

4794 12 33.1 -40 44 Am 1/A

169586
17158

5.11 0.26 / 1.17
5.11 1.17 / 1.17

5.11 +24 (+08.5) L

2822

2

5.16 138 158 824

~~2.97~~ 1,13,8,7,1

5.16 1.53

1.53

0

3.00

-11

-1043 000

-106 000

5.17 +21.8 2.49
5.17 +21.8 2.49

+21.8
2.49

3.46

-11

122

4852

12 43.2 +80 54 Am

11112

17347

F105 Supra

28

+0124 -042

1.2.1 +134 1.4.10

123

125

R.A. : 12.700
DEC. : 80.900
R.A. : 186.000
DEC. : -42.000
DISTANCE : 5.100
MODULUS : 105
D. VEL. : -28.000

q1 (U) : -0.846
q2 (U) : 0.299
q3 (U) : 0.442
dU : -177.394
U : -30.948

q1 (V) : 0.533
q2 (V) : 0.515
q3 (V) : 0.672
dV : -28.284
V : -21.766

q1 (W) : 0.027
q2 (W) : -0.803
q3 (W) : 0.595
dW : 163.732
W : 0.492

12 464 +48 45 Am

4866

11421

1702

W150

-0668

-0073

-0208

8104 690

0198

0 154

154

6.26 +0.18 +0.16 269-

045 230 103 2

083 238 1029 284

-0066 ±30

24.00 889

203781.4

2872

2872

2872

6.26 +0.16 1901

-92

-0061 +019 (H)

260 +019

+0.58
+ 62

542
-19

+0.25
+0.93

124

5008

13 143

-43 43 Am

115331

57.82-012-1.224

17978

5.84+20 (+12) L

[Handwritten signature]

FN5

5.82 0 92 237

904 2866 / 0.75, 7.2

~~GOODS~~

~~GOODS~~

237

+2.04
+14.7
16.74

43

466

893

161

-4.5

-8.5

3.75

-12

~~GOODS~~

090

My

no-1

010 579 + 281 - 3.75 -

[Faint background text from another document, including words like 'STANCE', 'MODULE', 'DEC', 'R.A.', 'VE', 'PT', 'OS', 'D', 'R']

R.A.	:	12.750
DEC.	:	48.750
R.A.	:	-92.000
DEC.	:	19.000
STANCE	:	5.420
MODULUS	:	121
VEL.	:	-1.900
q1 (U)	:	-0.843
q2 (U)	:	0.496
q3 (U)	:	0.208
dp	:	287.054
U	:	34.436
1 (U)	:	0.538
2 (U)	:	0.788
(U)	:	0.208
dp	:	
U	:	

