+20.1080-2078 19 56.5 +19 42 198

20 0 42.1 +19 57.99

ML-AL +185 -012 10.2 10+7.

-14° 2002 -116 19 56.9 -13 51 814

20 2 12.7 -13 34.89

McC-AC +.126 +.034 11.2' MO +9.3

+6°.4450 −20 1.2 +6 16 328

20 5 51.6 +6 32.58

AmcC-AC +0.164 +0.181 10.0 K8 +7.5

141408

GC27942

W1252

Y4782

-36013440

5.3 11.59"

7703

+118 -56 +47 .140

+118 -53 +49 .154

+118 -50 +51 .171

R-I = +0.37

20 07.9 -36 14

5.31 +86 +1.95 3.24"

5.30 +0.87 - K3 V Cape

+0372 -1570 N30

+0375 ±2.6 -1.565 ±2.5 60 → N30

5.37+87 1455

4.91+35

1453

+0324 -1567

+0372 -1572

+0374 -1570

4527

+452 -1572

131.2 d 24

-130.5 C(4)

-131.8 C(2)

-131.6 W(3)

-128.9 303C, (6)

-130.7

-127.3

Cape mean +442 -1.554

+448 -1.557

+450 -1.570 N30

+450 -1.570

+387 -1570

5.1 -1570

572

-1570

-1.20

-1307

R.A.	:	20.100
DEC.	:	-36.250
PM. R.A.	:	572.000
PM. DEC.	:	%-1570.000
DISTANCE	:	-1.200
MODULUS	:	6
RAD. VEL.	:	-130.700

q1 (U)	:	0.513
q2 (U)	:	-0.029
q3 (U)	:	-0.858
dU	:	1340.590
U	:	119.830

q1 (V)	:	0.185
q2 (V)	:	0.980
q3 (V)	:	0.077
dV	:	%-6887.0
V	:	-49.694

q1 (W)	:	-0.838
q2 (W)	:	0.19
q3 (W)	:	-0.50
dW	:	%-3306.
W	:	47.39

-7°5223 20 6.7 -7 42 815

20 11 48.1 -7 24.75

McC-AC +.011 -.259 10.10 MO +8.0

+77.767 20 15.4 +77 16 66

20 12 ~~33.8~~ +77 33.81

W 12612

-2C 3w
dMO

MC704.16 +181 +016

+0.189 +0.014

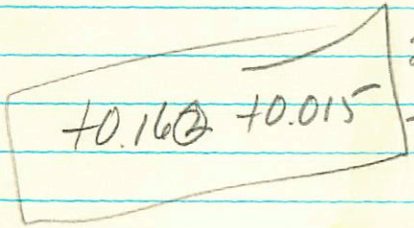
10.7M0

+6°4489 20 9.8 +6 29 817
20 12.1 +6 38
20 14.5 +6 46.58

47
23
27.6
18.5
-51.0 10CW

McC-AC +.162 +.015

9.4: K8 7.3



82
