

Pass 474

13

16.3

-2

49

+125,250.8

15

Value paid for
value for
by value

10.86 + 1.01 + 0.005

+0.70

you subtract before

$$S = 15 \cdot 0.63 \cdot 2530$$

S=0

10.77 + 1.02 (2.12) 3644 u

group
Mans

val K5 G

following

-640 ÷ 110

5.81

-803

+466

-106

+24360

-2424

+587

+728

+503

-17807

-106

-354

+858

+3216

18

PD. VEL. : 128.000
 MODULUS : 21
 DISTANCE : 1.448
 PM. DEC. : -108.000
 PM. R.A. : -48.000
 DEC. : -2.000
 RA. : 18.200

p1 (U) : -0.002
 p2 (U) : 0.448
 p3 (U) : -0.397
 q1 : 5186.200
 q2 : -0.000

p1 (V) : 0.000
 p2 (V) : 0.758
 p3 (V) : -0.758
 q1 : X-2004.80
 q2 : -0.000

p1 (M) : -0.100
 p2 (M) : 0.200
 p3 (M) : 0.000
 q1 : -21.400
 q2 : 102.200

21

R.A. : 13.250
DEC. : -2.800
PM. R.A. : -646.000
PM. DEC. : -138.000
DISTANCE : 1.640
MODULUS : 21
RAD. VEL. : 126.000

q1 (U) : -0.805
q2 (U) : 0.466
q3 (U) : -0.367
dU : 2156.799
U : -0.366 *J*

q1 (V) : 0.585 ✓
q2 (V) : 0.728
q3 (V) : -0.358
dV : % -2264.80
V : -93.283

q1 (W) : -0.100
q2 (W) : 0.503
q3 (W) : 0.859
dW : -21.492
W : 107.723

Y8

M. 12.4 15.5 16.4
and 16

SD

CC770 13 16.4 -0.2 YF 21K5 212G2

w7913 647 2.97 9.8 10.86 +1.00 +0.70

Row 154 10.355 10.86 +0.99 +0.77 2.5m

10.77 +1.02 2.123 mic bin .64 268 lower

34V(7)

44C(5)

4.0 0.87 PL

43 37V 44 22.94

-0.64 00

3.58

10.82 +1.00 +0.70 2

10.27 +0.83 (5)

44V ~ 0.2

-0.67 -0.33 bin

436

986

926

6 71

(1.7)

-6.53 77

-6.37

-6.40

-6.02

104

FOR

2.4R

-0.22 C-

-1.84 L

-640-120

-653 -104

-494

-327 -945 0 / -47 -23 +126 0 0 -1000

-214 0 633 0 -1.084 3.000 +126 -119 -41

034

-1.014 2.923

-153 +59 -36

+21 -130 +106

-171 +109 -54

+47 -73 +101

024

028

-13 49 9

-68 -27 -14

134 -9 -9

-1492 -10

-75 -51 -21

170 -17 -13

-152 +56 -16

03

+28 -109 +115

-169 +105 -24

02

+67 -144 +110

-144 +112

6

0.000*

13.000*

16.400*

-2.000*

-48.000*

-0.640*

-0.120*

4.000*

63.000

126.000

2.55

325

0337

236

2.170

-0.372

~~10~~

+17.3

+24

90.056

89.74

-2.194

-0.354

710

714

-183.080

-183.33

0.035

0.858

19

+1095

+ 109

110.327

110.93

W 7913

13 16.4 -02 48 2115 +126 C

+123.4 W(3)

+126 M(2)

+125.2

73044

N 481

-653 -104 core

-674 -230

-67 -23 C

-8 -96 1105 .05

163 253° AH

681

440(7)

446(8)

43±8

-327 -945 -049 599 -67 -23 +126.0 011 -6 -1.050

-219 004 633-010 -990 3.015 +125.9-119 -41

-139 +19-25 05

-5-96 +105

700 inc

3044.0 18 16.4 -248

985
578 > 45
923

Row 454

506.1
b(10¹) + 0.95
b(10⁻¹⁰) + 0.31

174
880 454 234
1/8

?

10.85 + 100 + 0.68 0.043 1.83 + 1 - 95 + 122
10.23 + 0.42 3.5 15 + 8.45 + 22 - 22 + 1

965
925
1624



13 1624 -2 45.5

1767 (15) Sunday

Pass 484 13 16.4 -2 48 2/11/15

~~644-25~~
14-75

10.86 + 1.01 + 0.20 ⁽⁷⁾ Savings

10.24 + 0.43 ⁽⁴⁾

9.87

9.96 ✓
9.36 -
6.65 ^{subtracted}

OB YPU

126.06

" -635 -118 G'

-655 -105 766

-640 ~ 20 Eichen (1)
~~640~~
-642 -185 2000

-645 -112

645

646 -112

647
648
649

0414

1.47

+6.4

-9.20

+10.72

20



0.000*

13.000*

16.400*

-2.000*

-48.000*

-0.635*

-0.110*

2.600*

3355 ²⁶⁵ ~~327~~

33.113

124.000

2.173⁷⁴

-0.372

23 24.345

-2.146

-0.354

708

-114 -114.988

0.057

0.858¹⁷¹⁶

20

+109 109.7935

484.000*

0332 ✓

13.000*

2.34 ✓

16.400*

0332 ✓

-2.000*

-48.000*

-0.640*

-0.120*

2.6

2.650*

✓

32.85

33.884

124.000

2.170

-0.372

14.2 ✓

119.2

25

27.402

-2.194

-0.354

-110.0

-110.0

-116

-118.276

20

0.035

0.858

+107.4

107.4

108

107.580

1205467

13 47.1

21 51

8965

21.3481

242 907

8.16874 022

120

2262 499 Conch

1757-494

25

1683

824 120

494

579

396

R.A. : 13.800
DEC. : -21.850
PM. R.A. : % -1893.000
PM. DEC. : -494.000
DISTANCE : 0.480
MODULUS : 12
RAD. VEL. : -39.600

q1 (U) : -0.747
q2 (U) : 0.279
q3 (U) : -0.603
dU : 5569.453
U : 93.356

q1 (V) : 0.625
q2 (V) : 0.604
q3 (V) : -0.495
dV : % -6618.553
V : -62.963

q1 (W) : -0.226
q2 (W) : 0.747
q3 (W) : 0.626
dW : 134.073
W : -23.102

21

(8)

