = 350	1957.96	171.5	0.23	6 B
f = 0.158	1959.60	175.3	0.233	50 I
	1962.60	185	0.242	60 I
	1963.62	185	0.282	60 I

Observer

898.5-

5 - 4 - 1

STAR

0.198

0.062

TIME

189.91-

15 - 21

8 37

0.537

0.089

2.917

3 - 0

0.821

0.043

10.200

125.893

5.500*

0.022*

0.011*

6.000*

45.000*

5.500*

15.000*

5626.000*

112.5
5.25
4.25
147
5.5
4.7
2.19

Comments:

135308

15 12.6 -44 0

FL 15

109448

4.06

945 2641

-0020-036 647

239 387

-0216
-0226 -0331

9943

-5766

0901

-1064

-5240

0001

0089

0.0

537

135646

15 14 40 -48 17.5

PLU

10 9.25
4.0

24.24

-0022-035

6+4

889

-0020

-0233 -0321

247 396

9988

-5555

0396

-8395

-0015

0497

10.9

0883

5.47

5m = 0.16

15.08 - 6029 + 4.5 - 6448.2

135734 15 15.0 - 47 42 4.4 138m + 4.8 d

20556 - 034 103 662 - 2237 - 0024 - 052 - 415 3.54

4442 2.581 1445.5 - 47 41 33.65 1787.6
5688 158 2.739 - 0027 - 048 30.90 1702 - 948

2.648 2.739 - 0023 - 443 33.28 1439.32

2737 6.31 1205 - 023 - 024 - 441 33.50

2.592 - 137 3419 1555.54

853 6480 574 - 51.9 - 026 - 150 - 23 9486

15825 0049 574 15.28 - 0211 - 0455 34.42

4477 6047506 44.67 3491 - 47.7 - 023 79.2

9483 - 5576 2.581 34 33.44

-0577-6201 3 5.16 14.4

59.8

47.4

-11.378
-102.123
0.140
0.838
-0.528

-31.270
-176.001
-0.541
0.511
0.667

0.531
97.726
-0.829
-0.193
-0.525

14.900
132
5.600
-41.000
-36.000
-47.700
15.250

GL57

15

15.6

-40 36

5.59 -043 109 5.5 2263 Gd

GL57

-043 109 5.5

2.763

5

-0020 -035 889

9870 -5622
-8270

-00185 -0321

40.15 5.1

-0211
-0219 -0242

0345
-0017

-24
24

15.25

-1.0

5.56

-40.6

9872 8639

0308
0009 0077

-284

-1897 -8286

0044
0042 5.56

2892
6.0

4.00

$$39.121 \quad 6.4$$

61
T53

$$\begin{array}{r} 39.067 \\ +9 \\ \hline 076 \end{array} \quad (70.00)$$

$$\begin{array}{r} 39.113 \\ -21 \\ \hline 092 \end{array} \quad (39.12)$$

$$\begin{array}{r} 39.080 \\ -7 \\ \hline 073 \end{array} \quad (55.07)$$

$$-00.14 \pm 4.3$$

$$\begin{array}{r} -0017 \\ -0028 \\ -0023 \\ \hline 23.48 \\ -21 \\ \hline 24.19 \end{array}$$

$$\begin{array}{r} 22.47 \\ -9 \\ \hline 2306 \end{array}$$

$$\begin{array}{r} 23.54 \\ -11 \\ \hline 24.08 \end{array}$$

$$\begin{array}{r} -02.5 \pm 0.7 \\ 23.46 \quad 3.8 \\ \hline 1.35 \\ 22.11 \end{array}$$

$$\begin{array}{r} -031 \\ -027 \\ -038 \end{array}$$

$$\begin{array}{r} -00170 \\ -0226 \\ -00211 \\ -0170 \\ -0240 \\ \hline -01884 \end{array} \quad \begin{array}{r} -0312 \\ -0283 \\ -0254 \end{array}$$

R.A. : 15.250
 DEC. : -40.600
 PM. R.A. : -29.000
 PM. DEC. : -29.000
 DISTANCE : 5.560
 MODULUS : 129
 RAD. VEL. : 0.000

q1 (U) : -0.525
 q2 (U) : -0.089
 q3 (U) : -0.846
 dU : 66.986
 U : 8.669

q1 (V) : 0.667
 q2 (V) : 0.574
 q3 (V) : -0.474
 dV : -148.593
 V : -19.231

q1 (W) : -0.528
 q2 (W) : 0.814
 q3 (W) : 0.242
 MP : -56.757
 M : -7.345

TIME

STA

Date:

Observer:

5 days

5/7/14

(5)

5/15/14

15

21.5

-34

31

136633

-188982424 285151

5.37-11

218

211

-143

135

559

2.73

31

(-7.66)

(54)

129

122

550

2825

91

14

30

± 3.5

-0030

-0560

Gc+

527054

144

545

2.746

00291

-0530

+28

6.35

5.30

-0324

-034

-050

(Paul)

$$\begin{array}{r}
 -0034 \pm 42 \\
 -052 \pm 3.2 \\
 -058 \\
 053 \\
 -065
 \end{array}$$

$$\begin{array}{r}
 28.460 \\
 716 \\
 144 \\
 \hline
 1604
 \end{array}$$

$$\begin{array}{r}
 0022 \\
 0025 \\
 0027 \\
 \hline
 08.98
 \end{array}$$

$$\begin{array}{r}
 0.56 \\
 3.1 \\
 -065
 \end{array}$$

$$\begin{array}{r}
 28.453 \\
 7037 \\
 4 \\
 \hline
 764
 \end{array}$$

$$\begin{array}{r}
 1.85 \\
 -20 \\
 \hline
 2.05
 \end{array}$$

$$\begin{array}{r}
 28.478 \\
 5542 \\
 \hline
 485
 \end{array}$$

$$\begin{array}{r}
 0.85 \\
 -7.92 \\
 \hline
 0.92
 \end{array}$$

$$\begin{array}{r}
 28.536 \\
 36.72 \\
 \hline
 18
 \end{array}$$

$$\begin{array}{r}
 0.33 \\
 -20 \\
 \hline
 0.53
 \end{array}$$

$$\begin{array}{r}
 9825 - 5461 \\
 -1864 - 8358 \\
 \hline
 0650 \\
 0133 \\
 4.38
 \end{array}$$

$$\begin{array}{r}
 0.53 \\
 -0390 \\
 \hline
 -0398 - 0514
 \end{array}$$

Observer:

000.700

13

ST

0.246

MAGN

TIME

0.101

42.864

25

15

0.449

0.249

25.300

314

h1

15

0.859

25

0.101

314

0.600

h1

186.209

114.5

0.350

53

0.050

0.034

0.000

0.000

0.000

0.000

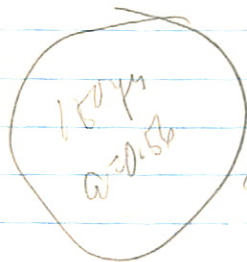
0.000

5719.000

Comments:

5774 / 15 28.5 - 40 50 1900

283,145



147
0.56

New

low 34

34
36
9.8

4246 288.5 0.26

50.58 290.7 0.27

5791 285 0.41 4B

64.56 283.5 ~~0.55~~ 2B

64.57 283.8 0.45 3B

138285

VO 2.41
1.66

15 29 16 -37 57 A04

025

-0022 -036 8th

-00207 -0332₂₆

1323

-0242
-0249 -0306

9710 -5246 0391
2263 -514 0052

-2.4

0084

5.37

138285
20818

15 24.2 -37 57

-0022 -086 sky
-1023 -0384

-0272
-028 -081

0911/
9742 -5264 10078
-2256 -8502 24.0
0084 5.24

5743

2610 Seln 35.1

20
15 326 +24 53 400

134006

5019d

Q

20947

+3 Ws

-417

144

1033

28645E

+11

-4921

000

171 1060

2871

std

+10892

4914

0

144

1.060

2864

46.

49913

15.5
+269

+139

-84

298

1060

1349

-502 = a

Q ind 51

+1208

1.45
+1.7

600

400

Mend = 2.0

-0108

9442

15 = 1510

6000

4000

22 = 0224

+124-084

-6960

7181

15.500

26.900

139.000

-89.000

1.950

245 2611

1.700

1.9

-0.478

0.763

-0.435

-602.804

-15.537

-17.00

17

0.665

0.638

0.388

121.584

3.644

2.24

-0.574

0.104

0.813

-380.852

-7.968

-10.90