56.2

1014 3 21.4 +83 21 5.6 8.92

DS
A254

564 -03 -40 +2 20.1

-014 152849 2.846 +019

+0038 -0073 8.64

148 852
296
1148

5.35
+65
4.9

+0351

+0.48

3.32
+3333

+0.65

+035 -030
over

+44
-29
4.9
+2.1

2756 0447
9613 0148
-8312
5575

+00232.2 -031 ± 31

21.680 1904.5 +0021 36.50 1906.5

144 -024

534 1.21

327.1

21.622 +00315 -0285 37.15 1505.39

120 -24

642 +00300 -0260 26.87

108 +0376

28

$\boxed{+037 -024}$

38

1019.000*

3.000*
21.400*
33.000*
21.000*
0.035*
-0.030*
5.55 5.000*
108.5 100.000
2.400

0.082
0.863

10.298
+2

-0.202
0.382

3.330
33.330
44.000
-29.000
4.900
4.8 95.150
91.2 2.400

0.510
0.013
0.860
87.104
10.382
811

-0.667
0.637
0.386
-203.827
-18.539
-19

0.543
0.770
-0.334
-11.304
-1.881 78
-2

1019 3 21.3 +33 21 09.5 V̄

20995

4052

-03 -16 [illegible]

9m 4"

+0026 -0235

-004 143 830 2.848 JC

-014 152 849 2.846 et al

-009 147 839 2.840

144 8241

1288

1129

+2.4

3.33

+3333

+42

-24

4.6

+2.4

+0.7

+0028 -0273

4

0 -

+0028 -028

+0355 -0235

$\boxed{+035-026}$

988 9 14.2 -9 20

20395 6.14 +0.40 -0.06

3918 +257 +162 +464 000 SPC

Bul 51

3.330
33.330
42.000
-26.000
4.900
95
2.400

0.510
0.013
0.860
83.250
10.014

-0.667
0.637
0.386
-189.482
-17.169

0.543
0.770
-0.334
-4.648
-1.246

79

20995 - 1019 3 21.4 +33 22 5.6 A0 +2.4

4052

1875

A05254 0m 4"

5.64 -0.03 -16 B9.5

+0032 ± 4.2 -028 ± 3.1

+0031 -027

21.680 1904.5 +32 +33 21 36.50 1906.5

-1.46

.534

+31 -27 64 +030

+20 -26 new

+1.24

37.74

21.622

20

642

+108

27.15 1939.39

-28

36.87

-.89

					dwyw		125 m
+500	−18	+882	+0906	+0023	+0929	+2.1	+13.6
−846	+649	+370	−1206	~~+~~0815	−2021	+0.9	−25
+550	+760	−295	+0996	−0954	+0052	−0.7	0

-DAO 7,1 -29 -55 -16 +4 +3

1026 3 21.8 +41 04 AO

024 140 1.064 2.844

1059

53

-015

+026

070

-22

-01

-00107 +0121 W3 50

-012

-013 +009 +low

62

+35

61

80

1026.000*

3.000*
21.800*
41.000*
4.000*
-0.013*
0.009*
6.100*

1027 3 21.6 +20 37

21050
4057

(6.03) -0.04 -0.10 Ranford

mw

-00019 -0020 ZC

-00006 -0012

-00021 +00008

λe

-q -0015

-001-002

32·800 38.55 65.87

3.33
+20.6
-1
-2
5.1
-9

81

3.330
30.600
-1.000
-2.000
5.100
105
-9.000

0.510
0.202
0.936
-4.183
-7.961

-0.667
0.707
0.236
-3.740
-2.516

0.543
0.678
-0.496
8.836
3.535

MN 92 771 range 3 2

DA071 +24, -8, +8 +24, +24, +8

1039 590 171 3 24.6 +12 33 105.5K

2137 9 +16±26 ⑥

+006

-019 160 935 2.878

+17.0

154 939
308
1247

+0.9

var?

+00027 -00947V
+00040 -0086
-0071

+0030

+004-010

+0.9

3.4
+12.55
+4
-10
5.25
+17

82

3.400
12.550
4.000
-10.000
5.250
112
17.000

0.497
0.315

1039 3 24.6 +12 33

21379
4109

new?

(6.19) -0.02 -0.07 Crau

Sti?

-019 160 935 2878 et al
3205
125

tis var?

