

85951

GC13644

WG340

Y2348

-1802810

HR3423

-2-26-26 .010

9 52.5

-18 46

3M1

x502

5.0

W(40.2)

54 N30

54 043

54 N30

54 043

54 043

54 043

-048 -037 GC

-057 -043 N30

-054 -040

6 ± 11 7(8)

528-849 -322847-054-040 +53.0 043-17-180
029-007 046-011 180 185 +50.2 -43 27

-22 447-37

009

+22-60-6

86006 9 52.6 -45 30 C-5 IV +20.4 ± 1.2 C, 14)

8.16 +71

8.18 444

861402

9

530

-58

30

→ 64

8.99 649 009 232 (2)

649 543 500 249 (1)

548 508 235

49

648

20260

net

100

-6048 ± 4.3 -020 ± 3.4
-0046 -019

85876 9 53.1 29 6.8 gm2 -316.6

13659
6342

4.293 1500.5 - +54 28 53.77 1897.4

238
531
1.05
5482

22.76
41.838
4.598
4.398

(34.6)

59.3 - 1525.6

4.25
55.05
-95

7011

35.1
37.7

742
371
-160

407

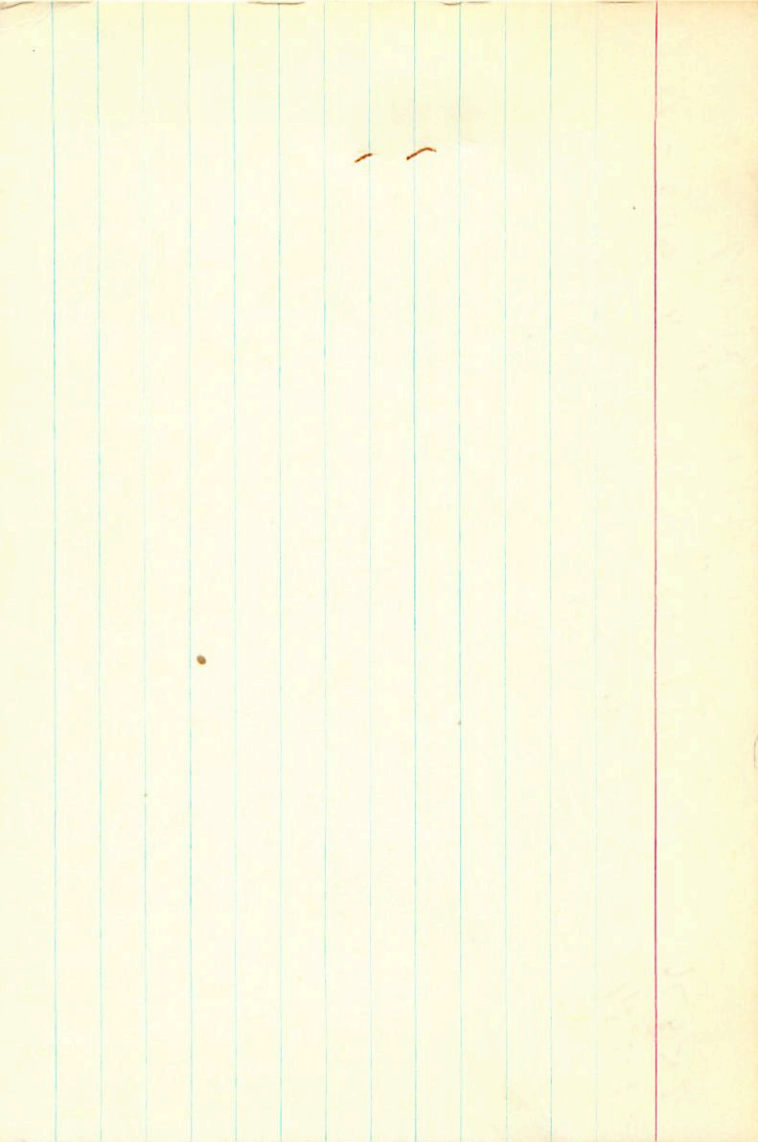
4.342

-7
535

54.34 1947.51

-31
54.03

54.10
-1.72



86082

9

53.6

-7

24

0.185 + 0.002

9125

$$6.75 + 1140 + 1160 \textcircled{3}$$

$$5.93 + 0.57 \textcircled{2}$$

$$\begin{array}{r} -29.1 \\ -00166 -0011 \end{array} \quad \begin{array}{r} 1144.627 \\ \hline \end{array}$$

$$\begin{array}{r} -0245 \\ + \\ -022 -007 \end{array} \quad \begin{array}{r} +30 \\ \hline \end{array}$$

+ 600000

$$\begin{array}{r} 5.93 \\ 4.98 \\ 2.5 \\ \hline 9.3 \end{array}$$

$$580 \quad 52$$

$$\begin{array}{r} 580 \\ 52 \\ \hline 632 \end{array}$$

—

11



86082.000*

9.000*

53.600*

-7.000*

-24.000*

-0.022*

-0.007*

7.300*

237.5 288.403

-29.000

0.064

0.335

45

8.625

82089

3927

9

53.0

-50

00

40

(46613)

-37.02 7.29

10.12 0.53

10.12

8840 -9650 / 0377
4618 +2511 / 0022

12

[illegible]

