Report of VLF-EM and Total Field Magnetic Surveys

On the

Champagne Grid

Champagne Township, Ontario

Mining Claim No. 4253024

Porcupine Mining Division

For

1571925 Ontario Ltd..

February 15, 2012 Timmins, Ontario Matthew Johnston

1226 Gatineau Blvd. Timmins, Ont. P4R 1E3

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1.0 Introduction

The Champagne grid is located on a property owned by of 1571925 Ontario Ltd., located in northwest Champagne Township, Porcupine Mining Division. The Champagne grid in Champagne Township covers substantially all of mining claim 4253024. This mining property is currently under option to Champagne Resources Ltd. Between December 23, 2011 and January 8, 2012, a geophysical survey program consisting of VLF-EM, and total field magnetic surveys was conducted over this claim. Yvan Veronneau of Timmins completed the magnetic and VLF-EM surveys. The geophysical surveys were performed in order to evaluate and map the presence of disseminated to massive sulphides with respect to their location, width, and concentrations.

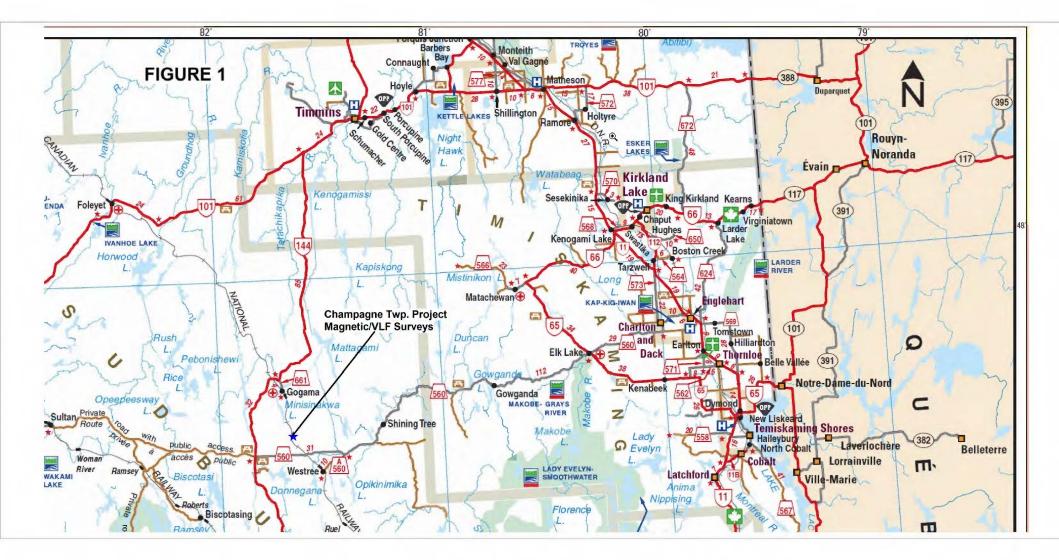
2.0 Location And Access

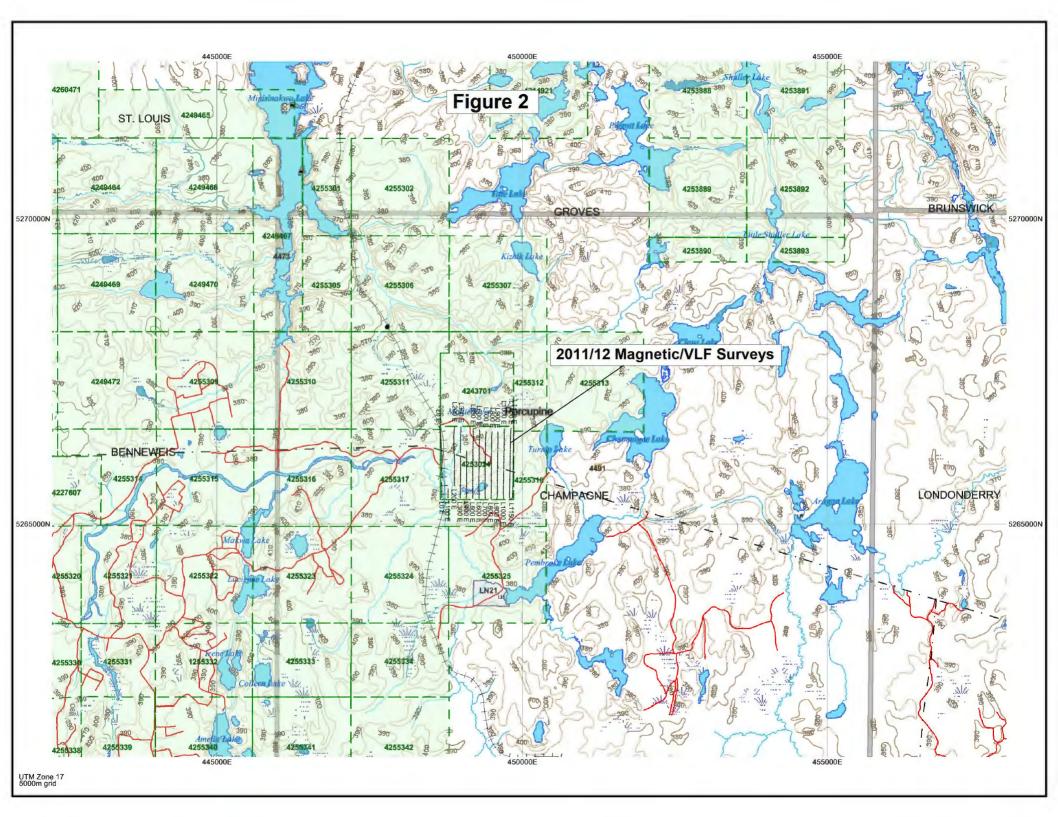
The Champagne property is located approximately 150 kilometers south of the city of Timmins in northwest Champagne Township. Access to the grid area is via highway 144 south from Timmins for approximately 150 kilometers to provincial highway 560. Travel east on highway 560 for 10 kilometers to bush road. From this point travel north for 13 kilometers. Utilizing bush trails the grid can be accessed by four wheel drive vehicles, ATV, or snowmobiles (see figures 1 and 2).