9.0
56

817.000*

20.000*
14.500*
6.000*
47.000*
0.160*
0.015*
2.350*
29.512
-48.500

0.449
-0.628

43.687

0.169
0.731

-30.473

-0.592
-0.267

-4.518

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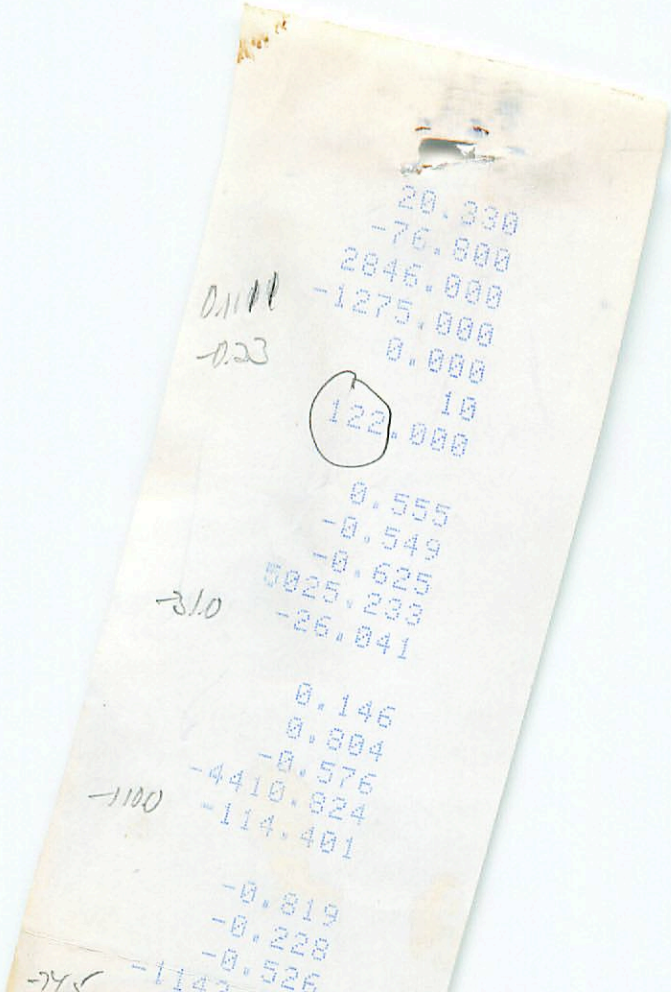

20.330
-76.600
2846.000
-1275.000
0.000
10
122.000
0.555
-0.549
-0.625
5025.233
-26.041
0.146
0.804
-0.576
-4410.824
-114.401
-0.819
-0.228
-0.526

LFT154

20 216 -76 50 +12:AE

L46-96

152.4 1.430

651 1.273

2862

1273

1.30

+12V

R.A.	:	20.350
DEC.	:	-76.850
PM. R.A.	:	2862.000
PM. DEC.	:	%-1273.00
DISTANCE	:	1.300
MODULUS	:	18
RAD. VEL.	:	122.000
q1 (U)	:	0.558
q2 (U)	:	-0.546
q3 (U)	:	-0.624
dU	:	5020.330
U	:	15.201
q1 (V)	:	0.142
q2 (V)	:	0.804
q3 (V)	:	-0.577
dV	:	%-4414.28
V	:	-150.684
q1 (W)	:	-0.817
q2 (W)	:	-0.233
q3 (W)	:	-0.527
dW	:	%-1115.68
W	:	-84.602

LFT 156 20 23.8 56 36 46 : 0E

L 210-70

161.4 1.283

409 1216

743

1216

1.5

46 :

R.A. :	20.400
DEC. :	-56.600
PM. R.A. :	743.000
PM. DEC. :	%-1216.00
DISTANCE :	1.500
MODULUS :	20
RAD. VEL. :	6.000
q1 (U) :	0.567
q2 (U) :	-0.290
q3 (U) :	-0.771
dU :	2773.518
U :	50.715
q1 (V) :	0.134
q2 (V) :	0.956
q3 (V) :	-0.262
dV :	%-5249.63
V :	-106.314
q1 (W) :	-0.813
q2 (W) :	-0.045
q3 (W) :	-0.581
dW :	%-1315.05
W :	-29.725

+64°1452 20 33.1 +64 28 822
20 33.8 +64 38
20 34'5 ~~28.2~~ +64 48.00

216 1050 GCI

Green. Refr. +.292 +.040

15" 6m = 4m

46
43
58

9.9 MO ± 8.0

821 20 37.0 +4 48

+404510

0.7

5m=1mm

AB 7.50 +1.22 +1.16 ③ +0.54 ①

-40

-40 S10 ?