9.900
-50.000
0.000
0.000
0.000
10
0.000

-0.779
0.616
-0.114
0.000
0.000

0.127
-0.023
-0.992
0.000
0.000

0.614
0.787
0.060
0.000
0.000

12

181 mi

86012

9

53.6 + 32 37

6.6

df3

+ 8.28

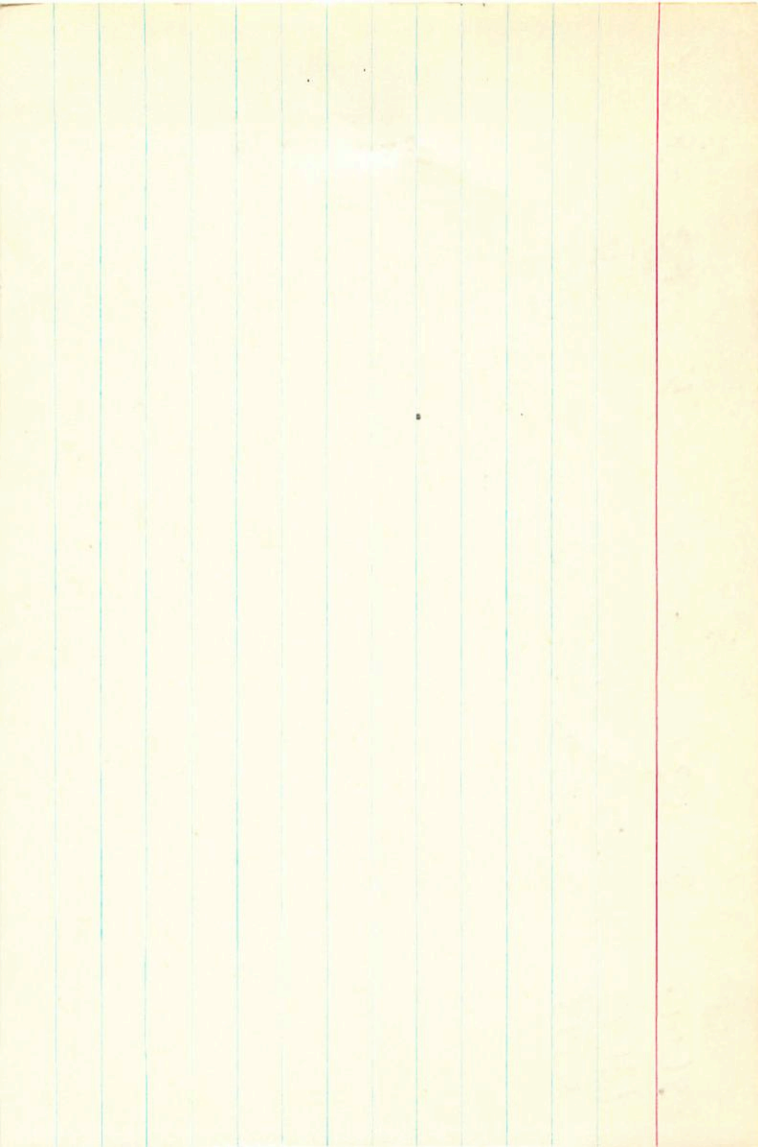
13673

6345

27

-6041 + 020 N30

-6037 ± 2.4 + 008 ± 2.0 GL → N30



85945

9 53.8

+57

39

6.0

965

-44.18

$$\begin{array}{r}
 +0038+3.1 \\
 +0041 \\
 +57 \\
 39 \\
 6.0 \\
 965 \\
 -44.18
 \end{array}$$

13677

6347

$$\begin{array}{r}
 45,398 \\
 206 \\
 \hline
 182
 \end{array}$$

45,398

1895.9

+57

39

26.11

1890.2

$$\begin{array}{r}
 389 \\
 \hline
 30.00
 \end{array}$$

$$\begin{array}{r}
 0.62 \\
 44.905 \\
 45.520 \\
 45.220 \\
 \hline
 210 \\
 305
 \end{array}$$

