Technical Report for the Freegold Mountain Property Guder Target Evaluation Project (YMEP Project 14-042) Yukon Territory

Volume I - Report

Latitude 62°18'N, Longitude 137°12'W

Map sheets115I/3, 115I/6, and 115I/7

Whitehorse Mining District

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Summary

Northern Freegold Resources Ltd. (“Northern Freegold”) holds 100% ownership of the Freegold Mountain Project (the “Project”). The Project is located approximately 200 km north-northwest of the city of Whitehorse and 70 km northwest of the town of Carmacks within the Dawson Range. Carmacks is situated on the Klondike Highway, a paved all-weather highway running from Whitehorse to Dawson City. From Carmacks, the unpaved Freegold road, along with subsidiary gravel roads, provides access to a large portion of the Project including the Bow Creek camp, the Revenue camp, the Nucleus deposit, the Revenue deposit, the Tinta Hill deposit and numerous other prospective mineral occurrences.

In 1930 prospector P.F. Guder discovered lode gold on the western side of Freegold Mountain. During the autumn and winter of 1930-1931 prospectors rushed to the region, staking over 100 claims. Placer and surface exploration for gold continued intermittently until the 1950s when the focus of exploration in the Dawson Range shifted to porphyry copper occurrences. Since the 1960s the Freegold Mountain Property has been owned and explored by various individuals and companies resulting in a patchwork of claims. An extensive soil geochemistry survey in the late 1960s led to the initial discovery of the three currently known deposits on the Project. In 2006 the claims were consolidated for the first time under Northern Freegold Resources Ltd, who has conducted extensive exploration from 2006 through 2013.

The Project includes 1052 contiguous two-post Yukon Quartz claims and covers an area of approximately 200 square kilometres of the Whitehorse Mining District. The Project is comprised of four individual exploration properties including Tinta Hill (140 Claims), Freegold (332), Goldstar (80 claims) and Golden Revenue (325 claims) as well as 175 additional claims staked by Northern Freegold in 2009.

The Dawson Range district of west-central Yukon is known for it's numerous Cretaceous Cu-Au-Mo porphyry and Au deposits, prospects and occurrences which today hold a global bedrock resource of ~ 15 Moz Au (Allan et al, 2013). The Project lies within the Dawson Range district and contains three NI43-101 compliant resources including the Nucleus, Revenue, and Tinta Hill deposits which together represent ~ 4.9 Moz AuEq as of January 2013.

The greater Freegold Mountain area is underlain by allocthonous Paleozoic or older metasedimentary and lesser metavolcanic rocks belonging to the Yukon-Tanana Terrane. The basement metamorphic rocks are extensively intruded by at least three episodic, punctuated magmatic events ranging in age from Jurassic through to Late Cretaceous and are considered to be part of the Coast Plutonic Complex (Allan et al, 2013).

The property is transected by moderately to steeply dipping, north westerly faults which parallel the regional Tintina and Denali faults. The Project tenament is bounded by one of these major regional structures: the regionally continuous Big Creek fault to the northeast and a less prominent splay to the southwest. A complex array of anastomosing west-northwest and north-northwest secondary structures related to dextral strike-slip motion have developed within this fault system. It is currently understood that the Freegold Mountain area, more specifically the Big Creek fault system was the locus of a protracted Late Cretaceous (79-68 Ma) calc-alkaline magmatic event which is directly related to the significant metal endowment recognized on the Property (Allan et al, 2013, Bineli et al, 2010).

Several deposit models are represented within the Project tenament which include calc-alkalic porphyry gold-copper+/-silver+/-molybdenum+/-tungsten and associated telescoping mesothermal-epithermal vein and breccia systems. Copper-gold-molybdenum porphyry targets within the Freegold Project, covering a 6 km strike extent of the Big Creek fault system, include the Revenue Deposit and the Stoddart prospect. Associated deposit types of the porphyry model include skarn (Nucleus Deposit, Augusta showing) and low sulphidation to intermediate sulphidation epithermal systems and related polymetallic veins (Nucleus Deposit, Tinta Hill Deposit, Ridge prospect, Goldy prospect, Dart prospect, Melissa showing).

