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GRUM Data Base - T & R Data

L.C. Pigage

May 1984

'GRUM Data Base' - 'T & R Data'  
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Item ④

GRUM DATABASE - T AND R DATA

L.C. PIGAGE

MAY 1, 1984

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INTRODUCTION

This report is a summary description of the procedures used to select the collar locations and downhole deviations for the various drill holes in the vicinity of the GRUM deposit. This data corresponds to the T (drillhole collar location) and R (downhole survey) data subfiles in the GRUM database.

Table I contains a listing of the 459 rotary and diamond drill holes presently entered into the GRUM database. The area encompassed by the present version of the database is illustrated in figures 1 and 2. The database contains all the drillholes completed since 1965 (that CAMC Exploration is aware of). Additional drillholes should be brought to the attention of the author so that the database may be upgraded.

T-DATA

Anvil District Survey Control

In 1979 Northwest Survey Corporation (Yukon) Ltd. completed a new control survey of the Anvil District. The survey was undertaken to provide horizontal and vertical control for a new series of detailed orthophotos, to amalgamate all previous local control surveys to a common datum and to provide a basis for any future control surveys.

All survey control points used in earlier local surveys for Kerr Addison and CAMC were incorporated into the 1979 District survey. In addition, several new survey control points were established. Consequently, all the different deposit areas were tied into a common control grid and elevation datum.

The 1979 Anvil District control survey was then tied into the international UTM ( Universal Transverse Mercator) grid system using Canada Geodetic Survey control points in the Faro-Ross River areas. The locations of these control points were adjusted in mid 1979 using satellite control. The adjusted co-ordinates were incorporated into the Anvil District control survey.

The elevation datum in the UTM system is the geodetic surface based on the North American datum, 1927. This surface corresponds to mean sea level. The UTM grid is rotated  $1^{\circ}34'25''$  ( $1.5736^{\circ}$ ) in a clockwise direction relative to True North in the area of the GRUM deposit.

Because the 1979 Anvil District control survey was tied into the UTM grid system, all District surveys are reported in UTM co-ordinates. The UTM co-ordinates and elevations are also superimposed on all the 1979 detailed orthophotos. All drillhole collars for the GRUM database are referenced using the UTM grid and elevations established during the 1979 survey.

Pre-1965 Exploration Drillholes (Prospectors' Airways, Kerr Addison)

Several P-series and V-series drillholes were completed by Prospectors' Airways and Kerr Addison in the GRUM deposit area. Most of these drillholes are located in the FIRTH zone (NW) and CHAMP zone (SE) of the deposit. These drillholes have not been entered into the GRUM database at this time.

These drillholes were not entered for several reasons, largely related to CAMC Exploration not being fully comfortable with the information in files inherited from Kerr Addison. In many cases, field locations of drillhole collars is incompletely known. At this stage, no field checks of collar locations have been done. Drill core for many of these holes is missing or only incompletely saved. In most cases, it is difficult to translate the original field logs for these drillholes into the current Anvil District lithologic coding.

The P- and V- series drillholes should be added to the GRUM database as more information becomes available for these holes. This information should include surveyed collar locations, (Kerr Addison files?), field checks of collar locations, location and relogging of drill core, and "translation" of original field logs to current lithologic coding.

1965 - 1979 Exploration Drillholes (Anvil, CAMC, Dynasty)

Collar locations for these rotary and diamond drillholes have not been surveyed. In most cases, the collar locations were originally described relative to a local property geophysical and/or geochemical cut grid system.

For the GRUM database, the approximate collar locations were transferred to the 1979 1:5000 scale orthophoto from earlier regional maps, the earlier orthophoto, and air photos. Clearings and roads visible on the 1979 orthophoto were used to help locate the appropriate spot. As part of the Vangorda Plateau Re-mapping Project (1983- ) all the collar locations are being field checked to see if more exact locations can be pinpointed. In some instances, the original drill sites are marked with an unlabelled post or abandoned casing. In these cases, the collars have been located precisely on the 1979 orthophotos.

All UTM co-ordinates for the drillhole collars were measured from the 1979 1:5000 scale orthophoto. Elevations were interpolated from the orthophoto topography. For those drillholes located in the field, collar co-ordinates and elevations are precise to within  $\pm 5$  metres, and  $\pm 2.5$  metres respectively. For the drillholes which could not be located in the field, collar co-ordinates and elevations are considered precise to within  $\pm 10$  metres and  $\pm 5$  metres, respectively.

1973 - 1976 FAGA Drillholes (AEX, Kerr Addison)

In 1975, Kerr Addison established a N-S, E-W control survey grid for the GRUM, Vangorda and Swim Lakes areas. All surface FAGA drillhole collars were systematically surveyed using the control points established with the 1975 survey. Collar locations are reported by Kerr Addison using this local N-S, E-W grid. Drillhole collars for the FAGA drillholes are marked in the field with striped red and yellow posts.

The 1979 Anvil District survey incorporated all the 1975 survey control points used by Kerr Addison. Using the original field survey notes and the new UTM co-ordinates for the 1975 survey control points, Northwest Survey prepared a report listing FAGA collar locations in UTM co-ordinates.

The 1979 control survey established an elevation datum which is 10.61 metres lower than the 1975 control survey. Therefore, all reported Kerr Addison elevations are too high by 10.61 metres compared to the current datum.

Collar co-ordinates and elevations for the FAGA collars are reported in the GRUM database as decimal metres. In most instances, the co-ordinates and elevations reported by Northwest Survey in the 1979 re-interpretation of the original field surveys were incorporated into the database. In a few instances, CAMC Mine Surveyors have resurveyed the locations

of FAGA drillholes. The CAMC mine surveys were preferentially entered into the GRUM database. Precision for all FAGA collars is considered to be within + 1 metre for both UTM co-ordinates and elevation.

1975 - 1976 FAGU Drillholes (Kerr Addison)

Kerr Addison surveyed the underground workings and tied the underground surveys to the 1975 N-S, E-W local grid. Most of the underground FAGU drillhole collar locations were surveyed at this time and co-ordinates reported using the 1975 grid. For the FAGU collars which were not surveyed, Kerr Addison reported an approximate location.

Daryl Hanson (CAMC) reviewed the Kerr Addison underground surveys after CAMC acquired the GRUM deposit. Because of undetected survey errors in the original underground surveys, some of the Kerr Addison co-ordinates were incorrect. Daryl re-calculated the FAGU collars where necessary and provided a corrected set of co-ordinates and elevations relative to the 1975 control survey.

In 1982, Jim Marlon-Lambert derived a set of transformation equations for converting between the 1975 Kerr Addison grid co-ordinates and the 1979 Anvil District UTM co-ordinates in the area of the GRUM deposit. These equations are a least squares fit to a selected number of FAGU drillholes with collars reported both in 1975 grid co-ordinates and 1979 UTM co-ordinates. Appendix I contains a more detailed description of the conversion equations and their derivation.

Collar co-ordinates for the FAGU drillholes in the GRUM database were calculated from Daryl Hanson's revised 1975 grid co-ordinates using Jim Marlon-Lambert's conversion equations. Elevations reported in the database were calculated by subtracting 10.61 metres from the revised elevations reported by Daryl Hanson. All collar co-ordinates and elevations are reported in the GRUM database as decimal metres. Where the original collar location was surveyed precision is considered to be within  $\pm 1$  metre. Unsurveyed collar co-ordinates have an unspecified precision; constraints on location probably restrict the collar location to within  $\pm 5$  metres and  $\pm 2$  metres for horizontal co-ordinates and elevation, respectively.

1979 - 1983 Surface Drillholes (CAMC)

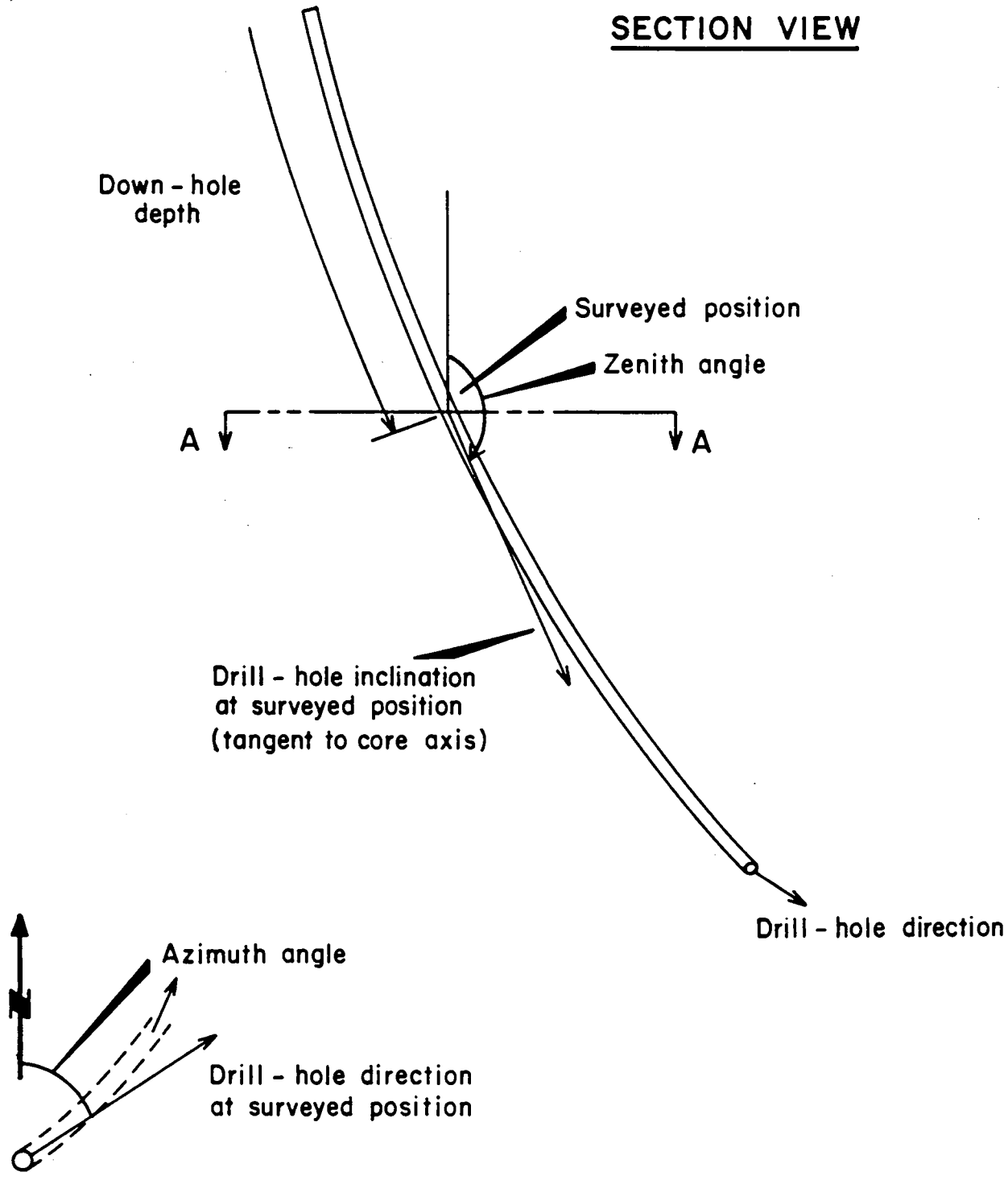
Diamond drillholes completed by CAMC between 1980 - 1983 include FAGA 200 - FAGA 241, FAGADL1 - FAGADL4, FA81AX1, and FA80C51 - FA80C62. Collar locations of these drillholes have all been surveyed by CAMC Mine Surveyors. Drillhole co-ordinates have been entered into the GRUM database as decimal metres. Precision of the surveys is within + 1 metre.

## R-DATA

The R-data subfile in the GRUM database contains the orientation of each drillhole at the collar and at specified (measured) intervals down the drillhole. Downhole surveys at GRUM were completed using acid dip tests, Sperry Sun single shot measurements, or Tropari measurements. Table 2 contains a listing of all downhole surveys currently in the GRUM database.

The drillhole orientation data are reported using two angles (see figure 3). The azimuth angle ranges between  $0^{\circ}$  and  $360^{\circ}$ ; it measures the clockwise angle between the horizontal projection of the drillhole trace and True North. The zenith angle ranges from  $0^{\circ}$  to  $180^{\circ}$ ; it measures the inclination of the borehole trace in the vertical plane containing the azimuth. A zenith angle of  $0^{\circ}$  is vertically upward and a zenith angle of  $180^{\circ}$  is vertically downward. Therefore a drillhole inclined at  $-80^{\circ}$  would have a reported zenith angle of  $170^{\circ}$ .

In the GRUM database azimuth and zenith angles are reported in decimal degrees. For zenith angles of  $0^{\circ}$  and  $180^{\circ}$  the azimuth angle is undefined; in the database the azimuth angle for these two cases is recorded as  $0.0^{\circ}$ . Azimuth angles are all measured relative to True North. Instrument readings using magnetic north have been consistently corrected to True North by adding  $33^{\circ}$  to the instrument readings. Although reported in decimal degrees, azimuth and zenith data cannot be considered accurate or precise to better than  $\pm 2^{\circ}$ .



PLAN VIEW A-A

Figure 4 - 3 DEFINITION OF DOWN - HOLE SURVEY ANGLES

1965 - 1979 Exploration Drillholes (Anvil, CAMC, Dynasty)

Collar orientations for all drillholes are vertically downward (azimuth =  $0^{\circ}$ ; zenith =  $180^{\circ}$ ). No downhole surveys were completed on the rotary drillholes; in the database these drillholes do not contain any deviation from the vertically downward orientation.

For the diamond drillholes Sperry Sun instrument readings are reported in the database when measured. In one instance the downhole deviation was measured using acid dip surveys. In this case the zenith angle was taken from the acid test, and the azimuth was taken from a downhole Sperry Sun single shot test in a nearby drillhole. In a few cases no downhole surveys were completed. Where possible a fictitious set of downhole surveys was calculated by using averages of downhole surveys in nearby drillholes.

1973 - 1976 FAGA Drillholes (AEX, Kerr Addison)

Collar orientations for all drillholes are vertically downward (azimuth =  $0^{\circ}$ ; zenith =  $180^{\circ}$ ). Downhole surveys for many of the FAGA drillholes were originally measured using either Sperry Sun single shot of Tropari instruments. All instrument readings were checked against the logged lithology for the same downhole depth. If the lithology was magnetic (pyrrhotite or magnetite reported in significant amounts), the instrument reading was considered spurious and was deleted from the database.

For those drillholes which were surveyed using the Sperry Sun single shot instrument, Daryl Hanson re-read all the extant camera discs. For the most part Daryl's readings were entered into the database. In a few instances Dave Jennings and Gregg Jilson subsequently did spot checks of the camera discs; their readings were entered into the database to replace Daryl's earlier readings.

In many instances (especially for shorter drillholes) the FAGA drillholes did not have any downhole surveys completed. For these situations a downhole deviation was calculated by averaging the downhole survey readings from surrounding FAGA drillholes.

1975 - 1976 FAGU Drillholes (Kerr Addison)

Underground drillholes with downhole survey information were entered into the GRUM database in exactly the same manner as the FAGA drillholes. Daryl Hanson re-read all Sperry-Sun discs, and Dave Jennings and Gregg Jilson did spot checks of the same discs. Instrumental readings were deleted if the results were considered spurious because of magnetic lithologies in the immediate vicinity of the survey.

For short FAGU drillholes no downhole surveys were completed. Because of the short length and diverse orientations of the FAGU drillholes, averaged downhole surveys were not calculated for those drillholes which did not have reported instrument readings. In these instances, the drillhole was considered not to have deviated from the initial drillhole collar orientation.

Kerr Addison surveyed collar orientations for many of the FAGU drillholes. Daryl Hanson checked these surveyed orientations and recalculated them where necessary. For those collars which were either lost or not surveyed the assumed initial orientations were along azimuth 044 or 224. Zenith angles were either taken from the original drill log sheets or from the Kerr Addison cross-sections.