196795 20 37.1 +4 48 dR6 −43.4 8w(8)

GL28771

W12436

¥4920

+1°04510

Abl Δz=1m

7.89 +1.22 +1.17 N5E R

+860 0535 075

+85 0577 0774

1.10 8625

89.3 [864 075]

+858 +085 Gc

+76 −19 −38 .054

+51 −24 −12 .100

+59 −23 −22 .08

+65 −20 −26 .07

+62 −22 −24 .075

48 A(16)

72 M(8)

52 Y(12)

47 R(10)

50 V(10)

54±5

+0578 +42 +0854.3
+0578 +067
+044
5.395 1894.0 +0576 +4 47 35.89 1890.9
3.214 -5.02
30.87
5.966 (5903) 36.50 34.64 1936.59

+4°4510 20 32.3 +4 28 821
20 38.6 +4 37
Y 4920 20 37.01,8 +4 48.09
Dble (Kuiper), d = 0.″7
Δm = 1.0 mag
48 A(16) 7.89 +1.22 +1.17 I25ZR -43.46 8W
72 M(8)
HD 196795 514(12) 7.91 +1.22 +1.14 K d 1″6
W 12936 674/K(3)
50 V (10)
G.C. 28771 +.858 +.085 8.3: K8 +7.9
+0.″056
GG1 082 KGOS
+0.862 +0.078 84.5 1.5 7.75 7.18 +0.54 maj?
8417 2016 6.80 6.07
862 +7

521.000*

20.000*
37.000*
4.000*
48.000*
0.862*
0.078*
1.500*
19.953
-39.500

2.666
-0.591

76.529

0.649
0.720

-15.515

-3.050
-0.363

-46.514

-21°5811 20 35.6 -21 52 823

20 41 6.8 -21 31.51

McC-AC +.091 -.283 10.2 : MO +8.7

20" $\Delta m = 2^m$

+10° 4385 20 42.4 +10 52 825
20 44.7 +11 3
20 46 57.2 +11 13.15
47.0

ADS 14333; d = 0".8
Δm = 0.0 mag.

-4.6 10cm

Jale Zone +.210 -.125

9.32 +1.09 +0.48 9.4 K8 +7.3
V R R-I
9.30 8.58 +0.43

-7 +2 +2
+232 -174 (61)

+0.203 -0.121 7.7 2.75

+206 -124

8.20
7.6
835
56

825.000*

20.000*
47.000*
11.000*
13.000*
0.203*
-0.121*
2.750*
35.481
-7.700

0.268
-0.501

13.351

-0.280
0.796

-16.053

-1.051
-0.339

-34.685

822

+640452

9.4 MC

10.23 +1.18 +1.07 (2) +0.45 (1)

825 20 47.0 +11 13

+10°4385

AB 9.32 +1.085 +1.00 (B) +0.44 (2)

AGS14333

0.8

Δn=00

-7.7

+30°.4155 20 37.9 +30 47 331

20 41 47.5 +31 7.64

Dbl: d = 4".4
Δm = 3 mag.

-17.7 (1)

McC-AC +.015 0.000 10.0 K8 +7.9

* Prob. is Espin 366 = ADS 14230;
Espin orig. identified it as BD +30°.4159.
Latter appears single on Bjerkoteskys Mahler plates.

+67°7346 20 44.8 +67 25" 826

20 45 48.7 +67 46.21

McC-AC -.013 -.044 10.7: K8 +7.4

Devon?

