

165-

38

10+

+ 243

15-

0.7

9.18 113 104 10 100-022

100-2

165- 100 113 104 10 100-022

0.750
-5.900
243.000
52.000
3.800
58
-16.800

0.843
0.585
0.185
1090.281
59.631

-0.538
0.781
0.317
-423.611
-29.698

-0.015
0.367
-0.938
72.588
19.885

48

48

62-21A, B

05 42 42 + 1 24

-334
-876

1813 -66

13.76 + 115 + 1656

13.33 + 115 + 163

0.7 → +1.4
1813
-66

5.5

-3514

18

८१

0.700
1.400
313.000
-66.000
5.500
126
-35.000

0.846
0.478
0.237
1105.169
130.660

-0.533
0.735
0.420
-1019.720
-143.420

-0.027
0.482
-0.076
-190.930
7.320

49

215 105

G33-46

00 42 43

+ 4 05 24

+25.75

+22.90

+13.44

+24.3

208-56

9.74 + 0.76 + 0.28 1511

9.74 + 0.76 + 0.28 1511

0.7

+14.1

+2.14

-5.6

4.0

+24.3

50

627052

00 41 51 -06 20.36

-5666

-069 -200

13.05 469 028

0.7

-6.33

-69

-200

70

-566

57



2000
2001
2002
2003
2004
2005
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2013
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2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030

B

8.700
- 6.330
- 69.000
- 200.000
7.000
251
- 56.600

8.846
8.585
8.179
- 754.895
- 199.655

- 8.533
8.784
8.318
- 578.501
- 161.294

- 8.827
8.368
- 8.933
- 332.842
- 30.613

B

4306

00 42.9 - 9 49

-~~65.2~~ (8)

-90.15

+0045 +018 Country

066018

9.03 231 058 355 HTHT

5.54

19
5.73
5.73 070

66

18

8.75

-48.2

52

-256

270-71 10-01-20 4823 598718

10-01-20

491.01-

481 217

0.78

-9.6

1.91

1.12

0.8

2.2

53



0.750
- 9.600
191.000
217.000
3.800
40
- 2.900

0.840
0.516
0.152
1283.315
58.649

- 0.538
0.800
0.266
342.885
12.888

- 0.815
0.306
- 0.952
388.619
14.729

5

07b-

1.9

1.57

1.3

1.6.7

0.7

10.10 + 0.57 - 0.6 2.57

0.1 - 0.15 - 0.2 - 0.41 - 0.57

0.33 - 0.42 0.57 + 0.42 0.0
1.00 1.21

0.13 - 0.17

0.84.6 5.0

54

no

+6

54

Portman 1415
Munster 6811

ASPG 71

(215)

5 And

215

4502

940

1089

363

0726-0777 F104

-0999 - 43
+ 13 820

-099 - 082

177
177
177

115 00 44.7 124 00

View
4.05 + 1.20 87 35 3.54 + 0.40 3 34
400 + 109 + 0.82 35 3.59 + 0.42 35
3.56 40.41

3/8
47

17.96

0.1 View
17.96

23.76

+16
+3
+13

95



215.000*

3.000*

44.700*

24.000*

3.000*

-3.099*

-3.082*

3.800*

57.544

-23.700

-3.530

3.411

-43.259

55

334

1 KR 215
4502

sp. B p = 17.8
U. a. a. i. h

+ 0013

0 44.7 + 24 00 4.3 5 68 - 23.7 a

433 421

-0074 -080 N30

GC 940

-0076 ± 1.0 -078 ± 1.0 GC low t N30

3 Amal

f 20

2.1 B

-00726 -0777 ENY

32-6

N₀

~~-099~~
~~-098 -082~~

-015 11 -050 10
-050 10

1015
150-001

20

4614 372 185 275 2.185 + 8.40
7 Cao 9620 46.1 + 57 33 + 2.62
441

3.45 + 0.58 0.00 602 + 1.101 - 0.523 GC
+ 1.101 - 0.512 N

.169 + 31 29 25 36 N30
372 185 275 + 1366 - 512
570 162 + 1368 + 1.0 - 522 + 1.60 → 1.30

370 174

1474 - 537 2131
1200 9007

-30

-537
-0.95
+ 9.4

1,1937 - 537

984 9993 11633
1417 - 0380

~~200~~ 950 844 536 +1.101 -518 +4.4 -437 +8 -1.317
-220 088 1.079 -428 986 5.529 +5.0 +5 +1 .173
+11 +33 0
+30-9-15