Collar orientations entered into the GRUM database were taken from the summary report of FAGU collar co-ordinate and orientation

information prepared by Daryl Hanson. All azimuth and zenith orientation data in the listing were reported as degrees, minutes, seconds. These measurements were converted to decimal degrees for entry into the database. For example, the orientation of FAGU004 was originally reported as azimuth =  $235^{\circ}47'$ , zenith =  $+72^{\circ}04'$ . In the GRUM database the appropriate converted orientation information is azimuth =  $235.8^{\circ}$ , zenith =  $17.9^{\circ}$ .

1979 - 1983 Surface Drillholes (CAMC)

Drillholes completed by CAMC during this interval were all initially vertically downward (except for FAGA224). Downhole surveys on the longer drillholes were completed using a Sperry Sun single shot instrument. For shorter drillholes the deviation from vertically downward was considered to be negligible. All downhole measurements were checked for possible magnetic interference before entry into the GRUM database.

SUMMARY

This report contains summary listings of drillhole collar locations (T-data; Table 1) and downhole survey information (R-data; Table 2) for all 459 rotary and diamond drillholes presently incorporated into the GRUM DDHDB. The area encompassed by the present database is illustrated in figures 1 and 2.

Collar locations are reported using the UTM co-ordinates grid established in the 1979 Anvil District Control Survey. Downhole survey orientations are all referenced to True North; instrument readings were corrected to True North from magnetic north by adding  $33^{\circ}$  to the instrument readings.

Sources of survey information and description of methods used to convert the original data are summarized for the different drillholes in this report.

FURTHER WORK

Vangorda Plateau Remapping Project (ongoing)

The Vangorda Plateau Remapping Project is an Exploration program to provide an internally consistent geological overview of the Vangorda Plateau area. This geological overview will include relogging of drill-holes peripheral to the mineral deposits. It is considered necessary to re-evaluate the importance of fault and fold patterns in the area as they relate to both exploration potential and production decisions.

As part of this project, the collar locations of all Exploration and Development drillholes completed since 1965 are being field checked and transferred to the 1979 1:5000 scale Anvil District orthophoto. UTM grid co-ordinates are being measured from the orthophoto and reported for each of these drillholes. Figures 1 and 2 provide an example of the number and density of peripheral drillholes in the Vangorda Plateau area. It can readily be seen that information from these drillholes is necessary for future planning. As an ongoing project, the Vangorda Plateau re-mapping is a means of making this information more accessible to all potential users within CAMC. This project should continue to re-evaluate the geology for the entire Vangorda Plateau area and incorporate geological information from peripheral drilling throughout the entire southern part of the Anvil District.

GRUM Database Expansion (area)

Figures 1 and 2 delineate the area encompassed within the current GRUM database. The figures illustrate that the area of dense deposit drilling (Cross-sections 60 - 88W) encompasses only about 1/5 of the database. The peripheral drillholes outside the deposit drilling area, however, provide important information for planning purposes. These drillholes obviously contain information needed for questions concerning possible waste dumpareas, production buildings, stripping ratios, and road locations.

By including the peripheral drillholes in the GRUM database, the database has become a useful working tool for both geological and engineering purposes. This expansion of the database to include peripheral areas should be completed for all deposit areas. The various databases should be upgraded to more universal, accessible inventories of information.

In particular, the area encompassed by the GRUM database should be further expanded to the southwest and northeast to include the drillholes indicated in figures 1 and 2. These peripheral drillholes provide important geological information concerning the downdip and updip extensions of the stratigraphy containing the GRUM deposit. In addition, the information is potentially useful for planning purposes.

Finally, the GRUM database expansion also provides a useful inventory for drillhole information. CAMC Exploration previously proposed the development of an Anvil District Drillhole Database to provide an inventory of all drilling within the entire district. That proposal has been delayed indefinitely. As an interim measure, expansion of the individual deposit databases allows for at least an initial cataloguing of the drilling completed in the Vangorda Plateau area. By having the drillholes in the database, plotting and reporting of drilling results is facilitated at a number of different scales.

GRUM Database Expansion (future)

At present, the database contains only the drillholes specifically known to CAMC Exploration. In all probability several geotechnical drillholes have been completed which are not entered into the database. Provisions should be made to ensure that all past drilling be entered into the database. In addition, the database should be consistently upgraded to include all future drilling for geological and engineering purposes.

Engineering/Production Planning

Figures 1 and 2 indicate the locations of both rotary and diamond drillholes in the vicinity of the GRUM deposit. They also readily indicate the density of drillhole information presently available for production and planning purposes. This report should be used as the base for evaluating whether further drillhole information is needed in any particular area encompassed by the database.

A P P E N D I X

INTRODUCTION

The 1975 Kerr Addison control survey grid is an orthogonal grid oriented North-South and East-West. The origin for the grid is in the Anvil District area. The North direction was determined using astronomical observations. Units of measurement for the grid are metres.

The 1979 Anvil District control survey is an orthogonal grid which has been tied into the international UTM grid system. In the Anvil District area the UTM grid north is rotated in a clockwise direction from True North by  $1.5736111^{\circ}$ .

Because the survey is tied into the UTM system, the origin for the 1979 survey is located at Latitude  $0^{\circ}$ N (equator) and Longitude  $135^{\circ}$ W (= 500,000 E in UTM co-ordinates.)

The UTM grid is a rectilinear grid system with both N and E reference axes being measured in metres. However, the grid is a projection of the sea level spheroid, and distances are therefore slightly exaggerated by the projection process. Therefore, a scaling factor must be used to convert measured lengths to UTM lengths. The scaling factor is defined as  $\frac{\text{UTM length}}{\text{measured length}}$ .

Conversion equations between the two different grid systems will therefore involve the following three operations:

1. Translation (K-A grid origin is different from UTM grid origin)
2. Rotation (by  $1.5736111^{\circ}$ )
3. Scaling (to correct distances to the geodetic datum).

If these different operations are combined, the resulting conversion equations are:

A) Kerr Addison co-ordinates to UTM co-ordinates

$$\begin{aligned} 1. N_{UTM} &= N_0 + (S * ((N_{KA} * \cos \alpha) + (E_{KA} * \sin \alpha))) \\ 2. E_{UTM} &= E_0 + S * (-N_{KA} * \sin \alpha + E_{KA} * \cos \alpha) \end{aligned}$$

B) UTM co-ordinates to Kerr Addison co-ordinates

$$\begin{aligned} 3. N_{KA} &= [(N_{UTM} - N_0) * \cos \alpha - (E_{UTM} - E_0) * \sin \alpha] / S \\ 4. E_{KA} &= [(N_{UTM} - N_0) * \sin \alpha + (E_{UTM} - E_0) * \cos \alpha] / S \end{aligned}$$

where  $N_{UTM}, E_{UTM}$  = UTM co-ordinates of a point

$N_{KA}, E_{KA}$  = Kerr Addison co-ordinates of a point

= clockwise offset angle between Kerr Addison and UTM grids  
=  $1.5736111^{\circ}$

$$\cos \alpha = 0.9996229$$

$$\sin \alpha = 0.0274612$$

$S$  = scaling factor

$N_0, E_0$  = origin of Kerr Addison grid in UTM co-ordinates

$$+ S = 0.99950853 \quad \text{average value}$$

$$+ N_0 = 6894007.1169 \quad \text{least squares minimum}$$

$$+ E_0 = 584995.9084 \quad \text{least squares minimum}$$

Inspection of equations 1 through 4 indicates that NUTM, EUTM,  $N_{KA}$ ,  $E_{KA}$ ,  $N_0$ ,  $E_0$ , and  $S$  are unknowns. Northwest Survey, however, as part of the 1979 District control survey calculated UTM co-ordinates for all Kerr Addison FAGA drillholes from the original survey notes. Consequently, for these drillholes both NUTM, EUTM and  $N_{KA}$ ,  $E_{KA}$  co-ordinates are known. For a selected number of drillholes the remaining unknowns are  $N_0$ ,  $E_0$ , and  $S$ .

In 1982 Jim Marlon-Lambert solved for  $N_0$ ,  $E_0$ , and  $S$  using a least squares approach. This solution is intended strictly for the GRUM deposit area. He selected twelve Kerr Addison FAGA drillholes containing co-ordinates in both the 1979 UTM and 1975 Kerr Addison grids. The drillholes selected were FAGA017, FAGA018, FAGA031, FAGA042, FAGA053, FAGA061, FAGA100, FAGA116, FAGA119, FAGA126, FAGA131, and FAGA137. These drillholes were selected to encompass the main area of the GRUM deposit.

He then determined scale factors between each drillhole by calculating the UTM grid and Kerr Addison grid distances between each of the drillholes. Since the Kerr Addison co-ordinates use measured distances, the scale factor for each two drillholes is defined by:

$$S = \frac{\text{map distance}}{\text{measured distance}} = \frac{\text{UTM distance}}{\text{Kerr Addison distance}}$$

An average scale factor  $S$  for the deposit was then calculated by averaging all the different scale factors. The average scale factor is:

$$S = 0.99950853$$

Using this average scale factor S, he then did a least squares fit to equations 1 - 4 to arrive at an optimal No. and So. The best values for the selected twelve drillholes was -

$$No = 6894007.1169$$

$$Eo = 584995.9084$$

These different values are incorporated into equations 1 - 4 to convert between Kerr Addison and UTM grid co-ordinates.

13APR84 GRUM

## DRILL HOLE COLLAR DATA (DM021)

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE		
4567506	905,183.0	592,571.0	1,299.9	157.3	W 72	S2	230	11	312	1975 Exploration DDH	
4567507	905,138.0	592,530.0	1,299.9	288.3	W 72	S2	230	11	312		
4567509	905,787.0	591,302.0	1,303.0	524.2	W 116	S2	230	11	312		
EA65T01	906,080.0	590,838.0	1,268.0	128.0						1985 TIE Rotary Holes	
EA65T02	906,093.0	590,942.0	1,268.0	112.7							
EA65T03	905,960.0	590,612.0	1,276.0	67.0							
EA65T04	905,832.0	590,270.0	1,263.0	70.0							
EA71C34	905,850.0	591,207.0	1,301.0	19.5						1971 Overburden Rotary Holes	
EA71C35	905,690.0	590,960.0	1,308.0	26.8							
EA71C36	905,593.0	590,828.0	1,320.0	16.1							
EA71C37	905,535.0	590,675.0	1,322.0	17.8							
EA71C40	906,125.0	590,482.0	1,243.0	13.1							
EA71162	905,462.0	593,562.0	1,354.0	15.2							
EA71163	905,100.0	592,930.0	1,303.0	15.2							
EA71165	905,495.0	593,000.0	1,332.0	6.0							
EA71166	905,760.0	592,477.0	1,324.0	57.9							
EA71167	906,565.0	591,852.0	1,346.0	9.1							
EA71168	905,277.0	591,418.0	1,338.0	9.1							
EA71169	905,053.0	591,215.0	1,348.0	9.1							
EA71173	904,825.0	591,860.0	1,305.0	9.1							
EA71174	904,625.0	591,657.0	1,304.0	9.1							
EA71179	904,340.0	592,353.0	1,265.0	12.0							
EA71180	904,225.0	592,260.0	1,268.0	24.3							
EA71200	903,915.0	592,380.0	1,229.0	131.1							
EA71201	904,283.0	592,308.0	1,270.0	123.4							
EA76X11	904,375.0	591,980.0	1,278.0	732.7	W 68	S2	230	11	312	Exploration DDH	
EA79T01	905,890.0	590,885.0	1,292.0	288.8							
FA80C51	904,775.0	593,430.0	1,295.0	54.9		S2	230	11	312	1980 Crusher Site DDH	
FA80C52	904,773.0	593,439.5	1,295.0	41.2		S2	230	11	312		
FA80C53	904,765.3	593,428.0	1,295.0	41.1		S2	230	11	312		
FA80C54	904,777.2	593,420.5	1,295.0	41.1		S2	230	11	312		
FA80C55	904,784.7	593,432.2	1,295.0	41.1		S2	230	11	312		
FA80C56	904,792.0	593,419.5	1,295.0	41.1		S2	230	11	312		
FA80C57	904,785.5	593,447.0	1,295.0	30.5		S2	230	11	312		
FA80C58	904,758.0	593,440.7	1,295.0	30.5		S2	230	11	312		
FA80C59	904,764.5	593,413.2	1,295.0	30.5		S2	230	11	312		
FA80C60	904,814.5	593,405.8	1,295.0	30.5		S2	230	11	312		
FA30C61	904,834.5	593,392.5	1,295.0	30.5		S2	230	11	312		
FA80C62	904,860.0	593,376.3	1,295.0	30.5		S2	230	11	312		
FA81AX1	904,653.2	592,906.1	1,270.0	303.8	W 52	S2	230	11	312		1981 Dumpsite DDH
FAGAG01	904,778.4	592,022.4	1,296.8	312.6	W 76	S2	230	11	312		GRUM Deposit Surface DDH
FAGAG04	904,922.3	592,170.2	1,286.0	314.8	W 76	S2	230	11	312		
FAGAG05	904,990.7	592,214.3	1,293.2	180.5	W 76	S2	230	11	312		
FAGAG06	905,267.0	592,451.0	1,299.9	145.4	W 76	S2	230	11	312		
FAGAG08	905,349.0	592,220.7	1,308.9	232.6	W 84	S2	230	11	312		
FAGAG09	905,103.2	592,322.4	1,302.3	232.0	W 76	S2	230	11	312		
FAGAG10	905,029.6	592,175.1	1,298.9	264.6	W 78	S2	230	11	312		
FAGAG11	904,901.2	592,217.0	1,281.4	249.9	W 74	S2	230	11	312		
FAGAG12	905,198.1	592,078.6	1,312.7	364.5	W 84	S2	230	11	312		
FAGAG13	904,776.5	592,358.7	1,277.1	186.0	W 68	S2	230	11	312		
FAGAG14	904,874.3	592,111.1	1,290.2	334.6	W 76	S2	230	11	312		

