REPORT

ON A
COMBINED HELICOPTER-BORNE
ELECTROMAGNETIC AND MAGNETIC SURVEY

GOAL NET, HAT TRICK, LEAGUE, OFFSIDE
POWER PLAY, SHUTOUT AND SLAPSHOT PROPERTIES
FINLAYSON LAKE AREA
YUKON TERRITORY
NTS 105 G AND J

FOR

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c/o ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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June 13, 1996

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J9603

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 521,476.11.

M. Bahr

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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LIST OF MAPS

The survey data are presented in sets of numbered maps in the following format:

I COLOUR MAPS: (Scale 1:20,000)

Map No. Description

1. STACKED PROFILES; Computer generated profiles of all parameters for each flight line.

2. TOTAL FIELD MAGNETIC CONTOURS; with EM anomaly symbols and flight lines.

3. APPARENT RESISTIVITY CONTOURS; apparent resistivity calculated for the coplanar 865 Hz and 4,175 Hz data, with EM anomaly symbols and flight lines.

4. CONDUCTOR MAPS; screened topographic base map plus survey area boundary, UTM grid and EM anomaly symbols

5. TOTAL FIELD MAGNETICS SHADOW MAP; with two suitable sun angles

6. VERTICAL MAGNETIC GRADIENT CONTOURS; with EM anomaly symbols and flight lines.

7. COMPILATION / INTERPRETATION MAP; with base map, flight path map and EM anomaly symbols with interpretation .

REPORT ON A COMBINED HELICOPTER-BORNE ELECTROMAGNETIC AND MAGNETIC SURVEY GOAL NET, HAT TRICK, LEAGUE, OFFSIDE POWER PLAY, SHUTOUT AND SLAPSHOT PROPERTIES FINLAYSON LAKE AREA YUKON TERRITORY

1. INTRODUCTION

This is a report on an airborne geophysical survey carried out for Expatriate Resources Limited by Aerodat Inc. under a contract dated February 20, 1996. Principal geophysical sensors included a five frequency electromagnetic system and a high sensitivity cesium vapour magnetometer. Ancillary equipment included a colour video tracking camera, Global Positioning System (GPS) navigation instrumentation, a radar altimeter, a power line monitor and a base station magnetometer.

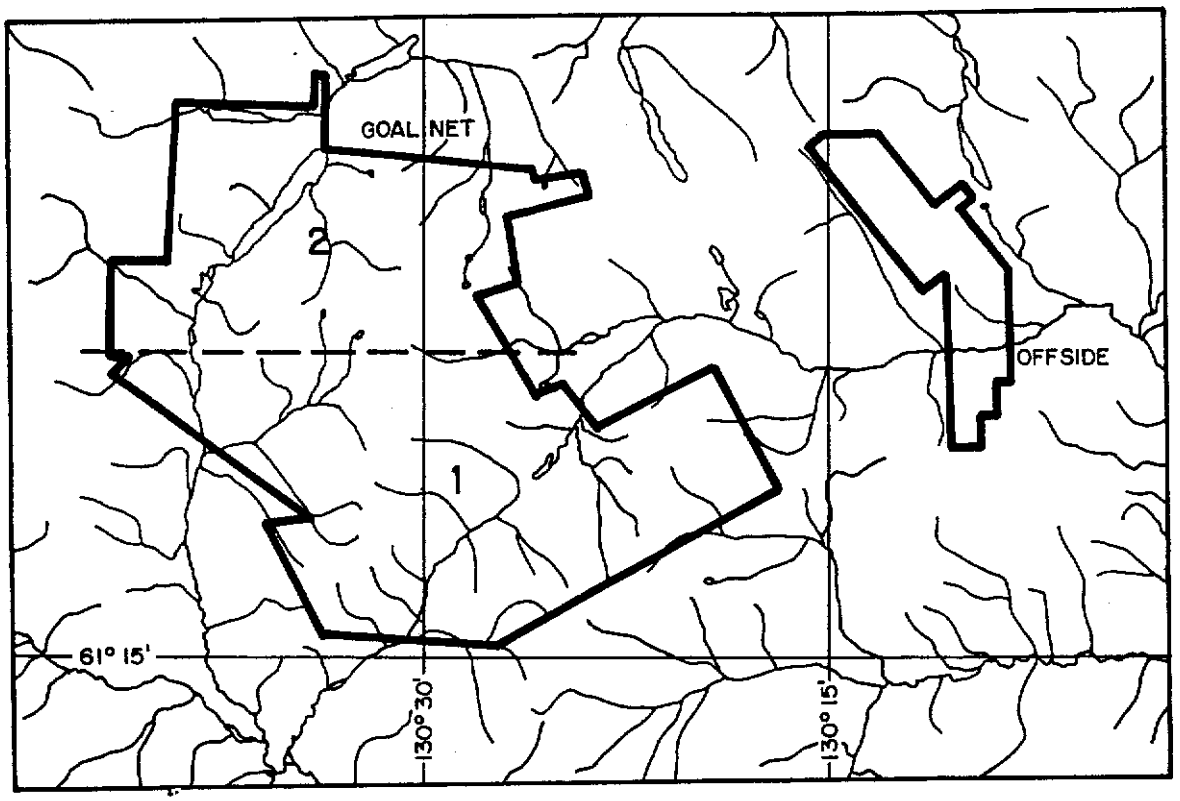
The survey covered an area of about 794 square kilometres located in southeastern Yukon. Total survey coverage is approximately 4229 line kilometres including 266 kilometres of tie lines. The Aerodat Job Number is J9603.

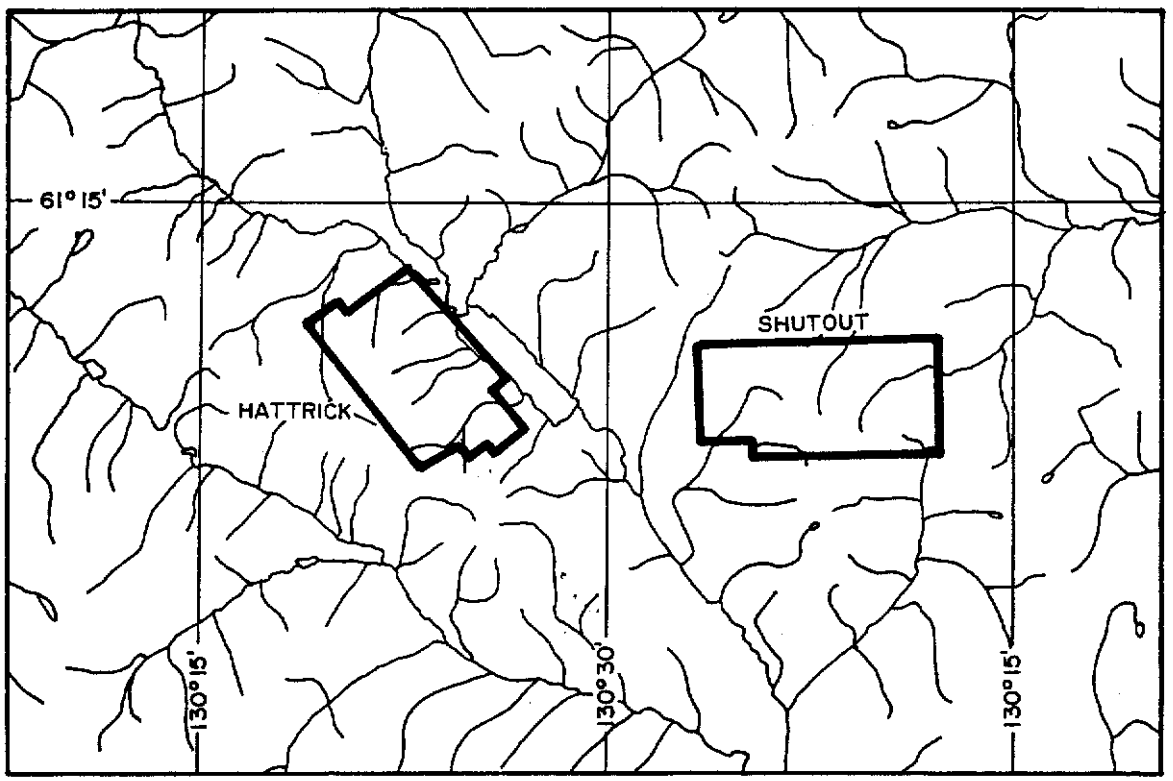
This report describes the survey, the data processing, data presentation and interpretation of the geophysical results. Identified electromagnetic anomalies appear on selected map products as EM anomaly symbols with interpreted source characteristics. The interpretation map indicates conductive areas of possible interest. It also shows prominent structural features interpreted from the magnetic results. Significant structural, conductive and/or magnetic associations are the basis for the selection of specific geophysical anomalies for further investigation.

2. SURVEY AREA

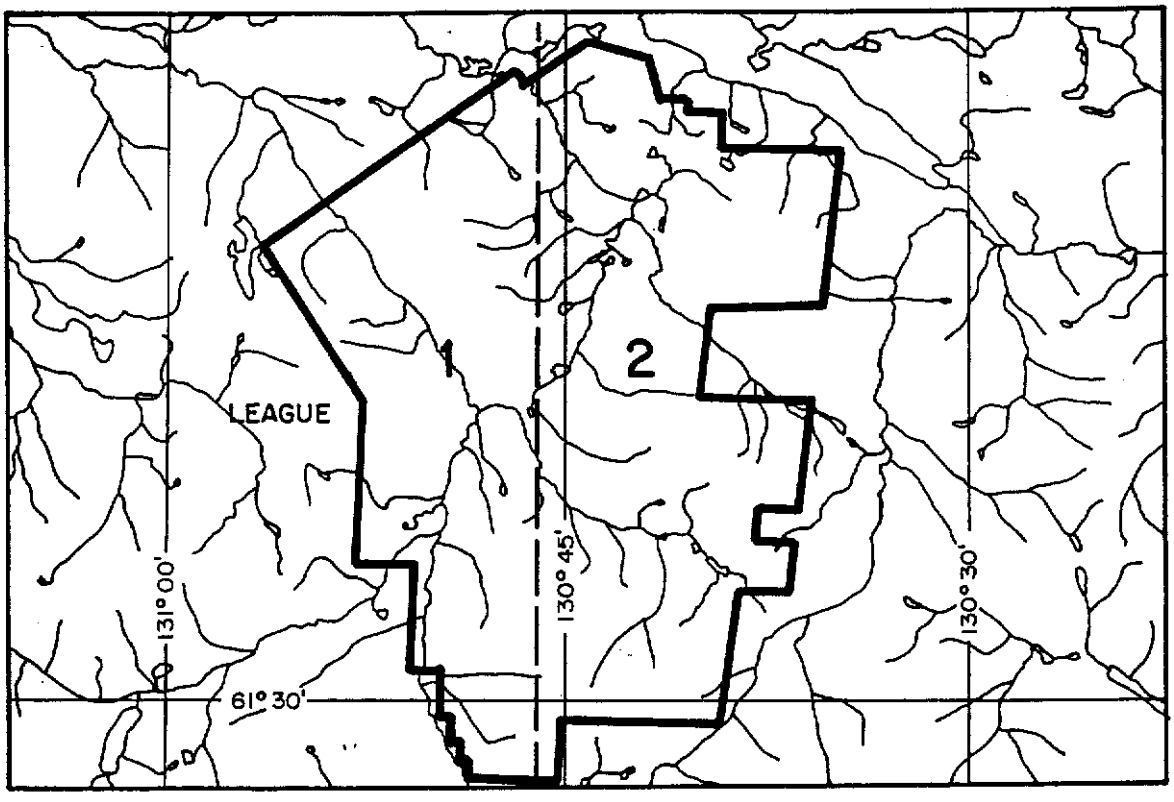
There are survey blocks located south and west of Finlayson Lake and Finlayson River system between Ross River to the northwest and Watson Lake to the south east. Topography is shown on the 1:50,000 scale NTS map sheets 105 G/1, G/2, G/7, G/8, G/10 and G/13 . Local relief is moderate to very rugged. Elevations range from 1,100 m to over 2,300 m above mean sea level. The survey area is shown in the attached index map that includes local topography and latitude - longitude coordinates. This index map also appears on all black line map products. Line spacing is 200 metres and other survey statistics are in the following table:

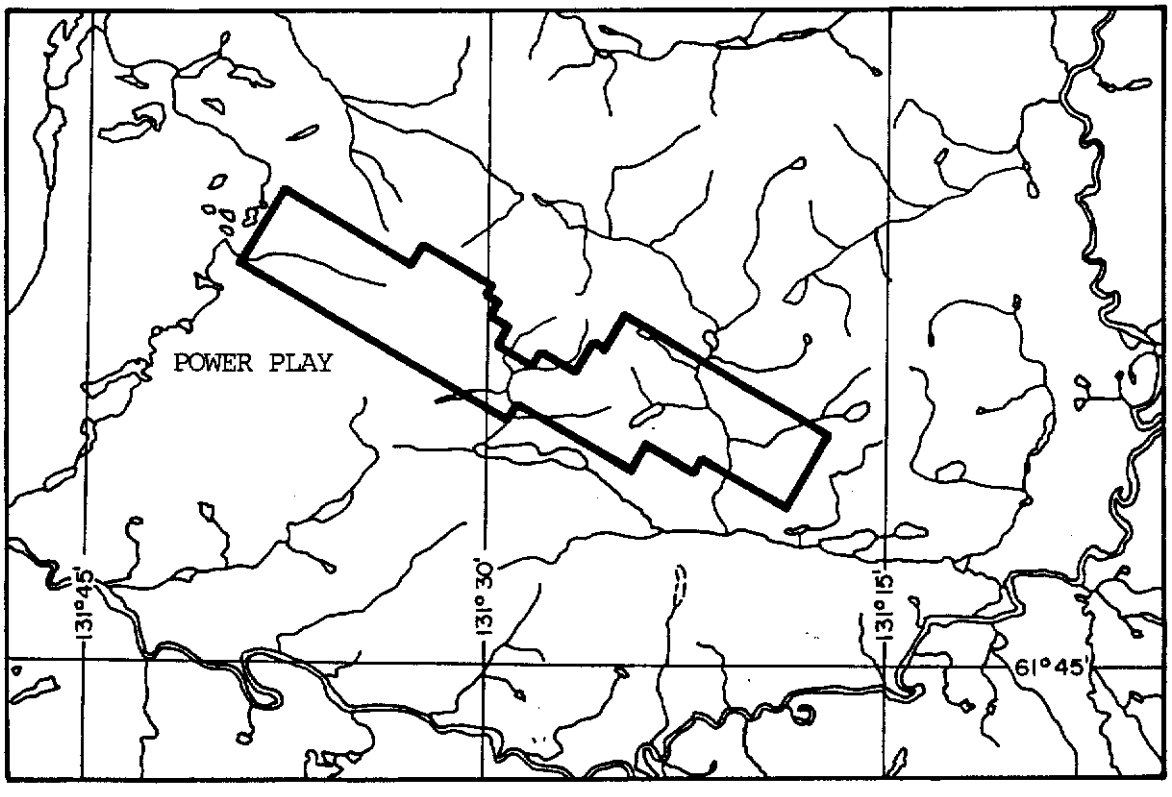
INDEX MAPS


GOAL NET
2
1
OFFSIDE
61° 15'
130° 30'
130° 15'

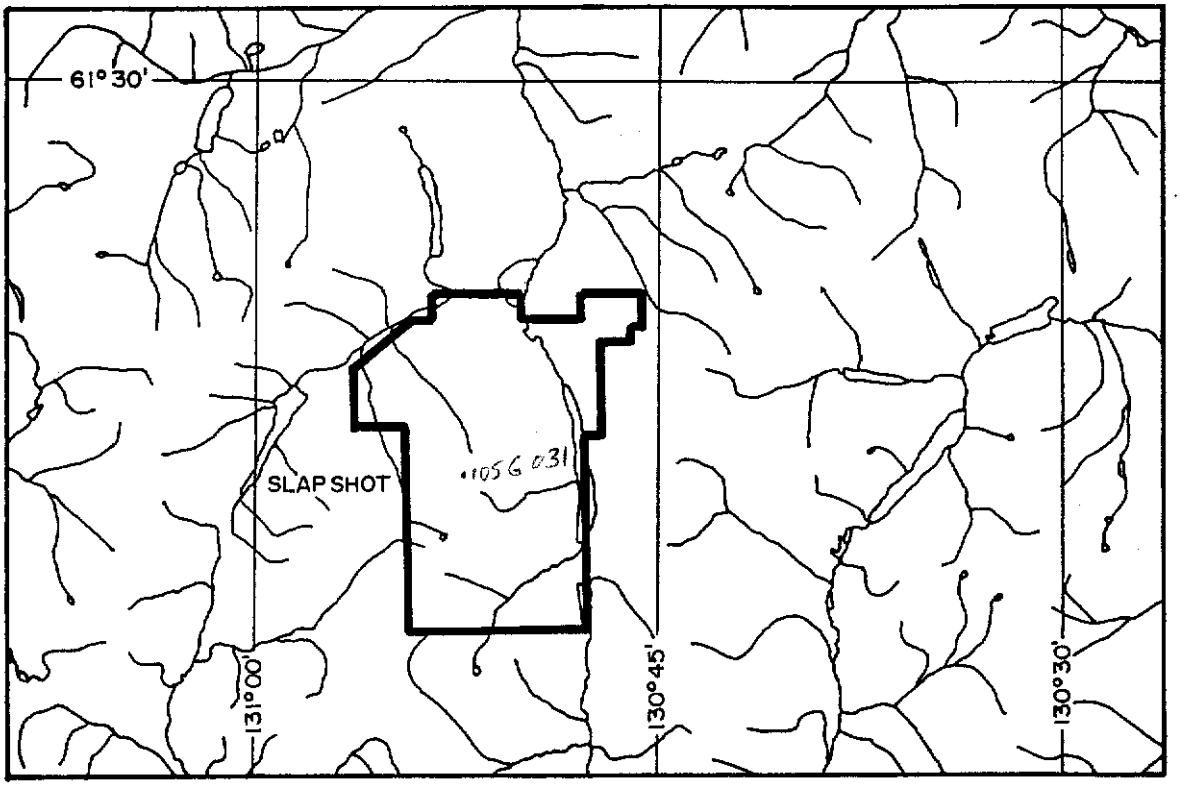

61° 15'
SHUTOUT
HATTRICK
130° 15'
130° 30'
130° 15'

INDEX MAPS


1
2
LEAGUE
131° 00'
130° 45'
130° 30'
61° 30'


POWER PLAY
131° 45'
131° 30'
131° 15'
61° 45'

INDEX MAPS



Survey Block	Line Direction	Area km^2	Line km	Tie Lines km	Total km
Goal Net	N - S	230	1149	82	1231
Hat Trick	NE - SW	76	378	27	405
League	N - S	293	1463	66	1529
Offside	NE - SW	28	140	15	155
Power Play	N 33° E	64	319	35	354
Shutout	N - S	28	140	14	154
Slapshot	N - S	75	374	27	401

3. GENERAL SURVEY LOGISTICS

The survey was completed in the period February 25 to April 16, 1996. Principal personnel are listed in Appendix III. A total of 62 survey flights was required to complete the project. Aircraft ground speed is maintained at approximately 60 knots (30 metres per second) and mean terrain clearance of 60 metres consistent with the safety of the aircraft and crew.

A global positioning system (GPS) consisting of a Magnavox MX 9212 operated in differential mode guides aircraft navigation and flight line control. Field processing of the differential GPS data in the field utilizes a PC using software supplied by the manufacturer. One system is installed in the survey helicopter. This involves mounting the receiver antenna on the tail boom. A second system acts as the base station.

The published NTS maps provide the Universal Transverse Mercator (UTM) coordinates of the survey area corners. These coordinates program the navigation system. A test flight confirms if area coverage is correct. Thereafter the navigation system guides the pilot along the survey traverse lines marked on the topographic map. The operator also enters manual fiducials over prominent topographic features. Survey lines showing excessive deviation are re-flown.

The magnetic tie line navigation is visual and, where possible, traverses cover areas of low topographic and magnetic relief. Aircraft position is registered by the navigation system. The operator calibrates the geophysical systems at the start, middle (if required) and end of every survey flight. During calibration the aircraft is flown away from ground effects to record electromagnetic zero levels.

4. DELIVERABLES

The report on the results of the survey is presented in four copies. Four copies of the colour and shadow maps are in accompanying map tube(s).

The black line maps show topography, UTM grid coordinates and the survey boundary. A full list of all map types is at the beginning of this report. A summary follows:

MAP NO.	DESCRIPTION
	COLOUR
1	Stacked Profiles
2	Total Field Magnetic Contours
3	Resistivity Contours
4	Conductors
5	Total Field Magnetic Shadow
6	Vertical Magnetic Gradient Contours
7	Compilation/Interpretation Map

The processed digital data, including both the profile and the gridded data, is on CD ROM'S (ISO 9660). Profile data is written as columnar ASCII records and the gridded data as standard Geosoft PC grids. A full description of the format is included with the package. All gridded data can be displayed on IBM compatible microcomputers using the Aerodat AXIS (Aerodat Extended Imaging System) or RTI (Real Time Imaging) software package. The complete data package includes all analog records, base station magnetometer records, flight path video tape and original map cronaflexes.

5. AIRCRAFT AND SURVEY EQUIPMENT

5.1 Aircraft

The survey aircraft was a SA315B Lama helicopter, piloted by B. Johnstone and G. Tremblay, owned and operated by Turbo West Helicopters Ltd. of Calgary. J. Cunningham and G. Webster of Aerodat acted as navigator and equipment operator. Aerodat performed the installation of the geophysical and ancillary equipment. The survey aircraft is flown at a mean terrain clearance of 60 metres (200 feet) and speed of 60 knots.

5.2 Electromagnetic System

The electromagnetic system is an Aerodat five frequency configuration. Two vertical coaxial coil pairs operate at frequency ranges of 935 Hz and 4,600 Hz and three

horizontal coplanar coil pairs at frequency ranges of 865, 4,175 Hz and 32 kHz. The actual frequencies used depend on the particular bird configuration. At the present time Aerodat has eight bird systems. This survey utilized the Osprey II bird with frequencies of 913 Hz and 4,360 Hz for the coaxial coil pairs and 850 Hz, 4,770 Hz and 34,300 Hz for the coplanar coil pairs. The transmitter-receiver separation is 6.4 metres. Inphase and quadrature signals are measured simultaneously for the five frequencies with a time constant of 0.1 seconds. The HEM bird is towed 30 metres (100 feet) below the helicopter.

5.3 Magnetometer

A Scintrex H8 cesium, optically pumped magnetometer sensor, measures the earth's magnetic field. The sensitivity of this instrument is 0.001 nanoTesla at a sampling rate of 0.2 second. The sensor is towed in a bird 15 metres (50 feet) below the helicopter 45 metres (150 feet) above the ground).

5.4 Ancillary Systems

Base Station Magnetometer

A Gem Systems, Inc. GSM19 magnetometer is set up at the base of operations to record diurnal variations of the earth's magnetic field. Synchronization of the clock of the base station with that of the airborne system is checked each day to insure diurnal corrections will be accurate. Recording resolution is 1 nT with an update rate of four seconds. Magnetic field variation data are plotted on a 3" wide gridded paper chart analog recorder. Each division of the grid (0.25") is equivalent to one minute (chart speed) or five nT (vertical sensitivity). The date, time and current total field magnetic value are automatically recorded every 10 minutes. The data is also saved to digital tape.

Radar Altimeter

A King KRA-10 radar altimeter records terrain clearance. The output from the instrument is a linear function of altitude. The radar altimeter is pre-calibrated by the manufacturer and is checked after installation using an internal calibration procedure.

Tracking Camera

A Panasonic colour video camera records the flight path on VHS video tape. The camera operates in continuous mode. The video tape also shows the flight number, 24 hour clock time (to .01 second), and manual fiducial number.

Global Positioning System (GPS)

The Global Positioning System is a U.S. Department of Defense program that will provide worldwide, 24 hour, all weather position determination capability. GPS consists of three segments:

- a constellation of satellites
- ground stations that control the satellites
- a receiver

The receiver takes in coded data from satellites in view and there after works out the range to each satellite. The coded data must therefore include the instantaneous position of the satellite relative to some agreed earth-fixed coordinate system. The satellite constellation consists of 24 satellites with a proportion of the satellites acting as standby spares.

Analog Recorder

An RMS dot matrix recorder displays the data during the survey. Record contents are as follows:

LABEL	PARAMETER	CHART SCALE
MAGF	Total Field Magnetics, Fine	2.5 nT/mm
MAGC	Total Field Magnetics, Coarse	25 nT/mm
L9XI	935 Hz, Coaxial, Inphase	2.5 ppm/mm
L9XQ	935 Hz,Coaxial,Quadrature	2.5 ppm/mm
M4XI	4,600 Hz, Coaxial, Inphase	2.5 ppm/mm
M4XQ	4,600 Hz, Coaxial, Quadrature	2.5 ppm/mm
L8PI	865 Hz, Coplanar, Inphase	2.5 ppm/mm
L8PQ	865 Hz, Coplanar, Quadrature	2.5 ppm/mm
M4PI	4,175 Hz, Coplanar, Inphase	10 ppm/mm
M4PQ	4,175 Hz, Coplanar, Quadrature	10 ppm/mm
H3PI	32,000 Hz, Coplanar, Inphase	20 ppm/mm
H3PQ	32,000 Hz, Coplanar, Quadrature	20 ppm/mm
BARO	Barometer	10 ft/mm

LABEL	PARAMETER	CHART SCALE
RALT	Radar Altimeter	10 ft/mm
PWRL	60 Hz Power Line Monitor	-

Data is recorded with positive - up, negative - down. The analog zero of the radar altimeter is 5 cm from the top of the analog record. A helicopter terrain clearance of 60 m (200 feet) should therefore be seen some 3 cm from the top of the analog record.

Chart speed is 2 mm/second. The 24-hour clock time is printed every 20 seconds. The total magnetic field value is printed every 30 seconds. The ranges from the radar navigation system are printed every minute.

Vertical lines crossing the record are manual fiducial markers activated by the operator. The start of any survey line is identified by two closely spaced manual fiducials. The end of any survey line is identified by three closely spaced manual fiducials. Manual fiducials are numbered in order. Every tenth manual fiducial is indicated by its number, printed at the bottom of the record.

Calibration sequences are located at the start and end of each flight and at intermediate times where needed.

Digital Recorder

A DGR-33 data system records the digital survey data on magnetic media. Contents and update rates are as follows:

DATA TYPE	RECORDING INTERVAL	RECORDING RESOLUTION
Magnetometer	0.1 second	0.001 nT
HEM, (8 or 10 Channels)	0.1 second	
HEM, coaxial		0.03 ppm
HEM, coplanar- 865 Hz/4,175 Hz		0.06 ppm
HEM, coplanar- 32,000 Hz		0.125 ppm
Position (2 Channels)	0.2 second	0.1 m
Altimeter	0.2 second	0.05 m
Power Line Monitor	0.2 second	

DATA TYPE	RECORDING INTERVAL	RECORDING RESOLUTION
Manual Fiducial		
Clock Time		

6. DATA PROCESSING AND PRESENTATION

6.1 Base Map

The base map is taken from a photographic enlargement of the NTS topographic maps. A UTM reference grid (grid lines usually every kilometre) and the survey area boundaries are added. After registration of the flight path to the topographic base map, some topographic detail and the survey boundary are added digitally. This digital image forms the base for the colour and shadow maps.

6.2 Flight Path Map

Global Positioning System

The GPS receiver takes in coded data from satellites in view and there after calculates the range to each satellite. The coded data must therefore include the instantaneous position of the satellite relative to some agreed earth-fixed coordinate system.

A further calculation using ranges to several satellites gives the position of the receiver in that coordinate system (eg. UTM, lat/long.). The elevation of the receiver is given with respect to a model ellipsoidal earth.

Normally the receiver must see four satellites for a full positional determination (three space coordinates and time). If the elevation is known in advance, only three satellites are needed. These are termed 3D and 2D solutions.

The position of the receiver is updated every tenth of a second. The accuracy of any one position determination is described by the Circular Error Probability (CEP). Ninety-five percent of all position determinations will fall within a circle of a certain radius. If the horizontal position accuracy is 25 m CEP, for example, 95% of all trials will fall within a circle of 25 m radius centred on the mean. The system may be degraded for civilian use and the autonomous accuracy is then 100 m CEP. This situation is called selective availability (SA). Much of this error (due principally to satellite position/time errors and atmospheric delays) can be removed using two GPS receivers operating simultaneously. One receiver acting as the base station, is at a known position. The second remote receiver is in the unknown position. Differential corrections

determined for the base station may then be applied to the remote station. Differential positions are accurate to five m CEP (for a one second sample). Averaging will reduce this error further.

Flight Path

The flight path is drawn using linear interpolation between x,y positions from the navigation system. These positions are updated every second (or about 1.5 mm at a scale of 1:20,000). Occasional dropouts occur when the optimum number of satellites are not available for the GPS to make accurate positional determinations. Interpolation is used to cover short flight path gaps. The navigator's flight path and/or the flight path recovered from the video tape may be stitched in to cover larger gaps. Such gaps may be recognized by the distinct straight line character of the flight path.

The manual fiducials are shown as a small circle and labelled by fiducial number. The 24-hour clock time is shown as a small square, plotted every 30 seconds. Small tick marks are plotted every two seconds. Larger tick marks are plotted every 10 seconds. The line and flight numbers are given at the start and end of each survey line.

The aircraft position is expressed in geographic latitude and longitude coordinates, using the international WGS84 spheroid. Any particular survey area located on the globe has a specific reference ellipsoid or projection zone. A further refinement for a better fit to the earth's surface at the survey location is applied by adding or subtracting slight x, y and/or z datum shifts (a few metres to hundreds of metres) to the origin of the ellipsoid. The geographic coordinates are converted to fit this ellipsoid before calculating the UTM coordinates. The UTM coordinates are expressed as UTM eastings (x) and UTM northings (y).

The flight path map is merged with the base map by matching UTM coordinates from the base maps and the flight path record. The match is confirmed by checking the position of prominent topographic features as recorded by manual fiducial marks or as seen on the flight path video record.

6.3 Electromagnetic Survey Data

The electromagnetic data are recorded digitally at a sample rate of 10 per second with a time constant of 0.1 seconds. A two stage digital filtering process rejects major sferic events and reduces system noise. Local sferic activity can produce sharp, large amplitude events that cannot be removed by conventional filtering procedures. Smoothing or stacking will reduce their amplitude but leave a broader residual response that can be confused with geological phenomena. To avoid this possibility, a computer algorithm searches out and rejects the major sferic events. This is referred to as a "surgical mute" in signal processing terms. The signal to noise ratio is further enhanced by the application of a low pass digital filter. This filter has zero phase shift that

prevents any lag or peak displacement from occurring, and it suppresses only variations with a wavelength less than about 0.25 seconds. This low effective time constant gives minimal profile distortion.

Following the filtering process, a base level correction is made using EM zero levels determined during high altitude calibration sequences. The correction applied is a linear function of time that ensures the corrected amplitude of the various inphase and quadrature components is zero when no conductive or permeable source is present. The filtered and levelled data are the basis for the determination of apparent resistivity (see following section). The inphase and quadrature responses along the flight line are presented in profile form offset along the flight lines. Differentiation of the various profiles is achieved using two colours (coaxial and coplanar) and two line weights (inphase and quadrature). For interpretation purposes the coaxial and coplanar data sets for a similar frequency range are presented together on one map (865/935 and 4,175/4,600).

6.4 Total Field Magnetics

The aeromagnetic data is corrected for diurnal variations by adjustment with the recorded base station magnetic values. No corrections for regional variations are applied. The corrected profile data are interpolated on to a regular grid using an Akima spline technique. The grid provided the basis for threading the presented contours. The minimum contour interval is 2 nT with a grid cell size of 50 m. Magnetic high areas are assigned warm colours (orange/red) while magnetic low areas show as cool colours (blue).

6.5 Calculated Vertical Magnetic Gradient

The vertical magnetic gradient is calculated from the gridded total field magnetic data. The calculation is based on a 17 x 17 point convolution in the space domain. The results are contoured using a minimum contour interval of 0.05 nT/m. Grid cell sizes are the same as those used in processing the total field data. The high and low amplitude responses are give the same colour representation as the total field contours.

6.6 Colour Relief or Shadow Map of Total Field Magnetics

A useful manipulation of the magnetic data is the production of a colour shadow map. It is an aid in the interpretation and presentation of the magnetic information. The shadow map displays two independent variables simultaneously on the same map. The two variables are the amplitude and the gradient of the quantity measured over the mapping region. At every point or grid cell on the map the hue represents the amplitude of the magnetic value and the lightness/darkness of the hue is varied according to the slope or gradient of the data at the cell location. The gradient is translated into a reflectance parameter with respect to a chosen illumination direction. Subtle magnetic

structures having a specific trend are enhanced or attenuated depending on the position and angle to the horizon of the light source relative to the trend. If the light source is orthogonal to the trend there will be maximum shadow relief. Regional discontinuities representing fault structures are easily recognized with shadow enhancement.

6.7 Apparent Resistivity

The apparent resistivity is calculated by assuming a 200 metre thick conductive layer over resistive bedrock. The computer determines the resistivity that would be consistent with the sensor elevation and recorded inphase and quadrature response amplitudes at the selected frequency. The apparent resistivity profile data is re-interpolated onto a regular grid at a 50 metres true scale interval using an Akima spline technique and contoured using logarithmically arranged contour intervals. The minimum contour interval depends on the selected frequency and is in units of log(ohm.m) in logarithmic intervals of 0.1, 0.5, 2.5, 10.0 etc. The colour presentation assigns warmer colours (reds) to low resistivity or very conductive responses and cooler colours (blues) to high resistivity or poor conductivity responses.

The highest measurable resistivity is approximately equal to the transmitter frequency. The lower limit on apparent resistivity is rarely reached.

7. INTERPRETATION

7.1 Area Geology

The properties cover the rocks of the Yukon-Tanana Terrane comprising, in part, mafic and felsic metavolcanics, carbonaceous metasediments, quartzeye grits and orthogneiss intruded by felsic and mafic stocks. Cominco Ltd. and Westmin Resources Ltd. are developing massive sulphide base metal deposits to the north and east of the survey blocks.

7.2 Magnetic Interpretation

The total field magnetic responses reflect major changes in the magnetite content of the underlying rock units. The amplitude of the magnetic responses relative to the regional background help to assist in identifying specific magnetic and nonmagnetic units related to, for example, mafic flows or tuffs, mafic to ultramafic intrusives, felsic intrusives, felsic volcanics and/or sediments etc. Obviously, several geological sources can produce the same magnetic response. These ambiguities can be reduced considerably if basic geological information on the area is available to the geophysical interpreter.

In addition to amplitude variations, magnetic patterns related to the geometry of the particular rock unit also help in determining the probable source of the magnetic

response. For instance, long narrow magnetic linears usually reflect mafic tuff/flow horizons or mafic intrusive dyke structures while semi-circular features with complex magnetic amplitudes may be produced by local plug-like intrusive sources such as pegmatites, carbonatites or kimberlites.

The calculated vertical magnetic gradient assists considerably in mapping weaker magnetic linears that are partially masked by nearby higher amplitude magnetic features. The broad zones of higher magnetic amplitude, however, are severely attenuated in the vertical magnetic gradient results. These higher amplitude zones reflect rock units having magnetic susceptibility signatures. For this reason both the total and gradient magnetic data sets must be evaluated.

Theoretically the magnetic gradient zero contour line marks the contacts or limits of large magnetic sources. This applies to wide sources, greater than 50 metres, having simple slab geometries and shallow depth.(See discussion in Appendix I) Thus the gradient map also aids in the more accurate delineation of contacts between differing magnetic rock units.

The cross cutting structures, shown on the interpretation map as faults, are based on interruptions and discontinuities in the magnetic trends. Generally, sharp folding of magnetic units will produce a magnetic pattern indistinguishable from a fault break. Thus, if anomaly displacements are small such fault structures, where they mark an anomaly interruption, may actually represent a deformation node rather than faulting.

7.3 Magnetic Survey Results and Conclusions

To facilitate the following discussion of the magnetic results it is suggested the interpretation map be compared with the total field and vertical gradient magnetic colour contour maps either as overlays or side by side. Magnetic background levels are about the same for all the properties but minimums and maximums below and above this background are variable from property to property. These variations are tabulated following:

PROPERTY	BACKGROUND	MINIMUM	MAXIMUM
GOAL NET	58,200	-1,200	+2,500
HAT TRICK	58,200	-250	+600
LEAGUE	58,200	-180	+700
OFFSIDE	58,225	-85	+200
POWER PLAY	58,100	-150	+110

PROPERTY	BACKGROUND	MINIMUM	MAXIMUM
SHUTOUT	58,180	-50	+200
SLAPSHOT	58,175	-275	+475

Goal Net Property

This property is dominated by high amplitude, greater than 1,000 nT, anomalies which form a series of arcuate magnetic centres and complexes. Generally, this type of anomaly has sharp flanks on all sides suggesting a depth limited, possibly flat lying to gently dipping source. The relatively high amplitudes indicate mafic to ultramafic rocks could be present such as gabbro or serpentinite. The discrete circular nature of some of the anomaly centres suggests they relate to a volcanic intrusive centre or diatreme.

The remaining magnetic signatures comprise erratic, sinuous, short and usually lower amplitude trends. These anomalies may be contemporaneous with the activity related to the higher amplitude magnetic centres. Alternatively, earlier or later intrusive activity may have been the source of these weaker erratic trends.

Hat Trick Property

Very sinuous and folded anomaly trend patterns are characteristic of this property. The area has obviously undergone severe deformation and probable intrusive activity. The relatively higher amplitude magnetic horizons are indicated with thicker lines. They occupy the north central, central and south central portions of the claim block and probably represent several periods of mafic volcanic intrusive or flow events. Some of the anomalies with sharp gradient flanks may be thin flat lying source bodies. The main anomaly in the south portion of the property may reflect a volcanic centre.

League Property

There are two major types of magnetic responses on this property. Broad semi-circular to elongated relatively low amplitude anomalies with low gradient flanks are scattered throughout the property. This type of anomaly is shown encircled with a thick line on the interpretation maps. The vertical gradient results do not map these anomalies as they reflect deep seated magnetic sources. They could be possibly plutonic in origin or, alternatively, slightly magnetic gently dipping mafic volcanic units overlain by non-magnetic rocks such as sediments and or felsic volcanics.

The second type of response comprises high amplitude sharply defined anomalies with negative flanks. They are shown enclosed with a line and cross hatched on the interpretation map. These anomaly types occur as an erratic series of narrow anomalies forming a string of responses trending across the centre and along the western boundary

of the property. They are probably related to gently north and east dipping mafic volcanic flows and tuffs possibly associated with the deeper source magnetic centres just described.

The remaining magnetic anomalies consist of a series of short, often sinuous, narrow low amplitude features scattered throughout the area but concentrated mainly in the south part of the property. Some are only discernable on the vertical gradient map as they are subtle features often masked by more magnetic bodies on the total field data. They are probably related to shallow narrow magnetic units associated with mafic volcanic flow or tuffs possibly intercalated with felsic rocks. Their amplitude and geometry characteristics are different from the major shallow source anomalies in the centre and west parts of the area. Thus, it is expected the more subtle anomaly trends in the south part of the property represent a different stratigraphic sequence or deposition event. The local magnetic background is lower in the south half of the property, compared to the north, further suggesting a different geological setting.

Offside Property

Long linear horizons occupy the northwest two thirds of the property. The central portion of the area contains the highest amplitude responses. Thin mafic volcanic flows, tuffs intrusive dyke structures are the possible source of these responses. Some anomaly displacements have been explained by fault structures.

In the extreme south part of the block there is a circular magnetic feature which translates into arcuate linear patterns on the vertical gradient map. This circular pattern suggests a local mafic intrusive source may underlie this zone.

Power Play Property

The magnetic amplitudes are quite low on this property. In fact, the greatest amplitude difference is registered by a negative anomaly at the extreme west part of the property on the north boundary. This anomaly is 150 nT below background. It is probably related to another extensive magnetic domain to the north with greater amplitude differences similar to that seen on the Goal Net property.

The positive amplitude portion of this area consists of intermittent narrow linear horizons trending east-southeast with amplitudes from 20 to 50 nT above background. A few local higher amplitude semi-circular features having amplitudes up to the maximum of 110 nT are present in the west and east central part of the block. A series of thin slightly magnetic mafic horizons possibly reflecting flow or tuff units intercalated with felsic volcanics or sediments are the likely source of the low amplitude responses on this property. The linearity and uniformity of the magnetic trends indicates the area has not undergone any major period of deformation and is probably some distance from any volcanic centre or tectonic domain.

Shutout Property

A high amplitude magnetic complex dominates the western half of the survey block. The twisted and folded anomaly patterns and gentle amplitude gradients away from the zone suggest a possible mafic intrusive origin for the magnetic disturbance and additional deformation. To the east there are a few short east-west trending magnetic linears which may reflect the original magnetic fabric of the area. Some of these linears are of interest as they correlate with conductive responses.

Slapshot Property

This area also has low magnetic levels generally ranging from 50 to 100 nT above background in the form of short east-west striking trends. The highest amplitude anomaly is in the northwest corner of the property with magnetic amplitudes diminishing away from this area. North-northwest to north-northeast fault structures are positioned to explain some of the anomaly displacements and interruptions. A few of the magnetic linears correlate with conductive responses to be discussed in a following section.

7.4 Electromagnetic Anomaly Selection/Interpretation

Usually two sets of stacked colour coded profile maps of one coaxial and one coplanar inphase and quadrature responses are used to select conductive anomalies of interest. Selection of anomalies is based on conductivity as indicated by the inphase to quadrature ratios of the 935 Hz and/or 4,600 Hz coaxial data, anomaly shape, and anomaly profile characteristics relative to coaxial and corresponding coplanar responses.(see discussion and figure in Appendix I) It is difficult to differentiate between responses associated with the edge effects of flat lying conductors and actual poor conductivity bedrock conductors on the edge of or overlain by flat lying conductors. Poor conductivity bedrock conductors having low dips will also exhibit responses that may be interpreted as surficial overburden conductors. In such cases, where the source of the conductive response appears to be ambiguous, the anomaly is still selected for plotting. In some situations the conductive response has line to line continuity and some magnetic association thus providing possible evidence that the response is related to an actual bedrock source.

In some areas the inphase profile component exhibits a negative anomaly response usually over obvious magnetic areas. This is produced by local concentrations of magnetite and usually occurs when the sensor is flying close to the ground surface. If only magnetite is present there will be no quadrature response associated with the negative inphase response. If conductive material is present, however, such as graphite or sulphides, a positive quadrature response will be evident with the negative inphase response. In this case the anomaly is selected for plotting and evaluation and designated as a magnetic/conductive response.

The calculation of the depth to the conductive source and its conductivity is based on the 935 Hz data for the Power Play property and the 4,600 Hz data the rest of the properties and assumes a thin vertical sheet model. The amplitude of the inphase and quadrature responses are used for the calculations which are automatically determined by computer. These data are listed in Appendix II and the depth and conductivity values are shown with each plotted anomaly. Further detailed discussion and illustration of the determination of these values is contained in Appendix I.

The selected anomalies are automatically categorized according to their conductivity and amplitude. The calculation of the conductivity of low amplitude anomalies can be very inaccurate. Therefore, anomalies having amplitudes below a certain level and/or low conductivity value are given a zero rating with the category increasing for increasing conductivity values that are statistically reliable.

7.5 Electromagnetic Survey Results and Conclusions

Very conductive flat lying to gently dipping material is contributing to the electromagnetic responses in various degrees throughout survey blocks League and Power Play. This usually immediately implies conductive overburden is the main source of the conductive effects. The extreme low resistivity levels, from 30 to below 2 ohm metres, are more indicative of conductive sediments containing graphite and/or pyrite rather than alluvial material.

Thus, it is postulated, the lowest resistivity zones are mapping stratigraphy. Therefore, in order to compare these conductive areas with the magnetic structures, the limits of the lowest resistivity zones are outlined on the interpretation maps. Before proceeding further a discussion of some of the electromagnetic profile signatures seen on the profile maps is appropriate as these signatures indicate the source geometries of the conductors.

The flat lying responses are characterized by identically shaped coaxial and coplanar response profiles while gently dipping responses show a slight offset of the coaxial peak from the coplanar peak. These response shapes are illustrated in Appendix I, in the figure entitled "HEM Response Profile Shapes ....." profiles B, C and I. For a gently dipping source the small up-dip tail of the coplanar profiles B and C is not present. Note the coplanar peak is down dip from the coaxial peak. For the present areas most of the responses are related to very conductive flat lying material and the resistivity maps give the best presentation of these types of conductors.

Other flat lying type, but more limited width, conductive responses are present in some locations. These responses are characterized by a "M" shaped coaxial anomaly with a single peaked coplanar anomaly centred in the trough between the two coaxial peaks. This is illustrated in Appendix I in the same figure as previously mentioned (see profile shape E or G).

The actual geometry of the source of these flat ribbon type responses is difficult to determine. Where the profile is not perfectly symmetrical, a shallow dipping sheet conductor may be present. A combination of vertical and horizontal conductors similar to profile shape H in Appendix I could also produce such responses. Without a detailed knowledge of the geological structure in the area a probable source geometry can not be ascertained.

Extensive flat lying to gently dipping conductors often have an "edge effect" anomaly which is a coaxial peak on the flank of the coplanar responses similar to one side of profile E, G or H. Often only one edge can be seen if the source is dipping.

Discussion of the results from each area follows:

Goal Net Property

This area is quite resistive with very little conductive activity. There are several negative inphase responses related to the susceptibility effect of magnetite. Most of the EM intercepts selected for plotting are poor conductivity responses. Nonetheless, there are a few that correlate with the weaker magnetic trends described previously. Several anomalies having good profile characteristics, usually associated with a bedrock source, have a definite magnetic component. Some of these more definite but poor conductivity anomalies are designated for investigation. A total of 13 anomalies are indicated with anomalies 1 to 4 present on the north sheet and the remaining on the south map sheet.

Anomalies 1, 2, 3, 4, 6, 7 and 8 have essentially direct magnetic correlation with portions of magnetic horizons. Anomalies 11, 12 and 13 are more spatially related to portions of magnetic trends and lack a clear direct magnetic relationship. The remaining anomalies, 5, 9 and 10, have no magnetic associations although 9 and 10 flank the higher amplitude magnetic centres described in a previous section. Anomaly 5 is located within a gulley and may be related to conductive overburden. Anomalies 4, 6, 11 and 12 are also peripheral to magnetic centres. The significance of these associations is not known at the present time. High priority anomalies are the anomalies having direct magnetic correlation with all remaining anomalies considered to be second priority targets.

Hat Trick Property

This area is similar to the Goal Net property with a resistive environment and poor to medium conductivity EM intercepts. Several areas have discrete EM profile characteristics and some are coincident with magnetic trends. A total of 15 conductive zones have been designated for investigation. Conductors 1, 2, 4, 8, 10 and 15 are coincident with magnetic horizons while conductors 3, 5, 6, 11, 13 and 14 have intermittent or a spatial association with magnetic trends. Conductor 2 and the south part of 1 are in topographic low areas and could possibly be related to conductive

overburden. Conductors with the best amplitude and/or magnetic characteristics are 1, 6, 7, 8, 10, 11, the north part of 13 and 14. The other designated conductors have either poorer conductivity or lower amplitude characteristics.

League

This block is covered by extensive very conductive gently dipping to flat lying material. As suggested previously, graphitic/pyritic metasediments are the probable source of these responses. In order to show the more conductive zones the approximate trace of the 30 ohm metre contour line using the 4,600 Hz data is shown with an alternating dashed and dotted line on the interpretation map. Some of these zones cover the shallow magnetic source anomalies described previously while others are obviously in contact with them.
A massive sulphide body will have the same conductive response as conductive sediments. It is impossible to differentiate between the two sources as both can have a flat lying to steeply dipping source geometry. Detailed geological information would aid in delineating the more promising areas with the best potential for hosting volcanogenic massive sulphide bodies. Without this information, however, an initial selection of conductors has been made based on anomaly amplitude, magnetic association and possible unique or isolated characteristics of the profile responses. This, obviously, is a very subjective process.

In all, 18 conductive areas have been designated on the interpretation map. Nine on each map sheet. Anomalies 1 to 9 are on the west sheet and 10 to 18 are on the east sheet. Conductors associated with the shallow source magnetic anomalies are 1, 3, 4, 5, 6, 7, 8, 10 and 15. Anomalies 2, 9, 11, 13 and 14 are high amplitude responses while 12, 16, 17 and 18 are separate or additional semi-isolated responses. Highest priority is assigned to the conductors with magnetic association even though the correlation may be fortuitous. Second priority exploration targets are the more isolated slightly unique responses and the lowest priority are the high amplitude anomalies as most of these are just part of larger conductive zones and may be thicker, shallow and more conductive portions of the interpreted conductive sediment units.

Offside Property

There are a few poor conductivity EM intercepts scattered about the central part of the property probably reflecting slightly conductive overburden. Four conductors are designated for checking. Conductors 1, 2 and 3 were chosen because of their associations with longer magnetic linears. This may be a fortuitous relationship but investigation of the source of these responses is suggested on a second priority basis. Conductor 4 is an isolated profile response close to a fault structure interpreted from the magnetics and deserves an explanation.

Power Play Property

This property is similar to the League claim group containing very conductive anomalous zones related to flat lying to gently dipping sources. Conductive sediments are the likely source of these responses. The extent of the more conductive zones is indicated on the interpretation map with a dashed dotted line following the approximate trace of the 10 ohm metre contour line using the 4,600 Hz data.

As with the League property, it is impossible to differentiate between the response from very conductive sediments and massive sulphide bodies as both can have a flat lying to steeply dipping source geometry. Without any other filtering process a selection of twelve conductive zones have been outlined on the interpretation map for investigation. Conductors 4, 5, 6, 7, 11 and 12 correlate with low amplitude magnetic linear horizons while conductor 10 covers a portion of a large magnetic anomaly contained within an even larger conductive zone. It is suspected the conductive zone overlies the source of the magnetic anomaly and has no relationship to it but evaluation of the area is suggested. The other conductors, numbers 1, 2, 3, 8 and 9, are selected for evaluation. The selection is rather random, however, other than they have good conductivity and profile characteristics.

First priority targets are the magnetic associated conductors 4, 5, 6, 7, 11 and 12 with the remaining conductors considered secondary objectives.

Shutout Property

None of the EM intercepts on this property exhibit good conductivity attributes. Four conductive zones have been designated, however, because of their magnetic correlations. Conductors 1, 2 and 4 may just be fortuitous relationships but number 3 is coincident with an isolated magnetic response and is considered the best exploration target on the property. The other conductors are lower in priority.

Slapshot Property

This property is similar in conductive content to the Shutout property containing poor conductivity responses possibly associated with weakly conductive overburden. Of significance, however, is the direct correlation of several of the intercepts with weak magnetic linears. Nine conductive zones are designated for investigation. Conductors 1, 5, 6 and 9 are coincident with discrete magnetic linears while conductor 3 is coincident with part of a longer linear magnetic horizon but correlates with a gulley and may not be related to a bedrock feature. The poor conductivity and weak magnetic correlation could reflect a small amount of pyrrhotite in a volcanic tuff or sedimentary unit. Nevertheless, evaluation of these conductors is warranted as they may be indicators of more interesting mineralization.

Conductors 2, 4, 7 and 8 have no direct magnetic correlation but are recommended for investigation on a low priority basis. Conductors 7 and 8 fall along topographic lows and are suspect as bedrock anomalies.

8. RECOMMENDATIONS

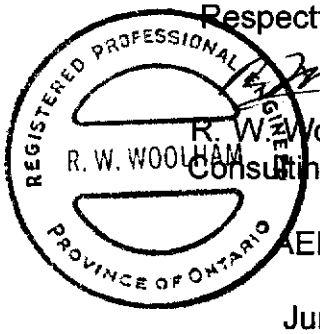
Selection of geophysical anomalies for further investigation is based on the structural and magnetic associations of the designated conductors as well as their relative conductivity. Prior to any ground follow-up, the following priority categories should be reviewed with respect to the geological target model being sought and known geology and mineralization in the area.

The conductors are prioritized as first or second priority investigation targets. This priority rating is essentially based on whether a conductor has magnetic correlation rather than its conductivity attributes. The conductors designated on the League and Power Play properties are all high conductivity responses and evaluation of these responses should be given first priority over the other properties unless specific geological or geochemical information favours different priorities. The conductor priority ratings are tabulated following:

PROPERTY	FIRST PRIORITY	SECOND PRIORITY
Goal Net	1, 2, 3, 4, 6, 7, 8	5, 9 to 13
Hat Trick	1, 6, 7, 8, 10, 11, 13, 14	2, 3, 4, 5
League	1, 3 to 8, 10, 15	2, 9, 11 to 14, 16 to 18
Offside	None	1 to 4
Power Play	4 to 7, 11, 12	1, 2, 3, 8, 9, 10
Shutout	3	1, 2, 4
Slapshot	1, 5, 6, 9	2, 3, 4, 7, 8

The magnetic and conductive anomalies recommended for investigation represent a first phase exploration program. Additional work will be contingent on the results of this program. More detailed geological information used in conjunction with geophysics may help to direct further exploration efforts.

Respectfully submitted,



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Consulting Geophysicist
for
AERODAT INC.

J9603

June 13, 1996

APPENDIX I

GENERAL INTERPRETIVE CONSIDERATIONS

GENERAL INTERPRETIVE CONSIDERATIONS

Electromagnetic

The Aerodat electromagnetic system utilized two different transmitter-receiver coil geometries. The traditional coaxial coil configuration is operated at widely separated frequencies. The horizontal coplanar coil configuration is similarly operated at different frequencies where at least one pair is approximately aligned with one of the coaxial frequencies.