$$\begin{array}{r}
 333 \\
 -4.48 \\
 \hline
 28.32
 \end{array}$$

1927.0

$$\begin{array}{r}
 28.32 \\
 -97 \\
 \hline
 27.35
 \end{array}$$

72.04

$$\begin{array}{r}
 36.0 \\
 \hline
 45.8
 \end{array}$$

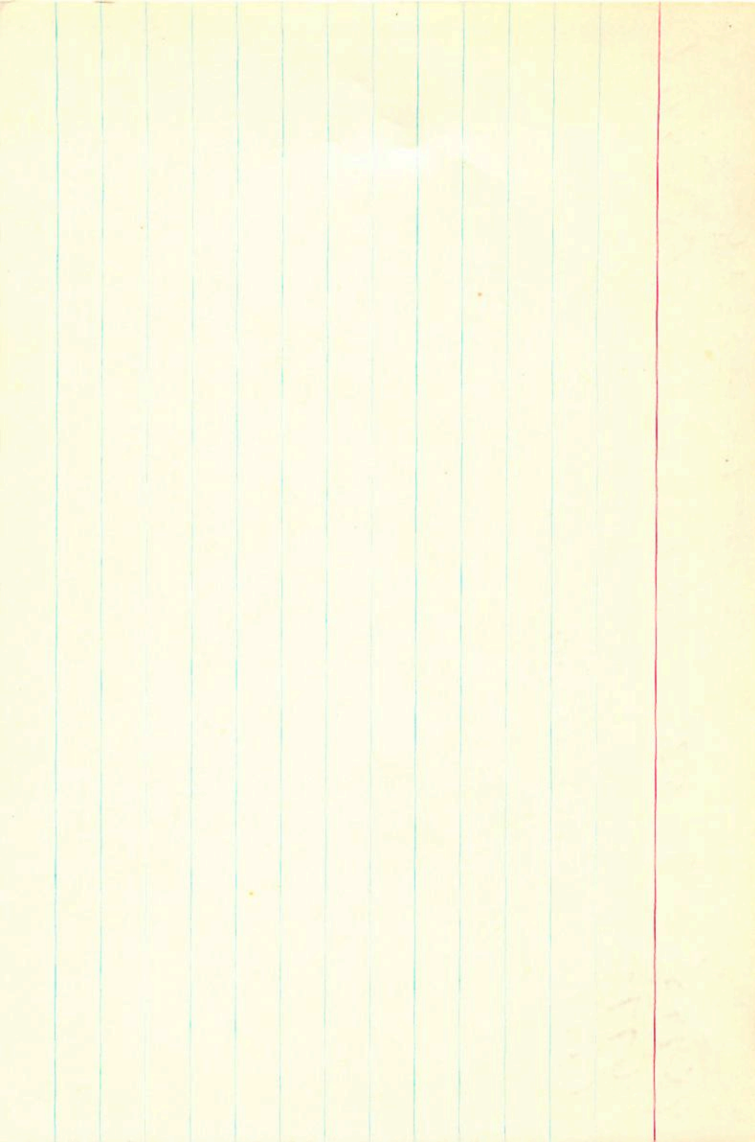
40.1

$$\begin{array}{r}
 45.387 \\
 \hline
 346 \\
 \hline
 +.164
 \end{array}$$

$$\begin{array}{r}
 26.81 \\
 -31 \\
 \hline
 26.50
 \end{array}$$

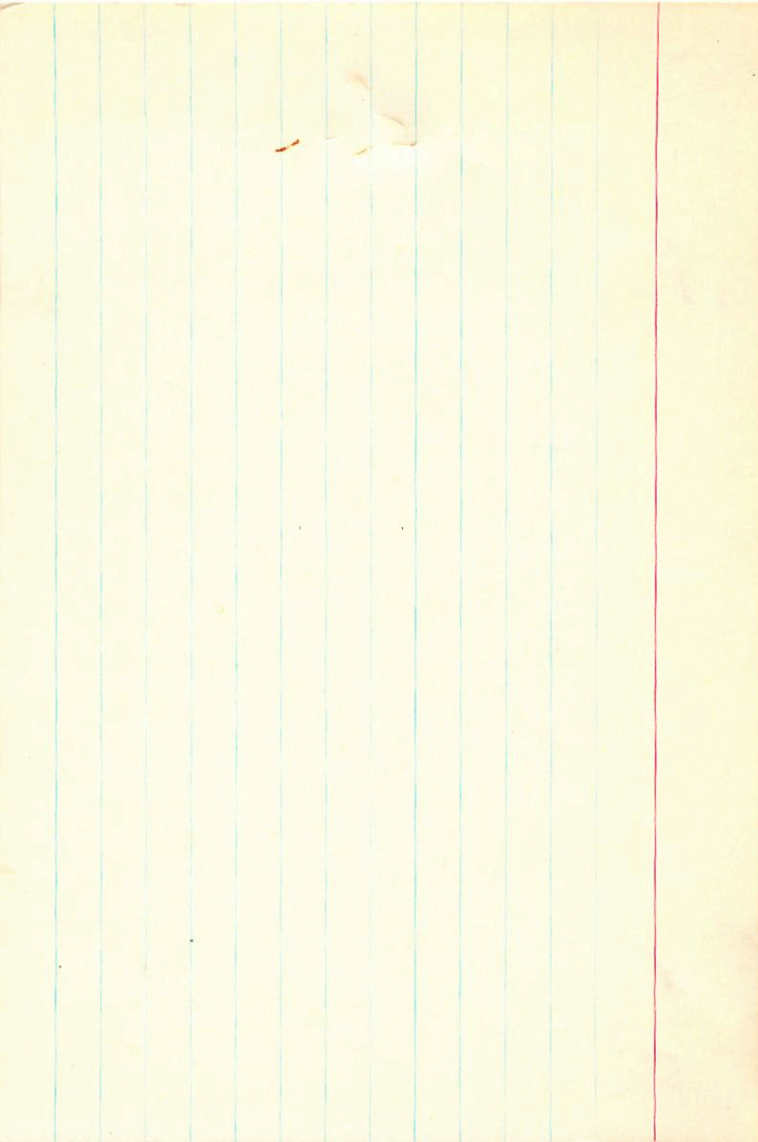
1945.04

$$\begin{array}{r}
 26.50 \\
 -3.04 \\
 \hline
 26.96
 \end{array}$$



85-841 9 5-4.0 +73 07 6.0 9143 +3.68
13684 ~~Q340~~ 4
417 ③

6349 -0173⁴ -038 N30
-0170±1.3 -042±1.4 GL→W30



(over)

86133

1708 7549

W6351/2

W6351/2

294(29)

86133

13692(A)

13693(10)

6351/2

7441

6078

1265

9

31"

bm=0.78

16.808

848

17.652

17.103

116

43.767

33.247

17.057

17.054

6472

268

54.3

100

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

1058

-0163 ± 3.7

-0154

54.3

100

1058

1058

1058

1058

1058

1058

1058

1058

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1058

1058

1058

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1058

-019 ± 2.7

-014

54.3

100

1058

1058

1058

1058

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-015

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-015

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-015

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-015

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-015

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563-827 342 540 -230 -0.9 +28.4 -006 +100055
129003 130005 558914 +26.7 -22 +15