14 17.0 - 64 55

125455

43005

504 14

518
440

-640 -180

Attentive

422-125

-631-125

95-

122

125

136

90

515 210

(A)

407

956

with 5

-10
1000?

(10) 9

1000

R.A. : 14.300
DEC. : -4.900
R.A. : -631.000
DEC. : -125.000
DISTANCE : 1.380
MODULUS : 19
VEL. : -9.000

q1 (U) : -0.681
q2 (U) : 0.435
q3 (U) : -0.589
dU : 1772.705
U : 38.768

q1 (V) : 0.650
q2 (V) : 0.729
q3 (V) : -0.214
dV : % -2369.584

130552 19 48.8 24 06 65.5

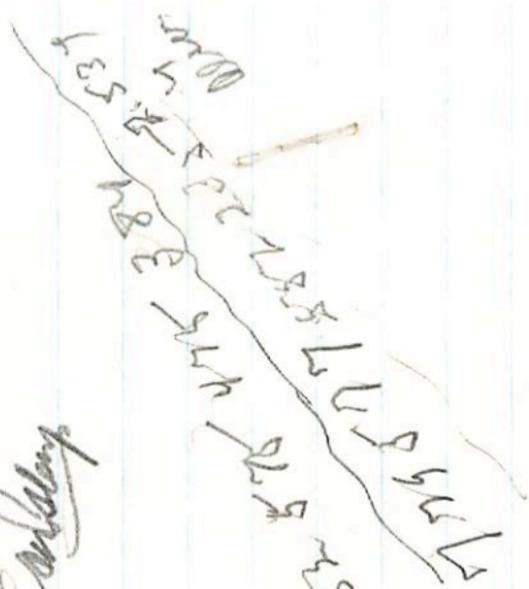
20 1140 782 495 389 1250

782 495 389
7688 423 Carlsberg

~442 ~423

301 101
250

7032 7824
423 684
782 782



1010
8004

782
782

R.A. : 14.800
 DEC. : -24.100
 1. R.A. : $\% -1032.000$
 1. DEC. : -423.000
 DISTANCE : 0.840
 MODULUS : 15
 D. VEL. : ~~7.000~~
 u.s.

q1 (U) : -0.604
 q2 (U) : 0.183
 q3 (U) : -0.776
 du : 2329.853
 U : ~~41.286~~ *86.09*

q1 (V) : 0.664
 q2 (V) : 0.653
 q3 (V) : -0.363
 dv : $\% -4276.307$
 V : ~~59.692~~ *79.19*

q1 (W) : -0.441
 q2 (W) : 0.735
 q3 (W) : 0.516
 dw : 493.811
 W : 2.629
 u.s.

