

149903

20 57

40 52

21 cap
199947

29322

13188

3.030 1847.1 -17

$$\frac{106}{3.136}$$

38.634

24.5259

3.159

$\frac{119}{113}$

$\frac{106}{106}$

$$3.057 - \frac{20}{037}$$

-0020 ± 1.8 -011 ± 2.0
-0017 -018

20 58.1 -17

44 6.5 912 + 1.1 8

43 37.37 18965

$$\frac{59}{36.96}$$

27.76 1927.42

49.12

$\frac{38.64}{38.64}$

+ 1.09

95

$\frac{37.48}{37.48}$

$\frac{37.48}{-90}$

6878

34.4

31. 1941.36

37.99

+ 27

37.72

373

1.14

$\frac{072}{072}$

$\frac{064}{064}$

-

064

3.057

- 20

037

31.

37.99

+ 27

1941.36

37.99

+ 27

37.72

37.72

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

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+ 27

37.72

37.99

+ 27

37.72

37.99

+ 27

37.72

37.99

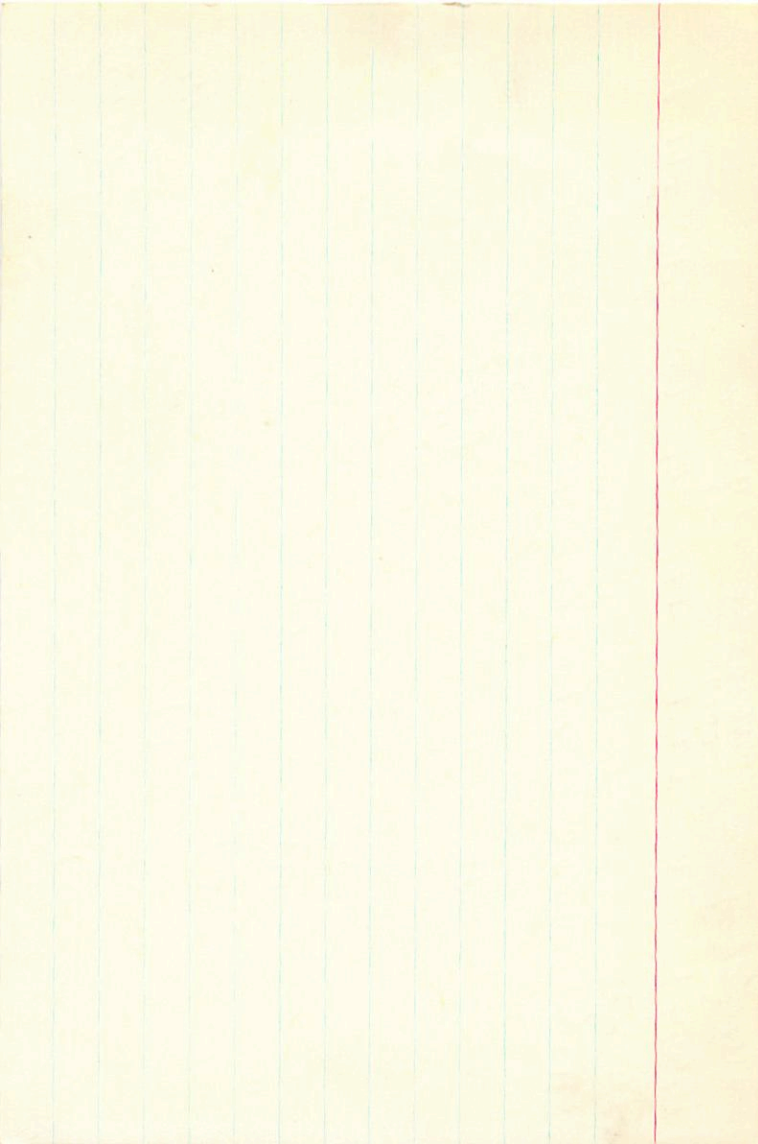
+ 27

37.72

37.99

+ 27

37.72



199976

20 58.1 - 8 32 26.7 - 3246

- 8° 55' 41"