125

R.A. : 13.250
DEC. : -43.700
R.A. : -4.500
DEC. : -8.500
DISTANCE : 3.780
MODULUS : 57
VEL. : -12.000

A1 (U) : -0.885
A2 (U) : 0.112
A3 (U) : -0.583
A4 : 7.902
A5 : 7.444

5040

18 196 +5 26 Ann

116225

18091

5.86 +12 +09 C₂₁₁

587 LRS

5.86 +12 +09 C₂₁₁

054 214 972

5.88 047 196 985

048 225 954

050 212 978

241 492 960

1402 1494

-67

-22

433

-10.2

Budst

~~1077~~ -038

-10.2

2891 et al ②

2893 364/914

2922 56

2992 2

2992 2

2992 2

+187

+187

+1.8

4.05

-1075 -022

-1075 -022

→

4484

007 = 2

+9 = 2

+1.8

4.05

1.94

23

126

R.A. : 13.300
DEC. : 5.450
R.A. : -67.000
DEC. : -22.000
DISTANCE : 4.330
MODULUS : 73
D. VEL. : -10.200

q1 (U) : -0.800
q2 (U) : 0.515
q3 (U) : -0.307
dU : 199.316
U : 17.771

q1 (V) : 0.589
q2 (V) : 0.771
q3 (V) : -0.242
dV : -266.611
V : -17.114

q1 (W) : -0.112
q2 (W) : 0.374
q3 (W) : 0.920
dW : -3.630
M : -9.655

640M

116235

13

15.6 + 5 25

5.9 AS

-10.28

-0045 + 23
-0049

18091

7941

38.386

1897.5

+ 5 24

58.85

18949

$\frac{+235}{.571}$

$\frac{2.31}{61.16}$

38.374

$\frac{23}{397}$

59.01

1933.9

38

39.2

~~59.68~~

58.97

1940.15

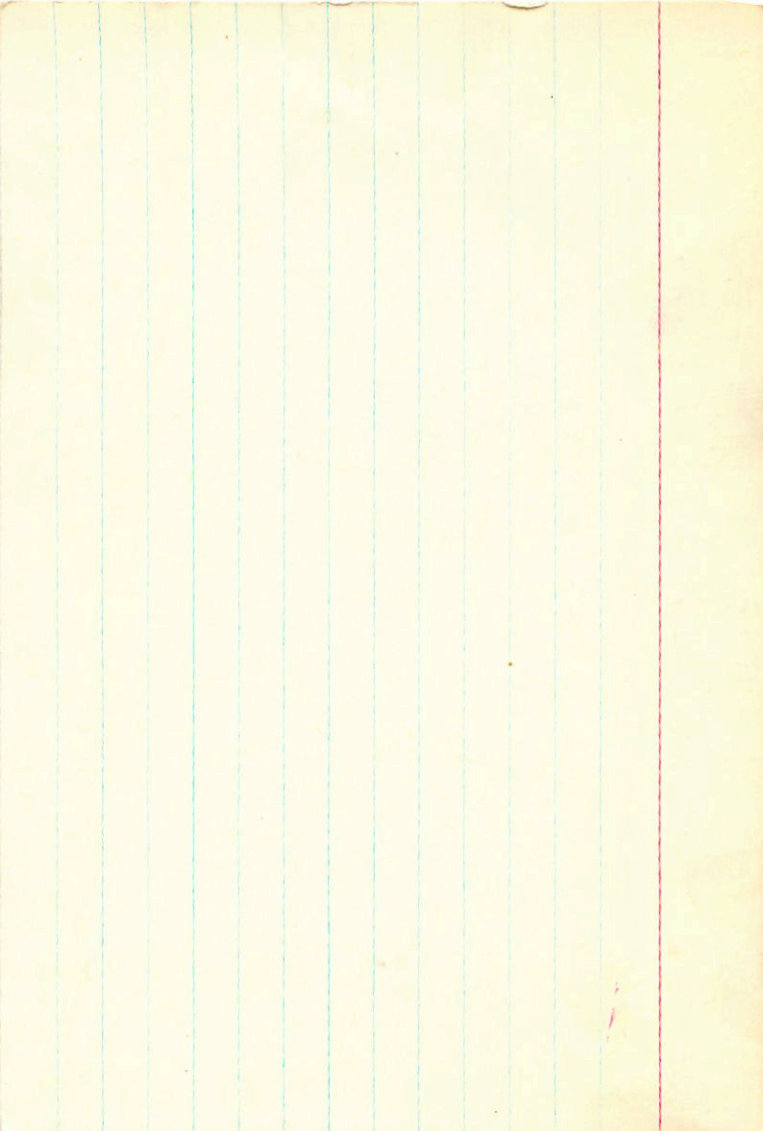
7405

38.353

$\frac{359}{378}$
 $\frac{378}{-193}$

$\frac{59.32}{-1.84}$

$\frac{37.0}{42.1}$



188
183

5.91 046 1.147
13 44.3 -50 80 A3m

115538

HR5175

GC18622

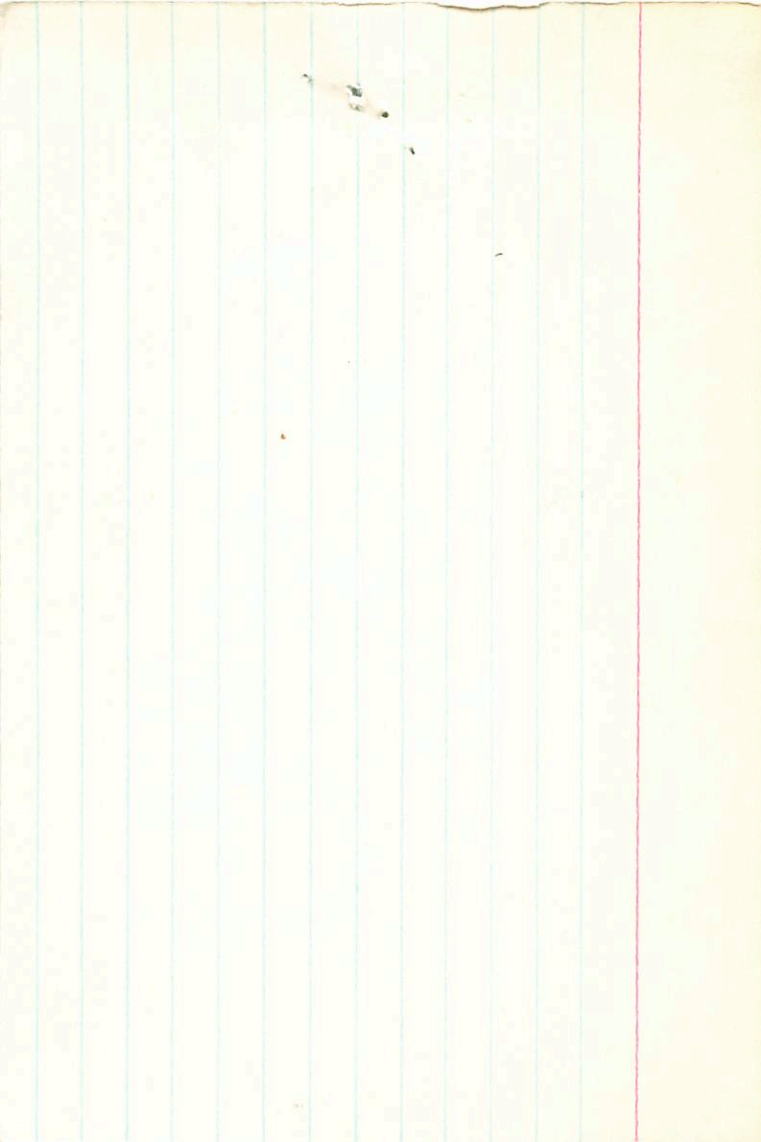
494
721
2027 254 2595 +162 4 Cmp