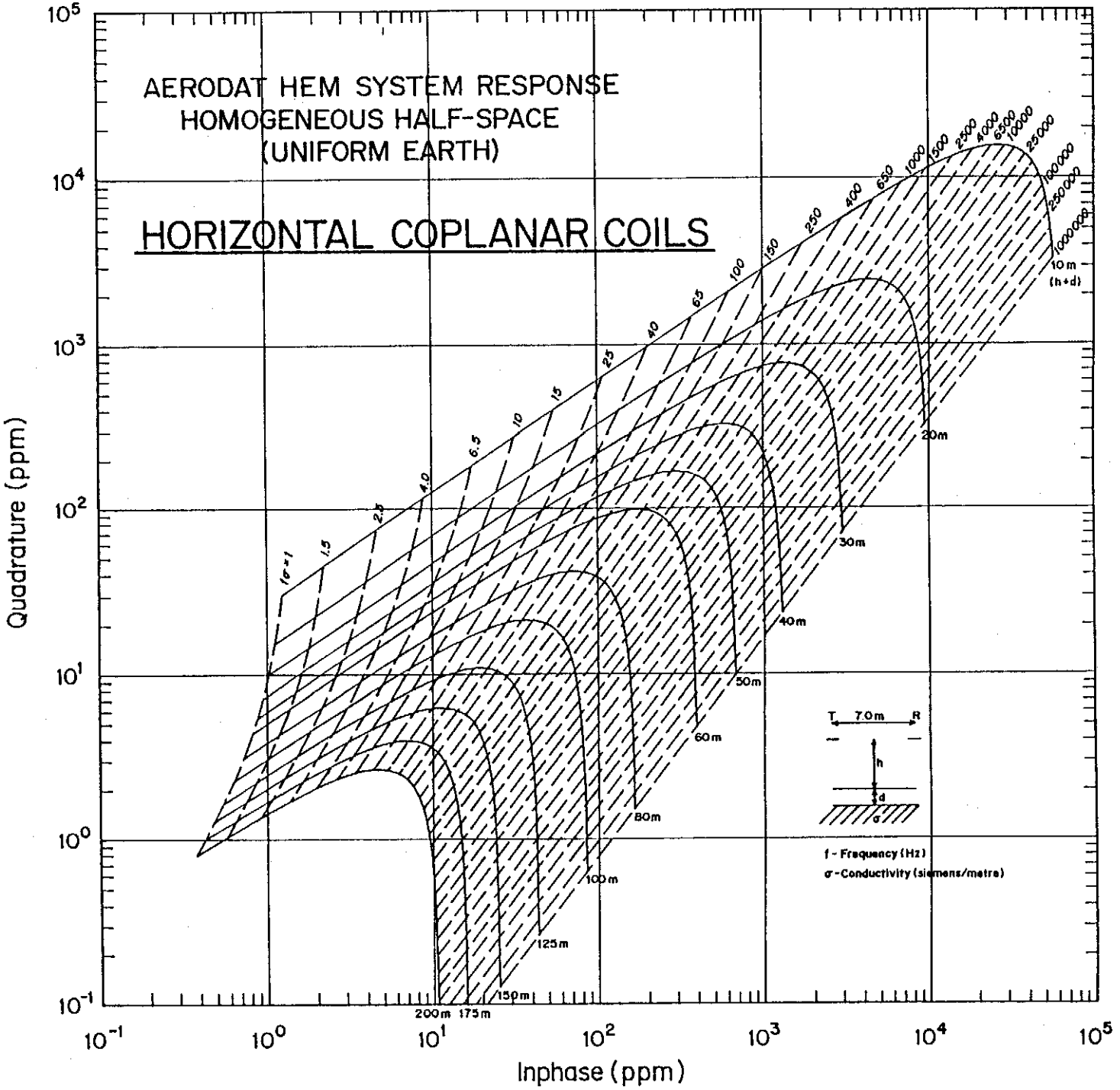
The electromagnetic response measured by the helicopter system is a function of the "electrical" and "geometrical" properties of the conductor. The "electrical" property of a conductor is determined largely by its electrical conductivity, magnetic susceptibility and its size and shape; the "geometrical" property of the response is largely a function of the conductor's shape and orientation with respect to the measuring transmitter and receiver.

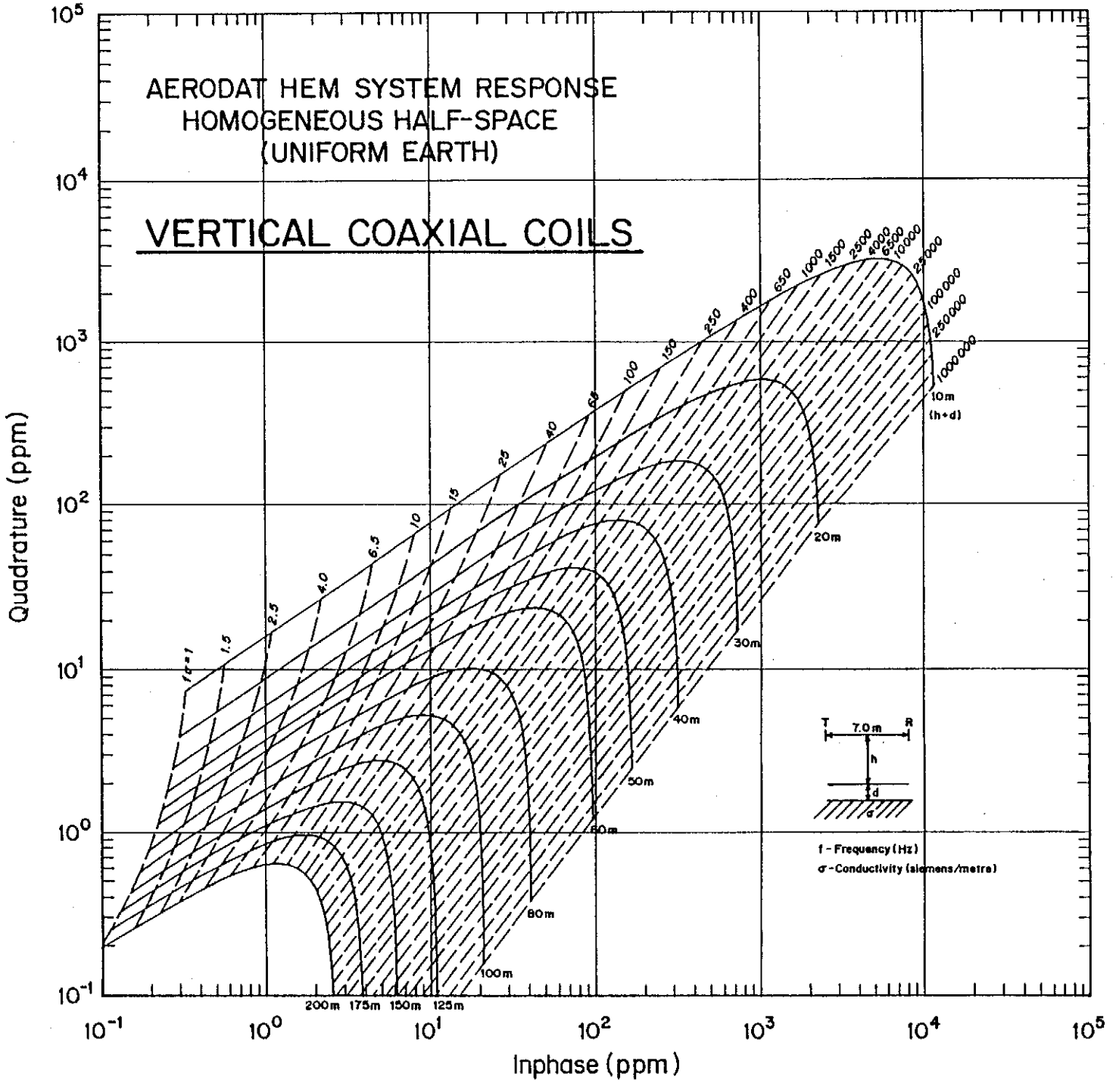
Electrical Considerations

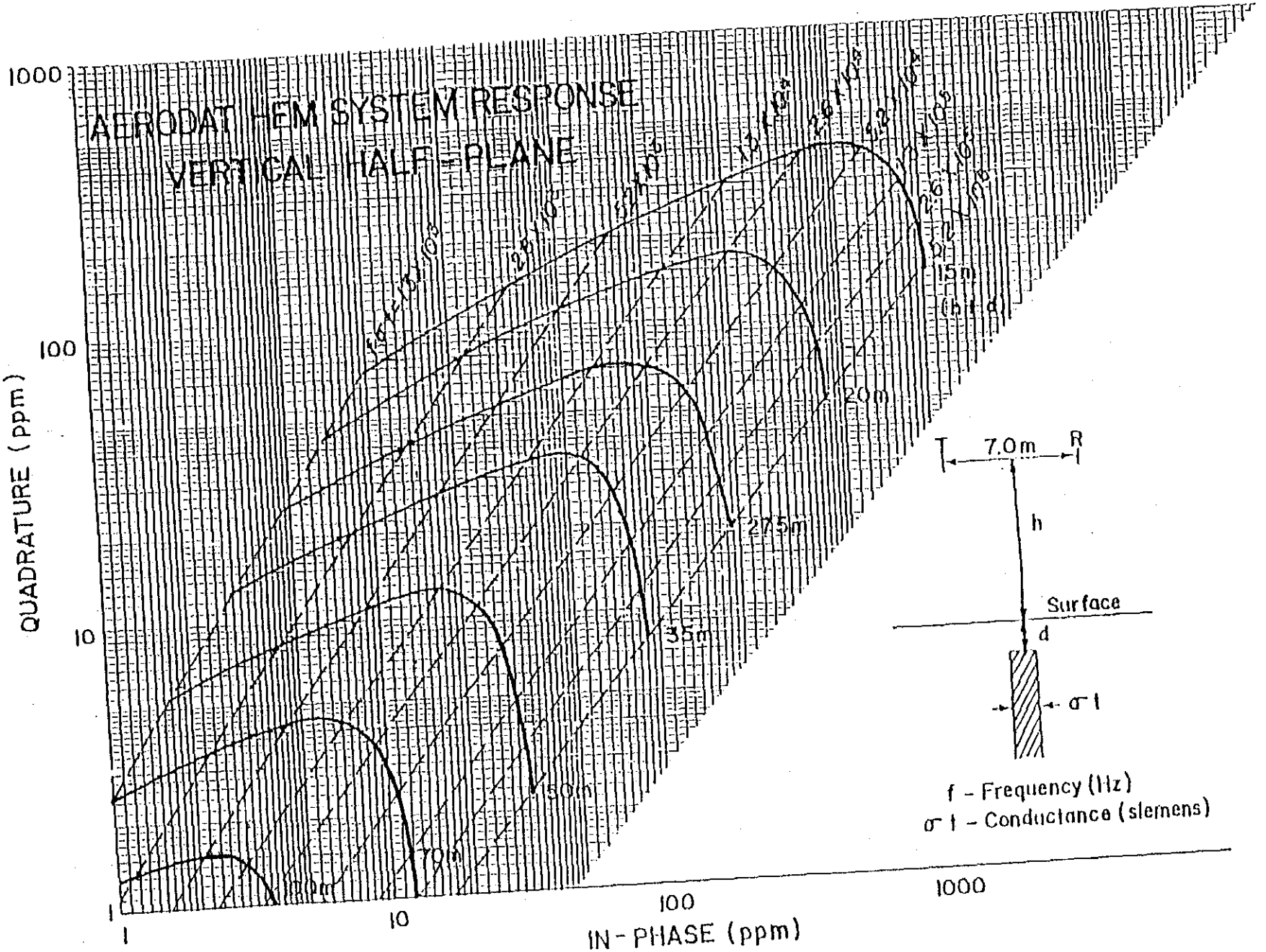
For a given conductive body the measure of its conductivity or conductance is closely related to the measured phase shift between the received and transmitted electromagnetic field. A small phase shift indicates a relatively high conductance, a large phase shift lower conductance. A small phase shift results in a large inphase to quadrature ratio and a large phase shift a low ratio. This relationship is shown quantitatively for a non-magnetic vertical half-plane and half space models on the accompanying phasor diagrams. Other physical models will show the same trend but different quantitative relationships.

The phasor diagram for the vertical half-plane model, as presented, is for the coaxial coil configuration with the amplitudes in parts per million (ppm) of the primary field as measured at the response peak over the conductor. To assist the interpretation of the survey results the computer is used to identify the apparent conductance and depth at selected anomalies. The results of this calculation are presented in anomaly listings included in the survey report and the conductance and inphase amplitude are presented in symbolized form on the map presentation.

The conductance estimate is most reliable when anomaly amplitudes are large and background resistivities are high. Where the anomaly is of low amplitude and background resistivities are low, the conductance estimates are much less reliable. In such situations, the conductance estimate is often quite low regardless of the true nature of the conductor. This is due to the elevated background response levels in the quadrature channel. In an extreme case, the conductance estimate should be discounted and should not prejudice target selection.


AERODAT HEM SYSTEM RESPONSE
HOMOGENEOUS HALF-SPACE
(UNIFORM EARTH)
HORIZONTAL COPLANAR COILS
Quadrature (ppm)
Inphase (ppm)
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻¹
10⁰
10¹
10²
10³
10⁴
10⁵
10m (h+d)
20m
30m
40m
50m
60m
80m
100m
125m
150m
175m
200m
T 7.0m R
h
d
σ
f - Frequency (Hz)
σ - Conductivity (siemens/metre)


AERODAT HEM SYSTEM RESPONSE
HOMOGENEOUS HALF-SPACE
(UNIFORM EARTH)
VERTICAL COAXIAL COILS
Quadrature (ppm)
Inphase (ppm)
10^5
10^4
10^3
10^2
10^1
10^0
10^-1
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
f/σ=1
1.5
2.5
4.0
6.5
10
15
25
40
65
100
150
250
400
650
1000
1500
2500
4000
6500
10000
25000
100000
250000
1000000
10m
(h+d)
20m
30m
40m
50m
60m
80m
100m
200m
175m
150m
125m
T
7.0m
R
h
d
σ
f - Frequency (Hz)
σ - Conductivity (siemens/metre)


AERODAT HEM SYSTEM RESPONSE
VERTICAL HALF PLANE
QUADRATURE (ppm)
IN-PHASE (ppm)
1000
100
10
1
1
10
100
1000
275m
200m
150m
100m
70m
50m
35m
7.0m
T
R
h
Surface
d
σ 1
f - Frequency (Hz)
σ 1 - Conductance (siemens)

The conductance and depth vales as presented are correct only as far as the model approximates the real geological situation. The actual geological source may be of limited length, have significant dip, may be strongly magnetic. Its conductivity and thickness may vary with depth and/or strike and adjacent bodies and overburden may have modified the response. In general the conductance estimate is less affected by these limitations than is the depth estimate, but both should be considered as relative rather than absolute guides to the anomaly's properties.

Conductance in mhos is the reciprocal of resistance in ohms and in the case of narrow slab-like bodies is the product of electrical conductivity and thickness.

The higher ranges of conductance, greater than 2-4 mhos, indicate that a significant fraction of the electrical conduction is electronic rather than electrolytic in nature. Materials that conduct electronically are limited to certain metallic sulphides and to graphite. High conductance anomalies, roughly 10 mhos or greater, are generally limited to massive sulphides or graphites.

Sulphide minerals, with the exception of such ore minerals as sphalerite, cinnabar and stibnite, are good conductors. Sulphides may occur in a disseminated manner that inhibits electrical conduction through the rock mass. In this case the apparent conductance can seriously underrate the quality of the conductor in geological terms. In a similar sense the relatively non-conducting sulphide minerals noted above may be present in significant concentrations in association with minor conductive sulphides, and the electromagnetic response will only relate to the minor associated mineralization. Indicated conductance is also of little direct significance for the identification of gold mineralization. Although gold is highly conductive, it would not be expected to exist in sufficient quantity to create a recognizable anomaly. Minor accessory sulphide mineralization may however provide a useful indirect indication.

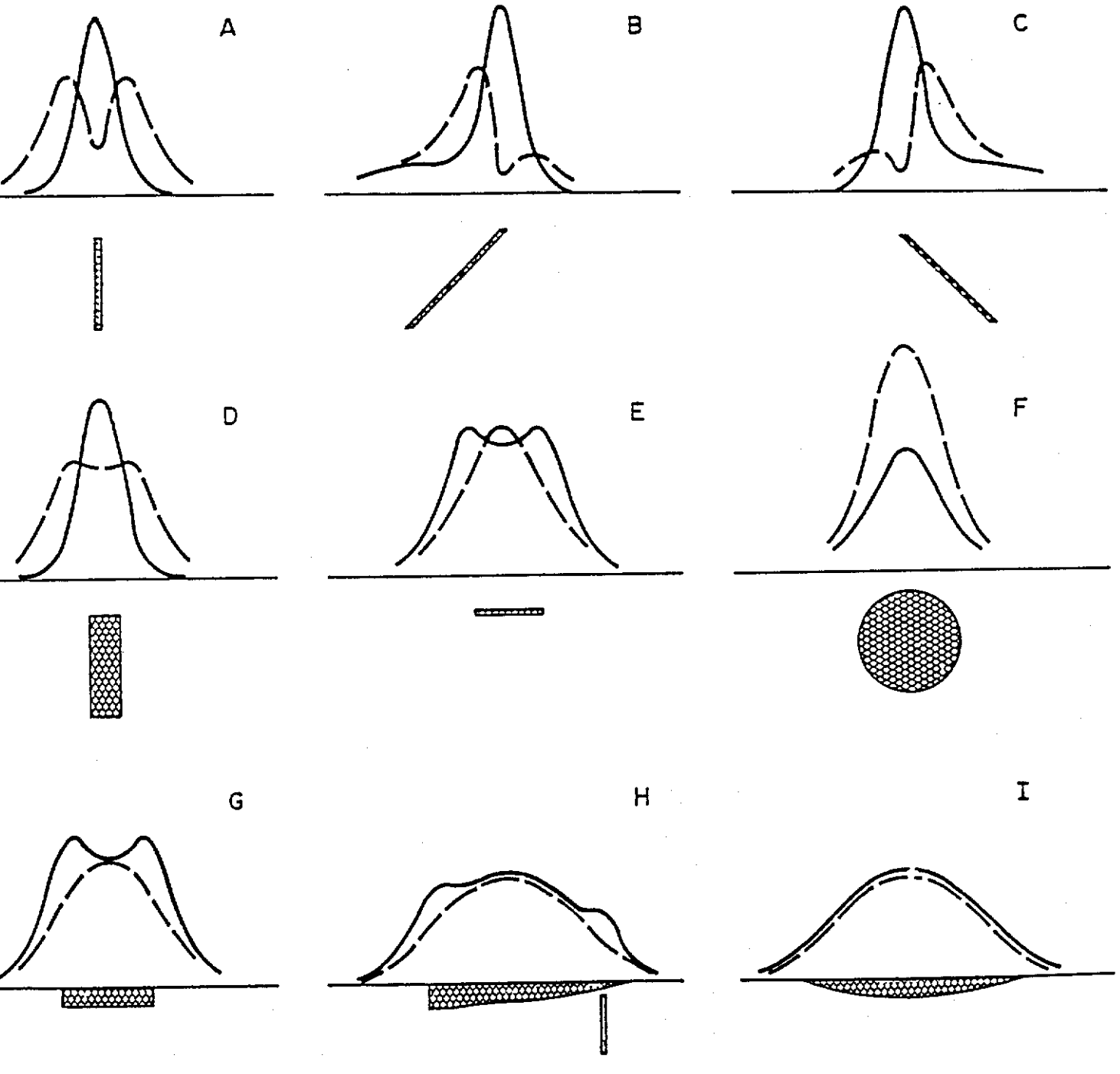
In summary, the estimated conductance of a conductor can provide a relatively positive identification of significant sulphide or graphite mineralization. A moderate to low conductance value does not rule out the possibility of significant economic mineralization.

Geometrical Considerations

Geometrical information about the geologic conductor can often be interpreted from the profile shape of the anomaly. The change in shape is primarily related to the change in inductive coupling among the transmitter, the target, and the receiver. The accompanying figure shows a selection of HEM response profile shapes from nine idealized targets. Response profiles are labelled A through I. These labels are used in the discussion which follows.

HEM RESPONSE PROFILE SHAPE AS AN INDICATOR OF CONDUCTOR GEOMETRY

——— COAXIAL vertical scale 1 ppm/unit
– – – COPLANAR vertical scale 4ppm/unit



In the case of a thin, steeply dipping, sheet-like conductor, the coaxial coil pair will yield a near symmetric peak over the conductor. On the other hand, the coplanar coil pair will pass through a null couple relationship and yield a minimum over the conductor, flanked by positive side lobes (Profile A). As the dip of the conductor decrease from vertical, the coaxial anomaly shape changes only slightly, but in the case of the coplanar coil pair the side lobe on the down dip side strengthens relative to that on the up dip side (Profiles B and C).

As the thickness of the conductor increases, induced current flow across the thickness of the conductor becomes relatively significant and complete null coupling with the coplanar coils is no longer possible (Profile D). As a result, the apparent minimum of the coplanar response over the conductor diminishes with increasing thickness, and in the limiting case of a fully 3 dimensional body or a horizontal layer or half-space, the minimum disappears completely.

A horizontal conducting layer such as a horizontal thin sheet or overburden will produce a response in the coaxial and coplanar coils that is a function of altitude (and conductivity if not uniform). The profile shape will be similar in both coil configurations with an amplitude ratio (coplanar:coaxial) of about 4:1* (Profiles E and G).

In the case of a spherical conductor, the induced currents are confined to the volume of the sphere, but not relatively restricted to any arbitrary plane as in the case of a sheet-like form. The response of the coplanar coil pair directly over the sphere may be up to 8* times greater than that of the coaxial pair (Profile F).

In summary, a steeply dipping, sheet-like conductor will display a decrease in the coplanar response coincident with the peak of the coaxial response. The relative strength of this coplanar null is related inversely to the thickness of the conductor. A pronounced null indicates a relatively thin conductor. The dip of such a conductor can be inferred from the relative amplitudes of the side-lobes.

Massive conductors that could be approximated by a conducting sphere will display a simple single peak profile form on both coaxial and coplanar coils, with a ratio between the coplanar to coaxial response amplitudes as high as 8*.

Overburden anomalies often produce broad poorly defined anomaly profiles (Profile I). In most cases, the response of the coplanar coils closely follows that of the coaxial coils with a relative amplitude ration of 4*.

Occasionally, if the edge of an overburden zone is sharply defined with some significant depth extent, an edge effect will occur in the coaxial coils. In the case of a horizontal conductive ring or ribbon, the coaxial response will consist of two peaks, one over each edge; whereas the coplanar coil will yield a single peak (Profile H).

* It should be noted at this point that Aerodat's definition of the measured ppm unit is related to the primary field sensed in the receiving coil without normalization to the maximum coupled (coaxial configuration). If such normalization were applied to the Aerodat units, the amplitude of the coplanar coil pair would be halved.

Magnetics

The Total Field Magnetic Map shows contours of the total magnetic field, uncorrected for regional variation. Whether an EM anomaly with a magnetic correlation is more likely to be caused by a sulphide deposit than one without depends on the type of mineralization. An apparent coincidence between an EM and a magnetic anomaly may be caused by a conductor which is also magnetic, or by a conductor which lies in close proximity to a magnetic body. The majority of conductors which are also magnetic are sulphides containing pyrrhotite and/or magnetite. Conductive and magnetic bodies in close association can be, and often are, graphite and magnetite. It is often very difficult to distinguish between these cases. If the conductor is also magnetic, it will usually produce an EM anomaly whose general pattern resembles that of the magnetics. Depending on the magnetic permeability of the conducting body, the amplitude of the inphase EM anomaly will be weakened, and if the conductivity is also weak, the inphase EM anomaly may even be reversed in sign.

The interpretation of contoured aeromagnetic data is a subject on its own involving an array of methods and attitudes. The interpretation of source characteristics for example from total field results is often based on some numerical modelling scheme. The vertical gradient data is more legible in some aspects however and useful inferences about source characteristics can often be read off the contoured VG map.

The zero contour lines in contoured VG data are often sited as a good approximation to the outline of the top of the magnetic source. This only applies to wide (relative to depth of burial) near vertical sources at high magnetic latitudes. It will give an incorrect interpretation in most other cases.

Theoretical profiles of total field and vertical gradient anomalies from tabular sources at a variety of magnetic inclinations are shown in the attached figure. Sources are 10, 50 and 200 m wide. The source-sensor separation is 50 m. The thin line is the total field profile. The thick line is the vertical gradient profile.

The following comments about source geometry apply to contoured vertical gradient data for magnetic inclinations of 70 to 80°.

Outline

Where the VG anomaly has a single sharp peak, the source may be a thin near-vertical tabular source. It may be represented as a magnetic axis or as a tabular source of measurable width - the choice is one of geological preference.

Where the VG anomaly has a broad, flat or inclined top, the source may be a thick tabular source. It may be represented as a thick body where the width is taken from the zero contour lines if the body dips to magnetic north. If the source appears to be dipping to the south (i.e. the VG anomaly is asymmetric), the zero contours are less reliable indicators of outline. The southern most zero contour line should be ignored and the outline taken from the northern zero contour line and the extent of the anomaly peak width.

Dip

A symmetrical vertical gradient response is produced by a body dipping to magnetic north. An asymmetrical response is produced by a body which is vertical or dipping to the south. For southern dips, the southern most zero contour line may be several hundred meters south of the source.

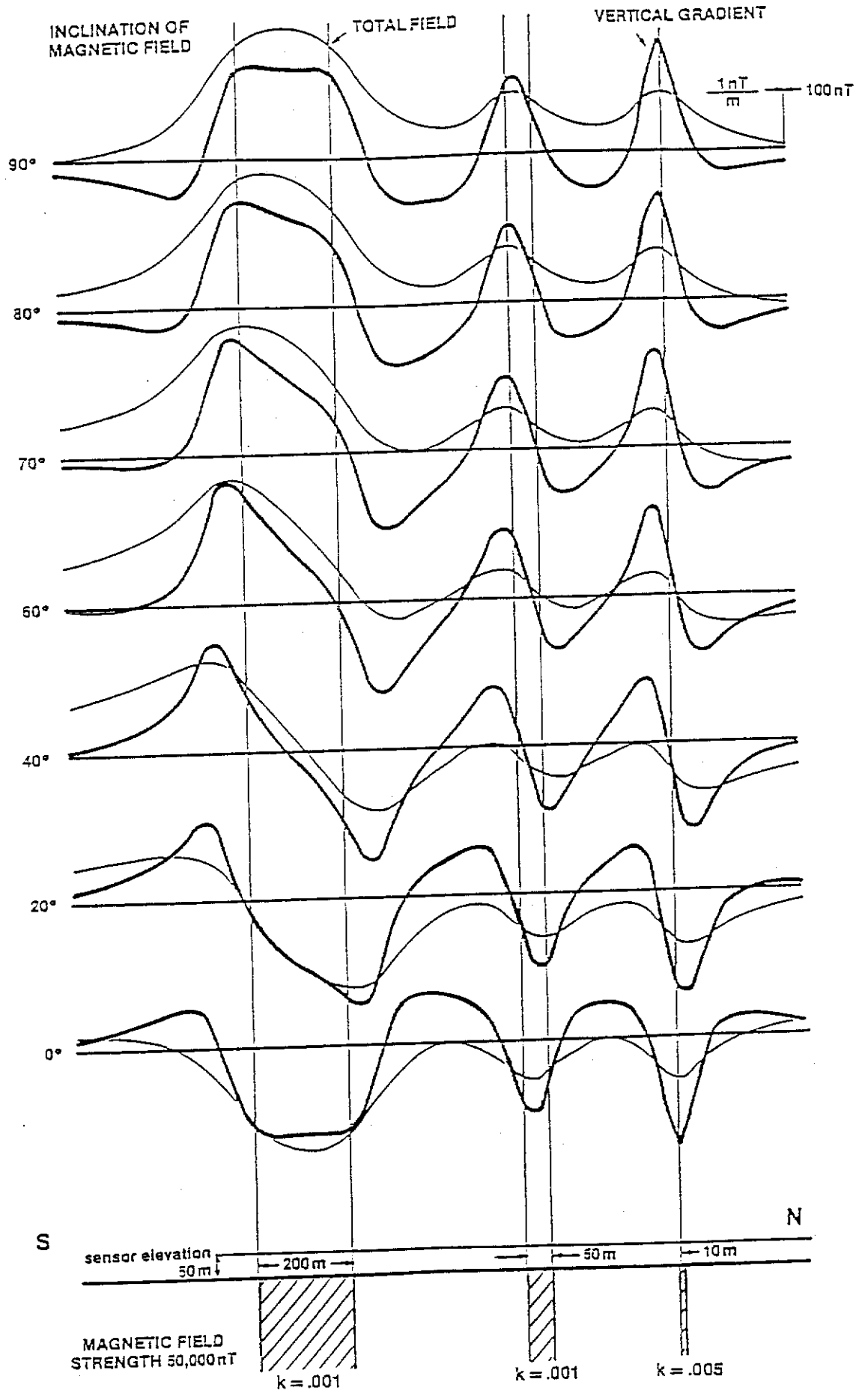
Depth of Burial

The source-sensor separation is about equal to half of the distance between the zero contour lines for thin near-vertical sources. The estimated depth of burial for such sources is this separation minus 50 m. If a variety of VG anomaly widths are seen in an area, use the narrowest width seen to estimate local depths.

VLF Electromagnetics

The VLF-EM method employs the radiation from powerful military radio transmitters as the primary signals. The magnetic field associated with the primary field is locally horizontal and normal to a line pointing at the transmitter.

The Herz Totem uses three coils in the X, Y, Z configuration to measure the total field and vertical quadrature component from two VLF stations. These stations are designated Line and Ortho. The line station is ideally in a direction from the survey area at right angles to the flight line direction. Conductors normal to the flight line direction point at the line station and are therefore optimally coupled to VLF magnetic fields and in the best situation to gather secondary VLF currents. The ortho station is ideally 90 degrees in azimuth from the line station.


INCLINATION OF MAGNETIC FIELD
TOTAL FIELD
VERTICAL GRADIENT
1 nT/m
100 nT
90°
80°
70°
60°
40°
20°
0°
S
N
sensor elevation 50 m
200 m
50 m
10 m
MAGNETIC FIELD STRENGTH 50,000 nT
k = .001
k = .001
k = .005

The relatively high frequency of VLF (15-25) kHz provides high response factors for bodies of low conductance. Relatively "disconnected" sulphide ores have been found to produce measurable VLF signals. For the same reason, poor conductors such as sheared contacts, breccia zones, narrow faults, alteration zones and porous flow tops normally produce VLF anomalies. The method can therefore be used effectively for geological mapping. The only relative disadvantage of the method lies in its sensitivity to conductive overburden. In conductive ground to depth of exploration is severely limited.

The effect of strike direction is important in the sense of the relation of the conductor axis relative to the energizing electromagnetic field. A conductor aligned along a radius drawn from a transmitting station will be in a maximum coupled orientation and thereby produce a stronger response than a similar conductor at a different strike angle. Theoretically, it would be possible for a conductor, oriented tangentially to the transmitter to produce no signal. The most obvious effect of the strike angle consideration is that conductors favourably oriented with respect to the transmitter location and also near perpendicular to the flight direction are most clearly rendered and usually dominate the map presentation.

The total field anomaly is an indicator of the existence and position of a conductor. The response will be a maximum over the conductor, without any special filtering, and strongly favour the upper edge of the conductor even in the case of a relatively shallow dip.

Conversely a negative total field anomaly is often seen over local resistivity highs. This is because the VLF field produces electrical currents which flow towards (or away from) the transmitter. These currents are gathered into a conductor and are taken from resistive bodies. The VLF system sees the currents gathered into the conductor as a total field high. It sees the relative absence of secondary currents in the resistor as a total field low.

As noted, VLF anomaly trends show a strong bias towards the VLF transmitter. Structure which is normal to this direction may have no associated VLF anomaly but may be seen as a break or interruption in VLF anomalies. If these structures are of particular interest, maps of the ortho station data may be worthwhile.

Conductive overburden will obscure VLF responses from bedrock sources and may produce low amplitude, broad anomalies which reflect variations in the resistivity of thickness of the overburden.

Extreme topographic relief will produce VLF anomalies which may bear no relationship to variations in electrical conductivity. Deep gullies which are too narrow to have been surveyed at a uniform sensor height often show up as VLF total field lows. Sharp ridges show up as total field highs.

The vertical quadrature component over steeply dipping sheet-like conductor will be a cross-over type response with the cross-over closely associated with the upper edge of the conductor.

The response is a cross-over type due to the fact that it is the vertical rather than total field quadrature component that is measured. The response shape is due largely to geometrical rather than conductivity considerations and the distance between the maximum and minimum on either side of the cross-over is related to target depth. For a given target geometry, the larger this distance the greater the depth.

The vertical quadrature component is rarely presented. Experience has shown the total field to be more sensitive to bedrock conductors and less affected by variations in conductive overburden.

Apparent Resistivity/Conductivity Maps

Overburden and different types of bedrock may be modelled as a large area horizontal conductor of fixed thickness. A phasor diagram may be constructed, in the same fashion as for the vertical sheet, to convert the measured HEM in-phase and quadrature response to a depth and conductivity value for a horizontal layer. Traditionally if the thickness is large, an infinite half-space, the associated conductivity value is referred to as "apparent conductivity". We have generalized the use of the word "apparent" to include any model where the thickness of the layer is a fixed as opposed to a variable parameter. The units of apparent resisitivity are ohm-m and those of apparent conductivity are the inverse mhos/m or siemen/m. If the chosen model layer thickness is close to the true thickness of the conductor then the apparent conductivity will closely conform to the true value; however, if the thickness is inappropriate the apparent value may be considerably different from the true value.

The benefit of the apparent conductivity mapping is that it provides a simple robust method of converting the HEM in-phase and quadrature response to apparent change in ground conductivity.

A phasor diagram for several apparent resistivity models is presented. The general forms for the various thicknesses is very similar and also closely resembles the diagram for the vertical sheet. The diagrams also show the curves for apparent depth. As with the conductivity value the depth value is meaningful if the model thickness closely resembles the true conductive layer thickness. If the HEM response from a thin conducting layer is applied to a thick layer model the apparent conductivity and depth will be less than the true conductivity and depth.

APPENDIX II

ANOMALY LISTINGS

GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
35	60020	ANORMAL	0	0.1	3.5	0.0	0	23	409248.6	6802974.0
35	60030	ANORMAL	0	8.9	9.5	0.8	11	42	409429.8	6800522.0
35	60030	BNORMAL	0	1.0	7.8	0.0	15	18	409456.9	6802824.5
35	60040	ANORMAL	0	2.1	8.5	0.0	9	31	409736.3	6804213.5
35	60040	BNORMAL	0	3.6	7.5	0.2	15	35	409647.3	6802826.5
35	60040	CNORMAL	0	1.6	5.2	0.0	19	31	409637.1	6802260.5
35	60040	DNORMAL	0	5.9	10.1	0.3	9	38	409614.8	6800969.5
35	60040	ENORMAL	0	10.2	15.3	0.5	8	34	409623.4	6800651.0
35	60040	FNORMAL	0	4.2	13.3	0.1	31	5	409618.0	6800240.5
35	60050	ANORMAL	0	2.6	2.3	0.6	46	42	409774.4	6800219.5
35	60050	BNORMAL	0	1.8	5.9	0.0	4	44	409781.8	6801556.0
35	60060	ANORMAL	0	4.3	11.7	0.1	3	37	410045.8	6802696.0
35	60060	BNORMAL	0	2.4	8.0	0.0	29	14	410018.4	6800531.0
35	60070	ANORMAL	0	4.7	16.8	0.1	4	28	410218.8	6802759.5
35	60070	BNORMAL	0	0.9	16.7	0.0	0	18	410246.4	6803411.5
35	60100	ANORMAL	0	0.8	9.3	0.0	1	25	410776.2	6799616.5
35	60110	ANORMAL	0	2.4	14.0	0.0	17	13	411025.1	6799610.0
35	60120	ANORMAL	0	0.2	11.4	0.0	0	30	411210.9	6800295.0
35	60120	BNORMAL	0	0.5	11.6	0.0	0	28	411185.8	6799559.5
35	60130	ANORMAL	0	-0.9	12.9	0.0	0	17	411334.7	6799041.0
35	60130	BNORMAL	0	0.2	12.6	0.0	0	22	411368.6	6799580.5
35	60130	CNORMAL	0	1.3	17.8	0.0	2	18	411399.9	6800342.5
35	60140	ANORMAL	0	1.6	11.5	0.0	2	27	411632.3	6799595.0
35	60150	ANORMAL	0	3.5	16.5	0.0	11	19	411788.8	6799666.5
35	60150	BNORMAL	0	2.1	7.2	0.0	18	26	411885.8	6805611.5
36	60170	ANORMAL	0	0.1	24.3	0.0	0	19	412267.4	6802194.0
36	60170	BNORMAL	0	2.3	30.8	0.0	2	14	412271.1	6804529.5
36	60170	CNORMAL	0	9.0	19.2	0.3	9	27	412286.7	6805357.5
36	60170	DNORMAL	0	4.3	15.0	0.1	23	11	412330.4	6806176.5
36	60170	ENORMAL	0	1.6	14.7	0.0	14	10	412314.1	6806388.5
36	60190	ANORMAL	0	4.5	25.6	0.0	13	11	412717.6	6806887.5

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
36	60200	ANORMAL	0	5.6	20.8	0.1	7	22	412784.2	6799712.0
36	60210	ANORMAL	0	5.6	10.6	0.3	11	34	412972.9	6799758.0
36	60210	BNORMAL	0	4.6	14.4	0.1	13	22	413043.8	6802117.5
36	60210	CNORMAL	0	3.1	10.8	0.0	15	23	413057.9	6803487.0
36	60210	DNORMAL	0	2.8	3.5	0.4	61	13	413118.6	6806901.0
36	60220	ANORMAL	0	3.5	15.7	0.0	0	38	413386.3	6809568.0
36	60220	BNORMAL	0	2.2	11.0	0.0	0	34	413238.4	6802214.5
36	60230	ANORMAL	0	7.5	10.0	0.6	0	52	413440.7	6802531.5
36	60230	BNORMAL	0	6.8	11.2	0.4	10	36	413514.5	6806345.5
36	60230	CNORMAL	0	3.2	6.8	0.2	32	20	413529.3	6806801.5
36	60230	DNORMAL	0	2.2	9.2	0.0	18	20	413525.7	6807153.0
36	60240	ANORMAL	0	5.1	22.2	0.0	0	28	413761.8	6809528.0
36	60240	BNORMAL	0	3.9	14.9	0.0	4	29	413685.1	6806493.5
36	60240	CNORMAL	0	0.8	11.7	0.0	0	34	413529.9	6796468.5
36	60240	DNORMAL	0	0.1	10.5	0.0	0	22	413547.6	6796299.0
36	60250	ANORMAL	0	3.1	11.9	0.0	10	26	413748.4	6796487.0
36	60250	BNORMAL	0	3.1	8.4	0.1	13	31	413815.5	6800257.0
36	60250	CNORMAL	0	3.7	9.3	0.1	25	19	413810.1	6800538.5
36	60250	DNORMAL	0	4.9	11.1	0.2	23	20	413901.8	6804845.5
36	60250	ENORMAL	0	5.1	5.4	0.7	20	45	413886.7	6806547.0
36	60250	FNORMAL	0	3.0	3.6	0.4	61	12	413939.9	6807637.0
36	60250	GNORMAL	0	3.1	3.9	0.4	53	17	413944.2	6807771.5
49	60262	ANORMAL	0	9.4	19.2	0.3	0	44	414234.5	6809673.5
49	60262	BNORMAL	0	11.5	23.3	0.4	0	34	414233.8	6809545.0
49	60262	CNORMAL	0	4.0	8.1	0.2	17	32	414099.2	6806658.0
62	60268	ANORMAL	0	4.3	13.6	0.1	1	35	414102.9	6801939.5
62	60268	BNORMAL	0	1.3	9.9	0.0	11	20	414068.3	6801864.5
62	60268	CNORMAL	0	1.1	8.0	0.0	27	7	414054.7	6801773.5
62	60268	DNORMAL	0	1.5	8.7	0.0	8	27	413980.2	6799237.5
62	60268	ENORMAL	0	2.7	17.1	0.0	6	20	413957.1	6797797.5
62	60268	FNORMAL	0	4.7	28.6	0.0	3	20	413910.7	6796672.0
62	60268	GNORMAL	0	-1.8	24.6	0.0	0	19	413908.4	6796512.5
62	60271	ANORMAL	0	0.6	19.3	0.0	0	27	414087.9	6796220.5
62	60271	BNORMAL	0	4.2	11.2	0.1	19	22	414206.3	6799448.0
62	60271	CNORMAL	0	4.8	8.3	0.3	23	28	414253.3	6801779.0
62	60271	DNORMAL	0	5.4	6.0	0.6	31	31	414239.6	6801867.0

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
62	60271	ENORMAL	0	4.6	9.8	0.2	20	25	414310.8	6806792.0
62	60271	FNORMAL	0	8.6	38.6	0.1	0	28	414354.3	6809603.0
62	60281	ANORMAL	0	1.0	8.5	0.0	0	37	414577.1	6809542.0
62	60281	BNORMAL	0	1.5	3.4	0.1	31	34	414508.5	6806876.0
62	60281	CNORMAL	0	-1.7	21.5	0.0	0	5	414406.7	6804111.5
62	60281	DNORMAL	0	-1.6	4.9	0.0	0	24	414475.7	6802642.0
62	60281	ENORMAL	0	-0.1	6.9	0.0	0	37	414437.7	6802011.0
62	60281	FNORMAL	0	2.2	7.0	0.0	13	33	414442.1	6801943.5
62	60281	GNORMAL	0	-1.0	1.9	0.0	0	40	414371.0	6800283.5
62	60281	HNORMAL	0	5.6	16.2	0.1	1	34	414346.6	6798500.0
62	60281	JMAGNETIC	0	-28.0	55.4	0.0	0	10	414267.3	6796407.0
62	60281	KMAGNETIC	0	-19.3	68.0	0.0	0	5	414272.4	6796268.0
62	60281	MNORMAL	0	-2.2	15.4	0.0	0	14	414311.8	6795628.0
62	60281	NNORMAL	0	6.4	14.8	0.2	15	23	414311.6	6792329.5
62	60291	ANORMAL	0	5.6	8.5	0.4	16	36	414459.5	6792456.5
62	60291	BNORMAL	0	3.9	11.6	0.1	0	47	414555.5	6798296.5
62	60291	CNORMAL	0	1.0	9.9	0.0	4	23	414615.6	6802533.5
62	60301	ANORMAL	0	3.0	14.1	0.0	18	13	414917.5	6805517.5
62	60301	BNORMAL	1	4.4	3.4	1.0	36	42	414801.6	6800191.0
62	60301	CNORMAL	0	3.3	11.6	0.0	5	32	414793.3	6798127.5
62	60301	DNORMAL	0	1.1	12.5	0.0	0	25	414769.3	6797465.0
62	60301	ENORMAL	0	2.3	9.9	0.0	5	32	414688.9	6792663.0
62	60301	FNORMAL	0	3.4	16.9	0.0	14	15	414694.7	6792108.5
62	60311	ANORMAL	0	4.4	11.7	0.1	15	25	414885.8	6792134.5
62	60311	BNORMAL	0	3.8	6.9	0.2	14	40	414878.5	6792391.5
62	60311	CNORMAL	0	2.3	9.7	0.0	0	54	414960.2	6796973.0
62	60311	DNORMAL	0	4.1	18.2	0.0	0	29	414987.9	6797500.0
62	60311	ENORMAL	0	-0.7	7.7	0.0	0	26	415063.3	6802428.5
62	60311	FNORMAL	0	2.6	12.3	0.0	14	19	415167.5	6805694.5
51	60320	ANORMAL	0	3.5	27.2	0.0	0	31	415115.3	6796649.5
51	60320	BNORMAL	0	-1.1	9.7	0.0	0	28	415081.2	6796406.5
51	60320	CMAGNETIC	0	-14.5	12.1	0.0	0	14	415077.4	6795009.0
51	60330	ANORMAL	0	-1.4	8.1	0.0	0	30	415378.5	6796252.0
51	60330	BNORMAL	0	6.7	19.9	0.1	1	31	415398.3	6796629.0
51	60330	CNORMAL	0	-1.9	9.5	0.0	0	38	415314.2	6797942.5
51	60330	DNORMAL	0	-1.9	7.8	0.0	0	39	415317.8	6798021.5
51	60330	ENORMAL	0	-1.0	8.4	0.0	0	24	415433.8	6801289.5
51	60330	FNORMAL	0	0.0	8.6	0.0	0	11	415421.0	6801582.0
51	60330	GNORMAL	0	10.5	27.2	0.2	0	34	415436.8	6801836.5

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
51	60330	HNORMAL	0	6.9	31.1	0.1	0	31	415459.2	6801952.5
51	60330	JNORMAL	0	-4.3	9.6	0.0	0	9	415485.0	6802175.5
51	60330	KNORMAL	0	-4.4	12.7	0.0	0	10	415487.6	6802261.0
51	60330	MNORMAL	0	-2.7	8.6	0.0	0	16	415515.8	6805197.0
51	60340	ANORMAL	0	2.4	9.3	0.0	22	17	415708.5	6805467.5
51	60340	BNORMAL	0	-0.5	8.7	0.0	0	22	415574.6	6797700.5
51	60340	CNORMAL	0	2.4	7.8	0.0	22	22	415574.2	6797465.0
51	60340	DNORMAL	0	5.5	13.3	0.2	12	27	415505.3	6796552.5
51	60350	ANORMAL	1	5.3	4.3	1.0	43	28	415673.0	6792043.0
51	60350	BNORMAL	0	6.6	8.6	0.5	27	26	415790.1	6796094.0
51	60350	CNORMAL	0	9.7	20.4	0.3	8	27	415820.7	6799804.5
51	60350	DNORMAL	0	5.4	15.1	0.1	16	20	415795.1	6800307.0
51	60350	ENORMAL	0	4.5	15.9	0.1	5	28	415768.3	6800953.5
51	60350	FNORMAL	0	5.0	26.3	0.0	8	16	415788.8	6801127.0
51	60350	GNORMAL	0	5.6	24.6	0.0	8	19	415785.5	6801224.0
51	60350	HNORMAL	0	0.9	3.9	0.0	0	81	415812.9	6803513.5
51	60350	JNORMAL	0	-0.9	12.0	0.0	0	28	415872.7	6804094.5
51	60350	KNORMAL	0	-1.5	12.5	0.0	0	34	415866.8	6804565.0
51	60350	MNORMAL	0	-3.3	6.8	0.0	0	32	415858.2	6805436.5
51	60350	NNORMAL	0	11.4	52.3	0.1	0	20	415883.9	6807387.5
51	60360	ANORMAL	0	2.9	21.1	0.0	2	22	416132.2	6807109.0
51	60360	BNORMAL	0	2.9	18.5	0.0	4	22	416123.1	6806797.5
51	60360	CNORMAL	0	1.1	10.9	0.0	0	32	416082.2	6805321.0
51	60360	DNORMAL	0	0.8	15.1	0.0	6	13	416060.2	6802975.5
51	60360	ENORMAL	0	4.8	25.1	0.0	2	22	416014.2	6801271.5
51	60360	FNORMAL	0	-2.2	5.2	0.0	0	38	415944.0	6798412.5
51	60360	GNORMAL	0	15.7	47.3	0.2	0	23	415929.7	6796141.0
51	60360	HNORMAL	0	2.9	46.5	0.0	0	19	415925.3	6796044.5
51	60370	AMAGNETIC	0	-3.2	13.6	0.0	0	18	416113.8	6792240.5
51	60370	BNORMAL	0	0.0	13.6	0.0	0	16	416147.7	6792743.0
51	60370	CMAGNETIC	0	-29.5	23.4	0.0	0	19	416106.1	6795851.0
51	60370	DNORMAL	0	3.2	20.4	0.0	5	20	416097.2	6796249.5
51	60370	ENORMAL	0	10.7	47.3	0.1	9	11	416250.6	6801523.0
51	60370	FNORMAL	0	14.3	62.1	0.1	9	10	416247.3	6801626.5
51	60370	GNORMAL	0	7.2	22.7	0.1	15	15	416263.4	6802846.5
51	60370	HNORMAL	0	11.9	23.9	0.4	10	23	416275.3	6805668.5
51	60380	ANORMAL	0	2.6	18.1	0.0	4	21	416535.2	6806594.5
51	60380	BNORMAL	0	4.8	24.5	0.0	6	19	416489.2	6804571.0
51	60380	CNORMAL	0	5.7	26.1	0.0	6	19	416457.6	6802107.0
51	60380	DNORMAL	0	8.0	27.4	0.1	4	24	416423.6	6801525.5

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
51	60380	ENORMAL	0	0.4	15.1	0.0	0	30	416370.9	6799233.0
51	60380	FMAGNETIC	0	-7.7	20.5	0.0	0	13	416338.4	6796329.5
51	60390	ANORMAL	0	0.1	18.9	0.0	0	29	416588.7	6799407.5
51	60390	BNORMAL	0	-0.8	18.5	0.0	0	21	416594.0	6801525.5
51	60390	CNORMAL	0	0.9	24.1	0.0	0	20	416598.1	6801588.5
51	60390	DNORMAL	0	5.4	25.8	0.0	2	23	416672.4	6804406.0
51	60390	ENORMAL	0	2.4	18.8	0.0	1	22	416619.8	6806388.0
52	60400	ANORMAL	0	1.8	13.4	0.0	0	27	416883.1	6804281.0
52	60400	BNORMAL	0	-1.7	8.0	0.0	0	27	416871.7	6803515.0
52	60400	CNORMAL	0	2.3	9.2	0.0	0	45	416809.4	6801749.0
52	60400	DNORMAL	0	-0.3	6.6	0.0	0	33	416822.2	6799619.0
52	60410	ANORMAL	0	0.8	7.5	0.0	8	23	416928.7	6793825.0
52	60410	BMAGNETIC	0	-1.1	15.4	0.0	0	19	417060.6	6801755.5
52	60410	CNORMAL	0	0.4	22.1	0.0	0	14	417071.6	6801882.0
52	60410	DNORMAL	0	1.3	10.6	0.0	4	25	417086.5	6804213.0
52	60410	ENORMAL	0	5.8	17.6	0.1	3	30	417067.0	6804704.0
52	60410	FNORMAL	0	6.2	21.8	0.1	2	27	417150.4	6807212.0
52	60410	GNORMAL	0	5.4	17.5	0.1	5	28	417139.8	6807470.0
52	60410	HNORMAL	0	3.4	10.8	0.1	9	30	417130.4	6808372.0
52	60420	ANORMAL	0	5.6	9.7	0.3	17	31	417276.9	6807586.5
52	60420	BNORMAL	0	4.6	10.1	0.2	19	25	417227.8	6801690.0
52	60420	CNORMAL	0	4.6	12.1	0.1	17	23	417225.5	6801441.0
52	60430	ANORMAL	0	0.0	7.4	0.0	0	14	417328.8	6793418.5
52	60430	BNORMAL	0	0.1	10.1	0.0	0	36	417363.5	6794830.0
52	60430	CNORMAL	0	-1.3	11.1	0.0	0	26	417396.7	6797692.5
52	60430	DNORMAL	0	-2.3	13.2	0.0	0	29	417364.9	6798030.5
52	60430	ENORMAL	0	-2.6	11.4	0.0	0	26	417359.4	6798182.5
52	60430	FNORMAL	0	2.3	15.4	0.0	3	24	417393.7	6798771.0
52	60430	GNORMAL	0	-0.8	11.1	0.0	0	23	417402.3	6801092.0
52	60430	HNORMAL	0	2.3	16.0	0.0	0	30	417456.7	6803129.0
52	60430	JNORMAL	0	-1.0	8.9	0.0	0	37	417477.1	6804108.5
52	60430	KNORMAL	0	0.5	5.2	0.0	0	47	417446.9	6804364.5
52	60430	MNORMAL	0	7.3	21.4	0.1	11	21	417511.4	6807672.5
52	60440	ANORMAL	0	3.1	13.1	0.0	6	27	417664.1	6803275.0
52	60440	BNORMAL	0	2.2	3.8	0.2	34	33	417612.1	6801225.5
52	60440	CNORMAL	0	3.0	5.2	0.2	31	29	417568.3	6798846.0
52	60440	DNORMAL	0	0.0	17.2	0.0	0	11	417547.9	6797656.0
52	60440	ENORMAL	0	-0.1	11.4	0.0	0	20	417575.8	6796992.0
52	60440	FNORMAL	0	0.0	10.8	0.0	0	19	417582.9	6796899.0