23

23

726 B Sp Δ Orbit 14 54.4 -21 09 Rev 138 249 441

8760.6

B 308.2 d

+03 -20°41'23"/s 29p 5.80 +1.11 206 748 5 4 P.L.E +0.41 500

11570 573 7.51 +1.50 +1.20 2 0.79 520

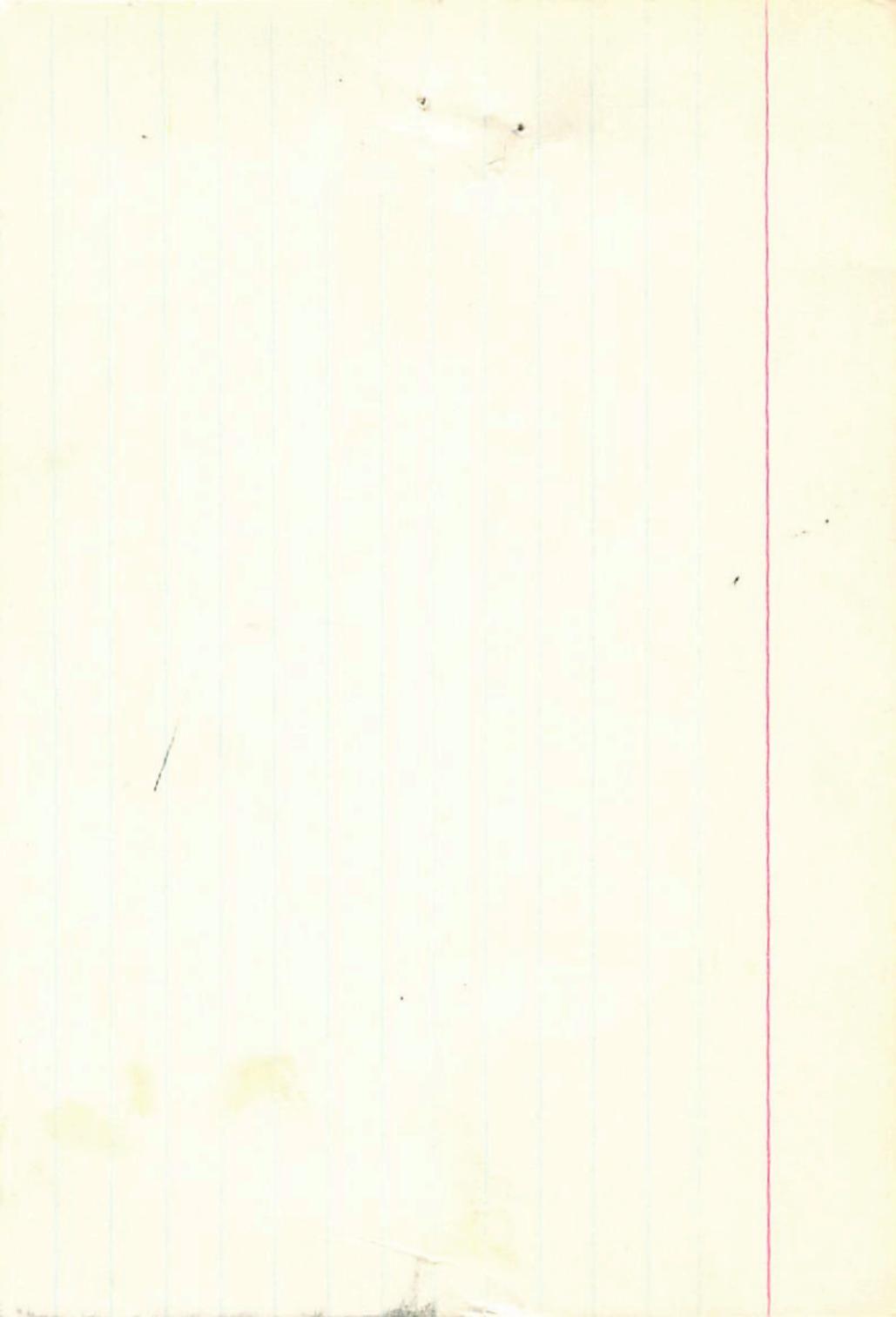
1089 10721 1663 1663

1082-1083 1/8 36

1009-1663

227.9 B 25.0

16.74 -0.76



-20°4123	14	49.0	-20	46	726
-20°4125	14	51.6	-20	58	
Y 3375	14	50.425.0	-21	9.01	

ADS 9446; $d = 20''$ binary
 $\Delta m = 2.5$ mag.

Lalande 27173	200 M(12)
HD 131976	155 Y(12)
HD 131977	158 C(8)

5.66 +1.14 +1.08 JIK +25 C 3W dM2 +25.1 case

5.80 +1.11 +1.06 JIK +19.51 3W dM5

Rel. parallax is mean for 2 comps. in each case.

G.C. 20111	+0.975	-1.672
G.C. 20113	+1.041	-1.745

+1.040 -1.740
 +2.60
 -1.25

Get name
 8.8: M2 +9.8
 5.9: K8 +7.4
 +0.173

18 06.0	251.4	9.4	Maggi		
1878.36	290.8	15.33	4 β	479	5.20 +0.42
1880.96	290.4	15.26	7 β	55	7.01 +0.89
1905.30	295.4	17.30	3 β	423	} N
1911.28	296.3	17.71	4 β	55	
1914.13	297.0	18.12	5 =		
1925.34	298.4	18.13	5 =		

201





726.000*

14.000*

54.400*

-21.000*

-9.000*

1.040*

-1.740*

0.500*

Handwritten notes on a small piece of paper at the top of the page, including a signature.

R.A. : 14.288
DEC. : -21.120
M. R.A. : 1002.000
M. DEC. : N-1243.000
DISTANCE : -1.800
MODULUS : 4
D. VEL. : 30.000

d1 (U) : -0.537
d2 (U) : 0.217
d3 (U) : -0.280
dU : N-4328.000
U : -42.227

d1 (V) : 0.400
d2 (V) : 0.477
d3 (V) : -0.313
dV : N-2882.120
V : -12.228

d1 (W) : -0.481
d2 (W) : 0.208
d3 (W) : 0.242
dW : N-2882.314
W : -12.204

R.A. : 14.900
DEC. : -21.150
M. R.A. : 1009.000
M. DEC. : % -1663.000
DISTANCE : -1.800
MODULUS : 4
D. VEL. : 30.000

q1 (U) : -0.587
q2 (U) : 0.217
q3 (U) : -0.780
dU : % -4326.099
U : ~~-42.287~~
~40.45

q1 (V) : 0.666
q2 (V) : 0.677
q3 (V) : -0.313
dV : % -2369.120
V : ~~-48.788~~
~19.09

q1 (W) : -0.461
q2 (W) : 0.703
q3 (W) : 0.542
dW : % -7596.314
W : -16.904
~18.36

24

6.89 501471-210 484 416
2.62 506412-153

137763
137778

15 25.5 -9 11 6.8 dvl 42c
20785 20783 10044 384 357 ~~Carbonyl~~

8937 8936 4086 +0050" -358" 1030

64±8 052

+0046±3.8 -357±3.2 66 → 1030
-31 +04
-912 ± 113 +033

106285 514 -31 +033
-072 ± 32 +103

11544

106285 514 -31 +033
-912 ± 113 +033
-072 ± 32 +103

DMN e m...
-358 85C 1.2 75L
535 445 284 255

2-69 894 +7.3

894 +7.3
83
-357
144
+20

523 487

11 6.8 dvl 42c
52 7.8 dms +7.3

52 7.8 dms +7.3

1030

106285 514 -31 +033
-912 ± 113 +033
-072 ± 32 +103

535 445 284 255

83
-357
144
+20

+7.5 dms
+7.2-5

+7.5 dms
+7.2-5

+7.8
83
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10154 - 0357

Canon

458 - 0352

10256 - 0354

083 - 0354

28

11.5M

+300	+168	-939	+4721	-2732	+1989	+342	+319
+353	+895	+272	+5555	-14551	-8996	-19.5	-9.2
-886	+413	-210	-13443	-6714	+20657	-137	+7.0

