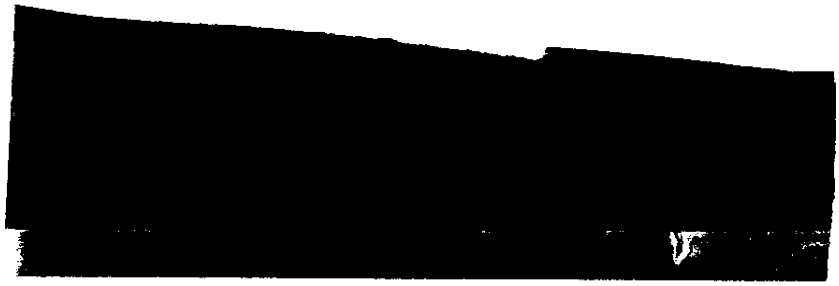

MAGSAT

LOW LATITUDE SCALAR ANOMALY VALUE
79-094A-01M

65S - 65N VECTOR ANOMALY COMPS
79-094A-02T

MAGSAT

LOW LATITUDE SCALAR ANOMALY VALUE

79-094A-01M

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN EBCDIC. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER IS AS FOLLOWS:

DR#	DS#	D#	FILES
DR005285	DS005285	D047285	1

REQ. AGENT	RAND NO.	ACQ. AGENT
DEW	V0120	HKH

MAGSAT

LOW LATITUDE SCALAR ANOMALY VALUE

79-094A-01M

This data set consists of 1 data tape. This tape is 1600 BPI, 9 track, EBCDIC with one file of data. The tape was created on the IBM 360 computer. The D and C numbers are as follows:

D#	C#
D-47285	C-22067

79-094A-01M

January 19, 1982

MAGSAT LOW-LATITUDE SCALAR ANOMALY VALUE TAPE

Version 1, Relative to MGST(4/81) Spherical Harmonic Model. January 8, 1982.

Original Tape: OF 7527

FORMAT SPECIFICATIONS:
NON LABELED,9track 1600 BPI
DCB = (RECFM = FB, LRECL = 80, BLKSIZE = 800, DEN = 3)

CONTENTS:

READ (5,100) ALAT, ALON, AN, DB, ALT, SIG, CON, S
100 Format (8F10.4)

- Obtains one 2^0 by 2^0 average scalar anomaly value

- Where:

ALAT:	Geocentric Latitude	center of $2^0 \times 2^0$ area
ALON:	Longitude	
AN :	# of points in $2^0 \times 2^0$ average	
DB :	Average scalar anomaly value	
ALT :	Average altitude	
SIG :	Standard Deviation	
CON :	Standard Error of the mean	
S :	Spare (unused)	