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
52	60440	GNORMAL	0	1.3	21.1	0.0	11	7	417515.9	6796037.0
52	60440	HNORMAL	0	2.3	5.3	0.1	20	35	417517.5	6792363.5
52	60450	ANORMAL	0	-0.4	6.0	0.0	0	29	417682.3	6792503.0
52	60450	BNORMAL	0	0.6	9.8	0.0	2	22	417703.3	6793190.0
52	60450	CNORMAL	0	-1.0	5.7	0.0	0	18	417827.0	6801282.5
52	60450	DNORMAL	0	-1.3	5.6	0.0	0	16	417836.4	6801370.0
52	60460	ANORMAL	0	-4.0	10.1	0.0	0	13	418102.6	6806764.0
52	60460	BNORMAL	0	-5.2	7.8	0.0	0	33	418027.2	6802143.5
52	60460	CNORMAL	0	-5.3	9.5	0.0	0	5	418008.3	6801927.0
52	60460	DNORMAL	0	-3.1	13.2	0.0	0	20	417908.1	6798289.0
52	60460	ENORMAL	0	-0.3	12.7	0.0	0	23	417884.2	6793216.0
52	60460	FNORMAL	0	2.3	8.1	0.0	9	33	417892.5	6792599.0
53	60470	ANORMAL	0	5.4	10.4	0.3	27	18	418306.1	6803551.5
53	60472	ANORMAL	0	-3.0	13.9	0.0	0	26	418143.2	6795831.0
53	60480	ANORMAL	0	1.4	17.0	0.0	1	20	418323.1	6792770.5
53	60480	BNORMAL	0	8.0	16.5	0.3	9	29	418384.2	6796592.5
53	60480	CNORMAL	0	0.0	13.3	0.0	0	17	418389.0	6797855.0
53	60490	ANORMAL	0	2.7	17.2	0.0	1	26	418504.2	6796670.5
53	60490	BNORMAL	0	-1.1	6.7	0.0	0	19	418510.8	6794285.5
53	60490	CNORMAL	0	4.8	25.6	0.0	4	20	418497.9	6792887.0
53	60500	ANORMAL	0	-1.2	3.8	0.0	0	27	418751.9	6794292.0
53	60500	BNORMAL	0	3.6	19.4	0.0	0	38	418785.4	6798470.0
53	60510	ANORMAL	0	-1.4	7.6	0.0	0	26	419073.4	6802215.0
53	60510	BNORMAL	0	-4.9	8.7	0.0	0	27	418968.4	6794325.5
53	60520	ANORMAL	0	-1.2	14.9	0.0	0	18	419106.2	6792613.0
53	60520	BNORMAL	0	0.3	14.3	0.0	0	23	419144.5	6792945.5
53	60520	CMAGNETIC	0	-19.8	16.3	0.0	0	16	419117.0	6793705.5
53	60521	ANORMAL	0	6.0	1.1	8.8	24	61	419206.9	6798610.0
53	60521	BNORMAL	0	-0.2	2.5	0.0	0	24	419251.7	6799686.0
53	60521	CNORMAL	0	5.8	9.4	0.4	31	18	419333.6	6806428.0
53	60521	DNORMAL	0	2.3	6.6	0.1	25	23	419337.0	6807526.5
54	60530	AMAGNETIC	0	-19.5	12.6	0.0	0	17	419471.5	6805124.5
54	60530	BNORMAL	0	-8.3	17.4	0.0	0	17	419469.9	6804998.5
54	60530	CMAGNETIC	0	-4.9	2.1	0.0	0	1	419482.1	6804708.0

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
54	60530	DNORMAL	0	-2.3	3.1	0.0	0	49	419473.8	6803674.0
54	60530	ENORMAL	0	-0.1	2.7	0.0	0	38	419452.1	6802535.0
54	60532	ANORMAL	0	4.3	18.7	0.0	9	20	419375.2	6797628.0
54	60532	BMAGNETIC	0	-4.6	7.3	0.0	0	28	419358.3	6793739.5
54	60540	ANORMAL	0	0.0	13.7	0.0	0	20	419511.4	6797457.0
54	60540	BNORMAL	0	0.2	20.6	0.0	0	14	419548.6	6797711.0
54	60540	CNORMAL	0	-0.7	6.5	0.0	0	27	419631.3	6802683.0
54	60540	DNORMAL	0	0.1	6.9	0.0	0	37	419622.6	6803509.5
54	60540	ENORMAL	0	-3.0	3.7	0.0	0	14	419635.0	6803772.0
54	60540	FNORMAL	0	4.7	9.1	0.2	18	30	419694.4	6807016.5
54	60550	ANORMAL	0	4.2	8.4	0.2	13	36	419914.9	6807071.5
54	60551	ANORMAL	0	-1.7	5.9	0.0	0	37	419835.3	6803530.0
54	60551	BNORMAL	0	2.4	7.6	0.0	0	54	419835.9	6803329.0
54	60551	CNORMAL	0	1.7	12.2	0.0	0	35	419832.4	6802842.0
54	60551	DNORMAL	0	2.3	10.8	0.0	0	35	419809.8	6797607.0
54	60560	ANORMAL	0	0.4	6.1	0.0	9	20	419963.7	6795539.0
54	60560	BNORMAL	0	-1.1	8.0	0.0	0	16	419946.3	6795668.5
54	60560	CNORMAL	0	-1.3	6.7	0.0	0	21	419928.7	6795812.5
54	60560	DNORMAL	0	-2.6	4.3	0.0	0	9	419967.8	6799409.5
54	60560	ENORMAL	0	0.2	4.7	0.0	4	23	419975.5	6800700.0
54	60560	FNORMAL	0	-2.4	7.8	0.0	0	19	420062.0	6802209.0
54	60560	GNORMAL	0	-3.2	7.6	0.0	0	18	420069.8	6802464.0
54	60560	HNORMAL	0	-3.8	4.8	0.0	0	20	420059.8	6802631.0
54	60560	JNORMAL	0	2.2	13.5	0.0	2	28	420131.0	6806654.0
54	60570	ANORMAL	0	0.3	6.4	0.0	0	51	420246.1	6802768.5
54	60570	BNORMAL	0	0.1	5.7	0.0	0	54	420245.6	6802598.0
54	60570	CNORMAL	0	0.6	5.7	0.0	0	49	420247.1	6802519.5
54	60570	DNORMAL	0	0.3	6.5	0.0	0	29	420221.8	6800750.5
54	60570	ENORMAL	0	-0.4	4.0	0.0	0	39	420127.8	6796341.0
54	60570	FNORMAL	0	2.5	7.3	0.1	4	42	420109.3	6796111.5
54	60570	GNORMAL	0	7.1	22.5	0.1	4	26	420121.8	6795893.5
54	60580	ANORMAL	0	3.2	6.4	0.2	9	45	420324.9	6794559.0
54	60580	BNORMAL	0	4.9	13.0	0.1	7	32	420368.0	6795906.0
54	60580	CNORMAL	0	-1.8	5.0	0.0	0	20	420515.1	6802183.0
54	60580	DNORMAL	0	-1.2	4.6	0.0	0	26	420510.2	6802399.0
54	60580	ENORMAL	0	0.6	2.2	0.0	29	37	420495.8	6802556.0
54	60590	ANORMAL	0	2.5	8.9	0.0	0	45	420653.8	6803566.0

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
54	60590	BNORMAL	0	-2.4	4.9	0.0	0	41	420665.3	6802818.5
54	60590	CNORMAL	0	0.0	7.5	0.0	0	36	420516.8	6794697.5
55	60600	ANORMAL	0	-0.5	7.0	0.0	0	38	420905.6	6805113.5
55	60600	BNORMAL	0	1.3	9.9	0.0	0	41	420834.9	6803697.5
55	60601	ANORMAL	0	3.2	8.1	0.1	0	58	420818.3	6802358.0
55	60602	AMAGNETIC	0	-10.7	32.7	0.0	0	0	420767.0	6799536.0
55	60602	BNORMAL	0	21.6	36.7	0.6	2	28	420710.1	6794270.5
55	60610	ANORMAL	0	17.5	26.0	0.7	0	36	420871.1	6794144.5
55	60610	BMAGNETIC	0	-7.6	13.7	0.0	0	12	420993.0	6799272.5
55	60610	CNORMAL	0	0.7	6.5	0.0	0	34	421033.6	6801319.0
55	60610	DNORMAL	0	-1.8	10.6	0.0	0	29	421039.1	6802130.5
55	60610	ENORMAL	0	-1.1	10.9	0.0	0	54	421010.7	6803826.5
55	60610	FNORMAL	0	-3.4	15.2	0.0	0	28	421072.4	6804769.5
55	60620	ANORMAL	0	5.6	16.4	0.1	9	26	421351.1	6807351.5
55	60620	BNORMAL	0	1.7	10.4	0.0	0	36	421265.8	6804648.0
55	60621	ANORMAL	0	4.1	6.5	0.3	21	35	421126.3	6798604.0
55	60621	BNORMAL	0	0.8	4.9	0.0	6	36	421083.3	6794959.0
55	60621	CNORMAL	0	3.4	14.3	0.0	10	23	421062.8	6794505.0
55	60621	DNORMAL	0	8.0	12.2	0.5	10	35	421075.9	6794301.0
55	60630	ANORMAL	0	6.7	18.0	0.2	0	38	421293.3	6794867.5
55	60630	BNORMAL	0	-3.6	8.0	0.0	0	18	421379.1	6799449.5
55	60630	CNORMAL	0	-4.4	6.0	0.0	0	40	421381.7	6799602.0
55	60630	DNORMAL	0	3.3	15.7	0.0	2	28	421434.3	6804497.5
55	60630	ENORMAL	0	3.6	25.2	0.0	1	22	421534.1	6807364.0
55	60640	ANORMAL	0	2.7	15.0	0.0	0	31	421785.3	6807590.0
55	60640	BNORMAL	0	10.1	11.2	0.8	6	44	421662.9	6802206.0
55	60640	CNORMAL	0	7.5	19.6	0.2	2	31	421642.9	6802066.5
55	60640	DNORMAL	0	0.2	12.7	0.0	0	13	421623.0	6800874.0
55	60640	EMAGNETIC	0	-3.7	32.0	0.0	0	9	421637.4	6799597.5
55	60650	ANORMAL	0	3.3	7.9	0.1	0	57	421806.0	6799689.5
55	60650	BNORMAL	0	5.9	12.8	0.2	0	41	421833.6	6800841.5
55	60650	CNORMAL	0	8.7	14.8	0.4	10	31	421843.8	6802214.5
55	60650	DNORMAL	0	5.0	28.3	0.0	0	25	421963.6	6807758.0
55	60660	ANORMAL	1	20.0	15.6	1.8	9	36	422045.2	6802325.0
55	60660	BNORMAL	0	-0.7	5.4	0.0	0	34	422021.0	6800974.0

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
55	60660	CNORMAL	0	0.6	5.5	0.0	4	31	421909.0	6797057.0
55	60660	DNORMAL	0	1.9	5.1	0.1	23	30	421913.1	6796573.0
55	60670	ANORMAL	0	0.5	10.8	0.0	0	29	422126.0	6795203.5
55	60670	BNORMAL	1	23.4	25.5	1.2	0	39	422212.9	6799607.5
55	60670	CNORMAL	0	0.6	8.7	0.0	0	50	422216.1	6801139.0
55	60670	DNORMAL	0	5.4	16.7	0.1	10	23	422254.6	6802433.5
56	60681	ANORMAL	0	2.5	14.8	0.0	1	28	422467.8	6801292.5
56	60683	ANORMAL	0	0.3	17.0	0.0	0	26	422418.4	6800002.5
56	60683	BNORMAL	0	5.8	9.5	0.4	0	54	422392.5	6799632.0
56	60683	CNORMAL	0	4.8	15.6	0.1	0	40	422389.3	6799531.0
56	60683	DNORMAL	0	0.6	20.5	0.0	0	28	422388.0	6799061.0
56	60683	ENORMAL	0	1.1	19.7	0.0	0	29	422377.7	6795514.5
56	60690	ANORMAL	0	5.2	35.4	0.0	2	18	422563.3	6795501.5
56	60690	BNORMAL	0	16.5	30.3	0.5	7	24	422611.4	6799552.5
56	60690	CNORMAL	0	7.0	27.4	0.1	0	28	422638.9	6801215.0
56	60690	DNORMAL	0	0.7	24.4	0.0	0	24	422617.0	6801360.5
56	60700	ANORMAL	0	3.0	9.7	0.1	22	19	422935.7	6807676.0
56	60700	BNORMAL	0	4.7	15.2	0.1	3	31	422843.9	6804214.5
56	60700	CNORMAL	0	1.1	8.7	0.0	0	34	422862.6	6801697.5
56	60700	DNORMAL	0	0.9	11.4	0.0	0	28	422858.8	6801423.5
56	60700	ENORMAL	0	6.2	25.5	0.1	0	27	422853.4	6801269.0
56	60701	ANORMAL	0	9.3	10.2	0.8	4	47	422804.1	6799442.5
56	60701	BNORMAL	0	3.3	15.6	0.0	13	17	422764.3	6797490.0
56	60701	CNORMAL	0	2.9	12.4	0.0	5	29	422727.3	6795326.5
56	60701	DNORMAL	0	1.5	13.4	0.0	0	29	422743.5	6795193.5
56	60710	ANORMAL	1	19.0	17.0	1.4	12	32	422905.3	6795012.0
56	60710	BNORMAL	2	35.2	24.8	2.5	4	34	422917.5	6795239.0
56	60710	CNORMAL	0	1.2	14.9	0.0	5	18	422944.3	6796577.0
56	60710	DNORMAL	0	-0.4	15.0	0.0	0	17	422928.6	6796739.5
56	60710	ENORMAL	0	0.5	17.3	0.0	0	24	422987.5	6798499.5
56	60710	FNORMAL	0	6.5	8.6	0.5	10	43	422993.9	6799443.5
56	60710	GNORMAL	0	0.9	6.2	0.0	16	21	422991.2	6800062.5
56	60710	HNORMAL	0	-0.2	3.3	0.0	0	50	423040.3	6801334.0
56	60710	JNORMAL	0	-0.2	8.5	0.0	0	28	423051.6	6801543.0
56	60710	KNORMAL	0	-1.8	6.6	0.0	0	27	423045.8	6801623.5
56	60710	MNORMAL	0	0.3	6.9	0.0	0	30	423027.6	6801878.0
56	60710	NNORMAL	0	-13.1	4.0	0.0	0	23	423090.0	6804863.5
56	60710	0MAGNETIC	0	-33.7	3.8	0.0	0	18	423104.5	6805064.0

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GOALNET

FLIGHT	LINE	ANOMALY CATEGORY		AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
56	60720	ANORMAL	0	-2.1	4.2	0.0	0	21	423310.6	6806945.5
56	60720	BMAGNETIC	0	-8.5	12.6	0.0	0	10	423200.2	6800072.5
56	60720	CNORMAL	0	0.8	5.3	0.0	8	31	423205.5	6799478.0
56	60720	DNORMAL	0	-2.8	7.6	0.0	0	32	423184.0	6796788.5
56	60720	ENORMAL	0	24.1	33.0	0.9	4	29	423133.9	6795231.5
56	60720	FNORMAL	0	23.3	40.2	0.6	0	31	423112.2	6795088.5
56	60720	GNORMAL	0	15.5	30.5	0.4	11	20	423107.3	6794978.5
56	60730	ANORMAL	0	-0.7	9.8	0.0	0	33	423398.8	6796672.5
56	60730	BNORMAL	0	0.4	15.5	0.0	0	37	423407.7	6796948.5
56	60730	CNORMAL	0	0.3	10.5	0.0	0	39	423400.3	6797641.5
56	60730	DNORMAL	0	0.1	8.2	0.0	0	40	423388.3	6797799.0
56	60730	ENORMAL	0	0.3	4.8	0.0	4	27	423404.1	6799511.0
56	60742	ANORMAL	0	-1.6	6.8	0.0	0	28	423706.1	6803738.5
56	60742	BNORMAL	0	-1.2	14.9	0.0	0	24	423593.0	6797004.5
56	60750	ANORMAL	0	3.2	42.1	0.0	7	8	423894.0	6807628.5
56	60760	ANORMAL	0	-1.9	10.9	0.0	0	20	424087.7	6807463.0
56	60760	BNORMAL	0	-4.0	8.0	0.0	0	19	424100.4	6807262.0
56	60760	CNORMAL	0	-4.8	9.0	0.0	0	15	424110.9	6807181.0
56	60760	DNORMAL	0	-0.9	14.3	0.0	0	20	424006.8	6799321.0
56	60760	ENORMAL	0	2.1	13.9	0.0	6	22	423973.0	6797356.0
56	60760	FMAGNETIC	0	-3.9	7.0	0.0	0	10	423978.8	6797066.5
57	60770	ANORMAL	0	10.4	10.7	0.9	25	25	424170.7	6797391.0
57	60770	BNORMAL	0	0.4	9.7	0.0	7	14	424278.1	6802975.0
57	60780	ANORMAL	0	8.5	26.2	0.1	11	17	424494.9	6807574.5
57	60780	BNORMAL	0	9.8	30.5	0.2	12	15	424501.1	6807505.5
57	60780	CNORMAL	0	6.2	27.0	0.1	16	9	424520.5	6807376.0
57	60780	DNORMAL	0	7.9	31.2	0.1	16	9	424533.6	6807273.0
57	60780	ENORMAL	0	2.2	9.2	0.0	14	24	424557.2	6806539.5
57	60780	FNORMAL	0	-0.2	5.0	0.0	0	17	424511.8	6805666.5
57	60780	GNORMAL	0	2.2	2.7	0.3	17	64	424431.3	6802947.0
57	60780	HNORMAL	0	4.4	3.8	0.8	8	66	424441.8	6802740.0
57	60780	JNORMAL	0	0.5	10.2	0.0	0	28	424379.5	6799731.0
57	60780	KNORMAL	0	4.3	17.5	0.0	2	29	424353.2	6797441.5
57	60780	MMAGNETIC	0	-24.6	5.4	0.0	0	12	424356.0	6797141.5
57	60790	ANORMAL	0	-0.1	5.8	0.0	0	21	424568.5	6795490.5
57	60790	BNORMAL	0	4.2	7.3	0.3	1	52	424555.9	6796561.5
57	60790	CNORMAL	0	17.6	48.2	0.3	11	13	424561.9	6797400.0

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GOALNET

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58	60791	ANORMAL	0	10.6	28.9	0.2	7	21	424712.3	6807438.5
58	60791	BNORMAL	0	7.5	26.1	0.1	12	16	424706.9	6807347.5
58	60791	CNORMAL	0	5.3	20.2	0.1	17	12	424704.3	6807221.5
57	60800	ANORMAL	0	7.0	8.9	0.6	25	28	424749.4	6796999.0
58	60801	ANORMAL	0	5.4	9.4	0.3	22	27	424890.1	6806676.0
58	60801	BNORMAL	0	6.4	11.1	0.3	23	22	424891.9	6806762.0
58	60801	CNORMAL	0	6.9	10.0	0.5	25	25	424889.8	6807158.5
58	60801	DNORMAL	0	8.5	10.7	0.6	17	32	424895.6	6807471.0
57	60810	ANORMAL	0	9.0	31.2	0.1	7	19	424941.8	6795730.5
57	60810	BNORMAL	0	7.2	23.5	0.1	13	16	424935.0	6795961.0
57	60810	CNORMAL	0	24.7	38.4	0.7	4	26	424943.9	6796952.0
58	60811	ANORMAL	0	7.0	24.0	0.1	15	14	425086.5	6807527.5
58	60811	BNORMAL	0	5.9	22.1	0.1	15	13	425092.6	6807434.5
58	60811	CNORMAL	0	7.2	16.9	0.2	23	13	425101.5	6807333.5
57	60820	ANORMAL	0	26.3	51.1	0.6	4	22	425181.8	6796618.0
57	60820	BNORMAL	0	30.6	45.8	0.9	7	21	425167.5	6796431.5
58	60821	ANORMAL	0	6.8	17.7	0.2	7	28	425307.0	6807029.0
57	60830	ANORMAL	1	38.6	53.6	1.0	10	18	425358.7	6796200.0
57	60830	BNORMAL	0	20.0	41.9	0.4	2	26	425364.4	6796476.5
57	60830	CNORMAL	0	3.2	14.3	0.0	2	30	425415.5	6798570.5
57	60840	ANORMAL	0	3.0	25.8	0.0	7	14	425615.1	6798635.0
57	60840	BNORMAL	0	0.4	30.7	0.0	0	11	425616.4	6798294.0
57	60840	CNORMAL	0	9.1	23.1	0.2	0	32	425577.6	6796525.0
57	60840	DNORMAL	0	27.9	47.4	0.7	0	30	425574.3	6796369.0
57	60840	ENORMAL	0	28.6	44.4	0.8	1	27	425572.3	6796288.0
57	60840	FNORMAL	1	51.3	55.5	1.6	2	26	425565.8	6796124.0
57	60850	ANORMAL	1	11.0	10.1	1.1	3	49	425772.0	6796204.5
57	60850	BNORMAL	0	8.7	17.4	0.3	3	34	425742.4	6796661.5
57	60850	CNORMAL	0	4.3	10.8	0.1	13	29	425785.3	6798611.0
57	60860	ANORMAL	0	5.0	17.7	0.1	7	24	425996.2	6798659.0
57	60860	BNORMAL	0	8.9	24.4	0.2	7	23	425950.8	6796586.0
57	60860	CNORMAL	0	9.1	11.1	0.7	22	27	425932.6	6796318.0
57	60870	ANORMAL	1	8.7	6.7	1.3	16	45	426146.4	6796158.5

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GOALNET

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
57	60870	BNORMAL	0	11.9	16.6	0.6	14	27	426120.7	6796758.0
57	60880	ANORMAL	0	5.4	15.5	0.1	19	16	426391.8	6797867.5
57	60880	BNORMAL	0	4.7	10.6	0.2	28	15	426383.7	6796932.5
57	60880	CNORMAL	1	17.0	16.3	1.3	19	26	426369.9	6796402.0
57	60880	DNORMAL	1	19.4	17.7	1.4	14	29	426355.1	6796202.5
57	60890	ANORMAL	0	1.8	6.0	0.0	26	22	426476.8	6796915.5
57	60900	ANORMAL	0	3.3	15.8	0.0	11	19	426766.6	6797208.5
57	60900	BNORMAL	0	3.4	9.3	0.1	30	13	426766.6	6796870.5
57	60910	ANORMAL	0	1.9	11.8	0.0	1	30	426986.0	6799678.0
57	60910	BNORMAL	0	3.1	10.7	0.0	7	31	427071.2	6800129.0
57	60920	ANORMAL	0	0.8	12.8	0.0	11	10	427220.0	6800185.5
57	60920	BNORMAL	0	1.2	13.1	0.0	7	17	427253.6	6799748.0
57	60950	ANORMAL	0	1.6	7.3	0.0	0	42	427772.8	6797289.5
57	60960	AMAGNETIC	0	-4.0	13.8	0.0	0	14	428043.7	6800532.5
57	60960	BMAGNETIC	0	-3.4	22.0	0.0	0	16	428017.2	6799840.5
57	60960	CNORMAL	0	-1.4	11.5	0.0	0	11	428049.7	6798902.0
57	60960	DNORMAL	0	5.0	8.1	0.3	23	29	428038.7	6797269.0
58	60980	ANORMAL	0	4.0	21.9	0.0	13	13	428317.8	6797171.0
58	60980	BMAGNETIC	0	-20.2	15.5	0.0	0	7	428332.2	6797295.5
58	60980	CNORMAL	0	2.1	18.1	0.0	13	11	428359.3	6797828.5
58	60980	DNORMAL	0	-1.2	8.7	0.0	0	14	428395.9	6798562.0
58	61010	ANORMAL	0	0.4	11.9	0.0	0	17	429012.7	6799116.0
58	61020	ANORMAL	0	1.0	10.6	0.0	0	39	429152.8	6798650.5
58	61030	ANORMAL	0	-0.6	8.8	0.0	0	33	429368.9	6798669.0

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HATTRICK

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
12	30040	AMAGNETIC	0	-9.0	4.1	0.0	0	21	405377.1	6790488.0
12	30040	BMAGNETIC	0	-18.0	3.6	0.0	0	26	405459.5	6790522.5
12	30031	ANORMAL	0	-2.2	6.9	0.0	0	28	406421.4	6791346.0
12	30031	BNORMAL	0	-1.8	8.9	0.0	0	23	406322.2	6791307.0
12	30050	ANORMAL	0	0.6	8.3	0.0	0	33	405085.1	6790174.5
12	30050	BNORMAL	0	-1.2	15.8	0.0	0	15	405017.0	6790127.0
12	30050	CNORMAL	0	1.5	10.3	0.0	5	26	404942.3	6790084.0
12	30070	ANORMAL	0	-0.5	-1.2	0.0	0	14	405586.0	6789956.5
12	30070	BNORMAL	0	1.2	3.2	0.0	33	31	405391.6	6789830.0
12	30070	CNORMAL	0	0.3	-3.3	0.0	0	21	404748.2	6789504.0
12	30081	ANORMAL	0	5.5	10.8	0.3	13	32	410165.0	6792237.0
12	30081	BNORMAL	0	5.7	7.1	0.5	25	33	410283.3	6792287.0
12	30081	CNORMAL	0	6.7	7.3	0.7	23	35	410383.9	6792337.0
12	30080	ANORMAL	0	2.7	3.9	0.3	54	15	406585.5	6790232.0
12	30080	BNORMAL	0	4.2	12.6	0.1	12	26	407113.9	6790510.5
12	30080	CNORMAL	0	5.9	16.7	0.1	0	35	407296.2	6790610.5
12	30080	DNORMAL	0	4.4	15.4	0.1	3	31	407426.1	6790685.5
12	30080	ENORMAL	0	11.4	18.7	0.5	7	31	409477.7	6791800.0
12	30090	ANORMAL	0	12.3	17.1	0.7	8	33	410741.9	6792265.5
12	30090	BNORMAL	0	11.5	13.7	0.8	11	34	410560.1	6792187.0
12	30090	CNORMAL	0	9.8	20.6	0.3	5	29	407563.1	6790568.5
12	30090	DNORMAL	0	11.9	31.1	0.2	13	15	407174.2	6790383.5
12	30090	ENORMAL	0	5.4	18.2	0.1	5	27	406904.4	6790240.5
12	30090	FNORMAL	0	5.2	8.5	0.3	16	34	406090.7	6789788.0
12	30090	GNORMAL	0	0.6	7.8	0.0	0	34	404661.0	6789025.0
12	30101	ANORMAL	0	11.0	28.0	0.2	0	35	408068.8	6790635.0
12	30101	BNORMAL	0	10.6	29.6	0.2	0	34	408853.3	6791024.0
12	30101	CNORMAL	0	9.6	27.0	0.2	0	33	408998.6	6791106.5
12	30101	DNORMAL	0	10.5	19.2	0.4	1	37	409141.8	6791190.0
12	30101	ENORMAL	0	5.2	19.5	0.1	0	37	410295.5	6791823.5
12	30100	ANORMAL	0	2.1	8.2	0.0	20	20	405332.0	6789179.0
44	30110	ANORMAL	1	32.3	37.5	1.2	1	31	410734.5	6791818.0
44	30110	BNORMAL	0	21.6	31.4	0.8	0	32	410415.6	6791643.0
44	30110	CNORMAL	0	18.6	31.2	0.6	0	41	409966.9	6791424.0
44	30110	DNORMAL	1	34.6	39.4	1.3	3	29	409752.8	6791324.5

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HATTRICK

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
44	30110	ENORMAL	0	21.7	42.9	0.5	0	32	407996.4	6790345.0
44	30110	FNORMAL	0	0.5	17.1	0.0	0	28	406857.5	6789768.0
44	30110	GNORMAL	0	-1.1	13.1	0.0	0	32	405893.2	6789240.5
44	30120	ANORMAL	0	7.3	15.8	0.3	0	56	406902.8	6789529.5
44	30120	BNORMAL	0	8.9	21.4	0.2	0	36	407073.3	6789614.5
44	30120	CNORMAL	0	5.6	19.3	0.1	0	31	407722.1	6790044.5
44	30120	DNORMAL	2	45.4	33.7	2.5	0	35	408254.9	6790235.0
44	30120	ENORMAL	1	44.1	45.3	1.6	0	31	408523.0	6790347.0
44	30120	FNORMAL	2	40.9	30.4	2.4	12	24	408742.8	6790486.5
44	30120	GNORMAL	0	26.7	43.7	0.7	11	17	409708.2	6791038.5
44	30120	HNORMAL	1	62.0	68.0	1.7	8	18	409855.1	6791120.0
44	30120	JNORMAL	1	64.0	68.3	1.8	6	20	409927.8	6791168.5
44	30120	KNORMAL	1	42.1	54.1	1.2	6	21	410049.4	6791235.5
44	30120	MNORMAL	1	32.3	36.9	1.3	1	32	410254.5	6791352.5
44	30120	NNORMAL	0	16.8	21.0	0.9	0	39	410536.8	6791502.5
44	30120	ONORMAL	1	20.9	19.3	1.4	1	40	410830.1	6791670.0
44	30130	ANORMAL	1	30.1	30.7	1.4	11	24	411021.0	6791522.5
44	30130	BNORMAL	0	15.0	32.2	0.4	5	25	410890.5	6791455.0
44	30130	CNORMAL	0	13.5	35.0	0.3	0	27	410741.2	6791364.0
44	30130	DNORMAL	1	43.2	58.7	1.1	9	17	410527.6	6791231.0
44	30130	ENORMAL	0	38.9	65.7	0.8	10	14	410425.0	6791170.5
44	30130	FNORMAL	0	14.7	40.0	0.3	12	14	410174.1	6791029.5
44	30130	GNORMAL	0	10.1	33.4	0.1	6	20	410046.6	6790961.5
44	30130	HNORMAL	0	15.9	18.8	0.9	6	35	408743.8	6790287.5
44	30130	JNORMAL	0	27.2	42.0	0.8	3	27	408517.3	6790162.0
44	30130	KNORMAL	1	33.3	35.7	1.4	2	31	408246.1	6790019.5
44	30140	ANORMAL	2	39.7	26.6	2.8	15	22	408228.9	6789807.5
44	30140	BNORMAL	2	40.5	22.4	3.6	1	37	408720.0	6790058.0
44	30140	CNORMAL	1	42.2	63.1	1.0	12	13	410533.1	6791043.0
44	30140	DNORMAL	0	47.1	91.7	0.7	10	11	410643.3	6791101.0
44	30140	ENORMAL	0	38.1	76.6	0.6	6	16	410821.0	6791184.0
44	30140	FNORMAL	1	32.6	39.6	1.2	10	21	411012.9	6791278.0
44	30140	GNORMAL	1	40.9	43.7	1.5	9	22	411153.2	6791345.0
44	30140	HNORMAL	1	30.4	31.6	1.4	14	21	411219.1	6791375.0
44	30140	JNORMAL	1	33.3	44.3	1.0	13	17	411522.5	6791538.5
44	30140	KNORMAL	0	27.1	38.2	0.9	15	15	411591.4	6791572.5
45	30150	ANORMAL	1	56.0	69.5	1.4	11	14	411047.8	6791159.0
45	30150	BNORMAL	1	35.2	35.9	1.5	16	17	410567.9	6790859.5
45	30150	CNORMAL	2	33.9	27.7	2.0	16	21	410421.7	6790770.0
45	30150	DNORMAL	1	30.1	30.4	1.5	15	20	410326.1	6790715.5
45	30150	ENORMAL	0	4.2	-1.6	0.0	0	35	409510.1	6790324.0

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HATTRICK

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
45	30150	FNORMAL	1	13.4	14.6	1.0	14	32	408970.8	6790031.0
45	30150	GNORMAL	0	20.8	0.9	91.3	22	36	408775.5	6789921.5
45	30150	HNORMAL	0	7.8	0.8	21.3	63	16	408567.7	6789806.0
45	30150	INORMAL	0	7.3	-7.8	0.0	0	45	407702.0	6789283.5
45	30150	JNORMAL	0	5.3	4.7	0.9	41	28	407307.0	6789080.5
45	30160	ANORMAL	2	18.5	9.1	3.2	15	37	410650.8	6790647.0
45	30160	BNORMAL	0	5.8	11.5	0.3	6	38	411312.7	6790999.0
46	30170	ANORMAL	0	7.4	14.0	0.3	2	39	411438.8	6790819.0
46	30170	BNORMAL	2	22.6	16.0	2.1	24	21	410888.1	6790525.0
46	30170	CNORMAL	2	11.9	6.1	2.6	33	28	410416.8	6790329.0
46	30180	ANORMAL	0	7.4	16.1	0.3	2	35	407391.8	6788475.0
46	30180	BNORMAL	0	8.2	12.2	0.5	7	38	407605.4	6788603.0
46	30180	CNORMAL	0	2.3	9.8	0.0	18	19	408175.3	6788916.5
46	30190	ANORMAL	0	6.9	28.6	0.1	0	27	411664.8	6790520.5
46	30190	BNORMAL	0	32.1	49.7	0.8	0	27	410649.3	6789962.0
46	30190	CNORMAL	0	5.9	17.1	0.1	6	28	410368.5	6789808.5
46	30190	DNORMAL	1	21.9	24.5	1.1	14	23	408723.9	6788939.5
46	30190	ENORMAL	0	13.7	27.1	0.4	2	30	407655.9	6788391.0
46	30190	FNORMAL	0	6.9	17.7	0.2	9	26	407500.8	6788310.0
14	30200	ANORMAL	0	13.0	15.9	0.8	6	37	411205.4	6790024.5
14	30200	BNORMAL	1	8.7	6.4	1.4	6	55	410767.6	6789792.5
14	30200	CNORMAL	1	7.0	6.2	1.0	1	62	410615.6	6789701.5
14	30200	DNORMAL	0	2.4	4.5	0.2	13	49	408799.4	6788835.0
14	30211	ANORMAL	0	4.3	10.7	0.1	0	43	409078.6	6788664.0
14	30211	BNORMAL	1	4.4	3.5	1.0	31	46	410918.8	6789706.0
14	30211	CNORMAL	1	13.0	12.4	1.1	7	42	411319.1	6789870.5
14	30211	DNORMAL	0	12.6	13.8	0.9	8	38	411418.0	6789926.0
14	30220	ANORMAL	0	21.6	42.9	0.5	0	29	410893.2	6789403.0
14	30220	BNORMAL	0	9.3	13.2	0.6	6	39	409093.2	6788470.0
14	30230	ANORMAL	0	1.9	6.7	0.0	10	35	408701.8	6788015.0
14	30230	BNORMAL	0	3.5	8.1	0.1	16	31	409289.6	6788297.5
14	30230	CNORMAL	0	4.5	9.5	0.2	12	34	409374.6	6788348.0
14	30230	DNORMAL	0	5.9	10.0	0.3	6	41	409463.4	6788388.0
14	30230	ENORMAL	0	0.0	10.8	0.0	0	35	410023.3	6788749.0
14	30230	FNORMAL	0	-0.3	10.1	0.0	0	33	410133.5	6788812.5
14	30230	GNORMAL	0	-1.6	5.3	0.0	0	42	410727.9	6789098.5
14	30230	HNORMAL	0	5.0	16.6	0.1	5	28	411144.7	6789308.0

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HATTRICK

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14	30230	JNORMAL	0	9.2	19.5	0.3	12	23	411207.9	6789349.0
14	30230	KNORMAL	0	9.6	14.6	0.5	9	33	411368.0	6789417.5
14	30240	ANORMAL	1	14.6	16.1	1.0	3	41	412066.2	6789587.0
14	30240	BNORMAL	0	17.8	21.8	0.9	0	39	411973.2	6789527.0
14	30240	CNORMAL	1	18.1	16.1	1.4	16	28	411424.3	6789232.5
14	30240	DNORMAL	0	2.8	8.0	0.1	11	33	410817.5	6788896.5
14	30240	ENORMAL	0	2.8	7.2	0.1	6	42	410654.6	6788782.0
14	30240	FNORMAL	0	3.2	6.1	0.2	9	46	410526.7	6788718.0
14	30240	GNORMAL	0	1.3	5.3	0.0	0	52	410365.6	6788636.5
14	30250	ANORMAL	0	-0.8	4.7	0.0	0	29	411493.2	6789058.5
14	30250	BNORMAL	1	11.3	7.3	1.9	21	37	411819.9	6789252.5
14	30250	CNORMAL	1	14.0	11.7	1.4	10	40	412183.8	6789454.0
14	30261	ANORMAL	1	12.9	12.8	1.1	6	42	412318.7	6789262.0
14	30261	BNORMAL	2	17.1	8.8	3.0	22	31	411948.8	6789117.5
14	30261	CNORMAL	1	9.0	7.2	1.3	28	31	411829.3	6789043.5
14	30261	DMAGNETIC	0	5.0	11.6	0.2	31	10	409157.0	6787559.0
14	30261	ENORMAL	0	4.5	9.5	0.2	13	33	406467.3	6786120.5
14	30270	ANORMAL	0	-0.8	11.3	0.0	0	24	408230.3	6786819.0
14	30270	BNORMAL	0	-2.3	19.5	0.0	0	19	408785.7	6787140.5
14	30270	CNORMAL	0	-0.4	8.1	0.0	0	42	410507.4	6788083.5
14	30270	DNORMAL	0	-0.9	9.7	0.0	0	40	410734.0	6788188.0
14	30270	ENORMAL	0	-1.1	15.8	0.0	0	28	411263.7	6788455.0
14	30270	FNORMAL	0	0.8	17.7	0.0	0	31	411342.7	6788494.0
14	30270	GNORMAL	0	7.9	11.2	0.5	0	53	411665.4	6788677.5
14	30270	HNORMAL	0	12.2	17.6	0.6	0	49	411753.8	6788735.0
14	30270	JNORMAL	0	7.4	20.6	0.2	8	24	411881.1	6788815.5
14	30270	KNORMAL	0	7.7	29.3	0.1	6	20	411968.4	6788860.5
14	30270	MNORMAL	0	7.6	31.5	0.1	6	19	412034.9	6788902.5
14	30270	NNORMAL	0	2.6	9.3	0.0	7	33	412428.2	6789091.0
15	30280	ANORMAL	1	20.8	23.9	1.1	10	28	411806.9	6788571.5
15	30280	BNORMAL	1	10.8	9.2	1.2	20	34	411699.3	6788508.5
15	30280	CNORMAL	0	3.6	6.4	0.2	30	26	409598.0	6787352.5
15	30291	ANORMAL	0	0.5	18.7	0.0	0	20	409211.3	6786890.0
15	30291	BNORMAL	0	1.8	11.3	0.0	0	36	409510.9	6787054.0
15	30291	CNORMAL	0	13.3	51.5	0.1	6	15	410733.2	6787729.5
15	30291	DNORMAL	0	11.2	51.3	0.1	7	13	410803.5	6787767.0
15	30291	ENORMAL	0	6.4	16.8	0.2	4	31	411775.9	6788289.0
15	30291	FNORMAL	0	30.5	47.6	0.8	18	10	411908.6	6788370.5
15	30291	GNORMAL	0	18.6	46.7	0.3	13	11	412009.7	6788422.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
15	30300	ANORMAL	0	18.4	30.4	0.6	22	10	412439.5	6788475.5
15	30300	BNORMAL	0	58.0	126.4	0.7	16	2	412199.6	6788328.5
15	30300	CNORMAL	0	46.8	86.3	0.8	16	5	412140.2	6788292.0
15	30300	DNORMAL	0	7.7	15.6	0.3	22	17	411817.1	6788096.5
15	30300	ENORMAL	0	10.4	18.9	0.4	19	18	411431.8	6787897.0
15	30300	FNORMAL	2	113.3	119.6	2.2	13	9	411012.5	6787677.0
15	30300	GNORMAL	1	19.6	17.9	1.4	0	43	410668.3	6787487.5
15	30300	HNORMAL	0	9.8	12.5	0.7	7	40	409829.2	6787043.5
15	30301	ANORMAL	0	4.1	6.0	0.4	27	32	409669.3	6786922.0
15	30301	BNORMAL	0	4.9	10.7	0.2	19	25	409526.7	6786835.5
15	30301	CNORMAL	0	2.9	13.1	0.0	5	28	409217.9	6786666.5
15	30301	DNORMAL	0	1.8	11.4	0.0	9	22	409124.8	6786633.0
15	30311	ANORMAL	0	8.5	12.3	0.5	17	29	410576.8	6787145.0
15	30311	BNORMAL	0	33.8	52.6	0.8	7	20	411002.5	6787390.5
15	30311	CNORMAL	0	20.8	35.0	0.6	18	12	411098.8	6787451.0
15	30311	DNORMAL	1	96.2	138.4	1.4	19	1	411209.5	6787507.0
15	30311	ENORMAL	0	10.1	21.7	0.3	7	27	411536.7	6787701.0
15	30311	FNORMAL	0	-0.1	8.1	0.0	0	15	412025.3	6787985.5
15	30321	ANORMAL	0	5.2	9.6	0.3	23	25	412324.3	6787943.0
15	30321	BNORMAL	0	7.8	12.2	0.4	14	31	411781.8	6787655.5
15	30321	CNORMAL	0	16.5	21.3	0.8	13	26	411704.7	6787614.5
15	30321	DNORMAL	2	20.1	11.3	2.8	24	25	411416.6	6787486.5
15	30321	ENORMAL	2	38.4	27.9	2.5	17	20	411268.8	6787420.5
15	30321	FNORMAL	1	9.5	7.5	1.3	4	54	410792.6	6787185.0
15	30321	GNORMAL	0	22.7	38.5	0.6	9	21	410614.0	6787081.0
15	30321	HNORMAL	0	-0.5	6.7	0.0	0	29	408876.9	6786101.5
15	30321	JNORMAL	0	1.0	6.4	0.0	3	35	408754.5	6786013.5
15	30321	KNORMAL	0	1.1	5.0	0.0	0	53	408375.9	6785765.0
15	30321	MNORMAL	0	3.1	7.1	0.1	27	23	407364.5	6785237.0
62	30335	ANORMAL	0	2.0	15.1	0.0	4	22	412478.9	6787834.0
62	30335	BNORMAL	0	1.8	19.6	0.0	4	17	412354.8	6787769.0
62	30335	CNORMAL	0	15.8	26.5	0.6	10	24	411736.3	6787418.0
62	30335	DNORMAL	2	43.9	33.3	2.4	10	25	411503.8	6787296.5
62	30335	ENORMAL	2	52.8	43.1	2.3	19	13	411418.5	6787258.0
62	30335	FNORMAL	1	18.9	14.4	1.8	5	41	411299.1	6787169.0
62	30335	GNORMAL	0	15.8	22.3	0.7	18	19	411221.5	6787140.0
62	30335	HNORMAL	1	22.2	19.2	1.6	20	22	411177.0	6787082.0
62	30335	JNORMAL	1	8.2	7.1	1.1	37	22	411097.8	6787054.5
62	30335	KNORMAL	0	1.3	8.0	0.0	1	34	410553.9	6786764.5
62	30335	MNORMAL	0	5.7	13.5	0.2	0	46	410185.7	6786574.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
46	30340	ANORMAL	0	5.3	10.3	0.3	10	35	410560.1	6786534.5
46	30340	BNORMAL	1	26.0	27.3	1.3	4	33	411437.8	6787029.0
46	30340	CNORMAL	2	43.0	29.8	2.7	0	43	411559.2	6787069.0
46	30340	DNORMAL	3	32.3	14.3	4.5	0	57	411679.8	6787121.0
46	30340	ENORMAL	0	6.8	10.6	0.4	17	31	411855.4	6787221.0
46	30340	FNORMAL	0	4.1	8.0	0.2	28	22	411930.7	6787273.0
46	30350	ANORMAL	0	2.1	13.2	0.0	0	30	413074.5	6787708.5
46	30350	BNORMAL	0	11.6	13.9	0.8	9	37	411908.5	6787108.0
46	30350	CNORMAL	2	19.3	11.9	2.4	0	59	411753.3	6787024.0
46	30350	DNORMAL	2	17.4	11.3	2.2	3	47	411675.3	6786981.0
46	30350	ENORMAL	0	3.3	14.6	0.0	11	21	409442.9	6785658.0
48	30361	ANORMAL	0	3.1	9.0	0.1	25	17	411050.4	6786303.5
48	30361	BNORMAL	0	3.8	6.7	0.2	28	27	411260.1	6786419.0
48	30361	CNORMAL	0	4.2	10.4	0.1	10	33	411492.3	6786563.0
48	30361	DNORMAL	0	10.7	21.3	0.4	0	38	411924.1	6786801.0
48	30361	ENORMAL	0	11.0	26.0	0.3	10	21	412024.1	6786853.5
48	30361	FNORMAL	0	11.9	16.5	0.6	17	25	412145.3	6786917.0
48	30361	GNORMAL	0	20.2	35.8	0.6	1	28	413752.1	6787778.5
47	30370	ANORMAL	1	29.3	27.1	1.6	12	25	413982.3	6787703.0
47	30370	BNORMAL	1	13.8	15.0	1.0	26	19	413499.2	6787428.5
47	30370	CNORMAL	2	23.5	14.9	2.5	25	21	413284.1	6787290.0
47	30370	DNORMAL	2	167.9	184.1	2.4	9	10	413152.6	6787212.5
47	30370	ENORMAL	0	8.7	10.9	0.7	18	31	412291.7	6786742.5
47	30370	FNORMAL	0	5.6	15.8	0.1	0	37	411020.8	6786073.0
47	30370	GNORMAL	0	6.3	11.0	0.3	7	39	410426.8	6785746.5
47	30370	HNORMAL	0	5.7	12.8	0.2	0	45	410351.2	6785704.0
47	30370	INORMAL	0	3.5	18.7	0.0	5	22	409861.0	6785428.5
47	30380	ANORMAL	0	2.5	10.5	0.0	14	22	409237.6	6784919.0
47	30380	BNORMAL	1	15.8	17.4	1.0	8	34	410404.0	6785560.0
47	30380	CNORMAL	0	7.4	13.0	0.4	15	28	411031.0	6785869.5
47	30380	DNORMAL	0	13.0	19.1	0.6	8	31	411222.3	6785955.5
47	30380	ENORMAL	0	10.6	25.0	0.3	22	10	411419.9	6786051.5
47	30380	FNORMAL	0	8.5	18.6	0.3	16	19	411477.6	6786086.5
47	30380	GNORMAL	1	6.1	4.0	1.4	30	42	412361.9	6786526.0
47	30380	HNORMAL	2	34.6	19.5	3.3	3	38	413411.1	6787119.5
47	30380	INORMAL	3	23.4	6.9	7.0	12	39	413462.7	6787149.5
47	30390	ANORMAL	2	9.6	5.3	2.2	37	27	414114.7	6787297.5
47	30390	BNORMAL	1	8.7	6.1	1.5	40	23	413897.1	6787178.5
47	30390	CNORMAL	2	22.0	12.9	2.7	26	22	413649.7	6787060.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
47	30390	DNORMAL	2	33.1	25.7	2.1	14	24	413547.2	6787017.5
47	30390	ENORMAL	2	36.0	28.4	2.2	8	29	413477.6	6786985.0
47	30390	FNORMAL	2	7.5	3.3	2.8	34	39	412649.3	6786563.5
47	30390	GNORMAL	0	3.8	4.7	0.4	21	45	412461.1	6786470.0
47	30390	HNORMAL	0	2.8	6.0	0.1	12	42	412390.7	6786434.5
47	30390	INORMAL	0	5.8	18.0	0.1	6	26	411547.8	6785941.5
47	30390	JNORMAL	0	2.2	23.9	0.0	0	22	411476.8	6785899.0
47	30390	KNORMAL	0	13.2	38.8	0.2	6	19	410528.5	6785428.5
47	30390	MNORMAL	0	11.1	35.2	0.2	7	19	409891.5	6785073.5
47	30390	NNORMAL	0	2.4	13.7	0.0	0	30	409764.2	6784978.0
47	30400	ANORMAL	0	5.7	12.0	0.2	14	28	409406.9	6784542.5
47	30400	BNORMAL	0	8.3	13.6	0.4	14	29	409513.0	6784591.0
47	30400	CNORMAL	0	4.9	11.9	0.2	12	29	409806.0	6784756.5
47	30400	DNORMAL	0	27.5	109.8	0.2	8	8	409997.3	6784838.5
47	30400	ENORMAL	0	15.8	55.8	0.2	11	10	410052.2	6784864.5
47	30400	FNORMAL	0	6.8	13.4	0.3	14	28	410334.3	6785021.5
47	30400	GNORMAL	0	2.1	8.3	0.0	23	17	410424.2	6785077.0
47	30400	HNORMAL	1	17.9	18.5	1.2	17	25	410876.1	6785325.0
47	30400	JNORMAL	0	24.6	41.9	0.7	14	15	411591.5	6785681.0
47	30400	KNORMAL	0	5.7	1.5	5.2	54	31	411676.9	6785743.0
47	30400	MNORMAL	0	13.8	22.8	0.5	7	28	412674.2	6786253.5
47	30400	NNORMAL	1	23.6	25.1	1.2	15	22	412877.9	6786368.0
47	30400	ONORMAL	1	28.4	25.9	1.6	11	26	413028.1	6786461.5
47	30400	PNORMAL	2	9.8	4.9	2.5	27	38	414068.0	6787018.0
47	30410	ANORMAL	1	21.1	25.6	1.0	13	23	413669.8	6786591.0
47	30410	BNORMAL	1	30.4	32.3	1.4	9	25	413534.2	6786511.0
47	30410	CNORMAL	1	16.5	17.6	1.1	10	32	413384.0	6786430.5
47	30410	DNORMAL	1	26.3	21.2	1.9	13	27	413209.4	6786328.5
47	30410	ENORMAL	1	25.7	27.2	1.3	13	24	412936.7	6786190.5
47	30410	FNORMAL	0	18.3	24.7	0.8	10	26	412882.2	6786164.5
47	30410	GNORMAL	1	10.2	10.2	1.0	17	35	412798.8	6786128.0
47	30410	HNORMAL	0	2.5	3.2	0.3	50	26	411908.7	6785665.5
47	30410	JNORMAL	0	4.5	5.3	0.5	52	12	411849.2	6785616.5
47	30410	KNORMAL	0	2.3	5.1	0.1	28	28	411163.9	6785243.5
47	30410	MNORMAL	0	9.0	11.4	0.7	26	23	410983.0	6785153.0
47	30410	NNORMAL	0	7.9	8.9	0.7	11	43	410208.6	6784781.5
47	30410	ONORMAL	1	11.2	8.9	1.4	21	34	410003.3	6784650.5
47	30410	PNORMAL	0	8.5	14.2	0.4	16	26	409568.3	6784412.5
47	30410	QNORMAL	0	16.3	19.9	0.9	9	31	409473.4	6784364.5
47	30410	RNORMAL	0	16.6	32.7	0.4	5	26	409296.6	6784267.0
47	30410	SNORMAL	0	18.5	32.5	0.6	2	29	409157.5	6784164.0
47	30420	ANORMAL	0	11.3	18.5	0.5	10	28	409190.0	6783964.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
47	30420	BNORMAL	0	7.4	12.7	0.4	25	19	409353.8	6784063.5
47	30420	CNORMAL	0	12.6	15.3	0.8	16	28	409558.1	6784181.0
47	30420	DNORMAL	1	10.3	9.6	1.1	18	35	409628.7	6784220.0
47	30420	ENORMAL	2	27.2	18.9	2.3	0	64	409773.7	6784289.5
47	30420	FNORMAL	2	30.1	18.5	2.8	0	53	409871.1	6784332.5
47	30420	GNORMAL	1	25.0	24.7	1.4	6	32	409996.6	6784398.5
47	30420	HNORMAL	2	14.9	9.6	2.1	0	53	410233.6	6784532.5
47	30420	JNORMAL	1	9.4	7.5	1.3	32	27	410535.2	6784696.0
47	30420	KNORMAL	0	2.4	11.6	0.0	19	14	410936.8	6784922.0
47	30420	MNORMAL	0	8.2	12.9	0.4	27	18	411064.3	6784979.5
47	30420	NNORMAL	0	5.8	7.5	0.5	27	29	411272.8	6785075.5
47	30420	ONORMAL	1	8.2	5.0	1.8	42	25	412013.2	6785474.0
47	30420	PNORMAL	0	13.9	17.4	0.8	22	20	412887.7	6785915.0
47	30420	QNORMAL	2	18.6	12.8	2.1	5	43	413038.3	6785985.0
47	30420	RNORMAL	1	16.4	13.3	1.6	8	40	413203.5	6786065.5
47	30420	SNORMAL	1	16.1	12.4	1.7	10	39	413804.9	6786404.0
47	30430	ANORMAL	0	15.8	19.7	0.8	15	25	414751.4	6786774.5
47	30430	BNORMAL	1	21.0	17.0	1.7	4	40	413986.0	6786334.5
47	30430	CNORMAL	1	29.3	27.1	1.6	12	24	413846.9	6786276.5
47	30430	DNORMAL	1	28.7	35.3	1.1	2	30	413110.8	6785879.5
47	30430	ENORMAL	0	20.9	36.6	0.6	0	30	413029.9	6785845.5
47	30430	FNORMAL	0	1.0	7.9	0.0	2	31	412547.2	6785543.0
47	30430	GNORMAL	0	4.0	16.4	0.0	18	13	412170.1	6785373.0
47	30430	HNORMAL	0	-0.2	6.0	0.0	0	53	411984.3	6785240.0
47	30430	JNORMAL	0	-0.4	6.8	0.0	0	40	411873.4	6785172.5
47	30430	KNORMAL	0	-2.5	8.6	0.0	0	21	411775.8	6785110.5
47	30430	MNORMAL	0	2.8	22.3	0.0	3	19	411465.7	6784895.0
47	30430	NNORMAL	0	1.2	26.2	0.0	4	11	411249.3	6784817.5
47	30430	ONORMAL	0	1.2	23.4	0.0	5	11	411145.3	6784774.5
47	30430	PNORMAL	0	3.9	12.0	0.1	0	42	410781.2	6784610.0
47	30430	QNORMAL	0	6.7	12.8	0.3	0	46	410561.6	6784472.5
47	30430	RNORMAL	1	21.9	22.5	1.3	2	37	410103.4	6784215.5
47	30440	ANORMAL	0	4.8	9.5	0.2	20	26	409636.4	6783777.5
47	30440	BNORMAL	0	18.1	26.2	0.7	0	40	410105.0	6784021.5
47	30440	CNORMAL	0	0.3	6.3	0.0	5	20	410394.0	6784158.0
47	30440	DNORMAL	0	0.3	10.5	0.0	0	27	411231.3	6784609.5
47	30440	ENORMAL	0	-3.1	24.4	0.0	0	7	411589.3	6784794.0
47	30440	FNORMAL	0	0.4	4.3	0.0	1	35	412270.0	6785176.5
47	30440	GNORMAL	0	16.2	27.4	0.6	3	30	414090.8	6786131.5
47	30450	ANORMAL	0	25.2	36.8	0.8	7	24	414828.0	6786319.5
47	30450	BNORMAL	0	33.5	49.5	0.9	6	22	414703.6	6786240.0
47	30450	CNORMAL	0	27.0	39.7	0.8	7	23	414499.6	6786128.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
47	30450	DNORMAL	0	24.3	43.4	0.6	10	18	414407.3	6786070.5
47	30450	ENORMAL	0	11.0	19.7	0.4	14	23	413998.9	6785850.5
47	30450	FNORMAL	0	7.0	16.1	0.2	12	25	413802.9	6785757.5
47	30450	GNORMAL	0	8.4	26.4	0.1	13	16	413679.7	6785673.0
47	30450	HNORMAL	0	18.7	44.5	0.4	11	15	413590.7	6785623.0
47	30450	JNORMAL	1	50.8	66.2	1.3	6	19	413514.8	6785583.5
47	30450	KNORMAL	0	-0.6	8.8	0.0	0	33	412874.4	6785241.0
47	30450	MNORMAL	0	6.1	16.0	0.2	6	30	412532.0	6785073.5
47	30450	NNORMAL	0	-9.8	8.8	0.0	0	18	412283.8	6784938.5
47	30450	ONORMAL	0	15.9	41.1	0.3	11	15	410389.5	6783903.5
47	30450	PNORMAL	0	30.8	107.4	0.3	5	12	410311.8	6783862.0
47	30450	QNORMAL	1	19.4	20.9	1.1	18	22	410233.2	6783820.5
47	30450	RNORMAL	0	5.6	12.8	0.2	13	27	409845.3	6783593.0
47	30460	ANORMAL	0	15.3	23.0	0.6	4	32	409948.4	6783451.5
47	30460	BNORMAL	0	16.2	31.2	0.5	3	28	410065.9	6783519.0
47	30460	CNORMAL	1	34.0	36.8	1.4	0	35	410173.3	6783578.0
47	30460	DNORMAL	1	27.2	22.7	1.8	0	42	410248.6	6783620.5
47	30460	ENORMAL	1	25.7	29.3	1.2	0	38	410318.8	6783664.0
47	30460	FNORMAL	0	12.4	16.0	0.7	5	38	410386.2	6783706.5
47	30460	GNORMAL	0	4.5	9.0	0.2	5	43	410596.9	6783818.5
47	30460	HNORMAL	0	4.2	7.2	0.3	0	62	410935.2	6784006.5
47	30460	JNORMAL	0	3.2	9.0	0.1	4	39	411020.3	6784060.5
47	30460	KNORMAL	0	2.2	14.0	0.0	5	23	411111.8	6784102.5
47	30460	MNORMAL	0	2.4	23.1	0.0	7	13	411234.9	6784142.0
47	30460	NNORMAL	0	2.0	12.0	0.0	1	30	411470.3	6784233.0
47	30460	ONORMAL	0	0.5	7.7	0.0	0	40	411804.9	6784425.5
47	30460	PNORMAL	0	13.4	30.6	0.3	11	18	412743.0	6784966.0
47	30460	QNORMAL	0	0.1	11.3	0.0	0	12	413225.0	6785212.5
47	30460	RNORMAL	0	7.5	14.0	0.3	9	33	413563.7	6785397.0
47	30460	SNORMAL	0	5.3	12.2	0.2	19	22	413629.3	6785430.0
47	30460	TNORMAL	0	5.7	10.4	0.3	12	34	414261.1	6785753.5
47	30460	UNORMAL	0	8.0	15.7	0.3	8	31	414367.4	6785808.0
47	30460	VNORMAL	0	7.7	19.0	0.2	13	22	414486.2	6785867.0
47	30460	WNORMAL	0	8.1	16.3	0.3	11	28	414553.8	6785903.5
47	30460	XNORMAL	0	9.9	15.4	0.5	1	41	414715.1	6785983.5
47	30460	YNORMAL	0	12.2	21.0	0.5	4	32	414919.0	6786079.5
47	30470	ANORMAL	0	5.9	8.4	0.4	25	28	415366.5	6786101.5
47	30470	BNORMAL	0	23.5	51.3	0.5	8	16	415017.2	6785907.5
47	30470	CNORMAL	0	24.0	58.1	0.4	7	16	414923.7	6785866.0
47	30470	DNORMAL	0	5.4	14.6	0.1	16	21	413748.5	6785253.0
47	30470	ENORMAL	0	8.7	27.7	0.1	13	15	413647.5	6785206.0
47	30470	FNORMAL	0	10.9	23.3	0.3	4	29	412825.5	6784786.0
47	30470	GNORMAL	0	-4.4	14.3	0.0	0	23	412580.6	6784652.5