2160 4 Spanda

5.94 173 179 757 2747 (2) 15815

1584
1704
3
+246
+240

106 89
~~16~~ 13
3.93
2161

45 po. -8.4 -13.2 +3.5
-275 +184 +52 +160
+1073 +100



QC 18627 13 44.3 -50 000 +16.00 y^{Bar.}

+0053
+0068 ± 8.7 -019 ± 7.3

17.974 1899.2 -40054 2.06 1895.8

339
635
+0073 +010 -104
1.02

29.95 1927.22

43.635
34.068

+0054 +003

18.042 (200) 0.74
80

19.803
19.820

+0054 +0084

7.85
144

+0570

+057 +013

120 -522
176 -825
976 218
-843
538
016

-2813 +0062 -2751 -12.6
+1795 +0083 +1878 +85
+0053 +0460 +0518 +2.4

1927.22 +15
3085
0.80
0.87

-8.4
-13.2
+3.5

127

1911
R. A. BELL
DEPT. OF AGRICULTURE
WASHINGTON, D. C.
TO: Mr. J. H. ...
FROM: Mr. J. H. ...
SUBJECT: ...

R.A. :	13.750
DEC. :	-50.000
R.A. :	89.000
DEC. :	13.000
TANCE :	3.930
MODULUS :	61
VEL. :	16.100

1 (U) :	-0.753
2 (U) :	-0.031
3 (U) :	-0.657
4 (U) :	006.127

-0230 ± 4.4 -102 ± 4.5 -057 -058
-0258 -092 -097
-0266

14 16.2 -61 03 Am 731.28

HR 5349

-1258
-0258
-1238

528 ± 0.20

-167 -102 60

521 40.275 + 16.2 2.24

-156 -070 130
10.90 145 240

10.154
837
991

1913.6 -61 2 32.82 1908.5 313
-088 +4.23
28.59

10.36 420 13177
30

10.424
-21
405

618
309
-682

20.61 1939.5
-42
31.03

301

11
8188
264

10.227
-213

-682
~~11044~~

31.2 1946.5
-73
31.93 -2.89
21.48

80.01
40.0

-088
-097247
074

31.5

-559 -829 -875 483 -156 -070 +21.2 061 -19 -161

-087 034 129 -051 -171 757 +10.2 -8 -6 020

-17 +33 -27

[+17 -26 -33]