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
✓FAGA015	905,493.2	592,026.0	1,316.5	249.6	W 92	S2	230	11	312 — not logged by CAMC
✓FAGA016	905,662.7	591,930.5	1,310.5	304.5	W 98	S2	230	11	312 — not logged by CAMC
✓FAGA017	904,691.1	592,269.0	1,273.9	283.2	W 68	S2	230	11	312
✓FAGAC18	905,312.8	591,855.9	1,322.4	448.4	W 92	S2	230	11	312 — not logged by CAMC
✓FAGA019	904,906.5	592,305.3	1,284.9	256.8	W 72	S2	230	11	312
✓FAGAC20	905,240.4	592,119.0	1,311.1	406.6	W 84	S2	230	11	312
✓FAGA021	904,951.1	592,346.0	1,291.1	260.8	W 72	S2	230	11	312
✓FAGAC22	905,148.8	592,034.9	1,311.5	384.6	W 84	S2	230	11	312
✓FAGA023	904,825.6	592,395.7	1,277.9	306.0	W 68	S2	230	11	312
✓FAGAC24	905,067.0	592,123.8	1,303.9	356.3	W 80	S2	230	11	312
✓FAGAC25	905,751.4	592,096.9	1,301.3	315.1	W 96	S2	230	11	312 — not logged by CAMC
✓FAGAC26	904,742.5	592,485.5	1,277.1	273.3	W 64	S2	230	11	312
✓FAGA027	905,114.7	592,167.2	1,303.7	349.6	W 80	S2	230	11	312
✓FAGA028	904,697.3	592,443.2	1,274.0	280.7	W 64	S2	230	11	312
✓FAGA029	905,683.8	591,531.6	1,306.6	465.7	W 108	S2	230	11	312
✓FAGAC30	905,046.7	592,270.2	1,303.3	389.5	W 76	S2	230	11	312
✓FAGA031	904,617.2	592,533.0	1,267.6	217.6	W 60	S2	230	11	312
✓FAGAC32	905,023.4	592,082.3	1,304.4	359.1	W 80	S2	230	11	312
✓FAGA033	904,490.0	592,581.3	1,262.5	219.2	W 56	S2	230	11	312 — not logged by CAMC
✓FAGA034	905,689.5	591,708.8	1,304.7	273.8	W 104	S2	230	11	312 — not logged by CAMC
✓FAGAC35	904,977.4	592,042.6	1,303.1	389.8	W 80	S2	230	11	312
✓FAGA037	904,445.7	592,542.0	1,255.8	158.5	W 56	S2	230	11	312 — not logged by CAMC
✓FAGAC38	904,932.4	592,002.5	1,301.9	363.3	W 80	S2	230	11	312
✓FAGA039	904,400.3	592,500.2	1,251.6	234.1	W 56	S2	230	11	312 — not logged by CAMC
✓FAGAC41	904,887.5	591,961.5	1,303.4	384.0	W 80	S2	230	11	312
✓FAGAC42	904,354.6	592,459.5	1,254.1	136.6	W 56	S2	230	11	312 — not logged by CAMC
✓FAGAC45	904,869.2	592,435.8	1,281.6	235.3	W 68	S2	230	11	312
✓FAGAC46	904,274.1	592,548.5	1,241.9	112.3	W 52	S2	230	11	312 — not logged by CAMC
✓FAGAC49	904,327.9	592,762.8	1,248.4	219.5	W 48	S2	230	11	312 — not logged by CAMC
✓FAGAC50	904,319.1	592,589.7	1,242.0	203.3	W 52	S2	230	11	312 — not logged by CAMC
✓FAGA051	905,104.4	591,993.6	1,312.4	367.0	W 84	S2	230	11	312
✓FAGA052	904,914.4	592,478.0	1,289.3	261.8	W 68	S2	230	11	312
✓FAGA053	905,019.2	592,243.3	1,297.9	357.1	W 76	S2	230	11	312
✓FAGA054	904,363.9	592,630.8	1,249.1	142.0	W 52	S2	230	11	312 — not logged by CAMC
✓FAGAC55	904,788.2	592,525.9	1,277.6	217.9	W 64	S2	230	11	312
✓FAGAC56	904,995.8	592,365.1	1,299.8	343.1	W 72	S2	230	11	312
✓FAGA057	905,564.6	591,758.4	1,314.9	416.4	W 100	S2	230	11	312 — not logged by CAMC
✓FAGAC58	904,932.0	592,568.5	1,282.6	187.5	W 64	S2	230	11	312
✓FAGAC59	905,231.6	591,946.8	1,318.7	397.3	W 88	S2	230	11	312
✓FAGAC60	904,862.0	592,265.4	1,278.8	361.5	W 72	S2	230	11	312
✓FAGAC61	905,274.8	591,988.3	1,318.3	276.3	W 88	S2	230	11	312
✓FAGA062	904,868.1	592,347.4	1,279.8	301.1	W 70	S2	230	11	312
✓FAGAC63	904,525.2	592,450.3	1,260.7	180.0	W 60	S2	230	11	312
✓FAGA064	905,777.0	591,617.2	1,295.2	432.2	W 108	S2	230	11	312
✓FAGA065	904,948.0	592,254.3	1,288.7	167.5	W 74	S2	230	11	312
✓FAGA066	904,785.8	592,440.4	1,276.9	182.9	W 66	S2	230	11	312
✓FAGAC67	905,118.4	592,251.7	1,303.3	406.8	W 78	S2	230	11	312
✓FAGA068	905,076.7	592,298.2	1,304.1	389.1	W 76	S2	230	11	312
✓FAGAC69	905,159.2	592,206.1	1,302.5	410.3	W 80	S2	230	11	312
✓FAGA070	904,909.9	592,390.5	1,286.1	108.2	W 70	S2	230	11	312
✓FAGA071	904,990.3	592,300.3	1,297.0	177.4	W 74	S2	230	11	312

NOH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
✓FAGA072	905,073.4	592,215.2	1,304.4	195.0	W 78	S2	230	11	312
✓FAGA073	905,149.4	592,364.9	1,302.2	364.1	W 76	S2	230	11	312
✓FAGAC74	904,732.8	592,313.3	1,272.9	323.1	W 68	S2	230	11	312
✓FAGA075	905,208.1	592,328.4	1,301.2	347.8	W 78	S2	230	11	312
✓FAGA076	905,203.8	592,247.0	1,301.8	407.1	W 80	S2	230	11	312
✓FAGA077	904,654.3	592,402.2	1,267.6	305.3	W 64	S2	230	11	312
✓FAGA078	905,254.9	592,375.8	1,301.1	310.8	W 78	S2	230	11	312
✓FAGAC79	905,251.8	592,283.2	1,301.6	419.1	W 80	S2	230	11	312
✓FAGAC80	905,299.8	592,418.7	1,300.0	346.3	W 78	S2	230	11	312
✓FAGAC81	904,614.5	592,443.1	1,264.8	273.7	W 62	S2	230	11	312
✓FAGA082	905,167.6	592,295.3	1,301.7	364.1	W 78	S2	230	11	312
✓FAGAC83	904,813.0	592,224.7	1,278.5	360.8	W 72	S2	230	11	312
✓FAGA084	904,984.3	592,128.6	1,297.3	456.6	W 78	S2	230	11	312
✓FAGA085	905,154.8	592,120.3	1,307.6	431.0	W 82	S2	230	11	312
✓FAGA086	905,870.7	591,697.1	1,290.8	616.2	W 108	S2	230	11	312
✓FAGAC87	905,199.0	592,161.3	1,305.0	426.4	W 82	S2	230	11	312
✓FAGAC88	905,035.3	592,341.9	1,303.4	337.6	W 74	S2	230	11	312
✓FAGA089	905,250.1	592,201.2	1,304.4	378.0	W 82	S2	230	11	312
✓FAGA090	905,083.2	592,382.9	1,302.1	316.3	W 74	S2	230	11	312
✓FAGAC91	905,907.1	591,567.8	1,289.5	541.0	W 112	S2	230	11	312 — not logged by CAMC
✓FAGA092	905,126.4	592,424.0	1,300.9	288.6	W 74	S2	230	11	312
✓FAGA093	905,290.3	592,243.9	1,302.8	350.5	W 82	S2	230	11	312
✓FAGAC94	905,956.0	591,778.4	1,299.0	301.1	W 108	S2	230	11	312
✓FAGA095	905,038.1	592,427.7	1,302.8	213.4	W 72	S2	230	11	312
✓FAGA096	904,955.0	592,432.5	1,293.0	151.5	W 70	S2	230	11	312
✓FAGA097	906,363.7	591,344.4	1,305.2	100.0	W 128	S2	230	11	312
✓FAGA098	906,320.3	591,298.9	1,305.9	145.5	W 128	S2	230	11	312
✓FAGA099	904,870.5	592,518.2	1,285.8	185.5	W 66	S2	230	11	312
✓FAGA100	905,000.0	592,473.4	1,298.6	250.5	W 70	S2	230	11	312
✓FAGA101	906,232.2	591,388.7	1,304.4	269.7	W 124	S2	230	11	312
✓FAGA102	904,790.4	592,612.2	1,279.3	183.4	W 62	S2	230	11	312
✓FAGA103	904,746.4	592,570.1	1,277.7	214.0	W 62	S2	230	11	312
✓FAGA104	905,235.0	592,158.7	1,309.6	420.3	W 84	S2	230	11	312
✓FAGA105	904,563.4	592,403.9	1,263.1	199.5	W 62	S2	230	11	312
✓FAGA106	904,954.0	592,515.0	1,293.0	190.5	W 68	S2	230	11	312
✓FAGA107	904,700.6	592,529.6	1,275.9	216.7	W 62	S2	230	11	312 — not logged by CAMC
✓FAGA108	904,434.3	592,494.5	1,259.4	189.5	W 58	S2	230	11	312
✓FAGA109	904,915.4	592,559.0	1,229.5	190.8	W 66	S2	230	11	312
✓FAGA110	904,570.7	592,493.3	1,262.8	198.0	W 60	S2	230	11	312
✓FAGA111	905,191.1	591,991.9	1,315.6	394.1	W 86	S2	230	11	312
✓FAGA112	904,875.7	592,609.4	1,287.2	172.5	W 64	S2	230	11	312
✓FAGA113	905,236.3	592,032.5	1,315.9	474.6	W 86	S2	230	11	312
✓FAGA114	904,469.8	592,423.4	1,259.2	221.6	W 60	S2	230	11	312
✓FAGA115	905,145.2	591,949.7	1,316.2	448.1	W 86	S2	230	11	312
✓FAGA116	904,961.0	592,599.3	1,294.0	181.5	W 66	S2	230	11	312
✓FAGA117	904,734.3	592,401.2	1,275.8	214.3	W 66	S2	230	11	312
✓FAGA118	905,277.1	592,074.0	1,314.6	468.5	W 86	S2	230	11	312
✓FAGA119	904,659.6	592,573.5	1,273.6	172.8	W 60	S2	230	11	312
✓FAGA120	905,322.3	592,113.6	1,313.1	453.2	W 86	S2	230	11	312
✓FAGA121	904,829.6	592,478.0	1,282.5	263.0	W 66	S2	230	11	312
✓FAGA122	904,655.0	592,486.6	1,270.2	232.6	W 62	S2	230	11	312

DRILL HOLE COLLAR DATA (DHC21)

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE	
✓ FAGA123	905,319.3	592,029.7	1,317.9	464.8	W 88	S2	230	11	312	
✓ FAGA124	905,364.6	592,153.1	1,312.4	423.1	W 86	S2	230	11	312	
✓ FAGA125	905,363.6	592,070.9	1,316.9	429.8	W 88	S2	230	11	312	
✓ FAGA126	905,185.5	591,905.8	1,319.9	160.4	W 88	S2	230	11	312	— not logged by CAMC
✓ FAGA127	905,406.1	592,108.5	1,316.2	468.2	W 88	S2	230	11	312	
✓ FAGA128	905,179.0	591,898.9	1,320.4	477.3	W 88	S2	230	11	312	
✓ FAGA129	904,835.1	592,652.4	1,283.2	152.6	W 62	S2	230	11	312	
✓ FAGA130	904,749.1	592,655.9	1,276.8	72.0	W 60	S2	230	11	312	
✓ FAGA131	904,704.6	592,614.7	1,276.4	165.5	W 60	S2	230	11	312	— not logged by CAMC
✓ FAGA132	905,018.9	592,407.1	1,302.6	144.1	W 72	S2	230	11	312	
✓ FAGA133	904,980.2	592,455.5	1,296.8	144.1	W 70	S2	230	11	312	
✓ FAGA134	904,935.0	592,493.9	1,290.6	196.3	W 68	S2	230	11	312	
✓ FAGA135	904,892.7	592,539.3	1,287.1	175.9	W 66	S2	230	11	312	
✓ FAGA136	904,954.8	592,587.2	1,284.7	156.0	W 64	S2	230	11	312	
✓ FAGA137	904,898.9	592,628.0	1,289.6	136.1	W 64	S2	230	11	312	
✓ FAGA138	905,022.8	592,492.6	1,301.4	96.9	W 70	S2	230	11	312	
✓ FAGA139	904,938.2	592,578.8	1,292.3	150.6	W 66	S2	230	11	312	
✓ FAGA140	905,426.3	592,283.6	1,306.7	170.0	W 84	S2	230	11	312	
✓ FAGA141	905,103.4	592,402.7	1,301.7	93.2	W 74	S2	230	11	312	
✓ FAGA142	904,802.5	592,375.2	1,277.5	267.8	W 68	S2	230	11	312	
✓ FAGA143	904,977.1	592,534.5	1,295.7	168.0	W 68	S2	230	11	312	
✓ FAGA144	905,504.6	592,193.8	1,312.5	145.4	W 88	S2	230	11	312	
✓ FAGA145	904,754.2	592,331.0	1,275.4	86.0	W 68	S2	230	11	312	
✓ FAGA146	905,583.5	592,100.4	1,313.2	149.4	W 92	S2	230	11	312	— not logged by CAMC
✓ FAGA147	904,848.1	592,416.6	1,278.2	184.4	W 68	S2	230	11	312	
✓ FAGA148	905,673.8	592,181.9	1,312.2	113.7	W 92	S2	230	11	312	— not logged by CAMC
✓ FAGA149	904,811.5	592,546.6	1,284.6	198.4	W 64	S2	230	11	312	
✓ FAGA150	905,594.3	592,276.3	1,315.8	150.0	W 88	S2	230	11	312	
✓ FAGA151	905,457.2	592,155.3	1,313.1	145.4	W 88	S2	230	11	312	
✓ FAGA152	904,765.0	592,505.2	1,277.3	209.2	W 64	S2	230	11	312	
✓ FAGA153	904,890.9	592,454.8	1,286.6	218.5	W 68	S2	230	11	312	
✓ FAGA154	905,413.1	592,198.2	1,310.7	139.6	W 86	S2	230	11	312	
✓ FAGA155	905,171.5	592,385.9	1,300.4	94.5	W 76	S2	230	11	312	
✓ FAGA156	905,307.6	592,176.4	1,308.8	206.3	W 84	S2	230	11	312	
✓ FAGA157	904,715.7	592,378.1	1,273.9	155.4	W 66	S2	230	11	312	
✓ FAGA158	905,184.5	592,315.7	1,302.0	135.6	W 78	S2	230	11	312	
✓ FAGA159	904,796.9	592,288.5	1,276.8	148.4	W 70	S2	230	11	312	
✓ FAGA160	905,226.7	592,262.5	1,301.7	145.1	W 80	S2	230	11	312	
✓ FAGA161	905,186.2	592,316.0	1,301.9	122.2	W 78	S2	230	11	312	
✓ FAGA162	904,589.5	592,426.9	1,263.7	130.1	W 62	S2	230	11	312	
✓ FAGA163	905,299.6	592,327.3	1,302.1	119.5	W 80	S2	230	11	312	
✓ FAGA164	905,349.9	592,367.9	1,302.2	110.3	W 80	S2	230	11	312	
✓ FAGA200	904,847.9	592,455.5	1,280.5	283.8	W 67	S2	230	11	312	
✓ FAGA201	904,635.3	592,512.1	1,269.0	243.2	W 61	S2	230	11	312	
✓ FAGA202	904,807.8	592,503.6	1,278.8	288.6	W 65	S2	230	11	312	
✓ FAGA203	904,679.0	592,465.0	1,269.6	279.8	W 63	S2	230	11	312	
✓ FAGA204	904,769.8	592,548.2	1,277.9	254.8	W 63	S2	230	11	312	
✓ FAGA205	904,804.8	592,416.4	1,277.3	284.3	W 67	S2	230	11	312	
✓ FAGA206	904,718.6	592,419.6	1,275.3	318.1	W 65	S2	230	11	312	
✓ FAGA207	904,730.1	592,537.2	1,277.2	233.7	W 61	S2	230	11	312	
✓ FAGA208	904,826.9	592,313.9	1,279.1	224.6	W 70	S2	230	11	312	

ADDDI GRUM

DRILL HOLE COLLAR DATA (DHC21)