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HATTRICK

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
47	30470	HNORMAL	0	-1.0	9.9	0.0	0	47	411938.4	6784286.5
47	30470	JNORMAL	0	-1.7	11.4	0.0	0	33	411718.4	6784173.5
47	30470	KNORMAL	0	-1.9	8.4	0.0	0	42	411538.8	6784108.0
47	30470	MMAGNETIC	0	-15.8	3.8	0.0	0	7	410726.0	6783620.5
47	30470	NNORMAL	0	16.9	22.4	0.8	9	29	410539.5	6783488.5
47	30470	ONORMAL	0	16.3	22.9	0.7	8	29	410482.4	6783457.5
47	30470	PNORMAL	0	4.7	8.6	0.3	0	55	410009.2	6783249.5
47	30470	QNORMAL	0	-0.6	6.2	0.0	0	42	409828.8	6783168.0
47	30470	RNORMAL	0	-0.5	9.2	0.0	0	34	409654.8	6783070.5
48	30480	ANORMAL	0	1.9	8.2	0.0	8	31	415441.9	6786041.0
48	30480	BNORMAL	0	1.9	12.2	0.0	8	22	413842.8	6785084.0
48	30480	CNORMAL	0	4.4	18.6	0.0	0	32	413706.5	6785003.0
48	30480	DNORMAL	0	6.1	25.0	0.1	9	18	412980.7	6784624.0
48	30480	ENORMAL	0	2.8	11.4	0.0	18	17	412924.7	6784593.5
48	30480	FNORMAL	0	-3.4	1.7	0.0	0	52	412251.6	6784252.0
48	30480	GNORMAL	0	-1.2	5.7	0.0	0	42	411967.7	6784083.5
48	30480	HNORMAL	0	12.3	27.6	0.3	0	33	410567.4	6783341.0
48	30480	JNORMAL	0	4.6	22.5	0.0	10	16	410449.7	6783278.0
48	30490	ANORMAL	0	2.6	5.2	0.2	23	35	412529.8	6784137.0
48	30490	BNORMAL	0	5.9	7.8	0.5	32	23	413058.9	6784470.0
48	30490	CNORMAL	0	2.2	17.1	0.0	11	13	414207.7	6785020.5
48	30490	DNORMAL	0	1.0	5.8	0.0	12	28	414361.1	6785098.5
48	30490	ENORMAL	0	5.2	13.6	0.1	14	24	414828.6	6785362.5
48	30490	FNORMAL	0	11.4	26.2	0.3	8	23	415388.5	6785670.0
48	30500	ANORMAL	0	15.2	29.9	0.4	11	20	415577.7	6785587.5
48	30500	BNORMAL	0	18.3	40.4	0.4	10	17	415512.4	6785555.0
48	30500	CNORMAL	0	9.2	26.8	0.2	2	27	414133.1	6784829.5
48	30500	DNORMAL	0	2.0	1.3	0.9	62	45	413236.8	6784345.5
48	30500	ENORMAL	0	5.2	7.2	0.4	23	33	412612.0	6783982.0
48	30500	FNORMAL	0	1.3	6.0	0.0	6	37	409458.3	6782297.5
48	30510	ANORMAL	0	0.9	9.1	0.0	4	25	413408.7	6784148.0
48	30510	BNORMAL	0	4.9	10.0	0.2	19	26	413557.9	6784258.0
48	30510	CNORMAL	0	4.5	12.2	0.1	18	21	414491.3	6784744.5
48	30510	DNORMAL	0	7.0	13.2	0.3	10	32	414941.5	6784990.5
48	30520	ANORMAL	0	-0.3	4.4	0.0	0	38	414026.3	6784312.5
48	30520	BNORMAL	0	1.6	11.2	0.0	15	15	413745.5	6784171.5
48	30520	CNORMAL	0	2.4	11.5	0.0	10	24	413292.2	6783888.5
48	30530	ANORMAL	0	5.4	11.8	0.2	18	24	414217.5	6784159.5
48	30530	BNORMAL	0	8.6	16.7	0.3	19	19	414449.4	6784275.0

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HATTRICK

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
48	30530	CNORMAL	0	4.0	7.6	0.2	27	25	414668.5	6784404.0
48	30530	DNORMAL	1	18.0	20.2	1.0	15	25	415195.9	6784701.5
48	30540	ANORMAL	0	9.1	24.3	0.2	8	23	414664.0	6784126.0
48	30550	ANORMAL	0	4.3	10.0	0.2	2	42	414695.6	6783977.0
48	30560	ANORMAL	0	7.7	17.7	0.2	5	30	414899.4	6783847.5
48	30560	BNORMAL	0	2.4	12.6	0.0	13	18	414747.8	6783787.0
48	30580	ANORMAL	0	6.1	12.4	0.3	8	34	414678.4	6783277.5
48	30580	BNORMAL	0	4.6	10.7	0.2	10	33	414535.2	6783217.0
48	30580	CNORMAL	0	4.8	9.1	0.2	23	25	413822.5	6782811.0
48	30590	ANORMAL	0	4.3	18.9	0.0	10	18	414671.7	6783097.0
48	30590	BNORMAL	0	4.9	13.5	0.1	21	17	414838.8	6783166.0
48	30600	ANORMAL	0	6.6	18.2	0.2	3	31	415672.9	6783366.0
48	30600	BNORMAL	0	3.6	14.4	0.0	0	35	414960.9	6782967.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
17	50010	ANORMAL	3	35.7	14.1	5.4	0	46	414269.8	6824091.0
17	50010	BNORMAL	2	39.1	24.8	3.0	0	39	414273.6	6824504.5
17	50010	CNORMAL	2	32.5	25.8	2.1	6	32	414273.7	6824701.0
17	50010	DNORMAL	3	40.0	14.5	6.2	0	43	414286.5	6825121.0
17	50010	ENORMAL	4	50.7	10.1	14.8	0	41	414289.0	6825229.5
17	50010	FNORMAL	3	25.3	9.4	5.2	0	50	414306.0	6826292.0
17	50010	GNORMAL	4	60.0	17.0	9.7	0	44	414303.9	6826567.0
17	50010	HNORMAL	4	69.7	19.8	10.1	0	41	414301.7	6826627.5
17	50010	JNORMAL	3	64.1	22.2	7.6	1	34	414299.4	6826722.0
17	50010	KNORMAL	2	40.9	23.8	3.4	7	31	414299.5	6826817.5
17	50010	MNORMAL	3	49.1	20.6	5.5	2	36	414299.7	6826970.5
17	50010	NNORMAL	1	17.0	18.8	1.0	6	35	414323.7	6828100.5
17	50010	ONORMAL	1	15.4	11.8	1.7	8	42	414335.7	6828519.0
17	50010	PNORMAL	1	22.9	20.8	1.5	5	36	414348.8	6829289.0
17	50010	QNORMAL	2	27.0	18.0	2.4	5	37	414350.7	6829416.5
17	50010	RNORMAL	2	57.4	40.3	2.9	6	26	414338.4	6829747.5
17	50010	SNORMAL	1	24.2	20.1	1.8	7	35	414320.7	6830147.5
17	50010	TNORMAL	0	11.7	14.1	0.8	13	32	414371.5	6832537.5
17	50010	UNORMAL	0	12.8	25.9	0.4	4	28	414419.7	6836667.0
17	50021	ANORMAL	0	8.7	12.6	0.5	7	39	414217.8	6836491.0
17	50021	BNORMAL	0	7.7	14.7	0.3	7	34	414182.3	6832336.0
17	50021	CNORMAL	0	5.6	19.4	0.1	0	31	414157.8	6831044.5
17	50021	DNORMAL	1	37.3	34.4	1.8	3	31	414124.8	6830049.5
17	50021	ENORMAL	2	43.4	36.7	2.1	1	32	414120.0	6829969.0
17	50021	FNORMAL	2	30.7	23.6	2.1	7	32	414120.8	6829725.0
17	50021	GNORMAL	0	14.5	26.0	0.5	5	29	414130.9	6828190.0
17	50021	HNORMAL	0	8.6	18.9	0.3	3	32	414134.7	6828012.5
17	50021	JNORMAL	3	84.1	41.2	5.3	3	28	414106.6	6827014.5
17	50021	KNORMAL	3	61.4	22.9	6.8	5	31	414102.0	6826897.5
17	50021	MNORMAL	4	54.7	17.3	8.2	3	35	414102.0	6826783.0
17	50021	NNORMAL	4	56.0	17.7	8.3	1	37	414106.0	6826646.0
17	50021	ONORMAL	4	75.7	19.1	12.1	0	37	414108.2	6826544.5
17	50021	PNORMAL	4	70.9	19.4	10.7	0	37	414106.5	6826503.5
17	50021	QNORMAL	4	78.8	27.3	8.1	0	35	414085.2	6826348.5
17	50021	RNORMAL	4	70.0	22.4	8.7	4	31	414075.3	6826240.0
17	50021	SNORMAL	5	162.4	39.1	16.0	0	26	414079.8	6825329.5
17	50021	TNORMAL	4	159.9	58.8	9.2	2	24	414083.4	6825260.5
17	50021	UNORMAL	2	31.4	17.1	3.4	4	38	414079.6	6824866.5
17	50021	VNORMAL	2	36.8	24.6	2.7	3	35	414068.9	6824665.0
17	50021	WNORMAL	1	36.5	35.0	1.7	1	32	414064.9	6824593.0
17	50021	XNORMAL	1	30.7	29.9	1.5	3	33	414062.3	6824492.0
17	50021	YNORMAL	2	28.8	22.8	2.0	1	39	414075.7	6824327.5
17	50021	ZNORMAL	4	103.0	24.8	14.1	0	33	414071.7	6824120.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
17	50021	AANORMAL	3	80.5	34.4	6.2	0	33	414063.6	6823997.0
17	50030	ANORMAL	2	34.9	25.5	2.4	8	30	413847.2	6823875.5
17	50030	BNORMAL	4	122.3	31.0	13.8	0	32	413850.3	6823999.0
17	50030	CNORMAL	4	162.6	43.9	13.8	0	27	413855.1	6824149.0
17	50030	DNORMAL	1	22.9	20.3	1.6	0	44	413866.3	6824430.0
17	50030	ENORMAL	2	29.9	22.5	2.2	0	40	413869.8	6824516.0
17	50030	FNORMAL	0	19.9	26.8	0.8	0	36	413872.5	6824593.5
17	50030	GNORMAL	1	24.6	20.7	1.7	5	36	413873.0	6824720.0
17	50030	HNORMAL	1	31.2	26.4	1.9	0	39	413863.8	6825013.0
17	50030	JNORMAL	1	23.6	25.7	1.2	3	34	413864.4	6825095.5
17	50030	KNORMAL	4	99.6	35.9	8.2	0	31	413869.4	6825505.0
17	50030	MNORMAL	3	47.8	15.9	7.4	5	34	413868.6	6826339.0
17	50030	NNORMAL	4	74.2	24.7	8.4	0	39	413856.8	6826544.5
17	50030	ONORMAL	4	79.7	26.3	8.7	0	36	413854.1	6826619.5
17	50030	PNORMAL	4	54.9	14.9	10.0	0	39	413855.3	6826793.5
17	50030	QNORMAL	4	52.0	14.7	9.4	0	41	413860.1	6826875.0
17	50030	RNORMAL	3	80.6	40.9	5.0	0	31	413883.9	6827141.0
17	50030	SNORMAL	2	37.2	19.3	3.8	11	30	413897.4	6827355.5
17	50030	TNORMAL	0	10.0	17.3	0.4	14	25	413900.0	6828683.0
17	50030	UNORMAL	1	26.1	23.9	1.6	4	35	413919.0	6829806.0
17	50030	VNORMAL	1	23.3	28.2	1.0	12	23	413926.3	6829953.0
17	50030	WNORMAL	0	10.6	23.8	0.3	2	30	413945.6	6832165.0
17	50030	XNORMAL	0	11.9	29.4	0.3	0	32	413969.0	6833624.0
17	50030	YNORMAL	0	10.9	26.9	0.3	1	29	413976.2	6833909.5
17	50030	ZNORMAL	0	13.2	32.8	0.3	2	26	414006.0	6836565.0
17	50040	ANORMAL	0	5.8	12.3	0.2	7	35	413795.8	6836672.5
17	50040	BNORMAL	0	15.9	34.1	0.4	4	25	413710.5	6831910.0
17	50040	CNORMAL	0	6.0	13.5	0.2	10	30	413684.5	6829932.5
17	50040	DNORMAL	4	65.9	19.6	9.4	6	30	413672.1	6827281.5
17	50040	ENORMAL	4	71.9	17.8	12.2	3	32	413662.0	6827151.5
17	50040	FNORMAL	5	69.9	10.4	23.8	0	42	413650.4	6826867.5
17	50040	GNORMAL	5	89.7	15.6	20.8	0	35	413657.1	6826741.0
17	50040	HNORMAL	4	80.8	18.6	13.9	0	34	413663.7	6826643.0
17	50040	JNORMAL	3	50.5	22.1	5.2	2	36	413669.0	6826474.0
17	50040	KNORMAL	2	35.4	20.9	3.1	10	30	413666.1	6826377.0
17	50040	MNORMAL	4	89.9	25.9	10.7	5	27	413677.8	6825687.0
17	50040	NNORMAL	3	98.6	42.7	6.5	4	26	413676.1	6825639.0
17	50040	ONORMAL	1	44.4	50.6	1.4	6	23	413672.3	6825525.5
17	50040	PNORMAL	1	21.6	20.5	1.4	10	30	413668.4	6825404.0
17	50040	QNORMAL	2	39.3	21.9	3.5	4	35	413662.8	6825115.5
17	50040	RNORMAL	2	27.1	20.8	2.0	7	34	413664.1	6824784.0
17	50040	SNORMAL	1	14.9	16.4	1.0	12	32	413657.0	6824312.0
17	50040	TNORMAL	2	34.9	23.3	2.7	8	31	413651.6	6824204.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
17	50040	UNORMAL	4	65.0	13.8	14.6	2	34	413648.1	6824080.5
17	50040	VNORMAL	4	57.1	14.9	10.7	0	44	413647.3	6823761.0
17	50040	WNORMAL	3	55.8	21.5	6.4	0	40	413650.0	6823705.0
17	50040	XNORMAL	0	8.8	17.3	0.3	8	30	413664.5	6823404.0
18	50120	ANORMAL	1	26.7	21.9	1.8	13	27	412196.9	6835234.0
18	50120	BNORMAL	3	39.5	19.7	4.1	2	38	412196.8	6834735.5
18	50120	CNORMAL	2	33.7	20.4	3.0	5	36	412196.5	6834636.5
18	50120	DNORMAL	1	33.9	32.2	1.6	5	30	412179.8	6833356.5
18	50120	ENORMAL	1	42.3	40.2	1.8	6	26	412174.6	6833245.0
18	50120	FNORMAL	2	34.4	20.2	3.1	7	33	412181.5	6832872.5
18	50120	GNORMAL	2	30.1	16.2	3.4	8	36	412184.4	6832618.0
18	50120	HNORMAL	1	20.3	22.0	1.1	11	29	412094.5	6827978.5
18	50120	JNORMAL	0	20.9	27.1	0.9	8	27	412092.3	6827873.5
18	50120	KNORMAL	2	55.7	38.2	3.0	6	27	412097.1	6827406.0
18	50120	MNORMAL	2	47.2	31.5	2.9	4	31	412098.3	6826964.0
18	50120	NNORMAL	2	52.2	39.2	2.6	3	30	412098.7	6826837.5
18	50120	ONORMAL	2	46.8	27.0	3.6	6	30	412099.9	6826668.5
18	50120	PNORMAL	3	45.6	22.6	4.3	8	30	412097.9	6826593.5
18	50120	QNORMAL	2	34.5	18.0	3.7	4	37	412079.3	6825831.0
18	50120	RNORMAL	3	49.2	18.4	6.4	4	35	412081.2	6825716.5
18	50120	SNORMAL	4	70.0	18.7	11.0	1	34	412079.5	6825576.5
18	50120	TNORMAL	4	68.2	21.7	8.7	2	34	412076.8	6825439.5
18	50120	UNORMAL	3	66.2	30.0	5.4	0	34	412073.0	6825242.5
18	50120	VNORMAL	3	73.8	36.5	5.0	0	33	412070.3	6825130.5
18	50120	WNORMAL	2	40.1	28.3	2.6	6	30	412068.8	6825017.0
18	50120	XNORMAL	4	96.3	26.8	11.4	3	29	412062.3	6824660.0
18	50120	YNORMAL	5	108.4	22.4	17.4	0	32	412054.8	6824370.0
18	50120	ZNORMAL	0	10.6	18.5	0.4	3	35	412031.4	6823937.0
18	50120	AANORMAL	2	48.0	40.2	2.2	0	33	412046.8	6823545.0
18	50120	ABNORMAL	2	34.3	21.4	2.9	18	22	412036.8	6823021.5
18	50120	ACNORMAL	0	15.0	18.2	0.9	8	33	412011.8	6821193.0
18	50120	ADNORMAL	0	12.3	22.1	0.4	8	28	412009.7	6820563.0
18	50120	AENORMAL	0	12.8	24.0	0.4	8	26	412009.0	6820442.5
18	50120	AFNORMAL	1	49.5	64.3	1.2	0	25	412006.7	6820287.5
18	50120	AGNORMAL	1	40.1	36.3	1.9	7	26	412006.7	6820124.5
18	50120	AHNORMAL	0	8.0	20.6	0.2	9	24	412008.5	6819880.0
18	50130	ANORMAL	0	12.3	25.2	0.4	4	29	411841.6	6820607.0
18	50130	BNORMAL	3	36.7	13.6	5.9	4	39	411872.8	6823487.0
18	50130	CNORMAL	3	51.6	19.9	6.2	1	37	411874.0	6823591.5
18	50130	DNORMAL	5	138.8	24.6	22.8	1	27	411875.0	6824521.0
18	50130	ENORMAL	4	121.2	37.2	10.7	3	26	411878.8	6824656.0
18	50130	FNORMAL	2	36.6	30.6	2.0	10	25	411880.6	6824820.0
18	50130	GNORMAL	4	69.5	21.4	9.1	1	34	411888.4	6825072.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
18	50130	HNORMAL	4	66.9	20.3	9.2	2	33	411886.6	6825191.5
18	50130	JNORMAL	3	25.8	11.8	4.0	13	35	411891.6	6825758.5
18	50130	KNORMAL	0	12.4	18.0	0.6	8	32	411902.5	6826054.0
18	50130	MNORMAL	3	70.3	32.6	5.4	9	24	411908.6	6826619.0
18	50130	NNORMAL	2	34.2	25.2	2.3	7	31	411908.6	6826842.5
18	50130	ONORMAL	2	39.2	30.0	2.3	5	31	411910.7	6827054.0
18	50130	PNORMAL	1	26.3	22.3	1.8	10	29	411912.3	6827180.0
18	50130	QNORMAL	0	7.4	16.3	0.2	10	28	411911.6	6827482.5
18	50130	RNORMAL	1	27.9	30.3	1.3	3	32	411914.5	6827960.5
18	50130	SNORMAL	0	8.0	13.5	0.4	8	35	411915.3	6828548.5
18	50130	TNORMAL	2	28.2	19.0	2.4	8	34	411968.8	6831705.5
18	50130	UNORMAL	1	28.6	28.7	1.4	8	28	411960.8	6832131.5
18	50130	VNORMAL	2	45.1	38.3	2.1	8	25	411963.1	6832444.0
18	50130	WNORMAL	1	44.0	45.7	1.6	7	24	411966.2	6832647.5
18	50130	XNORMAL	1	36.7	32.4	1.9	7	28	411970.4	6832963.0
18	50130	YNORMAL	0	26.9	40.9	0.8	5	24	411970.6	6833183.5
18	50130	ZNORMAL	0	29.1	45.4	0.8	6	22	411971.9	6833290.5
18	50130	AANORMAL	0	17.6	36.5	0.4	6	22	411973.7	6833360.5
18	50130	ABNORMAL	0	15.0	24.1	0.6	4	32	411985.5	6834220.5
18	50130	ACNORMAL	0	19.6	30.1	0.7	7	26	411986.6	6834348.5
18	50140	ANORMAL	0	7.0	14.1	0.3	11	29	411847.6	6838158.5
18	50140	BNORMAL	1	24.1	20.9	1.6	12	29	411838.5	6837858.5
18	50140	CNORMAL	2	32.0	26.2	2.0	6	32	411834.6	6837629.0
18	50140	DNORMAL	0	18.1	28.2	0.7	8	26	411809.3	6835335.5
18	50140	ENORMAL	1	37.3	33.0	1.9	6	29	411779.1	6832866.0
18	50140	FNORMAL	1	44.2	40.3	1.9	5	27	411781.1	6832767.0
18	50140	GNORMAL	1	36.6	38.5	1.5	8	24	411780.8	6832608.5
18	50140	HNORMAL	1	35.6	35.3	1.6	9	24	411779.3	6832506.5
18	50140	JNORMAL	1	32.5	27.6	1.9	10	26	411776.9	6832398.5
18	50140	KNORMAL	0	19.5	26.3	0.8	14	21	411691.0	6827532.0
18	50140	MNORMAL	0	12.0	19.0	0.5	17	21	411688.7	6827231.5
18	50140	NNORMAL	2	114.7	82.1	3.6	4	21	411688.3	6826871.0
18	50140	ONORMAL	3	133.5	89.5	4.1	4	20	411687.9	6826772.0
18	50140	PNORMAL	2	94.4	65.0	3.5	5	22	411686.7	6826630.0
18	50140	QNORMAL	2	95.2	70.1	3.2	6	20	411690.9	6826369.5
18	50140	RNORMAL	2	96.4	64.5	3.7	10	17	411695.4	6826245.0
18	50140	SNORMAL	3	103.6	63.5	4.2	10	17	411696.4	6826185.5
18	50140	TNORMAL	3	89.0	51.6	4.3	11	18	411696.3	6826140.5
18	50140	UNORMAL	2	47.7	35.4	2.6	14	20	411694.8	6825824.0
18	50140	VNORMAL	2	52.1	30.4	3.6	15	20	411694.0	6825749.5
18	50140	WNORMAL	4	77.9	20.6	11.5	8	26	411692.9	6825058.5
18	50140	XNORMAL	3	79.0	28.5	7.7	7	25	411690.7	6824945.5
18	50140	YNORMAL	2	59.0	33.7	3.9	10	24	411686.9	6824855.5
18	50140	ZNORMAL	4	77.8	22.4	10.3	10	24	411681.7	6824562.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
18	50140	AANORMAL	2	71.8	49.4	3.2	0	30	411662.4	6823796.5
18	50140	ABNORMAL	1	26.5	21.3	1.9	17	23	411678.5	6823434.5
18	50140	ACNORMAL	0	7.4	14.0	0.3	13	29	411668.1	6822309.5
18	50140	ADNORMAL	0	7.3	20.4	0.2	9	23	411614.2	6820304.5
18	50140	AENORMAL	0	10.1	30.9	0.2	8	20	411616.8	6819669.5
18	50150	ANORMAL	0	5.2	15.2	0.1	14	22	411399.2	6819522.5
18	50150	BNORMAL	1	15.2	12.5	1.5	17	32	411442.9	6822266.5
18	50150	CNORMAL	2	22.9	13.3	2.8	12	35	411437.9	6822422.0
18	50150	DNORMAL	1	13.5	8.9	1.9	15	40	411431.7	6822588.5
18	50150	ENORMAL	2	34.5	20.8	3.0	14	27	411472.6	6824345.0
18	50150	FNORMAL	3	56.4	31.3	4.0	13	21	411479.4	6824484.5
18	50150	GNORMAL	2	36.1	29.7	2.0	11	25	411487.0	6824599.0
18	50150	HNORMAL	2	48.6	33.4	2.9	10	25	411488.0	6824862.0
18	50150	JNORMAL	2	48.7	31.3	3.1	11	24	411488.2	6824933.5
18	50150	KNORMAL	3	52.8	18.0	7.4	13	25	411503.9	6825498.5
18	50150	MNORMAL	2	32.6	23.6	2.3	12	27	411509.4	6826011.0
18	50150	NNORMAL	2	37.1	30.5	2.1	12	23	411517.7	6826271.0
18	50150	ONORMAL	2	37.7	28.3	2.3	9	27	411519.0	6826326.0
18	50150	PNORMAL	2	53.9	35.4	3.1	2	31	411522.1	6826461.5
18	50150	QNORMAL	2	60.9	38.7	3.4	4	29	411526.6	6826592.0
18	50150	RNORMAL	2	29.0	19.2	2.5	15	26	411534.6	6826777.5
18	50150	SNORMAL	0	27.7	49.8	0.6	1	25	411540.5	6827311.5
18	50150	TNORMAL	0	39.1	59.7	0.9	1	24	411539.8	6827407.0
18	50150	UNORMAL	1	37.6	43.2	1.3	7	24	411541.1	6827795.0
18	50150	VNORMAL	0	10.2	18.9	0.4	9	29	411555.9	6828961.5
18	50150	WNORMAL	0	3.7	20.0	0.0	6	20	411565.7	6829445.0
18	50150	XNORMAL	0	11.7	21.9	0.4	4	31	411579.1	6831846.0
18	50150	YNORMAL	1	44.7	56.6	1.2	7	20	411581.0	6832522.0
18	50150	ZNORMAL	1	46.8	50.1	1.6	9	20	411582.2	6832631.0
18	50150	AANORMAL	1	44.9	44.1	1.7	6	25	411584.2	6832803.0
18	50150	ABNORMAL	1	36.4	46.1	1.2	5	24	411585.6	6832956.0
18	50150	ACNORMAL	0	15.2	35.8	0.3	6	22	411585.1	6833087.0
18	50150	ADNORMAL	0	6.9	18.5	0.2	11	23	411584.5	6833426.0
18	50150	AENORMAL	0	12.9	19.2	0.6	11	28	411587.2	6834173.0
18	50150	AFNORMAL	0	11.0	21.6	0.4	8	27	411605.3	6836011.0
18	50150	AGNORMAL	0	7.0	22.5	0.1	7	23	411607.2	6836165.0
18	50150	AHNORMAL	1	20.6	21.1	1.2	8	32	411606.3	6836437.0
18	50150	AJNORMAL	3	58.5	32.8	4.0	10	24	411599.6	6837020.0
18	50150	AKNORMAL	3	49.0	25.9	4.0	12	25	411607.8	6837215.5
18	50150	AMNORMAL	3	66.1	35.7	4.3	11	22	411612.8	6837422.5
18	50150	ANNORMAL	2	51.6	32.0	3.3	11	23	411609.0	6837643.0
18	50160	ANORMAL	0	5.6	17.6	0.1	2	31	411416.2	6838613.0
18	50160	BNORMAL	0	23.4	32.7	0.8	9	24	411411.2	6837647.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
18	50160	CNORMAL	1	40.9	38.7	1.8	13	20	411407.2	6837422.5
18	50160	DNORMAL	2	56.1	31.2	3.9	9	26	411406.2	6837205.0
18	50160	ENORMAL	3	90.7	43.3	5.6	8	22	411399.4	6837020.5
18	50160	FNORMAL	1	30.4	27.9	1.7	10	26	411393.7	6836887.5
18	50160	GNORMAL	0	20.3	34.3	0.6	9	22	411383.1	6836589.0
18	50160	HNORMAL	0	4.7	15.2	0.1	17	17	411379.4	6836223.5
18	50160	JNORMAL	0	2.5	17.0	0.0	6	20	411370.5	6835755.0
18	50161	ANORMAL	0	22.6	36.1	0.7	6	25	411401.5	6834531.5
18	50161	BNORMAL	0	11.1	23.9	0.3	9	24	411400.8	6834384.5
18	50161	CNORMAL	0	18.4	32.9	0.5	7	24	411385.9	6833001.5
18	50161	DNORMAL	0	19.3	32.3	0.6	9	22	411382.8	6832878.0
18	50161	ENORMAL	0	19.5	32.6	0.6	4	27	411385.6	6832649.0
18	50161	FNORMAL	0	6.8	19.0	0.2	8	25	411367.5	6832229.0
18	50161	GNORMAL	2	55.7	33.4	3.6	7	27	411306.9	6826577.0
18	50161	HNORMAL	3	99.3	52.5	5.0	3	26	411304.2	6826459.0
18	50161	JNORMAL	2	67.8	44.9	3.3	4	27	411299.4	6826320.0
18	50161	KNORMAL	2	55.3	41.4	2.7	3	29	411296.8	6826217.0
18	50161	MNORMAL	3	86.2	33.5	7.2	5	27	411284.5	6824556.0
18	50161	NNORMAL	4	48.7	14.1	8.9	5	35	411255.7	6822482.0
18	50161	ONORMAL	4	73.0	18.8	11.7	3	31	411252.6	6822383.0
18	50161	PNORMAL	4	89.9	29.9	8.9	2	29	411248.7	6822197.5
18	50161	QNORMAL	3	58.3	20.1	7.5	7	30	411249.3	6822092.5
18	50161	RNORMAL	3	35.4	12.5	6.2	11	33	411248.7	6822014.5
18	50161	SNORMAL	0	5.2	25.5	0.0	3	22	411200.4	6819411.0
18	50171	ANORMAL	0	4.7	9.9	0.2	6	40	411023.4	6819273.5
18	50171	BNORMAL	0	6.3	15.6	0.2	10	27	411045.8	6819774.5
18	50171	CNORMAL	5	69.8	13.1	17.5	2	34	411054.0	6822137.0
18	50171	DNORMAL	4	52.4	13.3	10.8	3	37	411056.2	6822372.0
18	50171	ENORMAL	0	20.8	32.6	0.7	6	26	411092.0	6825761.0
18	50171	FNORMAL	3	80.4	37.3	5.6	5	27	411105.3	6826403.0
18	50171	GNORMAL	3	53.5	23.0	5.4	3	33	411109.6	6826519.0
18	50171	HNORMAL	0	7.7	16.3	0.3	11	27	411178.3	6833031.5
18	50171	JNORMAL	0	18.0	34.8	0.5	7	22	411203.0	6833266.0
18	50171	KNORMAL	1	24.7	32.0	1.0	6	27	411158.5	6834120.5
18	50171	MNORMAL	1	26.4	32.7	1.1	6	27	411161.0	6834195.5
18	50171	NNORMAL	0	13.0	28.3	0.3	3	28	411191.6	6835425.0
18	50171	ONORMAL	1	18.3	16.9	1.4	9	35	411223.3	6836926.5
18	50171	PNORMAL	2	40.5	28.8	2.6	6	30	411223.8	6837097.0
18	50171	QNORMAL	2	51.0	31.6	3.3	9	25	411224.9	6837195.5
18	50171	RNORMAL	2	41.9	30.3	2.5	13	23	411228.1	6837348.0
18	50171	SNORMAL	0	8.6	21.7	0.2	10	23	411235.6	6837650.5
18	50171	TNORMAL	0	9.6	25.8	0.2	5	25	411231.9	6838525.0
19	50180	ANORMAL	3	25.9	10.6	4.6	4	44	411024.6	6837283.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
19	50180	BNORMAL	0	15.3	18.0	0.9	10	32	410986.8	6835405.0
19	50180	CNORMAL	0	16.1	21.4	0.8	11	28	410976.5	6834583.5
19	50180	DNORMAL	1	17.7	18.2	1.2	11	31	410973.3	6834247.5
19	50180	ENORMAL	1	19.8	20.8	1.2	9	31	410972.0	6834138.0
19	50180	FNORMAL	1	25.1	20.7	1.8	8	33	410949.3	6833354.5
19	50180	GNORMAL	1	24.8	22.2	1.6	9	31	410947.5	6833149.0
19	50180	HNORMAL	3	61.9	31.8	4.5	2	32	410872.2	6826345.0
19	50180	JNORMAL	3	64.3	34.4	4.3	3	30	410870.1	6826257.0
19	50180	KNORMAL	2	77.0	61.7	2.7	2	26	410865.8	6826116.5
19	50180	MNORMAL	0	21.0	46.0	0.4	4	22	410860.6	6825954.5
19	50180	NNORMAL	2	41.9	33.7	2.2	7	28	410862.7	6825691.0
19	50180	ONORMAL	0	24.0	34.2	0.8	3	29	410862.2	6825566.5
19	50180	PNORMAL	0	21.4	33.8	0.7	2	29	410860.8	6825088.0
19	50180	QNORMAL	5	103.9	22.7	16.0	1	30	410849.5	6822614.5
19	50180	RNORMAL	5	115.7	26.9	15.2	3	27	410847.3	6822546.0
19	50180	SNORMAL	3	87.1	32.9	7.5	5	27	410845.8	6822474.5
19	50180	TNORMAL	4	123.0	31.1	13.9	1	28	410854.6	6822157.0
19	50180	UNORMAL	4	78.7	24.3	9.4	5	28	410851.9	6821878.5
19	50180	VNORMAL	0	2.2	10.9	0.0	20	14	410836.5	6818968.5
19	50190	ANORMAL	0	9.3	33.6	0.1	9	16	410602.6	6818586.5
19	50190	BNORMAL	0	3.7	19.8	0.0	2	24	410600.9	6818686.5
19	50190	CNORMAL	0	2.5	12.6	0.0	0	32	410590.7	6818995.5
19	50190	DNORMAL	0	2.8	15.0	0.0	5	24	410598.2	6819148.5
19	50190	ENORMAL	0	3.3	11.2	0.1	2	36	410599.3	6819423.0
19	50190	FNORMAL	1	12.1	7.8	1.9	22	35	410627.5	6821521.0
19	50190	GNORMAL	2	33.5	17.2	3.7	9	33	410637.8	6821863.0
19	50190	HNORMAL	4	97.0	32.1	9.1	0	31	410632.0	6822049.0
19	50190	JNORMAL	4	196.2	55.5	13.7	0	25	410628.5	6822163.5
19	50190	KNORMAL	4	93.6	31.1	9.0	6	25	410626.7	6822350.5
19	50190	MNORMAL	2	48.5	27.0	3.8	6	31	410625.7	6822473.5
19	50190	NNORMAL	2	52.8	32.3	3.4	4	31	410625.2	6822564.0
19	50190	ONORMAL	2	53.8	45.1	2.3	6	25	410663.2	6825731.5
19	50190	PNORMAL	3	56.1	28.5	4.4	12	23	410667.2	6825872.5
19	50190	QNORMAL	3	55.4	30.3	4.0	8	27	410675.7	6826067.5
19	50190	RNORMAL	3	64.1	31.8	4.8	3	31	410675.3	6826327.0
19	50190	SNORMAL	1	29.4	26.4	1.7	8	30	410670.4	6826475.5
19	50190	TNORMAL	1	23.2	28.4	1.0	6	29	410671.5	6826570.0
19	50190	UNORMAL	0	19.8	29.0	0.7	5	28	410673.1	6826658.0
19	50190	VNORMAL	0	2.4	15.6	0.0	0	30	410718.9	6828515.5
19	50190	WNORMAL	0	2.2	14.7	0.0	0	31	410744.3	6829399.0
19	50190	XNORMAL	1	33.0	31.7	1.6	8	27	410806.9	6833245.0
19	50190	YNORMAL	1	19.4	16.7	1.5	14	30	410806.5	6833442.0
19	50190	ZNORMAL	0	22.4	31.1	0.8	6	27	410808.4	6834172.0
19	50190	AANORMAL	1	24.6	29.5	1.1	8	27	410810.6	6834247.0

