000

044001



# REPORT ON REPROCESSING OF GRAVITY DATA, VOYAGERS 9, 19 and 29, E.L.27/76 ELLIOTT BAY, TASMANIA.

by
Philip McInerney Feb.1986





Distribution List:

1. Mines Dept., Tasmania
2. Gordon (Library).
3. Gordon (Spare).
4. Geophysics, Perth.

TABLE OF CONTENTS



APPENDICES

## 1.0 INTRODUCTION

Exploration Licence 27/76 (Elliott Bay) is located in the far south-west of Tasmania. Gravity surveys were conducted over three high priority prospects (Voyagers 9, 19, & 29) in late 1981. The data were processed by, and reported on by Geopeko's Devonport based geophysicist (John Sumpton). That report (Sumpton, 1982) included comprehensive comments on data aquisition, processing and interpretation and presented the results as plots of Bouguer gravity anomaly profiles and plans. Tabulations of the raw data were not included. The scope of this report is to provide those raw data.

## 2.0 SUMMARY

The data from the Voyagers 19, 29 and 9 gravity surveys has been reprocessed by the present author and is presented in Appendices 1-4. The material available to the present author for this work included :-

(i) most of the original field books
(ii) quite complete office tabulations
(iii) HP85 computer tape files from Sumpton's work

Reprocessing was considered neccessary because of a significant error in the previously reported Bouguer gravity anomaly values. This error was primarily a simple level shift. No replotting or re-interpretation of the data has been done; all comments on data aquisition and processing and all interpretation by Sumpton (op. cit.) are still valid. A few additional comments, relative to the reprocessing, are made.

## 3.0 COMMENTS ON DATA AQUISITION

Fairly comprehensive comments on data aquisition are provided by Sumpton (1982). The following additional comments are neccessary.

### 3.1 TIE TO THE AUSTRALIAN GRAVITY NETWORK

The survey was tied to a gravity station at Strathan Airport (BMR station no. 6491.9136). The gravity value quoted by Sumpton (viz. 9 803 716.9 micrometres/sec/sec) is an Isogal65 value, and relates to the Potsdam datum; for reducing observations on this datum the 1930 International Gravity Formula must be used (Wellman et al,1985).

Sumpton provides no details as to exactly how this gravity tie to the Voyager 19 'BASE' was made, nor is there an estimate of the accuracy of the tie.

### 3.2 ELEVATION CONTROL

Sumpton (op.cit.) notes that all grids were optically levelled, and that Voyagers 19 and 29 were tied to A.H.D. The Voyager 9 levels were relative to an arbitrary datum. The present author used Geopeko Plan No. KT27/76-5A, which shows both the Voyager 9 grid and regional 50 foot elevation contours, to relate the Voyager 9 R.L.'s to A.H.D. approximately. A correction of 50m was subtracted from the R.L.'s used by Sumpton. The accuracy of this correction factor is probably +/- 5m.

The regional traverse was levelled using aneroid barometers, and was tied to sea-level, with some stations checked with survey equipment. This traverse included Voyager 9, 10850N, 10000E; the barometrically determined height (Appendix 4) was 77.91m as compared to the elevation determined by the present author using the method described above (73.42m).

### 3.3 GEOGRAPHICAL CONTROL

Plans included in Sumpton's (1982) report show the Voyagers 19 and 29 grids to be oriented parallel to the A.M.G. grid. The present author used these plans to determine Helmert transformation parameters to convert local grid coordinates to A.M.G. coordinates; these were then used to compute latitudes for use in computing the theoretical gravity of each station (latitude correction).

For the Voyager 9 grid, plans in Sumpton's report also show A.M.G. details; these differ significantly from the plotted position of Voyager 9 on Geopeko Plan No. KT27/76-5A, however, and the present author chose the latter plan to compute Helmert transformation parameters to relate Voyager 9 to A.M.G. The A.M.G. coordinates of Voyager 9, 10850N, 10000E computed using the parameters so determined are very similar to those used by Sumpton for the position of this station in the `regional' gravity line (Appendix 4).

The present author has no information, nor does Sumpton comment on, how `true' these three grids are on the ground.

## 4.0 COMMENTS ON DATA PROCESSING

### 4.1 REPROCESSING BY McINERNEY

The Bouguer computations by the present author were achieved using formulae recommended by the B.M.R. (Wellman et. al.,1985). Since the survey was tied the Potsdam datum the theoretical gravity at each station was computed using the 1930 International Gravity Formula:

$$g(1930) = 9\ 780\ 490\ (1.0 + 0.005\ 2884\ \mathrm{Sin}^2\phi - 0.000\ 0059\ \mathrm{Sin}^2 2\phi)\ \mu m/s/s$$

where $\phi$ is the latitude of the gravity station. The free-air and Bouguer correction factors accepted by the B.M.R., and used here, are:

| (free-air) | | (Bouguer) |
|---|---|---|
| +3.086h | - | $0.419 \rho h\ \mu m/s/s$ |

where h is height above the datum in metres and $\rho$ is the selected Bouguer density ($tm^{-3}$).

### 4.2 BOUGUER DENSITY

Sumpton used a Bouguer density of 2.52 $tm^{-3}$. This value was also used in the present reprocessing of the data.

### 4.3 TERRAIN CORRECTIONS

Terrain correction factors were calculated for the Voyager 19 grid. Three different methods were used :-

(i) using Hammer's (1939) charts. Computed by Leaman Geophysics (Leaman, 1981).

(ii) using Nagy's (1966) method as updated by Goodacre (1973). Computed by Duffin (1982).

(iii) using Bott's (1959) method. Also computed by Duffin (op. cit.).

The "TERRAIN CORRECTIONS" listed with each data set in Appendix 1 are in units of $\mu$m/s/s for a density of 1 $tm^{-3}$. Where no terrain correction was computed there is a '0.00' value shown. There is very little difference between the three data sets. In applying terrain corrections, the correction factor is multiplied by the selected Bouguer density (viz. 2.52 $tm^{-3}$ in this instance) and added to yield the corrected Bouguer gravity anomaly value.

Note that under the heading "BOUGUER GRAVITY" in each data set in Appendix 1 there are three subheadings :-

(i) NO T.C. -normal Bouguer gravity anomaly ($\rho$ = 2.52 $tm^{-3}$ ) without terrain corrections.

(ii) NAGY -Bouguer gravity anomaly ($\rho$ = 2.52 $tm^{-3}$ ) using the Nagy terrain correction as computed by Duffin.

(iii) HAMMER -Bouguer gravity anomaly ($\rho$ = 2.52 $tm^{-3}$ ) using the Hammer terrain correction as computed by Leaman.

A corrected Bouguer gravity anomaly value using the Bott terrain corrections was not computed since there is negligible difference between the Nagy and Bott factors computed by Duffin. Furthermore Duffin concluded that the Nagy factors were more correct.

4.4 EARLIER PROCESSING BY SUMPTON

There are significant differences between the Bouguer gravity values computed the present author and those computed by Sumpton (1982). The computer program employed by Sumpton for data reductions used formulae from Grant and West (1965). In that program a latitude correction at a 'datum latitude' is computed using the 1930 International

Gravity Formula as quoted previously. This is subtracted from all gravity stations. A second part of the latitude correction is computed based on the north-south distance of a station from the 'datum latitude'; viz.:

$$0.00812 \sin 2\phi * (\text{N-S dist.}) \ \mu\text{m/s/s}$$

where $\phi$ is the latitude and the distance is in metres. The free-air and Bouguer correction formulae used were :-

$$+3.086h - 0.418635\rho h$$

The major difference between the earlier and present results must be attributed to incorrect 'datum latitude' corrections being used in the earlier processing. The data processing printouts from Sumpton's work were not available to the present author, so the exact explanation for this error is not clear.

Other minor sources of differences between the old and new results are :-

(i) the different Bouguer correction factor used.

(ii) the different procedure for latitude correction. The greatest difference would be at stations well to the north or south of the 'datum latitude'.

(iii) correction of minor data entry errors,minor adjustment of base station values, etc. The Voyager 19 data were extensively checked against original field office tabulations and even original field books. The Voyager 9 and 29 computer data files were generally accepted without much more than cursory checking.

## 5.0 REFERENCES

BOTT, M.H.P., 1959. The use of electronic digital computers for the evaluation of gravimetric terrain corrections. Geophys. Prosp. V. 7, No. 1, p.45-54.

DUFFIN, R.H., 1982. Computer-assisted computation of gravity terrain corrections at Voyager 19, Elliott Bay, Tasmania. (unpub.) Geopeko Report. Forms Appendix 4 of Sumpton (1982).

GOODACRE, A.K.,1973. Some comments on the calculation of the gravitational and magnetic attraction of a homogeneous rectangular prism. Geophys. Prosp. V. 21, No. 1, p.66-69.

GRANT, F.S. and WEST, G.F., 1965. Interpretation Theory in Applied Geophysics. McGraw-Hill Book Company 584p.

HAMMER, S., 1939. Terrain corrections for gravimeter stations. Geophys. V. 4, No. 3, p.184-193.

LEAMAN, D.E., 1981. Terrain corrections for Geopeko Voyager 19 gravity survey. (unpub.) Report by Leaman Geophysics. Forms Appendix 3 of Sumpton (1982).

NAGY, D., 1966. The gravitational attraction of a right rectangular prism. Geophys. V. 31, No. 2, p.362-371.

SUMPTON, J., 1982. Report on gravimeter survey, Elliott Bay E.L. 27/76, Tasmania. (unpub.) Geopeko Report.

WELLMAN, P., BARLOW, B.C., and MURRAY, A.S., 1985. Gravity base-station network values, Australia. Bur. Min. Resour., Geol. & Geophys. Report 261.

# APPENDIX 1

## VOYAGER 19 GRAVITY DATA

(HP85 files "TG0001" - "TG0068")

*** Note: Bouguer Density 2.52 $tm^{-3}$ ***

Comments.

Coordinates and R.L.'s are in metres. R.L. datum is A.H.D.
Gravity values (Obs. & Bouguer) are in micrometres/sec/sec.
Observed Gravity datum : Potsdam.
Terrain Corrections are $\mu$m/s/s for density = 1.0 $tm^{-3}$.

"BOUGUER GRAVITY" subheadings:

| | |
|---|---|
| "NO T.C." | Bouguer gravity without terrain corrections. |
| "NAGY" | Bouguer gravity using Nagy T.C. (by Duffin). |
| "HAMMER" | Bouguer gravity using Hammer T.C. (by Leaman). |
| "SUMPTON" | Bouguer gravity as computed by Sumpton (1982) using the Hammer T.C. computed by Leaman. |
| "$\Delta$ -216.4" | Difference between "HAMMER" and "SUMPTON" less a constant (216.4). |

"TERRAIN CORRECTIONS" subheadings:

| | |
|---|---|
| "LEAMAN" | T.C. using Hammer's charts, comp. by Leaman. |
| "NAGY" | T.C. using Nagy/Goodacre method, by Duffin. |
| "BOTT" | T.C. using Bott's method, comp. by Duffin. |

```
**********************************
*    GEOPEKO GRAVITY SURVEY      *
**********************************

FILE          : TG0001
SURVEY NAME   :
VOYAGER 19 10000E 10/11/81

GRAV. METER   : W592
SCALE FACTOR:  1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : BASE
GRID NAME     :          VOYAGER 19
LOCAL       13099N       10001E
AMG       5251419N     379476E
OBS. GRAVITY:  9804432.7
BASE HEIGHT   :  153.14
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000001 | 13100 | 10000 | 153.30 | 9804432.8 |
| 3 | G(V19)000002 | 13150 | 10000 | 151.71 | 9804437.7 |
| 4 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804440.0 |
| 5 | G(V19)000004 | 13250 | 10000 | 149.58 | 9804440.9 |
| 6 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.7 |
| 7 | G(V19)000006 | 13350 | 10000 | 151.50 | 9804435.2 |
| 8 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |
| 9 | G(V19)000008 | 13450 | 10000 | 149.54 | 9804437.4 |
| 10 | G(V19)000009 | 13500 | 10000 | 145.65 | 9804444.9 |
| 11 | G(V19)000010 | 13550 | 10000 | 143.98 | 9804448.3 |
| 12 | G(V19)000011 | 13600 | 10000 | 140.25 | 9804454.7 |
| 13 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.8 |
| 14 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251419 | 379476 |
| 2 | 5251420 | 379475 |
| 3 | 5251470 | 379475 |
| 4 | 5251520 | 379475 |
| 5 | 5251570 | 379475 |
| 6 | 5251620 | 379475 |
| 7 | 5251670 | 379475 |
| 8 | 5251720 | 379475 |
| 9 | 5251770 | 379475 |
| 10 | 5251820 | 379475 |
| 11 | 5251870 | 379475 |
| 12 | 5251920 | 379475 |
| 13 | 5251620 | 379475 |
| 14 | 5251419 | 379476 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |
| 2 | 361.8 | 363.3 | 363.0 | .47 | .60 | .60 |
| 3 | 363.8 | 365.4 | 365.1 | .50 | .60 | .60 |
| 4 | 363.8 | 365.3 | 364.7 | .38 | .60 | .60 |
| 5 | 363.5 | 364.7 | 364.3 | .34 | .50 | .50 |
| 6 | 362.9 | 364.4 | 363.8 | .36 | .60 | .60 |
| 7 | 362.6 | 364.1 | 363.4 | .34 | .60 | .60 |
| 8 | 361.6 | 363.1 | 362.6 | .41 | .60 | .60 |
| 9 | 361.6 | 363.1 | 362.7 | .43 | .60 | .60 |
| 10 | 361.5 | 363.1 | 362.6 | .42 | .60 | .60 |
| 11 | 362.0 | | 362.9 | .35 | 0.00 | 0.00 |
| 12 | 361.2 | | 362.1 | .38 | 0.00 | 0.00 |
| 13 | 363.0 | 364.5 | 363.9 | .36 | .60 | .60 |
| 14 | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |
| 2 | 42 | 52 | 48.5825 | 145 | 31 | 27.1193 |
| 3 | 42 | 52 | 46.9621 | 145 | 31 | 27.1579 |
| 4 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |
| 5 | 42 | 52 | 43.7212 | 145 | 31 | 27.2351 |
| 6 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |
| 7 | 42 | 52 | 40.4804 | 145 | 31 | 27.3124 |
| 8 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |
| 9 | 42 | 52 | 37.2396 | 145 | 31 | 27.3896 |
| 10 | 42 | 52 | 35.6192 | 145 | 31 | 27.4282 |
| 11 | 42 | 52 | 33.9988 | 145 | 31 | 27.4669 |
| 12 | 42 | 52 | 32.3784 | 145 | 31 | 27.5055 |
| 13 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |
| 14 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 362.5 | | |
| | 363.0 | 146.6 | .0 |
| | 365.1 | 148.7 | .0 |
| | 364.7 | 148.3 | .0 |
| | 364.3 | 147.9 | .0 |
| | 363.8 | 147.4 | .0 |
| | 363.4 | 147.0 | .0 |
| | 362.6 | 146.2 | .0 |
| | 362.7 | 146.3 | .0 |
| | 362.6 | 146.2 | .0 |
| | 362.9 | 146.5 | .0 |
| | 362.1 | 145.7 | .0 |
| | 363.9 | | |
| | 362.5 | | |

U12

044013

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0002
SURVEY NAME :
VOYAGER 19 10000E 10/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : BASE
GRID NAME : VOYAGER 19
LOCAL 13099N 10001E
AMG 5251419N 379476E
OBS. GRAVITY: 9804432.7
BASE HEIGHT : 153.14

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000012 | 13050 | 10000 | 154.70 | 9804432.8 |
| 3 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.3 |
| 4 | G(V19)000014 | 12950 | 10000 | 159.07 | 9804424.1 |
| 5 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.7 |
| 6 | G(V19)000016 | 12850 | 10000 | 168.58 | 9804405.4 |
| 7 | G(V19)000017 | 12800 | 10000 | 172.40 | 9804398.5 |
| 8 | G(V19)000018 | 12750 | 10000 | 173.60 | 9804397.4 |
| 9 | G(V19)000019 | 12700 | 10000 | 177.25 | 9804389.5 |
| 10 | G(V19)000020 | 12650 | 10000 | 182.00 | 9804380.3 |
| 11 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |
| 12 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.3 |
| 13 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251419 | 379476 |
| 2 | 5251370 | 379475 |
| 3 | 5251320 | 379475 |
| 4 | 5251270 | 379475 |
| 5 | 5251220 | 379475 |
| 6 | 5251170 | 379475 |
| 7 | 5251120 | 379475 |
| 8 | 5251070 | 379475 |
| 9 | 5251020 | 379475 |
| 10 | 5250970 | 379475 |
| 11 | 5250920 | 379475 |
| 12 | 5251220 | 379475 |
| 13 | 5251419 | 379476 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |
| | 364.2 | 366.0 | 365.5 | .51 | .70 | .70 |
| | 364.6 | 366.6 | 366.4 | .70 | .80 | .80 |
| | 363.5 | 366.3 | 366.1 | 1.01 | 1.10 | 1.10 |
| | 364.1 | 367.9 | 367.1 | 1.20 | 1.50 | 1.50 |
| | 363.3 | 367.3 | 367.0 | 1.46 | 1.60 | 1.60 |
| | 363.8 | 368.3 | 368.1 | 1.70 | 1.80 | 1.80 |
| | 364.7 | 369.0 | 368.6 | 1.57 | 1.70 | 1.70 |
| | 363.9 | 368.7 | 368.4 | 1.79 | 1.90 | 1.80 |
| | 363.9 | 369.5 | 368.8 | 1.92 | 2.20 | 2.10 |
| | 364.9 | 370.0 | 370.0 | 2.02 | 2.00 | 1.90 |
| | 363.8 | 367.5 | 366.8 | 1.20 | 1.50 | 1.50 |
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |
| 2 | 42 | 52 | 50.2029 | 145 | 31 | 27.0806 |
| 3 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 |
| 4 | 42 | 52 | 53.4437 | 145 | 31 | 27.0034 |
| 5 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |
| 6 | 42 | 52 | 56.6845 | 145 | 31 | 26.9261 |
| 7 | 42 | 52 | 58.3049 | 145 | 31 | 26.8875 |
| 8 | 42 | 52 | 59.9253 | 145 | 31 | 26.8488 |
| 9 | 42 | 53 | 1.5457 | 145 | 31 | 26.8102 |
| 10 | 42 | 53 | 3.1661 | 145 | 31 | 26.7716 |
| 11 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |
| 12 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |
| 13 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 362.5 | | |
| | 365.5 | 149.1 | -.0 |
| | 366.4 | 150.0 | -.0 |
| | 366.1 | 149.7 | -.0 |
| | 367.1 | 150.7 | -.0 |
| | 367.0 | 150.6 | -.0 |
| | 368.1 | 151.7 | -.0 |
| | 368.6 | 152.3 | -.0 |
| | 368.4 | 152.0 | -.0 |
| | 368.8 | 152.4 | -.0 |
| | 370.0 | 153.6 | -.0 |
| | 366.8 | | |
| | 362.5 | | |

013

044014

# GEOPEKO GRAVITY SURVEY

FILE : TG0003
SURVEY NAME :
VOYAGER 19 10000E 9/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : BASE
GRID NAME : VOYAGER 19
LOCAL 13099N 10001E
AMG 5251419N 379476E
OBS. GRAVITY: 9804432.7
BASE HEIGHT : 153.14

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804389.6 |
| 3 | G(V19)000022 | 12550 | 10000 | 173.88 | 9804399.1 |
| 4 | G(V19)000023 | 12500 | 10000 | 176.80 | 9804393.7 |
| 5 | G(V19)000024 | 12450 | 10000 | 178.65 | 9804390.2 |
| 6 | G(V19)000025 | 12400 | 10000 | 180.28 | 9804387.8 |
| 7 | G(V19)000026 | 12350 | 10000 | 179.47 | 9804389.9 |
| 8 | G(V19)000027 | 12300 | 10000 | 174.17 | 9804402.7 |
| 9 | G(V19)000028 | 12250 | 10000 | 172.64 | 9804406.9 |
| 10 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |
| 11 | G(V19)000030 | 12150 | 10000 | 162.04 | 9804430.6 |
| 12 | G(V19)000031 | 12100 | 10000 | 158.16 | 9804439.5 |
| 13 | G(V19)000032 | 12050 | 10000 | 155.65 | 9804443.9 |
| 14 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |
| 15 | G(V19)000034 | 11950 | 10000 | 148.26 | 9804460.9 |
| 16 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |
| 17 | G(V19)000036 | 11850 | 10000 | 141.95 | 9804475.8 |
| 18 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |
| 19 | G(V19)000038 | 11750 | 10000 | 136.02 | 9804489.3 |
| 20 | G(V19)000039 | 11700 | 10000 | 133.49 | 9804494.5 |
| 21 | G(V19)000040 | 11650 | 10000 | 131.45 | 9804499.1 |
| 22 | G(V19)000041 | 11600 | 10000 | 130.44 | 9804500.8 |
| 23 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251419 | 379476 |
| 2 | 5250920 | 379475 |
| 3 | 5250870 | 379475 |
| 4 | 5250820 | 379475 |
| 5 | 5250770 | 379475 |
| 6 | 5250720 | 379475 |
| 7 | 5250670 | 379475 |
| 8 | 5250620 | 379475 |
| 9 | 5250570 | 379475 |
| 10 | 5250520 | 379475 |
| 11 | 5250470 | 379475 |
| 12 | 5250420 | 379475 |
| 13 | 5250370 | 379475 |
| 14 | 5250320 | 379475 |
| 15 | 5250270 | 379475 |
| 16 | 5250220 | 379475 |
| 17 | 5250170 | 379475 |
| 18 | 5250120 | 379475 |
| 19 | 5250070 | 379475 |
| 20 | 5250020 | 379475 |
| 21 | 5249970 | 379475 |
| 22 | 5249920 | 379475 |
| 23 | 5251419 | 379476 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |
| | 364.0 | 369.1 | 369.1 | 2.02 | 2.00 | 1.90 |
| | 365.4 | 369.9 | 370.9 | 2.17 | 1.80 | 1.80 |
| | 365.5 | 370.5 | 371.2 | 2.25 | 2.00 | 2.00 |
| | 365.4 | 370.9 | 371.9 | 2.57 | 2.20 | 2.20 |
| | 365.8 | 372.1 | 372.9 | 2.80 | 2.50 | 2.50 |
| | 365.9 | 372.7 | 371.9 | 2.38 | 2.70 | 2.60 |
| | 367.6 | 372.8 | 373.1 | 2.20 | 2.10 | 2.00 |
| | 368.2 | 373.3 | 372.7 | 1.77 | 2.00 | 2.00 |
| | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |
| | 369.6 | 373.1 | 373.8 | 1.68 | 1.40 | 1.30 |
| | 370.2 | 373.2 | 372.2 | .81 | 1.20 | 1.20 |
| | 369.1 | 372.1 | 370.6 | .61 | 1.20 | 1.10 |
| | 369.9 | 384.5 | 371.6 | .65 | 5.80 | 5.60 |
| | 370.3 | 372.3 | 371.7 | .58 | .80 | .80 |
| | 370.8 | 372.8 | 372.2 | .57 | .80 | .70 |
| | 371.6 | | 372.9 | .49 | 0.00 | 0.00 |
| | 371.9 | 373.7 | 372.9 | .39 | .70 | .70 |
| | 372.2 | 374.0 | 373.1 | .36 | .70 | .70 |
| | 371.9 | 373.6 | 372.7 | .33 | .70 | .70 |
| | 372.0 | | 372.6 | .25 | 0.00 | 0.00 |
| | 371.2 | | 371.8 | .23 | 0.00 | 0.00 |
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |
| 2 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |
| 3 | 42 | 53 | 6.4069 | 145 | 31 | 26.6943 |
| 4 | 42 | 53 | 8.0273 | 145 | 31 | 26.6557 |
| 5 | 42 | 53 | 9.6477 | 145 | 31 | 26.6170 |
| 6 | 42 | 53 | 11.2681 | 145 | 31 | 26.5784 |
| 7 | 42 | 53 | 12.8885 | 145 | 31 | 26.5397 |
| 8 | 42 | 53 | 14.5089 | 145 | 31 | 26.5011 |
| 9 | 42 | 53 | 16.1293 | 145 | 31 | 26.4625 |
| 10 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 |
| 11 | 42 | 53 | 19.3701 | 145 | 31 | 26.3852 |
| 12 | 42 | 53 | 20.9906 | 145 | 31 | 26.3465 |
| 13 | 42 | 53 | 22.6110 | 145 | 31 | 26.3079 |
| 14 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 |
| 15 | 42 | 53 | 25.8518 | 145 | 31 | 26.2306 |
| 16 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 |
| 17 | 42 | 53 | 29.0926 | 145 | 31 | 26.1533 |
| 18 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |
| 19 | 42 | 53 | 32.3334 | 145 | 31 | 26.0760 |
| 20 | 42 | 53 | 33.9538 | 145 | 31 | 26.0373 |
| 21 | 42 | 53 | 35.5742 | 145 | 31 | 25.9987 |
| 22 | 42 | 53 | 37.1946 | 145 | 31 | 25.9600 |
| 23 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 362.5 | | |
| | 369.1 | 152.7 | -.0 |
| | 370.9 | 154.5 | -.0 |
| | 371.2 | 154.8 | -.0 |
| | 371.9 | 155.5 | -.0 |
| | 372.9 | 156.5 | -.0 |
| | 371.9 | 155.5 | -.0 |
| | 373.1 | 156.7 | -.0 |
| | 372.7 | 156.3 | -.0 |
| | 371.7 | 155.3 | -.0 |
| | 373.8 | 157.4 | .0 |
| | 372.2 | 155.8 | .0 |
| | 370.6 | 154.2 | .0 |
| | 371.6 | 155.1 | .0 |
| | 371.7 | 155.3 | .0 |
| | 372.2 | 155.8 | .0 |
| | 372.9 | 156.4 | .0 |
| | 372.9 | 156.5 | .0 |
| | 373.1 | 156.7 | .0 |
| | 372.7 | 157.0 | -.7 |
| | 372.6 | 156.2 | .0 |
| | 371.8 | 154.7 | .7 |
| | 362.5 | | |

014

044015

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0004
SURVEY NAME :
VOYAGER 19 11600N 17/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000041
GRID NAME : VOYAGER 19
LOCAL 11600N 10000E
AMG 5249920N 379475E
OBS. GRAVITY: 9804500.8
BASE HEIGHT : 130.44

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000041 | 11600 | 10000 | 130.44 | 9804500.8 |
| 2 | G(V19)000042 | 11600 | 9975 | 128.56 | 9804505.8 |
| 3 | G(V19)000043 | 11600 | 9950 | 128.62 | 9804506.6 |
| 4 | G(V19)000044 | 11600 | 9925 | 128.98 | 9804506.6 |
| 5 | G(V19)000045 | 11600 | 9900 | 127.88 | 9804510.0 |
| 6 | G(V19)000046 | 11600 | 9875 | 128.62 | 9804509.1 |
| 7 | G(V19)000047 | 11600 | 9850 | 128.71 | 9804509.8 |
| 8 | G(V19)000048 | 11600 | 9825 | 127.58 | 9804513.0 |
| 9 | G(V19)000049 | 11600 | 9800 | 125.82 | 9804517.3 |
| 10 | G(V19)000050 | 11600 | 9775 | 123.12 | 9804522.7 |
| 11 | G(V19)000051 | 11600 | 9750 | 120.96 | 9804527.0 |
| 12 | G(V19)000052 | 11600 | 9725 | 123.67 | 9804521.5 |
| 13 | G(V19)000053 | 11600 | 9700 | 122.46 | 9804525.7 |
| 14 | G(V19)000054 | 11600 | 9675 | 121.60 | 9804528.4 |
| 15 | G(V19)000055 | 11600 | 9650 | 123.01 | 9804526.1 |
| 16 | G(V19)000056 | 11600 | 9625 | 126.15 | 9804519.9 |
| 17 | G(V19)000057 | 11600 | 9600 | 133.59 | 9804504.0 |
| 18 | G(V19)000058 | 11600 | 9575 | 139.99 | 9804490.5 |
| 19 | G(V19)000059 | 11600 | 9550 | 140.53 | 9804489.8 |
| 20 | G(V19)000060 | 11600 | 9525 | 138.95 | 9804494.3 |
| 21 | G(V19)000061 | 11600 | 9500 | 134.13 | 9804505.0 |
| 22 | G(V19)000044 | 11600 | 9925 | 128.98 | 9804506.3 |
| 23 | G(V19)000041 | 11600 | 10000 | 130.44 | 9804500.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5249920 | 379475 |
| 2 | 5249920 | 379450 |
| 3 | 5249920 | 379425 |
| 4 | 5249920 | 379400 |
| 5 | 5249920 | 379375 |
| 6 | 5249920 | 379350 |
| 7 | 5249920 | 379325 |
| 8 | 5249920 | 379300 |
| 9 | 5249920 | 379275 |
| 10 | 5249920 | 379250 |
| 11 | 5249920 | 379225 |
| 12 | 5249920 | 379200 |
| 13 | 5249920 | 379175 |
| 14 | 5249920 | 379150 |
| 15 | 5249920 | 379125 |
| 16 | 5249920 | 379100 |
| 17 | 5249920 | 379075 |
| 18 | 5249920 | 379050 |
| 19 | 5249920 | 379025 |
| 20 | 5249920 | 379000 |
| 21 | 5249920 | 378975 |
| 22 | 5249920 | 379400 |
| 23 | 5249920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 371.2 | | 371.8 | .23 | 0.00 | 0.00 |
| 2 | 372.4 | | 372.9 | .23 | 0.00 | 0.00 |
| 3 | 373.3 | | 374.0 | .25 | 0.00 | 0.00 |
| 4 | 374.1 | | 374.7 | .25 | 0.00 | 0.00 |
| 5 | 375.2 | | 375.9 | .26 | 0.00 | 0.00 |
| 6 | 375.8 | | 376.5 | .27 | 0.00 | 0.00 |
| 7 | 376.7 | | 377.4 | .27 | 0.00 | 0.00 |
| 8 | 377.6 | | 378.3 | .28 | 0.00 | 0.00 |
| 9 | 378.3 | | 379.0 | .30 | 0.00 | 0.00 |
| 10 | 378.2 | | 379.0 | .31 | 0.00 | 0.00 |
| 11 | 378.2 | | 379.0 | .32 | 0.00 | 0.00 |
| 12 | 378.2 | | 379.0 | .33 | 0.00 | 0.00 |
| 13 | 380.0 | | 380.9 | .37 | 0.00 | 0.00 |
| 14 | 380.9 | | 381.8 | .36 | 0.00 | 0.00 |
| 15 | 381.4 | | 382.3 | .35 | 0.00 | 0.00 |
| 16 | 381.6 | | 382.6 | .39 | 0.00 | 0.00 |
| 17 | 380.8 | | 382.0 | .48 | 0.00 | 0.00 |
| 18 | 380.3 | | 381.3 | .39 | 0.00 | 0.00 |
| 19 | 380.7 | | 381.5 | .33 | 0.00 | 0.00 |
| 20 | 382.1 | | 382.9 | .33 | 0.00 | 0.00 |
| 21 | 383.0 | | 383.8 | .32 | 0.00 | 0.00 |
| 22 | 373.8 | | 374.4 | .25 | 0.00 | 0.00 |
| 23 | 371.2 | | 371.8 | .23 | 0.00 | 0.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 37.1946 | 145 | 31 | 25.9600 |
| 2 | 42 | 53 | 37.1804 | 145 | 31 | 24.8581 |
| 3 | 42 | 53 | 37.1661 | 145 | 31 | 23.7562 |
| 4 | 42 | 53 | 37.1519 | 145 | 31 | 22.6543 |
| 5 | 42 | 53 | 37.1377 | 145 | 31 | 21.5524 |
| 6 | 42 | 53 | 37.1235 | 145 | 31 | 20.4505 |
| 7 | 42 | 53 | 37.1093 | 145 | 31 | 19.3486 |
| 8 | 42 | 53 | 37.0950 | 145 | 31 | 18.2467 |
| 9 | 42 | 53 | 37.0808 | 145 | 31 | 17.1447 |
| 10 | 42 | 53 | 37.0666 | 145 | 31 | 16.0428 |
| 11 | 42 | 53 | 37.0523 | 145 | 31 | 14.9409 |
| 12 | 42 | 53 | 37.0381 | 145 | 31 | 13.8390 |
| 13 | 42 | 53 | 37.0238 | 145 | 31 | 12.7371 |
| 14 | 42 | 53 | 37.0096 | 145 | 31 | 11.6352 |
| 15 | 42 | 53 | 36.9953 | 145 | 31 | 10.5333 |
| 16 | 42 | 53 | 36.9811 | 145 | 31 | 9.4314 |
| 17 | 42 | 53 | 36.9668 | 145 | 31 | 8.3295 |
| 18 | 42 | 53 | 36.9526 | 145 | 31 | 7.2276 |
| 19 | 42 | 53 | 36.9383 | 145 | 31 | 6.1257 |
| 20 | 42 | 53 | 36.9240 | 145 | 31 | 5.0238 |
| 21 | 42 | 53 | 36.9098 | 145 | 31 | 3.9218 |
| 22 | 42 | 53 | 37.1519 | 145 | 31 | 22.6543 |
| 23 | 42 | 53 | 37.1946 | 145 | 31 | 25.9600 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 371.8 | | |
| 2 | 372.9 | 155.9 | .7 |
| 3 | 374.0 | 156.9 | .7 |
| 4 | 374.7 | 157.6 | .7 |
| 5 | 375.9 | 158.8 | .7 |
| 6 | 376.5 | 159.0 | 1.1 |
| 7 | 377.4 | 160.3 | .7 |
| 8 | 378.3 | 161.1 | .8 |
| 9 | 379.0 | 161.9 | .7 |
| 10 | 379.0 | 161.9 | .7 |
| 11 | 379.0 | 161.9 | .7 |
| 12 | 379.0 | 161.9 | .7 |
| 13 | 380.9 | 163.8 | .7 |
| 14 | 381.8 | 164.7 | .7 |
| 15 | 382.3 | 165.2 | .7 |
| 16 | 382.6 | 165.5 | .7 |
| 17 | 382.0 | 164.9 | .7 |
| 18 | 381.3 | 164.2 | .7 |
| 19 | 381.5 | 164.3 | .8 |
| 20 | 382.9 | 163.6 | 2.9 |
| 21 | 383.8 | 166.7 | .8 |
| 22 | 374.4 | | |
| 23 | 371.8 | | |

015

044016

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0005
SURVEY NAME :
VOYAGER 19 11600N 18/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000041
GRID NAME : VOYAGER 19
LOCAL 11600N 10000E
AMG 5249920N 379475E
OBS. GRAVITY: 9804500.8
BASE HEIGHT : 130.44

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000041 | 11600 | 10000 | 130.44 | 9804500.8 |
| 2 | G(V19)000062 | 11600 | 10025 | 131.24 | 9804497.8 |
| 3 | G(V19)000063 | 11600 | 10050 | 130.53 | 9804498.8 |
| 4 | G(V19)000064 | 11600 | 10075 | 131.17 | 9804496.7 |
| 5 | G(V19)000065 | 11600 | 10100 | 131.20 | 9804495.3 |
| 6 | G(V19)000066 | 11600 | 10125 | 130.17 | 9804495.9 |
| 7 | G(V19)000067 | 11600 | 10150 | 129.86 | 9804495.9 |
| 8 | G(V19)000068 | 11600 | 10175 | 129.78 | 9804494.6 |
| 9 | G(V19)000069 | 11600 | 10200 | 128.40 | 9804496.4 |
| 10 | G(V19)000070 | 11600 | 10225 | 127.38 | 9804498.1 |
| 11 | G(V19)000071 | 11600 | 10250 | 125.48 | 9804500.3 |
| 12 | G(V19)000072 | 11600 | 10300 | 124.71 | 9804499.0 |
| 13 | G(V19)000073 | 11600 | 10325 | 125.57 | 9804495.3 |
| 14 | G(V19)000074 | 11600 | 10350 | 127.02 | 9804490.6 |
| 15 | G(V19)000075 | 11600 | 10375 | 128.77 | 9804485.9 |
| 16 | G(V19)000076 | 11600 | 10400 | 129.44 | 9804483.6 |
| 17 | G(V19)000077 | 11600 | 10425 | 131.76 | 9804479.3 |
| 18 | G(V19)000078 | 11600 | 10450 | 133.30 | 9804475.6 |
| 19 | G(V19)000079 | 11600 | 10475 | 135.74 | 9804470.4 |
| 20 | G(V19)000080 | 11600 | 10500 | 137.85 | 9804465.1 |
| 21 | G(V19)000081 | 11600 | 10525 | 138.43 | 9804463.4 |
| 22 | G(V19)000082 | 11600 | 10550 | 139.42 | 9804460.8 |
| 23 | G(V19)000083 | 11600 | 10575 | 140.53 | 9804457.5 |
| 24 | G(V19)000084 | 11600 | 10600 | 141.79 | 9804455.1 |
| 25 | G(V19)000085 | 11603 | 10625 | 142.99 | 9804451.4 |
| 26 | G(V19)000086 | 11600 | 10650 | 144.06 | 9804447.4 |
| 27 | G(V19)000087 | 11600 | 10675 | 144.96 | 9804443.2 |
| 28 | G(V19)000088 | 11600 | 10700 | 145.80 | 9804441.0 |
| 29 | G(V19)000089 | 11600 | 10725 | 146.28 | 9804438.1 |
| 30 | G(V19)000090 | 11600 | 10750 | 146.52 | 9804437.5 |
| 31 | G(V19)000091 | 11600 | 10275 | 124.66 | 9804500.8 |
| 32 | G(V19)000066 | 11600 | 10125 | 130.17 | 9804495.6 |
| 33 | G(V19)000041 | 11600 | 10000 | 130.44 | 9804500.8 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5249920 | 379475 | 371.2 | | 371.8 | .23 | 0.00 | 0.00 |
| 2 | 5249920 | 379500 | 369.8 | | 370.4 | .23 | 0.00 | 0.00 |
| 3 | 5249920 | 379525 | 369.3 | | 369.9 | .23 | 0.00 | 0.00 |
| 4 | 5249920 | 379550 | 368.5 | | 369.1 | .24 | 0.00 | 0.00 |
| 5 | 5249920 | 379575 | 367.2 | | 367.8 | .25 | 0.00 | 0.00 |
| 6 | 5249920 | 379600 | 365.7 | | 366.4 | .25 | 0.00 | 0.00 |
| 7 | 5249920 | 379625 | 365.1 | | 365.8 | .26 | 0.00 | 0.00 |
| 8 | 5249920 | 379650 | 363.7 | | 364.3 | .27 | 0.00 | 0.00 |
| 9 | 5249920 | 379675 | 362.7 | | 363.4 | .28 | 0.00 | 0.00 |
| 10 | 5249920 | 379700 | 362.3 | | 363.0 | .29 | 0.00 | 0.00 |
| 11 | 5249920 | 379725 | 360.6 | | 361.3 | .31 | 0.00 | 0.00 |
| 12 | 5249920 | 379775 | 357.7 | | 358.6 | .35 | 0.00 | 0.00 |
| 13 | 5249920 | 379800 | 355.7 | | 356.7 | .37 | 0.00 | 0.00 |
| 14 | 5249920 | 379825 | 354.0 | | 355.0 | .38 | 0.00 | 0.00 |
| 15 | 5249920 | 379850 | 352.9 | | 353.9 | .41 | 0.00 | 0.00 |
| 16 | 5249920 | 379875 | 351.9 | | 353.0 | .42 | 0.00 | 0.00 |
| 17 | 5249920 | 379900 | 352.3 | | 353.3 | .42 | 0.00 | 0.00 |
| 18 | 5249920 | 379925 | 351.8 | | 352.8 | .41 | 0.00 | 0.00 |
| 19 | 5249920 | 379950 | 351.5 | | 352.5 | .40 | 0.00 | 0.00 |
| 20 | 5249920 | 379975 | 350.5 | | 351.5 | .39 | 0.00 | 0.00 |
| 21 | 5249920 | 380000 | 350.0 | | 350.9 | .38 | 0.00 | 0.00 |
| 22 | 5249920 | 380025 | 349.3 | | 350.3 | .38 | 0.00 | 0.00 |
| 23 | 5249920 | 380050 | 348.3 | | 349.2 | .37 | 0.00 | 0.00 |
| 24 | 5249920 | 380075 | 348.4 | | 349.3 | .37 | 0.00 | 0.00 |
| 25 | 5249923 | 380100 | 347.3 | | 348.2 | .37 | 0.00 | 0.00 |
| 26 | 5249920 | 380125 | 345.4 | | 346.3 | .38 | 0.00 | 0.00 |
| 27 | 5249920 | 380150 | 342.9 | | 343.9 | .38 | 0.00 | 0.00 |
| 28 | 5249920 | 380175 | 342.5 | | 343.5 | .38 | 0.00 | 0.00 |
| 29 | 5249920 | 380200 | 340.5 | | 341.5 | .38 | 0.00 | 0.00 |
| 30 | 5249920 | 380225 | 340.5 | | 341.4 | .38 | 0.00 | 0.00 |
| 31 | 5249920 | 379750 | 359.4 | | 360.2 | .33 | 0.00 | 0.00 |
| 32 | 5249920 | 379600 | 365.4 | | 366.1 | .25 | 0.00 | 0.00 |
| 33 | 5249920 | 379475 | 371.2 | | 371.8 | .23 | 0.00 | 0.00 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | Δ-216.4 |
| 1 | 42 | 53 | 37.1946 | 145 | 31 | 25.9600 | 371.8 | | |
| 2 | 42 | 53 | 37.2088 | 145 | 31 | 27.0620 | 370.4 | 153.3 | .7 |
| 3 | 42 | 53 | 37.2230 | 145 | 31 | 28.1639 | 369.9 | 152.9 | .7 |
| 4 | 42 | 53 | 37.2372 | 145 | 31 | 29.2658 | 369.1 | 152.1 | .7 |
| 5 | 42 | 53 | 37.2514 | 145 | 31 | 30.3677 | 367.8 | 150.8 | .7 |
| 6 | 42 | 53 | 37.2656 | 145 | 31 | 31.4696 | 366.4 | 149.3 | .7 |
| 7 | 42 | 53 | 37.2798 | 145 | 31 | 32.5715 | 365.8 | 148.7 | .7 |
| 8 | 42 | 53 | 37.2940 | 145 | 31 | 33.6734 | 364.3 | 147.3 | .7 |
| 9 | 42 | 53 | 37.3082 | 145 | 31 | 34.7753 | 363.4 | 146.3 | .7 |
| 10 | 42 | 53 | 37.3223 | 145 | 31 | 35.8773 | 363.0 | 146.0 | .7 |
| 11 | 42 | 53 | 37.3365 | 145 | 31 | 36.9792 | 361.3 | 144.3 | .7 |
| 12 | 42 | 53 | 37.3649 | 145 | 31 | 39.1830 | 358.6 | 141.5 | .6 |
| 13 | 42 | 53 | 37.3791 | 145 | 31 | 40.2849 | 356.7 | 139.6 | .6 |
| 14 | 42 | 53 | 37.3932 | 145 | 31 | 41.3868 | 355.0 | 137.9 | .6 |
| 15 | 42 | 53 | 37.4074 | 145 | 31 | 42.4887 | 353.9 | 136.9 | .6 |
| 16 | 42 | 53 | 37.4216 | 145 | 31 | 43.5907 | 353.0 | 135.9 | .6 |
| 17 | 42 | 53 | 37.4357 | 145 | 31 | 44.6926 | 353.3 | 136.3 | .6 |
| 18 | 42 | 53 | 37.4499 | 145 | 31 | 45.7945 | 352.8 | 135.8 | .6 |
| 19 | 42 | 53 | 37.4640 | 145 | 31 | 46.8964 | 352.5 | 135.5 | .6 |
| 20 | 42 | 53 | 37.4782 | 145 | 31 | 47.9983 | 351.5 | 134.5 | .6 |
| 21 | 42 | 53 | 37.4923 | 145 | 31 | 49.1002 | 350.9 | 133.9 | .6 |
| 22 | 42 | 53 | 37.5065 | 145 | 31 | 50.2022 | 350.3 | 133.3 | .6 |
| 23 | 42 | 53 | 37.5206 | 145 | 31 | 51.3041 | 349.2 | 132.2 | .6 |
| 24 | 42 | 53 | 37.5348 | 145 | 31 | 52.4060 | 349.3 | 132.3 | .6 |
| 25 | 42 | 53 | 37.4517 | 145 | 31 | 53.5102 | 348.2 | 131.2 | .6 |
| 26 | 42 | 53 | 37.5631 | 145 | 31 | 54.6098 | 346.3 | 129.3 | .6 |
| 27 | 42 | 53 | 37.5772 | 145 | 31 | 55.7117 | 343.9 | 126.9 | .6 |
| 28 | 42 | 53 | 37.5913 | 145 | 31 | 56.8137 | 343.5 | 126.5 | .6 |
| 29 | 42 | 53 | 37.6054 | 145 | 31 | 57.9156 | 341.5 | 124.5 | .6 |
| 30 | 42 | 53 | 37.6196 | 145 | 31 | 59.0175 | 341.4 | 124.5 | .6 |
| 31 | 42 | 53 | 37.3507 | 145 | 31 | 38.0811 | 360.2 | | |
| 32 | 42 | 53 | 37.2656 | 145 | 31 | 31.4696 | 366.1 | | |
| 33 | 42 | 53 | 37.1946 | 145 | 31 | 25.9600 | 371.8 | | |

017

044018

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0006
SURVEY NAME :
VOYAGER 19 11800N 7/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000037
GRID NAME : VOYAGER 19
LOCAL 11800N 10000E
AMG 5250120N 379475E
OBS. GRAVITY: 9804482.8
BASE HEIGHT : 138.84

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |
| 2 | G(V19)000092 | 11800 | 9975 | 138.44 | 9804484.0 |
| 3 | G(V19)000093 | 11800 | 9950 | 138.14 | 9804484.6 |
| 4 | G(V19)000094 | 11800 | 9925 | 140.45 | 9804480.3 |
| 5 | G(V19)000095 | 11800 | 9900 | 140.59 | 9804481.0 |
| 6 | G(V19)000096 | 11800 | 9875 | 138.23 | 9804486.2 |
| 7 | G(V19)000097 | 11800 | 9850 | 135.13 | 9804493.2 |
| 8 | G(V19)000098 | 11800 | 9825 | 135.39 | 9804492.4 |
| 9 | G(V19)000099 | 11800 | 9800 | 130.73 | 9804502.9 |
| 10 | G(V19)000100 | 11800 | 9775 | 130.90 | 9804504.1 |
| 11 | G(V19)000101 | 11800 | 9750 | 130.77 | 9804504.3 |
| 12 | G(V19)000102 | 11800 | 9725 | 131.26 | 9804504.1 |
| 13 | G(V19)000103 | 11800 | 9700 | 131.91 | 9804503.4 |
| 14 | G(V19)000104 | 11800 | 9675 | 132.76 | 9804503.0 |
| 15 | G(V19)000105 | 11800 | 9650 | 132.96 | 9804503.6 |
| 16 | G(V19)000106 | 11800 | 9625 | 132.39 | 9804505.2 |
| 17 | G(V19)000107 | 11800 | 9600 | 132.53 | 9804506.0 |
| 18 | G(V19)000108 | 11800 | 9550 | 133.25 | 9804507.4 |
| 19 | G(V19)000108 | 11800 | 9525 | 132.93 | 9804508.1 |
| 20 | G(V19)000109 | 11800 | 9500 | 132.72 | 9804508.0 |
| 21 | G(V19)000104 | 11800 | 9675 | 132.76 | 9804503.5 |
| 22 | G(V19)000108 | 11800 | 9775 | 130.90 | 9804503.8 |
| 23 | G(V19)000094 | 11800 | 9925 | 140.45 | 9804480.4 |
| 24 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5250120 | 379475 |
| 2 | 5250120 | 379450 |
| 3 | 5250120 | 379425 |
| 4 | 5250120 | 379400 |
| 5 | 5250120 | 379375 |
| 6 | 5250120 | 379350 |
| 7 | 5250120 | 379325 |
| 8 | 5250120 | 379300 |
| 9 | 5250120 | 379275 |
| 10 | 5250120 | 379250 |
| 11 | 5250120 | 379225 |
| 12 | 5250120 | 379200 |
| 13 | 5250120 | 379175 |
| 14 | 5250120 | 379150 |
| 15 | 5250120 | 379125 |
| 16 | 5250120 | 379100 |
| 17 | 5250120 | 379075 |
| 18 | 5250120 | 379025 |
| 19 | 5250120 | 379000 |
| 20 | 5250120 | 378975 |
| 21 | 5250120 | 379150 |
| 22 | 5250120 | 379250 |
| 23 | 5250120 | 379400 |
| 24 | 5250120 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |
| 2 | 372.2 | 374.0 | 373.2 | .39 | .70 | .70 |
| 3 | 372.3 | 374.0 | 373.2 | .39 | .70 | .70 |
| 4 | 372.6 | 374.6 | 373.6 | .40 | .80 | .80 |
| 5 | 373.6 | 375.9 | 374.6 | .40 | .90 | .90 |
| 6 | 374.0 | 376.3 | 375.1 | .42 | .90 | .80 |
| 7 | 374.8 | 376.5 | 375.9 | .44 | .70 | .70 |
| 8 | 374.4 | 376.7 | 375.6 | .45 | .90 | .90 |
| 9 | 375.5 | 377.0 | 376.7 | .48 | .60 | .60 |
| 10 | 377.1 | 378.6 | 378.3 | .46 | .60 | .60 |
| 11 | 377.1 | 378.6 | 377.9 | .35 | .60 | .60 |
| 12 | 377.8 | 379.4 | 378.7 | .34 | .60 | .60 |
| 13 | 378.4 | 379.9 | 379.2 | .32 | .60 | .60 |
| 14 | 379.7 | 381.2 | 380.5 | .31 | .60 | .60 |
| 15 | 380.8 | 382.3 | 381.5 | .30 | .60 | .60 |
| 16 | 381.2 | 382.7 | 381.9 | .28 | .60 | .60 |
| 17 | 382.4 | 383.9 | 383.0 | .27 | .60 | .60 |
| 18 | 385.2 | | 385.9 | .27 | 0.00 | 0.00 |
| 19 | 385.2 | | 385.9 | .27 | 0.00 | 0.00 |
| 20 | 384.7 | | 385.3 | .27 | 0.00 | 0.00 |
| 21 | 380.3 | 381.8 | 381.0 | .31 | .60 | .60 |
| 22 | 376.8 | 378.3 | 377.9 | .46 | .60 | .60 |
| 23 | 372.7 | 374.7 | 373.7 | .40 | .80 | .80 |
| 24 | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |
| 2 | 42 | 53 | 30.6988 | 145 | 31 | 25.0128 |
| 3 | 42 | 53 | 30.6845 | 145 | 31 | 23.9109 |
| 4 | 42 | 53 | 30.6703 | 145 | 31 | 22.8090 |
| 5 | 42 | 53 | 30.6561 | 145 | 31 | 21.7071 |
| 6 | 42 | 53 | 30.6419 | 145 | 31 | 20.6052 |
| 7 | 42 | 53 | 30.6277 | 145 | 31 | 19.5034 |
| 8 | 42 | 53 | 30.6134 | 145 | 31 | 18.4015 |
| 9 | 42 | 53 | 30.5992 | 145 | 31 | 17.2996 |
| 10 | 42 | 53 | 30.5850 | 145 | 31 | 16.1977 |
| 11 | 42 | 53 | 30.5707 | 145 | 31 | 15.0959 |
| 12 | 42 | 53 | 30.5565 | 145 | 31 | 13.9940 |
| 13 | 42 | 53 | 30.5422 | 145 | 31 | 12.8921 |
| 14 | 42 | 53 | 30.5280 | 145 | 31 | 11.7902 |
| 15 | 42 | 53 | 30.5137 | 145 | 31 | 10.6883 |
| 16 | 42 | 53 | 30.4995 | 145 | 31 | 9.5865 |
| 17 | 42 | 53 | 30.4852 | 145 | 31 | 8.4846 |
| 18 | 42 | 53 | 30.4567 | 145 | 31 | 6.2808 |
| 19 | 42 | 53 | 30.4425 | 145 | 31 | 5.1790 |
| 20 | 42 | 53 | 30.4282 | 145 | 31 | 4.0771 |
| 21 | 42 | 53 | 30.5280 | 145 | 31 | 11.7902 |
| 22 | 42 | 53 | 30.5850 | 145 | 31 | 16.1977 |
| 23 | 42 | 53 | 30.6703 | 145 | 31 | 22.8090 |
| 24 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 372.8 | | |
| 2 | 373.2 | 156.6 | .2 |
| 3 | 373.2 | 156.6 | .2 |
| 4 | 373.6 | 157.0 | .2 |
| 5 | 374.6 | 157.9 | .3 |
| 6 | 375.1 | 158.2 | .5 |
| 7 | 375.9 | 158.9 | .5 |
| 8 | 375.6 | 158.6 | .5 |
| 9 | 376.7 | 159.5 | .8 |
| 10 | 378.3 | 161.0 | .9 |
| 11 | 377.9 | 160.8 | .8 |
| 12 | 378.7 | 161.8 | .6 |
| 13 | 379.2 | 162.3 | .6 |
| 14 | 380.5 | 163.6 | .6 |
| 15 | 381.5 | 165.7 | -.6 |
| 16 | 381.9 | 165.1 | .5 |
| 17 | 383.0 | 166.3 | .4 |
| 18 | 385.9 | | |
| 19 | 385.9 | 169.3 | .2 |
| 20 | 385.3 | 168.8 | .2 |
| 21 | 381.0 | | |
| 22 | 377.9 | | |
| 23 | 373.7 | | |
| 24 | 372.8 | | |

```
**********************************
*    GEOPEKO GRAVITY SURVEY      *
**********************************

FILE          : TG0007
SURVEY NAME   :
VOYAGER 19 11800N 7/11/81

GRAV. METER   : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000037
GRID NAME     :          VOYAGER 19
LOCAL      11800N      10000E
AMG      5250120N     379475E
OBS. GRAVITY:   9804482.8
BASE HEIGHT   :   138.84
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |
| 2 | G(V19)000110 | 11800 | 10025 | 138.90 | 9804482.2 |
| 3 | G(V19)000111 | 11800 | 10050 | 139.80 | 9804478.8 |
| 4 | G(V19)000112 | 11800 | 10075 | 141.58 | 9804473.7 |
| 5 | G(V19)000113 | 11800 | 10100 | 140.93 | 9804474.8 |
| 6 | G(V19)000114 | 11800 | 10125 | 141.22 | 9804472.3 |
| 7 | G(V19)000115 | 11800 | 10150 | 142.48 | 9804468.5 |
| 8 | G(V19)000116 | 11800 | 10175 | 140.00 | 9804473.2 |
| 9 | G(V19)000117 | 11800 | 10200 | 138.45 | 9804476.1 |
| 10 | G(V19)000118 | 11800 | 10225 | 136.40 | 9804479.4 |
| 11 | G(V19)000119 | 11800 | 10250 | 133.39 | 9804483.2 |
| 12 | G(V19)000120 | 11800 | 10275 | 131.70 | 9804485.9 |
| 13 | G(V19)000121 | 11800 | 10325 | 131.88 | 9804483.2 |
| 14 | G(V19)000122 | 11800 | 10350 | 135.62 | 9804474.0 |
| 15 | G(V19)000123 | 11800 | 10375 | 139.21 | 9804465.8 |
| 16 | G(V19)000124 | 11800 | 10400 | 139.59 | 9804464.1 |
| 17 | G(V19)000125 | 11800 | 10425 | 139.95 | 9804462.2 |
| 18 | G(V19)000126 | 11800 | 10450 | 140.35 | 9804461.0 |
| 19 | G(V19)000127 | 11800 | 10475 | 140.83 | 9804459.5 |
| 20 | G(V19)000128 | 11800 | 10500 | 141.88 | 9804456.2 |
| 21 | G(V19)000121 | 11800 | 10325 | 131.88 | 9804483.3 |
| 22 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5250120 | 379475 |
| 2 | 5250120 | 379500 |
| 3 | 5250120 | 379525 |
| 4 | 5250120 | 379550 |
| 5 | 5250120 | 379575 |
| 6 | 5250120 | 379600 |
| 7 | 5250120 | 379625 |
| 8 | 5250120 | 379650 |
| 9 | 5250120 | 379675 |
| 10 | 5250120 | 379700 |
| 11 | 5250120 | 379725 |
| 12 | 5250120 | 379750 |
| 13 | 5250120 | 379800 |
| 14 | 5250120 | 379825 |
| 15 | 5250120 | 379850 |
| 16 | 5250120 | 379875 |
| 17 | 5250120 | 379900 |
| 18 | 5250120 | 379925 |
| 19 | 5250120 | 379950 |
| 20 | 5250120 | 379975 |
| 21 | 5250120 | 379800 |
| 22 | 5250120 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |
| 2 | 371.3 | 373.1 | 372.3 | .37 | .70 | .70 |
| 3 | 369.8 | 371.5 | 370.7 | .36 | .70 | .70 |
| 4 | 368.3 | 370.3 | 369.2 | .35 | .80 | .80 |
| 5 | 368.1 | 369.9 | 369.0 | .35 | .70 | .70 |
| 6 | 366.2 | 367.9 | 367.1 | .35 | .70 | .70 |
| 7 | 364.9 | 366.9 | 365.8 | .34 | .80 | .80 |
| 8 | 364.6 | 366.4 | 365.5 | .35 | .70 | .70 |
| 9 | 364.4 | 366.1 | 365.2 | .35 | .70 | .70 |
| 10 | 363.5 | 365.2 | 364.4 | .36 | .70 | .70 |
| 11 | 361.2 | 363.0 | 362.1 | .35 | .70 | .70 |
| 12 | 360.4 | 362.2 | 361.4 | .38 | .70 | .70 |
| 13 | 358.1 | 359.9 | 359.2 | .43 | .70 | .60 |
| 14 | 356.5 | 358.5 | 357.7 | .48 | .80 | .80 |
| 15 | 355.6 | 357.8 | 356.8 | .48 | .90 | .80 |
| 16 | 354.6 | 356.2 | 355.8 | .44 | .60 | .60 |
| 17 | 353.5 | 355.0 | 354.4 | .37 | .60 | .60 |
| 18 | 353.1 | 354.6 | 354.0 | .36 | .60 | .60 |
| 19 | 352.5 | 354.0 | 353.4 | .37 | .60 | .60 |
| 20 | 351.3 | 352.8 | 352.3 | .37 | .60 | .60 |
| 21 | 358.2 | 360.0 | 359.3 | .43 | .70 | .60 |
| 22 | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |
| 2 | 42 | 53 | 30.7272 | 145 | 31 | 27.2165 |
| 3 | 42 | 53 | 30.7414 | 145 | 31 | 28.3184 |
| 4 | 42 | 53 | 30.7556 | 145 | 31 | 29.4203 |
| 5 | 42 | 53 | 30.7698 | 145 | 31 | 30.5222 |
| 6 | 42 | 53 | 30.7840 | 145 | 31 | 31.6241 |
| 7 | 42 | 53 | 30.7982 | 145 | 31 | 32.7259 |
| 8 | 42 | 53 | 30.8124 | 145 | 31 | 33.8278 |
| 9 | 42 | 53 | 30.8265 | 145 | 31 | 34.9297 |
| 10 | 42 | 53 | 30.8407 | 145 | 31 | 36.0316 |
| 11 | 42 | 53 | 30.8549 | 145 | 31 | 37.1335 |
| 12 | 42 | 53 | 30.8691 | 145 | 31 | 38.2353 |
| 13 | 42 | 53 | 30.8974 | 145 | 31 | 40.4391 |
| 14 | 42 | 53 | 30.9116 | 145 | 31 | 41.5410 |
| 15 | 42 | 53 | 30.9258 | 145 | 31 | 42.6429 |
| 16 | 42 | 53 | 30.9399 | 145 | 31 | 43.7448 |
| 17 | 42 | 53 | 30.9541 | 145 | 31 | 44.8466 |
| 18 | 42 | 53 | 30.9683 | 145 | 31 | 45.9485 |
| 19 | 42 | 53 | 30.9824 | 145 | 31 | 47.0504 |
| 20 | 42 | 53 | 30.9966 | 145 | 31 | 48.1523 |
| 21 | 42 | 53 | 30.8974 | 145 | 31 | 40.4391 |
| 22 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| 1 | 372.8 | | |
| 2 | 372.3 | 155.9 | -.0 |
| 3 | 370.7 | 154.3 | -.0 |
| 4 | 369.2 | 152.8 | -.0 |
| 5 | 369.0 | 152.7 | -.0 |
| 6 | 367.1 | 150.7 | -.0 |
| 7 | 365.8 | 149.4 | -.0 |
| 8 | 365.5 | 149.2 | -.0 |
| 9 | 365.2 | 148.9 | -.1 |
| 10 | 364.4 | 148.0 | -.1 |
| 11 | 362.1 | 145.7 | -.1 |
| 12 | 361.4 | 145.0 | -.1 |
| 13 | 359.2 | 142.9 | -.1 |
| 14 | 357.7 | 141.3 | -.1 |
| 15 | 356.8 | 140.5 | -.1 |
| 16 | 355.8 | 139.4 | -.1 |
| 17 | 354.4 | 138.1 | -.1 |
| 18 | 354.0 | 137.7 | -.1 |
| 19 | 353.4 | 137.1 | -.1 |
| 20 | 352.3 | 136.0 | -.1 |
| 21 | 359.3 | | |
| 22 | 372.8 | | |

019

044020

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0008
SURVEY NAME :
VOYAGER 19 11800N 8/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000035
GRID NAME : VOYAGER 19
LOCAL 11900N 10000E
AMG 5250220N 379475E
OBS. GRAVITY: 9804468
BASE HEIGHT : 145.18

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |
| 2 | G(V19)000129 | 11800 | 10700 | 135.39 | 9804461.0 |
| 3 | G(V19)000130 | 11800 | 10650 | 144.39 | 9804445.0 |
| 4 | G(V19)000131 | 11800 | 10625 | 145.87 | 9804443.8 |
| 5 | G(V19)000132 | 11800 | 10600 | 145.88 | 9804445.6 |
| 6 | G(V19)000133 | 11800 | 10575 | 145.02 | 9804448.8 |
| 7 | G(V19)000134 | 11800 | 10550 | 144.25 | 9804451.4 |
| 8 | G(V19)000135 | 11800 | 10525 | 143.16 | 9804454.2 |
| 9 | G(V19)000128 | 11800 | 10500 | 141.88 | 9804457.2 |
| 10 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |

| | AMG N | E |
|---|---|---|
| 1 | 5250220 | 379475 |
| 2 | 5250120 | 380175 |
| 3 | 5250120 | 380125 |
| 4 | 5250120 | 380100 |
| 5 | 5250120 | 380075 |
| 6 | 5250120 | 380050 |
| 7 | 5250120 | 380025 |
| 8 | 5250120 | 380000 |
| 9 | 5250120 | 379975 |
| 10 | 5250220 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |
| 2 | 343.0 | | 344.2 | .50 | 0.00 | 0.00 |
| 3 | 345.2 | | 346.5 | .50 | 0.00 | 0.00 |
| 4 | 347.0 | | 348.2 | .46 | 0.00 | 0.00 |
| 5 | 348.9 | 350.6 | 350.0 | .44 | .70 | .60 |
| 6 | 350.3 | 351.8 | 351.4 | .42 | .60 | .60 |
| 7 | 351.4 | 352.9 | 352.5 | .42 | .60 | .60 |
| 8 | 352.0 | 353.5 | 352.9 | .39 | .60 | .60 |
| 9 | 352.3 | 353.8 | 353.3 | .37 | .60 | .60 |
| 10 | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 |
| 2 | 42 | 53 | 31.1097 | 145 | 31 | 56.9674 |
| 3 | 42 | 53 | 31.0814 | 145 | 31 | 54.7636 |
| 4 | 42 | 53 | 31.0673 | 145 | 31 | 53.6617 |
| 5 | 42 | 53 | 31.0531 | 145 | 31 | 52.5598 |
| 6 | 42 | 53 | 31.0390 | 145 | 31 | 51.4579 |
| 7 | 42 | 53 | 31.0249 | 145 | 31 | 50.3561 |
| 8 | 42 | 53 | 31.0107 | 145 | 31 | 49.2542 |
| 9 | 42 | 53 | 30.9966 | 145 | 31 | 48.1523 |
| 10 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 |

| | BOUGUER GRAVITY HAMMER, SUMPTON A-216.4 | | |
|---|---|---|---|
| | 372.2 | | |
| | 344.2 | | |
| | 346.5 | 130.2 | -.1 |
| | 348.2 | 131.9 | -.1 |
| | 350.0 | 133.7 | -.1 |
| | 351.4 | 135.1 | -.1 |
| | 352.5 | 136.2 | -.1 |
| | 352.9 | 136.6 | -.1 |
| | 353.3 | | |
| | 372.2 | | |

020

044021

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0009
SURVEY NAME :
VOYAGER 19 11800N 26/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000037
GRID NAME : VOYAGER 19
LOCAL 11800N 10000E
AMG 5250120N 379475E
OBS. GRAVITY: 9804482.8
BASE HEIGHT : 138.84

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |
| 2 | G(V19)000136 | 11800 | 9995 | 139.03 | 9804482.0 |
| 3 | G(V19)000137 | 11800 | 9990 | 139.18 | 9804482.5 |
| 4 | G(V19)000138 | 11800 | 9985 | 139.24 | 9804481.6 |
| 5 | G(V19)000139 | 11800 | 9980 | 138.84 | 9804482.8 |
| 6 | G(V19)000092 | 11800 | 9975 | 138.42 | 9804482.8 |
| 7 | G(V19)000140 | 11800 | 9970 | 138.27 | 9804483.9 |
| 8 | G(V19)000141 | 11800 | 9965 | 138.21 | 9804482.9 |
| 9 | G(V19)000142 | 11800 | 9955 | 138.01 | 9804484.4 |
| 10 | G(V19)000093 | 11800 | 9950 | 138.06 | 9804484.0 |
| 11 | G(V19)000143 | 11800 | 9940 | 138.26 | 9804484.3 |
| 12 | G(V19)000144 | 11800 | 9930 | 140.01 | 9804481.1 |
| 13 | G(V19)000145 | 11800 | 9920 | 141.06 | 9804479.8 |
| 14 | G(V19)000146 | 11800 | 9910 | 141.19 | 9804479.5 |
| 15 | G(V19)000095 | 11800 | 9900 | 140.59 | 9804480.8 |
| 16 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5250120 | 379475 |
| 2 | 5250120 | 379470 |
| 3 | 5250120 | 379465 |
| 4 | 5250120 | 379460 |
| 5 | 5250120 | 379455 |
| 6 | 5250120 | 379450 |
| 7 | 5250120 | 379445 |
| 8 | 5250120 | 379440 |
| 9 | 5250120 | 379430 |
| 10 | 5250120 | 379425 |
| 11 | 5250120 | 379415 |
| 12 | 5250120 | 379405 |
| 13 | 5250120 | 379395 |
| 14 | 5250120 | 379385 |
| 15 | 5250120 | 379375 |
| 16 | 5250120 | 379475 |

| | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|
| | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |
| | 371.4 | | 372.4 | .39 | 0.00 | 0.00 |
| | 372.3 | | 373.3 | .39 | 0.00 | 0.00 |
| | 371.5 | | 372.5 | .39 | 0.00 | 0.00 |
| | 371.8 | | 372.8 | .39 | 0.00 | 0.00 |
| | 371.0 | 372.8 | 372.0 | .39 | .70 | .70 |
| | 371.8 | | 372.7 | .39 | 0.00 | 0.00 |
| | 370.7 | | 371.7 | .39 | 0.00 | 0.00 |
| | 371.8 | | 372.7 | .39 | 0.00 | 0.00 |
| | 371.5 | 373.2 | 372.5 | .39 | .70 | .70 |
| | 372.2 | | 373.2 | .40 | 0.00 | 0.00 |
| | 372.6 | | 373.6 | .40 | 0.00 | 0.00 |
| | 373.4 | | 374.4 | .40 | 0.00 | 0.00 |
| | 373.4 | | 374.4 | .40 | 0.00 | 0.00 |
| | 373.4 | 375.7 | 374.4 | .40 | .90 | .90 |
| | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |

| | LATITUDE D | LATITUDE M | LATITUDE S | LONGITUDE D | LONGITUDE M | LONGITUDE S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |
| 2 | 42 | 53 | 30.7101 | 145 | 31 | 25.8943 |
| 3 | 42 | 53 | 30.7073 | 145 | 31 | 25.6739 |
| 4 | 42 | 53 | 30.7044 | 145 | 31 | 25.4535 |
| 5 | 42 | 53 | 30.7016 | 145 | 31 | 25.2331 |
| 6 | 42 | 53 | 30.6988 | 145 | 31 | 25.0128 |
| 7 | 42 | 53 | 30.6959 | 145 | 31 | 24.7924 |
| 8 | 42 | 53 | 30.6931 | 145 | 31 | 24.5720 |
| 9 | 42 | 53 | 30.6874 | 145 | 31 | 24.1313 |
| 10 | 42 | 53 | 30.6845 | 145 | 31 | 23.9109 |
| 11 | 42 | 53 | 30.6789 | 145 | 31 | 23.4701 |
| 12 | 42 | 53 | 30.6732 | 145 | 31 | 23.0294 |
| 13 | 42 | 53 | 30.6675 | 145 | 31 | 22.5886 |
| 14 | 42 | 53 | 30.6618 | 145 | 31 | 22.1479 |
| 15 | 42 | 53 | 30.6561 | 145 | 31 | 21.7071 |
| 16 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |

| | BOUGUER GRAVITY HAMMER | BOUGUER GRAVITY SUMPTON | BOUGUER GRAVITY Δ-216.4 |
|---|---|---|---|
| | 372.8 | | |
| | 372.4 | 156.1 | -.0 |
| | 373.3 | 156.9 | -.0 |
| | 372.5 | 156.1 | -.0 |
| | 372.8 | 156.5 | -.0 |
| | 372.0 | 155.7 | -.0 |
| | 372.7 | 156.4 | -.0 |
| | 371.7 | 155.4 | -.0 |
| | 372.7 | 156.4 | -.0 |
| | 372.5 | 156.1 | -.0 |
| | 373.2 | 156.8 | -.0 |
| | 373.6 | 157.2 | -.0 |
| | 374.4 | 158.0 | -.0 |
| | 374.4 | 158.0 | -.0 |
| | 374.4 | 158.1 | -.0 |
| | 372.8 | | |

021

044022

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0010
SURVEY NAME :
VOYAGER 19 11800N 26/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000037
GRID NAME : VOYAGER 19
LOCAL 11800N 10000E
AMG 5250120N 379475E
OBS. GRAVITY: 9804482.8
BASE HEIGHT : 138.84

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |
| 2 | G(V19)000147 | 11800 | 10005 | 138.70 | 9804482.8 |
| 3 | G(V19)000148 | 11800 | 10010 | 138.61 | 9804482.8 |
| 4 | G(V19)000149 | 11800 | 10015 | 138.68 | 9804482.4 |
| 5 | G(V19)000150 | 11800 | 10020 | 138.77 | 9804482.4 |
| 6 | G(V19)000110 | 11800 | 10025 | 138.89 | 9804481.7 |
| 7 | G(V19)000151 | 11800 | 10030 | 139.03 | 9804480.9 |
| 8 | G(V19)000152 | 11800 | 10035 | 139.04 | 9804480.9 |
| 9 | G(V19)000153 | 11800 | 10040 | 139.19 | 9804480.1 |
| 10 | G(V19)000154 | 11800 | 10045 | 139.51 | 9804479.8 |
| 11 | G(V19)000111 | 11800 | 10050 | 139.82 | 9804479.0 |
| 12 | G(V19)000155 | 11800 | 10060 | 140.97 | 9804476.0 |
| 13 | G(V19)000156 | 11800 | 10070 | 141.64 | 9804474.2 |
| 14 | G(V19)000157 | 11800 | 10080 | 141.12 | 9804474.4 |
| 15 | G(V19)000158 | 11800 | 10090 | 140.66 | 9804473.9 |
| 16 | G(V19)000113 | 11800 | 10100 | 140.93 | 9804474.1 |
| 17 | G(V19)000037 | 11800 | 10000 | 138.84 | 9804482.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5250120 | 379475 |
| 2 | 5250120 | 379480 |
| 3 | 5250120 | 379485 |
| 4 | 5250120 | 379490 |
| 5 | 5250120 | 379495 |
| 6 | 5250120 | 379500 |
| 7 | 5250120 | 379505 |
| 8 | 5250120 | 379510 |
| 9 | 5250120 | 379515 |
| 10 | 5250120 | 379520 |
| 11 | 5250120 | 379525 |
| 12 | 5250120 | 379535 |
| 13 | 5250120 | 379545 |
| 14 | 5250120 | 379555 |
| 15 | 5250120 | 379565 |
| 16 | 5250120 | 379575 |
| 17 | 5250120 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |
| | 371.6 | | 372.5 | .38 | 0.00 | 0.00 |
| | 371.4 | | 372.3 | .38 | 0.00 | 0.00 |
| | 371.1 | | 372.1 | .38 | 0.00 | 0.00 |
| | 371.3 | | 372.2 | .37 | 0.00 | 0.00 |
| | 370.9 | 372.7 | 371.8 | .37 | .70 | .70 |
| | 370.4 | | 371.3 | .37 | 0.00 | 0.00 |
| | 370.4 | | 371.3 | .37 | 0.00 | 0.00 |
| | 369.9 | | 370.8 | .37 | 0.00 | 0.00 |
| | 370.2 | | 371.1 | .36 | 0.00 | 0.00 |
| | 370.1 | 371.9 | 371.0 | .36 | .70 | .70 |
| | 369.4 | | 370.3 | .36 | 0.00 | 0.00 |
| | 369.0 | | 369.9 | .36 | 0.00 | 0.00 |
| | 368.0 | | 368.9 | .36 | 0.00 | 0.00 |
| | 366.7 | | 367.6 | .36 | 0.00 | 0.00 |
| | 367.4 | 369.2 | 368.3 | .35 | .70 | .70 |
| | 371.9 | 373.6 | 372.8 | .39 | .70 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |
| 2 | 42 | 53 | 30.7158 | 145 | 31 | 26.3350 |
| 3 | 42 | 53 | 30.7186 | 145 | 31 | 26.5554 |
| 4 | 42 | 53 | 30.7215 | 145 | 31 | 26.7758 |
| 5 | 42 | 53 | 30.7243 | 145 | 31 | 26.9962 |
| 6 | 42 | 53 | 30.7272 | 145 | 31 | 27.2165 |
| 7 | 42 | 53 | 30.7300 | 145 | 31 | 27.4369 |
| 8 | 42 | 53 | 30.7329 | 145 | 31 | 27.6573 |
| 9 | 42 | 53 | 30.7357 | 145 | 31 | 27.8777 |
| 10 | 42 | 53 | 30.7385 | 145 | 31 | 28.0980 |
| 11 | 42 | 53 | 30.7414 | 145 | 31 | 28.3184 |
| 12 | 42 | 53 | 30.7471 | 145 | 31 | 28.7592 |
| 13 | 42 | 53 | 30.7527 | 145 | 31 | 29.1999 |
| 14 | 42 | 53 | 30.7584 | 145 | 31 | 29.6407 |
| 15 | 42 | 53 | 30.7641 | 145 | 31 | 30.0814 |
| 16 | 42 | 53 | 30.7698 | 145 | 31 | 30.5222 |
| 17 | 42 | 53 | 30.7130 | 145 | 31 | 26.1146 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 372.8 | | |
| | 372.5 | 156.2 | -.0 |
| | 372.3 | 156.0 | -.0 |
| | 372.1 | 155.7 | -.1 |
| | 372.2 | 155.9 | -.1 |
| | 371.8 | 155.5 | -.1 |
| | 371.3 | 154.9 | -.0 |
| | 371.3 | 155.0 | -.1 |
| | 370.8 | 154.5 | -.1 |
| | 371.1 | 154.7 | -.1 |
| | 371.0 | 154.7 | -.1 |
| | 370.3 | 154.0 | -.0 |
| | 369.9 | 153.5 | -.0 |
| | 368.9 | 152.6 | -.1 |
| | 367.6 | 151.3 | -.1 |
| | 368.3 | 152.1 | -.2 |
| | 372.8 | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0011
SURVEY NAME :
VOYAGER 19 11850N 1/12/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000036
GRID NAME : VOYAGER 19
LOCAL 11850N 10000E
AMG 5250170N 379475E
OBS. GRAVITY: 9804475.8
BASE HEIGHT : 141.95

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000036 | 11850 | 10000 | 141.95 | 9804475.8 |
| 2 | G(V19)000159 | 11850 | 9975 | 141.81 | 9804476.1 |
| 3 | G(V19)000160 | 11850 | 9950 | 143.04 | 9804474.1 |
| 4 | G(V19)000161 | 11850 | 9925 | 143.40 | 9804474.3 |
| 5 | G(V19)000162 | 11850 | 9900 | 142.34 | 9804476.9 |
| 6 | G(V19)000163 | 11850 | 9875 | 139.47 | 9804483.6 |
| 7 | G(V19)000164 | 11850 | 9850 | 139.19 | 9804484.4 |
| 8 | G(V19)000036 | 11850 | 10000 | 141.95 | 9804475.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5250170 | 379475 |
| 2 | 5250170 | 379450 |
| 3 | 5250170 | 379425 |
| 4 | 5250170 | 379400 |
| 5 | 5250170 | 379375 |
| 6 | 5250170 | 379350 |
| 7 | 5250170 | 379325 |
| 8 | 5250170 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 371.6 | | 372.8 | .49 | 0.00 | 0.00 |
| 2 | 371.6 | | 372.8 | .50 | 0.00 | 0.00 |
| 3 | 372.1 | | 373.4 | .51 | 0.00 | 0.00 |
| 4 | 373.1 | | 374.4 | .52 | 0.00 | 0.00 |
| 5 | 373.5 | 375.8 | 374.9 | .54 | .90 | .80 |
| 6 | 374.3 | 376.1 | 375.5 | .48 | .70 | .70 |
| 7 | 374.6 | 376.6 | 375.7 | .43 | .80 | .80 |
| 8 | 371.6 | | 372.8 | .49 | 0.00 | 0.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 29.0926 | 145 | 31 | 26.1533 |
| 2 | 42 | 53 | 29.0784 | 145 | 31 | 25.0514 |
| 3 | 42 | 53 | 29.0641 | 145 | 31 | 23.9496 |
| 4 | 42 | 53 | 29.0499 | 145 | 31 | 22.8477 |
| 5 | 42 | 53 | 29.0357 | 145 | 31 | 21.7458 |
| 6 | 42 | 53 | 29.0215 | 145 | 31 | 20.6439 |
| 7 | 42 | 53 | 29.0073 | 145 | 31 | 19.5421 |
| 8 | 42 | 53 | 29.0926 | 145 | 31 | 26.1533 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 372.8 | | |
| 2 | 372.8 | 156.5 | -.0 |
| 3 | 373.4 | 157.0 | -.0 |
| 4 | 374.4 | 158.0 | -.0 |
| 5 | 374.9 | 158.5 | -.0 |
| 6 | 375.5 | 159.2 | -.0 |
| 7 | 375.7 | 159.3 | -.0 |
| 8 | 372.8 | | |

025

044024

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0012
SURVEY NAME :
VOYAGER 19 11850N 1/12/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000036
GRID NAME : VOYAGER 19
LOCAL 11850N 10000E
AMG 5250170N 379475E
OBS. GRAVITY: 9804475.8
BASE HEIGHT : 141.95

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000036 | 11850 | 10000 | 141.95 | 9804475.8 |
| 2 | G(V19)000165 | 11850 | 10025 | 142.33 | 9804474.6 |
| 3 | G(V19)000166 | 11850 | 10050 | 143.02 | 9804471.4 |
| 4 | G(V19)000167 | 11850 | 10075 | 143.98 | 9804468.9 |
| 5 | G(V19)000168 | 11850 | 10100 | 143.62 | 9804468.4 |
| 6 | G(V19)000169 | 11850 | 10125 | 144.52 | 9804465.6 |
| 7 | G(V19)000170 | 11850 | 10150 | 145.28 | 9804462.6 |
| 8 | G(V19)000171 | 11850 | 10175 | 144.79 | 9804462.8 |
| 9 | G(V19)000172 | 11850 | 10200 | 144.36 | 9804463.2 |
| 10 | G(V19)000173 | 11850 | 10225 | 142.71 | 9804465.5 |
| 11 | G(V19)000174 | 11850 | 10250 | 138.22 | 9804473.4 |
| 12 | G(V19)000175 | 11850 | 10275 | 133.97 | 9804481.0 |
| 13 | G(V19)000176 | 11850 | 10300 | 133.80 | 9804479.3 |
| 14 | G(V19)000036 | 11850 | 10000 | 141.95 | 9804475.8 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250170 | 379475 | 371.6 | | 372.8 | .49 | 0.00 | 0.00 |
| 2 | 5250170 | 379500 | 371.2 | | 372.4 | .48 | 0.00 | 0.00 |
| 3 | 5250170 | 379525 | 369.3 | | 370.5 | .47 | 0.00 | 0.00 |
| 4 | 5250170 | 379550 | 368.8 | | 370.0 | .49 | 0.00 | 0.00 |
| 5 | 5250170 | 379575 | 367.6 | | 368.9 | .52 | 0.00 | 0.00 |
| 6 | 5250170 | 379600 | 366.6 | | 367.8 | .49 | 0.00 | 0.00 |
| 7 | 5250170 | 379625 | 365.2 | | 366.3 | .47 | 0.00 | 0.00 |
| 8 | 5250170 | 379650 | 364.3 | | 365.6 | .51 | 0.00 | 0.00 |
| 9 | 5250170 | 379675 | 363.8 | | 365.2 | .57 | 0.00 | 0.00 |
| 10 | 5250170 | 379700 | 362.8 | | 364.3 | .62 | 0.00 | 0.00 |
| 11 | 5250170 | 379725 | 361.5 | | 363.1 | .62 | 0.00 | 0.00 |
| 12 | 5250170 | 379750 | 360.6 | | 362.1 | .59 | 0.00 | 0.00 |
| 13 | 5250170 | 379775 | 358.5 | | 359.9 | .56 | 0.00 | 0.00 |
| 14 | 5250170 | 379475 | 371.6 | | 372.8 | .49 | 0.00 | 0.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | BOUGUER GRAVITY SUMPTON | A-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 29.0926 | 145 | 31 | 26.1533 | 372.8 | | |
| 2 | 42 | 53 | 29.1068 | 145 | 31 | 27.2552 | 372.4 | 156.1 | -.1 |
| 3 | 42 | 53 | 29.1210 | 145 | 31 | 28.3570 | 370.5 | 154.2 | -.1 |
| 4 | 42 | 53 | 29.1352 | 145 | 31 | 29.4589 | 370.0 | 153.7 | -.1 |
| 5 | 42 | 53 | 29.1494 | 145 | 31 | 30.5608 | 368.9 | 152.6 | -.1 |
| 6 | 42 | 53 | 29.1636 | 145 | 31 | 31.6627 | 367.8 | 151.5 | -.1 |
| 7 | 42 | 53 | 29.1778 | 145 | 31 | 32.7645 | 366.3 | 149.3 | .7 |
| 8 | 42 | 53 | 29.1920 | 145 | 31 | 33.8664 | 365.6 | 149.3 | -.1 |
| 9 | 42 | 53 | 29.2061 | 145 | 31 | 34.9683 | 365.2 | 148.9 | -.1 |
| 10 | 42 | 53 | 29.2203 | 145 | 31 | 36.0702 | 364.3 | 148.0 | -.1 |
| 11 | 42 | 53 | 29.2345 | 145 | 31 | 37.1720 | 363.1 | 146.8 | -.1 |
| 12 | 42 | 53 | 29.2487 | 145 | 31 | 38.2739 | 362.1 | 145.8 | -.1 |
| 13 | 42 | 53 | 29.2629 | 145 | 31 | 39.3758 | 359.9 | 143.6 | -.1 |
| 14 | 42 | 53 | 29.0926 | 145 | 31 | 26.1533 | 372.8 | | |

S2?