+10,440 9 20 48.3 +10 43 54 6 9

20 50.6 + 20 52 95 4.9 +11 4.75

+8.5 2 Myers

22 ±10 VV

9.30 1.70 55

Not dwg

Not dwg

McL-AL -OM -024

8.900

-003 -014 VVR 9.28 +1.68 +1.84 1 Myers

+0.84 1 Myers

+56 2471 20 37.9 +56 54 68

20 40.3 15.2 +57 14.56

4440

W12976 31 mm 034±016 VV Mb — -15 C 2W

-234 2444 dMO

940 60

8.50

wolfpro

10.5-MO 8.2

McC724.1 +096 +202

+0.104 +0.207

9861 3515 5697 4076 0410 0253 2.98

+101 +304 VV

188 208 2.15 234

2.15

R.A.	:	20.650
DEC.	:	57.250
PM. R.A.	:	188.000
PM. DEC.	:	208.000
DISTANCE	:	2.150
MODULUS	:	27
RAD. VEL.	:	-23.400
q1 (U)	:	0.610
q2 (U)	:	0.790
q3 (U)	:	0.067
dU	:	1072.647
U	:	27.306
q1 (V)	:	0.091
q2 (V)	:	-0.153
q3 (V)	:	0.984
dV	:	-107.420
V	:	-25.916
q1 (W)	:	-0.788
q2 (W)	:	0.594
q3 (W)	:	0.165
dW	:	205.739
W	:	1.670

+17°533-461 20 53.8 +16 50 829
20 56.0 +17 1
20 58'211/9 +17 12.29

McC-AC -.075 -.179 9.9 K8 +7.1

−1°1397-20	20	54.2	−1	2	830
	20	59 5.2	−0	39.65	

Mol 905 +.18 −.15 10.7 MO +8.9

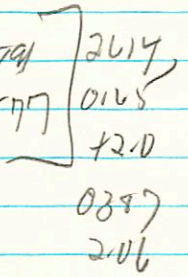
-33°15343 20 52.7 -33 5 828

20 58 33.1 -32 42.75

21

McC-AC +.240 -.105

10.5 : M0 + 8.7



2/8/13 20 8:52 +22 no.4 -32.1

20.9
+22.15

826
-175
1.4
-32.1


20.900
22.150
926.000
-175.600
1.400
15
-82.100
0.649
0.669
-0.361
1799.707
45.892
0.047
0.439
0.897
-191.956
-32.383
-0.759
0.600
-0.253
-8249.990
-53.801

832

+70°1157

9.38 +1.12 +1.05 (2) +0.44 (2)

+70° 11 57 | 20 59.0 | +70 7 | 832
20 59.3 | +70 18
20 59'74 9/4 | +70 29.62

830
7 7
7 4

Green. Arch. +.140 -.042 | 9.9: K8 + 7.3

ראש השנה תשפ"ו

ש"ק ויצא יעקב מבאר שבע ויילך חרנה

ד"ה

ס"ו

+24°.4329 21 1.6 +24 36 333
21 3.7 +24 48
21 5.847.1 +24 59.04

-9.1 10cw

IncC-AC -0.021 -0.160 9.8 K8 17:

2.5
-4.8 682
-0.021 -0.160 637

333.000*

21.000*
5.800*
24.000*
59.000*
-0.021*
-0.160*
2.500*
31.623
-4.800

-0.577
-0.297

-16.822

-0.299
0.919

-13.881

-0.403
-0.258

-11.509

$\frac{1}{2}$ 5000 + 2½ 5

9.8 + 7.4 South Dakota

Dakota + 8.4

8.4

W1106

21 06.7 45 32 -240

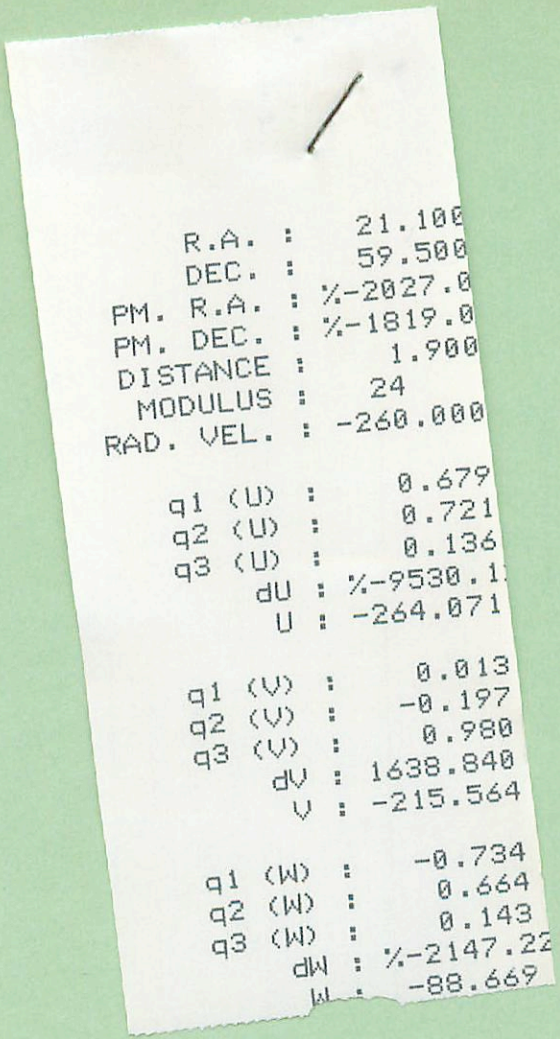
-1024-1815

-2027

-1815

-45

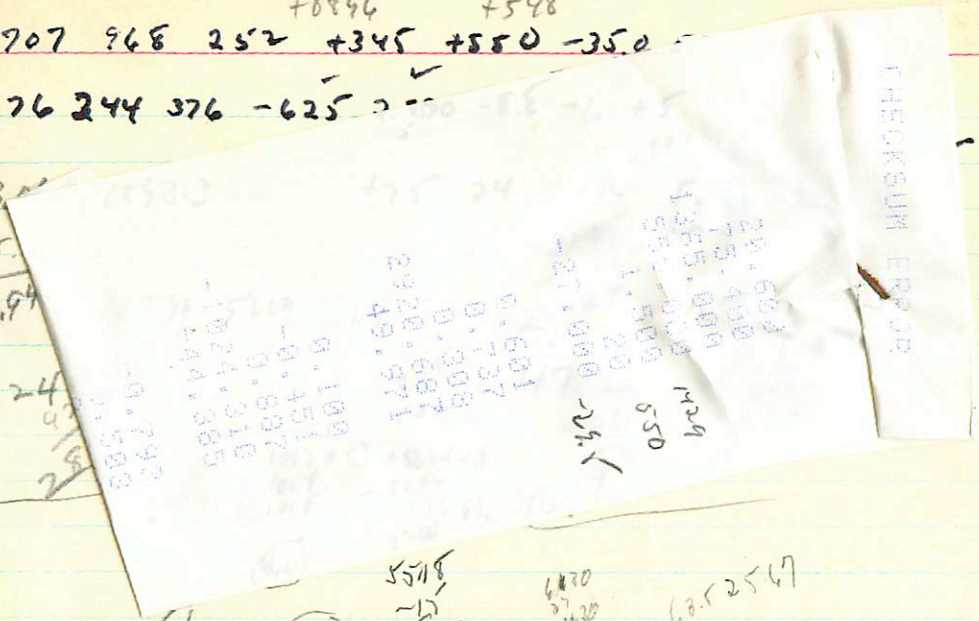
-240


R.A. : 21.100
DEC. : 59.500
PM. R.A. : %-2027.0
PM. DEC. : %-1819.0
DISTANCE : 1.900
MODULUS : 24
RAD. VEL. : -260.000
q1 (U) : 0.679
q2 (U) : 0.721
q3 (U) : 0.136
dU : %-9530.1
U : -264.071
q1 (V) : 0.013
q2 (V) : -0.197
q3 (V) : 0.980
dV : 1638.840
V : -215.564
q1 (W) : -0.734
q2 (W) : 0.664
q3 (W) : 0.143
dW : %-2147.22
W : -88.669

+0503 ±4.1 +557±4.1
+0896 +548

-707 707 968 252 +345 +550 -350

244 376 244 376 -625



VW Cep 20 38.1 +75 25 -3 sc Md(10)

197433
GC28804
W12953
Y4537
+75°0752

+43 -53 -4 .050

+341 +557 Gc
+352 +531 GA2
+345 +550

+344 +555
40b

AS

dG-sdG5

+74/889

3 Rectified

52±9