8.2

+ 23 . 05 6m:20

205 14525

+ 243 + 025 Y

2.5 11.5

11 11 24 11

8.00

- 12m

+ 231 031 → 60

+ 7.4 + 1.73

W13192

204

$$-713701 - 148989 + 243 + 025 - 37.9 - 004 + 6 \quad 11.8$$

$$173 - 003170 - 003934 \quad 7.51 - 37.5 - 26 + 27 \quad 05$$

$$-9 + 43 + 8$$

$$\boxed{+41 - 17 + 5}$$

$$-12 + 40 + 8 \quad 06$$

$$\boxed{+39 - 17 + 7}$$

$$-5 + 47 + 9 \quad 04$$

$$\boxed{+45 - 15 + 0}$$

$$-8 + 44 + 8 \quad 047$$

$$\boxed{+43 - 17 + 4}$$

199976

C 2716

w 13192

7 5038

-8° 55' 44"

AOS 14528 11^m 3^s

+59 -16 -10 -025

+82 -12 -31 .015

20 58.1

8.10 +0.675

68

8.00 + (74)

-08 32

+1.77

+1.77

+1.73

d 67

Σ 33 (2)

2 1/2

1 1/2

(+4.4) w
8 w (3)
-37.9

McClun

+23 +05 6m

+24318 1025487

2377 A(20)

- 719 695 -148 989 +240 +025 -37.9 -004 +6 115
175 -003 169 -003 943 787 -37.5 -26 +27 0205

415 +65 +12
+64 -13 -18

8649 512 20 58.2 +59 18 5.705184 -172

+5802201

5.514140 + 1.64 /

+000 + 010 062
~~-3 +2~~
+087 +012

+0052 ± 2.4 +010 ± 2.2 +087 +012
+0059 +010 ± 2.2 +087 +012
33.06 1858.5

11.417 1892.3
-300
11.117

+0055 +013 -52
+2
+0099 +015 32.54

5104 3204
+028 +015

33.60 154472
-30
3330
+96

11.406
+4
412 / 5
+305

48



8049.000*

20.000*

58.100*

59.000*

15.000*

0.038*

0.015*

6.000*

158.489

-17.000

0.172

0.121

25.127

-0.007

0.981

-17.824

-0.090

0.153

-16.789

488

9A9r
200004

0000 ± 23
+0001
20 58.4 -13

+008 ± 2.4
+007
44

6
22.8
22.8

29337

13198

23.077 1898.4 -13

43 36.29 1896.4

0

-43

0.414

22.708

23.122

23.339

0.13

0.76

36.72

27.52 1927.08

49.68

27.84

1.66

36.78

+32

36.42

36.62 1941.40

+15

36.47 / 36.47 + 2.5

35.8

23.098

17 / 083 / 680 / +003

6848
34.2
37.8

145 R3

RV Cap 20 58.7 -15 36

11.0 via mail

-800dub)

-044446 +039.99 -12/29 00

-711703 -266 964 +036 -121 -80 632 +21 -554[✓]

028 023 027 022 025[✓] .237[✓] -771 -54 +55 0

-24 +318 -585 0009

-14 -657 -117

-27 +292 -533 001

200073

20 59.2 -38 43

5.90 140

GC29351

5.93 +1.11 (2.15) 14015

Y1 5041

-39014079

140

↑ 1957.7

+7 ± 1.5 3(8)

+7 350.

+58.7 40

Bill

1960.42

GC +159 -158

Y +158.55 -165 ±5

13 ± 10 Y(10)