+0008±4.0 +030±3.1 +12.3±1.7 C_9(5)
+0010 +027
+0016 ±41 +022

21473 3 24.4 49 2.32 +05 1.53 A1 V

4104

24.429 1906.4 −41 48 40.69 1902.9

−035 −1.41

394 42.10

1044

41.2

24.452 41.36 1939.85

−23 17

429 41.19 176

440 +0013 +024

+046 +0014 +0255 40.59 1955.23

24.467 2

−12 40.57

452 +016

+020 +022.5

40.88

44.7

24.494 40.62 69.82 + 1.22

0 −10

48.72

3.4

−41.5

+27

+22.5

8.6

+123

9518

47.6

~~+002~~ +019 022170 1110 2895

1049 +018 +09 3 24.4 −41 49

21473

4106 +0010 +029 Slug 6.32 +0.06 − C (+06.5)

+001 +030 6.34 ~~035 145 1136 2890~~ 3, 8, 13, 19 ②

New 0123 24 19 1129 290

+016 +028 5.57 1426

+123 1496

B ml 51 151 a=059 ✓ 1.91

1.129 n=070 ✓ 119 72 +014 +030

1.431 3.4 41.8 119 +123

455 +21 +0.70

~~+12.3~~ cage 134 135 +28 5.65

5.55

018 6.25 +024 5.56 +123

58

R.A. :
DEC. : 3.400
. R.A. : -41.800
. DEC. : 24.000
STANCE : 19.000
ODULUS : 5.560
. VEL. : 129
12.300

q1 (U) :
q2 (U) : 0.497
q3 (U) : 0.841
dU : 0.215
U : 117.873
17.897

q1 (V) :
q2 (V) : -0.666
q3 (V) : 0.528
dV : -0.526
V : -8.913
-7.624

q1 (W) :
q2 (W) : 0.556
q3 (W) : -0.

1055 3 297 +73 10

21610
4275

6.53 +0.05 +0.04 1599

new? Sts?

+001 148 1.014 2.863 et al
915
35

3.5
+73.2
+42
-29
6.0
-9

0

336
1355
1.356
1.360

420

+0.55

+0034 ±2.4 -020 ±2.3
+0045 -014

40.841 96.4 49.05 94.3

182 +1.11

.659 +0034-0195 50.14

+00355

40.813 +0.154 49.17 1944.57

+0021 023 +02

.886 +012.5-022 49.19

227 -97

84

3.500
73.200
43.000
-22.000
6.000
158

DAO 7,1 -12 -40 -31 -12 -33 -19

1056 3 27.9 +49 02 AOB

21620 6.25 — 1.100

4177 — 332

191 166 1100

1132

047 142 1109 2853 et al

new? 4.5 1556 1100 287 62

1.393

100 155 1100

94

-15 5 Hent

-23 to V

-19:

1.97

+0.35

5.9

1.4

42

G=70

n=97

-0.02

-004 +002

-0004#5.0 +001 ±4.1

57.133 55.0 24.22 96.0

1000.000*

3.000*
27.900*
49.000*
2.000*
-0.004+
0.002+
5.900-
151.356
-19.000

-0.011
0.843

-17.742

1058 3 27.1 -36 02 AO

17 Eri 3 28.1 -05 15 +15 c

HR1070 4.70 -0.07 B8V

+016 +014 C-C
+015 +012 N30
+010 +013
+0.013 +013

+0118
+00044 +00025 W 50
3
+ 7 +7
+00107 +0120

+0150

+017 +009.5

3.5
-5.25
+17
+9.5
5.3
+15

86

3.500
-5.250
17.000
9.500
000

17 Eri ~~+001~~8 +0013

1070 3 28.1 -5 15 B9 V

21750

4185 4.73-09 -28 c ~~±~~+02 4.65V0

+6 55

5.20

38~~55~~

d000 56 +0097 FRY

-0027

4.73-052 +104 840 2.754

4.74-038 +111 ~~828~~ 2.761 Cr

Var

+1=2

4.74-045 107 ~~834~~ 2.757

93 843

186

1029

+21

+0084

+010 +007

117

-035 882

118

-036 107 439

94

1036

NV

$-M_V = -0.6$

V0 4.65

5.25

+09 -14 B9 III

1059 3 28.3 +49 14 B7 V

2161

103 059 903 ③ 2.712 ④

077 882

154

1036

-5.2

+00144 -0044 W_3 50

55

10092 -0026

$m_V = -1.4$

3.5

+49.25

+21.5

-5

-5.2

7.3

+0090

+0075 -005

+0014 ±44 -005 ±3.4
-003

13.682 1898.5 +0013 53.73 1892.8
-072
.610
+025
54.04
.29

+00135 -004

13.640 5415 1952.62
043
.683
+073
-30
53.85
-19

+00116 -0013

+0113

+010 -004 -5.2

7.2

1059.000*

3.000*
28.300*
49.000*
14.000*
0.010*
-0.004*
7.200*
275.423
-5.200

0.027
0.843

3.168

-0.042

3.500
49.250
11.500
-5.000
7.350
295
-5.200

0.478
-0.240
0.845
22.697
2.305

-0.665
0.529
0.527
-36.212
-13.426

0.574

4 Tan

1061 21656 3 27.7 +11 10 89.5 Z

(10) +14, -5, +8 5.12-04-09 Sgg —

40.7 -52, -17, -3, +8

0+07, +10 -5, +6, -6 -0008 -0155 +0.9 6.14

AP/Sgg 15 +20, +21, +19 $\boxed{-011 \quad -018}$ +Con

L_0 6.1

+0.85

5.75

85

-019 137 1.004 2.826

~~130~~ 1.008

214

+0.35

101 1214

262

5 85.2

mN 115,119 Repa?