Q1 (M) : 0.636
Q2 (M) : 0.392
Q3 (M) : -10.427
MP :
M : -2006.544

Q1 (U) : 0.650
Q2 (U) : 0.751
Q3 (U) : -0.116
QU : -322.187
U : -9.424

010 5V9 361 41 Aug - 60 77 - 72 24 Feb -

145417 14
7.8-520 3520302

145417 14
7.8-520 3520302

5

73669

687(12)

55L(20)

72L(8)

73

50

151

11.3

7.52 + 0.84 + 0.24 ③

7.20 + 0.32 ⑥

6.866

6.416

6.56

6.41

6.41

6.41

6.41

6.41

6.41

6.41

6.41

M(I) 71(1pt)

+ 6.8
6.48

6.48 5.14 0.85

473 157

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

5.16 0.85

1615

21424

0.650

0.603

0.603

1615

21424

0.650

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27

R.A. : 16.150
DEC. : -57.450
PM. R.A. : % -1615.000
PM. DEC. : % -1424.000
DISTANCE : 0.900
MODULUS : 15
RAD. VEL. : 9.600

q1 (U) : -0.347
q2 (U) : -0.417
q3 (U) : -0.840
dU : 4245.463
U : 56.194

q1 (V) : 0.646
q2 (V) : 0.543
q3 (V) : -0.550
dV : -0.550

766

16 25.6 +7 27

+703180

888 +1.22 +1.20 ②

+0.508②

-4762-257 Condensing

2241-257

-257

-257

1.22
4828

-32.2

286

R.A. :	16.400
DEC. :	7.450
PM. R.A. :	-240.000
PM. DEC. :	-249.000
DISTANCE :	1.180
MODULUS :	17
LEVEL :	-32.800
	0.294
	0.06

R.A.	:	16.400
DEC.	:	7.450
R.A.	:	-243.000
DEC.	:	-257.000
DISTANCE	:	1.220
MODULUS	:	18
VEL.	:	-32.800
Q1 (U)	:	-0.294
(U)	:	0.586
	:	0.755

22603

-0117#120
-0090

-035-15.0
-036

151337 16 45.3 -47 38 7.38 40.91

120 2 129.450.8
C(14)

22603

16.229 1903.6

AMB:

-47 37 52.64 1902.9

1.65

601444 -228
736

50.99

736

601444

-0997 6325.132
51.365

386

1927.81

9.59
-44.35

8135

16.4909

80
425

1920
55.94

485

59.3

1578
1569

52.11
52.11

52.11
52.11

136
136

144
167
1.26

16.292
11
81

103

51.87
52.87

1956.54

52.94

29

R.A. : 16.700
DEC. : -47.650
R.A. : -144.000
DEC. : -37.000
TANCE : 1.260
DULUS : 18
VEL. : 29.400

1 (U) : -0.228
2 (U) : -0.299
3 (U) : -0.927
dU : 157.326
U : -24.433

11 (V) : 0.615
12 (V) : 0.694
13 (V) : -0.375
dV : -404.364
V : -18.252

q1 (W) : -0.755
q2 (W) : 0.655
q3 (W) :

623
524

0617 7194
A 973 733229 046
17 02.4

154363
-922-1144

GC23043
W9850(640)

1142
1142

DM1 -1142
-9B -1142
-04 59 dmo +28.5646

7.74 +1.16 +1.05 +1.52

43978(800)

1142

DM3 +20.2 W(13)

10.07 +1.44 +1.09 +1.52

-408225(60)

1142

599 (12" + 4")

7.77 +1.15

0 = wof 636 18 187"

1142

-529 -1.130 60

10.10 +1.35

1.20 1.23 -071

1142

-95726 -1.135 564

7.73 +1.17 +1.12 } Mich
10.16 +1.46 +1.17 }

828

1142

-570
-1138

-544 -937
-1131

-71 719 -086

1142

266(18)
984(20)
60M(6)
87Y(12)
50Y(10)
9334

834(18)
927(12)
124(16)
9626
B

709 46 659
944 558 704

1142

0.138
0.138

-625 -1135
-1132

-934
-933 -1131

-0622 ± 3.2

-1.130 ± 3.0

-0642

-1.147

-0619

-1.137

26.975 1407.2

6401
25814 20770
6322 2156
3108 2299
1127
5866 1403.7

RF

2.462

6.34

+52.32

1124

29.637

2542

3617

9.30

6.34

143422

9.244

2542

3617

9.30

6.34

143422

196159

2542

3617

9.30

6.34

143422

27.908

2542

3617

9.30

6.34

143422

29.6

1470
735

42.17
0862

1369
36.8

27.644
657
-1.902

41.9
46.67
1438.87

33.1

657

46.72

33.1

44.31
-37.97

12.000	:	R.A.	:
13.000	:	DEC.	:
14.000	:	R.A.	:
15.000	:	DEC.	:
16.000	:	STANACE	:
17.000	:	MODULUS	:
18.000	:	D. VEL.	:
19.000	:	p1 (U)	:
20.000	:	p2 (U)	:
21.000	:	p3 (U)	:
22.000	:	UB	:
23.000	:	U	:
24.000	:	p1 (V)	:
25.000	:	p2 (V)	:
26.000	:	p3 (V)	:
27.000	:	UB	:
28.000	:	U	:
29.000	:	p1 (W)	:
30.000	:	p2 (W)	:
31.000	:	p3 (W)	:
32.000	:	UB	:
33.000	:	U	:

1000

off

R.A. : 17.050
DEC. : -5.000
1. R.A. : -937.000
1. DEC. : % -1131.000
DISTANCE : 0.350
MODULUS : 12
D. VEL. : 36.500

v/vv
0.00
q1 (U) : -0.150
q2 (U) : 0.407
q3 (U) : -0.901
dU : % -1516.170
U : -50.709

48.0
q1 (V) : 0.588
q2 (V) : 0.769
q3 (V) : 0.249
dV : % -6727.246
V : -69.946

57.9
q1 (W) : -0.795
q2 (W) : 0.493
q3 (W) : 0.355
dW : 872.588
30 W : 23.192

RAD. VEL. : 34.000
 MODULOS : 10
 DISTANCE : 0.000
 PM. DEC. : 1131.00
 PM. R.A. : 237.000
 DEC. : 12.000
 R.A. : 17.000

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 99 00
 100 00

R.A. : 17.050
DEC. : -5.000
PM. R.A. : -937.000
PM. DEC. : % -1131.0
DISTANCE : 0.000
MODULUS : 10
RAD. VEL. : 34.000

1014
003
q1 (U) : -0.150
q2 (U) : 0.407
q3 (U) : -0.901
dU : % -1516.1
U : -45.804

NSK
q1 (V) : 0.588
q2 (V) : 0.769
q3 (V) : 0.249
dV : % -6727.2
V : -58.803

6178
q1 (W) : -0.795
q2 (W) : 0.493
q3 (W) : 0.355
dW : 872.588
W : *207* 20.780

30

1. 1000
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R.A. :	17.050
DEC. :	-5.000
R.A. :	-916.000
DEC. :	1/2-1142.000
TANCE :	0.910
PLUS :	15
	00.000

41656 1489 7.28 546328 -224

154577 17 05.7 60 90 240 ± 0.89

43884 1088 7588 7112 504 282 143 140 ± 188 ± 1.0 9(4)

7015 588 + 0198

098 + 5824

564 12 1490 6 07114

4072 ± 7 + 592 ± 2 CR

133 + 123 1223

+ 607 ± 6 CP

188 + 1012

+ 599 - 500

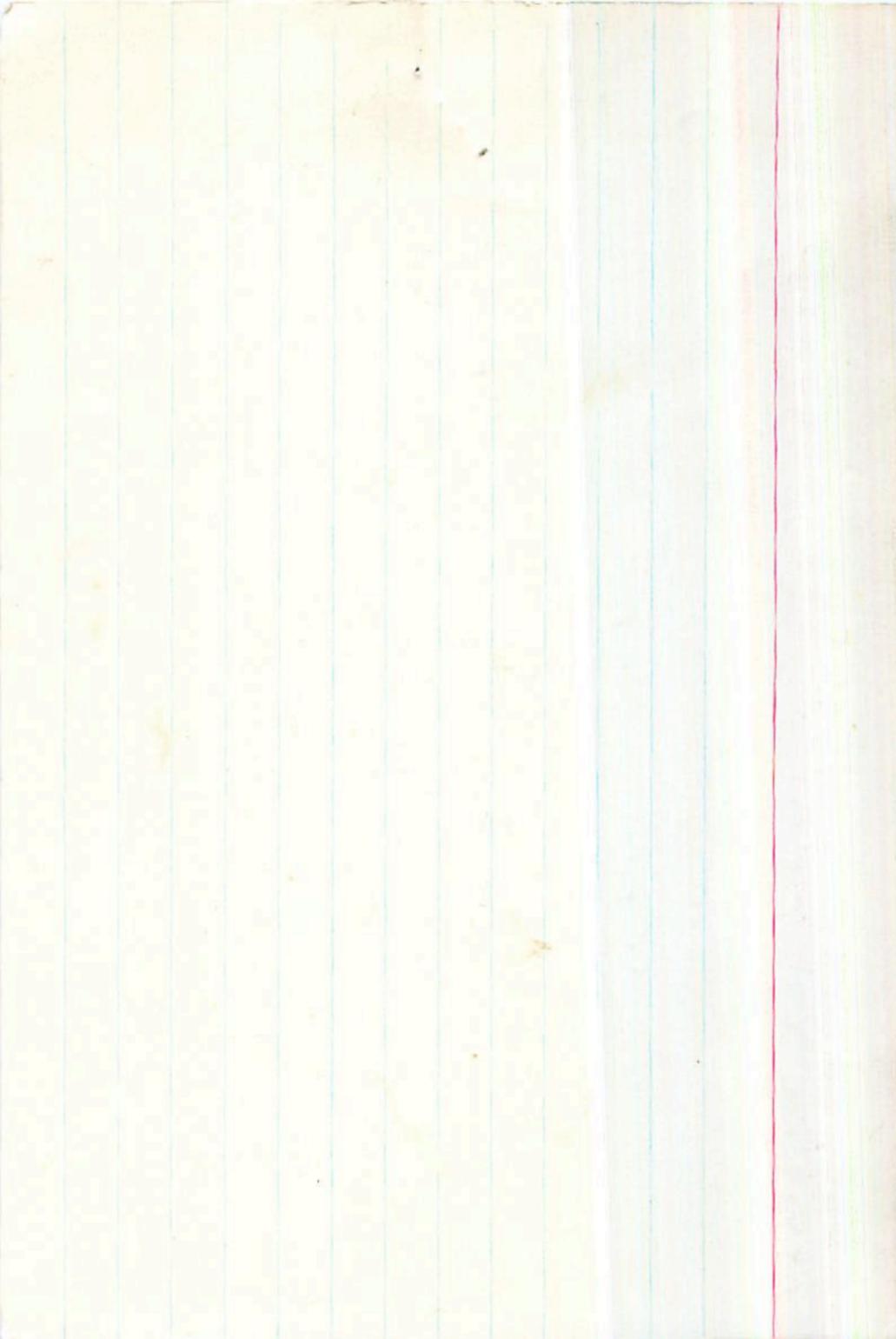
144 110 + 17

4072

111 4072 1093

728 0.510 0.391 0.224 10127 10114 10111 1011

-142 - 513 - 876	-0626	14784	-15410 - 2600	-33.4	-7.4
586 646 - 490	+ 2583	+ 18817	21400 + 36.1	+ 36.8	-43
-798 565 - 209	+ 3518	+ 16293	+ 1.2765	+ 198	-1.8