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
FAGA209	904,682.7	592,550.8	1,274.9	235.0	W 61	S2	230	11	312
FAGA210	904,763.3	592,461.8	1,276.3	127.4	W 65	S2	230	11	312
FAGA211	904,722.8	592,506.7	1,276.7	261.2	W 63	S2	230	11	312
FAGA212	904,768.9	592,446.8	1,276.8	311.1	W 65	S2	230	11	312
FAGA213	904,755.1	592,376.7	1,277.0	307.1	W 67	S2	230	11	312
FAGA214	905,321.7	592,344.8	1,302.0	492.8	W 80	S2	230	11	312
FAGA215	905,057.3	592,358.7	1,302.8	394.3	W 74	S2	230	11	312
FAGA216	904,709.2	592,288.5	1,273.2	429.1	W 68	S2	230	11	312
FAGA217	904,772.2	592,677.5	1,278.0	187.4	W 60	S2	230	11	312
FAGA218	904,619.9	592,618.6	1,271.4	246.1	W 58	S2	230	11	312
FAGA219	904,623.1	592,704.0	1,272.5	252.0	W 56	S2	230	11	312
FAGA220	904,556.7	592,641.0	1,266.2	291.7	W 56	S2	230	11	312
FAGA221	904,596.2	592,597.2	1,268.5	291.7	W 58	S2	230	11	312
FAGA222	904,535.0	592,622.2	1,264.8	291.7	W 56	S2	230	11	312
FAGA223	904,512.6	592,601.9	1,263.2	262.4	W 56	S2	230	11	312
FAGA224	904,552.6	592,557.6	1,264.0	215.5	W 58	S2	230	11	312
FAGA225	904,637.2	592,553.5	1,270.3	217.9	W 60	S2	230	11	312
FAGA226	904,497.2	592,752.8	1,262.8	217.9	W 52	S2	230	11	312
FAGA227	905,275.0	592,303.5	1,301.3	205.1	W 80	S2	230	11	312
FAGA228	905,332.1	592,286.3	1,303.2	194.8	W 82	S2	230	11	312
FAGA229	905,377.2	592,327.0	1,304.0	159.5	W 82	S2	230	11	312
FAGA230	905,394.9	592,262.3	1,307.0	221.6	W 84	S2	230	11	312
FAGA231	905,457.5	592,240.4	1,308.9	185.9	W 86	S2	230	11	312
FAGA232	905,435.2	592,217.7	1,310.0	206.3	W 86	S2	230	11	312
FAGA233	905,371.6	592,242.4	1,306.9	197.8	W 84	S2	230	11	312
FAGA234	905,353.1	592,307.8	1,303.0	165.0	W 82	S2	230	11	312
FAGA235	905,308.9	592,266.6	1,303.2	175.8	W 82	S2	230	11	312
FAGA236	905,266.9	592,225.9	1,304.0	439.2	W 82	S2	230	11	312
FAGA237	905,328.5	592,198.5	1,308.2	215.5	W 84	S2	230	11	312
FAGA238	905,227.0	592,355.1	1,300.7	132.0	W 78	S2	230	11	312
FAGA239	905,193.4	592,405.4	1,299.7	109.1	W 76	S2	230	11	312
FAGA240	904,931.7	592,408.7	1,289.5	111.3	W 70	S2	230	11	312
FAGA241	904,846.8	592,497.7	1,284.8	161.8	W 66	S2	230	11	312
FAGACL1	905,058.3	592,714.1	1,300.0	99.7	W 66	S2	230	11	312
FAGACL2	905,260.8	592,139.7	1,309.8	111.8	W 84	S2	230	11	312
FAGAOL3	904,904.8	592,056.6	1,296.0	102.7	W 78	S2	230	11	312
FAGACL4	904,474.8	592,423.4	1,259.6	61.6	W 60	S2	230	11	312
FAGUC01	904,987.4	592,385.1	1,144.0	62.5	W 72	S2	230	11	312
FAGUC02	904,988.6	592,384.9	1,144.0	50.2	W 72	S2	230	11	312
FAGUC03	904,924.3	592,323.8	1,144.7	82.2	W 72	S2	230	11	312
FAGUC04	904,927.5	592,326.6	1,145.0	53.3	W 72	S2	230	11	312
FAGUC05	904,927.7	592,327.3	1,141.0	99.0	W 72	S2	230	11	312
FAGUC06	904,927.2	592,327.6	1,145.0	36.6	W 72	S2	230	11	312
FAGUC07	904,954.5	592,347.1	1,141.2	73.2	W 72	S2	230	11	312
FAGUC08	904,954.5	592,347.1	1,145.3	50.2	W 72	S2	230	11	312
FAGUC09	904,973.9	592,365.6	1,141.4	64.0	W 72	S2	230	11	312
FAGUC10	904,973.9	592,365.6	1,145.3	64.0	W 72	S2	230	11	312
FAGUC11	904,990.4	592,387.8	1,143.1	24.3	W 72	S2	230	11	312
FAGUC12	904,892.4	592,296.5	1,142.3	79.7	W 72	S2	230	11	312
FAGUC13	904,891.9	592,296.1	1,142.3	182.9	W 72	S2	230	11	312
FAGUC14	904,891.3	592,298.6	1,147.1	51.8	W 72	S2	230	11	312

1979 Geotechnical DDH

GRUM Deposit Underground DDH

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
FAGU015	904,908.7	592,226.9	1,155.6	185.9	W 74	S2	230	11	312
FAGU016	904,934.6	592,334.6	1,141.2	106.7	W 72	S2	230	11	312
FAGU017	904,934.7	592,334.4	1,141.2	125.0	W 72	S2	230	11	312
FAGU018	904,892.5	592,296.5	1,142.4	88.4	W 72	S2	230	11	312
FAGU019	904,890.4	592,294.7	1,144.7	59.4	W 72	S2	230	11	312
FAGU020	904,891.5	592,295.7	1,142.3	74.7	W 72	S2	230	11	312
FAGU021	904,924.0	592,323.8	1,145.0	76.2	W 72	S2	230	11	312
FAGU022	904,927.5	592,327.0	1,141.1	59.0	W 72	S2	230	11	312
FAGU023	904,928.1	592,327.9	1,141.1	70.0	W 72	S2	230	11	312
FAGU024	904,934.2	592,335.3	1,144.6	59.4	W 72	S2	230	11	312
FAGU025	904,934.2	592,335.3	1,144.6	114.3	W 72	S2	230	11	312
FAGU026	904,986.3	592,382.5	1,146.2	76.2	W 72	S2	230	11	312
FAGU027	904,990.0	592,367.0	1,146.8	106.1	W 72	S2	230	11	312
FAGU028	904,913.5	592,234.2	1,155.9	64.0	W 74	S2	230	11	312
FAGU029	904,913.9	592,233.9	1,156.6	68.5	W 74	S2	230	11	312
FAGU030	904,913.8	592,233.7	1,159.0	36.6	W 74	S2	230	11	312
FAGU031	904,907.6	592,230.7	1,156.2	61.0	W 74	S2	230	11	312 — not logged by CAMC
FAGU032	904,907.7	592,228.3	1,155.8	121.9	W 74	S2	230	11	312
FAGU033	904,905.1	592,225.9	1,158.8	21.8	W 74	S2	230	11	312
FAGU034	904,973.6	592,282.9	1,134.0	126.5	W 74	S2	230	11	312
FAGU035	904,974.1	592,283.2	1,134.0	147.8	W 74	S2	230	11	312
FAGU036	904,838.2	592,376.2	1,157.3	19.8	W 69	S2	230	11	312
FAGU037	904,839.5	592,377.0	1,157.1	53.3	W 69	S2	230	11	312
FAGU038	904,838.8	592,376.6	1,157.2	85.2	W 69	S2	230	11	312
FAGU039	904,973.3	592,282.2	1,134.0	110.3	W 74	S2	230	11	312
FAGU040	904,973.1	592,282.1	1,134.0	108.8	W 74	S2	230	11	312
FAGU041	904,975.2	592,284.4	1,134.0	97.5	W 74	S2	230	11	312
FAGU042	904,973.8	592,283.9	1,138.0	53.3	W 74	S2	230	11	312
FAGU043	904,973.3	592,283.3	1,138.1	45.7	W 74	S2	230	11	312
FAGU044	904,973.8	592,281.1	1,138.2	45.7	W 74	S2	230	11	312
FAGU045	905,038.6	592,339.0	1,132.6	62.5	W 74	S2	230	11	312
FAGU046	905,038.6	592,339.0	1,132.6	83.7	W 74	S2	230	11	312
FAGU047	905,038.6	592,339.0	1,132.6	80.7	W 74	S2	230	11	312
FAGU048	905,034.2	592,337.4	1,132.7	120.7	W 74	S2	230	11	312
FAGU049	905,033.4	592,335.2	1,133.9	82.2	W 74	S2	230	11	312
FAGU050	905,033.1	592,336.0	1,133.9	91.4	W 74	S2	230	11	312 — not logged by CAMC
FAGU051	905,033.5	592,335.1	1,135.4	70.0	W 74	S2	230	11	312
FAGU052	905,033.9	592,335.3	1,136.7	57.9	W 74	S2	230	11	312
FAGU053	905,034.6	592,335.8	1,136.9	60.9	W 74	S2	230	11	312
FAGU054	905,037.0	592,337.4	1,137.5	150.9	W 74	S2	230	11	312
FAGU055	905,033.5	592,335.3	1,134.4	36.4	W 74	S2	230	11	312
FAGU056	905,033.5	592,335.3	1,135.5	61.0	W 74	S2	230	11	312
FAGU057	905,033.4	592,335.2	1,133.2	53.3	W 74	S2	230	11	312
FAGU058	905,002.4	592,227.5	1,125.7	106.7	W 76	S2	230	11	312
FAGU059	905,002.7	592,227.9	1,124.8	127.2	W 76	S2	230	11	312
FAGU060	905,003.9	592,228.8	1,124.4	122.0	W 76	S2	230	11	312
FAGU061	905,003.7	592,228.6	1,124.4	120.5	W 76	S2	230	11	312
FAGU062	905,002.6	592,227.8	1,125.0	109.7	W 76	S2	230	11	312
FAGU063	905,002.6	592,227.8	1,126.8	106.6	W 76	S2	230	11	312
FAGU064	905,004.1	592,230.0	1,128.2	57.9	W 76	S2	230	11	312
FAGU065	905,004.2	592,228.9	1,128.4	59.4	W 76	S2	230	11	312

PORT HOLE COLLAR DATA (DHC21)

ID	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
FAGUC66	905,002.3	592,229.4	1,126.3	99.0	W 76	S2	230	11	312
FAGUC67	905,046.1	592,185.5	1,116.0	76.2	W 78	S2	230	11	312
FAGUC68	905,045.2	592,185.3	1,117.2	53.3	W 78	S2	230	11	312
FAGUC69	905,046.4	592,186.2	1,119.6	38.1	W 78	S2	230	11	312
FAGUC70	905,047.5	592,187.1	1,119.4	39.6	W 78	S2	230	11	312
FAGUC71	905,047.8	592,187.3	1,119.3	45.7	W 78	S2	230	11	312
FAGUC72	905,046.2	592,186.8	1,114.0	137.3	W 78	S2	230	11	312
FAGUC73	905,044.5	592,186.6	1,115.4	121.9	W 78	S2	230	11	312
FAGUC74	904,809.5	592,427.3	1,164.3	107.9	W 67	S2	230	11	312
FAGUC75	905,045.9	592,187.2	1,114.0	170.5	W 78	S2	50	11	312
FAGUC76	904,807.9	592,426.6	1,164.3	65.5	W 67	S2	230	11	312
FAGUC77	905,047.9	592,188.1	1,114.3	167.5	W 78	S2	50	11	312
FAGUC78	904,809.0	592,427.9	1,164.4	106.7	W 67	S2	230	11	312
FAGUC79	905,045.3	592,186.2	1,114.5	97.5	W 78	S2	50	11	312
FAGUC80	904,985.3	592,381.4	1,144.2	76.2	W 67	S2	230	11	312
FAGUC81	905,040.5	592,262.3	1,127.2	38.1	W 76	S2	230	11	312
FAGUC82	904,984.8	592,380.4	1,144.1	45.7	W 72	S2	230	11	312
FAGUC83	905,040.7	592,262.7	1,131.5	38.1	W 76	S2	230	11	312
FAGUC84	904,989.3	592,380.9	1,142.6	76.2	W 72	S2	230	11	312
FAGUC85	905,039.6	592,262.1	1,131.6	44.2	W 76	S2	230	11	312
FAGUC86	904,991.3	592,386.5	1,143.4	94.5	W 72	S2	230	11	312
FAGUC87	905,038.7	592,260.3	1,127.2	61.0	W 76	S2	230	11	312
FAGUC88	904,960.5	592,427.3	1,145.4	65.2	W 70	S2	230	11	312
FAGUC89	905,025.9	592,251.3	1,130.7	38.1	W 76	S2	230	11	312
FAGUC90	904,962.9	592,427.5	1,145.4	79.2	W 70	S2	230	11	312
FAGUC91	905,132.2	592,261.0	1,114.7	97.5	W 78	S2	230	11	312
FAGUC92	904,959.4	592,424.5	1,146.4	73.2	W 70	S2	230	11	312
FAGUC93	905,131.0	592,262.3	1,116.3	76.2	W 78	S2	50	11	312
FAGUC94	905,168.2	592,066.8	1,089.2	26.2	W 84	S2	230	11	312
FAGUC95	905,132.0	592,262.0	1,113.9	121.9	W 78	S2	230	11	312
FAGUC96	904,959.5	592,424.9	1,147.4	121.9	W 70	S2	230	11	312
FAGUC97	905,131.7	592,262.1	1,114.1	62.5	W 78	S2	50	11	312
FAGUC98	904,959.2	592,425.8	1,145.5	52.1	W 70	S2	230	11	312
FAGUC99	905,141.0	592,272.4	1,113.8	184.5	W 78	S2	50	11	312
FAGUC100	904,958.8	592,425.7	1,148.4	121.9	W 70	S2	230	11	312
FAGUC101	905,142.3	592,272.6	1,113.3	175.3	W 78	S2	230	11	312
FAGUC102	904,959.7	592,425.9	1,150.0	47.2	W 70	S2	230	11	312
FAGUC103	905,142.1	592,272.9	1,113.8	129.5	W 78	S2	230	11	312
FAGUC104	904,961.4	592,427.3	1,150.0	31.4	W 70	S2	230	11	312
FAGUC105	905,143.2	592,274.5	1,115.1	38.1	W 78	S2	230	11	312
FAGUC106	904,962.3	592,428.5	1,146.6	137.1	W 70	S2	230	11	312
FAGUC107	905,142.3	592,272.6	1,117.0	70.0	W 78	S2	230	11	312
FAGUC108	904,961.6	592,429.0	1,145.6	72.5	W 70	S2	230	11	312
FAGUC109	905,142.6	592,274.4	1,117.5	116.7	W 78	S2	230	11	312
FAGUC110	905,101.6	592,317.6	1,122.4	90.7	W 76	S2	230	11	312
FAGUC111	904,959.2	592,425.8	1,145.5	122.8	W 70	S2	230	11	312
FAGUC112	905,100.5	592,316.6	1,122.4	45.7	W 76	S2	230	11	312
FAGUC113	904,961.1	592,428.1	1,146.0	102.7	W 70	S2	230	11	312
FAGUC114	905,098.9	592,315.4	1,123.6	45.7	W 76	S2	230	11	312
FAGUC115	904,959.3	592,427.0	1,145.4	74.0	W 70	S2	230	11	312
FAGUC116	905,098.8	592,315.4	1,125.8	68.5	W 76	S2	230	11	312