-0237 -159

✓1236 -1524

-359

-252.6 ✓

+21.2

-1206

-174 -075

3

RAD. VEL. : 21.200
 MODULUS : 32
 DISTANCE : 2.200
 PM. DEC. : -78.000
 PM. R.A. : -359.000
 DEC. : -41.000
 R.A. : 14.250

U : 9.209
 UB : 955.452
 p1 (U) : -0.488
 p2 (U) : -0.239
 p3 (U) : -0.485

U : -34.912
 UB : -912.229
 p1 (V) : 0.948
 p2 (V) : 0.231
 p3 (V) : -0.729

52

W : -2.941
 WB : -81.290
 p1 (W) : -0.322
 p2 (W) : 0.949
 p3 (W) : -0.003

R.A. : 14.250
DEC. : -61.050
PM. R.A. : -359.000
PM. DEC. : -78.000
DISTANCE : 2.500
MODULUS : 32
RAD. VEL. : 21.200

q1 (U) : -0.688
q2 (U) : -0.239
q3 (U) : -0.685
dU : 655.422
U : 6.209

q1 (V) : 0.648
q2 (V) : 0.221
q3 (V) : -0.729
dV : -615.556
V : -34.915

128
q1 (W) : -0.325
q2 (W) : 0.946
q3 (W) : -0.003
dW : -81.590
W : -2.641

5344

14 16.2 -6103 Am

125158
19302

520 052
~~1511~~ 1511
5.20 + 25 (117) 711

HN1A

2282
242
241

220811 2.88 16,13,84

(2)