The goal of the 2014 exploration program was to advance the Irene showing as it represents a high-priority, underexplored gold-silver target. The work program consisted of trenching, bedrock mapping and sampling of the Irene showing and a 31.0 line kilometre ground magnetic and 29.0 line kilometre VLF-EM survey covering the Guder Creek drainage.

The 2014 field program began on June 18th and all related field work was completed by September 28th, 2014. A total of 21 m^3 of trenching from 12 trenches were completed at the Irene showing resulting in the collection of 45 rock chip samples and 2 rock grab samples. Three rock grab samples were collected during one day of prospecting from the headwaters of Guder Creek in proximity to the Red Fox showing.

Total expenditures on the Freegold Mountain Project in 2014 were $79,300.00. A total of $57,938.30 of the total expenditures qualify as eligible field expenses as defined by the rate guidelines provided by the Yukon Geological Survey.

Eight of the twelve bedrock trenches returned significant Au+/-Ag+/-Cu results and define a mineralized zone currently measuring at least 6.5 metres wide by 130.0 metres long. The zone remains open in all directions and represents a high-priority exploration target. Significant results from the 2014 program include: TR14-036 returning 5.19 gpt Au, 66.8 gpt Ag and 0.29 % Cu over 1.0 metres, TR14-037 returning 9.45 gpt Au, 114.5 gpt Ag and 0.79 % Cu over 1.0 metre including

high-grade assay values up to 19.90 gpt Au, 145 gpt Ag and 0.68% Cu over 0.35 metres, and grab sample MMFGR180 returning 13.40 gpt Au and 12.40 % Sb. In addition one grab sample collected from a vein 90 metres west of the Red Fox showing returned 266 gpt Ag, 1.48 gpt Au and 1.31 % Pb.

The 2014 geophysical surveys covering the Guder Creek drainage highlighted several magnetic and VLF-EM features which may prove to be highly effective tools for targeting the extensions of the Irene vein-brecca system as well as the Red Fox vein system. In addition the magnetic survey revealed two prominent magnetic high features along strike from historical workings containing magnetite+/-gold skarns, which require follow up work to determine the source of the anomalies.

Additional work is recommended to advance the three deposits and numerous prospects which comprise the Freegold Mountain Project.

Future exploration work on the Irene showing should include, but is not limited to:

- Systematic exploration of the area encompassing the Irene ($300,000.00):
    - Reinterpretation and modelling of geophysical data (Magnetic, VLF-EM and IP data) with petrophysical constraints provided form physical rock properties;
    - Detailed orientation and infill geochemical surveys of the Guder Creek catchment basin (pXRF geochemical mapping) using mechanized auger and conventional auger sampling techniques;
    - Bedrock sampling in areas of extensive cover along strike from the Irene showing using a percussion drill;
    - Bedrock mapping and trench sampling of any new exposure in placer workings;
    - Diamond drilling (minimum 500 metres) of the Irene showing;

The advancement of the Irene showing as described above is regarded as a high-priority exploration target that warrants work during the upcoming field season. At a minimum, field crews should map and sample any new bedrock exposed during any future placer mining operations in Guder Creek. The full scope of the work outlined above would require on the order of $250,000.00 - $300,000.00 of expenditures depending on camp infrastructure costs, contractor rates and the amount of trenching/percussion drilling performed in advance of diamond drilling. It would be reasonable to allocate $250,000.00 for 500 metres of preliminary diamond drilling at the Irene, which would take priority over trenching and geochemical surveys.

Future work on the Freegold Mountain Project outside of the Irene showing should include continued resource definition at the Nucleus, Revenue and Tinta Hill deposits. Grassroots exploration should be designed to evaluate, prioritize and advance targets outside of the core deposits including but not limited to the geochemical anomalies defined during historic work programs in the Discovery and Goldy zones.