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
19	50190	ABNORMAL	0	9.6	21.8	0.3	10	23	410808.8	6834649.0
19	50190	ACNORMAL	0	12.6	24.7	0.4	3	30	410828.1	6835103.5
19	50190	ADNORMAL	0	17.4	29.3	0.6	6	27	410819.9	6835565.0
19	50190	AENORMAL	0	6.5	18.9	0.1	3	29	410819.6	6835670.0
19	50190	AFNORMAL	0	9.3	16.6	0.4	11	29	410839.5	6836304.0
19	50190	AGNORMAL	1	21.8	18.7	1.6	6	36	410839.0	6836903.0
19	50190	AHNORMAL	1	33.1	38.9	1.2	6	26	410842.3	6837049.5
19	50190	AJNORMAL	2	25.3	16.6	2.4	15	29	410839.1	6837291.5
21	50200	ANORMAL	1	28.6	27.2	1.5	8	29	410451.3	6818601.5
21	50200	BNORMAL	0	7.2	15.9	0.2	10	28	410436.5	6819272.5
21	50200	CNORMAL	2	19.3	10.5	2.9	10	41	410429.2	6821485.0
21	50200	DNORMAL	2	20.9	11.3	3.0	8	41	410422.8	6821593.0
21	50200	ENORMAL	4	41.0	12.0	8.3	4	38	410414.4	6821872.0
21	50200	FNORMAL	3	37.5	12.7	6.7	3	40	410414.4	6822019.5
21	50200	GNORMAL	0	9.2	16.4	0.4	6	33	410463.0	6823284.5
21	50200	HNORMAL	1	30.6	30.2	1.5	4	31	410485.2	6825340.5
21	50200	JNORMAL	3	43.7	16.3	6.2	3	37	410483.4	6825718.0
21	50200	KNORMAL	3	35.5	15.0	4.9	2	41	410482.4	6825894.0
21	50200	MNORMAL	3	58.1	21.6	6.8	0	37	410485.4	6826149.5
21	50200	NNORMAL	3	52.4	20.5	6.1	1	37	410484.3	6826328.0
21	50200	ONORMAL	1	16.9	13.6	1.6	8	39	410489.4	6826544.0
21	50200	PNORMAL	0	14.3	24.9	0.5	13	21	410618.2	6834222.5
21	50200	QNORMAL	0	18.0	32.2	0.5	9	22	410621.4	6834329.0
21	50200	RNORMAL	0	6.1	14.2	0.2	13	26	410622.6	6834756.5
21	50200	SNORMAL	0	19.0	31.7	0.6	3	29	410617.9	6835282.5
21	50200	TNORMAL	1	18.4	18.6	1.2	5	36	410633.6	6836654.0
21	50200	UNORMAL	1	43.0	39.7	1.9	9	23	410636.5	6837055.5
21	50200	VNORMAL	2	46.8	35.2	2.5	12	22	410636.9	6837132.5
21	50200	WNORMAL	2	33.3	21.8	2.7	15	25	410632.6	6837281.0
21	50200	XNORMAL	0	19.1	27.5	0.7	2	32	410637.5	6838835.5
21	50200	YNORMAL	0	14.2	25.5	0.5	3	31	410646.6	6839027.0
21	50210	ANORMAL	1	29.8	38.1	1.1	4	28	410441.1	6839093.0
21	50210	BNORMAL	1	31.6	37.6	1.2	8	24	410441.9	6838979.5
21	50210	CNORMAL	2	28.4	18.4	2.6	17	26	410429.1	6837153.5
21	50210	DNORMAL	2	31.7	18.4	3.1	14	27	410432.3	6837001.5
21	50210	ENORMAL	2	50.8	41.2	2.3	8	24	410417.8	6836636.0
21	50210	FNORMAL	1	44.5	40.5	1.9	11	21	410413.9	6836569.5
21	50210	GNORMAL	1	29.9	32.6	1.3	0	35	410420.6	6836402.5
21	50210	HNORMAL	0	19.5	37.5	0.5	10	19	410428.3	6835962.5
21	50210	JNORMAL	0	9.7	14.9	0.5	12	30	410397.2	6834370.5
21	50210	KNORMAL	0	12.8	14.8	0.9	14	30	410399.3	6834195.5
21	50210	MNORMAL	0	14.3	16.8	0.9	14	28	410315.0	6826603.0
21	50210	NNORMAL	1	32.3	30.9	1.6	10	25	410310.6	6826463.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
21	50210	ONORMAL	2	37.6	32.0	2.0	8	27	410309.3	6826367.5
21	50210	PNORMAL	3	46.6	21.9	4.6	9	29	410304.6	6826186.5
21	50210	QNORMAL	3	95.7	41.6	6.4	0	31	410292.2	6825934.5
21	50210	RNORMAL	3	113.4	73.6	4.0	2	24	410287.5	6825839.0
21	50210	SNORMAL	3	93.8	45.4	5.5	7	23	410283.4	6825686.0
21	50210	TNORMAL	3	63.2	24.2	6.7	3	32	410297.1	6825479.5
21	50210	UNORMAL	2	50.3	42.1	2.2	4	28	410290.6	6825345.0
21	50210	VNORMAL	0	12.5	31.7	0.3	4	24	410285.0	6825228.0
21	50210	WNORMAL	0	19.0	27.2	0.8	11	23	410256.5	6823652.0
21	50210	XNORMAL	1	23.2	18.9	1.8	11	31	410258.9	6823407.5
21	50210	YNORMAL	1	29.5	25.1	1.8	13	25	410249.8	6823051.5
21	50210	ZNORMAL	2	30.4	20.8	2.5	13	27	410235.5	6821799.5
21	50210	AANORMAL	1	29.4	26.8	1.7	12	25	410240.3	6821475.5
21	50210	ABNORMAL	0	12.5	25.0	0.4	10	23	410163.6	6818680.5
21	50220	ANORMAL	2	56.1	34.5	3.5	5	29	410077.6	6825452.5
21	50220	BNORMAL	3	91.5	39.1	6.5	5	26	410080.8	6825588.5
21	50220	CNORMAL	3	79.1	32.6	6.5	4	28	410080.8	6825692.0
21	50220	DNORMAL	3	57.6	31.0	4.2	3	32	410074.5	6825931.5
21	50220	ENORMAL	0	9.4	15.3	0.5	17	24	410076.2	6826311.5
21	50220	FNORMAL	0	5.0	13.4	0.1	8	30	410110.5	6826965.0
21	50220	GNORMAL	0	4.1	21.3	0.0	2	24	410124.6	6827276.5
21	50220	HNORMAL	0	5.5	17.7	0.1	7	26	410128.9	6827509.0
21	50220	JNORMAL	0	9.4	13.3	0.6	12	32	410257.1	6834228.0
21	50220	KNORMAL	0	8.7	17.3	0.3	10	28	410254.3	6834433.0
21	50220	MNORMAL	0	9.7	28.3	0.2	0	35	410253.4	6834896.0
21	50220	NNORMAL	0	9.0	17.3	0.3	6	32	410268.3	6836303.0
21	50220	ONORMAL	2	27.5	20.6	2.1	18	23	410263.0	6836967.0
21	50220	PNORMAL	0	5.7	20.8	0.1	0	30	410272.0	6837413.5
21	50220	QNORMAL	0	10.3	27.8	0.2	0	32	410279.6	6838655.0
21	50220	RNORMAL	0	19.1	40.1	0.4	5	22	410266.6	6839099.0
21	50220	SNORMAL	0	6.0	21.9	0.1	0	32	410260.4	6839560.5
21	50220	TNORMAL	0	6.1	20.4	0.1	3	28	410272.9	6839945.5
21	50230	ANORMAL	2	41.4	30.3	2.5	12	24	410093.9	6840158.5
21	50230	BNORMAL	0	14.4	31.1	0.4	6	24	410047.3	6838045.0
21	50230	CNORMAL	2	25.2	17.9	2.2	15	28	410025.7	6836719.0
21	50230	DNORMAL	1	28.1	24.7	1.7	8	30	410005.2	6836306.5
21	50230	ENORMAL	0	17.4	20.6	0.9	9	31	410016.8	6836171.5
21	50230	FNORMAL	0	17.0	25.8	0.7	6	29	409998.9	6834456.5
21	50230	GNORMAL	0	18.2	24.1	0.8	15	21	409991.2	6834270.0
21	50231	ANORMAL	0	9.2	9.2	0.9	21	33	409997.0	6833952.0
21	50231	BNORMAL	0	6.5	13.6	0.3	10	31	409995.8	6833817.0
21	50231	CNORMAL	0	7.6	16.4	0.3	6	32	409995.9	6833706.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
21	50231	DNORMAL	0	5.1	17.2	0.1	12	21	409922.7	6827279.0
21	50231	ENORMAL	1	19.5	15.3	1.7	14	32	409917.2	6826098.0
21	50231	FNORMAL	2	62.3	43.5	3.0	4	27	409907.4	6825931.5
21	50231	GNORMAL	2	86.0	58.3	3.5	1	27	409905.3	6825842.5
21	50231	HNORMAL	2	86.8	61.5	3.3	2	26	409910.3	6825761.5
21	50231	JNORMAL	2	76.3	48.7	3.6	12	18	409896.2	6825521.5
21	50231	KNORMAL	2	64.6	45.9	3.0	13	18	409890.2	6825357.0
21	50231	MNORMAL	2	48.1	42.4	2.1	15	17	409895.0	6825270.5
21	50231	NNORMAL	0	26.7	43.3	0.7	8	20	409907.9	6824779.0
21	50231	ONORMAL	1	24.2	28.9	1.1	10	25	409865.6	6823924.0
27	50255	ANORMAL	3	34.3	11.5	6.6	0	48	409483.6	6826030.5
27	50255	BNORMAL	3	33.3	14.0	4.8	0	46	409485.3	6826122.0
27	50255	CNORMAL	2	22.0	14.4	2.3	12	34	409611.3	6834516.0
27	50255	DNORMAL	2	24.9	13.3	3.2	5	41	409600.7	6834872.5
27	50255	ENORMAL	2	38.9	28.9	2.4	0	41	409603.4	6835234.5
27	50255	FNORMAL	2	39.8	28.2	2.6	3	34	409602.1	6835452.0
27	50255	GNORMAL	2	27.8	20.3	2.2	7	35	409600.1	6835615.0
27	50255	HNORMAL	2	32.2	17.2	3.5	4	38	409602.2	6836316.5
27	50255	JNORMAL	0	6.1	15.9	0.2	3	33	409609.9	6837692.5
27	50255	KNORMAL	0	17.5	22.4	0.9	2	36	409606.9	6837867.5
27	50255	MNORMAL	0	13.7	17.0	0.8	4	38	409604.8	6837961.0
27	50255	NNORMAL	1	25.3	28.2	1.2	2	34	409606.1	6838545.0
27	50255	ONORMAL	1	27.3	32.1	1.1	0	33	409603.2	6838654.5
27	50255	PNORMAL	0	15.7	24.9	0.6	0	37	409596.5	6839181.0
27	50255	QNORMAL	3	50.3	22.9	5.0	4	33	409605.3	6840104.5
27	50260	ANORMAL	1	19.4	20.4	1.2	0	44	409409.6	6839234.5
27	50260	BNORMAL	1	9.5	8.8	1.1	0	56	409415.5	6837811.5
27	50260	CNORMAL	2	40.8	26.3	2.9	0	37	409422.9	6835250.0
27	50260	DNORMAL	3	19.5	6.7	5.4	5	49	409307.1	6826551.5
27	50260	ENORMAL	3	52.3	17.4	7.6	0	41	409304.3	6826088.5
27	50260	FNORMAL	0	14.5	18.3	0.8	0	46	409301.9	6824873.5
27	50270	ANORMAL	0	15.0	25.4	0.5	11	23	409064.5	6822907.5
27	50270	BNORMAL	0	19.1	26.2	0.8	13	23	409062.4	6823104.0
27	50270	CNORMAL	1	18.5	19.9	1.1	5	36	409094.3	6825451.0
27	50270	DNORMAL	3	51.9	19.6	6.4	0	40	409100.9	6826023.5
27	50270	ENORMAL	3	64.9	24.6	6.8	0	40	409100.7	6826139.0
27	50270	FNORMAL	3	70.5	26.4	7.1	0	36	409102.1	6826278.0
27	50270	GNORMAL	3	52.2	21.3	5.8	2	35	409107.8	6826584.0
27	50270	HNORMAL	1	19.1	19.5	1.2	2	39	409164.6	6833108.0
27	50270	JNORMAL	1	18.9	13.6	1.9	7	40	409166.8	6833368.0
27	50270	KNORMAL	1	24.1	19.1	1.9	10	32	409197.6	6834313.0
27	50270	MNORMAL	2	25.9	17.9	2.3	6	37	409209.7	6834549.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
27	50270	NNORMAL	2	24.6	15.8	2.5	4	41	409208.0	6835137.0
27	50270	ONORMAL	2	24.7	17.3	2.2	0	43	409207.6	6835195.5
27	50270	PNORMAL	0	11.1	14.3	0.7	4	40	409199.7	6835773.5
27	50270	QNORMAL	0	12.2	22.2	0.4	3	32	409229.1	6837627.5
27	50270	RNORMAL	0	21.3	27.5	0.9	0	36	409245.8	6839214.5
27	50270	SNORMAL	0	14.2	25.0	0.5	0	35	409263.1	6839839.0
27	50280	ANORMAL	0	20.5	28.6	0.8	0	35	409056.9	6839158.5
27	50280	BNORMAL	1	18.6	22.1	1.0	1	38	409009.4	6837580.0
27	50280	CNORMAL	1	19.7	18.6	1.4	11	31	408956.3	6833310.0
27	50280	DNORMAL	0	8.5	15.9	0.3	5	35	408876.2	6827169.0
27	50280	ENORMAL	3	65.0	31.7	4.9	0	40	408876.2	6826596.5
27	50280	FNORMAL	3	101.1	47.4	5.9	0	34	408873.8	6826432.5
27	50280	GNORMAL	3	84.8	36.3	6.3	0	35	408872.3	6826115.5
27	50280	HNORMAL	3	75.1	29.3	6.8	0	36	408872.7	6826032.0
27	50280	JNORMAL	3	54.9	27.5	4.5	0	41	408872.6	6825856.0
27	50280	KNORMAL	1	18.1	15.6	1.5	3	42	408870.4	6825588.5
27	50280	MNORMAL	0	14.5	32.9	0.3	0	30	408863.8	6824564.0
27	50280	NNORMAL	0	23.0	88.4	0.2	6	12	408800.5	6820319.5
27	50290	ANORMAL	3	26.7	8.5	6.6	9	39	408704.2	6822426.0
27	50290	BNORMAL	3	36.9	11.1	7.8	4	40	408703.4	6822550.0
27	50290	CNORMAL	4	40.3	8.4	13.0	1	43	408702.5	6822616.0
27	50290	DNORMAL	4	27.1	6.0	10.7	2	48	408700.6	6822789.5
27	50290	ENORMAL	2	26.9	12.7	3.9	0	48	408699.5	6822894.5
27	50290	FNORMAL	3	52.6	27.9	4.1	0	38	408729.0	6825812.0
27	50290	GNORMAL	3	48.0	22.6	4.7	0	43	408734.0	6826033.0
27	50290	HNORMAL	4	61.9	17.3	10.0	0	42	408734.8	6826193.5
27	50290	JNORMAL	4	61.1	16.0	10.9	0	44	408734.9	6826274.5
27	50290	KNORMAL	3	73.8	26.9	7.4	0	41	408735.1	6826461.0
27	50290	MNORMAL	3	66.4	29.1	5.7	0	39	408735.1	6826687.5
27	50290	NNORMAL	3	42.5	16.1	6.0	5	36	408737.4	6826840.0
27	50290	ONORMAL	0	9.5	12.9	0.6	9	37	408738.1	6827136.5
27	50290	PNORMAL	3	25.8	8.3	6.4	4	46	408767.2	6833187.5
27	50290	QNORMAL	0	14.2	24.0	0.5	3	32	408822.6	6837528.5
27	50290	RNORMAL	0	10.5	29.4	0.2	5	23	408831.3	6837695.0
27	50290	SNORMAL	0	11.4	20.9	0.4	3	33	408855.9	6839080.5
27	50290	TNORMAL	2	41.5	22.7	3.7	2	36	408868.3	6840185.0
27	50300	ANORMAL	3	61.8	34.7	4.0	4	30	408707.4	6840269.5
27	50300	BNORMAL	2	29.1	16.1	3.2	4	39	408702.9	6840130.5
27	50300	CNORMAL	0	7.4	15.3	0.3	3	36	408640.9	6837394.0
27	50300	DNORMAL	0	5.7	18.4	0.1	0	43	408563.9	6834139.0
27	50300	ENORMAL	0	9.3	25.0	0.2	0	43	408563.0	6833695.5
27	50300	FNORMAL	0	5.2	19.5	0.1	0	36	408552.8	6830917.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
27	50300	GNORMAL	0	11.5	14.6	0.7	6	39	408477.5	6827141.0
27	50300	HNORMAL	3	42.0	16.5	5.7	0	45	408473.6	6826951.5
27	50300	JNORMAL	2	21.1	11.0	3.1	0	62	408447.4	6825870.0
27	50300	KNORMAL	0	11.2	22.7	0.4	0	42	408447.1	6824858.5
27	50300	MNORMAL	4	88.0	29.0	8.9	0	34	408429.1	6822967.5
27	50300	NNORMAL	3	102.1	39.5	7.6	0	33	408424.2	6822891.5
27	50300	ONORMAL	3	90.9	33.4	7.8	0	33	408411.6	6822693.0
27	50300	PNORMAL	3	117.6	55.2	6.2	0	30	408406.6	6822619.0
27	50300	QNORMAL	4	166.8	52.7	11.3	0	27	408401.7	6822545.0
27	50300	RNORMAL	4	130.5	45.4	9.3	1	27	408398.7	6822432.0
27	50300	SNORMAL	4	132.3	42.1	10.5	3	24	408397.0	6822367.0
27	50300	TNORMAL	0	21.6	31.8	0.8	10	23	408441.2	6821950.0
27	50310	ANORMAL	0	0.9	7.2	0.0	5	28	408198.6	6818881.0
27	50310	BNORMAL	0	3.7	5.8	0.3	0	65	408217.0	6819879.0
27	50310	CNORMAL	0	7.7	11.3	0.5	0	56	408259.9	6820346.0
27	50310	DNORMAL	2	30.3	17.2	3.2	10	32	408251.9	6821966.0
27	50310	ENORMAL	2	34.1	21.5	2.9	11	29	408250.0	6822067.0
27	50310	FNORMAL	2	37.8	22.7	3.1	6	33	408247.0	6822253.5
27	50310	GNORMAL	4	74.9	20.0	11.2	0	34	408248.0	6822364.5
27	50310	HNORMAL	4	74.9	19.1	11.9	0	37	408252.3	6822485.5
27	50310	JNORMAL	4	69.7	20.4	9.7	0	40	408255.7	6822580.0
27	50310	KNORMAL	4	59.9	14.2	12.3	0	43	408260.1	6822703.5
27	50310	MNORMAL	4	45.3	12.5	9.3	0	50	408265.2	6822849.0
27	50310	NNORMAL	3	40.8	17.2	5.1	0	51	408322.9	6826775.0
27	50310	ONORMAL	3	41.3	18.7	4.7	0	44	408328.4	6827011.5
27	50310	PNORMAL	1	18.6	20.5	1.1	0	40	408332.2	6827185.5
27	50310	QNORMAL	0	6.2	17.4	0.1	0	44	408353.3	6834098.5
27	50310	RNORMAL	0	15.3	23.5	0.6	1	35	408443.8	6837167.0
27	50310	SNORMAL	2	25.9	19.3	2.1	0	44	408470.0	6840140.5
27	50310	TNORMAL	2	39.1	25.7	2.8	2	35	408477.4	6840256.0
27	50320	ANORMAL	0	9.3	18.2	0.3	0	39	408244.2	6838316.0
27	50320	BNORMAL	2	19.5	11.8	2.5	2	47	408175.0	6832916.0
27	50320	CNORMAL	0	9.6	15.6	0.5	0	41	408180.0	6831351.5
27	50320	DNORMAL	3	40.7	17.6	5.0	0	44	408063.8	6826392.5
27	50320	ENORMAL	2	25.1	11.9	3.8	0	51	408063.1	6825808.0
27	50320	FNORMAL	3	39.4	15.7	5.5	6	35	408061.6	6824110.5
27	50320	GNORMAL	0	13.6	32.6	0.3	0	28	408057.8	6823682.5
27	50320	HNORMAL	1	17.0	19.0	1.0	10	31	408052.3	6823598.5
27	50320	JNORMAL	0	13.8	15.4	0.9	8	37	408042.9	6823455.0
27	50320	KNORMAL	4	205.0	74.7	10.0	0	24	408049.3	6822726.5
27	50320	MNORMAL	4	263.9	104.6	9.6	1	20	408047.2	6822648.5
27	50320	NNORMAL	4	289.6	112.5	10.1	2	19	408045.3	6822548.0
27	50320	ONORMAL	3	133.3	69.6	5.6	6	19	408042.0	6822494.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
27	50320	PNORMAL	4	151.4	50.9	10.2	3	23	408028.0	6822410.0
27	50320	QNORMAL	4	148.1	39.7	13.5	1	26	408018.6	6822350.0
27	50320	RNORMAL	2	51.0	27.8	3.9	8	28	408008.0	6822225.5
27	50320	SNORMAL	2	60.2	40.9	3.1	9	23	408003.0	6822042.5
27	50320	TNORMAL	2	54.0	36.7	3.0	13	20	408006.1	6821920.5
27	50320	UNORMAL	2	25.6	13.0	3.5	12	34	407983.5	6821043.0
27	50320	VNORMAL	0	9.8	13.4	0.6	15	30	407975.3	6820178.0
28	50331	ANORMAL	1	11.7	10.5	1.2	19	33	407865.6	6821229.5
28	50331	BNORMAL	2	22.8	16.0	2.2	19	25	407824.8	6821866.0
28	50331	CNORMAL	2	21.4	13.0	2.6	22	26	407810.1	6822050.0
28	50331	DNORMAL	3	38.6	12.3	7.3	8	35	407793.1	6822321.5
28	50331	ENORMAL	4	52.2	15.4	8.9	5	34	407793.3	6822403.5
28	50331	FNORMAL	4	66.5	21.1	8.7	4	32	407798.4	6822528.0
28	50331	GNORMAL	3	40.3	18.3	4.6	6	35	407866.8	6823980.0
28	50331	HNORMAL	3	36.2	11.4	7.3	11	33	407867.4	6824071.0
28	50331	JNORMAL	2	25.4	19.3	2.0	9	33	407900.7	6826346.5
28	50331	KNORMAL	2	30.1	20.4	2.5	10	31	407905.7	6826700.0
28	50331	MNORMAL	3	37.0	17.7	4.2	11	30	407907.1	6826951.0
28	50340	ANORMAL	0	4.7	12.6	0.1	7	32	407859.6	6840105.5
28	50340	BNORMAL	0	6.4	15.0	0.2	8	30	407831.9	6839307.5
28	50340	CNORMAL	3	71.9	30.5	6.1	9	24	407708.9	6827434.0
28	50340	DNORMAL	3	58.6	19.4	7.9	10	26	407710.8	6827145.5
28	50340	ENORMAL	3	41.0	19.4	4.4	14	26	407709.0	6826939.0
28	50340	FNORMAL	2	27.4	18.7	2.4	13	29	407706.9	6826793.5
28	50340	GNORMAL	1	24.0	19.3	1.8	12	30	407696.3	6826386.5
28	50340	HNORMAL	4	65.2	20.4	8.8	9	27	407688.5	6824147.0
28	50340	JNORMAL	4	64.7	19.5	9.2	9	27	407688.1	6824001.0
28	50340	KNORMAL	4	48.3	14.9	8.2	12	27	407688.9	6823890.0
28	50340	MNORMAL	4	92.3	23.1	13.0	9	23	407679.6	6822481.0
28	50340	NNORMAL	4	77.8	21.5	10.8	10	24	407665.0	6822347.0
28	50340	ONORMAL	4	82.2	23.3	10.7	11	22	407649.2	6822248.0
28	50340	PNORMAL	2	34.9	20.2	3.2	18	22	407641.8	6822135.5
28	50340	QNORMAL	1	37.2	33.6	1.8	16	19	407611.7	6821905.5
28	50340	RNORMAL	2	32.8	24.6	2.2	16	23	407603.5	6821788.0
28	50340	SNORMAL	2	26.1	18.9	2.2	17	25	407599.6	6821642.5
28	50340	TNORMAL	2	19.7	8.8	3.8	19	33	407616.4	6821162.5
28	50340	UNORMAL	4	73.6	15.9	14.8	14	21	407642.3	6820817.0
28	50340	VNORMAL	4	89.3	24.5	11.4	11	21	407642.7	6820723.5
28	50340	WNORMAL	1	17.7	16.8	1.3	14	29	407642.6	6820040.0
28	50340	XNORMAL	0	2.8	10.4	0.0	17	21	407613.5	6819358.5
28	50350	ANORMAL	0	5.8	12.7	0.2	13	28	407408.3	6819432.0
28	50350	BNORMAL	0	31.8	58.9	0.7	18	7	407380.4	6819967.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
28	50350	CNORMAL	4	46.5	12.4	9.8	16	25	407369.3	6820626.5
28	50350	DNORMAL	4	50.0	10.9	13.1	8	32	407367.1	6820794.5
28	50350	ENORMAL	2	23.8	15.5	2.4	11	34	407377.5	6821194.5
28	50350	FNORMAL	2	23.1	17.2	2.0	14	30	407381.3	6821276.5
28	50350	GNORMAL	2	53.0	38.1	2.8	15	18	407371.5	6821730.5
28	50350	HNORMAL	2	64.8	52.0	2.6	12	17	407365.2	6821837.0
28	50350	JNORMAL	3	49.0	17.2	6.9	16	23	407361.8	6822032.0
28	50350	KNORMAL	4	51.8	12.1	12.0	10	29	407361.6	6822150.5
28	50350	MNORMAL	4	65.8	19.3	9.6	9	27	407405.7	6823860.5
28	50350	NNORMAL	4	76.0	17.0	14.2	6	29	407400.3	6823945.5
28	50350	ONORMAL	3	41.1	12.6	7.9	8	35	407417.1	6824163.0
28	50350	PNORMAL	4	23.5	5.9	8.7	9	43	407430.1	6824342.5
28	50350	QNORMAL	1	35.9	30.6	1.9	10	26	407478.9	6826599.0
28	50350	RNORMAL	3	45.1	21.1	4.6	11	28	407481.1	6826730.0
28	50350	SNORMAL	3	40.2	16.5	5.3	12	29	407486.5	6826890.0
28	50350	TNORMAL	2	28.1	18.3	2.6	13	30	407492.6	6827019.5
28	50350	UNORMAL	0	8.0	17.9	0.3	12	24	407643.7	6839880.0
28	50360	ANORMAL	0	10.2	14.9	0.6	15	27	407412.6	6836587.5
28	50360	BNORMAL	2	38.9	21.9	3.5	11	29	407324.8	6826868.0
28	50360	CNORMAL	2	39.1	23.4	3.2	9	29	407322.9	6826772.0
28	50360	DNORMAL	2	35.4	22.0	2.9	8	31	407319.0	6826692.5
28	50360	ENORMAL	2	26.9	18.1	2.4	10	32	407316.0	6826605.5
28	50360	FNORMAL	4	35.2	10.2	8.1	13	31	407298.8	6824490.0
28	50360	GNORMAL	3	64.0	30.4	5.1	13	21	407298.4	6824160.5
28	50360	HNORMAL	3	111.0	42.7	7.8	9	20	407297.7	6824034.0
28	50360	JNORMAL	3	124.7	49.2	7.8	8	20	407299.4	6823985.5
28	50360	KNORMAL	4	121.8	35.1	11.7	9	20	407300.4	6823938.5
28	50360	MNORMAL	3	33.1	11.3	6.4	13	32	407292.5	6823764.0
28	50360	NNORMAL	2	30.3	15.9	3.5	11	32	407288.1	6823682.0
28	50360	ONORMAL	1	15.5	12.8	1.5	16	32	407286.8	6823512.0
28	50360	PNORMAL	2	60.6	42.1	3.0	17	15	407265.2	6822148.5
28	50360	QNORMAL	3	82.7	42.2	5.0	13	17	407257.9	6822064.0
28	50360	RNORMAL	3	63.2	26.1	6.0	16	19	407245.7	6821977.0
28	50360	SNORMAL	2	43.0	34.0	2.3	13	21	407234.2	6821789.5
28	50360	TNORMAL	2	48.7	32.7	3.0	11	24	407226.8	6821709.0
28	50360	UNORMAL	2	24.4	14.5	2.8	20	26	407203.8	6821214.5
28	50360	VNORMAL	4	81.2	23.7	10.2	7	26	407211.6	6820595.0
28	50360	WNORMAL	0	6.5	16.0	0.2	14	22	407203.8	6820417.0
28	50360	XNORMAL	0	14.6	20.6	0.7	17	22	407178.2	6819923.0
28	50360	YNORMAL	0	3.4	9.8	0.1	14	27	407142.9	6819175.5
28	50370	ANORMAL	0	5.3	13.7	0.2	17	21	407021.3	6819099.5
28	50370	BNORMAL	0	12.3	20.9	0.5	18	19	407005.3	6819700.0
28	50370	CNORMAL	0	9.6	13.6	0.6	19	25	407010.5	6820434.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
28	50370	DNORMAL	4	111.4	31.9	11.5	6	24	407014.4	6820619.5
28	50370	ENORMAL	4	77.7	21.7	10.7	11	23	407011.9	6820697.5
28	50370	FNORMAL	2	44.6	28.9	3.0	13	23	407008.6	6820774.0
28	50370	GNORMAL	1	31.5	40.9	1.1	9	22	407010.9	6821103.5
28	50370	HNORMAL	2	41.9	35.9	2.0	14	20	407011.4	6821207.0
28	50370	JNORMAL	2	39.5	33.3	2.0	14	21	407016.0	6821292.0
28	50370	KNORMAL	0	15.5	20.3	0.8	16	23	407020.8	6821411.5
28	50370	MNORMAL	1	20.2	17.0	1.6	21	23	407018.9	6821544.0
28	50370	NNORMAL	2	32.3	25.6	2.1	16	21	407021.2	6821741.5
28	50370	ONORMAL	1	32.4	26.9	1.9	14	23	407019.3	6821792.5
28	50370	PNORMAL	2	40.6	23.3	3.4	11	27	407012.6	6821927.0
28	50370	QNORMAL	2	43.6	26.3	3.3	11	26	407043.5	6823280.0
28	50370	RNORMAL	2	20.4	12.7	2.4	21	27	407048.8	6823430.5
28	50370	SNORMAL	2	23.8	14.2	2.7	17	29	407049.2	6823581.0
28	50370	TNORMAL	3	51.2	18.5	6.8	6	33	407054.1	6823734.5
28	50370	UNORMAL	3	76.6	35.5	5.5	3	29	407060.8	6823848.0
28	50370	VNORMAL	3	82.2	29.6	7.8	7	26	407063.3	6823928.5
28	50370	WNORMAL	3	50.7	20.6	5.8	15	22	407062.0	6824060.0
28	50370	XNORMAL	3	41.9	16.6	5.6	16	24	407062.1	6824185.5
28	50370	YNORMAL	4	59.0	14.0	12.2	9	29	407068.6	6824395.0
28	50370	ZNORMAL	4	46.1	11.2	11.1	15	26	407071.7	6824512.0
28	50370	AANORMAL	3	33.6	14.7	4.6	24	19	407081.5	6824665.0
28	50370	ABNORMAL	1	25.1	28.3	1.2	14	22	407104.9	6826571.5
28	50370	ACNORMAL	2	46.6	31.6	2.9	9	26	407104.9	6826776.5
28	50370	ADNORMAL	2	41.0	29.4	2.6	10	26	407105.3	6826835.5
28	50380	ANORMAL	0	8.6	16.9	0.3	10	28	407025.8	6840107.0
28	50380	BNORMAL	2	20.2	10.6	3.1	20	30	406881.0	6824626.0
28	50380	CNORMAL	3	30.1	13.5	4.3	14	31	406901.1	6824480.0
28	50380	DNORMAL	4	68.7	15.9	13.2	7	28	406931.0	6824264.5
28	50380	ENORMAL	4	54.7	13.4	11.5	12	27	406936.6	6824044.5
28	50380	FNORMAL	3	31.7	12.2	5.4	15	30	406932.7	6823934.5
28	50380	GNORMAL	1	16.5	13.3	1.6	16	32	406924.3	6823860.0
28	50380	HNORMAL	3	24.8	10.7	4.3	13	35	406907.6	6823751.0
28	50380	JNORMAL	2	17.8	8.5	3.3	10	43	406883.3	6823542.5
28	50380	KNORMAL	1	11.9	9.1	1.5	23	32	406868.8	6823318.0
28	50380	MNORMAL	1	23.7	20.8	1.6	15	26	406847.7	6821793.5
28	50380	NNORMAL	2	43.9	36.1	2.2	12	22	406851.6	6821624.5
28	50380	ONORMAL	1	21.0	18.4	1.5	16	26	406860.4	6821300.0
28	50380	PNORMAL	2	28.8	19.2	2.5	12	29	406847.3	6821108.0
28	50380	QNORMAL	1	15.7	17.7	1.0	12	30	406847.7	6820977.0
28	50380	RNORMAL	1	18.2	15.2	1.6	13	32	406850.1	6820794.5
28	50380	SNORMAL	4	43.2	9.8	11.9	4	38	406841.1	6820544.5
28	50380	TNORMAL	2	28.1	17.9	2.6	8	34	406841.0	6820424.5
28	50380	UNORMAL	0	4.6	4.2	0.8	40	31	406797.2	6819696.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
28	50380	VNORMAL	0	4.2	8.0	0.2	15	35	406791.0	6818987.5
28	50390	ANORMAL	0	5.6	7.4	0.5	15	41	406644.2	6818820.0
28	50390	BNORMAL	0	3.3	9.2	0.1	27	16	406650.8	6819257.0
28	50390	CNORMAL	0	4.7	6.7	0.4	32	25	406626.2	6819685.0
28	50390	DNORMAL	1	15.8	15.4	1.2	22	23	406614.8	6820240.5
28	50390	ENORMAL	2	28.1	22.1	2.0	15	25	406609.8	6820375.0
28	50390	FNORMAL	3	38.5	18.0	4.4	14	27	406608.2	6820433.5
28	50390	GNORMAL	3	47.7	15.9	7.4	10	30	406610.4	6820528.5
28	50390	HNORMAL	1	19.9	23.5	1.0	14	24	406613.0	6820834.5
28	50390	JNORMAL	0	16.1	25.0	0.6	12	23	406613.5	6820907.0
28	50390	KNORMAL	1	37.1	35.2	1.7	13	20	406619.0	6821147.5
28	50390	MNORMAL	1	27.3	26.5	1.5	14	23	406621.3	6821286.5
28	50390	NNORMAL	1	20.3	20.1	1.3	10	31	406634.1	6821551.5
28	50390	ONORMAL	2	21.4	13.4	2.5	12	35	406643.2	6821764.0
28	50390	PNORMAL	2	16.8	10.4	2.3	16	35	406647.9	6821921.0
28	50390	QNORMAL	2	30.5	19.8	2.6	12	29	406617.5	6823333.5
28	50390	RNORMAL	3	44.4	20.8	4.6	9	30	406623.9	6823496.5
28	50390	SNORMAL	3	67.4	23.0	7.9	5	30	406627.5	6823579.0
28	50390	TNORMAL	3	86.1	44.8	4.9	8	22	406640.1	6823750.5
28	50390	UNORMAL	3	83.6	38.7	5.7	13	18	406640.4	6823858.5
28	50390	VNORMAL	2	37.7	21.0	3.5	15	24	406639.8	6823990.0
28	50390	WNORMAL	4	70.3	20.3	9.9	6	29	406644.0	6824222.0
28	50390	XNORMAL	4	83.4	26.2	9.4	6	26	406641.4	6824290.0
28	50390	YNORMAL	2	38.6	24.2	3.0	12	26	406641.9	6824408.5
28	50390	ZNORMAL	3	38.6	16.4	5.0	7	34	406652.9	6824600.0
28	50390	AANORMAL	2	26.3	15.7	2.8	14	30	406665.1	6824752.0
28	50390	ABNORMAL	2	22.2	15.0	2.2	19	27	406675.6	6824860.5
28	50390	ACNORMAL	0	2.8	21.0	0.0	0	25	406709.1	6830267.5
28	50390	ADNORMAL	0	1.4	13.5	0.0	0	25	406723.0	6830456.5
28	50400	ANORMAL	3	46.1	18.8	5.6	15	25	406486.8	6824903.0
28	50400	BNORMAL	4	67.8	19.4	10.0	11	25	406483.4	6824787.0
28	50400	CNORMAL	4	68.2	19.1	10.3	9	27	406479.3	6824665.5
28	50400	DNORMAL	3	47.9	19.6	5.6	9	30	406476.8	6824481.0
28	50400	ENORMAL	2	44.4	24.0	3.8	8	30	406473.3	6824399.0
28	50400	FNORMAL	3	53.2	25.0	4.8	10	26	406466.3	6824242.0
28	50400	GNORMAL	3	53.8	20.1	6.6	9	28	406465.1	6824156.0
28	50400	HNORMAL	4	48.6	14.6	8.5	9	30	406463.0	6824031.0
28	50400	JNORMAL	4	46.6	9.1	14.8	11	31	406457.3	6823924.0
28	50400	KNORMAL	3	32.8	13.7	4.9	12	32	406452.9	6823687.0
28	50400	MNORMAL	2	19.4	9.4	3.4	10	41	406450.4	6823150.0
28	50400	NNORMAL	3	82.2	40.4	5.2	20	11	406424.1	6822558.5
28	50400	ONORMAL	2	30.8	16.5	3.4	11	32	406442.8	6821980.0
28	50400	PNORMAL	2	62.8	38.6	3.6	12	20	406461.7	6821904.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
28	50400	QNORMAL	2	18.0	12.2	2.1	22	27	406502.1	6821681.5
28	50400	RNORMAL	0	16.6	20.2	0.9	13	26	406510.6	6821597.5
28	50400	SNORMAL	0	17.0	20.0	0.9	19	21	406487.5	6821213.0
28	50400	TNORMAL	1	16.6	16.2	1.2	20	24	406459.5	6820999.5
28	50400	UNORMAL	1	20.2	16.6	1.7	14	30	406437.4	6820729.0
28	50400	VNORMAL	2	29.6	20.0	2.5	10	31	406428.6	6820619.5
28	50400	WNORMAL	3	54.4	17.7	7.9	6	32	406416.1	6820518.5
28	50400	XNORMAL	4	57.3	15.6	10.1	6	31	406403.9	6820388.5
28	50400	YNORMAL	1	24.2	21.1	1.6	11	30	406397.9	6820233.0
28	50400	ZNORMAL	0	5.1	14.4	0.1	14	23	406420.1	6819586.5
28	50410	ANORMAL	0	3.3	10.9	0.1	11	27	406194.5	6819635.5
28	50410	BNORMAL	0	9.0	14.9	0.4	16	25	406188.8	6820085.5
28	50410	CNORMAL	4	109.1	33.3	10.5	6	23	406190.3	6820400.0
28	50410	DNORMAL	4	185.3	62.8	10.6	6	19	406193.0	6820530.0
28	50410	ENORMAL	0	16.7	21.4	0.8	20	19	406203.3	6820806.5
28	50410	FNORMAL	0	12.1	21.0	0.5	20	17	406209.0	6821037.0
28	50410	GNORMAL	0	8.6	24.5	0.2	14	16	406220.1	6821231.0
28	50410	HNORMAL	1	12.4	10.0	1.4	22	30	406222.7	6821590.5
28	50410	JNORMAL	2	12.1	5.7	3.0	27	34	406217.0	6821802.0
28	50410	KNORMAL	3	22.6	9.6	4.2	2	48	406209.3	6822021.5
28	50410	MNORMAL	2	29.9	14.6	3.8	18	26	406217.5	6822312.0
28	50410	NNORMAL	2	32.4	23.2	2.4	13	26	406263.9	6823452.0
28	50410	ONORMAL	3	53.8	24.0	5.2	9	28	406273.4	6823574.0
28	50410	PNORMAL	4	81.7	28.2	8.2	8	25	406285.3	6823763.0
28	50410	QNORMAL	2	27.7	16.5	2.9	13	30	406300.6	6824031.0
28	50410	RNORMAL	2	42.3	29.7	2.7	5	31	406302.3	6824197.0
28	50410	SNORMAL	3	47.9	21.7	4.9	10	28	406304.2	6824428.5
28	50410	TNORMAL	2	19.1	13.5	2.0	18	29	406308.3	6824990.0
28	50410	UNORMAL	2	17.8	11.5	2.2	19	31	406307.3	6825138.5
29	50420	ANORMAL	0	3.9	9.5	0.1	11	33	406109.8	6826586.5
29	50420	BNORMAL	0	11.4	16.9	0.6	18	23	406094.6	6826383.0
29	50420	CNORMAL	1	18.9	19.5	1.2	17	24	406082.5	6826267.0
29	50420	DNORMAL	3	27.9	10.4	5.4	22	25	406061.2	6825674.0
29	50420	ENORMAL	3	24.8	10.0	4.7	22	27	406068.3	6825576.0
29	50420	FNORMAL	2	23.3	11.5	3.5	19	29	406082.3	6825357.0
29	50420	GNORMAL	2	22.0	14.5	2.3	22	24	406089.4	6825235.5
29	50420	HNORMAL	2	28.9	13.9	3.9	21	24	406099.7	6825021.0
29	50420	JNORMAL	2	22.7	11.9	3.2	20	28	406103.9	6824855.5
29	50420	KNORMAL	3	38.4	12.8	6.9	12	31	406107.2	6824707.5
29	50420	MNORMAL	3	32.5	10.9	6.5	14	31	406107.0	6824662.5
29	50420	NNORMAL	3	27.0	9.0	6.2	16	32	406107.1	6824566.0
29	50420	ONORMAL	2	26.6	15.3	3.0	11	33	406111.2	6824428.5
29	50420	PNORMAL	1	41.1	39.1	1.8	9	23	406103.3	6824024.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
29	50420	QNORMAL	3	50.4	20.8	5.6	8	29	406083.3	6823644.0
29	50420	RNORMAL	4	40.3	8.2	13.5	9	35	406076.6	6823400.0
29	50420	SNORMAL	4	42.3	10.0	11.2	7	35	406074.4	6823228.5
29	50420	TNORMAL	2	26.5	15.8	2.8	18	26	406034.2	6822181.5
29	50420	UNORMAL	2	19.4	12.9	2.2	15	33	406031.7	6822019.0
29	50420	VNORMAL	2	23.4	14.8	2.5	21	25	406031.1	6821797.5
29	50420	WNORMAL	2	22.2	12.5	2.9	23	24	406036.3	6821529.5
29	50420	XNORMAL	2	30.3	18.2	2.9	18	25	406037.6	6821415.5
29	50420	YNORMAL	2	43.3	33.7	2.3	10	24	406041.5	6821344.5
29	50420	ZNORMAL	2	40.0	34.3	2.0	10	24	406043.1	6821263.5
29	50420	AANORMAL	4	34.9	7.0	13.2	5	41	406018.0	6820363.0
29	50420	ABNORMAL	0	3.3	7.0	0.2	22	29	405968.8	6818539.0
29	50430	ANORMAL	0	7.7	38.6	0.0	8	13	405847.6	6818424.5
29	50430	BNORMAL	4	176.1	62.8	9.8	7	17	405836.5	6820463.0
29	50430	CNORMAL	4	353.8	130.0	11.5	7	12	405839.2	6820569.5
29	50430	DNORMAL	0	13.8	18.7	0.7	19	21	405833.6	6820972.5
29	50430	ENORMAL	1	23.7	22.0	1.5	29	11	405842.0	6821147.0
29	50430	FNORMAL	2	41.1	31.0	2.4	17	18	405849.3	6821236.5
29	50430	GNORMAL	2	81.2	50.9	3.8	9	20	405859.8	6821383.0
29	50430	HNORMAL	1	34.9	39.9	1.3	16	16	405877.8	6821597.5
29	50430	JNORMAL	2	53.0	31.9	3.5	20	14	405882.3	6821683.0
29	50430	KNORMAL	2	43.5	26.2	3.3	12	25	405877.3	6822056.0
29	50430	MNORMAL	3	62.2	32.2	4.5	12	22	405859.9	6822182.0
29	50430	NNORMAL	1	13.3	11.4	1.3	21	29	405823.6	6822578.0
29	50430	ONORMAL	2	34.4	19.8	3.2	9	32	405821.2	6823140.5
29	50430	PNORMAL	1	31.0	29.6	1.6	8	27	405831.7	6823615.5
29	50430	QNORMAL	1	14.9	11.4	1.6	16	35	405847.2	6823919.5
29	50430	RNORMAL	2	37.0	22.0	3.2	12	27	405864.4	6824557.5
29	50430	SNORMAL	3	51.2	25.3	4.5	13	23	405865.2	6824683.5
29	50430	TNORMAL	3	38.9	17.4	4.7	16	25	405863.2	6824853.5
29	50430	UNORMAL	2	24.3	14.0	2.9	17	29	405876.6	6826150.0
29	50430	VNORMAL	3	27.1	12.4	4.1	16	30	405876.6	6826233.5
29	50440	ANORMAL	0	16.4	19.1	0.9	14	26	405855.1	6839076.0
29	50440	BNORMAL	1	22.3	24.2	1.2	15	23	405848.2	6838894.5
29	50440	CNORMAL	0	8.4	26.0	0.1	6	22	405769.7	6833173.5
29	50440	DNORMAL	2	27.3	16.0	2.9	12	32	405703.8	6826240.5
29	50440	ENORMAL	2	28.5	15.9	3.2	15	29	405702.5	6826181.0
29	50440	FNORMAL	1	16.5	14.4	1.4	14	32	405708.3	6825861.5
29	50440	GNORMAL	3	29.7	13.6	4.2	17	27	405715.7	6825314.5
29	50440	HNORMAL	2	18.9	9.8	3.0	15	36	405723.8	6825129.0
29	50440	JNORMAL	2	27.7	15.4	3.1	7	37	405725.4	6824709.5
29	50440	KNORMAL	2	25.5	19.7	2.0	8	34	405720.9	6824610.0
29	50440	MNORMAL	3	41.6	17.1	5.3	9	32	405719.0	6824258.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
29	50440	NNORMAL	3	39.4	13.8	6.5	12	30	405703.8	6823954.5
29	50440	ONORMAL	2	16.6	11.4	2.0	14	36	405702.3	6823701.0
29	50440	PNORMAL	1	22.5	19.7	1.6	6	35	405707.8	6823585.5
29	50440	QNORMAL	2	36.4	21.3	3.2	8	32	405700.3	6823282.0
29	50440	RNORMAL	2	43.3	24.4	3.6	7	31	405700.5	6823176.5
29	50440	SNORMAL	1	10.9	9.5	1.2	10	44	405695.6	6822498.5
29	50440	TNORMAL	2	35.2	23.0	2.7	13	26	405688.7	6822062.5
29	50440	UNORMAL	2	31.7	24.0	2.2	16	22	405684.4	6821992.5
29	50440	VNORMAL	0	9.8	15.3	0.5	17	25	405694.5	6821803.5
29	50440	WNORMAL	2	19.8	11.0	2.8	27	23	405697.0	6821711.0
29	50440	XNORMAL	3	70.0	25.8	7.2	5	29	405705.2	6821251.5
29	50440	YNORMAL	2	48.0	29.0	3.4	11	25	405704.1	6821141.5
29	50440	ZNORMAL	3	74.5	26.5	7.7	4	30	405687.5	6820673.0
29	50440	AANORMAL	4	90.4	30.1	8.9	5	27	405686.0	6820563.5
29	50440	ABNORMAL	4	82.6	25.3	9.6	5	28	405683.8	6820499.5
29	50440	ACNORMAL	3	47.6	15.0	7.9	8	32	405674.5	6820387.0
29	50450	ANORMAL	3	39.4	18.5	4.4	20	20	405409.6	6820777.5
29	50450	BNORMAL	3	91.7	34.1	7.7	10	21	405419.1	6821039.5
29	50450	CNORMAL	4	77.8	25.9	8.5	6	28	405421.6	6821356.5
29	50450	DNORMAL	0	14.6	22.6	0.6	11	25	405421.2	6821983.0
29	50450	ENORMAL	0	18.7	24.8	0.8	10	26	405417.8	6822513.5
29	50450	FNORMAL	1	20.6	21.0	1.2	15	25	405408.6	6822845.0
29	50450	GNORMAL	2	24.1	16.2	2.3	14	31	405432.0	6823125.5
29	50450	HNORMAL	1	20.4	20.2	1.3	13	27	405460.8	6823549.0
29	50450	JNORMAL	2	28.2	17.0	2.8	15	28	405458.6	6823664.0
29	50450	KNORMAL	2	37.0	21.2	3.3	11	29	405463.0	6823785.5
29	50450	MNORMAL	1	15.6	11.9	1.7	16	34	405503.1	6825166.5
29	50450	NNORMAL	2	19.6	12.3	2.4	13	36	405506.0	6825521.5
29	50450	ONORMAL	0	12.7	16.8	0.7	0	44	405500.3	6826038.5
29	50450	PNORMAL	2	24.3	18.4	2.0	15	28	405500.8	6826179.5
29	50450	QNORMAL	0	10.3	20.8	0.3	4	31	405637.8	6838214.0
29	50450	RNORMAL	1	28.2	29.1	1.4	10	26	405613.5	6838788.0
29	50450	SNORMAL	0	8.6	22.3	0.2	8	24	405611.8	6838891.5
29	50460	ANORMAL	0	11.7	19.4	0.5	6	32	405427.4	6838758.5
29	50460	BNORMAL	0	19.8	30.1	0.7	4	29	405414.5	6838570.5
29	50460	CNORMAL	0	15.5	28.6	0.5	3	29	405415.3	6838424.5
29	50460	DNORMAL	0	13.9	32.2	0.3	6	23	405402.1	6838253.0
29	50460	ENORMAL	0	10.6	25.8	0.3	7	24	405392.2	6838135.0
29	50460	FNORMAL	1	12.4	8.1	1.9	10	47	405349.9	6826173.0
29	50460	GNORMAL	2	29.8	20.2	2.5	20	21	405342.4	6825614.5
29	50460	HNORMAL	2	23.6	13.7	2.8	14	32	405296.0	6825133.0
29	50460	JNORMAL	3	28.2	12.1	4.5	17	29	405281.1	6824806.0
29	50460	KNORMAL	0	9.1	14.5	0.5	13	29	405256.6	6823937.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
29	50460	MNORMAL	2	36.4	21.1	3.3	10	29	405256.3	6823640.5
29	50460	NNORMAL	3	43.5	19.2	4.9	9	31	405258.4	6823526.5
29	50460	ONORMAL	1	33.4	28.7	1.9	7	29	405259.7	6823062.5
29	50460	PNORMAL	1	19.5	20.4	1.2	14	27	405262.2	6822798.0
29	50460	QNORMAL	1	23.1	23.4	1.3	11	27	405263.7	6822715.5
29	50460	RNORMAL	1	20.3	17.4	1.6	17	27	405257.1	6821756.0
29	50460	SNORMAL	3	46.5	23.9	4.1	8	30	405256.0	6821562.0
29	50460	TNORMAL	4	113.7	35.4	10.3	7	23	405257.1	6821292.5
29	50460	UNORMAL	3	85.8	32.8	7.3	7	25	405257.0	6821182.0
29	50460	VNORMAL	4	68.4	20.8	9.2	6	29	405256.7	6820922.0
29	50460	WNORMAL	0	4.5	11.1	0.1	0	47	405268.9	6818197.5
29	50470	ANORMAL	4	176.0	60.5	10.3	7	18	405034.6	6820941.0
29	50470	BNORMAL	4	208.1	83.5	8.9	6	17	405040.3	6821051.0
29	50470	CNORMAL	3	91.7	48.4	4.9	8	22	405045.7	6821268.0
29	50470	DNORMAL	3	67.1	33.3	4.8	12	21	405050.8	6821383.0
29	50470	ENORMAL	3	59.3	29.4	4.7	10	25	405053.7	6821469.0
29	50470	FNORMAL	0	7.1	16.4	0.2	1	36	405077.1	6822462.5
29	50470	GNORMAL	0	11.4	17.9	0.5	7	32	405077.8	6822637.0
29	50470	HNORMAL	1	26.4	22.3	1.8	7	32	405085.0	6822940.0
29	50470	JNORMAL	2	37.2	25.7	2.6	7	31	405085.8	6823012.5
29	50470	KNORMAL	0	15.3	19.3	0.8	9	31	405081.2	6823240.5
29	50470	MNORMAL	2	23.0	15.0	2.4	12	34	405084.4	6823438.5
29	50470	NNORMAL	2	32.3	21.0	2.7	5	35	405084.0	6823572.0
29	50470	ONORMAL	2	33.7	21.5	2.8	9	31	405092.0	6824143.0
29	50470	PNORMAL	3	37.1	15.7	5.0	13	29	405094.4	6824818.0
29	50470	QNORMAL	1	19.8	16.1	1.7	16	28	405115.3	6825764.5
29	50470	RNORMAL	1	12.5	11.6	1.2	9	41	405128.5	6826268.0
29	50470	SNORMAL	0	10.9	30.4	0.2	6	22	405162.9	6830206.0
29	50480	ANORMAL	1	27.6	28.8	1.3	6	30	404989.9	6834103.5
29	50480	BNORMAL	0	20.8	26.1	0.9	10	26	404991.8	6833954.5
29	50480	CNORMAL	0	15.8	26.3	0.6	8	26	404982.3	6831859.0
29	50480	DNORMAL	1	27.4	35.2	1.0	10	22	404978.3	6831612.0
29	50480	ENORMAL	0	18.2	28.8	0.6	10	24	404970.1	6831366.5
29	50480	FNORMAL	1	27.7	30.2	1.3	3	32	404919.0	6826153.0
29	50480	GNORMAL	3	35.7	16.1	4.5	21	21	404919.7	6825199.0
29	50480	HNORMAL	3	35.1	12.2	6.3	14	30	404917.9	6825104.0
29	50480	JNORMAL	4	27.8	7.5	8.3	11	37	404912.0	6824948.0
29	50480	KNORMAL	1	24.9	20.7	1.8	12	29	404886.2	6824134.0
29	50480	MNORMAL	2	28.2	21.9	2.0	11	29	404883.1	6823896.0
29	50480	NNORMAL	4	65.7	19.1	9.7	4	31	404877.9	6823546.5
29	50480	ONORMAL	3	44.9	15.2	7.1	6	34	404873.3	6823318.5
29	50480	PNORMAL	2	19.3	13.2	2.1	1	47	404872.9	6822832.5
29	50480	QNORMAL	2	18.6	12.5	2.1	4	44	404875.3	6822695.0