1232 -812
5.22
145

1411
5216

1882
257 791 2834

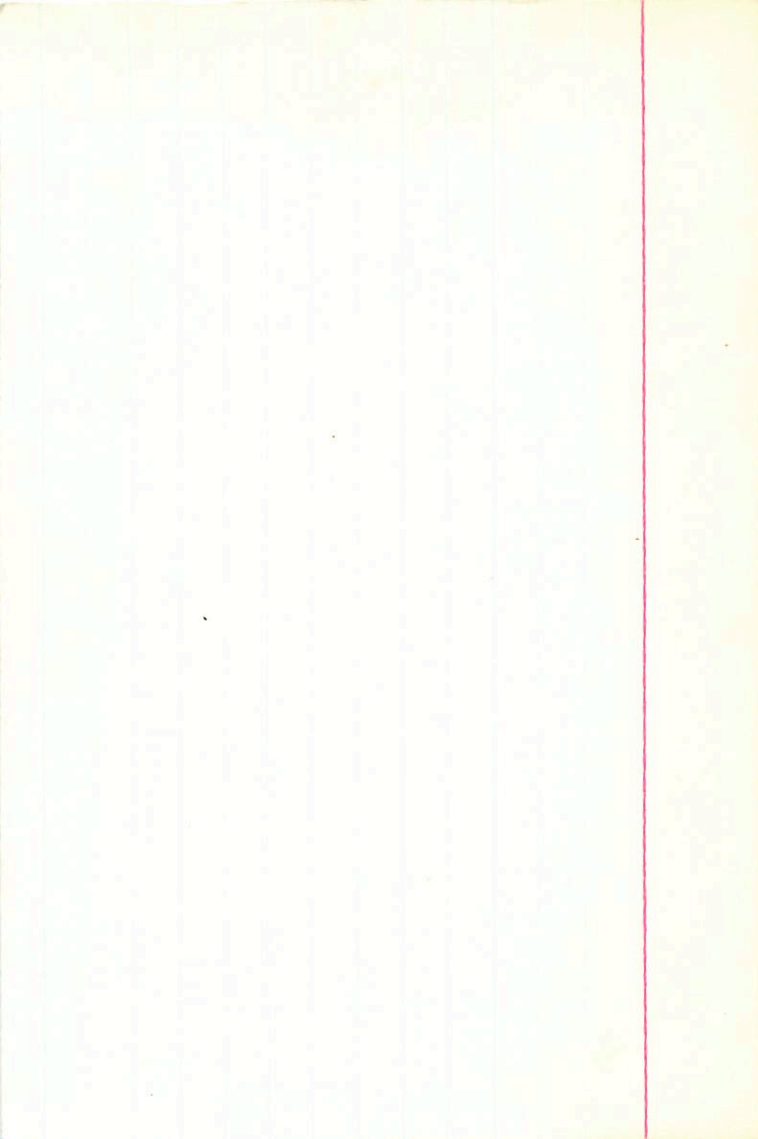
168-082

Bulk 1) 2212
2215-070 N30
2214-09162
-021220

15 2.20 12.4-319 -33

1634-588 115

B=00



125758

GC#302

W 8364

43244

HR5349

14

16.2

-61

03

A3

+21.26L(3)

S.22 +0.26 - cap

348

-82

282

TH2

+8 -37 -68 .030

+19 -47 -128 .020

+30 -57 -12 -015

-147 -102

-155

-020N30

-055

2459 Y(12)

-560-829 -876 482 -155 -095 +21.2 024 -19 -154
 -090 044 133-060 -135 824 +10.2 -5 -6

-73 +60 -22 212
 +36 -64 -5

-19 +57 -34 0 13

+32 -63 -8

3090

-658	-229	-655	+505	5845	417.5	-14.5	13.0
+648	+222	+729	-4764	-5497	-16.5	+15.4	319
-325	+940	-102	+2388	-3139	-0761	-2.2	-2