03

-2 +45 +7

[+43 -16 -2]

-5 +41 +6

035

[+40 -14 +1]

3

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

888.00

9.900
20.000
-235.000
-7.000
3.110
42
28.400

-0.779
0.318
0.540
805.008
49.055

0.127
0.924

86249 9 5#2 -40 33 124 \pm 89 (5/4)

1507

11374

859 + 96 (210)

147

847 548 503287

02840 up

-138 -067

1507

030

450

624

1128 002

146-052

142
-52
202
125

14

P.A. : 0.000
DEC. : -40.000
R.A. : -100.000
DEC. : -20.000
TANG. : 0.000
DULUS : 0.000
VEL. : -10.000

11 (U) : 0.000
12 (U) : 0.000
13 (U) : -0.000
14 : 0.000
15 : 0.000

16 (U) : 0.000
17 (U) : 0.000
18 : 0.000
19 : 0.000
20 : 0.000

21 : 0.000
22 : 0.000
23 : 0.000
24 : 0.000
25 : 0.000
26 : 0.000

R.A. : 9.900
DEC. : -40.550
R.A. : -192.000
DEC. : -52.000
STANCE : 2.650
MODULUS : 34
VEL. : -12.500

q1 (U) : -0.779
q2 (U) : 0.627
q3 (U) : -0.011
dU : 384.316
U : 13.163

q1 (V) : 0.127
q2 (V) : 0.140
q3 (V) : -0.982
dV : -121.921
V : 8.145

q1 (W) : 0.614
q2 (W) : 0.767
q3 (W) : 0.188
dW : -613.502
W : -23.140

14

86146

9 546 441 18

FSD

HR3925

5.14 + 46 005

10.5 unit

GL13700

-88 00000

15L mi

.300 .165 .457 10502

2.6556

509 d

303

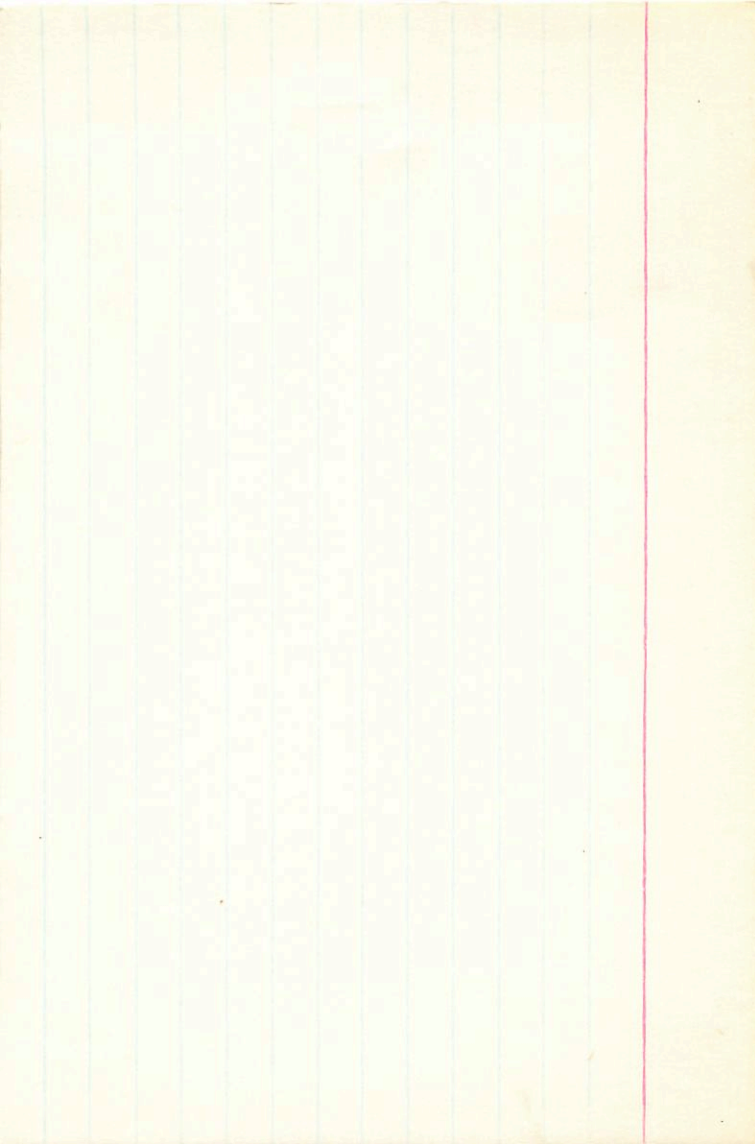
[m] 219 +8

[L] 397 ⁺³⁰/₊₃₈

2.30 +5.8 -5.6 -16.9

+408 -193 -320

1 Cat



86264

9545

+10.9 (3)