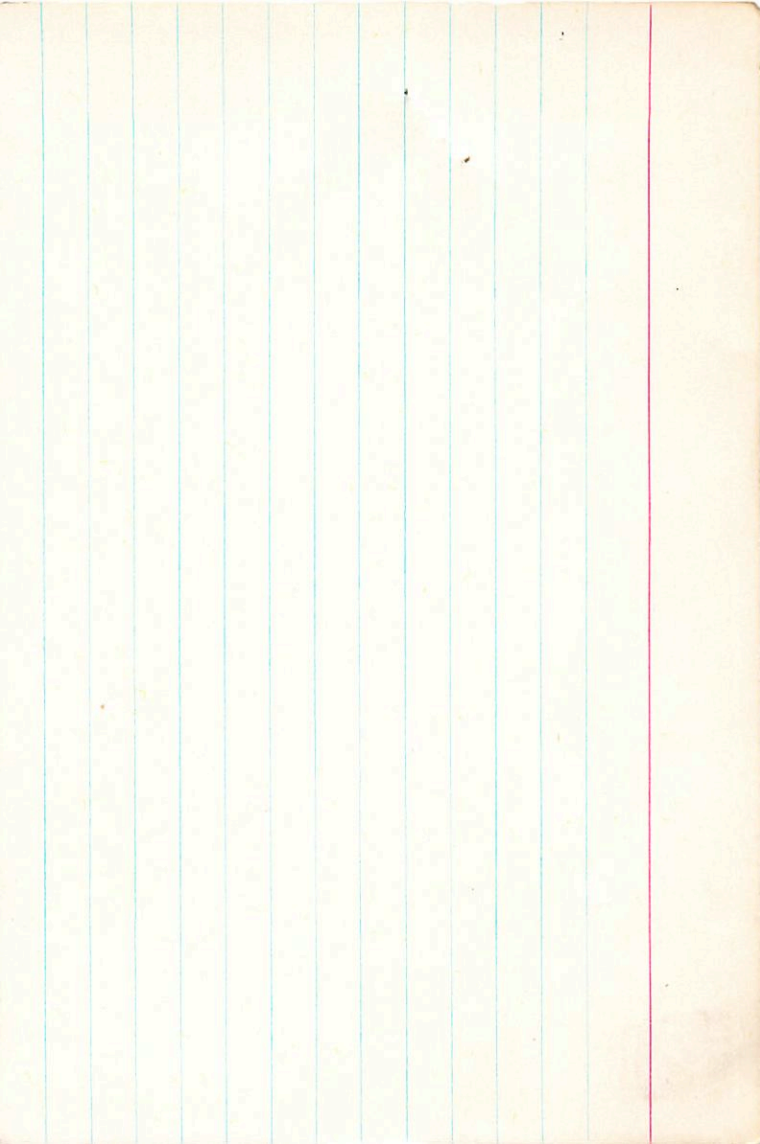
$\eta_{\text{cas}} \quad 0 \quad 46.9 \quad +57 \quad 33$