15.131 1856.5

-726

14,403

+013646.1

+0130

+0137 -38 43

-15875.5

-170

3168
3409 1893.3

8.56

25.13

22.92 1928.72

50.70

92.22

92.23

90.18

30.81

35.62

153
33.27
-8.14
1595.46

8418
42.1

42.8

45.6

9992
14996

+593

207570.15

15.394

32.55

35.72

38.914
36022
14.9394
-81.4
82

15.172
104

37

3806

2 Egn

200256

20 59.7

+06 59

7.4 dF3 -4.78

29361

13209

44.486 1885.9

+6 58 55.03

1883.6

A0614556

$\frac{0.57}{1.537}$

+66
55.99

74.74
34

44.522

55.78

1934.0

$\frac{525}{525}$

$\frac{14}{55.94}$

74.04
37.0

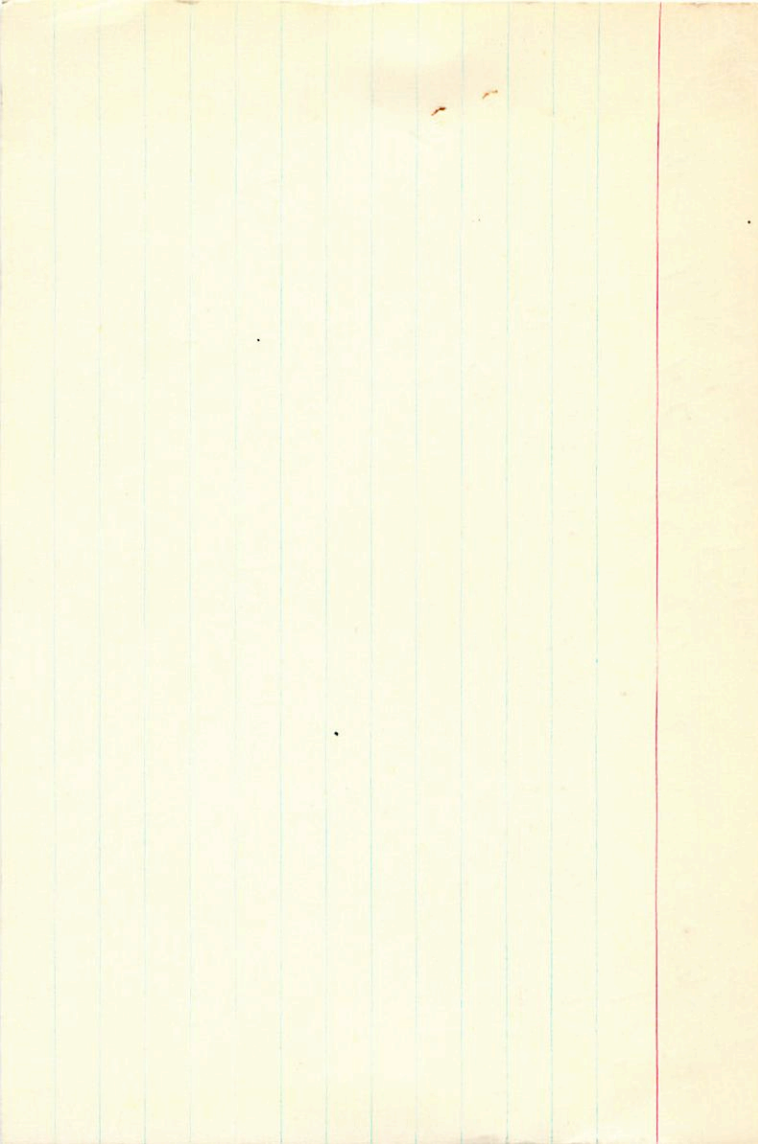
-013 51.4

54.80

194004 53.4

527
-9
519

+3
54.83
55.39
-61



3 mi

-0020 ± 2.4 -114 ± 2.3

-112

-0031

-107

200163

20

59.8 -38

50

5.4 dF2 + 468

29363

-0023

13210

46.633

1905.8

-38

49

41.39

19043

8045

088

69.54

5.21

-0024 -111

721

46583

43.37

36.18

-0022 -1055

46.632

575

4348

40.17

1939.55

-0257
-020 -112

13
619

11 76

588

42.3

17
40.00

171
86

96.23

40.86
-4.68

48.1

43.8

46.565

-133

21.0
-38.85

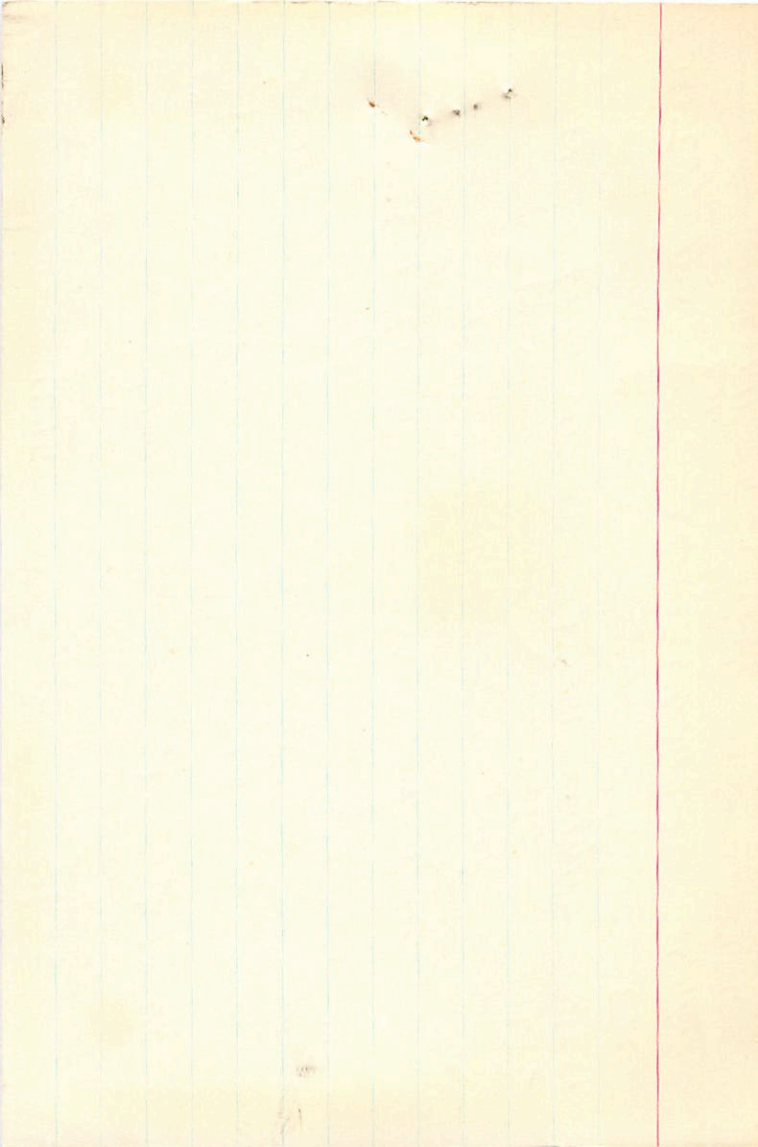
33
112
2.7
+4.4

41.60

1956.68

-11
41.7)

-8
554



200163
HP804T
GC29343

20 53.8
~~00245 -1103 F124~~
~~0285~~

-38 49 472
393
1267
2.5

5.30 287 154 534 2657 ③
294

206 +17
477 $\frac{95}{112}$ 12.55 ✓

4266

0,4252

2.70 -6.3 -18.0 1.2
-84 524 +53

373
1267
2.

+14
-49



49

R.A. : 21.000
DEC. : -38.820
PM. R.A. : -33.000