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INTRODUCTION

Location and Access

The Property is located within the Yukon Territory approximately 200 km north-northwest of the city of Whitehorse and 70 km northwest of the town of Carmacks (Figure 1). Carmacks is situated on the Klondike Highway, a paved all-weather highway running from Whitehorse to Dawson City. From Carmacks, the unpaved Freegold Mountain Road, along with subsidiary unpaved roads, provides access to a large portion of the Property including the Revenue camp and the Nucleus deposit. Travel on the unpaved roads is two-wheel drive except at times of spring runoff or after heavy rain. A network of four-wheel drive roads and ATV trails provides access to the main work areas on the Property.

In 2014, Northern Freegold carried out all work from the Bow Creek camp (Figure 2) which is located immediately south of the confluence of the Bow and Seymour creeks.

The Property is located in NTS map sheets 115I/3, 115I/6, and 115I7, and is centred approximately at 62°18'N latitude and 137°12'W longitude.

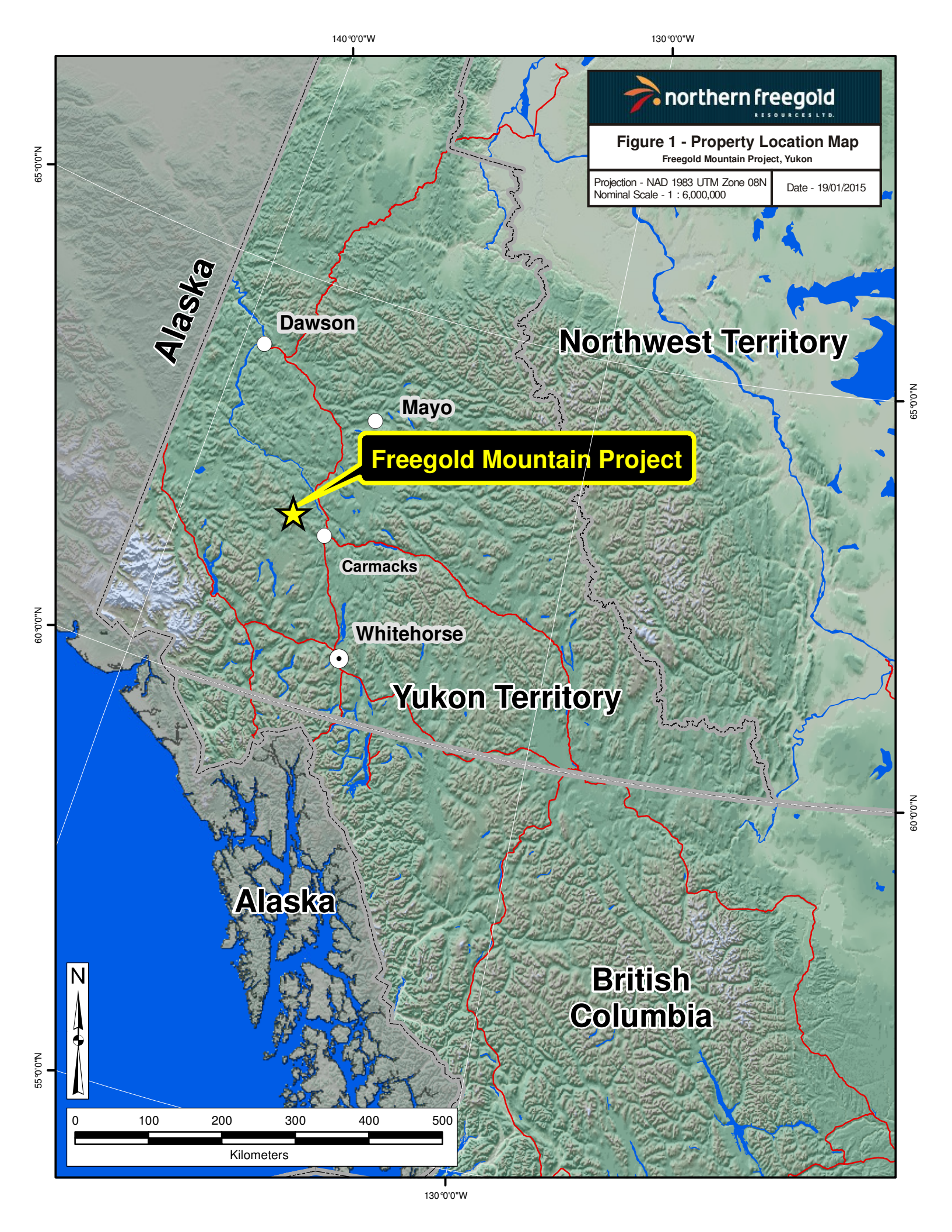
The property lies within the Dawson Range in southwestern Yukon, which is characterized by rolling hills and mountain valleys. Outcrop is sparse except along ridge tops. Elevations range from 750 m to 1510 m above sea level. Big Creek and its tributaries Seymour Creek and Bow Creek are the main perennial streams draining the property. Water in the creeks and streams is readily available most of the year.