not logged by CAMC

not logged by CAMC

17 APR 74 GRUM

## DRILL HOLE COLLAR DATA (DHC21)

GDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
FAGU117	905,040.2	592,343.4	1,133.1	61.0	W 74	S2	230	11	312
FAGU118	905,099.7	592,316.8	1,127.6	76.2	W 76	S2	230	11	312
FAGU119	904,864.0	592,347.5	1,150.0	103.6	W 70	S2	230	11	312
FAGU120	905,102.8	592,318.6	1,123.6	61.0	W 76	S2	230	11	312
FAGU121	904,863.0	592,346.6	1,150.0	65.5	W 70	S2	230	11	312
FAGU122	905,102.7	592,318.5	1,122.4	91.4	W 76	S2	230	11	312
FAGU123	904,865.9	592,349.5	1,150.0	118.9	W 70	S2	230	11	312
FAGU124	905,069.7	592,288.8	1,127.4	91.4	W 76	S2	230	11	312
FAGU125	904,958.6	592,425.8	1,146.0	92.2	W 70	S2	230	11	312
FAGU126	905,068.7	592,288.2	1,127.4	144.8	W 76	S2	230	11	312
FAGU127	904,866.2	592,349.6	1,151.2	45.7	W 70	S2	230	11	312
FAGU128	905,069.5	592,289.1	1,127.4	83.7	W 76	S2	230	11	312
FAGU129	905,055.9	592,276.3	1,127.0	142.3	W 76	S2	230	11	312
FAGU130	905,069.1	592,238.4	1,132.1	45.7	W 76	S2	230	11	312
FAGU131	904,863.0	592,346.8	1,151.2	45.7	W 70	S2	230	11	312
FAGU132	905,102.4	592,318.9	1,127.4	134.1	W 76	S2	230	11	312
FAGU133	904,865.6	592,349.3	1,149.9	126.5	W 70	S2	230	11	312
FAGU134	905,013.2	592,237.1	1,123.5	99.0	W 76	S2	230	11	312
FAGU135	905,182.9	592,228.6	1,103.4	190.5	W 80	S2	230	11	312
FAGU136	904,863.8	592,347.6	1,152.9	76.2	W 70	S2	230	11	312
FAGU137	904,866.3	592,348.2	1,153.4	61.0	W 70	S2	230	11	312
FAGU138	905,012.8	592,237.3	1,123.3	122.2	W 76	S2	230	11	312
FAGU139	904,865.0	592,347.8	1,153.4	76.2	W 70	S2	230	11	312
FAGU140	905,183.0	592,228.7	1,103.4	123.4	W 80	S2	230	11	312
FAGU141	904,787.4	592,442.5	1,167.8	96.2	W 66	S2	230	11	312
FAGU142	905,180.9	592,226.2	1,103.7	152.4	W 80	S2	230	11	312
FAGU143	904,790.7	592,445.9	1,166.9	132.6	W 66	S2	230	11	312
FAGU144	905,183.2	592,229.3	1,106.9	73.2	W 80	S2	230	11	312
FAGU145	904,791.1	592,445.3	1,167.9	121.9	W 66	S2	230	11	312
FAGU146	905,181.9	592,227.9	1,108.1	73.7	W 80	S2	230	11	312
FAGU147	904,788.0	592,443.1	1,170.2	76.2	W 66	S2	230	11	312
FAGU148	905,052.5	592,191.7	1,114.3	68.5	W 78	S2	50	11	312
FAGU149	905,143.1	592,191.8	1,106.3	182.9	W 80	S2	230	11	312
FAGU150	905,062.4	592,136.0	1,105.0	152.4	W 80	S2	230	11	312
FAGU151	905,081.3	592,134.2	1,108.2	76.2	W 80	S2	230	11	312
FAGU152	905,142.7	592,191.5	1,111.0	61.0	W 80	S2	230	11	312
FAGU153	905,081.1	592,134.4	1,105.6	61.0	W 80	S2	230	11	312
FAGU154	905,100.1	592,155.5	1,109.4	61.0	W 80	S2	230	11	312
FAGU155	904,788.5	592,443.3	1,166.8	61.0	W 66	S2	230	11	312
FAGU156	905,100.1	592,155.4	1,105.6	76.2	W 80	S2	230	11	312
FAGU157	904,789.1	592,443.8	1,166.8	132.6	W 66	S2	230	11	312
FAGU158	905,131.9	592,099.0	1,097.7	74.3	W 82	S2	230	11	312
FAGU159	904,789.1	592,445.3	1,170.9	76.2	W 66	S2	230	11	312
FAGU160	905,131.3	592,098.6	1,095.3	73.2	W 82	S2	230	11	312
FAGU161	904,787.2	592,442.6	1,166.8	59.4	W 66	S2	230	11	312
FAGU162	905,131.5	592,099.0	1,094.4	153.9	W 82	S2	230	11	312
FAGU163	904,740.0	592,481.2	1,174.9	112.0	W 64	S2	230	11	312
FAGU164	905,132.6	592,099.6	1,099.2	50.0	W 82	S2	230	11	312
FAGU165	904,740.3	592,481.2	1,174.3	53.3	W 64	S2	230	11	312
FAGU166	905,223.5	592,182.4	1,094.9	182.9	W 82	S2	230	11	312
FAGU167	904,740.3	592,481.4	1,176.9	61.8	W 64	S2	230	11	312

DRILL HOLE COLLAR DATA (OH021)

DDH	UTM-N	UTM-E	UTM-ELEV	TOTAL DEPTH	SECTION	RFE	DIR	PLUNGE	ANGLE
FAGU168	905,221.3	592,182.3	1,094.9	166.5	W 82	S2	230	11	312
FAGU169	904,697.0	592,522.8	1,182.5	45.7	W 62	S2	230	11	312
FAGU170	905,222.9	592,099.4	1,089.2	96.2	W 84	S2	230	11	312
FAGU171	904,693.6	592,519.8	1,182.3	30.5	W 62	S2	230	11	312
FAGU172	905,220.7	592,181.9	1,095.2	121.9	W 82	S2	230	11	312
FAGU173	904,693.9	592,520.2	1,182.2	57.9	W 62	S2	230	11	312
FAGU174	905,223.8	592,182.4	1,098.7	28.0	W 82	S2	230	11	312
FAGU175	904,696.7	592,522.7	1,181.7	58.3	W 62	S2	230	11	312
FAGU176	905,254.8	592,131.7	1,090.1	170.0	W 84	S2	230	11	312
FAGU177	904,696.6	592,522.5	1,184.5	65.5	W 62	S2	230	11	312
FAGU178	905,255.0	592,132.2	1,094.3	79.5	W 84	S2	230	11	312
FAGU179	904,694.7	592,520.5	1,185.1	51.8	W 62	S2	230	11	312
FAGU180	905,222.8	592,099.5	1,093.4	30.5	W 84	S2	230	11	312
FAGU181	904,832.2	592,401.6	1,161.4	68.5	W 68	S2	230	11	312
FAGU182	905,181.6	592,069.5	1,088.2	153.6	W 84	S2	230	11	312
FAGU183	904,832.2	592,401.5	1,160.6	76.2	W 68	S2	230	11	312
FAGU184	905,178.7	592,066.1	1,088.2	167.5	W 84	S2	230	11	312
FAGU185	904,810.7	592,422.4	1,164.8	91.4	W 67	S2	230	11	312
FAGU186	905,180.7	592,067.9	1,092.5	61.0	W 84	S2	230	11	312
FAGU187	904,811.2	592,422.1	1,164.2	91.4	W 67	S2	230	11	312
FAGU188	905,135.0	592,102.4	1,095.6	83.7	W 82	S2	230	11	312
FAGU189	904,814.4	592,425.4	1,164.2	123.4	W 67	S2	230	11	312
FAGU190	905,133.9	592,101.2	1,094.4	106.7	W 82	S2	230	11	312
FAGU191	904,812.5	592,423.8	1,168.3	61.0	W 67	S2	230	11	312
FAGU192	904,991.4	592,259.1	1,129.6	121.9	W 75	S2	230	11	312
FAGU193	904,842.0	592,368.7	1,155.6	76.2	W 69	S2	230	11	312
FAGU194	904,990.8	592,258.4	1,130.9	128.0	W 75	S2	230	11	312
FAGU195	904,845.3	592,372.1	1,155.7	91.4	W 69	S2	230	11	312
FAGU196	904,989.9	592,257.5	1,129.6	129.5	W 75	S2	230	11	312
FAGU197	904,842.8	592,369.5	1,158.2	35.1	W 69	S2	230	11	312
FAGU198	904,912.1	592,165.0	1,162.2	153.9	W 75	S2	230	11	312
FAGU199	904,884.3	592,325.6	1,146.4	132.6	W 71	S2	230	11	312
FAGU200	904,880.6	592,336.5	1,147.6	45.7	W 71	S2	230	11	312
FAGU201	904,926.2	592,329.6	1,142.2	54.9	W 72	S2	230	11	312
FAGU202	904,926.2	592,329.7	1,142.2	45.7	W 72	S2	230	11	312
FAGU203	904,933.5	592,335.2	1,142.2	73.2	W 72	S2	230	11	312
FAGU204	904,976.7	592,409.3	1,144.2	36.6	W 71	S2	230	11	312
FAGU205	904,979.7	592,410.2	1,144.9	106.7	W 71	S2	230	11	312
FAGU206	904,975.9	592,409.7	1,149.0	106.7	W 71	S2	230	11	312
FAGU207	905,019.5	592,366.3	1,139.8	45.7	W 73	S2	230	11	312
FAGU208	905,018.6	592,365.9	1,138.7	140.1	W 73	S2	230	11	312
FAGU209	905,018.4	592,365.0	1,138.6	99.0	W 73	S2	230	11	312
FAGU210	905,017.3	592,363.7	1,138.5	120.4	W 73	S2	230	11	312
FAGU211	904,949.4	592,302.5	1,138.9	114.3	W 73	S2	230	11	312
FAGU212	904,950.4	592,303.1	1,138.9	70.2	W 73	S2	230	11	312
FAGU213	904,951.3	592,304.3	1,138.9	121.9	W 73	S2	230	11	312
FAGU214	905,067.8	592,328.3	1,128.5	30.5	W 75	S2	230	11	312
FAGU215	905,066.4	592,327.0	1,127.3	138.6	W 75	S2	230	11	312
FAGU216	905,065.5	592,324.6	1,127.4	138.6	W 75	S2	230	11	312
FAGU217	904,910.8	592,163.4	1,162.2	123.6	W 76	S2	230	11	312
FAGU218	905,156.6	592,071.3	1,089.9	45.7	W 83	S2	230	11	312

— not logged by CAMC  
 — not logged by CAMC  
 — not logged by CAMC

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
4567506	.0	180.0	.0
	61.0	175.5	32.0
	121.9	166.0	93.0
Calculated from FAGA 092			
4567507	.0	180.0	.0
	61.0	175.5	32.0
	121.9	166.0	93.0
	182.9	160.0	85.0
	262.1	155.0	83.0
Calculated from FAGA 092			
4567509	.0	180.0	.0
	182.9	174.0	138.0
	304.8	167.0	135.0
	524.3	177.0	142.0
Add Azimuths from FAGA 084			
EA65T01	.0	180.0	.0
EA65T02	.0	180.0	.0
EA65T03	.0	180.0	.0
EA65T04	.0	180.0	.0
EA71034	.0	180.0	.0
EA71035	.0	180.0	.0
EA71036	.0	180.0	.0
EA71037	.0	180.0	.0
EA71040	.0	180.0	.0
EA71162	.0	180.0	.0
EA71163	.0	180.0	.0
EA71165	.0	180.0	.0
EA71166	.0	180.0	.0
EA71167	.0	180.0	.0
EA71168	.0	180.0	.0
EA71169	.0	180.0	.0
EA71173	.0	180.0	.0
EA71174	.0	180.0	.0

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
EA71179	.0	180.0	.0
EA71180	.0	180.0	.0
EA71200	.0	180.0	.0
EA71201	.0	180.0	.0
EA76X11	.0	180.0	.0
	22.3	178.8	99.0
	113.7	171.8	58.0
	189.9	165.0	55.0
	266.1	160.8	50.0
	342.3	161.0	55.0
	418.5	164.0	60.0
	498.7	157.5	38.0
	574.9	157.3	40.0
	651.1	158.8	41.0
	727.3	158.2	43.0
EA79T01	.0	180.0	.0
FA80C51	.0	180.0	.0
FA80C52	.0	180.0	.0
FA80C53	.0	180.0	.0
FA80C54	.0	180.0	.0
FA80C55	.0	180.0	.0
FA80C56	.0	180.0	.0
FA80C57	.0	180.0	.0
FA80C58	.0	180.0	.0
FA80C59	.0	180.0	.0
FA8CC60	.0	180.0	.0
FA80C61	.0	180.0	.0
FA80C62	.0	180.0	.0
FA81AX1	.0	180.0	.0
	68.9	166.0	28.0
	117.6	174.2	58.0
	178.6	170.0	61.0
	239.6	172.5	54.0

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(CEG)
FAB1AX1	300.5	170.0	35.0
FAGA001	.0	180.0	.0
	64.0	180.0	.0
	91.4	176.8	84.0
	152.4	173.5	37.0
	213.4	174.5	43.0
	259.1	173.2	321.0
FAGA004	.0	180.0	.0
	64.0	180.0	.0
	91.4	176.8	84.0
	152.4	173.5	37.0
	213.4	174.5	43.0
	259.1	173.2	321.0
FAGA005	.0	180.0	.0
	48.5	179.0	85.0
	69.8	179.0	36.0
	83.5	177.9	88.0
	107.9	176.9	69.8
	138.4	175.3	46.3
FAGA006	.0	180.0	.0
	61.6	177.3	144.6
	122.5	176.0	129.5
FAGA008	.0	180.0	.0
	61.0	173.5	128.0
	152.4	167.5	133.5
	189.0	164.9	139.0
FAGA009	.0	180.0	.0
	61.0	175.9	137.0
	121.9	170.2	123.0
	182.9	168.8	114.0
	219.5	170.0	93.0
FAGA010	.0	180.0	.0
	61.0	175.2	69.0
	121.9	172.8	78.0
	182.9	174.5	74.0
	243.8	177.8	140.0
FAGA011	.0	180.0	.0
	61.0	175.3	67.0
	121.9	172.2	74.0
	182.9	171.7	53.0
	237.7	170.0	83.0
FAGA012	.0	180.0	.0

Calculated from FAGA 004

Sperry Sun

Calculated from FAGA 053 &amp; FAGA 004

Calculated from FAGA 080

Calculated from FAGA 093 &amp; FAGA 124

Sperry Sun

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH( DEG)	AZIMUTH( DEG)
FAGA012	61.0	173.4	124.0
	121.9	171.3	108.0
	182.9	171.0	100.0
	234.7	167.1	108.5
	289.6	169.4	123.5
	344.4	171.4	148.5
Calculated from FAGA 022 & FAGA 113			
FAGA013	.0	180.0	.0
	48.8	176.8	54.0
	109.7	170.8	88.0
	164.6	167.6	93.0
Sperry Sun			
FAGA014	.0	180.0	.0
	64.0	180.0	.0
	91.4	176.8	84.0
	152.4	173.5	37.0
	213.4	174.5	43.0
	259.1	173.2	321.0
Calculated from FAGA 004			
FAGA015	.0	180.0	.0
	61.0	174.1	122.0
	121.9	165.8	135.0
	182.9	162.1	162.0
	243.8	163.0	173.0
Calculated from FAGA 127			
FAGA016	.0	180.0	.0
	61.0	175.0	140.0
	121.9	168.4	144.0
	182.9	162.7	150.0
	243.8	158.0	159.0
	304.5	161.5	146.5
Calculated from 2 FAGA 064 & FAGA 127			
FAGA017	.0	180.0	.0
	61.6	175.0	111.5
	122.5	172.0	71.9
	183.5	168.0	60.5
	244.5	163.0	59.5
Calculated from FAGA 074			
FAGA018	.0	180.0	.0
	30.5	174.6	113.0
	91.4	171.0	98.0
	213.4	167.9	138.0
	274.3	167.0	135.0
	329.2	164.7	123.0
	438.9	167.0	95.0
Sperry Sun			
FAGA019	.0	180.0	.0
	70.2	176.9	118.5
	97.6	174.9	98.9
	154.7	172.4	98.0
	200.5	173.0	118.0
Calculated from FAGA 060 & FAGA 021			

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
FAGA019	212.6	172.5	112.C
FAGA020	.0	180.0	.C
	30.5	179.0	65.C
	91.4	180.0	.0
	152.4	172.0	66.5
	225.6	174.0	119.0
	286.5	170.0	52.C
	365.8	172.0	68.5
FAGA021	.0	180.0	.0
	61.0	178.7	158.0
	115.8	174.8	118.0
	207.3	175.9	158.0
FAGA022	.0	180.0	.0
	61.0	172.4	118.C
	121.9	171.6	103.0
	182.9	171.0	102.C
	243.8	166.3	104.0
	353.6	170.2	154.C
FAGA023	.0	180.0	.C
	51.8	178.0	283.C
	91.4	179.7	133.0
	146.3	179.2	113.0
FAGA024	.0	180.0	.0
	61.0	175.0	54.0
	121.9	174.3	88.C
	182.9	172.0	65.0
	256.0	176.8	78.0
FAGA025	.0	180.0	.C
	61.0	174.1	122.0
	121.9	165.8	135.C
	182.9	162.1	162.0
	243.8	163.0	173.0
	304.8	167.0	158.C
FAGA026	.0	180.0	.0
	121.9	179.0	72.0
	207.3	177.0	81.0
	243.8	178.0	92.C
	273.4	178.0	92.C
FAGA027	.0	180.0	.C
	61.0	176.0	113.C
	121.9	172.5	84.0
	182.9	174.0	96.C
	243.8	174.7	134.C