13647

-085±4.0

000 = 83

30.40044.5

-0058 +024

43.5327.1

426
826

-0058 +031

30.410

64.576

41.65

-0058 +0275

12
422

13
41.75

-00587 -0286

30.407

64.71

-0789

41.16
12
41.28

-076-025

13
424

7110

-9965

0778

6118

-0834

0186

8.6

1773433

9 54.6 -27 14

+14 ± 23

80/1

86087

NO

Q202

-084 + 22

1140
+140

1140

8740 - 9019
859
4320
+ 816
0102
4.56

-0262 + 75 + 02456.7

-0060 + 017

13-13 95

132
1448

1754 2016

1754 2016

08.441 977

324
468

30.645 33.51

9.850

38808

14
1.527

849

649

-672

13.41

1402

121

13181

-0061 + 0205

-00614 + 0216

-0819

-079 + 025

3931

9

545

-26

81

6.27+22

now

now

0065-021

Get

111-000

(4) 514 6.014

6.27

123

191

879

2.834

3.7

084

(2)

(855)

0005

00000000

30.400 99.9

43.53 97.1

0067 twy

979

12000000

-023
-025

192

0530

(14880-)

12

30410 6956

4114

1929

4114

176971

4114

4114

4114

142254

15 51.8 - 42 28 20V

50

6.68 + 0.40 - 0.06 C

[m₁₁] 184

.263 .142 .489 2.674 (2) 14, 13, 6, 13

[c₁₂] 436

3.50

+23.0 - 8.1 + 1.9

- 60 61 - 720
- 33

+154 - 302 + 89

$$\begin{array}{r} -0027 \pm 2.0 \\ -0027 \\ -018 \end{array}$$

26 Leo

86359

$$9 \ 55.5 + 15 \ 28 \ 29 \ 67 \ 47.2 \ 8$$

$w(13)$

GC13720

$$7.6 \ -0030 \ -015 \ 100000$$

w6360

$w(+2.3)$

$$\boxed{043 \ -015}$$

$$28.75-1 \ 1896.5 \ +15 \ 27 \ 38.16 \ 1888.7$$

$$\begin{array}{r} 144 \\ 28.893 \end{array}$$

$$\begin{array}{r} 1.29 \\ 39.45 \end{array}$$

$$\begin{array}{r} 28.763 \\ 15 \\ 778 \end{array}$$

$$38.46 \ 1933.8$$

$$\begin{array}{r} -03952 \ -021 \pm 2 \ 62 \\ -044 \ -017 \ 2 \\ \hline -041 \ -019 \end{array}$$

(41.1)

$$\begin{array}{r} 28.706 \\ +14 \\ \hline 779 \end{array}$$

$$38.75 \ 1938.58$$

$$\begin{array}{r} 112.94 \\ 37.65 \end{array}$$

$$\begin{array}{r} 38.75 \\ +2 \\ \hline 39.77 \end{array}$$

$$\begin{array}{r} 37.0 \\ 48.9 \end{array}$$

$$\begin{array}{r} 38.08 \\ +14 \\ \hline 35.22 \end{array}$$

$$1940.16$$

$$\begin{array}{r} 28.751 \\ +14 \\ \hline 765 \end{array}$$

517 -856 267 564 -041-019 H7.2 -005+5-085 ✓
021003 035 004 081 180 +16.6 -14+9

-5+29-4 009

+23 -15-3

$$-0013 \pm 7.8 + 005 \pm 5.6$$

$$-0011$$

$$86335 \quad 9 \quad 56.2 + 56 \quad 43 \quad 7.3 \quad 910 + 13.38$$

$$13732$$

$$6365$$

$$10.210 \quad 1908.6 \quad +56 \quad 42 \quad 51.74 \quad 1905.0$$

$$\begin{array}{r} 51 \\ 264 \end{array}$$

$$\begin{array}{r} 22 \\ 51.52 \end{array}$$

$$\begin{array}{r} 26.96 \\ 43.442 \\ \hline 10.402 \\ 214 \\ \hline 189 \\ 187 \end{array}$$