D47285
Magsat
Low Lat Scalar Anomaly value

```
$ASS IN MT1
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED FL=3=3

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   800
  -50.0000     0.0       20.0000     3.8128  423.1992     4.4541     0.996099999.0000  -50.0000     2.000
0   18.0000     0.5111  421.8931     3.6449     0.859199999.0000  -50.0000     4.0000   23.0000     2.56
18  430.5181     3.7286     0.777599999.0000  -50.0000     6.0000   18.0000     1.8285  415.6279     3.9
929     0.941199999.0000  -50.0000     8.0000   20.0000     2.1950  407.3618     2.6312     0.588499999.
0000  -50.0000   10.0000   18.0000     2.2404  413.9573     2.4640     0.580899999.0000  -50.0000    12
.0000   17.0000     3.0540  408.5796     2.1422     0.519699999.0000  -50.0000   14.0000   19.0000
2.8374  405.1272     3.4467     0.790799999.0000  -50.0000   16.0000   22.0000     1.7005  438.3879
 2.7673     0.590099999.0000  -50.0000   18.0000   24.0000     2.6934  412.0269     3.3274     0.679299
999.0000

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   800
  -50.0000   20.0000   20.0000     0.6765  432.2517     3.1158     0.696799999.0000  -50.0000    22.000
0   20.0000    -0.8610  432.6277     3.4950     0.781599999.0000  -50.0000   24.0000   17.0000    -2.12
53  426.9084     3.8800     0.941099999.0000  -50.0000   26.0000   20.0000    -3.9124  419.3650     3.8
404     0.858799999.0000  -50.0000   28.0000   20.0000    -2.4933  436.8601     4.0035     0.895299999.
0000  -50.0000   30.0000   19.0000    -3.4236  413.0251     4.1992     0.963499999.0000  -50.0000    32
.0000   17.0000    -1.8327  417.0596     3.5219     0.854299999.0000  -50.0000   34.0000   21.0000    -
2.3255  430.0151     2.9979     0.654299999.0000  -50.0000   36.0000   16.0000    -2.0638  382.5713
 2.5029     0.625799999.0000  -50.0000   38.0000   20.0000    -1.6052  443.3689     2.6598     0.594799
999.0000

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   800
  -50.0000   40.0000   22.0000    -1.7168  428.7981     2.2242     0.474299999.0000  -50.0000    42.000
0   16.0000    -2.4504  411.2002     2.1499     0.537599999.0000  -50.0000   44.0000   20.0000    -3.78
82  428.8406     3.0283     0.677199999.0000  -50.0000   46.0000   19.0000    -5.8822  427.1887     3.1
343     0.719199999.0000  -50.0000   48.0000   21.0000    -8.0178  420.7122     2.6971     0.588699999.
0000  -50.0000   50.0000   24.0000    -7.5068  417.0618     2.3897     0.487899999.0000  -50.0000    52
.0000   17.0000    -6.8666  406.0293     3.4249     0.830799999.0000  -50.0000   54.0000   22.0000    -
6.5420  403.6897     4.8261     1.028999999.0000  -50.0000   56.0000   17.0000    -5.8822  413.4133
 3.5594     0.863399999.0000  -50.0000   58.0000   24.0000    -5.2676  429.6816     4.3251     0.882999
999.0000

 TAPE NO.   1              FILE NO.   1
 RECORD   922              LENGTH   800
   50.0000  320.0000   22.0000    -6.5643  369.4958     2.8807     0.614299999.0000   50.0000   322.000
0   18.0000    -4.4754  380.3984     2.9530     0.696099999.0000   50.0000  324.0000   23.0000    -4.00
81  389.0247     2.7365     0.570699999.0000   50.0000  326.0000   18.0000    -2.6757  384.8826     2.5
759     0.607199999.0000   50.0000  328.0000   19.0000    -1.0849  399.7905     2.5638     0.588299999.
0000   50.0000  330.0000   21.0000    -2.9195  371.6702     3.0289     0.661099999.0000   50.0000   332
.0000   25.0000    -2.2246  374.1089     3.3051     0.661099999.0000   50.0000  334.0000   19.0000    -
0.7413  389.2327     2.4716     0.567099999.0000   50.0000  336.0000   22.0000    -1.9206  374.9121
 2.7340     0.582999999.0000   50.0000  338.0000   25.0000     0.5857  402.7510     2.4220     0.484499
999.0000

 TAPE NO.   1              FILE NO.   1
 RECORD   923              LENGTH   800
   50.0000  340.0000   15.0000     0.7586  397.3850     1.6001     0.413299999.0000   50.0000   342.000
0   24.0000     0.8325  407.7896     2.2669     0.462799999.0000   50.0000  344.0000   15.0000     1.72
23  409.0171     2.3914     0.617499999.0000   50.0000  346.0000   25.0000     1.2078  373.4338     2.6
557     0.531199999.0000   50.0000  348.0000   17.0000    -0.3108  386.4072     2.9027     0.704099999.
0000   50.0000  350.0000   18.0000    -2.3779  397.3306     2.6254     0.618899999.0000   50.0000   352
.0000   22.0000    -3.4424  375.5967     3.9716     0.846899999.0000   50.0000  354.0000   22.0000    -
2.2132  377.9102     2.5327     0.540099999.0000   50.0000  356.0000   21.0000    -2.4441  373.6719
 1.7890     0.390499999.0000   50.0000  358.0000   23.0000    -3.4354  379.4431     1.9202     0.400499
```

```
999.0000

 TAPE NO.   1            FILE NO.   1
 RECORD   924            LENGTH    80
   50.0000  360.0000   16.0000   -3.3252  406.8567    1.5906    0.397699999.0000

***** JOB DONE.
$WEO LPS


$$
```

REQ. AGENT
DHG

RAND NO.

ACQ. AGENT
HKH

MAGSAT

65S - 65N VECTOR ANOMALY COMPS

79-094A-02T

This data set consists of one tape with four files, the first three being data files, and the last a documentation file. The tape is 6250 bpi, EBCDIC and was created on an IBM 3101. The 'D' number and 'C' number follow.

D-74943 C-26396

79-094A-027

Listing of File 4 of tape

```
//XRMEPRD7 JOB (F8002,X22,2),'PURUCKER',TIME=(0,20),
//      CLASS=A,NOTIFY=XRMEP,MSGCLASS=X,REGION=2000K
/*JOBPARM LINES=100
//*
//*    JCL + FORTRAN = LIB.CNTL(READ7)
//*    READS MAGSAT VECTOR DATA AND WRITES OUT X,Y,OR Z
//*     COMPONENT DATA AND TO HARD COPY.
//*     THIS DATA FORMS THE BASIS FOR THE DELTA X, Y, AND Z
//*     PLOTS WHICH APPEAR IN THE GRL SPECIAL ISSUE
//*      FILE 1 ON DT0142 CONTAINS THE DELTA X DATA
//*      FILE 2 ON DT0142 CONTAINS THE DELTA Y DATA
//*      FILE 3 ON DT0142 CONTAINS THE DELTA Z DATA
//*      FILE 4 ON DT0142 CONTAINS THIS PROGRAM
//*
// EXEC FORTVCLG
//FORT.SYSIN DD *
      REAL*4  LAT,LON
      READ(12,30) IMIN,IMAX,JMIN,JMAX
 30   FORMAT(4I10)
      WRITE(6,31) IMIN,IMAX,JMIN,JMAX
 31   FORMAT(1X,4I10)
      WRITE(6,39)
 39   FORMAT(//,6X,'LATITUDE',5X,'LONGITUDE',5X,'COMPONENT VALUE',//)
      DO 333 I=JMIN,JMAX
      DO 334 J=IMIN,IMAX
      READ(12,40) LAT,LON,DC
 40   FORMAT(3F10.2)
      WRITE(6,335) LAT,LON,DC
 335  FORMAT(1X,3F15.2)
 334  CONTINUE
 333  CONTINUE
      END
//LKED.SYSLIB DD
//*O.FT12F001 DD DUMMY
//GO.FT12F001 DD DISP=(OLD,KEEP),UNIT=(6250,,DEFER),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=6400),
//   LABEL=(1,NL,,IN),VOL=SER=DT0142
// EXEC NTSO
```