3.0 Summary of 2011 Geophysical Program

The geophysical grid totaled 13.175 kilometers, which consisted of a 1.2 kilometer long baseline striking at approximately 90 degrees. The lines were established every 100 meters along this baseline and surveyed to a lengths of between of 1100 and 1200 meters. The base line, grid lines, and all geophysical measurement locations were established via hand held GPS. The grid lines were measured every 100 meters with measurements recorded at 12.5-meter intervals along all lines.

The geophysical program consisted of total field magnetic surveying, and VLF-EM electromagnetic surveying. The total magnetic field survey and VLF-EM survey,





using a GEM GSM-19 magnetometer/VLF system, totaled 13.175 kilometers with readings collected every 12.5 meters along all lines.

The VLF-EM survey was conducted utilizing the transmitting station located in Cutler, Maine; which transmits at a frequency of 24.0 kHz. A total of 13.175 kilometers of VLF data was collected at 12.5-meter station intervals.

The geophysical data has been presented on plan maps at a scale of 1:5000, showing the profiles and postings of the VLF-EM survey, and contours and postings of the magnetic data (see maps in pocket).

A description of the survey method and equipment used can be found in Appendix A.

4.0 Discussion of Results

The magnetic survey on the Champagne grid indicates a relatively moderate magnetic background with magnetic values ranging between 56402 and 58541 nT. The background magnetic field strength is 57047 nT. The overall magnetic pattern is disrupted by several moderate strength linear shaped anomalous magnetic highs striking approximately east-west to southeast-northwest. These magnetic anomalies have been identified and labeled as M1 and M2 and are located in the central and northern portions of the grid area and are easily seen on the magnetic contour map. Anomaly M2 may be indicating a fold at line 600E (see map). These magnetic anomalies may represent mafic diabase dikes, common to this geologic setting or possibly mafic or ultramafic lithology.

In addition to magnetic anomaly M1 and M2, several fault zones have been interpreted within the grid area. These anomaly locations are indicated and shown on the contour map.

The isomagnetic contour pattern suggests an underlying lithology striking in an generally east-west direction through the grid area. All of the anomalies are easily identified and are labeled on the plan maps.

The VLF-EM survey over the Champagne grid was successful in mapping several electromagnetic conductive trends. Three conductive trends were interpreted and

identified as V1 to V3, and are shown on the magnetic contour map. The most significant conductive trends were mapped as V2 and V3, and all of the VLF-EM conductive trends display an approximate east-west to northeast-southwest strike angle. These conductive trends may be reflecting faults or structures containing mineralization which may be significant to the present exploration program. None of the VLF-EM anomalies are directly correlated with the interpreted locations of the magnetic anomalies.

5.0 Conclusions and Recommendations

The VLF-EM and magnetic surveys completed over the Champagne grid were successful in mapping several VLF-EM conductors and magnetic anomalies, as well as mapping potential structural zones within the bedrock . VLF anomalies V2 and V3 are strong anomalies and should be followed up. Anomalies V2 and V3 may reflect steeply dipping, weakly mineralized bedrock conductive horizons. This type of mineralization is often associated which valuable deposits of massive sulphides, gold and platinum group minerals. These two anomalies as well as the magnetic anomalies should be investigated by prospecting or geological mapping in order to determine their source.

It is recommended that a program of induced polarization surveying would greatly aid in better defining any possible mineralized zones indicated by the magnetic and VLF survey results. The VLF-EM surveys which may be reflecting disseminated or semi-massive accumulations of sulphide minerals. The IP surveys would greatly enhance the understanding these zones as they are often prospective for gold and base metal deposits. A limited program of either dipole-dipole or pole-dipole IP surveying with an 'a' spacing of 25 or 50 meters and reading levels of n=1 to 6 is recommended in order to further evaluate the Champagne property.

All of the responses should be investigated further in order to determine the priority of follow-up needed. The anomalies should be further screened utilizing any other different types of geophysical surveys that may have been undertaken on the Bristol grid. Any existing geological, diamond drilling or geochemical information that may exist in the mining recorder assessment files should be investigated and compiled prior to

further exploration of the Champagne property in order to accurately assess the area of the current geophysical surveys and to determine the most effective follow-up exploration method for this property.

Respectively Submitted,

Madaw Seteta

Matthew Johnston

Statement of Qualifications

This is to certify that: MATTHEW JOHNSTON

I am a resident of Timmins; province of Ontario since June 1, 1995.

I am self-employed as a Consulting Geophysicist, based in Timmins, Ontario.

I have received a B.Sc. in geophysics from the University of Saskatchewan; Saskatoon, Saskatchewan in 1986.

I have been employed as a professional geophysicist in mining exploration, environmental and other consulting geophysical techniques since 1986.