$$10.264$$

$$\begin{array}{r} -43 \\ 221 \end{array}$$

$$10.268$$

$$\begin{array}{r} 272 \end{array}$$

$$30.3$$

$$\begin{array}{r} 690 \\ 230 \\ \hline -034 \end{array}$$

$$\begin{array}{r} 59.6 \\ 7.78 \\ \hline 51.82 \\ 45 \end{array}$$

$$\begin{array}{r} 51.16 \\ \hline -36 \end{array}$$

$$50.88$$

$$51.33 \quad 1944.67$$

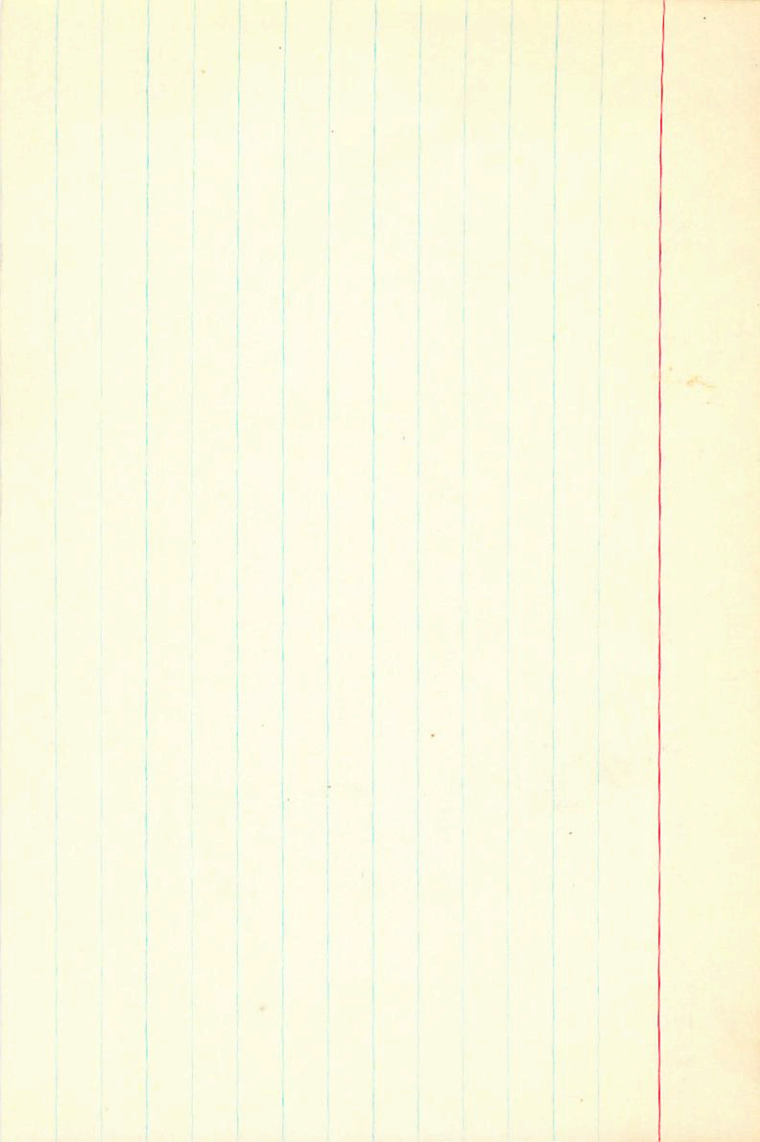
$$51.24$$

$$38.9$$

$$51.32 \quad 1947.14$$

$$\begin{array}{r} -2 \\ 51.30 \end{array}$$

$$33.9$$



86675

-61373

6613734

9 56.3 -61 42

7.06 1508

~~188~~
19.563

4.2

-0041 ± 7.5 + 016 ± 6.3

-0049

+011

34.15

1.5

.751

-0034

+011

-25

34.94

-0039

14.550

46.3

33.80

6
544

-0039 + 012

-6.5
4.8

-00347 + 0156

34

8.2

412904

-0282

-025 + 019

34776

44935

26.76

25.15

9823

-8824

0314

0003

0.15

0033

7.34

19651

19652

1/671

71.74

33.94

9.68

54.24

40

54.64

54.64

54.64

19.462

+24

486

-22

3416

86378

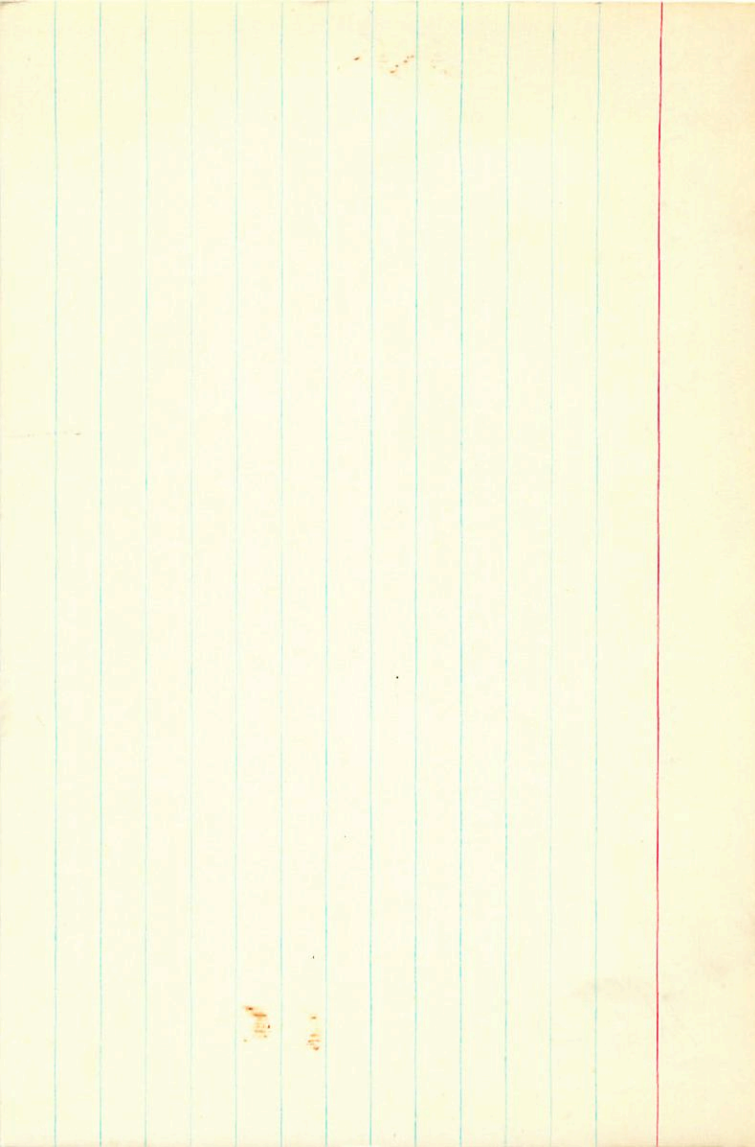
13735

6367