5359 2/11/14 14 May 73 09

-4.5

125337

063 211 1004 2.880

$\delta m = 0.14$

$d = 1.63$

ENV

10104 10300

spB

1015 1030

1016
1030

4.52-0.5 1.323

-4.5

SB 1.9 2 sp

+128
M4

14 16.4 -13 05 Am

5359

1522-1581323

125337

19211

4.52 +13 +12 C

063 2M 1004 2880

061-1208 995 2877 4.54 062 188 1007 2887 11183.5

060 206 1008 2866 3665

061 197 1007 2877 38

M_v = +1.7

m - M 3.55

PK1

114 +12
-6

218

416

997

14

1523

090 = a

036 = v

204

1.45

3.1

-5.4

ADDY 1110

-0.186

-0.15 1030

16

30

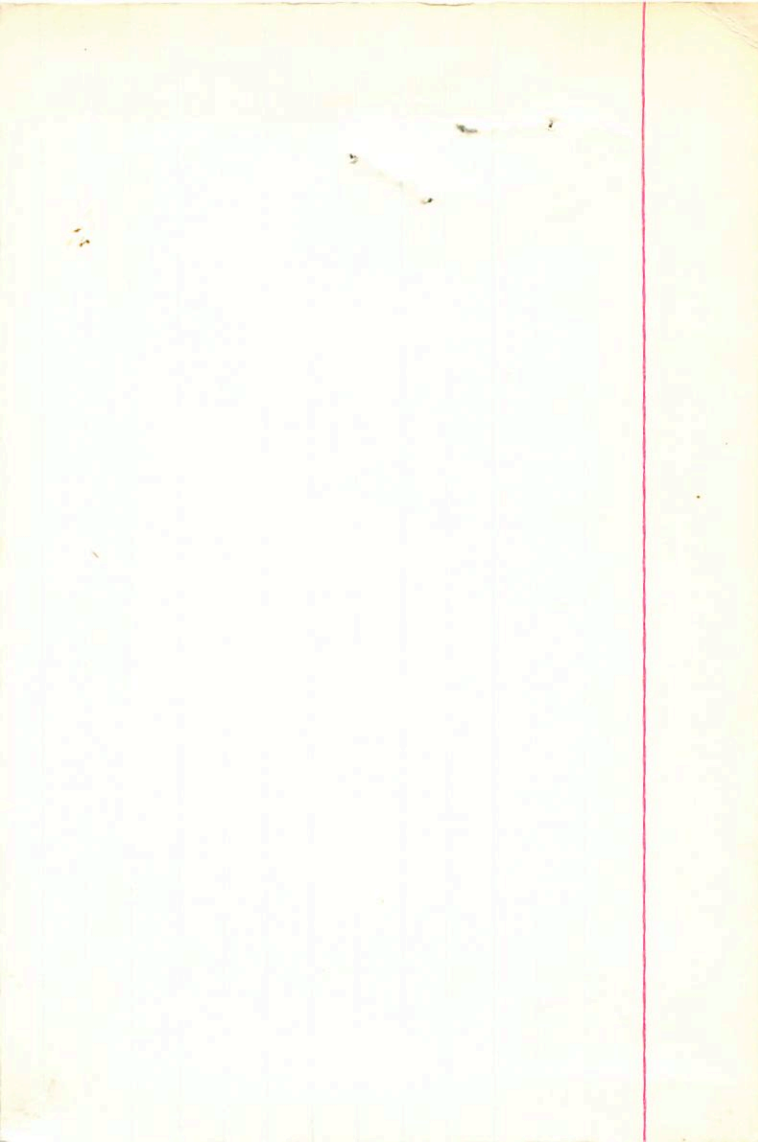
842

-5.4

+146

1163

38



Sp. B. ↑ = 2000

1140

Am -10.57

off
0165

-019 +024 66

-014 +025-

-016 +025-

14 16.4 -13 09

4.55 +0.14

62 +025 63 N30

-0010 +027 ±0.9

-0013 ±1.0 +027 ±0.9

fy

2.6m

125337

19311

8370

5359

Σ(M) = 1110
Σ(P) = 11.830

-560 -828 -228 974 -016+025 -10.4 -006+2.114

-009-003 013 005 -066 047 -10.6 +9 +6 018

$$+5 +9 +8$$
$$\boxed{+12 +4 -1}$$

026

$$+6 +8 +6$$

$$+11 +4 -3$$

0165

$$+5 +9 +9$$
$$\boxed{+12 +5 -1}$$

67

R.A.	:	14.250
DEC.	:	-13.150
PM. R.A.	:	-16.000
PM. DEC.	:	30.000
DISTANCE	:	3.920
ULUS	:	61
	:	-5.400

005 874

126504

14 24.0160 - 45

-0149±5.6 -090±4.5
-0151
55

5.9 A3 2568

19478

185 207 784 2789

717
5.62 +0.30 +1.62 2 24"

±2.12
±0.87
2.8

8431

58.083 1909.1

-45 54 33.28 1405.2

1401

609
692

+4.03
29.25

64.81

1124

577222
-0150 -078

3446

-24
3472 31.85 1938.66
-24

58.264
-262

283
76

16237

186 -078

32.09 552

367
256

57.989 58.118
-14
975 -574

38.1

33.16

195.5.28

9444

-1563 -0843

1724
0203
-1520

9012 -9516
-4270 -3074

32.76
-3.51

47.2

42.0

R.A. : 14.400
DEC. : -45.900
R.A. : -233.000
DEC. : -76.000
TANCE : 3.670
DULUS : 54
VEL. : -25.600

1 (U) : -0.667
2 (U) : -0.071
3 (U) : -0.742
dU : 537.924
U : 48.150

(V) : 0.654
(V) : 0.422
(V) : -0.628
dV : -654.634
V : -19.407

(W) : -0.358
(W) : 0.904
(W) : 0.235
dW : -50.783
W : -8.769

43.7
170
78

170

170

5405 (5000)

14 24 514 28 AS

12421

08451

~~2331 120 41.1~~
SAID
2331 120 41.1

5.50 + 23416 349

+0.40

1250 @ 885 321

121 236 956 2.87

10501 10900
-071026

SC
26
404
-283

+38
15

Quel 51

4.52

+0.99
+105

902
-4307

- 9534 / 075
3016
-0234

5401

14/240

-45 54 Am

126504

19458

5.82 + 31

131

A.	:	14.400
C.	:	19.450
A.	:	-75.000
C.	:	26.000
CE	:	4.520
US	:	80
L.	:	-28.300
)	:	
)	:	-0.667
)	:	0.645
)	:	-0.374
:	:	302.953
:	:	34.866
:	:	
:	:	0.654
:	:	0.747
:	:	0.122
:	:	-127.191
:	:	-13.639
:	:	
:	:	-0.350

132