PM. DEC. : -112.000
DISTANCE : 2.700
MODULUS : 30
RAD. VEL. : 4.000

d1 (U) : 0.442
d2 (U) : 0.010
d3 (U) : -8.747
q1 : -21.127
U : -6.222

d1 (U) : 0.030
d2 (U) : 0.228
d3 (U) : 0.022
q1 : -233.228
U : -18.240

d1 (U) : 0.442
d2 (U) : -8.747

R.A. : 21.000
DEC. : -38.850
PM. R.A. : -33.000
PM. DEC. : -112.000
DISTANCE : 2.700
MODULUS : 35
RAD. VEL. : 4.600

q1 (U) : 0.665
q2 (U) : 0.019
q3 (U) : -0.747
dU : -91.127
U : -6.596

q1 (V) : 0.030
q2 (V) : 0.998
q3 (V) : 0.052
dV : -533.568
V : -18.260

q1 (W) : -0.747
q2 (W) : 0.057

160537

20 022 +81 06

Ad m

88
83

810

66
62

62-074

62-074

62-074

66

62-074

673 094 114

62-074

Am

88

21 010 114 88

62-074

50

000 100
000 200
000 300
000 400
000 500
000 600
000 700
000 800
000 900
000 1000
000 1100
000 1200
000 1300
000 1400
000 1500
000 1600
000 1700
000 1800
000 1900
000 2000
000 2100
000 2200
000 2300
000 2400
000 2500
000 2600
000 2700
000 2800
000 2900
000 3000
000 3100
000 3200
000 3300
000 3400
000 3500
000 3600
000 3700
000 3800
000 3900
000 4000
000 4100
000 4200
000 4300
000 4400
000 4500
000 4600
000 4700
000 4800
000 4900
000 5000

R.A. : 21.000
DEC. : 44.500
R.A. : 39.000
DEC. : -79.000
STANCE : 2.530
MODULUS : 32
VEL. : -8.800

q1 (U) : 0.665
q2 (U) : 0.744
q3 (U) : -0.067
dU : -191.072
U : -5.533

q1 (V) :
q2 (V) : 0.030
q3 (V) : 0.064
dV : 0.980

+27° 34.52

FR Vnd

21. 00.3

+27 36

-25.2

43.6 ps.