628 821 383
 154577 17 05.7 -60 40
 73884 MLVSL

567(12)
 686(19)
 59
 7.72 + 0.50 + 0.50 (2)
 2.01 + 0.335 (3)
 3.7
 4.67
 4.17
 4.24
 4.15
 5.01
 6(10-v) + 0.4
 6(11-6) + 21
 493 282
 504 342 393
 7.8 + 0.093 + 0.608¹²

MLI) 4 (pt)
 2526
 61.7
~~4.48~~
 1.49
 0.55
 0.50

21 ✓ W
 -33.4 + 31.8 + 19.8
 -15 + 21 + 13

7.72 + 0.50 + 0.50 + 1.15 - 34 + 32 + 20
 7.01 + 0.335 + 2.3 - 15 + 21 + 13

wed
 120 V
 4684

R.A. : 17.100
DEC. : -60.650
. R.A. : 133.000
. DEC. : 588.000
STANCE : 1.140
MODULUS : 17
. VEL. : 8.800

q1 (U) : -0.139
q2 (U) : -0.516
q3 (U) : -0.845
dU : % -1481.936
U : -32.488

q1 (V) : 0.584
q2 (V) : 0.646
q3 (V) : -0.491
dV : 1982.079
V : 29.187

q1 (W) : -0.800
q2 (W) : 0.562
q3 (W) : -0.212
dW : 1318.624
W : 20.424

31

31

156076 6634 17 13-2-26 27 10 28 F

434 539 236-222
603 224 536 050

764 172

655 558 303

5961

HELL-SEK

025-
hell-
-132-
-0-1

Am

531
hell-

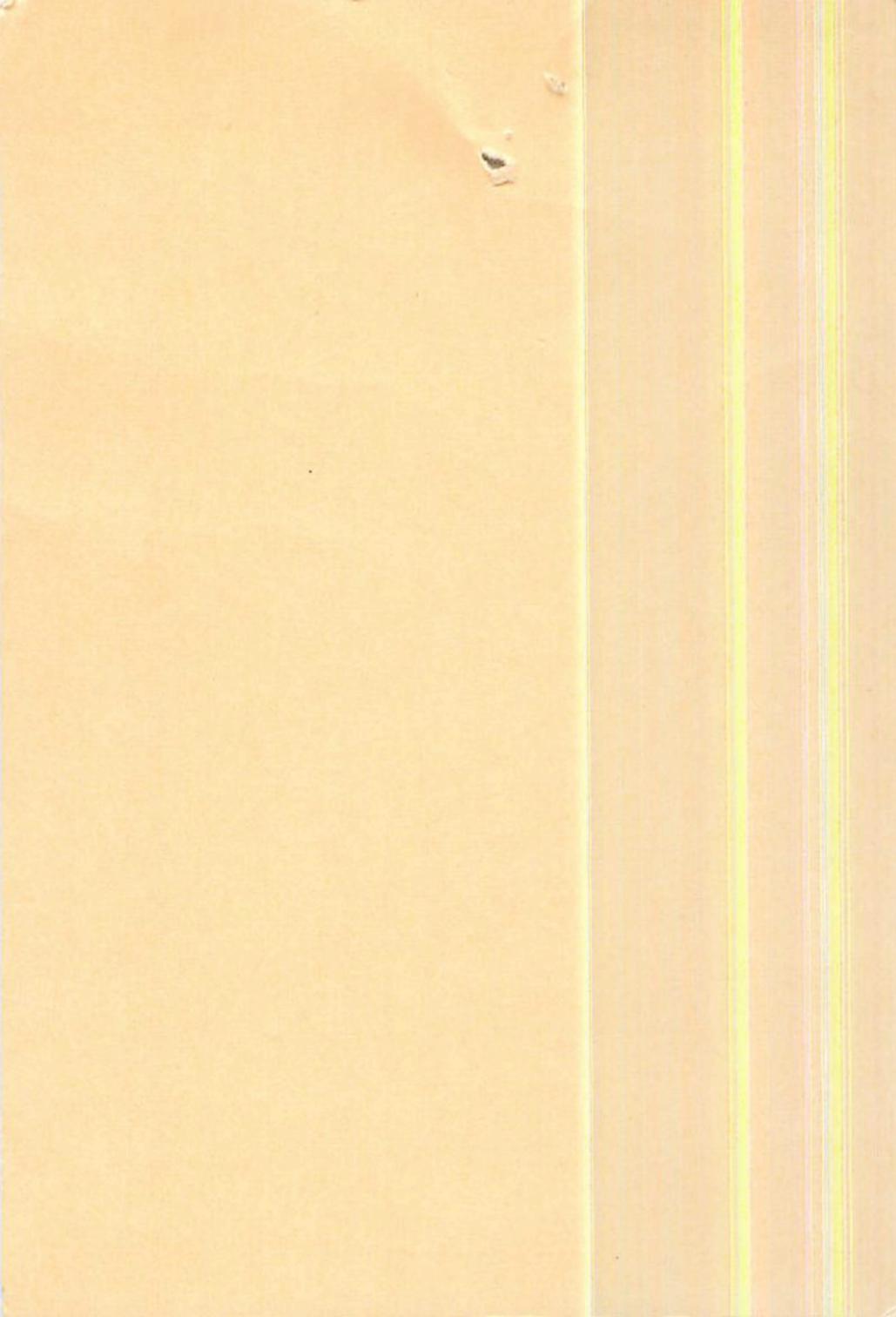
110

140

Am

Am

HELL-SEK



157851

17

23.3

+2

1.0

157851

673