The Property has a northern interior climate. Winters are long and have typically low precipitation, with temperatures often reaching -30° to -40°C. Summers are variably humid with common afternoon thunderstorms. The exploration season typically extends from April to October; however it is possible to work on the property year round. Permafrost is generally found at depths of greater than 1.0 metre on south facing slopes and less than 0.1 metre on north facing slopes. A layer of white volcanic ash expelled from Mt. Bona volcano of Alaska, located 250 km west of the Project, occurs throughout most of the area as an unconsolidated bed up to a few centimetres thick, locally reaching over 1.0 metre.

Vegetation consists of alpine grass and moss, willow and black spruce. Valleys are densely vegetated with spruce, birch and cottonwood. Alder and willow form dense cover over flat areas. Large areas of the Property were burned in the summer of 2004.

Most of the higher parts of the Property are unglaciated resulting in the preservation of a surface cap of weathered material. Oxidation extends to depths of 20 m to 200 m below the present ground surface depending on local structural and lithological controls.

The property is entirely within the traditional territories of Little Salmon/Carmacks First Nation and Selkirk First Nation. Both have settled their land claims with the Yukon Territorial Government and the Federal Government.


northern freegold
RESOURCES LTD.
Figure 1 - Property Location Map
Freegold Mountain Project, Yukon
Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 6,000,000
Date - 19/01/2015
140°0'0"W
130°0'0"W
65°0'0"N
60°0'0"N
55°0'0"N
Alaska
Dawson
Northwest Territory
Mayo
Freegold Mountain Project
Carmacks
Whitehorse
Yukon Territory
Alaska
British Columbia
N
0
100
200
300
400
500
Kilometers

Tenure

The Project includes 1052 contiguous two-post Yukon Quartz claims and covers an area of approximately 200 square kilometres of the Whitehorse Mining District (Figure 2). The Project is comprised of four individual exploration properties including Tinta Hill (140 Claims), Freegold (332), Goldstar (80 claims) and Golden Revenue (GR, 325 claims) as well as 175 additional claims staked by Northern Freegold in 2009. A claims listing for the entire Freegold Mountain Property can be found below in Table 1.