-22.9 Altitude

-24.6 Altitude

+078 +007
-19 -6
+3

+059 +004

664 691 -282

030 352 935

-747 630 -214

+1857 +0131

+0084 +0066

-2089 +0119

+1988 +8.7 +7.1

+0150 +0.6 -23.6

+970 -4.2 +5.3

+105 +013 AG-123

+080 +007

+092 +010

+095 +007

+075 +007

-3 -3

+075 +004

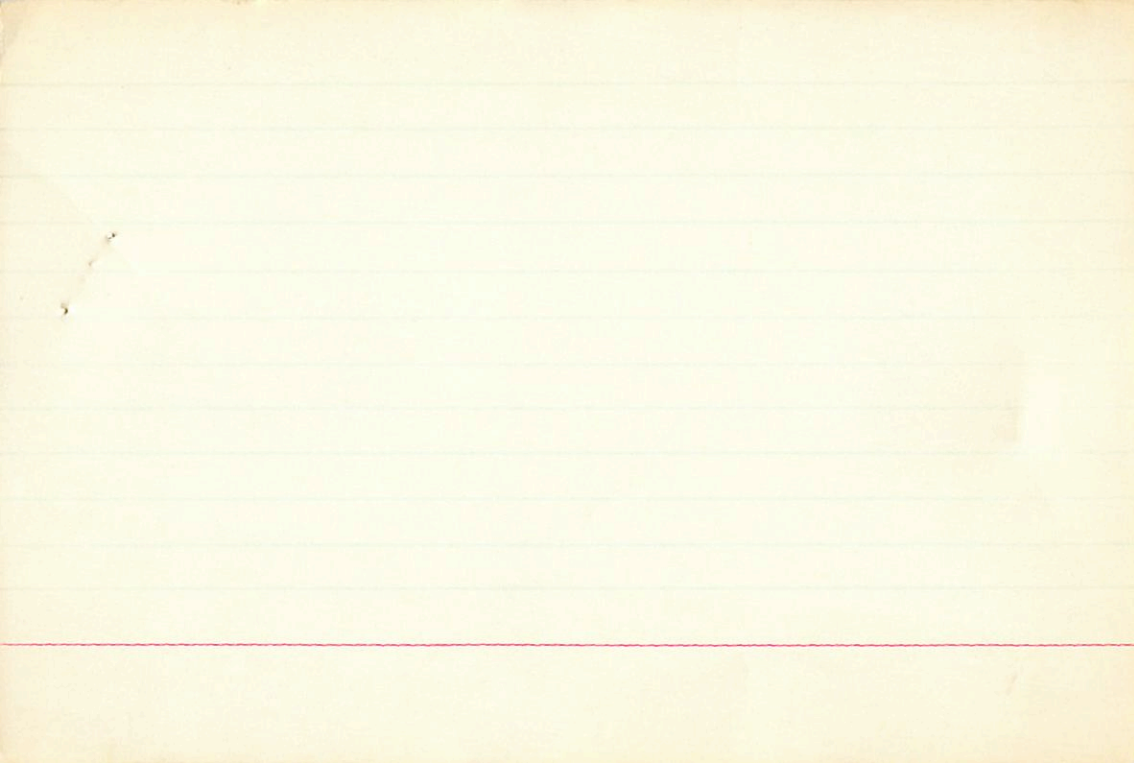
+5 +3

+080 +007

+15.8

-23.0

+1.1



200391
+2703952

21 00.3 +27 36

output -2512

-26.6

7.2

+078 +007 Y
 $\frac{1}{G0.2 + 0.55}$

$\epsilon = 0.50$

$m_1 = 1.2$

$m_2 = 1.1$

$G_n + 0.057 + 0.03$

0.66

+059 +004 -1130

6000 DD
del his record
summary

Y0

664	691	-282	+1857	+0131	1988	+7.9	+7-1	+15.0
030	352	935	+0054	+0067	10151	106	-23.6	-23.0
-767	630	-214	-2145	+0120	-2025	-8.1	+5.4	-2.7

-706708 463884 4075+007 -2603 -12 025

055002 055002 25.1 270 -23.0 -16 +16 01

+9+43 -9

+34 -22 05

008

51

P1



127
146
153
189
247
255
255
119
228
331
330
388
443
483
569
595
595
48
000
000
000
009
000

51

13219 21 00.5 401 20 FS 42.36

29382

6.20 448 006

ADS14573

$\overline{0.3}$ 1.5

6.22 447 01 3 20'

7.5

$\overline{6.9}$

35A(16)

-0080 ± 44 -050 ± 3.4

30.784 1844.7 401 20 3.08 1886.7