1114 3 36.7 -28 06 Z Fo2

22789 -14 W3 50 (-02)

4351 +00208 +0322 6.00 -0.02 - Cape

+00103 +0303

+0216 +0225 +0275 Sh

+840 5.99 -027 151 1.080 2.861 3,15,21,15,11

Bul51 143 1085

296

1371

+00109 +0248 FN4 3.6

+0183 -28.1

+0225 +0227 5.5 +28.5

+27.5

6.05

+89

Cas7	Sin7	U
5876	8077	+0362
cos0	sin0	Z
5669	+2388	+0085

3

88

1114.000*

3.000*

3.600
-28.100
28.500
27.500
6.050
162
39.000
26.5

0.459
0.778
0.430
156.042
42.070 36.5

-0.663
0.622
-0.417
1.983
-15.926
-10.

0.591
0.094
-0.801
82.698
-17.829

88

22Ei

1121 3 38,1 -5 22 B9 III p

22920 5.53 -15 -57 C

-064 106 429 2686

94 442

158

630

+157 b

$m_V = -1.8$

-0001 ±2.5 -004 ±2.1

9.664 1905.9 -0003 +009 -003 5.43 19026

004 -0004 .19

668 15.24

-0003 000

9.655 15.27 193874

+ 2 -011 -0006 -0016 +35

9.657 -0090 +15.7 14.92 +32

-007 -004

9.625 73 15.51 195999

+ 23 +07

.648 -020 15.44 .20

68

1121.000*

3.000*
38.100*
-5.000*
-22.000*
-0.007*
-0.004*
7.300*
224 271.5 288.403
15.700

-0.025
0.701

3.667

0.008
-0.150

-0.028

-0.027
-0.697

-18.829

1137 3 41.6 +20 460

23258

4467 (5.97) +0.02 +0.03 Clearfield

new? P ZU

+00170 -0186 +13.0 11 Hule

+00182 -0175 +12.0 1 Hunt

+00182 -0165 +12.6

+12.5

002 183 955 2.920

+00234.1 -0201 8.6

33.203 97.7 14.72 9lab

+12

+0255

+026 -016.5 +26 -15 +ab

-15 +ab

+0016 -019

+0022 -0022

+0224

+0235 -015

3.7

+20.75

+28

-19.5

4.55

+12.5

90

90

0.608
0.659
-0.442
17.826
4.072
-7.706
3.706
20.750
28.000
-19.500
4.550
81
12.500
0.439
0.184
37.879
14.503
14.041
-0.661
0.729
0.178
-149.428
-9.924
0.608
0.659