044025

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0013
SURVEY NAME :
VOYAGER 19 11900N 8/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000035
GRID NAME : VOYAGER 19
LOCAL 11900N 10000E
AMG 5250220N 379475E
OBS. GRAVITY: 9804468
BASE HEIGHT : 145.18

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |
| 2 | G(V19)000177 | 11900 | 9975 | 146.61 | 9804465.5 |
| 3 | G(V19)000178 | 11900 | 9950 | 147.59 | 9804463.5 |
| 4 | G(V19)000179 | 11900 | 9925 | 144.20 | 9804471.4 |
| 5 | G(V19)000180 | 11900 | 9900 | 142.98 | 9804473.8 |
| 6 | G(V19)000181 | 11900 | 9875 | 142.42 | 9804476.2 |
| 7 | G(V19)000182 | 11900 | 9850 | 145.40 | 9804471.2 |
| 8 | G(V19)000183 | 11900 | 9825 | 144.31 | 9804474.8 |
| 9 | G(V19)000184 | 11900 | 9800 | 142.27 | 9804480.0 |
| 10 | G(V19)000185 | 11900 | 9775 | 140.52 | 9804483.9 |
| 11 | G(V19)000186 | 11900 | 9750 | 138.50 | 9804488.2 |
| 12 | G(V19)000187 | 11900 | 9725 | 138.00 | 9804490.1 |
| 13 | G(V19)000188 | 11900 | 9700 | 138.67 | 9804490.0 |
| 14 | G(V19)000189 | 11900 | 9675 | 140.14 | 9804488.0 |
| 15 | G(V19)000190 | 11900 | 9650 | 138.51 | 9804492.5 |
| 16 | G(V19)000191 | 11900 | 9625 | 137.43 | 9804495.8 |
| 17 | G(V19)000192 | 11900 | 9600 | 136.84 | 9804497.8 |
| 18 | G(V19)000193 | 11900 | 9575 | 137.96 | 9804496.4 |
| 19 | G(V19)000194 | 11900 | 9550 | 137.96 | 9804497.1 |
| 20 | G(V19)000195 | 11900 | 9525 | 137.84 | 9804497.9 |
| 21 | G(V19)000196 | 11900 | 9500 | 136.41 | 9804501.9 |
| 22 | G(V19)000189 | 11900 | 9675 | 140.14 | 9804488.2 |
| 23 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |

| | AMG N | E |
|---|---|---|
| 1 | 5250220 | 379475 |
| 2 | 5250220 | 379450 |
| 3 | 5250220 | 379425 |
| 4 | 5250220 | 379400 |
| 5 | 5250220 | 379375 |
| 6 | 5250220 | 379350 |
| 7 | 5250220 | 379325 |
| 8 | 5250220 | 379300 |
| 9 | 5250220 | 379275 |
| 10 | 5250220 | 379250 |
| 11 | 5250220 | 379225 |
| 12 | 5250220 | 379200 |
| 13 | 5250220 | 379175 |
| 14 | 5250220 | 379150 |
| 15 | 5250220 | 379125 |
| 16 | 5250220 | 379100 |
| 17 | 5250220 | 379075 |
| 18 | 5250220 | 379050 |
| 19 | 5250220 | 379025 |
| 20 | 5250220 | 379000 |
| 21 | 5250220 | 378975 |
| 22 | 5250220 | 379150 |
| 23 | 5250220 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |
| | 371.1 | 373.1 | 372.5 | .56 | .80 | .80 |
| | 371.2 | 373.7 | 372.6 | .55 | 1.00 | 1.00 |
| | 372.2 | 373.9 | 373.5 | .52 | .70 | .70 |
| | 372.1 | 373.9 | 373.4 | .50 | .70 | .70 |
| | 373.3 | 375.1 | 374.6 | .52 | .70 | .70 |
| | 374.4 | 376.9 | 375.8 | .55 | 1.00 | 1.00 |
| | 375.8 | 378.3 | 377.1 | .51 | 1.00 | 1.00 |
| | 376.9 | 379.1 | 378.0 | .44 | .90 | .90 |
| | 377.2 | 379.3 | 378.3 | .41 | .80 | .80 |
| | 377.4 | 379.1 | 378.3 | .38 | .70 | .70 |
| | 378.3 | 379.8 | 379.2 | .37 | .60 | .60 |
| | 379.5 | 381.1 | 380.4 | .36 | .60 | .60 |
| | 380.5 | 382.5 | 381.4 | .35 | .60 | .80 |
| | 381.8 | 383.5 | 382.6 | .34 | .70 | .70 |
| | 382.9 | 384.6 | 383.7 | .33 | .70 | .60 |
| | 383.7 | 385.5 | 384.5 | .33 | .70 | .60 |
| | 384.6 | | 385.4 | .34 | 0.00 | 0.00 |
| | 385.2 | | 386.1 | .34 | 0.00 | 0.00 |
| | 385.8 | | 386.7 | .34 | 0.00 | 0.00 |
| | 386.9 | | 387.7 | .35 | 0.00 | 0.00 |
| | 380.7 | 382.7 | 381.6 | .35 | .80 | .80 |
| | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 |
| 2 | 42 | 53 | 27.4580 | 145 | 31 | 25.0901 |
| 3 | 42 | 53 | 27.4437 | 145 | 31 | 23.9882 |
| 4 | 42 | 53 | 27.4295 | 145 | 31 | 22.8864 |
| 5 | 42 | 53 | 27.4153 | 145 | 31 | 21.7845 |
| 6 | 42 | 53 | 27.4011 | 145 | 31 | 20.6826 |
| 7 | 42 | 53 | 27.3869 | 145 | 31 | 19.5808 |
| 8 | 42 | 53 | 27.3726 | 145 | 31 | 18.4789 |
| 9 | 42 | 53 | 27.3584 | 145 | 31 | 17.3770 |
| 10 | 42 | 53 | 27.3442 | 145 | 31 | 16.2752 |
| 11 | 42 | 53 | 27.3299 | 145 | 31 | 15.1733 |
| 12 | 42 | 53 | 27.3157 | 145 | 31 | 14.0715 |
| 13 | 42 | 53 | 27.3014 | 145 | 31 | 12.9696 |
| 14 | 42 | 53 | 27.2872 | 145 | 31 | 11.8677 |
| 15 | 42 | 53 | 27.2729 | 145 | 31 | 10.7659 |
| 16 | 42 | 53 | 27.2587 | 145 | 31 | 9.6640 |
| 17 | 42 | 53 | 27.2444 | 145 | 31 | 8.5622 |
| 18 | 42 | 53 | 27.2302 | 145 | 31 | 7.4603 |
| 19 | 42 | 53 | 27.2159 | 145 | 31 | 6.3584 |
| 20 | 42 | 53 | 27.2017 | 145 | 31 | 5.2566 |
| 21 | 42 | 53 | 27.1874 | 145 | 31 | 4.1547 |
| 22 | 42 | 53 | 27.2872 | 145 | 31 | 11.8677 |
| 23 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| | 372.2 | | |
| | 372.5 | 156.1 | -.0 |
| | 372.6 | 156.2 | -.0 |
| | 373.5 | 157.1 | -.0 |
| | 373.4 | 157.0 | -.0 |
| | 374.6 | 158.2 | -.0 |
| | 375.8 | 159.4 | -.0 |
| | 377.1 | 160.7 | .0 |
| | 378.0 | 161.6 | .0 |
| | 378.3 | 161.9 | .0 |
| | 378.3 | 161.9 | .0 |
| | 379.2 | 162.8 | .0 |
| | 380.4 | 164.0 | .0 |
| | 381.4 | 165.0 | .0 |
| | 382.6 | 166.2 | .0 |
| | 383.7 | 167.3 | .0 |
| | 384.5 | 168.1 | .0 |
| | 385.4 | 169.0 | .0 |
| | 386.1 | 169.6 | .0 |
| | 386.7 | 170.2 | .0 |
| | 387.7 | 171.3 | .1 |
| | 381.6 | | |
| | 372.2 | | |

023

044026

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0014
SURVEY NAME :
VOYAGER 19 11900N 8/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000035
GRID NAME : VOYAGER 19
LOCAL 11900N 10000E
AMG 5250220N 379475E
OBS. GRAVITY: 9804468
BASE HEIGHT : 145.18

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |
| 2 | G(V19)000197 | 11900 | 10025 | 146.15 | 9804465.5 |
| 3 | G(V19)000198 | 11900 | 10050 | 147.08 | 9804462.8 |
| 4 | G(V19)000199 | 11900 | 10075 | 147.66 | 9804460.4 |
| 5 | G(V19)000200 | 11900 | 10100 | 148.72 | 9804456.9 |
| 6 | G(V19)000201 | 11900 | 10125 | 146.64 | 9804460.1 |
| 7 | G(V19)000202 | 11900 | 10150 | 146.57 | 9804459.9 |
| 8 | G(V19)000203 | 11900 | 10175 | 145.66 | 9804460.8 |
| 9 | G(V19)000204 | 11900 | 10200 | 144.16 | 9804463.3 |
| 10 | G(V19)000205 | 11900 | 10225 | 139.21 | 9804472.9 |
| 11 | G(V19)000206 | 11900 | 10250 | 137.06 | 9804476.1 |
| 12 | G(V19)000207 | 11900 | 10275 | 138.36 | 9804471.8 |
| 13 | G(V19)000208 | 11900 | 10300 | 140.05 | 9804467.2 |
| 14 | G(V19)000209 | 11900 | 10325 | 141.47 | 9804464.0 |
| 15 | G(V19)000210 | 11900 | 10350 | 143.54 | 9804459.2 |
| 16 | G(V19)000211 | 11900 | 10375 | 145.19 | 9804455.1 |
| 17 | G(V19)000212 | 11900 | 10400 | 145.78 | 9804453.7 |
| 18 | G(V19)000213 | 11900 | 10425 | 146.07 | 9804451.5 |
| 19 | G(V19)000214 | 11900 | 10450 | 146.01 | 9804451.2 |
| 20 | G(V19)000215 | 11900 | 10475 | 145.76 | 9804450.9 |
| 21 | G(V19)000216 | 11900 | 10500 | 145.39 | 9804450.6 |
| 22 | G(V19)000217 | 11900 | 10525 | 144.40 | 9804450.0 |
| 23 | G(V19)000218 | 11900 | 10550 | 141.22 | 9804455.8 |
| 24 | G(V19)000219 | 11900 | 10575 | 141.31 | 9804454.7 |
| 25 | G(V19)000220 | 11900 | 10600 | 140.49 | 9804454.7 |
| 26 | G(V19)000216 | 11900 | 10500 | 145.39 | 9804450.0 |
| 27 | G(V19)000212 | 11900 | 10400 | 145.78 | 9804452.8 |
| 28 | G(V19)000204 | 11900 | 10200 | 144.16 | 9804462.6 |
| 29 | G(V19)000035 | 11900 | 10000 | 145.18 | 9804468.0 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250220 | 379475 | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |
| 2 | 5250220 | 379500 | 370.2 | 372.2 | 371.5 | .54 | .80 | .80 |
| 3 | 5250220 | 379525 | 369.4 | 371.7 | 370.7 | .52 | .90 | .80 |
| 4 | 5250220 | 379550 | 368.1 | 370.4 | 369.4 | .51 | .90 | .80 |
| 5 | 5250220 | 379575 | 366.8 | 369.0 | 368.0 | .48 | .90 | .90 |
| 6 | 5250220 | 379600 | 365.8 | 367.9 | 367.0 | .47 | .80 | .80 |
| 7 | 5250220 | 379625 | 365.5 | 367.5 | 366.8 | .51 | .80 | .80 |
| 8 | 5250220 | 379650 | 364.5 | 366.2 | 365.8 | .52 | .70 | .70 |
| 9 | 5250220 | 379675 | 364.0 | 366.0 | 365.3 | .53 | .80 | .80 |
| 10 | 5250220 | 379700 | 363.5 | 366.2 | 364.7 | .48 | 1.10 | 1.00 |
| 11 | 5250220 | 379725 | 362.3 | 364.6 | 363.4 | .44 | .90 | .90 |
| 12 | 5250220 | 379750 | 360.7 | 362.7 | 361.8 | .43 | .80 | .70 |
| 13 | 5250220 | 379775 | 359.4 | 361.7 | 360.5 | .43 | .90 | .80 |
| 14 | 5250220 | 379800 | 359.1 | 361.4 | 360.2 | .42 | .90 | .90 |
| 15 | 5250220 | 379825 | 358.6 | 361.1 | 359.6 | .41 | 1.00 | .90 |
| 16 | 5250220 | 379850 | 357.8 | 360.0 | 358.8 | .40 | .90 | .90 |
| 17 | 5250220 | 379875 | 357.6 | 359.6 | 358.6 | .39 | .80 | .80 |
| 18 | 5250220 | 379900 | 356.0 | 357.8 | 357.0 | .38 | .70 | .70 |
| 19 | 5250220 | 379925 | 355.6 | 357.4 | 356.5 | .37 | .70 | .70 |
| 20 | 5250220 | 379950 | 354.8 | 356.5 | 355.7 | .38 | .70 | .60 |
| 21 | 5250220 | 379975 | 353.7 | 355.2 | 354.7 | .39 | .60 | .60 |
| 22 | 5250220 | 380000 | 351.0 | 352.6 | 352.0 | .37 | .60 | .60 |
| 23 | 5250220 | 380025 | 350.4 | 352.2 | 351.4 | .38 | .70 | .60 |
| 24 | 5250220 | 380050 | 349.5 | 351.1 | 350.5 | .37 | .60 | .60 |
| 25 | 5250220 | 380075 | 347.9 | 349.4 | 348.8 | .37 | .60 | .60 |
| 26 | 5250220 | 379975 | 353.1 | 354.6 | 354.0 | .39 | .60 | .60 |
| 27 | 5250220 | 379875 | 356.7 | 358.7 | 357.7 | .39 | .80 | .80 |
| 28 | 5250220 | 379675 | 363.2 | 365.2 | 364.6 | .53 | .80 | .80 |
| 29 | 5250220 | 379475 | 370.7 | 372.8 | 372.2 | .57 | .80 | .70 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | Δ-216.4 |
| 1 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 | 372.2 | | |
| 2 | 42 | 53 | 27.4864 | 145 | 31 | 27.2938 | 371.5 | 155.5 | -.3 |
| 3 | 42 | 53 | 27.5006 | 145 | 31 | 28.3957 | 370.7 | 154.7 | -.4 |
| 4 | 42 | 53 | 27.5148 | 145 | 31 | 29.4975 | 369.4 | 153.3 | -.2 |
| 5 | 42 | 53 | 27.5290 | 145 | 31 | 30.5994 | 368.0 | 151.8 | -.3 |
| 6 | 42 | 53 | 27.5432 | 145 | 31 | 31.7013 | 367.0 | 150.9 | -.3 |
| 7 | 42 | 53 | 27.5574 | 145 | 31 | 32.8031 | 366.8 | 150.5 | -.2 |
| 8 | 42 | 53 | 27.5716 | 145 | 31 | 33.9050 | 365.8 | 149.5 | -.2 |
| 9 | 42 | 53 | 27.5857 | 145 | 31 | 35.0069 | 365.3 | 149.1 | -.2 |
| 10 | 42 | 53 | 27.5999 | 145 | 31 | 36.1087 | 364.7 | 148.3 | -.0 |
| 11 | 42 | 53 | 27.6141 | 145 | 31 | 37.2106 | 363.4 | 146.9 | .1 |
| 12 | 42 | 53 | 27.6283 | 145 | 31 | 38.3125 | 361.8 | 145.3 | .1 |
| 13 | 42 | 53 | 27.6425 | 145 | 31 | 39.4143 | 360.5 | 144.1 | .0 |
| 14 | 42 | 53 | 27.6566 | 145 | 31 | 40.5162 | 360.2 | 143.7 | .1 |
| 15 | 42 | 53 | 27.6708 | 145 | 31 | 41.6181 | 359.6 | 143.1 | .1 |
| 16 | 42 | 53 | 27.6850 | 145 | 31 | 42.7199 | 358.8 | 142.2 | .1 |
| 17 | 42 | 53 | 27.6991 | 145 | 31 | 43.8218 | 358.6 | 142.0 | .1 |
| 18 | 42 | 53 | 27.7133 | 145 | 31 | 44.9237 | 357.0 | 140.5 | .1 |
| 19 | 42 | 53 | 27.7274 | 145 | 31 | 46.0255 | 356.5 | 140.1 | .0 |
| 20 | 42 | 53 | 27.7416 | 145 | 31 | 47.1274 | 355.7 | 139.3 | .0 |
| 21 | 42 | 53 | 27.7558 | 145 | 31 | 48.2293 | 354.7 | 138.3 | .0 |
| 22 | 42 | 53 | 27.7699 | 145 | 31 | 49.3311 | 352.0 | 135.6 | .0 |
| 23 | 42 | 53 | 27.7840 | 145 | 31 | 50.4330 | 351.4 | 135.2 | -.2 |
| 24 | 42 | 53 | 27.7982 | 145 | 31 | 51.5349 | 350.5 | 134.2 | -.1 |
| 25 | 42 | 53 | 27.8123 | 145 | 31 | 52.6367 | 348.8 | 132.6 | -.2 |
| 26 | 42 | 53 | 27.7558 | 145 | 31 | 48.2293 | 354.0 | | |
| 27 | 42 | 53 | 27.6991 | 145 | 31 | 43.8218 | 357.7 | | |
| 28 | 42 | 53 | 27.5857 | 145 | 31 | 35.0069 | 364.6 | | |
| 29 | 42 | 53 | 27.4722 | 145 | 31 | 26.1919 | 372.2 | | |

02.

044028

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0015
SURVEY NAME :
VOYAGER 19 12000N 10/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000033
GRID NAME : VOYAGER 19
LOCAL 12000N 10000E
AMG 5250320N 379475E
OBS. GRAVITY: 9804453.4
BASE HEIGHT : 151.54

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |
| 2 | G(V19)000221 | 12000 | 9975 | 149.62 | 9804457.9 |
| 3 | G(V19)000222 | 12000 | 9950 | 148.90 | 9804459.4 |
| 4 | G(V19)000223 | 12000 | 9925 | 147.72 | 9804461.5 |
| 5 | G(V19)000224 | 12000 | 9900 | 147.10 | 9804464.0 |
| 6 | G(V19)000225 | 12000 | 9875 | 146.75 | 9804465.6 |
| 7 | G(V19)000226 | 12000 | 9850 | 147.09 | 9804465.4 |
| 8 | G(V19)000227 | 12000 | 9825 | 146.98 | 9804467.1 |
| 9 | G(V19)000228 | 12000 | 9800 | 145.76 | 9804470.0 |
| 10 | G(V19)000229 | 12000 | 9775 | 144.53 | 9804472.4 |
| 11 | G(V19)000230 | 12000 | 9750 | 143.27 | 9804476.2 |
| 12 | G(V19)000231 | 12000 | 9725 | 142.69 | 9804478.6 |
| 13 | G(V19)000232 | 12000 | 9700 | 142.62 | 9804479.6 |
| 14 | G(V19)000233 | 12000 | 9675 | 140.92 | 9804485.1 |
| 15 | G(V19)000234 | 12000 | 9650 | 140.32 | 9804487.3 |
| 16 | G(V19)000235 | 12000 | 9625 | 140.10 | 9804488.2 |
| 17 | G(V19)000236 | 12000 | 9600 | 140.55 | 9804488.2 |
| 18 | G(V19)000237 | 12000 | 9575 | 140.60 | 9804489.0 |
| 19 | G(V19)000238 | 12000 | 9550 | 141.29 | 9804487.8 |
| 20 | G(V19)000239 | 12000 | 9525 | 142.35 | 9804486.7 |
| 21 | G(V19)000240 | 12000 | 9500 | 142.08 | 9804488.5 |
| 22 | G(V19)000232 | 12000 | 9700 | 142.62 | 9804479.7 |
| 23 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |

| | AMG N | E |
|---|---|---|
| 1 | 5250320 | 379475 |
| 2 | 5250320 | 379450 |
| 3 | 5250320 | 379425 |
| 4 | 5250320 | 379400 |
| 5 | 5250320 | 379375 |
| 6 | 5250320 | 379350 |
| 7 | 5250320 | 379325 |
| 8 | 5250320 | 379300 |
| 9 | 5250320 | 379275 |
| 10 | 5250320 | 379250 |
| 11 | 5250320 | 379225 |
| 12 | 5250320 | 379200 |
| 13 | 5250320 | 379175 |
| 14 | 5250320 | 379150 |
| 15 | 5250320 | 379125 |
| 16 | 5250320 | 379100 |
| 17 | 5250320 | 379075 |
| 18 | 5250320 | 379050 |
| 19 | 5250320 | 379025 |
| 20 | 5250320 | 379000 |
| 21 | 5250320 | 378975 |
| 22 | 5250320 | 379175 |
| 23 | 5250320 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |
| | 370.4 | 372.4 | 372.0 | .61 | .80 | .80 |
| | 370.6 | 372.6 | 372.0 | .58 | .80 | .80 |
| | 370.2 | 372.0 | 371.6 | .55 | .70 | .70 |
| | 371.5 | 373.2 | 372.8 | .52 | .70 | .70 |
| | 372.4 | 374.1 | 373.5 | .46 | .70 | .70 |
| | 372.8 | 374.6 | 373.9 | .42 | .70 | .70 |
| | 374.3 | 376.3 | 375.3 | .39 | .80 | .70 |
| | 374.7 | 376.5 | 375.6 | .36 | .70 | .70 |
| | 374.7 | 376.4 | 375.5 | .35 | .70 | .70 |
| | 375.9 | 377.4 | 376.8 | .33 | .60 | .60 |
| | 377.1 | 378.6 | 377.9 | .33 | .60 | .60 |
| | 378.0 | 379.8 | 378.8 | .32 | .70 | .70 |
| | 380.1 | 381.6 | 380.9 | .32 | .60 | .60 |
| | 381.0 | 382.5 | 381.8 | .33 | .60 | .60 |
| | 381.5 | 383.0 | 382.3 | .33 | .60 | .60 |
| | 382.4 | 384.2 | 383.3 | .34 | .70 | .70 |
| | 383.3 | | 384.2 | .35 | 0.00 | 0.00 |
| | 383.5 | | 384.4 | .35 | 0.00 | 0.00 |
| | 384.6 | | 385.5 | .35 | 0.00 | 0.00 |
| | 385.9 | | 386.8 | .36 | 0.00 | 0.00 |
| | 378.1 | 379.9 | 378.9 | .32 | .70 | .70 |
| | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 |
| 2 | 42 | 53 | 24.2171 | 145 | 31 | 25.1674 |
| 3 | 42 | 53 | 24.2029 | 145 | 31 | 24.0655 |
| 4 | 42 | 53 | 24.1887 | 145 | 31 | 22.9637 |
| 5 | 42 | 53 | 24.1745 | 145 | 31 | 21.8618 |
| 6 | 42 | 53 | 24.1603 | 145 | 31 | 20.7600 |
| 7 | 42 | 53 | 24.1461 | 145 | 31 | 19.6582 |
| 8 | 42 | 53 | 24.1318 | 145 | 31 | 18.5563 |
| 9 | 42 | 53 | 24.1176 | 145 | 31 | 17.4545 |
| 10 | 42 | 53 | 24.1034 | 145 | 31 | 16.3526 |
| 11 | 42 | 53 | 24.0891 | 145 | 31 | 15.2508 |
| 12 | 42 | 53 | 24.0749 | 145 | 31 | 14.1489 |
| 13 | 42 | 53 | 24.0606 | 145 | 31 | 13.0471 |
| 14 | 42 | 53 | 24.0464 | 145 | 31 | 11.9452 |
| 15 | 42 | 53 | 24.0321 | 145 | 31 | 10.8434 |
| 16 | 42 | 53 | 24.0179 | 145 | 31 | 9.7416 |
| 17 | 42 | 53 | 24.0036 | 145 | 31 | 8.6397 |
| 18 | 42 | 53 | 23.9894 | 145 | 31 | 7.5379 |
| 19 | 42 | 53 | 23.9751 | 145 | 31 | 6.4360 |
| 20 | 42 | 53 | 23.9609 | 145 | 31 | 5.3342 |
| 21 | 42 | 53 | 23.9466 | 145 | 31 | 4.2323 |
| 22 | 42 | 53 | 24.0606 | 145 | 31 | 13.0471 |
| 23 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 371.5 | | |
| | 372.0 | 155.6 | -.0 |
| | 372.0 | 155.7 | -.0 |
| | 371.6 | 155.2 | -.0 |
| | 372.8 | 156.4 | -.0 |
| | 373.5 | 157.1 | -.0 |
| | 373.9 | 157.5 | -.0 |
| | 375.3 | 158.9 | -.0 |
| | 375.6 | 159.2 | -.0 |
| | 375.5 | 159.1 | .0 |
| | 376.8 | 160.4 | .0 |
| | 377.9 | 161.5 | .0 |
| | 378.8 | 162.4 | .0 |
| | 380.9 | 164.5 | .0 |
| | 381.8 | 165.4 | .0 |
| | 382.3 | 166.0 | -.0 |
| | 383.3 | 166.8 | .0 |
| | 384.2 | 167.7 | .0 |
| | 384.4 | 168.0 | .0 |
| | 385.5 | 170.8 | -1.8 |
| | 386.8 | 170.3 | .0 |
| | 378.9 | | |
| | 371.5 | | |

320

044029

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0016
SURVEY NAME :
VOYAGER 19 12000N 9/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000033
GRID NAME : VOYAGER 19
LOCAL 12000N 10000E
AMG 5250320N 379475E
OBS. GRAVITY: 9804453.4
BASE HEIGHT : 151.54

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |
| 2 | G(V19)000241 | 12000 | 10025 | 152.95 | 9804450.2 |
| 3 | G(V19)000242 | 12000 | 10050 | 153.51 | 9804448.7 |
| 4 | G(V19)000243 | 12000 | 10075 | 153.28 | 9804448.4 |
| 5 | G(V19)000244 | 12000 | 10100 | 153.00 | 9804448.0 |
| 6 | G(V19)000245 | 12000 | 10125 | 151.92 | 9804448.8 |
| 7 | G(V19)000246 | 12000 | 10150 | 150.39 | 9804451.3 |
| 8 | G(V19)000247 | 12000 | 10175 | 149.98 | 9804451.4 |
| 9 | G(V19)000248 | 12000 | 10200 | 148.81 | 9804453.1 |
| 10 | G(V19)000242 | 12000 | 10050 | 153.51 | 9804448.4 |
| 11 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |

| | AMG N | E |
|---|---|---|
| 1 | 5250320 | 379475 |
| 2 | 5250320 | 379500 |
| 3 | 5250320 | 379525 |
| 4 | 5250320 | 379550 |
| 5 | 5250320 | 379575 |
| 6 | 5250320 | 379600 |
| 7 | 5250320 | 379625 |
| 8 | 5250320 | 379650 |
| 9 | 5250320 | 379675 |
| 10 | 5250320 | 379525 |
| 11 | 5250320 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |
| | 369.5 | 372.1 | 371.2 | .67 | 1.00 | 1.00 |
| | 369.2 | 371.7 | 370.9 | .68 | 1.00 | 1.00 |
| | 368.4 | 370.7 | 370.2 | .70 | .90 | .90 |
| | 367.4 | 369.7 | 369.3 | .75 | .90 | .90 |
| | 366.1 | 368.3 | 367.9 | .73 | .90 | .90 |
| | 365.4 | 367.7 | 367.2 | .72 | .90 | .90 |
| | 364.7 | 366.9 | 366.4 | .70 | .90 | .90 |
| | 364.0 | 366.2 | 365.7 | .67 | .90 | .90 |
| | 368.9 | 371.4 | 370.6 | .68 | 1.00 | 1.00 |
| | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 |
| 2 | 42 | 53 | 24.2456 | 145 | 31 | 27.3711 |
| 3 | 42 | 53 | 24.2598 | 145 | 31 | 28.4729 |
| 4 | 42 | 53 | 24.2740 | 145 | 31 | 29.5748 |
| 5 | 42 | 53 | 24.2882 | 145 | 31 | 30.6766 |
| 6 | 42 | 53 | 24.3024 | 145 | 31 | 31.7785 |
| 7 | 42 | 53 | 24.3166 | 145 | 31 | 32.8803 |
| 8 | 42 | 53 | 24.3307 | 145 | 31 | 33.9822 |
| 9 | 42 | 53 | 24.3449 | 145 | 31 | 35.0840 |
| 10 | 42 | 53 | 24.2598 | 145 | 31 | 28.4729 |
| 11 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 |

| BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|
| 371.5 | | |
| 371.2 | 154.9 | -.0 |
| 370.9 | 154.5 | -.0 |
| 370.2 | 153.8 | -.1 |
| 369.3 | 152.9 | -.1 |
| 367.9 | 151.6 | -.1 |
| 367.2 | 150.9 | -.1 |
| 366.4 | 150.1 | -.1 |
| 365.7 | 149.3 | -.1 |
| 370.6 | | |
| 371.5 | | |

025

044030

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0017
SURVEY NAME :
VOYAGER 19 12000N 10/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000033
GRID NAME : VOYAGER 19
LOCAL 12000N 10000E
AMG 5250320N 379475E
OBS. GRAVITY: 9804453.4
BASE HEIGHT : 151.54

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |
| 2 | G(V19)000248 | 12000 | 10200 | 148.81 | 9804453.1 |
| 3 | G(V19)000249 | 12000 | 10225 | 147.09 | 9804455.3 |
| 4 | G(V19)000250 | 12000 | 10250 | 147.75 | 9804455.1 |
| 5 | G(V19)000251 | 12000 | 10275 | 147.20 | 9804453.4 |
| 6 | G(V19)000252 | 12000 | 10300 | 148.69 | 9804449.7 |
| 7 | G(V19)000253 | 12000 | 10325 | 149.44 | 9804447.1 |
| 8 | G(V19)000254 | 12000 | 10350 | 149.64 | 9804445.8 |
| 9 | G(V19)000255 | 12000 | 10375 | 149.70 | 9804444.9 |
| 10 | G(V19)000256 | 12000 | 10400 | 149.51 | 9804445.2 |
| 11 | G(V19)000257 | 12000 | 10425 | 148.56 | 9804446.4 |
| 12 | G(V19)000258 | 12000 | 10450 | 147.20 | 9804448.1 |
| 13 | G(V19)000259 | 12000 | 10475 | 146.78 | 9804447.4 |
| 14 | G(V19)000260 | 12000 | 10500 | 146.19 | 9804447.2 |
| 15 | G(V19)000261 | 12000 | 10525 | 144.62 | 9804447.9 |
| 16 | G(V19)000262 | 12000 | 10550 | 142.72 | 9804449.5 |
| 17 | G(V19)000263 | 12000 | 10575 | 140.06 | 9804452.0 |
| 18 | G(V19)000258 | 12000 | 10450 | 147.20 | 9804447.9 |
| 19 | G(V19)000033 | 12000 | 10000 | 151.54 | 9804453.4 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250320 | 379475 | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |
| 2 | 5250320 | 379675 | 364.0 | 366.2 | 365.7 | .67 | .90 | .90 |
| 3 | 5250320 | 379700 | 362.7 | 365.0 | 364.3 | .64 | .90 | .90 |
| 4 | 5250320 | 379725 | 363.8 | 366.4 | 365.4 | .62 | 1.00 | 1.00 |
| 5 | 5250320 | 379750 | 361.0 | 363.5 | 362.6 | .61 | 1.00 | .90 |
| 6 | 5250320 | 379775 | 360.3 | 362.8 | 361.8 | .60 | 1.00 | 1.00 |
| 7 | 5250320 | 379800 | 359.3 | 361.8 | 360.7 | .55 | 1.00 | 1.00 |
| 8 | 5250320 | 379825 | 358.3 | 360.6 | 359.7 | .53 | .90 | .90 |
| 9 | 5250320 | 379850 | 357.6 | 359.9 | 358.9 | .51 | .90 | .90 |
| 10 | 5250320 | 379875 | 357.5 | 359.5 | 358.7 | .48 | .80 | .80 |
| 11 | 5250320 | 379900 | 356.8 | 358.8 | 357.9 | .46 | .80 | .80 |
| 12 | 5250320 | 379925 | 355.7 | 357.7 | 356.8 | .43 | .80 | .80 |
| 13 | 5250320 | 379950 | 354.1 | 355.8 | 355.1 | .41 | .70 | .70 |
| 14 | 5250320 | 379975 | 352.8 | 354.5 | 353.8 | .39 | .70 | .70 |
| 15 | 5250320 | 380000 | 350.2 | 352.0 | 351.1 | .36 | .70 | .70 |
| 16 | 5250320 | 380025 | 348.0 | 349.7 | 348.8 | .35 | .70 | .70 |
| 17 | 5250320 | 380050 | 345.1 | 347.1 | 346.0 | .34 | .80 | .70 |
| 18 | 5250320 | 379925 | 355.5 | 357.5 | 356.6 | .43 | .80 | .80 |
| 19 | 5250320 | 379475 | 369.9 | 384.5 | 371.5 | .65 | 5.80 | 5.60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 | 371.5 | | |
| 2 | 42 | 53 | 24.3449 | 145 | 31 | 35.0840 | 365.7 | 149.3 | -.1 |
| 3 | 42 | 53 | 24.3591 | 145 | 31 | 36.1859 | 364.3 | 147.9 | .0 |
| 4 | 42 | 53 | 24.3733 | 145 | 31 | 37.2877 | 365.4 | 149.0 | .0 |
| 5 | 42 | 53 | 24.3875 | 145 | 31 | 38.3896 | 362.6 | 146.2 | -.1 |
| 6 | 42 | 53 | 24.4016 | 145 | 31 | 39.4914 | 361.8 | 145.5 | -.1 |
| 7 | 42 | 53 | 24.4158 | 145 | 31 | 40.5933 | 360.7 | 144.4 | -.1 |
| 8 | 42 | 53 | 24.4300 | 145 | 31 | 41.6951 | 359.7 | 143.3 | -.1 |
| 9 | 42 | 53 | 24.4442 | 145 | 31 | 42.7970 | 358.9 | 142.6 | -.1 |
| 10 | 42 | 53 | 24.4583 | 145 | 31 | 43.8988 | 358.7 | 142.4 | -.1 |
| 11 | 42 | 53 | 24.4725 | 145 | 31 | 45.0007 | 357.9 | 141.6 | -.1 |
| 12 | 42 | 53 | 24.4866 | 145 | 31 | 46.1025 | 356.8 | 140.5 | -.1 |
| 13 | 42 | 53 | 24.5008 | 145 | 31 | 47.2044 | 355.1 | 138.8 | -.1 |
| 14 | 42 | 53 | 24.5149 | 145 | 31 | 48.3062 | 353.8 | 137.5 | -.1 |
| 15 | 42 | 53 | 24.5291 | 145 | 31 | 49.4081 | 351.1 | 134.8 | -.1 |
| 16 | 42 | 53 | 24.5432 | 145 | 31 | 50.5099 | 348.8 | 132.5 | -.1 |
| 17 | 42 | 53 | 24.5574 | 145 | 31 | 51.6118 | 346.0 | 129.7 | -.1 |
| 18 | 42 | 53 | 24.4866 | 145 | 31 | 46.1025 | 356.6 | | |
| 19 | 42 | 53 | 24.2314 | 145 | 31 | 26.2692 | 371.5 | | |

U30

044031

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0018
SURVEY NAME :
VOYAGER 19 12100N 13/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000031
GRID NAME : VOYAGER 19
LOCAL 12100N 10000E
AMG 5250420N 379475E
OBS. GRAVITY: 9804439.5
BASE HEIGHT : 158.16

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000031 | 12100 | 10000 | 158.16 | 9804439.5 |
| 2 | G(V19)000264 | 12100 | 9975 | 155.91 | 9804444.5 |
| 3 | G(V19)000265 | 12100 | 9950 | 153.95 | 9804448.4 |
| 4 | G(V19)000266 | 12100 | 9925 | 152.06 | 9804453.4 |
| 5 | G(V19)000267 | 12100 | 9900 | 150.62 | 9804457.9 |
| 6 | G(V19)000268 | 12100 | 9875 | 149.57 | 9804460.0 |
| 7 | G(V19)000269 | 12100 | 9850 | 148.93 | 9804461.9 |
| 8 | G(V19)000270 | 12100 | 9825 | 148.49 | 9804463.6 |
| 9 | G(V19)000271 | 12100 | 9800 | 148.58 | 9804463.5 |
| 10 | G(V19)000272 | 12100 | 9775 | 147.91 | 9804465.7 |
| 11 | G(V19)000273 | 12100 | 9750 | 144.99 | 9804471.9 |
| 12 | G(V19)000274 | 12100 | 9725 | 143.56 | 9804476.3 |
| 13 | G(V19)000275 | 12100 | 9700 | 141.79 | 9804480.3 |
| 14 | G(V19)000276 | 12100 | 9675 | 140.88 | 9804483.1 |
| 15 | G(V19)000277 | 12100 | 9650 | 140.00 | 9804486.0 |
| 16 | G(V19)000278 | 12100 | 9625 | 138.96 | 9804489.7 |
| 17 | G(V19)000279 | 12100 | 9600 | 138.12 | 9804492.4 |
| 18 | G(V19)000266 | 12100 | 9925 | 152.06 | 9804453.7 |
| 19 | G(V19)000031 | 12100 | 10000 | 158.16 | 9804439.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5250420 | 379475 |
| 2 | 5250420 | 379450 |
| 3 | 5250420 | 379425 |
| 4 | 5250420 | 379400 |
| 5 | 5250420 | 379375 |
| 6 | 5250420 | 379350 |
| 7 | 5250420 | 379325 |
| 8 | 5250420 | 379300 |
| 9 | 5250420 | 379275 |
| 10 | 5250420 | 379250 |
| 11 | 5250420 | 379225 |
| 12 | 5250420 | 379200 |
| 13 | 5250420 | 379175 |
| 14 | 5250420 | 379150 |
| 15 | 5250420 | 379125 |
| 16 | 5250420 | 379100 |
| 17 | 5250420 | 379075 |
| 18 | 5250420 | 379400 |
| 19 | 5250420 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 370.2 | 373.2 | 372.3 | .81 | 1.20 | 1.20 |
| | 370.6 | 373.4 | 372.6 | .77 | 1.10 | 1.10 |
| | 370.6 | 373.1 | 372.5 | .75 | 1.00 | 1.00 |
| | 371.7 | 374.0 | 373.5 | .71 | .90 | .90 |
| | 373.3 | 375.3 | 375.0 | .67 | .80 | .80 |
| | 373.3 | 375.3 | 374.8 | .59 | .80 | .80 |
| | 373.9 | 375.7 | 375.2 | .53 | .70 | .70 |
| | 374.7 | 376.5 | 375.9 | .48 | .70 | .70 |
| | 374.8 | 376.8 | 375.9 | .44 | .80 | .80 |
| | 375.7 | 377.7 | 376.7 | .42 | .80 | .80 |
| | 375.9 | 377.6 | 376.9 | .41 | .70 | .70 |
| | 377.4 | 379.2 | 378.4 | .40 | .70 | .70 |
| | 377.8 | 379.3 | 378.8 | .39 | .60 | .60 |
| | 378.8 | 380.3 | 379.8 | .38 | .60 | .60 |
| | 379.9 | 381.4 | 380.8 | .37 | .60 | .60 |
| | 381.5 | 383.0 | 382.4 | .35 | .60 | .60 |
| | 382.4 | 384.0 | 383.3 | .34 | .60 | .60 |
| | 372.1 | 374.3 | 373.9 | .71 | .90 | .90 |
| | 370.2 | 373.2 | 372.3 | .81 | 1.20 | 1.20 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 20.9906 | 145 | 31 | 26.3465 |
| 2 | 42 | 53 | 20.9763 | 145 | 31 | 25.2447 |
| 3 | 42 | 53 | 20.9621 | 145 | 31 | 24.1429 |
| 4 | 42 | 53 | 20.9479 | 145 | 31 | 23.0410 |
| 5 | 42 | 53 | 20.9337 | 145 | 31 | 21.9392 |
| 6 | 42 | 53 | 20.9195 | 145 | 31 | 20.8374 |
| 7 | 42 | 53 | 20.9052 | 145 | 31 | 19.7355 |
| 8 | 42 | 53 | 20.8910 | 145 | 31 | 18.6337 |
| 9 | 42 | 53 | 20.8768 | 145 | 31 | 17.5319 |
| 10 | 42 | 53 | 20.8626 | 145 | 31 | 16.4301 |
| 11 | 42 | 53 | 20.8483 | 145 | 31 | 15.3282 |
| 12 | 42 | 53 | 20.8341 | 145 | 31 | 14.2264 |
| 13 | 42 | 53 | 20.8198 | 145 | 31 | 13.1246 |
| 14 | 42 | 53 | 20.8056 | 145 | 31 | 12.0227 |
| 15 | 42 | 53 | 20.7913 | 145 | 31 | 10.9209 |
| 16 | 42 | 53 | 20.7771 | 145 | 31 | 9.8191 |
| 17 | 42 | 53 | 20.7628 | 145 | 31 | 8.7173 |
| 18 | 42 | 53 | 20.9479 | 145 | 31 | 23.0410 |
| 19 | 42 | 53 | 20.9906 | 145 | 31 | 26.3465 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| | 372.3 | | |
| | 372.6 | 156.2 | .0 |
| | 372.5 | 156.1 | .0 |
| | 373.5 | 157.1 | .0 |
| | 375.0 | 158.5 | .0 |
| | 374.8 | 158.3 | .0 |
| | 375.2 | 158.8 | .0 |
| | 375.9 | 159.0 | .6 |
| | 375.9 | 159.4 | .0 |
| | 376.7 | 160.3 | .1 |
| | 376.9 | 160.5 | .1 |
| | 378.4 | 162.0 | .1 |
| | 378.8 | 162.3 | .1 |
| | 379.8 | 163.3 | .1 |
| | 380.8 | 164.3 | .1 |
| | 382.4 | 164.4 | 1.5 |
| | 383.3 | 166.8 | .1 |
| | 373.9 | | |
| | 372.3 | | |

031

044032

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0019
SURVEY NAME :
VOYAGER 19 12100N 13/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000031
GRID NAME : VOYAGER 19
LOCAL 12100N 10000E
AMG 5250420N 379475E
OBS. GRAVITY: 9804439.5
BASE HEIGHT : 158.16

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000031 | 12100 | 10000 | 158.16 | 9804439.5 |
| 2 | G(V19)000280 | 12100 | 10025 | 161.12 | 9804432.2 |
| 3 | G(V19)000281 | 12100 | 10050 | 161.99 | 9804429.2 |
| 4 | G(V19)000282 | 12100 | 10075 | 158.74 | 9804435.0 |
| 5 | G(V19)000283 | 12100 | 10100 | 158.19 | 9804435.5 |
| 6 | G(V19)000284 | 12100 | 10125 | 158.89 | 9804433.3 |
| 7 | G(V19)000285 | 12100 | 10150 | 159.43 | 9804430.7 |
| 8 | G(V19)000286 | 12100 | 10175 | 159.91 | 9804428.3 |
| 9 | G(V19)000287 | 12100 | 10200 | 160.12 | 9804426.0 |
| 10 | G(V19)000288 | 12100 | 10225 | 159.03 | 9804427.8 |
| 11 | G(V19)000289 | 12100 | 10250 | 158.47 | 9804428.6 |
| 12 | G(V19)000290 | 12100 | 10275 | 157.34 | 9804430.9 |
| 13 | G(V19)000291 | 12100 | 10300 | 156.75 | 9804431.9 |
| 14 | G(V19)000292 | 12100 | 10325 | 156.13 | 9804432.8 |
| 15 | G(V19)000293 | 12100 | 10350 | 156.04 | 9804432.5 |
| 16 | G(V19)000294 | 12100 | 10375 | 155.50 | 9804432.3 |
| 17 | G(V19)000295 | 12100 | 10400 | 154.58 | 9804433.3 |
| 18 | G(V19)000296 | 12100 | 10425 | 153.31 | 9804434.9 |
| 19 | G(V19)000297 | 12100 | 10450 | 153.16 | 9804433.9 |
| 20 | G(V19)000298 | 12100 | 10475 | 152.52 | 9804433.5 |
| 21 | G(V19)000299 | 12100 | 10500 | 150.49 | 9804436.1 |
| 22 | G(V19)000300 | 12100 | 10525 | 147.24 | 9804439.3 |
| 23 | G(V19)000301 | 12100 | 10550 | 136.97 | 9804456.9 |
| 24 | G(V19)000296 | 12100 | 10425 | 153.31 | 9804435.4 |
| 25 | G(V19)000290 | 12100 | 10275 | 157.34 | 9804431.0 |
| 26 | G(V19)000031 | 12100 | 10000 | 158.16 | 9804439.5 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250420 | 379475 | 370.2 | 373.2 | 372.3 | .81 | 1.20 | 1.20 |
| 2 | 5250420 | 379500 | 368.9 | 372.4 | 371.4 | 1.00 | 1.40 | 1.40 |
| 3 | 5250420 | 379525 | 367.7 | 371.0 | 370.6 | 1.15 | 1.30 | 1.30 |
| 4 | 5250420 | 379550 | 366.9 | 369.9 | 369.6 | 1.07 | 1.20 | 1.20 |
| 5 | 5250420 | 379575 | 366.2 | 369.3 | 368.9 | 1.06 | 1.20 | 1.10 |
| 6 | 5250420 | 379600 | 365.5 | 368.5 | 368.3 | 1.10 | 1.20 | 1.20 |
| 7 | 5250420 | 379625 | 364.0 | 367.2 | 367.0 | 1.22 | 1.30 | 1.30 |
| 8 | 5250420 | 379650 | 362.5 | 366.0 | 365.7 | 1.27 | 1.40 | 1.40 |
| 9 | 5250420 | 379675 | 360.7 | 364.5 | 364.1 | 1.37 | 1.50 | 1.40 |
| 10 | 5250420 | 379700 | 360.3 | 363.8 | 363.8 | 1.40 | 1.40 | 1.40 |
| 11 | 5250420 | 379725 | 359.9 | 363.4 | 363.4 | 1.40 | 1.40 | 1.40 |
| 12 | 5250420 | 379750 | 359.9 | 363.4 | 363.2 | 1.30 | 1.40 | 1.40 |
| 13 | 5250420 | 379775 | 359.7 | 363.2 | 362.7 | 1.22 | 1.40 | 1.30 |
| 14 | 5250420 | 379800 | 359.4 | 362.6 | 361.9 | 1.00 | 1.30 | 1.30 |
| 15 | 5250420 | 379825 | 358.9 | 362.1 | 361.0 | .87 | 1.30 | 1.20 |
| 16 | 5250420 | 379850 | 357.5 | 360.6 | 359.4 | .75 | 1.20 | 1.20 |
| 17 | 5250420 | 379875 | 356.7 | 359.8 | 358.4 | .67 | 1.20 | 1.10 |
| 18 | 5250420 | 379900 | 355.7 | 358.5 | 357.5 | .70 | 1.10 | 1.10 |
| 19 | 5250420 | 379925 | 354.4 | 357.1 | 356.3 | .77 | 1.10 | 1.10 |
| 20 | 5250420 | 379950 | 352.6 | 355.4 | 354.7 | .82 | 1.10 | 1.10 |
| 21 | 5250420 | 379975 | 351.2 | 353.9 | 353.5 | .93 | 1.10 | 1.10 |
| 22 | 5250420 | 380000 | 347.8 | 350.8 | 350.2 | .95 | 1.20 | 1.20 |
| 23 | 5250420 | 380025 | 344.5 | 349.6 | 346.7 | .85 | 2.00 | 1.90 |
| 24 | 5250420 | 379900 | 356.2 | 358.9 | 357.9 | .70 | 1.10 | 1.10 |
| 25 | 5250420 | 379750 | 360.0 | 363.5 | 363.3 | 1.30 | 1.40 | 1.40 |
| 26 | 5250420 | 379475 | 370.2 | 373.2 | 372.3 | .81 | 1.20 | 1.20 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON A-216.4 | |
| 1 | 42 | 53 | 20.9906 | 145 | 31 | 26.3465 | 372.3 | | |
| 2 | 42 | 53 | 21.0048 | 145 | 31 | 27.4484 | 371.4 | 155.0 | .0 |
| 3 | 42 | 53 | 21.0190 | 145 | 31 | 28.5502 | 370.6 | 154.3 | -.1 |
| 4 | 42 | 53 | 21.0332 | 145 | 31 | 29.6520 | 369.6 | 153.2 | .0 |
| 5 | 42 | 53 | 21.0474 | 145 | 31 | 30.7539 | 368.9 | 152.5 | -.0 |
| 6 | 42 | 53 | 21.0616 | 145 | 31 | 31.8557 | 368.3 | 151.9 | -.0 |
| 7 | 42 | 53 | 21.0757 | 145 | 31 | 32.9575 | 367.0 | 151.3 | -.7 |
| 8 | 42 | 53 | 21.0899 | 145 | 31 | 34.0594 | 365.7 | 149.3 | -.0 |
| 9 | 42 | 53 | 21.1041 | 145 | 31 | 35.1612 | 364.1 | 147.8 | -.0 |
| 10 | 42 | 53 | 21.1183 | 145 | 31 | 36.2630 | 363.8 | 147.4 | -.0 |
| 11 | 42 | 53 | 21.1325 | 145 | 31 | 37.3649 | 363.4 | 147.1 | -.1 |
| 12 | 42 | 53 | 21.1467 | 145 | 31 | 38.4667 | 363.2 | 146.8 | -.0 |
| 13 | 42 | 53 | 21.1608 | 145 | 31 | 39.5685 | 362.7 | 146.4 | -.0 |
| 14 | 42 | 53 | 21.1750 | 145 | 31 | 40.6704 | 361.9 | 145.5 | -.0 |
| 15 | 42 | 53 | 21.1892 | 145 | 31 | 41.7722 | 361.0 | 144.7 | -.0 |
| 16 | 42 | 53 | 21.2033 | 145 | 31 | 42.8740 | 359.4 | 143.1 | -.0 |
| 17 | 42 | 53 | 21.2175 | 145 | 31 | 43.9759 | 358.4 | 142.1 | -.0 |
| 18 | 42 | 53 | 21.2317 | 145 | 31 | 45.0777 | 357.5 | 141.2 | -.0 |
| 19 | 42 | 53 | 21.2458 | 145 | 31 | 46.1795 | 356.3 | 140.0 | -.0 |
| 20 | 42 | 53 | 21.2600 | 145 | 31 | 47.2814 | 354.7 | 138.4 | -.1 |
| 21 | 42 | 53 | 21.2741 | 145 | 31 | 48.3832 | 353.5 | 137.2 | -.1 |
| 22 | 42 | 53 | 21.2883 | 145 | 31 | 49.4850 | 350.2 | 133.8 | -.1 |
| 23 | 42 | 53 | 21.3024 | 145 | 31 | 50.5869 | 346.7 | 130.1 | .2 |
| 24 | 42 | 53 | 21.2317 | 145 | 31 | 45.0777 | 357.9 | | |
| 25 | 42 | 53 | 21.1467 | 145 | 31 | 38.4667 | 363.3 | | |
| 26 | 42 | 53 | 20.9906 | 145 | 31 | 26.3465 | 372.3 | | |

033

044034

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0020
SURVEY NAME :
VOYAGER 19 12200N 13/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000029
GRID NAME : VOYAGER 19
LOCAL 12200N 10000E
AMG 5250520N 379475E
OBS. GRAVITY: 9804418.3
BASE HEIGHT : 167.1

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |
| 2 | G(V19)000302 | 12200 | 9975 | 164.93 | 9804423.6 |
| 3 | G(V19)000303 | 12200 | 9950 | 165.03 | 9804424.3 |
| 4 | G(V19)000304 | 12200 | 9925 | 161.59 | 9804432.5 |
| 5 | G(V19)000305 | 12200 | 9900 | 157.65 | 9804441.3 |
| 6 | G(V19)000306 | 12200 | 9875 | 152.53 | 9804452.4 |
| 7 | G(V19)000307 | 12200 | 9850 | 150.04 | 9804458.5 |
| 8 | G(V19)000308 | 12200 | 9825 | 148.79 | 9804461.7 |
| 9 | G(V19)000309 | 12200 | 9800 | 147.75 | 9804465.1 |
| 10 | G(V19)000310 | 12200 | 9775 | 146.05 | 9804469.5 |
| 11 | G(V19)000311 | 12200 | 9750 | 146.70 | 9804468.9 |
| 12 | G(V19)000312 | 12200 | 9725 | 145.59 | 9804472.1 |
| 13 | G(V19)000313 | 12200 | 9700 | 144.26 | 9804475.6 |
| 14 | G(V19)000314 | 12200 | 9675 | 143.94 | 9804476.8 |
| 15 | G(V19)000315 | 12200 | 9650 | 144.77 | 9804475.5 |
| 16 | G(V19)000316 | 12200 | 9625 | 145.71 | 9804473.9 |
| 17 | G(V19)000317 | 12200 | 9600 | 145.11 | 9804475.3 |
| 18 | G(V19)000318 | 12200 | 9575 | 143.67 | 9804479.0 |
| 19 | G(V19)000319 | 12200 | 9550 | 143.99 | 9804478.9 |
| 20 | G(V19)000320 | 12200 | 9525 | 142.96 | 9804482.1 |
| 21 | G(V19)000321 | 12200 | 9500 | 141.92 | 9804485.2 |
| 22 | G(V19)000305 | 12200 | 9900 | 157.65 | 9804441.1 |
| 23 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |

| | AMG N | E |
|---|---|---|
| 1 | 5250520 | 379475 |
| 2 | 5250520 | 379450 |
| 3 | 5250520 | 379425 |
| 4 | 5250520 | 379400 |
| 5 | 5250520 | 379375 |
| 6 | 5250520 | 379350 |
| 7 | 5250520 | 379325 |
| 8 | 5250520 | 379300 |
| 9 | 5250520 | 379275 |
| 10 | 5250520 | 379250 |
| 11 | 5250520 | 379225 |
| 12 | 5250520 | 379200 |
| 13 | 5250520 | 379175 |
| 14 | 5250520 | 379150 |
| 15 | 5250520 | 379125 |
| 16 | 5250520 | 379100 |
| 17 | 5250520 | 379075 |
| 18 | 5250520 | 379050 |
| 19 | 5250520 | 379025 |
| 20 | 5250520 | 379000 |
| 21 | 5250520 | 378975 |
| 22 | 5250520 | 379375 |
| 23 | 5250520 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |
| | 368.9 | 372.7 | 372.5 | 1.45 | 1.50 | 1.40 |
| | 369.8 | 374.1 | 373.4 | 1.42 | 1.70 | 1.70 |
| | 371.0 | 375.1 | 374.2 | 1.25 | 1.60 | 1.50 |
| | 371.8 | 375.4 | 374.4 | 1.02 | 1.40 | 1.40 |
| | 372.5 | 375.0 | 374.9 | .96 | 1.00 | 1.00 |
| | 373.6 | 375.9 | 375.7 | .85 | .90 | .90 |
| | 374.2 | 376.3 | 376.0 | .69 | .80 | .80 |
| | 375.5 | 377.5 | 377.1 | .62 | .80 | .80 |
| | 376.4 | 378.2 | 377.9 | .58 | .70 | .70 |
| | 377.2 | 379.0 | 378.6 | .54 | .70 | .70 |
| | 378.2 | 379.9 | 379.5 | .53 | .70 | .70 |
| | 379.0 | 380.7 | 380.3 | .52 | .70 | .70 |
| | 379.5 | 381.2 | 380.8 | .51 | .70 | .70 |
| | 379.9 | 381.7 | 381.2 | .50 | .70 | .70 |
| | 380.2 | 382.2 | 381.5 | .51 | .80 | .70 |
| | 380.4 | 382.4 | 381.7 | .52 | .80 | .70 |
| | 381.2 | | 382.6 | .55 | 0.00 | 0.00 |
| | 381.7 | | 383.0 | .52 | 0.00 | 0.00 |
| | 382.8 | | 384.1 | .51 | 0.00 | 0.00 |
| | 383.8 | | 384.9 | .45 | 0.00 | 0.00 |
| | 371.6 | 375.1 | 374.2 | 1.02 | 1.40 | 1.40 |
| | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 371.7 | | |
| 1 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 | 372.5 | 156.2 | -.0 |
| 2 | 42 | 53 | 17.7355 | 145 | 31 | 25.3220 | 373.4 | 157.0 | -.0 |
| 3 | 42 | 53 | 17.7213 | 145 | 31 | 24.2202 | 374.2 | 157.8 | -.0 |
| 4 | 42 | 53 | 17.7071 | 145 | 31 | 23.1184 | 374.4 | 158.0 | -.0 |
| 5 | 42 | 53 | 17.6929 | 145 | 31 | 22.0166 | 374.9 | 158.5 | .0 |
| 6 | 42 | 53 | 17.6787 | 145 | 31 | 20.9147 | 375.7 | 159.4 | -.0 |
| 7 | 42 | 53 | 17.6644 | 145 | 31 | 19.8129 | 376.0 | 159.6 | .0 |
| 8 | 42 | 53 | 17.6502 | 145 | 31 | 18.7111 | 377.1 | 160.7 | .0 |
| 9 | 42 | 53 | 17.6360 | 145 | 31 | 17.6093 | 377.9 | 161.5 | .0 |
| 10 | 42 | 53 | 17.6218 | 145 | 31 | 16.5075 | 378.6 | 162.1 | .0 |
| 11 | 42 | 53 | 17.6075 | 145 | 31 | 15.4057 | 379.5 | 163.1 | .0 |
| 12 | 42 | 53 | 17.5933 | 145 | 31 | 14.3039 | 380.3 | 163.8 | .0 |
| 13 | 42 | 53 | 17.5790 | 145 | 31 | 13.2020 | 380.8 | 164.3 | .0 |
| 14 | 42 | 53 | 17.5648 | 145 | 31 | 12.1002 | 381.2 | 164.7 | .0 |
| 15 | 42 | 53 | 17.5505 | 145 | 31 | 10.9984 | 381.5 | 165.1 | .0 |
| 16 | 42 | 53 | 17.5363 | 145 | 31 | 9.8966 | 381.7 | 165.2 | .1 |
| 17 | 42 | 53 | 17.5220 | 145 | 31 | 8.7948 | 382.6 | 166.2 | -.1 |
| 18 | 42 | 53 | 17.5078 | 145 | 31 | 7.6930 | 383.0 | 166.6 | .1 |
| 19 | 42 | 53 | 17.4935 | 145 | 31 | 6.5912 | 384.1 | 167.6 | .1 |
| 20 | 42 | 53 | 17.4793 | 145 | 31 | 5.4894 | 384.9 | 168.5 | .0 |
| 21 | 42 | 53 | 17.4650 | 145 | 31 | 4.3875 | | | |
| 22 | 42 | 53 | 17.6929 | 145 | 31 | 22.0166 | 374.2 | | |
| 23 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 | 371.7 | | |

034

044035

* GEOPEKO GRAVITY SURVEY *
******************************

FILE : TG0021
SURVEY NAME :
VOYAGER 19 12200N 13/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000029
GRID NAME : VOYAGER 19
LOCAL 12200N 10000E
AMG 5250520N 379475E
OBS. GRAVITY: 9804418.3
BASE HEIGHT : 167.1

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |
| 2 | G(V19)000322 | 12200 | 10025 | 168.46 | 9804415.4 |
| 3 | G(V19)000323 | 12200 | 10050 | 168.57 | 9804414.6 |
| 4 | G(V19)000324 | 12200 | 10075 | 169.98 | 9804410.8 |
| 5 | G(V19)000325 | 12200 | 10100 | 171.53 | 9804406.6 |
| 6 | G(V19)000326 | 12200 | 10125 | 173.14 | 9804402.0 |
| 7 | G(V19)000327 | 12200 | 10150 | 174.03 | 9804399.0 |
| 8 | G(V19)000328 | 12200 | 10175 | 175.06 | 9804394.7 |
| 9 | G(V19)000329 | 12200 | 10200 | 175.62 | 9804392.0 |
| 10 | G(V19)000330 | 12200 | 10225 | 176.74 | 9804388.9 |
| 11 | G(V19)000331 | 12200 | 10250 | 177.24 | 9804386.5 |
| 12 | G(V19)000332 | 12200 | 10275 | 175.94 | 9804388.9 |
| 13 | G(V19)000333 | 12200 | 10300 | 174.13 | 9804392.0 |
| 14 | G(V19)000334 | 12200 | 10325 | 171.14 | 9804397.1 |
| 15 | G(V19)000335 | 12200 | 10350 | 169.43 | 9804400.9 |
| 16 | G(V19)000336 | 12200 | 10375 | 167.10 | 9804404.4 |
| 17 | G(V19)000337 | 12200 | 10400 | 164.43 | 9804409.5 |
| 18 | G(V19)000338 | 12200 | 10425 | 162.14 | 9804414.1 |
| 19 | G(V19)000339 | 12200 | 10450 | 159.77 | 9804418.0 |
| 20 | G(V19)000340 | 12200 | 10475 | 158.51 | 9804419.0 |
| 21 | G(V19)000341 | 12200 | 10500 | 156.08 | 9804419.1 |
| 22 | G(V19)000342 | 12200 | 10525 | 143.74 | 9804444.0 |
| 23 | G(V19)000343 | 12200 | 10550 | 137.18 | 9804456.0 |
| 24 | G(V19)000327 | 12200 | 10150 | 174.03 | 9804398.1 |
| 25 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |

| | AMG N | E |
|---|---|---|
| 1 | 5250520 | 379475 |
| 2 | 5250520 | 379500 |
| 3 | 5250520 | 379525 |
| 4 | 5250520 | 379550 |
| 5 | 5250520 | 379575 |
| 6 | 5250520 | 379600 |
| 7 | 5250520 | 379625 |
| 8 | 5250520 | 379650 |
| 9 | 5250520 | 379675 |
| 10 | 5250520 | 379700 |
| 11 | 5250520 | 379725 |
| 12 | 5250520 | 379750 |
| 13 | 5250520 | 379775 |
| 14 | 5250520 | 379800 |
| 15 | 5250520 | 379825 |
| 16 | 5250520 | 379850 |
| 17 | 5250520 | 379875 |
| 18 | 5250520 | 379900 |
| 19 | 5250520 | 379925 |
| 20 | 5250520 | 379950 |
| 21 | 5250520 | 379975 |
| 22 | 5250520 | 380000 |
| 23 | 5250520 | 380025 |
| 24 | 5250520 | 379625 |
| 25 | 5250520 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |
| 2 | 367.9 | 372.2 | 371.7 | 1.52 | 1.70 | 1.60 |
| 3 | 367.2 | 371.3 | 371.3 | 1.60 | 1.60 | 1.60 |
| 4 | 366.3 | 370.8 | 370.6 | 1.70 | 1.80 | 1.80 |
| 5 | 365.3 | 370.3 | 370.0 | 1.86 | 2.00 | 2.00 |
| 6 | 363.9 | 369.4 | 368.9 | 2.00 | 2.20 | 2.20 |
| 7 | 362.7 | 368.5 | 368.5 | 2.30 | 2.30 | 2.30 |
| 8 | 360.5 | 366.8 | 366.7 | 2.45 | 2.50 | 2.40 |
| 9 | 358.9 | 365.5 | 365.3 | 2.53 | 2.60 | 2.50 |
| 10 | 358.1 | 365.2 | 363.9 | 2.30 | 2.80 | 2.70 |
| 11 | 356.7 | 364.0 | 362.6 | 2.35 | 2.90 | 2.80 |
| 12 | 356.5 | 363.5 | 361.9 | 2.15 | 2.80 | 2.70 |
| 13 | 355.9 | 362.7 | 361.2 | 2.09 | 2.70 | 2.60 |
| 14 | 354.9 | 361.2 | 359.9 | 2.00 | 2.50 | 2.40 |
| 15 | 355.2 | 361.3 | 360.3 | 2.00 | 2.40 | 2.30 |
| 16 | 354.0 | 359.6 | 358.6 | 1.80 | 2.20 | 2.20 |
| 17 | 353.7 | 358.7 | 357.9 | 1.68 | 2.00 | 2.00 |
| 18 | 353.6 | 358.4 | 357.3 | 1.47 | 1.90 | 1.80 |
| 19 | 352.7 | 357.0 | 356.0 | 1.31 | 1.70 | 1.70 |
| 20 | 351.2 | 355.5 | 354.2 | 1.20 | 1.70 | 1.70 |
| 21 | 346.4 | 350.9 | 351.1 | 1.89 | 1.80 | 1.80 |
| 22 | 346.2 | 352.7 | 350.4 | 1.68 | 2.60 | 2.50 |
| 23 | 344.8 | 350.6 | 348.5 | 1.45 | 2.30 | 2.20 |
| 24 | 361.9 | 367.7 | 367.7 | 2.30 | 2.30 | 2.30 |
| 25 | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 |
| 2 | 42 | 53 | 17.7639 | 145 | 31 | 27.5256 |
| 3 | 42 | 53 | 17.7782 | 145 | 31 | 28.6275 |
| 4 | 42 | 53 | 17.7924 | 145 | 31 | 29.7293 |
| 5 | 42 | 53 | 17.8066 | 145 | 31 | 30.8311 |
| 6 | 42 | 53 | 17.8207 | 145 | 31 | 31.9329 |
| 7 | 42 | 53 | 17.8349 | 145 | 31 | 33.0347 |
| 8 | 42 | 53 | 17.8491 | 145 | 31 | 34.1365 |
| 9 | 42 | 53 | 17.8633 | 145 | 31 | 35.2384 |
| 10 | 42 | 53 | 17.8775 | 145 | 31 | 36.3402 |
| 11 | 42 | 53 | 17.8917 | 145 | 31 | 37.4420 |
| 12 | 42 | 53 | 17.9058 | 145 | 31 | 38.5438 |
| 13 | 42 | 53 | 17.9200 | 145 | 31 | 39.6456 |
| 14 | 42 | 53 | 17.9342 | 145 | 31 | 40.7474 |
| 15 | 42 | 53 | 17.9484 | 145 | 31 | 41.8493 |
| 16 | 42 | 53 | 17.9625 | 145 | 31 | 42.9511 |
| 17 | 42 | 53 | 17.9767 | 145 | 31 | 44.0529 |
| 18 | 42 | 53 | 17.9908 | 145 | 31 | 45.1547 |
| 19 | 42 | 53 | 18.0050 | 145 | 31 | 46.2565 |
| 20 | 42 | 53 | 18.0192 | 145 | 31 | 47.3584 |
| 21 | 42 | 53 | 18.0333 | 145 | 31 | 48.4602 |
| 22 | 42 | 53 | 18.0475 | 145 | 31 | 49.5620 |
| 23 | 42 | 53 | 18.0616 | 145 | 31 | 50.6638 |
| 24 | 42 | 53 | 17.8349 | 145 | 31 | 33.0347 |
| 25 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 371.7 | | |
| | 371.7 | 155.2 | .1 |
| | 371.3 | 154.9 | -.0 |
| | 370.6 | 154.2 | -.0 |
| | 370.0 | 153.6 | -.0 |
| | 368.9 | 152.6 | -.0 |
| | 368.5 | 152.2 | -.1 |
| | 366.7 | 151.5 | -1.2 |
| | 365.3 | 149.0 | -.1 |
| | 363.9 | 147.6 | -.1 |
| | 362.6 | 146.3 | -.1 |
| | 361.9 | 145.6 | -.1 |
| | 361.2 | 144.8 | -.1 |
| | 359.9 | 143.7 | -.2 |
| | 360.3 | 144.0 | -.1 |
| | 358.6 | 142.2 | -.1 |
| | 357.9 | 141.6 | -.1 |
| | 357.3 | 141.0 | -.1 |
| | 356.0 | 139.7 | -.1 |
| | 354.2 | 137.9 | -.1 |
| | 351.1 | 134.8 | -.1 |
| | 350.4 | 134.1 | -.1 |
| | 348.5 | 132.2 | -.1 |
| | 367.7 | | |
| | 371.7 | | |

044036

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0022
SURVEY NAME   :
VOYAGER 19 12200N 14/11/81