214 $3.45 + 0.58 \quad 00 \quad 60E \quad .177$

0.169 +31 -9 -15

372 185 295 2585

70



AD5671 0 46.1 157 83 +9.4a

76m .1671

57

RAD. VELOC. : 2.408
 MODULES : 7
 DISTANCE : 0.750
 FM. DEC. : 1.000
 FM. R.A. : 1.000
 DEC. : 1.000
 R.A. : 1.000

01 (U) : 0.040
 02 (U) : 0.060
 03 (U) : 0.230
 04 : 4.4.9.12
 05 : 182.281

01 (U) : 0.030
 02 (U) : 0.050
 03 (U) : 0.070
 04 : 1.3082.402
 05 : 18.932

01 (U) : 0.010
 02 (U) : 0.020
 03 (U) : 0.030
 04 : 1.2818.212
 05 : 18.932

R.A. : 0.750
DEC. : 57.550
PM. R.A. : 2131.000
PM. DEC. : -537.000
DISTANCE : -0.750
MODULUS : 7
RAD. VEL. : 9.400

q1 (U) : 0.843
q2 (U) : 0.060
q3 (U) : 0.535
dU : 4414.912
U : 36.281

q1 (V) : -0.538
q2 (V) : 0.066
q3 (V) : 0.840
dV : % -3082.462
V : -13.922

q1 (W) : -0.016
q2 (W) : 0.996
q3 (W) : -0.088
dW : % -2619.217
W : -18.248

5-243-4

00 46.4 +67 41

1255 880

+40.18 (11)

255 009

1048 101

672

9

28

+40.18

58

Handwritten notes in blue ink, possibly a list or a set of instructions, located on the left page of the notebook.

Handwritten notes in blue ink, possibly a list or a set of instructions, located on the right page of the notebook.

R.A.
DEC.
R.A.

..
..
..

07.750
07.700
07.000
0.000
0.000

1366

H1

6

13.2

1236 B 81

var

var 2

0

46.5

+5

10

9

06

+21740

12.36

+0.56

+0.04

+239560

1307

12231

-2.7118

6 1574

1307

1112

1574

1574

1307

1260

-2.700

1574

var +21740

F04

0.5.5

Rmody

+1.26

-2.70

var

1223 -2.716

+5.2

1.228

+1.28

+2.62

2.91 1.520 (lowest)

1481

12712

-2.712

1.273

-2.712

1.238

12712

1.273

-2.712

1.273

-2.712

1.238

11=245

9528

4943

729609

-2992

-2.0

16

59 6416 05655

25712

7.50

19

1.45
-3
595
-#

R.A. : 0.750
 DEBT : 5.150
 R.A. : 1338.000
 DEC. : X-2712.000
 TANCE : -2.000
 VALUE : 4
 VEL. : 0.000

 1 (U) : 0.843
 2 (U) : 0.140
 3 (U) : 0.270
 UB : -902.870
 U : -2.270

 1 (U) : -0.530
 2 (U) : 0.700
 3 (U) : 0.441
 DEC. : X-13212.000
 V : -42.800

 1 (U) : -0.010
 2 (U) : 0.300
 3 (U) : -0.840
 DM : X-2000.810
 V : -32.000

38

2

R.A. : 0.750
DEC. : 5.150
R.A. : 1238.000
DEC. : % -2712.000
ANCE : -2.000
ULUS : 4
VEL. : 6.000

1 (U) : 0.843
2 (U) : 0.460
3 (U) : 0.278
dU : -992.076
U : -2.279

33

1 (V) : -0.538
2 (V) : 0.706
3 (V) : 0.461
dV : % -12219.930
V : -45.885

584

1 (W) : -0.016
2 (W) : 0.538
3 (W) : -0.843
dW : % -7006.816
W : -32.951

59

4017

4635

66971

w454

4157

+69045

24270

8.0

0 46.5 +70 10 212 - 28.5 + w(3)

w(15.9) 038

7.76 to 50 to 68

4A

+20 -50 +23 .040

+14 -45 +17 .050

+370 +214

(17M18)
126(7)

14 ± 8

U 46 30.165- 1898.6

3988
26.910

53.34
34.720
28.060

412
381
2.170

+072774.5 +2142 4.166
+07223 +235

+70 10 28.58 18954

11.68
16.90

12.5 1925.4

11.52

27.02

36
23.43

21.09

214 219

G-32-53

00 48 36

+18 31 12

-8364 C

4906

-188 -274

~~8364 C~~

8.76 716 +24 266

0.8
+18.5

3.31

(22)