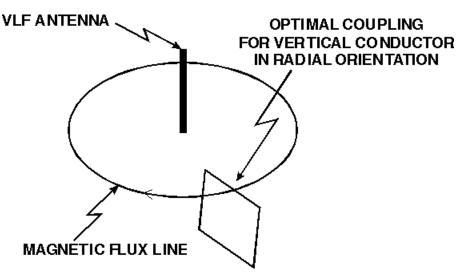
Signed in Timmins, Ontario, this February 15, 2012

Matter Jetetra

Appendix A

The VLF Method

- The very low frequency (VLF) method is a reconnaissance electromagnetic technique used mainly in mineral exploration
- The method makes use of powerful VLF transmitters (3-30 kHz) that are used for military communications
- The U.S. Navy operates 11 transmitters that serve as standard VLF sources for geophysical work



- The VLF method is essentially a tilt-angle technique. In the absence of any conductive body, the secondary field is zero, and the resultant (primary) magnetic field is thus horizontal. If a conductor is present, the associated secondary field will cause the resultant to be tilted.
- Flux linkage analysis can be used to show that vertically above the conductor, the tile angle passes through zero (see Reynolds, 1997, p. 656).
- VLF signal strength diminishes rapidly with depth (i.e., the skin depth is small). Consequently, VLF methods are primarily used to detect near-surface features, and not for depth-sounding. Data acquisition:
- The most common field technique (VLF-EM) uses a hand-held antenna. In older systems, an audio signal is nulled to determine the tilt angle. In newer systems, data acquisition is entirely digital (push one button, the electronics do the rest). The measured parameters are tilt angle (in degrees) and quadrature component (in %).
- Another field technique, known as VLF-R, uses an electrical dipole. Measured parameters are apparent resistivity (Ohm-m) and quadrature component (%).



GSM-19 v7.0 Overhauser Magnetometer / Gradiometer / VLF

The unique Overhauser unit blends physics, data quality, operational efficiency, system design and options into an instrumentation package that ... exceeds proton precession and matches costlier optically pumped cesium capabilities.

And the latest v7.0 technology upgrades provide even more value, including:

- Data export in standard XYZ (i.e. line-oriented) format for easy use in standard commercial software programs
- **Programmable export format** for full control over output
- **GPS elevation values** provide input for geophysical modeling
- <1.5m standard GPS for highresolution surveying
- <1.0 OmniStar GPS
- <0.7m for Newly introduced CDGPS
- Multi-sensor capability for advanced surveys to resolve target geometry
- **Picket marketing / annotation** for capturing related surveying information on the go.

And all of these technologies come complete with the most attractive prices and warranty in the business!

Introduction

The GSM-19 v7.0 Overhauser instrument is the total field magnetometer / gradiometer of choice in today's earth science environment representing a unique blend of physics, data quality, operational efficiency, system design and options that clearly differentiate it from other quantum magnetometers.

Terraplus

With data quality exceeding standard proton precession and comparable to costlier optically pumped cesium units, the GSM-19 is a standard (or emerging standard) in many fields, including:

- * Mineral exploration (ground and airborne base station)
- * Environmental and engineering
- * Pipeline mapping
- * Unexploded Ordenance Detencion
- * Archeology
- * Magnetic observatory measurements
- * Volcanology and earthquake prediction

Taking Advantage of the Overhauser Effect

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Overhauser effect magnetometers are

essentially proton precession devices

except that they produce an order-of

magnitude greater sensitivity. These

absolute accuracy, rapid cycling (up to 5

readings / second), and exceptionally

The Overhauser effect occurs when a

radio frequency (RF) magnetic field.

The unpaired electrons transfer their

special liquid (with unpaired electrons) is

combined with hydrogen atoms and then

exposed to secondary polarization from a

stronger polarization to hydrogen atoms,

signal-- that is ideal for very high-sensitivity

power consumption to an absolute minimum

frequencies are well out of the bandwidth of

thereby generating a strong precession

In comparison with proton precession methods, RF signal generation also keeps

and reduces noise (i.e. generating RF

In addition, polarization and signal

which enables faster, sequential

rates (i.e. sampling speeds).

measurement can occur simultaneously -

measurements. This, in turn, facilitates advanced statistical averaging over the

sampling period and/or increased cycling

magnetometers also deliver high

"supercharged" quantum

low power consumption.

total field measurement.

the precession signal).

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Maximizing Your Data Quality with the GSM-19

Data quality is a function of five key parameters that have been taken into consideration carefully in the design of the GSM-19. These include sensitivity, resolution, absolute accuracy, sampling rates and gradient tolerance.

Sensitivity is a measure of the signalto noise ratio of the measuring device and reflects both the underlying physics and electronic design. The physics of the Overhauser effect improves sensitivity by an order of magnitude over conventional proton precession devices. Electronic enhancements, such as high-precision precession frequency counters enhance sensitivity by 25% over previous versions.

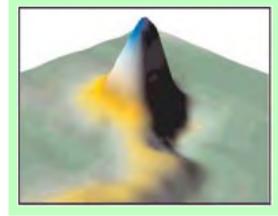
The result is high quality data with sensitivities of 0.022 nT / vHz. This sensitivity is also the same order-of magnitude as costier optically pumped cesium systems.

Resolution is a measure of the smallest number that can be displayed on the instrument (or transmitted via the download process). The GSM-19 has unmatched resolution (0.01mT)

This level of resolution translates into welldefined, characteristic anomalies; improved visual display; and enhanced numerical data for processing and modeling.

Absolute accuracy reflects the closeness to the "real value" of the magnetic field -- represented by repeatability of readings either at stations or between different sensors. With an absolute accuracy of +/- 0.1 nT, the GSM-19 delivers repeatable station-to-station results that are reflected in high quality total field results.

Similarly, the system is ideal for gradient installations (readings between different sensors do not differ by more than +/- 0.1 nT) -- maintaining the same high standard of repeatability.



The GSM-19 gradiometer data are consistently low in noise and representative of the geologic environment under investigation.

Sampling rates are defined as the fastest speed at which the system can acquire data. This is a particularly important parameter because high sampling rates ensure accurate spatial resolution of anomalies and increase survey efficiency.

The GSM-19 Overhauser system is configured for two "measurement modes" or maximum sampling rates --"Standard" (3 seconds / reading), and "Walking" (0.2 seconds / reading) These sampling rates make the GSM-19 a truly versatile system for all ground applications (including vehicle-borne applications).