GRAV. METER   : LRG326
SCALE FACTOR: 10.6130
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000029
GRID NAME     :          VOYAGER 19
LOCAL      12200N      10000E
AMG      5250520N     379475E
OBS. GRAVITY:   9804418.3
BASE HEIGHT   :   167.1
```

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |
| 2 | G(V19)000343 | 12200 | 10550 | 137.18 | 9804456.1 |
| 3 | G(V19)000344 | 12200 | 10575 | 135.25 | 9804461.2 |
| 4 | G(V19)000345 | 12200 | 10600 | 133.65 | 9804464.5 |
| 5 | G(V19)000346 | 12200 | 10625 | 132.49 | 9804467.0 |
| 6 | G(V19)000347 | 12200 | 10650 | 131.37 | 9804468.9 |
| 7 | G(V19)000348 | 12200 | 10675 | 131.80 | 9804465.0 |
| 8 | G(V19)000349 | 12200 | 10700 | 130.91 | 9804465.6 |
| 9 | G(V19)000350 | 12200 | 10725 | 129.29 | 9804467.9 |
| 10 | G(V19)000351 | 12200 | 10750 | 130.37 | 9804464.3 |
| 11 | G(V19)000352 | 12200 | 10775 | 128.58 | 9804468.3 |
| 12 | G(V19)000353 | 12200 | 10800 | 126.58 | 9804471.5 |
| 13 | G(V19)000354 | 12200 | 10825 | 124.01 | 9804477.2 |
| 14 | G(V19)000355 | 12200 | 10850 | 122.68 | 9804479.9 |
| 15 | G(V19)000356 | 12200 | 10875 | 119.76 | 9804463.5 |
| 16 | G(V19)000357 | 12200 | 10900 | 116.56 | 9804491.2 |
| 17 | G(V19)000358 | 12200 | 10925 | 115.16 | 9804492.9 |
| 18 | G(V19)000359 | 12200 | 10950 | 116.15 | 9804488.8 |
| 19 | G(V19)000360 | 12200 | 10975 | 113.34 | 9804494.5 |
| 20 | G(V19)000361 | 12200 | 11000 | 114.81 | 9804489.7 |
| 21 | G(V19)000362 | 12200 | 11025 | 116.03 | 9804480.6 |
| 22 | G(V19)000363 | 12200 | 11050 | 114.07 | 9804488.8 |
| 23 | G(V19)000364 | 12200 | 11075 | 110.58 | 9804495.9 |
| 24 | G(V19)000365 | 12200 | 11100 | 109.98 | 9804495.4 |
| 25 | G(V19)000366 | 12200 | 11125 | 108.86 | 9804495.8 |
| 26 | G(V19)000367 | 12200 | 11150 | 111.98 | 9804485.3 |
| 27 | G(V19)000368 | 12200 | 11200 | 121.68 | 9804464.5 |
| 28 | G(V19)000369 | 12200 | 11225 | 124.35 | 9804457.2 |
| 29 | G(V19)000370 | 12200 | 11250 | 123.50 | 9804456.4 |
| 30 | G(V19)000371 | 12200 | 11300 | 124.36 | 9804454.3 |
| 31 | G(V19)000372 | 12200 | 11325 | 124.93 | 9804452.2 |
| 32 | G(V19)000373 | 12200 | 11350 | 123.46 | 9804453.4 |
| 33 | G(V19)000029 | 12200 | 10000 | 167.10 | 9804418.3 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250520 | 379475 | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |
| 2 | 5250520 | 380025 | 344.9 | 350.7 | 348.6 | 1.45 | 2.30 | 2.20 |
| 3 | 5250520 | 380050 | 346.1 | 349.9 | 348.9 | 1.12 | 1.50 | 1.50 |
| 4 | 5250520 | 380075 | 346.1 | 349.4 | 348.3 | .86 | 1.30 | 1.30 |
| 5 | 5250520 | 380100 | 346.3 | | 347.9 | .61 | 0.00 | 0.00 |
| 6 | 5250520 | 380125 | 346.0 | | 347.2 | .49 | 0.00 | 0.00 |
| 7 | 5250520 | 380150 | 342.9 | | 344.1 | .48 | 0.00 | 0.00 |
| 8 | 5250520 | 380175 | 341.7 | | 342.9 | .47 | 0.00 | 0.00 |
| 9 | 5250520 | 380200 | 340.7 | | 341.7 | .42 | 0.00 | 0.00 |
| 10 | 5250520 | 380225 | 339.3 | | 340.2 | .36 | 0.00 | 0.00 |
| 11 | 5250520 | 380250 | 339.7 | | 340.5 | .33 | 0.00 | 0.00 |
| 12 | 5250520 | 380275 | 338.8 | | 339.5 | .30 | 0.00 | 0.00 |
| 13 | 5250520 | 380300 | 339.3 | | 340.0 | .28 | 0.00 | 0.00 |
| 14 | 5250520 | 380325 | 339.2 | | 339.9 | .27 | 0.00 | 0.00 |
| 15 | 5250520 | 380350 | 317.0 | | 317.6 | .27 | 0.00 | 0.00 |
| 16 | 5250520 | 380375 | 338.2 | | 338.8 | .25 | 0.00 | 0.00 |
| 17 | 5250520 | 380400 | 337.0 | | 337.6 | .23 | 0.00 | 0.00 |
| 18 | 5250520 | 380425 | 334.9 | | 335.4 | .22 | 0.00 | 0.00 |
| 19 | 5250520 | 380450 | 334.9 | | 335.4 | .21 | 0.00 | 0.00 |
| 20 | 5250520 | 380475 | 333.1 | | 333.6 | .20 | 0.00 | 0.00 |
| 21 | 5250520 | 380500 | 326.4 | | 327.0 | .21 | 0.00 | 0.00 |
| 22 | 5250520 | 380525 | 330.6 | | 331.2 | .22 | 0.00 | 0.00 |
| 23 | 5250520 | 380550 | 330.7 | | 331.2 | .23 | 0.00 | 0.00 |
| 24 | 5250520 | 380575 | 328.9 | | 329.5 | .25 | 0.00 | 0.00 |
| 25 | 5250520 | 380600 | 327.1 | | 327.7 | .27 | 0.00 | 0.00 |
| 26 | 5250520 | 380625 | 322.9 | | 323.6 | .30 | 0.00 | 0.00 |
| 27 | 5250520 | 380675 | 321.8 | | 322.6 | .35 | 0.00 | 0.00 |
| 28 | 5250520 | 380700 | 320.0 | | 320.0 | 0.00 | 0.00 | 0.00 |
| 29 | 5250520 | 380725 | 317.4 | | 317.4 | 0.00 | 0.00 | 0.00 |
| 30 | 5250520 | 380775 | 317.0 | | 317.0 | 0.00 | 0.00 | 0.00 |
| 31 | 5250520 | 380800 | 316.0 | | 316.0 | 0.00 | 0.00 | 0.00 |
| 32 | 5250520 | 380825 | 314.3 | | 314.3 | 0.00 | 0.00 | 0.00 |
| 33 | 5250520 | 379475 | 368.0 | 372.0 | 371.7 | 1.47 | 1.60 | 1.60 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | A-216.4 |
| 1 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 | 371.7 | | |
| 2 | 42 | 53 | 18.0616 | 145 | 31 | 50.6638 | 348.6 | 132.4 | -.2 |
| 3 | 42 | 53 | 18.0757 | 145 | 31 | 51.7656 | 348.9 | 131.5 | 1.0 |
| 4 | 42 | 53 | 18.0899 | 145 | 31 | 52.8675 | 348.3 | 131.1 | .8 |
| 5 | 42 | 53 | 18.1040 | 145 | 31 | 53.9693 | 347.9 | 131.8 | -.3 |
| 6 | 42 | 53 | 18.1181 | 145 | 31 | 55.0711 | 347.2 | 131.1 | -.3 |
| 7 | 42 | 53 | 18.1323 | 145 | 31 | 56.1729 | 344.1 | 127.9 | -.2 |
| 8 | 42 | 53 | 18.1464 | 145 | 31 | 57.2747 | 342.9 | 126.7 | -.2 |
| 9 | 42 | 53 | 18.1605 | 145 | 31 | 58.3766 | 341.7 | 125.4 | -.1 |
| 10 | 42 | 53 | 18.1746 | 145 | 31 | 59.4784 | 340.2 | 125.9 | -2.1 |
| 11 | 42 | 53 | 18.1888 | 145 | 32 | 0.5802 | 340.5 | 124.1 | .0 |
| 12 | 42 | 53 | 18.2029 | 145 | 32 | 1.6820 | 339.5 | 123.1 | .0 |
| 13 | 42 | 53 | 18.2170 | 145 | 32 | 2.7839 | 340.0 | 123.7 | -.1 |
| 14 | 42 | 53 | 18.2311 | 145 | 32 | 3.8857 | 339.9 | 123.5 | .0 |
| 15 | 42 | 53 | 18.2452 | 145 | 32 | 4.9875 | 317.6 | 122.5 | -21.2 |
| 16 | 42 | 53 | 18.2593 | 145 | 32 | 6.0893 | 338.8 | 122.4 | .0 |
| 17 | 42 | 53 | 18.2734 | 145 | 32 | 7.1912 | 337.6 | 121.3 | -.1 |
| 18 | 42 | 53 | 18.2875 | 145 | 32 | 8.2930 | 335.4 | 119.1 | -.1 |
| 19 | 42 | 53 | 18.3016 | 145 | 32 | 9.3948 | 335.4 | 119.2 | -.2 |
| 20 | 42 | 53 | 18.3157 | 145 | 32 | 10.4966 | 333.6 | 117.4 | -.2 |
| 21 | 42 | 53 | 18.3298 | 145 | 32 | 11.5985 | 327.0 | 110.7 | -.1 |
| 22 | 42 | 53 | 18.3439 | 145 | 32 | 12.7003 | 331.2 | 112.8 | 2.0 |
| 23 | 42 | 53 | 18.3580 | 145 | 32 | 13.8021 | 331.2 | 114.8 | .1 |
| 24 | 42 | 53 | 18.3720 | 145 | 32 | 14.9039 | 329.5 | 113.2 | -.0 |
| 25 | 42 | 53 | 18.3861 | 145 | 32 | 16.0058 | 327.7 | 111.5 | -.1 |
| 26 | 42 | 53 | 18.4002 | 145 | 32 | 17.1076 | 323.6 | 107.4 | -.1 |
| 27 | 42 | 53 | 18.4283 | 145 | 32 | 19.3112 | 322.6 | 106.4 | -.2 |
| 28 | 42 | 53 | 18.4424 | 145 | 32 | 20.4131 | 320.0 | 103.7 | -.2 |
| 29 | 42 | 53 | 18.4564 | 145 | 32 | 21.5149 | 317.4 | 101.3 | -.3 |
| 30 | 42 | 53 | 18.4846 | 145 | 32 | 23.7185 | 317.0 | 100.9 | -.3 |
| 31 | 42 | 53 | 18.4986 | 145 | 32 | 24.8204 | 316.0 | 99.8 | -.2 |
| 32 | 42 | 53 | 18.5127 | 145 | 32 | 25.9222 | 314.3 | 98.1 | -.2 |
| 33 | 42 | 53 | 17.7497 | 145 | 31 | 26.4238 | 371.7 | | |

03'

044038

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0023
SURVEY NAME :
VOYAGER 19 12300N 14/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000027
GRID NAME : VOYAGER 19
LOCAL 12300N 10000E
AMG 5250620N 379475E
OBS. GRAVITY: 9804402.7
BASE HEIGHT : 174.17

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000027 | 12300 | 10000 | 174.17 | 9804402.7 |
| 2 | G(V19)000374 | 12300 | 9975 | 171.06 | 9804409.9 |
| 3 | G(V19)000375 | 12300 | 9950 | 165.05 | 9804423.7 |
| 4 | G(V19)000376 | 12300 | 9925 | 162.99 | 9804428.7 |
| 5 | G(V19)000377 | 12300 | 9900 | 160.54 | 9804435.0 |
| 6 | G(V19)000378 | 12300 | 9875 | 157.37 | 9804442.4 |
| 7 | G(V19)000379 | 12300 | 9850 | 154.72 | 9804447.0 |
| 8 | G(V19)000380 | 12300 | 9825 | 152.60 | 9804451.8 |
| 9 | G(V19)000381 | 12300 | 9800 | 151.16 | 9804456.1 |
| 10 | G(V19)000382 | 12300 | 9775 | 149.17 | 9804461.4 |
| 11 | G(V19)000383 | 12300 | 9750 | 148.88 | 9804463.5 |
| 12 | G(V19)000384 | 12300 | 9725 | 146.22 | 9804470.0 |
| 13 | G(V19)000385 | 12300 | 9700 | 147.72 | 9804466.6 |
| 14 | G(V19)000386 | 12300 | 9675 | 152.14 | 9804457.0 |
| 15 | G(V19)000387 | 12300 | 9650 | 152.51 | 9804456.7 |
| 16 | G(V19)000388 | 12300 | 9625 | 151.11 | 9804460.9 |
| 17 | G(V19)000389 | 12300 | 9600 | 148.53 | 9804466.9 |
| 18 | G(V19)000390 | 12300 | 9575 | 142.26 | 9804480.6 |
| 19 | G(V19)000391 | 12300 | 9550 | 139.28 | 9804487.0 |
| 20 | G(V19)000389 | 12300 | 9600 | 148.53 | 9804467.2 |
| 21 | G(V19)000027 | 12300 | 10000 | 174.17 | 9804402.7 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250620 | 379475 | 367.5 | 372.8 | 373.1 | 2.20 | 2.10 | 2.00 |
| 2 | 5250620 | 379450 | 368.4 | 373.5 | 373.0 | 1.80 | 2.00 | 2.00 |
| 3 | 5250620 | 379425 | 370.0 | 373.8 | 373.9 | 1.55 | 1.50 | 1.50 |
| 4 | 5250620 | 379400 | 370.9 | 374.4 | 374.3 | 1.37 | 1.40 | 1.40 |
| 5 | 5250620 | 379375 | 372.1 | 375.7 | 375.4 | 1.28 | 1.40 | 1.40 |
| 6 | 5250620 | 379350 | 373.1 | 376.2 | 375.8 | 1.07 | 1.20 | 1.20 |
| 7 | 5250620 | 379325 | 372.3 | 375.1 | 374.6 | .92 | 1.10 | 1.10 |
| 8 | 5250620 | 379300 | 372.9 | 375.4 | 375.1 | .86 | 1.00 | 1.00 |
| 9 | 5250620 | 379275 | 374.2 | 376.5 | 376.3 | .81 | .90 | .90 |
| 10 | 5250620 | 379250 | 375.5 | 377.5 | 377.3 | .72 | .80 | .80 |
| 11 | 5250620 | 379225 | 377.0 | 379.1 | 378.6 | .63 | .80 | .80 |
| 12 | 5250620 | 379200 | 378.1 | 380.1 | 379.8 | .65 | .80 | .80 |
| 13 | 5250620 | 379175 | 377.8 | 380.0 | 379.4 | .66 | .90 | .80 |
| 14 | 5250620 | 379150 | 377.2 | 379.5 | 378.8 | .63 | .90 | .90 |
| 15 | 5250620 | 379125 | 377.6 | 380.2 | 379.1 | .59 | 1.00 | 1.00 |
| 16 | 5250620 | 379100 | 378.9 | 381.7 | 380.5 | .63 | 1.10 | 1.10 |
| 17 | 5250620 | 379075 | 379.8 | 383.0 | 381.6 | .74 | 1.30 | 1.20 |
| 18 | 5250620 | 379050 | 380.7 | | 382.3 | .64 | 0.00 | 0.00 |
| 19 | 5250620 | 379025 | 381.0 | | 382.5 | .58 | 0.00 | 0.00 |
| 20 | 5250620 | 379075 | 380.1 | 383.3 | 381.9 | .74 | 1.30 | 1.20 |
| 21 | 5250620 | 379475 | 367.5 | 372.8 | 373.1 | 2.20 | 2.10 | 2.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 14.5089 | 145 | 31 | 26.5011 | 373.1 | | |
| 2 | 42 | 53 | 14.4947 | 145 | 31 | 25.3993 | 373.0 | 156.6 | -.0 |
| 3 | 42 | 53 | 14.4805 | 145 | 31 | 24.2975 | 373.9 | 157.6 | -.0 |
| 4 | 42 | 53 | 14.4663 | 145 | 31 | 23.1957 | 374.3 | 157.9 | -.0 |
| 5 | 42 | 53 | 14.4521 | 145 | 31 | 22.0939 | 375.4 | 159.0 | -.0 |
| 6 | 42 | 53 | 14.4379 | 145 | 31 | 20.9921 | 375.8 | 159.4 | .0 |
| 7 | 42 | 53 | 14.4236 | 145 | 31 | 19.8903 | 374.6 | 158.2 | .0 |
| 8 | 42 | 53 | 14.4094 | 145 | 31 | 18.7885 | 375.1 | 158.7 | .0 |
| 9 | 42 | 53 | 14.3952 | 145 | 31 | 17.6867 | 376.3 | 159.9 | .0 |
| 10 | 42 | 53 | 14.3810 | 145 | 31 | 16.5849 | 377.3 | 160.9 | .0 |
| 11 | 42 | 53 | 14.3667 | 145 | 31 | 15.4831 | 378.6 | 162.2 | .0 |
| 12 | 42 | 53 | 14.3525 | 145 | 31 | 14.3813 | 379.8 | 163.3 | .0 |
| 13 | 42 | 53 | 14.3382 | 145 | 31 | 13.2795 | 379.4 | 163.0 | .0 |
| 14 | 42 | 53 | 14.3240 | 145 | 31 | 12.1777 | 378.8 | 162.3 | .0 |
| 15 | 42 | 53 | 14.3097 | 145 | 31 | 11.0759 | 379.1 | 162.7 | .0 |
| 16 | 42 | 53 | 14.2955 | 145 | 31 | 9.9741 | 380.5 | 164.1 | .0 |
| 17 | 42 | 53 | 14.2812 | 145 | 31 | 8.8723 | 381.6 | 165.2 | .1 |
| 18 | 42 | 53 | 14.2670 | 145 | 31 | 7.7705 | 382.3 | 165.9 | .1 |
| 19 | 42 | 53 | 14.2527 | 145 | 31 | 6.6687 | 382.5 | 166.0 | .1 |
| 20 | 42 | 53 | 14.2812 | 145 | 31 | 8.8723 | 381.9 | | |
| 21 | 42 | 53 | 14.5089 | 145 | 31 | 26.5011 | 373.1 | | |

038

044039

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0024
SURVEY NAME :
VOYAGER 19 12300N 14/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000027
GRID NAME : VOYAGER 19
LOCAL 12300N 10000E
AMG 5250620N 379475E
OBS. GRAVITY: 9804402.7
BASE HEIGHT : 174.17

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000027 | 12300 | 10000 | 174.17 | 9804402.7 |
| 2 | G(V19)000392 | 12300 | 10025 | 178.87 | 9804391.8 |
| 3 | G(V19)000393 | 12300 | 10050 | 183.66 | 9804380.3 |
| 4 | G(V19)000394 | 12300 | 10075 | 187.17 | 9804372.5 |
| 5 | G(V19)000395 | 12300 | 10100 | 191.25 | 9804361.9 |
| 6 | G(V19)000396 | 12300 | 10125 | 195.21 | 9804351.3 |
| 7 | G(V19)000397 | 12300 | 10150 | 197.98 | 9804348.7 |
| 8 | G(V19)000398 | 12300 | 10175 | 201.21 | 9804335.9 |
| 9 | G(V19)000399 | 12300 | 10200 | 203.73 | 9804328.8 |
| 10 | G(V19)000400 | 12300 | 10225 | 205.73 | 9804323.0 |
| 11 | G(V19)000401 | 12300 | 10250 | 207.06 | 9804318.4 |
| 12 | G(V19)000402 | 12300 | 10275 | 206.62 | 9804318.4 |
| 13 | G(V19)000403 | 12300 | 10300 | 204.23 | 9804323.3 |
| 14 | G(V19)000404 | 12300 | 10325 | 200.87 | 9804329.7 |
| 15 | G(V19)000405 | 12300 | 10350 | 195.78 | 9804340.1 |
| 16 | G(V19)000406 | 12300 | 10375 | 190.30 | 9804350.7 |
| 17 | G(V19)000407 | 12300 | 10400 | 182.38 | 9804367.7 |
| 18 | G(V19)000408 | 12300 | 10425 | 175.48 | 9804383.1 |
| 19 | G(V19)000409 | 12300 | 10450 | 170.46 | 9804392.2 |
| 20 | G(V19)000410 | 12300 | 10475 | 165.04 | 9804401.6 |
| 21 | G(V19)000411 | 12300 | 10500 | 155.32 | 9804418.8 |
| 22 | G(V19)000412 | 12300 | 10525 | 147.51 | 9804432.5 |
| 23 | G(V19)000413 | 12300 | 10550 | 142.59 | 9804442.9 |
| 24 | G(V19)000414 | 12300 | 10575 | 139.64 | 9804450.2 |
| 25 | G(V19)000415 | 12300 | 10600 | 138.78 | 9804452.4 |
| 26 | G(V19)000401 | 12300 | 10250 | 207.06 | 9804318.4 |
| 27 | G(V19)000027 | 12300 | 10000 | 174.17 | 9804402.7 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250620 | 379475 | 367.5 | 372.8 | 373.1 | 2.20 | 2.10 | 2.00 |
| 2 | 5250620 | 379500 | 366.1 | 372.2 | 372.4 | 2.50 | 2.40 | 2.40 |
| 3 | 5250620 | 379525 | 364.4 | 371.7 | 371.5 | 2.83 | 2.90 | 2.80 |
| 4 | 5250620 | 379550 | 363.7 | 371.7 | 371.0 | 2.90 | 3.20 | 3.10 |
| 5 | 5250620 | 379575 | 361.4 | 370.5 | 369.1 | 3.02 | 3.60 | 3.50 |
| 6 | 5250620 | 379600 | 358.9 | 369.2 | 366.7 | 3.12 | 4.10 | 4.00 |
| 7 | 5250620 | 379625 | 361.8 | 372.4 | 369.9 | 3.20 | 4.20 | 4.10 |
| 8 | 5250620 | 379650 | 355.7 | 367.5 | 364.1 | 3.35 | 4.70 | 4.60 |
| 9 | 5250620 | 379675 | 353.7 | 366.3 | 362.7 | 3.59 | 5.00 | 4.90 |
| 10 | 5250620 | 379700 | 351.9 | 365.2 | 361.6 | 3.85 | 5.30 | 5.20 |
| 11 | 5250620 | 379725 | 350.0 | 364.1 | 361.3 | 4.50 | 5.60 | 5.50 |
| 12 | 5250620 | 379750 | 349.1 | 363.2 | 361.0 | 4.70 | 5.60 | 5.50 |
| 13 | 5250620 | 379775 | 349.1 | 362.5 | 361.1 | 4.73 | 5.30 | 5.20 |
| 14 | 5250620 | 379800 | 348.7 | 361.5 | 359.3 | 4.20 | 5.10 | 5.00 |
| 15 | 5250620 | 379825 | 348.7 | 360.6 | 358.9 | 4.05 | 4.70 | 4.60 |
| 16 | 5250620 | 379850 | 348.2 | 359.1 | 357.8 | 3.80 | 4.30 | 4.20 |
| 17 | 5250620 | 379875 | 349.1 | 358.7 | 358.3 | 3.63 | 3.80 | 3.70 |
| 18 | 5250620 | 379900 | 350.5 | 359.1 | 357.9 | 2.95 | 3.40 | 3.30 |
| 19 | 5250620 | 379925 | 349.4 | 357.0 | 356.0 | 2.60 | 3.00 | 2.90 |
| 20 | 5250620 | 379950 | 347.9 | 354.9 | 354.2 | 2.50 | 2.80 | 2.80 |
| 21 | 5250620 | 379975 | 345.3 | 352.9 | 351.4 | 2.39 | 3.00 | 2.90 |
| 22 | 5250620 | 380000 | 343.2 | 350.2 | 348.2 | 1.99 | 2.80 | 2.70 |
| 23 | 5250620 | 380025 | 343.6 | 349.4 | 348.2 | 1.82 | 2.30 | 2.20 |
| 24 | 5250620 | 380050 | 344.9 | 349.4 | 348.3 | 1.36 | 1.80 | 1.80 |
| 25 | 5250620 | 380075 | 345.3 | 349.1 | 348.2 | 1.15 | 1.50 | 1.50 |
| 26 | 5250620 | 379725 | 350.0 | 364.1 | 361.3 | 4.50 | 5.60 | 5.50 |
| 27 | 5250620 | 379475 | 367.5 | 372.8 | 373.1 | 2.20 | 2.10 | 2.00 |

044040

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | A-216.4 |
| 1 | 42 | 53 | 14.5089 | 145 | 31 | 26.5011 | 373.1 | | |
| 2 | 42 | 53 | 14.5231 | 145 | 31 | 27.6029 | 372.4 | 156.1 | -.0 |
| 3 | 42 | 53 | 14.5373 | 145 | 31 | 28.7047 | 371.5 | 155.2 | -.0 |
| 4 | 42 | 53 | 14.5515 | 145 | 31 | 29.8065 | 371.0 | 154.6 | -.1 |
| 5 | 42 | 53 | 14.5657 | 145 | 31 | 30.9083 | 369.1 | 152.7 | -.1 |
| 6 | 42 | 53 | 14.5799 | 145 | 31 | 32.0101 | 366.7 | 150.4 | -.1 |
| 7 | 42 | 53 | 14.5941 | 145 | 31 | 33.1119 | 369.9 | 153.0 | .5 |
| 8 | 42 | 53 | 14.6083 | 145 | 31 | 34.2137 | 364.1 | 147.8 | -.1 |
| 9 | 42 | 53 | 14.6225 | 145 | 31 | 35.3155 | 362.7 | 146.4 | -.1 |
| 10 | 42 | 53 | 14.6367 | 145 | 31 | 36.4173 | 361.6 | 145.3 | -.1 |
| 11 | 42 | 53 | 14.6509 | 145 | 31 | 37.5191 | 361.3 | 145.0 | -.1 |
| 12 | 42 | 53 | 14.6650 | 145 | 31 | 38.6209 | 361.0 | 144.7 | -.1 |
| 13 | 42 | 53 | 14.6792 | 145 | 31 | 39.7227 | 361.1 | 144.8 | -.1 |
| 14 | 42 | 53 | 14.6934 | 145 | 31 | 40.8245 | 359.3 | 143.0 | -.1 |
| 15 | 42 | 53 | 14.7075 | 145 | 31 | 41.9263 | 358.9 | 142.6 | -.1 |
| 16 | 42 | 53 | 14.7217 | 145 | 31 | 43.0281 | 357.8 | 141.5 | -.1 |
| 17 | 42 | 53 | 14.7359 | 145 | 31 | 44.1299 | 358.3 | 142.0 | -.1 |
| 18 | 42 | 53 | 14.7500 | 145 | 31 | 45.2317 | 357.9 | 141.6 | -.1 |
| 19 | 42 | 53 | 14.7642 | 145 | 31 | 46.3335 | 356.0 | 139.6 | .0 |
| 20 | 42 | 53 | 14.7783 | 145 | 31 | 47.4353 | 354.2 | 137.7 | .0 |
| 21 | 42 | 53 | 14.7925 | 145 | 31 | 48.5371 | 351.4 | 135.0 | -.1 |
| 22 | 42 | 53 | 14.8066 | 145 | 31 | 49.6390 | 348.2 | 131.9 | -.1 |
| 23 | 42 | 53 | 14.8208 | 145 | 31 | 50.7408 | 348.2 | 131.8 | -.1 |
| 24 | 42 | 53 | 14.8349 | 145 | 31 | 51.8426 | 348.3 | 132.0 | -.1 |
| 25 | 42 | 53 | 14.8491 | 145 | 31 | 52.9444 | 348.2 | 131.7 | .1 |
| 26 | 42 | 53 | 14.6509 | 145 | 31 | 37.5191 | 361.3 | | |
| 27 | 42 | 53 | 14.5089 | 145 | 31 | 26.5011 | 373.1 | | |

040

044041

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0025
SURVEY NAME :
VOYAGER 19 12400N 14/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000025
GRID NAME : VOYAGER 19
LOCAL 12400N 10000E
AMG 5250720N 379475E
OBS. GRAVITY: 9804387.7
BASE HEIGHT : 180.28

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000025 | 12400 | 10000 | 180.28 | 9804387.7 |
| 2 | G(V19)000416 | 12400 | 9975 | 175.12 | 9804399.5 |
| 3 | G(V19)000417 | 12400 | 9950 | 171.18 | 9804409.7 |
| 4 | G(V19)000418 | 12400 | 9925 | 167.55 | 9804417.7 |
| 5 | G(V19)000419 | 12400 | 9900 | 163.52 | 9804427.9 |
| 6 | G(V19)000420 | 12400 | 9875 | 157.97 | 9804438.6 |
| 7 | G(V19)000421 | 12400 | 9850 | 159.57 | 9804434.6 |
| 8 | G(V19)000422 | 12400 | 9825 | 160.29 | 9804434.3 |
| 9 | G(V19)000423 | 12400 | 9800 | 159.34 | 9804437.4 |
| 10 | G(V19)000424 | 12400 | 9775 | 157.40 | 9804442.5 |
| 11 | G(V19)000425 | 12400 | 9750 | 155.09 | 9804448.1 |
| 12 | G(V19)000426 | 12400 | 9725 | 151.37 | 9804456.3 |
| 13 | G(V19)000427 | 12400 | 9700 | 147.67 | 9804462.7 |
| 14 | G(V19)000428 | 12400 | 9675 | 144.89 | 9804471.0 |
| 15 | G(V19)000429 | 12400 | 9650 | 147.61 | 9804465.7 |
| 16 | G(V19)000430 | 12400 | 9625 | 147.90 | 9804465.2 |
| 17 | G(V19)000431 | 12400 | 9600 | 145.01 | 9804472.7 |
| 18 | G(V19)000432 | 12400 | 9575 | 138.26 | 9804487.0 |
| 19 | G(V19)000433 | 12400 | 9550 | 132.37 | 9804500.2 |
| 20 | G(V19)000434 | 12400 | 9525 | 132.22 | 9804501.5 |
| 21 | G(V19)000435 | 12400 | 9500 | 129.88 | 9804504.9 |
| 22 | G(V19)000429 | 12400 | 9650 | 147.61 | 9804465.9 |
| 23 | G(V19)000025 | 12400 | 10000 | 180.28 | 9804387.7 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5250720 | 379475 |
| 2 | 5250720 | 379450 |
| 3 | 5250720 | 379425 |
| 4 | 5250720 | 379400 |
| 5 | 5250720 | 379375 |
| 6 | 5250720 | 379350 |
| 7 | 5250720 | 379325 |
| 8 | 5250720 | 379300 |
| 9 | 5250720 | 379275 |
| 10 | 5250720 | 379250 |
| 11 | 5250720 | 379225 |
| 12 | 5250720 | 379200 |
| 13 | 5250720 | 379175 |
| 14 | 5250720 | 379150 |
| 15 | 5250720 | 379125 |
| 16 | 5250720 | 379100 |
| 17 | 5250720 | 379075 |
| 18 | 5250720 | 379050 |
| 19 | 5250720 | 379025 |
| 20 | 5250720 | 379000 |
| 21 | 5250720 | 378975 |
| 22 | 5250720 | 379125 |
| 23 | 5250720 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| | 365.8 | 372.1 | 372.8 |
| | 367.1 | 372.4 | 372.9 |
| | 369.3 | 374.0 | 374.2 |
| | 370.0 | 374.5 | 373.9 |
| | 372.0 | 376.0 | 376.0 |
| | 371.4 | 374.4 | 374.9 |
| | 370.6 | 373.4 | 373.8 |
| | 371.8 | 374.8 | 374.6 |
| | 372.9 | 376.0 | 375.4 |
| | 374.1 | 377.1 | 376.5 |
| | 375.0 | 378.1 | 377.5 |
| | 375.7 | 378.2 | 378.0 |
| | 374.6 | 376.6 | 376.5 |
| | 377.3 | 379.5 | 379.3 |
| | 377.5 | 379.5 | 379.3 |
| | 377.5 | 380.1 | 379.5 |
| | 379.2 | 382.5 | 381.5 |
| | 379.8 | | 382.1 |
| | 381.1 | | 383.4 |
| | 382.0 | | 384.3 |
| | 380.7 | | 382.8 |
| | 377.7 | 379.7 | 379.6 |
| | 365.8 | 372.1 | 372.8 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | 2.80 | 2.50 | 2.50 |
| | 2.30 | 2.10 | 2.10 |
| | 1.97 | 1.90 | 1.90 |
| | 1.58 | 1.80 | 1.70 |
| | 1.60 | 1.60 | 1.50 |
| | 1.40 | 1.20 | 1.20 |
| | 1.25 | 1.10 | 1.10 |
| | 1.12 | 1.20 | 1.20 |
| | .97 | 1.20 | 1.20 |
| | .95 | 1.20 | 1.20 |
| | .97 | 1.20 | 1.20 |
| | .93 | 1.00 | 1.00 |
| | .75 | .80 | .80 |
| | .79 | .90 | .90 |
| | .74 | .80 | .80 |
| | .77 | 1.00 | 1.00 |
| | .90 | 1.30 | 1.20 |
| | .91 | 0.00 | 0.00 |
| | .92 | 0.00 | 0.00 |
| | .89 | 0.00 | 0.00 |
| | .86 | 0.00 | 0.00 |
| | .74 | .80 | .80 |
| 2.80 | 2.50 | | 2.50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 11.2681 | 145 | 31 | 26.5784 |
| 2 | 42 | 53 | 11.2539 | 145 | 31 | 25.4766 |
| 3 | 42 | 53 | 11.2397 | 145 | 31 | 24.3748 |
| 4 | 42 | 53 | 11.2255 | 145 | 31 | 23.2730 |
| 5 | 42 | 53 | 11.2113 | 145 | 31 | 22.1712 |
| 6 | 42 | 53 | 11.1971 | 145 | 31 | 21.0695 |
| 7 | 42 | 53 | 11.1828 | 145 | 31 | 19.9677 |
| 8 | 42 | 53 | 11.1686 | 145 | 31 | 18.8659 |
| 9 | 42 | 53 | 11.1544 | 145 | 31 | 17.7641 |
| 10 | 42 | 53 | 11.1401 | 145 | 31 | 16.6623 |
| 11 | 42 | 53 | 11.1259 | 145 | 31 | 15.5606 |
| 12 | 42 | 53 | 11.1117 | 145 | 31 | 14.4588 |
| 13 | 42 | 53 | 11.0974 | 145 | 31 | 13.3570 |
| 14 | 42 | 53 | 11.0832 | 145 | 31 | 12.2552 |
| 15 | 42 | 53 | 11.0689 | 145 | 31 | 11.1534 |
| 16 | 42 | 53 | 11.0547 | 145 | 31 | 10.0517 |
| 17 | 42 | 53 | 11.0404 | 145 | 31 | 8.9499 |
| 18 | 42 | 53 | 11.0262 | 145 | 31 | 7.8481 |
| 19 | 42 | 53 | 11.0119 | 145 | 31 | 6.7463 |
| 20 | 42 | 53 | 10.9977 | 145 | 31 | 5.6445 |
| 21 | 42 | 53 | 10.9834 | 145 | 31 | 4.5428 |
| 22 | 42 | 53 | 11.0689 | 145 | 31 | 11.1534 |
| 23 | 42 | 53 | 11.2681 | 145 | 31 | 26.5784 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 372.8 | | |
| | 372.9 | 156.5 | -.1 |
| | 374.2 | 157.9 | -.1 |
| | 373.9 | 157.6 | -.0 |
| | 376.0 | 159.6 | -.0 |
| | 374.9 | 158.6 | -.0 |
| | 373.8 | 157.4 | -.0 |
| | 374.6 | 158.2 | -.0 |
| | 375.4 | 159.0 | -.0 |
| | 376.5 | 160.1 | -.0 |
| | 377.5 | 161.1 | -.0 |
| | 378.0 | 161.6 | -.0 |
| | 376.5 | 160.1 | .0 |
| | 379.3 | 162.8 | .0 |
| | 379.3 | 162.9 | .0 |
| | 379.5 | 163.1 | .0 |
| | 381.5 | 165.1 | .0 |
| | 382.1 | 165.7 | .0 |
| | 383.4 | 166.9 | .0 |
| | 384.3 | 167.8 | .0 |
| | 382.8 | 166.4 | .0 |
| | 379.6 | | |
| | 372.8 | | |

044042

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0026
SURVEY NAME :
VOYAGER 19 12400N 15/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000025
GRID NAME : VOYAGER 19
LOCAL 12400N 10000E
AMG 5250720N 379475E
OBS. GRAVITY: 9804387.7
BASE HEIGHT : 180.28

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000025 | 12400 | 10000 | 180.28 | 9804387.7 |
| 2 | G(V19)000436 | 12400 | 10025 | 187.16 | 9804372.0 |
| 3 | G(V19)000437 | 12400 | 10050 | 191.58 | 9804361.9 |
| 4 | G(V19)000438 | 12400 | 10075 | 196.36 | 9804350.7 |
| 5 | G(V19)000439 | 12400 | 10100 | 201.77 | 9804337.6 |
| 6 | G(V19)000440 | 12400 | 10125 | 205.58 | 9804328.5 |
| 7 | G(V19)000441 | 12400 | 10150 | 209.00 | 9804319.6 |
| 8 | G(V19)000442 | 12400 | 10175 | 212.63 | 9804310.5 |
| 9 | G(V19)000443 | 12400 | 10200 | 216.62 | 9804300.0 |
| 10 | G(V19)000444 | 12400 | 10225 | 220.05 | 9804291.4 |
| 11 | G(V19)000445 | 12400 | 10250 | 223.63 | 9804282.4 |
| 12 | G(V19)000446 | 12400 | 10275 | 224.33 | 9804278.9 |
| 13 | G(V19)000447 | 12400 | 10300 | 223.77 | 9804278.2 |
| 14 | G(V19)000448 | 12400 | 10325 | 222.25 | 9804278.1 |
| 15 | G(V19)000449 | 12400 | 10350 | 217.02 | 9804288.5 |
| 16 | G(V19)000450 | 12400 | 10375 | 207.42 | 9804309.1 |
| 17 | G(V19)000451 | 12400 | 10400 | 200.73 | 9804323.8 |
| 18 | G(V19)000025 | 12400 | 10000 | 180.28 | 9804387.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5250720 | 379475 |
| 2 | 5250720 | 379500 |
| 3 | 5250720 | 379525 |
| 4 | 5250720 | 379550 |
| 5 | 5250720 | 379575 |
| 6 | 5250720 | 379600 |
| 7 | 5250720 | 379625 |
| 8 | 5250720 | 379650 |
| 9 | 5250720 | 379675 |
| 10 | 5250720 | 379700 |
| 11 | 5250720 | 379725 |
| 12 | 5250720 | 379750 |
| 13 | 5250720 | 379775 |
| 14 | 5250720 | 379800 |
| 15 | 5250720 | 379825 |
| 16 | 5250720 | 379850 |
| 17 | 5250720 | 379875 |
| 18 | 5250720 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 365.8 | 372.1 | 372.8 | 2.80 | 2.50 | 2.50 |
| 2 | 364.0 | 372.1 | 371.3 | 2.90 | 3.20 | 3.10 |
| 3 | 362.9 | 371.2 | 370.6 | 3.05 | 3.30 | 3.20 |
| 4 | 361.3 | 370.4 | 369.9 | 3.40 | 3.60 | 3.50 |
| 5 | 359.3 | 369.6 | 369.7 | 4.15 | 4.10 | 4.00 |
| 6 | 357.9 | 368.5 | 368.5 | 4.20 | 4.20 | 4.20 |
| 7 | 355.9 | 367.0 | 367.0 | 4.40 | 4.40 | 4.40 |
| 8 | 354.2 | 366.3 | 365.8 | 4.60 | 4.80 | 4.80 |
| 9 | 351.8 | 365.2 | 364.5 | 5.01 | 5.30 | 5.30 |
| 10 | 350.2 | 364.8 | 362.9 | 5.05 | 5.80 | 5.70 |
| 11 | 348.4 | 364.6 | 363.6 | 6.00 | 6.40 | 6.40 |
| 12 | 346.4 | 362.7 | 361.1 | 5.85 | 6.50 | 6.50 |
| 13 | 344.5 | 361.1 | 358.7 | 5.65 | 6.60 | 6.50 |
| 14 | 341.3 | 358.2 | 356.1 | 5.90 | 6.70 | 6.60 |
| 15 | 341.1 | 357.2 | 356.3 | 6.05 | 6.40 | 6.40 |
| 16 | 342.2 | 357.0 | 355.6 | 5.35 | 5.90 | 5.80 |
| 17 | 343.3 | 356.9 | 355.3 | 4.75 | 5.40 | 5.30 |
| 18 | 365.8 | 372.1 | 372.8 | 2.80 | 2.50 | 2.50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 11.2681 | 145 | 31 | 26.5784 |
| 2 | 42 | 53 | 11.2823 | 145 | 31 | 27.6802 |
| 3 | 42 | 53 | 11.2965 | 145 | 31 | 28.7820 |
| 4 | 42 | 53 | 11.3107 | 145 | 31 | 29.8837 |
| 5 | 42 | 53 | 11.3249 | 145 | 31 | 30.9855 |
| 6 | 42 | 53 | 11.3391 | 145 | 31 | 32.0873 |
| 7 | 42 | 53 | 11.3533 | 145 | 31 | 33.1891 |
| 8 | 42 | 53 | 11.3675 | 145 | 31 | 34.2909 |
| 9 | 42 | 53 | 11.3817 | 145 | 31 | 35.3927 |
| 10 | 42 | 53 | 11.3959 | 145 | 31 | 36.4945 |
| 11 | 42 | 53 | 11.4100 | 145 | 31 | 37.5962 |
| 12 | 42 | 53 | 11.4242 | 145 | 31 | 38.6980 |
| 13 | 42 | 53 | 11.4384 | 145 | 31 | 39.7998 |
| 14 | 42 | 53 | 11.4526 | 145 | 31 | 40.9016 |
| 15 | 42 | 53 | 11.4667 | 145 | 31 | 42.0034 |
| 16 | 42 | 53 | 11.4809 | 145 | 31 | 43.1052 |
| 17 | 42 | 53 | 11.4951 | 145 | 31 | 44.2070 |
| 18 | 42 | 53 | 11.2681 | 145 | 31 | 26.5784 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| 1 | 372.8 | | |
| 2 | 371.3 | 155.0 | -.1 |
| 3 | 370.6 | 154.3 | -.1 |
| 4 | 369.9 | 153.6 | -.1 |
| 5 | 369.7 | 153.4 | -.1 |
| 6 | 368.5 | 152.2 | -.1 |
| 7 | 367.0 | 150.7 | -.1 |
| 8 | 365.8 | 149.6 | -.1 |
| 9 | 364.5 | 148.2 | -.1 |
| 10 | 362.9 | 146.7 | -.1 |
| 11 | 363.6 | 147.3 | -.1 |
| 12 | 361.1 | 144.8 | -.1 |
| 13 | 358.7 | 142.5 | -.2 |
| 14 | 356.1 | 139.9 | -.2 |
| 15 | 356.3 | 140.1 | -.2 |
| 16 | 355.6 | 139.4 | -.1 |
| 17 | 355.3 | 139.0 | -.1 |
| 18 | 372.8 | | |

042

044043

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0027
SURVEY NAME :
VOYAGER 19 12500N 15/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000023
GRID NAME : VOYAGER 19
LOCAL 12500N 10000E
AMG 5250820N 379475E
OBS. GRAVITY: 9804393.7
BASE HEIGHT : 176.8

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000023 | 12500 | 10000 | 176.80 | 9804393.7 |
| 2 | G(V19)000452 | 12500 | 9975 | 173.59 | 9804401.1 |
| 3 | G(V19)000453 | 12500 | 9950 | 171.21 | 9804407.2 |
| 4 | G(V19)000454 | 12500 | 9925 | 168.81 | 9804413.0 |
| 5 | G(V19)000455 | 12500 | 9900 | 166.63 | 9804418.0 |
| 6 | G(V19)000456 | 12500 | 9850 | 165.77 | 9804421.6 |
| 7 | G(V19)000457 | 12500 | 9825 | 163.00 | 9804428.2 |
| 8 | G(V19)000458 | 12500 | 9800 | 159.42 | 9804436.9 |
| 9 | G(V19)000459 | 12500 | 9775 | 157.09 | 9804443.1 |
| 10 | G(V19)000460 | 12500 | 9750 | 155.73 | 9804446.4 |
| 11 | G(V19)000461 | 12500 | 9725 | 154.65 | 9804449.4 |
| 12 | G(V19)000462 | 12500 | 9700 | 153.02 | 9804453.8 |
| 13 | G(V19)000463 | 12500 | 9675 | 150.25 | 9804459.5 |
| 14 | G(V19)000464 | 12500 | 9650 | 148.60 | 9804464.4 |
| 15 | G(V19)000465 | 12500 | 9625 | 146.00 | 9804469.9 |
| 16 | G(V19)000466 | 12500 | 9600 | 141.13 | 9804480.3 |
| 17 | G(V19)000467 | 12500 | 9575 | 133.38 | 9804496.4 |
| 18 | G(V19)000468 | 12500 | 9550 | 128.97 | 9804505.3 |
| 19 | G(V19)000469 | 12500 | 9525 | 126.53 | 9804512.4 |
| 20 | G(V19)000470 | 12500 | 9500 | 126.29 | 9804512.7 |
| 21 | G(V19)000454 | 12500 | 9925 | 168.81 | 9804413.0 |
| 22 | G(V19)000023 | 12500 | 10000 | 176.83 | 9804393.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5250820 | 379475 |
| 2 | 5250820 | 379450 |
| 3 | 5250820 | 379425 |
| 4 | 5250820 | 379400 |
| 5 | 5250820 | 379375 |
| 6 | 5250820 | 379325 |
| 7 | 5250820 | 379300 |
| 8 | 5250820 | 379275 |
| 9 | 5250820 | 379250 |
| 10 | 5250820 | 379225 |
| 11 | 5250820 | 379200 |
| 12 | 5250820 | 379175 |
| 13 | 5250820 | 379150 |
| 14 | 5250820 | 379125 |
| 15 | 5250820 | 379100 |
| 16 | 5250820 | 379075 |
| 17 | 5250820 | 379050 |
| 18 | 5250820 | 379025 |
| 19 | 5250820 | 379000 |
| 20 | 5250820 | 378975 |
| 21 | 5250820 | 379400 |
| 22 | 5250820 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| | 365.5 | 370.5 | 371.2 |
| | 366.4 | 370.9 | 371.5 |
| | 367.6 | 371.7 | 372.2 |
| | 368.6 | 372.4 | 372.3 |
| | 369.2 | 372.4 | 372.5 |
| | 371.0 | 374.6 | 373.9 |
| | 372.0 | 375.3 | 374.8 |
| | 373.4 | 376.2 | 376.2 |
| | 374.9 | 377.4 | 377.3 |
| | 375.5 | 378.0 | 377.8 |
| | 376.3 | 379.1 | 378.5 |
| | 377.3 | 380.1 | 379.4 |
| | 377.4 | 380.0 | 379.7 |
| | 379.0 | 381.8 | 381.5 |
| | 379.2 | 382.5 | 381.8 |
| | 379.7 | 383.3 | 382.4 |
| | 380.1 | | 382.8 |
| | 380.1 | | 382.7 |
| | 382.2 | | 384.3 |
| | 382.0 | | 383.8 |
| | 368.6 | 372.4 | 372.3 |
| | 365.6 | 370.6 | 371.2 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | 2.25 | 2.00 | 2.00 |
| | 2.00 | 1.80 | 1.80 |
| | 1.82 | 1.60 | 1.60 |
| | 1.47 | 1.50 | 1.50 |
| | 1.31 | 1.30 | 1.30 |
| | 1.15 | 1.40 | 1.40 |
| | 1.10 | 1.30 | 1.30 |
| | 1.08 | 1.10 | 1.10 |
| | .97 | 1.00 | 1.00 |
| | .91 | 1.00 | 1.00 |
| | .87 | 1.10 | 1.00 |
| | .82 | 1.10 | 1.10 |
| | .89 | 1.00 | 1.00 |
| | 1.00 | 1.10 | 1.10 |
| | 1.01 | 1.30 | 1.20 |
| | 1.05 | 1.40 | 1.30 |
| | 1.04 | 0.00 | 0.00 |
| | 1.02 | 0.00 | 0.00 |
| | .86 | 0.00 | 0.00 |
| | .71 | 0.00 | 0.00 |
| | 1.47 | 1.50 | 1.50 |
| | 2.25 | 2.00 | 2.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 8.0273 | 145 | 31 | 26.6557 |
| 2 | 42 | 53 | 8.0131 | 145 | 31 | 25.5539 |
| 3 | 42 | 53 | 7.9989 | 145 | 31 | 24.4521 |
| 4 | 42 | 53 | 7.9847 | 145 | 31 | 23.3504 |
| 5 | 42 | 53 | 7.9705 | 145 | 31 | 22.2486 |
| 6 | 42 | 53 | 7.9420 | 145 | 31 | 20.0451 |
| 7 | 42 | 53 | 7.9278 | 145 | 31 | 18.9433 |
| 8 | 42 | 53 | 7.9136 | 145 | 31 | 17.8415 |
| 9 | 42 | 53 | 7.8993 | 145 | 31 | 16.7398 |
| 10 | 42 | 53 | 7.8851 | 145 | 31 | 15.6380 |
| 11 | 42 | 53 | 7.8709 | 145 | 31 | 14.5362 |
| 12 | 42 | 53 | 7.8566 | 145 | 31 | 13.4345 |
| 13 | 42 | 53 | 7.8424 | 145 | 31 | 12.3327 |
| 14 | 42 | 53 | 7.8281 | 145 | 31 | 11.2309 |
| 15 | 42 | 53 | 7.8139 | 145 | 31 | 10.1292 |
| 16 | 42 | 53 | 7.7996 | 145 | 31 | 9.0274 |
| 17 | 42 | 53 | 7.7854 | 145 | 31 | 7.9256 |
| 18 | 42 | 53 | 7.7711 | 145 | 31 | 6.8239 |
| 19 | 42 | 53 | 7.7569 | 145 | 31 | 5.7221 |
| 20 | 42 | 53 | 7.7426 | 145 | 31 | 4.6204 |
| 21 | 42 | 53 | 7.9847 | 145 | 31 | 23.3504 |
| 22 | 42 | 53 | 8.0273 | 145 | 31 | 26.6557 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 371.2 | | |
| | 371.5 | 155.1 | -.0 |
| | 372.2 | 155.8 | .0 |
| | 372.3 | 155.9 | .0 |
| | 372.5 | 156.0 | .0 |
| | 373.9 | 157.6 | -.1 |
| | 374.8 | 158.3 | .0 |
| | 376.2 | 159.7 | .0 |
| | 377.3 | 160.9 | .0 |
| | 377.8 | 161.4 | .0 |
| | 378.5 | 162.0 | .0 |
| | 379.4 | 162.9 | .1 |
| | 379.7 | 163.2 | .1 |
| | 381.5 | 165.0 | .1 |
| | 381.8 | 165.3 | .1 |
| | 382.4 | 165.9 | .1 |
| | 382.8 | 166.3 | .1 |
| | 382.7 | 166.2 | .1 |
| | 384.3 | 167.8 | .1 |
| | 383.8 | 167.3 | .1 |
| | 372.3 | | |
| | 371.2 | | |

044044

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0028
SURVEY NAME :
VOYAGER 19 12500N 12/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000023
GRID NAME : VOYAGER 19
LOCAL 12500N 10000E
AMG 5250820N 379475E
OBS. GRAVITY: 9804393.7
BASE HEIGHT : 176.8

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000023 | 12500 | 10000 | 176.80 | 9804393.7 |
| 2 | G(V19)000471 | 12500 | 10025 | 180.08 | 9804385.7 |
| 3 | G(V19)000472 | 12500 | 10050 | 186.77 | 9804370.0 |
| 4 | G(V19)000473 | 12500 | 10075 | 191.46 | 9804359.2 |
| 5 | G(V19)000474 | 12500 | 10100 | 197.47 | 9804345.8 |
| 6 | G(V19)000475 | 12500 | 10125 | 204.31 | 9804329.7 |
| 7 | G(V19)000476 | 12500 | 10150 | 212.00 | 9804310.8 |
| 8 | G(V19)000477 | 12500 | 10175 | 217.44 | 9804298.5 |
| 9 | G(V19)000478 | 12500 | 10200 | 226.89 | 9804274.4 |
| 10 | G(V19)000479 | 12500 | 10225 | 231.85 | 9804260.6 |
| 11 | G(V19)000480 | 12500 | 10250 | 233.64 | 9804254.6 |
| 12 | G(V19)000481 | 12500 | 10275 | 231.28 | 9804258.9 |
| 13 | G(V19)000482 | 12500 | 10300 | 223.46 | 9804276.2 |
| 14 | G(V19)000483 | 12500 | 10325 | 219.40 | 9804285.0 |
| 15 | G(V19)000484 | 12500 | 10350 | 215.34 | 9804293.0 |
| 16 | G(V19)000485 | 12500 | 10375 | 211.63 | 9804299.5 |
| 17 | G(V19)000486 | 12500 | 10400 | 202.48 | 9804318.6 |
| 18 | G(V19)000482 | 12500 | 10300 | 223.46 | 9804276.3 |
| 19 | G(V19)000476 | 12500 | 10150 | 212.00 | 9804311.7 |
| 20 | G(V19)000023 | 12500 | 10000 | 176.80 | 9804393.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5250820 | 379475 |
| 2 | 5250820 | 379500 |
| 3 | 5250820 | 379525 |
| 4 | 5250820 | 379550 |
| 5 | 5250820 | 379575 |
| 6 | 5250820 | 379600 |
| 7 | 5250820 | 379625 |
| 8 | 5250820 | 379650 |
| 9 | 5250820 | 379675 |
| 10 | 5250820 | 379700 |
| 11 | 5250820 | 379725 |
| 12 | 5250820 | 379750 |
| 13 | 5250820 | 379775 |
| 14 | 5250820 | 379800 |
| 15 | 5250820 | 379825 |
| 16 | 5250820 | 379850 |
| 17 | 5250820 | 379875 |
| 18 | 5250820 | 379775 |
| 19 | 5250820 | 379625 |
| 20 | 5250820 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 365.5 | 370.5 | 371.2 | 2.25 | 2.00 | 2.00 |
| 2 | 364.2 | 369.7 | 370.8 | 2.62 | 2.20 | 2.20 |
| 3 | 362.1 | 369.1 | 368.4 | 2.52 | 2.80 | 2.80 |
| 4 | 360.8 | 368.3 | 368.6 | 3.10 | 3.00 | 3.00 |
| 5 | 359.6 | 368.4 | 368.4 | 3.48 | 3.50 | 3.50 |
| 6 | 357.3 | 367.9 | 367.2 | 3.90 | 4.20 | 4.10 |
| 7 | 354.0 | 366.9 | 364.8 | 4.25 | 5.10 | 5.00 |
| 8 | 352.8 | 366.6 | 365.1 | 4.90 | 5.50 | 5.40 |
| 9 | 347.9 | 366.0 | 361.6 | 5.46 | 7.20 | 7.10 |
| 10 | 344.1 | 363.5 | 360.3 | 6.40 | 7.70 | 7.60 |
| 11 | 341.7 | 361.1 | 359.2 | 6.92 | 7.70 | 7.70 |
| 12 | 341.3 | 359.9 | 358.4 | 6.80 | 7.40 | 7.40 |
| 13 | 342.7 | 360.1 | 358.8 | 6.40 | 6.90 | 6.80 |
| 14 | 343.3 | 359.6 | 358.4 | 6.00 | 6.50 | 6.40 |
| 15 | 343.0 | 358.8 | 357.0 | 5.55 | 6.30 | 6.20 |
| 16 | 341.9 | 357.5 | 355.4 | 5.35 | 6.20 | 6.10 |
| 17 | 342.4 | 357.8 | 355.3 | 5.09 | 6.10 | 5.90 |
| 18 | 342.8 | 360.2 | 358.9 | 6.40 | 6.90 | 6.60 |
| 19 | 354.9 | 367.7 | 365.6 | 4.25 | 5.10 | 5.00 |
| 20 | 365.5 | 370.5 | 371.2 | 2.25 | 2.00 | 2.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 8.0273 | 145 | 31 | 26.6557 |
| 2 | 42 | 53 | 8.0415 | 145 | 31 | 27.7574 |
| 3 | 42 | 53 | 8.0557 | 145 | 31 | 28.8592 |
| 4 | 42 | 53 | 8.0699 | 145 | 31 | 29.9610 |
| 5 | 42 | 53 | 8.0841 | 145 | 31 | 31.0627 |
| 6 | 42 | 53 | 8.0983 | 145 | 31 | 32.1645 |
| 7 | 42 | 53 | 8.1125 | 145 | 31 | 33.2663 |
| 8 | 42 | 53 | 8.1267 | 145 | 31 | 34.3680 |
| 9 | 42 | 53 | 8.1409 | 145 | 31 | 35.4698 |
| 10 | 42 | 53 | 8.1551 | 145 | 31 | 36.5716 |
| 11 | 42 | 53 | 8.1692 | 145 | 31 | 37.6734 |
| 12 | 42 | 53 | 8.1834 | 145 | 31 | 38.7751 |
| 13 | 42 | 53 | 8.1976 | 145 | 31 | 39.8769 |
| 14 | 42 | 53 | 8.2118 | 145 | 31 | 40.9787 |
| 15 | 42 | 53 | 8.2259 | 145 | 31 | 42.0804 |
| 16 | 42 | 53 | 8.2401 | 145 | 31 | 43.1822 |
| 17 | 42 | 53 | 8.2542 | 145 | 31 | 44.2840 |
| 18 | 42 | 53 | 8.1976 | 145 | 31 | 39.8769 |
| 19 | 42 | 53 | 8.1125 | 145 | 31 | 33.2663 |
| 20 | 42 | 53 | 8.0273 | 145 | 31 | 26.6557 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 371.2 | | |
| 2 | 370.8 | 154.2 | .1 |
| 3 | 368.4 | 152.0 | -.0 |
| 4 | 368.6 | 152.2 | -.0 |
| 5 | 368.4 | 152.0 | -.0 |
| 6 | 367.2 | 150.4 | .4 |
| 7 | 364.8 | 148.4 | -.1 |
| 8 | 365.1 | 148.8 | -.1 |
| 9 | 361.6 | 145.3 | -.1 |
| 10 | 360.3 | 144.0 | -.1 |
| 11 | 359.2 | 142.9 | -.1 |
| 12 | 358.4 | 142.1 | -.1 |
| 13 | 358.8 | 142.5 | -.1 |
| 14 | 358.4 | 142.1 | -.1 |
| 15 | 357.0 | 140.7 | -.1 |
| 16 | 355.4 | 139.1 | -.1 |
| 17 | 355.3 | 139.0 | -.1 |
| 18 | 358.9 | | |
| 19 | 365.6 | | |
| 20 | 371.2 | | |

04-1

044045

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0029
SURVEY NAME :
VOYAGER 19 12600N 15/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000021
GRID NAME : VOYAGER 19
LOCAL 12600N 10000E
AMG 5250920N 379475E
OBS. GRAVITY: 9804390.5
BASE HEIGHT : 177.71

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |
| 2 | G(V19)000487 | 12600 | 9975 | 177.42 | 9804390.5 |
| 3 | G(V19)000488 | 12600 | 9950 | 178.51 | 9804389.1 |
| 4 | G(V19)000489 | 12600 | 9925 | 177.57 | 9804391.5 |
| 5 | G(V19)000490 | 12600 | 9900 | 174.00 | 9804402.1 |
| 6 | G(V19)000491 | 12600 | 9875 | 168.34 | 9804412.6 |
| 7 | G(V19)000492 | 12600 | 9850 | 164.17 | 9804422.9 |
| 8 | G(V19)000493 | 12600 | 9825 | 161.45 | 9804429.4 |
| 9 | G(V19)000494 | 12600 | 9800 | 159.55 | 9804434.4 |
| 10 | G(V19)000495 | 12600 | 9775 | 158.80 | 9804436.9 |
| 11 | G(V19)000496 | 12600 | 9750 | 156.32 | 9804443.0 |
| 12 | G(V19)000490 | 12600 | 9900 | 174.00 | 9804399.0 |
| 13 | G(V19)000497 | 12600 | 10025 | 184.08 | 9804375.9 |
| 14 | G(V19)000498 | 12600 | 10050 | 189.15 | 9804364.3 |
| 15 | G(V19)000499 | 12600 | 10075 | 195.49 | 9804349.9 |
| 16 | G(V19)000500 | 12600 | 10100 | 204.95 | 9804328.6 |
| 17 | G(V19)000501 | 12600 | 10125 | 209.33 | 9804318.3 |
| 18 | G(V19)000502 | 12600 | 10150 | 214.16 | 9804306.6 |
| 19 | G(V19)000503 | 12600 | 10175 | 215.57 | 9804302.6 |
| 20 | G(V19)000504 | 12600 | 10200 | 216.40 | 9804296.7 |
| 21 | G(V19)000505 | 12600 | 10225 | 209.50 | 9804310.4 |
| 22 | G(V19)000506 | 12600 | 10250 | 203.93 | 9804322.4 |
| 23 | G(V19)000502 | 12600 | 10150 | 214.16 | 9804306.4 |
| 24 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5250920 | 379475 |
| 2 | 5250920 | 379450 |
| 3 | 5250920 | 379425 |
| 4 | 5250920 | 379400 |
| 5 | 5250920 | 379375 |
| 6 | 5250920 | 379350 |
| 7 | 5250920 | 379325 |
| 8 | 5250920 | 379300 |
| 9 | 5250920 | 379275 |
| 10 | 5250920 | 379250 |
| 11 | 5250920 | 379225 |
| 12 | 5250920 | 379375 |
| 13 | 5250920 | 379500 |
| 14 | 5250920 | 379525 |
| 15 | 5250920 | 379550 |
| 16 | 5250920 | 379575 |
| 17 | 5250920 | 379600 |
| 18 | 5250920 | 379625 |
| 19 | 5250920 | 379650 |
| 20 | 5250920 | 379675 |
| 21 | 5250920 | 379700 |
| 22 | 5250920 | 379725 |
| 23 | 5250920 | 379625 |
| 24 | 5250920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| | 365.0 | 370.0 | 370.0 |
| | 364.4 | 368.9 | 368.4 |
| | 365.2 | 370.0 | 369.1 |
| | 365.6 | 370.9 | 369.6 |
| | 369.0 | 374.0 | 372.8 |
| | 368.0 | 372.1 | 371.7 |
| | 369.9 | 373.1 | 373.1 |
| | 370.9 | 373.9 | 373.9 |
| | 372.1 | 374.8 | 374.8 |
| | 373.0 | 375.7 | 375.5 |
| | 374.1 | 376.9 | 376.6 |
| | 365.9 | 371.0 | 369.7 |
| | 363.2 | 370.3 | 369.0 |
| | 362.0 | 370.0 | 368.4 |
| | 360.4 | 369.7 | 369.2 |
| | 358.4 | 370.5 | 368.0 |
| | 357.0 | 368.8 | 367.2 |
| | 355.0 | 367.6 | 366.7 |
| | 353.9 | 366.0 | 365.4 |
| | 349.7 | 362.0 | 360.7 |
| | 349.3 | 361.9 | 361.2 |
| | 350.0 | 363.1 | 360.3 |
| | 354.9 | 367.5 | 366.6 |
| | 365.0 | 370.0 | 370.0 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | 2.02 | 2.00 | 1.90 |
| | 1.59 | 1.80 | 1.80 |
| | 1.55 | 1.90 | 1.90 |
| | 1.57 | 2.10 | 2.10 |
| | 1.51 | 2.00 | 2.00 |
| | 1.45 | 1.60 | 1.50 |
| | 1.27 | 1.30 | 1.30 |
| | 1.17 | 1.20 | 1.20 |
| | 1.10 | 1.10 | 1.10 |
| | 1.02 | 1.10 | 1.10 |
| | .99 | 1.10 | 1.00 |
| | 1.51 | 2.00 | 2.00 |
| | 2.30 | 2.80 | 2.70 |
| | 2.55 | 3.20 | 3.10 |
| | 3.50 | 3.70 | 3.60 |
| | 3.82 | 4.80 | 4.70 |
| | 4.05 | 4.70 | 4.60 |
| | 4.65 | 5.00 | 4.90 |
| | 4.55 | 4.80 | 4.80 |
| | 4.38 | 4.90 | 4.90 |
| | 4.70 | 5.00 | 4.90 |
| | 4.10 | 5.20 | 5.00 |
| | 4.65 | 5.00 | 4.90 |
| | 2.02 | 2.00 | 1.90 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |
| 2 | 42 | 53 | 4.7723 | 145 | 31 | 25.6312 |
| 3 | 42 | 53 | 4.7581 | 145 | 31 | 24.5294 |
| 4 | 42 | 53 | 4.7439 | 145 | 31 | 23.4277 |
| 5 | 42 | 53 | 4.7297 | 145 | 31 | 22.3259 |
| 6 | 42 | 53 | 4.7154 | 145 | 31 | 21.2242 |
| 7 | 42 | 53 | 4.7012 | 145 | 31 | 20.1224 |
| 8 | 42 | 53 | 4.6870 | 145 | 31 | 19.0207 |
| 9 | 42 | 53 | 4.6728 | 145 | 31 | 17.9189 |
| 10 | 42 | 53 | 4.6585 | 145 | 31 | 16.8172 |
| 11 | 42 | 53 | 4.6443 | 145 | 31 | 15.7154 |
| 12 | 42 | 53 | 4.7297 | 145 | 31 | 22.3259 |
| 13 | 42 | 53 | 4.8007 | 145 | 31 | 27.8347 |
| 14 | 42 | 53 | 4.8149 | 145 | 31 | 28.9364 |
| 15 | 42 | 53 | 4.8291 | 145 | 31 | 30.0382 |
| 16 | 42 | 53 | 4.8433 | 145 | 31 | 31.1399 |
| 17 | 42 | 53 | 4.8575 | 145 | 31 | 32.2417 |
| 18 | 42 | 53 | 4.8717 | 145 | 31 | 33.3434 |
| 19 | 42 | 53 | 4.8859 | 145 | 31 | 34.4452 |
| 20 | 42 | 53 | 4.9001 | 145 | 31 | 35.5470 |
| 21 | 42 | 53 | 4.9142 | 145 | 31 | 36.6487 |
| 22 | 42 | 53 | 4.9284 | 145 | 31 | 37.7505 |
| 23 | 42 | 53 | 4.8717 | 145 | 31 | 33.3434 |
| 24 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |

| | BOUGUER GRAVITY HAMMER | SUMPTON A-216.4 | |
|---|---|---|---|
| | 370.0 | | |
| | 368.4 | 151.0 | .9 |
| | 369.1 | 151.8 | .9 |
| | 369.6 | 152.3 | .9 |
| | 372.8 | 155.5 | .9 |
| | 371.7 | 154.3 | 1.0 |
| | 373.1 | 155.6 | 1.0 |
| | 373.9 | 156.5 | 1.0 |
| | 374.8 | 157.5 | 1.0 |
| | 375.5 | 158.2 | 1.0 |
| | 376.6 | 159.2 | 1.0 |
| | 369.7 | | |
| | 369.0 | 153.8 | -1.2 |
| | 368.4 | 151.1 | .9 |
| | 369.2 | 151.9 | .9 |
| | 368.0 | 150.7 | .9 |
| | 367.2 | 149.9 | .9 |
| | 366.7 | 149.4 | .9 |
| | 365.4 | 148.1 | .9 |
| | 360.7 | 143.4 | .9 |
| | 361.2 | 143.9 | .9 |
| | 360.3 | 143.1 | .9 |
| | 366.6 | | |
| | 370.0 | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0030
SURVEY NAME :
VOYAGER 19 12600N 16/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000021
GRID NAME : VOYAGER 19
LOCAL 12600N 10000E
AMG 5250920N 379475E
OBS. GRAVITY: 9804390.5
BASE HEIGHT : 177.71

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |
| 2 | G(V19)000487 | 12600 | 9975 | 177.42 | 9804390.5 |
| 3 | G(V19)000488 | 12600 | 9950 | 178.51 | 9804388.6 |
| 4 | G(V19)000489 | 12600 | 9925 | 177.57 | 9804391.6 |
| 5 | G(V19)000490 | 12600 | 9900 | 174.00 | 9804398.7 |
| 6 | G(V19)000491 | 12600 | 9875 | 168.34 | 9804412.6 |
| 7 | G(V19)000492 | 12600 | 9850 | 164.17 | 9804422.7 |
| 8 | G(V19)000493 | 12600 | 9825 | 161.45 | 9804430.2 |
| 9 | G(V19)000494 | 12600 | 9800 | 159.55 | 9804434.4 |
| 10 | G(V19)000495 | 12600 | 9775 | 158.80 | 9804436.7 |
| 11 | G(V19)000496 | 12600 | 9750 | 156.32 | 9804443.0 |
| 12 | G(V19)000507 | 12600 | 9725 | 155.91 | 9804445.4 |
| 13 | G(V19)000508 | 12600 | 9700 | 153.04 | 9804451.1 |
| 14 | G(V19)000509 | 12600 | 9675 | 149.80 | 9804458.4 |
| 15 | G(V19)000510 | 12600 | 9650 | 144.31 | 9804470.4 |
| 16 | G(V19)000511 | 12600 | 9625 | 140.14 | 9804480.4 |
| 17 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5250920 | 379475 |
| 2 | 5250920 | 379450 |
| 3 | 5250920 | 379425 |
| 4 | 5250920 | 379400 |
| 5 | 5250920 | 379375 |
| 6 | 5250920 | 379350 |
| 7 | 5250920 | 379325 |
| 8 | 5250920 | 379300 |
| 9 | 5250920 | 379275 |
| 10 | 5250920 | 379250 |
| 11 | 5250920 | 379225 |
| 12 | 5250920 | 379200 |
| 13 | 5250920 | 379175 |
| 14 | 5250920 | 379150 |
| 15 | 5250920 | 379125 |
| 16 | 5250920 | 379100 |
| 17 | 5250920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| 1 | 365.0 | 370.0 | 370.0 |
| 2 | 364.4 | 368.9 | 368.4 |
| 3 | 364.7 | 369.5 | 368.6 |
| 4 | 365.7 | 371.0 | 369.7 |
| 5 | 365.6 | 370.7 | 369.4 |
| 6 | 368.1 | 372.1 | 371.7 |
| 7 | 369.7 | 373.0 | 372.9 |
| 8 | 371.6 | 374.7 | 374.6 |
| 9 | 372.0 | 374.8 | 374.8 |
| 10 | 372.8 | 375.6 | 375.4 |
| 11 | 374.0 | 376.8 | 376.5 |
| 12 | 375.7 | 378.7 | 378.1 |
| 13 | 375.5 | 378.5 | 378.0 |
| 14 | 376.2 | 379.5 | 379.0 |
| 15 | 377.1 | 379.9 | 379.9 |
| 16 | 378.6 | 381.1 | 381.5 |
| 17 | 365.0 | 370.0 | 370.0 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | 2.02 | 2.00 | 1.90 |
| | 1.59 | 1.80 | 1.80 |
| | 1.55 | 1.90 | 1.90 |
| | 1.57 | 2.10 | 2.10 |
| | 1.51 | 2.00 | 2.00 |
| | 1.45 | 1.60 | 1.50 |
| | 1.27 | 1.30 | 1.30 |
| | 1.17 | 1.20 | 1.20 |
| | 1.10 | 1.10 | 1.10 |
| | 1.02 | 1.10 | 1.10 |
| | .99 | 1.10 | 1.00 |
| | .97 | 1.20 | 1.20 |
| | 1.00 | 1.20 | 1.20 |
| | 1.09 | 1.30 | 1.30 |
| | 1.11 | 1.10 | 1.10 |
| | 1.13 | 1.00 | 1.00 |
| | 2.02 | 2.00 | 1.90 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |
| 2 | 42 | 53 | 4.7723 | 145 | 31 | 25.6312 |
| 3 | 42 | 53 | 4.7581 | 145 | 31 | 24.5294 |
| 4 | 42 | 53 | 4.7439 | 145 | 31 | 23.4277 |
| 5 | 42 | 53 | 4.7297 | 145 | 31 | 22.3259 |
| 6 | 42 | 53 | 4.7154 | 145 | 31 | 21.2242 |
| 7 | 42 | 53 | 4.7012 | 145 | 31 | 20.1224 |
| 8 | 42 | 53 | 4.6870 | 145 | 31 | 19.0207 |
| 9 | 42 | 53 | 4.6728 | 145 | 31 | 17.9189 |
| 10 | 42 | 53 | 4.6585 | 145 | 31 | 16.8172 |
| 11 | 42 | 53 | 4.6443 | 145 | 31 | 15.7154 |
| 12 | 42 | 53 | 4.6301 | 145 | 31 | 14.6137 |
| 13 | 42 | 53 | 4.6158 | 145 | 31 | 13.5119 |
| 14 | 42 | 53 | 4.6016 | 145 | 31 | 12.4102 |
| 15 | 42 | 53 | 4.5873 | 145 | 31 | 11.3084 |
| 16 | 42 | 53 | 4.5731 | 145 | 31 | 10.2067 |
| 17 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 370.0 | | |
| | 368.4 | 152.0 | .0 |
| | 368.6 | 152.2 | .0 |
| | 369.7 | 153.3 | .0 |
| | 369.4 | 153.0 | .0 |
| | 371.7 | 155.2 | .2 |
| | 372.9 | 156.5 | .0 |
| | 374.6 | 158.1 | .1 |
| | 374.8 | 158.3 | .1 |
| | 375.4 | 158.9 | .1 |
| | 376.5 | 160.1 | .1 |
| | 378.1 | 161.7 | .1 |
| | 378.0 | 161.6 | .1 |
| | 379.0 | 162.5 | .1 |
| | 379.9 | 163.4 | .1 |
| | 381.5 | 165.0 | .1 |
| | 370.0 | | |

046

044047

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0031
SURVEY NAME :
VOYAGER 19 12600N 16/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000021
GRID NAME : VOYAGER 19
LOCAL 12600N 10000E
AMG 5250920N 379475E
OBS. GRAVITY: 9804390.5
BASE HEIGHT : 177.71

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |
| 2 | G(V19)000497 | 12600 | 10025 | 184.08 | 9804376.5 |
| 3 | G(V19)000498 | 12600 | 10050 | 189.15 | 9804365.1 |
| 4 | G(V19)000499 | 12600 | 10075 | 195.49 | 9804351.0 |
| 5 | G(V19)000500 | 12600 | 10100 | 204.95 | 9804329.4 |
| 6 | G(V19)000501 | 12600 | 10125 | 209.33 | 9804318.9 |
| 7 | G(V19)000502 | 12600 | 10150 | 214.16 | 9804306.9 |
| 8 | G(V19)000503 | 12600 | 10175 | 215.57 | 9804303.3 |
| 9 | G(V19)000504 | 12600 | 10200 | 216.40 | 9804297.7 |
| 10 | G(V19)000505 | 12600 | 10225 | 209.50 | 9804311.3 |
| 11 | G(V19)000506 | 12600 | 10250 | 203.93 | 9804322.6 |
| 12 | G(V19)000512 | 12600 | 10275 | 200.46 | 9804330.1 |
| 13 | G(V19)000513 | 12600 | 10300 | 194.82 | 9804341.8 |
| 14 | G(V19)000514 | 12600 | 10325 | 189.97 | 9804352.2 |
| 15 | G(V19)000515 | 12600 | 10350 | 183.69 | 9804364.7 |
| 16 | G(V19)000516 | 12600 | 10375 | 180.21 | 9804369.4 |
| 17 | G(V19)000517 | 12600 | 10400 | 174.80 | 9804380.3 |
| 18 | G(V19)000518 | 12600 | 10425 | 167.42 | 9804392.4 |
| 19 | G(V19)000519 | 12600 | 10450 | 157.81 | 9804410.1 |
| 20 | G(V19)000520 | 12600 | 10475 | 153.28 | 9804418.4 |
| 21 | G(V19)000521 | 12600 | 10500 | 147.39 | 9804431.9 |
| 22 | G(V19)000522 | 12600 | 10525 | 143.21 | 9804441.2 |
| 23 | G(V19)000523 | 12600 | 10550 | 140.45 | 9804446.5 |
| 24 | G(V19)000524 | 12600 | 10575 | 137.23 | 9804452.4 |
| 25 | G(V19)000525 | 12600 | 10600 | 135.24 | 9804456.4 |
| 26 | G(V19)000526 | 12600 | 10625 | 133.16 | 9804460.3 |
| 27 | G(V19)000527 | 12600 | 10650 | 131.66 | 9804462.4 |
| 28 | G(V19)000528 | 12600 | 10675 | 130.55 | 9804462.0 |
| 29 | G(V19)000529 | 12600 | 10700 | 128.98 | 9804465.6 |
| 30 | G(V19)000530 | 12600 | 10725 | 127.73 | 9804466.9 |
| 31 | G(V19)000531 | 12600 | 10750 | 126.79 | 9804468.6 |
| 32 | G(V19)000532 | 12600 | 10775 | 128.29 | 9804462.6 |
| 33 | G(V19)000533 | 12600 | 10800 | 138.61 | 9804438.5 |
| 34 | G(V19)000521 | 12600 | 10500 | 147.39 | 9804431.8 |
| 35 | G(V19)000504 | 12600 | 10200 | 216.40 | 9804297.7 |
| 36 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5250920 | 379475 | 365.0 | 370.0 | 370.0 | 2.02 | 2.00 | 1.90 |
| 2 | 5250920 | 379500 | 363.9 | 371.0 | 369.7 | 2.30 | 2.80 | 2.70 |
| 3 | 5250920 | 379525 | 362.8 | 370.8 | 369.2 | 2.55 | 3.20 | 3.10 |
| 4 | 5250920 | 379550 | 361.5 | 370.8 | 370.3 | 3.50 | 3.70 | 3.60 |
| 5 | 5250920 | 379575 | 359.2 | 371.3 | 368.8 | 3.82 | 4.80 | 4.70 |
| 6 | 5250920 | 379600 | 357.6 | 369.4 | 367.8 | 4.05 | 4.70 | 4.60 |
| 7 | 5250920 | 379625 | 355.3 | 367.9 | 367.0 | 4.65 | 5.00 | 4.90 |
| 8 | 5250920 | 379650 | 354.5 | 366.6 | 366.0 | 4.55 | 4.80 | 4.80 |
| 9 | 5250920 | 379675 | 350.7 | 363.0 | 361.7 | 4.38 | 4.90 | 4.90 |
| 10 | 5250920 | 379700 | 350.2 | 362.8 | 362.1 | 4.70 | 5.00 | 4.90 |
| 11 | 5250920 | 379725 | 350.2 | 363.3 | 360.5 | 4.10 | 5.20 | 5.00 |
| 12 | 5250920 | 379750 | 350.7 | 363.5 | 362.1 | 4.55 | 5.10 | 4.90 |
| 13 | 5250920 | 379775 | 350.9 | 364.0 | 359.4 | 3.37 | 5.20 | 5.10 |
| 14 | 5250920 | 379800 | 351.5 | 364.3 | 360.2 | 3.45 | 5.10 | 4.90 |
| 15 | 5250920 | 379825 | 351.2 | 364.1 | 359.8 | 3.40 | 5.10 | 4.90 |
| 16 | 5250920 | 379850 | 348.9 | 360.5 | 357.6 | 3.45 | 4.60 | 4.40 |
| 17 | 5250920 | 379875 | 348.8 | 360.1 | 357.6 | 3.51 | 4.50 | 4.30 |
| 18 | 5250920 | 379900 | 345.9 | 357.0 | 354.8 | 3.50 | 4.40 | 4.30 |
| 19 | 5250920 | 379925 | 344.1 | 355.6 | 351.5 | 2.95 | 4.60 | 4.40 |
| 20 | 5250920 | 379950 | 343.2 | 352.2 | 349.8 | 2.65 | 3.60 | 3.50 |
| 21 | 5250920 | 379975 | 344.8 | 352.8 | 350.4 | 2.22 | 3.20 | 3.10 |
| 22 | 5250920 | 380000 | 345.5 | 352.0 | 350.6 | 2.02 | 2.60 | 2.60 |
| 23 | 5250920 | 380025 | 345.2 | 350.5 | 348.8 | 1.42 | 2.10 | 2.10 |
| 24 | 5250920 | 380050 | 344.6 | 349.2 | 347.6 | 1.17 | 1.80 | 1.80 |
| 25 | 5250920 | 380075 | 344.6 | 348.4 | 346.9 | .92 | 1.50 | 1.50 |
| 26 | 5250920 | 380100 | 344.2 | | 346.0 | .72 | 0.00 | 0.00 |
| 27 | 5250920 | 380125 | 343.2 | | 344.9 | .67 | 0.00 | 0.00 |
| 28 | 5250920 | 380150 | 340.6 | | 342.1 | .61 | 0.00 | 0.00 |
| 29 | 5250920 | 380175 | 341.1 | | 342.5 | .56 | 0.00 | 0.00 |
| 30 | 5250920 | 380200 | 339.7 | | 341.2 | .56 | 0.00 | 0.00 |
| 31 | 5250920 | 380225 | 339.6 | | 340.9 | .51 | 0.00 | 0.00 |
| 32 | 5250920 | 380250 | 336.6 | | 338.0 | .55 | 0.00 | 0.00 |
| 33 | 5250920 | 380275 | 333.5 | | 335.3 | .70 | 0.00 | 0.00 |
| 34 | 5250920 | 379975 | 344.7 | 352.7 | 350.3 | 2.22 | 3.20 | 3.10 |
| 35 | 5250920 | 379675 | 350.7 | 363.1 | 361.8 | 4.38 | 4.90 | 4.90 |
| 36 | 5250920 | 379475 | 365.0 | 370.0 | 370.0 | 2.02 | 2.00 | 1.90 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | Δ-216.4 |
| 1 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 | 370.0 | | |
| 2 | 42 | 53 | 4.8007 | 145 | 31 | 27.8347 | 369.7 | 153.3 | .0 |
| 3 | 42 | 53 | 4.8149 | 145 | 31 | 28.9364 | 369.2 | 152.8 | -.0 |
| 4 | 42 | 53 | 4.8291 | 145 | 31 | 30.0382 | 370.3 | 153.9 | -.0 |
| 5 | 42 | 53 | 4.8433 | 145 | 31 | 31.1399 | 368.8 | 152.4 | -.0 |
| 6 | 42 | 53 | 4.8575 | 145 | 31 | 32.2417 | 367.8 | 151.4 | -.0 |
| 7 | 42 | 53 | 4.8717 | 145 | 31 | 33.3434 | 367.0 | 150.6 | -.0 |
| 8 | 42 | 53 | 4.8859 | 145 | 31 | 34.4452 | 366.0 | 149.7 | -.0 |
| 9 | 42 | 53 | 4.9001 | 145 | 31 | 35.5470 | 361.7 | 145.4 | -.1 |
| 10 | 42 | 53 | 4.9142 | 145 | 31 | 36.6487 | 362.1 | 145.7 | -.0 |
| 11 | 42 | 53 | 4.9284 | 145 | 31 | 37.7505 | 360.5 | 144.2 | -.0 |
| 12 | 42 | 53 | 4.9426 | 145 | 31 | 38.8522 | 362.1 | 145.8 | -.0 |
| 13 | 42 | 53 | 4.9568 | 145 | 31 | 39.9540 | 359.4 | 143.0 | -.0 |
| 14 | 42 | 53 | 4.9709 | 145 | 31 | 41.0557 | 360.2 | 143.8 | -.0 |
| 15 | 42 | 53 | 4.9851 | 145 | 31 | 42.1575 | 359.8 | 143.4 | -.0 |
| 16 | 42 | 53 | 4.9993 | 145 | 31 | 43.2592 | 357.6 | 141.2 | -.0 |
| 17 | 42 | 53 | 5.0134 | 145 | 31 | 44.3610 | 357.6 | 138.0 | 3.2 |
| 18 | 42 | 53 | 5.0276 | 145 | 31 | 45.4627 | 354.8 | 138.4 | -.0 |
| 19 | 42 | 53 | 5.0417 | 145 | 31 | 46.5645 | 351.5 | 135.1 | -.0 |
| 20 | 42 | 53 | 5.0559 | 145 | 31 | 47.6663 | 349.8 | 133.5 | -.0 |
| 21 | 42 | 53 | 5.0700 | 145 | 31 | 48.7680 | 350.4 | 134.0 | -.0 |
| 22 | 42 | 53 | 5.0842 | 145 | 31 | 49.8698 | 350.6 | 134.2 | -.0 |
| 23 | 42 | 53 | 5.0983 | 145 | 31 | 50.9715 | 348.8 | 132.5 | -.0 |
| 24 | 42 | 53 | 5.1125 | 145 | 31 | 52.0733 | 347.6 | 131.2 | -.0 |
| 25 | 42 | 53 | 5.1266 | 145 | 31 | 53.1750 | 346.9 | 130.5 | -.0 |
| 26 | 42 | 53 | 5.1407 | 145 | 31 | 54.2768 | 346.0 | 129.7 | -.0 |
| 27 | 42 | 53 | 5.1549 | 145 | 31 | 55.3786 | 344.9 | 128.6 | -.0 |
| 28 | 42 | 53 | 5.1690 | 145 | 31 | 56.4803 | 342.1 | 125.7 | -.0 |
| 29 | 42 | 53 | 5.1831 | 145 | 31 | 57.5821 | 342.5 | 126.1 | -.0 |
| 30 | 42 | 53 | 5.1972 | 145 | 31 | 58.6838 | 341.2 | 124.8 | -.0 |
| 31 | 42 | 53 | 5.2114 | 145 | 31 | 59.7856 | 340.9 | 124.5 | -.0 |
| 32 | 42 | 53 | 5.2255 | 145 | 32 | 0.8873 | 338.0 | 121.6 | -.1 |
| 33 | 42 | 53 | 5.2396 | 145 | 32 | 1.9891 | 335.3 | 118.9 | -.1 |
| 34 | 42 | 53 | 5.0700 | 145 | 31 | 48.7680 | 350.3 | | |
| 35 | 42 | 53 | 4.9001 | 145 | 31 | 35.5470 | 361.8 | | |
| 36 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 | 370.0 | | |

J48

044049

```
*********************************
*    GEOPEKO GRAVITY SURVEY     *
*********************************

FILE          : TG0032
SURVEY NAME :
VOYAGER 19 12600N 27/11/81

GRAV. METER : W592
SCALE FACTOR:  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000021
GRID NAME     :          VOYAGER 19
LOCAL      12600N      10000E
AMG      5250920N     379475E
OBS. GRAVITY:  9804390.5
BASE HEIGHT :  177.71
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |
| 2 | G(V19)000534 | 12600 | 10005 | 178.45 | 9804388.9 |
| 3 | G(V19)000535 | 12600 | 10010 | 179.29 | 9804387.6 |
| 4 | G(V19)000536 | 12600 | 10015 | 180.52 | 9804384.6 |
| 5 | G(V19)000537 | 12600 | 10020 | 181.46 | 9804382.6 |
| 6 | G(V19)000497 | 12600 | 10025 | 182.41 | 9804380.2 |
| 7 | G(V19)000538 | 12600 | 10030 | 183.37 | 9804377.7 |
| 8 | G(V19)000539 | 12600 | 10035 | 184.61 | 9804375.4 |
| 9 | G(V19)000540 | 12600 | 10040 | 185.95 | 9804372.1 |
| 10 | G(V19)000541 | 12600 | 10045 | 187.46 | 9804369.3 |
| 11 | G(V19)000498 | 12600 | 10050 | 189.15 | 9804365.1 |
| 12 | G(V19)000542 | 12600 | 10055 | 190.82 | 9804361.6 |
| 13 | G(V19)000543 | 12600 | 10060 | 192.23 | 9804358.4 |
| 14 | G(V19)000544 | 12600 | 10065 | 194.00 | 9804354.2 |
| 15 | G(V19)000545 | 12600 | 10070 | 195.55 | 9804350.7 |
| 16 | G(V19)000499 | 12600 | 10075 | 197.24 | 9804346.7 |
| 17 | G(V19)000546 | 12600 | 10080 | 199.74 | 9804341.4 |
| 18 | G(V19)000547 | 12600 | 10085 | 200.76 | 9804338.9 |
| 19 | G(V19)000548 | 12600 | 10090 | 201.68 | 9804337.6 |
| 20 | G(V19)000549 | 12600 | 10095 | 203.59 | 9804333.2 |
| 21 | G(V19)000500 | 12600 | 10100 | 204.95 | 9804329.8 |
| 22 | G(V19)000550 | 12600 | 10110 | 206.82 | 9804325.2 |
| 23 | G(V19)000551 | 12600 | 10120 | 208.47 | 9804320.6 |
| 24 | G(V19)000552 | 12600 | 10130 | 211.19 | 9804314.6 |
| 25 | G(V19)000553 | 12600 | 10140 | 213.72 | 9804308.4 |
| 26 | G(V19)000502 | 12600 | 10150 | 214.16 | 9804307.3 |
| 27 | G(V19)000554 | 12600 | 9990 | 175.19 | 9804396.1 |
| 28 | G(V19)000555 | 12600 | 9980 | 173.87 | 9804398.7 |
| 29 | G(V19)000556 | 12600 | 9970 | 176.19 | 9804393.7 |
| 30 | G(V19)000557 | 12600 | 9960 | 177.78 | 9804390.8 |
| 31 | G(V19)000488 | 12600 | 9950 | 178.51 | 9804388.1 |
| 32 | G(V19)000021 | 12600 | 10000 | 177.71 | 9804390.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5250920 | 379475 |
| 2 | 5250920 | 379480 |
| 3 | 5250920 | 379485 |
| 4 | 5250920 | 379490 |
| 5 | 5250920 | 379495 |
| 6 | 5250920 | 379500 |
| 7 | 5250920 | 379505 |
| 8 | 5250920 | 379510 |
| 9 | 5250920 | 379515 |
| 10 | 5250920 | 379520 |
| 11 | 5250920 | 379525 |
| 12 | 5250920 | 379530 |
| 13 | 5250920 | 379535 |
| 14 | 5250920 | 379540 |
| 15 | 5250920 | 379545 |
| 16 | 5250920 | 379550 |
| 17 | 5250920 | 379555 |
| 18 | 5250920 | 379560 |
| 19 | 5250920 | 379565 |
| 20 | 5250920 | 379570 |
| 21 | 5250920 | 379575 |
| 22 | 5250920 | 379585 |
| 23 | 5250920 | 379595 |
| 24 | 5250920 | 379605 |
| 25 | 5250920 | 379615 |
| 26 | 5250920 | 379625 |
| 27 | 5250920 | 379465 |
| 28 | 5250920 | 379455 |
| 29 | 5250920 | 379445 |
| 30 | 5250920 | 379435 |
| 31 | 5250920 | 379425 |
| 32 | 5250920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 365.0 | 370.0 | 370.0 | 2.02 | 2.00 | 1.90 |
| | 364.9 | | 370.0 | 2.05 | 0.00 | 0.00 |
| | 365.3 | | 370.6 | 2.10 | 0.00 | 0.00 |
| | 364.8 | | 370.3 | 2.20 | 0.00 | 0.00 |
| | 364.7 | | 370.3 | 2.25 | 0.00 | 0.00 |
| | 364.1 | 371.2 | 369.9 | 2.30 | 2.80 | 2.70 |
| | 363.6 | | 369.5 | 2.33 | 0.00 | 0.00 |
| | 363.9 | | 370.0 | 2.40 | 0.00 | 0.00 |
| | 363.2 | | 369.4 | 2.45 | 0.00 | 0.00 |
| | 363.5 | | 369.8 | 2.50 | 0.00 | 0.00 |
| | 362.8 | 370.8 | 369.2 | 2.55 | 3.20 | 3.10 |
| | 362.7 | | 369.2 | 2.60 | 0.00 | 0.00 |
| | 362.3 | | 369.2 | 2.75 | 0.00 | 0.00 |
| | 361.7 | | 369.2 | 2.95 | 0.00 | 0.00 |
| | 361.3 | | 369.8 | 3.35 | 0.00 | 0.00 |
| | 360.8 | 370.1 | 369.6 | 3.50 | 3.70 | 3.60 |
| | 360.5 | | 369.5 | 3.55 | 0.00 | 0.00 |
| | 360.1 | | 369.2 | 3.60 | 0.00 | 0.00 |
| | 360.7 | | 369.9 | 3.65 | 0.00 | 0.00 |
| | 360.2 | | 369.5 | 3.70 | 0.00 | 0.00 |
| | 359.6 | 371.7 | 369.2 | 3.82 | 4.80 | 4.70 |
| | 358.7 | | 368.2 | 3.76 | 0.00 | 0.00 |
| | 357.5 | | 367.1 | 3.83 | 0.00 | 0.00 |
| | 357.0 | | 366.9 | 3.90 | 0.00 | 0.00 |
| | 355.9 | | 365.9 | 3.98 | 0.00 | 0.00 |
| | 355.7 | 368.3 | 367.4 | 4.65 | 5.00 | 4.90 |
| | 365.4 | | 370.0 | 1.80 | 0.00 | 0.00 |
| | 365.4 | | 369.5 | 1.63 | 0.00 | 0.00 |
| | 365.1 | | 369.0 | 1.57 | 0.00 | 0.00 |
| | 365.4 | | 369.4 | 1.57 | 0.00 | 0.00 |
| | 364.1 | 368.9 | 368.1 | 1.55 | 1.90 | 1.90 |
| | 365.0 | 370.0 | 370.0 | 2.02 | 2.00 | 1.90 |

04

044050

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON A-216.4 | |
| 1 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 | 370.0 | | |
| 2 | 42 | 53 | 4.7894 | 145 | 31 | 26.9533 | 370.0 | 153.6 | .1 |
| 3 | 42 | 53 | 4.7922 | 145 | 31 | 27.1736 | 370.6 | 154.2 | -.0 |
| 4 | 42 | 53 | 4.7950 | 145 | 31 | 27.3940 | 370.3 | 153.9 | -.0 |
| 5 | 42 | 53 | 4.7979 | 145 | 31 | 27.6143 | 370.3 | 154.0 | -.0 |
| 6 | 42 | 53 | 4.8007 | 145 | 31 | 27.8347 | 369.9 | 153.6 | -.0 |
| 7 | 42 | 53 | 4.8036 | 145 | 31 | 28.0550 | 369.5 | 153.1 | -.0 |
| 8 | 42 | 53 | 4.8064 | 145 | 31 | 28.2754 | 370.0 | 153.6 | -.0 |
| 9 | 42 | 53 | 4.8092 | 145 | 31 | 28.4957 | 369.4 | 153.0 | -.0 |
| 10 | 42 | 53 | 4.8121 | 145 | 31 | 28.7161 | 369.8 | 153.4 | -.0 |
| 11 | 42 | 53 | 4.8149 | 145 | 31 | 28.9364 | 369.2 | 152.8 | -.0 |
| 12 | 42 | 53 | 4.8178 | 145 | 31 | 29.1568 | 369.2 | 152.8 | -.0 |
| 13 | 42 | 53 | 4.8206 | 145 | 31 | 29.3771 | 369.2 | 152.8 | -.0 |
| 14 | 42 | 53 | 4.8234 | 145 | 31 | 29.5975 | 369.2 | 152.8 | -.0 |
| 15 | 42 | 53 | 4.8263 | 145 | 31 | 29.8178 | 369.8 | 153.4 | -.0 |
| 16 | 42 | 53 | 4.8291 | 145 | 31 | 30.0382 | 369.6 | 153.2 | -.0 |
| 17 | 42 | 53 | 4.8320 | 145 | 31 | 30.2585 | 369.5 | 153.1 | -.0 |
| 18 | 42 | 53 | 4.8348 | 145 | 31 | 30.4789 | 369.2 | 152.8 | -.0 |
| 19 | 42 | 53 | 4.8376 | 145 | 31 | 30.6992 | 369.9 | 153.5 | -.0 |
| 20 | 42 | 53 | 4.8405 | 145 | 31 | 30.9196 | 369.5 | 153.2 | -.0 |
| 21 | 42 | 53 | 4.8433 | 145 | 31 | 31.1399 | 369.2 | 152.9 | -.0 |
| 22 | 42 | 53 | 4.8490 | 145 | 31 | 31.5806 | 368.2 | 151.9 | -.1 |
| 23 | 42 | 53 | 4.8547 | 145 | 31 | 32.0213 | 367.1 | 150.8 | -.1 |
| 24 | 42 | 53 | 4.8603 | 145 | 31 | 32.4620 | 366.9 | 150.5 | -.0 |
| 25 | 42 | 53 | 4.8660 | 145 | 31 | 32.9027 | 365.9 | 149.6 | -.1 |
| 26 | 42 | 53 | 4.8717 | 145 | 31 | 33.3434 | 367.4 | 151.1 | -.1 |
| 27 | 42 | 53 | 4.7808 | 145 | 31 | 26.2922 | 370.0 | 153.6 | -.0 |
| 28 | 42 | 53 | 4.7751 | 145 | 31 | 25.8515 | 369.5 | 153.1 | -.0 |
| 29 | 42 | 53 | 4.7695 | 145 | 31 | 25.4108 | 369.0 | 152.6 | .0 |
| 30 | 42 | 53 | 4.7638 | 145 | 31 | 24.9701 | 369.4 | 153.0 | .0 |
| 31 | 42 | 53 | 4.7581 | 145 | 31 | 24.5294 | 368.1 | 151.7 | -.0 |
| 32 | 42 | 53 | 4.7865 | 145 | 31 | 26.7329 | 370.0 | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0033
SURVEY NAME :
VOYAGER 19 12700N 14/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000019
GRID NAME : VOYAGER 19
LOCAL 12700N 10000E
AMG 5251020N 379475E
OBS. GRAVITY: 9804389.5
BASE HEIGHT : 177.25