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LEAGUE

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29	50480	RNORMAL	0	14.7	17.4	0.9	10	32	404852.2	6822355.0
29	50480	SNORMAL	2	48.4	27.3	3.7	3	33	404820.7	6821865.5
29	50480	TNORMAL	2	45.5	31.3	2.8	3	32	404819.9	6821772.5
29	50480	UNORMAL	3	66.2	31.8	5.0	4	29	404822.5	6821588.5
29	50480	VNORMAL	3	76.0	30.6	6.6	8	25	404827.8	6821526.5
29	50480	WNORMAL	3	70.6	40.3	4.1	6	25	404836.0	6821441.0
29	50480	XNORMAL	3	73.7	31.0	6.2	8	24	404844.6	6821323.0
29	50480	YNORMAL	3	84.4	39.4	5.6	4	27	404837.4	6820941.5
29	50490	ANORMAL	2	20.8	13.0	2.4	23	25	404638.0	6821030.5
29	50490	BNORMAL	4	72.7	23.9	8.5	4	30	404640.3	6821150.0
29	50490	CNORMAL	3	27.7	11.7	4.5	18	29	404647.3	6821302.0
29	50490	DNORMAL	3	73.9	35.4	5.2	5	27	404650.7	6821567.5
29	50490	ENORMAL	2	47.8	25.6	3.9	7	30	404651.7	6821773.0
29	50490	FNORMAL	3	21.0	8.6	4.3	12	39	404652.1	6822456.0
29	50490	GNORMAL	2	25.2	11.6	3.9	9	38	404652.0	6822549.0
29	50490	HNORMAL	3	28.4	9.9	5.9	12	36	404658.3	6822833.5
29	50490	JNORMAL	3	54.1	18.4	7.4	9	29	404661.7	6823048.5
29	50490	KNORMAL	4	69.4	20.3	9.7	8	27	404669.8	6823230.5
29	50490	MNORMAL	4	75.0	19.2	11.9	6	28	404674.8	6823319.0
29	50490	NNORMAL	3	67.6	23.7	7.6	4	31	404686.6	6823632.0
29	50490	ONORMAL	1	19.5	15.7	1.7	15	30	404661.0	6824450.5
29	50490	PNORMAL	3	24.5	10.3	4.4	17	32	404668.1	6824664.5
29	50490	QNORMAL	4	37.9	7.1	14.8	15	30	404668.2	6824816.5
29	50490	RNORMAL	4	42.8	8.6	13.9	10	33	404679.0	6824949.0
29	50490	SNORMAL	1	18.0	16.2	1.4	19	25	404711.3	6826425.0
29	50490	TNORMAL	0	6.5	28.9	0.1	3	21	404711.5	6826721.0
29	50490	UNORMAL	2	24.8	18.9	2.0	15	27	404741.6	6831077.0
29	50490	VNORMAL	1	37.3	36.4	1.6	10	23	404741.3	6831236.0
29	50490	WNORMAL	1	35.8	33.0	1.8	11	24	404746.2	6831313.0
29	50490	XNORMAL	1	30.2	27.5	1.7	12	25	404752.9	6831416.0
29	50490	YNORMAL	2	35.1	29.1	2.0	11	25	404761.3	6831615.5
29	50490	ZNORMAL	2	36.8	21.8	3.2	13	26	404773.3	6831744.0
29	50490	AANORMAL	1	27.8	22.3	1.9	12	28	404788.2	6831926.0
29	50490	ABNORMAL	2	25.3	19.1	2.0	13	29	404795.4	6832088.5
29	50490	ACNORMAL	0	16.6	19.8	0.9	24	16	404785.0	6833471.0
29	50490	ADNORMAL	1	19.9	15.3	1.8	14	31	404778.3	6834131.5
29	50490	AENORMAL	2	21.1	11.8	2.8	15	34	404785.8	6834409.0
29	50500	ANORMAL	2	25.0	14.2	3.0	9	37	404618.9	6834526.0
29	50500	BNORMAL	2	30.3	17.0	3.2	8	35	404621.9	6834364.5
29	50500	CNORMAL	2	27.5	15.9	3.0	8	36	404623.8	6834217.0
29	50500	DNORMAL	2	42.2	24.9	3.3	14	24	404602.1	6832161.5
29	50500	ENORMAL	2	38.6	25.6	2.8	9	29	404600.6	6832037.0
29	50500	FNORMAL	2	30.7	23.4	2.1	8	31	404576.2	6831242.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
29	50500	GNORMAL	2	34.0	17.1	3.8	13	29	404476.3	6825274.0
29	50500	HNORMAL	3	42.9	20.0	4.6	9	30	404470.5	6825040.0
29	50500	JNORMAL	4	43.2	11.9	9.2	9	33	404472.8	6824834.0
29	50500	KNORMAL	4	41.7	11.1	9.5	8	35	404473.1	6824745.0
29	50500	MNORMAL	4	80.2	19.5	12.9	2	32	404408.9	6822994.5
29	50500	NNORMAL	4	73.7	23.2	9.0	5	30	404403.4	6822879.5
29	50500	ONORMAL	3	42.8	21.9	4.0	10	28	404376.6	6821655.5
29	50500	PNORMAL	4	83.8	21.6	12.1	7	26	404380.6	6821534.0
29	50500	QNORMAL	3	34.3	14.8	4.7	9	34	404377.1	6821300.0
29	50500	RNORMAL	3	43.6	18.2	5.3	9	31	404379.3	6821186.0
29	50500	SNORMAL	0	6.4	17.7	0.2	2	32	404404.3	6820228.5
29	50500	TNORMAL	0	8.6	15.4	0.4	9	32	404351.4	6818241.5
29	50510	ANORMAL	3	31.3	14.8	4.1	8	35	404213.6	6821151.0
29	50510	BNORMAL	5	127.4	28.2	16.7	1	28	404210.2	6821430.0
29	50510	CNORMAL	3	38.8	17.8	4.5	11	30	404209.7	6821616.5
29	50510	DNORMAL	1	33.5	31.7	1.7	10	25	404230.2	6822270.5
29	50510	ENORMAL	2	44.5	27.8	3.1	16	21	404240.8	6822407.0
29	50510	FNORMAL	3	68.7	31.7	5.4	13	20	404254.3	6822541.0
29	50510	GNORMAL	3	109.5	45.6	7.0	7	21	404258.8	6822729.5
29	50510	HNORMAL	3	125.0	49.4	7.8	8	20	404259.6	6822835.5
29	50510	JNORMAL	3	133.2	55.9	7.4	7	20	404260.1	6822910.5
29	50510	KNORMAL	3	137.4	61.0	6.9	6	20	404257.3	6823033.0
29	50510	MNORMAL	2	57.8	35.4	3.5	11	22	404249.2	6823362.0
29	50510	NNORMAL	2	42.6	28.1	2.9	16	20	404248.1	6823458.0
29	50510	ONORMAL	2	14.8	7.0	3.2	19	38	404254.3	6824271.0
29	50510	PNORMAL	4	73.1	20.4	10.5	12	22	404276.1	6824711.0
29	50510	QNORMAL	4	54.2	15.9	9.0	14	24	404278.7	6824818.0
29	50510	RNORMAL	4	50.8	14.4	9.3	12	27	404282.3	6824902.0
29	50510	SNORMAL	2	24.7	17.7	2.2	13	30	404382.7	6831308.0
29	50510	TNORMAL	2	38.2	32.0	2.0	8	27	404384.4	6831471.0
29	50510	UNORMAL	1	23.2	25.4	1.2	14	23	404374.5	6831714.0
29	50510	VNORMAL	1	22.6	20.8	1.5	13	27	404359.9	6831972.5
29	50510	WNORMAL	1	25.2	20.3	1.9	11	30	404355.2	6832141.5
29	50510	XNORMAL	1	20.9	17.5	1.6	14	29	404359.3	6832462.5
29	50510	YNORMAL	2	25.9	12.2	3.8	15	32	404399.8	6833862.5
29	50510	ZNORMAL	3	29.7	14.1	4.0	6	39	404416.4	6834310.0
29	50510	AANORMAL	2	33.2	21.9	2.7	8	32	404428.2	6834519.0
29	50510	ABNORMAL	2	43.4	31.9	2.5	9	26	404440.0	6834798.0
29	50510	ACNORMAL	2	35.6	27.7	2.2	13	24	404437.9	6835040.0
29	50510	ADNORMAL	1	27.6	23.6	1.8	13	25	404424.8	6835179.0
29	50510	AENORMAL	2	36.6	22.5	3.0	12	27	404427.1	6838708.5
29	50510	AFNORMAL	2	23.0	12.5	3.0	24	23	404438.0	6838881.0
31	50520	ANORMAL	2	27.0	19.0	2.3	21	21	404274.8	6838877.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
31	50520	BNORMAL	1	26.8	24.3	1.6	11	28	404261.7	6838689.0
31	50520	CNORMAL	1	16.9	13.4	1.6	12	36	404180.3	6835291.0
31	50520	DNORMAL	2	21.9	11.8	3.0	9	40	404170.8	6834801.0
31	50520	ENORMAL	2	23.3	11.6	3.4	8	40	404159.3	6834402.0
31	50520	FNORMAL	2	27.4	12.9	3.9	7	39	404160.6	6834243.0
31	50520	GNORMAL	3	30.2	11.9	5.1	11	34	404160.0	6833928.5
31	50520	HNORMAL	3	40.2	12.7	7.5	11	32	404167.2	6833698.5
31	50520	JNORMAL	1	22.2	19.6	1.6	8	33	404153.8	6832440.0
31	50520	KNORMAL	2	60.7	43.3	2.9	5	26	404159.1	6832263.5
31	50520	MNORMAL	1	50.4	50.0	1.8	7	22	404156.6	6832144.0
31	50520	NNORMAL	1	50.0	47.1	1.9	10	21	404159.3	6831956.0
31	50520	ONORMAL	2	50.9	37.7	2.6	12	21	404158.3	6831806.0
31	50520	PNORMAL	2	54.5	39.8	2.7	7	25	404150.4	6831630.0
31	50520	QNORMAL	2	51.0	39.7	2.5	8	25	404149.3	6831526.0
31	50520	RNORMAL	2	19.9	11.0	2.8	9	41	404040.1	6823672.5
31	50520	SNORMAL	1	16.0	17.0	1.1	9	34	404035.8	6823208.0
31	50520	TNORMAL	2	29.5	19.7	2.5	9	32	404035.3	6822974.0
31	50520	UNORMAL	2	35.8	23.5	2.7	5	34	404037.9	6822780.5
31	50520	VNORMAL	3	37.0	16.8	4.5	12	30	404025.9	6822164.5
31	50520	WNORMAL	3	34.3	15.2	4.6	14	29	404025.0	6822049.5
31	50520	XNORMAL	2	34.5	17.8	3.7	13	28	404014.8	6821874.0
31	50520	YNORMAL	3	56.5	21.0	6.7	9	28	404009.4	6821773.5
31	50520	ZNORMAL	4	59.6	18.0	8.9	4	33	403988.4	6821431.5
31	50520	AANORMAL	3	51.7	18.8	6.7	5	34	403983.1	6821369.0
31	50530	ANORMAL	2	31.7	23.7	2.2	15	24	403852.7	6821367.5
31	50530	BNORMAL	3	76.8	29.0	7.2	12	21	403856.2	6821463.0
31	50530	CNORMAL	4	165.5	52.7	11.2	8	18	403865.8	6821655.5
31	50530	DNORMAL	3	71.0	34.5	5.1	15	17	403873.4	6821808.5
31	50530	ENORMAL	2	61.2	35.3	3.9	14	19	403877.2	6821899.5
31	50530	FNORMAL	3	89.0	43.7	5.3	8	22	403876.8	6822161.0
31	50530	GNORMAL	2	41.1	33.5	2.2	15	20	403865.6	6822468.5
31	50530	HNORMAL	2	29.5	18.0	2.8	12	31	403858.3	6822880.5
31	50530	JNORMAL	2	36.8	24.1	2.8	8	30	403870.6	6823533.0
31	50530	KNORMAL	2	32.5	25.8	2.1	18	20	403892.2	6824685.5
31	50530	MNORMAL	2	44.1	29.7	2.8	14	22	403995.6	6831684.0
31	50530	NNORMAL	2	68.8	50.0	3.0	9	21	404006.3	6831840.5
31	50530	ONORMAL	2	54.4	44.0	2.4	11	20	404011.5	6831993.5
31	50530	PNORMAL	2	65.9	53.8	2.5	12	17	404018.3	6832150.5
31	50530	QNORMAL	2	63.1	43.1	3.1	11	20	404023.1	6832295.0
31	50530	RNORMAL	2	28.0	21.5	2.0	11	30	404024.1	6832475.5
31	50530	SNORMAL	2	31.4	22.5	2.3	16	23	404000.1	6833873.5
31	50530	TNORMAL	2	38.5	31.4	2.1	9	26	404005.6	6834531.0
31	50530	UNORMAL	2	35.7	28.4	2.1	10	27	404014.0	6834645.0
31	50530	VNORMAL	2	38.5	29.0	2.3	9	27	404023.4	6834764.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
31	50530	WNORMAL	1	22.8	19.3	1.7	12	30	404024.7	6835266.5
31	50530	XNORMAL	1	21.0	18.6	1.5	11	31	404026.9	6835417.5
31	50530	YNORMAL	1	14.6	11.3	1.6	8	43	404037.8	6838458.5
31	50530	ZNORMAL	0	15.6	24.3	0.6	7	28	404050.8	6838817.5
31	50540	ANORMAL	1	13.4	13.3	1.1	6	41	403869.4	6838477.0
31	50540	BNORMAL	1	39.2	34.7	1.9	9	25	403830.8	6834877.5
31	50540	CNORMAL	2	49.5	40.7	2.3	8	24	403836.2	6834642.0
31	50540	DNORMAL	2	50.1	36.8	2.6	9	25	403818.0	6833937.5
31	50540	ENORMAL	3	63.6	33.9	4.3	14	19	403815.2	6833784.0
31	50540	FNORMAL	2	52.8	43.6	2.3	11	20	403813.2	6833551.0
31	50540	GNORMAL	2	53.6	41.4	2.5	10	22	403812.0	6833436.5
31	50540	HNORMAL	2	56.0	35.9	3.3	11	23	403805.0	6833266.5
31	50540	JNORMAL	2	47.4	25.5	3.9	10	27	403801.7	6833088.5
31	50540	KNORMAL	2	46.6	30.2	3.0	9	26	403797.3	6832851.0
31	50540	MNORMAL	1	28.8	26.8	1.6	12	25	403794.3	6832774.0
31	50540	NNORMAL	1	44.9	41.7	1.9	10	22	403781.3	6832342.0
31	50540	ONORMAL	1	41.1	36.8	1.9	14	19	403776.2	6832239.0
31	50540	PNORMAL	2	35.5	29.2	2.0	17	19	403770.8	6832061.5
31	50540	QNORMAL	1	29.0	23.8	1.9	18	20	403769.5	6831971.5
31	50540	RNORMAL	0	5.8	11.5	0.3	16	28	403768.9	6831563.0
31	50540	SNORMAL	1	17.1	12.8	1.8	14	34	403672.8	6824625.5
31	50540	TNORMAL	2	35.0	20.7	3.1	9	31	403662.8	6824295.5
31	50540	UNORMAL	2	31.2	24.1	2.1	8	31	403668.5	6824155.0
31	50540	VNORMAL	2	45.6	31.2	2.8	8	27	403652.8	6823039.0
31	50540	WNORMAL	1	25.9	28.4	1.2	13	23	403649.0	6822745.5
31	50540	XNORMAL	1	30.3	29.6	1.5	13	23	403651.0	6822636.5
31	50540	YNORMAL	1	26.0	24.0	1.6	15	23	403651.8	6822530.5
31	50540	ZNORMAL	2	32.9	25.9	2.1	15	23	403650.0	6822257.5
31	50540	AANORMAL	3	67.3	37.9	4.1	14	18	403656.8	6821923.0
31	50540	ABNORMAL	3	119.0	72.3	4.4	10	16	403657.1	6821730.5
31	50540	ACNORMAL	3	121.2	61.3	5.6	11	15	403660.7	6821675.5
31	50540	ADNORMAL	4	85.2	20.1	13.7	7	27	403668.6	6821417.0
31	50540	AENORMAL	3	61.2	21.6	7.3	8	28	403668.7	6821282.0
31	50550	ANORMAL	0	6.4	20.2	0.1	10	21	403427.5	6820076.5
31	50550	BNORMAL	3	32.8	15.6	4.1	10	33	403427.9	6821123.5
31	50550	CNORMAL	4	91.2	23.9	12.2	5	27	403435.3	6821352.0
31	50550	DNORMAL	2	40.9	27.7	2.8	13	23	403437.5	6821595.0
31	50550	ENORMAL	1	27.6	22.2	1.9	15	24	403431.5	6821851.5
31	50550	FNORMAL	4	134.8	36.7	12.9	6	22	403432.5	6822873.0
31	50550	GNORMAL	2	40.3	24.8	3.1	16	22	403437.7	6823142.0
31	50550	HNORMAL	1	23.0	22.2	1.4	6	34	403445.9	6824288.0
31	50550	JNORMAL	2	43.9	30.3	2.8	10	26	403460.2	6824479.5
31	50550	KNORMAL	1	20.6	23.5	1.1	11	27	403470.7	6824593.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
31	50550	MNORMAL	0	6.1	15.3	0.2	11	25	403539.3	6831628.0
31	50550	NNORMAL	2	41.8	31.5	2.4	11	24	403555.3	6832455.0
31	50550	ONORMAL	0	15.4	18.9	0.9	12	28	403547.1	6832710.0
31	50550	PNORMAL	1	40.3	38.4	1.7	9	23	403541.3	6832972.0
31	50550	QNORMAL	2	89.1	77.5	2.6	7	18	403557.1	6833307.5
31	50550	RNORMAL	2	96.6	83.7	2.7	8	16	403564.3	6833448.0
31	50550	SNORMAL	2	90.3	74.5	2.8	10	16	403567.5	6833511.5
31	50550	TNORMAL	1	43.9	48.5	1.5	12	18	403572.2	6833853.5
31	50550	UNORMAL	1	48.1	46.8	1.8	12	18	403569.5	6833895.5
31	50550	VNORMAL	1	49.6	50.9	1.7	9	20	403565.2	6833971.0
31	50550	WNORMAL	1	35.4	35.9	1.5	9	24	403564.6	6834107.0
31	50550	XNORMAL	2	69.2	51.0	2.9	8	22	403565.2	6834238.5
31	50550	YNORMAL	2	54.4	46.5	2.2	11	20	403570.8	6834370.5
31	50550	ZNORMAL	1	46.2	46.0	1.7	10	21	403584.7	6834573.0
31	50550	AANORMAL	1	46.2	49.9	1.6	12	17	403589.5	6834714.5
31	50550	ABNORMAL	1	46.5	43.2	1.9	10	22	403595.5	6835030.0
31	50550	ACNORMAL	1	47.5	46.6	1.8	11	19	403583.9	6835169.0
31	50550	ADNORMAL	1	44.0	45.6	1.6	11	20	403567.8	6835384.5
31	50550	AENORMAL	1	42.0	42.7	1.6	13	19	403554.7	6835639.5
31	50550	AFNORMAL	1	45.7	42.6	1.9	13	18	403559.6	6835727.5
31	50550	AGNORMAL	1	32.3	34.0	1.4	13	21	403577.4	6835967.0
31	50560	ANORMAL	2	38.8	27.9	2.5	9	28	403422.6	6835736.5
31	50560	BNORMAL	1	39.3	37.2	1.7	11	22	403414.4	6835508.5
31	50560	CNORMAL	2	60.3	45.9	2.7	10	21	403401.3	6835188.5
31	50560	DNORMAL	3	77.8	40.3	4.8	10	22	403400.1	6835123.0
31	50560	ENORMAL	2	52.5	33.4	3.2	12	22	403398.5	6834992.5
31	50560	FNORMAL	1	35.5	36.6	1.5	9	24	403394.0	6834673.5
31	50560	GNORMAL	1	46.5	44.5	1.8	10	21	403392.4	6834564.5
31	50560	HNORMAL	1	51.8	59.8	1.5	8	19	403389.8	6834462.5
31	50560	JNORMAL	2	52.1	42.6	2.3	10	21	403387.1	6834307.5
31	50560	KNORMAL	2	48.8	34.0	2.8	10	24	403385.8	6834232.0
31	50560	MNORMAL	2	46.2	40.1	2.1	11	21	403370.9	6833699.5
31	50560	NNORMAL	2	51.8	42.0	2.4	11	21	403361.0	6833460.5
31	50560	ONORMAL	2	33.0	25.2	2.2	14	24	403355.8	6833332.0
31	50560	PNORMAL	1	17.7	14.1	1.7	12	35	403354.9	6832688.0
31	50560	QNORMAL	2	27.8	20.3	2.2	14	27	403366.6	6832489.0
31	50560	RNORMAL	0	5.8	9.4	0.4	19	30	403352.8	6831578.0
31	50560	SNORMAL	1	17.9	13.7	1.8	14	33	403251.0	6824891.5
31	50560	TNORMAL	2	34.9	23.1	2.7	15	25	403260.7	6824665.0
31	50560	UNORMAL	2	24.3	17.5	2.1	17	26	403264.5	6824451.5
31	50560	VNORMAL	1	30.9	34.9	1.3	9	24	403266.9	6824329.0
31	50560	WNORMAL	0	10.8	22.6	0.3	15	19	403268.6	6824121.0
31	50560	XNORMAL	1	23.2	18.6	1.8	21	22	403267.6	6823755.0
31	50560	YNORMAL	4	31.4	7.0	11.1	26	21	403263.8	6823300.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
31	50560	ZNORMAL	4	36.2	9.1	9.8	18	26	403263.9	6823160.0
31	50560	AANORMAL	4	69.9	15.6	13.9	11	24	403262.2	6822921.5
31	50560	ABNORMAL	3	86.4	35.7	6.6	13	19	403241.3	6822610.0
31	50560	ACNORMAL	3	80.4	32.7	6.6	12	20	403234.9	6822533.0
31	50560	ADNORMAL	3	58.7	27.0	5.1	10	26	403220.7	6822365.5
31	50560	AENORMAL	2	49.5	27.8	3.7	14	22	403218.0	6822275.5
31	50560	AFNORMAL	3	56.0	24.2	5.5	14	22	403217.1	6822186.0
31	50560	AGNORMAL	4	177.6	53.6	12.2	15	10	403206.3	6821895.0
31	50560	AHNORMAL	5	130.4	31.1	15.2	16	12	403204.8	6821773.5
31	50560	AJNORMAL	4	104.3	38.7	8.0	8	22	403208.7	6821545.5
31	50560	AKNORMAL	3	38.5	17.6	4.5	8	33	403220.1	6821247.0
32	50620	ANORMAL	1	30.9	30.5	1.5	12	23	402174.2	6834572.5
32	50620	BNORMAL	0	12.1	20.0	0.5	11	26	402202.6	6834327.5
32	50620	CNORMAL	0	12.4	15.8	0.7	11	32	402198.4	6833535.5
32	50620	DNORMAL	1	13.9	14.8	1.0	9	36	402165.2	6833021.0
32	50620	ENORMAL	2	41.1	26.8	2.9	5	32	402152.0	6831675.0
32	50620	FNORMAL	2	22.0	13.6	2.5	10	37	402158.9	6831443.0
32	50620	GNORMAL	1	27.5	29.2	1.3	15	20	402091.2	6829329.5
32	50620	HNORMAL	1	25.0	29.6	1.1	18	17	402088.5	6829181.5
32	50620	JNORMAL	1	22.0	20.2	1.5	13	28	402069.7	6827431.5
32	50620	KNORMAL	1	17.1	13.0	1.7	23	25	402040.4	6826772.5
32	50620	MNORMAL	1	16.0	17.8	1.0	16	26	402052.6	6826413.0
32	50630	ANORMAL	1	16.9	14.3	1.5	13	34	401864.5	6826475.0
32	50630	BNORMAL	2	32.1	24.1	2.2	13	26	401891.8	6827929.5
32	50630	CNORMAL	1	30.0	32.1	1.3	15	19	401916.4	6829166.5
32	50630	DNORMAL	1	37.6	32.8	1.9	15	19	401918.1	6829256.0
32	50630	ENORMAL	1	33.4	29.3	1.8	16	20	401921.5	6829328.5
32	50630	FNORMAL	2	25.3	16.8	2.4	2	41	401950.2	6831911.5
32	50630	GNORMAL	1	20.8	15.5	1.9	9	36	401939.2	6832054.0
32	50630	HNORMAL	0	12.6	17.6	0.7	17	23	401946.4	6832905.0
32	50630	JNORMAL	0	15.2	23.6	0.6	9	27	401952.6	6833636.5
32	50630	KNORMAL	0	20.9	31.5	0.7	8	25	401967.1	6833800.0
32	50630	MNORMAL	0	15.5	27.9	0.5	11	22	401985.8	6834410.5
32	50640	ANORMAL	0	14.7	36.3	0.3	11	16	401799.6	6834353.0
32	50640	BNORMAL	0	7.6	23.6	0.1	14	16	401797.5	6834200.0
32	50640	CNORMAL	0	7.3	19.0	0.2	15	19	401793.8	6833773.0
32	50640	DNORMAL	2	28.9	20.5	2.3	7	34	401767.6	6831897.0
32	50640	ENORMAL	1	24.0	21.1	1.6	15	25	401766.6	6831753.5
32	50640	FNORMAL	1	25.2	22.3	1.6	20	19	401767.2	6831656.0
32	50640	GNORMAL	0	8.9	13.2	0.5	20	24	401709.3	6830741.5
32	50640	HNORMAL	1	21.6	23.0	1.2	19	19	401702.4	6830419.5
32	50640	JNORMAL	1	21.0	20.5	1.3	22	18	401709.7	6830333.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
32	50640	KNORMAL	2	32.5	25.8	2.1	13	24	401711.2	6829259.0
32	50650	ANORMAL	1	15.5	15.9	1.1	16	28	401436.8	6827170.5
32	50650	BNORMAL	0	17.7	27.7	0.6	12	21	401492.9	6828043.5
32	50650	CNORMAL	1	41.6	46.3	1.4	13	17	401498.1	6828896.0
32	50650	DNORMAL	1	50.6	50.9	1.8	13	16	401515.8	6829097.0
32	50650	ENORMAL	2	59.4	45.1	2.7	13	18	401523.3	6829185.5
32	50650	FNORMAL	2	35.3	27.6	2.2	18	19	401546.3	6829376.5
32	50650	GNORMAL	1	30.1	26.9	1.7	18	19	401557.6	6829515.5
32	50650	HNORMAL	2	34.8	27.6	2.1	15	22	401560.4	6829655.5
32	50650	JNORMAL	2	34.9	25.5	2.4	15	23	401563.1	6829795.0
32	50650	KNORMAL	2	34.0	23.3	2.5	17	22	401562.4	6829902.5
32	50650	MNORMAL	2	26.7	20.7	2.0	22	19	401536.1	6830292.0
32	50650	NNORMAL	0	6.7	13.1	0.3	3	39	401505.9	6832177.5
32	50650	ONORMAL	0	10.2	19.8	0.4	9	28	401498.6	6832330.0
32	50650	PNORMAL	1	17.8	17.8	1.2	10	33	401484.6	6832593.0
32	50650	QNORMAL	0	9.5	18.3	0.4	15	23	401548.8	6833936.0
32	50660	ANORMAL	0	10.5	17.5	0.5	12	27	401382.4	6834017.5
32	50660	BNORMAL	1	23.5	30.2	1.0	13	21	401356.8	6831701.5
32	50660	CNORMAL	2	48.7	41.8	2.1	16	16	401343.3	6831349.5
32	50660	DNORMAL	2	34.1	22.0	2.8	17	23	401333.0	6830319.5
32	50660	ENORMAL	2	32.7	27.1	2.0	15	22	401318.7	6829432.5
32	50660	FNORMAL	2	42.8	36.3	2.1	13	20	401321.6	6829271.5
32	50660	GNORMAL	1	37.2	37.8	1.6	11	21	401288.9	6827246.0
33	50672	ANORMAL	0	8.3	15.2	0.4	23	18	401189.0	6835396.5
33	50672	BNORMAL	0	7.8	17.0	0.3	13	24	401148.8	6832224.0
33	50672	CNORMAL	0	17.0	22.9	0.8	19	18	401147.6	6831848.5
33	50672	DNORMAL	0	16.1	21.8	0.8	18	19	401148.0	6831792.5
33	50672	ENORMAL	2	38.6	22.8	3.2	13	26	401170.0	6831237.5
33	50672	FNORMAL	2	31.5	19.1	2.9	14	28	401165.4	6831082.0
33	50672	GNORMAL	1	23.0	18.8	1.8	14	29	401164.0	6830547.0
33	50672	HNORMAL	2	24.0	17.8	2.0	10	33	401148.1	6829536.0
33	50672	JNORMAL	1	17.5	19.3	1.0	6	35	401134.0	6829242.5
33	50672	KNORMAL	0	9.2	16.9	0.4	5	34	401112.8	6828029.5
33	50672	MNORMAL	0	10.9	19.9	0.4	9	27	401108.3	6827878.0
33	50672	NNORMAL	2	52.6	40.1	2.6	4	28	401088.9	6827240.0
33	50672	ONORMAL	2	54.7	42.0	2.6	6	26	401093.0	6827185.5
33	50672	PNORMAL	2	32.7	26.1	2.1	17	21	401099.7	6827074.0
34	50681	ANORMAL	1	22.2	27.4	1.0	14	21	400971.0	6831991.5
34	50681	BNORMAL	1	16.6	16.5	1.2	20	24	400961.8	6831803.0
34	50681	CNORMAL	1	31.4	27.5	1.8	16	21	400947.3	6831323.5
34	50681	DNORMAL	0	18.6	30.8	0.6	10	22	400912.1	6829388.5

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FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
34	50681	ENORMAL	0	14.7	24.0	0.6	14	21	400909.0	6829271.0
34	50681	FNORMAL	0	12.6	26.8	0.3	4	27	400886.8	6828367.5
34	50681	GNORMAL	2	27.1	19.0	2.3	5	37	400866.5	6826612.0
34	50690	ANORMAL	0	22.6	29.3	0.9	9	26	400717.9	6827509.0
34	50690	BNORMAL	1	26.2	30.7	1.1	13	21	400721.3	6827655.5
34	50690	CNORMAL	0	23.2	35.4	0.7	11	20	400737.2	6828888.5
34	50690	DNORMAL	0	7.4	14.0	0.3	18	23	400739.2	6829014.0
34	50690	ENORMAL	1	20.6	16.0	1.8	17	28	400751.6	6829305.0
34	50690	FNORMAL	0	13.3	23.6	0.5	8	27	400753.9	6829486.5
34	50690	GNORMAL	1	18.9	16.5	1.5	12	33	400759.0	6831876.5
34	50690	HNORMAL	1	22.0	18.8	1.6	10	33	400764.3	6832087.5
34	50700	ANORMAL	1	30.5	38.5	1.1	12	19	400597.8	6831988.0
34	50700	BNORMAL	1	27.2	23.1	1.8	14	26	400570.3	6829376.0
34	50700	CNORMAL	1	31.4	34.1	1.3	8	25	400569.2	6829252.0
34	50700	DNORMAL	1	28.0	32.5	1.2	11	23	400569.6	6829120.5
34	50700	ENORMAL	1	33.6	34.9	1.5	12	21	400563.3	6829034.5
34	50700	FNORMAL	0	25.2	41.6	0.7	10	19	400552.8	6828938.0
34	50700	GNORMAL	0	22.8	35.4	0.7	13	18	400544.5	6828862.0
34	50710	ANORMAL	2	47.5	28.8	3.3	8	28	400267.0	6828690.0
34	50710	BNORMAL	1	32.9	36.6	1.3	14	18	400263.6	6828936.0
34	50710	CNORMAL	1	32.7	35.6	1.4	15	18	400265.5	6829029.0
34	50710	DNORMAL	1	34.7	29.7	1.9	17	19	400281.1	6829570.0
34	50710	ENORMAL	2	49.3	40.8	2.3	14	18	400288.9	6829812.5
34	50710	FNORMAL	2	44.2	32.3	2.6	17	18	400292.6	6829952.0
34	50710	GNORMAL	3	66.3	34.1	4.6	13	20	400294.2	6830194.5
34	50710	HNORMAL	3	65.3	34.6	4.4	15	18	400296.8	6830283.5
34	50710	JNORMAL	0	17.1	25.8	0.7	14	21	400303.1	6830770.0
34	50710	KNORMAL	2	39.5	34.2	2.0	12	22	400317.1	6831100.0
34	50710	MNORMAL	2	55.0	39.9	2.8	11	22	400329.4	6831486.5
34	50710	NNORMAL	1	28.3	28.2	1.4	15	21	400331.8	6831616.5
34	50710	ONORMAL	0	14.9	23.6	0.6	14	22	400338.4	6831713.5
34	50710	PNORMAL	0	7.2	14.5	0.3	12	28	400347.6	6831898.0
34	50710	QNORMAL	0	8.3	22.9	0.2	11	20	400344.8	6832167.0
34	50710	RNORMAL	0	10.2	22.3	0.3	16	18	400352.0	6832315.0
34	50710	SNORMAL	0	13.9	25.6	0.5	11	22	400356.0	6832554.5
34	50710	TNORMAL	1	26.5	30.1	1.2	13	22	400374.1	6835283.5
34	50710	UNORMAL	2	42.5	31.0	2.5	14	22	400376.8	6835423.0
34	50710	VNORMAL	1	16.3	17.2	1.1	15	28	400377.3	6835595.5
34	50720	ANORMAL	0	25.3	47.4	0.6	7	20	400170.5	6835764.5
34	50720	BNORMAL	0	16.6	35.4	0.4	8	21	400180.8	6835540.0
34	50720	CNORMAL	2	21.6	15.4	2.1	3	43	400155.8	6833655.0

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
34	50720	DNORMAL	2	32.8	20.9	2.8	15	25	400150.0	6833483.5
34	50720	ENORMAL	0	19.1	42.3	0.4	14	13	400163.5	6832908.5
34	50720	FNORMAL	0	19.1	36.6	0.5	15	14	400167.1	6832383.0
34	50720	GNORMAL	0	22.2	41.3	0.6	15	13	400158.5	6832262.0
34	50720	HNORMAL	0	23.8	34.0	0.8	13	19	400144.4	6831729.5
34	50720	JNORMAL	1	25.2	31.1	1.0	19	15	400149.6	6831611.5
34	50720	KNORMAL	3	155.6	69.5	7.1	16	9	400132.3	6830308.0
34	50720	MNORMAL	3	104.2	49.2	5.9	17	11	400134.8	6830212.5
34	50720	NNORMAL	3	99.7	41.2	6.9	14	15	400150.3	6829887.0
34	50720	ONORMAL	4	79.5	27.5	8.1	16	17	400154.9	6829781.5
34	50720	PNORMAL	3	87.0	52.4	4.1	10	18	400164.4	6829537.5
34	50720	QNORMAL	2	76.3	48.0	3.7	12	18	400164.8	6829410.5
34	50720	RNORMAL	2	52.3	43.5	2.3	12	20	400165.3	6829289.0
34	50720	SNORMAL	2	44.8	32.6	2.6	14	21	400165.7	6829137.5
34	50720	TNORMAL	1	35.2	30.8	1.9	15	21	400162.2	6829018.5
34	50720	UNORMAL	2	78.3	49.3	3.7	11	19	400151.8	6828687.5
34	50720	VNORMAL	3	85.1	48.5	4.4	12	18	400151.4	6828622.0
34	50720	WNORMAL	2	50.9	41.0	2.4	12	20	400151.4	6828444.0
34	50720	XNORMAL	2	44.4	34.1	2.4	13	22	400149.2	6828316.0
34	50730	ANORMAL	3	72.1	37.6	4.6	13	19	399960.8	6830454.0
34	50730	BNORMAL	3	87.9	35.1	7.0	13	18	399957.3	6830608.0
34	50730	CNORMAL	3	52.1	27.9	4.1	15	21	399942.6	6830963.0
34	50730	DNORMAL	3	68.0	31.3	5.4	8	25	399942.4	6831475.0
34	50730	ENORMAL	3	61.9	31.9	4.5	13	21	399946.9	6831632.0
34	50730	FNORMAL	2	49.6	28.9	3.6	13	23	399947.3	6831736.0
34	50730	GNORMAL	1	23.4	29.1	1.0	12	23	399944.3	6832440.5
34	50730	HNORMAL	0	19.1	23.7	0.9	12	26	399941.0	6832568.5
34	50730	JNORMAL	1	30.7	35.3	1.2	5	27	399948.4	6833252.5
34	50730	KNORMAL	2	27.3	20.9	2.0	7	34	399948.8	6833579.5
34	50730	MNORMAL	3	31.6	12.1	5.4	5	40	399972.9	6834396.0
34	50730	NNORMAL	3	36.0	11.2	7.4	16	28	399960.5	6834585.0
34	50730	ONORMAL	0	15.1	39.4	0.3	4	22	399994.8	6835956.0
34	50740	ANORMAL	2	52.3	31.2	3.5	0	37	399785.1	6834807.0
34	50740	BNORMAL	4	75.7	24.0	9.0	8	26	399786.3	6834553.5
34	50740	CNORMAL	2	53.8	34.5	3.2	13	21	399802.9	6834147.0
34	50740	DNORMAL	2	62.7	36.4	3.9	12	20	399802.9	6834105.0
34	50740	ENORMAL	2	40.2	26.0	2.9	16	22	399803.7	6833964.5
34	50740	FNORMAL	1	30.6	34.7	1.3	9	24	399792.5	6833273.0
34	50740	GNORMAL	2	48.4	37.8	2.4	13	20	399821.4	6832675.5
34	50740	HNORMAL	1	45.8	48.4	1.6	11	19	399821.7	6832593.5
34	50740	JNORMAL	0	28.5	51.9	0.6	7	19	399816.0	6832468.5
34	50740	KNORMAL	2	49.0	32.6	3.0	9	26	399763.1	6831577.0
34	50740	MNORMAL	2	48.2	29.6	3.3	9	26	399757.0	6831284.5

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LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
34	50740	NNORMAL	2	33.3	26.4	2.1	20	17	399743.4	6830814.5
34	50750	ANORMAL	2	37.9	26.6	2.6	11	27	399545.2	6831499.5
34	50750	BNORMAL	2	52.3	32.6	3.3	10	24	399544.7	6831594.5
34	50750	CNORMAL	0	7.5	20.0	0.2	8	25	399543.2	6832926.5
34	50750	DNORMAL	0	12.5	23.7	0.4	5	29	399545.1	6833026.0
34	50750	ENORMAL	1	36.5	45.7	1.2	7	22	399600.1	6833408.0
34	50750	FNORMAL	1	44.9	48.1	1.6	9	21	399604.4	6833444.5
34	50750	GNORMAL	2	35.1	20.7	3.1	18	22	399612.1	6833564.0
34	50750	HNORMAL	3	42.4	19.5	4.6	14	26	399615.7	6833648.5
34	50750	JNORMAL	3	80.1	43.0	4.6	11	19	399617.6	6833810.5
34	50750	KNORMAL	3	111.2	69.2	4.2	13	14	399612.8	6833973.0
34	50750	MNORMAL	3	108.1	66.7	4.2	13	14	399611.1	6834013.5
34	50750	NNORMAL	3	70.5	37.5	4.5	16	16	399606.7	6834102.0
34	50750	ONORMAL	2	22.0	9.9	3.9	11	39	399591.3	6835158.5
34	50750	PNORMAL	1	10.7	10.1	1.1	14	38	399625.5	6835800.0
34	50760	ANORMAL	3	32.5	13.8	4.7	0	47	399424.4	6835319.5
34	50760	BNORMAL	2	25.8	16.4	2.6	13	31	399423.3	6834698.5
34	50760	CNORMAL	0	11.8	16.5	0.6	12	30	399419.2	6834619.0
34	50760	DNORMAL	3	102.3	65.2	4.0	15	12	399418.4	6833642.0
34	50760	ENORMAL	3	131.6	64.3	6.0	13	13	399418.9	6833608.0
34	50760	FNORMAL	2	40.8	34.5	2.1	17	17	399419.0	6833430.0
34	50760	GNORMAL	0	6.4	14.8	0.2	14	24	399417.0	6833293.0
34	50760	HNORMAL	0	8.5	13.1	0.5	17	27	399363.9	6832092.5
34	50770	ANORMAL	0	13.5	23.4	0.5	16	19	399201.0	6832649.5
34	50770	BNORMAL	3	36.2	15.5	4.9	7	35	399156.4	6833319.0
34	50770	CNORMAL	3	120.3	57.5	6.1	4	23	399145.8	6833432.0
34	50770	DNORMAL	3	153.3	74.2	6.4	9	16	399141.1	6833526.0
34	50770	ENORMAL	3	56.6	28.8	4.4	14	21	399136.4	6833719.5
34	50770	FNORMAL	1	18.4	17.9	1.3	10	32	399208.5	6835018.0
34	50770	GNORMAL	1	17.3	12.2	1.9	23	26	399196.8	6835396.5
34	50780	ANORMAL	0	9.8	18.9	0.4	18	19	398990.8	6835190.0
34	50780	BNORMAL	1	13.1	13.5	1.0	23	24	398971.7	6834459.0
34	50780	CNORMAL	2	23.8	17.4	2.1	24	19	398981.9	6833949.5
34	50780	DNORMAL	3	105.5	58.1	4.9	13	15	398952.8	6833517.0
34	50780	ENORMAL	3	106.1	54.5	5.3	12	16	398956.8	6833456.0
34	50780	FNORMAL	3	67.5	32.6	5.0	11	22	398960.0	6833373.0
34	50780	GNORMAL	3	48.2	20.8	5.2	13	25	398960.8	6833295.5
34	50780	HNORMAL	2	45.1	28.8	3.1	14	22	398963.9	6833135.5
34	50780	JNORMAL	2	33.8	25.7	2.2	18	19	398965.0	6833028.5
34	50780	KNORMAL	3	65.2	27.9	5.8	11	23	398951.1	6832781.5
34	50790	ANORMAL	3	53.7	25.9	4.7	7	29	398757.3	6832826.0

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

LEAGUE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
34	50790	BNORMAL	4	96.5	34.6	8.2	6	25	398759.3	6832928.5
34	50790	CNORMAL	4	103.3	36.9	8.4	6	24	398760.3	6832983.5
34	50790	DNORMAL	3	108.3	42.8	7.5	6	23	398766.3	6833091.5
34	50790	ENORMAL	3	104.1	53.4	5.3	10	18	398778.1	6833251.0
34	50790	FNORMAL	3	97.9	48.1	5.5	11	18	398780.6	6833303.5
34	50790	GNORMAL	3	91.7	51.5	4.5	11	18	398783.6	6833381.0
34	50790	HNORMAL	3	108.1	63.0	4.6	10	17	398786.1	6833433.0
34	50790	JNORMAL	3	94.9	40.6	6.5	15	15	398792.2	6833560.0
34	50800	ANORMAL	2	70.2	43.9	3.6	11	19	398599.6	6833738.5
34	50800	BNORMAL	2	90.1	58.3	3.8	12	16	398599.0	6833640.5
34	50800	CNORMAL	2	47.2	27.4	3.5	15	21	398597.7	6833453.0
34	50800	DNORMAL	3	48.5	23.1	4.6	15	22	398599.4	6833367.0
34	50800	ENORMAL	2	59.5	34.8	3.8	10	23	398601.8	6833250.5
34	50800	FNORMAL	3	59.2	30.9	4.4	13	21	398602.3	6833089.5
34	50800	GNORMAL	4	131.3	37.1	12.2	11	17	398599.0	6832834.5
34	50800	HNORMAL	2	23.3	14.9	2.5	24	21	398604.8	6832713.5
34	50810	ANORMAL	4	49.4	15.3	8.2	16	24	398410.5	6832981.5
34	50810	BNORMAL	4	62.0	15.3	11.8	9	29	398429.9	6833104.0
34	50820	ANORMAL	4	126.1	46.7	8.5	10	18	398219.1	6833314.0
34	50820	BNORMAL	3	101.5	47.5	5.9	10	19	398218.6	6833232.0
34	50820	CNORMAL	2	62.1	36.7	3.8	14	19	398199.8	6833026.0
34	50830	ANORMAL	2	23.5	15.8	2.3	27	17	397994.0	6833528.0
34	50830	BNORMAL	1	21.0	15.6	1.9	23	22	398024.9	6833631.0

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OFFSIDE

FLIGHT	LINE	ANOMALY CATEGORY		AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
9	20060	ANORMAL	0	1.6	9.2	0.0	6	28	432564.7	6808107.5
9	20060	BNORMAL	0	2.4	14.8	0.0	11	17	432891.3	6808374.5
9	20130	ANORMAL	0	0.7	6.7	0.0	3	29	434570.9	6807735.5
9	20130	BNORMAL	0	0.6	7.9	0.0	2	25	434499.3	6807679.0
9	20150	ANORMAL	0	0.1	4.1	0.0	0	35	434350.2	6807172.0
9	20150	BNORMAL	0	0.7	3.5	0.0	6	44	434170.5	6807026.5
9	20180	ANORMAL	0	1.2	4.6	0.0	27	23	434836.9	6806764.0
9	20190	ANORMAL	0	1.6	3.9	0.1	14	47	434785.1	6806409.5
9	20200	ANORMAL	0	3.3	13.0	0.0	7	28	434167.8	6805791.5
9	20200	BNORMAL	0	1.2	13.8	0.0	5	18	434311.6	6805913.0
9	20200	CNORMAL	0	0.1	8.8	0.0	0	15	434677.3	6806162.0
9	20200	DNORMAL	0	2.0	6.5	0.0	16	31	434822.7	6806264.0
9	20220	ANORMAL	0	2.1	9.7	0.0	3	33	434762.8	6805804.0
9	20220	BNORMAL	0	3.4	12.7	0.0	3	32	434947.9	6805946.0
9	20220	CNORMAL	0	2.0	7.4	0.0	5	38	435154.2	6806083.5
9	20240	ANORMAL	0	1.7	8.1	0.0	12	27	435162.0	6805574.5
9	20251	ANORMAL	0	1.4	3.8	0.0	13	46	435644.8	6805594.0
9	20260	ANORMAL	0	1.7	6.2	0.0	13	33	435305.4	6805131.5
9	20280	ANORMAL	0	2.2	10.6	0.0	17	17	435771.5	6804942.0
9	20280	BNORMAL	0	-2.9	10.4	0.0	0	13	436442.1	6805459.0
11	20290	ANORMAL	0	0.8	7.5	0.0	0	39	436173.7	6805027.0
11	20340	ANORMAL	0	0.6	4.1	0.0	0	55	437482.6	6804738.5
11	20340	BNORMAL	0	0.6	5.7	0.0	0	47	437554.0	6804802.5
11	20340	CNORMAL	0	0.6	7.0	0.0	0	40	437610.9	6804847.5
11	20370	ANORMAL	0	-0.9	7.2	0.0	0	22	437526.8	6804042.0
11	20370	BNORMAL	0	1.0	9.5	0.0	1	27	437288.5	6803863.5
11	20370	CNORMAL	0	1.3	6.2	0.0	5	37	437110.8	6803733.0
11	20380	ANORMAL	0	0.9	7.7	0.0	0	33	437376.8	6803687.5
11	20390	ANORMAL	0	0.6	5.2	0.0	10	27	437904.6	6803810.0

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OFFSIDE

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
11	20400	ANORMAL	0	1.2	3.4	0.0	9	52	438021.8	6803628.0
11	20430	ANORMAL	0	1.9	7.6	0.0	2	39	437992.3	6802846.0
11	20440	ANORMAL	0	1.9	7.7	0.0	9	32	438061.2	6802648.0
11	20440	BNORMAL	0	1.9	7.8	0.0	6	34	438387.4	6802911.0
11	20440	CNORMAL	0	0.4	3.3	0.0	8	36	438890.8	6803286.5
11	20450	ANORMAL	0	0.4	3.8	0.0	8	32	439028.8	6803242.0
11	20450	BNORMAL	0	1.2	5.1	0.0	16	31	438616.8	6802933.0
11	20450	CNORMAL	0	1.8	7.4	0.0	1	40	437990.4	6802444.5
11	20460	ANORMAL	0	3.3	9.7	0.1	3	39	438347.2	6802456.0
11	20470	ANORMAL	0	2.2	7.4	0.0	12	32	438775.6	6802407.0
11	20470	BNORMAL	0	0.0	6.1	0.0	0	35	438064.0	6801879.5
11	20530	ANORMAL	0	0.7	6.2	0.0	6	28	438998.8	6801139.5
11	20610	ANORMAL	0	0.9	7.1	0.0	8	26	437971.4	6798364.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
59	70010	ANORMAL	2	34.0	20.5	3.0	17	24	360820.8	6862495.0
59	70010	BNORMAL	2	32.8	19.6	3.0	22	19	361148.2	6863126.5
59	70010	CNORMAL	3	69.3	26.7	6.8	6	28	361691.5	6863909.0
59	70020	ANORMAL	3	142.9	66.5	6.6	5	21	361796.2	6863758.5
59	70020	BNORMAL	3	125.9	53.9	7.1	6	21	361778.5	6863725.0
59	70020	CNORMAL	2	35.9	18.0	3.9	21	20	361231.9	6862911.5
59	70020	DNORMAL	2	29.9	15.3	3.6	16	28	360945.3	6862466.5
59	70030	ANORMAL	1	12.6	12.4	1.1	22	26	361140.8	6862401.5
59	70030	BNORMAL	1	22.0	18.6	1.7	23	19	361373.9	6862748.0
59	70030	CNORMAL	2	42.8	29.7	2.7	15	20	361683.0	6863224.0
59	70030	DNORMAL	2	41.9	31.2	2.5	14	21	361725.0	6863283.0
59	70030	ENORMAL	3	52.2	23.0	5.2	10	27	361862.7	6863496.5
59	70030	FNORMAL	3	46.1	22.5	4.4	9	29	361901.9	6863558.5
59	70030	GNORMAL	3	68.8	31.3	5.5	1	32	362035.7	6863763.5
59	70030	HNORMAL	2	59.1	35.2	3.7	2	31	362078.8	6863834.0
59	70030	JNORMAL	4	101.4	26.0	12.9	0	32	362163.0	6863974.0
59	70030	KNORMAL	4	93.9	25.0	12.0	3	29	362239.1	6864095.0
59	70040	ANORMAL	3	51.5	18.5	6.8	7	31	362439.7	6864041.0
59	70040	BNORMAL	3	55.4	19.8	7.0	4	33	362392.7	6863965.0
59	70040	CNORMAL	3	53.3	24.8	4.9	4	32	362337.4	6863875.0
59	70040	DNORMAL	3	103.2	39.1	7.8	5	25	362156.3	6863628.0
59	70040	ENORMAL	3	76.0	29.9	6.8	7	25	362027.1	6863453.0
59	70040	FNORMAL	4	118.8	32.4	12.4	5	24	361889.8	6863252.5
59	70040	GNORMAL	4	121.0	38.0	10.4	6	22	361858.0	6863195.5
59	70040	HNORMAL	3	105.9	41.6	7.5	9	20	361827.8	6863145.5
59	70040	JNORMAL	0	21.3	28.3	0.9	20	14	361677.8	6862886.5
59	70040	KNORMAL	1	20.8	15.7	1.9	25	20	361552.7	6862625.0
59	70040	MNORMAL	2	28.8	16.9	3.0	18	26	361404.8	6862346.5
59	70050	ANORMAL	3	32.5	15.6	4.0	11	33	361529.9	6862295.0
59	70050	BNORMAL	1	19.3	19.3	1.2	12	29	361631.6	6862456.5
59	70050	CNORMAL	3	44.9	15.8	6.7	7	33	362191.4	6863380.0
59	70050	DNORMAL	4	62.1	18.2	9.4	4	32	362265.9	6863483.0
59	70050	ENORMAL	3	57.9	21.0	7.0	7	29	362315.9	6863550.5
59	70050	FNORMAL	4	62.0	20.5	8.0	5	31	362537.2	6863870.5
59	70050	GNORMAL	2	46.0	24.6	3.9	9	28	362654.9	6864062.5
59	70060	ANORMAL	3	86.6	37.6	6.2	11	20	362646.7	6863616.0
59	70060	BNORMAL	2	56.1	39.5	2.9	17	15	362539.2	6863476.5
59	70060	CNORMAL	4	68.8	15.8	13.4	16	20	362398.3	6863274.5
59	70060	DNORMAL	5	71.7	14.0	16.7	12	24	362350.6	6863198.5

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
59	70060	ENORMAL	2	21.1	15.3	2.0	18	27	361772.9	6862329.0
59	70060	FNORMAL	2	31.5	16.2	3.6	12	31	361697.1	6862224.0
59	70060	GNORMAL	2	32.2	18.2	3.2	11	31	361645.6	6862153.0
59	70070	ANORMAL	1	17.6	18.8	1.1	16	26	361938.4	6862107.0
59	70070	BNORMAL	2	37.2	19.1	3.8	11	29	362239.0	6862592.5
59	70070	CNORMAL	4	48.2	10.6	12.8	11	29	362413.8	6862869.5
59	70070	DNORMAL	3	26.1	9.0	5.8	12	37	362607.6	6863198.5
59	70070	ENORMAL	3	29.4	10.3	5.9	8	39	362805.8	6863526.0
59	70080	ANORMAL	3	42.5	20.7	4.3	16	23	362945.8	6863344.0
59	70080	BNORMAL	3	35.0	14.7	4.9	21	22	362783.1	6863096.5
59	70080	CNORMAL	3	38.1	11.6	7.7	18	26	362682.1	6862921.0
59	70080	DNORMAL	2	30.7	17.7	3.1	20	22	362422.0	6862507.0
59	70080	ENORMAL	3	26.1	11.2	4.4	19	28	362333.9	6862375.5
59	70080	FNORMAL	0	13.5	18.5	0.7	14	26	362070.1	6862001.0
59	70090	ANORMAL	1	23.2	19.7	1.7	9	33	362437.2	6862233.0
59	70090	BNORMAL	2	29.4	21.2	2.3	14	27	362583.9	6862456.5
59	70090	CNORMAL	2	30.9	16.7	3.4	17	26	362800.6	6862790.5
59	70090	DNORMAL	3	27.7	10.9	5.0	19	28	362900.4	6862957.0
59	70090	ENORMAL	3	28.6	13.4	4.0	14	31	363076.0	6863240.0
59	70100	ANORMAL	2	13.1	8.1	2.1	13	43	363275.4	6863153.5
59	70100	BNORMAL	3	24.9	10.5	4.4	14	34	363163.1	6862970.5
59	70100	CNORMAL	2	25.8	19.3	2.1	14	28	362986.4	6862691.0
59	70100	DNORMAL	2	25.2	17.6	2.2	19	24	362779.5	6862405.0
59	70100	ENORMAL	0	11.4	17.3	0.6	14	26	362601.6	6862119.0
59	70110	ANORMAL	0	12.7	17.9	0.6	3	37	362778.9	6861998.5
59	70110	BNORMAL	1	18.1	13.3	1.9	13	35	362994.0	6862326.5
59	70110	CNORMAL	2	17.4	11.4	2.1	16	35	363370.4	6862855.0
59	70120	ANORMAL	2	16.4	10.4	2.2	21	31	363462.2	6862683.5
59	70120	BNORMAL	1	23.2	29.1	1.0	15	19	363196.0	6862293.5
59	70130	ANORMAL	0	8.8	47.9	0.0	0	27	363070.4	6861782.0
59	70130	BNORMAL	0	14.6	24.4	0.5	11	24	363409.0	6862273.0
59	70130	CNORMAL	1	13.7	13.5	1.1	15	32	363650.6	6862660.0
59	70140	ANORMAL	0	1.6	25.1	0.0	0	34	364121.8	6862953.5
59	70140	BNORMAL	2	20.0	14.5	2.0	15	32	363795.0	6862465.5
59	70140	CNORMAL	1	18.6	20.6	1.1	16	24	363633.8	6862213.0
59	70140	DNORMAL	0	12.8	21.9	0.5	5	31	363342.0	6861800.0
59	70140	ENORMAL	0	8.9	18.3	0.3	0	46	363161.3	6861519.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
59	70150	ANORMAL	0	4.9	20.9	0.0	0	34	363336.4	6861424.5
59	70150	BNORMAL	1	15.8	13.5	1.4	10	38	363541.0	6861741.5
59	70150	CNORMAL	3	30.3	11.7	5.3	0	48	363670.2	6861936.0
59	70150	DNORMAL	1	21.2	16.8	1.8	16	28	363814.3	6862158.0
59	70150	ENORMAL	1	18.6	14.1	1.8	9	38	363919.8	6862311.5
59	70150	FNORMAL	0	2.2	23.2	0.0	0	34	364174.5	6862710.5
59	70150	GNORMAL	0	-1.7	14.2	0.0	0	37	364245.3	6862829.0
59	70160	ANORMAL	0	3.2	18.2	0.0	0	33	364440.4	6862797.5
59	70160	BNORMAL	0	20.6	35.5	0.6	0	30	364344.3	6862642.5
59	70160	CNORMAL	2	21.0	10.9	3.1	10	40	364060.5	6862202.5
59	70160	DNORMAL	2	45.1	24.5	3.8	6	32	363967.1	6862050.5
59	70160	ENORMAL	3	39.1	18.3	4.4	11	29	363897.8	6861940.0
59	70160	FNORMAL	4	49.2	11.0	12.6	4	37	363819.3	6861823.5
59	70160	GNORMAL	4	45.9	13.4	8.7	0	43	363758.4	6861723.5
59	70160	HNORMAL	1	24.8	24.8	1.4	6	32	363493.8	6861313.0
59	70160	JNORMAL	0	-0.6	12.6	0.0	0	61	363166.3	6860776.0
59	70170	ANORMAL	0	15.2	23.6	0.6	2	34	363403.0	6860779.0
59	70170	BNORMAL	3	63.6	26.1	6.1	0	36	363684.5	6861186.5
59	70170	CNORMAL	1	33.1	35.0	1.4	8	25	363836.8	6861422.5
59	70170	DNORMAL	2	28.1	19.7	2.3	10	31	363885.8	6861497.0
59	70170	ENORMAL	4	56.4	11.4	14.9	5	34	363988.1	6861657.5
59	70170	FNORMAL	4	71.3	24.5	8.0	2	32	364072.4	6861783.5
59	70170	GNORMAL	3	70.1	31.8	5.5	2	31	364147.4	6861892.5
59	70170	HNORMAL	1	35.8	30.8	1.9	8	28	364500.0	6862455.0
59	70180	ANORMAL	0	22.4	43.5	0.5	4	24	364775.8	6862470.5
59	70180	BNORMAL	0	24.3	41.7	0.6	2	27	364706.2	6862360.0
59	70180	CNORMAL	3	70.6	26.1	7.2	0	36	364338.0	6861810.5
59	70180	DNORMAL	4	84.7	25.2	10.1	0	34	364287.9	6861748.0
59	70180	ENORMAL	3	72.4	25.7	7.7	2	32	364230.5	6861660.0
59	70180	FNORMAL	5	42.8	5.4	26.0	0	55	364140.7	6861500.0
59	70180	GNORMAL	3	106.5	55.5	5.2	2	26	363919.6	6861148.5
59	70180	HNORMAL	3	67.6	33.6	4.8	4	29	363867.0	6861086.5
59	70180	JNORMAL	3	29.7	11.7	5.1	5	41	363781.8	6860955.0
59	70190	ANORMAL	0	13.0	14.2	0.9	9	37	363622.2	6860322.0
59	70190	BNORMAL	2	44.6	25.2	3.6	10	28	363904.5	6860731.5
59	70190	CNORMAL	4	40.0	12.0	8.0	4	39	364500.8	6861667.0
59	70190	DNORMAL	0	10.2	20.8	0.3	5	30	364848.6	6862205.0
59	70190	ENORMAL	0	11.1	15.3	0.6	2	41	364886.0	6862263.0
59	70200	ANORMAL	1	30.0	31.4	1.4	0	35	365040.7	6862216.5

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
59	70200	BNORMAL	0	54.6	132.7	0.6	5	12	364953.0	6862068.0
59	70200	CNORMAL	4	39.2	10.0	9.9	0	57	364592.6	6861537.0
59	70200	DNORMAL	4	110.3	38.2	8.9	0	36	364017.1	6860615.0
59	70200	ENORMAL	3	73.8	29.9	6.5	0	45	363844.0	6860302.5
59	70210	ANORMAL	3	33.3	13.3	5.2	0	55	364032.6	6860291.5
59	70210	BNORMAL	2	31.1	18.8	2.9	8	33	364119.8	6860433.5
59	70210	CNORMAL	3	113.8	45.3	7.5	0	31	364304.3	6860693.5
59	70210	DNORMAL	3	29.2	11.3	5.2	0	56	364848.5	6861518.0
59	70210	ENORMAL	0	29.6	42.1	0.9	4	26	365073.5	6861931.5
59	70210	FNORMAL	1	30.6	26.2	1.8	3	34	365163.8	6862057.5
59	70210	GNORMAL	0	6.2	12.2	0.3	11	32	365307.6	6862277.5
59	70220	ANORMAL	0	12.1	38.2	0.2	11	14	365466.2	6862224.5
59	70220	BNORMAL	2	59.0	49.7	2.3	13	17	365362.2	6861949.5
59	70220	CNORMAL	2	90.5	95.1	2.0	0	24	365286.6	6861807.0
59	70220	DNORMAL	3	58.0	25.7	5.4	4	32	365023.4	6861449.0
59	70220	ENORMAL	4	87.9	27.2	9.7	2	30	364542.2	6860721.0
59	70220	FNORMAL	4	55.5	17.2	8.5	0	41	364459.7	6860581.5
59	70220	GNORMAL	3	42.9	16.5	5.9	0	48	364374.0	6860426.0
59	70220	HNORMAL	3	29.4	11.5	5.1	0	58	364245.4	6860213.0
59	70230	ANORMAL	3	26.0	9.4	5.5	0	59	364432.3	6860130.5
59	70230	BNORMAL	3	38.1	15.9	5.1	0	43	364497.3	6860256.0
59	70230	CNORMAL	3	50.9	17.8	7.0	0	47	364629.2	6860424.0
59	70230	DNORMAL	3	75.2	31.0	6.4	0	32	364792.8	6860727.5
59	70230	ENORMAL	2	43.7	26.0	3.3	0	39	365231.2	6861358.5
59	70230	FNORMAL	2	51.4	41.2	2.4	0	40	365461.4	6861768.0
59	70230	GNORMAL	0	26.0	35.6	0.9	1	31	365556.3	6861940.0
59	70240	ANORMAL	2	101.8	65.9	3.9	4	23	365646.1	6861711.0
59	70240	BNORMAL	2	32.0	17.8	3.3	0	43	365365.0	6861291.0
59	70240	CNORMAL	4	48.7	13.6	9.3	0	49	364759.7	6860326.5
59	70240	DNORMAL	3	43.9	15.7	6.5	0	45	364677.3	6860204.0
59	70240	ENORMAL	3	25.1	10.1	4.7	0	56	364600.7	6860052.5
59	70240	FNORMAL	2	27.0	14.0	3.4	0	58	364530.8	6859934.0
59	70250	ANORMAL	3	40.7	15.4	5.9	0	44	364849.1	6860017.0
59	70250	BNORMAL	3	49.3	22.6	4.9	3	34	365576.9	6861220.5
59	70250	CNORMAL	2	57.0	48.6	2.3	2	28	365786.9	6861572.5
59	70260	ANORMAL	1	37.2	47.9	1.1	8	21	366087.2	6861580.0
59	70260	BNORMAL	2	45.5	34.2	2.5	0	37	365997.3	6861448.5
59	70260	CNORMAL	3	48.3	22.3	4.8	0	39	365765.8	6861089.5
59	70260	DNORMAL	3	43.7	14.1	7.5	0	50	365004.6	6859922.5

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
59	70260	ENORMAL	3	36.4	15.2	5.0	0	55	364935.3	6859801.5
59	70270	ANORMAL	3	62.8	29.7	5.1	2	32	365147.4	6859794.0
59	70270	BNORMAL	3	85.4	33.0	7.2	0	34	365197.2	6859856.5
59	70270	CNORMAL	2	40.8	35.1	2.0	0	37	366181.8	6861379.5
59	70280	ANORMAL	1	40.5	39.1	1.7	13	19	366393.8	6861311.5
59	70280	BNORMAL	3	55.9	21.8	6.3	8	28	366272.8	6861135.5
59	70280	CNORMAL	3	48.8	19.6	5.8	0	44	365359.1	6859689.5
59	70290	ANORMAL	3	50.9	18.8	6.5	0	42	365582.0	6859702.0
59	70290	BNORMAL	4	187.2	57.2	12.2	0	31	365691.1	6859850.0
59	70290	CNORMAL	3	94.4	48.7	5.1	4	25	366435.9	6861023.0
59	70290	DNORMAL	0	21.5	34.9	0.7	4	27	366754.3	6861531.0
59	70300	ANORMAL	0	9.6	28.6	0.2	7	21	366887.9	6861416.5
59	70300	BNORMAL	3	142.2	63.1	7.0	4	22	366604.8	6860951.5
59	70300	CNORMAL	2	140.0	113.1	3.3	3	19	366305.1	6860483.0
59	70300	DNORMAL	2	109.2	87.1	3.1	9	15	366242.8	6860368.0
59	70300	ENORMAL	3	55.0	21.3	6.3	2	35	366022.5	6860000.0
59	70300	FNORMAL	2	27.4	16.4	2.8	1	43	365945.4	6859870.0
59	70300	GNORMAL	2	22.8	15.8	2.2	2	43	365775.0	6859600.0
59	70310	ANORMAL	3	58.2	30.0	4.4	5	29	366311.3	6860106.0
59	70310	BNORMAL	3	76.3	38.5	4.9	3	29	366340.4	6860152.5
59	70310	CNORMAL	3	68.8	32.4	5.2	2	31	366458.7	6860331.0
59	70310	DNORMAL	3	64.4	25.3	6.5	1	34	366624.8	6860586.0
59	70310	ENORMAL	4	73.5	23.5	8.8	0	34	366738.0	6860780.0
59	70310	FNORMAL	3	64.4	29.6	5.3	4	31	366839.2	6860939.0
59	70320	ANORMAL	3	89.6	51.6	4.4	7	22	367052.3	6860866.0
59	70320	BNORMAL	3	231.3	150.1	5.0	0	20	366779.3	6860488.0
59	70320	CNORMAL	1	68.8	99.5	1.2	1	21	366610.6	6860236.5
59	70320	DNORMAL	0	13.7	20.3	0.6	12	26	366483.3	6860029.0
59	70320	ENORMAL	0	1.6	14.8	0.0	0	25	366329.0	6859723.0
59	70320	FNORMAL	2	24.5	14.7	2.7	11	35	366013.8	6859229.5
59	70320	GNORMAL	2	24.1	17.7	2.1	4	39	365964.2	6859158.0
59	70330	ANORMAL	2	18.9	13.5	2.0	12	36	366087.5	6858981.0
59	70330	BNORMAL	4	38.1	9.8	9.7	7	37	366155.1	6859078.0
59	70330	CNORMAL	0	1.6	8.2	0.0	7	30	366279.7	6859290.0
59	70330	DNORMAL	0	25.4	40.8	0.7	5	24	366719.3	6859993.5
59	70330	ENORMAL	1	35.4	47.7	1.0	5	24	366753.0	6860043.5
59	70330	FNORMAL	3	87.2	39.4	5.9	1	30	366983.0	6860411.0
59	70330	GNORMAL	5	72.7	11.5	22.2	3	33	367048.2	6860519.0