Gradient tolerance represents

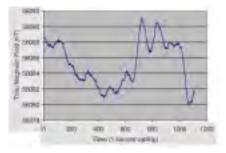
the ability to obtain reliable measurements in the presence of extreme magnetic field variations. GSM-19 gradient tolerance is maintained through internal signal counting algorithms, sensor design and Overhauser physics. For example, the Overhauser effect produces high amplitude, long-duration signals that facilitate measurement in high gradients.

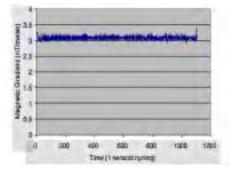
The system's tolerance (10,000 nT / meter) makes it ideal for many challenging environments -- such as highly magnetic rocks in mineral exploration applications, or near cultural objects in environmental, UXO or archeological applications.

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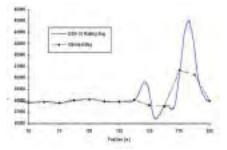
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Data from Kalahari Desert kimberlites. Courtesy of MPH Consulting (project managers), IGS c. c. (geophysical contractor) and Aegis Instruments (Pty) Ltd., Botswana.





Total Field and Stationary Vertical Gradient showing the gradient largely unaffected by diurnal variation. Absolute accuracy is also shown to be very high (0.2 nT/meter).



Much like an airborne acquisition system, the GSM-19 "Walking" magnetometer option delivers very highly-sampled, high sensitivity results that enable very accurate target location and / or earth science

decision-making.

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Increasing Your Operational Efficiency

Many organizations have standardized their magnetic geophysical acquisition on the GSM-19 based on high performance and operator preference. This preference reflects performance enhancements such as memory capacity; portability characteristics; GPS and navigation; and dumping and processing.

Memory capacity controls the efficient daily acquisition of data, acquisition of positioning results from GPS, and the ability to acquire high resolution results (particularly in GSM-19's "Walking" mode).

V7.0 upgrades have established the GSM-19 as the commercial standard for memory with over 1,465,623 readings (based on a basic configuration of 32 Mbytes of memory and a survey with time, coordinate, and field values).

Portability characteristics (ruggedness, light weight and power consumption) are essential for operator productivity in both normal and extreme field conditions.

GSM-19 Overhauser magnetometer is established globally as a robust scientific instrument capable of withstanding temperature, humidity and terrain extremes. It also has the reputation as the lightest and lowest power system available -- reflecting Overhauser effect and RF polarization advantages.



In comparison with proton precession and optically pumped cesium systems, the GSM-19 system is the choice of operators as an easy-to-use and robust system.

GPS and navigation options are

increasingly critical considerations for earth science professionals.

GPS technologies are revolutionizing data acquisition -- enhancing productivity, increasing spatial resolution, and providing a new level of data quality for informed decision-making.

The GSM-19 is now available with realtime GPS and DGPS options in different survey resolutions. For more details, see the GPS and DGPS section.

The GSM-19 can also be used in a GPS Navigation option with real-time coordinate transformation to UTM, local X-Y coordinate rotations, automatic end of line flag, guidance to the next line, and survey "lane" guidance with cross-track display and audio indicator.

Other enhancements include way point pre-programming of up to 1000 points. Professionals can now define a complete survey before leaving for the field on their PC and download points to the magnetometer via RS-232 connection.

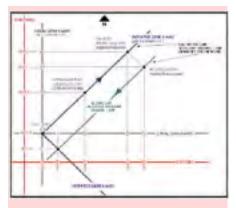
The operator then simply performs the survey using the way points as their survey guide. This capability decreases survey errors, improves efficiency, and ensures more rapid survey completion.

Dumping and processing effectiveness is also a critical consideration today. Historically, up to 60% of an operator's "free" time can be spent on low-return tasks, such as data dumping.

Data dumping times are now significantly reduced through GEM's implementation of high-speed, digital data links (up to 115 kBaud).

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This functionality is faciliated through a new RISC processor as well as the new GSM-19 data acquisition / display software. This software serves as a bi-directional RS-232 terminal. It also has integrated processing functionality to streamline key processing steps, including diurnal data reduction. This software is provided free to all GSM-19 customers and regular updates are available.

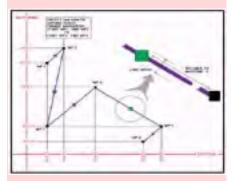


Navigation and Lane Guidance

The figure above shows the Automatic Grid (UTM, Local Grid, and Rotated Grid). With the Rotated Grid, you can apply an arbitrary origin of your own definition. Then, the coordinates are always in reference to axes parallel to the grid. In short, your grid determines the map, and not the NS direction.

The Local Grid is a scaled down, local version of the UTM system, and is based on your own defined origin. It allows you to use smaller numbers or ones that are most relevant to your survey.

The figure below shows how programmable-waypoints can be used to plan surveys on a point-by-point basis. Initially, you define waypoints and enter them via PC or the keyboard. In the field, the unit guides you to each point.



While walking between waypoints, lane guidance keeps you within a lane of predefined width using arrows (< $\circ or - >$) to indicate left or right. Within the lane, the display uses horizontal bars (--) to show your relative position in the lane. The display also shows the distance (in meters) to the next waypoint.

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Adding Value through Options

When evaluating the GSM-19 as a solution for your geophysical application, we recommend considering the complete range of options described below. These options can be added at time of original purchase or later to expand capabilities as your needs change or grow.

Our approach with options is to provide you with an expandable set of building blocks:

- * Gradiometer
- * Walking- Fast Magnetometer /
- Gradiometer
- VLF (3 channel)
- GPS (built-in and external)

GSM-19G Gradiometer Option

The GSM-19 gradiometer is a versatile, entry level system that can be upgraded to a full-featured "Walking" unit (model GSM-19WG) in future.

The GSM-19G configuration comprises two sensors and a "Standard" console that reads data to a maximum of 1 reading every three seconds.