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000019 | 12700 | 10000 | 177.25 | 9804389.5 |
| 2 | G(V19)000558 | 12700 | 9975 | 178.54 | 9804387.5 |
| 3 | G(V19)000559 | 12700 | 9950 | 177.73 | 9804389.9 |
| 4 | G(V19)000560 | 12700 | 9925 | 175.17 | 9804396.2 |
| 5 | G(V19)000561 | 12700 | 9900 | 170.39 | 9804407.1 |
| 6 | G(V19)000562 | 12700 | 9875 | 165.01 | 9804419.1 |
| 7 | G(V19)000563 | 12700 | 9850 | 161.40 | 9804427.6 |
| 8 | G(V19)000564 | 12700 | 9825 | 156.60 | 9804438.2 |
| 9 | G(V19)000565 | 12700 | 9800 | 155.34 | 9804442.3 |
| 10 | G(V19)000566 | 12700 | 9775 | 154.99 | 9804444.0 |
| 11 | G(V19)000567 | 12700 | 9750 | 152.23 | 9804450.6 |
| 12 | G(V19)000568 | 12700 | 9725 | 151.18 | 9804455.3 |
| 13 | G(V19)000569 | 12700 | 9700 | 148.94 | 9804460.5 |
| 14 | G(V19)000570 | 12700 | 9675 | 145.64 | 9804468.1 |
| 15 | G(V19)000571 | 12700 | 9650 | 143.69 | 9804475.3 |
| 16 | G(V19)000572 | 12700 | 9625 | 140.20 | 9804483.0 |
| 17 | G(V19)000573 | 12700 | 9600 | 138.07 | 9804487.1 |
| 18 | G(V19)000574 | 12700 | 9575 | 135.68 | 9804491.3 |
| 19 | G(V19)000575 | 12700 | 9550 | 134.48 | 9804492.8 |
| 20 | G(V19)000576 | 12700 | 9525 | 132.30 | 9804497.8 |
| 21 | G(V19)000577 | 12700 | 9500 | 132.31 | 9804498.5 |
| 22 | G(V19)000019 | 12700 | 10000 | 177.25 | 9804389.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5251020 | 379475 |
| 2 | 5251020 | 379450 |
| 3 | 5251020 | 379425 |
| 4 | 5251020 | 379400 |
| 5 | 5251020 | 379375 |
| 6 | 5251020 | 379350 |
| 7 | 5251020 | 379325 |
| 8 | 5251020 | 379300 |
| 9 | 5251020 | 379275 |
| 10 | 5251020 | 379250 |
| 11 | 5251020 | 379225 |
| 12 | 5251020 | 379200 |
| 13 | 5251020 | 379175 |
| 14 | 5251020 | 379150 |
| 15 | 5251020 | 379125 |
| 16 | 5251020 | 379100 |
| 17 | 5251020 | 379075 |
| 18 | 5251020 | 379050 |
| 19 | 5251020 | 379025 |
| 20 | 5251020 | 379000 |
| 21 | 5251020 | 378975 |
| 22 | 5251020 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 363.8 | 368.6 | 368.3 | 1.79 | 1.90 | 1.80 |
| | 364.4 | 369.0 | 368.5 | 1.60 | 1.80 | 1.80 |
| | 365.2 | 370.0 | 368.6 | 1.35 | 1.90 | 1.90 |
| | 366.3 | 371.4 | 369.5 | 1.25 | 2.00 | 1.90 |
| | 367.5 | 372.1 | 370.7 | 1.27 | 1.80 | 1.80 |
| | 368.6 | 372.3 | 371.6 | 1.19 | 1.50 | 1.50 |
| | 369.8 | 373.3 | 372.4 | 1.02 | 1.40 | 1.30 |
| | 370.7 | 373.4 | 372.9 | .90 | 1.10 | 1.10 |
| | 372.1 | 374.7 | 374.3 | .85 | 1.00 | 1.00 |
| | 373.2 | 375.7 | 375.2 | .81 | 1.00 | 1.00 |
| | 374.2 | 376.7 | 376.2 | .78 | 1.00 | 1.00 |
| | 376.8 | 379.3 | 379.1 | .94 | 1.00 | 1.00 |
| | 377.4 | 379.9 | 379.8 | .97 | 1.00 | 1.00 |
| | 378.3 | 380.6 | 380.6 | .92 | .90 | .90 |
| | 381.6 | 384.1 | 383.4 | .73 | 1.00 | 1.00 |
| | 382.1 | 384.4 | 383.9 | .72 | .90 | .90 |
| | 382.0 | 384.3 | 383.8 | .70 | .90 | .90 |
| | 381.3 | | 382.8 | .60 | 0.00 | 0.00 |
| | 380.4 | | 381.7 | .55 | 0.00 | 0.00 |
| | 380.9 | | 382.3 | .53 | 0.00 | 0.00 |
| | 381.7 | | 383.0 | .52 | 0.00 | 0.00 |
| | 363.8 | 368.6 | 368.3 | 1.79 | 1.90 | 1.80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 368.3 | | |
| 1 | 42 | 53 | 1.5457 | 145 | 31 | 26.8102 | 368.5 | 152.1 | -.1 |
| 2 | 42 | 53 | 1.5315 | 145 | 31 | 25.7085 | 368.6 | 152.3 | -.1 |
| 3 | 42 | 53 | 1.5173 | 145 | 31 | 24.6067 | 369.5 | 153.1 | -.1 |
| 4 | 42 | 53 | 1.5031 | 145 | 31 | 23.5050 | 370.7 | 154.4 | -.0 |
| 5 | 42 | 53 | 1.4889 | 145 | 31 | 22.4033 | 371.6 | 155.2 | -.0 |
| 6 | 42 | 53 | 1.4746 | 145 | 31 | 21.3015 | 372.4 | 156.0 | -.0 |
| 7 | 42 | 53 | 1.4604 | 145 | 31 | 20.1998 | 372.9 | 157.0 | -.4 |
| 8 | 42 | 53 | 1.4462 | 145 | 31 | 19.0981 | 374.3 | 157.8 | .1 |
| 9 | 42 | 53 | 1.4320 | 145 | 31 | 17.9963 | 375.2 | 158.9 | -.0 |
| 10 | 42 | 53 | 1.4177 | 145 | 31 | 16.8946 | 376.2 | 159.8 | -.0 |
| 11 | 42 | 53 | 1.4035 | 145 | 31 | 15.7929 | 379.1 | 162.7 | -.0 |
| 12 | 42 | 53 | 1.3893 | 145 | 31 | 14.6911 | 379.8 | 163.4 | .1 |
| 13 | 42 | 53 | 1.3750 | 145 | 31 | 13.5894 | 380.6 | 164.8 | -.6 |
| 14 | 42 | 53 | 1.3608 | 145 | 31 | 12.4877 | 383.4 | 167.0 | .0 |
| 15 | 42 | 53 | 1.3465 | 145 | 31 | 11.3859 | 383.9 | 167.5 | .0 |
| 16 | 42 | 53 | 1.3323 | 145 | 31 | 10.2842 | 383.8 | 167.3 | .0 |
| 17 | 42 | 53 | 1.3180 | 145 | 31 | 9.1825 | 382.8 | 166.3 | .0 |
| 18 | 42 | 53 | 1.3038 | 145 | 31 | 8.0807 | 381.7 | 165.3 | .0 |
| 19 | 42 | 53 | 1.2895 | 145 | 31 | 6.9790 | 382.3 | 165.8 | .0 |
| 20 | 42 | 53 | 1.2753 | 145 | 31 | 5.8773 | 383.0 | 166.6 | .0 |
| 21 | 42 | 53 | 1.2610 | 145 | 31 | 4.7755 | 368.3 | | |
| 22 | 42 | 53 | 1.5457 | 145 | 31 | 26.8102 | | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0034
SURVEY NAME :
VOYAGER 19 12700N 14/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000019
GRID NAME : VOYAGER 19
LOCAL 12700N 10000E
AMG 5251020N 379475E
OBS. GRAVITY: 9804389.5
BASE HEIGHT : 177.25

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000019 | 12700 | 10000 | 177.25 | 9804389.5 |
| 2 | G(V19)000578 | 12700 | 10025 | 182.78 | 9804378.0 |
| 3 | G(V19)000579 | 12700 | 10050 | 190.29 | 9804360.6 |
| 4 | G(V19)000580 | 12700 | 10075 | 195.31 | 9804348.8 |
| 5 | G(V19)000581 | 12700 | 10100 | 200.12 | 9804337.2 |
| 6 | G(V19)000582 | 12700 | 10125 | 206.39 | 9804321.7 |
| 7 | G(V19)000583 | 12700 | 10150 | 216.11 | 9804295.8 |
| 8 | G(V19)000584 | 12700 | 10175 | 214.31 | 9804300.1 |
| 9 | G(V19)000585 | 12700 | 10200 | 205.69 | 9804320.0 |
| 10 | G(V19)000586 | 12700 | 10225 | 197.76 | 9804337.6 |
| 11 | G(V19)000587 | 12700 | 10250 | 190.71 | 9804352.8 |
| 12 | G(V19)000588 | 12700 | 10275 | 181.62 | 9804370.5 |
| 13 | G(V19)000589 | 12700 | 10300 | 177.38 | 9804379.9 |
| 14 | G(V19)000590 | 12700 | 10325 | 173.63 | 9804387.5 |
| 15 | G(V19)000591 | 12700 | 10350 | 171.35 | 9804391.3 |
| 16 | G(V19)000019 | 12700 | 10000 | 177.25 | 9804389.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5251020 | 379475 |
| 2 | 5251020 | 379500 |
| 3 | 5251020 | 379525 |
| 4 | 5251020 | 379550 |
| 5 | 5251020 | 379575 |
| 6 | 5251020 | 379600 |
| 7 | 5251020 | 379625 |
| 8 | 5251020 | 379650 |
| 9 | 5251020 | 379675 |
| 10 | 5251020 | 379700 |
| 11 | 5251020 | 379725 |
| 12 | 5251020 | 379750 |
| 13 | 5251020 | 379775 |
| 14 | 5251020 | 379800 |
| 15 | 5251020 | 379825 |
| 16 | 5251020 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 363.8 | 368.6 | 368.3 | 1.79 | 1.90 | 1.80 |
| 2 | 363.5 | 369.3 | 369.3 | 2.30 | 2.30 | 2.20 |
| 3 | 361.4 | 369.2 | 368.0 | 2.62 | 3.10 | 3.00 |
| 4 | 359.8 | 368.4 | 368.2 | 3.32 | 3.40 | 3.40 |
| 5 | 357.9 | 367.5 | 366.6 | 3.46 | 3.80 | 3.70 |
| 6 | 355.2 | 366.8 | 367.8 | 5.00 | 4.60 | 4.50 |
| 7 | 349.0 | 365.2 | 361.8 | 5.07 | 6.40 | 6.30 |
| 8 | 349.6 | 363.7 | 365.2 | 6.20 | 5.60 | 5.50 |
| 9 | 352.0 | 365.1 | 364.7 | 5.03 | 5.20 | 5.10 |
| 10 | 353.6 | 365.7 | 361.9 | 3.30 | 4.80 | 4.70 |
| 11 | 354.4 | 365.5 | 361.9 | 2.95 | 4.40 | 4.20 |
| 12 | 353.6 | 364.2 | 361.7 | 3.20 | 4.20 | 4.10 |
| 13 | 354.5 | 363.3 | 359.6 | 2.05 | 3.50 | 3.40 |
| 14 | 354.4 | 362.0 | 359.3 | 1.95 | 3.00 | 2.90 |
| 15 | 353.6 | 360.1 | 358.6 | 2.00 | 2.60 | 2.50 |
| 16 | 363.8 | 368.6 | 368.3 | 1.79 | 1.90 | 1.80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 1.5457 | 145 | 31 | 26.8102 |
| 2 | 42 | 53 | 1.5599 | 145 | 31 | 27.9119 |
| 3 | 42 | 53 | 1.5741 | 145 | 31 | 29.0137 |
| 4 | 42 | 53 | 1.5883 | 145 | 31 | 30.1154 |
| 5 | 42 | 53 | 1.6025 | 145 | 31 | 31.2172 |
| 6 | 42 | 53 | 1.6167 | 145 | 31 | 32.3189 |
| 7 | 42 | 53 | 1.6309 | 145 | 31 | 33.4206 |
| 8 | 42 | 53 | 1.6451 | 145 | 31 | 34.5224 |
| 9 | 42 | 53 | 1.6593 | 145 | 31 | 35.6241 |
| 10 | 42 | 53 | 1.6734 | 145 | 31 | 36.7258 |
| 11 | 42 | 53 | 1.6876 | 145 | 31 | 37.8276 |
| 12 | 42 | 53 | 1.7018 | 145 | 31 | 38.9293 |
| 13 | 42 | 53 | 1.7160 | 145 | 31 | 40.0311 |
| 14 | 42 | 53 | 1.7301 | 145 | 31 | 41.1328 |
| 15 | 42 | 53 | 1.7443 | 145 | 31 | 42.2345 |
| 16 | 42 | 53 | 1.5457 | 145 | 31 | 26.8102 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 368.3 | | |
| | 369.3 | 153.0 | -.1 |
| | 368.0 | 151.6 | -.1 |
| | 368.2 | 151.9 | -.1 |
| | 366.6 | 150.4 | -.1 |
| | 367.8 | 151.5 | -.1 |
| | 361.8 | 145.6 | -.1 |
| | 365.2 | 148.9 | -.1 |
| | 364.7 | 148.4 | -.1 |
| | 361.9 | 145.6 | -.1 |
| | 361.9 | 145.6 | -.1 |
| | 361.7 | 145.4 | -.1 |
| | 359.6 | 143.3 | -.1 |
| | 359.3 | 143.0 | -.1 |
| | 358.6 | 142.2 | .0 |
| | 368.3 | | |

052

044053

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0035
SURVEY NAME :
VOYAGER 19 12700N 30/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000573
GRID NAME : VOYAGER 19
LOCAL 12700N 9600E
AMG 5251020N 379075E
OBS. GRAVITY: 9804487.2
BASE HEIGHT : 138.07

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000573 | 12700 | 9600 | 138.07 | 9804487.2 |
| 2 | G(V19)000592 | 12700 | 9595 | 137.32 | 9804487.5 |
| 3 | G(V19)000593 | 12700 | 9590 | 136.85 | 9804488.6 |
| 4 | G(V19)000594 | 12700 | 9585 | 136.48 | 9804489.2 |
| 5 | G(V19)000595 | 12700 | 9580 | 136.12 | 9804489.5 |
| 6 | G(V19)000574 | 12700 | 9575 | 135.68 | 9804489.9 |
| 7 | G(V19)000596 | 12700 | 9570 | 135.23 | 9804490.7 |
| 8 | G(V19)000597 | 12700 | 9565 | 135.11 | 9804491.2 |
| 9 | G(V19)000598 | 12700 | 9560 | 134.74 | 9804491.6 |
| 10 | G(V19)000599 | 12700 | 9555 | 134.56 | 9804491.7 |
| 11 | G(V19)000575 | 12700 | 9550 | 134.48 | 9804491.4 |
| 12 | G(V19)000600 | 12700 | 9540 | 133.28 | 9804493.2 |
| 13 | G(V19)000601 | 12700 | 9530 | 132.71 | 9804495.9 |
| 14 | G(V19)000602 | 12700 | 9520 | 132.25 | 9804496.7 |
| 15 | G(V19)000603 | 12700 | 9510 | 132.42 | 9804496.7 |
| 16 | G(V19)000577 | 12700 | 9500 | 132.31 | 9804497.0 |
| 17 | G(V19)000573 | 12700 | 9600 | 138.07 | 9804487.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251020 | 379075 |
| 2 | 5251020 | 379070 |
| 3 | 5251020 | 379065 |
| 4 | 5251020 | 379060 |
| 5 | 5251020 | 379055 |
| 6 | 5251020 | 379050 |
| 7 | 5251020 | 379045 |
| 8 | 5251020 | 379040 |
| 9 | 5251020 | 379035 |
| 10 | 5251020 | 379030 |
| 11 | 5251020 | 379025 |
| 12 | 5251020 | 379015 |
| 13 | 5251020 | 379005 |
| 14 | 5251020 | 378995 |
| 15 | 5251020 | 378985 |
| 16 | 5251020 | 378975 |
| 17 | 5251020 | 379075 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 382.0 | 384.3 | 383.8 | .70 | .90 | .90 |
| | 380.8 | | 382.6 | .69 | 0.00 | 0.00 |
| | 381.0 | | 382.7 | .67 | 0.00 | 0.00 |
| | 380.9 | | 382.5 | .63 | 0.00 | 0.00 |
| | 380.4 | | 382.0 | .60 | 0.00 | 0.00 |
| | 379.9 | | 381.4 | .60 | 0.00 | 0.00 |
| | 379.8 | | 381.2 | .58 | 0.00 | 0.00 |
| | 380.0 | | 381.5 | .57 | 0.00 | 0.00 |
| | 379.7 | | 381.2 | .56 | 0.00 | 0.00 |
| | 379.5 | | 380.9 | .55 | 0.00 | 0.00 |
| | 379.0 | | 380.3 | .55 | 0.00 | 0.00 |
| | 378.4 | | 379.7 | .53 | 0.00 | 0.00 |
| | 379.9 | | 381.2 | .53 | 0.00 | 0.00 |
| | 379.7 | | 381.0 | .52 | 0.00 | 0.00 |
| | 380.1 | | 381.4 | .52 | 0.00 | 0.00 |
| | 380.2 | | 381.5 | .52 | 0.00 | 0.00 |
| | 382.0 | 384.3 | 383.8 | .70 | .90 | .90 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 1.3180 | 145 | 31 | 9.1825 |
| 2 | 42 | 53 | 1.3152 | 145 | 31 | 8.9621 |
| 3 | 42 | 53 | 1.3123 | 145 | 31 | 8.7418 |
| 4 | 42 | 53 | 1.3095 | 145 | 31 | 8.5214 |
| 5 | 42 | 53 | 1.3066 | 145 | 31 | 8.3011 |
| 6 | 42 | 53 | 1.3038 | 145 | 31 | 8.0807 |
| 7 | 42 | 53 | 1.3009 | 145 | 31 | 7.8604 |
| 8 | 42 | 53 | 1.2981 | 145 | 31 | 7.6400 |
| 9 | 42 | 53 | 1.2952 | 145 | 31 | 7.4197 |
| 10 | 42 | 53 | 1.2924 | 145 | 31 | 7.1993 |
| 11 | 42 | 53 | 1.2895 | 145 | 31 | 6.9790 |
| 12 | 42 | 53 | 1.2838 | 145 | 31 | 6.5383 |
| 13 | 42 | 53 | 1.2781 | 145 | 31 | 6.0976 |
| 14 | 42 | 53 | 1.2724 | 145 | 31 | 5.6569 |
| 15 | 42 | 53 | 1.2667 | 145 | 31 | 5.2162 |
| 16 | 42 | 53 | 1.2610 | 145 | 31 | 4.7755 |
| 17 | 42 | 53 | 1.3180 | 145 | 31 | 9.1825 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 383.8 | | |
| | 382.6 | 166.1 | .1 |
| | 382.7 | 166.2 | .1 |
| | 382.5 | 166.0 | .1 |
| | 382.0 | 165.5 | .1 |
| | 381.4 | 165.3 | -.3 |
| | 381.2 | 164.7 | .1 |
| | 381.5 | 165.0 | .1 |
| | 381.2 | 164.7 | .1 |
| | 380.9 | 164.4 | .1 |
| | 380.3 | 163.9 | .1 |
| | 379.7 | 163.2 | .1 |
| | 381.2 | 164.7 | .1 |
| | 381.0 | 164.6 | .1 |
| | 381.4 | 164.9 | .1 |
| | 381.5 | 165.0 | .1 |
| | 383.8 | | |

U53

044054

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0036
SURVEY NAME :
VOYAGER 19 12700N 1/12/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000573
GRID NAME : VOYAGER 19
LOCAL 12700N 9600E
AMG 5251020N 379075E
OBS. GRAVITY: 9804487.2
BASE HEIGHT : 138.07

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000573 | 12700 | 9600 | 138.07 | 9804487.2 |
| 2 | G(V19)000604 | 12700 | 9605 | 138.37 | 9804485.8 |
| 3 | G(V19)000605 | 12700 | 9610 | 138.94 | 9804484.6 |
| 4 | G(V19)000606 | 12700 | 9615 | 139.52 | 9804483.9 |
| 5 | G(V19)000607 | 12700 | 9620 | 139.80 | 9804483.6 |
| 6 | G(V19)000572 | 12700 | 9625 | 140.20 | 9804481.4 |
| 7 | G(V19)000608 | 12700 | 9630 | 141.22 | 9804480.5 |
| 8 | G(V19)000609 | 12700 | 9635 | 141.68 | 9804479.1 |
| 9 | G(V19)000610 | 12700 | 9640 | 142.11 | 9804477.5 |
| 10 | G(V19)000611 | 12700 | 9645 | 143.09 | 9804475.6 |
| 11 | G(V19)000571 | 12700 | 9650 | 143.69 | 9804474.7 |
| 12 | G(V19)000612 | 12700 | 9660 | 145.01 | 9804472.0 |
| 13 | G(V19)000613 | 12700 | 9670 | 145.53 | 9804468.3 |
| 14 | G(V19)000614 | 12700 | 9680 | 146.19 | 9804466.7 |
| 15 | G(V19)000615 | 12700 | 9690 | 147.25 | 9804465.1 |
| 16 | G(V19)000569 | 12700 | 9700 | 148.94 | 9804460.6 |
| 17 | G(V19)000573 | 12700 | 9600 | 138.07 | 9804487.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251020 | 379075 |
| 2 | 5251020 | 379080 |
| 3 | 5251020 | 379085 |
| 4 | 5251020 | 379090 |
| 5 | 5251020 | 379095 |
| 6 | 5251020 | 379100 |
| 7 | 5251020 | 379105 |
| 8 | 5251020 | 379110 |
| 9 | 5251020 | 379115 |
| 10 | 5251020 | 379120 |
| 11 | 5251020 | 379125 |
| 12 | 5251020 | 379135 |
| 13 | 5251020 | 379145 |
| 14 | 5251020 | 379155 |
| 15 | 5251020 | 379165 |
| 16 | 5251020 | 379175 |
| 17 | 5251020 | 379075 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 382.0 | 384.3 | 383.8 | .70 | .90 | .90 |
| | 381.2 | | 383.0 | .70 | 0.00 | 0.00 |
| | 381.3 | | 383.1 | .71 | 0.00 | 0.00 |
| | 381.7 | | 383.5 | .71 | 0.00 | 0.00 |
| | 382.0 | | 383.8 | .72 | 0.00 | 0.00 |
| | 380.6 | 382.8 | 382.4 | .72 | .90 | .90 |
| | 381.7 | | 383.5 | .72 | 0.00 | 0.00 |
| | 381.3 | | 383.1 | .73 | 0.00 | 0.00 |
| | 380.5 | | 382.4 | .73 | 0.00 | 0.00 |
| | 380.6 | | 382.4 | .73 | 0.00 | 0.00 |
| | 381.0 | 383.5 | 382.8 | .73 | 1.00 | 1.00 |
| | 380.9 | | 382.9 | .78 | 0.00 | 0.00 |
| | 378.3 | | 380.4 | .83 | 0.00 | 0.00 |
| | 378.0 | | 380.2 | .86 | 0.00 | 0.00 |
| | 378.5 | | 380.8 | .90 | 0.00 | 0.00 |
| | 377.5 | 380.0 | 379.9 | .97 | 1.00 | 1.00 |
| | 382.0 | 384.3 | 383.8 | .70 | .90 | .90 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 53 | 1.3180 | 145 | 31 | 9.1825 |
| 2 | 42 | 53 | 1.3209 | 145 | 31 | 9.4028 |
| 3 | 42 | 53 | 1.3237 | 145 | 31 | 9.6232 |
| 4 | 42 | 53 | 1.3266 | 145 | 31 | 9.8435 |
| 5 | 42 | 53 | 1.3294 | 145 | 31 | 10.0638 |
| 6 | 42 | 53 | 1.3323 | 145 | 31 | 10.2842 |
| 7 | 42 | 53 | 1.3351 | 145 | 31 | 10.5045 |
| 8 | 42 | 53 | 1.3380 | 145 | 31 | 10.7249 |
| 9 | 42 | 53 | 1.3408 | 145 | 31 | 10.9452 |
| 10 | 42 | 53 | 1.3437 | 145 | 31 | 11.1656 |
| 11 | 42 | 53 | 1.3465 | 145 | 31 | 11.3859 |
| 12 | 42 | 53 | 1.3522 | 145 | 31 | 11.8266 |
| 13 | 42 | 53 | 1.3579 | 145 | 31 | 12.2673 |
| 14 | 42 | 53 | 1.3636 | 145 | 31 | 12.7080 |
| 15 | 42 | 53 | 1.3693 | 145 | 31 | 13.1487 |
| 16 | 42 | 53 | 1.3750 | 145 | 31 | 13.5894 |
| 17 | 42 | 53 | 1.3180 | 145 | 31 | 9.1825 |

| BOUGUER GRAVITY HAMMER | SUMPTON A-216.4 | |
|---|---|---|
| 383.8 | - | |
| 383.0 | 166.5 | .1 |
| 383.1 | 166.6 | .1 |
| 383.5 | 167.1 | .1 |
| 383.8 | 167.3 | .1 |
| 382.4 | 166.3 | -.3 |
| 383.5 | 167.1 | .1 |
| 383.1 | 166.7 | .1 |
| 382.4 | 165.9 | .1 |
| 382.4 | 166.0 | .1 |
| 382.8 | 166.4 | .1 |
| 382.9 | 166.4 | .0 |
| 380.4 | 163.9 | .0 |
| 380.2 | 163.7 | .0 |
| 380.8 | 164.4 | .0 |
| 379.9 | 163.5 | .0 |
| 383.8 | | |

054

044055

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0037
SURVEY NAME :
VOYAGER 19 12750N 1/12/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000018
GRID NAME : VOYAGER 19
LOCAL 12750N 10000E
AMG 5251070N 379475E
OBS. GRAVITY: 9804397.3
BASE HEIGHT : 173.6

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000018 | 12750 | 10000 | 173.60 | 9804397.3 |
| 2 | G(V19)000616 | 12750 | 9800 | 154.40 | 9804447.0 |
| 3 | G(V19)000617 | 12750 | 9775 | 152.49 | 9804452.0 |
| 4 | G(V19)000618 | 12750 | 9750 | 149.60 | 9804458.8 |
| 5 | G(V19)000619 | 12750 | 9700 | 146.68 | 9804466.2 |
| 6 | G(V19)000620 | 12750 | 9675 | 148.54 | 9804462.4 |
| 7 | G(V19)000621 | 12750 | 9650 | 146.27 | 9804467.7 |
| 8 | G(V19)000622 | 12750 | 9625 | 141.78 | 9804477.4 |
| 9 | G(V19)000623 | 12750 | 9600 | 137.81 | 9804485.7 |
| 10 | G(V19)000624 | 12750 | 9575 | 136.73 | 9804487.3 |
| 11 | G(V19)000625 | 12750 | 9550 | 136.73 | 9804486.5 |
| 12 | G(V19)000626 | 12750 | 9525 | 135.76 | 9804488.5 |
| 13 | G(V19)000627 | 12750 | 9500 | 133.31 | 9804495.0 |
| 14 | G(V19)000616 | 12750 | 9800 | 154.40 | 9804447.0 |

| | AMG N | E |
|---|---|---|
| 1 | 5251070 | 379475 |
| 2 | 5251070 | 379275 |
| 3 | 5251070 | 379250 |
| 4 | 5251070 | 379225 |
| 5 | 5251070 | 379175 |
| 6 | 5251070 | 379150 |
| 7 | 5251070 | 379125 |
| 8 | 5251070 | 379100 |
| 9 | 5251070 | 379075 |
| 10 | 5251070 | 379050 |
| 11 | 5251070 | 379025 |
| 12 | 5251070 | 379000 |
| 13 | 5251070 | 378975 |
| 14 | 5251070 | 379275 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| 1 | 364.6 | 368.9 | 368.6 |
| 2 | 375.3 | 377.8 | 377.5 |
| 3 | 376.5 | 379.0 | 378.7 |
| 4 | 377.5 | 379.7 | 379.8 |
| 5 | 378.9 | 381.2 | 381.0 |
| 6 | 378.9 | 381.7 | 381.0 |
| 7 | 379.6 | 382.6 | 381.7 |
| 8 | 380.2 | 382.7 | 382.2 |
| 9 | 380.5 | 382.7 | 382.3 |
| 10 | 379.9 | | 381.4 |
| 11 | 379.0 | | 380.4 |
| 12 | 379.0 | | 380.3 |
| 13 | 380.6 | | 381.8 |
| 14 | 375.3 | 377.8 | 377.5 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| 1 | 1.57 | 1.70 | 1.70 |
| | .86 | 1.00 | 1.00 |
| | .87 | 1.00 | 1.00 |
| | .92 | .90 | .90 |
| | .80 | .90 | .90 |
| | .81 | 1.10 | 1.10 |
| | .82 | 1.20 | 1.20 |
| | .78 | 1.00 | 1.00 |
| | .74 | .90 | .80 |
| | .62 | 0.00 | 0.00 |
| | .55 | 0.00 | 0.00 |
| | .50 | 0.00 | 0.00 |
| | .45 | 0.00 | 0.00 |
| | .86 | 1.00 | 1.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 59.9253 | 145 | 31 | 26.8488 |
| 2 | 42 | 52 | 59.8116 | 145 | 31 | 18.0350 |
| 3 | 42 | 52 | 59.7973 | 145 | 31 | 16.9333 |
| 4 | 42 | 52 | 59.7831 | 145 | 31 | 15.8316 |
| 5 | 42 | 52 | 59.7546 | 145 | 31 | 13.6281 |
| 6 | 42 | 52 | 59.7404 | 145 | 31 | 12.5264 |
| 7 | 42 | 52 | 59.7261 | 145 | 31 | 11.4247 |
| 8 | 42 | 52 | 59.7119 | 145 | 31 | 10.3229 |
| 9 | 42 | 52 | 59.6976 | 145 | 31 | 9.2212 |
| 10 | 42 | 52 | 59.6834 | 145 | 31 | 8.1195 |
| 11 | 42 | 52 | 59.6691 | 145 | 31 | 7.0178 |
| 12 | 42 | 52 | 59.6549 | 145 | 31 | 5.9161 |
| 13 | 42 | 52 | 59.6406 | 145 | 31 | 4.8143 |
| 14 | 42 | 52 | 59.8116 | 145 | 31 | 18.0350 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| | 368.6 | | |
| | 377.5 | 161.5 | -.4 |
| | 378.7 | 162.7 | -.4 |
| | 379.8 | 163.8 | -.4 |
| | 381.0 | 165.0 | -.4 |
| | 381.0 | 164.9 | -.4 |
| | 381.7 | 165.6 | -.4 |
| | 382.2 | 166.2 | -.4 |
| | 382.3 | 166.3 | -.4 |
| | 381.4 | 165.4 | -.4 |
| | 380.4 | 164.4 | -.4 |
| | 380.3 | 164.3 | -.4 |
| | 381.8 | 165.7 | -.4 |
| | 377.5 | | |

05

044056

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0038
SURVEY NAME :
VOYAGER 19 12800N 30/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000628
GRID NAME : VOYAGER 19
LOCAL 12800N 9600E
AMG 5251120N 379075E
OBS. GRAVITY: 9804488.4
BASE HEIGHT : 134.57

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000628 | 12800 | 9600 | 134.57 | 9804488.4 |
| 2 | G(V19)000629 | 12800 | 9590 | 133.92 | 9804490.0 |
| 3 | G(V19)000630 | 12800 | 9585 | 133.60 | 9804490.3 |
| 4 | G(V19)000631 | 12800 | 9575 | 133.06 | 9804490.8 |
| 5 | G(V19)000632 | 12800 | 9560 | 132.44 | 9804492.6 |
| 6 | G(V19)000633 | 12800 | 9555 | 132.24 | 9804492.6 |
| 7 | G(V19)000634 | 12800 | 9550 | 132.18 | 9804492.9 |
| 8 | G(V19)000635 | 12800 | 9540 | 131.60 | 9804494.3 |
| 9 | G(V19)000636 | 12800 | 9530 | 131.00 | 9804496.7 |
| 10 | G(V19)000637 | 12800 | 9520 | 130.58 | 9804496.8 |
| 11 | G(V19)000638 | 12800 | 9510 | 130.15 | 9804499.0 |
| 12 | G(V19)000639 | 12800 | 9500 | 129.83 | 9804500.5 |
| 13 | G(V19)000628 | 12800 | 9600 | 134.57 | 9804488.4 |

| | AMG N | E |
|---|---|---|
| 1 | 5251120 | 379075 |
| 2 | 5251120 | 379065 |
| 3 | 5251120 | 379060 |
| 4 | 5251120 | 379050 |
| 5 | 5251120 | 379035 |
| 6 | 5251120 | 379030 |
| 7 | 5251120 | 379025 |
| 8 | 5251120 | 379015 |
| 9 | 5251120 | 379005 |
| 10 | 5251120 | 378995 |
| 11 | 5251120 | 378985 |
| 12 | 5251120 | 378975 |
| 13 | 5251120 | 379075 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 377.0 | 379.0 | 378.7 | .70 | .80 | .80 |
| | 377.3 | | 379.0 | .68 | 0.00 | 0.00 |
| | 376.9 | | 378.6 | .65 | 0.00 | 0.00 |
| | 376.3 | | 377.8 | .62 | 0.00 | 0.00 |
| | 376.8 | | 378.3 | .58 | 0.00 | 0.00 |
| | 376.5 | | 377.9 | .57 | 0.00 | 0.00 |
| | 376.6 | | 378.1 | .57 | 0.00 | 0.00 |
| | 376.8 | | 378.2 | .57 | 0.00 | 0.00 |
| | 378.0 | | 379.4 | .55 | 0.00 | 0.00 |
| | 377.3 | | 378.6 | .52 | 0.00 | 0.00 |
| | 378.6 | | 379.8 | .49 | 0.00 | 0.00 |
| | 379.5 | | 380.7 | .47 | 0.00 | 0.00 |
| | 377.0 | 379.0 | 378.7 | .70 | .80 | .80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 58.0772 | 145 | 31 | 9.2600 |
| 2 | 42 | 52 | 58.0715 | 145 | 31 | 8.8193 |
| 3 | 42 | 52 | 58.0687 | 145 | 31 | 8.5990 |
| 4 | 42 | 52 | 58.0630 | 145 | 31 | 8.1583 |
| 5 | 42 | 52 | 58.0544 | 145 | 31 | 7.4972 |
| 6 | 42 | 52 | 58.0516 | 145 | 31 | 7.2769 |
| 7 | 42 | 52 | 58.0487 | 145 | 31 | 7.0566 |
| 8 | 42 | 52 | 58.0430 | 145 | 31 | 6.6159 |
| 9 | 42 | 52 | 58.0373 | 145 | 31 | 6.1752 |
| 10 | 42 | 52 | 58.0316 | 145 | 31 | 5.7345 |
| 11 | 42 | 52 | 58.0259 | 145 | 31 | 5.2938 |
| 12 | 42 | 52 | 58.0202 | 145 | 31 | 4.8531 |
| 13 | 42 | 52 | 58.0772 | 145 | 31 | 9.2600 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 378.7 | | |
| | 379.0 | 162.5 | .1 |
| | 378.6 | 162.1 | .1 |
| | 377.8 | 161.3 | .1 |
| | 378.3 | 161.9 | .1 |
| | 377.9 | 161.4 | .1 |
| | 378.1 | 161.6 | .1 |
| | 378.2 | 161.8 | .1 |
| | 379.4 | 162.9 | .1 |
| | 378.6 | 162.1 | .1 |
| | 379.8 | 163.4 | .1 |
| | 380.7 | 164.2 | .1 |
| | 378.7 | | |

056

044057

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0039
SURVEY NAME :
VOYAGER 19 12800N 30/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000640
GRID NAME : VOYAGER 19
LOCAL 12800N 9700E
AMG 5251120N 379175E
OBS. GRAVITY: 9804469.6
BASE HEIGHT : 143.29

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000640 | 12800 | 9700 | 143.29 | 9804469.6 |
| 2 | G(V19)000641 | 12800 | 9690 | 142.14 | 9804471.0 |
| 3 | G(V19)000642 | 12800 | 9660 | 138.92 | 9804478.3 |
| 4 | G(V19)000643 | 12800 | 9650 | 138.60 | 9804479.1 |
| 5 | G(V19)000644 | 12800 | 9635 | 137.38 | 9804480.6 |
| 6 | G(V19)000645 | 12800 | 9630 | 136.45 | 9804483.3 |
| 7 | G(V19)000646 | 12800 | 9625 | 135.93 | 9804485.0 |
| 8 | G(V19)000647 | 12800 | 9620 | 135.79 | 9804484.5 |
| 9 | G(V19)000648 | 12800 | 9615 | 135.42 | 9804485.3 |
| 10 | G(V19)000649 | 12800 | 9605 | 134.97 | 9804485.7 |
| 11 | G(V19)000628 | 12800 | 9600 | 134.57 | 9804486.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5251120 | 379175 |
| 2 | 5251120 | 379165 |
| 3 | 5251120 | 379135 |
| 4 | 5251120 | 379125 |
| 5 | 5251120 | 379110 |
| 6 | 5251120 | 379105 |
| 7 | 5251120 | 379100 |
| 8 | 5251120 | 379095 |
| 9 | 5251120 | 379090 |
| 10 | 5251120 | 379080 |
| 11 | 5251120 | 379075 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 375.8 | 378.1 | 377.8 | .79 | .90 | .90 |
| 2 | 374.9 | | 377.0 | .80 | 0.00 | 0.00 |
| 3 | 375.7 | | 377.6 | .75 | 0.00 | 0.00 |
| 4 | 375.8 | 378.1 | 377.7 | .73 | .90 | .90 |
| 5 | 374.9 | | 376.8 | .77 | 0.00 | 0.00 |
| 6 | 375.6 | | 377.7 | .80 | 0.00 | 0.00 |
| 7 | 376.3 | 378.6 | 378.4 | .82 | .90 | .80 |
| 8 | 375.5 | | 377.5 | .77 | 0.00 | 0.00 |
| 9 | 375.6 | | 377.4 | .73 | 0.00 | 0.00 |
| 10 | 375.1 | | 376.9 | .70 | 0.00 | 0.00 |
| 11 | 375.1 | 377.1 | 376.9 | .70 | .80 | .80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 58.1342 | 145 | 31 | 13.6669 |
| 2 | 42 | 52 | 58.1285 | 145 | 31 | 13.2262 |
| 3 | 42 | 52 | 58.1114 | 145 | 31 | 11.9041 |
| 4 | 42 | 52 | 58.1057 | 145 | 31 | 11.4634 |
| 5 | 42 | 52 | 58.0972 | 145 | 31 | 10.8024 |
| 6 | 42 | 52 | 58.0943 | 145 | 31 | 10.5820 |
| 7 | 42 | 52 | 58.0915 | 145 | 31 | 10.3617 |
| 8 | 42 | 52 | 58.0886 | 145 | 31 | 10.1414 |
| 9 | 42 | 52 | 58.0858 | 145 | 31 | 9.9210 |
| 10 | 42 | 52 | 58.0801 | 145 | 31 | 9.4803 |
| 11 | 42 | 52 | 58.0772 | 145 | 31 | 9.2600 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 377.8 | | |
| | 377.0 | 162.4 | -1.8 |
| | 377.6 | 163.0 | -1.8 |
| | 377.7 | 163.1 | -1.8 |
| | 376.8 | 162.1 | -1.7 |
| | 377.7 | 163.1 | -1.8 |
| | 378.4 | 163.8 | -1.8 |
| | 377.5 | 162.9 | -1.8 |
| | 377.4 | 162.8 | -1.8 |
| | 376.9 | 162.3 | -1.8 |
| | 376.9 | 162.3 | -1.8 |

J57

044058

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0040
SURVEY NAME :
VOYAGER 19 12800N 14/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000017
GRID NAME : VOYAGER 19
LOCAL 12800N 10000E
AMG 5251120N 379475E
OBS. GRAVITY: 9804398.5
BASE HEIGHT : 172.4

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000017 | 12800 | 10000 | 172.40 | 9804398.5 |
| 2 | G(V19)000650 | 12800 | 9975 | 165.06 | 9804414.7 |
| 3 | G(V19)000651 | 12800 | 9950 | 167.54 | 9804409.8 |
| 4 | G(V19)000652 | 12800 | 9925 | 165.68 | 9804414.6 |
| 5 | G(V19)000653 | 12800 | 9900 | 161.96 | 9804423.0 |
| 6 | G(V19)000654 | 12800 | 9875 | 158.67 | 9804431.1 |
| 7 | G(V19)000655 | 12800 | 9850 | 156.90 | 9804435.7 |
| 8 | G(V19)000656 | 12800 | 9825 | 154.95 | 9804440.2 |
| 9 | G(V19)000657 | 12800 | 9800 | 153.28 | 9804445.6 |
| 10 | G(V19)000658 | 12800 | 9775 | 151.54 | 9804449.2 |
| 11 | G(V19)000659 | 12800 | 9750 | 148.98 | 9804455.8 |
| 12 | G(V19)000660 | 12800 | 9725 | 145.97 | 9804463.9 |
| 13 | G(V19)000640 | 12800 | 9700 | 143.29 | 9804469.6 |
| 14 | G(V19)000661 | 12800 | 9675 | 139.97 | 9804476.8 |
| 15 | G(V19)000643 | 12800 | 9650 | 138.60 | 9804479.6 |
| 16 | G(V19)000646 | 12800 | 9625 | 135.86 | 9804485.3 |
| 17 | G(V19)000628 | 12800 | 9600 | 134.57 | 9804488.4 |
| 18 | G(V19)000631 | 12800 | 9575 | 133.03 | 9804490.1 |
| 19 | G(V19)000634 | 12800 | 9550 | 132.17 | 9804492.4 |
| 20 | G(V19)000662 | 12800 | 9525 | 130.82 | 9804496.3 |
| 21 | G(V19)000639 | 12800 | 9500 | 129.83 | 9804499.9 |
| 22 | G(V19)000017 | 12800 | 10000 | 172.40 | 9804398.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5251120 | 379475 |
| 2 | 5251120 | 379450 |
| 3 | 5251120 | 379425 |
| 4 | 5251120 | 379400 |
| 5 | 5251120 | 379375 |
| 6 | 5251120 | 379350 |
| 7 | 5251120 | 379325 |
| 8 | 5251120 | 379300 |
| 9 | 5251120 | 379275 |
| 10 | 5251120 | 379250 |
| 11 | 5251120 | 379225 |
| 12 | 5251120 | 379200 |
| 13 | 5251120 | 379175 |
| 14 | 5251120 | 379150 |
| 15 | 5251120 | 379125 |
| 16 | 5251120 | 379100 |
| 17 | 5251120 | 379075 |
| 18 | 5251120 | 379050 |
| 19 | 5251120 | 379025 |
| 20 | 5251120 | 379000 |
| 21 | 5251120 | 378975 |
| 22 | 5251120 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| | 363.8 | 368.3 | 368.1 |
| | 365.1 | 369.1 | 368.8 |
| | 365.3 | 368.8 | 368.3 |
| | 366.2 | 369.7 | 369.2 |
| | 367.1 | 370.4 | 370.1 |
| | 368.6 | 371.3 | 371.1 |
| | 369.6 | 372.1 | 371.5 |
| | 370.1 | 372.6 | 372.1 |
| | 372.1 | 374.7 | 374.2 |
| | 372.2 | 374.7 | 374.2 |
| | 373.6 | 376.1 | 375.9 |
| | 375.6 | 377.9 | 377.7 |
| | 375.9 | 378.1 | 377.9 |
| | 376.3 | 378.8 | 378.3 |
| | 376.4 | 378.6 | 378.2 |
| | 376.5 | 378.8 | 378.6 |
| | 377.0 | 379.0 | 378.7 |
| | 375.6 | | 377.1 |
| | 376.1 | | 377.5 |
| | 377.2 | | 378.6 |
| | 378.9 | | 380.0 |
| | 363.8 | 368.3 | 368.1 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | 1.70 | 1.80 | 1.80 |
| | 1.45 | 1.60 | 1.60 |
| | 1.20 | 1.40 | 1.40 |
| | 1.20 | 1.40 | 1.40 |
| | 1.18 | 1.30 | 1.20 |
| | 1.00 | 1.10 | 1.10 |
| | .79 | 1.00 | 1.00 |
| | .78 | 1.00 | 1.00 |
| | .80 | 1.00 | 1.00 |
| | .82 | 1.00 | 1.00 |
| | .90 | 1.00 | .90 |
| | .85 | .90 | .90 |
| | .79 | .90 | .90 |
| | .80 | 1.00 | .90 |
| | .73 | .90 | .90 |
| | .82 | .90 | .80 |
| | .70 | .80 | .80 |
| | .62 | 0.00 | 0.00 |
| | .57 | 0.00 | 0.00 |
| | .54 | 0.00 | 0.00 |
| | .47 | 0.00 | 0.00 |
| | 1.70 | 1.80 | 1.80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 58.3049 | 145 | 31 | 26.8875 |
| 2 | 42 | 52 | 58.2907 | 145 | 31 | 25.7858 |
| 3 | 42 | 52 | 58.2765 | 145 | 31 | 24.6840 |
| 4 | 42 | 52 | 58.2623 | 145 | 31 | 23.5823 |
| 5 | 42 | 52 | 58.2480 | 145 | 31 | 22.4806 |
| 6 | 42 | 52 | 58.2338 | 145 | 31 | 21.3789 |
| 7 | 42 | 52 | 58.2196 | 145 | 31 | 20.2772 |
| 8 | 42 | 52 | 58.2054 | 145 | 31 | 19.1754 |
| 9 | 42 | 52 | 58.1912 | 145 | 31 | 18.0737 |
| 10 | 42 | 52 | 58.1769 | 145 | 31 | 16.9720 |
| 11 | 42 | 52 | 58.1627 | 145 | 31 | 15.8703 |
| 12 | 42 | 52 | 58.1485 | 145 | 31 | 14.7686 |
| 13 | 42 | 52 | 58.1342 | 145 | 31 | 13.6669 |
| 14 | 42 | 52 | 58.1200 | 145 | 31 | 12.5651 |
| 15 | 42 | 52 | 58.1057 | 145 | 31 | 11.4634 |
| 16 | 42 | 52 | 58.0915 | 145 | 31 | 10.3617 |
| 17 | 42 | 52 | 58.0772 | 145 | 31 | 9.2600 |
| 18 | 42 | 52 | 58.0630 | 145 | 31 | 8.1583 |
| 19 | 42 | 52 | 58.0487 | 145 | 31 | 7.0566 |
| 20 | 42 | 52 | 58.0345 | 145 | 31 | 5.9548 |
| 21 | 42 | 52 | 58.0202 | 145 | 31 | 4.8531 |
| 22 | 42 | 52 | 58.3049 | 145 | 31 | 26.8875 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 368.1 | | |
| | 368.8 | 152.4 | -.0 |
| | 368.3 | 151.9 | -.0 |
| | 369.2 | 152.8 | .0 |
| | 370.1 | 153.7 | .0 |
| | 371.1 | 154.7 | .0 |
| | 371.5 | 155.1 | .0 |
| | 372.1 | 155.6 | .0 |
| | 374.2 | 157.7 | .0 |
| | 374.2 | 157.8 | .0 |
| | 375.9 | 159.4 | .0 |
| | 377.7 | 161.3 | .0 |
| | 377.9 | 161.4 | .1 |
| | 378.3 | 161.8 | .1 |
| | 378.2 | 161.7 | .1 |
| | 378.6 | 162.1 | .1 |
| | 378.7 | 162.2 | .1 |
| | 377.1 | 160.7 | .1 |
| | 377.5 | 161.0 | .1 |
| | 378.6 | 162.1 | .1 |
| | 380.0 | 161.9 | 1.7 |
| | 368.1 | | |

J5C

044059

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0041
SURVEY NAME :
VOYAGER 19 12800N 14/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000015
GRID NAME : VOYAGER 19
LOCAL 12900N 10000E
AMG 5251220N 379475E
OBS. GRAVITY: 9804411.6
BASE HEIGHT : 165.66

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |
| 2 | G(V19)000663 | 12800 | 10350 | 166.89 | 9804396.7 |
| 3 | G(V19)000664 | 12800 | 10325 | 161.93 | 9804409.3 |
| 4 | G(V19)000665 | 12800 | 10300 | 155.81 | 9804422.3 |
| 5 | G(V19)000666 | 12800 | 10275 | 156.76 | 9804421.0 |
| 6 | G(V19)000667 | 12800 | 10250 | 161.60 | 9804412.5 |
| 7 | G(V19)000668 | 12800 | 10225 | 167.06 | 9804401.8 |
| 8 | G(V19)000669 | 12800 | 10200 | 172.81 | 9804390.9 |
| 9 | G(V19)000670 | 12800 | 10175 | 177.62 | 9804382.9 |
| 10 | G(V19)000671 | 12800 | 10150 | 180.75 | 9804377.3 |
| 11 | G(V19)000672 | 12800 | 10125 | 183.49 | 9804372.8 |
| 12 | G(V19)000673 | 12800 | 10100 | 185.44 | 9804368.9 |
| 13 | G(V19)000674 | 12800 | 10075 | 183.63 | 9804373.2 |
| 14 | G(V19)000675 | 12800 | 10050 | 180.76 | 9804379.9 |
| 15 | G(V19)000676 | 12800 | 10025 | 176.88 | 9804389.8 |
| 16 | G(V19)000017 | 12800 | 10000 | 172.40 | 9804398.6 |
| 17 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251220 | 379475 | 364.0 | 367.8 | 367.0 | 1.20 | 1.50 | 1.50 |
| 2 | 5251120 | 379825 | 350.7 | 355.3 | 352.8 | .80 | 1.80 | 1.80 |
| 3 | 5251120 | 379800 | 353.3 | 357.8 | 355.3 | .81 | 1.80 | 1.70 |
| 4 | 5251120 | 379775 | 353.9 | 360.2 | 355.7 | .71 | 2.50 | 2.40 |
| 5 | 5251120 | 379750 | 354.5 | 362.8 | 356.4 | .75 | 3.30 | 3.20 |
| 6 | 5251120 | 379725 | 355.9 | 365.0 | 357.7 | .73 | 3.60 | 3.50 |
| 7 | 5251120 | 379700 | 356.2 | 365.5 | 358.1 | .75 | 3.70 | 3.60 |
| 8 | 5251120 | 379675 | 357.0 | 366.0 | 358.9 | .77 | 3.60 | 3.50 |
| 9 | 5251120 | 379650 | 358.8 | 367.3 | 360.8 | .80 | 3.40 | 3.30 |
| 10 | 5251120 | 379625 | 359.5 | 367.3 | 365.6 | 2.42 | 3.10 | 3.00 |
| 11 | 5251120 | 379600 | 360.6 | 367.4 | 366.3 | 2.27 | 2.70 | 2.60 |
| 12 | 5251120 | 379575 | 360.6 | 366.7 | 365.7 | 2.00 | 2.40 | 2.40 |
| 13 | 5251120 | 379550 | 361.3 | 367.1 | 366.1 | 1.90 | 2.30 | 2.20 |
| 14 | 5251120 | 379525 | 362.1 | 367.7 | 366.8 | 1.84 | 2.20 | 2.10 |
| 15 | 5251120 | 379500 | 364.2 | 369.2 | 368.1 | 1.55 | 2.00 | 2.00 |
| 16 | 5251120 | 379475 | 363.9 | 368.4 | 368.1 | 1.70 | 1.80 | 1.80 |
| 17 | 5251220 | 379475 | 364.0 | 367.8 | 367.0 | 1.20 | 1.50 | 1.50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 | 367.0 | | |
| 2 | 42 | 52 | 58.5035 | 145 | 31 | 42.3116 | 352.8 | 136.3 | .1 |
| 3 | 42 | 52 | 58.4893 | 145 | 31 | 41.2098 | 355.3 | 139.0 | -.1 |
| 4 | 42 | 52 | 58.4751 | 145 | 31 | 40.1081 | 355.7 | 139.4 | -.1 |
| 5 | 42 | 52 | 58.4610 | 145 | 31 | 39.0064 | 356.4 | 140.1 | -.1 |
| 6 | 42 | 52 | 58.4468 | 145 | 31 | 37.9047 | 357.7 | 141.4 | -.1 |
| 7 | 42 | 52 | 58.4326 | 145 | 31 | 36.8030 | 358.1 | 141.8 | -.1 |
| 8 | 42 | 52 | 58.4184 | 145 | 31 | 35.7012 | 358.9 | 142.6 | -.1 |
| 9 | 42 | 52 | 58.4043 | 145 | 31 | 34.5995 | 360.8 | 146.4 | -2.0 |
| 10 | 42 | 52 | 58.3901 | 145 | 31 | 33.4978 | 365.6 | 149.3 | -.1 |
| 11 | 42 | 52 | 58.3759 | 145 | 31 | 32.3961 | 366.3 | 150.0 | -.1 |
| 12 | 42 | 52 | 58.3617 | 145 | 31 | 31.2944 | 365.7 | 149.4 | -.1 |
| 13 | 42 | 52 | 58.3475 | 145 | 31 | 30.1926 | 366.1 | 151.8 | -2.1 |
| 14 | 42 | 52 | 58.3333 | 145 | 31 | 29.0909 | 366.8 | 150.5 | -.1 |
| 15 | 42 | 52 | 58.3191 | 145 | 31 | 27.9892 | 368.1 | 151.7 | -.1 |
| 16 | 42 | 52 | 58.3049 | 145 | 31 | 26.8875 | 368.1 | 151.8 | -.1 |
| 17 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 | 367.0 | | |

05

044060

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0042
SURVEY NAME :
VOYAGER 19 12900N 14/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000015
GRID NAME : VOYAGER 19
LOCAL 12900N 10000E
AMG 5251220N 379475E
OBS. GRAVITY: 9804411.6
BASE HEIGHT : 165.66