Table 1 – Tenure Summary for the Freegold Mountain Property

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
15494	AUGUSTA	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
15505	MARGARETE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
15519	GOLD STAR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
15549	PEERLESS	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
15677	PROTECTION	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
60420	SHEARZONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
60421	SHEARZONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
60422	VINDICATOR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
60423	VINDICATOR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
63638	LIBERTY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
63639	EXCELSIOR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
63640	EXCELSIOR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
63641	EXCELSIOR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
67180	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67181	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67182	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67183	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67184	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67185	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67186	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
67187	REVENUE COPPER	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
68060	ADDITION	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
68061	ADDITION	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
73464	PROGRESS	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
73465	PROGRESS	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
74488	ADDITION	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
74489	ADDITION	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
75321	HOMESTAKE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
75322	HOMESTAKE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
75323	ADDITION	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
90465	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
90466	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
90467	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
90468	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
91056	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
Y 21008	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21009	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21010	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21011	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21014	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21015	INCA	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21094	GREENSTONE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
Y 21270	REVENUE NO.	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 21272	REVENUE NO.	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24017	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24018	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24019	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24020	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24025	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 24026	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 25959	REV	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 25961	REV	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 25962	REV	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26361	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26362	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26365	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26366	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
Y 26371	ADD	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26372	ADD	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26404	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 26405	REVENUE	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 79564	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 79565	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 79566	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 79567	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 79568	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 80439	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 80440	AU	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
Y 80600	GOLDSTAR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA51190	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51192	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51194	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51196	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51198	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51199	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51200	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51201	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51202	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51203	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51204	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51205	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51206	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51207	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51208	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51209	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51210	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51211	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51212	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YA51213	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51214	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51215	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51216	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51217	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA51218	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60262	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60263	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60264	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60265	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60268	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA60269	NUCLEUS	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00417	06/04/19
YA92082	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92083	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92084	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92085	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92086	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92087	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92088	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92089	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92090	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92091	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92092	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92093	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92094	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92095	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92748	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92749	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92750	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92751	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92752	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YA92753	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92754	RICK	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92757	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92758	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92759	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92760	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92761	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92762	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92763	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92764	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92765	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92766	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92767	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92768	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92769	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YA92770	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92771	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92772	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92773	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92774	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92775	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92776	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA92777	CABAGE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YA95206	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95207	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95208	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95209	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95210	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95211	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95212	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95213	REV-COP	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19

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YA95214	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95215	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95216	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95217	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95218	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95219	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95220	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95221	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95222	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95223	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA95224	BIT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA97441	SUBTRACT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA97442	SUBTRACT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YA97443	SUBTRACT	Northern Freegold Resources Ltd. - 100%	2/28/2032	LQ00417	06/04/19
YB05903	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB05904	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB05905	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB05906	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB05907	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB05908	BYNORDAC	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB37987	PAULINE	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YB37988	GOLDSTAR	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC09221	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09222	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09223	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09224	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09225	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09226	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09227	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09228	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09230	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019

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YC09231	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09232	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09233	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09234	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09235	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09236	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09237	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09238	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09239	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09240	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	6/4/2019
YC09243	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09244	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09245	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09246	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09247	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09248	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09250	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09279	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09280	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09281	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09282	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09283	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09284	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09285	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09336	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC09337	MORE	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00417	06/04/19
YC18660	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18661	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18662	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18663	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18664	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016

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YC18665	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18666	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18667	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18716	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18717	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18718	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18719	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18724	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18725	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18726	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18727	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18728	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18729	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18730	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18731	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18732	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18733	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18734	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18735	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18736	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18737	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18738	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18739	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC18864	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18865	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18866	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18867	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18868	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18869	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18870	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18871	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016

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YC18872	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18873	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18874	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18875	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18876	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18877	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18878	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18879	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18880	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18881	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18882	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18883	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18884	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18885	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18886	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18887	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18888	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC18889	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18890	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC18891	HILL	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC19282	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19283	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19284	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19285	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19286	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19287	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19288	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC19289	HAPPY	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC19290	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19291	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19292	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016

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YC19293	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19564	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19565	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19566	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19567	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19568	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19569	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19570	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19571	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19572	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19573	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19574	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19575	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19576	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19577	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19653	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00193	5/29/2016
YC19654	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2030	LQ00193	5/29/2016
YC19655	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19656	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19657	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19658	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19659	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19660	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19661	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19662	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19663	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19664	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC19665	FELIZ	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC29907	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29908	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29909	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019

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YC29910	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29911	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29912	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29913	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC29914	SEY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	6/4/2019
YC30019	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30020	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30021	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30022	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30023	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30024	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30025	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30026	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30027	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30028	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30029	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30030	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30031	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30032	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30033	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30034	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30035	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30036	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30037	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC30038	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30039	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30040	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30041	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30042	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30043	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30062	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016