An important GSM-19 design feature is that its gradiometer sensors measure the two magnetic fields concurrently to avoid any temporal variations that could distort gradiometer readings. Other features, such as single-button data recording, are included for operator ease-of-use.

GSM-19W / WG "Walking" Magnetometer / Gradiometer Option

The GSM-19 was the first magnetometer to incorporate the innovative "Walking" option which enables the acquisition of nearly continuous data on survey lines. Since its introduction, the GSM-19W / GSM-19WG have become one of the most popular magnetic instruments in the world.

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Similar to an airborne survey in principle, the system records data at discrete time intervals (up to 5 readings per second) as the instrument is carried along the line.

At each survey picket (fiducial), the operator touches a designated key. The system automatically assigns a picket coordinate to the reading and linearly interpolates the coordinates of all intervening readings (following survey completion during post-processing).

A main benefit is that the high sample density improves definition of geologic structures and other targets (UXO, archeological relics, drums, etc.).

It also increases survey efficiency because the operator can record data almost continuously. Another productivity feature is the instantaneous recording of data at pickets. This is a basic difference between the "Walking" version and the GSM-19 / GSM-19G (the "Standard" mode version which requires 3 seconds to obtain a reading each time the measurement key is pressed).

GSM-19 "Hands-Free" Backpack Option

The "Walking" Magnetometer and Gradiometer can be configured with an optional backpack-supported sensor. The backpack is uniquely constructed permitting measurement of total field or gradient with both hands free.

This option provides greater versatility and flexibility, which is particularly valuable for high-productivity surveys or in rough terrain.

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GSM-19GV "VLF" Option

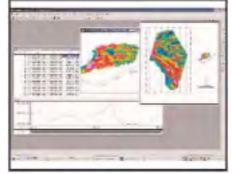
With its omnidirectional VLF option, up to 3 stations of VLF data can be acquired without orienting. Moreover, the operator is able to record both magnetic and VLF data with a single stroke on the keypad.

3rd Party Software - A One-Stop Solution for Your Potential Field Needs

As part of its complete solution approach, Terraplus offers a selection of proven software packages. These packages let you take data from the field and quality control stage right through to final map preparation and modeling.

Choose from the following packages:

- Contouring and 3D
- Surface Mapping
- Geophysical Data
- Processing & Analysis
- * Semi-Automated Magnetic Modeling * Visualization and
 - Modeling / Inversion



Geophysical Data Processing and Analysis from Geosoft Inc.



GSM-19 with internal GPS board. Small receiver attaches above sensor

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Website:	www.terraplus.ca

Tel: 905-764-5505 Fax: 905-764-8093

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Version 7 -- New Milestones in Magnetometer Technology

The recent release of v7.0 of the GSM-19 system provides many examples of the ways in which we continue to advance magnetics technologies for our customers.

Enhanced data quality:

- * 25% improvement in sensitivity (new frequency counting algorithm)
- new intelligent spike-free algo rithms (in comparison with other manufacturers, the GSM-19 does not apply smoothing or filtering to achieve high data quality)

Improved operational efficiency:

- * Enhanced positioning (GPS engine with optional integrated / external GPS and real-time navigationl)
- * 16 times increase in memory to 32 Mbytes
- * 1000 times improvement in processing and display speed (RISC microprocessor with 32-bit data bus) 2 times faster digital data link (115 kBaud through RS-232)

Innovative technologies:

- Battery conservation and survey flexibility (base station scheduling option with 3 modes - daily, flexible and immediate start)
- * Survey pre-planning (up to 1000 programmable waypoints that can be entered directly or downloaded from PC for greater efficiency)
- * Efficient GPS synchronization of field and base units to Universal Time (UTC)
- * Cost saving with firmware up grades that deliver new capabilities via Internet

More About the Overhauser System

In a **standard Proton magnetometer**, current is passed through a coil wound around a sensor containing a hydrogenrich fluid. The auxiliary field created by the coil (>100 Gauss) polarizes the protons in the liquid to a higher thermal equilibrium.

When the current, and hence the field, is terminated, polarized protons precess in the Earth's field and decay exponentially until they return to steady state. This process generates precession signals that can be measured as described below.

Overhauser magnetometers use a more efficient method that combines electronproton coupling and an electron-rich liquid (containing unbound electrons in a solvent containing a free radical). An RF magnetic field -- that corresponds to a specific energy level transition -- stimulates the unbound electrons.

Instead of releasing this energy as emitted radiation, the unbound electrons transfer it to the protons in the solvent. The resulting polarization is much larger, leading to stronger precession signals.

Both Overhauser and proton precession, measure the scalar value of the magnetic field based on the proportionality of precession frequency and magnetic flux density (which is linear and known to a high degree of accuracy). Measurement quality is also calculated using signal amplitude and its decay characteristics. Values are averaged over the sampling period and recorded.

With minor modifications (i.e. addition of a small auxiliary magnetic flux density while polarizing), it can also be adapted for high sensitivity readings in low magnetic fields. (ex. for equatorial work)

GPS - Positioning You for Effective Decision Making



The use of Global Positioning Satellite (GPS) technology is increasing in earth science disciplines due to the ability to make better decisions in locating and following up on anomalies, and in improving survey cost effectiveness and time management.

Examples of applications include: Surveying in remote locations with no grid system (for example, in the high Arctic for diamond exploration)

- * High resolution exploration mapping
- High productivity ferrous ordnance (UXO) detection
- * Ground portable magnetic and gradient surveying for environmental and engineering applications
- Base station monitoring for observing diurnal magnetic activity and disturbances with integrated GPS time

The GSM-19 addresses customer requests for GPS and high-resolution Differential GPS (DGPS) through both the industry's only built-in GPS (as well as external GPS).