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |
| 2 | G(V19)000677 | 12900 | 9975 | 160.23 | 9804423.6 |
| 3 | G(V19)000678 | 12900 | 9950 | 157.84 | 9804429.0 |
| 4 | G(V19)000679 | 12900 | 9925 | 156.70 | 9804431.4 |
| 5 | G(V19)000680 | 12900 | 9900 | 156.74 | 9804432.9 |
| 6 | G(V19)000681 | 12900 | 9875 | 155.78 | 9804436.6 |
| 7 | G(V19)000682 | 12900 | 9850 | 154.85 | 9804439.5 |
| 8 | G(V19)000683 | 12900 | 9825 | 153.89 | 9804442.6 |
| 9 | G(V19)000684 | 12900 | 9800 | 151.52 | 9804448.4 |
| 10 | G(V19)000685 | 12900 | 9775 | 149.95 | 9804452.7 |
| 11 | G(V19)000686 | 12900 | 9750 | 148.84 | 9804455.0 |
| 12 | G(V19)000687 | 12900 | 9725 | 147.19 | 9804459.6 |
| 13 | G(V19)000688 | 12900 | 9700 | 144.59 | 9804466.0 |
| 14 | G(V19)000689 | 12900 | 9675 | 141.08 | 9804474.4 |
| 15 | G(V19)000690 | 12900 | 9650 | 138.58 | 9804480.1 |
| 16 | G(V19)000691 | 12900 | 9625 | 136.75 | 9804483.7 |
| 17 | G(V19)000692 | 12900 | 9600 | 135.77 | 9804486.1 |
| 18 | G(V19)000693 | 12900 | 9575 | 134.17 | 9804488.6 |
| 19 | G(V19)000694 | 12900 | 9550 | 132.84 | 9804492.6 |
| 20 | G(V19)000695 | 12900 | 9525 | 132.86 | 9804492.7 |
| 21 | G(V19)000696 | 12900 | 9500 | 133.33 | 9804491.8 |
| 22 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5251220 | 379475 |
| 2 | 5251220 | 379450 |
| 3 | 5251220 | 379425 |
| 4 | 5251220 | 379400 |
| 5 | 5251220 | 379375 |
| 6 | 5251220 | 379350 |
| 7 | 5251220 | 379325 |
| 8 | 5251220 | 379300 |
| 9 | 5251220 | 379275 |
| 10 | 5251220 | 379250 |
| 11 | 5251220 | 379225 |
| 12 | 5251220 | 379200 |
| 13 | 5251220 | 379175 |
| 14 | 5251220 | 379150 |
| 15 | 5251220 | 379125 |
| 16 | 5251220 | 379100 |
| 17 | 5251220 | 379075 |
| 18 | 5251220 | 379050 |
| 19 | 5251220 | 379025 |
| 20 | 5251220 | 379000 |
| 21 | 5251220 | 378975 |
| 22 | 5251220 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 364.0 | 367.8 | 367.0 | 1.20 | 1.50 | 1.50 |
| | 365.0 | 368.0 | 367.7 | 1.09 | 1.20 | 1.10 |
| | 365.5 | 368.1 | 368.1 | 1.02 | 1.00 | 1.00 |
| | 365.6 | 367.9 | 367.9 | .91 | .90 | .90 |
| | 367.3 | 369.5 | 369.3 | .82 | .90 | .90 |
| | 369.0 | 371.3 | 370.9 | .75 | .90 | .90 |
| | 370.0 | 372.3 | 371.7 | .67 | .90 | .90 |
| | 371.2 | 373.5 | 372.9 | .66 | .90 | .90 |
| | 372.2 | 374.2 | 373.8 | .65 | .80 | .80 |
| | 373.3 | 375.3 | 375.0 | .68 | .80 | .80 |
| | 373.3 | 375.6 | 375.2 | .73 | .90 | .90 |
| | 374.6 | 376.9 | 376.4 | .71 | .90 | .90 |
| | 375.6 | 378.2 | 377.4 | .68 | 1.00 | .90 |
| | 377.0 | 379.0 | 378.9 | .76 | .80 | .80 |
| | 377.6 | 379.6 | 379.4 | .72 | .80 | .70 |
| | 377.5 | 379.2 | 379.1 | .64 | .70 | .70 |
| | 377.9 | 379.9 | 379.4 | .61 | .80 | .70 |
| | 377.2 | | 378.8 | .64 | 0.00 | 0.00 |
| | 378.4 | | 380.2 | .71 | 0.00 | 0.00 |
| | 378.6 | | 380.3 | .68 | 0.00 | 0.00 |
| | 378.7 | | 380.3 | .65 | 0.00 | 0.00 |
| | 364.0 | 367.8 | 367.0 | 1.20 | 1.50 | 1.50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |
| 2 | 42 | 52 | 55.0499 | 145 | 31 | 25.8630 |
| 3 | 42 | 52 | 55.0357 | 145 | 31 | 24.7613 |
| 4 | 42 | 52 | 55.0215 | 145 | 31 | 23.6596 |
| 5 | 42 | 52 | 55.0072 | 145 | 31 | 22.5579 |
| 6 | 42 | 52 | 54.9930 | 145 | 31 | 21.4562 |
| 7 | 42 | 52 | 54.9788 | 145 | 31 | 20.3545 |
| 8 | 42 | 52 | 54.9646 | 145 | 31 | 19.2528 |
| 9 | 42 | 52 | 54.9504 | 145 | 31 | 18.1511 |
| 10 | 42 | 52 | 54.9361 | 145 | 31 | 17.0494 |
| 11 | 42 | 52 | 54.9219 | 145 | 31 | 15.9477 |
| 12 | 42 | 52 | 54.9077 | 145 | 31 | 14.8460 |
| 13 | 42 | 52 | 54.8934 | 145 | 31 | 13.7443 |
| 14 | 42 | 52 | 54.8792 | 145 | 31 | 12.6426 |
| 15 | 42 | 52 | 54.8649 | 145 | 31 | 11.5409 |
| 16 | 42 | 52 | 54.8507 | 145 | 31 | 10.4392 |
| 17 | 42 | 52 | 54.8364 | 145 | 31 | 9.3375 |
| 18 | 42 | 52 | 54.8222 | 145 | 31 | 8.2358 |
| 19 | 42 | 52 | 54.8079 | 145 | 31 | 7.1341 |
| 20 | 42 | 52 | 54.7937 | 145 | 31 | 6.0324 |
| 21 | 42 | 52 | 54.7794 | 145 | 31 | 4.9307 |
| 22 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 367.0 | | |
| | 367.7 | 151.4 | -.1 |
| | 368.1 | 151.8 | -.1 |
| | 367.9 | 151.6 | -.0 |
| | 369.3 | 153.0 | -.0 |
| | 370.9 | 154.6 | -.1 |
| | 371.7 | 155.3 | -.0 |
| | 372.9 | 156.5 | -.0 |
| | 373.8 | 157.5 | -.0 |
| | 375.0 | 158.6 | -.0 |
| | 375.2 | 158.8 | -.0 |
| | 376.4 | 160.0 | -.0 |
| | 377.4 | 161.0 | -.0 |
| | 378.9 | 162.5 | .0 |
| | 379.4 | 163.0 | .0 |
| | 379.1 | 162.7 | .0 |
| | 379.4 | 163.0 | .0 |
| | 378.8 | 162.4 | .0 |
| | 380.2 | 163.8 | .0 |
| | 380.3 | 163.9 | .0 |
| | 380.3 | 163.7 | .2 |
| | 367.0 | | |

```
**********************************
*     GEOPEKO GRAVITY SURVEY     *
**********************************

FILE          : TG0043
SURVEY NAME   :
VOYAGER 19 12900N 14/11/81

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000015
GRID NAME     :          VOYAGER 19
LOCAL      12900N      10000E
AMG      5251220N     379475E
OBS. GRAVITY:   9804411.6
BASE HEIGHT :   165.66
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |
| 2 | G(V19)000697 | 12900 | 10025 | 172.67 | 9804394.5 |
| 3 | G(V19)000698 | 12900 | 10050 | 179.72 | 9804378.2 |
| 4 | G(V19)000699 | 12900 | 10075 | 177.13 | 9804384.8 |
| 5 | G(V19)000700 | 12900 | 10100 | 173.19 | 9804392.4 |
| 6 | G(V19)000701 | 12900 | 10125 | 172.50 | 9804394.1 |
| 7 | G(V19)000702 | 12900 | 10150 | 168.06 | 9804402.4 |
| 8 | G(V19)000703 | 12900 | 10175 | 163.93 | 9804410.6 |
| 9 | G(V19)000704 | 12900 | 10200 | 159.08 | 9804419.4 |
| 10 | G(V19)000705 | 12900 | 10225 | 156.58 | 9804421.9 |
| 11 | G(V19)000706 | 12900 | 10250 | 154.89 | 9804425.4 |
| 12 | G(V19)000707 | 12900 | 10275 | 155.73 | 9804423.3 |
| 13 | G(V19)000708 | 12900 | 10300 | 159.80 | 9804412.6 |
| 14 | G(V19)000700 | 12900 | 10100 | 173.19 | 9804392.6 |
| 15 | G(V19)000015 | 12900 | 10000 | 165.66 | 9804411.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5251220 | 379475 |
| 2 | 5251220 | 379500 |
| 3 | 5251220 | 379525 |
| 4 | 5251220 | 379550 |
| 5 | 5251220 | 379575 |
| 6 | 5251220 | 379600 |
| 7 | 5251220 | 379625 |
| 8 | 5251220 | 379650 |
| 9 | 5251220 | 379675 |
| 10 | 5251220 | 379700 |
| 11 | 5251220 | 379725 |
| 12 | 5251220 | 379750 |
| 13 | 5251220 | 379775 |
| 14 | 5251220 | 379575 |
| 15 | 5251220 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| 1 | 364.0 | 367.8 | 367.0 |
| 2 | 361.1 | 366.4 | 365.8 |
| 3 | 359.1 | 365.7 | 364.4 |
| 4 | 360.5 | 365.3 | 365.6 |
| 5 | 360.1 | 364.9 | 365.1 |
| 6 | 360.4 | 364.7 | 364.3 |
| 7 | 359.7 | 364.3 | 363.5 |
| 8 | 359.4 | 364.0 | 362.9 |
| 9 | 358.5 | 363.0 | 361.2 |
| 10 | 355.8 | 359.6 | 358.1 |
| 11 | 356.0 | 359.2 | 357.6 |
| 12 | 355.5 | 358.3 | 357.0 |
| 13 | 353.1 | 356.3 | 354.5 |
| 14 | 360.3 | 365.1 | 365.3 |
| 15 | 364.0 | 367.8 | 367.0 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| 1 | 1.20 | 1.50 | 1.50 |
| 2 | 1.84 | 2.10 | 2.00 |
| 3 | 2.10 | 2.60 | 2.60 |
| 4 | 2.02 | 1.90 | 1.90 |
| 5 | 1.97 | 1.90 | 1.80 |
| 6 | 1.55 | 1.70 | 1.70 |
| 7 | 1.49 | 1.80 | 1.70 |
| 8 | 1.37 | 1.80 | 1.70 |
| 9 | 1.09 | 1.80 | 1.70 |
| 10 | .90 | 1.50 | 1.40 |
| 11 | .65 | 1.30 | 1.20 |
| 12 | .61 | 1.10 | 1.10 |
| 13 | .57 | 1.30 | 1.30 |
| 14 | 1.97 | 1.90 | 1.80 |
| 15 | 1.20 | 1.50 | 1.50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |
| 2 | 42 | 52 | 55.0783 | 145 | 31 | 28.0664 |
| 3 | 42 | 52 | 55.0925 | 145 | 31 | 29.1681 |
| 4 | 42 | 52 | 55.1067 | 145 | 31 | 30.2698 |
| 5 | 42 | 52 | 55.1209 | 145 | 31 | 31.3716 |
| 6 | 42 | 52 | 55.1351 | 145 | 31 | 32.4733 |
| 7 | 42 | 52 | 55.1493 | 145 | 31 | 33.5750 |
| 8 | 42 | 52 | 55.1634 | 145 | 31 | 34.6767 |
| 9 | 42 | 52 | 55.1776 | 145 | 31 | 35.7784 |
| 10 | 42 | 52 | 55.1918 | 145 | 31 | 36.8801 |
| 11 | 42 | 52 | 55.2060 | 145 | 31 | 37.9818 |
| 12 | 42 | 52 | 55.2202 | 145 | 31 | 39.0835 |
| 13 | 42 | 52 | 55.2343 | 145 | 31 | 40.1852 |
| 14 | 42 | 52 | 55.1209 | 145 | 31 | 31.3716 |
| 15 | 42 | 52 | 55.0641 | 145 | 31 | 26.9647 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| 1 | 367.0 | | |
| 2 | 365.8 | 149.4 | -.1 |
| 3 | 364.4 | 148.1 | -.1 |
| 4 | 365.6 | 149.2 | -.1 |
| 5 | 365.1 | 148.8 | -.1 |
| 6 | 364.3 | 148.0 | -.1 |
| 7 | 363.5 | 147.2 | -.1 |
| 8 | 362.9 | 146.6 | -.1 |
| 9 | 361.2 | 144.9 | -.1 |
| 10 | 358.1 | 141.8 | -.1 |
| 11 | 357.6 | 141.3 | -.1 |
| 12 | 357.0 | 140.7 | -.1 |
| 13 | 354.5 | 138.2 | -.1 |
| 14 | 365.3 | | |
| 15 | 367.0 | | |

061

044062

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0044
SURVEY NAME :
VOYAGER 19 13000N 13/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000013
GRID NAME : VOYAGER 19
LOCAL 13000N 10000E
AMG 5251320N 379475E
OBS. GRAVITY: 9804429.2
BASE HEIGHT : 156.85

| | STATION NAME | LOCAL N | LOCAL E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |
| 2 | G(V19)000709 | 13000 | 9975 | 156.01 | 9804430.8 |
| 3 | G(V19)000710 | 13000 | 9950 | 155.47 | 9804433.6 |
| 4 | G(V19)000711 | 13000 | 9925 | 154.72 | 9804435.8 |
| 5 | G(V19)000712 | 13000 | 9900 | 154.11 | 9804439.0 |
| 6 | G(V19)000713 | 13000 | 9875 | 153.29 | 9804440.4 |
| 7 | G(V19)000714 | 13000 | 9850 | 150.32 | 9804448.0 |
| 8 | G(V19)000715 | 13000 | 9825 | 147.48 | 9804454.5 |
| 9 | G(V19)000716 | 13000 | 9800 | 147.05 | 9804455.6 |
| 10 | G(V19)000717 | 13000 | 9775 | 146.69 | 9804457.3 |
| 11 | G(V19)000718 | 13000 | 9750 | 146.06 | 9804459.7 |
| 12 | G(V19)000719 | 13000 | 9725 | 145.48 | 9804460.7 |
| 13 | G(V19)000720 | 13000 | 9700 | 142.62 | 9804468.1 |
| 14 | G(V19)000721 | 13000 | 9675 | 139.91 | 9804474.8 |
| 15 | G(V19)000722 | 13000 | 9650 | 135.89 | 9804483.9 |
| 16 | G(V19)000723 | 13000 | 9625 | 135.15 | 9804485.6 |
| 17 | G(V19)000724 | 13000 | 9600 | 131.21 | 9804494.7 |
| 18 | G(V19)000725 | 13000 | 9575 | 130.74 | 9804495.8 |
| 19 | G(V19)000726 | 13000 | 9550 | 127.86 | 9804502.5 |
| 20 | G(V19)000727 | 13000 | 9525 | 125.93 | 9804506.0 |
| 21 | G(V19)000728 | 13000 | 9500 | 126.30 | 9804506.0 |
| 22 | G(V19)000714 | 13000 | 9850 | 150.32 | 9804448.2 |
| 23 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5251320 | 379475 |
| 2 | 5251320 | 379450 |
| 3 | 5251320 | 379425 |
| 4 | 5251320 | 379400 |
| 5 | 5251320 | 379375 |
| 6 | 5251320 | 379350 |
| 7 | 5251320 | 379325 |
| 8 | 5251320 | 379300 |
| 9 | 5251320 | 379275 |
| 10 | 5251320 | 379250 |
| 11 | 5251320 | 379225 |
| 12 | 5251320 | 379200 |
| 13 | 5251320 | 379175 |
| 14 | 5251320 | 379150 |
| 15 | 5251320 | 379125 |
| 16 | 5251320 | 379100 |
| 17 | 5251320 | 379075 |
| 18 | 5251320 | 379050 |
| 19 | 5251320 | 379025 |
| 20 | 5251320 | 379000 |
| 21 | 5251320 | 378975 |
| 22 | 5251320 | 379325 |
| 23 | 5251320 | 379475 |

| | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER |
|---|---|---|---|
| | 364.5 | 366.6 | 366.3 |
| | 364.4 | 366.5 | 366.0 |
| | 366.2 | 368.2 | 367.7 |
| | 366.8 | 368.8 | 368.4 |
| | 368.8 | 370.8 | 370.5 |
| | 368.5 | 370.5 | 370.2 |
| | 370.1 | 372.1 | 371.9 |
| | 370.9 | 372.6 | 372.6 |
| | 371.1 | 372.8 | 372.8 |
| | 372.0 | 373.8 | 373.8 |
| | 373.1 | 374.9 | 374.9 |
| | 373.0 | 375.0 | 374.9 |
| | 374.6 | 376.6 | 376.7 |
| | 375.8 | 377.8 | 377.9 |
| | 376.7 | 378.5 | 378.9 |
| | 376.9 | 378.7 | 379.0 |
| | 378.1 | 379.8 | 380.0 |
| | 378.2 | | 380.1 |
| | 379.1 | | 381.0 |
| | 378.7 | | 380.5 |
| | 379.4 | | 381.0 |
| | 370.3 | 372.3 | 372.1 |
| | 364.5 | 366.6 | 366.3 |

| | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|
| | .70 | .80 | .80 |
| | .63 | .80 | .80 |
| | .58 | .80 | .80 |
| | .63 | .80 | .80 |
| | .66 | .80 | .80 |
| | .67 | .80 | .80 |
| | .70 | .80 | .80 |
| | .69 | .70 | .70 |
| | .67 | .70 | .70 |
| | .71 | .70 | .70 |
| | .72 | .70 | .70 |
| | .77 | .80 | .80 |
| | .85 | .80 | .80 |
| | .85 | .80 | .80 |
| | .86 | .70 | .70 |
| | .80 | .70 | .70 |
| | .77 | .70 | .60 |
| | .76 | 0.00 | 0.00 |
| | .76 | 0.00 | 0.00 |
| | .72 | 0.00 | 0.00 |
| | .66 | 0.00 | 0.00 |
| | .70 | .80 | .80 |
| | .70 | .80 | .80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 |
| 2 | 42 | 52 | 51.8091 | 145 | 31 | 25.9403 |
| 3 | 42 | 52 | 51.7949 | 145 | 31 | 24.8386 |
| 4 | 42 | 52 | 51.7806 | 145 | 31 | 23.7369 |
| 5 | 42 | 52 | 51.7664 | 145 | 31 | 22.6352 |
| 6 | 42 | 52 | 51.7522 | 145 | 31 | 21.5336 |
| 7 | 42 | 52 | 51.7380 | 145 | 31 | 20.4319 |
| 8 | 42 | 52 | 51.7238 | 145 | 31 | 19.3302 |
| 9 | 42 | 52 | 51.7095 | 145 | 31 | 18.2285 |
| 10 | 42 | 52 | 51.6953 | 145 | 31 | 17.1268 |
| 11 | 42 | 52 | 51.6811 | 145 | 31 | 16.0251 |
| 12 | 42 | 52 | 51.6668 | 145 | 31 | 14.9234 |
| 13 | 42 | 52 | 51.6526 | 145 | 31 | 13.8218 |
| 14 | 42 | 52 | 51.6384 | 145 | 31 | 12.7201 |
| 15 | 42 | 52 | 51.6241 | 145 | 31 | 11.6184 |
| 16 | 42 | 52 | 51.6099 | 145 | 31 | 10.5167 |
| 17 | 42 | 52 | 51.5956 | 145 | 31 | 9.4150 |
| 18 | 42 | 52 | 51.5814 | 145 | 31 | 8.3133 |
| 19 | 42 | 52 | 51.5671 | 145 | 31 | 7.2117 |
| 20 | 42 | 52 | 51.5529 | 145 | 31 | 6.1100 |
| 21 | 42 | 52 | 51.5386 | 145 | 31 | 5.0083 |
| 22 | 42 | 52 | 51.7380 | 145 | 31 | 20.4319 |
| 23 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 |

| | BOUGUER GRAVITY HAMMER | BOUGUER GRAVITY SUMPTON | BOUGUER GRAVITY Δ-216.4 |
|---|---|---|---|
| | 366.3 | | |
| | 366.0 | 149.7 | -.1 |
| | 367.7 | 151.3 | -.1 |
| | 368.4 | 152.1 | -.1 |
| | 370.5 | 154.1 | -.0 |
| | 370.2 | 153.8 | -.0 |
| | 371.9 | 155.5 | -.0 |
| | 372.6 | 156.2 | -.0 |
| | 372.8 | 156.4 | -.0 |
| | 373.8 | 157.4 | -.0 |
| | 374.9 | 158.6 | -.0 |
| | 374.9 | 158.5 | -.0 |
| | 376.7 | 160.3 | -.0 |
| | 377.9 | 161.5 | -.0 |
| | 378.9 | 162.5 | .0 |
| | 379.0 | 162.5 | .0 |
| | 380.0 | 163.6 | .0 |
| | 380.1 | 163.7 | .0 |
| | 381.0 | 164.6 | .0 |
| | 380.5 | 164.0 | .0 |
| | 381.0 | 164.6 | .0 |
| | 372.1 | | |
| | 366.3 | | |

062

044063

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0045
SURVEY NAME :
VOYAGER 19 13000N 13/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000013
GRID NAME : VOYAGER 19
LOCAL 13000N 10000E
AMG 5251320N 379475E
OBS. GRAVITY: 9804429.2
BASE HEIGHT : 156.85

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |
| 2 | G(V19)000729 | 13000 | 10025 | 157.10 | 9804427.4 |
| 3 | G(V19)000730 | 13000 | 10050 | 157.16 | 9804426.5 |
| 4 | G(V19)000731 | 13000 | 10075 | 156.63 | 9804426.7 |
| 5 | G(V19)000732 | 13000 | 10100 | 157.02 | 9804426.1 |
| 6 | G(V19)000733 | 13000 | 10125 | 157.02 | 9804424.6 |
| 7 | G(V19)000734 | 13000 | 10150 | 158.42 | 9804420.7 |
| 8 | G(V19)000735 | 13000 | 10175 | 160.00 | 9804415.2 |
| 9 | G(V19)000736 | 13000 | 10200 | 162.27 | 9804410.0 |
| 10 | G(V19)000737 | 13000 | 10225 | 165.07 | 9804402.9 |
| 11 | G(V19)000738 | 13000 | 10250 | 165.24 | 9804399.2 |
| 12 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251320 | 379475 |
| 2 | 5251320 | 379500 |
| 3 | 5251320 | 379525 |
| 4 | 5251320 | 379550 |
| 5 | 5251320 | 379575 |
| 6 | 5251320 | 379600 |
| 7 | 5251320 | 379625 |
| 8 | 5251320 | 379650 |
| 9 | 5251320 | 379675 |
| 10 | 5251320 | 379700 |
| 11 | 5251320 | 379725 |
| 12 | 5251320 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 364.5 | 366.6 | 366.3 | .70 | .80 | .80 |
| | 363.2 | 365.5 | 365.0 | .72 | .90 | .90 |
| | 362.5 | 365.3 | 364.3 | .73 | 1.10 | 1.00 |
| | 361.6 | 364.7 | 363.4 | .72 | 1.20 | 1.20 |
| | 361.8 | 364.6 | 363.6 | .72 | 1.10 | 1.10 |
| | 360.3 | 363.0 | 362.0 | .67 | 1.10 | 1.10 |
| | 359.2 | 361.5 | 360.8 | .62 | .90 | .90 |
| | 356.9 | 359.2 | 358.6 | .65 | .90 | .90 |
| | 356.3 | 358.6 | 358.1 | .72 | .90 | .90 |
| | 354.9 | 357.9 | 357.0 | .85 | 1.20 | 1.20 |
| | 351.5 | 354.8 | 354.3 | 1.08 | 1.30 | 1.30 |
| | 364.5 | 366.6 | 366.3 | .70 | .80 | .80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 |
| 2 | 42 | 52 | 51.8375 | 145 | 31 | 28.1437 |
| 3 | 42 | 52 | 51.8517 | 145 | 31 | 29.2454 |
| 4 | 42 | 52 | 51.8659 | 145 | 31 | 30.3471 |
| 5 | 42 | 52 | 51.8801 | 145 | 31 | 31.4487 |
| 6 | 42 | 52 | 51.8943 | 145 | 31 | 32.5504 |
| 7 | 42 | 52 | 51.9084 | 145 | 31 | 33.6521 |
| 8 | 42 | 52 | 51.9226 | 145 | 31 | 34.7538 |
| 9 | 42 | 52 | 51.9368 | 145 | 31 | 35.8555 |
| 10 | 42 | 52 | 51.9510 | 145 | 31 | 36.9572 |
| 11 | 42 | 52 | 51.9652 | 145 | 31 | 38.0589 |
| 12 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 |

| | BOUGUER GRAVITY HAMMER | SUMPTON A-216.4 | |
|---|---|---|---|
| | 366.3 | | |
| | 365.0 | 148.7 | -.1 |
| | 364.3 | 148.0 | -.1 |
| | 363.4 | 147.1 | -.1 |
| | 363.6 | 147.3 | -.1 |
| | 362.0 | 146.3 | -.7 |
| | 360.8 | 144.5 | -.1 |
| | 358.6 | 142.3 | -.1 |
| | 358.1 | 141.8 | -.1 |
| | 357.0 | 140.7 | -.1 |
| | 354.3 | 137.8 | .0 |
| | 366.3 | | |

063

044064

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0046
SURVEY NAME :
VOYAGER 19 13000N 13/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000013
GRID NAME : VOYAGER 19
LOCAL 13000N 10000E
AMG 5251320N 379475E
OBS. GRAVITY: 9804429.2
BASE HEIGHT : 156.85

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |
| 2 | G(V19)000738 | 13000 | 10250 | 165.24 | 9804399.4 |
| 3 | G(V19)000739 | 13000 | 10275 | 155.69 | 9804416.6 |
| 4 | G(V19)000740 | 13000 | 10300 | 147.56 | 9804435.5 |
| 5 | G(V19)000741 | 13000 | 10325 | 145.36 | 9804441.5 |
| 6 | G(V19)000742 | 13000 | 10350 | 144.91 | 9804442.6 |
| 7 | G(V19)000743 | 13000 | 10375 | 143.32 | 9804445.2 |
| 8 | G(V19)000744 | 13000 | 10400 | 142.52 | 9804445.8 |
| 9 | G(V19)000745 | 13000 | 10425 | 140.39 | 9804448.8 |
| 10 | G(V19)000746 | 13000 | 10450 | 139.11 | 9804451.1 |
| 11 | G(V19)000747 | 13000 | 10475 | 140.89 | 9804446.2 |
| 12 | G(V19)000748 | 13000 | 10500 | 143.61 | 9804437.3 |
| 13 | G(V19)000749 | 13000 | 10525 | 152.91 | 9804415.5 |
| 14 | G(V19)000750 | 13000 | 10550 | 157.64 | 9804405.6 |
| 15 | G(V19)000751 | 13000 | 10575 | 154.66 | 9804413.5 |
| 16 | G(V19)000752 | 13000 | 10600 | 152.67 | 9804417.2 |
| 17 | G(V19)000753 | 13000 | 10625 | 152.26 | 9804416.3 |
| 18 | G(V19)000754 | 13000 | 10650 | 153.36 | 9804411.8 |
| 19 | G(V19)000755 | 13000 | 10675 | 150.92 | 9804417.1 |
| 20 | G(V19)000756 | 13000 | 10700 | 150.90 | 9804415.6 |
| 21 | G(V19)000757 | 13000 | 10725 | 149.31 | 9804418.5 |
| 22 | G(V19)000758 | 13000 | 10750 | 149.22 | 9804417.4 |
| 23 | G(V19)000759 | 13000 | 10775 | 148.51 | 9804417.6 |
| 24 | G(V19)000760 | 13000 | 10800 | 148.18 | 9804416.1 |
| 25 | G(V19)000750 | 13000 | 10550 | 157.64 | 9804405.4 |
| 26 | G(V19)000738 | 13000 | 10250 | 165.24 | 9804399.2 |
| 27 | G(V19)000013 | 13000 | 10000 | 156.85 | 9804429.2 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251320 | 379475 | 364.5 | 366.6 | 366.3 | .70 | .80 | .80 |
| 2 | 5251320 | 379725 | 351.7 | 355.0 | 354.4 | 1.08 | 1.30 | 1.30 |
| 3 | 5251320 | 379750 | 349.6 | 353.4 | 352.3 | 1.09 | 1.50 | 1.40 |
| 4 | 5251320 | 379775 | 352.0 | 356.2 | 355.3 | 1.31 | 1.70 | 1.60 |
| 5 | 5251320 | 379800 | 353.5 | 356.5 | 355.6 | .83 | 1.20 | 1.10 |
| 6 | 5251320 | 379825 | 353.6 | 355.9 | 355.3 | .67 | .90 | .90 |
| 7 | 5251320 | 379850 | 353.0 | 355.3 | 354.5 | .60 | .90 | .90 |
| 8 | 5251320 | 379875 | 352.0 | 354.3 | 353.4 | .55 | .90 | .80 |
| 9 | 5251320 | 379900 | 350.7 | 352.9 | 352.0 | .53 | .90 | .90 |
| 10 | 5251320 | 379925 | 350.3 | 352.6 | 351.6 | .51 | .90 | .90 |
| 11 | 5251320 | 379950 | 349.1 | 351.1 | 350.4 | .52 | .80 | .80 |
| 12 | 5251320 | 379975 | 345.6 | 347.9 | 347.0 | .52 | .90 | .80 |
| 13 | 5251320 | 380000 | 342.8 | 346.6 | 345.0 | .88 | 1.50 | 1.40 |
| 14 | 5251320 | 380025 | 342.5 | 346.0 | 344.3 | .72 | 1.40 | 1.30 |
| 15 | 5251320 | 380050 | 344.3 | 346.6 | 345.7 | .55 | .90 | .90 |
| 16 | 5251320 | 380075 | 344.0 | 346.3 | 345.2 | .46 | .90 | .80 |
| 17 | 5251320 | 380100 | 342.3 | | 343.3 | .42 | 0.00 | 0.00 |
| 18 | 5251320 | 380125 | 340.0 | | 341.0 | .39 | 0.00 | 0.00 |
| 19 | 5251320 | 380150 | 340.4 | | 341.1 | .31 | 0.00 | 0.00 |
| 20 | 5251320 | 380175 | 338.8 | | 339.5 | .29 | 0.00 | 0.00 |
| 21 | 5251320 | 380200 | 338.4 | | 339.1 | .26 | 0.00 | 0.00 |
| 22 | 5251320 | 380225 | 337.1 | | 337.7 | .22 | 0.00 | 0.00 |
| 23 | 5251320 | 380250 | 335.9 | | 336.4 | .21 | 0.00 | 0.00 |
| 24 | 5251320 | 380275 | 333.8 | | 334.2 | .18 | 0.00 | 0.00 |
| 25 | 5251320 | 380025 | 342.3 | 345.8 | 344.1 | .72 | 1.40 | 1.30 |
| 26 | 5251320 | 379725 | 351.5 | 354.8 | 354.3 | 1.08 | 1.30 | 1.30 |
| 27 | 5251320 | 379475 | 364.5 | 366.6 | 366.3 | .70 | .80 | .80 |

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | Δ-216.4 |
| 1 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 | 366.3 | | |
| 2 | 42 | 52 | 51.9652 | 145 | 31 | 38.0589 | 354.4 | 137.8 | .2 |
| 3 | 42 | 52 | 51.9793 | 145 | 31 | 39.1606 | 352.3 | 136.0 | -.1 |
| 4 | 42 | 52 | 51.9935 | 145 | 31 | 40.2623 | 355.3 | 139.0 | -.1 |
| 5 | 42 | 52 | 52.0077 | 145 | 31 | 41.3640 | 355.6 | 139.3 | -.1 |
| 6 | 42 | 52 | 52.0218 | 145 | 31 | 42.4656 | 355.3 | 139.0 | -.1 |
| 7 | 42 | 52 | 52.0360 | 145 | 31 | 43.5673 | 354.5 | 138.2 | -.1 |
| 8 | 42 | 52 | 52.0502 | 145 | 31 | 44.6690 | 353.4 | 137.1 | -.1 |
| 9 | 42 | 52 | 52.0643 | 145 | 31 | 45.7707 | 352.0 | 135.7 | -.1 |
| 10 | 42 | 52 | 52.0785 | 145 | 31 | 46.8724 | 351.6 | 135.3 | -.1 |
| 11 | 42 | 52 | 52.0926 | 145 | 31 | 47.9741 | 350.4 | 134.2 | -.2 |
| 12 | 42 | 52 | 52.1068 | 145 | 31 | 49.0758 | 347.0 | 130.7 | -.1 |
| 13 | 42 | 52 | 52.1209 | 145 | 31 | 50.1775 | 345.0 | 128.7 | -.1 |
| 14 | 42 | 52 | 52.1351 | 145 | 31 | 51.2792 | 344.3 | 128.0 | -.1 |
| 15 | 42 | 52 | 52.1492 | 145 | 31 | 52.3809 | 345.7 | 129.4 | -.1 |
| 16 | 42 | 52 | 52.1633 | 145 | 31 | 53.4826 | 345.2 | 128.9 | -.1 |
| 17 | 42 | 52 | 52.1775 | 145 | 31 | 54.5843 | 343.3 | 127.1 | -.1 |
| 18 | 42 | 52 | 52.1916 | 145 | 31 | 55.6860 | 341.0 | 124.7 | -.2 |
| 19 | 42 | 52 | 52.2057 | 145 | 31 | 56.7876 | 341.1 | 124.9 | -.2 |
| 20 | 42 | 52 | 52.2198 | 145 | 31 | 57.8893 | 339.5 | 123.3 | -.2 |
| 21 | 42 | 52 | 52.2340 | 145 | 31 | 58.9910 | 339.1 | 122.8 | -.2 |
| 22 | 42 | 52 | 52.2481 | 145 | 32 | 0.0927 | 337.7 | 121.4 | -.2 |
| 23 | 42 | 52 | 52.2622 | 145 | 32 | 1.1944 | 336.4 | 120.2 | -.2 |
| 24 | 42 | 52 | 52.2763 | 145 | 32 | 2.2961 | 334.2 | 118.0 | -.2 |
| 25 | 42 | 52 | 52.1351 | 145 | 31 | 51.2792 | 344.1 | | |
| 26 | 42 | 52 | 51.9652 | 145 | 31 | 38.0589 | 354.3 | | |
| 27 | 42 | 52 | 51.8233 | 145 | 31 | 27.0420 | 366.3 | | |

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0047
SURVEY NAME   :
VOYAGER 19 13050N 18/11/81

GRAV. METER   : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000012
GRID NAME     :          VOYAGER 19
LOCAL      13050N      10000E
AMG      5251370N    379475E
OBS. GRAVITY:   9804432.8
BASE HEIGHT :   154.7
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000012 | 13050 | 10000 | 154.70 | 9804432.8 |
| 2 | G(V19)000761 | 13050 | 10025 | 156.42 | 9804426.9 |
| 3 | G(V19)000762 | 13050 | 10050 | 155.22 | 9804429.5 |
| 4 | G(V19)000763 | 13050 | 10075 | 153.52 | 9804432.1 |
| 5 | G(V19)000764 | 13050 | 10100 | 154.30 | 9804430.0 |
| 6 | G(V19)000765 | 13050 | 10125 | 155.21 | 9804427.5 |
| 7 | G(V19)000766 | 13050 | 10150 | 159.26 | 9804418.2 |
| 8 | G(V19)000767 | 13050 | 10175 | 162.25 | 9804410.7 |
| 9 | G(V19)000768 | 13050 | 10200 | 163.42 | 9804405.5 |
| 10 | G(V19)000767 | 13050 | 10175 | 162.25 | 9804410.9 |
| 11 | G(V19)000769 | 13050 | 9975 | 154.39 | 9804434.8 |
| 12 | G(V19)000770 | 13050 | 9950 | 153.68 | 9804438.4 |
| 13 | G(V19)000771 | 13050 | 9925 | 153.93 | 9804438.3 |
| 14 | G(V19)000772 | 13050 | 9900 | 152.73 | 9804441.1 |
| 15 | G(V19)000012 | 13050 | 10000 | 154.70 | 9804432.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5251370 | 379475 |
| 2 | 5251370 | 379500 |
| 3 | 5251370 | 379525 |
| 4 | 5251370 | 379550 |
| 5 | 5251370 | 379575 |
| 6 | 5251370 | 379600 |
| 7 | 5251370 | 379625 |
| 8 | 5251370 | 379650 |
| 9 | 5251370 | 379675 |
| 10 | 5251370 | 379650 |
| 11 | 5251370 | 379450 |
| 12 | 5251370 | 379425 |
| 13 | 5251370 | 379400 |
| 14 | 5251370 | 379375 |
| 15 | 5251370 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 364.2 | 366.0 | 365.5 | .51 | .70 | .70 |
| 2 | 361.7 | 363.5 | 362.9 | .48 | .70 | .70 |
| 3 | 361.9 | 363.7 | 363.1 | .46 | .70 | .70 |
| 4 | 361.0 | 363.1 | 362.2 | .48 | .80 | .80 |
| 5 | 360.6 | 362.4 | 361.9 | .50 | .70 | .70 |
| 6 | 359.9 | 361.7 | 361.2 | .50 | .70 | .70 |
| 7 | 358.8 | 361.0 | 360.1 | .52 | .90 | .90 |
| 8 | 357.4 | 360.2 | 359.1 | .67 | 1.10 | 1.00 |
| 9 | 354.6 | 357.1 | 356.4 | .72 | 1.00 | 1.00 |
| 10 | 357.6 | 360.4 | 359.3 | .67 | 1.10 | 1.00 |
| 11 | 365.6 | 367.3 | 366.9 | .51 | .70 | .70 |
| 12 | 367.7 | 369.5 | 369.1 | .52 | .70 | .70 |
| 13 | 368.2 | 369.9 | 369.4 | .50 | .70 | .70 |
| 14 | 368.5 | 370.2 | 369.7 | .49 | .70 | .70 |
| 15 | 364.2 | 366.0 | 365.5 | .51 | .70 | .70 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 50.2029 | 145 | 31 | 27.0806 |
| 2 | 42 | 52 | 50.2171 | 145 | 31 | 28.1823 |
| 3 | 42 | 52 | 50.2313 | 145 | 31 | 29.2840 |
| 4 | 42 | 52 | 50.2455 | 145 | 31 | 30.3857 |
| 5 | 42 | 52 | 50.2597 | 145 | 31 | 31.4873 |
| 6 | 42 | 52 | 50.2738 | 145 | 31 | 32.5890 |
| 7 | 42 | 52 | 50.2880 | 145 | 31 | 33.6907 |
| 8 | 42 | 52 | 50.3022 | 145 | 31 | 34.7924 |
| 9 | 42 | 52 | 50.3164 | 145 | 31 | 35.8941 |
| 10 | 42 | 52 | 50.3022 | 145 | 31 | 34.7924 |
| 11 | 42 | 52 | 50.1887 | 145 | 31 | 25.9789 |
| 12 | 42 | 52 | 50.1745 | 145 | 31 | 24.8773 |
| 13 | 42 | 52 | 50.1602 | 145 | 31 | 23.7756 |
| 14 | 42 | 52 | 50.1460 | 145 | 31 | 22.6739 |
| 15 | 42 | 52 | 50.2029 | 145 | 31 | 27.0806 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| 1 | 365.5 | | |
| 2 | 362.9 | 146.5 | -.0 |
| 3 | 363.1 | 146.7 | -.0 |
| 4 | 362.2 | 145.9 | -.0 |
| 5 | 361.9 | 145.5 | .0 |
| 6 | 361.2 | 144.8 | -.0 |
| 7 | 360.1 | 143.7 | -.0 |
| 8 | 359.1 | 142.7 | -.0 |
| 9 | 356.4 | 140.0 | -.0 |
| 10 | 359.3 | | |
| 11 | 366.9 | 150.5 | .0 |
| 12 | 369.1 | 152.7 | .0 |
| 13 | 369.4 | 153.0 | .0 |
| 14 | 369.7 | 153.3 | .0 |
| 15 | 365.5 | | |

066

044066

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0048
SURVEY NAME :
VOYAGER 19 13100N 13/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : BASE
GRID NAME : VOYAGER 19
LOCAL 13099N 10001E
AMG 5251419N 379476E
OBS. GRAVITY: 9804432.7
BASE HEIGHT : 153.14

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000001 | 13100 | 10000 | 153.30 | 9804432.3 |
| 3 | G(V19)000773 | 13100 | 9975 | 154.16 | 9804432.8 |
| 4 | G(V19)000774 | 13100 | 9950 | 152.15 | 9804438.2 |
| 5 | G(V19)000775 | 13100 | 9925 | 152.18 | 9804440.1 |
| 6 | G(V19)000776 | 13100 | 9900 | 150.31 | 9804445.6 |
| 7 | G(V19)000777 | 13100 | 9875 | 150.29 | 9804445.8 |
| 8 | G(V19)000778 | 13100 | 9850 | 147.80 | 9804451.5 |
| 9 | G(V19)000779 | 13100 | 9825 | 144.74 | 9804458.9 |
| 10 | G(V19)000780 | 13100 | 9800 | 142.36 | 9804464.8 |
| 11 | G(V19)000781 | 13100 | 9775 | 140.90 | 9804468.0 |
| 12 | G(V19)000782 | 13100 | 9750 | 140.47 | 9804469.3 |
| 13 | G(V19)000783 | 13100 | 9725 | 140.55 | 9804469.5 |
| 14 | G(V19)000784 | 13100 | 9700 | 142.41 | 9804465.3 |
| 15 | G(V19)000785 | 13100 | 9675 | 140.51 | 9804469.7 |
| 16 | G(V19)000786 | 13100 | 9650 | 134.23 | 9804482.6 |
| 17 | G(V19)000787 | 13100 | 9625 | 129.08 | 9804493.8 |
| 18 | G(V19)000788 | 13100 | 9600 | 127.13 | 9804499.3 |
| 19 | G(V19)000789 | 13100 | 9575 | 124.79 | 9804505.2 |
| 20 | G(V19)000790 | 13100 | 9550 | 123.80 | 9804508.1 |
| 21 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251419 | 379476 | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |
| 2 | 5251420 | 379475 | 361.2 | 362.8 | 362.4 | .47 | .60 | .60 |
| 3 | 5251420 | 379450 | 363.5 | 365.3 | 364.6 | .45 | .70 | .70 |
| 4 | 5251420 | 379425 | 364.8 | 366.4 | 366.1 | .49 | .60 | .60 |
| 5 | 5251420 | 379400 | 366.8 | 368.5 | 368.0 | .51 | .70 | .70 |
| 6 | 5251420 | 379375 | 368.5 | 370.2 | 369.7 | .49 | .70 | .70 |
| 7 | 5251420 | 379350 | 368.6 | 370.7 | 370.1 | .58 | .80 | .80 |
| 8 | 5251420 | 379325 | 369.3 | 371.3 | 371.1 | .71 | .80 | .80 |
| 9 | 5251420 | 379300 | 370.5 | 372.3 | 372.5 | .77 | .70 | .70 |
| 10 | 5251420 | 379275 | 371.6 | 373.3 | 373.5 | .75 | .70 | .70 |
| 11 | 5251420 | 379250 | 371.8 | 373.5 | 373.4 | .65 | .70 | .70 |
| 12 | 5251420 | 379225 | 372.2 | 374.0 | 373.8 | .62 | .70 | .70 |
| 13 | 5251420 | 379200 | 372.6 | 374.4 | 374.2 | .63 | .70 | .70 |
| 14 | 5251420 | 379175 | 372.2 | 374.5 | 374.4 | .86 | .90 | .90 |
| 15 | 5251420 | 379150 | 372.7 | 375.7 | 374.9 | .86 | 1.20 | 1.10 |
| 16 | 5251420 | 379125 | 372.9 | 375.1 | 375.0 | .84 | .90 | .90 |
| 17 | 5251420 | 379100 | 373.6 | 375.4 | 375.6 | .77 | .70 | .70 |
| 18 | 5251420 | 379075 | 375.1 | 376.9 | 376.6 | .60 | .70 | .70 |
| 19 | 5251420 | 379050 | 376.3 | | 378.0 | .68 | 0.00 | 0.00 |
| 20 | 5251420 | 379025 | 377.2 | | 379.0 | .69 | 0.00 | 0.00 |
| 21 | 5251419 | 379476 | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 | 362.5 | | |
| 2 | 42 | 52 | 48.5825 | 145 | 31 | 27.1193 | 362.4 | 146.0 | .0 |
| 3 | 42 | 52 | 48.5683 | 145 | 31 | 26.0176 | 364.6 | 148.2 | .0 |
| 4 | 42 | 52 | 48.5540 | 145 | 31 | 24.9159 | 366.1 | 149.7 | .0 |
| 5 | 42 | 52 | 48.5398 | 145 | 31 | 23.8142 | 368.0 | 151.6 | .0 |
| 6 | 42 | 52 | 48.5256 | 145 | 31 | 22.7126 | 369.7 | 153.3 | .0 |
| 7 | 42 | 52 | 48.5114 | 145 | 31 | 21.6109 | 370.1 | 153.7 | .0 |
| 8 | 42 | 52 | 48.4972 | 145 | 31 | 20.5092 | 371.1 | 154.7 | .0 |
| 9 | 42 | 52 | 48.4830 | 145 | 31 | 19.4076 | 372.5 | 156.0 | .0 |
| 10 | 42 | 52 | 48.4687 | 145 | 31 | 18.3059 | 373.5 | 157.0 | .0 |
| 11 | 42 | 52 | 48.4545 | 145 | 31 | 17.2042 | 373.4 | 157.0 | .0 |
| 12 | 42 | 52 | 48.4403 | 145 | 31 | 16.1025 | 373.8 | 157.3 | .0 |
| 13 | 42 | 52 | 48.4260 | 145 | 31 | 15.0009 | 374.2 | 157.7 | .1 |
| 14 | 42 | 52 | 48.4118 | 145 | 31 | 13.8992 | 374.4 | 157.9 | .1 |
| 15 | 42 | 52 | 48.3976 | 145 | 31 | 12.7975 | 374.9 | 158.4 | .1 |
| 16 | 42 | 52 | 48.3833 | 145 | 31 | 11.6959 | 375.0 | 158.5 | .1 |
| 17 | 42 | 52 | 48.3691 | 145 | 31 | 10.5942 | 375.6 | 159.1 | .1 |
| 18 | 42 | 52 | 48.3548 | 145 | 31 | 9.4925 | 376.6 | 160.2 | .1 |
| 19 | 42 | 52 | 48.3406 | 145 | 31 | 8.3909 | 378.0 | 161.7 | -.1 |
| 20 | 42 | 52 | 48.3263 | 145 | 31 | 7.2892 | 379.0 | 162.5 | .1 |
| 21 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 | 362.5 | | |

06'

044067

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0049
SURVEY NAME :
VOYAGER 19 13100N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : BASE
GRID NAME : VOYAGER 19
LOCAL 13099N 10001E
AMG 5251419N 379476E
OBS. GRAVITY: 9804432.7
BASE HEIGHT : 153.14

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000791 | 13100 | 10025 | 152.11 | 9804433.5 |
| 3 | G(V19)000792 | 13100 | 10075 | 152.32 | 9804431.9 |
| 4 | G(V19)000793 | 13100 | 10100 | 152.80 | 9804430.0 |
| 5 | G(V19)000794 | 13100 | 10125 | 155.86 | 9804423.5 |
| 6 | G(V19)000795 | 13100 | 10150 | 160.46 | 9804414.5 |
| 7 | G(V19)000796 | 13100 | 10175 | 160.54 | 9804410.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5251419 | 379476 |
| 2 | 5251420 | 379500 |
| 3 | 5251420 | 379550 |
| 4 | 5251420 | 379575 |
| 5 | 5251420 | 379600 |
| 6 | 5251420 | 379625 |
| 7 | 5251420 | 379650 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| 1 | 361.3 | 362.8 | 362.5 |
| 2 | 360.0 | 361.8 | 361.1 |
| 3 | 358.8 | 360.3 | 359.9 |
| 4 | 358.0 | 359.5 | 359.2 |
| 5 | 357.6 | 359.4 | 359.2 |
| 6 | 357.9 | 360.7 | 359.7 |
| 7 | 354.6 | 356.6 | 356.0 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| 1 | .47 | .60 | .60 |
| 2 | .43 | .70 | .70 |
| 3 | .43 | .60 | .60 |
| 4 | .47 | .60 | .60 |
| 5 | .61 | .70 | .70 |
| 6 | .70 | 1.10 | 1.00 |
| 7 | .57 | .80 | .80 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |
| 2 | 42 | 52 | 48.5967 | 145 | 31 | 28.2209 |
| 3 | 42 | 52 | 48.6251 | 145 | 31 | 30.4243 |
| 4 | 42 | 52 | 48.6393 | 145 | 31 | 31.5259 |
| 5 | 42 | 52 | 48.6534 | 145 | 31 | 32.6276 |
| 6 | 42 | 52 | 48.6676 | 145 | 31 | 33.7293 |
| 7 | 42 | 52 | 48.6818 | 145 | 31 | 34.8310 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 362.5 | | |
| 2 | 361.1 | 144.7 | -.0 |
| 3 | 359.9 | 143.5 | -.0 |
| 4 | 359.2 | 142.8 | -.0 |
| 5 | 359.2 | 142.8 | -.0 |
| 6 | 359.7 | 143.2 | .1 |
| 7 | 356.0 | 139.6 | -.0 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0050
SURVEY NAME :
VOYAGER 19 13100N 13/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : BASE
GRID NAME : VOYAGER 19
LOCAL 13099N 10001E
AMG 5251419N 379476E
OBS. GRAVITY: 9804432.7
BASE HEIGHT : 153.14

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |
| 2 | G(V19)000796 | 13100 | 10175 | 160.54 | 9804410.7 |
| 3 | G(V19)000797 | 13100 | 10200 | 155.83 | 9804419.4 |
| 4 | G(V19)000798 | 13100 | 10225 | 149.37 | 9804433.0 |
| 5 | G(V19)000799 | 13100 | 10250 | 147.93 | 9804435.1 |
| 6 | G(V19)000800 | 13100 | 10275 | 147.00 | 9804437.2 |
| 7 | G(V19)000801 | 13100 | 10300 | 146.47 | 9804438.1 |
| 8 | G(V19)000802 | 13100 | 10325 | 145.67 | 9804440.1 |
| 9 | G(V19)000803 | 13100 | 10350 | 144.59 | 9804441.4 |
| 10 | G(V19)000804 | 13100 | 10375 | 143.51 | 9804443.1 |
| 11 | G(V19)000805 | 13100 | 10400 | 143.14 | 9804442.1 |
| 12 | BASE | 13099 | 10001 | 153.14 | 9804432.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251419 | 379476 |
| 2 | 5251420 | 379650 |
| 3 | 5251420 | 379675 |
| 4 | 5251420 | 379700 |
| 5 | 5251420 | 379725 |
| 6 | 5251420 | 379750 |
| 7 | 5251420 | 379775 |
| 8 | 5251420 | 379800 |
| 9 | 5251420 | 379825 |
| 10 | 5251420 | 379850 |
| 11 | 5251420 | 379875 |
| 12 | 5251419 | 379476 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |
| | 354.3 | 356.3 | 355.7 | .57 | .80 | .80 |
| | 353.4 | 356.2 | 356.2 | 1.09 | 1.10 | 1.00 |
| | 353.9 | 358.0 | 356.5 | 1.03 | 1.60 | 1.50 |
| | 353.1 | 356.1 | 354.4 | .52 | 1.20 | 1.10 |
| | 353.3 | 355.6 | 354.5 | .47 | .90 | .90 |
| | 353.1 | 354.9 | 354.2 | .43 | .70 | .70 |
| | 353.5 | 355.2 | 354.5 | .42 | .70 | .70 |
| | 352.7 | 354.2 | 353.6 | .37 | .60 | .60 |
| | 352.2 | 353.7 | 353.1 | .36 | .60 | .60 |
| | 350.3 | 351.8 | 351.2 | .35 | .60 | .60 |
| | 361.3 | 362.8 | 362.5 | .47 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |
| 2 | 42 | 52 | 48.6818 | 145 | 31 | 34.8310 |
| 3 | 42 | 52 | 48.6960 | 145 | 31 | 35.9326 |
| 4 | 42 | 52 | 48.7102 | 145 | 31 | 37.0343 |
| 5 | 42 | 52 | 48.7243 | 145 | 31 | 38.1360 |
| 6 | 42 | 52 | 48.7385 | 145 | 31 | 39.2377 |
| 7 | 42 | 52 | 48.7527 | 145 | 31 | 40.3393 |
| 8 | 42 | 52 | 48.7669 | 145 | 31 | 41.4410 |
| 9 | 42 | 52 | 48.7810 | 145 | 31 | 42.5427 |
| 10 | 42 | 52 | 48.7952 | 145 | 31 | 43.6443 |
| 11 | 42 | 52 | 48.8093 | 145 | 31 | 44.7460 |
| 12 | 42 | 52 | 48.6154 | 145 | 31 | 27.1625 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| | 362.5 | | |
| | 355.7 | 139.4 | -.0 |
| | 356.2 | 139.8 | -.0 |
| | 356.5 | 140.1 | -.0 |
| | 354.4 | 138.0 | -.0 |
| | 354.5 | 138.1 | -.0 |
| | 354.2 | 137.8 | -.0 |
| | 354.5 | 138.2 | -.0 |
| | 353.6 | 137.2 | -.0 |
| | 353.1 | 136.7 | -.0 |
| | 351.2 | 134.9 | -.0 |
| | 362.5 | | |

063

044069

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0051
SURVEY NAME :
VOYAGER 19 13100N 28/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000795
GRID NAME : VOYAGER 19
LOCAL 13100N 10150E
AMG 5251420N 379625E
OBS. GRAVITY: 9804414.5
BASE HEIGHT : 160.46

| | STATION NAME | LOCAL N | LOCAL E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000795 | 13100 | 10150 | 160.46 | 9804414.5 |
| 2 | G(V19)000806 | 13100 | 10160 | 160.69 | 9804413.1 |
| 3 | G(V19)000807 | 13100 | 10170 | 160.65 | 9804412.8 |
| 4 | G(V19)000808 | 13100 | 10180 | 160.36 | 9804413.0 |
| 5 | G(V19)000809 | 13100 | 10190 | 158.44 | 9804416.1 |
| 6 | G(V19)000797 | 13100 | 10200 | 155.83 | 9804420.7 |
| 7 | G(V19)000810 | 13100 | 10205 | 154.49 | 9804423.9 |
| 8 | G(V19)000811 | 13100 | 10210 | 152.85 | 9804427.8 |
| 9 | G(V19)000812 | 13100 | 10215 | 151.62 | 9804429.6 |
| 10 | G(V19)000813 | 13100 | 10220 | 150.64 | 9804431.9 |
| 11 | G(V19)000798 | 13100 | 10225 | 149.24 | 9804434.4 |
| 12 | G(V19)000814 | 13100 | 10230 | 148.70 | 9804431.3 |
| 13 | G(V19)000815 | 13100 | 10235 | 148.47 | 9804435.4 |
| 14 | G(V19)000816 | 13100 | 10245 | 148.16 | 9804435.7 |
| 15 | G(V19)000799 | 13100 | 10250 | 147.93 | 9804435.6 |
| 16 | G(V19)000817 | 13100 | 10255 | 147.64 | 9804437.3 |
| 17 | G(V19)000818 | 13100 | 10260 | 147.41 | 9804437.5 |
| 18 | G(V19)000819 | 13100 | 10265 | 147.23 | 9804438.4 |
| 19 | G(V19)000820 | 13100 | 10270 | 147.17 | 9804438.3 |
| 20 | G(V19)000800 | 13100 | 10275 | 146.89 | 9804438.2 |
| 21 | G(V19)000821 | 13100 | 10280 | 146.88 | 9804438.5 |
| 22 | G(V19)000822 | 13100 | 10285 | 146.66 | 9804438.5 |
| 23 | G(V19)000823 | 13100 | 10290 | 146.63 | 9804438.4 |
| 24 | G(V19)000824 | 13100 | 10295 | 146.42 | 9804439.2 |
| 25 | G(V19)000801 | 13100 | 10300 | 146.47 | 9804438.5 |
| 26 | G(V19)000825 | 13100 | 10310 | 146.16 | 9804439.2 |
| 27 | G(V19)000826 | 13100 | 10320 | 145.97 | 9804440.3 |
| 28 | G(V19)000827 | 13100 | 10330 | 145.71 | 9804441.0 |
| 29 | G(V19)000828 | 13100 | 10340 | 145.27 | 9804441.3 |
| 30 | G(V19)000803 | 13100 | 10350 | 144.59 | 9804442.6 |
| 31 | G(V19)000795 | 13100 | 10150 | 160.46 | 9804414.5 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251420 | 379625 | 358.0 | 360.7 | 359.7 | .70 | 1.10 | 1.00 |
| 2 | 5251420 | 379635 | 357.1 | | 358.7 | .66 | 0.00 | 0.00 |
| 3 | 5251420 | 379645 | 356.7 | | 358.2 | .62 | 0.00 | 0.00 |
| 4 | 5251420 | 379655 | 356.3 | | 358.1 | .73 | 0.00 | 0.00 |
| 5 | 5251420 | 379665 | 355.5 | | 358.0 | .99 | 0.00 | 0.00 |
| 6 | 5251420 | 379675 | 354.7 | 357.5 | 357.5 | 1.09 | 1.10 | 1.00 |
| 7 | 5251420 | 379680 | 355.3 | | 358.0 | 1.08 | 0.00 | 0.00 |
| 8 | 5251420 | 379685 | 355.8 | | 358.6 | 1.10 | 0.00 | 0.00 |
| 9 | 5251420 | 379690 | 355.1 | | 357.8 | 1.07 | 0.00 | 0.00 |
| 10 | 5251420 | 379695 | 355.4 | | 358.1 | 1.05 | 0.00 | 0.00 |
| 11 | 5251420 | 379700 | 355.0 | 359.1 | 357.6 | 1.03 | 1.60 | 1.50 |
| 12 | 5251420 | 379705 | 350.8 | | 353.1 | .90 | 0.00 | 0.00 |
| 13 | 5251420 | 379710 | 354.5 | | 356.2 | .66 | 0.00 | 0.00 |
| 14 | 5251420 | 379720 | 354.2 | | 355.6 | .55 | 0.00 | 0.00 |
| 15 | 5251420 | 379725 | 353.6 | 356.6 | 354.9 | .52 | 1.20 | 1.10 |
| 16 | 5251420 | 379730 | 354.7 | | 356.0 | .51 | 0.00 | 0.00 |
| 17 | 5251420 | 379735 | 354.5 | | 355.7 | .50 | 0.00 | 0.00 |
| 18 | 5251420 | 379740 | 355.0 | | 356.2 | .50 | 0.00 | 0.00 |
| 19 | 5251420 | 379745 | 354.7 | | 355.9 | .48 | 0.00 | 0.00 |
| 20 | 5251420 | 379750 | 354.1 | 356.4 | 355.3 | .47 | .90 | .90 |
| 21 | 5251420 | 379755 | 354.4 | | 355.6 | .46 | 0.00 | 0.00 |
| 22 | 5251420 | 379760 | 353.9 | | 355.1 | .45 | 0.00 | 0.00 |
| 23 | 5251420 | 379765 | 353.8 | | 354.9 | .44 | 0.00 | 0.00 |
| 24 | 5251420 | 379770 | 354.1 | | 355.2 | .43 | 0.00 | 0.00 |
| 25 | 5251420 | 379775 | 353.5 | 355.3 | 354.6 | .43 | .70 | .70 |
| 26 | 5251420 | 379785 | 353.6 | | 354.7 | .43 | 0.00 | 0.00 |
| 27 | 5251420 | 379795 | 354.3 | | 355.4 | .43 | 0.00 | 0.00 |
| 28 | 5251420 | 379805 | 354.5 | | 355.5 | .40 | 0.00 | 0.00 |
| 29 | 5251420 | 379815 | 353.9 | | 354.9 | .38 | 0.00 | 0.00 |
| 30 | 5251420 | 379825 | 353.8 | 355.3 | 354.7 | .37 | .60 | .60 |
| 31 | 5251420 | 379625 | 358.0 | 360.7 | 359.7 | .70 | 1.10 | 1.00 |

070

044070

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | Δ-216.4 |
| 1 | 42 | 52 | 48.6676 | 145 | 31 | 33.7293 | 359.7 | | |
| 2 | 42 | 52 | 48.6733 | 145 | 31 | 34.1700 | 358.7 | 142.4 | -.0 |
| 3 | 42 | 52 | 48.6790 | 145 | 31 | 34.6106 | 358.2 | 141.9 | -.0 |
| 4 | 42 | 52 | 48.6846 | 145 | 31 | 35.0513 | 358.1 | 141.7 | -.0 |
| 5 | 42 | 52 | 48.6903 | 145 | 31 | 35.4920 | 358.0 | 141.6 | -.0 |
| 6 | 42 | 52 | 48.6960 | 145 | 31 | 35.9326 | 357.5 | 141.1 | -.0 |
| 7 | 42 | 52 | 48.6988 | 145 | 31 | 36.1530 | 358.0 | 141.6 | -.0 |
| 8 | 42 | 52 | 48.7017 | 145 | 31 | 36.3733 | 358.6 | 142.2 | -.0 |
| 9 | 42 | 52 | 48.7045 | 145 | 31 | 36.5936 | 357.8 | 141.4 | -.0 |
| 10 | 42 | 52 | 48.7073 | 145 | 31 | 36.8140 | 358.1 | 141.7 | -.0 |
| 11 | 42 | 52 | 48.7102 | 145 | 31 | 37.0343 | 357.6 | 141.3 | -.0 |
| 12 | 42 | 52 | 48.7130 | 145 | 31 | 37.2546 | 353.1 | 136.7 | -.0 |
| 13 | 42 | 52 | 48.7158 | 145 | 31 | 37.4750 | 356.2 | 139.8 | -.0 |
| 14 | 42 | 52 | 48.7215 | 145 | 31 | 37.9156 | 355.6 | 139.2 | -.0 |
| 15 | 42 | 52 | 48.7243 | 145 | 31 | 38.1360 | 354.9 | 138.6 | -.0 |
| 16 | 42 | 52 | 48.7272 | 145 | 31 | 38.3563 | 356.0 | 139.7 | -.0 |
| 17 | 42 | 52 | 48.7300 | 145 | 31 | 38.5767 | 355.7 | 139.3 | -.0 |
| 18 | 42 | 52 | 48.7329 | 145 | 31 | 38.7970 | 356.2 | 139.9 | -.0 |
| 19 | 42 | 52 | 48.7357 | 145 | 31 | 39.0173 | 355.9 | 139.6 | -.0 |
| 20 | 42 | 52 | 48.7385 | 145 | 31 | 39.2377 | 355.3 | 138.9 | -.0 |
| 21 | 42 | 52 | 48.7414 | 145 | 31 | 39.4580 | 355.6 | 139.2 | -.0 |
| 22 | 42 | 52 | 48.7442 | 145 | 31 | 39.6783 | 355.1 | 138.7 | -.0 |
| 23 | 42 | 52 | 48.7470 | 145 | 31 | 39.8987 | 354.9 | 138.5 | -.0 |
| 24 | 42 | 52 | 48.7499 | 145 | 31 | 40.1190 | 355.2 | 138.9 | -.0 |
| 25 | 42 | 52 | 48.7527 | 145 | 31 | 40.3393 | 354.6 | 138.2 | -.0 |
| 26 | 42 | 52 | 48.7584 | 145 | 31 | 40.7800 | 354.7 | 138.3 | -.0 |
| 27 | 42 | 52 | 48.7640 | 145 | 31 | 41.2207 | 355.4 | 139.0 | -.0 |
| 28 | 42 | 52 | 48.7697 | 145 | 31 | 41.6613 | 355.5 | 139.2 | -.0 |
| 29 | 42 | 52 | 48.7754 | 145 | 31 | 42.1020 | 354.9 | 138.5 | -.0 |
| 30 | 42 | 52 | 48.7810 | 145 | 31 | 42.5427 | 354.7 | 138.4 | -.0 |
| 31 | 42 | 52 | 48.6676 | 145 | 31 | 33.7293 | 359.7 | | |

07

044071

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0052
SURVEY NAME :
VOYAGER 19 13150N 18/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000002
GRID NAME : VOYAGER 19
LOCAL 13150N 10000E
AMG 5251470N 379475E
OBS. GRAVITY: 9804437.7
BASE HEIGHT : 151.71

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000002 | 13150 | 10000 | 151.71 | 9804437.7 |
| 2 | G(V19)000829 | 13150 | 10025 | 151.58 | 9804436.6 |
| 3 | G(V19)000830 | 13150 | 10050 | 151.39 | 9804435.4 |
| 4 | G(V19)000831 | 13150 | 10075 | 151.50 | 9804434.3 |
| 5 | G(V19)000832 | 13150 | 10100 | 153.27 | 9804429.5 |
| 6 | G(V19)000833 | 13150 | 10125 | 156.82 | 9804421.0 |
| 7 | G(V19)000834 | 13150 | 10150 | 159.98 | 9804412.1 |
| 8 | G(V19)000835 | 13150 | 10175 | 158.70 | 9804411.6 |
| 9 | G(V19)000831 | 13150 | 10075 | 151.50 | 9804434.3 |
| 10 | G(V19)000836 | 13150 | 9975 | 152.52 | 9804437.0 |
| 11 | G(V19)000837 | 13150 | 9950 | 152.26 | 9804438.8 |
| 12 | G(V19)000838 | 13150 | 9925 | 152.03 | 9804440.9 |
| 13 | G(V19)000839 | 13150 | 9900 | 152.30 | 9804442.4 |
| 14 | G(V19)000802 | 13150 | 10000 | 151.71 | 9804437.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251470 | 379475 |
| 2 | 5251470 | 379500 |
| 3 | 5251470 | 379525 |
| 4 | 5251470 | 379550 |
| 5 | 5251470 | 379575 |
| 6 | 5251470 | 379600 |
| 7 | 5251470 | 379625 |
| 8 | 5251470 | 379650 |
| 9 | 5251470 | 379550 |
| 10 | 5251470 | 379450 |
| 11 | 5251470 | 379425 |
| 12 | 5251470 | 379400 |
| 13 | 5251470 | 379375 |
| 14 | 5251470 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 363.8 | 365.3 | 365.1 | .50 | .60 | .60 |
| 2 | 362.5 | 364.0 | 363.5 | .41 | .60 | .60 |
| 3 | 360.8 | 362.3 | 361.8 | .37 | .60 | .60 |
| 4 | 360.0 | 361.5 | 361.0 | .38 | .60 | .60 |
| 5 | 358.8 | 360.3 | 359.8 | .40 | .60 | .60 |
| 6 | 357.5 | 359.5 | 358.7 | .48 | .80 | .80 |
| 7 | 355.0 | 357.3 | 356.5 | .57 | .90 | .90 |
| 8 | 351.9 | 353.9 | 353.1 | .48 | .80 | .80 |
| 9 | 360.0 | 361.5 | 361.0 | .38 | .60 | .60 |
| 10 | 364.7 | 366.2 | 366.0 | .49 | .60 | .60 |
| 11 | 366.0 | 367.5 | 367.2 | .48 | .60 | .60 |
| 12 | 367.7 | 369.4 | 368.9 | .50 | .70 | .70 |
| 13 | 369.7 | 372.0 | 371.1 | .57 | .90 | .90 |
| 14 | 363.8 | 365.3 | 365.1 | .50 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 46.9621 | 145 | 31 | 27.1579 |
| 2 | 42 | 52 | 46.9763 | 145 | 31 | 28.2595 |
| 3 | 42 | 52 | 46.9905 | 145 | 31 | 29.3612 |
| 4 | 42 | 52 | 47.0047 | 145 | 31 | 30.4629 |
| 5 | 42 | 52 | 47.0188 | 145 | 31 | 31.5645 |
| 6 | 42 | 52 | 47.0330 | 145 | 31 | 32.6662 |
| 7 | 42 | 52 | 47.0472 | 145 | 31 | 33.7679 |
| 8 | 42 | 52 | 47.0614 | 145 | 31 | 34.8695 |
| 9 | 42 | 52 | 47.0047 | 145 | 31 | 30.4629 |
| 10 | 42 | 52 | 46.9478 | 145 | 31 | 26.0562 |
| 11 | 42 | 52 | 46.9336 | 145 | 31 | 24.9545 |
| 12 | 42 | 52 | 46.9194 | 145 | 31 | 23.8529 |
| 13 | 42 | 52 | 46.9052 | 145 | 31 | 22.7512 |
| 14 | 42 | 52 | 46.9621 | 145 | 31 | 27.1579 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 365.1 | | |
| | 363.5 | 147.1 | .0 |
| | 361.8 | 145.4 | .0 |
| | 361.0 | 144.5 | .0 |
| | 359.8 | 143.4 | .0 |
| | 358.7 | 142.3 | -.0 |
| | 356.5 | 140.1 | -.0 |
| | 353.1 | 136.7 | -.0 |
| | 361.0 | | |
| | 366.0 | 149.5 | .0 |
| | 367.2 | 150.8 | .0 |
| | 368.9 | 152.5 | .0 |
| | 371.1 | 154.7 | .0 |
| | 365.1 | | |

J7-

044072

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0053
SURVEY NAME :
VOYAGER 19 13200N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000003
GRID NAME : VOYAGER 19
LOCAL 13200N 10000E
AMG 5251520N 379475E
OBS. GRAVITY: 9804439.9
BASE HEIGHT : 150.37

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |
| 2 | G(V19)000840 | 13200 | 9975 | 151.77 | 9804438.6 |
| 3 | G(V19)000841 | 13200 | 9950 | 152.82 | 9804438.1 |
| 4 | G(V19)000842 | 13200 | 9925 | 152.08 | 9804440.7 |
| 5 | G(V19)000843 | 13200 | 9900 | 149.03 | 9804448.2 |
| 6 | G(V19)000844 | 13200 | 9875 | 145.96 | 9804456.0 |
| 7 | G(V19)000845 | 13200 | 9850 | 142.39 | 9804462.9 |
| 8 | G(V19)000846 | 13200 | 9825 | 138.41 | 9804471.8 |
| 9 | G(V19)000847 | 13200 | 9800 | 136.78 | 9804476.7 |
| 10 | G(V19)000848 | 13200 | 9775 | 134.95 | 9804480.9 |
| 11 | G(V19)000849 | 13200 | 9750 | 132.28 | 9804487.1 |
| 12 | G(V19)000850 | 13200 | 9725 | 131.63 | 9804488.4 |
| 13 | G(V19)000851 | 13200 | 9700 | 131.60 | 9804489.1 |
| 14 | G(V19)000852 | 13200 | 9675 | 130.51 | 9804492.1 |
| 15 | G(V19)000853 | 13200 | 9650 | 126.95 | 9804499.5 |
| 16 | G(V19)000854 | 13200 | 9625 | 124.53 | 9804505.6 |
| 17 | G(V19)000855 | 13200 | 9600 | 119.21 | 9804515.5 |
| 18 | G(V19)000856 | 13200 | 9575 | 117.59 | 9804520.6 |
| 19 | G(V19)000857 | 13200 | 9550 | 116.48 | 9804522.9 |
| 20 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5251520 | 379475 |
| 2 | 5251520 | 379450 |
| 3 | 5251520 | 379425 |
| 4 | 5251520 | 379400 |
| 5 | 5251520 | 379375 |
| 6 | 5251520 | 379350 |
| 7 | 5251520 | 379325 |
| 8 | 5251520 | 379300 |
| 9 | 5251520 | 379275 |
| 10 | 5251520 | 379250 |
| 11 | 5251520 | 379225 |
| 12 | 5251520 | 379200 |
| 13 | 5251520 | 379175 |
| 14 | 5251520 | 379150 |
| 15 | 5251520 | 379125 |
| 16 | 5251520 | 379100 |
| 17 | 5251520 | 379075 |
| 18 | 5251520 | 379050 |
| 19 | 5251520 | 379025 |
| 20 | 5251520 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 363.7 | 365.2 | 364.7 | .38 | .60 | .60 |
| | 365.2 | 366.7 | 366.2 | .39 | .60 | .60 |
| | 366.9 | 368.7 | 368.0 | .43 | .70 | .70 |
| | 368.0 | 370.0 | 369.3 | .51 | .80 | .80 |
| | 369.4 | 371.4 | 371.0 | .66 | .80 | .80 |
| | 370.9 | 372.9 | 372.6 | .67 | .80 | .80 |
| | 370.5 | 372.6 | 372.3 | .71 | .80 | .80 |
| | 371.4 | 373.2 | 372.8 | .57 | .70 | .70 |
| | 373.0 | 374.7 | 374.2 | .50 | .70 | .70 |
| | 373.4 | 375.2 | 374.8 | .56 | .70 | .70 |
| | 374.3 | 376.0 | 375.9 | .67 | .70 | .70 |
| | 374.2 | 375.9 | 375.8 | .65 | .70 | .70 |
| | 374.8 | 376.6 | 376.4 | .63 | .70 | .70 |
| | 375.6 | 377.6 | 377.3 | .65 | .80 | .80 |
| | 375.8 | 377.8 | 377.6 | .71 | .80 | .80 |
| | 377.0 | 379.3 | 379.0 | .77 | .90 | .90 |
| | 376.1 | 378.4 | 377.7 | .63 | .90 | .90 |
| | 378.0 | | 379.2 | .50 | 0.00 | 0.00 |
| | 378.0 | | 379.1 | .43 | 0.00 | 0.00 |
| | 363.7 | 365.2 | 364.7 | .38 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |
| 2 | 42 | 52 | 45.3274 | 145 | 31 | 26.0948 |
| 3 | 42 | 52 | 45.3132 | 145 | 31 | 24.9932 |
| 4 | 42 | 52 | 45.2990 | 145 | 31 | 23.8915 |
| 5 | 42 | 52 | 45.2848 | 145 | 31 | 22.7899 |
| 6 | 42 | 52 | 45.2706 | 145 | 31 | 21.6882 |
| 7 | 42 | 52 | 45.2564 | 145 | 31 | 20.5866 |
| 8 | 42 | 52 | 45.2422 | 145 | 31 | 19.4849 |
| 9 | 42 | 52 | 45.2279 | 145 | 31 | 18.3833 |
| 10 | 42 | 52 | 45.2137 | 145 | 31 | 17.2816 |
| 11 | 42 | 52 | 45.1995 | 145 | 31 | 16.1800 |
| 12 | 42 | 52 | 45.1852 | 145 | 31 | 15.0783 |
| 13 | 42 | 52 | 45.1710 | 145 | 31 | 13.9766 |
| 14 | 42 | 52 | 45.1568 | 145 | 31 | 12.8750 |
| 15 | 42 | 52 | 45.1425 | 145 | 31 | 11.7733 |
| 16 | 42 | 52 | 45.1283 | 145 | 31 | 10.6717 |
| 17 | 42 | 52 | 45.1140 | 145 | 31 | 9.5700 |
| 18 | 42 | 52 | 45.0998 | 145 | 31 | 8.4684 |
| 19 | 42 | 52 | 45.0855 | 145 | 31 | 7.3667 |
| 20 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |

| | BOUGUER GRAVITY HAMMER | SUMPTON a-216.4 | |
|---|---|---|---|
| | 364.7 | | |
| | 366.2 | 149.8 | -.1 |
| | 368.0 | 151.6 | -.0 |
| | 369.3 | 152.9 | -.0 |
| | 371.0 | 154.7 | -.0 |
| | 372.6 | 156.2 | -.0 |
| | 372.3 | 156.0 | -.0 |
| | 372.8 | 156.3 | .1 |
| | 374.2 | 157.8 | -.0 |
| | 374.8 | 158.4 | -.0 |
| | 375.9 | 159.5 | -.0 |
| | 375.8 | 159.4 | .0 |
| | 376.4 | 160.0 | .0 |
| | 377.3 | 160.6 | .2 |
| | 377.6 | 161.2 | .0 |
| | 379.0 | 162.5 | .0 |
| | 377.7 | 161.3 | .0 |
| | 379.2 | 162.8 | .0 |
| | 379.1 | 162.6 | .0 |
| | 364.7 | | |

375

044073

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0054
SURVEY NAME :
VOYAGER 19 13200N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000003
GRID NAME : VOYAGER 19
LOCAL 13200N 10000E
AMG 5251520N 379475E
OBS. GRAVITY: 9804439.9
BASE HEIGHT : 150.37

| | STATION NAME | LOCAL N | LOCAL E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |
| 2 | G(V19)000858 | 13200 | 10025 | 150.45 | 9804439.1 |
| 3 | G(V19)000859 | 13200 | 10050 | 150.86 | 9804434.8 |
| 4 | G(V19)000860 | 13200 | 10075 | 151.64 | 9804432.5 |
| 5 | G(V19)000861 | 13200 | 10100 | 153.99 | 9804426.5 |
| 6 | G(V19)000862 | 13200 | 10125 | 155.99 | 9804419.7 |
| 7 | G(V19)000863 | 13200 | 10150 | 153.89 | 9804422.8 |
| 8 | G(V19)000864 | 13200 | 10175 | 150.42 | 9804429.9 |
| 9 | G(V19)000865 | 13200 | 10200 | 149.20 | 9804431.5 |
| 10 | G(V19)000866 | 13200 | 10225 | 148.63 | 9804432.4 |
| 11 | G(V19)000867 | 13200 | 10250 | 148.24 | 9804432.6 |
| 12 | G(V19)000868 | 13200 | 10275 | 148.19 | 9804431.6 |
| 13 | G(V19)000869 | 13200 | 10300 | 148.73 | 9804431.3 |
| 14 | G(V19)000870 | 13200 | 10325 | 146.65 | 9804434.8 |
| 15 | G(V19)000871 | 13200 | 10350 | 146.58 | 9804434.8 |
| 16 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5251520 | 379475 |
| 2 | 5251520 | 379500 |
| 3 | 5251520 | 379525 |
| 4 | 5251520 | 379550 |
| 5 | 5251520 | 379575 |
| 6 | 5251520 | 379600 |
| 7 | 5251520 | 379625 |
| 8 | 5251520 | 379650 |
| 9 | 5251520 | 379675 |
| 10 | 5251520 | 379700 |
| 11 | 5251520 | 379725 |
| 12 | 5251520 | 379750 |
| 13 | 5251520 | 379775 |
| 14 | 5251520 | 379800 |
| 15 | 5251520 | 379825 |
| 16 | 5251520 | 379475 |

| | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|
| 1 | 363.7 | 365.2 | 364.7 | .38 | .60 | .60 |
| 2 | 363.1 | 364.3 | 364.0 | .36 | .50 | .50 |
| 3 | 359.6 | 360.9 | 360.5 | .35 | .50 | .50 |
| 4 | 358.9 | 360.1 | 359.7 | .32 | .50 | .50 |
| 5 | 357.6 | 359.1 | 358.4 | .32 | .60 | .60 |
| 6 | 354.9 | 356.6 | 355.7 | .32 | .70 | .70 |
| 7 | 353.7 | 355.5 | 354.5 | .31 | .70 | .70 |
| 8 | 353.8 | 356.3 | 354.5 | .31 | 1.00 | .90 |
| 9 | 352.9 | 354.9 | 353.7 | .32 | .80 | .80 |
| 10 | 352.7 | 354.2 | 353.5 | .30 | .60 | .60 |
| 11 | 352.0 | 353.3 | 352.7 | .27 | .50 | .50 |
| 12 | 350.9 | 352.2 | 351.6 | .26 | .50 | .50 |
| 13 | 351.7 | 353.0 | 352.3 | .25 | .50 | .50 |
| 14 | 351.0 | 352.2 | 351.7 | .27 | .50 | .50 |
| 15 | 350.8 | 352.1 | 351.6 | .28 | .50 | .50 |
| 16 | 363.7 | 365.2 | 364.7 | .38 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |
| 2 | 42 | 52 | 45.3558 | 145 | 31 | 28.2982 |
| 3 | 42 | 52 | 45.3700 | 145 | 31 | 29.3998 |
| 4 | 42 | 52 | 45.3842 | 145 | 31 | 30.5015 |
| 5 | 42 | 52 | 45.3984 | 145 | 31 | 31.6031 |
| 6 | 42 | 52 | 45.4126 | 145 | 31 | 32.7048 |
| 7 | 42 | 52 | 45.4268 | 145 | 31 | 33.8064 |
| 8 | 42 | 52 | 45.4410 | 145 | 31 | 34.9081 |
| 9 | 42 | 52 | 45.4552 | 145 | 31 | 36.0098 |
| 10 | 42 | 52 | 45.4694 | 145 | 31 | 37.1114 |
| 11 | 42 | 52 | 45.4835 | 145 | 31 | 38.2131 |
| 12 | 42 | 52 | 45.4977 | 145 | 31 | 39.3147 |
| 13 | 42 | 52 | 45.5119 | 145 | 31 | 40.4164 |
| 14 | 42 | 52 | 45.5260 | 145 | 31 | 41.5180 |
| 15 | 42 | 52 | 45.5402 | 145 | 31 | 42.6197 |
| 16 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |

| | BOUGUER GRAVITY HAMMER | BOUGUER GRAVITY SUMPTON | BOUGUER GRAVITY Δ-216.4 |
|---|---|---|---|
| 1 | 364.7 | | |
| 2 | 364.0 | 147.6 | -.1 |
| 3 | 360.5 | 144.2 | -.1 |
| 4 | 359.7 | 143.3 | -.1 |
| 5 | 358.4 | 142.1 | -.1 |
| 6 | 355.7 | 139.3 | -.1 |
| 7 | 354.5 | 138.2 | -.1 |
| 8 | 354.5 | 138.2 | -.1 |
| 9 | 353.7 | 137.4 | -.1 |
| 10 | 353.5 | 137.1 | -.1 |
| 11 | 352.7 | 136.4 | -.1 |
| 12 | 351.6 | 135.2 | -.1 |
| 13 | 352.3 | 136.0 | -.1 |
| 14 | 351.7 | 135.4 | -.1 |
| 15 | 351.6 | 135.2 | -.1 |
| 16 | 364.7 | | |

074

044074

# GEOPEKO GRAVITY SURVEY

FILE : TG0055
SURVEY NAME :
VOYAGER 19 13200N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000003
GRID NAME : VOYAGER 19
LOCAL 13200N 10000E
AMG 5251520N 379475E
OBS. GRAVITY: 9804439.9
BASE HEIGHT : 150.37

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |
| 2 | G(V19)000871 | 13200 | 10350 | 146.58 | 9804434.9 |
| 3 | G(V19)000872 | 13200 | 10375 | 146.19 | 9804432.2 |
| 4 | G(V19)000873 | 13200 | 10400 | 152.68 | 9804417.2 |
| 5 | G(V19)000874 | 13200 | 10425 | 161.43 | 9804398.1 |
| 6 | G(V19)000875 | 13200 | 10450 | 162.68 | 9804395.0 |
| 7 | G(V19)000876 | 13200 | 10475 | 161.02 | 9804400.1 |
| 8 | G(V19)000877 | 13200 | 10500 | 158.06 | 9804405.7 |
| 9 | G(V19)000878 | 13200 | 10525 | 156.63 | 9804405.1 |
| 10 | G(V19)000879 | 13200 | 10550 | 154.28 | 9804409.8 |
| 11 | G(V19)000880 | 13200 | 10575 | 149.21 | 9804418.5 |
| 12 | G(V19)000881 | 13200 | 10600 | 148.79 | 9804419.3 |
| 13 | G(V19)000882 | 13200 | 10625 | 146.37 | 9804423.7 |
| 14 | G(V19)000883 | 13200 | 10650 | 146.08 | 9804424.5 |
| 15 | G(V19)000884 | 13200 | 10675 | 144.67 | 9804426.8 |
| 16 | G(V19)000885 | 13200 | 10700 | 142.92 | 9804429.1 |
| 17 | G(V19)000886 | 13200 | 10725 | 142.35 | 9804429.5 |
| 18 | G(V19)000887 | 13200 | 10750 | 141.21 | 9804430.3 |
| 19 | G(V19)000888 | 13200 | 10775 | 140.88 | 9804428.9 |
| 20 | G(V19)000889 | 13200 | 10800 | 140.95 | 9804427.9 |
| 21 | G(V19)000879 | 13200 | 10550 | 154.28 | 9804409.8 |
| 22 | G(V19)000871 | 13200 | 10350 | 146.58 | 9804434.9 |
| 23 | G(V19)000003 | 13200 | 10000 | 150.37 | 9804439.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5251520 | 379475 |
| 2 | 5251520 | 379825 |
| 3 | 5251520 | 379850 |
| 4 | 5251520 | 379875 |
| 5 | 5251520 | 379900 |
| 6 | 5251520 | 379925 |
| 7 | 5251520 | 379950 |
| 8 | 5251520 | 379975 |
| 9 | 5251520 | 380000 |
| 10 | 5251520 | 380025 |
| 11 | 5251520 | 380050 |
| 12 | 5251520 | 380075 |
| 13 | 5251520 | 380100 |
| 14 | 5251520 | 380125 |
| 15 | 5251520 | 380150 |
| 16 | 5251520 | 380175 |
| 17 | 5251520 | 380200 |
| 18 | 5251520 | 380225 |
| 19 | 5251520 | 380250 |
| 20 | 5251520 | 380275 |
| 21 | 5251520 | 380025 |
| 22 | 5251520 | 379825 |
| 23 | 5251520 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| | 363.7 | 365.2 | 364.7 |
| | 351.0 | 352.3 | 351.7 |
| | 347.5 | 349.0 | 348.5 |
| | 345.7 | 348.4 | 347.2 |
| | 344.3 | 349.6 | 346.9 |
| | 343.7 | 347.3 | 345.9 |
| | 345.5 | 347.7 | 347.5 |
| | 345.1 | 347.1 | 346.5 |
| | 341.6 | 343.3 | 343.0 |
| | 341.4 | 342.9 | 342.7 |
| | 339.9 | 341.9 | 341.1 |
| | 339.8 | 341.1 | 340.8 |
| | 339.3 | | 340.1 |
| | 339.5 | | 340.3 |
| | 338.9 | | 339.7 |
| | 337.7 | | 338.5 |
| | 337.0 | | 337.7 |
| | 335.5 | | 336.2 |
| | 333.4 | | 334.1 |
| | 332.5 | | 333.2 |
| | 341.4 | 342.9 | 342.7 |
| | 351.0 | 352.3 | 351.7 |
| | 363.7 | 365.2 | 364.7 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| | .38 | .60 | .60 |
| | .28 | .50 | .50 |
| | .41 | .60 | .60 |
| | .61 | 1.10 | 1.00 |
| | 1.02 | 2.10 | 2.00 |
| | .88 | 1.40 | 1.40 |
| | .82 | .90 | .90 |
| | .55 | .80 | .70 |
| | .55 | .70 | .60 |
| | .50 | .60 | .60 |
| | .45 | .80 | .70 |
| | .41 | .50 | .50 |
| | .34 | 0.00 | 0.00 |
| | .31 | 0.00 | 0.00 |
| | .31 | 0.00 | 0.00 |
| | .30 | 0.00 | 0.00 |
| | .30 | 0.00 | 0.00 |
| | .29 | 0.00 | 0.00 |
| | .28 | 0.00 | 0.00 |
| | .27 | 0.00 | 0.00 |
| | .50 | .60 | .60 |
| | .28 | .50 | .50 |
| | .38 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |
| 2 | 42 | 52 | 45.5402 | 145 | 31 | 42.6197 |
| 3 | 42 | 52 | 45.5544 | 145 | 31 | 43.7214 |
| 4 | 42 | 52 | 45.5685 | 145 | 31 | 44.8230 |
| 5 | 42 | 52 | 45.5827 | 145 | 31 | 45.9247 |
| 6 | 42 | 52 | 45.5968 | 145 | 31 | 47.0263 |
| 7 | 42 | 52 | 45.6110 | 145 | 31 | 48.1280 |
| 8 | 42 | 52 | 45.6251 | 145 | 31 | 49.2297 |
| 9 | 42 | 52 | 45.6393 | 145 | 31 | 50.3313 |
| 10 | 42 | 52 | 45.6534 | 145 | 31 | 51.4330 |
| 11 | 42 | 52 | 45.6675 | 145 | 31 | 52.5346 |
| 12 | 42 | 52 | 45.6817 | 145 | 31 | 53.6363 |
| 13 | 42 | 52 | 45.6958 | 145 | 31 | 54.7380 |
| 14 | 42 | 52 | 45.7099 | 145 | 31 | 55.8396 |
| 15 | 42 | 52 | 45.7241 | 145 | 31 | 56.9413 |
| 16 | 42 | 52 | 45.7382 | 145 | 31 | 58.0429 |
| 17 | 42 | 52 | 45.7523 | 145 | 31 | 59.1446 |
| 18 | 42 | 52 | 45.7664 | 145 | 32 | 0.2463 |
| 19 | 42 | 52 | 45.7805 | 145 | 32 | 1.3479 |
| 20 | 42 | 52 | 45.7946 | 145 | 32 | 2.4496 |
| 21 | 42 | 52 | 45.6534 | 145 | 31 | 51.4330 |
| 22 | 42 | 52 | 45.5402 | 145 | 31 | 42.6197 |
| 23 | 42 | 52 | 45.3416 | 145 | 31 | 27.1965 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 364.7 | | |
| | 351.7 | 135.4 | -.1 |
| | 348.5 | 132.2 | -.1 |
| | 347.2 | 130.9 | -.1 |
| | 346.9 | 130.6 | -.1 |
| | 345.9 | 129.7 | -.1 |
| | 347.5 | 131.3 | -.1 |
| | 346.5 | 130.2 | -.1 |
| | 343.0 | 126.7 | -.1 |
| | 342.7 | 126.5 | -.2 |
| | 341.1 | 124.8 | -.1 |
| | 340.8 | 124.6 | -.1 |
| | 340.1 | 123.9 | -.1 |
| | 340.3 | 124.0 | -.1 |
| | 339.7 | 123.3 | -.0 |
| | 338.5 | 122.2 | -.1 |
| | 337.7 | 121.5 | -.1 |
| | 336.2 | 119.9 | -.2 |
| | 334.1 | 117.8 | -.2 |
| | 333.2 | 116.9 | -.2 |
| | 342.7 | | |
| | 351.7 | | |
| | 364.7 | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0056
SURVEY NAME :
VOYAGER 19 13250N 18/11/81

GRAV. METER : LRG326
SCALE FACTOR: 10.6130
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000004
GRID NAME : VOYAGER 19
LOCAL 13250N 10000E
AMG 5251570N 379475E
OBS. GRAVITY: 9804440.8
BASE HEIGHT : 149.58

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000004 | 13250 | 10000 | 149.58 | 9804440.8 |
| 2 | G(V19)000890 | 13250 | 10025 | 151.02 | 9804436.2 |
| 3 | G(V19)000891 | 13250 | 10050 | 153.07 | 9804430.2 |
| 4 | G(V19)000892 | 13250 | 10075 | 151.89 | 9804432.2 |
| 5 | G(V19)000893 | 13250 | 10100 | 151.11 | 9804432.7 |
| 6 | G(V19)000894 | 13250 | 10125 | 151.49 | 9804430.7 |
| 7 | G(V19)000895 | 13250 | 10150 | 150.11 | 9804431.5 |
| 8 | G(V19)000896 | 13250 | 10175 | 149.57 | 9804432.7 |
| 9 | G(V19)000897 | 13250 | 10200 | 149.39 | 9804431.9 |
| 10 | G(V19)000891 | 13250 | 10050 | 153.07 | 9804430.0 |
| 11 | G(V19)000898 | 13250 | 9975 | 148.88 | 9804444.0 |
| 12 | G(V19)000899 | 13250 | 9950 | 148.79 | 9804445.3 |
| 13 | G(V19)000900 | 13250 | 9925 | 146.93 | 9804449.8 |
| 14 | G(V19)000901 | 13250 | 9900 | 146.01 | 9804453.2 |
| 15 | G(V19)000004 | 13250 | 10000 | 149.58 | 9804440.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5251570 | 379475 |
| 2 | 5251570 | 379500 |
| 3 | 5251570 | 379525 |
| 4 | 5251570 | 379550 |
| 5 | 5251570 | 379575 |
| 6 | 5251570 | 379600 |
| 7 | 5251570 | 379625 |
| 8 | 5251570 | 379650 |
| 9 | 5251570 | 379675 |
| 10 | 5251570 | 379525 |
| 11 | 5251570 | 379450 |
| 12 | 5251570 | 379425 |
| 13 | 5251570 | 379400 |
| 14 | 5251570 | 379375 |
| 15 | 5251570 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 363.4 | 364.7 | 364.3 | .34 | .50 | .50 |
| | 361.8 | 363.0 | 362.6 | .31 | .50 | .50 |
| | 359.9 | 361.4 | 360.6 | .30 | .60 | .60 |
| | 359.5 | 360.8 | 360.3 | .30 | .50 | .50 |
| | 358.4 | 359.7 | 359.2 | .29 | .50 | .50 |
| | 357.2 | 358.5 | 357.9 | .27 | .50 | .50 |
| | 355.1 | 356.6 | 355.8 | .26 | .60 | .60 |
| | 355.3 | 356.6 | 355.9 | .25 | .50 | .50 |
| | 354.1 | 355.3 | 354.7 | .25 | .50 | .50 |
| | 359.7 | 361.2 | 360.4 | .30 | .60 | .60 |
| | 365.2 | 366.7 | 366.1 | .36 | .60 | .60 |
| | 366.3 | 367.8 | 367.2 | .35 | .60 | .60 |
| | 367.1 | 368.8 | 368.0 | .38 | .70 | .70 |
| | 368.6 | 370.4 | 369.7 | .45 | .70 | .70 |
| | 363.4 | 364.7 | 364.3 | .34 | .50 | .50 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 43.7212 | 145 | 31 | 27.2351 |
| 2 | 42 | 52 | 43.7354 | 145 | 31 | 28.3368 |
| 3 | 42 | 52 | 43.7496 | 145 | 31 | 29.4384 |
| 4 | 42 | 52 | 43.7638 | 145 | 31 | 30.5401 |
| 5 | 42 | 52 | 43.7780 | 145 | 31 | 31.6417 |
| 6 | 42 | 52 | 43.7922 | 145 | 31 | 32.7434 |
| 7 | 42 | 52 | 43.8064 | 145 | 31 | 33.8450 |
| 8 | 42 | 52 | 43.8206 | 145 | 31 | 34.9467 |
| 9 | 42 | 52 | 43.8348 | 145 | 31 | 36.0483 |
| 10 | 42 | 52 | 43.7496 | 145 | 31 | 29.4384 |
| 11 | 42 | 52 | 43.7070 | 145 | 31 | 26.1335 |
| 12 | 42 | 52 | 43.6928 | 145 | 31 | 25.0318 |
| 13 | 42 | 52 | 43.6786 | 145 | 31 | 23.9302 |
| 14 | 42 | 52 | 43.6644 | 145 | 31 | 22.8285 |
| 15 | 42 | 52 | 43.7212 | 145 | 31 | 27.2351 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 364.3 | | |
| | 362.6 | 146.2 | -.1 |
| | 360.6 | 144.3 | -.1 |
| | 360.3 | 143.9 | -.1 |
| | 359.2 | 142.8 | -.1 |
| | 357.9 | 141.6 | -.1 |
| | 355.8 | 139.5 | -.1 |
| | 355.9 | 139.6 | -.1 |
| | 354.7 | 138.4 | -.1 |
| | 360.4 | | |
| | 366.1 | 149.7 | -.1 |
| | 367.2 | 150.8 | -.1 |
| | 368.0 | 151.7 | -.0 |
| | 369.7 | 153.4 | -.0 |
| | 364.3 | | |

072

044076

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0057
SURVEY NAME :
VOYAGER 19 13300N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000005
GRID NAME : VOYAGER 19
LOCAL 13300N 10000E
AMG 5251620N 379475E
OBS. GRAVITY: 9804437.6
BASE HEIGHT : 150.67

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |
| 2 | G(V19)000902 | 13300 | 9975 | 149.37 | 9804441.4 |
| 3 | G(V19)000903 | 13300 | 9950 | 149.03 | 9804443.9 |
| 4 | G(V19)000904 | 13300 | 9925 | 149.06 | 9804443.9 |
| 5 | G(V19)000905 | 13300 | 9900 | 145.89 | 9804451.7 |
| 6 | G(V19)000906 | 13300 | 9875 | 142.31 | 9804460.3 |
| 7 | G(V19)000907 | 13300 | 9850 | 138.81 | 9804467.7 |
| 8 | G(V19)000908 | 13300 | 9825 | 136.84 | 9804470.4 |
| 9 | G(V19)000909 | 13300 | 9800 | 134.35 | 9804478.2 |
| 10 | G(V19)000910 | 13300 | 9775 | 132.66 | 9804481.4 |
| 11 | G(V19)000911 | 13300 | 9750 | 130.25 | 9804487.6 |
| 12 | G(V19)000912 | 13300 | 9725 | 128.38 | 9804492.4 |
| 13 | G(V19)000913 | 13300 | 9700 | 125.72 | 9804498.9 |
| 14 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5251620 | 379475 |
| 2 | 5251620 | 379450 |
| 3 | 5251620 | 379425 |
| 4 | 5251620 | 379400 |
| 5 | 5251620 | 379375 |
| 6 | 5251620 | 379350 |
| 7 | 5251620 | 379325 |
| 8 | 5251620 | 379300 |
| 9 | 5251620 | 379275 |
| 10 | 5251620 | 379250 |
| 11 | 5251620 | 379225 |
| 12 | 5251620 | 379200 |
| 13 | 5251620 | 379175 |
| 14 | 5251620 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |
| | 364.0 | 365.5 | 364.8 | .34 | .60 | .50 |
| | 365.8 | 367.3 | 366.9 | .43 | .60 | .60 |
| | 365.9 | 367.9 | 367.0 | .45 | .80 | .80 |
| | 367.2 | 369.2 | 368.6 | .54 | .80 | .80 |
| | 368.6 | 370.6 | 370.0 | .55 | .80 | .70 |
| | 368.9 | 370.6 | 370.2 | .53 | .70 | .70 |
| | 367.6 | 369.4 | 368.7 | .44 | .70 | .70 |
| | 370.3 | 372.1 | 371.5 | .47 | .70 | .70 |
| | 370.1 | 371.9 | 371.4 | .49 | .70 | .70 |
| | 371.4 | 373.1 | 372.6 | .49 | .70 | .70 |
| | 372.4 | 374.1 | 373.8 | .55 | .70 | .70 |
| | 373.5 | 375.3 | 374.9 | .54 | .70 | .70 |
| | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |
| 2 | 42 | 52 | 42.0866 | 145 | 31 | 26.1721 |
| 3 | 42 | 52 | 42.0724 | 145 | 31 | 25.0705 |
| 4 | 42 | 52 | 42.0582 | 145 | 31 | 23.9688 |
| 5 | 42 | 52 | 42.0440 | 145 | 31 | 22.8672 |
| 6 | 42 | 52 | 42.0298 | 145 | 31 | 21.7656 |
| 7 | 42 | 52 | 42.0156 | 145 | 31 | 20.6639 |
| 8 | 42 | 52 | 42.0013 | 145 | 31 | 19.5623 |
| 9 | 42 | 52 | 41.9871 | 145 | 31 | 18.4606 |
| 10 | 42 | 52 | 41.9729 | 145 | 31 | 17.3590 |
| 11 | 42 | 52 | 41.9587 | 145 | 31 | 16.2574 |
| 12 | 42 | 52 | 41.9444 | 145 | 31 | 15.1557 |
| 13 | 42 | 52 | 41.9302 | 145 | 31 | 14.0541 |
| 14 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 363.7 | | |
| | 364.8 | 148.5 | -.1 |
| | 366.9 | 150.5 | -.0 |
| | 367.0 | 150.7 | -.0 |
| | 368.6 | 152.2 | -.0 |
| | 370.0 | 153.6 | -.0 |
| | 370.2 | 153.8 | -.0 |
| | 368.7 | 152.3 | -.0 |
| | 371.5 | 155.1 | -.0 |
| | 371.4 | 155.0 | -.0 |
| | 372.6 | 156.2 | -.0 |
| | 373.8 | 157.3 | .0 |
| | 374.9 | 158.5 | .0 |
| | 363.7 | | |

077

044077

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0058
SURVEY NAME :
VOYAGER 19 13300N 12/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000005
GRID NAME : VOYAGER 19
LOCAL 13300N 10000E
AMG 5251620N 379475E
OBS. GRAVITY: 9804437.6
BASE HEIGHT : 150.67

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |
| 2 | G(V19)000914 | 13300 | 10025 | 150.63 | 9804437.1 |
| 3 | G(V19)000915 | 13300 | 10050 | 150.21 | 9804436.7 |
| 4 | G(V19)000916 | 13300 | 10075 | 149.18 | 9804437.7 |
| 5 | G(V19)000917 | 13300 | 10100 | 149.82 | 9804435.7 |
| 6 | G(V19)000918 | 13300 | 10125 | 150.04 | 9804434.5 |
| 7 | G(V19)000919 | 13300 | 10150 | 150.07 | 9804432.7 |
| 8 | G(V19)000920 | 13300 | 10175 | 150.03 | 9804432.3 |
| 9 | G(V19)000921 | 13300 | 10200 | 149.76 | 9804430.2 |
| 10 | G(V19)000922 | 13300 | 10225 | 151.04 | 9804426.4 |
| 11 | G(V19)000923 | 13300 | 10250 | 151.56 | 9804424.6 |
| 12 | G(V19)000924 | 13300 | 10275 | 153.62 | 9804419.4 |
| 13 | G(V19)000925 | 13300 | 10300 | 153.09 | 9804420.3 |
| 14 | G(V19)000926 | 13300 | 10325 | 151.73 | 9804424.5 |
| 15 | G(V19)000927 | 13300 | 10350 | 151.87 | 9804424.5 |
| 16 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5251620 | 379475 |
| 2 | 5251620 | 379500 |
| 3 | 5251620 | 379525 |
| 4 | 5251620 | 379550 |
| 5 | 5251620 | 379575 |
| 6 | 5251620 | 379600 |
| 7 | 5251620 | 379625 |
| 8 | 5251620 | 379650 |
| 9 | 5251620 | 379675 |
| 10 | 5251620 | 379700 |
| 11 | 5251620 | 379725 |
| 12 | 5251620 | 379750 |
| 13 | 5251620 | 379775 |
| 14 | 5251620 | 379800 |
| 15 | 5251620 | 379825 |
| 16 | 5251620 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |
| | 362.3 | 363.5 | 363.1 | .33 | .50 | .50 |
| | 361.0 | 362.2 | 361.7 | .28 | .50 | .50 |
| | 359.9 | 361.2 | 360.6 | .26 | .50 | .50 |
| | 359.2 | 360.5 | 359.8 | .25 | .50 | .50 |
| | 358.4 | 359.7 | 359.0 | .24 | .50 | .50 |
| | 356.6 | 357.7 | 357.2 | .22 | .40 | .40 |
| | 356.3 | 357.3 | 356.8 | .22 | .40 | .40 |
| | 353.5 | 354.6 | 354.1 | .22 | .40 | .40 |
| | 352.4 | 353.6 | 352.9 | .23 | .50 | .50 |
| | 351.6 | 352.8 | 352.1 | .23 | .50 | .50 |
| | 350.5 | 352.1 | 351.1 | .23 | .60 | .60 |
| | 350.4 | 351.6 | 351.0 | .25 | .50 | .50 |
| | 351.8 | 353.1 | 352.4 | .24 | .50 | .50 |
| | 350.4 | 351.7 | 351.1 | .25 | .50 | .40 |
| | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |
| 2 | 42 | 52 | 42.1150 | 145 | 31 | 28.3754 |
| 3 | 42 | 52 | 42.1292 | 145 | 31 | 29.4770 |
| 4 | 42 | 52 | 42.1434 | 145 | 31 | 30.5787 |
| 5 | 42 | 52 | 42.1576 | 145 | 31 | 31.6803 |
| 6 | 42 | 52 | 42.1718 | 145 | 31 | 32.7820 |
| 7 | 42 | 52 | 42.1860 | 145 | 31 | 33.8836 |
| 8 | 42 | 52 | 42.2002 | 145 | 31 | 34.9852 |
| 9 | 42 | 52 | 42.2144 | 145 | 31 | 36.0869 |
| 10 | 42 | 52 | 42.2285 | 145 | 31 | 37.1885 |
| 11 | 42 | 52 | 42.2427 | 145 | 31 | 38.2902 |
| 12 | 42 | 52 | 42.2569 | 145 | 31 | 39.3918 |
| 13 | 42 | 52 | 42.2711 | 145 | 31 | 40.4934 |
| 14 | 42 | 52 | 42.2852 | 145 | 31 | 41.5951 |
| 15 | 42 | 52 | 42.2994 | 145 | 31 | 42.6967 |
| 16 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 363.7 | | |
| | 363.1 | 146.8 | -.1 |
| | 361.7 | 145.3 | -.1 |
| | 360.6 | 144.2 | -.1 |
| | 359.8 | 143.5 | -.1 |
| | 359.0 | 142.7 | -.1 |
| | 357.2 | 140.9 | -.1 |
| | 356.8 | 140.5 | -.1 |
| | 354.1 | 137.8 | -.1 |
| | 352.9 | 136.6 | -.1 |
| | 352.1 | 135.8 | -.1 |
| | 351.1 | 134.8 | -.1 |
| | 351.0 | 134.7 | -.1 |
| | 352.4 | 136.1 | -.1 |
| | 351.1 | 134.8 | -.1 |
| | 363.7 | | |

044078

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0059
SURVEY NAME :
VOYAGER 19 13300N 28/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000005
GRID NAME : VOYAGER 19
LOCAL 13300N 10000E
AMG 5251620N 379475E
OBS. GRAVITY: 9804437.6
BASE HEIGHT : 150.67

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |
| 2 | G(V19)000928 | 13300 | 9990 | 150.41 | 9804439.2 |
| 3 | G(V19)000929 | 13300 | 9980 | 149.57 | 9804441.0 |
| 4 | G(V19)000930 | 13300 | 9970 | 148.63 | 9804443.7 |
| 5 | G(V19)000931 | 13300 | 9960 | 148.60 | 9804444.9 |
| 6 | G(V19)000903 | 13300 | 9950 | 149.03 | 9804445.0 |
| 7 | G(V19)000932 | 13300 | 9940 | 149.13 | 9804445.0 |
| 8 | G(V19)000933 | 13300 | 9930 | 149.23 | 9804445.6 |
| 9 | G(V19)000934 | 13300 | 9920 | 148.75 | 9804445.9 |
| 10 | G(V19)000935 | 13300 | 9910 | 147.65 | 9804448.7 |
| 11 | G(V19)000905 | 13300 | 9900 | 145.92 | 9804453.3 |
| 12 | G(V19)000936 | 13300 | 9895 | 144.95 | 9804456.9 |
| 13 | G(V19)000937 | 13300 | 9890 | 143.87 | 9804458.5 |
| 14 | G(V19)000938 | 13300 | 9885 | 143.41 | 9804459.4 |
| 15 | G(V19)000939 | 13300 | 9880 | 143.22 | 9804459.9 |
| 16 | G(V19)000906 | 13300 | 9875 | 142.90 | 9804461.4 |
| 17 | G(V19)000940 | 13300 | 9870 | 142.20 | 9804462.5 |
| 18 | G(V19)000941 | 13300 | 9865 | 141.59 | 9804463.5 |
| 19 | G(V19)000942 | 13300 | 9860 | 140.92 | 9804465.2 |
| 20 | G(V19)000943 | 13300 | 9855 | 140.10 | 9804467.2 |
| 21 | G(V19)000907 | 13300 | 9850 | 138.84 | 9804468.6 |
| 22 | G(V19)000944 | 13300 | 9845 | 137.96 | 9804470.3 |
| 23 | G(V19)000945 | 13300 | 9840 | 137.35 | 9804472.0 |
| 24 | G(V19)000946 | 13300 | 9830 | 137.03 | 9804472.7 |
| 25 | G(V19)000908 | 13300 | 9825 | 136.80 | 9804473.5 |
| 26 | G(V19)000947 | 13300 | 9820 | 136.33 | 9804474.0 |
| 27 | G(V19)000948 | 13300 | 9815 | 136.06 | 9804475.1 |
| 28 | G(V19)000949 | 13300 | 9810 | 135.70 | 9804475.8 |
| 29 | G(V19)000950 | 13300 | 9805 | 134.59 | 9804478.7 |
| 30 | G(V19)000909 | 13300 | 9800 | 134.35 | 9804479.5 |
| 31 | G(V19)000951 | 13300 | 9790 | 133.62 | 9804481.5 |
| 32 | G(V19)000952 | 13300 | 9780 | 132.72 | 9804483.4 |
| 33 | G(V19)000953 | 13300 | 9770 | 132.31 | 9804484.4 |
| 34 | G(V19)000954 | 13300 | 9760 | 131.10 | 9804486.9 |
| 35 | G(V19)000911 | 13300 | 9750 | 130.25 | 9804489.3 |
| 36 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5251620 | 379475 |
| 2 | 5251620 | 379465 |
| 3 | 5251620 | 379455 |
| 4 | 5251620 | 379445 |
| 5 | 5251620 | 379435 |
| 6 | 5251620 | 379425 |
| 7 | 5251620 | 379415 |
| 8 | 5251620 | 379405 |
| 9 | 5251620 | 379395 |
| 10 | 5251620 | 379385 |
| 11 | 5251620 | 379375 |
| 12 | 5251620 | 379370 |
| 13 | 5251620 | 379365 |
| 14 | 5251620 | 379360 |
| 15 | 5251620 | 379355 |
| 16 | 5251620 | 379350 |
| 17 | 5251620 | 379345 |
| 18 | 5251620 | 379340 |
| 19 | 5251620 | 379335 |
| 20 | 5251620 | 379330 |
| 21 | 5251620 | 379325 |
| 22 | 5251620 | 379320 |
| 23 | 5251620 | 379315 |
| 24 | 5251620 | 379305 |
| 25 | 5251620 | 379300 |
| 26 | 5251620 | 379295 |
| 27 | 5251620 | 379290 |
| 28 | 5251620 | 379285 |
| 29 | 5251620 | 379280 |
| 30 | 5251620 | 379275 |
| 31 | 5251620 | 379265 |
| 32 | 5251620 | 379255 |
| 33 | 5251620 | 379245 |
| 34 | 5251620 | 379235 |
| 35 | 5251620 | 379225 |
| 36 | 5251620 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |
| 2 | 363.9 | | 364.8 | .36 | 0.00 | 0.00 |
| 3 | 364.0 | | 365.0 | .37 | 0.00 | 0.00 |
| 4 | 364.8 | | 365.8 | .38 | 0.00 | 0.00 |
| 5 | 366.0 | | 367.0 | .40 | 0.00 | 0.00 |
| 6 | 366.9 | 368.4 | 368.0 | .43 | .60 | .60 |
| 7 | 367.1 | | 368.2 | .43 | 0.00 | 0.00 |
| 8 | 367.9 | | 369.0 | .44 | 0.00 | 0.00 |
| 9 | 367.3 | | 368.5 | .50 | 0.00 | 0.00 |
| 10 | 367.8 | | 369.1 | .53 | 0.00 | 0.00 |
| 11 | 368.9 | 371.0 | 370.3 | .54 | .80 | .80 |
| 12 | 370.5 | | 371.9 | .54 | 0.00 | 0.00 |
| 13 | 370.0 | | 371.3 | .54 | 0.00 | 0.00 |
| 14 | 369.9 | | 371.3 | .55 | 0.00 | 0.00 |
| 15 | 370.0 | | 371.4 | .55 | 0.00 | 0.00 |
| 16 | 370.8 | 372.9 | 372.2 | .55 | .80 | .70 |
| 17 | 370.6 | | 372.0 | .55 | 0.00 | 0.00 |
| 18 | 370.3 | | 371.8 | .59 | 0.00 | 0.00 |
| 19 | 370.7 | | 372.1 | .58 | 0.00 | 0.00 |
| 20 | 371.0 | | 372.4 | .53 | 0.00 | 0.00 |
| 21 | 369.9 | 371.6 | 371.2 | .53 | .70 | .70 |
| 22 | 369.7 | | 371.0 | .51 | 0.00 | 0.00 |
| 23 | 370.2 | | 371.4 | .47 | 0.00 | 0.00 |
| 24 | 370.2 | | 371.3 | .44 | 0.00 | 0.00 |
| 25 | 370.6 | 372.3 | 371.7 | .44 | .70 | .70 |
| 26 | 370.1 | | 371.2 | .44 | 0.00 | 0.00 |
| 27 | 370.7 | | 371.8 | .45 | 0.00 | 0.00 |
| 28 | 370.7 | | 371.9 | .46 | 0.00 | 0.00 |
| 29 | 371.3 | | 372.5 | .47 | 0.00 | 0.00 |
| 30 | 371.6 | 373.4 | 372.8 | .47 | .70 | .70 |
| 31 | 372.2 | | 373.4 | .48 | 0.00 | 0.00 |
| 32 | 372.2 | | 373.4 | .48 | 0.00 | 0.00 |
| 33 | 372.4 | | 373.6 | .49 | 0.00 | 0.00 |
| 34 | 372.5 | | 373.7 | .49 | 0.00 | 0.00 |
| 35 | 373.1 | 374.8 | 374.3 | .49 | .70 | .70 |
| 36 | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |

07-

044079

| | LATITUDE | | | LONGITUDE | | | BOUGUER GRAVITY | | |
|---|---|---|---|---|---|---|---|---|---|
| | D | M | S | D | M | S | HAMMER | SUMPTON | A-216.4 |
| 1 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 | 363.7 | | |
| 2 | 42 | 52 | 42.0952 | 145 | 31 | 26.8331 | 364.8 | 148.5 | -.1 |
| 3 | 42 | 52 | 42.0895 | 145 | 31 | 26.3924 | 365.0 | 148.6 | -.1 |
| 4 | 42 | 52 | 42.0838 | 145 | 31 | 25.9518 | 365.8 | 149.5 | -.1 |
| 5 | 42 | 52 | 42.0781 | 145 | 31 | 25.5111 | 367.0 | 150.7 | -.1 |
| 6 | 42 | 52 | 42.0724 | 145 | 31 | 25.0705 | 368.0 | 151.7 | -.1 |
| 7 | 42 | 52 | 42.0667 | 145 | 31 | 24.6298 | 368.2 | 151.8 | -.1 |
| 8 | 42 | 52 | 42.0611 | 145 | 31 | 24.1892 | 369.0 | 152.7 | -.1 |
| 9 | 42 | 52 | 42.0554 | 145 | 31 | 23.7485 | 368.5 | 152.2 | -.1 |
| 10 | 42 | 52 | 42.0497 | 145 | 31 | 23.3078 | 369.1 | 152.8 | -.1 |
| 11 | 42 | 52 | 42.0440 | 145 | 31 | 22.8672 | 370.3 | 154.0 | -.1 |
| 12 | 42 | 52 | 42.0412 | 145 | 31 | 22.6469 | 371.9 | 155.6 | -.1 |
| 13 | 42 | 52 | 42.0383 | 145 | 31 | 22.4265 | 371.3 | 155.0 | -.1 |
| 14 | 42 | 52 | 42.0355 | 145 | 31 | 22.2062 | 371.3 | 154.9 | -.1 |
| 15 | 42 | 52 | 42.0326 | 145 | 31 | 21.9859 | 371.4 | 155.0 | -.1 |
| 16 | 42 | 52 | 42.0298 | 145 | 31 | 21.7656 | 372.2 | 155.9 | -.1 |
| 17 | 42 | 52 | 42.0269 | 145 | 31 | 21.5452 | 372.0 | 155.6 | -.1 |
| 18 | 42 | 52 | 42.0241 | 145 | 31 | 21.3249 | 371.8 | 155.5 | -.0 |
| 19 | 42 | 52 | 42.0213 | 145 | 31 | 21.1046 | 372.1 | 155.8 | -.0 |
| 20 | 42 | 52 | 42.0184 | 145 | 31 | 20.8842 | 372.4 | 156.0 | -.0 |
| 21 | 42 | 52 | 42.0156 | 145 | 31 | 20.6639 | 371.2 | 154.9 | -.0 |
| 22 | 42 | 52 | 42.0127 | 145 | 31 | 20.4436 | 371.0 | 154.6 | -.0 |
| 23 | 42 | 52 | 42.0099 | 145 | 31 | 20.2233 | 371.4 | 155.1 | -.0 |
| 24 | 42 | 52 | 42.0042 | 145 | 31 | 19.7826 | 371.3 | 155.0 | -.0 |
| 25 | 42 | 52 | 42.0013 | 145 | 31 | 19.5623 | 371.7 | 155.3 | -.0 |
| 26 | 42 | 52 | 41.9985 | 145 | 31 | 19.3419 | 371.2 | 154.8 | -.0 |
| 27 | 42 | 52 | 41.9957 | 145 | 31 | 19.1216 | 371.8 | 155.4 | -.0 |
| 28 | 42 | 52 | 41.9928 | 145 | 31 | 18.9013 | 371.9 | 155.5 | -.0 |
| 29 | 42 | 52 | 41.9900 | 145 | 31 | 18.6810 | 372.5 | 156.1 | -.0 |
| 30 | 42 | 52 | 41.9871 | 145 | 31 | 18.4606 | 372.8 | 156.4 | -.0 |
| 31 | 42 | 52 | 41.9814 | 145 | 31 | 18.0200 | 373.4 | 157.0 | -.0 |
| 32 | 42 | 52 | 41.9757 | 145 | 31 | 17.5793 | 373.4 | 157.1 | -.0 |
| 33 | 42 | 52 | 41.9700 | 145 | 31 | 17.1387 | 373.6 | 157.3 | -.0 |
| 34 | 42 | 52 | 41.9644 | 145 | 31 | 16.6980 | 373.7 | 157.3 | -.0 |
| 35 | 42 | 52 | 41.9587 | 145 | 31 | 16.2574 | 374.3 | 157.9 | -.0 |
| 36 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 | 363.7 | | |

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0060
SURVEY NAME   :
VOYAGER 19 13300N 28/11/81

GRAV. METER   : W592
SCALE FACTOR  :  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000005
GRID NAME     :          VOYAGER 19
LOCAL      13300N      10000E
AMG      5251620N     379475E
OBS. GRAVITY  :  9804437.6
BASE HEIGHT   :  150.67
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |
| 2 | G(V19)000955 | 13300 | 10010 | 150.84 | 9804436.9 |
| 3 | G(V19)000956 | 13300 | 10020 | 150.63 | 9804436.8 |
| 4 | G(V19)000957 | 13300 | 10030 | 150.54 | 9804436.5 |
| 5 | G(V19)000958 | 13300 | 10040 | 150.40 | 9804436.1 |
| 6 | G(V19)000915 | 13300 | 10050 | 150.21 | 9804436.2 |
| 7 | G(V19)000959 | 13300 | 10060 | 149.77 | 9804436.5 |
| 8 | G(V19)000960 | 13300 | 10070 | 149.21 | 9804437.8 |
| 9 | G(V19)000961 | 13300 | 10080 | 149.27 | 9804436.9 |
| 10 | G(V19)000962 | 13300 | 10090 | 149.44 | 9804436.1 |
| 11 | G(V19)000917 | 13300 | 10100 | 149.82 | 9804435.2 |
| 12 | G(V19)000005 | 13300 | 10000 | 150.67 | 9804437.6 |

| | AMG N | E | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251620 | 379475 | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |
| 2 | 5251620 | 379485 | 362.5 | | 363.4 | .35 | 0.00 | 0.00 |
| 3 | 5251620 | 379495 | 362.0 | | 362.8 | .34 | 0.00 | 0.00 |
| 4 | 5251620 | 379505 | 361.5 | | 362.3 | .32 | 0.00 | 0.00 |
| 5 | 5251620 | 379515 | 360.8 | | 361.6 | .30 | 0.00 | 0.00 |
| 6 | 5251620 | 379525 | 360.5 | 361.7 | 361.2 | .28 | .50 | .50 |
| 7 | 5251620 | 379535 | 359.9 | | 360.6 | .27 | 0.00 | 0.00 |
| 8 | 5251620 | 379545 | 360.1 | | 360.7 | .27 | 0.00 | 0.00 |
| 9 | 5251620 | 379555 | 359.3 | | 360.0 | .26 | 0.00 | 0.00 |
| 10 | 5251620 | 379565 | 358.8 | | 359.5 | .25 | 0.00 | 0.00 |
| 11 | 5251620 | 379575 | 358.7 | 360.0 | 359.3 | .25 | .50 | .50 |
| 12 | 5251620 | 379475 | 362.8 | 364.3 | 363.7 | .36 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 | 363.7 | | |
| 2 | 42 | 52 | 42.1065 | 145 | 31 | 27.7144 | 363.4 | 147.1 | -.1 |
| 3 | 42 | 52 | 42.1122 | 145 | 31 | 28.1551 | 362.8 | 146.5 | -.1 |
| 4 | 42 | 52 | 42.1179 | 145 | 31 | 28.5957 | 362.3 | 146.0 | -.1 |
| 5 | 42 | 52 | 42.1236 | 145 | 31 | 29.0364 | 361.6 | 145.2 | -.1 |
| 6 | 42 | 52 | 42.1292 | 145 | 31 | 29.4770 | 361.2 | 144.8 | -.1 |
| 7 | 42 | 52 | 42.1349 | 145 | 31 | 29.9177 | 360.6 | 144.3 | -.1 |
| 8 | 42 | 52 | 42.1406 | 145 | 31 | 30.3583 | 360.7 | 144.4 | -.1 |
| 9 | 42 | 52 | 42.1463 | 145 | 31 | 30.7990 | 360.0 | 143.7 | -.1 |
| 10 | 42 | 52 | 42.1519 | 145 | 31 | 31.2397 | 359.5 | 143.2 | -.1 |
| 11 | 42 | 52 | 42.1576 | 145 | 31 | 31.6803 | 359.3 | 143.0 | -.1 |
| 12 | 42 | 52 | 42.1008 | 145 | 31 | 27.2738 | 363.7 | | |

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0061
SURVEY NAME   :
VOYAGER 19 13350N 30/11/81

GRAV. METER   : W592
SCALE FACTOR:  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000006
GRID NAME     :          VOYAGER 19
LOCAL       13350N      10000E
AMG       5251670N     379475E
OBS. GRAVITY:  9804435.2
BASE HEIGHT :  151.5
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000006 | 13350 | 10000 | 151.50 | 9804435.2 |
| 2 | G(V19)000963 | 13350 | 10025 | 149.54 | 9804437.4 |
| 3 | G(V19)000964 | 13350 | 10050 | 148.48 | 9804439.1 |
| 4 | G(V19)000965 | 13350 | 10075 | 148.07 | 9804438.2 |
| 5 | G(V19)000966 | 13350 | 10100 | 148.06 | 9804436.9 |
| 6 | G(V19)000967 | 13350 | 10125 | 148.03 | 9804436.2 |
| 7 | G(V19)000968 | 13350 | 10150 | 148.48 | 9804433.9 |
| 8 | G(V19)000969 | 13350 | 10175 | 148.86 | 9804431.4 |
| 9 | G(V19)000970 | 13350 | 10200 | 149.40 | 9804428.9 |
| 10 | G(V19)000971 | 13350 | 9975 | 150.69 | 9804437.7 |
| 11 | G(V19)000972 | 13350 | 9950 | 149.22 | 9804442.5 |
| 12 | G(V19)000973 | 13350 | 9925 | 147.60 | 9804447.5 |
| 13 | G(V19)000974 | 13350 | 9900 | 145.28 | 9804452.7 |
| 14 | G(V19)000006 | 13350 | 10000 | 151.50 | 9804435.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251670 | 379475 |
| 2 | 5251670 | 379500 |
| 3 | 5251670 | 379525 |
| 4 | 5251670 | 379550 |
| 5 | 5251670 | 379575 |
| 6 | 5251670 | 379600 |
| 7 | 5251670 | 379625 |
| 8 | 5251670 | 379650 |
| 9 | 5251670 | 379675 |
| 10 | 5251670 | 379450 |
| 11 | 5251670 | 379425 |
| 12 | 5251670 | 379400 |
| 13 | 5251670 | 379375 |
| 14 | 5251670 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 362.5 | 364.0 | 363.4 | .34 | .60 | .60 |
| 2 | 360.7 | 362.0 | 361.4 | .29 | .50 | .50 |
| 3 | 360.3 | 361.5 | 360.9 | .27 | .50 | .50 |
| 4 | 358.6 | 359.8 | 359.3 | .27 | .50 | .50 |
| 5 | 357.2 | 358.2 | 357.9 | .27 | .40 | .40 |
| 6 | 356.4 | 357.4 | 357.1 | .26 | .40 | .40 |
| 7 | 355.1 | 356.1 | 355.7 | .25 | .40 | .40 |
| 8 | 353.4 | 354.4 | 354.0 | .26 | .40 | .40 |
| 9 | 351.9 | 352.9 | 352.6 | .26 | .40 | .40 |
| 10 | 363.4 | 364.9 | 364.3 | .37 | .60 | .60 |
| 11 | 365.2 | 366.7 | 366.3 | .45 | .60 | .60 |
| 12 | 366.9 | 368.7 | 368.0 | .44 | .70 | .70 |
| 13 | 367.4 | 369.2 | 368.5 | .45 | .70 | .70 |
| 14 | 362.5 | 364.0 | 363.4 | .34 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 40.4804 | 145 | 31 | 27.3124 |
| 2 | 42 | 52 | 40.4946 | 145 | 31 | 28.4140 |
| 3 | 42 | 52 | 40.5088 | 145 | 31 | 29.5156 |
| 4 | 42 | 52 | 40.5230 | 145 | 31 | 30.6173 |
| 5 | 42 | 52 | 40.5372 | 145 | 31 | 31.7189 |
| 6 | 42 | 52 | 40.5514 | 145 | 31 | 32.8205 |
| 7 | 42 | 52 | 40.5656 | 145 | 31 | 33.9222 |
| 8 | 42 | 52 | 40.5798 | 145 | 31 | 35.0238 |
| 9 | 42 | 52 | 40.5940 | 145 | 31 | 36.1254 |
| 10 | 42 | 52 | 40.4662 | 145 | 31 | 26.2107 |
| 11 | 42 | 52 | 40.4520 | 145 | 31 | 25.1091 |
| 12 | 42 | 52 | 40.4378 | 145 | 31 | 24.0075 |
| 13 | 42 | 52 | 40.4236 | 145 | 31 | 22.9059 |
| 14 | 42 | 52 | 40.4804 | 145 | 31 | 27.3124 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 363.4 | | |
| | 361.4 | 145.1 | -.1 |
| | 360.9 | 144.6 | -.1 |
| | 359.3 | 142.9 | -.1 |
| | 357.9 | 141.6 | -.1 |
| | 357.1 | 140.8 | -.1 |
| | 355.7 | 139.4 | -.1 |
| | 354.0 | 137.7 | -.1 |
| | 352.6 | 136.3 | -.1 |
| | 364.3 | 148.0 | -.1 |
| | 366.3 | 150.0 | -.0 |
| | 368.0 | 151.7 | -.0 |
| | 368.5 | 152.2 | -.0 |
| | 363.4 | | |

032

044082

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0062
SURVEY NAME :
VOYAGER 19 13400N 9/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000007
GRID NAME : VOYAGER 19
LOCAL 13400N 10000E
AMG 5251720N 379475E
OBS. GRAVITY: 9804433.2
BASE HEIGHT : 151.8

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |
| 2 | G(V19)000975 | 13400 | 9975 | 152.50 | 9804432.3 |
| 3 | G(V19)000976 | 13400 | 9950 | 151.79 | 9804434.7 |
| 4 | G(V19)000977 | 13400 | 9925 | 149.67 | 9804441.2 |
| 5 | G(V19)000978 | 13400 | 9900 | 147.86 | 9804445.3 |
| 6 | G(V19)000979 | 13400 | 9875 | 145.86 | 9804451.0 |
| 7 | G(V19)000980 | 13400 | 9850 | 143.86 | 9804456.2 |
| 8 | G(V19)000981 | 13400 | 9825 | 142.65 | 9804459.3 |
| 9 | G(V19)000982 | 13400 | 9800 | 141.02 | 9804463.8 |
| 10 | G(V19)000983 | 13400 | 9775 | 136.67 | 9804472.2 |
| 11 | G(V19)000984 | 13400 | 9750 | 133.27 | 9804480.5 |
| 12 | G(V19)000985 | 13400 | 9725 | 130.39 | 9804487.3 |
| 13 | G(V19)000986 | 13400 | 9700 | 127.88 | 9804492.8 |
| 14 | G(V19)000987 | 13400 | 9675 | 123.27 | 9804502.3 |
| 15 | G(V19)000988 | 13400 | 9650 | 120.48 | 9804509.0 |
| 16 | G(V19)000989 | 13400 | 9625 | 117.32 | 9804516.2 |
| 17 | G(V19)000990 | 13400 | 9600 | 114.01 | 9804523.2 |
| 18 | G(V19)000991 | 13400 | 9575 | 114.30 | 9804523.2 |
| 19 | G(V19)000982 | 13400 | 9800 | 141.02 | 9804464.3 |
| 20 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251720 | 379475 |
| 2 | 5251720 | 379450 |
| 3 | 5251720 | 379425 |
| 4 | 5251720 | 379400 |
| 5 | 5251720 | 379375 |
| 6 | 5251720 | 379350 |
| 7 | 5251720 | 379325 |
| 8 | 5251720 | 379300 |
| 9 | 5251720 | 379275 |
| 10 | 5251720 | 379250 |
| 11 | 5251720 | 379225 |
| 12 | 5251720 | 379200 |
| 13 | 5251720 | 379175 |
| 14 | 5251720 | 379150 |
| 15 | 5251720 | 379125 |
| 16 | 5251720 | 379100 |
| 17 | 5251720 | 379075 |
| 18 | 5251720 | 379050 |
| 19 | 5251720 | 379275 |
| 20 | 5251720 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |
| | 362.1 | 363.8 | 363.1 | .39 | .70 | .70 |
| | 363.0 | 365.0 | 364.2 | .45 | .80 | .80 |
| | 365.2 | 367.2 | 366.5 | .51 | .80 | .70 |
| | 365.7 | 367.7 | 367.2 | .58 | .80 | .80 |
| | 367.3 | 369.3 | 368.7 | .57 | .80 | .80 |
| | 368.5 | 370.5 | 369.8 | .55 | .80 | .70 |
| | 369.1 | 371.4 | 370.6 | .59 | .96 | .80 |
| | 370.3 | 373.1 | 372.1 | .70 | 1.10 | 1.00 |
| | 369.9 | 372.2 | 371.6 | .67 | .90 | .80 |
| | 371.2 | 373.3 | 372.8 | .62 | .80 | .80 |
| | 372.2 | 374.2 | 373.8 | .63 | .80 | .80 |
| | 372.6 | 374.9 | 374.2 | .64 | .90 | .90 |
| | 372.8 | 374.8 | 374.4 | .64 | .80 | .80 |
| | 373.8 | 375.8 | 375.4 | .64 | .80 | .80 |
| | 374.6 | 376.9 | 376.0 | .56 | .90 | .80 |
| | 374.9 | 377.1 | 376.1 | .48 | .90 | .90 |
| | 375.5 | | 376.7 | .48 | 0.00 | 0.00 |
| | 370.7 | 373.5 | 372.5 | .70 | 1.10 | 1.00 |
| | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |
| 2 | 42 | 52 | 38.8458 | 145 | 31 | 26.2494 |
| 3 | 42 | 52 | 38.8316 | 145 | 31 | 25.1477 |
| 4 | 42 | 52 | 38.8174 | 145 | 31 | 24.0461 |
| 5 | 42 | 52 | 38.8032 | 145 | 31 | 22.9445 |
| 6 | 42 | 52 | 38.7890 | 145 | 31 | 21.8429 |
| 7 | 42 | 52 | 38.7748 | 145 | 31 | 20.7413 |
| 8 | 42 | 52 | 38.7605 | 145 | 31 | 19.6396 |
| 9 | 42 | 52 | 38.7463 | 145 | 31 | 18.5380 |
| 10 | 42 | 52 | 38.7321 | 145 | 31 | 17.4364 |
| 11 | 42 | 52 | 38.7179 | 145 | 31 | 16.3348 |
| 12 | 42 | 52 | 38.7036 | 145 | 31 | 15.2331 |
| 13 | 42 | 52 | 38.6894 | 145 | 31 | 14.1315 |
| 14 | 42 | 52 | 38.6751 | 145 | 31 | 13.0299 |
| 15 | 42 | 52 | 38.6609 | 145 | 31 | 11.9283 |
| 16 | 42 | 52 | 38.6467 | 145 | 31 | 10.8267 |
| 17 | 42 | 52 | 38.6324 | 145 | 31 | 9.7250 |
| 18 | 42 | 52 | 38.6182 | 145 | 31 | 8.6234 |
| 19 | 42 | 52 | 38.7463 | 145 | 31 | 18.5380 |
| 20 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |

| | BOUGUER GRAVITY HAMMER | SUMPTON A-216.4 | |
|---|---|---|---|
| | 362.6 | | |
| | 363.1 | 146.7 | -.0 |
| | 364.2 | 147.8 | -.0 |
| | 366.5 | 150.1 | -.0 |
| | 367.2 | 150.8 | -.0 |
| | 368.7 | 152.3 | -.0 |
| | 369.8 | 153.5 | -.0 |
| | 370.6 | 154.2 | -.0 |
| | 372.1 | 155.7 | -.0 |
| | 371.6 | 155.2 | .0 |
| | 372.8 | 156.4 | .0 |
| | 373.8 | 157.4 | .0 |
| | 374.2 | 157.8 | .0 |
| | 374.4 | 157.9 | .0 |
| | 375.4 | 158.9 | .0 |
| | 376.0 | 161.6 | -2.0 |
| | 376.1 | 159.6 | .1 |
| | 376.7 | 160.2 | .1 |
| | 372.5 | | |
| | 362.6 | | |

044083

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0063
SURVEY NAME :
VOYAGER 19 13400N 9/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000007
GRID NAME : VOYAGER 19
LOCAL 13400N 10000E
AMG 5251720N 379475E
OBS. GRAVITY: 9804433.2
BASE HEIGHT : 151.8

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |
| 2 | G(V19)000992 | 13400 | 10025 | 149.01 | 9804435.9 |
| 3 | G(V19)000993 | 13400 | 10050 | 147.48 | 9804439.2 |
| 4 | G(V19)000994 | 13400 | 10075 | 146.86 | 9804439.9 |
| 5 | G(V19)000995 | 13400 | 10100 | 147.12 | 9804437.7 |
| 6 | G(V19)000996 | 13400 | 10125 | 147.85 | 9804434.3 |
| 7 | G(V19)000997 | 13400 | 10150 | 148.44 | 9804432.6 |
| 8 | G(V19)000998 | 13400 | 10175 | 149.04 | 9804430.7 |
| 9 | G(V19)000999 | 13400 | 10200 | 149.65 | 9804428.3 |
| 10 | G(V19)001000 | 13400 | 10225 | 150.36 | 9804426.6 |
| 11 | G(V19)001001 | 13400 | 10250 | 150.89 | 9804424.5 |
| 12 | G(V19)001002 | 13400 | 10275 | 151.51 | 9804422.1 |
| 13 | G(V19)001003 | 13400 | 10300 | 152.02 | 9804421.0 |
| 14 | G(V19)001004 | 13400 | 10325 | 152.88 | 9804418.1 |
| 15 | G(V19)001005 | 13400 | 10350 | 153.59 | 9804416.0 |
| 16 | G(V19)000993 | 13400 | 10050 | 147.48 | 9804439.6 |
| 17 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251720 | 379475 |
| 2 | 5251720 | 379500 |
| 3 | 5251720 | 379525 |
| 4 | 5251720 | 379550 |
| 5 | 5251720 | 379575 |
| 6 | 5251720 | 379600 |
| 7 | 5251720 | 379625 |
| 8 | 5251720 | 379650 |
| 9 | 5251720 | 379675 |
| 10 | 5251720 | 379700 |
| 11 | 5251720 | 379725 |
| 12 | 5251720 | 379750 |
| 13 | 5251720 | 379775 |
| 14 | 5251720 | 379800 |
| 15 | 5251720 | 379825 |
| 16 | 5251720 | 379525 |
| 17 | 5251720 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |
| 2 | 358.6 | 360.1 | 359.7 | .44 | .60 | .60 |
| 3 | 358.8 | 360.1 | 359.8 | .41 | .50 | .50 |
| 4 | 358.2 | 359.4 | 359.1 | .37 | .50 | .50 |
| 5 | 356.5 | 357.5 | 357.4 | .35 | .40 | .40 |
| 6 | 354.6 | 355.6 | 355.4 | .30 | .40 | .40 |
| 7 | 354.1 | 355.1 | 354.7 | .27 | .40 | .40 |
| 8 | 353.4 | 354.4 | 354.1 | .27 | .40 | .40 |
| 9 | 352.2 | 353.2 | 352.9 | .28 | .40 | .40 |
| 10 | 352.0 | 353.0 | 352.6 | .27 | .40 | .40 |
| 11 | 351.0 | 352.0 | 351.7 | .27 | .40 | .40 |
| 12 | 349.9 | 350.9 | 350.5 | .26 | .40 | .40 |
| 13 | 349.8 | 350.8 | 350.4 | .27 | .40 | .40 |
| 14 | 348.6 | 349.6 | 349.2 | .27 | .40 | .40 |
| 15 | 347.9 | 348.9 | 348.6 | .28 | .40 | .40 |
| 16 | 359.1 | 360.4 | 360.2 | .41 | .50 | .50 |
| 17 | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |
| 2 | 42 | 52 | 38.8742 | 145 | 31 | 28.4526 |
| 3 | 42 | 52 | 38.8884 | 145 | 31 | 29.5542 |
| 4 | 42 | 52 | 38.9026 | 145 | 31 | 30.6559 |
| 5 | 42 | 52 | 38.9168 | 145 | 31 | 31.7575 |
| 6 | 42 | 52 | 38.9310 | 145 | 31 | 32.8591 |
| 7 | 42 | 52 | 38.9452 | 145 | 31 | 33.9607 |
| 8 | 42 | 52 | 38.9594 | 145 | 31 | 35.0624 |
| 9 | 42 | 52 | 38.9735 | 145 | 31 | 36.1640 |
| 10 | 42 | 52 | 38.9877 | 145 | 31 | 37.2656 |
| 11 | 42 | 52 | 39.0019 | 145 | 31 | 38.3672 |
| 12 | 42 | 52 | 39.0161 | 145 | 31 | 39.4689 |
| 13 | 42 | 52 | 39.0302 | 145 | 31 | 40.5705 |
| 14 | 42 | 52 | 39.0444 | 145 | 31 | 41.6721 |
| 15 | 42 | 52 | 39.0586 | 145 | 31 | 42.7737 |
| 16 | 42 | 52 | 38.8884 | 145 | 31 | 29.5542 |
| 17 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| | 362.6 | | |
| | 359.7 | 143.4 | -.0 |
| | 359.8 | 143.5 | -.0 |
| | 359.1 | 142.7 | -.0 |
| | 357.4 | 141.1 | -.0 |
| | 355.4 | 139.0 | -.1 |
| | 354.7 | 138.3 | .0 |
| | 354.1 | 137.8 | -.1 |
| | 352.9 | 136.6 | -.1 |
| | 352.6 | 136.3 | -.1 |
| | 351.7 | 135.4 | -.1 |
| | 350.5 | 134.2 | -.1 |
| | 350.4 | 134.1 | -.1 |
| | 349.2 | 132.9 | -.1 |
| | 348.6 | 132.3 | -.1 |
| | 360.2 | | |
| | 362.6 | | |

084

044084

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0064
SURVEY NAME :
VOYAGER 19 13400N 10/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000007
GRID NAME : VOYAGER 19
LOCAL 13400N 10000E
AMG 5251720N 379475E
OBS. GRAVITY: 9804433.2
BASE HEIGHT : 151.8

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |
| 2 | G(V19)001005 | 13400 | 10350 | 153.59 | 9804415.4 |
| 3 | G(V19)001006 | 13400 | 10375 | 154.35 | 9804413.1 |
| 4 | G(V19)001007 | 13400 | 10400 | 154.83 | 9804411.8 |
| 5 | G(V19)001008 | 13400 | 10425 | 153.47 | 9804414.0 |
| 6 | G(V19)001009 | 13400 | 10450 | 156.72 | 9804405.6 |
| 7 | G(V19)001010 | 13400 | 10475 | 156.35 | 9804404.5 |
| 8 | G(V19)001011 | 13400 | 10500 | 153.23 | 9804411.7 |
| 9 | G(V19)001012 | 13400 | 10525 | 147.50 | 9804421.7 |
| 10 | G(V19)001013 | 13400 | 10550 | 146.88 | 9804422.5 |
| 11 | G(V19)001014 | 13400 | 10575 | 145.90 | 9804426.1 |
| 12 | G(V19)001015 | 13400 | 10600 | 147.47 | 9804421.6 |
| 13 | G(V19)001016 | 13400 | 10625 | 149.92 | 9804414.9 |
| 14 | G(V19)001017 | 13400 | 10650 | 150.65 | 9804412.0 |
| 15 | G(V19)001018 | 13400 | 10675 | 150.07 | 9804412.6 |
| 16 | G(V19)001019 | 13400 | 10700 | 150.45 | 9804411.1 |
| 17 | G(V19)001020 | 13400 | 10725 | 153.67 | 9804402.0 |
| 18 | G(V19)001021 | 13400 | 10750 | 155.89 | 9804396.2 |
| 19 | G(V19)001022 | 13400 | 10775 | 154.19 | 9804399.2 |
| 20 | G(V19)001023 | 13400 | 10800 | 153.42 | 9804399.4 |
| 21 | G(V19)001011 | 13400 | 10500 | 153.23 | 9804413.0 |
| 22 | G(V19)001005 | 13400 | 10350 | 153.59 | 9804416.0 |
| 23 | G(V19)000007 | 13400 | 10000 | 151.80 | 9804433.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5251720 | 379475 |
| 2 | 5251720 | 379825 |
| 3 | 5251720 | 379850 |
| 4 | 5251720 | 379875 |
| 5 | 5251720 | 379900 |
| 6 | 5251720 | 379925 |
| 7 | 5251720 | 379950 |
| 8 | 5251720 | 379975 |
| 9 | 5251720 | 380000 |
| 10 | 5251720 | 380025 |
| 11 | 5251720 | 380050 |
| 12 | 5251720 | 380075 |
| 13 | 5251720 | 380100 |
| 14 | 5251720 | 380125 |
| 15 | 5251720 | 380150 |
| 16 | 5251720 | 380175 |
| 17 | 5251720 | 380200 |
| 18 | 5251720 | 380225 |
| 19 | 5251720 | 380250 |
| 20 | 5251720 | 380275 |
| 21 | 5251720 | 379975 |
| 22 | 5251720 | 379825 |
| 23 | 5251720 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |
| 2 | 347.3 | 348.3 | 348.0 | .28 | .40 | .40 |
| 3 | 346.5 | 347.8 | 347.2 | .27 | .50 | .50 |
| 4 | 346.2 | 347.5 | 346.9 | .26 | .50 | .50 |
| 5 | 345.7 | 346.9 | 346.4 | .27 | .50 | .50 |
| 6 | 343.8 | 345.3 | 344.6 | .29 | .60 | .60 |
| 7 | 342.0 | 343.2 | 343.0 | .40 | .50 | .50 |
| 8 | 342.9 | 344.4 | 344.3 | .55 | .60 | .60 |
| 9 | 341.3 | 343.5 | 342.2 | .37 | .90 | .90 |
| 10 | 340.8 | 342.3 | 341.6 | .31 | .60 | .60 |
| 11 | 342.3 | 343.6 | 343.2 | .34 | .50 | .50 |
| 12 | 341.1 | 342.3 | 342.1 | .40 | .50 | .50 |
| 13 | 339.4 | | 340.2 | .32 | 0.00 | 0.00 |
| 14 | 337.9 | | 338.7 | .29 | 0.00 | 0.00 |
| 15 | 337.4 | | 338.1 | .30 | 0.00 | 0.00 |
| 16 | 336.6 | | 337.5 | .37 | 0.00 | 0.00 |
| 17 | 334.1 | . | 335.1 | .39 | 0.00 | 0.00 |
| 18 | 332.7 | | 333.8 | .42 | 0.00 | 0.00 |
| 19 | 332.3 | | 333.3 | .42 | 0.00 | 0.00 |
| 20 | 330.9 | | 332.0 | .43 | 0.00 | 0.00 |
| 21 | 344.2 | 345.7 | 345.6 | .55 | .60 | .60 |
| 22 | 347.9 | 348.9 | 348.6 | .28 | .40 | .40 |
| 23 | 361.5 | 363.0 | 362.6 | .41 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |
| 2 | 42 | 52 | 39.0586 | 145 | 31 | 42.7737 |
| 3 | 42 | 52 | 39.0727 | 145 | 31 | 43.8754 |
| 4 | 42 | 52 | 39.0869 | 145 | 31 | 44.9770 |
| 5 | 42 | 52 | 39.1010 | 145 | 31 | 46.0786 |
| 6 | 42 | 52 | 39.1152 | 145 | 31 | 47.1803 |
| 7 | 42 | 52 | 39.1293 | 145 | 31 | 48.2819 |
| 8 | 42 | 52 | 39.1435 | 145 | 31 | 49.3835 |
| 9 | 42 | 52 | 39.1576 | 145 | 31 | 50.4851 |
| 10 | 42 | 52 | 39.1718 | 145 | 31 | 51.5868 |
| 11 | 42 | 52 | 39.1859 | 145 | 31 | 52.6884 |
| 12 | 42 | 52 | 39.2000 | 145 | 31 | 53.7900 |
| 13 | 42 | 52 | 39.2142 | 145 | 31 | 54.8917 |
| 14 | 42 | 52 | 39.2283 | 145 | 31 | 55.9933 |
| 15 | 42 | 52 | 39.2424 | 145 | 31 | 57.0949 |
| 16 | 42 | 52 | 39.2565 | 145 | 31 | 58.1965 |
| 17 | 42 | 52 | 39.2707 | 145 | 31 | 59.2982 |
| 18 | 42 | 52 | 39.2848 | 145 | 32 | 0.3998 |
| 19 | 42 | 52 | 39.2989 | 145 | 32 | 1.5014 |
| 20 | 42 | 52 | 39.3130 | 145 | 32 | 2.6031 |
| 21 | 42 | 52 | 39.1435 | 145 | 31 | 49.3835 |
| 22 | 42 | 52 | 39.0586 | 145 | 31 | 42.7737 |
| 23 | 42 | 52 | 38.8600 | 145 | 31 | 27.3510 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | A-216.4 |
|---|---|---|---|
| 1 | 362.6 | | |
| 2 | 348.0 | 131.7 | -.1 |
| 3 | 347.2 | 130.9 | -.1 |
| 4 | 346.9 | 130.6 | -.1 |
| 5 | 346.4 | 129.9 | .0 |
| 6 | 344.6 | 128.3 | -.1 |
| 7 | 343.0 | 126.7 | -.1 |
| 8 | 344.3 | 128.0 | -.1 |
| 9 | 342.2 | 125.9 | -.1 |
| 10 | 341.6 | 125.3 | -.1 |
| 11 | 343.2 | 126.9 | -.1 |
| 12 | 342.1 | 125.8 | -.1 |
| 13 | 340.2 | 123.9 | -.1 |
| 14 | 338.7 | 122.4 | -.1 |
| 15 | 338.1 | 121.9 | -.1 |
| 16 | 337.5 | 121.2 | -.0 |
| 17 | 335.1 | 118.7 | -.0 |
| 18 | 333.8 | 117.6 | -.1 |
| 19 | 333.3 | 117.1 | -.2 |
| 20 | 332.0 | 115.8 | -.2 |
| 21 | 345.6 | | |
| 22 | 348.6 | | |
| 23 | 362.6 | | |

085

044085

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0065
SURVEY NAME :
VOYAGER 19 13500N 9/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000009
GRID NAME : VOYAGER 19
LOCAL 13500N 10000E
AMG 5251820N 379475E
OBS. GRAVITY: 9804444.9
BASE HEIGHT : 145.65

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000009 | 13500 | 10000 | 145.65 | 9804444.9 |
| 2 | G(V19)001024 | 13500 | 9975 | 145.99 | 9804441.0 |
| 3 | G(V19)001025 | 13500 | 9950 | 146.90 | 9804440.3 |
| 4 | G(V19)001026 | 13500 | 9925 | 149.14 | 9804440.5 |
| 5 | G(V19)001027 | 13500 | 9900 | 148.58 | 9804442.6 |
| 6 | G(V19)001028 | 13500 | 9875 | 146.91 | 9804446.8 |
| 7 | G(V19)001029 | 13500 | 9850 | 144.36 | 9804453.1 |
| 8 | G(V19)001030 | 13500 | 9825 | 141.02 | 9804460.6 |
| 9 | G(V19)001031 | 13500 | 9800 | 139.01 | 9804466.1 |
| 10 | G(V19)001032 | 13500 | 9775 | 136.14 | 9804472.9 |
| 11 | G(V19)001033 | 13500 | 9750 | 133.21 | 9804478.9 |
| 12 | G(V19)001034 | 13500 | 9725 | 129.82 | 9804487.3 |
| 13 | G(V19)001035 | 13500 | 9700 | 125.91 | 9804496.3 |
| 14 | G(V19)001036 | 13500 | 9675 | 123.76 | 9804500.1 |
| 15 | G(V19)001037 | 13500 | 9650 | 120.18 | 9804508.8 |
| 16 | G(V19)001038 | 13500 | 9625 | 117.57 | 9804514.8 |
| 17 | G(V19)001039 | 13500 | 9600 | 113.82 | 9804522.5 |
| 18 | G(V19)001040 | 13500 | 9575 | 111.68 | 9804526.8 |
| 19 | G(V19)001041 | 13500 | 9550 | 111.27 | 9804527.8 |
| 20 | G(V19)001042 | 13500 | 9525 | 118.77 | 9804513.1 |
| 21 | G(V19)001043 | 13500 | 9500 | 123.03 | 9804506.2 |
| 22 | G(V19)001031 | 13500 | 9800 | 139.01 | 9804466.3 |
| 23 | G(V19)000009 | 13500 | 10000 | 145.65 | 9804444.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5251820 | 379475 |
| 2 | 5251820 | 379450 |
| 3 | 5251820 | 379425 |
| 4 | 5251820 | 379400 |
| 5 | 5251820 | 379375 |
| 6 | 5251820 | 379350 |
| 7 | 5251820 | 379325 |
| 8 | 5251820 | 379300 |
| 9 | 5251820 | 379275 |
| 10 | 5251820 | 379250 |
| 11 | 5251820 | 379225 |
| 12 | 5251820 | 379200 |
| 13 | 5251820 | 379175 |
| 14 | 5251820 | 379150 |
| 15 | 5251820 | 379125 |
| 16 | 5251820 | 379100 |
| 17 | 5251820 | 379075 |
| 18 | 5251820 | 379050 |
| 19 | 5251820 | 379025 |
| 20 | 5251820 | 379000 |
| 21 | 5251820 | 378975 |
| 22 | 5251820 | 379275 |
| 23 | 5251820 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 361.6 | 363.1 | 362.6 | .42 | .60 | .60 |
| 2 | 358.3 | 359.8 | 359.4 | .41 | .60 | .60 |
| 3 | 359.5 | 361.3 | 360.7 | .45 | .70 | .60 |
| 4 | 364.2 | 366.2 | 365.4 | .47 | .80 | .70 |
| 5 | 365.2 | 367.5 | 366.5 | .50 | .90 | .80 |
| 6 | 366.0 | 368.3 | 367.3 | .52 | .90 | .90 |
| 7 | 367.1 | 369.4 | 368.6 | .58 | .90 | .90 |
| 8 | 367.9 | 370.1 | 369.4 | .61 | .90 | .80 |
| 9 | 369.3 | 371.6 | 371.0 | .67 | .90 | .80 |
| 10 | 370.3 | 372.5 | 371.9 | .64 | .90 | .80 |
| 11 | 370.3 | 372.6 | 371.9 | .62 | .90 | .80 |
| 12 | 371.9 | 373.9 | 373.9 | .78 | .80 | .80 |
| 13 | 372.9 | 374.9 | 375.2 | .90 | .80 | .70 |
| 14 | 372.4 | 374.4 | 374.3 | .75 | .80 | .80 |
| 15 | 373.8 | 375.8 | 375.5 | .70 | .80 | .80 |
| 16 | 374.5 | 376.8 | 376.3 | .71 | .90 | .90 |
| 17 | 374.6 | 377.1 | 376.4 | .72 | 1.00 | .90 |
| 18 | 374.5 | | 376.1 | .63 | 0.00 | 0.00 |
| 19 | 374.7 | | 376.2 | .59 | 0.00 | 0.00 |
| 20 | 375.3 | | 376.9 | .63 | 0.00 | 0.00 |
| 21 | 377.0 | | 378.6 | .64 | 0.00 | 0.00 |
| 22 | 369.5 | 371.8 | 371.2 | .67 | .90 | .80 |
| 23 | 361.6 | 363.1 | 362.6 | .42 | .60 | .60 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 35.6192 | 145 | 31 | 27.4282 | 362.6 | | |
| 2 | 42 | 52 | 35.6050 | 145 | 31 | 26.3266 | 359.4 | 146.0 | -3.0 |
| 3 | 42 | 52 | 35.5908 | 145 | 31 | 25.2250 | 360.7 | 147.3 | -3.0 |
| 4 | 42 | 52 | 35.5766 | 145 | 31 | 24.1234 | 365.4 | 152.0 | -3.0 |
| 5 | 42 | 52 | 35.5624 | 145 | 31 | 23.0218 | 366.5 | 153.1 | -3.0 |
| 6 | 42 | 52 | 35.5482 | 145 | 31 | 21.9202 | 367.3 | 153.9 | -3.0 |
| 7 | 42 | 52 | 35.5339 | 145 | 31 | 20.8186 | 368.6 | 155.2 | -3.0 |
| 8 | 42 | 52 | 35.5197 | 145 | 31 | 19.7170 | 369.4 | 156.0 | -3.0 |
| 9 | 42 | 52 | 35.5055 | 145 | 31 | 18.6154 | 371.0 | 157.6 | -3.0 |
| 10 | 42 | 52 | 35.4913 | 145 | 31 | 17.5138 | 371.9 | 158.5 | -3.0 |
| 11 | 42 | 52 | 35.4770 | 145 | 31 | 16.4122 | 371.9 | 158.5 | -3.0 |
| 12 | 42 | 52 | 35.4628 | 145 | 31 | 15.3106 | 373.9 | 160.4 | -3.0 |
| 13 | 42 | 52 | 35.4486 | 145 | 31 | 14.2090 | 375.2 | 161.8 | -3.0 |
| 14 | 42 | 52 | 35.4343 | 145 | 31 | 13.1074 | 374.3 | 160.9 | -3.0 |
| 15 | 42 | 52 | 35.4201 | 145 | 31 | 12.0058 | 375.5 | 162.3 | -3.1 |
| 16 | 42 | 52 | 35.4058 | 145 | 31 | 10.9041 | 376.3 | 162.8 | -3.0 |
| 17 | 42 | 52 | 35.3916 | 145 | 31 | 9.8025 | 376.4 | 163.0 | -3.0 |
| 18 | 42 | 52 | 35.3773 | 145 | 31 | 8.7009 | 376.1 | 162.7 | -2.9 |
| 19 | 42 | 52 | 35.3631 | 145 | 31 | 7.5993 | 376.2 | 162.7 | -2.9 |
| 20 | 42 | 52 | 35.3488 | 145 | 31 | 6.4977 | 376.9 | 163.4 | -2.9 |
| 21 | 42 | 52 | 35.3346 | 145 | 31 | 5.3961 | 378.6 | 165.1 | -2.9 |
| 22 | 42 | 52 | 35.5055 | 145 | 31 | 18.6154 | 371.2 | | |
| 23 | 42 | 52 | 35.6192 | 145 | 31 | 27.4282 | 362.6 | | |