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Calculated from FAGA 127

Tropart

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
FAGA027	303.9	172.0	223.C
FAGA028	.0	180.0	.C
	85.3	175.4	49.C
	115.8	176.0	95.0
	195.1	166.0	86.C
	243.8	165.0	74.C
FAGA029	.0	180.0	.C
	61.0	175.9	158.0
	121.9	171.0	153.0
	182.9	163.2	138.0
	243.8	153.0	145.C
	304.8	156.0	135.C
	350.5	161.3	142.2
FAGA030	.0	180.0	.C
	61.0	171.2	123.0
	121.9	166.1	111.C
	182.9	171.9	97.C
	262.1	174.0	122.0
FAGA031	.0	180.0	.C
	61.0	176.3	112.5
	118.9	168.4	65.0
	170.7	164.5	61.5
FAGA032	.0	180.0	.C
	61.0	176.0	45.C
	121.9	177.0	103.0
	182.9	178.0	48.0
	243.8	174.6	54.C
	353.6	176.4	94.C
FAGA033	.0	180.0	.C
	61.0	178.5	96.5
	121.9	172.5	59.0
	176.8	170.3	54.3
FAGA034	.0	180.0	.C
	61.0	175.9	158.C
	121.9	171.0	153.0
	182.9	163.2	138.0
	243.8	153.0	145.0
FAGA035	.0	180.0	.C
	61.0	176.0	45.C
	121.9	177.0	103.0
	182.9	178.0	43.0
	243.8	174.6	64.C
	353.6	176.4	94.0

Sperry Sun

Calculated from FAGA 064

Sperry Sun

Calculated from FAGA 110 &amp; FAGA 118

Sperry Sun

Calculated from FAGA 110 &amp; FAGA 108

Calculated from FAGA 064

Calculated from FAGA 032

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)
FAGA037	.0	180.0	.0
	61.0	179.0	40.0
	121.9	176.0	51.0
			Calculated from FAGA 108
FAGA038	.0	180.0	.0
	61.0	176.0	45.0
	121.9	177.0	103.0
	182.9	178.0	43.0
	243.8	174.6	64.0
353.6	176.4	94.0	
			Calculated from FAGA 032
FAGA039	.0	180.0	.0
	61.0	179.5	40.0
	115.8	175.5	53.3
	170.7	174.5	44.5
	195.1	171.5	27.3
			Calculated from FAGA 108 & 114
FAGA041	.0	180.0	.0
	61.0	176.0	45.0
	121.9	177.0	103.0
	182.9	178.0	43.0
	243.8	174.6	64.0
353.6	176.4	94.0	
			Calculated from FAGA 032
FAGA042	.0	180.0	.0
	61.0	179.5	40.0
	115.8	175.5	53.3
			Calculated from FAGA 108 & 114
FAGA045	.0	180.0	.0
	61.0	179.0	33.0
	121.9	176.0	61.0
	195.1	176.8	93.0
			Sperry Sun
FAGA046	.0	180.0	.0
	61.0	179.5	40.0
			Calculated from FAGA 108 & FAGA 114
FAGA049	.0	180.0	.0
FAGA050	.0	180.0	.0
	61.0	179.5	40.0
	115.8	175.5	53.3
	170.7	174.5	44.5
	195.1	171.5	27.3
			Calculated from FAGA 108 & FAGA 114
FAGA051	.0	180.0	.0
	61.0	173.7	87.0
	91.4	173.3	77.5
	152.4	171.3	101.0
	182.9	172.5	95.0
	243.8	169.3	104.0
	329.2	169.4	128.5
			Calculated from FAGA 022 & FAGA 115

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA051	359.7	169.4	127.5	
FAGA052	.0	180.0	.0	
	61.0	179.5	33.C	
	121.9	175.7	68.C	Sperry Sun
	182.9	169.0	84.C	
	237.7	164.0	83.C	
FAGA053	.0	180.0	.0	
	32.9	178.0	85.0	Tropari
	75.6	179.0	92.C	
	124.4	177.0	55.5	
FAGA054	.0	180.0	.0	
	61.0	179.5	40.0	Calculated from FAGA 108 & FAGA 114
	115.8	175.5	53.3	
FAGA055	.0	180.0	.0	
	61.0	173.9	68.0	Sperry Sun
	121.9	168.0	63.C	
	195.1	165.5	58.C	
FAGA056	.0	180.0	.0	
	61.0	179.8	165.C	
	121.9	171.5	128.0	Sperry Sun
	182.9	171.0	116.C	
	243.8	173.0	163.0	
FAGA057	.0	180.0	.0	
	61.0	175.9	158.0	
	121.9	171.0	153.C	
	182.9	163.2	138.0	Calculated from FAGA 064
	243.8	153.0	145.C	
	304.8	156.0	135.0	
	350.5	161.3	142.2	
FAGA058	.0	180.0	.0	
	73.2	177.0	53.C	Tropari
	121.9	173.0	54.0	
	170.7	169.0	54.C	
FAGA059	.0	180.0	.0	
	61.0	175.0	92.C	
	121.9	174.0	101.C	
	182.9	172.0	113.C	Sperry Sun
	243.8	165.5	103.C	
	304.8	167.0	135.C	
	365.8	170.0	173.C	
FAGA060	.0	180.0	.0	
	79.2	175.0	79.0	Tropari

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)	
FAGA06C	126.5	172.0	76.0	Troparl
	193.5	170.0	78.0	
	217.9	169.0	66.0	
FAGA061	.0	180.0	.0	Calculated from FAGA 069 & FAGA 123
	45.7	173.5	105.0	
	76.2	173.0	100.5	
	106.7	172.5	105.0	
	137.2	173.6	115.5	
	167.6	172.6	121.5	
	198.1	172.2	107.5	
	228.6	168.9	102.5	
259.1	169.4	105.5		
FAGA062	.0	180.0	.0	Sperry Sun
	61.0	176.5	122.0	
	121.9	170.0	106.0	
	182.9	169.0	114.0	
	225.6	163.0	101.0	
FAGA063	.0	180.0	.0	Calculated from FAGA 108 & FAGA 105 & FAGA 110
	61.0	178.3	128.7	
	121.9	174.6	72.0	
	176.8	173.2	55.8	
FAGA064	.0	180.0	.0	Sperry Sun
	61.0	175.9	158.0	
	121.9	171.0	153.0	
	182.9	163.2	138.0	
	243.8	153.0	145.0	
	304.8	156.0	135.0	
	350.5	161.3	142.2	
FAGA065	.0	180.0	.0	Troparl
	167.6	175.0	157.0	
FAGA066	.0	180.0	.0	Troparl
	57.9	178.0	110.3	
	115.8	178.0	94.0	
	176.8	170.0	103.6	
FAGA067	.0	180.0	.0	Troparl
	122.5	176.0	340.8	
	244.4	175.0	96.8	
	378.6	175.0	103.6	
FAGA068	.0	180.0	.0	Troparl
	121.9	167.0	117.0	
	237.7	173.5	107.5	
	389.2	173.0	120.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA069	.0	180.0	.0	Troparl
	122.5	172.0	133.8	
	244.5	176.0	133.6	
	366.4	175.0	173.0	
FAGA070	.0	180.0	.0	Troparl
	49.1	176.0	123.0	
	103.9	174.0	143.9	
FAGA071	.0	180.0	.0	Troparl
	86.0	167.0	102.3	
	168.2	171.0	102.5	
FAGA072	.0	180.0	.0	Troparl
	92.0	172.0	97.5	
	177.4	170.5	106.5	
FAGA073	.0	180.0	.0	Troparl
	64.6	179.0	102.0	
	122.5	180.0	91.5	
	183.5	163.0	95.5	
	244.4	161.0	106.5	
305.4	159.0	99.9		
FAGA074	.0	180.0	.0	Troparl
	61.6	175.0	111.5	
	122.5	172.0	71.9	
	183.5	168.0	60.5	
	244.5	163.0	59.5	
FAGA075	.0	180.0	.0	Troparl
	61.6	178.0	280.5	
	134.7	177.0	70.2	
	201.8	175.0	14.0	
	262.7	173.0	37.5	
	323.7	170.0	81.5	
FAGA076	.0	180.0	.0	Troparl
	61.6	179.0	130.5	
	122.5	174.0	138.5	
	183.5	169.7	146.4	
	244.5	179.0	142.5	
	305.4	173.0	154.4	
	387.7	173.0	136.5	
FAGA077	.0	180.0	.0	Troparl
	52.4	177.0	69.5	
	104.2	173.0	78.8	
	165.2	169.0	72.5	
	226.2	169.0	71.6	
	287.1	167.0	72.9	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZINUTH(DEG)	
FAGA078	.0	180.0	.0	
	61.6	179.0	107.0	
	122.5	170.5	122.5	Troparl
	183.5	163.0	118.7	
	244.4	160.0	114.8	
	299.3	159.5	28.0	
FAGA079	.0	180.0	.0	
	61.0	179.0	166.6	
	121.9	177.0	140.3	
	182.9	175.0	137.6	Troparl
	243.8	176.0	146.5	
	378.0	171.0	106.4	
FAGA080	.0	180.0	.0	
	61.6	177.3	144.6	
	122.5	176.0	129.5	Troparl
	183.5	161.6	128.8	
	244.4	158.8	119.8	
	305.4	154.6	110.5	
FAGA081	.0	180.0	.0	
	65.8	175.0	23.0	
	126.8	170.0	61.0	Sperry Sun
	187.8	169.2	77.0	
	248.7	169.0	67.0	
FAGA082	.0	180.0	.0	
	61.6	175.0	149.5	
	122.5	169.0	147.0	
	183.5	166.0	148.5	
	238.4	167.0	133.5	Troparl
	293.2	168.0	119.5	
360.3	167.0	120.5		
FAGA083	.0	180.0	.0	
	53.6	176.6	114.0	
	120.1	170.2	113.0	
	181.1	166.2	105.0	Sperry Sun
	242.0	168.0	85.0	
	303.0	169.0	67.0	
357.8	168.4	18.0		
FAGA084	.0	180.0	.0	
	85.3	175.0	94.5	
	146.3	172.0	120.5	
	207.3	175.0	112.5	Troparl
	268.2	175.0	80.5	
	329.2	175.0	76.0	
396.2	179.0	39.0		

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA085	.0	180.0	.C	
	61.0	177.5	79.C	
	121.9	174.0	107.C	
	182.9	173.0	106.C	
	243.8	173.2	138.0	Sperry Sun
	304.8	172.2	183.C	
	384.0	172.4	183.C	
	402.3	172.2	183.0	
FAGA086	.0	180.0	.C	
	36.6	179.0	238.0	
	97.5	179.0	289.5	
	182.9	171.0	130.C	
	243.8	165.0	156.5	Troparl
	304.8	161.0	142.5	
	384.0	166.0	133.5	
	426.7	164.0	141.5	
506.0	161.0	139.5		
FAGA087	.0	180.0	.C	
	121.9	171.4	133.C	
	176.8	170.0	138.C	
	243.8	173.0	129.C	Sperry Sun
	304.5	172.2	155.C	
	353.6	171.0	158.0	
FAGA088	.0	180.0	.C	
	61.0	179.0	120.5	
	121.9	176.0	49.5	Troparl
	182.9	177.5	123.0	
	256.0	173.0	55.C	
	317.0	169.0	106.C	
FAGA089	.0	180.0	.0	
	61.0	180.0	.C	
	109.7	176.0	99.5	Tropary
	189.0	175.0	214.5	
FAGA090	.0	180.0	.C	
	61.0	179.0	60.5	
	121.9	169.0	110.5	Tropary
	182.9	162.0	92.C	
	243.8	165.0	93.5	
	304.8	159.0	79.5	
FAGA091	.0	180.0	.C	
	30.5	177.4	73.C	
	91.4	176.0	83.C	Sperry Sun
	213.4	171.0	85.C	
	335.3	168.0	113.0	
	396.2	166.0	105.0	

DRILLHOLE	DEPTH (METRES)	ZENITH (DEG)	AZIMUTH (DEG)
FAGA091	518.2	173.0	60.0
FAGA092	.0	180.0	.0
	61.0	175.5	32.0
	121.9	166.0	93.0
	182.9	160.0	85.0
	262.1	155.0	83.0
FAGA093	.0	180.0	.0
	61.0	175.0	113.0
	121.9	169.0	113.0
	195.1	163.8	124.0
	262.1	162.8	117.0
	335.3	168.0	58.0
FAGA094	.0	180.0	.0
	30.5	177.0	73.0
	91.4	173.5	83.0
	152.4	173.0	98.0
	213.4	171.0	87.0
	274.3	173.0	193.0
FAGA095	.0	180.0	.0
	73.2	178.0	83.0
	134.1	165.7	104.0
	195.1	159.2	88.0
FAGA096	.0	180.0	.0
	58.1	176.0	36.5
	112.9	173.5	103.0
FAGA097	.0	180.0	.0
FAGA098	.0	180.0	.0
	24.4	179.0	358.0
	61.0	176.6	2.0
	121.9	176.0	303.0
FAGA099	.0	180.0	.0
	61.0	175.0	73.0
	115.8	165.0	77.0
	176.8	162.0	76.0
FAGA100	.0	180.0	.0
	67.1	176.0	310.0
	121.9	173.0	62.0
	182.9	163.0	82.0
	225.6	161.0	78.0
FAGA101	.0	180.0	.0
	61.0	176.0	18.0

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Calculated from FAGA 070 &amp; FAGA 100