8.97 483 297 (3)

-209

-274

2.6

83.4

-1000
G/260

4527
274
5.46

5.46

DISY -229 ~~Verdamp~~

-201

-239

2.31

-432

-191 -739

60

FM. R.A.V. : 238.000
FM. DEBY : 2.310
DISTANCE : 20
MODULES : 88.500
RD. VELL : 0.840
P1 : 0.280
P2 : 0.280
P3 : 118.473
P4 : 00.714
P5 : 0.243

R.A. : 0.800
DEC. : 18.500
PM. R.A. : -201.000
PM. DEC. : -239.000
DISTANCE : 2.310
MODULUS : 29
RAD. VEL. : -83.200

q1 (U) : 0.840
q2 (U) : 0.380
q3 (U) : 0.388
dU : % -1189.423
U : -66.714

-0.543

G247-70

AD 466 +20 101 -315 (B) +20

+69,452

✓635

775 0.91 0.68

Carrollton

0739 204

{ 376 204 }

1107

402

7.6

-3/15



6

AC. VELL : 383
MODULUS : 7.888
DISTANCE : 204.888
PM. DEC. : 1187.888
PM. R. A. : 70.128
DEC. : 8.128

IP : 208.112
UB : 144.888
UB : 8.888
UB : 8.888
UB : 8.888

IP : 208.112
UB : 144.888
UB : 8.888
UB : 8.888
UB : 8.888

R.A. : 0.750
DEC. : 70.150
PM. R.A. : 1107.000
PM. DEC. : 204.000
DISTANCE : 7.800
MODULUS : 363
RAD. VEL. : -31.500

q1 (U) : 0.843
q2 (U) : -0.058
q3 (U) : 0.535
dU : 1446.005
U : 508.162

q1 (V) : -0.538
q2 (V) : -0.119
q3 (V) : 0.835
dV : %

G-748-123

00 540-09

-26 06

268 142⁰
278

141-211

189

148

7.10

-35.1

1253 052-052

~~368~~

62

Handwritten notes in blue ink, possibly a list or a set of instructions, located in the bottom left corner of the page.

Handwritten text in blue ink, possibly a signature or a name, located in the center of the page.

Handwritten text in blue ink, possibly a date or a reference number, located in the bottom center of the page.

12.1.1

12.1.1.1
12.1.1.2
12.1.1.3

12.1.1.4

70-17
G-7017

00 47.6 - 4 42
- 44 21

+

504

11.74 0.58 0.10

132-259

0.8

-4.7

1389
-259
3.6

+5.0

478

-5.2

-110

-56.3

63

-2572

R.A. : 0.500
DEC. : -4.700
PM, BEB : -100.000
DISTANCE : 3.000
MODULUS : 53
RAD. VEL. : 15.000

P1 (U) : 0.840
P2 (U) : 0.202
P3 (U) : 0.207
QU : -25.817
U : -1.773

P1 (U) :
P2 (U) :
P3 (U) :

R.A. : 0.800
DEC. : -4.700
PM, ~~REQ~~ : ~~-252.000~~
DISTANCE : 3.600
MODULUS : 52
RAD. VEL. : 15.000

q1 (U) : 106
q2 (U) : 0.840
q3 (U) : 0.502
dU : 0.207
U : -92.817

q1 (U) : -1.773
q2 (U) : -4.710
q3 (U) : -0

G-1-28

275 74

00

48 14

+10 05 24

B3B

+35.7 C

+32.75

264 074

10.50 + 78 + 36 SIC

0.8

+10.1

+26.8

+7.0

4.6

+35.7

38.950
 -38.185
 -4.925
 -0.380
 0.004
 -0.000

64

5-408

0

53.8

711

460 06

266