```
********************************
*    GEOPEKO GRAVITY SURVEY    *
********************************

FILE          : TG0066
SURVEY NAME   :
VOYAGER 19 13500N 9/11/81

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V19)000009
GRID NAME     :          VOYAGER 19
LOCAL       13500N      10000E
AMG       5251820N    379475E
OBS. GRAVITY:   9804444.9
BASE HEIGHT   :   145.65
```

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000009 | 13500 | 10000 | 145.65 | 9804444.9 |
| 2 | G(V19)001044 | 13500 | 10025 | 145.25 | 9804445.2 |
| 3 | G(V19)001045 | 13500 | 10050 | 144.39 | 9804445.8 |
| 4 | G(V19)001046 | 13500 | 10075 | 145.65 | 9804441.6 |
| 5 | G(V19)001047 | 13500 | 10100 | 146.86 | 9804437.6 |
| 6 | G(V19)001048 | 13500 | 10125 | 148.96 | 9804433.1 |
| 7 | G(V19)001049 | 13500 | 10150 | 150.66 | 9804428.4 |
| 8 | G(V19)001050 | 13500 | 10175 | 151.97 | 9804424.1 |
| 9 | G(V19)001051 | 13500 | 10200 | 152.85 | 9804422.0 |
| 10 | G(V19)001052 | 13500 | 10225 | 153.67 | 9804419.6 |
| 11 | G(V19)001053 | 13500 | 10250 | 153.54 | 9804418.7 |
| 12 | G(V19)001054 | 13500 | 10275 | 153.64 | 9804417.6 |
| 13 | G(V19)001055 | 13500 | 10300 | 152.69 | 9804420.0 |
| 14 | G(V19)001056 | 13500 | 10325 | 153.28 | 9804418.2 |
| 15 | G(V19)001057 | 13500 | 10350 | 153.33 | 9804417.9 |
| 16 | G(V19)000009 | 13500 | 10000 | 145.65 | 9804444.9 |

| | AMG N | AMG E | BOUGUER GRAVITY NO T.C. | BOUGUER GRAVITY NAGY | BOUGUER GRAVITY HAMMER | TERRAIN CORRECTIONS LEAMAN | TERRAIN CORRECTIONS NAGY | TERRAIN CORRECTIONS BOTT |
|---|---|---|---|---|---|---|---|---|
| 1 | 5251820 | 379475 | 361.6 | 363.1 | 362.6 | .42 | .60 | .60 |
| 2 | 5251820 | 379500 | 361.1 | 362.3 | 361.9 | .33 | .50 | .50 |
| 3 | 5251820 | 379525 | 359.9 | 361.2 | 360.7 | .31 | .50 | .50 |
| 4 | 5251820 | 379550 | 358.3 | 359.6 | 359.1 | .32 | .50 | .50 |
| 5 | 5251820 | 379575 | 356.7 | 358.0 | 357.5 | .32 | .50 | .50 |
| 6 | 5251820 | 379600 | 356.4 | 357.7 | 357.2 | .33 | .50 | .50 |
| 7 | 5251820 | 379625 | 355.2 | 356.4 | 356.0 | .33 | .50 | .50 |
| 8 | 5251820 | 379650 | 353.5 | 354.8 | 354.3 | .31 | .50 | .50 |
| 9 | 5251820 | 379675 | 353.3 | 354.5 | 354.1 | .31 | .50 | .50 |
| 10 | 5251820 | 379700 | 352.5 | 353.7 | 353.2 | .30 | .50 | .50 |
| 11 | 5251820 | 379725 | 351.4 | 352.6 | 352.1 | .30 | .50 | .50 |
| 12 | 5251820 | 379750 | 350.4 | 351.7 | 351.1 | .28 | .50 | .50 |
| 13 | 5251820 | 379775 | 350.9 | 352.2 | 351.6 | .28 | .50 | .50 |
| 14 | 5251820 | 379800 | 350.3 | 351.5 | 350.9 | .27 | .50 | .50 |
| 15 | 5251820 | 379825 | 350.1 | 351.3 | 350.8 | .27 | .50 | .50 |
| 16 | 5251820 | 379475 | 361.6 | 363.1 | 362.6 | .42 | .60 | .60 |

| | LATITUDE D | LATITUDE M | LATITUDE S | LONGITUDE D | LONGITUDE M | LONGITUDE S | BOUGUER GRAVITY HAMMER | BOUGUER GRAVITY SUMPTON | BOUGUER GRAVITY Δ-216.4 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 35.6192 | 145 | 31 | 27.4282 | 362.6 | | |
| 2 | 42 | 52 | 35.6334 | 145 | 31 | 28.5298 | 361.9 | 145.5 | .0 |
| 3 | 42 | 52 | 35.6476 | 145 | 31 | 29.6315 | 360.7 | 144.3 | .0 |
| 4 | 42 | 52 | 35.6618 | 145 | 31 | 30.7331 | 359.1 | 142.7 | .0 |
| 5 | 42 | 52 | 35.6760 | 145 | 31 | 31.8347 | 357.5 | 141.1 | .0 |
| 6 | 42 | 52 | 35.6902 | 145 | 31 | 32.9363 | 357.2 | 140.8 | .0 |
| 7 | 42 | 52 | 35.7044 | 145 | 31 | 34.0379 | 356.0 | 139.6 | -.0 |
| 8 | 42 | 52 | 35.7185 | 145 | 31 | 35.1395 | 354.3 | 137.9 | -.0 |
| 9 | 42 | 52 | 35.7327 | 145 | 31 | 36.2411 | 354.1 | 137.7 | -.0 |
| 10 | 42 | 52 | 35.7469 | 145 | 31 | 37.3427 | 353.2 | 136.9 | -.0 |
| 11 | 42 | 52 | 35.7611 | 145 | 31 | 38.4443 | 352.1 | 135.8 | -.0 |
| 12 | 42 | 52 | 35.7753 | 145 | 31 | 39.5459 | 351.1 | 134.7 | -.0 |
| 13 | 42 | 52 | 35.7894 | 145 | 31 | 40.6475 | 351.6 | 135.3 | -.0 |
| 14 | 42 | 52 | 35.8036 | 145 | 31 | 41.7492 | 350.9 | 134.6 | -.0 |
| 15 | 42 | 52 | 35.8177 | 145 | 31 | 42.8508 | 350.8 | 134.4 | -.0 |
| 16 | 42 | 52 | 35.6192 | 145 | 31 | 27.4282 | 362.6 | | |

08.

044087

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0067
SURVEY NAME :
VOYAGER 19 13600N 9/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000011
GRID NAME : VOYAGER 19
LOCAL 13600N 10000E
AMG 5251920N 379475E
OBS. GRAVITY: 9804454.7
BASE HEIGHT : 140.25

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000011 | 13600 | 10000 | 140.25 | 9804454.7 |
| 2 | G(V19)001058 | 13600 | 9975 | 140.27 | 9804453.0 |
| 3 | G(V19)001059 | 13600 | 9950 | 145.47 | 9804445.0 |
| 4 | G(V19)001060 | 13600 | 9925 | 150.27 | 9804435.1 |
| 5 | G(V19)001061 | 13600 | 9900 | 149.93 | 9804436.4 |
| 6 | G(V19)001062 | 13600 | 9875 | 148.10 | 9804441.7 |
| 7 | G(V19)001063 | 13600 | 9850 | 145.43 | 9804447.9 |
| 8 | G(V19)001064 | 13600 | 9825 | 142.82 | 9804454.3 |
| 9 | G(V19)001065 | 13600 | 9800 | 138.55 | 9804463.5 |
| 10 | G(V19)001066 | 13600 | 9775 | 134.23 | 9804473.7 |
| 11 | G(V19)001067 | 13600 | 9750 | 130.26 | 9804482.8 |
| 12 | G(V19)001068 | 13600 | 9725 | 127.96 | 9804488.4 |
| 13 | G(V19)001069 | 13600 | 9700 | 122.92 | 9804499.9 |
| 14 | G(V19)001070 | 13600 | 9675 | 117.47 | 9804510.9 |
| 15 | G(V19)001071 | 13600 | 9650 | 114.10 | 9804518.5 |
| 16 | G(V19)001072 | 13600 | 9625 | 112.87 | 9804521.2 |
| 17 | G(V19)001073 | 13600 | 9600 | 117.12 | 9804514.8 |
| 18 | G(V19)001074 | 13600 | 9575 | 119.24 | 9804511.1 |
| 19 | G(V19)001075 | 13600 | 9550 | 124.79 | 9804500.9 |
| 20 | G(V19)001076 | 13600 | 9525 | 126.74 | 9804497.9 |
| 21 | G(V19)001077 | 13600 | 9500 | 126.90 | 9804499.5 |
| 22 | G(V19)001066 | 13600 | 9775 | 134.23 | 9804473.6 |
| 23 | G(V19)000011 | 13600 | 10000 | 140.25 | 9804454.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251920 | 379475 |
| 2 | 5251920 | 379450 |
| 3 | 5251920 | 379425 |
| 4 | 5251920 | 379400 |
| 5 | 5251920 | 379375 |
| 6 | 5251920 | 379350 |
| 7 | 5251920 | 379325 |
| 8 | 5251920 | 379300 |
| 9 | 5251920 | 379275 |
| 10 | 5251920 | 379250 |
| 11 | 5251920 | 379225 |
| 12 | 5251920 | 379200 |
| 13 | 5251920 | 379175 |
| 14 | 5251920 | 379150 |
| 15 | 5251920 | 379125 |
| 16 | 5251920 | 379100 |
| 17 | 5251920 | 379075 |
| 18 | 5251920 | 379050 |
| 19 | 5251920 | 379025 |
| 20 | 5251920 | 379000 |
| 21 | 5251920 | 378975 |
| 22 | 5251920 | 379250 |
| 23 | 5251920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER |
|---|---|---|---|
| 1 | 361.2 | | 362.2 |
| 2 | 359.6 | | 360.9 |
| 3 | 362.1 | | 363.7 |
| 4 | 362.0 | | 363.5 |
| 5 | 362.5 | | 364.0 |
| 6 | 364.2 | | 365.6 |
| 7 | 364.9 | | 366.4 |
| 8 | 366.1 | | 367.9 |
| 9 | 366.6 | | 369.0 |
| 10 | 368.0 | | 370.2 |
| 11 | 369.1 | | 371.0 |
| 12 | 370.0 | | 372.1 |
| 13 | 371.2 | | 373.7 |
| 14 | 371.2 | | 373.7 |
| 15 | 371.9 | | 374.4 |
| 16 | 372.2 | | 374.3 |
| 17 | 374.4 | | 376.2 |
| 18 | 375.0 | | 376.6 |
| 19 | 376.1 | | 377.6 |
| 20 | 377.0 | | 378.0 |
| 21 | 379.0 | | 380.0 |
| 22 | 367.9 | | 370.1 |
| 23 | 361.2 | | 362.2 |

| | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|
| 1 | .38 | 0.00 | 0.00 |
| 2 | .50 | 0.00 | 0.00 |
| 3 | .64 | 0.00 | 0.00 |
| 4 | .60 | 0.00 | 0.00 |
| 5 | .56 | 0.00 | 0.00 |
| 6 | .57 | 0.00 | 0.00 |
| 7 | .59 | 0.00 | 0.00 |
| 8 | .72 | 0.00 | 0.00 |
| 9 | .96 | 0.00 | 0.00 |
| 10 | .88 | 0.00 | 0.00 |
| 11 | .78 | 0.00 | 0.00 |
| 12 | .82 | 0.00 | 0.00 |
| 13 | .98 | 0.00 | 0.00 |
| 14 | .97 | 0.00 | 0.00 |
| 15 | .96 | 0.00 | 0.00 |
| 16 | .85 | 0.00 | 0.00 |
| 17 | .71 | 0.00 | 0.00 |
| 18 | .65 | 0.00 | 0.00 |
| 19 | .59 | 0.00 | 0.00 |
| 20 | .37 | 0.00 | 0.00 |
| 21 | .39 | 0.00 | 0.00 |
| 22 | .88 | 0.00 | 0.00 |
| 23 | .38 | 0.00 | 0.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 32.3784 | 145 | 31 | 27.5055 |
| 2 | 42 | 52 | 32.3642 | 145 | 31 | 26.4039 |
| 3 | 42 | 52 | 32.3500 | 145 | 31 | 25.3023 |
| 4 | 42 | 52 | 32.3358 | 145 | 31 | 24.2007 |
| 5 | 42 | 52 | 32.3216 | 145 | 31 | 23.0991 |
| 6 | 42 | 52 | 32.3073 | 145 | 31 | 21.9975 |
| 7 | 42 | 52 | 32.2931 | 145 | 31 | 20.8959 |
| 8 | 42 | 52 | 32.2789 | 145 | 31 | 19.7943 |
| 9 | 42 | 52 | 32.2647 | 145 | 31 | 18.6927 |
| 10 | 42 | 52 | 32.2505 | 145 | 31 | 17.5912 |
| 11 | 42 | 52 | 32.2362 | 145 | 31 | 16.4896 |
| 12 | 42 | 52 | 32.2220 | 145 | 31 | 15.3880 |
| 13 | 42 | 52 | 32.2078 | 145 | 31 | 14.2864 |
| 14 | 42 | 52 | 32.1935 | 145 | 31 | 13.1848 |
| 15 | 42 | 52 | 32.1793 | 145 | 31 | 12.0832 |
| 16 | 42 | 52 | 32.1650 | 145 | 31 | 10.9816 |
| 17 | 42 | 52 | 32.1508 | 145 | 31 | 9.8800 |
| 18 | 42 | 52 | 32.1365 | 145 | 31 | 8.7784 |
| 19 | 42 | 52 | 32.1223 | 145 | 31 | 7.6769 |
| 20 | 42 | 52 | 32.1080 | 145 | 31 | 6.5753 |
| 21 | 42 | 52 | 32.0938 | 145 | 31 | 5.4737 |
| 22 | 42 | 52 | 32.2505 | 145 | 31 | 17.5912 |
| 23 | 42 | 52 | 32.3784 | 145 | 31 | 27.5055 |

| | BOUGUER GRAVITY HAMMER | SUMPTON A-216.4 | |
|---|---|---|---|
| 1 | 362.2 | | |
| 2 | 360.9 | 144.4 | .0 |
| 3 | 363.7 | 147.3 | .0 |
| 4 | 363.5 | 147.1 | .0 |
| 5 | 364.0 | 147.5 | .0 |
| 6 | 365.6 | 149.2 | .0 |
| 7 | 366.4 | 150.0 | .0 |
| 8 | 367.9 | 151.4 | .1 |
| 9 | 369.0 | 152.6 | .1 |
| 10 | 370.2 | 153.7 | .1 |
| 11 | 371.0 | 154.6 | .1 |
| 12 | 372.1 | 155.6 | .1 |
| 13 | 373.7 | 157.2 | .1 |
| 14 | 373.7 | 157.2 | .1 |
| 15 | 374.4 | 157.9 | .1 |
| 16 | 374.3 | 157.8 | .1 |
| 17 | 376.2 | 159.7 | .1 |
| 18 | 376.6 | 160.1 | .1 |
| 19 | 377.6 | 161.1 | .1 |
| 20 | 378.0 | 161.5 | .1 |
| 21 | 380.0 | 163.5 | .1 |
| 22 | 370.1 | | |
| 23 | 362.2 | | |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0068
SURVEY NAME :
VOYAGER 19 13600N 9/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V19)000011
GRID NAME : VOYAGER 19
LOCAL 13600N 10000E
AMG 5251920N 379475E
OBS. GRAVITY: 9804454.7
BASE HEIGHT : 140.25

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V19)000011 | 13600 | 10000 | 140.25 | 9804454.7 |
| 2 | G(V19)001078 | 13600 | 10025 | 140.84 | 9804451.3 |
| 3 | G(V19)001079 | 13600 | 10050 | 146.69 | 9804437.8 |
| 4 | G(V19)001080 | 13600 | 10075 | 149.34 | 9804431.7 |
| 5 | G(V19)001081 | 13600 | 10100 | 149.34 | 9804429.7 |
| 6 | G(V19)001082 | 13600 | 10125 | 144.02 | 9804440.8 |
| 7 | G(V19)001083 | 13600 | 10150 | 145.65 | 9804435.0 |
| 8 | G(V19)001084 | 13600 | 10175 | 147.06 | 9804433.0 |
| 9 | G(V19)001085 | 13600 | 10200 | 143.15 | 9804439.9 |
| 10 | G(V19)001086 | 13600 | 10225 | 144.25 | 9804436.4 |
| 11 | G(V19)001087 | 13600 | 10250 | 150.83 | 9804421.4 |
| 12 | G(V19)001088 | 13600 | 10275 | 151.46 | 9804419.4 |
| 13 | G(V19)001089 | 13600 | 10300 | 148.30 | 9804433.8 |
| 14 | G(V19)001090 | 13600 | 10325 | 150.80 | 9804429.3 |
| 15 | G(V19)001091 | 13600 | 10350 | 151.51 | 9804427.2 |
| 16 | G(V19)000011 | 13600 | 10000 | 140.25 | 9804454.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5251920 | 379475 |
| 2 | 5251920 | 379500 |
| 3 | 5251920 | 379525 |
| 4 | 5251920 | 379550 |
| 5 | 5251920 | 379575 |
| 6 | 5251920 | 379600 |
| 7 | 5251920 | 379625 |
| 8 | 5251920 | 379650 |
| 9 | 5251920 | 379675 |
| 10 | 5251920 | 379700 |
| 11 | 5251920 | 379725 |
| 12 | 5251920 | 379750 |
| 13 | 5251920 | 379775 |
| 14 | 5251920 | 379800 |
| 15 | 5251920 | 379825 |
| 16 | 5251920 | 379475 |

| | BOUGUER GRAVITY NO T.C. | NAGY | HAMMER | TERRAIN CORRECTIONS LEAMAN | NAGY | BOTT |
|---|---|---|---|---|---|---|
| 1 | 361.2 | | 362.2 | .38 | 0.00 | 0.00 |
| 2 | 359.0 | | 360.2 | .49 | 0.00 | 0.00 |
| 3 | 357.4 | | 359.0 | .65 | 0.00 | 0.00 |
| 4 | 356.6 | | 358.3 | .66 | 0.00 | 0.00 |
| 5 | 354.7 | | 356.2 | .63 | 0.00 | 0.00 |
| 6 | 354.9 | | 356.1 | .47 | 0.00 | 0.00 |
| 7 | 352.4 | | 353.5 | .42 | 0.00 | 0.00 |
| 8 | 353.3 | | 354.2 | .37 | 0.00 | 0.00 |
| 9 | 352.2 | | 353.2 | .37 | 0.00 | 0.00 |
| 10 | 351.0 | | 352.0 | .42 | 0.00 | 0.00 |
| 11 | 349.4 | | 350.6 | .47 | 0.00 | 0.00 |
| 12 | 348.7 | | 349.8 | .44 | 0.00 | 0.00 |
| 13 | 356.6 | | 357.7 | .45 | 0.00 | 0.00 |
| 14 | 357.2 | | 358.3 | .43 | 0.00 | 0.00 |
| 15 | 356.6 | | 357.6 | .42 | 0.00 | 0.00 |
| 16 | 361.2 | | 362.2 | .38 | 0.00 | 0.00 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 52 | 32.3784 | 145 | 31 | 27.5055 |
| 2 | 42 | 52 | 32.3926 | 145 | 31 | 28.6071 |
| 3 | 42 | 52 | 32.4068 | 145 | 31 | 29.7087 |
| 4 | 42 | 52 | 32.4210 | 145 | 31 | 30.8102 |
| 5 | 42 | 52 | 32.4352 | 145 | 31 | 31.9118 |
| 6 | 42 | 52 | 32.4494 | 145 | 31 | 33.0134 |
| 7 | 42 | 52 | 32.4635 | 145 | 31 | 34.1150 |
| 8 | 42 | 52 | 32.4777 | 145 | 31 | 35.2166 |
| 9 | 42 | 52 | 32.4919 | 145 | 31 | 36.3182 |
| 10 | 42 | 52 | 32.5061 | 145 | 31 | 37.4198 |
| 11 | 42 | 52 | 32.5203 | 145 | 31 | 38.5214 |
| 12 | 42 | 52 | 32.5344 | 145 | 31 | 39.6230 |
| 13 | 42 | 52 | 32.5486 | 145 | 31 | 40.7246 |
| 14 | 42 | 52 | 32.5628 | 145 | 31 | 41.8262 |
| 15 | 42 | 52 | 32.5769 | 145 | 31 | 42.9278 |
| 16 | 42 | 52 | 32.3784 | 145 | 31 | 27.5055 |

| | BOUGUER GRAVITY HAMMER | SUMPTON | Δ-216.4 |
|---|---|---|---|
| 1 | 362.2 | | |
| 2 | 360.2 | 143.8 | .0 |
| 3 | 359.0 | 142.6 | .0 |
| 4 | 358.3 | 141.9 | .0 |
| 5 | 356.2 | 139.8 | .0 |
| 6 | 356.1 | 139.7 | .0 |
| 7 | 353.5 | 137.1 | .0 |
| 8 | 354.2 | 137.8 | -.0 |
| 9 | 353.2 | 136.8 | -.0 |
| 10 | 352.0 | 135.7 | -.0 |
| 11 | 350.6 | 134.2 | -.0 |
| 12 | 349.8 | 133.4 | -.0 |
| 13 | 357.7 | 141.3 | .0 |
| 14 | 358.3 | 141.9 | -.0 |
| 15 | 357.6 | 141.2 | -.0 |
| 16 | 362.2 | | |

# APPENDIX 2

## VOYAGER 29 GRAVITY DATA

(HP85 files "TG0069" - "TG0078")

*** Note: Bouguer Density 2.52 $tm^{-3}$ ***

Comments.

Coordinates and R.L.'s are in metres. R.L. datum is A.H.D.
Gravity values (Obs. & Bouguer) are in micrometres/sec/sec.
Observed Gravity datum : Potsdam.

"BOUGUER GRAVITY" subheadings:

| | |
|---|---|
| "2.52" | Bouguer gravity (density 2.52 $tm^{-3}$ ). |
| "SUMPTON" | Bouguer gravity as computed by Sumpton (1982) using the Hammer T.C. computed by Leaman. |
| "Δ -216.4" | Difference between "2.52" and "SUMPTON" less a constant (216.4). |

```
**********************************
*    GEOPEKO GRAVITY SURVEY      *
**********************************

FILE          : TG0069
SURVEY NAME   :
VOYAGER 29 10000E 26/11/81

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V29)000001
GRID NAME     :          VOYAGER 29
LOCAL       10700N       10000E
AMG       5249020N     379475E
OBS. GRAVITY:   9804526.9
BASE HEIGHT :   116.27
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000001 | 10700 | 10000 | 116.27 | 9804526.9 |
| 2 | G(V29)000002 | 10650 | 10000 | 115.66 | 9804527.9 |
| 3 | G(V29)000003 | 10600 | 10000 | 113.85 | 9804533.2 |
| 4 | G(V29)000004 | 10550 | 10000 | 115.79 | 9804528.8 |
| 5 | G(V29)000005 | 10500 | 10000 | 119.31 | 9804519.9 |
| 6 | G(V29)000006 | 10450 | 10000 | 117.36 | 9804525.6 |
| 7 | G(V29)000007 | 10400 | 10000 | 115.27 | 9804532.3 |
| 8 | G(V29)000008 | 10350 | 10000 | 112.25 | 9804539.1 |
| 9 | G(V29)000009 | 10300 | 10000 | 111.14 | 9804541.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5249020 | 379475 |
| 2 | 5248970 | 379475 |
| 3 | 5248920 | 379475 |
| 4 | 5248870 | 379475 |
| 5 | 5248820 | 379475 |
| 6 | 5248770 | 379475 |
| 7 | 5248720 | 379475 |
| 8 | 5248670 | 379475 |
| 9 | 5248620 | 379475 |

BOUGUER GRAVITY

2.52 SUMPTON A-216.4.

| | | | |
|---|---|---|---|
| 361.2 | | | |
| 360.6 | 144.2 | -.1 | |
| 361.8 | 145.5 | -.1 | |
| 361.0 | 144.7 | -.1 | |
| 358.7 | 142.5 | -.2 | |
| 360.1 | 143.9 | -.2 | |
| 362.2 | 146.1 | -.3 | |
| 362.4 | 146.3 | -.3 | |
| 362.6 | 148.6 | -2.4 | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 6.3618 | 145 | 31 | 25.2641 |
| 2 | 42 | 54 | 7.9822 | 145 | 31 | 25.2255 |
| 3 | 42 | 54 | 9.6026 | 145 | 31 | 25.1868 |
| 4 | 42 | 54 | 11.2230 | 145 | 31 | 25.1481 |
| 5 | 42 | 54 | 12.8434 | 145 | 31 | 25.1094 |
| 6 | 42 | 54 | 14.4638 | 145 | 31 | 25.0708 |
| 7 | 42 | 54 | 16.0842 | 145 | 31 | 25.0321 |
| 8 | 42 | 54 | 17.7046 | 145 | 31 | 24.9934 |
| 9 | 42 | 54 | 19.3250 | 145 | 31 | 24.9547 |

091

044091

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0070
SURVEY NAME :
VOYAGER 29 10300N 24/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000009
GRID NAME : VOYAGER 29
LOCAL 10300N 10000E
AMG 5248620N 379475E
OBS. GRAVITY: 9804541.9
BASE HEIGHT : 111.14

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000009 | 10300 | 10000 | 111.14 | 9804541.9 |
| 2 | G(V29)000010 | 10300 | 10025 | 113.14 | 9804537.7 |
| 3 | G(V29)000011 | 10300 | 10050 | 115.15 | 9804532.8 |
| 4 | G(V29)000012 | 10300 | 10075 | 116.44 | 9804529.0 |
| 5 | G(V29)000013 | 10300 | 10100 | 120.14 | 9804519.3 |
| 6 | G(V29)000014 | 10300 | 10125 | 120.31 | 9804518.1 |
| 7 | G(V29)000015 | 10300 | 10150 | 120.60 | 9804516.5 |
| 8 | G(V29)000016 | 10300 | 10175 | 121.37 | 9804514.2 |
| 9 | G(V29)000017 | 10300 | 10200 | 121.97 | 9804512.3 |
| 10 | G(V29)000018 | 10300 | 10225 | 123.07 | 9804508.5 |
| 11 | G(V29)000019 | 10300 | 10250 | 125.01 | 9804503.7 |
| 12 | G(V29)000020 | 10300 | 10275 | 126.89 | 9804497.9 |
| 13 | G(V29)000021 | 10300 | 10300 | 128.10 | 9804495.0 |
| 14 | G(V29)000022 | 10300 | 10325 | 128.60 | 9804493.2 |
| 15 | G(V29)000023 | 10300 | 10350 | 126.61 | 9804497.5 |
| 16 | G(V29)000024 | 10300 | 10375 | 124.20 | 9804502.0 |
| 17 | G(V29)000025 | 10300 | 10400 | 123.40 | 9804502.8 |
| 18 | G(V29)000026 | 10300 | 10425 | 122.68 | 9804503.9 |
| 19 | G(V29)000027 | 10300 | 10450 | 121.88 | 9804504.9 |
| 20 | G(V29)000028 | 10300 | 10475 | 120.53 | 9804507.2 |
| 21 | G(V29)000029 | 10300 | 10500 | 119.77 | 9804509.0 |
| 22 | G(V29)000030 | 10300 | 10525 | 119.04 | 9804508.9 |
| 23 | G(V29)000031 | 10300 | 10550 | 119.45 | 9804508.5 |
| 24 | G(V29)000032 | 10300 | 10575 | 122.77 | 9804501.1 |
| 25 | G(V29)000033 | 10300 | 10600 | 122.98 | 9804499.8 |
| 26 | G(V29)000034 | 10300 | 10625 | 121.97 | 9804501.8 |
| 27 | G(V29)000035 | 10300 | 10650 | 120.87 | 9804503.0 |
| 28 | G(V29)000036 | 10300 | 10675 | 120.79 | 9804502.8 |
| 29 | G(V29)000037 | 10300 | 10700 | 121.45 | 9804500.4 |
| 30 | G(V29)000038 | 10300 | 10725 | 122.66 | 9804497.6 |
| 31 | G(V29)000039 | 10300 | 10750 | 123.25 | 9804495.5 |
| 32 | G(V29)000040 | 10300 | 10775 | 123.33 | 9804495.2 |
| 33 | G(V29)000041 | 10300 | 10800 | 122.99 | 9804494.3 |
| 34 | G(V29)000042 | 10300 | 10900 | 121.98 | 9804493.9 |
| 35 | G(V29)000043 | 10300 | 10925 | 121.99 | 9804493.1 |
| 36 | G(V29)000044 | 10300 | 10950 | 121.73 | 9804493.2 |
| 37 | G(V29)000045 | 10300 | 10975 | 120.64 | 9804496.9 |

| | AMG N | AMG E | BOUGUER GRAVITY 2.52 | SUMPTON A-216.4 | |
|---|---|---|---|---|---|
| 1 | 5248620 | 379475 | 362.6 | | |
| 2 | 5248620 | 379500 | 362.5 | 148.5 | -2.4 |
| 3 | 5248620 | 379525 | 361.6 | 147.6 | -2.4 |
| 4 | 5248620 | 379550 | 360.4 | 146.5 | -2.4 |
| 5 | 5248620 | 379575 | 358.2 | 144.3 | -2.4 |
| 6 | 5248620 | 379600 | 357.4 | 143.4 | -2.4 |
| 7 | 5248620 | 379625 | 356.4 | 142.4 | -2.4 |
| 8 | 5248620 | 379650 | 355.6 | 141.6 | -2.4 |
| 9 | 5248620 | 379675 | 355.0 | 141.0 | -2.4 |
| 10 | 5248620 | 379700 | 353.3 | 139.4 | -2.4 |
| 11 | 5248620 | 379725 | 352.5 | 138.5 | -2.5 |
| 12 | 5248620 | 379750 | 350.5 | 136.6 | -2.5 |
| 13 | 5248620 | 379775 | 350.0 | 136.1 | -2.5 |
| 14 | 5248620 | 379800 | 349.3 | 135.3 | -2.5 |
| 15 | 5248620 | 379825 | 349.5 | 135.6 | -2.5 |
| 16 | 5248620 | 379850 | 349.1 | 135.2 | -2.5 |
| 17 | 5248620 | 379875 | 348.3 | 134.4 | -2.5 |
| 18 | 5248620 | 379900 | 348.0 | 134.0 | -2.5 |
| 19 | 5248620 | 379925 | 347.3 | 133.4 | -2.5 |
| 20 | 5248620 | 379950 | 346.8 | 132.9 | -2.5 |
| 21 | 5248620 | 379975 | 347.1 | 133.2 | -2.5 |
| 22 | 5248620 | 380000 | 345.5 | 131.6 | -2.5 |
| 23 | 5248620 | 380025 | 345.9 | 132.0 | -2.5 |
| 24 | 5248620 | 380050 | 345.3 | 131.4 | -2.5 |
| 25 | 5248620 | 380075 | 344.4 | 130.5 | -2.5 |
| 26 | 5248620 | 380100 | 344.4 | 130.5 | -2.5 |
| 27 | 5248620 | 380125 | 343.4 | 129.5 | -2.5 |
| 28 | 5248620 | 380150 | 343.0 | 129.1 | -2.5 |
| 29 | 5248620 | 380175 | 341.9 | 128.0 | -2.5 |
| 30 | 5248620 | 380200 | 341.6 | 127.7 | -2.5 |
| 31 | 5248620 | 380225 | 340.6 | 126.7 | -2.5 |
| 32 | 5248620 | 380250 | 340.5 | 126.6 | -2.5 |
| 33 | 5248620 | 380275 | 338.9 | 125.1 | -2.5 |
| 34 | 5248620 | 380375 | 336.5 | 122.6 | -2.5 |
| 35 | 5248620 | 380400 | 335.7 | 121.9 | -2.5 |
| 36 | 5248620 | 380425 | 335.2 | 121.4 | -2.5 |
| 37 | 5248620 | 380450 | 336.7 | 122.9 | -2.6 |

| | LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|---|
| | D | M | S | D | M | S |
| 1 | 42 | 54 | 19.3250 | 145 | 31 | 24.9547 |
| 2 | 42 | 54 | 19.3392 | 145 | 31 | 26.0569 |
| 3 | 42 | 54 | 19.3534 | 145 | 31 | 27.1590 |
| 4 | 42 | 54 | 19.3676 | 145 | 31 | 28.2611 |
| 5 | 42 | 54 | 19.3818 | 145 | 31 | 29.3632 |
| 6 | 42 | 54 | 19.3960 | 145 | 31 | 30.4653 |
| 7 | 42 | 54 | 19.4102 | 145 | 31 | 31.5675 |
| 8 | 42 | 54 | 19.4244 | 145 | 31 | 32.6696 |
| 9 | 42 | 54 | 19.4386 | 145 | 31 | 33.7717 |
| 10 | 42 | 54 | 19.4528 | 145 | 31 | 34.8738 |
| 11 | 42 | 54 | 19.4670 | 145 | 31 | 35.9760 |
| 12 | 42 | 54 | 19.4812 | 145 | 31 | 37.0781 |
| 13 | 42 | 54 | 19.4954 | 145 | 31 | 38.1802 |
| 14 | 42 | 54 | 19.5095 | 145 | 31 | 39.2823 |
| 15 | 42 | 54 | 19.5237 | 145 | 31 | 40.3844 |
| 16 | 42 | 54 | 19.5379 | 145 | 31 | 41.4866 |
| 17 | 42 | 54 | 19.5521 | 145 | 31 | 42.5887 |
| 18 | 42 | 54 | 19.5662 | 145 | 31 | 43.6908 |
| 19 | 42 | 54 | 19.5804 | 145 | 31 | 44.7929 |
| 20 | 42 | 54 | 19.5946 | 145 | 31 | 45.8951 |
| 21 | 42 | 54 | 19.6087 | 145 | 31 | 46.9972 |
| 22 | 42 | 54 | 19.6229 | 145 | 31 | 48.0993 |
| 23 | 42 | 54 | 19.6370 | 145 | 31 | 49.2014 |
| 24 | 42 | 54 | 19.6512 | 145 | 31 | 50.3036 |
| 25 | 42 | 54 | 19.6653 | 145 | 31 | 51.4057 |
| 26 | 42 | 54 | 19.6795 | 145 | 31 | 52.5078 |
| 27 | 42 | 54 | 19.6936 | 145 | 31 | 53.6099 |
| 28 | 42 | 54 | 19.7077 | 145 | 31 | 54.7121 |
| 29 | 42 | 54 | 19.7219 | 145 | 31 | 55.8142 |
| 30 | 42 | 54 | 19.7360 | 145 | 31 | 56.9163 |
| 31 | 42 | 54 | 19.7501 | 145 | 31 | 58.0184 |
| 32 | 42 | 54 | 19.7643 | 145 | 31 | 59.1206 |
| 33 | 42 | 54 | 19.7784 | 145 | 32 | 0.2227 |
| 34 | 42 | 54 | 19.8349 | 145 | 32 | 4.6312 |
| 35 | 42 | 54 | 19.8490 | 145 | 32 | 5.7333 |
| 36 | 42 | 54 | 19.8631 | 145 | 32 | 6.8355 |
| 37 | 42 | 54 | 19.8772 | 145 | 32 | 7.9376 |

044093

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0071
SURVEY NAME   :
VOYAGER 29 10300N 25/1/81

GRAV. METER   : W592
SCALE FACTOR:  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V29)000009
GRID NAME     :          VOYAGER 29
LOCAL      10300N      10000E
AMG      5248620N    379475E
OBS. GRAVITY:  9804541.9
BASE HEIGHT :  111.14
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000009 | 10300 | 10000 | 111.14 | 9804541.9 |
| 2 | G(V29)000046 | 10300 | 9975 | 111.15 | 9804541.8 |
| 3 | G(V29)000047 | 10300 | 9950 | 111.46 | 9804541.9 |
| 4 | G(V29)000048 | 10300 | 9925 | 110.13 | 9804546.2 |
| 5 | G(V29)000049 | 10300 | 9900 | 110.73 | 9804545.6 |
| 6 | G(V29)000050 | 10300 | 9875 | 111.89 | 9804542.5 |
| 7 | G(V29)000051 | 10300 | 9850 | 111.78 | 9804544.3 |
| 8 | G(V29)000052 | 10300 | 9825 | 110.44 | 9804547.0 |
| 9 | G(V29)000053 | 10300 | 9800 | 114.26 | 9804538.8 |
| 10 | G(V29)000054 | 10300 | 9775 | 115.76 | 9804536.4 |
| 11 | G(V29)000055 | 10300 | 9750 | 116.74 | 9804535.0 |
| 12 | G(V29)000056 | 10300 | 9725 | 115.86 | 9804538.5 |
| 13 | G(V29)000057 | 10300 | 9700 | 114.00 | 9804543.7 |
| 14 | G(V29)000058 | 10300 | 9675 | 112.76 | 9804546.9 |
| 15 | G(V29)000059 | 10300 | 9625 | 110.78 | 9804553.2 |
| 16 | G(V29)000060 | 10300 | 9600 | 108.03 | 9804559.7 |
| 17 | G(V29)000061 | 10300 | 9575 | 105.73 | 9804564.5 |
| 18 | G(V29)000062 | 10300 | 9550 | 99.25 | 9804577.4 |
| 19 | G(V29)000063 | 10300 | 9525 | 96.75 | 9804582.0 |
| 20 | G(V29)000064 | 10300 | 9500 | 92.86 | 9804588.8 |
| 21 | G(V29)000065 | 10300 | 9475 | 92.46 | 9804590.0 |
| 22 | G(V29)000066 | 10300 | 9450 | 89.50 | 9804596.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5248620 | 379475 |
| 2 | 5248620 | 379450 |
| 3 | 5248620 | 379425 |
| 4 | 5248620 | 379400 |
| 5 | 5248620 | 379375 |
| 6 | 5248620 | 379350 |
| 7 | 5248620 | 379325 |
| 8 | 5248620 | 379300 |
| 9 | 5248620 | 379275 |
| 10 | 5248620 | 379250 |
| 11 | 5248620 | 379225 |
| 12 | 5248620 | 379200 |
| 13 | 5248620 | 379175 |
| 14 | 5248620 | 379150 |
| 15 | 5248620 | 379100 |
| 16 | 5248620 | 379075 |
| 17 | 5248620 | 379050 |
| 18 | 5248620 | 379025 |
| 19 | 5248620 | 379000 |
| 20 | 5248620 | 378975 |
| 21 | 5248620 | 378950 |
| 22 | 5248620 | 378925 |

| BOUGUER GRAVITY 2.52 | SUMPTON A-216.4 | |
|---|---|---|
| 362.6 | | |
| 362.5 | 148.5 | -2.4 |
| 363.2 | 149.2 | -2.4 |
| 364.8 | 150.8 | -2.4 |
| 365.5 | 151.5 | -2.4 |
| 364.7 | 150.7 | -2.4 |
| 366.3 | 152.2 | -2.4 |
| 366.3 | 152.2 | -2.4 |
| 365.8 | 151.8 | -2.4 |
| 366.5 | 152.5 | -2.4 |
| 367.1 | 153.1 | -2.4 |
| 368.8 | 154.7 | -2.4 |
| 370.3 | 156.2 | -2.4 |
| 370.9 | 156.8 | -2.3 |
| 373.2 | 159.1 | -2.3 |
| 374.1 | 160.0 | -2.3 |
| 374.2 | 160.1 | -2.3 |
| 374.0 | 159.9 | -2.3 |
| 373.5 | 159.4 | -2.3 |
| 372.4 | 158.3 | -2.3 |
| 372.8 | 158.7 | -2.3 |
| 373.6 | 159.5 | -2.3 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 19.3250 | 145 | 31 | 24.9547 |
| 2 | 42 | 54 | 19.3108 | 145 | 31 | 23.8526 |
| 3 | 42 | 54 | 19.2965 | 145 | 31 | 22.7505 |
| 4 | 42 | 54 | 19.2823 | 145 | 31 | 21.6484 |
| 5 | 42 | 54 | 19.2681 | 145 | 31 | 20.5463 |
| 6 | 42 | 54 | 19.2539 | 145 | 31 | 19.4441 |
| 7 | 42 | 54 | 19.2396 | 145 | 31 | 18.3420 |
| 8 | 42 | 54 | 19.2254 | 145 | 31 | 17.2399 |
| 9 | 42 | 54 | 19.2112 | 145 | 31 | 16.1378 |
| 10 | 42 | 54 | 19.1969 | 145 | 31 | 15.0357 |
| 11 | 42 | 54 | 19.1827 | 145 | 31 | 13.9336 |
| 12 | 42 | 54 | 19.1684 | 145 | 31 | 12.8314 |
| 13 | 42 | 54 | 19.1542 | 145 | 31 | 11.7293 |
| 14 | 42 | 54 | 19.1399 | 145 | 31 | 10.6272 |
| 15 | 42 | 54 | 19.1114 | 145 | 31 | 8.4230 |
| 16 | 42 | 54 | 19.0971 | 145 | 31 | 7.3208 |
| 17 | 42 | 54 | 19.0829 | 145 | 31 | 6.2187 |
| 18 | 42 | 54 | 19.0686 | 145 | 31 | 5.1166 |
| 19 | 42 | 54 | 19.0543 | 145 | 31 | 4.0145 |
| 20 | 42 | 54 | 19.0401 | 145 | 31 | 2.9124 |
| 21 | 42 | 54 | 19.0258 | 145 | 31 | 1.8103 |
| 22 | 42 | 54 | 19.0115 | 145 | 31 | 0.7082 |

034

044094

* GEOPEKO GRAVITY SURVEY *
****************************

FILE : TG0072
SURVEY NAME :
VOYAGER 29 10400N 24/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000007
GRID NAME : VOYAGER 29
LOCAL 10400N 10000E
AMG 5248720N 379475E
OBS. GRAVITY: 9804532.3
BASE HEIGHT : 115.27