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POWERPLAY

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59	70330	HNORMAL	3	39.0	13.0	6.9	5	38	367223.2	6860787.0
59	70340	ANORMAL	5	259.5	70.9	15.4	3	20	367367.8	6860621.0
59	70340	BNORMAL	5	69.2	8.7	29.8	1	36	367255.3	6860439.5
59	70340	CNORMAL	5	86.4	15.3	20.1	0	34	367215.4	6860389.5
59	70340	DNORMAL	4	86.0	23.1	11.6	0	33	367164.2	6860326.0
59	70340	ENORMAL	0	10.7	11.1	0.9	7	43	366878.5	6859912.0
59	70340	FNORMAL	2	20.6	13.6	2.3	8	39	366463.6	6859215.5
59	70340	GNORMAL	0	18.3	-1.6	0.0	0	48	366307.9	6858951.5
59	70340	HNORMAL	0	17.5	1.4	37.6	10	51	366239.9	6858837.5
59	70340	JNORMAL	1	12.4	12.4	1.1	5	43	366164.5	6858718.5
59	70340	KNORMAL	0	8.6	18.0	0.3	12	25	366056.8	6858567.5
59	70350	ANORMAL	0	12.5	21.1	0.5	6	30	366352.0	6858604.0
59	70350	BNORMAL	4	38.0	7.9	12.9	9	36	366499.3	6858787.5
59	70350	CNORMAL	5	63.3	10.4	20.3	0	40	366547.8	6858874.5
59	70350	DNORMAL	0	8.5	12.8	0.5	7	38	367087.0	6859796.5
59	70350	ENORMAL	3	47.6	15.0	7.9	5	34	367371.2	6860220.0
59	70350	FNORMAL	4	75.3	24.1	8.9	1	33	367422.7	6860292.0
59	70350	GNORMAL	4	98.3	24.3	13.4	0	32	367493.0	6860396.0
59	70350	HNORMAL	5	92.4	12.9	28.0	0	34	367555.9	6860504.5
59	70350	JNORMAL	0	28.3	-0.8	0.0	0	46	367624.1	6860626.0
59	70360	ANORMAL	3	98.2	43.6	6.3	4	26	367824.6	6860594.0
59	70360	BNORMAL	3	377.6	272.4	5.0	3	13	367775.6	6860500.5
59	70360	CNORMAL	3	395.9	212.6	7.4	9	8	367719.0	6860412.5
59	70360	DNORMAL	2	42.7	24.3	3.5	3	35	367586.3	6860213.0
59	70360	ENORMAL	0	17.4	0.6	118.7	11	50	366718.7	6858855.5
59	70360	FNORMAL	3	20.8	7.6	5.0	7	45	366641.5	6858742.5
59	70360	GNORMAL	1	20.8	22.3	1.2	6	33	366501.8	6858541.5
59	70371	ANORMAL	2	27.3	12.8	3.9	1	45	366800.3	6858586.5
59	70371	BNORMAL	3	26.7	10.5	4.9	4	43	366877.6	6858701.5
59	70371	CNORMAL	2	76.0	47.7	3.7	0	31	367911.8	6860377.5
59	70371	DNORMAL	3	77.4	37.2	5.3	2	29	367962.1	6860449.0
59	70371	ENORMAL	3	78.7	30.7	6.9	1	31	368012.8	6860513.5
59	70371	FNORMAL	3	47.2	16.9	6.7	3	36	368078.4	6860598.0
40	70380	ANORMAL	1	27.2	29.8	1.3	0	35	366905.8	6858342.0
40	70380	BNORMAL	5	122.8	28.1	15.8	0	29	366989.8	6858496.0
40	70380	CNORMAL	5	127.6	26.1	18.5	0	30	367025.3	6858558.0
40	70380	DNORMAL	0	12.3	22.3	0.4	0	38	367920.1	6859966.0
40	70380	ENORMAL	3	106.3	42.1	7.4	0	30	368280.1	6860526.5
40	70380	FNORMAL	3	88.5	35.0	7.1	0	31	368314.4	6860589.5
40	70380	GNORMAL	3	64.8	26.7	6.1	0	34	368346.1	6860644.5

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POWERPLAY

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40	70390	ANORMAL	4	125.7	41.6	9.8	0	36	368632.1	6860722.0
40	70390	BNORMAL	4	187.0	74.3	8.7	1	23	368534.3	6860572.5
40	70390	CNORMAL	5	309.5	55.7	27.8	0	25	367186.3	6858442.5
40	70400	ANORMAL	5	82.9	13.4	22.4	0	40	367308.8	6858346.5
40	70400	BNORMAL	5	108.2	22.1	17.7	0	32	367386.2	6858475.5
40	70400	CNORMAL	2	58.9	33.6	3.9	4	29	368629.2	6860425.0
40	70400	DNORMAL	3	88.8	36.9	6.6	2	29	368677.0	6860492.0
40	70410	ANORMAL	3	161.3	79.6	6.3	9	15	368867.8	6860417.0
40	70410	BNORMAL	2	30.1	21.2	2.4	0	40	367898.9	6858960.0
40	70410	CNORMAL	2	29.9	18.2	2.9	1	41	367824.3	6858849.5
40	70410	DNORMAL	5	60.0	11.8	15.8	0	38	367556.7	6858431.0
40	70410	ENORMAL	4	31.8	8.5	8.7	0	53	367445.1	6858248.5
40	70420	ANORMAL	4	111.0	26.1	14.8	0	32	367745.8	6858264.5
40	70420	BNORMAL	5	142.3	25.6	22.5	0	28	367820.5	6858366.5
40	70420	CNORMAL	6	94.9	11.2	35.3	0	39	368054.8	6858747.5
40	70420	DNORMAL	5	102.9	18.1	21.2	0	39	368154.0	6858910.0
40	70430	ANORMAL	3	54.0	23.4	5.4	10	27	368456.8	6858927.0
40	70430	BNORMAL	5	93.0	17.1	19.5	0	32	368404.6	6858836.0
40	70430	CNORMAL	6	220.2	26.0	44.3	0	28	368286.0	6858647.0
40	70430	DNORMAL	5	97.7	14.0	27.5	0	36	368180.9	6858473.0
40	70430	ENORMAL	5	68.9	12.2	18.8	0	43	368096.0	6858357.5
40	70430	FNORMAL	4	91.2	21.9	13.6	0	41	367988.6	6858197.0
40	70430	GNORMAL	4	125.2	37.1	11.3	0	34	367942.7	6858135.5
40	70440	ANORMAL	4	62.2	20.7	8.0	0	43	368076.1	6858047.0
40	70440	BNORMAL	5	120.5	26.1	16.9	0	34	368202.6	6858215.0
40	70440	CNORMAL	5	124.7	27.1	17.0	0	33	368254.3	6858278.0
40	70440	DNORMAL	5	131.5	30.9	15.5	0	32	368311.9	6858347.5
40	70440	ENORMAL	6	114.4	13.0	39.1	0	37	368558.3	6858667.5
40	70450	ANORMAL	6	191.9	28.7	31.2	0	33	368778.9	6858704.0
40	70450	BNORMAL	4	148.6	44.5	11.7	0	29	368411.2	6858149.5
40	70450	CNORMAL	2	48.3	27.7	3.6	0	38	368312.8	6857968.0
40	70460	ANORMAL	0	23.5	38.9	0.7	4	26	368468.8	6857887.0
40	70460	BNORMAL	5	104.4	18.2	21.6	0	37	368812.1	6858423.0
40	70460	CNORMAL	5	96.8	17.7	19.8	0	34	368831.6	6858470.5
40	70460	DNORMAL	5	70.4	10.3	24.4	0	40	368858.2	6858519.0
40	70460	ENORMAL	5	59.2	9.1	21.8	0	53	368895.6	6858584.5
40	70460	FNORMAL	5	43.0	5.4	26.2	0	69	368925.5	6858639.5

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POWERPLAY

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40	70460	GNORMAL	4	35.5	7.6	12.1	0	65	368970.0	6858721.0
40	70470	ANORMAL	5	44.2	6.1	23.2	0	74	369073.8	6858566.0
40	70470	BNORMAL	5	122.4	23.7	19.6	0	37	369040.5	6858397.5
40	70470	CNORMAL	0	22.4	31.9	0.8	5	28	368646.8	6857780.0
40	70480	ANORMAL	1	32.7	27.8	1.9	1	35	368849.7	6857668.0
40	70480	BNORMAL	4	29.5	6.8	10.4	5	44	369271.1	6858304.5
40	70480	CNORMAL	5	83.2	16.9	16.6	0	43	369415.8	6858525.5
40	70490	ANORMAL	6	89.1	10.8	33.5	0	45	369528.9	6858383.5
40	70490	BNORMAL	4	138.4	40.3	11.9	0	32	369503.3	6858311.5
40	70490	CNORMAL	1	22.2	22.4	1.3	1	38	369089.7	6857649.0
40	70500	ANORMAL	1	20.4	23.2	1.1	12	26	369227.3	6857604.0
40	70510	ANORMAL	3	22.5	7.9	5.5	0	55	369903.9	6858207.5
40	70510	BNORMAL	1	28.1	24.8	1.7	12	26	369703.4	6857906.5
40	70510	CNORMAL	1	25.4	33.3	1.0	9	23	369442.4	6857538.0
40	70520	ANORMAL	2	21.3	12.7	2.6	21	27	369894.0	6857864.0
40	70520	BNORMAL	4	100.1	25.0	13.3	0	35	370256.5	6858432.5
40	70520	CNORMAL	5	93.3	19.6	16.4	2	31	370290.8	6858483.5
40	70530	ANORMAL	3	57.3	24.7	5.5	2	33	370434.3	6858319.0
40	70530	BNORMAL	1	47.6	51.3	1.6	9	20	370175.5	6857852.0
40	70530	CNORMAL	2	47.3	34.5	2.6	14	20	369787.3	6857315.5
40	70540	ANORMAL	2	47.9	39.3	2.3	8	25	370072.5	6857290.5
40	70540	BNORMAL	1	27.7	27.4	1.5	13	23	370272.6	6857644.0
40	70550	ANORMAL	2	66.3	61.4	2.2	3	24	370495.9	6857602.0
40	70550	BNORMAL	2	40.9	32.5	2.2	6	29	370427.3	6857490.5
40	70550	CNORMAL	2	43.0	24.4	3.5	6	32	370237.1	6857226.5
40	70560	ANORMAL	2	80.8	65.3	2.7	6	21	370421.0	6857166.0
40	70560	BNORMAL	2	34.9	22.5	2.8	3	36	370673.3	6857561.0
40	70570	ANORMAL	0	34.4	54.8	0.8	6	20	371133.0	6857910.5
40	70570	BNORMAL	1	58.4	59.8	1.8	7	20	370853.9	6857469.5
40	70570	CNORMAL	0	28.7	44.6	0.8	10	19	370774.0	6857352.0
40	70570	DNORMAL	3	62.1	26.8	5.7	3	32	370601.0	6857096.0
40	70580	ANORMAL	3	24.2	9.8	4.6	0	55	370503.4	6856619.5
40	70580	BNORMAL	2	15.4	10.2	2.0	5	47	370542.0	6856702.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
40	70580	CNORMAL	3	82.3	39.0	5.5	0	34	370751.5	6857025.5
40	70580	DNORMAL	0	25.2	38.3	0.8	7	23	370942.9	6857296.5
40	70580	ENORMAL	1	27.2	34.8	1.0	6	27	371032.8	6857411.5
40	70580	FNORMAL	1	32.8	31.6	1.6	7	28	371369.4	6857873.5
40	70580	GNORMAL	2	39.9	32.1	2.2	4	31	371469.4	6858046.5
40	70580	HNORMAL	5	83.3	18.0	15.3	0	36	371640.8	6858349.5
40	70590	ANORMAL	3	154.8	67.1	7.4	2	23	371775.3	6858248.5
40	70590	BNORMAL	1	36.3	36.3	1.6	3	30	371602.4	6857970.0
40	70590	CNORMAL	1	35.0	47.6	1.0	4	25	371492.0	6857793.5
40	70590	DNORMAL	0	28.6	42.5	0.8	8	21	371420.5	6857687.5
40	70590	ENORMAL	0	18.0	27.2	0.7	1	33	371225.4	6857411.5
40	70590	FNORMAL	0	27.7	37.8	0.9	5	26	371114.1	6857240.5
40	70590	GNORMAL	3	49.3	24.2	4.5	7	30	370946.5	6856958.0
40	70590	HNORMAL	2	63.1	41.0	3.3	0	32	370751.5	6856641.5
40	70590	JNORMAL	3	72.5	42.6	4.0	0	32	370696.3	6856564.5
40	70600	ANORMAL	3	102.5	49.5	5.7	0	28	370896.8	6856587.0
40	70600	BNORMAL	2	29.2	22.6	2.1	3	36	371147.0	6856978.0
40	70600	CNORMAL	2	51.8	45.6	2.1	4	27	371431.4	6857384.0
40	70600	DNORMAL	0	13.4	24.9	0.4	10	24	371624.3	6857658.0
40	70600	ENORMAL	1	22.5	27.3	1.0	6	30	371798.1	6857916.5
40	70600	FNORMAL	3	74.9	40.6	4.5	7	24	371953.8	6858178.0
40	70600	GNORMAL	4	182.2	54.4	12.5	0	26	372013.5	6858297.0
40	70600	HNORMAL	4	124.1	44.1	8.9	0	28	372263.1	6858714.5
40	70600	JNORMAL	4	75.6	16.6	14.5	0	40	372433.3	6858964.0
40	70600	KNORMAL	4	54.5	13.4	11.4	0	45	372493.8	6859054.0
40	70600	MNORMAL	3	47.8	16.7	6.9	0	46	373046.5	6859921.0
40	70600	NNORMAL	3	55.4	25.3	5.1	0	39	373091.2	6859985.5
40	70610	ANORMAL	3	29.4	10.1	6.1	0	46	373399.4	6859907.0
40	70610	BNORMAL	3	49.0	15.5	7.9	0	40	373356.5	6859792.0
40	70610	CNORMAL	2	50.4	38.2	2.5	13	20	372950.3	6859215.5
40	70610	DNORMAL	5	196.8	51.7	15.0	4	20	372296.7	6858258.5
40	70610	ENORMAL	2	58.1	48.3	2.4	12	19	372164.6	6858092.5
40	70610	FNORMAL	0	27.2	36.9	0.9	12	19	372006.3	6857866.5
40	70610	GNORMAL	2	94.9	85.9	2.5	6	18	371625.2	6857286.5
40	70610	HNORMAL	2	24.1	16.1	2.3	2	42	371442.1	6856961.5
40	70610	JNORMAL	3	95.0	38.1	7.1	6	24	371182.6	6856535.0
40	70610	KNORMAL	3	80.4	43.4	4.6	4	27	371147.4	6856475.5
40	70620	ANORMAL	2	55.6	33.9	3.5	8	26	371367.3	6856443.5
40	70620	BNORMAL	2	20.9	12.2	2.7	7	41	371656.3	6856884.0
40	70620	CNORMAL	0	18.0	30.4	0.6	3	29	371889.9	6857274.0
40	70620	DNORMAL	1	39.9	36.0	1.9	8	26	372326.5	6858000.5

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS		
40	70620	ENORMAL	5	212.9	55.8	15.4	0	25	372429.5	6858158.5
40	70620	FNORMAL	2	42.1	24.9	3.3	13	25	373165.3	6859187.5
40	70620	GNORMAL	3	29.3	12.1	4.8	0	45	373485.6	6859766.5
40	70630	ANORMAL	2	83.3	61.4	3.1	11	17	373327.7	6859122.0
40	70630	BNORMAL	3	97.8	36.6	7.8	9	22	372600.1	6858061.5
40	70630	CNORMAL	2	47.8	34.3	2.7	9	25	371830.6	6856799.0
40	70630	DNORMAL	1	27.7	34.2	1.1	10	23	371560.4	6856387.5
40	70640	ANORMAL	0	15.9	19.0	0.9	12	29	371760.9	6856383.5
40	70640	BNORMAL	4	119.1	33.0	12.2	0	30	371990.4	6856688.5
40	70640	CNORMAL	3	50.2	24.7	4.5	6	31	372847.4	6858071.5
40	70640	DNORMAL	3	78.0	33.3	6.2	2	31	372929.5	6858186.5
40	70640	ENORMAL	3	88.8	37.6	6.5	0	32	373037.7	6858345.5
40	70640	FNORMAL	2	22.9	16.1	2.2	12	33	373507.0	6859072.0
40	70650	ANORMAL	3	78.1	40.4	4.8	8	23	373862.2	6859231.0
40	70650	BNORMAL	3	171.5	100.0	5.2	6	17	373789.3	6859125.0
40	70650	CNORMAL	4	258.5	92.1	11.0	3	18	373111.9	6858138.0
40	70650	DNORMAL	3	92.2	42.7	5.8	6	24	373067.9	6858062.5
40	70650	ENORMAL	4	97.9	29.5	10.3	10	21	372147.5	6856589.5
40	70650	FNORMAL	2	50.0	37.2	2.6	10	23	371998.3	6856358.5
40	70650	GNORMAL	0	20.6	27.9	0.8	0	35	371825.5	6856093.0
40	70650	HNORMAL	1	34.1	47.1	1.0	3	25	371707.0	6855868.5
40	70660	ANORMAL	3	48.8	22.5	4.8	2	35	372188.8	6856256.0
40	70660	BNORMAL	1	61.5	61.2	1.9	1	26	372872.1	6857316.5
40	70660	CNORMAL	3	50.8	19.5	6.2	8	30	373314.1	6858007.5
40	70660	DNORMAL	4	103.4	29.2	11.4	3	28	373904.9	6859007.0
40	70670	ANORMAL	4	130.9	45.2	9.4	0	30	374168.6	6858959.0
40	70670	BNORMAL	4	249.9	90.8	10.6	0	25	374140.2	6858912.0
40	70670	CNORMAL	3	96.2	44.5	5.9	3	27	373461.4	6857872.5
40	70670	DNORMAL	1	60.2	69.4	1.6	8	17	373053.9	6857195.0
40	70670	ENORMAL	3	86.2	32.4	7.5	1	31	372403.6	6856139.0
40	70680	ANORMAL	2	39.5	24.7	3.0	0	40	372190.6	6855586.0
40	70680	BNORMAL	3	65.4	36.4	4.1	0	33	372245.8	6855658.5
40	70680	CNORMAL	3	71.9	28.3	6.7	7	26	372297.6	6855736.0
40	70680	DNORMAL	3	83.3	33.7	6.7	2	30	372358.0	6855826.0
40	70680	ENORMAL	3	40.2	15.4	5.8	6	35	372503.1	6856062.5
40	70680	FNORMAL	2	81.1	55.2	3.4	13	16	373211.3	6857122.5
40	70680	GNORMAL	1	27.3	27.1	1.4	7	30	373631.9	6857802.5
40	70680	HNORMAL	4	65.7	20.8	8.6	10	25	373785.8	6858037.5
40	70680	JNORMAL	5	176.8	43.6	15.8	0	26	373924.9	6858254.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
40	70680	KNORMAL	3	79.7	34.5	6.1	5	27	374003.4	6858368.5
40	70680	MNORMAL	3	78.5	39.7	5.0	5	26	374074.1	6858470.5
40	70680	NNORMAL	3	70.8	37.4	4.5	5	27	374102.0	6858514.0
40	70680	ONORMAL	3	75.8	32.0	6.2	1	31	374171.9	6858621.5
40	70680	PNORMAL	4	61.9	19.9	8.3	2	34	374228.6	6858707.0
40	70680	QNORMAL	3	36.4	12.9	6.2	2	42	374348.9	6858884.5
40	70680	RNORMAL	3	31.0	11.2	5.8	8	37	374398.9	6858961.0
40	70690	ANORMAL	3	43.5	14.3	7.3	11	30	374511.1	6858822.5
40	70690	BNORMAL	3	59.6	29.9	4.6	3	32	374423.7	6858688.0
40	70690	CNORMAL	2	104.7	87.9	2.8	2	23	374293.4	6858491.5
40	70690	DNORMAL	3	188.5	126.4	4.5	6	16	374246.6	6858420.0
40	70690	ENORMAL	3	132.3	77.7	4.8	7	18	374172.4	6858316.0
40	70690	FNORMAL	4	126.3	33.6	13.1	3	26	373784.6	6857734.0
40	70690	GNORMAL	2	49.4	40.0	2.3	0	33	373603.5	6857448.0
40	70690	HNORMAL	2	110.5	121.9	2.0	8	13	373439.5	6857154.5
40	70690	JNORMAL	4	155.9	57.9	9.0	8	18	373371.6	6857041.0
40	70690	KNORMAL	3	76.7	44.0	4.2	8	23	372661.7	6855943.0
40	70690	MNORMAL	3	118.5	62.3	5.3	5	22	372603.4	6855839.0
40	70690	NNORMAL	4	77.5	26.2	8.3	1	32	372524.4	6855722.5
40	70690	ONORMAL	4	122.4	37.2	10.9	0	32	372444.1	6855601.0
40	70700	ANORMAL	3	50.7	17.6	7.1	0	39	372732.8	6855665.5
40	70700	BNORMAL	4	66.8	19.3	9.8	1	34	372802.2	6855764.0
40	70700	CNORMAL	3	50.4	22.8	5.0	5	32	372856.2	6855836.5
40	70700	DNORMAL	3	35.8	12.1	6.6	10	34	372967.9	6855992.0
40	70700	ENORMAL	3	51.5	25.7	4.4	14	22	373634.9	6857061.5
40	70700	FNORMAL	2	48.5	33.8	2.8	5	30	373890.3	6857486.0
40	70700	GNORMAL	3	119.9	55.6	6.3	4	24	374109.5	6857834.0
40	70700	HNORMAL	3	109.3	62.5	4.7	2	25	374182.3	6857931.0
40	70700	JNORMAL	2	72.3	45.3	3.7	4	27	374245.5	6858027.5
40	70700	KNORMAL	3	74.1	32.7	5.8	3	30	374306.2	6858116.5
40	70700	MNORMAL	3	71.1	26.3	7.2	2	32	374352.6	6858177.0
40	70700	NNORMAL	3	61.5	26.0	5.8	0	36	374443.9	6858290.0
40	70700	ONORMAL	4	45.4	13.7	8.3	8	33	374731.6	6858700.5
40	70710	ANORMAL	3	79.6	38.1	5.3	2	29	374763.4	6858436.5
40	70710	BNORMAL	3	119.9	71.3	4.6	1	24	374556.5	6858110.5
40	70710	CNORMAL	3	165.2	115.1	4.1	3	19	374526.6	6858062.0
40	70710	DNORMAL	3	201.4	131.9	4.7	5	16	374488.6	6858000.0
40	70710	ENORMAL	3	144.5	89.6	4.6	5	19	374408.0	6857877.5
40	70710	FNORMAL	2	146.2	117.5	3.3	7	15	374332.9	6857760.5
40	70710	GNORMAL	2	111.6	93.5	2.9	9	15	374274.0	6857671.5
40	70710	HNORMAL	4	135.7	38.2	12.4	8	20	374187.4	6857543.0
40	70710	JNORMAL	5	150.8	35.3	16.2	1	27	374087.4	6857394.5

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
40	70710	KNORMAL	4	81.2	24.4	9.8	2	31	373823.8	6856991.5
40	70710	MNORMAL	2	50.5	39.0	2.5	12	21	373103.7	6855856.5
40	70710	NNORMAL	2	44.0	28.2	3.0	7	30	373047.2	6855761.5
40	70710	ONORMAL	2	74.5	61.4	2.6	0	28	372944.3	6855594.5
40	70720	ANORMAL	3	37.0	16.0	4.8	0	52	373127.6	6855546.0
40	70720	BNORMAL	3	35.0	16.1	4.4	0	43	373159.3	6855600.0
40	70720	CNORMAL	3	51.9	26.5	4.3	3	34	374347.7	6857434.5
40	70720	DNORMAL	2	50.4	37.1	2.6	5	29	374430.8	6857570.5
40	70720	ENORMAL	2	54.6	39.0	2.8	6	26	374564.8	6857770.5
40	70720	FNORMAL	3	55.9	23.4	5.7	5	32	374654.1	6857916.5
40	70720	GNORMAL	3	37.5	12.8	6.6	5	38	374748.3	6858058.5
40	70720	HNORMAL	3	41.0	14.1	6.7	1	41	374878.8	6858247.0
40	70720	JNORMAL	3	56.9	23.6	5.8	3	33	374983.9	6858397.5
40	70720	KNORMAL	3	50.9	20.8	5.7	9	29	375076.4	6858530.0
39	70730	ANORMAL	4	73.9	20.9	10.4	0	35	373055.0	6855008.5
39	70730	BNORMAL	3	85.2	40.6	5.5	0	31	373117.0	6855092.5
39	70730	CNORMAL	3	94.6	45.5	5.6	0	30	373143.5	6855128.5
39	70730	DNORMAL	3	130.7	60.8	6.4	0	27	373214.3	6855216.0
39	70730	ENORMAL	4	146.9	58.0	8.2	0	26	373238.8	6855244.5
39	70730	FNORMAL	2	70.7	46.5	3.4	0	33	373373.3	6855422.0
39	70730	GNORMAL	3	82.7	34.4	6.5	0	32	373466.2	6855561.5
39	70730	HNORMAL	3	60.7	24.3	6.2	6	29	374432.8	6857218.0
39	70730	JNORMAL	3	34.0	16.4	4.1	7	35	374880.5	6857813.0
39	70730	KNORMAL	4	48.7	13.5	9.4	7	33	375042.7	6858036.0
39	70730	MNORMAL	3	63.3	24.3	6.6	7	29	375119.6	6858144.0
39	70730	NNORMAL	3	77.0	32.7	6.2	5	28	375203.3	6858264.0
39	70730	ONORMAL	3	72.5	33.2	5.5	5	28	375269.7	6858370.0
39	70730	PNORMAL	3	73.0	34.4	5.3	6	27	375304.2	6858433.0
39	70730	QNORMAL	2	39.5	21.4	3.7	17	22	375380.6	6858579.5
39	70740	ANORMAL	3	49.9	25.4	4.3	17	19	375540.7	6858512.0
39	70740	BNORMAL	3	89.0	43.4	5.4	10	20	375430.7	6858367.0
39	70740	CNORMAL	3	84.8	35.0	6.6	11	21	375259.4	6858119.0
39	70740	DNORMAL	3	68.9	23.9	7.8	12	22	375150.0	6857947.5
39	70740	ENORMAL	2	65.5	57.9	2.3	4	24	374925.6	6857628.5
39	70740	FNORMAL	3	91.6	48.7	4.9	9	20	374634.3	6857198.5
39	70740	GNORMAL	3	81.5	29.5	7.7	11	22	374483.1	6856965.0
39	70750	ANORMAL	4	48.5	12.3	10.6	7	33	374693.6	6856849.5
39	70750	BNORMAL	4	70.8	18.7	11.2	0	37	374792.9	6857011.0
39	70750	CNORMAL	3	91.6	38.5	6.6	0	35	374834.0	6857076.0
39	70750	DNORMAL	3	71.8	39.5	4.3	0	33	374869.4	6857130.0
39	70750	ENORMAL	3	97.3	41.0	6.7	0	31	374971.4	6857275.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
39	70750	FNORMAL	2	71.7	47.2	3.4	5	25	375071.3	6857421.5
39	70750	GNORMAL	3	48.4	18.5	6.2	3	35	375359.9	6857869.0
39	70750	HNORMAL	3	61.6	31.1	4.6	9	25	375440.3	6857997.5
39	70750	JNORMAL	3	78.1	34.0	6.0	13	19	375547.0	6858182.5
39	70750	KNORMAL	3	56.7	29.0	4.4	15	20	375603.3	6858278.5
39	70760	ANORMAL	2	47.0	31.9	2.9	16	19	375867.8	6858297.0
39	70760	BNORMAL	3	47.3	24.2	4.2	17	20	375758.4	6858152.0
39	70760	CNORMAL	2	59.9	38.7	3.3	17	15	375612.6	6857932.5
39	70760	DNORMAL	3	73.8	36.6	5.0	15	17	375523.3	6857795.0
39	70760	ENORMAL	2	58.1	35.5	3.5	9	24	375385.6	6857575.5
39	70760	FNORMAL	2	91.0	64.5	3.4	13	14	375284.9	6857418.0
39	70760	GNORMAL	2	159.8	137.7	3.1	9	11	375192.9	6857281.0
39	70760	HNORMAL	3	184.8	118.1	4.8	7	14	375151.0	6857222.0
39	70760	JNORMAL	3	135.9	69.7	5.7	7	19	375110.8	6857162.0
39	70760	KNORMAL	2	111.1	79.6	3.5	5	21	375065.6	6857100.0
39	70760	MNORMAL	4	50.6	14.5	9.1	11	28	374830.7	6856733.5
39	70770	ANORMAL	3	76.3	27.2	7.7	6	27	375069.2	6856547.0
39	70770	BNORMAL	3	49.6	17.4	7.0	10	29	375119.7	6856643.5
39	70770	CNORMAL	3	28.7	10.8	5.4	6	41	375220.0	6856926.0
39	70770	DNORMAL	2	53.6	38.0	2.8	9	24	375346.9	6857171.0
39	70770	ENORMAL	1	57.3	55.5	1.9	8	21	375394.2	6857244.5
39	70770	FNORMAL	3	25.3	9.7	5.0	15	34	375605.8	6857525.0
39	70770	GNORMAL	3	32.5	13.9	4.7	16	28	375755.7	6857715.0
39	70770	HNORMAL	3	35.8	16.6	4.4	17	25	375973.4	6858011.0
39	70770	JNORMAL	2	43.5	27.3	3.1	12	24	376038.7	6858104.0
39	70780	ANORMAL	2	38.9	30.4	2.2	14	22	376041.6	6857842.0
39	70780	BNORMAL	3	43.5	22.4	4.0	19	20	375857.0	6857562.5
39	70780	CNORMAL	3	40.3	17.6	4.9	19	22	375777.8	6857452.5
39	70780	DNORMAL	3	31.6	13.9	4.5	14	30	375688.7	6857334.5
39	70780	ENORMAL	1	28.1	23.6	1.8	12	27	375545.1	6857135.0
39	70780	FNORMAL	3	51.1	19.5	6.3	0	39	375319.6	6856756.5
39	70780	GNORMAL	1	31.4	26.1	1.9	10	27	375200.6	6856547.5
39	70780	HNORMAL	4	170.7	55.3	11.0	8	17	375129.8	6856422.0
39	70790	ANORMAL	4	93.1	22.8	13.4	3	29	375323.4	6856330.0
39	70800	ANORMAL	1	41.8	43.2	1.6	15	16	376525.0	6857825.0
39	70800	BNORMAL	3	89.6	36.4	6.8	9	22	376371.8	6857595.0
39	70800	CNORMAL	3	77.2	28.4	7.5	9	24	376312.7	6857503.0
39	70800	DNORMAL	2	22.7	14.5	2.4	13	33	375825.6	6856727.0
39	70800	ENORMAL	1	46.6	52.1	1.5	6	22	375634.4	6856471.5
39	70800	FNORMAL	4	148.2	57.1	8.5	5	21	375519.2	6856268.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
39	70800	GNORMAL	4	171.9	50.7	12.5	2	24	375309.1	6855920.0
39	70800	HNORMAL	3	78.4	30.6	6.9	6	27	375229.3	6855784.0
39	70800	JNORMAL	3	113.1	57.5	5.5	5	22	375138.8	6855655.5
39	70800	KNORMAL	2	81.6	57.7	3.3	2	26	375035.3	6855502.0
39	70800	MNORMAL	2	96.5	65.2	3.6	1	26	374975.8	6855421.5
39	70800	NNORMAL	3	152.2	82.9	5.5	2	22	374904.1	6855315.0
39	70800	ONORMAL	3	131.8	71.7	5.3	4	21	374872.7	6855262.0
39	70800	PNORMAL	3	103.8	57.9	4.8	3	24	374814.7	6855164.0
39	70800	QNORMAL	3	73.1	33.9	5.4	0	32	374705.7	6854990.0
39	70810	ANORMAL	3	38.4	13.7	6.3	0	47	374798.4	6854930.5
39	70810	BNORMAL	2	62.3	51.8	2.4	3	26	375071.9	6855287.5
39	70810	CNORMAL	2	55.6	38.2	3.0	8	24	375280.7	6855573.5
39	70810	DNORMAL	3	89.7	47.1	4.9	10	20	375384.2	6855731.0
39	70810	ENORMAL	4	141.2	47.3	10.0	8	19	375469.1	6855864.0
39	70810	FNORMAL	4	112.5	41.5	8.3	10	19	375511.1	6855928.5
39	70810	GNORMAL	3	74.5	31.3	6.2	12	21	375600.5	6856064.5
39	70810	HNORMAL	3	62.7	27.4	5.6	12	22	375685.4	6856198.5
39	70810	JNORMAL	4	28.7	7.1	9.4	12	36	376327.1	6857234.0
39	70810	KNORMAL	3	68.0	25.6	7.0	0	36	376439.8	6857404.0
39	70810	MNORMAL	4	46.8	12.0	10.3	7	34	376549.9	6857560.5
39	70810	NNORMAL	3	35.6	12.0	6.6	7	37	376638.6	6857700.0
39	70820	ANORMAL	3	72.4	27.4	7.0	16	18	376784.8	6857553.0
39	70820	BNORMAL	3	76.7	34.1	5.8	10	22	376701.8	6857444.0
39	70820	CNORMAL	3	88.8	41.0	5.8	7	23	376682.3	6857413.5
39	70820	DNORMAL	3	96.6	49.9	5.1	7	22	376633.9	6857336.0
39	70820	ENORMAL	3	44.3	16.3	6.3	5	35	376478.5	6857107.0
39	70820	FNORMAL	3	64.3	31.8	4.8	9	24	375569.3	6855692.0
39	70820	GNORMAL	2	66.9	59.7	2.3	10	18	375376.3	6855394.0
39	70820	HNORMAL	2	73.2	51.6	3.2	11	18	375339.1	6855340.5
39	70820	JNORMAL	3	100.7	49.0	5.6	7	21	375238.8	6855181.5
39	70820	KNORMAL	3	122.6	59.0	6.0	7	20	375165.8	6855064.0
39	70820	MNORMAL	3	100.9	42.6	6.7	6	23	375103.8	6854956.5
39	70820	NNORMAL	3	119.1	57.1	6.0	3	24	375054.3	6854873.0
39	70830	ANORMAL	2	28.4	21.4	2.1	12	28	375839.0	6855677.5
39	70830	BNORMAL	2	27.7	14.6	3.4	9	35	376491.8	6856736.5
39	70830	CNORMAL	2	46.7	31.9	2.8	2	33	376614.5	6856920.0
39	70830	DNORMAL	3	74.8	31.4	6.2	0	33	376680.5	6857013.0
39	70830	ENORMAL	4	70.9	21.7	9.2	9	26	376834.7	6857265.0
39	70830	FNORMAL	4	45.4	13.6	8.3	14	27	376909.0	6857383.0
39	70830	GNORMAL	3	32.7	12.2	5.6	13	31	376972.8	6857473.5
39	70840	ANORMAL	2	47.3	27.7	3.5	8	28	377182.1	6857353.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
39	70840	BNORMAL	3	102.8	44.4	6.6	6	23	377029.0	6857133.5
39	70840	CNORMAL	4	206.5	88.5	8.1	1	22	376951.3	6857015.0
39	70840	DNORMAL	4	198.7	82.4	8.4	2	21	376884.1	6856913.5
39	70840	ENORMAL	3	153.0	99.5	4.4	4	19	376803.8	6856796.0
39	70840	FNORMAL	3	189.0	109.9	5.4	0	22	376711.1	6856648.5
39	70840	GNORMAL	3	37.0	11.9	7.1	16	28	376221.6	6855908.5
39	70840	HNORMAL	4	80.3	18.9	13.5	8	26	376110.1	6855724.0
39	70840	JNORMAL	4	79.5	23.5	10.0	4	29	376054.3	6855638.5
39	70840	KNORMAL	3	59.7	22.3	6.8	8	28	376004.1	6855560.0
39	70840	MNORMAL	4	38.9	8.8	11.6	6	38	375890.6	6855394.5
39	70840	NNORMAL	4	40.9	9.3	11.7	5	38	375824.4	6855298.5
39	70850	ANORMAL	4	135.7	48.7	9.1	0	31	376010.5	6855206.5
39	70850	BNORMAL	4	107.3	38.0	8.6	0	30	376033.9	6855251.5
39	70850	CNORMAL	3	80.6	39.5	5.2	4	28	376110.2	6855395.0
39	70850	DNORMAL	4	70.8	16.5	13.2	0	37	376181.2	6855517.5
39	70850	ENORMAL	4	71.5	24.4	8.0	2	32	376289.3	6855681.0
39	70850	FNORMAL	4	61.2	19.5	8.4	3	34	376334.7	6855747.5
39	70850	GNORMAL	3	76.1	40.8	4.6	0	32	376692.3	6856259.0
39	70850	HNORMAL	3	104.2	44.1	6.8	0	33	376729.3	6856313.0
39	70850	JNORMAL	3	93.9	44.0	5.8	0	33	376837.1	6856473.0
39	70850	KNORMAL	3	112.9	50.3	6.5	0	31	376945.8	6856653.5
39	70850	MNORMAL	4	107.3	34.6	9.7	0	30	377046.6	6856810.5
39	70850	NNORMAL	3	95.7	37.5	7.3	1	30	377092.2	6856885.5
39	70850	ONORMAL	4	98.5	34.2	8.6	0	30	377118.6	6856930.0
39	70850	PNORMAL	4	92.2	24.7	11.9	0	32	377182.4	6857030.0
39	70850	QNORMAL	4	70.2	23.3	8.3	2	32	377240.0	6857118.0
39	70850	RNORMAL	2	43.2	25.1	3.4	1	36	377324.8	6857257.0
39	70860	ANORMAL	2	52.9	42.2	2.4	10	21	377604.1	6857227.5
39	70860	BNORMAL	2	50.7	27.6	3.9	3	33	377496.6	6857091.5
39	70860	CNORMAL	4	107.1	39.0	8.3	0	31	377405.6	6856957.5
39	70860	DNORMAL	4	82.7	27.2	8.8	0	33	377333.3	6856845.5
39	70860	ENORMAL	3	55.9	18.6	7.7	0	38	377274.5	6856744.0
39	70860	FNORMAL	3	56.5	24.8	5.4	0	43	377136.3	6856532.5
39	70860	GNORMAL	3	73.5	37.5	4.8	0	37	377055.9	6856415.5
39	70860	HNORMAL	3	73.7	38.0	4.7	0	36	377012.1	6856346.0
39	70860	JNORMAL	3	67.4	36.2	4.4	0	37	376971.0	6856287.0
39	70860	KNORMAL	3	56.9	25.5	5.3	0	40	376901.2	6856193.5
39	70860	MNORMAL	3	77.6	33.0	6.2	0	35	376452.8	6855478.5
39	70860	NNORMAL	3	69.8	32.1	5.4	1	32	376389.7	6855376.5
39	70860	ONORMAL	4	121.9	45.8	8.3	1	27	376250.8	6855171.5
39	70860	PNORMAL	3	189.3	82.8	7.7	1	23	376184.5	6855075.0
39	70870	ANORMAL	4	122.9	44.2	8.8	0	32	376324.9	6854997.0

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POWERPLAY

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
39	70870	BNORMAL	4	104.5	38.4	8.2	0	32	376357.7	6855058.0
39	70870	CNORMAL	3	47.4	22.6	4.6	1	37	376523.7	6855296.0
39	70870	DNORMAL	3	72.6	26.5	7.4	3	31	376613.4	6855417.0
39	70870	ENORMAL	3	60.1	25.2	5.8	7	29	376678.3	6855507.0
39	70870	FNORMAL	2	29.3	15.3	3.5	12	32	376968.1	6855908.0
39	70870	GNORMAL	3	50.6	19.5	6.2	5	34	377031.8	6855995.5
39	70870	HNORMAL	4	103.3	34.4	9.2	0	34	377136.3	6856151.5
39	70870	JNORMAL	3	88.0	34.3	7.2	0	34	377161.5	6856193.0
39	70870	KNORMAL	4	92.2	33.1	8.1	0	36	377220.8	6856289.0
39	70870	MNORMAL	3	72.8	29.7	6.4	0	38	377278.0	6856378.0
39	70870	NNORMAL	4	66.9	21.6	8.5	0	42	377343.6	6856479.5
39	70870	ONORMAL	4	63.9	18.2	9.9	0	45	377409.3	6856586.5
39	70870	PNORMAL	3	62.4	25.7	6.0	0	42	377476.6	6856691.0
39	70870	QNORMAL	3	67.4	25.1	7.0	1	33	377604.7	6856883.5
39	70870	RNORMAL	2	32.7	16.7	3.7	5	38	377677.0	6857007.0
39	70870	SNORMAL	2	34.7	27.6	2.1	0	38	377743.1	6857121.0
39	70880	ANORMAL	1	47.7	47.1	1.8	3	27	377871.1	6856976.0
39	70880	BNORMAL	3	81.8	36.9	5.8	3	28	377782.8	6856848.0
39	70880	CNORMAL	3	84.6	39.5	5.6	4	26	377706.5	6856738.5
39	70880	DNORMAL	3	110.1	48.9	6.5	0	28	377616.7	6856583.5
39	70880	ENORMAL	3	90.9	44.8	5.4	1	29	377570.7	6856496.5
39	70880	FNORMAL	4	167.0	68.7	8.1	0	29	377510.1	6856390.0
39	70880	GNORMAL	4	198.6	68.7	10.6	0	25	377444.1	6856277.0
39	70880	HNORMAL	4	221.2	63.6	13.8	1	23	377380.5	6856180.0
39	70880	JNORMAL	4	322.4	103.2	13.4	0	20	377294.5	6856054.5
39	70880	KNORMAL	0	29.9	55.8	0.6	4	21	376793.1	6855290.5
39	70880	MNORMAL	4	62.2	16.2	11.0	3	34	376529.5	6854885.5
39	70890	ANORMAL	3	42.4	17.5	5.4	5	36	377412.8	6855841.0
39	70890	BNORMAL	4	71.7	23.1	8.7	3	32	377510.7	6855991.5
39	70890	CNORMAL	4	69.1	20.9	9.3	0	36	377589.5	6856113.0
39	70890	DNORMAL	4	78.5	22.2	10.6	0	38	377639.2	6856190.0
39	70890	ENORMAL	4	78.7	26.2	8.5	0	40	377703.8	6856294.5
39	70890	FNORMAL	4	67.1	21.8	8.4	0	43	377770.5	6856413.0
39	70890	GNORMAL	3	54.6	21.0	6.3	0	44	377825.4	6856520.5
39	70890	HNORMAL	2	29.8	18.1	2.9	2	40	377917.9	6856692.5
39	70900	ANORMAL	1	34.3	29.3	1.9	6	30	378127.8	6856596.5
39	70900	BNORMAL	2	42.5	22.8	3.8	0	40	378009.2	6856418.0
39	70900	CNORMAL	3	60.9	30.8	4.6	0	37	377924.7	6856283.0
39	70900	DNORMAL	3	112.7	47.9	6.9	0	34	377873.5	6856197.5
39	70900	ENORMAL	3	106.0	45.9	6.6	0	33	377816.1	6856116.5
39	70900	FNORMAL	4	123.8	46.9	8.2	0	31	377759.7	6856034.0
39	70900	GNORMAL	3	121.1	49.3	7.5	0	30	377731.3	6855988.5

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POWERPLAY

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39	70900	HNORMAL	3	55.8	23.2	5.8	4	33	377394.6	6855488.0
39	70900	JNORMAL	3	75.4	31.1	6.4	1	32	377354.6	6855418.0
39	70910	ANORMAL	2	35.7	29.3	2.0	4	32	377389.3	6855054.0
39	70910	BNORMAL	3	67.2	24.3	7.3	0	35	377453.2	6855137.0
39	70910	CNORMAL	4	83.8	29.4	8.1	0	37	377514.6	6855217.0
39	70910	DNORMAL	3	84.9	33.4	7.0	0	32	377629.7	6855367.0
39	70910	ENORMAL	2	20.1	12.1	2.5	11	38	377868.2	6855724.0
39	70910	FNORMAL	3	60.6	21.0	7.5	0	38	378008.1	6855936.0
39	70910	GNORMAL	3	72.7	26.2	7.5	0	39	378056.5	6856018.0
39	70910	HNORMAL	3	61.5	21.5	7.4	0	40	378090.1	6856070.0
39	70910	JNORMAL	2	36.5	20.5	3.4	0	43	378158.9	6856170.5
39	70910	KNORMAL	3	42.0	20.8	4.2	0	45	378223.5	6856274.5
39	70910	MNORMAL	2	38.2	29.7	2.2	0	42	378278.5	6856380.5
39	70920	ANORMAL	2	40.1	23.5	3.3	0	41	378361.2	6856227.5
39	70920	BNORMAL	2	42.0	25.5	3.2	0	45	378301.8	6856136.5
39	70920	CNORMAL	3	43.3	19.7	4.7	0	41	378196.9	6855981.0
39	70920	DNORMAL	3	38.3	18.1	4.3	5	36	378093.3	6855822.5
39	70920	ENORMAL	3	128.3	52.7	7.5	0	27	377715.4	6855265.5
39	70920	FNORMAL	3	121.6	55.1	6.5	0	28	377656.6	6855177.0
39	70920	GNORMAL	4	168.9	56.7	10.5	0	29	377584.3	6855057.0
39	70920	HNORMAL	3	55.6	22.1	6.1	11	26	377468.3	6854859.5
39	70930	ANORMAL	4	52.9	15.6	8.9	3	35	377615.8	6854719.0
39	70930	BNORMAL	4	83.8	20.3	13.2	0	37	377710.4	6854863.0
39	70930	CNORMAL	3	46.7	15.7	7.2	0	44	377828.5	6855047.5
39	70930	DNORMAL	3	44.8	19.2	5.2	0	46	377912.6	6855169.0
39	70930	ENORMAL	3	50.8	19.5	6.2	0	42	377956.0	6855233.0
39	70930	FNORMAL	3	59.0	20.3	7.5	0	36	378036.6	6855358.5
39	70930	GNORMAL	3	49.6	23.3	4.7	9	28	378360.3	6855845.5
39	70930	HNORMAL	2	28.1	20.0	2.3	10	31	378438.4	6855968.0
39	70930	JNORMAL	1	19.9	18.8	1.4	7	35	378519.0	6856097.0
38	70940	ANORMAL	5	21.9	3.0	19.3	1	54	377948.4	6854801.5
38	70940	BNORMAL	5	22.7	3.4	17.2	0	59	378060.1	6854981.0
38	70940	CNORMAL	4	21.3	4.6	10.3	0	58	378168.6	6855159.0
38	70940	DNORMAL	4	19.4	3.3	13.9	1	56	378217.3	6855238.0
38	70940	ENORMAL	3	13.4	3.2	7.8	10	53	378476.3	6855656.0
38	70940	FNORMAL	2	13.4	8.0	2.2	12	45	378616.9	6855894.0
38	70950	ANORMAL	1	17.6	17.0	1.3	9	35	378684.3	6855659.5
38	70950	BNORMAL	1	17.9	15.7	1.5	10	35	378638.0	6855586.5
38	70950	CNORMAL	2	36.3	22.6	3.0	7	33	378424.3	6855235.0
38	70950	DNORMAL	3	58.2	23.3	6.1	0	41	378320.0	6855059.5

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POWERPLAY

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38	70950	ENORMAL	3	86.8	38.1	6.1	0	33	378242.4	6854934.5
38	70950	FNORMAL	4	101.4	31.4	10.1	10	20	378143.7	6854804.5
38	70950	GNORMAL	3	96.7	57.2	4.3	8	20	378087.2	6854707.5
38	70950	HNORMAL	2	60.0	46.2	2.6	7	24	377890.2	6854399.5
38	70950	JNORMAL	2	87.2	61.6	3.3	4	24	377823.7	6854294.0
38	70950	KNORMAL	3	47.3	24.6	4.1	11	27	377720.7	6854129.0
38	70960	ANORMAL	4	57.7	15.6	10.2	0	40	377922.1	6854067.5
38	70960	BNORMAL	3	48.9	17.0	7.0	0	39	377968.2	6854140.5
38	70960	CNORMAL	2	59.8	34.4	3.9	0	35	378044.0	6854256.0
38	70960	DNORMAL	2	59.6	37.1	3.5	0	34	378105.2	6854348.5
38	70960	ENORMAL	2	64.9	39.3	3.7	0	35	378135.4	6854394.0
38	70960	FNORMAL	3	55.5	24.6	5.3	0	38	378314.8	6854675.0
38	70960	GNORMAL	3	56.1	21.1	6.6	0	38	378354.9	6854737.0
38	70960	HNORMAL	3	38.2	12.7	6.9	3	40	378450.3	6854887.5
38	70960	JNORMAL	3	47.7	16.4	7.1	0	42	378509.3	6854985.5
38	70960	KNORMAL	3	41.6	20.8	4.1	0	41	378574.8	6855098.0
38	70960	MNORMAL	2	23.7	15.1	2.5	9	37	378645.7	6855218.5
38	70970	ANORMAL	3	64.2	25.3	6.4	0	36	378673.3	6854894.5
38	70970	BNORMAL	3	101.0	40.8	7.1	1	28	378606.8	6854780.0
38	70970	CNORMAL	3	124.0	51.6	7.3	3	25	378576.0	6854730.0
38	70970	DNORMAL	3	83.3	42.2	5.0	5	26	378500.1	6854608.5
38	70970	ENORMAL	2	69.1	63.6	2.2	2	25	378424.0	6854487.5
38	70970	FNORMAL	2	55.6	47.3	2.3	6	24	378371.4	6854407.0
38	70970	GNORMAL	1	60.2	65.4	1.7	0	26	378223.1	6854177.0
38	70970	HNORMAL	1	49.7	48.0	1.8	6	24	378179.9	6854114.5
38	70970	JNORMAL	2	91.2	64.4	3.4	3	24	378092.0	6853959.5
38	70980	ANORMAL	2	27.0	21.2	2.0	5	35	378268.4	6853844.0
38	70980	BNORMAL	2	18.2	11.3	2.3	10	40	378391.9	6854054.0
38	70980	CNORMAL	2	22.6	14.5	2.4	13	33	378525.2	6854277.0
38	70980	DNORMAL	2	57.9	39.4	3.1	6	27	378589.5	6854382.5
38	70980	ENORMAL	3	75.3	38.9	4.8	5	27	378723.5	6854579.0
38	70980	FNORMAL	3	70.6	29.9	6.0	5	29	378790.9	6854683.5
38	70980	GNORMAL	3	46.1	19.1	5.5	6	33	378848.2	6854778.5
38	70980	HNORMAL	2	26.0	13.5	3.4	3	43	378960.1	6854961.0
38	70980	JNORMAL	0	15.3	19.7	0.8	0	39	379037.0	6855086.0

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SHUTOUT

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
58	100050	ANORMAL	1	16.3	16.3	1.2	14	30	429466.4	6785702.5
58	100050	BNORMAL	1	22.2	22.2	1.3	18	21	429452.2	6785568.5
58	100050	CNORMAL	0	7.0	7.0	0.8	48	11	429433.2	6785361.5
58	100060	ANORMAL	1	11.9	11.9	1.0	21	28	429242.0	6785637.5
58	100060	BNORMAL	1	26.9	26.9	1.4	12	25	429248.7	6785784.0
58	100070	ANORMAL	1	49.9	49.9	1.8	17	12	429068.4	6785701.5
58	100090	ANORMAL	1	22.8	22.8	1.3	24	15	428656.0	6784928.5
58	100090	BNORMAL	1	23.5	23.5	1.3	25	14	428657.8	6784886.0
58	100100	ANORMAL	0	-10.2	-10.2	0.0	0	31	428477.0	6785953.0
60	100143	ANORMAL	0	3.5	5.7	0.3	14	45	427678.3	6785155.5
60	100152	ANORMAL	0	-3.1	7.5	0.0	0	46	427462.0	6785182.5
60	100160	ANORMAL	0	3.9	9.5	0.1	2	42	427250.2	6785081.0
60	100180	ANORMAL	1	16.1	11.8	1.8	30	20	426828.7	6785560.0
60	100180	BNORMAL	1	25.4	22.7	1.6	13	26	426831.3	6785378.5
60	100180	CNORMAL	1	23.2	29.3	1.0	11	24	426829.0	6785249.0
60	100180	DNORMAL	0	20.5	26.4	0.9	6	30	426816.2	6785172.5
60	100180	ENORMAL	0	14.6	21.2	0.7	11	27	426816.6	6785072.5
60	100180	FNORMAL	0	17.2	30.4	0.5	10	22	426823.3	6784952.0
60	100180	GNORMAL	1	10.3	8.8	1.2	32	23	426833.8	6784776.5
60	100190	ANORMAL	0	-1.7	3.1	0.0	0	27	426646.4	6784809.5
60	100190	BNORMAL	0	16.2	38.4	0.3	2	25	426670.9	6785420.0
60	100190	CNORMAL	0	8.8	36.7	0.1	0	23	426668.2	6785523.0
60	100200	ANORMAL	0	3.5	33.5	0.0	0	24	426439.3	6785335.5
60	100200	BNORMAL	0	-0.5	26.5	0.0	0	22	426448.6	6785187.0
60	100210	ANORMAL	0	1.6	23.6	0.0	4	14	426241.8	6785355.0
60	100210	BNORMAL	0	-0.5	19.4	0.0	0	11	426245.0	6785451.5
60	100230	ANORMAL	0	1.5	9.1	0.0	0	47	425788.2	6784304.0