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA101	121.9	171.0	52.C	Sperry Sun
	213.4	174.0	41.C	
	256.0	175.2	17.C	
FAGA102	.0	180.0	.0	Sperry Sun
	67.1	175.0	73.C	
	128.0	166.8	68.0	
	170.7	169.8	56.C	
FAGA103	.0	180.0	.0	Sperry Sun
	51.8	177.4	288.0	
	112.8	173.3	78.0	
	182.9	171.3	73.0	
FAGA104	.0	180.0	.0	Sperry Sun
	61.0	172.4	144.C	
	121.9	172.5	128.C	
	182.9	170.8	133.C	
	262.1	167.0	143.C	
	323.1	169.6	153.0	
	396.2	166.0	146.C	
FAGA105	.0	180.0	.0	Tropary
	61.0	178.0	193.0	
	121.9	179.0	98.C	
	182.9	176.0	66.C	
FAGA106	.0	180.0	.0	Sperry Sun
	97.5	174.0	75.0	
	170.7	168.7	77.C	
FAGA107	.0	180.0	.0	Sperry Sun
	73.2	179.0	288.0	
	128.0	177.5	48.C	
	207.3	166.0	44.0	
FAGA108	.0	180.0	.0	Tropary
	61.0	179.0	40.0	
	121.9	176.0	51.C	
	170.7	176.0	48.5	
FAGA109	.0	180.0	.0	Sperry Sun
	61.0	179.0	270.0	
	121.9	173.0	34.0	
	182.9	170.2	355.0	
FAGA110	.0	180.0	.0	Sperry Sun
	61.0	178.0	153.C	
	121.9	169.0	67.C	
	182.9	164.5	60.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(DEG)
FAGA111	.0	180.0	.0
	61.0	174.0	293.0
	121.9	175.0	31.0
	243.8	172.0	66.0
	365.8	175.0	92.0
			Sperry Sun
FAGA112	.0	180.0	.0
	85.3	178.0	327.0
	164.6	170.0	348.0
			Sperry Sun
FAGA113	.0	180.0	.0
	61.0	174.3	126.0
	121.9	171.0	113.0
	182.9	171.0	98.0
	225.6	167.8	113.0
	335.3	172.5	143.0
	378.0	170.0	166.0
	457.2	172.6	135.0
			Sperry Sun
FAGA114	.0	180.0	.0
	61.0	180.0	.0
	109.7	175.0	55.5
	170.7	173.0	40.5
	219.5	170.0	14.0
			Tropary
FAGA115	.0	180.0	.0
	61.0	175.0	52.0
	182.9	174.0	88.0
	243.8	172.2	104.0
	304.8	168.5	103.0
	365.8	168.5	101.0
			Sperry Sun
FAGA116	.0	180.0	.0
	73.2	178.0	58.0
	146.3	168.0	53.0
			Sperry Sun
FAGA117	.0	180.0	.0
	61.0	172.8	45.0
	121.9	172.0	43.0
	161.5	170.2	42.0
			Sperry Sun
FAGA118	.0	180.0	.0
	61.0	169.9	124.0
	182.9	167.5	121.0
	243.8	168.5	135.0
	335.3	168.0	146.0
	396.2	167.7	145.0
	426.7	167.0	145.0
			Sperry Sun
FAGA119	.0	180.0	.0
	61.0	174.5	72.0
			Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA119	115.8	167.7	63.0	Sperry Sun
	158.5	164.5	63.0	
FAGA120	.0	180.0	.0	Sperry Sun
	61.0	174.5	127.0	
	121.9	172.8	131.0	
	182.9	173.5	153.0	
	243.8	171.5	148.0	
	304.8	168.0	138.0	
FAGA121	.0	180.0	.0	Sperry Sun
	61.0	175.9	95.0	
	134.1	173.2	83.0	
	207.3	170.0	91.0	
	249.9	167.0	98.0	
FAGA122	.0	180.0	.0	Sperry Sun
	61.0	176.0	94.0	
	91.4	174.8	88.0	
	152.4	173.5	78.0	
	228.6	167.3	73.0	
FAGA123	.0	180.0	.0	Sperry Sun
	30.5	172.0	118.0	
	91.4	171.0	109.0	
	152.4	173.2	130.0	
	213.4	172.3	102.0	
	274.3	173.3	108.0	
FAGA124	.0	180.0	.0	Sperry Sun
	61.0	171.9	143.0	
	121.9	169.8	135.0	
	182.9	166.0	154.0	
	243.8	168.2	157.0	
	304.8	165.0	149.0	
FAGA125	.0	180.0	.0	Sperry Sun
	61.0	173.0	112.0	
	121.9	172.0	118.0	
	182.9	171.1	149.0	
	243.8	168.5	161.0	
	335.3	166.0	160.0	
FAGA126	.0	180.0	.0	Calculated from FAGA 128
	121.9	175.0	56.0	
FAGA127	.0	180.0	.0	Sperry Sun
	61.0	174.0	122.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
FAGA127	121.9	165.8	135.0
	182.9	162.1	162.0
	243.8	163.0	173.0
	304.8	167.0	158.0
	365.8	167.3	147.0
FAGA128	.0	180.0	.0
	121.9	178.0	56.0
	182.9	170.8	101.0
	243.8	170.0	102.0
	304.8	165.4	105.0
365.8	164.2	90.0	
FAGA129	.0	180.0	.0
	103.6	176.0	209.0
	149.4	175.8	191.0
FAGA130	.0	180.0	.0
	64.1	174.8	72.5
Calculated from FAGA 119 & FAGA 102			
FAGA131	.0	180.0	.0
	91.4	177.0	42.0
	165.5	172.0	62.0
FAGA132	.0	180.0	.0
	91.4	178.0	153.0
	143.3	175.0	124.0
FAGA133	.0	180.0	.0
	67.1	176.0	310.0
	121.9	173.0	62.0
Calculated from FAGA 100			
FAGA134	.0	180.0	.0
	135.6	175.9	69.0
Sperry Sun			
FAGA135	.0	180.0	.0
	67.0	177.0	32.0
	155.4	167.7	83.0
Sperry Sun			
FAGA136	.0	180.0	.0
	73.2	177.0	53.0
	121.9	173.0	54.0
Calculated from FAGA 058			
FAGA137	.0	180.0	.0
	68.9	176.2	2.5
	136.2	167.2	26.5
Calculated from FAGA 112 & FAGA 139			
FAGA138	.0	180.0	.0
	67.1	176.0	310.0
Calculated from FAGA 100			
FAGA139	.0	180.0	.0

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA139	52.4 113.4	174.3 166.4	38.0 65.0	Sperry Sun
FAGA140	.0 84.7 145.7	180.0 171.7 164.0	.0 124.0 124.0	Sperry Sun
FAGA141	.0 61.0	180.0 177.3	.0 46.3	Calculated from FAGA 090 & FAGA 092
FAGA142	.0 88.4 149.4 189.0 231.7	180.0 177.0 174.7 174.0 170.0	.0 90.0 88.0 102.0 74.0	Sperry Sun
FAGA143	.0 76.2 137.2	180.0 173.0 163.5	.0 64.0 73.0	Sperry Sun
FAGA144	.0 61.0 121.9	180.0 174.1 165.8	.0 122.0 135.0	Calculated from FAGA 127
FAGA145	.0 55.2	180.0 175.9	.0 82.8	Calculated from FAGA 013 & FAGA 074
FAGA146	.0 61.0 121.9	180.0 174.1 165.8	.0 122.0 135.0	Calculated from FAGA 127
FAGA147	.0 107.3 151.2	180.0 174.8 172.0	.0 70.0 79.0	Sperry Sun
FAGA148	.0 61.0	180.0 174.1	.0 122.0	Calculated from FAGA 127
FAGA149	.0 67.1 112.8 160.0 190.5	180.0 176.8 171.5 171.0 169.0	.0 63.0 58.0 53.0 58.0	Sperry Sun
FAGA150	.0 61.0 121.9	180.0 174.1 165.8	.0 122.0 135.0	Calculated from FAGA 127
FAGA151	.0 61.0 121.9	180.0 174.1 165.8	.0 122.0 135.0	Calculated from FAGA 127

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(DEG)
FAGA152	.0	180.0	.C
	70.1	176.5	52.C Sperry Sun
	154.8	169.5	91.0
FAGA153	.0	180.0	80.0
	82.3	168.0	82.C Sperry Sun
	164.6	177.0	32.0
FAGA154	.0	180.0	.C
	61.0	171.9	143.C Calculated from FAGA 124
	121.9	169.8	135.0
FAGA155	.0	180.0	.C Calculated from FAGA 073
	64.6	179.0	102.0
FAGA156	.0	180.0	.0
	121.9	176.0	120.C Sperry Sun
FAGA157	.0	180.0	.0
	61.0	177.2	123.0 Sperry Sun
	121.9	175.9	83.0
FAGA158	.0	180.0	.C
	114.0	174.2	92.0 Sperry Sun
FAGA159	.0	180.0	.C
	68.9	171.0	106.3
	114.6	169.0	87.5 Calculated from FAGA 208 & FAGA 074
	137.2	164.0	108.C
FAGA160	.0	180.0	.0
	61.3	179.0	148.6 Calculated from FAGA 078 & FAGA 079
	122.2	175.5	139.4
FAGA161	.0	141.0	44.0
	24.4	143.0	47.C
	42.7	140.8	45.C Sperry Sun
	93.6	143.0	54.C
FAGA162	.0	180.0	.C
	95.1	173.0	41.0 Sperry Sun
FAGA163	.0	180.0	.C
	82.9	174.2	104.0 Sperry Sun
FAGA164	.0	180.0	.C
	82.9	174.2	104.C Calculated from FAGA 183
FAGA20C	.0	180.0	353.0
	66.4	175.9	353.C Sperry Sun
	96.9	174.8	23.0

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA200	127.4	174.0	34.0	
	157.9	173.5	63.0	
	188.4	172.5	94.0	
	218.8	171.5	80.0	Sperry Sun
	249.3	168.5	75.0	
	279.8	167.5	81.0	
FAGA201	.0	180.0	.0	
	83.2	179.0	213.0	
	113.7	177.8	251.0	
	144.2	177.2	130.0	Sperry Sun
	174.6	174.5	105.0	
	205.1	173.9	98.0	
	235.6	173.8	63.0	
FAGA202	.0	180.0	.0	
	68.0	177.8	53.0	
	98.5	174.2	80.0	
	128.9	171.2	68.0	
	159.4	169.7	65.0	
	189.9	168.8	61.0	Sperry Sun
	220.4	167.8	57.0	
	250.8	167.0	56.0	
	281.3	168.0	51.0	
FAGA203	.0	180.0	.0	
	62.2	178.0	48.0	
	92.7	177.5	59.0	
	123.1	176.0	73.0	
	153.6	175.5	59.0	Sperry Sun
	184.1	172.5	76.0	
	214.6	170.5	70.0	
	245.1	170.0	90.0	
	275.5	167.0	63.0	
FAGA204	.0	180.0	.0	
	66.8	178.5	113.0	
	97.2	176.0	87.0	
	127.7	172.0	81.0	
	158.2	172.0	73.0	Sperry Sun
	188.7	172.0	67.0	
	219.1	172.5	55.0	
	249.6	172.5	54.0	
FAGA205	.0	180.0	.0	
	65.8	178.0	336.0	
	96.3	177.5	1.0	Sperry Sun
	245.3	173.0	123.0	
	278.9	172.0	133.0	
FAGA206	.0	180.0	.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)	
FAGA206	71.0	175.5	77.0	
	101.5	175.5	85.0	
	132.0	175.0	90.0	
	162.5	172.7	90.0	
	192.9	171.0	86.0	Sperry Sun
	223.4	169.5	90.0	
	253.9	168.0	83.0	
	284.4	166.0	88.0	
	314.8	166.0	85.0	
FAGA207	.0	180.0	.0	
	70.1	175.0	65.0	Sperry Sun
	100.6	174.0	78.0	
	131.1	173.0	187.0	
FAGA208	.0	180.0	.0	
	76.2	167.0	101.0	
	106.7	166.0	103.0	
	137.2	164.0	108.0	Sperry Sun
	167.6	162.0	110.0	
	198.1	162.0	89.0	
FAGA209	.0	180.0	.0	
	75.9	177.3	100.0	
	106.4	175.5	97.0	
	136.9	173.0	93.0	Sperry Sun
	167.3	172.0	80.0	
	197.8	173.0	51.0	
	228.3	172.5	33.0	
FAGA210	.0	180.0	.0	
	61.0	177.5	11.0	Sperry Sun
	100.6	178.0	61.0	
FAGA211	.0	180.0	.0	
	61.9	176.0	32.0	
	98.5	176.0	48.0	
	125.9	174.0	63.0	
	162.5	174.0	53.0	Sperry Sun
	189.9	172.0	53.0	
	226.5	170.5	55.0	
	253.9	170.0	49.0	
FAGA212	.0	180.0	.0	
	62.2	177.0	42.0	
	92.7	177.0	40.0	
	123.1	176.5	63.0	
	153.6	175.0	67.0	Sperry Sun
	184.1	173.0	61.0	
	214.6	170.5	72.0	
	245.1	167.0	76.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)
FAGA212	275.5	165.0	75.0
	306.0	164.0	75.C Sperry Sun
FAGA213	.0	180.0	.0
	53.6	178.0	5.0
	84.1	176.0	60.0
	114.6	175.0	65.0
	145.1	175.0	70.0
	177.7	171.5	62.0 Sperry Sun
	208.2	170.0	64.C
	238.7	169.0	65.C
	269.1	165.5	78.0
	302.7	167.5	72.C
FAGA214	.0	180.0	.0
	69.5	176.0	203.0
	120.4	171.0	111.0
	181.4	168.5	117.0
	242.3	165.0	110.5 Sperry Sun
	303.3	163.0	124.0
	364.2	162.0	119.0
	425.2	161.0	110.0
	486.2	160.0	111.0
FAGA215	.0	180.0	.0
	64.9	174.5	123.0
	144.2	169.5	105.C
	205.1	167.5	105.0 Sperry Sun
	266.1	167.0	103.0
	327.1	164.5	93.0
	388.9	163.5	89.C
FAGA216	.0	180.0	.0
	61.0	176.5	70.0
	121.9	173.5	57.C Sperry Sun
	304.8	167.5	75.0
	365.8	167.0	87.0
	426.7	168.0	66.C
FAGA217	.0	180.0	.0
	93.9	178.0	259.0 Sperry Sun
	121.3	177.5	259.0
	182.3	174.0	10.C
FAGA218	.0	180.0	.0
	99.0	169.5	48.0 Sperry Sun
	117.3	169.5	58.0
FAGA219	.0	180.0	.0
	80.5	177.5	23.0 Sperry Sun
	125.9	173.5	36.0

DRILLHOLE	DEPTH (METRES)	ZENITH (DEG)	AZIMUTH (DEG)
FAGA219	186.8	170.0	55.0
	247.8	168.5	15.0
FAGA220	.0	180.0	.0
	67.4	175.5	30.0
	103.6	173.0	55.0
	164.6	170.5	58.0
	225.5	166.5	57.0
	286.5	164.0	30.0
FAGA221	.0	180.0	.0
	54.9	179.0	68.0
	103.6	177.0	96.0
	161.5	175.8	57.0
	225.5	170.2	33.0
	286.5	167.5	46.0
FAGA222	.0	180.0	.0
	65.8	175.5	114.5
	102.4	176.0	60.0
	163.4	172.8	78.0
	224.3	169.5	86.0
	285.3	168.0	58.0
FAGA223	.0	180.0	.0
	53.0	177.5	24.0
	74.4	175.5	64.0
	135.3	173.0	48.0
	196.3	171.0	68.0
	257.3	166.5	46.0
FAGA224	.0	161.0	43.0
	37.2	161.0	43.0
	51.8	161.0	54.0
	88.4	162.0	61.0
	149.3	162.0	59.0
	210.3	162.0	41.0
FAGA225	.0	180.0	.0
	90.8	175.5	88.0
	151.8	173.0	93.0
	212.7	171.0	57.0
FAGA226	.0	180.0	.0
	56.1	178.0	105.0
	117.0	174.2	73.0
	178.0	170.0	77.0
FAGA227	.0	180.0	.0
	19.2	179.0	303.0
	74.1	178.0	133.0