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YC30063	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30064	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30065	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30066	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30067	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30068	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30069	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30070	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30071	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30072	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30073	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30074	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30075	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30076	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30077	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30078	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30079	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30080	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30081	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30082	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30083	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30084	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30085	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30086	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30087	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30088	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30089	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30090	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30091	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30092	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30093	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC30094	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30095	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30096	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30097	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC30123	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30124	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30125	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30126	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30127	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC30165	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30166	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30167	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30168	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30169	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30170	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30171	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30172	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30173	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30174	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30175	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30176	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30177	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30178	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30179	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30180	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30181	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30182	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30183	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30184	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30185	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30186	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC30187	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30188	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30189	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30190	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30191	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30192	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30193	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30194	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30195	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30196	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30197	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30198	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30199	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC30200	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37001	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37002	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37003	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37004	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37005	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37006	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37007	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37008	MAG	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC37009	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37010	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37011	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37012	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37013	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37014	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37015	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37016	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37017	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC37018	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37019	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37020	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37021	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37022	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37023	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37024	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37025	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37026	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37027	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37028	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37029	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37030	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37031	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37032	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37033	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37034	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37035	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37036	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37037	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37038	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37039	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37040	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37041	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37042	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37043	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37044	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37045	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37046	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37047	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37048	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2025		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC37049	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37050	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2025		
YC37051	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37052	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2025		
YC37053	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37054	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2025		
YC37055	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC37056	NITRO	Northern Freegold Resources Ltd. - 100%	2/28/2025		
YC37127	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC37128	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC37129	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC37130	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC37131	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC37132	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC40076	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40077	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40078	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40079	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40080	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40081	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40082	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40083	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40084	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40085	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40086	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40087	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40088	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40089	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40090	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40091	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40092	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC40093	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40094	RAGE	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40095	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40096	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40097	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40098	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40099	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40100	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40101	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40102	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40103	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40104	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40105	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40106	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40107	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40108	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40109	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40110	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40111	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40112	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40113	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40114	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40917	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40918	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40919	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40920	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40921	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40922	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40923	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40924	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00327	9/7/2016
YC40925	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC40926	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40927	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40928	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40929	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40930	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40931	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40932	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40933	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC40934	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC41307	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41308	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41309	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41310	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41311	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41312	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41313	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41314	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41315	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41316	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41317	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41318	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41319	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41320	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41321	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41322	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41323	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41324	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41325	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41326	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41327	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41328	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC41329	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41330	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41331	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41332	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41333	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41334	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41335	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41336	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41337	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41338	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41339	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2030		
YC41340	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41341	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41342	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41343	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41344	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41345	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41346	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41347	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41348	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41349	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41350	DART	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC41351	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41352	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41353	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41354	DART	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC41355	DART	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00327	9/7/2016
YC41356	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41357	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC41358	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41359	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016

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YC41360	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41361	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41362	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41363	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41364	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41365	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41366	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41367	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41368	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41369	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41370	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41371	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41372	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41373	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41374	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41375	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41376	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41377	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41378	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41379	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41380	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41381	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41382	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41383	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41384	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41385	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41386	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41387	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41388	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41389	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41390	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016

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YC41391	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC41392	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41393	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41394	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41395	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41396	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41397	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41398	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41399	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC41400	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46501	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46502	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46503	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46504	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46505	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46506	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46507	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46508	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC46509	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47223	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47224	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47225	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47226	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47227	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47228	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47229	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47230	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47231	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47232	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47233	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47234	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016

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YC47235	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47236	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47237	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47238	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47239	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47240	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47241	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47242	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47243	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47244	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47245	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47246	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47247	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47311	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47312	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47313	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47314	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47315	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47316	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47317	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47318	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47319	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47320	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47321	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47322	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47323	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47324	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47325	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47326	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47327	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47328	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016