7.83915179061

OK

6495 Tow 002 Bond -026467.5 -475 ± 6.9
548 215 02-47

166620 08.0 +38 27 6.4 0112 -18.7 8

24778 184 548 418-186

10624 58.018 1911.7 +38 274 274 274 274 274 274
1.011 409 294 19.33 499 4.3
Alman

10057 59.029 31.53
8.41 7.1 1925.6
50.305 15.60

1800 58.715 22.91 570.3
722 23.61 570.3
1719 23.13 570.3

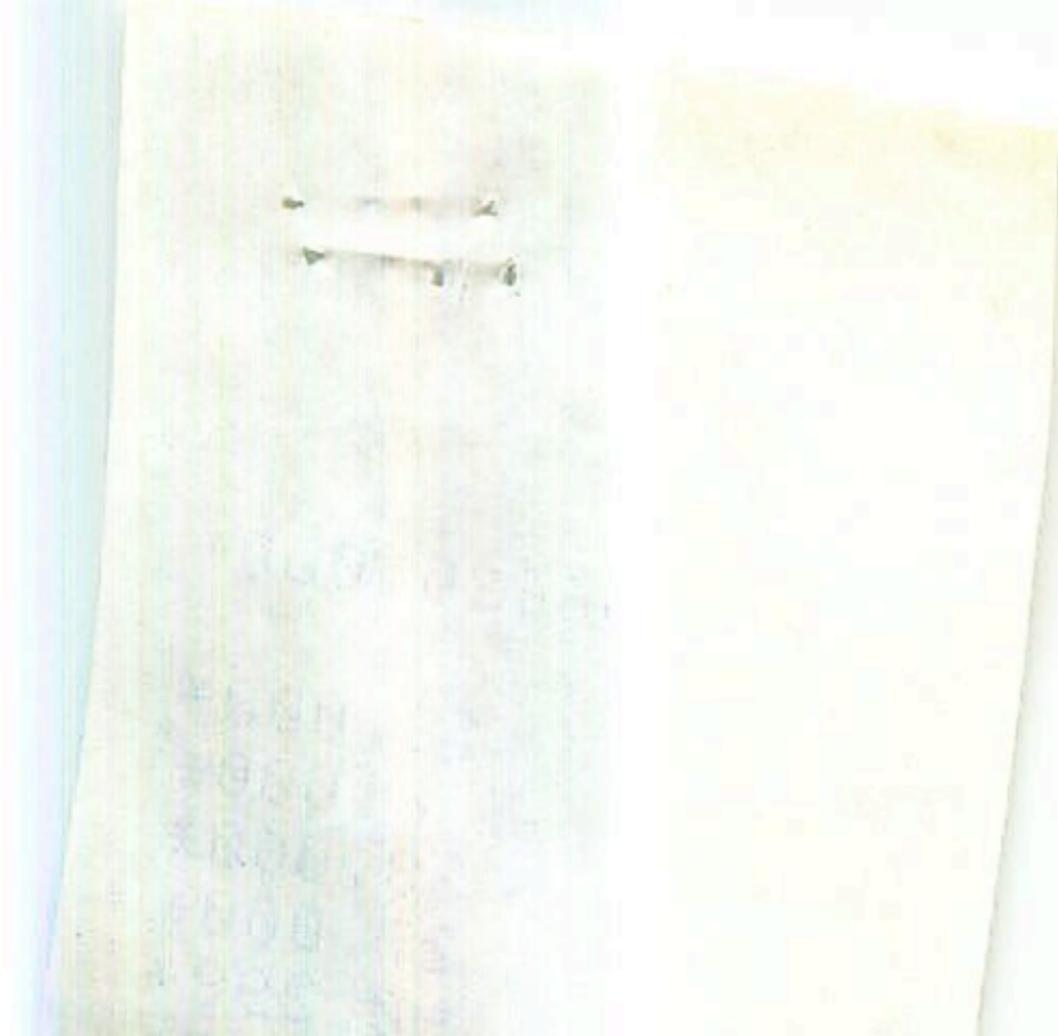
440500 324 715 -2254 -476 23.48
496 314 -4715 23.48
-18.7

248-462

64 24.4
864 24.32 15.1
15.60 24.70
24.91 7.21
25.01 25.10

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11
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22



166620.000*

18.000*

9.000*

38.000*

27.000*

10.298*

Handwritten text, possibly bleed-through from the reverse side of the page. The text is faint and difficult to decipher but appears to be organized into several lines or paragraphs.

Handwritten notes on the right side of the page. The text is very faint and appears to be a list or a set of instructions, possibly including the word "List" at the top.