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)	
FAGA227	135.0	177.8	143.0	Sperry Sun
	196.0	175.0	133.C	
FAGA228	.0	180.0	.C	Sperry Sun
	67.7	175.5	149.0	
	128.7	171.5	141.0	
	189.6	169.0	127.0	
FAGA229	.0	180.0	.0	Sperry Sun
	50.0	177.0	130.C	
	100.0	170.0	130.0	
	150.0	167.0	130.C	
FAGA230	.0	180.0	.0	Sperry Sun
	16.5	177.5	123.0	
	34.7	176.0	139.0	
	95.7	172.2	128.C	
	156.7	170.5	127.0	
	217.6	164.2	141.C	
FAGA231	.0	180.0	.0	Sperry Sun
	16.2	178.2	65.0	
	58.8	177.0	123.0	
	119.8	168.0	129.0	
	180.7	165.0	123.C	
FAGA232	.0	180.0	.0	Sperry Sun
	18.9	177.5	128.0	
	76.8	169.0	135.C	
	137.8	165.5	133.0	
	198.7	165.0	140.C	
FAGA233	.0	180.0	.0	Sperry Sun
	13.1	179.5	123.0	
	71.0	173.0	147.0	
	132.0	170.0	148.0	
	192.9	168.5	146.C	
FAGA234	.0	180.0	.0	Sperry Sun
	36.9	177.0	143.0	
	97.8	164.5	129.0	
	158.8	161.0	113.C	
FAGA235	.0	180.0	.0	Sperry Sun
	49.4	176.0	128.C	
	71.6	174.0	128.C	
	171.3	170.5	136.C	
FAGA236	.0	180.0	.0	Sperry Sun
	24.7	176.0	123.0	
	67.4	169.5	128.C	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGA236	128.3	169.0	127.0	
	189.3	165.0	120.0	
	250.2	168.0	133.0	Sperry Sun
	311.2	169.0	122.0	
	372.2	167.5	111.0	
	433.1	166.5	104.0	
FAGA237	.0	180.0	.0	
	26.5	176.5	113.0	
	87.5	174.0	124.0	Sperry Sun
	148.4	169.5	138.0	
	209.4	168.5	139.0	
FAGA238	.0	180.0	.0	
	39.6	178.0	85.0	
	79.2	175.0	123.0	Sperry Sun
	125.0	172.0	119.0	
FAGA239	.0	180.0	.0	
	55.8	174.3	112.0	
	101.5	171.3	112.0	Sperry Sun
FAGA240	.0	180.0	.0	
	45.7	175.0	91.0	
	103.6	172.2	122.0	Sperry Sun
FAGA241	.0	180.0	.0	
	48.8	174.0	340.0	
	94.5	175.0	16.0	Sperry Sun
	155.4	171.5	61.0	
FAGA0L1	.0	180.0	.0	
FAGA0L2	.0	160.0	230.0	
FAGA0L3	.0	180.0	.0	
FAGA0L4	.0	180.0	.0	
FAGU001	.0	87.0	110.1	
FAGU002	.0	86.8	56.3	
FAGU003	.0	53.0	225.1	
FAGU004	.0	17.9	235.8	
FAGU005	.0	180.0	.0	
	65.5	180.0	.0	Sperry Sun
FAGU006	.0	8.3	45.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU007	.0	150.0	44.0	
FAGU008	.0	14.4	218.4	
FAGU009	.0	145.0	44.0	
FAGU010	.0	10.4	233.6	
FAGU011	.0	131.4	26.2	
FAGU012	.0	160.0	43.8	
FAGU013	.0 152.4	173.0 171.3	43.8 43.0	Sperry Sun
FAGU014	.0	30.9	233.1	
FAGU015	.0 91.4 182.9	150.0 158.0 164.0	44.0 43.0 65.0	Sperry Sun
FAGU016	.0	125.3	46.0	
FAGU017	.0	150.0	43.8	
FAGU018	.0	136.0	44.0	
FAGU019	.0	59.0	223.8	
FAGU020	.0	170.0	223.8	
FAGU021	.0	41.4	227.0	
FAGU022	.0	137.0	227.0	
FAGU023	.0	158.0	47.0	
FAGU024	.0	55.5	47.4	
FAGU025	.0	56.0	47.4	
FAGU026	.0	21.0	235.3	
FAGU027	.0	28.1	48.4	
FAGU028	.0	129.2	48.7	
FAGU029	.0	103.8	46.2	
FAGU030	.0	46.6	51.8	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU031	.0	105.8	92.6	
	8.5	106.3	77.0	Sperry Sun
	61.0	114.0	120.0	
FAGU032	.0	162.8	222.6	
	33.5	169.0	218.0	Sperry Sun
	67.1	172.0	226.0	
	97.5	175.0	253.0	
FAGU033	.0	45.0	224.0	
FAGU034	.0	176.3	153.2	
FAGU035	.0	153.4	57.6	
	61.0	165.8	44.0	Sperry Sun
	108.2	168.4	60.0	
FAGU036	.0	82.3	138.7	
FAGU037	.0	80.8	95.4	
FAGU038	.0	80.3	105.7	
FAGU039	.0	163.3	230.4	
	30.5	165.0	243.0	Sperry Sun
	56.4	165.0	241.0	
FAGU040	.0	143.8	225.3	
	45.7	149.0	235.0	Sperry Sun
	91.4	149.1	251.0	
FAGU041	.0	136.3	44.4	
	30.5	136.0	69.0	
	61.0	139.0	62.0	Sperry Sun
	89.9	142.0	33.0	
FAGU042	.0	21.7	45.5	
FAGU043	.0	.8	206.6	
FAGU044	.0	29.2	236.0	
FAGU045	.0	170.0	44.0	
FAGU046	.0	140.0	44.0	
FAGU047	.0	170.0	224.0	
FAGU048	.0	145.6	214.6	
	76.2	152.5	203.0	Sperry Sun
	118.9	158.5	209.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)
FAGU049	.0	89.2	222.7
FAGU050	.0	89.4	189.0
FAGU051	.0	42.0	224.0
FAGU052	.0	24.8	229.4
FAGU053	.0	7.1	255.0
FAGU054	.0	30.2	33.2
	30.5	28.0	35.0
	61.5	26.2	34.0
	91.5	21.8	22.0
	122.0	18.0	8.0
FAGU055	.0	62.9	233.7
FAGU056	.0	62.0	223.7
FAGU057	.0	118.2	220.3
FAGU058	.0	88.3	223.7
	76.2	92.0	230.0
	106.7	92.0	228.0
FAGU059	.0	135.4	227.1
	30.5	137.3	230.0
	61.0	137.0	231.0
	91.4	147.5	239.0
	121.9	152.4	243.0
FAGU060	.0	180.0	.0
FAGU061	.0	160.0	224.0
	45.7	162.8	232.0
	91.4	169.0	232.0
	120.3	171.5	232.0
FAGU062	.0	111.0	222.3
	30.5	114.2	224.0
	61.0	121.0	232.0
	100.6	125.0	224.0
FAGU063	.0	57.5	222.2
FAGU064	.0	26.2	221.4
FAGU065	.0	1.8	339.3
FAGU066	.0	67.1	176.4

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU067	.0	99.1	225.5	
FAGU068	.0	57.1	223.4	
FAGU069	.0	29.9	226.9	
FAGU070	.0	4.2	14.1	
FAGU071	.0	25.0	41.7	
FAGU072	.0	146.2	224.2	
	45.7	161.5	224.0	Sperry Sun
	112.8	172.0	224.0	
FAGU073	.0	88.7	196.3	
FAGU074	.0	81.6	149.8	
	45.7	87.0	149.0	Sperry Sun
	76.2	88.7	149.0	
	106.7	91.0	149.0	
FAGU075	.0	165.4	39.7	
	61.0	174.0	18.0	Sperry Sun
	106.7	176.0	308.0	
	152.4	175.9	234.0	
FAGU076	.0	84.3	171.3	
FAGU077	.0	145.6	41.7	
	30.5	149.8	44.0	Sperry Sun
	61.0	158.0	41.0	
	96.0	162.0	34.0	
	166.1	174.0	71.0	
FAGU078	.0	81.2	135.8	
	45.7	85.8	137.0	Sperry Sun
	76.2	88.0	136.0	
	106.7	90.0	134.0	
FAGU079	.0	119.8	218.4	
	45.7	124.8	228.0	Sperry Sun
	96.0	131.0	229.0	
FAGU080	.0	79.9	154.8	
FAGU081	.0	180.0	.0	
FAGU082	.0	80.4	186.1	
FAGU083	.0	.0	.0	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU084	.0	145.1	49.4	
FAGU085	.0	24.9	227.0	
FAGU086	.0 94.5	121.2 136.8	41.2 49.0	Sperry Sun
FAGU087	.0	145.1	223.7	
FAGU088	.0	180.0	.0	
FAGU089	.0	35.7	201.4	
FAGU090	.0	151.9	38.9	
FAGU091	.0 96.0	98.4 89.0	230.4 232.0	Sperry Sun
FAGU092	.0	89.9	221.5	
FAGU093	.0	59.5	225.7	
FAGU094	.0	87.0	347.5	
FAGU095	.0 61.0 106.7	139.6 145.9 150.0	224.9 228.0 227.0	Sperry Sun
FAGU096	.0 83.8 120.4	70.6 72.5 75.0	223.3 226.0 229.0	Sperry Sun
FAGU097	.0	121.0	219.0	
FAGU098	.0	156.7	216.0	
FAGU099	.0 61.0 106.7 152.4 182.9	150.3 158.0 163.0 165.8 169.0	217.3 221.0 224.0 223.0 214.0	Sperry Sun
FAGU100	.0 61.0 120.4	54.9 57.0 53.2	222.5 224.0 234.0	Sperry Sun
FAGU101	.0 160.0	175.0 170.0	44.0 103.0	Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(CEG)
FAGU102	.0	24.6	222.7
FAGU103	.0	136.7	42.3
	61.0	149.8	57.0
	99.1	151.5	61.0
	129.5	153.0	68.0
FAGU104	.0	26.5	43.3
FAGU105	.0	90.8	43.3
FAGU106	.0	89.8	44.4
	111.3	91.0	46.0
FAGU107	.0	.0	.0
FAGU108	.0	121.0	44.5
FAGU109	.0	36.3	38.7
	35.0	32.0	34.0
	65.5	28.0	32.0
	96.0	25.0	32.0
FAGU110	.0	180.0	.0
FAGU111	.0	180.0	.0
	45.7	179.0	223.0
	91.4	176.8	123.0
	122.8	173.0	123.0
FAGU112	.0	149.4	220.3
FAGU113	.0	148.0	44.0
FAGU114	.0	89.5	222.1
FAGU115	.0	155.3	226.0
FAGU116	.0	45.1	225.1
FAGU117	.0	90.0	44.0
FAGU118	.0	15.5	248.4
FAGU119	.0	180.0	.0
	103.6	178.0	54.0
FAGU120	.0	90.2	40.1
FAGU121	.0	150.0	224.0

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)	
FAGU122	.0	145.0	44.0	
FAGU123	.0	135.0	44.0	
FAGU124	.0	180.0	.0	
FAGU125	.0	120.1	227.6	
FAGU126	.0	150.0	224.0	
	112.8	158.0	228.0	Sperry Sun
	144.8	158.0	227.0	
FAGU127	.0	88.5	45.8	
FAGU128	.0	150.0	44.0	
FAGU129	.0	145.0	224.0	
	79.9	151.0	227.0	Sperry Sun
	110.3	152.5	227.0	
	140.8	154.0	228.0	
FAGU130	.0	5.3	250.8	
FAGU131	.0	90.9	225.5	
FAGU132	.0	27.0	44.0	
FAGU133	.0	150.0	44.0	
	103.6	155.0	55.0	Sperry Sun
FAGU134	.0	118.8	42.2	
FAGU135	.0	175.0	44.0	
	89.9	173.0	114.0	Sperry Sun
	137.2	173.0	112.0	
	182.9	172.0	125.0	
FAGU136	.0	42.0	224.0	
FAGU137	.0	26.0	43.9	
FAGU138	.0	138.9	47.3	
	45.7	142.2	43.0	Sperry Sun
	91.4	149.0	42.0	
	121.9	152.0	44.0	
FAGU139	.0	15.0	224.0	
FAGU140	.0	148.8	50.2	
FAGU141	.0	89.7	227.1	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU141	42.7 94.5	91.0 90.0	234.0 239.0	Sperry Sun
FAGU142	.0 56.4 140.2	119.6 122.0 136.0	223.0 226.0 221.0	Sperry Sun
FAGU143	.0 67.1 121.9	115.0 124.0 134.0	44.0 48.0 55.0	Sperry Sun
FAGU144	.0	39.8	45.1	
FAGU145	.0 45.7 91.4	155.0 157.5 162.0	44.0 59.0 68.0	Sperry Sun
FAGU146	.0	1.4	224.0	
FAGU147	.0	43.9	229.2	
FAGU148	.0	126.4	47.4	
FAGU149	.0 106.7 152.4	180.0 174.0 173.0	.0 198.0 193.0	Sperry Sun
FAGU150	.0 61.0 121.9	163.5 165.5 174.5	218.3 217.0 203.0	Sperry Sun
FAGU151	.0	47.0	224.0	
FAGU152	.0	2.6	141.3	
FAGU153	.0	107.2	223.4	
FAGU154	.0	7.5	200.2	
FAGU155	.0	146.0	224.0	
FAGU156	.0	180.0	.0	
FAGU157	.0 56.4 117.4	180.0 174.0 169.5	.0 108.0 80.0	Sperry Sun
FAGU158	.0	45.0	224.0	
FAGU159	.0	23.1	32.4	

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU160	.0	105.0	224.0	
FAGU161	.0	121.9	225.1	
FAGU162	.0	155.0	224.0	
	38.1	158.0	228.0	
	77.5	161.0	216.0	Sperry Sun
	123.4	166.0	193.0	
FAGU163	.0	91.0	224.1	
	61.0	90.0	229.0	Sperry Sun
FAGU164	.0	18.0	224.0	
FAGU165	.0	128.6	226.1	
FAGU166	.0	180.0	.0	
	62.5	174.0	218.0	
	108.2	173.0	183.0	Sperry Sun
	152.4	173.5	150.0	
FAGU167	.0	47.1	224.4	
FAGU168	.0	150.0	224.0	
	68.6	161.0	211.0	
	100.6	164.0	204.0	Sperry Sun
	131.1	165.0	193.0	
	161.5	166.5	179.0	
FAGU169	.0	90.2	44.0	
FAGU170	.0	178.6	7.6	
FAGU171	.0	89.7	223.0	
FAGU172	.0	114.0	224.0	
	45.7	118.0	222.0	Sperry Sun
	91.4	130.5	219.0	
FAGU173	.0	143.0	224.0	
FAGU174	.0	.0	.0	
FAGU175	.0	125.2	42.5	
FAGU176	.0	160.0	224.0	
	76.2	162.0	205.0	Sperry Sun
	152.4	160.0	183.0	
FAGU177	.0	47.6	51.7	

DRILLHOLE	DEPTH(METRES)	ZENITH(CEG)	AZIMUTH(CEG)	
FAGU178	.0	13.2	56.3	
FAGU179	.0	30.7	224.9	
FAGU180	.0	2.7	332.2	
FAGU181	.0	87.0	224.0	
FAGU182	.0	180.0	.0	
	88.1	172.0	203.0	Sperry Sun
	149.1	171.0	223.0	
FAGU183	.0	119.9	229.6	
FAGU184	.0	145.0	224.0	
	103.6	152.0	209.0	Sperry Sun
	164.6	161.0	200.0	
FAGU185	.0	88.4	222.3	
FAGU186	.0	17.5	228.3	
FAGU187	.0	125.6	224.5	
FAGU188	.0	90.4	43.1	
FAGU189	.0	133.9	51.5	
FAGU190	.0	160.0	44.0	
	73.2	171.0	73.0	Sperry Sun
	103.6	175.0	109.0	
FAGU191	.0	1.5	256.4	
FAGU192	.0	158.5	52.9	
	118.9	171.0	46.0	Sperry Sun
FAGU193	.0	88.3	226.2	
FAGU194	.0	175.8	132.5	
	61.0	175.0	273.0	Sperry Sun
	118.9	176.0	255.0	
FAGU195	.0	88.3	49.0	
FAGU196	.0	153.7	216.7	
	61.0	163.0	230.0	Sperry Sun
	100.6	165.0	247.0	
FAGU197	.0	49.7	233.4	

DRILLHOLE	DEPTH (METRES)	ZENITH (DEG)	AZIMUTH (DEG)	
FAGU198	.0	147.0	32.0	
	10.7	146.0	34.0	
	56.4	150.0	34.0	Sperry Sun
	102.1	156.0	34.0	
	150.9	161.0	24.0	
FAGU199	.0	89.3	228.3	
	67.1	90.0	228.3	Sperry Sun
	125.0	91.0	228.3	
FAGU200	.0	89.3	44.2	
FAGU201	.0	90.5	163.7	
FAGU202	.0	90.4	122.4	
FAGU203	.0	90.6	81.5	
FAGU204	.0	180.0	.0	
FAGU205	.0	88.7	41.4	
	82.3	96.0	42.0	Sperry Sun
FAGU206	.0	2.6	162.0	
FAGU207	.0	90.0	49.0	
FAGU208	.0	160.7	62.1	
	65.5	164.0	62.0	Sperry Sun
	126.5	161.0	67.0	
FAGU209	.0	179.0	156.0	
	88.4	176.0	3.0	Sperry Sun
FAGU210	.0	157.0	220.9	
	109.1	167.0	217.0	Sperry Sun
FAGU211	.0	154.0	222.0	
	62.5	155.0	222.0	Sperry Sun
	108.2	161.0	218.0	
FAGU212	.0	175.8	58.1	
FAGU213	.0	155.0	46.0	
	73.2	158.0	43.0	Sperry Sun
	118.9	163.0	63.0	
FAGU214	.0	91.7	50.7	
FAGU215	.0	155.2	64.3	
	89.9	161.0	57.0	Sperry Sun

DRILLHOLE	DEPTH(METRES)	ZENITH(DEG)	AZIMUTH(DEG)	
FAGU215	135.6	165.0	33.0	
FAGU216	.0	171.4	225.4	
	61.0	172.5	206.0	Sperry Sun
	121.9	172.5	155.0	
FAGU217	.0	172.0	244.0	
	12.2	172.0	288.0	Sperry Sun
	73.2	177.0	.0	
	118.9	178.2	83.0	
FAGU218	.0	113.1	231.4	