1094 3 344 +54 46 85p

22316 6.29

+028 -0354

-072 175 614 3 2.778 5

16974

+017 -035

+015 -037

3.590 3.189

5.85 0.64

$m_r = 0.1$

$r_0 = 6.2$

6.1

+018 -037

0.0

3.6

+55

+5673

+33

-37

6.35

0.40

940

9927 4844 | 0435

-1209 -8921 | 0066

7.07 +115 29.35

+0030 ±90 −030 ±8.7

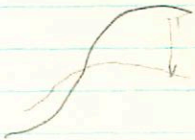
22.993 1903.7 11.77 1503.4

+023 −35 Y

−2

+0021 −35 → 60

+017 −035



$\frac{1}{6}$

1094.000*

3.000*
34.400*
56.000*
46.000*
0.015*
-0.037*
6.100*
165.959
0.000

0.095
0.811

15.832

-0.129
0.584

-21.416

-0.100
0.020

-16.646

3.600
56.750
33.000
-37.000
6.350
145 186
0.000

0.459
-0.358
0.813
102.185
+13 19.028

-0.663
0.471
0.582
-139.447
-21 -25.966

0.591
0.806
0.022
-90.699
-13 -16.989

91

E(1-7) 023 V 04.97 -15.50 -0.53 [w-6] 510 7.06 MV 1.22

1174 17771 3 45.5 +10 59 . 133 $\overline{\text{II}}$

23753 +16.3 5.06 - 14 - 61 +05 15 580

845 5.77 .82 -059 058 378 2.684

28.25 - 29.82 ~~047~~ 360

80 100

+0018 - 025 5.77 0.47 ~~534~~

+0265 4.4 520

+628 - 627 -16 - 155 E 23

W350 6.5 -1.55 +6.0

6.99 120 24.50

+0019 - 0218 20.28 - 24.82

+0280 - 0223 577 0.44

+029 - 026 +4.7 8786 5439/ 0404

7.92 - 106 2515 5558 -839/ 0074

Q2

1164 39 46.8 +6.5 21

2366 6.32

B +0

-022 125 846 2.776

1211 850

242

1092

V_0 6.25

4

6.65

M_V = -0.4

+021 -0166 -3.5

+023 -011 FIRY

+020 -013 +6.2

93

166.000*

3.000*
46.300*
68.000*
21.000*
0.020*
-0.013*
6.650*
213.796
-3.500

0.073
0.732

13.070

-0.085
0.654

-20.548

0.012
0.193

1.882

1164 8 46.5 46.5 21 USTP

+0025 ±6.4 −011 ±12.2

+0041 −009

45.675 1503.4 26.75 1508.6

+27 46

501 27.24

+00395 −010

+0036

1010 45.669 +0202 26.50 1644.88 3.75

+027 +0175 −0125 +02 +6833

.670 26.52 +4.75

169 −32 −12.5

6.65

3.8

94

1149-1150 3 46.7 -37 47

24071-24072

4601-4602 . 4.78 -0.02 -0.07 15ssm 3.75

-37.5

$0^m.5$ $8''.5$ AB -012 +163 +945 2.988 Crand(S) +88.5

-11.5

3.5

ssm +0055 -009 Step +16.0

+0056

3.5

Bul51 5.38 +0.01 +0.04 15ssm

+0664

$\boxed{+070 -011.5}$ 4522 5567 +16.0

8919 -0813

4.78 4.76 4.69

5.38 5.39 5.42

60 63 7³

4.25 4.23

4.28 0.00 -05

95

1

3.750
-37.800
98.500
-11.500
3.500
50
16.000

0.429
0.850
0.306
95.942
9.711

-0.660
0.527
-0.536
-247.433
-20.976

+0044 -003 sty)
+0063 -015 sty)
+0045 ±6.1 -011 ±5.1 8"
+0045 -003

24071 3 46.8 -37 46 5.4 B9 +15.9

2185 49 B8 +16.01

4601 44.694 18463 -37 46 26.28 1893.6

-242
.452 +1.10 75 -25 164946 2898 +62
25.66

1959

156951
1263

44.657 +2.0 26.11 1939.29 95.34
-16
.641 697 -4 199960 2632 +17
1394 +.245 199 961 25.94
396
51.4
1357

25.82
-.16 47.7
54.1

44.753 +0060 -014 25.78 1956.05
0 +0061 -014 +8
+0723 25.70

3.55

+076 -016

+0062 ±33 −023±3.1

+0060 −010

46.02

45.067 1901.0 −37 46 19.94 1897.6

−304

44.763

+1.21

18.73

44.994

−16

.978

19.43 1939.29

+17

19.26

45.045

+.282

133
66

46.4

19.22

0.49

95.22

47.6

50.0

45.111

0

19.26 1955.93

+8

19.18

0.000*

3.000*
46.800*
-37.000*
-46.000*
0.076*
-0.016*
3.550*
51.286
16.000

0.088
0.310

385
59.0

+0015 ±5.0 -028 ±5.6
+0022 -022

24155 3 48.5 +12 54 6.2 B9 +16.36

2205

4643 29.060 1893.3 +12 53 47.64 1896.0

-085 1.51

28.975 49.15

29.066 1933.8 48.26 1933.3

23 4

.089 191 9.00 32. 48.30

064 1928.15 48.33

5.839 14.99

23.180 34.58

+.089 -.82

250 19 49.57

37 -1.28

.056 34.0 40.7 48.29

+18 +17

.074 49.46 1940.05 33.8

29.030 48.18 37.8

-2 +5

028 48.23

+21°535

1185 3 47.0 +2206 (+0.52) B7.III

23956 6.07 -0.02 -0.33 G2 09p

Pluvialis

+025 100 620 2746 G2

108 615 2920

±2.5 216 .07 5.75

834 5.55

-17 +00091 -0345 22 +0.2

13 +8

13 = +0.8

00104 -0337 -0.15 V0 5.95

-10 -20 -0.45

Hy Mu

+00094 -0317 Wolff-Lu

-0130 24 +5.4

+013 -034 5.7 3.8

+22

+14

-34

6.20

+5.4

+0013 53.6 -037±3.2

58.397 15042 3730 15029