Built-in GPS offers many advantages such as minimizing weight and removing bulky components that can be damaged through normal surveying. The following table summarizes GPS options.

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GPS Options:

Description	Range	Services	
		Time	
GPS Option A		Reception	
		only	
GPS Option B	<1.5m	DGPS*	
GPS Option C	<1.0m	Ag 114 DGPS*,	
		OmniStar	
	<0.7m		
GPS Option D	<1.2m	CDGPS, DGPS *,	
	<1.0M	OmniStar.	
	Output		
Time, Lat / Long, UTM, Elevation and			
number of Satel	lites		
*DGPS with SBAS (WASS/EGNOS/MSAS)			

Key System Components

Key components that differentiate the GSM-19 from other systems on the market include the sensor and data acquisition console. Specifications for components are provided on the right side of this page.

Sensor Technology

Overhauser sensors represent a proprietary innovation that combines advances in electronics design and quantum magnetometer chemistry.

Electronically, the detection assembly includes dual pick-up coils connected in series opposition to suppress far-source electrical interference, such as atmospheric noise. Chemically, the sensor head houses a proprietary hydrogen-rich liquid solvent with free electrons (free radicals) added to increase the signal intensity under RF polarization.

From a physical perspective, the sensor is a small size, light-weight assembly that houses the Overhauser detection system and fluid. A rugged plastic housing protects the internal components during operation and transport.

All sensor components are designed from carefully screened non-magnetic materials to assist in maximization of signal-to-noise. Heading errors are also minimized by ensuring that there are no magnetic inclusions or other defects that could result in variable readings for different orientations of the sensor. Optional omni-directional sensors are available for operating in regions where the magnetic field is near-horizontal (i.e. equatorial regions). These sensors maximize signal strength regardless of field direction.

Data Acquisition Console Technology

Console technology comprises an external keypad / display interface with internal firmware for frequency counting, system control and data storage / retrieval. For operator convenience, the display provides both monochrome text as well as real-time profile data with an easy to use interactive menu for performing all survey functions.

The firmware provides the convenience of upgrades over the Internet via its software. The benefit is that instrumentation can be enhanced with the latest technology without returning the system to us -- resulting in both timely implementation of updates and reduced shipping / servicing costs.

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Performance

Sensitivity:	0.022 nT / vHz@1Hz
Resolution:	0.01 nT
Absolute Accuracy	r: +/- 0.1 nT
Dynamic Range:	15,000
	to 120,000 nT
Gradient Tolerance	e: > 10,000 nT/m
Sampling Rate:	60+, 3, 2, 1,
	0.5, 0.2 sec
Operating Temp:	-40C to +55C

Operating Modes

Manual:

Coordinates, time, date and reading stored automatically at minimum 3 second interval.

Base Station:

Time, date and reading stored at 3 to 60 second intervals.

Remote Control:

Optional remote control using RS-232 interface.

Input / Output:

RS-232 or analog (optional) output using 6-pin weatherproof connector

Mobile:	
Base Station:	
Gradiometer:	
Walking Magnetometer:	

Dimensions

Console: Sensor:

Weights

Console:2.1 kgSensor and Staff Assembly:1.0 kg

Standard Components

GSM-19 console, GEMLinkW software, batteries, harness, charger, sensor with cable, RS-232/USB cable, staff, instruction manual and shipping case.

1,465,623

5,373,951

1,240,142

2,686,975

223 x 69 x 240 mm

175 x 75mm diameter cylinder

Optional VLF

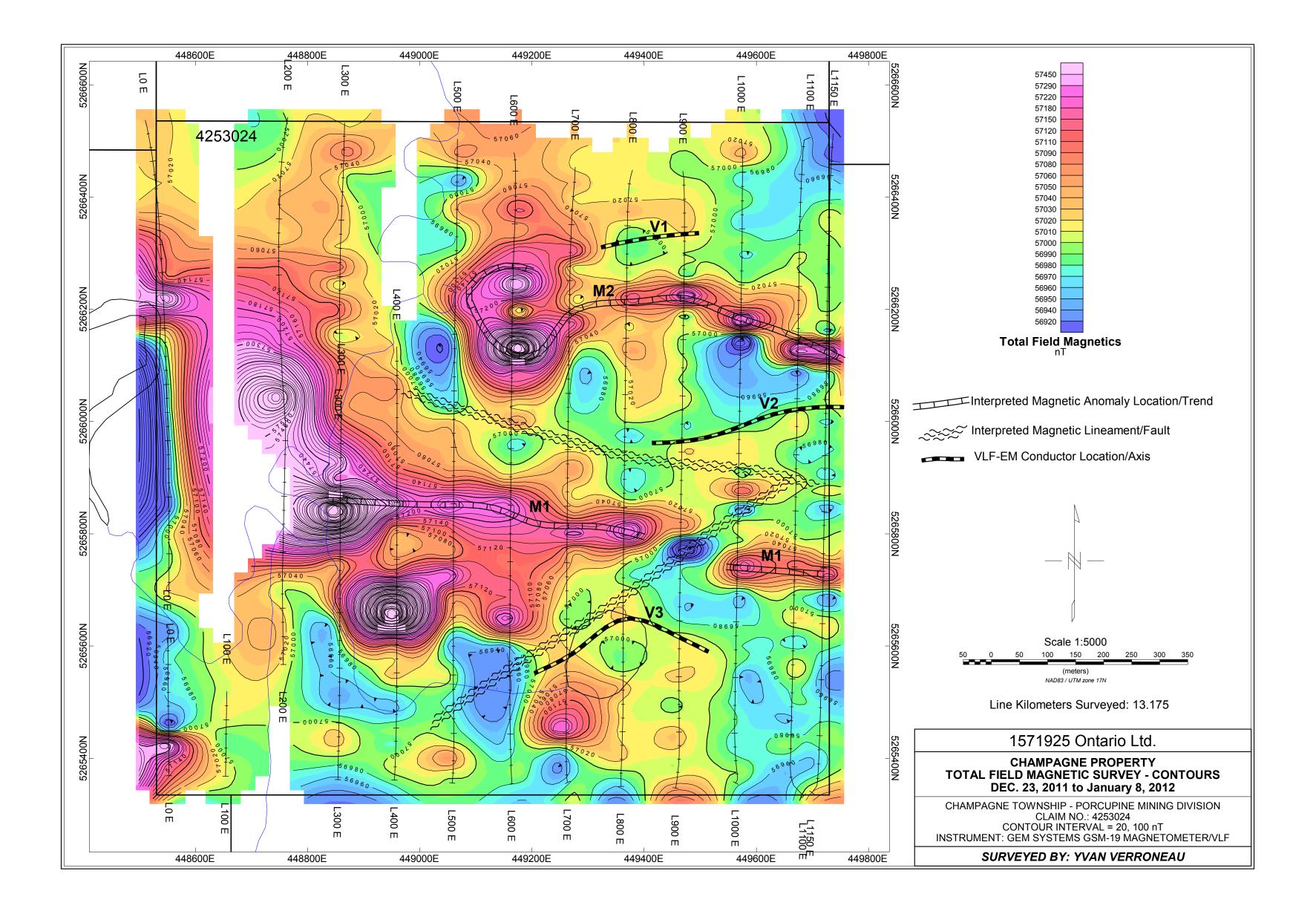
Frequency Range:	Up to 3 stations between 15 to 30.0 kHz
Parameters:	Vertical in-phase and out-of phase
	components as % of total field. 2 components
	of the horizontal field amplitude and total field