166620.000*

18.000*

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38.000*

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-0.298*

-0.472*

0.600*

13.183

~~-10.700~~

-19.2

-2.195

-0.381

23

~~-21.819~~

-1.328

0.829

41

~~-33.007~~

0.648

0.410

42

0.871

0903
0.22 ✓
0868
0.31

~~18.2~~

30.2

52

-0.4

13/706
166620



18 08.0 +38 27

del
1P2 ~~18.7~~

74171

(+)

0270-457

6.38 + 0.88 + 0.54

(3)

~~19.2~~
~~19.2 20 P38~~

28
904(N)

317 457

5.98 + 0.34 564

n(7)

107M(6)

186 276

$\Delta(B-u) + 08$

+5.57

564

$\Delta(u-B) + 165$

-7 π (nt)

92

097

-405

-457

0.21

-19.2

0735

u v w

-15.5 -29.2 -1.0

-22 -13 +7

-0.302 -0.471

-187

+4.95 -22.1 -33.0 +1.1

237

71 (U)

R.A.	18.150
DEC.	38.450
R.A.	-405.000
STANDE	-457.000
DDULUS	0.210
VEL.	11
	-19.200

24

R.A.
DEC.

...

18.450
- 1.850
172.000
- 0.000

171627

18 339

-28 33

+247 layer

648 494 140

6.7.7

+0008 -131 Sunday

494

2756

4010-131

X-509

1.10.18 Edk

1111
1111

+11
+131

3526

4103 650 0.0m

111

6579 573

-131

0.46

+247

32

R.A. DEC. : 18.558
M. DEC. : -28.553
M. DEC. : 11.000
DISTANCE : -131.000
MODULUS : 0.480
D. VEL. : 13
M. VEL. : 24.200

P1 (U) : 0.152
P2 (U) : 0.012
P3 (U) : -0.231
D. : 1.497
M. : -24.200

P1 (U) : 0.403
P2 (U) : 0.281
P3 (U) : 0.888
D. : 332.404
M. : -4.232

R.A. : 18.550
DEC. : -28.550
M. R.A. : 11.000
M. DEC. : -131.000
DISTANCE : 0.480
MODULUS : 12
D. VEL. : 24.700

q1 (U) : 0.192
q2 (U) : 0.017
q3 (U) : -0.981
dU : -1.497
U : -24.258

q1 (V) : 0.423
q2 (V) : 0.901
q3 (V) : 0.098
dV : -539.994
V : -4.322

q1 (W) :
q2 (W) :

+20

19 072 - 47 14 14 14 14 14

178445
-147-12073
21 247.3

609

860 855

9.21
9.40

1.81

523
+0.565

80.4
651

0.34 879 150 133
-87-441

or

1.01 147-205-209

-126
641
154
14

0.99 560
16.50

187496

18

208

+

47

26

250464

7862

① 334-

R.A. : 16.150
DEC. : -57.450
PM. R.A. : % -1615.000
PM. DEC. : % -1424.000
DISTANCE : 0.900
MODULUS : 15
RAD. VEL. : 9.600

q1 (U) : -0.347
q2 (U) : -0.417
q3 (U) : -0.840
dU : 4245.463
U : 56.194

q1 (V) : 0.646
q2 (V) : 0.543
q3 (V) : -0.537
dV : % -6325.928
V : -100.899

q1 (W) : -0.680
q2 (W) : 0.729
q3 (W) : -0.081
dW : % -2117.02
W : -32.819

27

U : -28.847
 BU : -800.740
 P3 (U) : -0.788
 P2 (U) : 0.362
 P1 (U) : -0.497
 D. VEL. : 7.988
 MODULUS : 10
 DISTANCE : 1.418
 M. DEC. : -324.800
 M. R.A. : 82.000
 DEC. : -9.200
 R.A. : 15.480

P1 (U) : 0.741
 P2 (U) : 0.880

R.A. : 15.400
DEC. : -9.200
M. R.A. : 83.000
M. DEC. : -354.000
DISTANCE : 1.410 μ A
MODULUS : 19
D. VEL. : 7.000

q1 (U) : -0.497
q2 (U) : 0.362
q3 (U) : -0.788
dU : -800.740
U : -20.847

q1 (V) : 0.666
q2 (V) : 0.741
q3 (V) : -0.080

43641
144253

936
18 02.7

789 659 278 -017
-20 19 7.3 div2 +34c

2nd
+34c

-20°4399
9248

785600 580 206 2.5 2.9
-017

9mm

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434 (4)

(434)

4 Cape

(073)

(Candor)

+330 ±12 -331±9 Y
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345

21 (6)

40714 251

AV

-0232

TOP
550

-347 stay
+4

670

434

+0236
+1332

-343

(301 -351)

321

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068
434

9828

+300	+168	-939	+1721	-2732	+1989	+342	+319
+353	+895	+272	+5555	-14551	-8996	-19.5	-9.2
-886	+413	-210	-13443	-6714	+20657	-13.7	+7.0

11.5M

R.A. : 18.150
DEC. : 38.450
R.A. : -405.000
DEC. : -457.000
STANCE : 0.210
MODULUS : 11
VEL. : -19.200

q1 (U) : 0.101
q2 (U) : 0.919
q3 (U) : -0.380
dU : % -2143.607
U : -16.312

q1 (V) : 0.475
q2 (V) : 0.291
q3 (V) : 0.831
dV : % -1344.587
V : -30.758

q1 (W) : -0.874
q2 (W) : 0.265
q3 (W) : 0.407
dW : 741.443
W : 0.355



170493

18 27.3 -1 51

945 -53.364(3)

C2425

~~10715~~

8.05

+1.10

+1.06

St+K

W10455

8.05

+1.09

+1.14

Nick

P14254

803 864 273 043

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-103500

+0115 -197

172

192-197

+14 -21

cin

+41 -34 -25 .051

197

+173 ± 5

-2075

+40 -33 -20 .07

134

-209

+173 ± 5

-209 ± 5

Y 200 C

+181 ± 6

-220 ± 8

CR

59A(20)

10150

46 Y(10)

10.6.7

39 C(5)

5.1 ± 5

84