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000007 | 10400 | 10000 | 115.27 | 9804532.3 |
| 2 | G(V29)000067 | 10400 | 10025 | 115.52 | 9804531.8 |
| 3 | G(V29)000068 | 10400 | 10050 | 116.68 | 9804529.0 |
| 4 | G(V29)000069 | 10400 | 10075 | 118.45 | 9804525.0 |
| 5 | G(V29)000070 | 10400 | 10100 | 119.48 | 9804521.5 |
| 6 | G(V29)000071 | 10400 | 10125 | 120.93 | 9804517.4 |
| 7 | G(V29)000072 | 10400 | 10150 | 123.58 | 9804509.9 |
| 8 | G(V29)000073 | 10400 | 10175 | 124.88 | 9804505.8 |
| 9 | G(V29)000074 | 10400 | 10200 | 124.93 | 9804505.3 |
| 10 | G(V29)000075 | 10400 | 10225 | 126.81 | 9804500.3 |
| 11 | G(V29)000076 | 10400 | 10250 | 127.11 | 9804498.8 |
| 12 | G(V29)000077 | 10400 | 10275 | 126.63 | 9804498.7 |
| 13 | G(V29)000078 | 10400 | 10300 | 126.33 | 9804498.2 |
| 14 | G(V29)000079 | 10400 | 10325 | 126.25 | 9804497.4 |
| 15 | G(V29)000080 | 10400 | 10350 | 126.66 | 9804497.1 |
| 16 | G(V29)000081 | 10400 | 10400 | 125.94 | 9804498.2 |
| 17 | G(V29)000082 | 10400 | 10425 | 126.19 | 9804497.1 |
| 18 | G(V29)000083 | 10400 | 10450 | 124.99 | 9804497.9 |
| 19 | G(V29)000084 | 10400 | 10475 | 125.56 | 9804497.0 |
| 20 | G(V29)000085 | 10400 | 10500 | 125.58 | 9804496.5 |
| 21 | G(V29)000086 | 10400 | 10525 | 126.21 | 9804494.8 |
| 22 | G(V29)000087 | 10400 | 10550 | 124.68 | 9804496.9 |
| 23 | G(V29)000088 | 10400 | 10575 | 123.87 | 9804497.2 |
| 24 | G(V29)000089 | 10400 | 10600 | 126.15 | 9804493.6 |
| 25 | G(V29)000090 | 10400 | 10625 | 125.30 | 9804493.2 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON A-216.4 | | |
|---|---|---|---|---|---|
| | | | 362.2 | | |
| 1 | 5248720 | 379475 | 362.1 | 146.0 | -.3 |
| 2 | 5248720 | 379500 | 361.7 | 145.6 | -.3 |
| 3 | 5248720 | 379525 | 361.3 | 145.2 | -.3 |
| 4 | 5248720 | 379550 | 359.9 | 143.8 | -.3 |
| 5 | 5248720 | 379575 | 358.8 | 142.7 | -.3 |
| 6 | 5248720 | 379600 | 356.6 | 140.5 | -.3 |
| 7 | 5248720 | 379625 | 355.1 | 139.0 | -.3 |
| 8 | 5248720 | 379650 | 354.8 | 138.7 | -.3 |
| 9 | 5248720 | 379675 | 353.5 | 137.5 | -.3 |
| 10 | 5248720 | 379700 | 352.6 | 136.6 | -.3 |
| 11 | 5248720 | 379725 | 351.6 | 135.5 | -.4 |
| 12 | 5248720 | 379750 | 350.5 | 134.5 | -.4 |
| 13 | 5248720 | 379775 | 349.5 | 133.5 | -.4 |
| 14 | 5248720 | 379800 | 350.1 | 134.0 | -.4 |
| 15 | 5248720 | 379825 | 349.7 | 133.6 | -.4 |
| 16 | 5248720 | 379875 | 349.0 | 133.0 | -.4 |
| 17 | 5248720 | 379900 | 347.5 | 131.5 | -.4 |
| 18 | 5248720 | 379925 | 347.7 | 131.7 | -.4 |
| 19 | 5248720 | 379950 | 347.2 | 131.2 | -.4 |
| 20 | 5248720 | 379975 | 346.8 | 130.7 | -.4 |
| 21 | 5248720 | 380000 | 345.8 | 129.8 | -.4 |
| 22 | 5248720 | 380025 | 344.4 | 128.4 | -.4 |
| 23 | 5248720 | 380050 | 345.5 | 129.5 | -.4 |
| 24 | 5248720 | 380075 | 343.3 | 127.3 | -.4 |
| 25 | 5248720 | 380100 | | | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 16.0842 | 145 | 31 | 25.0321 |
| 2 | 42 | 54 | 16.0984 | 145 | 31 | 26.1342 |
| 3 | 42 | 54 | 16.1126 | 145 | 31 | 27.2363 |
| 4 | 42 | 54 | 16.1268 | 145 | 31 | 28.3384 |
| 5 | 42 | 54 | 16.1410 | 145 | 31 | 29.4405 |
| 6 | 42 | 54 | 16.1552 | 145 | 31 | 30.5426 |
| 7 | 42 | 54 | 16.1694 | 145 | 31 | 31.6447 |
| 8 | 42 | 54 | 16.1836 | 145 | 31 | 32.7468 |
| 9 | 42 | 54 | 16.1978 | 145 | 31 | 33.8489 |
| 10 | 42 | 54 | 16.2120 | 145 | 31 | 34.9510 |
| 11 | 42 | 54 | 16.2262 | 145 | 31 | 36.0532 |
| 12 | 42 | 54 | 16.2404 | 145 | 31 | 37.1553 |
| 13 | 42 | 54 | 16.2546 | 145 | 31 | 38.2574 |
| 14 | 42 | 54 | 16.2687 | 145 | 31 | 39.3595 |
| 15 | 42 | 54 | 16.2829 | 145 | 31 | 40.4616 |
| 16 | 42 | 54 | 16.3113 | 145 | 31 | 42.6658 |
| 17 | 42 | 54 | 16.3254 | 145 | 31 | 43.7679 |
| 18 | 42 | 54 | 16.3396 | 145 | 31 | 44.8700 |
| 19 | 42 | 54 | 16.3537 | 145 | 31 | 45.9721 |
| 20 | 42 | 54 | 16.3679 | 145 | 31 | 47.0742 |
| 21 | 42 | 54 | 16.3821 | 145 | 31 | 48.1763 |
| 22 | 42 | 54 | 16.3962 | 145 | 31 | 49.2784 |
| 23 | 42 | 54 | 16.4104 | 145 | 31 | 50.3806 |
| 24 | 42 | 54 | 16.4245 | 145 | 31 | 51.4827 |
| 25 | 42 | 54 | 16.4387 | 145 | 31 | 52.5848 |

035

044095

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0073
SURVEY NAME :
VOYAGER 29 10400N 24/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000005
GRID NAME : VOYAGER 29
LOCAL 10500N 10000E
AMG 5248820N 379475E
OBS. GRAVITY: 9804519.9
BASE HEIGHT : 119.31

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000005 | 10500 | 10000 | 119.31 | 9804519.9 |
| 2 | G(V29)000091 | 10400 | 11000 | 120.81 | 9804491.8 |
| 3 | G(V29)000092 | 10400 | 10975 | 122.72 | 9804487.8 |
| 4 | G(V29)000093 | 10400 | 10950 | 124.33 | 9804483.7 |
| 5 | G(V29)000094 | 10400 | 10925 | 125.02 | 9804484.8 |
| 6 | G(V29)000095 | 10400 | 10900 | 125.19 | 9804486.4 |
| 7 | G(V29)000096 | 10400 | 10875 | 125.27 | 9804486.8 |
| 8 | G(V29)000097 | 10400 | 10850 | 125.07 | 9804487.4 |
| 9 | G(V29)000098 | 10400 | 10825 | 124.67 | 9804489.5 |
| 10 | G(V29)000099 | 10400 | 10800 | 124.50 | 9804489.6 |
| 11 | G(V29)000100 | 10400 | 10775 | 124.59 | 9804490.2 |
| 12 | G(V29)000101 | 10400 | 10750 | 124.73 | 9804491.0 |
| 13 | G(V29)000102 | 10400 | 10725 | 125.42 | 9804488.7 |
| 14 | G(V29)000103 | 10400 | 10700 | 126.08 | 9804488.7 |
| 15 | G(V29)000104 | 10400 | 10675 | 127.80 | 9804485.5 |
| 16 | G(V29)000105 | 10400 | 10650 | 127.35 | 9804486.8 |
| 17 | G(V29)000090 | 10400 | 10625 | 125.30 | 9804491.8 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5248820 | 379475 |
| 2 | 5248720 | 380475 |
| 3 | 5248720 | 380450 |
| 4 | 5248720 | 380425 |
| 5 | 5248720 | 380400 |
| 6 | 5248720 | 380375 |
| 7 | 5248720 | 380350 |
| 8 | 5248720 | 380325 |
| 9 | 5248720 | 380300 |
| 10 | 5248720 | 380275 |
| 11 | 5248720 | 380250 |
| 12 | 5248720 | 380225 |
| 13 | 5248720 | 380200 |
| 14 | 5248720 | 380175 |
| 15 | 5248720 | 380150 |
| 16 | 5248720 | 380125 |
| 17 | 5248720 | 380100 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-216.4

| | | | |
|---|---|---|---|
| | 358.8 | | |
| | 332.8 | 116.7 | -.3 |
| | 332.7 | 116.6 | -.3 |
| | 331.8 | 115.7 | -.3 |
| | 334.4 | 118.3 | -.3 |
| | 336.3 | 120.2 | -.3 |
| | 336.9 | 120.7 | -.3 |
| | 337.1 | 120.9 | -.3 |
| | 338.3 | 122.2 | -.3 |
| | 338.1 | 121.9 | -.3 |
| | 338.8 | 122.7 | -.3 |
| | 339.9 | 123.8 | -.3 |
| | 339.1 | 122.9 | -.3 |
| | 340.4 | 124.3 | -.2 |
| | 340.7 | 124.6 | -.2 |
| | 341.1 | 124.9 | -.2 |
| | 341.9 | 125.8 | -.2 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 12.8434 | 145 | 31 | 25.1094 |
| 2 | 42 | 54 | 16.6505 | 145 | 32 | 9.1164 |
| 3 | 42 | 54 | 16.6364 | 145 | 32 | 8.0143 |
| 4 | 42 | 54 | 16.6223 | 145 | 32 | 6.9122 |
| 5 | 42 | 54 | 16.6081 | 145 | 32 | 5.8101 |
| 6 | 42 | 54 | 16.5940 | 145 | 32 | 4.7080 |
| 7 | 42 | 54 | 16.5799 | 145 | 32 | 3.6059 |
| 8 | 42 | 54 | 16.5658 | 145 | 32 | 2.5038 |
| 9 | 42 | 54 | 16.5517 | 145 | 32 | 1.4017 |
| 10 | 42 | 54 | 16.5376 | 145 | 32 | 0.2995 |
| 11 | 42 | 54 | 16.5235 | 145 | 31 | 59.1974 |
| 12 | 42 | 54 | 16.5093 | 145 | 31 | 58.0953 |
| 13 | 42 | 54 | 16.4952 | 145 | 31 | 56.9932 |
| 14 | 42 | 54 | 16.4811 | 145 | 31 | 55.8911 |
| 15 | 42 | 54 | 16.4669 | 145 | 31 | 54.7890 |
| 16 | 42 | 54 | 16.4528 | 145 | 31 | 53.6869 |
| 17 | 42 | 54 | 16.4387 | 145 | 31 | 52.5848 |

036

044096

**********

FILE : TG0074
SURVEY NAME :
VOYAGER 29 10500N 24/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000005
GRID NAME : VOYAGER 29
LOCAL 10500N 10000E
AMG 5248820N 379475E
OBS. GRAVITY: 9804519.9
BASE HEIGHT : 119.31

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000005 | 10500 | 10000 | 119.31 | 9804519.9 |
| 2 | G(V29)000106 | 10500 | 10025 | 115.68 | 9804528.3 |
| 3 | G(V29)000107 | 10500 | 10050 | 116.10 | 9804527.2 |
| 4 | G(V29)000108 | 10500 | 10075 | 116.86 | 9804525.0 |
| 5 | G(V29)000109 | 10500 | 10100 | 117.91 | 9804521.1 |
| 6 | G(V29)000110 | 10500 | 10125 | 121.50 | 9804512.1 |
| 7 | G(V29)000111 | 10500 | 10150 | 123.62 | 9804506.6 |
| 8 | G(V29)000112 | 10500 | 10175 | 124.49 | 9804503.2 |
| 9 | G(V29)000113 | 10500 | 10200 | 126.23 | 9804499.8 |
| 10 | G(V29)000114 | 10500 | 10225 | 128.01 | 9804494.4 |
| 11 | G(V29)000115 | 10500 | 10250 | 129.26 | 9804489.7 |
| 12 | G(V29)000116 | 10500 | 10275 | 129.57 | 9804489.2 |
| 13 | G(V29)000117 | 10500 | 10300 | 129.42 | 9804489.4 |
| 14 | G(V29)000118 | 10500 | 10325 | 129.16 | 9804488.9 |
| 15 | G(V29)000119 | 10500 | 10350 | 127.29 | 9804492.7 |
| 16 | G(V29)000120 | 10500 | 10375 | 127.42 | 9804491.1 |
| 17 | G(V29)000121 | 10500 | 10400 | 127.48 | 9804491.2 |
| 18 | G(V29)000122 | 10500 | 10425 | 127.80 | 9804490.1 |
| 19 | G(V29)000123 | 10500 | 10450 | 128.46 | 9804488.6 |
| 20 | G(V29)000124 | 10500 | 10475 | 128.63 | 9804487.5 |
| 21 | G(V29)000125 | 10500 | 10500 | 129.67 | 9804484.8 |
| 22 | G(V29)000126 | 10500 | 10525 | 129.06 | 9804486.6 |
| 23 | G(V29)000127 | 10500 | 10550 | 128.57 | 9804485.8 |
| 24 | G(V29)000128 | 10500 | 10600 | 127.64 | 9804486.6 |
| 25 | G(V29)000129 | 10500 | 10625 | 127.64 | 9804485.8 |
| 26 | G(V29)000130 | 10500 | 10650 | 128.08 | 9804484.3 |
| 27 | G(V29)000131 | 10500 | 10675 | 128.40 | 9804484.1 |
| 28 | G(V29)000132 | 10500 | 10700 | 126.86 | 9804486.5 |
| 29 | G(V29)000133 | 10500 | 10725 | 126.03 | 9804487.3 |
| 30 | G(V29)000134 | 10500 | 10750 | 125.52 | 9804488.3 |
| 31 | G(V29)000135 | 10500 | 10775 | 124.96 | 9804488.4 |
| 32 | G(V29)000136 | 10500 | 10800 | 124.80 | 9804487.5 |
| 33 | G(V29)000137 | 10500 | 10825 | 124.79 | 9804485.6 |
| 34 | G(V29)000138 | 10500 | 10850 | 124.87 | 9804486.3 |
| 35 | G(V29)000139 | 10500 | 10875 | 124.32 | 9804486.1 |
| 36 | G(V29)000140 | 10500 | 10900 | 123.94 | 9804486.2 |
| 37 | G(V29)000141 | 10500 | 10925 | 123.56 | 9804485.8 |
| 38 | G(V29)000142 | 10500 | 10950 | 122.87 | 9804487.0 |
| 39 | G(V29)000143 | 10500 | 10975 | 122.59 | 9804485.4 |
| 40 | G(V29)000144 | 10500 | 11000 | 121.95 | 9804485.6 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON Δ-216.4 | | |
|---|---|---|---|---|---|
| 1 | 5248820 | 379475 | 358.8 | | |
| 2 | 5248820 | 379500 | 359.8 | 143.5 | -.1 |
| 3 | 5248820 | 379525 | 359.6 | 143.3 | -.1 |
| 4 | 5248820 | 379550 | 358.9 | 142.6 | -.2 |
| 5 | 5248820 | 379575 | 357.1 | 140.9 | -.2 |
| 6 | 5248820 | 379600 | 355.5 | 139.2 | -.2 |
| 7 | 5248820 | 379625 | 354.2 | 137.9 | -.2 |
| 8 | 5248820 | 379650 | 352.6 | 136.4 | -.2 |
| 9 | 5248820 | 379675 | 352.7 | 136.5 | -.2 |
| 10 | 5248820 | 379700 | 350.9 | 134.7 | -.2 |
| 11 | 5248820 | 379725 | 348.8 | 132.6 | -.2 |
| 12 | 5248820 | 379750 | 348.9 | 132.7 | -.2 |
| 13 | 5248820 | 379775 | 348.7 | 132.5 | -.2 |
| 14 | 5248820 | 379800 | 347.7 | 131.5 | -.2 |
| 15 | 5248820 | 379825 | 347.8 | 131.6 | -.2 |
| 16 | 5248820 | 379850 | 346.4 | 130.2 | -.2 |
| 17 | 5248820 | 379875 | 346.7 | 130.5 | -.2 |
| 18 | 5248820 | 379900 | 346.2 | 130.0 | -.2 |
| 19 | 5248820 | 379925 | 346.0 | 129.8 | -.2 |
| 20 | 5248820 | 379950 | 345.3 | 129.1 | -.2 |
| 21 | 5248820 | 379975 | 344.7 | 128.5 | -.2 |
| 22 | 5248820 | 380000 | 345.2 | 129.0 | -.2 |
| 23 | 5248820 | 380025 | 343.4 | 127.2 | -.2 |
| 24 | 5248820 | 380075 | 342.3 | 126.2 | -.2 |
| 25 | 5248820 | 380100 | 341.5 | 125.3 | -.2 |
| 26 | 5248820 | 380125 | 340.9 | 124.7 | -.2 |
| 27 | 5248820 | 380150 | 341.3 | 125.2 | -.2 |
| 28 | 5248820 | 380175 | 340.6 | 124.5 | -.2 |
| 29 | 5248820 | 380200 | 339.7 | 123.6 | -.3 |
| 30 | 5248820 | 380225 | 339.7 | 123.6 | -.3 |
| 31 | 5248820 | 380250 | 338.7 | 122.5 | -.3 |
| 32 | 5248820 | 380275 | 337.4 | 121.3 | -.3 |
| 33 | 5248820 | 380300 | 335.4 | 119.3 | -.3 |
| 34 | 5248820 | 380325 | 336.3 | 120.2 | -.3 |
| 35 | 5248820 | 380350 | 335.0 | 118.9 | -.3 |
| 36 | 5248820 | 380375 | 334.3 | 118.2 | -.3 |
| 37 | 5248820 | 380400 | 333.2 | 117.1 | -.3 |
| 38 | 5248820 | 380425 | 332.9 | 116.8 | -.3 |
| 39 | 5248820 | 380450 | 330.8 | 114.7 | -.3 |
| 40 | 5248820 | 380475 | 329.7 | 113.6 | -.3 |

| | LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|---|
| | D | M | S | D | M | S |
| 1 | 42 | 54 | 12.8434 | 145 | 31 | 25.1094 |
| 2 | 42 | 54 | 12.8576 | 145 | 31 | 26.2115 |
| 3 | 42 | 54 | 12.8718 | 145 | 31 | 27.3136 |
| 4 | 42 | 54 | 12.8860 | 145 | 31 | 28.4157 |
| 5 | 42 | 54 | 12.9002 | 145 | 31 | 29.5178 |
| 6 | 42 | 54 | 12.9144 | 145 | 31 | 30.6199 |
| 7 | 42 | 54 | 12.9286 | 145 | 31 | 31.7220 |
| 8 | 42 | 54 | 12.9428 | 145 | 31 | 32.8241 |
| 9 | 42 | 54 | 12.9570 | 145 | 31 | 33.9262 |
| 10 | 42 | 54 | 12.9712 | 145 | 31 | 35.0282 |
| 11 | 42 | 54 | 12.9854 | 145 | 31 | 36.1303 |
| 12 | 42 | 54 | 12.9996 | 145 | 31 | 37.2324 |
| 13 | 42 | 54 | 13.0138 | 145 | 31 | 38.3345 |
| 14 | 42 | 54 | 13.0279 | 145 | 31 | 39.4366 |
| 15 | 42 | 54 | 13.0421 | 145 | 31 | 40.5387 |
| 16 | 42 | 54 | 13.0563 | 145 | 31 | 41.6408 |
| 17 | 42 | 54 | 13.0704 | 145 | 31 | 42.7429 |
| 18 | 42 | 54 | 13.0846 | 145 | 31 | 43.8450 |
| 19 | 42 | 54 | 13.0988 | 145 | 31 | 44.9471 |
| 20 | 42 | 54 | 13.1129 | 145 | 31 | 46.0492 |
| 21 | 42 | 54 | 13.1271 | 145 | 31 | 47.1512 |
| 22 | 42 | 54 | 13.1413 | 145 | 31 | 48.2533 |
| 23 | 42 | 54 | 13.1554 | 145 | 31 | 49.3554 |
| 24 | 42 | 54 | 13.1837 | 145 | 31 | 51.5596 |
| 25 | 42 | 54 | 13.1978 | 145 | 31 | 52.6617 |
| 26 | 42 | 54 | 13.2120 | 145 | 31 | 53.7638 |
| 27 | 42 | 54 | 13.2261 | 145 | 31 | 54.8659 |
| 28 | 42 | 54 | 13.2403 | 145 | 31 | 55.9680 |
| 29 | 42 | 54 | 13.2544 | 145 | 31 | 57.0701 |
| 30 | 42 | 54 | 13.2685 | 145 | 31 | 58.1722 |
| 31 | 42 | 54 | 13.2826 | 145 | 31 | 59.2743 |
| 32 | 42 | 54 | 13.2968 | 145 | 32 | 0.3764 |
| 33 | 42 | 54 | 13.3109 | 145 | 32 | 1.4785 |
| 34 | 42 | 54 | 13.3250 | 145 | 32 | 2.5806 |
| 35 | 42 | 54 | 13.3391 | 145 | 32 | 3.6827 |
| 36 | 42 | 54 | 13.3532 | 145 | 32 | 4.7848 |
| 37 | 42 | 54 | 13.3673 | 145 | 32 | 5.8869 |
| 38 | 42 | 54 | 13.3814 | 145 | 32 | 6.9890 |
| 39 | 42 | 54 | 13.3955 | 145 | 32 | 8.0911 |
| 40 | 42 | 54 | 13.4096 | 145 | 32 | 9.1931 |

038

044098

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0075
SURVEY NAME : VOYAGER 29 10500N

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000005
GRID NAME : VOYAGER 29
LOCAL 10500N 10000E
AMG 5248820N 379475E
OBS. GRAVITY: 9804519.9
BASE HEIGHT : 119.31

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000005 | 10500 | 10000 | 119.31 | 9804519.9 |
| 2 | G(V29)000145 | 10500 | 9975 | 118.89 | 9804520.4 |
| 3 | G(V29)000146 | 10500 | 9950 | 114.48 | 9804531.6 |
| 4 | G(V29)000147 | 10500 | 9925 | 111.07 | 9804540.3 |
| 5 | G(V29)000148 | 10500 | 9900 | 110.25 | 9804544.3 |
| 6 | G(V29)000149 | 10500 | 9875 | 113.23 | 9804537.2 |
| 7 | G(V29)000150 | 10500 | 9850 | 108.46 | 9804548.4 |
| 8 | G(V29)000151 | 10500 | 9825 | 104.98 | 9804557.9 |
| 9 | G(V29)000152 | 10500 | 9800 | 103.08 | 9804562.6 |
| 10 | G(V29)000153 | 10500 | 9775 | 101.66 | 9804566.7 |
| 11 | G(V29)000154 | 10500 | 9750 | 101.20 | 9804567.9 |
| 12 | G(V29)000155 | 10500 | 9700 | 104.07 | 9804562.9 |
| 13 | G(V29)000156 | 10500 | 9675 | 104.62 | 9804563.0 |
| 14 | G(V29)000157 | 10500 | 9650 | 104.15 | 9804563.0 |
| 15 | G(V29)000158 | 10500 | 9625 | 103.46 | 9804564.4 |
| 16 | G(V29)000159 | 10500 | 9600 | 101.26 | 9804566.2 |
| 17 | G(V29)000160 | 10500 | 9575 | 98.64 | 9804571.1 |
| 18 | G(V29)000161 | 10500 | 9550 | 97.23 | 9804575.8 |
| 19 | G(V29)000162 | 10500 | 9525 | 90.08 | 9804591.8 |
| 20 | G(V29)000163 | 10500 | 9500 | 86.77 | 9804599.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5248820 | 379475 |
| 2 | 5248820 | 379450 |
| 3 | 5248820 | 379425 |
| 4 | 5248820 | 379400 |
| 5 | 5248820 | 379375 |
| 6 | 5248820 | 379350 |
| 7 | 5248820 | 379325 |
| 8 | 5248820 | 379300 |
| 9 | 5248820 | 379275 |
| 10 | 5248820 | 379250 |
| 11 | 5248820 | 379225 |
| 12 | 5248820 | 379175 |
| 13 | 5248820 | 379150 |
| 14 | 5248820 | 379125 |
| 15 | 5248820 | 379100 |
| 16 | 5248820 | 379075 |
| 17 | 5248820 | 379050 |
| 18 | 5248820 | 379025 |
| 19 | 5248820 | 379000 |
| 20 | 5248820 | 378975 |

BOUGUER GRAVITY
2.52 SUMPTON A-216.4

| | | | |
|---|---|---|---|
| 358.8 | | | |
| 358.4 | 142.1 | -.1 | |
| 360.7 | 144.4 | -.1 | |
| 362.5 | 146.2 | -.1 | |
| 364.8 | 148.5 | -.1 | |
| 363.7 | 147.4 | -.1 | |
| 365.3 | 149.0 | -.1 | |
| 367.7 | 151.4 | -.1 | |
| 368.6 | 152.3 | -.1 | |
| 369.7 | 153.4 | -.1 | |
| 370.0 | 153.7 | -.1 | |
| 370.9 | 154.5 | -.1 | |
| 372.1 | 155.7 | -.1 | |
| 371.1 | 154.8 | -.1 | |
| 371.1 | 154.8 | -.1 | |
| 368.5 | 152.1 | -.1 | |
| 368.1 | 151.7 | -.1 | |
| 369.9 | 153.6 | -.0 | |
| 371.4 | 155.1 | -.0 | |
| 372.1 | 155.8 | -.0 | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 12.8434 | 145 | 31 | 25.1094 |
| 2 | 42 | 54 | 12.8292 | 145 | 31 | 24.0074 |
| 3 | 42 | 54 | 12.8149 | 145 | 31 | 22.9053 |
| 4 | 42 | 54 | 12.8007 | 145 | 31 | 21.8032 |
| 5 | 42 | 54 | 12.7865 | 145 | 31 | 20.7011 |
| 6 | 42 | 54 | 12.7723 | 145 | 31 | 19.5990 |
| 7 | 42 | 54 | 12.7580 | 145 | 31 | 18.4969 |
| 8 | 42 | 54 | 12.7438 | 145 | 31 | 17.3948 |
| 9 | 42 | 54 | 12.7296 | 145 | 31 | 16.2927 |
| 10 | 42 | 54 | 12.7153 | 145 | 31 | 15.1907 |
| 11 | 42 | 54 | 12.7011 | 145 | 31 | 14.0886 |
| 12 | 42 | 54 | 12.6726 | 145 | 31 | 11.8844 |
| 13 | 42 | 54 | 12.6583 | 145 | 31 | 10.7823 |
| 14 | 42 | 54 | 12.6441 | 145 | 31 | 9.6802 |
| 15 | 42 | 54 | 12.6298 | 145 | 31 | 8.5781 |
| 16 | 42 | 54 | 12.6156 | 145 | 31 | 7.4761 |
| 17 | 42 | 54 | 12.6013 | 145 | 31 | 6.3740 |
| 18 | 42 | 54 | 12.5870 | 145 | 31 | 5.2719 |
| 19 | 42 | 54 | 12.5728 | 145 | 31 | 4.1698 |
| 20 | 42 | 54 | 12.5585 | 145 | 31 | 3.0677 |

099

044099

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0076
SURVEY NAME :
VOYAGER 29 10600N 25/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000003
GRID NAME : VOYAGER 29
LOCAL 10600N 10000E
AMG 5248920N 379475E
OBS. GRAVITY: 9804533.2
BASE HEIGHT : 113.85

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000003 | 10600 | 10000 | 113.85 | 9804533.2 |
| 2 | G(V29)000164 | 10600 | 10025 | 113.98 | 9804532.7 |
| 3 | G(V29)000165 | 10600 | 10050 | 116.41 | 9804526.6 |
| 4 | G(V29)000166 | 10600 | 10075 | 117.65 | 9804522.7 |
| 5 | G(V29)000167 | 10600 | 10100 | 116.21 | 9804523.5 |
| 6 | G(V29)000168 | 10600 | 10125 | 116.79 | 9804521.4 |
| 7 | G(V29)000169 | 10600 | 10150 | 118.43 | 9804518.2 |
| 8 | G(V29)000170 | 10600 | 10175 | 118.86 | 9804516.2 |
| 9 | G(V29)000171 | 10600 | 10200 | 119.76 | 9804512.6 |
| 10 | G(V29)000172 | 10600 | 10225 | 121.83 | 9804507.1 |
| 11 | G(V29)000173 | 10600 | 10250 | 122.52 | 9804504.6 |
| 12 | G(V29)000174 | 10600 | 10275 | 124.45 | 9804499.4 |
| 13 | G(V29)000175 | 10600 | 10300 | 126.54 | 9804494.6 |
| 14 | G(V29)000176 | 10600 | 10325 | 130.61 | 9804485.7 |
| 15 | G(V29)000177 | 10600 | 10350 | 130.66 | 9804484.7 |
| 16 | G(V29)000178 | 10600 | 10375 | 128.12 | 9804490.2 |
| 17 | G(V29)000179 | 10600 | 10400 | 127.65 | 9804491.5 |
| 18 | G(V29)000180 | 10600 | 10425 | 128.08 | 9804489.8 |
| 19 | G(V29)000181 | 10600 | 10450 | 128.84 | 9804487.4 |
| 20 | G(V29)000182 | 10600 | 10475 | 130.29 | 9804483.7 |
| 21 | G(V29)000183 | 10600 | 10500 | 130.90 | 9804482.8 |
| 22 | G(V29)000184 | 10600 | 10525 | 131.60 | 9804480.7 |
| 23 | G(V29)000185 | 10600 | 10550 | 130.45 | 9804482.4 |
| 24 | G(V29)000186 | 10600 | 10575 | 128.93 | 9804485.0 |
| 25 | G(V29)000187 | 10600 | 10600 | 128.78 | 9804485.2 |
| 26 | G(V29)000188 | 10600 | 10625 | 128.39 | 9804485.4 |
| 27 | G(V29)000189 | 10600 | 10650 | 127.98 | 9804485.7 |
| 28 | G(V29)000190 | 10600 | 10675 | 128.24 | 9804484.8 |
| 29 | G(V29)000191 | 10600 | 10700 | 128.53 | 9804482.9 |
| 30 | G(V29)000192 | 10600 | 10725 | 125.85 | 9804488.4 |
| 31 | G(V29)000193 | 10600 | 10750 | 125.51 | 9804489.3 |
| 32 | G(V29)000194 | 10600 | 10775 | 125.10 | 9804488.9 |
| 33 | G(V29)000195 | 10600 | 10800 | 125.00 | 9804488.5 |
| 34 | G(V29)000196 | 10600 | 10850 | 125.09 | 9804486.8 |
| 35 | G(V29)000197 | 10600 | 10875 | 125.56 | 9804484.3 |
| 36 | G(V29)000198 | 10600 | 10900 | 125.68 | 9804483.8 |
| 37 | G(V29)000199 | 10600 | 10925 | 125.89 | 9804481.4 |
| 38 | G(V29)000200 | 10600 | 10950 | 124.03 | 9804484.5 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON Δ-216.4 | | |
|---|---|---|---|---|---|
| 1 | 5248920 | 379475 | 361.8 | | |
| 2 | 5248920 | 379500 | 361.5 | 145.2 | -.1 |
| 3 | 5248920 | 379525 | 360.4 | 144.1 | -.1 |
| 4 | 5248920 | 379550 | 359.0 | 142.7 | -.1 |
| 5 | 5248920 | 379575 | 356.9 | 140.7 | -.1 |
| 6 | 5248920 | 379600 | 355.9 | 139.7 | -.2 |
| 7 | 5248920 | 379625 | 356.1 | 139.9 | -.2 |
| 8 | 5248920 | 379650 | 355.0 | 138.8 | -.2 |
| 9 | 5248920 | 379675 | 353.2 | 137.0 | -.2 |
| 10 | 5248920 | 379700 | 351.8 | 135.7 | -.2 |
| 11 | 5248920 | 379725 | 350.8 | 134.6 | -.3 |
| 12 | 5248920 | 379750 | 349.5 | 133.4 | -.3 |
| 13 | 5248920 | 379775 | 348.9 | 132.8 | -.3 |
| 14 | 5248920 | 379800 | 348.3 | 132.2 | -.3 |
| 15 | 5248920 | 379825 | 347.4 | 131.3 | -.3 |
| 16 | 5248920 | 379850 | 347.8 | 131.7 | -.4 |
| 17 | 5248920 | 379875 | 348.0 | 132.0 | -.4 |
| 18 | 5248920 | 379900 | 347.2 | 131.2 | -.4 |
| 19 | 5248920 | 379925 | 346.4 | 130.4 | -.4 |
| 20 | 5248920 | 379950 | 345.6 | 129.6 | -.5 |
| 21 | 5248920 | 379975 | 346.0 | 130.1 | -.5 |
| 22 | 5248920 | 380000 | 345.3 | 129.4 | -.5 |
| 23 | 5248920 | 380025 | 344.7 | 128.8 | -.5 |
| 24 | 5248920 | 380050 | 344.1 | 128.2 | -.5 |
| 25 | 5248920 | 380075 | 344.0 | 128.1 | -.5 |
| 26 | 5248920 | 380100 | 343.4 | 127.6 | -.6 |
| 27 | 5248920 | 380125 | 342.9 | 127.1 | -.6 |
| 28 | 5248920 | 380150 | 341.7 | 125.9 | -.6 |
| 29 | 5248920 | 380175 | 341.2 | 125.4 | -.6 |
| 30 | 5248920 | 380200 | 341.3 | 125.5 | -.6 |
| 31 | 5248920 | 380225 | 341.5 | 125.3 | -.3 |
| 32 | 5248920 | 380250 | 340.3 | 124.5 | -.7 |
| 33 | 5248920 | 380275 | 339.6 | 123.9 | -.7 |
| 34 | 5248920 | 380325 | 338.1 | 122.4 | -.7 |
| 35 | 5248920 | 380350 | 336.5 | 120.8 | -.7 |
| 36 | 5248920 | 380375 | 336.3 | 120.7 | -.7 |
| 37 | 5248920 | 380400 | 334.3 | 118.7 | -.8 |
| 38 | 5248920 | 380425 | 333.6 | 118.0 | -.8 |

044100

| | LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|---|
| | D | M | S | D | M | S |
| 1 | 42 | 54 | 9.6026 | 145 | 31 | 25.1868 |
| 2 | 42 | 54 | 9.6168 | 145 | 31 | 26.2889 |
| 3 | 42 | 54 | 9.6310 | 145 | 31 | 27.3909 |
| 4 | 42 | 54 | 9.6452 | 145 | 31 | 28.4930 |
| 5 | 42 | 54 | 9.6594 | 145 | 31 | 29.5951 |
| 6 | 42 | 54 | 9.6736 | 145 | 31 | 30.6972 |
| 7 | 42 | 54 | 9.6878 | 145 | 31 | 31.7992 |
| 8 | 42 | 54 | 9.7020 | 145 | 31 | 32.9013 |
| 9 | 42 | 54 | 9.7162 | 145 | 31 | 34.0034 |
| 10 | 42 | 54 | 9.7304 | 145 | 31 | 35.1054 |
| 11 | 42 | 54 | 9.7446 | 145 | 31 | 36.2075 |
| 12 | 42 | 54 | 9.7588 | 145 | 31 | 37.3096 |
| 13 | 42 | 54 | 9.7730 | 145 | 31 | 38.4117 |
| 14 | 42 | 54 | 9.7871 | 145 | 31 | 39.5137 |
| 15 | 42 | 54 | 9.8013 | 145 | 31 | 40.6158 |
| 16 | 42 | 54 | 9.8155 | 145 | 31 | 41.7179 |
| 17 | 42 | 54 | 9.8296 | 145 | 31 | 42.8200 |
| 18 | 42 | 54 | 9.8438 | 145 | 31 | 43.9220 |
| 19 | 42 | 54 | 9.8580 | 145 | 31 | 45.0241 |
| 20 | 42 | 54 | 9.8721 | 145 | 31 | 46.1262 |
| 21 | 42 | 54 | 9.8863 | 145 | 31 | 47.2283 |
| 22 | 42 | 54 | 9.9004 | 145 | 31 | 48.3304 |
| 23 | 42 | 54 | 9.9146 | 145 | 31 | 49.4324 |
| 24 | 42 | 54 | 9.9287 | 145 | 31 | 50.5345 |
| 25 | 42 | 54 | 9.9429 | 145 | 31 | 51.6366 |
| 26 | 42 | 54 | 9.9570 | 145 | 31 | 52.7387 |
| 27 | 42 | 54 | 9.9712 | 145 | 31 | 53.8407 |
| 28 | 42 | 54 | 9.9853 | 145 | 31 | 54.9428 |
| 29 | 42 | 54 | 9.9994 | 145 | 31 | 56.0449 |
| 30 | 42 | 54 | 10.0136 | 145 | 31 | 57.1470 |
| 31 | 42 | 54 | 10.0277 | 145 | 31 | 58.2490 |
| 32 | 42 | 54 | 10.0418 | 145 | 31 | 59.3511 |
| 33 | 42 | 54 | 10.0560 | 145 | 32 | 0.4532 |
| 34 | 42 | 54 | 10.0842 | 145 | 32 | 2.6574 |
| 35 | 42 | 54 | 10.0983 | 145 | 32 | 3.7594 |
| 36 | 42 | 54 | 10.1124 | 145 | 32 | 4.8615 |
| 37 | 42 | 54 | 10.1265 | 145 | 32 | 5.9636 |
| 38 | 42 | 54 | 10.1406 | 145 | 32 | 7.0657 |

01

044101

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0077
SURVEY NAME :
VOYAGER 29 10700N 26/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000001
GRID NAME : VOYAGER 29
LOCAL 10700N 10000E
AMG 5249020N 379475E
OBS. GRAVITY: 9804526.9
BASE HEIGHT : 116.27

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000001 | 10700 | 10000 | 116.27 | 9804526.9 |
| 2 | G(V29)000201 | 10700 | 10025 | 118.46 | 9804520.3 |
| 3 | G(V29)000202 | 10700 | 10050 | 120.78 | 9804513.9 |
| 4 | G(V29)000203 | 10700 | 10075 | 122.07 | 9804509.9 |
| 5 | G(V29)000204 | 10700 | 10100 | 122.18 | 9804508.7 |
| 6 | G(V29)000205 | 10700 | 10125 | 121.27 | 9804510.2 |
| 7 | G(V29)000206 | 10700 | 10150 | 120.22 | 9804511.4 |
| 8 | G(V29)000207 | 10700 | 10175 | 119.68 | 9804512.6 |
| 9 | G(V29)000208 | 10700 | 10200 | 119.44 | 9804512.3 |
| 10 | G(V29)000209 | 10700 | 10250 | 120.46 | 9804508.8 |
| 11 | G(V29)000210 | 10700 | 10275 | 121.65 | 9804502.9 |
| 12 | G(V29)000211 | 10700 | 10300 | 122.49 | 9804501.6 |
| 13 | G(V29)000212 | 10700 | 10325 | 123.49 | 9804498.3 |
| 14 | G(V29)000213 | 10700 | 10350 | 124.66 | 9804495.0 |
| 15 | G(V29)000214 | 10700 | 10375 | 127.79 | 9804489.1 |
| 16 | G(V29)000215 | 10700 | 10400 | 128.47 | 9804487.1 |
| 17 | G(V29)000216 | 10700 | 10425 | 128.61 | 9804486.8 |
| 18 | G(V29)000217 | 10700 | 10450 | 128.79 | 9804486.3 |
| 19 | G(V29)000218 | 10700 | 10475 | 129.07 | 9804485.4 |
| 20 | G(V29)000219 | 10700 | 10500 | 129.44 | 9804483.5 |
| 21 | G(V29)000220 | 10700 | 10525 | 130.11 | 9804481.4 |
| 22 | G(V29)000221 | 10700 | 10550 | 131.77 | 9804477.6 |
| 23 | G(V29)000222 | 10700 | 10575 | 131.07 | 9804477.3 |
| 24 | G(V29)000223 | 10700 | 10600 | 129.45 | 9804481.7 |
| 25 | G(V29)000224 | 10700 | 10625 | 128.98 | 9804482.2 |
| 26 | G(V29)000225 | 10700 | 10650 | 129.06 | 9804481.7 |
| 27 | G(V29)000226 | 10700 | 10675 | 127.86 | 9804483.9 |
| 28 | G(V29)000227 | 10700 | 10700 | 127.29 | 9804486.1 |
| 29 | G(V29)000228 | 10700 | 10750 | 126.50 | 9804486.1 |
| 30 | G(V29)000229 | 10700 | 10775 | 127.43 | 9804483.2 |
| 31 | G(V29)000230 | 10700 | 10800 | 127.65 | 9804482.3 |
| 32 | G(V29)000231 | 10700 | 10825 | 125.74 | 9804485.5 |
| 33 | G(V29)000232 | 10700 | 10850 | 125.80 | 9804482.8 |
| 34 | G(V29)000233 | 10700 | 10875 | 126.86 | 9804480.1 |
| 35 | G(V29)000234 | 10700 | 10900 | 129.31 | 9804473.9 |
| 36 | G(V29)000235 | 10700 | 10925 | 127.11 | 9804477.3 |
| 37 | G(V29)000236 | 10700 | 10950 | 125.36 | 9804480.6 |
| 38 | G(V29)000237 | 10700 | 10975 | 124.45 | 9804480.0 |
| 39 | G(V29)000238 | 10700 | 11000 | 124.28 | 9804479.4 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON A-216.4 | |
|---|---|---|---|---|---|
| 1 | 5249020 | 379475 | 361.2 | | |
| 2 | 5249020 | 379500 | 359.1 | 142.7 | -.0 |
| 3 | 5249020 | 379525 | 357.4 | 141.1 | -.0 |
| 4 | 5249020 | 379550 | 356.0 | 139.7 | -.0 |
| 5 | 5249020 | 379575 | 355.1 | 138.7 | -.0 |
| 6 | 5249020 | 379600 | 354.6 | 138.3 | -.0 |
| 7 | 5249020 | 379625 | 353.7 | 137.4 | -.1 |
| 8 | 5249020 | 379650 | 353.8 | 137.4 | -.1 |
| 9 | 5249020 | 379675 | 353.8 | 136.7 | -.1 |
| 10 | 5249020 | 379725 | 351.6 | 135.3 | -.1 |
| 11 | 5249020 | 379750 | 348.1 | 131.8 | -.1 |
| 12 | 5249020 | 379775 | 348.5 | 132.2 | -.1 |
| 13 | 5249020 | 379800 | 347.2 | 130.9 | -.1 |
| 14 | 5249020 | 379825 | 346.3 | 130.0 | -.1 |
| 15 | 5249020 | 379850 | 346.8 | 130.5 | -.1 |
| 16 | 5249020 | 379875 | 346.2 | 129.9 | -.1 |
| 17 | 5249020 | 379900 | 346.1 | 129.8 | -.1 |
| 18 | 5249020 | 379925 | 346.0 | 129.7 | -.1 |
| 19 | 5249020 | 379950 | 345.7 | 129.4 | -.1 |
| 20 | 5249020 | 379975 | 344.5 | 128.2 | -.1 |
| 21 | 5249020 | 380000 | 343.7 | 127.4 | -.1 |
| 22 | 5249020 | 380025 | 343.3 | 127.0 | -.1 |
| 23 | 5249020 | 380050 | 341.6 | 125.3 | -.1 |
| 24 | 5249020 | 380075 | 342.7 | 126.4 | -.1 |
| 25 | 5249020 | 380100 | 342.2 | 126.0 | -.1 |
| 26 | 5249020 | 380125 | 341.9 | 125.6 | -.1 |
| 27 | 5249020 | 380150 | 341.6 | 125.4 | -.1 |
| 28 | 5249020 | 380175 | 342.7 | 126.4 | -.1 |
| 29 | 5249020 | 380225 | 341.1 | 124.8 | -.1 |
| 30 | 5249020 | 380250 | 340.1 | 123.8 | -.1 |
| 31 | 5249020 | 380275 | 339.6 | 123.3 | -.2 |
| 32 | 5249020 | 380300 | 338.9 | 122.7 | -.2 |
| 33 | 5249020 | 380325 | 336.4 | 120.1 | -.2 |
| 34 | 5249020 | 380350 | 335.8 | 119.6 | -.2 |
| 35 | 5249020 | 380375 | 334.6 | 118.3 | -.2 |
| 36 | 5249020 | 380400 | 333.5 | 117.3 | -.2 |
| 37 | 5249020 | 380425 | 333.2 | 117.0 | -.2 |
| 38 | 5249020 | 380450 | 330.8 | 114.6 | -.2 |
| 39 | 5249020 | 380475 | 329.8 | 113.6 | -.2 |

044102

| | LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|---|
| | D | M | S | D | M | S |
| 1 | 42 | 54 | 6.3618 | 145 | 31 | 25.2641 |
| 2 | 42 | 54 | 6.3760 | 145 | 31 | 26.3662 |
| 3 | 42 | 54 | 6.3902 | 145 | 31 | 27.4682 |
| 4 | 42 | 54 | 6.4044 | 145 | 31 | 28.5703 |
| 5 | 42 | 54 | 6.4186 | 145 | 31 | 29.6724 |
| 6 | 42 | 54 | 6.4328 | 145 | 31 | 30.7744 |
| 7 | 42 | 54 | 6.4470 | 145 | 31 | 31.8765 |
| 8 | 42 | 54 | 6.4612 | 145 | 31 | 32.9785 |
| 9 | 42 | 54 | 6.4754 | 145 | 31 | 34.0806 |
| 10 | 42 | 54 | 6.5038 | 145 | 31 | 36.2847 |
| 11 | 42 | 54 | 6.5180 | 145 | 31 | 37.3868 |
| 12 | 42 | 54 | 6.5321 | 145 | 31 | 38.4888 |
| 13 | 42 | 54 | 6.5463 | 145 | 31 | 39.5909 |
| 14 | 42 | 54 | 6.5605 | 145 | 31 | 40.6929 |
| 15 | 42 | 54 | 6.5747 | 145 | 31 | 41.7950 |
| 16 | 42 | 54 | 6.5888 | 145 | 31 | 42.8971 |
| 17 | 42 | 54 | 6.6030 | 145 | 31 | 43.9991 |
| 18 | 42 | 54 | 6.6172 | 145 | 31 | 45.1012 |
| 19 | 42 | 54 | 6.6313 | 145 | 31 | 46.2032 |
| 20 | 42 | 54 | 6.6455 | 145 | 31 | 47.3053 |
| 21 | 42 | 54 | 6.6596 | 145 | 31 | 48.4074 |
| 22 | 42 | 54 | 6.6738 | 145 | 31 | 49.5094 |
| 23 | 42 | 54 | 6.6879 | 145 | 31 | 50.6115 |
| 24 | 42 | 54 | 6.7021 | 145 | 31 | 51.7135 |
| 25 | 42 | 54 | 6.7162 | 145 | 31 | 52.8156 |
| 26 | 42 | 54 | 6.7304 | 145 | 31 | 53.9177 |
| 27 | 42 | 54 | 6.7445 | 145 | 31 | 55.0197 |
| 28 | 42 | 54 | 6.7586 | 145 | 31 | 56.1218 |
| 29 | 42 | 54 | 6.7869 | 145 | 31 | 58.3259 |
| 30 | 42 | 54 | 6.8010 | 145 | 31 | 59.4280 |
| 31 | 42 | 54 | 6.8151 | 145 | 32 | 0.5300 |
| 32 | 42 | 54 | 6.8293 | 145 | 32 | 1.6321 |
| 33 | 42 | 54 | 6.8434 | 145 | 32 | 2.7342 |
| 34 | 42 | 54 | 6.8575 | 145 | 32 | 3.8362 |
| 35 | 42 | 54 | 6.8716 | 145 | 32 | 4.9383 |
| 36 | 42 | 54 | 6.8857 | 145 | 32 | 6.0404 |
| 37 | 42 | 54 | 6.8998 | 145 | 32 | 7.1424 |
| 38 | 42 | 54 | 6.9139 | 145 | 32 | 8.2445 |
| 39 | 42 | 54 | 6.9280 | 145 | 32 | 9.3465 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0078
SURVEY NAME : VOYAGER 29 10700N

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V29)000005
GRID NAME : VOYAGER 29
LOCAL 10500N 10000E
AMG 5248820N 379475E
OBS. GRAVITY: 9804519.9
BASE HEIGHT : 119.31

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V29)000005 | 10500 | 10000 | 119.31 | 9804519.9 |
| 2 | G(V29)000239 | 10700 | 9575 | 93.17 | 9804583.3 |
| 3 | G(V29)000240 | 10700 | 9600 | 91.37 | 9804587.7 |
| 4 | G(V29)000241 | 10700 | 9650 | 101.87 | 9804567.0 |
| 5 | G(V29)000242 | 10700 | 9675 | 104.27 | 9804561.5 |
| 6 | G(V29)000243 | 10700 | 9700 | 107.27 | 9804555.2 |
| 7 | G(V29)000244 | 10700 | 9725 | 109.27 | 9804549.9 |
| 8 | G(V29)000245 | 10700 | 9750 | 110.07 | 9804546.2 |
| 9 | G(V29)000246 | 10700 | 9775 | 111.67 | 9804543.6 |
| 10 | G(V29)000247 | 10700 | 9800 | 108.27 | 9804551.1 |
| 11 | G(V29)000248 | 10700 | 9825 | 108.57 | 9804550.0 |
| 12 | G(V29)000249 | 10700 | 9850 | 110.47 | 9804544.6 |
| 13 | G(V29)000250 | 10700 | 9875 | 111.97 | 9804540.9 |
| 14 | G(V29)000251 | 10700 | 9900 | 113.67 | 9804536.1 |
| 15 | G(V29)000252 | 10700 | 9925 | 116.67 | 9804528.7 |
| 16 | G(V29)000253 | 10700 | 9950 | 115.57 | 9804529.6 |
| 17 | G(V29)000254 | 10700 | 9975 | 116.07 | 9804527.5 |
| 18 | G(V29)000001 | 10700 | 10000 | 116.27 | 9804526.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5248820 | 379475 |
| 2 | 5249020 | 379050 |
| 3 | 5249020 | 379075 |
| 4 | 5249020 | 379125 |
| 5 | 5249020 | 379150 |
| 6 | 5249020 | 379175 |
| 7 | 5249020 | 379200 |
| 8 | 5249020 | 379225 |
| 9 | 5249020 | 379250 |
| 10 | 5249020 | 379275 |
| 11 | 5249020 | 379300 |
| 12 | 5249020 | 379325 |
| 13 | 5249020 | 379350 |
| 14 | 5249020 | 379375 |
| 15 | 5249020 | 379400 |
| 16 | 5249020 | 379425 |
| 17 | 5249020 | 379450 |
| 18 | 5249020 | 379475 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-216.4

| | | | |
|---|---|---|---|
| 358.8 | | | |
| 370.8 | 154.5 | -.0 | |
| 371.5 | 155.2 | -.0 | |
| 372.2 | 155.8 | -.1 | |
| 371.5 | 155.2 | -.1 | |
| 371.3 | 155.0 | -.1 | |
| 370.1 | 153.7 | -.1 | |
| 367.9 | 151.6 | -.1 | |
| 368.7 | 152.3 | -.1 | |
| 369.2 | 152.9 | -.1 | |
| 368.7 | 152.4 | -.1 | |
| 367.2 | 150.9 | -.1 | |
| 366.5 | 150.2 | -.1 | |
| 365.2 | 148.9 | -.1 | |
| 363.9 | 147.6 | -.1 | |
| 362.5 | 146.2 | -.1 | |
| 361.4 | 145.1 | -.1 | |
| 361.1 | 144.8 | -.1 | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 12.8434 | 145 | 31 | 25.1094 |
| 2 | 42 | 54 | 6.1197 | 145 | 31 | 6.5292 |
| 3 | 42 | 54 | 6.1340 | 145 | 31 | 7.6313 |
| 4 | 42 | 54 | 6.1625 | 145 | 31 | 9.8354 |
| 5 | 42 | 54 | 6.1767 | 145 | 31 | 10.9374 |
| 6 | 42 | 54 | 6.1910 | 145 | 31 | 12.0395 |
| 7 | 42 | 54 | 6.2052 | 145 | 31 | 13.1415 |
| 8 | 42 | 54 | 6.2195 | 145 | 31 | 14.2436 |
| 9 | 42 | 54 | 6.2337 | 145 | 31 | 15.3456 |
| 10 | 42 | 54 | 6.2480 | 145 | 31 | 16.4477 |
| 11 | 42 | 54 | 6.2622 | 145 | 31 | 17.5497 |
| 12 | 42 | 54 | 6.2764 | 145 | 31 | 18.6518 |
| 13 | 42 | 54 | 6.2907 | 145 | 31 | 19.7539 |
| 14 | 42 | 54 | 6.3049 | 145 | 31 | 20.8559 |
| 15 | 42 | 54 | 6.3191 | 145 | 31 | 21.9580 |
| 16 | 42 | 54 | 6.3334 | 145 | 31 | 23.0600 |
| 17 | 42 | 54 | 6.3476 | 145 | 31 | 24.1621 |
| 18 | 42 | 54 | 6.3618 | 145 | 31 | 25.2641 |

# APPENDIX 3

## VOYAGER 9 GRAVITY DATA

(HP85 files "TG0079" - "TG0100")

*** Note: Bouguer Density 2.52 $tm^{-3}$ ***

Comments.

Coordinates and R.L.'s are in metres. R.L. datum is A.H.D.
Gravity values (Obs. & Bouguer) are in micrometres/sec/sec.
Observed Gravity datum : Potsdam.

"BOUGUER GRAVITY" subheadings:

| | |
|---|---|
| "2.52" | Bouguer gravity (density 2.52 $tm^{-3}$ ). |
| "SUMPTON" | Bouguer gravity as computed by Sumpton (1982) using the Hammer T.C. computed by Leaman. |
| "Δ -93.3" | Difference between "2.52" and "SUMPTON" less a constant (93.3). |

105

044105

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0079
SURVEY NAME :
VOYAGER 9 10000E 21/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000001
GRID NAME : VOYAGER 9
LOCAL 10850N 10000E
AMG 5246535N 380226E
OBS. GRAVITY: 9804616.9
BASE HEIGHT : 73.42

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000001 | 10850 | 10000 | 73.42 | 9804616.9 |
| 2 | G(V 9)000002 | 10950 | 10000 | 85.39 | 9804590.7 |
| 3 | G(V 9)000003 | 11050 | 10000 | 88.97 | 9804581.3 |
| 4 | G(V 9)000004 | 11150 | 10000 | 93.47 | 9804570.0 |
| 5 | G(V 9)000005 | 11250 | 10000 | 98.92 | 9804558.4 |
| 6 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |

| | AMG N | E |
|---|---|---|
| 1 | 5246535 | 380226 |
| 2 | 5246633 | 380245 |
| 3 | 5246731 | 380264 |
| 4 | 5246829 | 380283 |
| 5 | 5246928 | 380302 |
| 6 | 5247026 | 380321 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| 344.0 | | | |
| 342.9 | 249.6 | | .0 |
| 341.5 | 248.2 | | .0 |
| 340.1 | 246.8 | | .0 |
| 340.4 | 247.1 | | .0 |
| 339.4 | 246.1 | | .0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 27.3215 | 145 | 31 | 56.4590 |
| 2 | 42 | 55 | 24.1510 | 145 | 31 | 57.3759 |
| 3 | 42 | 55 | 20.9805 | 145 | 31 | 58.2929 |
| 4 | 42 | 55 | 17.8101 | 145 | 31 | 59.2098 |
| 5 | 42 | 55 | 14.6396 | 145 | 32 | 0.1266 |
| 6 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |

```
*********************************
*    GEOPEKO GRAVITY SURVEY     *
*********************************

FILE          : TG0080
SURVEY NAME :
VOYAGER 9 10000E 23/1/82

GRAV. METER : W592
SCALE FACTOR:  1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000010
GRID NAME     :          VOYAGER 9
LOCAL       11550N     10000E
AMG       5247222N    380360E
OBS. GRAVITY:  9804557.2
BASE HEIGHT :  97.25
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000010 | 11550 | 10000 | 97.25 | 9804557.2 |
| 2 | G(V 9)000009 | 11500 | 10000 | 99.39 | 9804554.2 |
| 3 | G(V 9)000008 | 11450 | 10000 | 100.55 | 9804551.2 |
| 4 | G(V 9)000007 | 11400 | 10000 | 100.49 | 9804552.5 |
| 5 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |

| | AMG N | E | BOUGUER GRAVITY |
|---|---|---|---|
| | | | 2.52 SUMPTON Δ-93.3 |
| 1 | 5247222 | 380360 | 338.2 |
| 2 | 5247173 | 380350 | 339.2 |
| 3 | 5247124 | 380340 | 338.2 |
| 4 | 5247075 | 380331 | 338.9 |
| 5 | 5247026 | 380321 | 339.3 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 5.1281 | 145 | 32 | 2.8771 |
| 2 | 42 | 55 | 6.7134 | 145 | 32 | 2.4187 |
| 3 | 42 | 55 | 8.2986 | 145 | 32 | 1.9603 |
| 4 | 42 | 55 | 9.8839 | 145 | 32 | 1.5019 |
| 5 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |

```
*********************************
*    GEOPEKO GRAVITY SURVEY     *
*********************************

FILE          : TG0081
SURVEY NAME   :
VOYAGER 9 10850N 21/11/81

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000001
GRID NAME     :          VOYAGER 9
LOCAL       10850N       10000E
AMG       5246535N     380226E
OBS. GRAVITY:   9804616.9
BASE HEIGHT   :   73.42
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000001 | 10850 | 10000 | 73.42 | 9804616.9 |
| 2 | G(V 9)000012 | 10850 | 9900 | 71.49 | 9804624.4 |
| 3 | G(V 9)000013 | 10850 | 9800 | 73.19 | 9804621.7 |
| 4 | G(V 9)000014 | 10850 | 9700 | 79.58 | 9804610.7 |
| 5 | G(V 9)000015 | 10850 | 9600 | 85.85 | 9804599.7 |
| 6 | G(V 9)000016 | 10850 | 9500 | 89.50 | 9804594.5 |
| 7 | G(V 9)000017 | 10850 | 9400 | 86.52 | 9804602.9 |
| 8 | G(V 9)000018 | 10850 | 9300 | 86.52 | 9804604.8 |
| 9 | G(V 9)000019 | 10850 | 9200 | 81.46 | 9804617.1 |
| 10 | G(V 9)000020 | 10850 | 9100 | 75.95 | 9804631.3 |
| 11 | G(V 9)000021 | 10850 | 9000 | 70.34 | 9804642.5 |
| 12 | G(V 9)000022 | 10850 | 8900 | 62.80 | 9804660.1 |
| 13 | G(V 9)000023 | 10850 | 8800 | 65.12 | 9804659.7 |
| 14 | G(V 9)000024 | 10850 | 8700 | 67.35 | 9804658.6 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON | Δ-93.3 |
|---|---|---|---|---|---|
| 1 | 5246535 | 380226 | 344.0 | | |
| 2 | 5246554 | 380128 | 347.8 | 262.4 | -7.9 |
| 3 | 5246573 | 380030 | 348.6 | 263.2 | -7.9 |
| 4 | 5246592 | 379932 | 350.9 | 265.4 | -7.9 |
| 5 | 5246611 | 379833 | 352.7 | 267.3 | -7.9 |
| 6 | 5246630 | 379735 | 355.1 | 269.6 | -7.9 |
| 7 | 5246649 | 379637 | 357.7 | 272.2 | -7.8 |
| 8 | 5246669 | 379539 | 359.6 | 274.2 | -7.8 |
| 9 | 5246688 | 379441 | 361.9 | 276.4 | -7.8 |
| 10 | 5246707 | 379343 | 365.0 | 279.5 | -7.8 |
| 11 | 5246726 | 379244 | 365.0 | 279.5 | -7.8 |
| 12 | 5246745 | 379146 | 367.4 | 281.9 | -7.7 |
| 13 | 5246764 | 379048 | 372.0 | 286.4 | -7.7 |
| 14 | 5246783 | 378950 | 375.6 | 290.0 | -7.7 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 27.3215 | 145 | 31 | 56.4590 |
| 2 | 42 | 55 | 26.6476 | 145 | 31 | 52.1449 |
| 3 | 42 | 55 | 25.9736 | 145 | 31 | 47.8307 |
| 4 | 42 | 55 | 25.2996 | 145 | 31 | 43.5167 |
| 5 | 42 | 55 | 24.6256 | 145 | 31 | 39.2026 |
| 6 | 42 | 55 | 23.9515 | 145 | 31 | 34.8886 |
| 7 | 42 | 55 | 23.2774 | 145 | 31 | 30.5746 |
| 8 | 42 | 55 | 22.6032 | 145 | 31 | 26.2607 |
| 9 | 42 | 55 | 21.9290 | 145 | 31 | 21.9467 |
| 10 | 42 | 55 | 21.2547 | 145 | 31 | 17.6328 |
| 11 | 42 | 55 | 20.5804 | 145 | 31 | 13.3189 |
| 12 | 42 | 55 | 19.9061 | 145 | 31 | 9.0051 |
| 13 | 42 | 55 | 19.2317 | 145 | 31 | 4.6913 |
| 14 | 42 | 55 | 18.5572 | 145 | 31 | 0.3775 |

```
**********************************
*    GEOPEKO GRAVITY SURVEY      *
**********************************

FILE          : TG0082
SURVEY NAME   :
VOYAGER 9 10850N 21/11/81

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000001
GRID NAME     :          VOYAGER 9
LOCAL       10850N      10000E
AMG       5246535N    380226E
OBS. GRAVITY:   9804616.9
BASE HEIGHT   :   73.42
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000001 | 10850 | 10000 | 73.42 | 9804616.9 |
| 2 | G(V 9)000025 | 10850 | 10100 | 80.57 | 9804598.9 |
| 3 | G(V 9)000026 | 10850 | 10200 | 72.80 | 9804611.3 |
| 4 | G(V 9)000027 | 10850 | 10300 | 77.97 | 9804598.7 |
| 5 | G(V 9)000028 | 10850 | 10400 | 74.38 | 9804600.4 |
| 6 | G(V 9)000029 | 10850 | 10500 | 89.44 | 9804565.9 |
| 7 | G(V 9)000030 | 10850 | 10600 | 93.55 | 9804554.3 |
| 8 | G(V 9)000031 | 10850 | 10700 | 103.40 | 9804529.6 |
| 9 | G(V 9)000032 | 10850 | 10800 | 102.30 | 9804531.8 |
| 10 | G(V 9)000033 | 10850 | 10900 | 100.31 | 9804532.5 |
| 11 | G(V 9)000034 | 10850 | 11000 | 90.61 | 9804550.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5246535 | 380226 |
| 2 | 5246516 | 380324 |
| 3 | 5246497 | 380422 |
| 4 | 5246478 | 380520 |
| 5 | 5246459 | 380619 |
| 6 | 5246440 | 380717 |
| 7 | 5246421 | 380815 |
| 8 | 5246401 | 380913 |
| 9 | 5246382 | 381011 |
| 10 | 5246363 | 381109 |
| 11 | 5246344 | 381208 |

BOUGUER GRAVITY
2.52  SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| | 344.0 | | |
| | 340.4 | 255.0 | -7.9 |
| | 336.8 | 251.4 | -7.9 |
| | 334.5 | 249.2 | -8.0 |
| | 328.8 | 243.5 | -8.0 |
| | 324.7 | 239.4 | -8.0 |
| | 321.3 | 236.0 | -8.0 |
| | 316.4 | 231.2 | -8.0 |
| | 316.1 | 230.9 | -8.1 |
| | 312.7 | 227.5 | -8.1 |
| | 311.1 | 225.8 | -8.1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 27.3215 | 145 | 31 | 56.4590 |
| 2 | 42 | 55 | 27.9953 | 145 | 32 | 0.7731 |
| 3 | 42 | 55 | 28.6691 | 145 | 32 | 5.0873 |
| 4 | 42 | 55 | 29.3429 | 145 | 32 | 9.4015 |
| 5 | 42 | 55 | 30.0166 | 145 | 32 | 13.7158 |
| 6 | 42 | 55 | 30.6903 | 145 | 32 | 18.0300 |
| 7 | 42 | 55 | 31.3640 | 145 | 32 | 22.3443 |
| 8 | 42 | 55 | 32.0375 | 145 | 32 | 26.6586 |
| 9 | 42 | 55 | 32.7111 | 145 | 32 | 30.9730 |
| 10 | 42 | 55 | 33.3846 | 145 | 32 | 35.2874 |
| 11 | 42 | 55 | 34.0581 | 145 | 32 | 39.6018 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0083
SURVEY NAME :
VOYAGER 9 10950N 21/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000002
GRID NAME : VOYAGER 9
LOCAL 10950N 10000E
AMG 5246633N 380245E
OBS. GRAVITY: 9804590.7
BASE HEIGHT : 85.39

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000002 | 10950 | 10000 | 85.39 | 9804590.7 |
| 2 | G(V 9)000035 | 10950 | 9975 | 83.57 | 9804594.2 |
| 3 | G(V 9)000036 | 10950 | 9950 | 80.11 | 9804602.2 |
| 4 | G(V 9)000037 | 10950 | 9925 | 79.60 | 9804603.9 |
| 5 | G(V 9)000038 | 10950 | 9900 | 77.78 | 9804608.9 |
| 6 | G(V 9)000039 | 10950 | 9875 | 76.90 | 9804610.5 |
| 7 | G(V 9)000040 | 10950 | 9850 | 74.24 | 9804617.7 |
| 8 | G(V 9)000041 | 10950 | 9825 | 71.22 | 9804623.9 |
| 9 | G(V 9)000042 | 10950 | 9800 | 74.32 | 9804617.4 |
| 10 | G(V 9)000043 | 10950 | 9775 | 76.57 | 9804614.1 |
| 11 | G(V 9)000044 | 10950 | 9750 | 78.46 | 9804609.7 |
| 12 | G(V 9)000045 | 10950 | 9725 | 80.14 | 9804607.1 |
| 13 | G(V 9)000046 | 10950 | 9700 | 81.55 | 9804605.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5246633 | 380245 |
| 2 | 5246638 | 380221 |
| 3 | 5246643 | 380196 |
| 4 | 5246647 | 380171 |
| 5 | 5246652 | 380147 |
| 6 | 5246657 | 380122 |
| 7 | 5246662 | 380098 |
| 8 | 5246667 | 380073 |
| 9 | 5246671 | 380049 |
| 10 | 5246676 | 380024 |
| 11 | 5246681 | 380000 |
| 12 | 5246686 | 379975 |
| 13 | 5246690 | 379951 |

| BOUGUER GRAVITY 2.52 | SUMPTON Δ-93.3 | |
|---|---|---|
| 342.9 | | |
| 342.8 | 249.4 | .0 |
| 343.8 | 250.4 | .0 |
| 344.4 | 251.1 | .0 |
| 345.9 | 252.5 | .1 |
| 345.7 | 252.3 | .1 |
| 347.5 | 254.1 | .1 |
| 347.6 | 254.2 | .1 |
| 347.5 | 254.1 | .1 |
| 348.7 | 255.3 | .1 |
| 348.2 | 254.8 | .1 |
| 349.1 | 255.7 | .1 |
| 350.4 | 257.0 | .1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 24.1510 | 145 | 31 | 57.3759 |
| 2 | 42 | 55 | 23.9825 | 145 | 31 | 56.2974 |
| 3 | 42 | 55 | 23.8141 | 145 | 31 | 55.2189 |
| 4 | 42 | 55 | 23.6456 | 145 | 31 | 54.1404 |
| 5 | 42 | 55 | 23.4771 | 145 | 31 | 53.0619 |
| 6 | 42 | 55 | 23.3086 | 145 | 31 | 51.9834 |
| 7 | 42 | 55 | 23.1401 | 145 | 31 | 50.9048 |
| 8 | 42 | 55 | 22.9717 | 145 | 31 | 49.8263 |
| 9 | 42 | 55 | 22.8032 | 145 | 31 | 48.7478 |
| 10 | 42 | 55 | 22.6347 | 145 | 31 | 47.6693 |
| 11 | 42 | 55 | 22.4662 | 145 | 31 | 46.5908 |
| 12 | 42 | 55 | 22.2977 | 145 | 31 | 45.5123 |
| 13 | 42 | 55 | 22.1292 | 145 | 31 | 44.4338 |

110

044110

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0084
SURVEY NAME :
VOYAGER 9 10950N 21/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000002
GRID NAME : VOYAGER 9
LOCAL 10950N 10000E
AMG 5246633N 380245E
OBS. GRAVITY: 9804590.7
BASE HEIGHT : 85.39

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000002 | 10950 | 10000 | 85.39 | 9804590.7 |
| 2 | G(V 9)000047 | 10950 | 10025 | 86.89 | 9804586.7 |
| 3 | G(V 9)000048 | 10950 | 10050 | 88.12 | 9804583.7 |
| 4 | G(V 9)000049 | 10951 | 10075 | 89.35 | 9804580.2 |
| 5 | G(V 9)000050 | 10950 | 10100 | 89.84 | 9804578.2 |
| 6 | G(V 9)000051 | 10950 | 10125 | 88.78 | 9804579.2 |
| 7 | G(V 9)000052 | 10950 | 10150 | 86.62 | 9804583.7 |
| 8 | G(V 9)000053 | 10950 | 10175 | 85.45 | 9804585.4 |
| 9 | G(V 9)000054 | 10950 | 10200 | 84.43 | 9804586.8 |
| 10 | G(V 9)000055 | 10950 | 10225 | 82.99 | 9804588.5 |
| 11 | G(V 9)000056 | 10950 | 10250 | 80.55 | 9804592.6 |
| 12 | G(V 9)000057 | 10950 | 10275 | 79.58 | 9804594.1 |
| 13 | G(V 9)000058 | 10950 | 10300 | 79.37 | 9804594.1 |
| 14 | G(V 9)000059 | 10950 | 10325 | 76.06 | 9804599.8 |
| 15 | G(V 9)000060 | 10950 | 10350 | 73.86 | 9804603.0 |
| 16 | G(V 9)000061 | 10950 | 10375 | 70.22 | 9804609.2 |
| 17 | G(V 9)000062 | 10950 | 10400 | 69.82 | 9804607.6 |
| 18 | G(V 9)000063 | 10950 | 10425 | 73.01 | 9804600.1 |
| 19 | G(V 9)000064 | 10950 | 10450 | 76.42 | 9804591.8 |
| 20 | G(V 9)000065 | 10950 | 10475 | 80.42 | 9804584.3 |
| 21 | G(V 9)000066 | 10950 | 10500 | 83.44 | 9804577.7 |

| | AMG N | E |
|---|---|---|
| 1 | 5246633 | 380245 |
| 2 | 5246628 | 380270 |
| 3 | 5246624 | 380294 |
| 4 | 5246620 | 380319 |
| 5 | 5246614 | 380343 |
| 6 | 5246609 | 380368 |
| 7 | 5246605 | 380392 |
| 8 | 5246600 | 380417 |
| 9 | 5246595 | 380441 |
| 10 | 5246590 | 380466 |
| 11 | 5246585 | 380490 |
| 12 | 5246581 | 380515 |
| 13 | 5246576 | 380540 |
| 14 | 5246571 | 380564 |
| 15 | 5246566 | 380589 |
| 16 | 5246562 | 380613 |
| 17 | 5246557 | 380638 |
| 18 | 5246552 | 380662 |
| 19 | 5246547 | 380687 |
| 20 | 5246543 | 380711 |
| 21 | 5246538 | 380736 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | |
|---|---|---|
| 342.9 | | |
| 341.9 | 248.6 | .0 |
| 341.3 | 248.0 | .0 |
| 340.4 | 247.0 | .0 |
| 339.3 | 246.0 | .0 |
| 338.1 | 244.8 | .0 |
| 338.2 | 244.9 | .0 |
| 337.4 | 244.1 | .0 |
| 336.7 | 243.4 | .0 |
| 335.5 | 242.2 | .0 |
| 334.6 | 241.3 | .0 |
| 334.1 | 240.8 | -.0 |
| 333.6 | 240.3 | -.0 |
| 332.5 | 239.2 | -.0 |
| 331.2 | 237.9 | -.0 |
| 329.9 | 236.6 | -.0 |
| 327.6 | 234.3 | -.0 |
| 326.5 | 233.2 | -.0 |
| 325.0 | 231.7 | -.0 |
| 325.6 | 232.3 | -.0 |
| 325.1 | 231.8 | -.0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 24.1510 | 145 | 31 | 57.3759 |
| 2 | 42 | 55 | 24.3195 | 145 | 31 | 58.4545 |
| 3 | 42 | 55 | 24.4879 | 145 | 31 | 59.5330 |
| 4 | 42 | 55 | 24.6247 | 145 | 32 | 0.6207 |
| 5 | 42 | 55 | 24.8249 | 145 | 32 | 1.6900 |
| 6 | 42 | 55 | 24.9933 | 145 | 32 | 2.7686 |
| 7 | 42 | 55 | 25.1618 | 145 | 32 | 3.8471 |
| 8 | 42 | 55 | 25.3302 | 145 | 32 | 4.9256 |
| 9 | 42 | 55 | 25.4987 | 145 | 32 | 6.0042 |
| 10 | 42 | 55 | 25.6671 | 145 | 32 | 7.0827 |
| 11 | 42 | 55 | 25.8355 | 145 | 32 | 8.1612 |
| 12 | 42 | 55 | 26.0040 | 145 | 32 | 9.2398 |
| 13 | 42 | 55 | 26.1724 | 145 | 32 | 10.3183 |
| 14 | 42 | 55 | 26.3408 | 145 | 32 | 11.3969 |
| 15 | 42 | 55 | 26.5093 | 145 | 32 | 12.4754 |
| 16 | 42 | 55 | 26.6777 | 145 | 32 | 13.5539 |
| 17 | 42 | 55 | 26.8461 | 145 | 32 | 14.6325 |
| 18 | 42 | 55 | 27.0146 | 145 | 32 | 15.7110 |
| 19 | 42 | 55 | 27.1830 | 145 | 32 | 16.7896 |
| 20 | 42 | 55 | 27.3514 | 145 | 32 | 17.8681 |
| 21 | 42 | 55 | 27.5198 | 145 | 32 | 18.9467 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0085
SURVEY NAME :
VOYAGER 9 11050N 21/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000003
GRID NAME : VOYAGER 9
LOCAL 11050N 10000E
AMG 5246731N 380264E
OBS. GRAVITY: 9804581.3
BASE HEIGHT : 88.97

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000003 | 11050 | 10000 | 88.97 | 9804581.3 |
| 2 | G(V 9)000067 | 11050 | 9975 | 85.48 | 9804589.1 |
| 3 | G(V 9)000068 | 11050 | 9950 | 86.63 | 9804587.4 |
| 4 | G(V 9)000069 | 11050 | 9925 | 88.22 | 9804584.6 |
| 5 | G(V 9)000070 | 11050 | 9900 | 84.73 | 9804592.4 |
| 6 | G(V 9)000071 | 11050 | 9875 | 82.55 | 9804597.5 |
| 7 | G(V 9)000072 | 11050 | 9850 | 78.89 | 9804605.2 |
| 8 | G(V 9)000073 | 11050 | 9825 | 76.15 | 9804611.8 |
| 9 | G(V 9)000074 | 11050 | 9800 | 74.42 | 9804616.7 |
| 10 | G(V 9)000075 | 11050 | 9775 | 77.58 | 9804609.9 |
| 11 | G(V 9)000076 | 11050 | 9750 | 79.42 | 9804607.3 |
| 12 | G(V 9)000077 | 11050 | 9725 | 81.45 | 9804603.4 |
| 13 | G(V 9)000078 | 11050 | 9700 | 83.72 | 9804599.2 |
| 14 | G(V 9)000079 | 11050 | 9675 | 85.99 | 9804594.5 |
| 15 | G(V 9)000080 | 11050 | 9650 | 88.44 | 9804590.7 |
| 16 | G(V 9)000081 | 11050 | 9625 | 90.67 | 9804586.6 |
| 17 | G(V 9)000082 | 11050 | 9600 | 93.41 | 9804581.9 |

| | AMG N | E |
|---|---|---|
| 1 | 5246731 | 380264 |
| 2 | 5246736 | 380240 |
| 3 | 5246741 | 380215 |
| 4 | 5246746 | 380191 |
| 5 | 5246750 | 380166 |
| 6 | 5246755 | 380141 |
| 7 | 5246760 | 380117 |
| 8 | 5246765 | 380092 |
| 9 | 5246769 | 380068 |
| 10 | 5246774 | 380043 |
| 11 | 5246779 | 380019 |
| 12 | 5246784 | 379994 |
| 13 | 5246789 | 379970 |
| 14 | 5246793 | 379945 |
| 15 | 5246798 | 379921 |
| 16 | 5246803 | 379896 |
| 17 | 5246808 | 379872 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| 341.6 | | | |
| 342.3 | 248.9 | | .1 |
| 343.0 | 249.6 | | .1 |
| 343.5 | 250.1 | | .1 |
| 344.2 | 250.8 | | .1 |
| 344.9 | 251.6 | | .1 |
| 345.3 | 251.9 | | .1 |
| 346.3 | 252.9 | | .1 |
| 347.7 | 254.3 | | .1 |
| 347.4 | 254.0 | | .1 |
| 348.5 | 255.1 | | .1 |
| 348.9 | 255.5 | | .1 |
| 349.3 | 255.9 | | .1 |
| 349.3 | 255.9 | | .1 |
| 350.4 | 257.0 | | .1 |
| 350.9 | 257.5 | | .1 |
| 351.8 | 258.4 | | .1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 20.9805 | 145 | 31 | 58.2929 |
| 2 | 42 | 55 | 20.8121 | 145 | 31 | 57.2144 |
| 3 | 42 | 55 | 20.6436 | 145 | 31 | 56.1359 |
| 4 | 42 | 55 | 20.4751 | 145 | 31 | 55.0574 |
| 5 | 42 | 55 | 20.3066 | 145 | 31 | 53.9789 |
| 6 | 42 | 55 | 20.1382 | 145 | 31 | 52.9004 |
| 7 | 42 | 55 | 19.9697 | 145 | 31 | 51.8219 |
| 8 | 42 | 55 | 19.8012 | 145 | 31 | 50.7434 |
| 9 | 42 | 55 | 19.6327 | 145 | 31 | 49.6649 |
| 10 | 42 | 55 | 19.4642 | 145 | 31 | 48.5864 |
| 11 | 42 | 55 | 19.2957 | 145 | 31 | 47.5079 |
| 12 | 42 | 55 | 19.1272 | 145 | 31 | 46.4294 |
| 13 | 42 | 55 | 18.9587 | 145 | 31 | 45.3509 |
| 14 | 42 | 55 | 18.7902 | 145 | 31 | 44.2724 |
| 15 | 42 | 55 | 18.6217 | 145 | 31 | 43.1939 |
| 16 | 42 | 55 | 18.4532 | 145 | 31 | 42.1155 |
| 17 | 42 | 55 | 18.2847 | 145 | 31 | 41.0370 |

112

044112

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0086
SURVEY NAME :
VOYAGER 9 11050N 20/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000003
GRID NAME : VOYAGER 9
LOCAL 11050N 10000E
AMG 5246731N 380264E
OBS. GRAVITY: 9804581.3
BASE HEIGHT : 88.97

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000003 | 11050 | 10000 | 88.97 | 9804581.3 |
| 2 | G(V 9)000083 | 11050 | 10025 | 90.61 | 9804575.7 |
| 3 | G(V 9)000084 | 11050 | 10050 | 92.01 | 9804573.0 |
| 4 | G(V 9)000085 | 11050 | 10075 | 93.04 | 9804569.9 |
| 5 | G(V 9)000086 | 11050 | 10100 | 93.75 | 9804568.6 |
| 6 | G(V 9)000087 | 11050 | 10125 | 94.42 | 9804566.8 |
| 7 | G(V 9)000088 | 11050 | 10150 | 94.81 | 9804564.7 |
| 8 | G(V 9)000089 | 11050 | 10175 | 92.54 | 9804569.9 |
| 9 | G(V 9)000090 | 11050 | 10200 | 89.90 | 9804573.9 |
| 10 | G(V 9)000091 | 11050 | 10225 | 87.66 | 9804577.8 |
| 11 | G(V 9)000092 | 11050 | 10250 | 86.87 | 9804579.1 |
| 12 | G(V 9)000093 | 11050 | 10275 | 85.75 | 9804580.8 |
| 13 | G(V 9)000094 | 11050 | 10300 | 82.95 | 9804585.9 |
| 14 | G(V 9)000095 | 11050 | 10325 | 80.35 | 9804589.9 |
| 15 | G(V 9)000096 | 11050 | 10350 | 77.53 | 9804595.1 |
| 16 | G(V 9)000097 | 11050 | 10375 | 75.81 | 9804598.0 |
| 17 | G(V 9)000098 | 11050 | 10400 | 71.04 | 9804604.0 |
| 18 | G(V 9)000099 | 11050 | 10425 | 74.34 | 9804597.3 |
| 19 | G(V 9)000100 | 11050 | 10450 | 76.00 | 9804593.4 |
| 20 | G(V 9)000101 | 11050 | 10475 | 78.04 | 9804588.6 |
| 21 | G(V 9)000102 | 11050 | 10500 | 81.58 | 9804579.4 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON Δ-93.3 | |
|---|---|---|---|---|---|
| | | | 341.6 | | |
| 1 | 5246731 | 380264 | 339.2 | 245.9 | .1 |
| 2 | 5246727 | 380289 | 339.3 | 246.0 | .0 |
| 3 | 5246722 | 380313 | 338.3 | 244.9 | .0 |
| 4 | 5246717 | 380338 | 338.4 | 245.0 | .0 |
| 5 | 5246712 | 380362 | 337.9 | 244.6 | .0 |
| 6 | 5246707 | 380387 | 336.5 | 243.2 | .0 |
| 7 | 5246703 | 380411 | 337.1 | 243.8 | .0 |
| 8 | 5246698 | 380436 | 335.7 | 242.4 | .0 |
| 9 | 5246693 | 380460 | 335.0 | 241.7 | .0 |
| 10 | 5246688 | 380485 | 334.7 | 241.3 | .0 |
| 11 | 5246684 | 380510 | 334.1 | 240.7 | .0 |
| 12 | 5246679 | 380534 | 333.4 | 240.1 | .0 |
| 13 | 5246674 | 380559 | 332.1 | 238.8 | .0 |
| 14 | 5246669 | 380583 | 331.5 | 238.2 | .0 |
| 15 | 5246665 | 380608 | 330.9 | 237.5 | .0 |
| 16 | 5246660 | 380632 | 327.2 | 233.9 | .0 |
| 17 | 5246655 | 380657 | 327.1 | 233.8 | .0 |
| 18 | 5246650 | 380681 | 326.6 | 233.3 | .0 |
| 19 | 5246645 | 380706 | 325.9 | 232.6 | .0 |
| 20 | 5246641 | 380730 | 323.8 | 230.5 | -.0 |
| 21 | 5246636 | 380755 | | | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 20.9805 | 145 | 31 | 58.2929 |
| 2 | 42 | 55 | 21.1490 | 145 | 31 | 59.3714 |
| 3 | 42 | 55 | 21.3175 | 145 | 32 | 0.4499 |
| 4 | 42 | 55 | 21.4859 | 145 | 32 | 1.5284 |
| 5 | 42 | 55 | 21.6544 | 145 | 32 | 2.6069 |
| 6 | 42 | 55 | 21.8228 | 145 | 32 | 3.6854 |
| 7 | 42 | 55 | 21.9913 | 145 | 32 | 4.7639 |
| 8 | 42 | 55 | 22.1597 | 145 | 32 | 5.8425 |
| 9 | 42 | 55 | 22.3282 | 145 | 32 | 6.9210 |
| 10 | 42 | 55 | 22.4966 | 145 | 32 | 7.9995 |
| 11 | 42 | 55 | 22.6650 | 145 | 32 | 9.0780 |
| 12 | 42 | 55 | 22.8335 | 145 | 32 | 10.1565 |
| 13 | 42 | 55 | 23.0019 | 145 | 32 | 11.2351 |
| 14 | 42 | 55 | 23.1703 | 145 | 32 | 12.3136 |
| 15 | 42 | 55 | 23.3388 | 145 | 32 | 13.3921 |
| 16 | 42 | 55 | 23.5072 | 145 | 32 | 14.4707 |
| 17 | 42 | 55 | 23.6756 | 145 | 32 | 15.5492 |
| 18 | 42 | 55 | 23.8440 | 145 | 32 | 16.6277 |
| 19 | 42 | 55 | 24.0125 | 145 | 32 | 17.7063 |
| 20 | 42 | 55 | 24.1809 | 145 | 32 | 18.7848 |
| 21 | 42 | 55 | 24.3493 | 145 | 32 | 19.8633 |

115

044113

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0087
SURVEY NAME :
VOYAGER 9 11150N 18/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000004
GRID NAME : VOYAGER 9
LOCAL 11150N 10000E
AMG 5246829N 380283E
OBS. GRAVITY: 9804570
BASE HEIGHT : 93.47

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000004 | 11150 | 10000 | 93.47 | 9804570.0 |
| 2 | G(V 9)000103 | 11150 | 9975 | 93.78 | 9804569.3 |
| 3 | G(V 9)000104 | 11150 | 9950 | 93.73 | 9804569.9 |
| 4 | G(V 9)000105 | 11150 | 9925 | 91.80 | 9804573.8 |
| 5 | G(V 9)000106 | 11150 | 9900 | 90.56 | 9804577.9 |
| 6 | G(V 9)000107 | 11150 | 9875 | 88.05 | 9804583.6 |
| 7 | G(V 9)000108 | 11150 | 9850 | 83.30 | 9804593.7 |
| 8 | G(V 9)000109 | 11150 | 9825 | 81.02 | 9804598.8 |
| 9 | G(V 9)000110 | 11150 | 9800 | 77.20 | 9804608.3 |
| 10 | G(V 9)000111 | 11150 | 9775 | 78.53 | 9804605.6 |
| 11 | G(V 9)000112 | 11150 | 9750 | 80.64 | 9804601.7 |
| 12 | G(V 9)000113 | 11150 | 9725 | 82.47 | 9804599.3 |
| 13 | G(V 9)000114 | 11150 | 9700 | 84.80 | 9804595.3 |
| 14 | G(V 9)000115 | 11150 | 9675 | 86.51 | 9804591.7 |
| 15 | G(V 9)000116 | 11150 | 9650 | 89.45 | 9804586.3 |
| 16 | G(V 9)000117 | 11150 | 9625 | 91.91 | 9804581.7 |
| 17 | G(V 9)000118 | 11150 | 9600 | 93.52 | 9804579.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5246829 | 380283 |
| 2 | 5246834 | 380259 |
| 3 | 5246839 | 380234 |
| 4 | 5246844 | 380210 |
| 5 | 5246849 | 380185 |
| 6 | 5246853 | 380161 |
| 7 | 5246858 | 380136 |
| 8 | 5246863 | 380111 |
| 9 | 5246868 | 380087 |
| 10 | 5246872 | 380062 |
| 11 | 5246877 | 380038 |
| 12 | 5246882 | 380013 |
| 13 | 5246887 | 379989 |
| 14 | 5246892 | 379964 |
| 15 | 5246896 | 379940 |
| 16 | 5246901 | 379915 |
| 17 | 5246906 | 379891 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| 340.2 | | | |
| 340.2 | 246.8 | | .1 |
| 340.7 | 247.4 | | .1 |
| 340.7 | 247.3 | | .1 |
| 342.4 | 249.0 | | .1 |
| 343.0 | 249.6 | | .1 |
| 343.5 | 250.1 | | .1 |
| 344.0 | 250.6 | | .1 |
| 345.8 | 252.4 | | .1 |
| 345.8 | 252.4 | | .1 |
| 346.3 | 252.8 | | .1 |
| 347.6 | 254.2 | | .1 |
| 348.4 | 255.0 | | .1 |
| 348.3 | 254.9 | | .1 |
| 348.9 | 255.5 | | .1 |
| 349.3 | 255.9 | | .1 |
| 350.5 | 257.1 | | .1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 17.8101 | 145 | 31 | 59.2098 |
| 2 | 42 | 55 | 17.6416 | 145 | 31 | 58.1313 |
| 3 | 42 | 55 | 17.4731 | 145 | 31 | 57.0528 |
| 4 | 42 | 55 | 17.3047 | 145 | 31 | 55.9743 |
| 5 | 42 | 55 | 17.1362 | 145 | 31 | 54.8958 |
| 6 | 42 | 55 | 16.9677 | 145 | 31 | 53.8173 |
| 7 | 42 | 55 | 16.7992 | 145 | 31 | 52.7388 |
| 8 | 42 | 55 | 16.6308 | 145 | 31 | 51.6604 |
| 9 | 42 | 55 | 16.4623 | 145 | 31 | 50.5819 |
| 10 | 42 | 55 | 16.2938 | 145 | 31 | 49.5034 |
| 11 | 42 | 55 | 16.1253 | 145 | 31 | 48.4249 |
| 12 | 42 | 55 | 15.9568 | 145 | 31 | 47.3465 |
| 13 | 42 | 55 | 15.7883 | 145 | 31 | 46.2680 |
| 14 | 42 | 55 | 15.6198 | 145 | 31 | 45.1895 |
| 15 | 42 | 55 | 15.4513 | 145 | 31 | 44.1111 |
| 16 | 42 | 55 | 15.2828 | 145 | 31 | 43.0326 |
| 17 | 42 | 55 | 15.1143 | 145 | 31 | 41.9541 |

114

044114

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0088
SURVEY NAME :
VOYAGER 9 11150N 18/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000004
GRID NAME : VOYAGER 9
LOCAL 11150N 10000E
AMG 5246829N 380283E
OBS. GRAVITY: 9804570
BASE HEIGHT : 93.47

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000004 | 11150 | 10000 | 93.47 | 9804570.0 |
| 2 | G(V 9)000119 | 11150 | 10025 | 94.44 | 9804567.3 |
| 3 | G(V 9)000120 | 11150 | 10050 | 95.15 | 9804564.2 |
| 4 | G(V 9)000121 | 11150 | 10075 | 96.06 | 9804562.5 |
| 5 | G(V 9)000122 | 11150 | 10100 | 96.47 | 9804561.5 |
| 6 | G(V 9)000123 | 11150 | 10125 | 96.33 | 9804562.3 |
| 7 | G(V 9)000124 | 11150 | 10150 | 94.96 | 9804563.8 |
| 8 | G(V 9)000125 | 11150 | 10175 | 93.05 | 9804565.9 |
| 9 | G(V 9)000126 | 11150 | 10200 | 90.61 | 9804571.0 |
| 10 | G(V 9)000127 | 11150 | 10225 | 88.81 | 9804572.2 |
| 11 | G(V 9)000128 | 11150 | 10250 | 87.85 | 9804573.1 |
| 12 | G(V 9)000129 | 11150 | 10275 | 86.53 | 9804575.7 |
| 13 | G(V 9)000130 | 11150 | 10300 | 85.54 | 9804577.0 |
| 14 | G(V 9)000131 | 11150 | 10325 | 84.38 | 9804578.5 |
| 15 | G(V 9)000132 | 11150 | 10350 | 79.85 | 9804587.0 |
| 16 | G(V 9)000133 | 11150 | 10375 | 79.89 | 9804588.6 |
| 17 | G(V 9)000134 | 11150 | 10400 | 79.44 | 9804587.0 |
| 18 | G(V 9)000135 | 11150 | 10425 | 75.95 | 9804592.4 |
| 19 | G(V 9)000136 | 11150 | 10450 | 74.88 | 9804592.5 |
| 20 | G(V 9)000137 | 11150 | 10475 | 77.73 | 9804585.9 |
| 21 | G(V 9)000138 | 11150 | 10500 | 80.62 | 9804579.5 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON Δ-93.3 | | |
|---|---|---|---|---|---|
| | | | 340.2 | | |
| 1 | 5246829 | 380283 | 339.4 | 246.0 | .1 |
| 2 | 5246825 | 380308 | 337.7 | 244.3 | .0 |
| 3 | 5246820 | 380332 | 337.8 | 244.5 | .0 |
| 4 | 5246815 | 380357 | 337.7 | 244.3 | .0 |
| 5 | 5246810 | 380381 | 338.1 | 244.8 | .0 |
| 6 | 5246806 | 380406 | 336.7 | 243.4 | .0 |
| 7 | 5246801 | 380430 | 335.0 | 241.6 | .0 |
| 8 | 5246796 | 380455 | 335.1 | 241.7 | .0 |
| 9 | 5246791 | 380480 | 332.6 | 239.2 | .0 |
| 10 | 5246787 | 380504 | 331.5 | 238.2 | .0 |
| 11 | 5246782 | 380529 | 331.3 | 238.0 | .0 |
| 12 | 5246777 | 380553 | 330.6 | 237.3 | .0 |
| 13 | 5246772 | 380578 | 329.7 | 236.3 | .0 |
| 14 | 5246767 | 380602 | 328.9 | 235.6 | .0 |
| 15 | 5246763 | 380627 | 330.6 | 237.3 | .0 |
| 16 | 5246758 | 380651 | 328.0 | 234.7 | .0 |
| 17 | 5246753 | 380676 | 326.3 | 232.9 | .0 |
| 18 | 5246748 | 380700 | 324.2 | 230.9 | .0 |
| 19 | 5246744 | 380725 | 323.3 | 230.0 | .0 |
| 20 | 5246739 | 380750 | 322.8 | 229.5 | .0 |
| 21 | 5246734 | 380774 | | | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 17.8101 | 145 | 31 | 59.2098 |
| 2 | 42 | 55 | 17.9785 | 145 | 32 | 0.2883 |
| 3 | 42 | 55 | 18.1470 | 145 | 32 | 1.3668 |
| 4 | 42 | 55 | 18.3154 | 145 | 32 | 2.4452 |
| 5 | 42 | 55 | 18.4839 | 145 | 32 | 3.5237 |
| 6 | 42 | 55 | 18.6523 | 145 | 32 | 4.6022 |
| 7 | 42 | 55 | 18.8208 | 145 | 32 | 5.6808 |
| 8 | 42 | 55 | 18.9892 | 145 | 32 | 6.7593 |
| 9 | 42 | 55 | 19.1577 | 145 | 32 | 7.8378 |
| 10 | 42 | 55 | 19.3261 | 145 | 32 | 8.9163 |
| 11 | 42 | 55 | 19.4945 | 145 | 32 | 9.9948 |
| 12 | 42 | 55 | 19.6630 | 145 | 32 | 11.0733 |
| 13 | 42 | 55 | 19.8314 | 145 | 32 | 12.1518 |
| 14 | 42 | 55 | 19.9998 | 145 | 32 | 13.2303 |
| 15 | 42 | 55 | 20.1683 | 145 | 32 | 14.3088 |
| 16 | 42 | 55 | 20.3367 | 145 | 32 | 15.3873 |
| 17 | 42 | 55 | 20.5051 | 145 | 32 | 16.4659 |
| 18 | 42 | 55 | 20.6735 | 145 | 32 | 17.5444 |
| 19 | 42 | 55 | 20.8419 | 145 | 32 | 18.6229 |
| 20 | 42 | 55 | 21.0103 | 145 | 32 | 19.7014 |
| 21 | 42 | 55 | 21.1788 | 145 | 32 | 20.7799 |

115

044115

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0089
SURVEY NAME :
VOYAGER 9 11250N 18/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000005
GRID NAME : VOYAGER 9
LOCAL 11250N 10000E
AMG 5246928N 380302E
OBS. GRAVITY: 9804558.4
BASE HEIGHT : 98.92

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000005 | 11250 | 10000 | 98.92 | 9804558.4 |
| 2 | G(V 9)000139 | 11250 | 9975 | 98.05 | 9804560.4 |
| 3 | G(V 9)000140 | 11250 | 9950 | 97.38 | 9804562.6 |
| 4 | G(V 9)000141 | 11250 | 9925 | 94.61 | 9804568.3 |
| 5 | G(V 9)000142 | 11250 | 9900 | 91.97 | 9804574.6 |
| 6 | G(V 9)000143 | 11250 | 9875 | 90.09 | 9804578.6 |
| 7 | G(V 9)000144 | 11250 | 9850 | 89.17 | 9804581.5 |
| 8 | G(V 9)000145 | 11250 | 9825 | 86.17 | 9804588.2 |
| 9 | G(V 9)000146 | 11250 | 9800 | 81.07 | 9804599.5 |
| 10 | G(V 9)000147 | 11250 | 9775 | 80.42 | 9804600.9 |
| 11 | G(V 9)000148 | 11250 | 9750 | 81.42 | 9804599.0 |
| 12 | G(V 9)000149 | 11250 | 9725 | 84.05 | 9804594.1 |
| 13 | G(V 9)000150 | 11250 | 9700 | 87.34 | 9804588.8 |
| 14 | G(V 9)000151 | 11250 | 9675 | 89.12 | 9804585.6 |
| 15 | G(V 9)000152 | 11250 | 9650 | 90.71 | 9804582.8 |
| 16 | G(V 9)000153 | 11250 | 9625 | 93.69 | 9804576.7 |
| 17 | G(V 9)000154 | 11250 | 9600 | 97.23 | 9804570.2 |

| | AMG N | E |
|---|---|---|
| 1 | 5246928 | 380302 |
| 2 | 5246932 | 380278 |
| 3 | 5246937 | 380253 |
| 4 | 5246942 | 380229 |
| 5 | 5246947 | 380204 |
| 6 | 5246952 | 380180 |
| 7 | 5246956 | 380155 |
| 8 | 5246961 | 380131 |
| 9 | 5246966 | 380106 |
| 10 | 5246971 | 380081 |
| 11 | 5246975 | 380057 |
| 12 | 5246980 | 380032 |
| 13 | 5246985 | 380008 |
| 14 | 5246990 | 379983 |
| 15 | 5246994 | 379959 |
| 16 | 5246999 | 379934 |
| 17 | 5247004 | 379910 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| 340.4 | | | |
| 340.7 | 247.4 | | .0 |
| 341.6 | 248.3 | | .0 |
| 341.7 | 248.4 | | .0 |
| 342.7 | 249.3 | | .0 |
| 342.9 | 249.6 | | .0 |
| 344.0 | 250.6 | | .0 |
| 344.6 | 251.3 | | .0 |
| 345.7 | 252.3 | | .0 |
| 345.8 | 252.4 | | .1 |
| 345.9 | 252.6 | | .1 |
| 346.4 | 253.0 | | .1 |
| 347.8 | 254.4 | | .1 |
| 348.3 | 254.9 | | .1 |
| 348.8 | 255.4 | | .1 |
| 348.8 | 255.4 | | .1 |
| 349.5 | 256.1 | | .1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 14.6396 | 145 | 32 | 0.1266 |
| 2 | 42 | 55 | 14.4711 | 145 | 31 | 59.0482 |
| 3 | 42 | 55 | 14.3027 | 145 | 31 | 57.9697 |
| 4 | 42 | 55 | 14.1342 | 145 | 31 | 56.8912 |
| 5 | 42 | 55 | 13.9657 | 145 | 31 | 55.8127 |
| 6 | 42 | 55 | 13.7972 | 145 | 31 | 54.7343 |
| 7 | 42 | 55 | 13.6288 | 145 | 31 | 53.6558 |
| 8 | 42 | 55 | 13.4603 | 145 | 31 | 52.5773 |
| 9 | 42 | 55 | 13.2918 | 145 | 31 | 51.4989 |
| 10 | 42 | 55 | 13.1233 | 145 | 31 | 50.4204 |
| 11 | 42 | 55 | 12.9548 | 145 | 31 | 49.3420 |
| 12 | 42 | 55 | 12.7864 | 145 | 31 | 48.2635 |
| 13 | 42 | 55 | 12.6179 | 145 | 31 | 47.1850 |
| 14 | 42 | 55 | 12.4494 | 145 | 31 | 46.1066 |
| 15 | 42 | 55 | 12.2809 | 145 | 31 | 45.0281 |
| 16 | 42 | 55 | 12.1124 | 145 | 31 | 43.9497 |
| 17 | 42 | 55 | 11.9439 | 145 | 31 | 42.8712 |

113

044116

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0090
SURVEY NAME :
VOYAGER 9 11250N 18/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000005
GRID NAME : VOYAGER 9
LOCAL 11250N 10000E
AMG 5246928N 380302E
OBS. GRAVITY: 9804558.4
BASE HEIGHT : 98.92

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000005 | 11250 | 10000 | 98.92 | 9804558.4 |
| 2 | G(V 9)000155 | 11250 | 10025 | 99.45 | 9804556.2 |
| 3 | G(V 9)000156 | 11250 | 10050 | 100.91 | 9804552.7 |
| 4 | G(V 9)000157 | 11250 | 10075 | 101.67 | 9804550.5 |
| 5 | G(V 9)000158 | 11250 | 10100 | 100.83 | 9804551.0 |
| 6 | G(V 9)000159 | 11250 | 10125 | 98.13 | 9804556.6 |
| 7 | G(V 9)000160 | 11250 | 10150 | 96.95 | 9804558.5 |
| 8 | G(V 9)000161 | 11250 | 10175 | 96.31 | 9804560.0 |
| 9 | G(V 9)000162 | 11250 | 10200 | 92.63 | 9804565.7 |
| 10 | G(V 9)000163 | 11250 | 10225 | 90.54 | 9804569.2 |
| 11 | G(V 9)000164 | 11250 | 10250 | 89.79 | 9804569.7 |
| 12 | G(V 9)000165 | 11250 | 10275 | 90.44 | 9804566.7 |
| 13 | G(V 9)000166 | 11250 | 10300 | 88.94 | 9804569.4 |
| 14 | G(V 9)000167 | 11250 | 10325 | 86.03 | 9804574.5 |
| 15 | G(V 9)000168 | 11250 | 10350 | 85.38 | 9804574.8 |
| 16 | G(V 9)000169 | 11250 | 10375 | 82.12 | 9804580.7 |
| 17 | G(V 9)000170 | 11250 | 10400 | 80.95 | 9804583.4 |
| 18 | G(V 9)000171 | 11250 | 10425 | 78.50 | 9804586.8 |
| 19 | G(V 9)000172 | 11250 | 10450 | 75.05 | 9804592.2 |
| 20 | G(V 9)000173 | 11250 | 10475 | 75.16 | 9804590.3 |
| 21 | G(V 9)000174 | 11250 | 10500 | 78.21 | 9804584.6 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON Δ-93.3 | |
|---|---|---|---|---|---|
| 1 | 5246928 | 380302 | 340.4 | | |
| 2 | 5246923 | 380327 | 339.3 | 246.0 | .0 |
| 3 | 5246918 | 380351 | 338.7 | 245.4 | -.0 |
| 4 | 5246913 | 380376 | 338.0 | 244.7 | -.0 |
| 5 | 5246909 | 380400 | 336.8 | 243.5 | -.0 |
| 6 | 5246904 | 380425 | 336.9 | 243.6 | -.0 |
| 7 | 5246899 | 380450 | 336.2 | 243.0 | -.0 |
| 8 | 5246894 | 380474 | 336.4 | 243.2 | -.0 |
| 9 | 5246889 | 380499 | 334.6 | 241.3 | -.0 |
| 10 | 5246885 | 380523 | 333.9 | 240.6 | -.0 |
| 11 | 5246880 | 380548 | 332.8 | 239.5 | -.0 |
| 12 | 5246875 | 380572 | 331.1 | 237.8 | -.0 |
| 13 | 5246870 | 380597 | 330.7 | 237.4 | -.0 |
| 14 | 5246866 | 380621 | 329.8 | 236.5 | -.0 |
| 15 | 5246861 | 380646 | 328.8 | 235.5 | -.0 |
| 16 | 5246856 | 380670 | 328.0 | 234.7 | -.0 |
| 17 | 5246851 | 380695 | 328.3 | 235.1 | -.0 |
| 18 | 5246847 | 380720 | 326.6 | 233.4 | -.0 |
| 19 | 5246842 | 380744 | 325.0 | 231.7 | -.0 |
| 20 | 5246837 | 380769 | 323.3 | 230.0 | -.0 |
| 21 | 5246832 | 380793 | 323.8 | 230.5 | -.0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 14.6396 | 145 | 32 | 0.1266 |
| 2 | 42 | 55 | 14.8080 | 145 | 32 | 1.2051 |
| 3 | 42 | 55 | 14.9765 | 145 | 32 | 2.2836 |
| 4 | 42 | 55 | 15.1449 | 145 | 32 | 3.3621 |
| 5 | 42 | 55 | 15.3134 | 145 | 32 | 4.4406 |
| 6 | 42 | 55 | 15.4818 | 145 | 32 | 5.5191 |
| 7 | 42 | 55 | 15.6503 | 145 | 32 | 6.5975 |
| 8 | 42 | 55 | 15.8187 | 145 | 32 | 7.6760 |
| 9 | 42 | 55 | 15.9872 | 145 | 32 | 8.7545 |
| 10 | 42 | 55 | 16.1556 | 145 | 32 | 9.8330 |
| 11 | 42 | 55 | 16.3240 | 145 | 32 | 10.9115 |
| 12 | 42 | 55 | 16.4925 | 145 | 32 | 11.9900 |
| 13 | 42 | 55 | 16.6609 | 145 | 32 | 13.0685 |
| 14 | 42 | 55 | 16.8293 | 145 | 32 | 14.1470 |
| 15 | 42 | 55 | 16.9978 | 145 | 32 | 15.2255 |
| 16 | 42 | 55 | 17.1662 | 145 | 32 | 16.3040 |
| 17 | 42 | 55 | 17.3346 | 145 | 32 | 17.3825 |
| 18 | 42 | 55 | 17.5030 | 145 | 32 | 18.4610 |
| 19 | 42 | 55 | 17.6714 | 145 | 32 | 19.5395 |
| 20 | 42 | 55 | 17.8398 | 145 | 32 | 20.6180 |
| 21 | 42 | 55 | 18.0082 | 145 | 32 | 21.6965 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0091
SURVEY NAME :
VOYAGER 9 11350N 18/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000006
GRID NAME : VOYAGER 9
LOCAL 11350N 10000E
AMG 5247026N 380321E
OBS. GRAVITY: 9804554.3
BASE HEIGHT : 100

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |
| 2 | G(V 9)000175 | 11350 | 9975 | 99.17 | 9804556.1 |
| 3 | G(V 9)000176 | 11350 | 9950 | 96.93 | 9804560.9 |
| 4 | G(V 9)000177 | 11350 | 9925 | 95.10 | 9804565.8 |
| 5 | G(V 9)000178 | 11350 | 9900 | 92.75 | 9804571.4 |
| 6 | G(V 9)000179 | 11350 | 9875 | 92.16 | 9804572.6 |
| 7 | G(V 9)000180 | 11350 | 9850 | 92.12 | 9804574.2 |
| 8 | G(V 9)000181 | 11350 | 9825 | 87.01 | 9804584.5 |
| 9 | G(V 9)000182 | 11350 | 9800 | 85.83 | 9804588.2 |
| 10 | G(V 9)000183 | 11350 | 9775 | 89.56 | 9804579.7 |
| 11 | G(V 9)000184 | 11350 | 9750 | 86.43 | 9804587.5 |
| 12 | G(V 9)000185 | 11350 | 9725 | 84.58 | 9804591.8 |
| 13 | G(V 9)000186 | 11350 | 9700 | 86.45 | 9804588.6 |
| 14 | G(V 9)000187 | 11350 | 9675 | 88.75 | 9804584.7 |
| 15 | G(V 9)000188 | 11350 | 9650 | 91.40 | 9804579.6 |
| 16 | G(V 9)000189 | 11350 | 9625 | 93.95 | 9804576.0 |
| 17 | G(V 9)000190 | 11350 | 9600 | 95.91 | 9804571.7 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON A-93.3 | | |
|---|---|---|---|---|---|
| 1 | 5247026 | 380321 | 339.3 | | |
| 2 | 5247031 | 380297 | 339.5 | 246.2 | -.0 |
| 3 | 5247035 | 380272 | 339.8 | 246.5 | -.0 |
| 4 | 5247040 | 380248 | 341.0 | 247.7 | -.0 |
| 5 | 5247045 | 380223 | 341.8 | 248.6 | -.0 |
| 6 | 5247050 | 380199 | 341.9 | 248.6 | -.0 |
| 7 | 5247054 | 380174 | 343.5 | 250.2 | -.0 |
| 8 | 5247059 | 380150 | 343.4 | 250.1 | -.0 |
| 9 | 5247064 | 380125 | 344.8 | 251.5 | .0 |
| 10 | 5247069 | 380101 | 343.9 | 250.6 | .0 |
| 11 | 5247074 | 380076 | 345.4 | 252.1 | .0 |
| 12 | 5247078 | 380051 | 346.0 | 252.7 | .0 |
| 13 | 5247083 | 380027 | 346.6 | 253.3 | .0 |
| 14 | 5247088 | 380002 | 347.4 | 254.1 | .0 |
| 15 | 5247093 | 379978 | 347.7 | 254.4 | .0 |
| 16 | 5247097 | 379953 | 349.4 | 256.0 | .0 |
| 17 | 5247102 | 379929 | 349.1 | 255.8 | .0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |
| 2 | 42 | 55 | 11.3006 | 145 | 31 | 59.9650 |
| 3 | 42 | 55 | 11.1322 | 145 | 31 | 58.8866 |
| 4 | 42 | 55 | 10.9637 | 145 | 31 | 57.8081 |
| 5 | 42 | 55 | 10.7952 | 145 | 31 | 56.7297 |
| 6 | 42 | 55 | 10.6268 | 145 | 31 | 55.6512 |
| 7 | 42 | 55 | 10.4583 | 145 | 31 | 54.5727 |
| 8 | 42 | 55 | 10.2898 | 145 | 31 | 53.4943 |
| 9 | 42 | 55 | 10.1214 | 145 | 31 | 52.4158 |
| 10 | 42 | 55 | 9.9529 | 145 | 31 | 51.3374 |
| 11 | 42 | 55 | 9.7844 | 145 | 31 | 50.2589 |
| 12 | 42 | 55 | 9.6159 | 145 | 31 | 49.1805 |
| 13 | 42 | 55 | 9.4474 | 145 | 31 | 48.1021 |
| 14 | 42 | 55 | 9.2789 | 145 | 31 | 47.0236 |
| 15 | 42 | 55 | 9.1104 | 145 | 31 | 45.9452 |
| 16 | 42 | 55 | 8.9419 | 145 | 31 | 44.8667 |
| 17 | 42 | 55 | 8.7734 | 145 | 31 | 43.7883 |

```
*******************************
*    GEOPEKO GRAVITY SURVEY   *
*******************************

FILE          : TG0092
SURVEY NAME :
VOYAGER 9 11350N 18/11/81

GRAV. METER  : W592
SCALE FACTOR:  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000006
GRID NAME     :          VOYAGER 9
LOCAL      11350N      10000E
AMG     5247026N     380321E
OBS. GRAVITY:   9804554.3
BASE HEIGHT :   100
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |
| 2 | G(V 9)000191 | 11350 | 10025 | 100.88 | 9804551.4 |
| 3 | G(V 9)000192 | 11350 | 10050 | 101.81 | 9804546.0 |
| 4 | G(V 9)000193 | 11350 | 10075 | 102.81 | 9804543.3 |
| 5 | G(V 9)000194 | 11350 | 10100 | 104.40 | 9804547.0 |
| 6 | G(V 9)000195 | 11350 | 10125 | 101.65 | 9804551.9 |
| 7 | G(V 9)000196 | 11350 | 10150 | 99.56 | 9804555.4 |
| 8 | G(V 9)000197 | 11350 | 10175 | 97.53 | 9804557.1 |
| 9 | G(V 9)000198 | 11350 | 10200 | 96.07 | 9804559.3 |
| 10 | G(V 9)000199 | 11350 | 10225 | 94.38 | 9804559.7 |
| 11 | G(V 9)000200 | 11350 | 10250 | 93.62 | 9804560.4 |
| 12 | G(V 9)000201 | 11350 | 10275 | 92.98 | 9804564.0 |
| 13 | G(V 9)000202 | 11350 | 10300 | 90.49 | 9804566.5 |
| 14 | G(V 9)000203 | 11350 | 10325 | 88.62 | 9804570.8 |
| 15 | G(V 9)000204 | 11350 | 10350 | 85.91 | 9804573.9 |
| 16 | G(V 9)000205 | 11350 | 10375 | 83.95 | 9804573.9 |
| 17 | G(V 9)000206 | 11350 | 10400 | 81.44 | 9804579.6 |
| 18 | G(V 9)000207 | 11350 | 10425 | 80.07 | 9804581.1 |
| 19 | G(V 9)000208 | 11350 | 10450 | 77.36 | 9804585.2 |
| 20 | G(V 9)000209 | 11350 | 10475 | 77.02 | 9804585.6 |
| 21 | G(V 9)000210 | 11350 | 10500 | 77.02 | 9804582.5 |

| | AMG N | E |
|---|---|---|
| 1 | 5247026 | 380321 |
| 2 | 5247021 | 380346 |
| 3 | 5247016 | 380370 |
| 4 | 5247012 | 380395 |
| 5 | 5247007 | 380420 |
| 6 | 5247002 | 380444 |
| 7 | 5246997 | 380469 |
| 8 | 5246992 | 380493 |
| 9 | 5246988 | 380518 |
| 10 | 5246983 | 380542 |
| 11 | 5246978 | 380567 |
| 12 | 5246973 | 380591 |
| 13 | 5246969 | 380616 |
| 14 | 5246964 | 380640 |
| 15 | 5246959 | 380665 |
| 16 | 5246954 | 380690 |
| 17 | 5246949 | 380714 |
| 18 | 5246945 | 380739 |
| 19 | 5246940 | 380763 |
| 20 | 5246935 | 380788 |
| 21 | 5246930 | 380812 |

BOUGUER GRAVITY

| 2.52 | SUMPTON A-93.3 | |
|---|---|---|
| 339.3 | | |
| 338.2 | 244.9 | -.0 |
| 334.7 | 241.4 | -.0 |
| 333.9 | 240.7 | -.1 |
| 340.8 | 247.5 | -.1 |
| 340.1 | 246.8 | -.1 |
| 339.3 | 246.1 | -.1 |
| 336.9 | 243.6 | -.1 |
| 336.0 | 242.7 | -.1 |
| 333.0 | 239.7 | -.1 |
| 332.0 | 238.8 | -.1 |
| 334.3 | 241.0 | -.1 |
| 331.7 | 238.5 | -.1 |
| 332.1 | 238.9 | -.1 |
| 329.8 | 236.5 | -.1 |
| 325.7 | 232.5 | -.1 |
| 326.3 | 233.1 | -.1 |
| 325.0 | 231.7 | -.1 |
| 323.5 | 230.3 | -.1 |
| 323.2 | 229.9 | -.1 |
| 320.0 | 226.8 | -.1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |
| 2 | 42 | 55 | 11.6376 | 145 | 32 | 2.1220 |
| 3 | 42 | 55 | 11.8060 | 145 | 32 | 3.2004 |
| 4 | 42 | 55 | 11.9745 | 145 | 32 | 4.2789 |
| 5 | 42 | 55 | 12.1429 | 145 | 32 | 5.3574 |
| 6 | 42 | 55 | 12.3114 | 145 | 32 | 6.4358 |
| 7 | 42 | 55 | 12.4798 | 145 | 32 | 7.5143 |
| 8 | 42 | 55 | 12.6482 | 145 | 32 | 8.5928 |
| 9 | 42 | 55 | 12.8167 | 145 | 32 | 9.6712 |
| 10 | 42 | 55 | 12.9851 | 145 | 32 | 10.7497 |
| 11 | 42 | 55 | 13.1535 | 145 | 32 | 11.8282 |
| 12 | 42 | 55 | 13.3220 | 145 | 32 | 12.9067 |
| 13 | 42 | 55 | 13.4904 | 145 | 32 | 13.9852 |
| 14 | 42 | 55 | 13.6588 | 145 | 32 | 15.0637 |
| 15 | 42 | 55 | 13.8272 | 145 | 32 | 16.1421 |
| 16 | 42 | 55 | 13.9957 | 145 | 32 | 17.2206 |
| 17 | 42 | 55 | 14.1641 | 145 | 32 | 18.2991 |
| 18 | 42 | 55 | 14.3325 | 145 | 32 | 19.3776 |
| 19 | 42 | 55 | 14.5009 | 145 | 32 | 20.4561 |
| 20 | 42 | 55 | 14.6693 | 145 | 32 | 21.5346 |
| 21 | 42 | 55 | 14.8377 | 145 | 32 | 22.6131 |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0093
SURVEY NAME :
VOYAGER 9 11350N 23/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000006
GRID NAME : VOYAGER 9
LOCAL 11350N 10000E
AMG 5247026N 380321E
OBS. GRAVITY: 9804554.3
BASE HEIGHT : 100

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |
| 2 | G(V 9)000175 | 11350 | 9975 | 99.17 | 9804556.5 |
| 3 | G(V 9)000176 | 11350 | 9950 | 96.93 | 9804561.2 |
| 4 | G(V 9)000177 | 11350 | 9925 | 95.10 | 9804566.2 |
| 5 | G(V 9)000178 | 11350 | 9900 | 92.75 | 9804571.2 |
| 6 | G(V 9)000179 | 11350 | 9875 | 92.16 | 9804572.6 |
| 7 | G(V 9)000180 | 11350 | 9850 | 92.13 | 9804573.9 |
| 8 | G(V 9)000181 | 11350 | 9825 | 87.01 | 9804584.5 |
| 9 | G(V 9)000182 | 11350 | 9800 | 85.83 | 9804587.7 |
| 10 | G(V 9)000183 | 11350 | 9775 | 89.56 | 9804580.4 |
| 11 | G(V 9)000184 | 11350 | 9750 | 86.44 | 9804587.4 |
| 12 | G(V 9)000185 | 11350 | 9725 | 84.58 | 9804592.2 |
| 13 | G(V 9)000186 | 11350 | 9700 | 86.45 | 9804589.6 |
| 14 | G(V 9)000187 | 11350 | 9675 | 88.75 | 9804585.5 |
| 15 | G(V 9)000188 | 11350 | 9650 | 91.40 | 9804580.3 |

| | AMG N | E |
|---|---|---|
| 1 | 5247026 | 380321 |
| 2 | 5247031 | 380297 |
| 3 | 5247035 | 380272 |
| 4 | 5247040 | 380248 |
| 5 | 5247045 | 380223 |
| 6 | 5247050 | 380199 |
| 7 | 5247054 | 380174 |
| 8 | 5247059 | 380150 |
| 9 | 5247064 | 380125 |
| 10 | 5247069 | 380101 |
| 11 | 5247074 | 380076 |
| 12 | 5247078 | 380051 |
| 13 | 5247083 | 380027 |
| 14 | 5247088 | 380002 |
| 15 | 5247093 | 379978 |

| BOUGUER GRAVITY 2.52 | SUMPTON A-93.3 | |
|---|---|---|
| 339.3 | | |
| 339.9 | 246.6 | -.0 |
| 340.0 | 246.8 | -.0 |
| 341.4 | 248.1 | -.0 |
| 341.6 | 248.4 | -.0 |
| 341.9 | 248.6 | -.0 |
| 343.2 | 250.0 | -.0 |
| 343.4 | 250.1 | -.0 |
| 344.3 | 251.0 | .0 |
| 344.6 | 251.3 | .0 |
| 345.3 | 252.0 | .0 |
| 346.3 | 253.0 | .0 |
| 347.6 | 254.3 | .0 |
| 348.3 | 255.0 | .0 |
| 348.5 | 255.1 | .0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |
| 2 | 42 | 55 | 11.3006 | 145 | 31 | 59.9650 |
| 3 | 42 | 55 | 11.1322 | 145 | 31 | 58.8866 |
| 4 | 42 | 55 | 10.9637 | 145 | 31 | 57.8081 |
| 5 | 42 | 55 | 10.7952 | 145 | 31 | 56.7297 |
| 6 | 42 | 55 | 10.6268 | 145 | 31 | 55.6512 |
| 7 | 42 | 55 | 10.4583 | 145 | 31 | 54.5727 |
| 8 | 42 | 55 | 10.2898 | 145 | 31 | 53.4943 |
| 9 | 42 | 55 | 10.1214 | 145 | 31 | 52.4158 |
| 10 | 42 | 55 | 9.9529 | 145 | 31 | 51.3374 |
| 11 | 42 | 55 | 9.7844 | 145 | 31 | 50.2589 |
| 12 | 42 | 55 | 9.6159 | 145 | 31 | 49.1805 |
| 13 | 42 | 55 | 9.4474 | 145 | 31 | 48.1021 |
| 14 | 42 | 55 | 9.2789 | 145 | 31 | 47.0236 |
| 15 | 42 | 55 | 9.1104 | 145 | 31 | 45.9452 |

120

044120

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0094
SURVEY NAME :
VOYAGER 9 11350N 23/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000006
GRID NAME : VOYAGER 9
LOCAL 11350N 10000E
AMG 5247026N 380321E
OBS. GRAVITY: 9804554.3
BASE HEIGHT : 100

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |
| 2 | G(V 9)000191 | 11350 | 10025 | 100.88 | 9804551.9 |
| 3 | G(V 9)000192 | 11350 | 10050 | 101.81 | 9804550.0 |
| 4 | G(V 9)000193 | 11350 | 10075 | 102.81 | 9804547.0 |
| 5 | G(V 9)000194 | 11350 | 10100 | 104.46 | 9804543.3 |
| 6 | G(V 9)000195 | 11350 | 10125 | 101.65 | 9804548.7 |
| 7 | G(V 9)000196 | 11350 | 10150 | 99.56 | 9804552.6 |
| 8 | G(V 9)000197 | 11350 | 10175 | 97.53 | 9804556.1 |
| 9 | G(V 9)000198 | 11350 | 10200 | 96.07 | 9804558.2 |
| 10 | G(V 9)000199 | 11350 | 10225 | 94.38 | 9804561.0 |
| 11 | G(V 9)000200 | 11350 | 10250 | 93.62 | 9804560.8 |
| 12 | G(V 9)000201 | 11350 | 10275 | 92.98 | 9804560.9 |
| 13 | G(V 9)000202 | 11350 | 10300 | 90.49 | 9804564.6 |
| 14 | G(V 9)000203 | 11350 | 10325 | 88.62 | 9804567.0 |
| 15 | G(V 9)000204 | 11350 | 10350 | 85.91 | 9804571.5 |
| 16 | G(V 9)000205 | 11350 | 10375 | 83.95 | 9804574.4 |
| 17 | G(V 9)000206 | 11350 | 10400 | 81.44 | 9804580.1 |
| 18 | G(V 9)000207 | 11350 | 10425 | 80.07 | 9804581.0 |
| 19 | G(V 9)000208 | 11350 | 10450 | 77.36 | 9804585.5 |
| 20 | G(V 9)000209 | 11350 | 10475 | 77.02 | 9804585.5 |
| 21 | G(V 9)000210 | 11350 | 10500 | 77.27 | 9804584.5 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON Δ-93.3 | |
|---|---|---|---|---|---|
| 1 | 5247026 | 380321 | 339.3 | | |
| 2 | 5247021 | 380346 | 338.7 | 245.5 | -.0 |
| 3 | 5247016 | 380370 | 338.6 | 245.4 | -.0 |
| 4 | 5247012 | 380395 | 337.6 | 244.4 | -.1 |
| 5 | 5247007 | 380420 | 337.2 | 244.0 | -.1 |
| 6 | 5247002 | 380444 | 336.9 | 243.6 | -.1 |
| 7 | 5246997 | 380469 | 336.5 | 243.2 | -.1 |
| 8 | 5246992 | 380493 | 335.8 | 242.6 | -.1 |
| 9 | 5246988 | 380518 | 334.9 | 241.6 | -.1 |
| 10 | 5246983 | 380542 | 334.2 | 241.0 | -.1 |
| 11 | 5246978 | 380567 | 332.5 | 239.3 | -.1 |
| 12 | 5246973 | 380591 | 331.2 | 238.0 | -.1 |
| 13 | 5246969 | 380616 | 329.8 | 236.5 | -.1 |
| 14 | 5246964 | 380640 | 328.4 | 235.2 | -.1 |
| 15 | 5246959 | 380665 | 327.3 | 234.1 | -.1 |
| 16 | 5246954 | 380690 | 326.2 | 233.0 | -.1 |
| 17 | 5246949 | 380714 | 326.7 | 233.5 | -.1 |
| 18 | 5246945 | 380739 | 324.8 | 231.6 | -.1 |
| 19 | 5246940 | 380763 | 323.8 | 230.6 | -.1 |
| 20 | 5246935 | 380788 | 323.1 | 229.8 | -.1 |
| 21 | 5246930 | 380812 | 322.5 | 229.3 | -.1 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |
| 2 | 42 | 55 | 11.6376 | 145 | 32 | 2.1220 |
| 3 | 42 | 55 | 11.8060 | 145 | 32 | 3.2004 |
| 4 | 42 | 55 | 11.9745 | 145 | 32 | 4.2789 |
| 5 | 42 | 55 | 12.1429 | 145 | 32 | 5.3574 |
| 6 | 42 | 55 | 12.3114 | 145 | 32 | 6.4358 |
| 7 | 42 | 55 | 12.4798 | 145 | 32 | 7.5143 |
| 8 | 42 | 55 | 12.6482 | 145 | 32 | 8.5928 |
| 9 | 42 | 55 | 12.8167 | 145 | 32 | 9.6712 |
| 10 | 42 | 55 | 12.9851 | 145 | 32 | 10.7497 |
| 11 | 42 | 55 | 13.1535 | 145 | 32 | 11.8282 |
| 12 | 42 | 55 | 13.3220 | 145 | 32 | 12.9067 |
| 13 | 42 | 55 | 13.4904 | 145 | 32 | 13.9852 |
| 14 | 42 | 55 | 13.6588 | 145 | 32 | 15.0637 |
| 15 | 42 | 55 | 13.8272 | 145 | 32 | 16.1421 |
| 16 | 42 | 55 | 13.9957 | 145 | 32 | 17.2206 |
| 17 | 42 | 55 | 14.1641 | 145 | 32 | 18.2991 |
| 18 | 42 | 55 | 14.3325 | 145 | 32 | 19.3776 |
| 19 | 42 | 55 | 14.5009 | 145 | 32 | 20.4561 |
| 20 | 42 | 55 | 14.6693 | 145 | 32 | 21.5346 |
| 21 | 42 | 55 | 14.8377 | 145 | 32 | 22.6131 |

121

044121

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0095
SURVEY NAME :
VOYAGER 9 11450N 23/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000006
GRID NAME : VOYAGER 9
LOCAL 11350N 10000E
AMG 5247026N 380321E
OBS. GRAVITY: 9804554.3
BASE HEIGHT : 100

| | STATION NAME | LOCAL N | GRID E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000006 | 11350 | 10000 | 100.00 | 9804554.3 |
| 2 | G(V 9)000211 | 11450 | 10500 | 83.99 | 9804568.6 |
| 3 | G(V 9)000212 | 11450 | 10475 | 81.18 | 9804574.2 |
| 4 | G(V 9)000213 | 11450 | 10450 | 80.91 | 9804575.7 |
| 5 | G(V 9)000214 | 11450 | 10425 | 79.92 | 9804577.5 |
| 6 | G(V 9)000215 | 11450 | 10400 | 81.64 | 9804575.2 |
| 7 | G(V 9)000216 | 11450 | 10375 | 91.23 | 9804556.2 |
| 8 | G(V 9)000217 | 11450 | 10350 | 96.17 | 9804548.7 |
| 9 | G(V 9)000218 | 11450 | 10325 | 98.08 | 9804546.6 |
| 10 | G(V 9)000219 | 11450 | 10300 | 97.83 | 9804547.7 |
| 11 | G(V 9)000220 | 11450 | 10275 | 97.81 | 9804548.8 |
| 12 | G(V 9)000221 | 11450 | 10250 | 97.33 | 9804550.6 |
| 13 | G(V 9)000222 | 11450 | 10225 | 96.72 | 9804552.8 |
| 14 | G(V 9)000223 | 11450 | 10200 | 96.13 | 9804554.8 |
| 15 | G(V 9)000224 | 11450 | 10175 | 95.75 | 9804556.0 |
| 16 | G(V 9)000225 | 11450 | 10150 | 97.12 | 9804554.6 |
| 17 | G(V 9)000226 | 11450 | 10125 | 99.82 | 9804549.2 |
| 18 | G(V 9)000227 | 11450 | 10100 | 100.65 | 9804548.2 |
| 19 | G(V 9)000228 | 11450 | 10075 | 101.51 | 9804547.6 |
| 20 | G(V 9)000229 | 11450 | 10050 | 100.72 | 9804550.1 |
| 21 | G(V 9)000230 | 11450 | 10025 | 101.29 | 9804550.0 |
| 22 | G(V 9)000008 | 11450 | 10000 | 100.55 | 9804551.2 |

| | AMG N | AMG E |
|---|---|---|
| 1 | 5247026 | 380321 |
| 2 | 5247029 | 380831 |
| 3 | 5247033 | 380807 |
| 4 | 5247038 | 380782 |
| 5 | 5247043 | 380758 |
| 6 | 5247048 | 380733 |
| 7 | 5247052 | 380709 |
| 8 | 5247057 | 380684 |
| 9 | 5247062 | 380660 |
| 10 | 5247067 | 380635 |
| 11 | 5247072 | 380610 |
| 12 | 5247076 | 380586 |
| 13 | 5247081 | 380561 |
| 14 | 5247086 | 380537 |
| 15 | 5247091 | 380512 |
| 16 | 5247095 | 380488 |
| 17 | 5247100 | 380463 |
| 18 | 5247105 | 380439 |
| 19 | 5247110 | 380414 |
| 20 | 5247114 | 380390 |
| 21 | 5247119 | 380365 |
| 22 | 5247124 | 380340 |

BOUGUER GRAVITY
2.52 SUMPTON A-93.3

| | | | |
|---|---|---|---|
| 339.3 | | | |
| 321.1 | 227.9 | | -.1 |
| 321.0 | 227.7 | | -.1 |
| 322.0 | 228.8 | | -.1 |
| 321.8 | 228.6 | | -.1 |
| 323.0 | 229.8 | | -.1 |
| 323.5 | 230.3 | | -.1 |
| 326.1 | 232.9 | | -.1 |
| 328.0 | 234.7 | | -.1 |
| 328.6 | 235.4 | | -.1 |
| 329.7 | 236.5 | | -.1 |
| 330.5 | 237.3 | | -.1 |
| 331.6 | 238.3 | | -.1 |
| 332.4 | 239.2 | | -.1 |
| 332.9 | 239.7 | | -.1 |
| 334.3 | 241.1 | | -.1 |
| 334.4 | 241.2 | | -.1 |
| 335.2 | 242.0 | | -.1 |
| 336.4 | 243.1 | | -.1 |
| 337.2 | 244.0 | | -.0 |
| 338.3 | 245.1 | | -.0 |
| 338.1 | 244.8 | | -.0 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 11.4691 | 145 | 32 | 1.0435 |
| 2 | 42 | 55 | 11.6672 | 145 | 32 | 23.5296 |
| 3 | 42 | 55 | 11.4988 | 145 | 32 | 22.4511 |
| 4 | 42 | 55 | 11.3304 | 145 | 32 | 21.3727 |
| 5 | 42 | 55 | 11.1620 | 145 | 32 | 20.2942 |
| 6 | 42 | 55 | 10.9935 | 145 | 32 | 19.2157 |
| 7 | 42 | 55 | 10.8251 | 145 | 32 | 18.1372 |
| 8 | 42 | 55 | 10.6567 | 145 | 32 | 17.0588 |
| 9 | 42 | 55 | 10.4883 | 145 | 32 | 15.9803 |
| 10 | 42 | 55 | 10.3199 | 145 | 32 | 14.9018 |
| 11 | 42 | 55 | 10.1515 | 145 | 32 | 13.8233 |
| 12 | 42 | 55 | 9.9830 | 145 | 32 | 12.7449 |
| 13 | 42 | 55 | 9.8146 | 145 | 32 | 11.6664 |
| 14 | 42 | 55 | 9.6462 | 145 | 32 | 10.5879 |
| 15 | 42 | 55 | 9.4777 | 145 | 32 | 9.5095 |
| 16 | 42 | 55 | 9.3093 | 145 | 32 | 8.4310 |
| 17 | 42 | 55 | 9.1409 | 145 | 32 | 7.3526 |
| 18 | 42 | 55 | 8.9724 | 145 | 32 | 6.2741 |
| 19 | 42 | 55 | 8.8040 | 145 | 32 | 5.1957 |
| 20 | 42 | 55 | 8.6355 | 145 | 32 | 4.1172 |
| 21 | 42 | 55 | 8.4671 | 145 | 32 | 3.0388 |
| 22 | 42 | 55 | 8.2986 | 145 | 32 | 1.9603 |

12c

044122

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0096
SURVEY NAME :
VOYAGER 9 11450N 23/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000008
GRID NAME : VOYAGER 9
LOCAL 11450N 10000E
AMG 5247124N 380340E
OBS. GRAVITY: 9804551.2
BASE HEIGHT : 100.55

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000008 | 11450 | 10000 | 100.55 | 9804551.2 |
| 2 | G(V 9)000231 | 11450 | 9975 | 100.38 | 9804551.8 |
| 3 | G(V 9)000232 | 11450 | 9950 | 101.63 | 9804549.6 |
| 4 | G(V 9)000233 | 11450 | 9925 | 103.62 | 9804546.0 |
| 5 | G(V 9)000234 | 11450 | 9900 | 99.21 | 9804555.2 |
| 6 | G(V 9)000235 | 11450 | 9875 | 95.39 | 9804563.8 |
| 7 | G(V 9)000236 | 11450 | 9850 | 89.13 | 9804577.3 |
| 8 | G(V 9)000237 | 11450 | 9825 | 89.81 | 9804577.1 |
| 9 | G(V 9)000238 | 11450 | 9800 | 93.85 | 9804571.8 |
| 10 | G(V 9)000239 | 11450 | 9775 | 93.49 | 9804572.3 |
| 11 | G(V 9)000240 | 11450 | 9750 | 92.70 | 9804574.5 |
| 12 | G(V 9)000241 | 11450 | 9725 | 87.07 | 9804585.0 |
| 13 | G(V 9)000242 | 11450 | 9700 | 88.23 | 9804584.6 |
| 14 | G(V 9)000243 | 11450 | 9675 | 89.89 | 9804582.1 |
| 15 | G(V 9)000244 | 11450 | 9650 | 92.96 | 9804576.8 |
| 16 | G(V 9)000245 | 11450 | 9625 | 95.18 | 9804572.1 |
| 17 | G(V 9)000246 | 11450 | 9600 | 97.54 | 9804566.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5247124 | 380340 |
| 2 | 5247129 | 380316 |
| 3 | 5247134 | 380291 |
| 4 | 5247138 | 380267 |
| 5 | 5247143 | 380242 |
| 6 | 5247148 | 380218 |
| 7 | 5247153 | 380193 |
| 8 | 5247157 | 380169 |
| 9 | 5247162 | 380144 |
| 10 | 5247167 | 380120 |
| 11 | 5247172 | 380095 |
| 12 | 5247176 | 380071 |
| 13 | 5247181 | 380046 |
| 14 | 5247186 | 380021 |
| 15 | 5247191 | 379997 |
| 16 | 5247196 | 379972 |
| 17 | 5247200 | 379948 |

BOUGUER GRAVITY
2.52 SUMPTON A-93.3

| | | | |
|---|---|---|---|
| 338.1 | | | |
| 338.4 | 244.7 | | .3 |
| 338.8 | 245.1 | | .3 |
| 339.3 | 245.6 | | .3 |
| 339.6 | 245.9 | | .3 |
| 340.5 | 246.8 | | .4 |
| 341.3 | 247.6 | | .4 |
| 342.5 | 248.8 | | .4 |
| 345.5 | 251.8 | | .4 |
| 345.3 | 251.6 | | .4 |
| 346.0 | 252.3 | | .4 |
| 345.0 | 251.3 | | .4 |
| 347.0 | 253.3 | | .4 |
| 348.0 | 254.3 | | .4 |
| 348.9 | 255.3 | | .4 |
| 348.8 | 255.1 | | .4 |
| 348.1 | 254.4 | | .4 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 8.2986 | 145 | 32 | 1.9603 |
| 2 | 42 | 55 | 8.1302 | 145 | 32 | 0.8819 |
| 3 | 42 | 55 | 7.9617 | 145 | 31 | 59.8034 |
| 4 | 42 | 55 | 7.7932 | 145 | 31 | 58.7250 |
| 5 | 42 | 55 | 7.6248 | 145 | 31 | 57.6465 |
| 6 | 42 | 55 | 7.4563 | 145 | 31 | 56.5681 |
| 7 | 42 | 55 | 7.2878 | 145 | 31 | 55.4897 |
| 8 | 42 | 55 | 7.1194 | 145 | 31 | 54.4112 |
| 9 | 42 | 55 | 6.9509 | 145 | 31 | 53.3328 |
| 10 | 42 | 55 | 6.7824 | 145 | 31 | 52.2543 |
| 11 | 42 | 55 | 6.6139 | 145 | 31 | 51.1759 |
| 12 | 42 | 55 | 6.4454 | 145 | 31 | 50.0975 |
| 13 | 42 | 55 | 6.2770 | 145 | 31 | 49.0191 |
| 14 | 42 | 55 | 6.1085 | 145 | 31 | 47.9406 |
| 15 | 42 | 55 | 5.9400 | 145 | 31 | 46.8622 |
| 16 | 42 | 55 | 5.7715 | 145 | 31 | 45.7838 |
| 17 | 42 | 55 | 5.6030 | 145 | 31 | 44.7054 |

```
**********************************
*    GEOPEKO GRAVITY SURVEY      *
**********************************

FILE          : TG0097
SURVEY NAME :
VOYAGER 9 11550N 23/1/82

GRAV. METER : W592
SCALE FACTOR:  1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000008
GRID NAME     :          VOYAGER 9
LOCAL      11450N     10000E
AMG      5247124N    380340E
OBS. GRAVITY:  9804551.2
BASE HEIGHT :  100.55
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000008 | 11450 | 10000 | 100.55 | 9804551.2 |
| 2 | G(V 9)000247 | 11550 | 9600 | 98.59 | 9804562.7 |
| 3 | G(V 9)000248 | 11550 | 9625 | 98.82 | 9804561.9 |
| 4 | G(V 9)000249 | 11550 | 9650 | 97.59 | 9804564.9 |
| 5 | G(V 9)000250 | 11550 | 9675 | 95.25 | 9804568.2 |
| 6 | G(V 9)000251 | 11550 | 9700 | 93.33 | 9804572.7 |
| 7 | G(V 9)000252 | 11550 | 9725 | 91.58 | 9804575.2 |
| 8 | G(V 9)000253 | 11550 | 9750 | 91.07 | 9804575.7 |
| 9 | G(V 9)000254 | 11550 | 9775 | 92.43 | 9804571.1 |
| 10 | G(V 9)000255 | 11550 | 9800 | 94.71 | 9804567.4 |
| 11 | G(V 9)000256 | 11550 | 9825 | 96.32 | 9804563.2 |
| 12 | G(V 9)000257 | 11550 | 9850 | 96.35 | 9804562.6 |
| 13 | G(V 9)000258 | 11550 | 9875 | 97.73 | 9804558.0 |
| 14 | G(V 9)000259 | 11550 | 9900 | 101.18 | 9804551.0 |
| 15 | G(V 9)000260 | 11550 | 9925 | 102.40 | 9804548.3 |
| 16 | G(V 9)000261 | 11550 | 9950 | 101.22 | 9804550.1 |
| 17 | G(V 9)000262 | 11550 | 9975 | 99.46 | 9804554.2 |
| 18 | G(V 9)000010 | 11550 | 10000 | 97.25 | 9804557.6 |

| | AMG N | E |
|---|---|---|
| 1 | 5247124 | 380340 |
| 2 | 5247298 | 379967 |
| 3 | 5247294 | 379991 |
| 4 | 5247289 | 380016 |
| 5 | 5247284 | 380041 |
| 6 | 5247279 | 380065 |
| 7 | 5247275 | 380090 |
| 8 | 5247270 | 380114 |
| 9 | 5247265 | 380139 |
| 10 | 5247260 | 380163 |
| 11 | 5247256 | 380188 |
| 12 | 5247251 | 380212 |
| 13 | 5247246 | 380237 |
| 14 | 5247241 | 380261 |
| 15 | 5247236 | 380286 |
| 16 | 5247232 | 380310 |
| 17 | 5247227 | 380335 |
| 18 | 5247222 | 380360 |

| BOUGUER GRAVITY 2.52 | SUMPTON | Δ-93.3 |
|---|---|---|
| 338.1 | | |
| 347.1 | 253.4 | .4 |
| 346.7 | 253.0 | .4 |
| 347.2 | 253.6 | .4 |
| 345.7 | 252.0 | .4 |
| 346.3 | 252.6 | .4 |
| 345.1 | 251.5 | .4 |
| 344.6 | 251.0 | .4 |
| 342.7 | 249.1 | .4 |
| 343.6 | 249.9 | .4 |
| 342.7 | 249.0 | .4 |
| 342.1 | 248.4 | .4 |
| 340.2 | 246.5 | .3 |
| 340.2 | 246.6 | .3 |
| 339.9 | 246.2 | .3 |
| 339.3 | 245.6 | .3 |
| 339.8 | 246.1 | .3 |
| 338.6 | 245.0 | .3 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 8.2986 | 145 | 32 | 1.9603 |
| 2 | 42 | 55 | 2.4325 | 145 | 31 | 45.6224 |
| 3 | 42 | 55 | 2.6010 | 145 | 31 | 46.7008 |
| 4 | 42 | 55 | 2.7695 | 145 | 31 | 47.7792 |
| 5 | 42 | 55 | 2.9380 | 145 | 31 | 48.8576 |
| 6 | 42 | 55 | 3.1065 | 145 | 31 | 49.9360 |
| 7 | 42 | 55 | 3.2750 | 145 | 31 | 51.0144 |
| 8 | 42 | 55 | 3.4435 | 145 | 31 | 52.0929 |
| 9 | 42 | 55 | 3.6120 | 145 | 31 | 53.1713 |
| 10 | 42 | 55 | 3.7804 | 145 | 31 | 54.2497 |
| 11 | 42 | 55 | 3.9489 | 145 | 31 | 55.3281 |
| 12 | 42 | 55 | 4.1174 | 145 | 31 | 56.4065 |
| 13 | 42 | 55 | 4.2858 | 145 | 31 | 57.4850 |
| 14 | 42 | 55 | 4.4543 | 145 | 31 | 58.5634 |
| 15 | 42 | 55 | 4.6228 | 145 | 31 | 59.6418 |
| 16 | 42 | 55 | 4.7912 | 145 | 32 | 0.7202 |
| 17 | 42 | 55 | 4.9597 | 145 | 32 | 1.7987 |
| 18 | 42 | 55 | 5.1281 | 145 | 32 | 2.8771 |

12+

044124

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0098
SURVEY NAME :
VOYAGER 9 11550N 23/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000010
GRID NAME : VOYAGER 9
LOCAL 11550N 10000E
AMG 5247222N 380360E
OBS. GRAVITY: 9804557.2
BASE HEIGHT : 97.25

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000010 | 11550 | 10000 | 97.25 | 9804557.2 |
| 2 | G(V 9)000263 | 11550 | 10025 | 94.76 | 9804562.2 |
| 3 | G(V 9)000264 | 11550 | 10050 | 93.98 | 9804561.6 |
| 4 | G(V 9)000265 | 11550 | 10075 | 93.31 | 9804561.1 |
| 5 | G(V 9)000266 | 11550 | 10100 | 92.82 | 9804561.4 |
| 6 | G(V 9)000267 | 11550 | 10125 | 92.46 | 9804562.1 |
| 7 | G(V 9)000268 | 11550 | 10150 | 92.23 | 9804561.4 |
| 8 | G(V 9)000269 | 11550 | 10175 | 91.29 | 9804562.4 |
| 9 | G(V 9)000270 | 11550 | 10200 | 92.42 | 9804559.2 |
| 10 | G(V 9)000271 | 11550 | 10225 | 91.29 | 9804560.6 |
| 11 | G(V 9)000272 | 11550 | 10250 | 90.90 | 9804560.1 |
| 12 | G(V 9)000273 | 11550 | 10275 | 92.62 | 9804557.1 |
| 13 | G(V 9)000274 | 11550 | 10300 | 95.14 | 9804550.7 |
| 14 | G(V 9)000275 | 11550 | 10325 | 92.13 | 9804556.5 |
| 15 | G(V 9)000276 | 11550 | 10350 | 90.34 | 9804558.9 |
| 16 | G(V 9)000277 | 11550 | 10375 | 81.46 | 9804573.1 |
| 17 | G(V 9)000278 | 11550 | 10425 | 81.62 | 9804572.1 |
| 18 | G(V 9)000279 | 11550 | 10450 | 84.66 | 9804565.9 |
| 19 | G(V 9)000280 | 11550 | 10475 | 85.38 | 9804561.3 |
| 20 | G(V 9)000281 | 11550 | 10500 | 87.96 | 9804556.8 |

| | AMG N | E | BOUGUER GRAVITY 2.52 SUMPTON A-93.3 | | |
|---|---|---|---|---|---|
| | | | 338.2 | | |
| 1 | 5247222 | 380360 | 338.1 | 244.9 | -.0 |
| 2 | 5247217 | 380384 | 335.9 | 242.6 | -.0 |
| 3 | 5247213 | 380409 | 334.0 | 240.7 | -.0 |
| 4 | 5247208 | 380433 | 333.3 | 240.0 | -.0 |
| 5 | 5247203 | 380458 | 333.2 | 240.0 | -.1 |
| 6 | 5247198 | 380482 | 332.0 | 238.7 | -.1 |
| 7 | 5247194 | 380507 | 331.1 | 237.8 | -.1 |
| 8 | 5247189 | 380531 | 330.1 | 236.9 | -.1 |
| 9 | 5247184 | 380556 | 329.2 | 235.9 | -.1 |
| 10 | 5247179 | 380580 | 327.8 | 234.6 | -.1 |
| 11 | 5247174 | 380605 | 328.2 | 235.0 | -.1 |
| 12 | 5247170 | 380630 | 327.0 | 233.8 | -.1 |
| 13 | 5247165 | 380654 | 326.6 | 233.4 | -.1 |
| 14 | 5247160 | 380679 | 325.3 | 232.1 | -.1 |
| 15 | 5247155 | 380703 | 321.5 | 228.2 | -.1 |
| 16 | 5247151 | 380728 | 320.7 | 227.5 | -.1 |
| 17 | 5247141 | 380777 | 320.6 | 227.4 | -.1 |
| 18 | 5247136 | 380801 | 317.4 | 224.2 | -.1 |
| 19 | 5247132 | 380826 | 318.1 | 224.9 | -.1 |
| 20 | 5247127 | 380850 | | | |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 5.1281 | 145 | 32 | 2.8771 |
| 2 | 42 | 55 | 5.2966 | 145 | 32 | 3.9555 |
| 3 | 42 | 55 | 5.4650 | 145 | 32 | 5.0340 |
| 4 | 42 | 55 | 5.6335 | 145 | 32 | 6.1124 |
| 5 | 42 | 55 | 5.8019 | 145 | 32 | 7.1909 |
| 6 | 42 | 55 | 5.9704 | 145 | 32 | 8.2693 |
| 7 | 42 | 55 | 6.1388 | 145 | 32 | 9.3477 |
| 8 | 42 | 55 | 6.3072 | 145 | 32 | 10.4262 |
| 9 | 42 | 55 | 6.4757 | 145 | 32 | 11.5046 |
| 10 | 42 | 55 | 6.6441 | 145 | 32 | 12.5831 |
| 11 | 42 | 55 | 6.8125 | 145 | 32 | 13.6615 |
| 12 | 42 | 55 | 6.9809 | 145 | 32 | 14.7400 |
| 13 | 42 | 55 | 7.1494 | 145 | 32 | 15.8184 |
| 14 | 42 | 55 | 7.3178 | 145 | 32 | 16.8969 |
| 15 | 42 | 55 | 7.4862 | 145 | 32 | 17.9753 |
| 16 | 42 | 55 | 7.6546 | 145 | 32 | 19.0538 |
| 17 | 42 | 55 | 7.9914 | 145 | 32 | 21.2107 |
| 18 | 42 | 55 | 8.1598 | 145 | 32 | 22.2892 |
| 19 | 42 | 55 | 8.3282 | 145 | 32 | 23.3676 |
| 20 | 42 | 55 | 8.4966 | 145 | 32 | 24.4461 |

125

044125

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0099
SURVEY NAME :
VOYAGER 9 11850N 29/1/82

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE : G(V 9)000011
GRID NAME : VOYAGER 9
LOCAL 11850N 10000E
AMG 5247517N 380417E
OBS. GRAVITY: 9804542.8
BASE HEIGHT : 101

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000011 | 11850 | 10000 | 101.00 | 9804542.8 |
| 2 | G(V 9)000282 | 11850 | 9975 | 101.05 | 9804544.5 |
| 3 | G(V 9)000283 | 11850 | 9950 | 100.81 | 9804545.5 |
| 4 | G(V 9)000284 | 11850 | 9900 | 101.69 | 9804544.5 |
| 5 | G(V 9)000285 | 11850 | 9875 | 103.83 | 9804540.4 |
| 6 | G(V 9)000286 | 11850 | 9850 | 102.99 | 9804543.4 |
| 7 | G(V 9)000287 | 11850 | 9825 | 103.17 | 9804542.7 |
| 8 | G(V 9)000288 | 11850 | 9775 | 102.56 | 9804545.5 |
| 9 | G(V 9)000289 | 11850 | 9750 | 102.26 | 9804546.5 |
| 10 | G(V 9)000290 | 11850 | 9725 | 102.74 | 9804545.6 |
| 11 | G(V 9)000291 | 11850 | 9700 | 103.44 | 9804543.8 |
| 12 | G(V 9)000292 | 11850 | 9650 | 104.56 | 9804542.6 |
| 13 | G(V 9)000293 | 11850 | 9625 | 105.82 | 9804541.2 |
| 14 | G(V 9)000294 | 11850 | 9600 | 106.38 | 9804540.8 |

| | AMG N | E |
|---|---|---|
| 1 | 5247517 | 380417 |
| 2 | 5247521 | 380392 |
| 3 | 5247526 | 380368 |
| 4 | 5247536 | 380319 |
| 5 | 5247540 | 380294 |
| 6 | 5247545 | 380270 |
| 7 | 5247550 | 380245 |
| 8 | 5247560 | 380196 |
| 9 | 5247564 | 380171 |
| 10 | 5247569 | 380147 |
| 11 | 5247574 | 380122 |
| 12 | 5247583 | 380073 |
| 13 | 5247588 | 380049 |
| 14 | 5247593 | 380024 |

BOUGUER GRAVITY
2.52 SUMPTON Δ-93.3

| | | | |
|---|---|---|---|
| | 333.8 | | |
| | 335.7 | 242.7 | -.4 |
| | 336.2 | 243.3 | -.4 |
| | 337.0 | 244.1 | -.4 |
| | 337.4 | 244.4 | -.3 |
| | 338.7 | 245.7 | -.3 |
| | 338.4 | 245.4 | -.3 |
| | 340.1 | 247.1 | -.3 |
| | 340.5 | 247.5 | -.3 |
| | 340.6 | 247.6 | -.3 |
| | 340.3 | 247.3 | -.3 |
| | 341.4 | 248.4 | -.3 |
| | 342.6 | 249.6 | -.3 |
| | 343.4 | 250.4 | -.3 |

| | LATITUDE D | M | S | LONGITUDE D | M | S |
|---|---|---|---|---|---|---|
| 1 | 42 | 54 | 55.6167 | 145 | 32 | 5.6273 |
| 2 | 42 | 54 | 55.4482 | 145 | 32 | 4.5489 |
| 3 | 42 | 54 | 55.2798 | 145 | 32 | 3.4705 |
| 4 | 42 | 54 | 54.9429 | 145 | 32 | 1.3138 |
| 5 | 42 | 54 | 54.7744 | 145 | 32 | 0.2354 |
| 6 | 42 | 54 | 54.6059 | 145 | 31 | 59.1570 |
| 7 | 42 | 54 | 54.4375 | 145 | 31 | 58.0786 |
| 8 | 42 | 54 | 54.1005 | 145 | 31 | 55.9219 |
| 9 | 42 | 54 | 53.9321 | 145 | 31 | 54.8435 |
| 10 | 42 | 54 | 53.7636 | 145 | 31 | 53.7651 |
| 11 | 42 | 54 | 53.5951 | 145 | 31 | 52.6868 |
| 12 | 42 | 54 | 53.2582 | 145 | 31 | 50.5300 |
| 13 | 42 | 54 | 53.0897 | 145 | 31 | 49.4517 |
| 14 | 42 | 54 | 52.9212 | 145 | 31 | 48.3733 |

120

044126

```
*********************************
*    GEOPEKO GRAVITY SURVEY     *
*********************************

FILE          : TG0100
SURVEY NAME   :
VOYAGER 9 11850N 29/1/82

GRAV. METER   : W592
SCALE FACTOR:   1.0206
((µm/s/s)/METER DIVISION)

OPTICAL LEVELLING

BASE          : G(V 9)000011
GRID NAME     :          VOYAGER 9
LOCAL       11850N       10000E
AMG       5247517N     380417E
OBS. GRAVITY:   9804542.8
BASE HEIGHT   :   101
```

| | STATION NAME | LOCAL GRID N | E | RL (m) | OBS. GRAV (µm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000011 | 11850 | 10000 | 101.00 | 9804542.8 |
| 2 | G(V 9)000295 | 11850 | 10025 | 101.85 | 9804541.3 |
| 3 | G(V 9)000296 | 11850 | 10050 | 102.15 | 9804539.6 |
| 4 | G(V 9)000297 | 11850 | 10075 | 103.68 | 9804536.6 |
| 5 | G(V 9)000298 | 11850 | 10100 | 105.05 | 9804532.8 |
| 6 | G(V 9)000299 | 11850 | 10125 | 103.45 | 9804536.0 |
| 7 | G(V 9)000300 | 11850 | 10150 | 103.89 | 9804534.4 |
| 8 | G(V 9)000301 | 11850 | 10175 | 103.75 | 9804534.6 |
| 9 | G(V 9)000302 | 11850 | 10200 | 103.06 | 9804534.7 |
| 10 | G(V 9)000303 | 11850 | 10225 | 101.67 | 9804536.3 |
| 11 | G(V 9)000304 | 11850 | 10250 | 98.33 | 9804541.2 |
| 12 | G(V 9)000305 | 11850 | 10275 | 89.60 | 9804557.0 |
| 13 | G(V 9)000306 | 11850 | 10300 | 87.35 | 9804560.8 |
| 14 | G(V 9)000307 | 11850 | 10325 | 87.03 | 9804559.7 |
| 15 | G(V 9)000308 | 11850 | 10350 | 89.58 | 9804554.3 |
| 16 | G(V 9)000309 | 11850 | 10400 | 89.72 | 9804553.6 |
| 17 | G(V 9)000310 | 11850 | 10425 | 90.93 | 9804549.4 |
| 18 | G(V 9)000311 | 11850 | 10450 | 92.11 | 9804546.9 |
| 19 | G(V 9)000312 | 11850 | 10475 | 93.20 | 9804543.1 |
| 20 | G(V 9)000313 | 11850 | 10500 | 95.11 | 9804537.9 |
| 21 | G(V 9)000314 | 11850 | 10525 | 99.03 | 9804528.3 |
| 22 | G(V 9)000315 | 11850 | 10550 | 100.64 | 9804524.3 |
| 23 | G(V 9)000316 | 11850 | 10575 | 101.65 | 9804521.7 |
| 24 | G(V 9)000317 | 11850 | 10600 | 103.82 | 9804514.9 |
| 25 | G(V 9)000318 | 11850 | 10625 | 104.74 | 9804512.1 |
| 26 | G(V 9)000319 | 11850 | 10650 | 105.52 | 9804510.1 |
| 27 | G(V 9)000320 | 11850 | 10675 | 106.73 | 9804506.0 |
| 28 | G(V 9)000321 | 11850 | 10700 | 106.49 | 9804506.2 |

| | AMG N | E | BOUGUER GRAVITY 2.52 | SUMPTON Δ-93.3 | |
|---|---|---|---|---|---|
| 1 | 5247517 | 380417 | 333.8 | | |
| 2 | 5247512 | 380441 | 334.0 | 241.1 | -.4 |
| 3 | 5247507 | 380466 | 332.9 | 239.9 | -.4 |
| 4 | 5247502 | 380490 | 332.9 | 240.0 | -.4 |
| 5 | 5247498 | 380515 | 331.8 | 238.9 | -.4 |
| 6 | 5247493 | 380540 | 331.8 | 238.9 | -.4 |
| 7 | 5247488 | 380564 | 331.0 | 238.1 | -.4 |
| 8 | 5247483 | 380589 | 330.9 | 237.9 | -.4 |
| 9 | 5247478 | 380613 | 329.6 | 236.7 | -.4 |
| 10 | 5247474 | 380638 | 328.3 | 235.4 | -.4 |
| 11 | 5247469 | 380662 | 326.4 | 233.5 | -.4 |
| 12 | 5247464 | 380687 | 324.4 | 231.5 | -.4 |
| 13 | 5247459 | 380711 | 323.6 | 230.7 | -.4 |
| 14 | 5247455 | 380736 | 321.8 | 228.9 | -.4 |
| 15 | 5247450 | 380760 | 321.5 | 228.6 | -.4 |
| 16 | 5247440 | 380809 | 321.0 | 228.1 | -.4 |
| 17 | 5247436 | 380834 | 319.2 | 226.3 | -.4 |
| 18 | 5247431 | 380859 | 319.1 | 226.2 | -.4 |
| 19 | 5247426 | 380883 | 317.4 | 224.6 | -.4 |
| 20 | 5247421 | 380908 | 316.1 | 223.2 | -.4 |
| 21 | 5247416 | 380932 | 314.4 | 221.6 | -.4 |
| 22 | 5247412 | 380957 | 313.7 | 220.8 | -.4 |
| 23 | 5247407 | 380981 | 313.1 | 220.2 | -.4 |
| 24 | 5247402 | 381006 | 310.6 | 217.8 | -.4 |
| 25 | 5247397 | 381030 | 309.6 | 216.8 | -.5 |
| 26 | 5247393 | 381055 | 309.2 | 216.4 | -.5 |
| 27 | 5247388 | 381079 | 307.5 | 214.7 | -.5 |
| 28 | 5247383 | 381104 | 307.2 | 214.3 | -.5 |

| | LATITUDE | | | LONGITUDE | | |
|---|---|---|---|---|---|---|
| | D | M | S | D | M | S |
| 1 | 42 | 54 | 55.6167 | 145 | 32 | 5.6273 |
| 2 | 42 | 54 | 55.7851 | 145 | 32 | 6.7057 |
| 3 | 42 | 54 | 55.9535 | 145 | 32 | 7.7841 |
| 4 | 42 | 54 | 56.1220 | 145 | 32 | 8.8625 |
| 5 | 42 | 54 | 56.2904 | 145 | 32 | 9.9409 |
| 6 | 42 | 54 | 56.4589 | 145 | 32 | 11.0193 |
| 7 | 42 | 54 | 56.6273 | 145 | 32 | 12.0977 |
| 8 | 42 | 54 | 56.7957 | 145 | 32 | 13.1761 |
| 9 | 42 | 54 | 56.9641 | 145 | 32 | 14.2545 |
| 10 | 42 | 54 | 57.1326 | 145 | 32 | 15.3329 |
| 11 | 42 | 54 | 57.3010 | 145 | 32 | 16.4113 |
| 12 | 42 | 54 | 57.4694 | 145 | 32 | 17.4897 |
| 13 | 42 | 54 | 57.6378 | 145 | 32 | 18.5681 |
| 14 | 42 | 54 | 57.8062 | 145 | 32 | 19.6465 |
| 15 | 42 | 54 | 57.9746 | 145 | 32 | 20.7249 |
| 16 | 42 | 54 | 58.3114 | 145 | 32 | 22.8818 |
| 17 | 42 | 54 | 58.4798 | 145 | 32 | 23.9602 |
| 18 | 42 | 54 | 58.6482 | 145 | 32 | 25.0386 |
| 19 | 42 | 54 | 58.8166 | 145 | 32 | 26.1170 |
| 20 | 42 | 54 | 58.9850 | 145 | 32 | 27.1955 |
| 21 | 42 | 54 | 59.1534 | 145 | 32 | 28.2739 |
| 22 | 42 | 54 | 59.3218 | 145 | 32 | 29.3523 |
| 23 | 42 | 54 | 59.4901 | 145 | 32 | 30.4307 |
| 24 | 42 | 54 | 59.6585 | 145 | 32 | 31.5092 |
| 25 | 42 | 54 | 59.8269 | 145 | 32 | 32.5876 |
| 26 | 42 | 54 | 59.9953 | 145 | 32 | 33.6660 |
| 27 | 42 | 55 | 0.1636 | 145 | 32 | 34.7445 |
| 28 | 42 | 55 | 0.3320 | 145 | 32 | 35.8229 |

# APPENDIX 4

## REGIONAL GRAVITY TRAVERSE DATA

(HP85 file "TG0101")

*** Note: Bouguer Density 2.52 $tm^{-3}$ ***

Comments.

Coordinates and R.L.'s are in metres. R.L. datum is A.H.D.
Gravity values (Obs. & Bouguer) are in micrometres/sec/sec.
Observed Gravity datum : Potsdam.

"BOUGUER GRAVITY" subheadings:

| | |
|---|---|
| "2.52" | Bouguer gravity (density 2.52 $tm^{-3}$ ). |
| "SUMPTON" | Bouguer gravity as computed by Sumpton (1982) using the Hammer T.C. computed by Leaman. |
| "Δ -194.9" | Difference between "2.52" and "SUMPTON" less a constant (194.9). |

**********
* GEOPEKO GRAVITY SURVEY *
**********

FILE : TG0101
SURVEY NAME :
ELLIOTT BAY REGIONAL 19/11/81

GRAV. METER : W592
SCALE FACTOR: 1.0206
((μm/s/s)/METER DIVISION)

BAROMETRIC LEVELLING
BAROMETER SERIAL NUMBERS
(FIELD) :
(BASE) :

BASE : G(V 9)000001
AMG 5246530N 380220E
OBS. GRAVITY: 9804616.9
BASE HEIGHT : 77.91

| | STATION NAME | AMG N | AMG E | RL (m) | OBS. GRAV (μm/s/s) |
|---|---|---|---|---|---|
| 1 | G(V 9)000001 | 5246530 | 380220 | 77.91 | 9804616.9 |
| 2 | G(V 9)000322 | 5246200 | 376370 | 10.21 | 9804896.4 |
| 3 | G(V 9)000323 | 5246260 | 376960 | 43.30 | 9804784.0 |
| 4 | G(V 9)000324 | 5246370 | 377710 | 47.90 | 9804747.3 |
| 5 | G(V 9)000325 | 5246410 | 378250 | 54.03 | 9804708.4 |
| 6 | G(V 9)000326 | 5246440 | 378790 | 61.16 | 9804684.9 |
| 7 | G(V 9)000327 | 5246520 | 379280 | 82.13 | 9804630.1 |
| 8 | G(V 9)000328 | 5246550 | 379670 | 94.12 | 9804596.5 |
| 9 | G(V 9)000329 | 5246440 | 380740 | 116.64 | 9804511.2 |
| 10 | G(V 9)000330 | 5246440 | 381310 | 99.92 | 9804534.7 |
| 11 | G(V 9)000331 | 5246590 | 381760 | 100.36 | 9804525.4 |
| 12 | G(V 9)000332 | 5246830 | 382670 | 53.33 | 9804591.1 |
| 13 | G(V 9)000333 | 5246370 | 383640 | 112.82 | 9804460.1 |
| 14 | G(V 9)000334 | 5246740 | 383770 | 87.23 | 9804509.4 |
| 15 | G(V 9)000335 | 5246780 | 384260 | 96.41 | 9804462.3 |
| 16 | G(V 9)000336 | 5246500 | 384810 | 106.49 | 9804470.8 |
| 17 | G(V 9)000337 | 5246870 | 385190 | 122.95 | 9804425.0 |
| 18 | G(V 9)000338 | 5246960 | 389030 | 150.83 | 9804339.4 |

| | LATITUDE D | M | S | LONGITUDE D | M | S | BOUGUER GRAVITY 2.52 | SUMPTON A-194.9 | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 55 | 27.4801 | 145 | 31 | 56.1905 | 353.1 | 158.2 | -.0 |
| 2 | 42 | 55 | 35.9624 | 145 | 29 | 6.1520 | 493.0 | 303.3 | -5.2 |
| 3 | 42 | 55 | 34.3615 | 145 | 29 | 32.2180 | 448.2 | 255.8 | -2.5 |
| 4 | 42 | 55 | 31.2310 | 145 | 30 | 5.3788 | 421.7 | 229.0 | -2.2 |
| 5 | 42 | 55 | 30.2458 | 145 | 30 | 29.2234 | 395.4 | 202.3 | -1.8 |
| 6 | 42 | 55 | 29.5833 | 145 | 30 | 53.0600 | 386.6 | 192.9 | -1.2 |
| 7 | 42 | 55 | 27.2705 | 145 | 31 | 14.7304 | 374.9 | 179.6 | .4 |
| 8 | 42 | 55 | 26.5202 | 145 | 31 | 31.9519 | 365.8 | 169.5 | 1.4 |
| 9 | 42 | 55 | 30.6903 | 145 | 32 | 19.0528 | 325.2 | 127.3 | 3.0 |
| 10 | 42 | 55 | 31.0105 | 145 | 32 | 44.1895 | 314.6 | 118.1 | 1.6 |
| 11 | 42 | 55 | 26.4009 | 145 | 33 | 4.1482 | 307.4 | 110.9 | 1.6 |
| 12 | 42 | 55 | 19.1289 | 145 | 33 | 44.4590 | 279.4 | 87.0 | -2.5 |
| 13 | 42 | 55 | 34.5719 | 145 | 34 | 26.8898 | 265.4 | 68.1 | 2.4 |
| 14 | 42 | 55 | 22.6521 | 145 | 34 | 32.8991 | 265.7 | 70.6 | .2 |
| 15 | 42 | 55 | 21.6241 | 145 | 34 | 54.5371 | 237.5 | 41.7 | .9 |
| 16 | 42 | 55 | 30.9984 | 145 | 35 | 18.5840 | 264.1 | 67.6 | 1.6 |
| 17 | 42 | 55 | 19.2134 | 145 | 35 | 35.6158 | 254.7 | 56.8 | 3.0 |
| 18 | 42 | 55 | 18.3431 | 145 | 38 | 25.0181 | 225.9 | 26.1 | 4.9 |