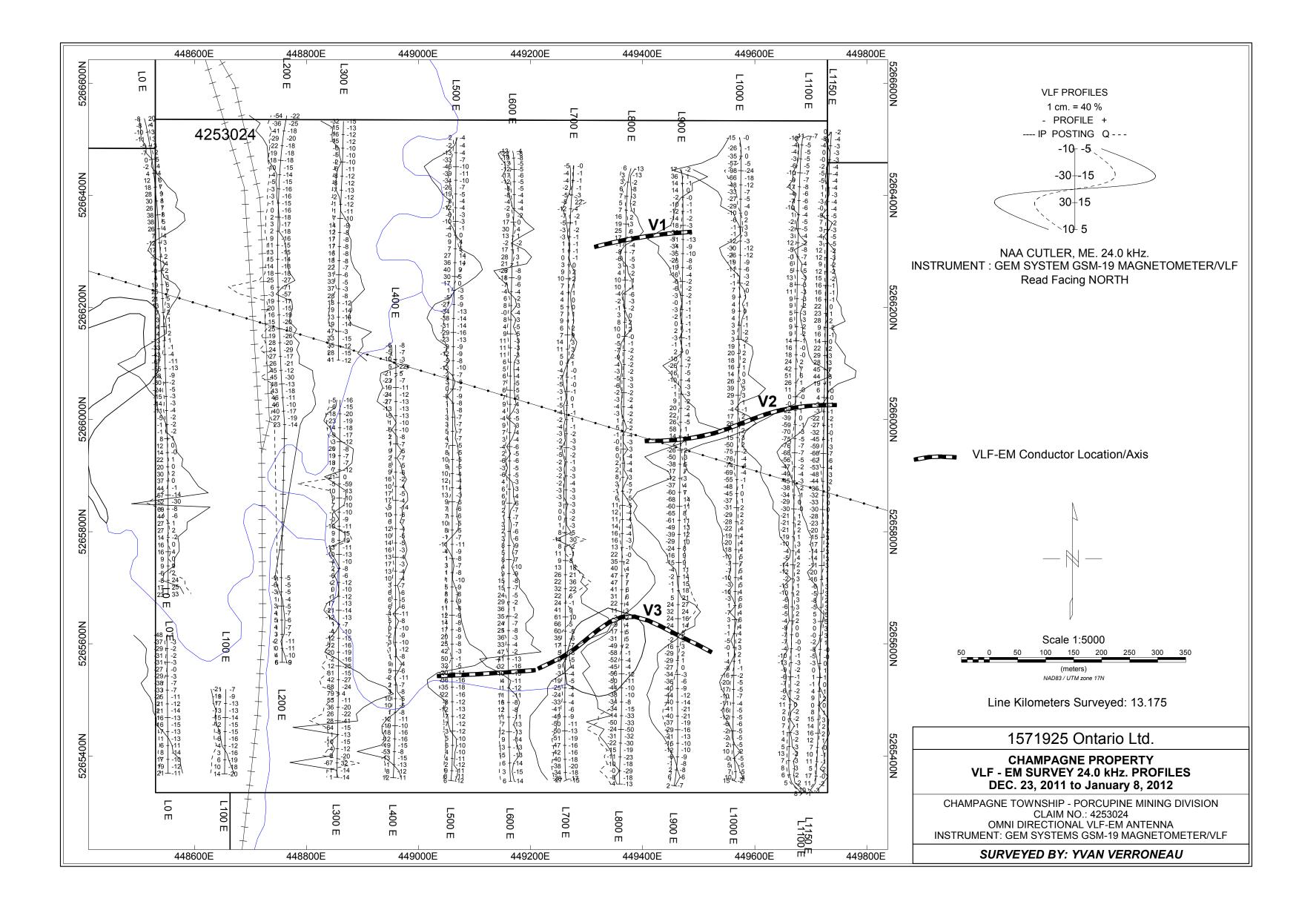
strenght in pT

Resolution:

0.1% of total field

Tel: 905-764-5505 Fax: 905-764-8093 Email: sales@te Website: www.ter





		448600E	448800E	449000E	449200E	449400E	449600E	44980
5266600N	L0 E		L300 E 	L500	-		L1100	L1150
25	\ 57 \ 51	027023	/ 57015 / 56982					
	+ 5	7038 7025 7028 7028	56998 57021 56998 57036 57000 57068 57006 57130 57006 57108	57020 57062 57098	С П 57057 57033 57035	9 0	57014 56935 57064 56933 57047 56983	9 - 56946 56866
NOC		57022 57024 57027 57018 57019	+57012 +57042 57014 56984 57020 +56984 57027 57006	57081 -56990 56943 -56901 56932	+57046 57063 +57034 +	57012 57014 5693 57020 57020 570 57056 57006 570 57029 57002 570	57012 56947 56957 56957 56970 56950 08 56971 56956	56947 56957
5266400N		57007 57044 57060 - 57016	+ 57044 + 57031 57037 57034 - 57036 + 57040 57043 57042 + 57033 + 57040	+ 56997 57086 57089 57025	+ 57106 + 57081 + 57145 + 57145	57012 57004 570 57016 56996 570 57057 57114 570	13 56979 56963 23 57004 56975 20 56978 56974 29 56977 56984	56966 - 56981 56988 - 57035
		57050 + 57084 57121 + 57113	+57033 +57040 57025 57029 57019 57038 57018 57024 57076 +56941		+57107 +5 56989 5 57154 5 57004 5	57061 57002 -570 57095 57009 570 7089 56962 569 7064 57006 569	34 + 56966 + 56962 56 56996 56983 75 56998 + 56984	57010 57003 56989 57003
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266200N		- 57102 57231 - 57671 57325	57145 56981 57148 56972 57084 57087 57146 57142	57101 57142 57142 57184 57184 57181	57501 5 57643 - 5 56887 5	7141 + 56981 + 569 7098 56960 575 7017 + 57355 + 570 7002 57116 569 6910 + 57056 + 570	72 + 56996 + 57048 73 57038 57060 82 57049 57013 46 57083 57050	56992
5266		+ 57208 57094 + 57014 56990	57178 57129 57222 57076 57190 57025 57206 56974 57219 56997	(TT) 57132 + 57045 56989 + 56961	57190 5 57561 5 56854 5 56822 5	57056 + 57057 7201 57007 5707 7358 - 57000 + 5699 7131 57059 5700 7038 + 57000 + 5699 5700 - 5699	22 57260 57004 39 57392 57020 00 56837 57037	57000 56996 57014 57015
		+ 57010 57007 - 56969 56985 + 56968	- 57216 57241 57354 57427 57427 57057 57067 57097	57026 56950 57032 56943 56941 56959 57046 56959	+ 57370 + 57 58542 57 - 57010 + 56	7057 57035 5700 7053 57089 5600 7021 57039 570 9996 57006 570	07 56902 57489 74 56922 57189 12 56928 56947 16 56921 56947	- 56993 57039 - 57642 57061 - 56955
7		56964 	+ 57486 57438 + 57513 57679 57679 57713 570733	+ 57059 + 56963 57061 56969 + 57069 + 56978 57076 56972	+ 57150 + 56 57251 56 + 57401 + 57	5984 57010 5697 5986 - 57018 - 5698 5986 57043 5700 0000 - 56988 - 57023 5971 57023 5702	'9 56942 56936 03 - 56945 - 56960 06 - 56941 - 56950 24 - 56967 - 56970	- 56955 56937 - 56986 57003 - 57009
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Z	\mathbf{i}	56942 56943 56926 56916 56914 56944 57009	57855 58007 57914	57271 57263 -57401 -57503 57425 57204 -57074 -57123 57129 57099	57252 57 -57550 -57 57089 57 -57170 -57	016 56982 5698 035 -56989 -5699 042 56982 5703	7 + 56854 + 56974 - 56993 + 56985 -	- 56976 57035 57032 56903 - 56966 56974 - 57002 57003 - 57002 57010 - 57004 47020
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		56986 56976 57005 57003 57018	- 57071 - 57017 57086	+57065 +57075 57072 57137 57110 +57440 57172 57179	57037 57 57077 57 57077 57 57112 57 57238 57	019 -57044 -5700 136 -57010 -5697 029 -57010 -5698 030 56972 5698 031 57014 5696 020 -57021 -5698 020 -57021 56999 024 -57018 56992 996 -57017 -56925	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	57020 -57072 57132 - 57276
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5265		156925 100 56969 00 56980 00 56970 56956 56959 56959	57023 57023 57012 56968 56964 56964 56973	57037 56952 - 57017 - 56964 57007 56989 - 57004 - 57032	- 56942 57 - 56949 57 - 56942 57 - 56947 57	980 57022 56933 968 -57030 56994 990 57027 56994 901 57027 56994 9021 -56990 57018 903 56997 57018 904 56990 57018 905 56980 56997 906 56980 56997 907 56980 56997 9036 -56996 56996 9031 569938 57038 9042 -56990 -57032 9058 57124 57020 9058 56991 57020	3 56986 56957 4 56966 56977 5 57179 57000 5 56818 57034 5 56942 57058 5 56947 57058	56985 56977 55950 56941
		56950 56990 56967 57004 57015	56962 56939 56908 56964	- 56976 - 56979 56993 - 56959 - 56971 - 56963	56948 57	113 56997 56997 56997	56987 56982 57004 56949 56963 56986 56966 56986 56968 57000	-56937 56936 56954 56958 57000
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52(57373 + 57005 57020 57010 - 57243 - 57018	56965 56946	57006 57009 57009 57009 57009 56985 56986 569976 56998	56982 56 56975 56975	959 17020 17020 932 56988 57020 973 56985 57003 902 57018 56990 904 56953 57011 56966 57049 57049	569971 57011 56959 569971 569875 569875 569875	56948 56996 57009 9007
		L100 E	L300	L500 E	L700 E L600 E	L900 E		
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