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SLAPSHOT

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
24	40010	ANORMAL	0	-8.1	15.7	0.0	0	28	396850.9	6809774.5
24	40020	ANORMAL	0	-10.3	24.9	0.0	0	16	397032.9	6808879.5
24	40020	BNORMAL	0	-9.9	26.8	0.0	0	16	397034.3	6809022.0
24	40020	CNORMAL	0	-12.2	21.5	0.0	0	15	397037.6	6809618.5
24	40020	DNORMAL	0	-11.4	19.1	0.0	0	16	397024.4	6809787.5
24	40020	ENORMAL	0	-9.2	21.8	0.0	0	28	397062.2	6810644.5
24	40020	FNORMAL	0	-5.9	27.8	0.0	0	28	397055.7	6810878.5
24	40030	ANORMAL	0	-9.3	29.0	0.0	0	21	397248.5	6810950.5
24	40030	BNORMAL	0	-10.7	19.3	0.0	0	33	397240.2	6810635.0
24	40030	CNORMAL	0	-12.6	20.2	0.0	0	25	397244.4	6810296.0
24	40030	DNORMAL	0	-13.1	18.4	0.0	0	18	397222.1	6809790.0
24	40030	ENORMAL	0	-11.1	15.2	0.0	0	29	397215.0	6809124.0
24	40030	FNORMAL	0	-10.8	18.6	0.0	0	30	397211.4	6809017.0
24	40040	ANORMAL	0	-6.5	24.5	0.0	0	23	397442.4	6809248.0
24	40040	BNORMAL	0	-7.1	15.4	0.0	0	22	397448.2	6809808.5
24	40040	CNORMAL	0	-6.1	18.9	0.0	0	24	397469.5	6810666.5
24	40040	DNORMAL	0	-5.5	19.2	0.0	0	25	397469.4	6810821.0
24	40050	ANORMAL	0	-5.9	17.0	0.0	0	21	397659.4	6810505.0
24	40050	BNORMAL	0	-4.8	18.0	0.0	0	26	397634.2	6809249.5
24	40060	ANORMAL	0	-4.0	9.4	0.0	0	15	397648.9	6801688.5
24	40060	BNORMAL	0	-5.3	13.7	0.0	0	20	397653.7	6802021.5
24	40060	CNORMAL	0	-4.6	17.8	0.0	0	16	397649.8	6802291.0
24	40060	DNORMAL	0	-3.7	12.2	0.0	0	37	397650.8	6802805.0
24	40060	ENORMAL	0	-1.8	24.9	0.0	0	18	397651.2	6802957.0
24	40060	FNORMAL	0	-1.7	22.8	0.0	0	12	397647.6	6803056.0
24	40060	GNORMAL	0	-7.7	11.6	0.0	0	23	397707.7	6803575.0
24	40060	HNORMAL	0	-6.5	12.4	0.0	0	24	397706.1	6803843.0
24	40060	JNORMAL	0	-6.5	15.6	0.0	0	26	397724.3	6804839.0
24	40060	KNORMAL	0	-7.3	11.8	0.0	0	32	397748.1	6805222.5
24	40060	MNORMAL	0	-8.0	13.9	0.0	0	15	397788.8	6806071.5
24	40060	NNORMAL	0	-8.9	21.1	0.0	0	6	397786.9	6806170.0
24	40060	ONORMAL	0	-9.0	11.8	0.0	0	26	397798.8	6806794.0
24	40060	PNORMAL	0	-9.6	14.1	0.0	0	28	397834.0	6809208.5
24	40060	QNORMAL	0	-10.1	14.4	0.0	0	30	397849.3	6809844.5
24	40060	RNORMAL	0	-7.6	25.1	0.0	0	29	397846.2	6810805.0
24	40060	SNORMAL	0	-8.4	23.2	0.0	0	23	397852.7	6810973.5
24	40070	ANORMAL	0	21.7	114.0	0.1	5	9	397876.4	6802914.5
24	40081	ANORMAL	0	-8.7	20.8	0.0	0	19	398025.7	6802435.0

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SLAPSHOT

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
24	40081	BNORMAL	0	-6.1	27.0	0.0	0	31	398037.4	6802978.5
24	40081	CNORMAL	0	-1.1	86.0	0.0	0	14	398032.0	6803046.0
24	40081	DNORMAL	0	-5.3	65.0	0.0	0	13	398041.7	6803152.0
24	40081	ENORMAL	0	-11.9	13.5	0.0	0	11	398081.5	6803417.5
24	40090	ANORMAL	0	-2.9	22.1	0.0	0	11	398317.3	6803309.5
24	40090	BNORMAL	0	7.2	22.4	0.1	0	33	398303.3	6802961.5
24	40100	ANORMAL	0	0.9	23.6	0.0	4	11	398469.8	6801686.5
24	40100	BNORMAL	0	3.3	31.0	0.0	5	14	398465.7	6801813.5
24	40100	CNORMAL	0	8.7	13.1	0.5	24	21	398474.6	6801933.5
24	40100	DNORMAL	0	9.4	17.4	0.4	12	26	398474.5	6802047.5
24	40100	ENORMAL	0	40.3	82.3	0.6	6	15	398498.9	6802937.5
24	40110	ANORMAL	0	-7.4	22.1	0.0	0	10	398774.1	6807441.5
24	40110	BNORMAL	0	-8.7	14.4	0.0	0	14	398770.1	6807281.0
24	40110	CNORMAL	0	-5.2	23.5	0.0	0	14	398737.1	6806125.0
24	40110	DNORMAL	0	-4.8	21.0	0.0	0	8	398723.7	6806049.5
24	40110	ENORMAL	0	-6.6	26.2	0.0	0	2	398706.7	6805856.5
24	40110	FNORMAL	0	-4.1	14.3	0.0	0	10	398724.3	6805654.0
24	40110	GNORMAL	0	-2.9	11.5	0.0	0	18	398727.1	6805541.0
24	40110	HNORMAL	0	58.3	379.9	0.1	12	-3	398693.6	6802987.0
24	40110	JNORMAL	0	15.3	74.5	0.1	7	10	398678.8	6802897.0
24	40110	KNORMAL	0	3.6	17.1	0.0	11	18	398674.7	6802757.5
24	40110	MNORMAL	0	16.5	33.8	0.4	0	29	398655.3	6802002.0
24	40110	NNORMAL	0	17.0	32.7	0.5	17	13	398646.6	6801905.5
30	40121	ANORMAL	0	-1.3	26.8	0.0	0	8	398873.4	6803664.5
30	40121	BNORMAL	0	-3.3	26.9	0.0	0	2	398857.1	6803589.5
26	40131	ANORMAL	0	17.7	-2.3	0.0	0	53	399190.0	6807880.0
26	40131	BNORMAL	3	23.3	8.6	5.2	32	18	399005.8	6801718.0
26	40142	ANORMAL	3	17.6	4.8	7.1	8	50	399387.7	6808616.5
26	40150	ANORMAL	1	9.0	8.5	1.0	24	32	399626.1	6809592.0
26	40150	BNORMAL	2	9.6	5.4	2.1	11	53	399627.6	6809062.5
26	40150	CNORMAL	0	7.8	15.3	0.3	8	32	399368.3	6801869.0
26	40160	ANORMAL	0	5.8	24.6	0.1	3	24	399653.3	6802191.0
26	40160	BNORMAL	0	6.1	11.5	0.3	8	36	399656.7	6802784.5
26	40160	CNORMAL	0	6.0	17.2	0.1	5	29	399670.6	6802863.0
26	40160	DNORMAL	0	-1.2	7.3	0.0	0	61	399741.3	6805604.5
26	40160	ENORMAL	0	-1.8	7.1	0.0	0	33	399813.6	6809513.0
26	40160	FNORMAL	0	15.8	36.0	0.4	0	29	399940.8	6812420.0

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SLAPSHOT

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	BIRD DEPTH MTRS	BIRD HEIGHT MTRS		
26	40170	ANORMAL	0	9.5	22.2	0.3	11	22	400099.4	6812303.0
26	40171	ANORMAL	0	-1.6	21.6	0.0	0	29	400034.0	6809440.0
26	40171	BNORMAL	0	3.0	15.8	0.0	0	40	400022.0	6808890.0
26	40171	CNORMAL	0	4.7	19.4	0.0	1	29	400031.1	6808586.5
26	40171	DNORMAL	0	1.2	9.7	0.0	0	31	399933.3	6805700.0
26	40171	ENORMAL	0	1.4	14.3	0.0	3	22	399924.9	6805545.5
26	40171	FNORMAL	0	9.9	16.9	0.4	16	24	399859.5	6802311.5
26	40180	ANORMAL	0	6.3	7.4	0.6	21	35	400046.4	6802340.5
26	40180	BNORMAL	0	2.7	12.1	0.0	6	27	400152.8	6805544.5
26	40180	CNORMAL	0	3.0	11.7	0.0	8	27	400142.8	6805693.0
26	40180	DNORMAL	0	2.8	14.7	0.0	0	35	400226.3	6808530.0
26	40180	ENORMAL	0	-0.2	6.3	0.0	0	48	400236.2	6809314.5
26	40190	ANORMAL	0	3.9	8.6	0.2	0	55	400404.7	6808686.5
26	40190	BNORMAL	0	4.1	12.2	0.1	7	31	400343.0	6805643.5
26	40200	ANORMAL	0	2.3	2.9	0.3	0	90	400520.5	6804841.5
26	40200	BNORMAL	0	4.1	10.9	0.1	8	33	400545.7	6805689.0
26	40210	ANORMAL	0	6.9	20.3	0.1	2	30	400915.5	6812367.5
26	40210	BNORMAL	0	2.2	13.7	0.0	9	20	400705.4	6805694.0
30	40223	ANORMAL	0	2.6	13.6	0.0	0	34	401115.2	6804027.5
44	40262	ANORMAL	2	15.7	9.8	2.2	32	20	401826.2	6809605.5
25	40270	ANORMAL	0	1.9	17.8	0.0	9	13	402110.8	6810385.0
25	40270	BNORMAL	0	5.0	15.2	0.1	0	37	401925.9	6805956.0
25	40270	CNORMAL	0	6.2	17.7	0.1	6	28	401876.1	6803050.5
25	40280	ANORMAL	0	-0.4	11.9	0.0	0	21	402166.0	6807365.0
25	40280	BNORMAL	0	-2.2	8.1	0.0	0	28	402143.0	6808273.0
25	40280	CNORMAL	0	-3.5	8.2	0.0	0	19	402177.9	6808381.5
25	40290	ANORMAL	0	27.3	52.9	0.6	2	23	402470.9	6810949.0
25	40290	BNORMAL	0	11.0	24.7	0.3	18	14	402412.1	6808035.5
25	40290	CNORMAL	0	3.9	14.5	0.0	7	26	402413.7	6807448.5
25	40300	ANORMAL	0	7.0	22.5	0.1	0	29	402495.2	6803273.5
25	40300	BNORMAL	0	-0.4	11.4	0.0	0	16	402626.3	6808082.5
25	40300	CNORMAL	0	-0.2	9.9	0.0	0	10	402629.3	6808126.0
25	40310	ANORMAL	1	28.9	35.6	1.1	8	25	402854.1	6810503.0

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SLAPSHOT

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS		
25	40320	ANORMAL	0	7.8	9.4	0.7	26	26	402882.6	6802957.0
25	40320	BNORMAL	0	21.8	33.2	0.7	2	30	403007.0	6810350.5
25	40320	CNORMAL	0	23.1	32.1	0.9	3	30	403006.3	6810449.5
25	40330	ANORMAL	0	12.1	18.2	0.6	19	20	403314.8	6810821.0
25	40330	BNORMAL	0	26.5	50.5	0.6	2	24	403306.3	6810054.0
25	40330	CNORMAL	0	14.7	47.3	0.2	7	16	403121.2	6804704.5
25	40330	DNORMAL	0	13.7	27.5	0.4	17	15	403118.0	6804619.0
25	40340	ANORMAL	0	5.6	18.0	0.1	6	27	403325.9	6804252.5
25	40340	BNORMAL	0	4.0	20.1	0.0	0	28	403332.4	6804421.0
25	40340	CNORMAL	0	-2.0	11.3	0.0	0	29	403502.3	6810801.5
25	40350	ANORMAL	0	2.1	9.9	0.0	6	29	403688.4	6810490.5
25	40350	BNORMAL	0	12.2	19.0	0.5	3	35	403544.1	6804159.5
25	40360	ANORMAL	0	1.5	20.9	0.0	0	35	403764.3	6804431.0
25	40360	BNORMAL	0	-4.3	15.3	0.0	0	27	403806.1	6806754.0
25	40360	CNORMAL	0	0.2	13.3	0.0	0	36	403891.3	6810612.0
44	40450	ANORMAL	0	2.7	6.7	0.1	23	27	405694.8	6810804.5
44	40480	ANORMAL	0	0.0	7.1	0.0	0	14	406262.2	6812131.5
44	40480	BNORMAL	0	1.5	9.6	0.0	22	11	406241.7	6811739.0

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APPENDIX III

PERSONNEL

FIELD

Flown	February 25 to April 6, 1996
Pilot(s)	B. Johnstone and G. Tremblay
Operator(s)	J. Cunningham and G. Webster

OFFICE

Processing	Marie Logotheti Ed Hamilton George McDonald
Report	R. W. Woolham

APPENDIX IV

CERTIFICATE OF QUALIFICATION

I, Roderick W. Woolham of the town of Pickering, Province of Ontario, do hereby certify that:-

1. I am a geophysicist and reside at 1463 Fieldlight Blvd., Pickering, Ontario, L1V 2S3

2. I graduated from the University of Toronto in 1961 with a degree of Bachelor of Applied Science, Engineering Physics, Geophysics Option. I have been practising my profession since graduation.

3. I am a member in good standing of the following organizations: Professional Engineers Ontario (Mining Branch); Society of Exploration Geophysicists; South African Geophysical Association; Prospectors and Developers Association of Canada.

4. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the properties or securities of Expatriate Resources Ltd. or any affiliate.

5. The statements contained in this report and the conclusions reached are based upon evaluation and review of maps and information supplied by Aerodat.

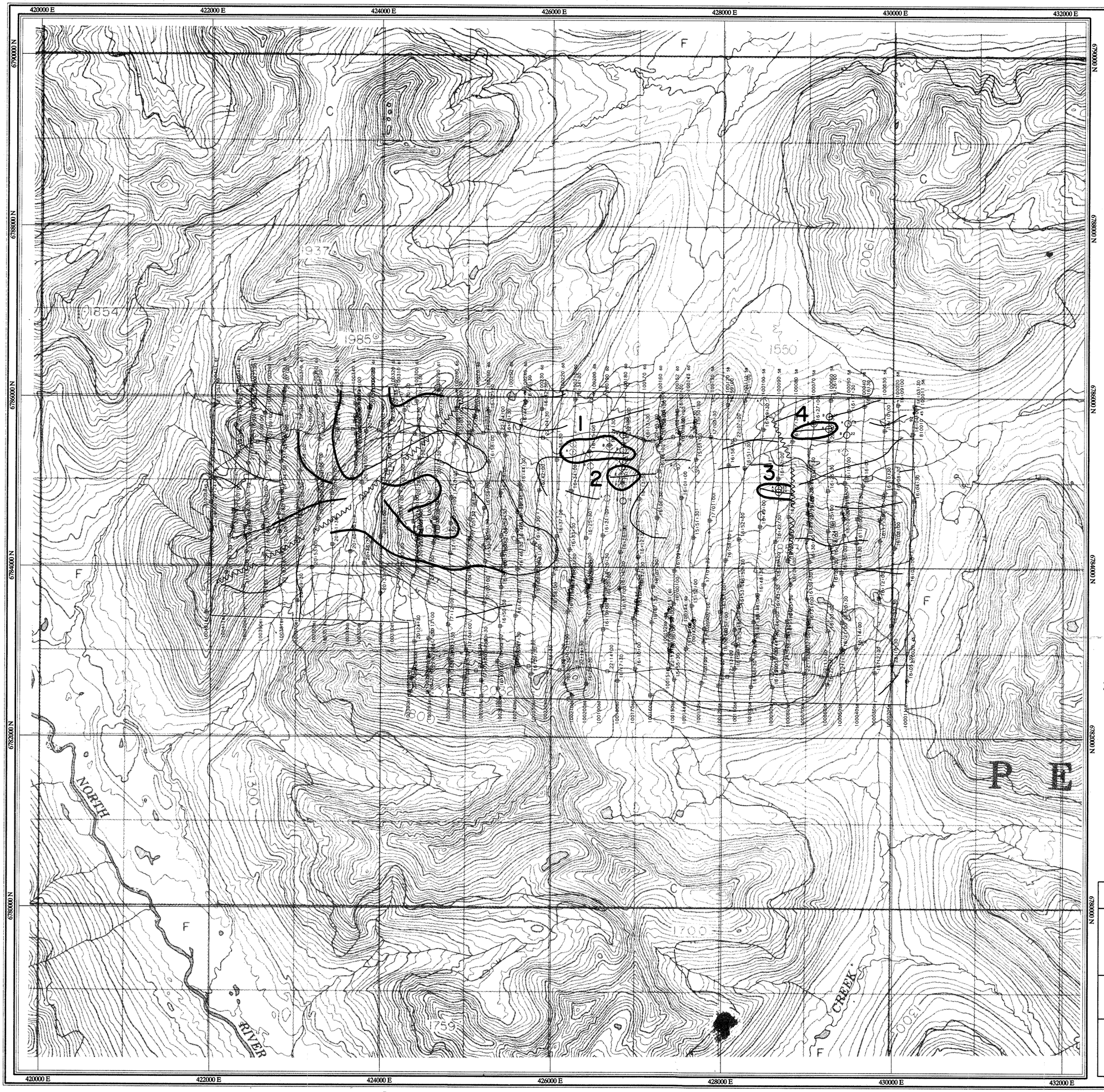
6. I consent to the use of this report in submissions for assessment credits or similar regulatory requirements.

REGISTERED PROFESSIONAL ENGINEER
R. W. WOOLHAM
PROVINCE OF ONTARIO

R. W. Woolham, P.Eng.

Pickering, Ontario

June 13, 1996



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

INTERPRETATION

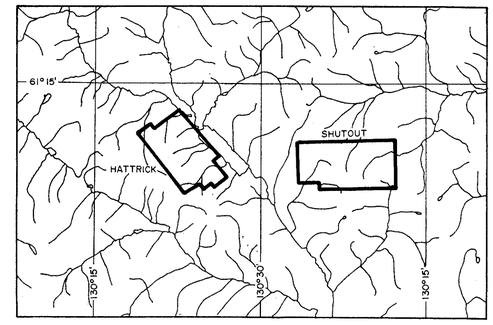
- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

High amplitude magnetic trend

Other magnetic trend

Fault/contact structure interpreted from magnetics

2 Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION

093655

SHUTOUT PROPERTY
YUKON TERRITORY

SCALE 1:20 000

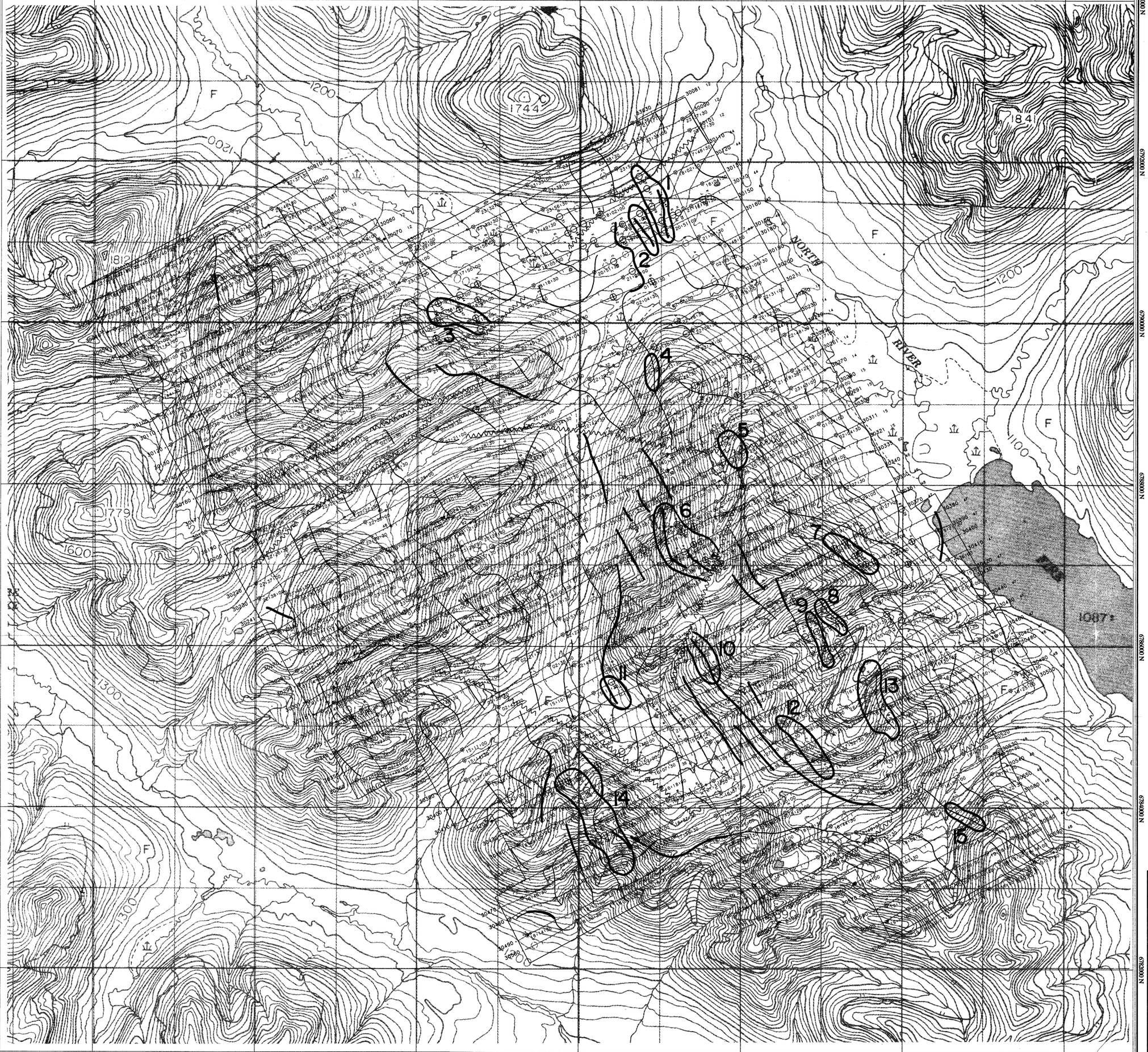
500 0 200 400 1000 2000 metres

aerodat
AERODAT INC.

Date Flown : APRIL 1996
NTS : 105-G/1
Project : J9603 Map Ref : 1 - 7

404000 E 406000 E 408000 E 410000 E 412000 E 414000 E 416000 E

6794000 N 6792000 N 6790000 N 6788000 N 6786000 N 6784000 N 6782000 N



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 65 - 245°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

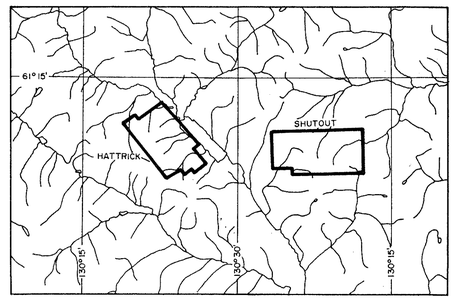
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

- High amplitude magnetic trend
- Other magnetic trend
- Fault/contact structure interpreted from magnetics
- 2 — Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION 993655

HATTRICK PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 200 400 1000 2000 metres

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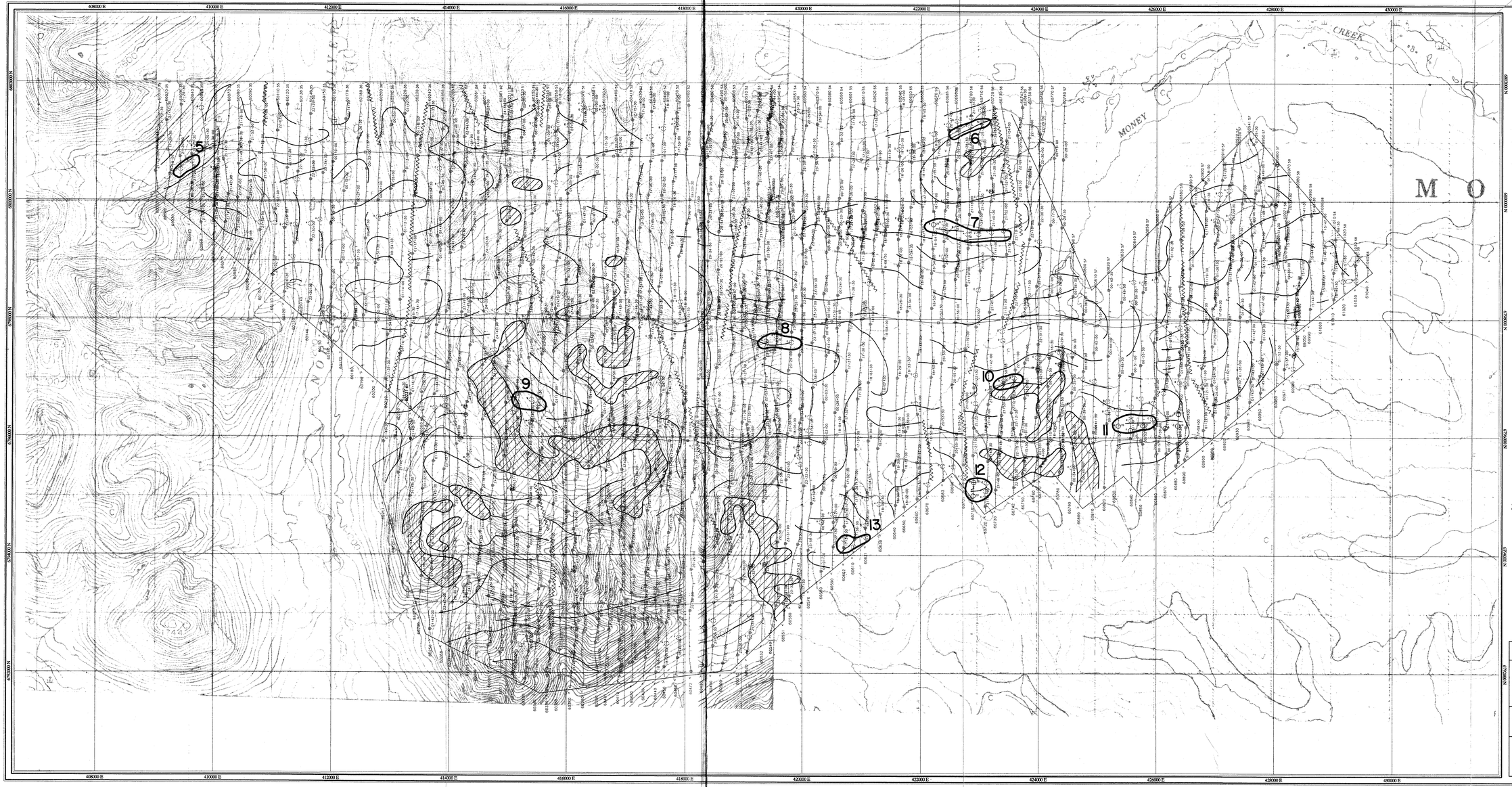
AERODAT INC.

Date Flown : MARCH 1996

NTS : 105-G/2 (2)

Project : J9603 Map Ref : 1 - 7



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.3°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

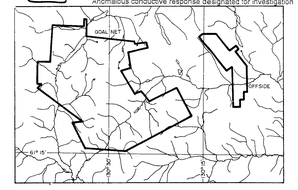
INTERPRETATION

High amplitude magnetic zone

Magnetic trend

Fault/contact structure interpreted from magnetics

2 Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION 093655

GOALNET PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 100 400 1000 2000 metres

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Date Flown : APRIL 1996

NTS : 105-G/7,8 (3)

Project : J9603 Map Ref : 1 - 7

430000 E 432000 E 434000 E 436000 E 438000 E 440000 E

6808000 N 6806000 N 6804000 N 6802000 N 6800000 N 6798000 N

N 6008689 N 6006689 N 6004689 N 6002689 N 6000689 N 5998689 N

P E L L Y

M O U N T A I N S

1

2

3

4

Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 50 - 230°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

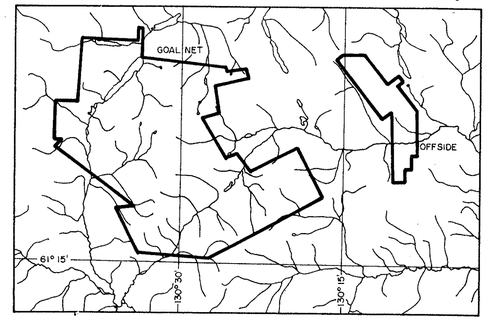
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

- High amplitude magnetic trend
- Other magnetic trend
- Fault/contact structure interpreted from magnetics
- 2 Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION 093655

OFFSIDE PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 200 400 1000 2000 metres

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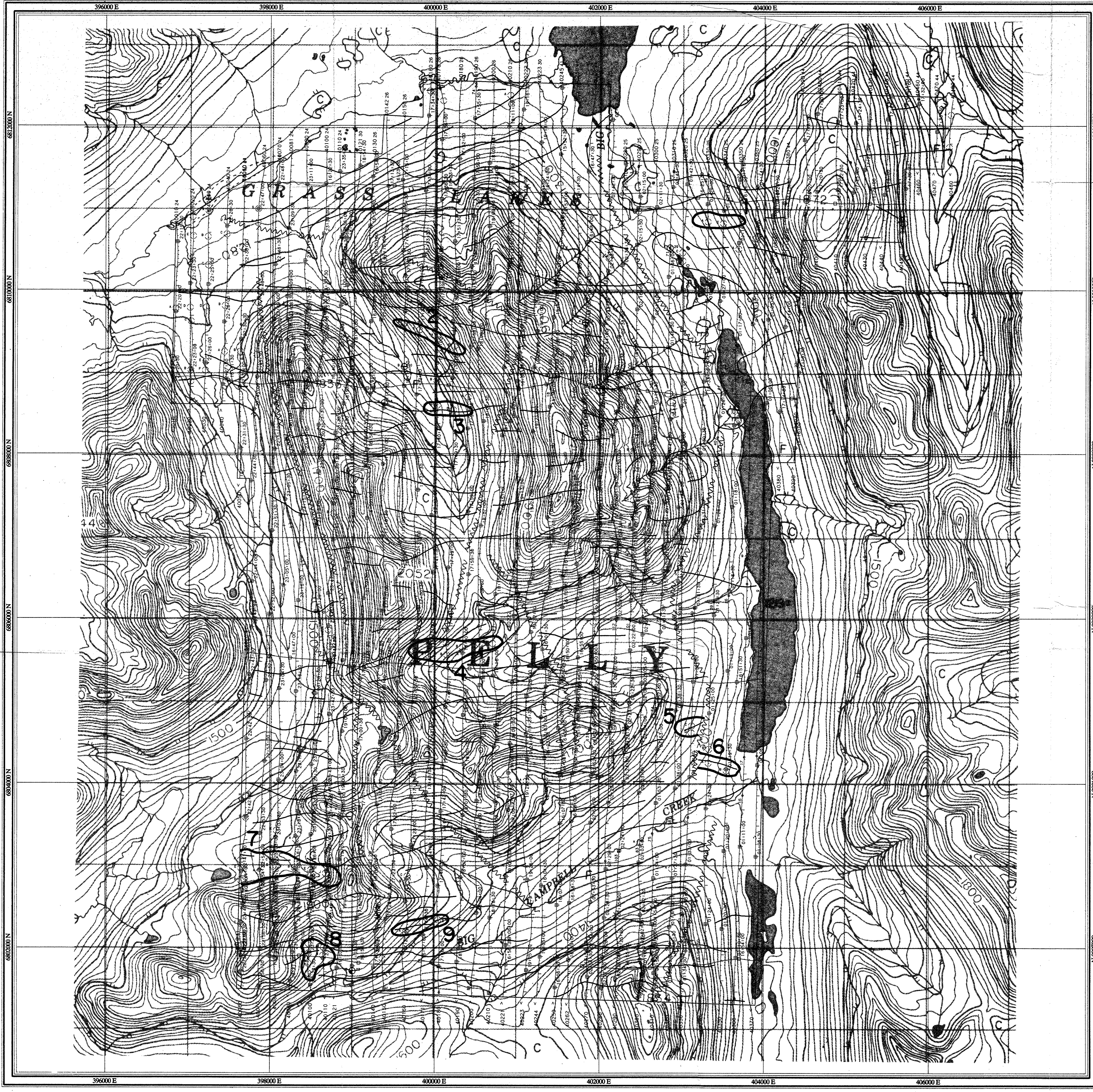
Date Flown : FEB 1996

NTS : 105-G/8 (4)

Project : J9603 Map Ref : 1 - 7



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

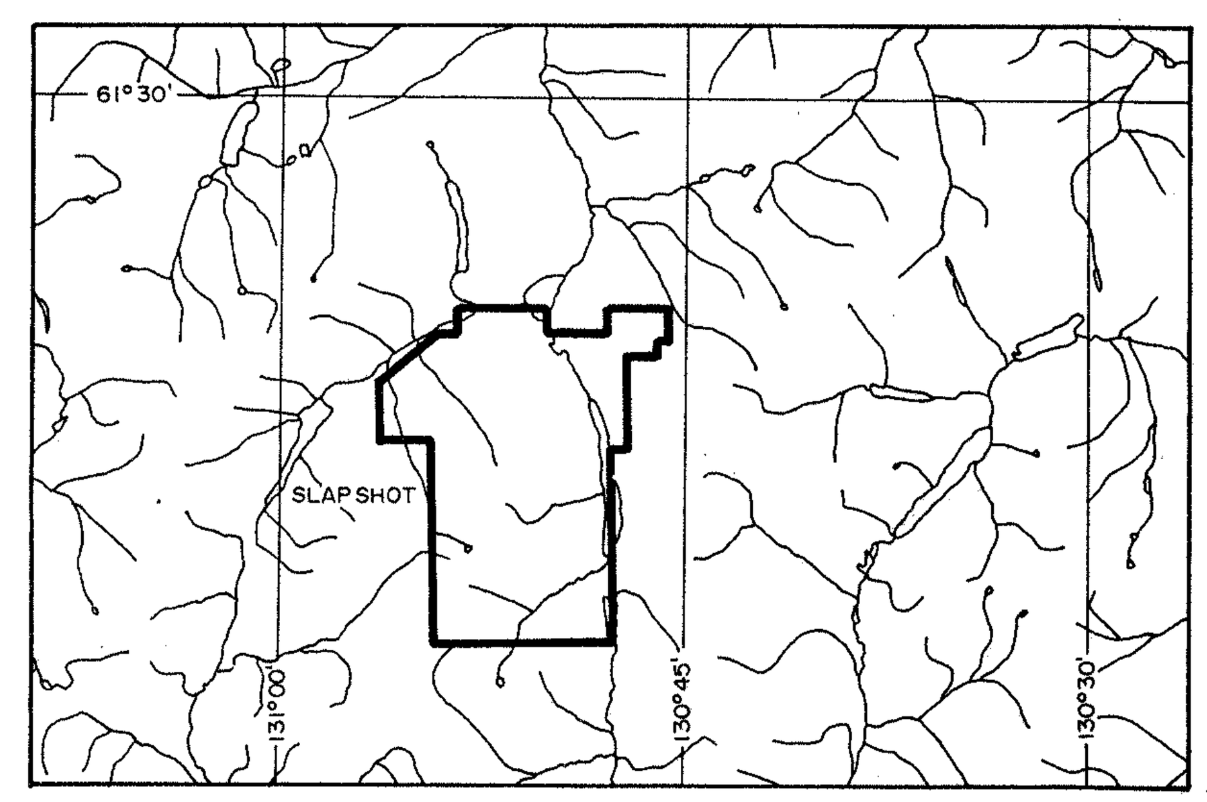
- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

Magnetic trend

Fault/contact structure interpreted from magnetics

2 Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION

093655

SLAPSHOT PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 200 400 1000 2000 metres

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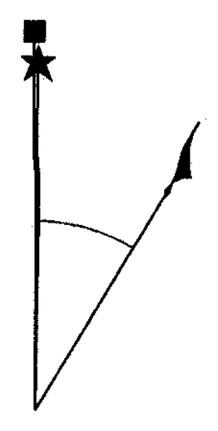
Date Flown : FEB 1996
NTS : 105-G/8 (5)
Project : J9603 Map Ref : 1 - 7



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

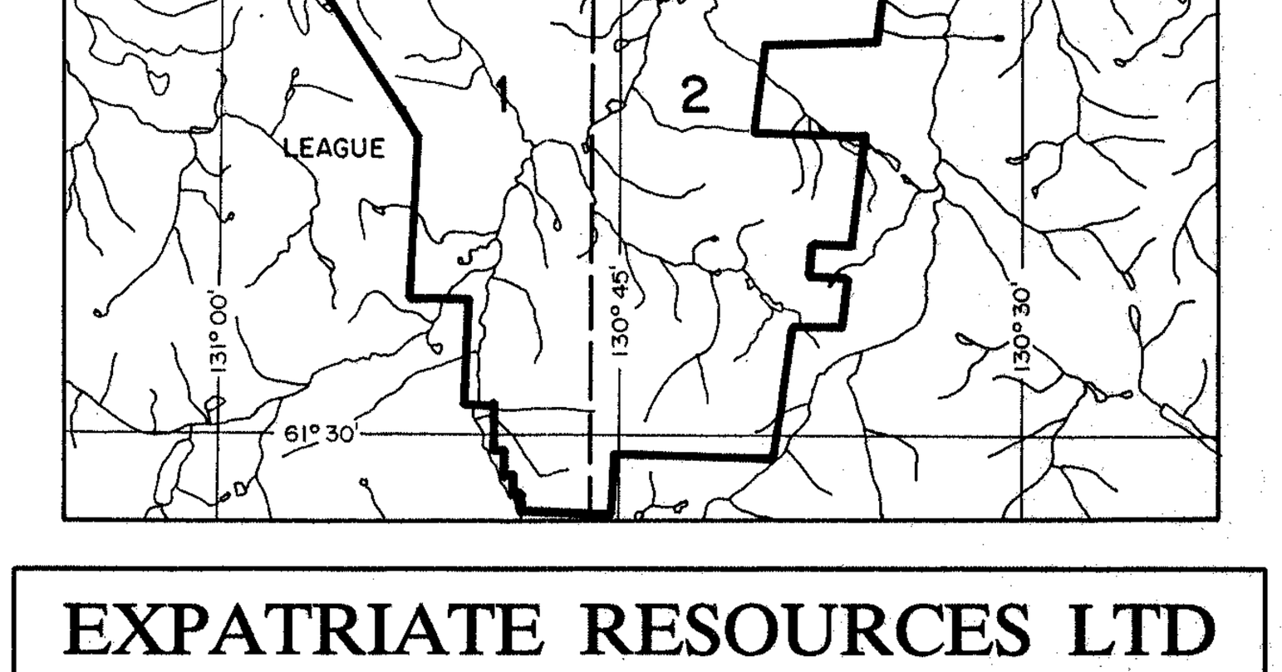
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

- High amplitude magnetic zone
  - a) Shallow source
  - b) Source at depth
- Other magnetic trend
- Low resistivity or conductive zone less than 30 ohm metres.
- Fault/contact structure interpreted from magnetics
- 2 Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION

LEAGUE PROPERTY

YUKON TERRITORY

093655

SCALE 1:20 000

500 0 200 400 1000 2000 metres

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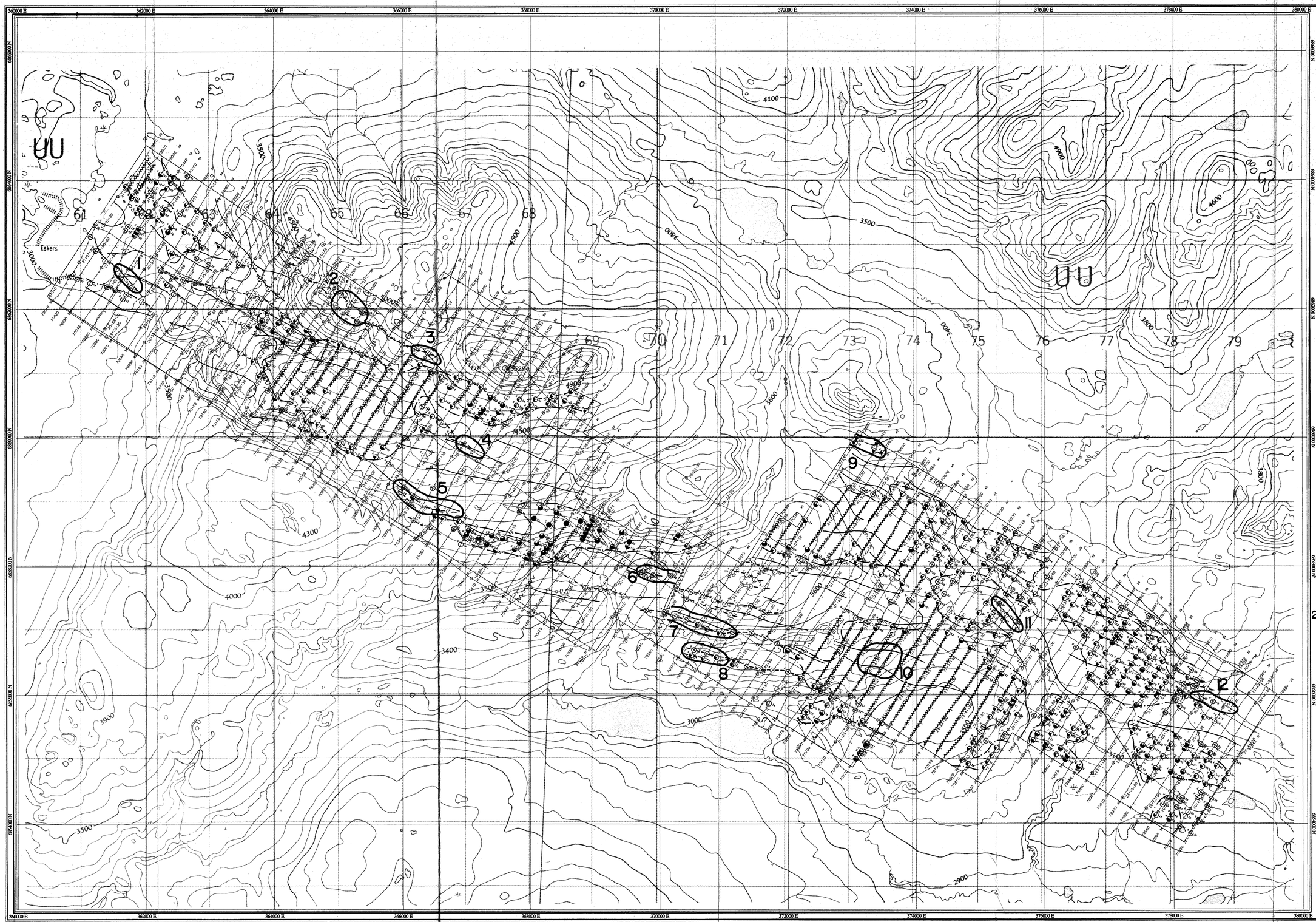
Date Flown : FEB 1996
NTS : 105-G/7,10
Project : J9603 Map Ref : 1 - 7

(6)



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 35 - 215°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

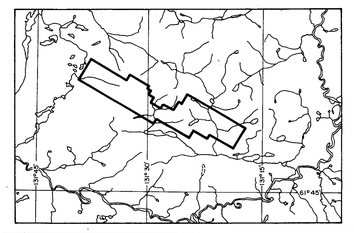
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

- Magnetic trend
- Low resistivity or conductive zone less than 10 ohm metres
- Conductive trend
- Very conductive complex zone
- Fault/contact structure interpreted from magnetics
- 2 — Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD.

INTERPRETATION 093655

POWER PLAY PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 200 400 1000 2000 metres

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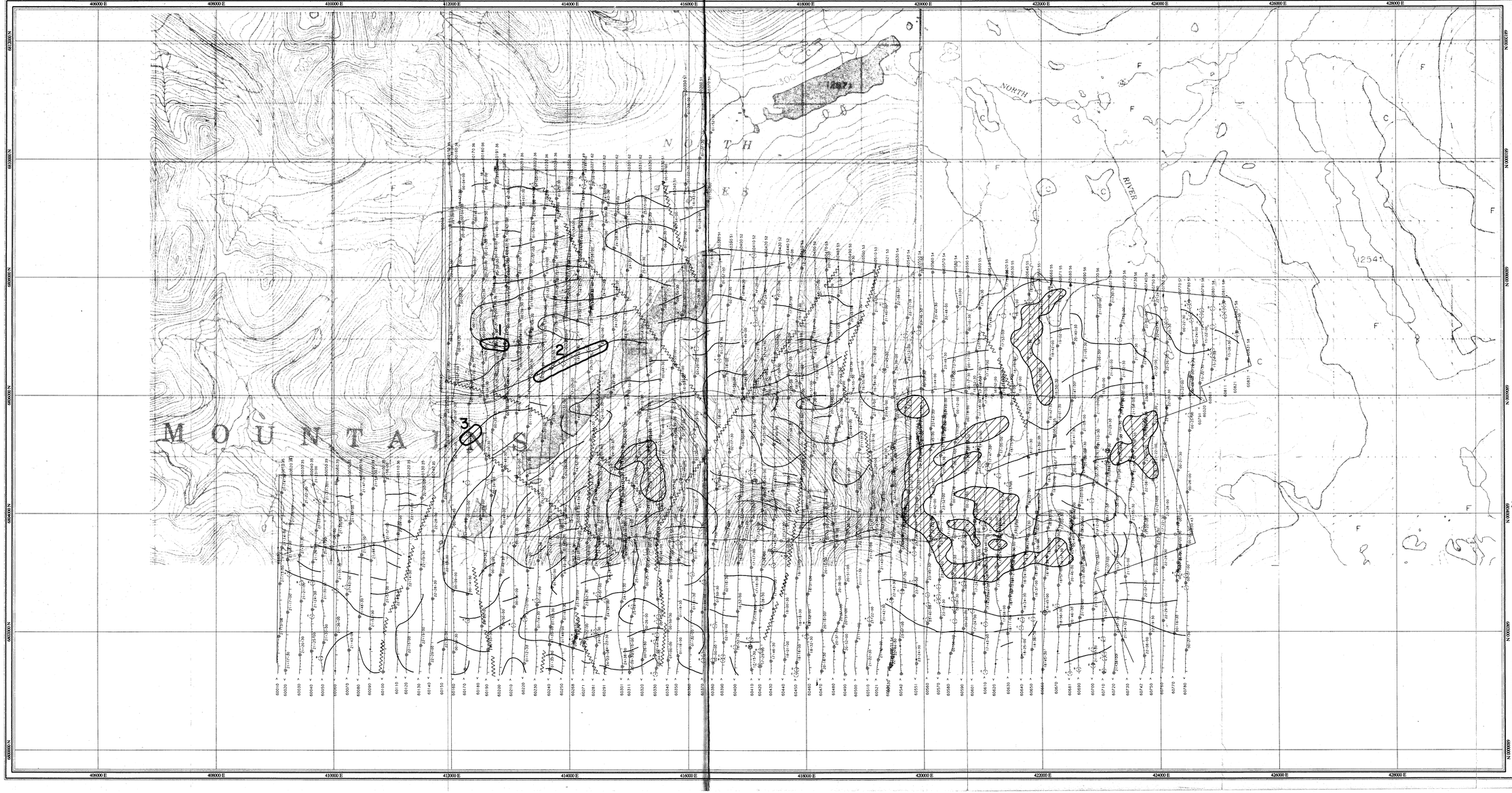
Date Flown : FEB 1996

NTS : 105-G/13,14 (7)

Project : J9603 Map Ref : 1 - 7



Squares: Grid North
Bar: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet.
Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.1°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

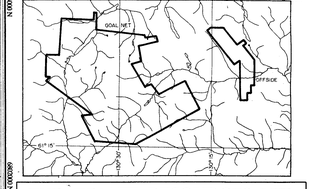
INTERPRETATION

High amplitude magnetic zone

Magnetic trend

Fault/contact structure interpreted from magnetics

Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION 093655

GOALNET PROPERTY
YUKON TERRITORY

SCALE 1:20 000

500 0 300 400 1000 2000 metres

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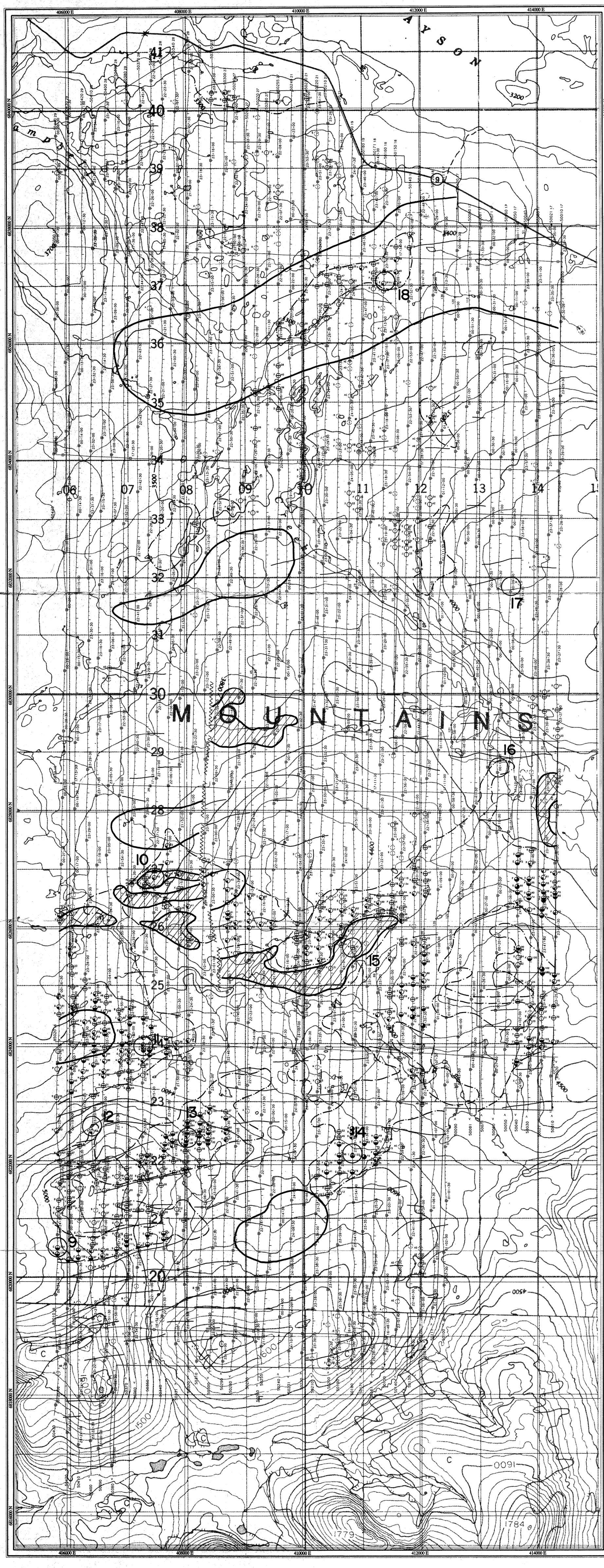
Date Flown : APRIL 1996
NTS : 105-G/7,8
Project : J9603 * Map Ref : 2 - 7



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.7°
Grid North - Magnetic North : 31.2°
Annual change : -0.14°

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 0 - 180°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

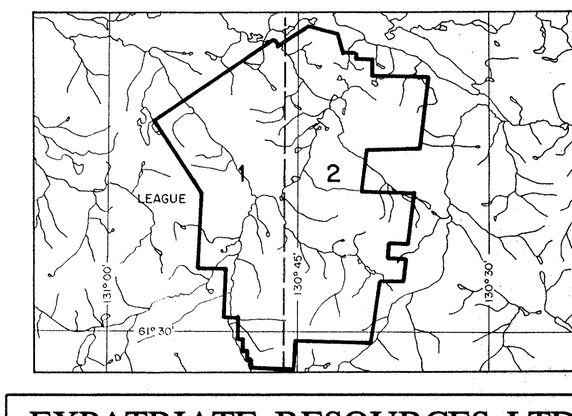
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

INTERPRETATION

- High amplitude magnetic zone a) Shallow source b) Source at depth
- Other magnetic trend
- Low resistivity or conductive zone less than 30 ohm metres.
- Fault/contact structure interpreted from magnetics
- 2 — Anomalous conductive response designated for investigation



EXPATRIATE RESOURCES LTD

INTERPRETATION 093655

LEAGUE PROPERTY

YUKON TERRITORY

SCALE 1:20 000

500 0 200 400 1000 2000 metres

aerodat
AERODAT INC.

Date Flown : FEB 1996

NTS : 105-G/7,10 (9)

Project : J9603 Map Ref : 2 - 7