9 56.4 +57 03 5.7 ^{125 III} 9K5 -13.2a

²²
-0026 -032 N30

-0035 ± 2.3 -033 ± 2.0 GL \rightarrow N30



3945

9 57.1 43 38 AS

86611

13746

+8

W350

10940 +0203

10942 +0183

6.69 +28 +06 C

174 174 821 506

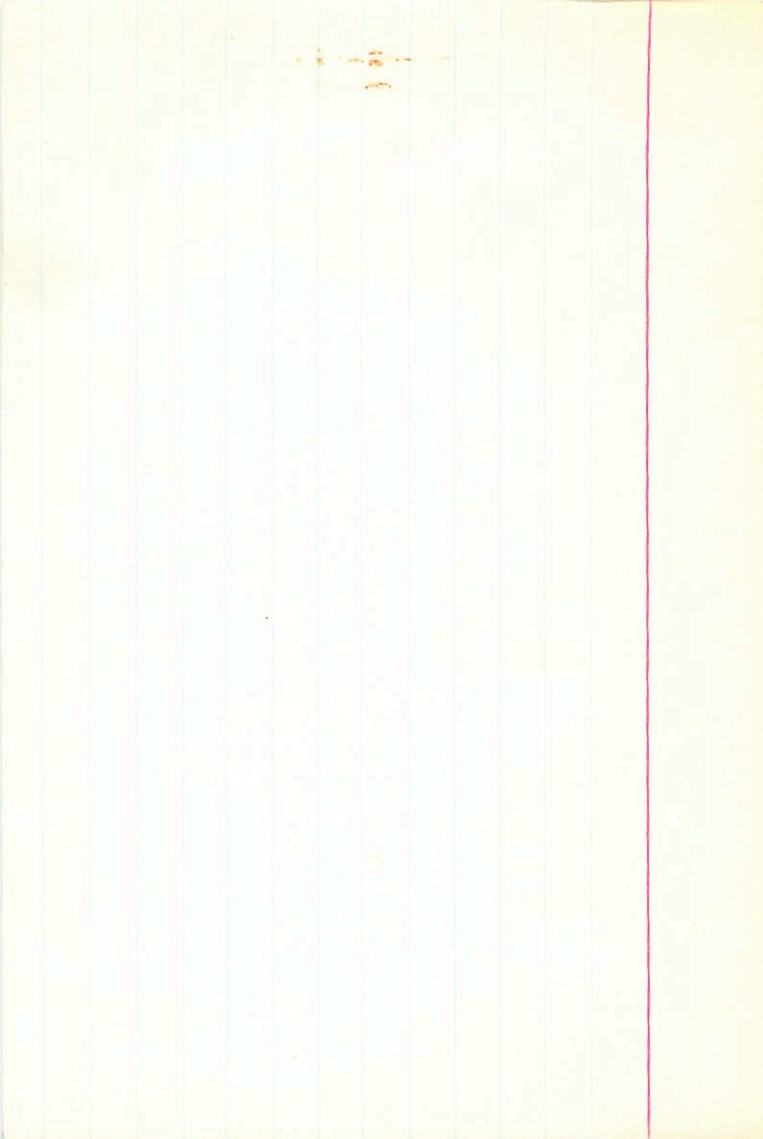
-0047=15

7.483 2.4

-0647

$\boxed{-063 +022}$

2418 -9955 0648
6105 0947 -0154
906



7100 9 57.4 +0.8 17 2m2 +23.4e

HR3950

4.59 +1.67

m2 111 -033 -027 F123

86663
13755
6375

-0.9 w3

103

-031 -028 GC
-021 -026 N20

-0021 -026 N30

-032 -027

-0021 ± 0.8 -027 ± 0.8 GC → N30

+17-23 +6

013

+18-29 -1

0075

508 -862 144 550 -081 -027 +23.42 -004 +3 -126
 016 002 -027 003 042 137 +23.2 -20 +12 012

$$\begin{array}{r} -15 +24 -7 \\ \hline +17 -23 +4 \end{array}$$

008

$$\begin{array}{r} -12 +29 -13 \\ \hline +18 -29 -1 \end{array}$$

3195-52

-0216 ± 4.5 - 460 ± 3.6
-0207 - 456

86661 9 58.3 + 55 50 8.3 dN0 + 23.48

7-95 456 245 333 (2)

13765

6377

16.482 1898.2 + 55 49 55.92 1895.0

1.119

20252

17.601

+ 4.71

(40.8)

35.068

42.178

11.71

32-52

17.228

262.67

1029

1/9

637

16.756

845

16.649

636

16.540

5-94

25.30

21.22

19.2

10.20

8.00

-94

7.06

7.7

5.03

58.95

-24

58.41

57.80

-2

57.76

1544.56

139

1547.14

1.17

-20.05

39.0

444.0

1343

1342

1341 1340 1339 1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326 1325 1324 1323 1322 1321 1320 1319 1318 1317 1316 1315 1314 1313 1312 1311 1310 1309 1308 1307 1306 1305 1304 1303 1302 1301 1300 1299 1298 1297 1296 1295 1294 1293 1292 1291 1290 1289 1288 1287 1286 1285 1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272 1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259 1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245 1244 1243 1242 1241 1240 1239 1238 1237 1236 1235 1234 1233 1232 1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218 1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205 1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191 1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178 1177 1176 1175 1174 1173 1172 1171 1170 1169 1168 1167 1166 1165 1164 1163 1162 1161 1160 1159 1158 1157 1156 1155 1154 1153 1152 1151 1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138 1137 1136 1135 1134 1133 1132 1131 1130 1129 1128 1127 1126 1125 1124 1123 1122 1121 1120 1119 1118 1117 1116 1115 1114 1113 1112 1111 1110 1109 1108 1107 1106 1105 1104 1103 1102 1101 1100 1099 1098 1097 1096 1095 1094 1093 1092 1091 1090 1089 1088 1087 1086 1085 1084 1083 1082 1081 1080 1079 1078 1077 1076 1075 1074 1073 1072 1071 1070 1069 1068 1067 1066 1065 1064 1063 1062 1061 1060 1059 1058 1057 1056 1055 1054 1053 1052 1051 1050 1049 1048 1047 1046 1045 1044 1043 1042 1041 1040 1039 1038 1037 1036 1035 1034 1033 1032 1031 1030 1029 1028 1027 1026 1025 1024 1023 1022 1021 1020 1019 1018 1017 1016 1015 1014 1013 1012 1011 1010 1009 1008 1007 1006 1005 1004 1003 1002 1001 1000 999 998 997 996 995 994 993 992 991 990 989 988 987 986 985 984 983 982 981 980 979 978 977 976 975 974 973 972 971 970 969 968 967 966 965 964 963 962 961 960 959 958 957 956 955 954 953 952 951 950 949 948 947 946 945 944 943 942 941 940 939 938 937 936 935 934 933 932 931 930 929 928 927 926 925 924 923 922 921 920 919 918 917 916 915 914 913 912 911 910 909 908 907 906 905 904 903 902 901 900 899 898 897 896 895 894 893 892 891 890 889 888 887 886 885 884 883 882 881 880 879 878 877 876 875 874 873 872 871 870 869 868 867 866 865 864 863 862 861 860 859 858 857 856 855 854 853 852 851 850 849 848 847 846 845 844 843 842 841 840 839 838 837 836 835 834 833 832 831 830 829 828 827 826 825 824 823 822 821 820 819 818 817 816 815 814 813 812 811 810 809 808 807 806 805 804 803 802 801 800 799 798 797 796 795 794 793 792 791 790 789 788 787 786 785 784 783 782 781 780 779 778 777 776 775 774 773 772 771 770 769 768 767 766 765 764 763 762 761 760 759 758 757 756 755 754 753 752 751 750 749 748 747 746 745 744 743 742 741 740 739 738 737 736 735 734 733 732 731 730 729 728 727 726 725 724 723 722 721 720 719 718 717 716 715 714 713 712 711 710 709 708 707 706 705 704 703 702 701 700 699 698 697 696 695 694 693 692 691 690 689 688 687 686 685 684 683 682 681 680 679 678 677 676 675 674 673 672 671 670 669 668 667 666 665 664 663 662 661 660 659 658 657 656 655 654 653 652 651 650 649 648 647 646 645 644 643 642 641 640 639 638 637 636 635 634 633 632 631 630 629 628 627 626 625 624 623 622 621 620 619 618 617 616 615 614 613 612 611 610 609 608 607 606 605 604 603 602 601 600 599 598 597 596 595 594 593 592 591 590 589 588 587 586 585 584 583 582 581 580 579 578 577 576 575 574 573 572 571 570 569 568 567 566 565 564 563 562 561 560 559 558 557 556 555 554 553 552 551 550 549 548 547 546 545 544 543 542 541 540 539 538 537 536 535 534 533 532 531 530 529 528 527 526 525 524 523 522 521 520 519 518 517 516 515 514 513 512 511 510 509 508 507 506 505 504 503 502 501 500 499 498 497 496 495 494 493 492 491 490 489 488 487 486 485 484 483 482 481 480 479 478 477 476 475 474 473 472 471 470 469 468 467 466 465 464 463 462 461 460 459 458 457 456 455 454 453 452 451 450 449 448 447 446 445 444 443 442 441 440 439 438 437 436 435 434 433 432 431 430 429 428 427 426 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403 402 401 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378 377 376 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328 327 326 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303 302 301 300 299 298 297 296 295 294 293 292 291 290 289 288 287 286 285 284 283 282 281 280 279 278 277 276 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253 252 251 250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

x4 Leo

9 58.4 +17 39

0.25

-37.5

+18.2307

+056 -051 A612

-51.8 Orbit

100
+17.65

58
-57

3.81
-37.5

XY Dec

AC Dec 6

9 56 11 +17
58 55
59 28
59 35

58.5 1900
39.1 1950
36.2 1960
35.6 1972

30 + 1802307

10041-040

AC

9 54 46 +17

56.3 1900

57 31

80 + 1802302

42.1 1950

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39.3 1960

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38.9 1972

10.0 - 10.7 0.28 x 4

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0.50 AC

(AC) - 0013 + 014 Penni

40.5

9.4 00 1504

104 55 - 00526 Yale

-2258 - 0648

40 - 0027

4014 Bardonia

-781 342 522

+0323 - 1720

-128 - 10.5 - 23

-58 + 8.0 + 2

129 907 - 4000

+1706 - 0464

+130

+5.5 - 15.0 - 21

611 245 - 752

K



10.000
17.650
58.000
-51.000
3.610
53
-37.500

-0.789
0.346
0.507
-290.443
-35.609

0.144
0.987
-0.395
-161.674
4.326

0.597
0.239
0.766
98.542
-23.020

86986 9 55.8 114 48 A1 12

6-4 411 61
1095 119 1.26L

999+12+16

+12.6

10096 - 227 GC

~~1176~~

10097 - 215 new (3)

2. 10098

141 - 220

150 - 202 AGN3

(119.0)

1145 - 211

1146 - 208