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YC47329	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47330	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47331	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47332	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47333	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47334	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47335	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47336	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47337	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47338	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47339	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47340	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47341	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47342	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47343	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47344	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47345	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47346	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47347	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47348	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47349	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47350	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47351	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47352	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47353	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47354	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47355	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47356	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47357	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47358	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47359	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016

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YC47360	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47361	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47362	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47363	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47364	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47365	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47366	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47367	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47368	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47369	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47370	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47371	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47372	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47373	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47374	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47375	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47376	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47377	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47378	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47379	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47380	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47381	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47382	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47383	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47384	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47385	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47386	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00193	5/29/2016
YC47387	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47388	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47389	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47390	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016

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YC47391	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47392	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47393	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47394	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47395	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47396	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47397	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47398	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47399	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47400	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47401	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47402	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47403	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47404	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47405	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47406	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47407	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47408	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47409	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47410	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47411	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47412	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47413	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47414	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47415	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47416	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47417	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47418	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47419	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47420	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47421	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19

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YC47422	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47423	NUC	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC47424	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47425	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47426	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC47427	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47428	FROH	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC47429	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47430	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47431	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47432	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47433	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47434	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47435	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47436	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47437	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47438	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47439	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47440	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47441	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47442	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47443	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47444	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47445	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47446	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47447	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47448	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47449	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47450	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47451	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47452	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC47453	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47454	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47455	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47456	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47457	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47458	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47459	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC47460	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53685	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53686	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53687	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53688	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53689	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53690	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53691	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC53692	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC54137	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC54138	GLEN	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC54139	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC54140	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC54141	DART	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00327	9/7/2016
YC54142	DART	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC54143	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC54144	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC54145	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC54146	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC54147	AU	Northern Freegold Resources Ltd. - 100%	2/28/2028	LQ00417	06/04/19
YC54330	BIG	Northern Freegold Resources Ltd. - 100%	2/28/2028		
YC57816	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57817	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57818	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC57819	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57820	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57821	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57822	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57823	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57824	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57825	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57826	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57827	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57828	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57829	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57830	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57831	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57832	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2023	LQ00193	5/29/2016
YC57833	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2023	LQ00193	5/29/2016
YC57834	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57835	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57836	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57837	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57838	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57839	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57840	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57841	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2027	LQ00193	5/29/2016
YC57842	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2023	LQ00193	5/29/2016
YC57843	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2023	LQ00193	5/29/2016
YC57844	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00193	5/29/2016
YC57845	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00193	5/29/2016
YC65081	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC65082	TINTA	Northern Freegold Resources Ltd. - 100%	2/28/2029	LQ00193	5/29/2016
YC65083	DART	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016
YC65084	DART	Northern Freegold Resources Ltd. - 100%	2/28/2026	LQ00327	9/7/2016

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YC65085	DART	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC65086	DART	Northern Freegold Resources Ltd. - 100%	2/28/2025	LQ00327	9/7/2016
YC65775	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65776	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65777	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65778	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65779	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65780	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65781	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65782	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65783	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YC65784	GOLDY	Northern Freegold Resources Ltd. - 100%	2/28/2024	LQ00193	5/29/2016
YD17148	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95142	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95105	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95106	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95107	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17142	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17143	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17144	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17145	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17146	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17147	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16920	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17118	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17113	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17136	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17130	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17139	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17137	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17141	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YD17140	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16936	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16929	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16930	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16931	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16932	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16933	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16934	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16935	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16956	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16953	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16954	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16955	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17068	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17063	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17064	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17065	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17066	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17067	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17213	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17202	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17203	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17204	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17205	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17206	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17207	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17208	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17209	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17210	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17211	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17212	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YD17215	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17214	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17219	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17216	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17217	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17218	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18387	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18382	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18383	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18384	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18385	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18386	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95110	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95111	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95112	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95115	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95116	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95117	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16921	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16922	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16923	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16924	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16925	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16926	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16927	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16928	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16937	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16938	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16939	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16940	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16941	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YD16942	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16943	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16944	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16945	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16946	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16967	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16947	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16948	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16949	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16968	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16969	FREE A	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16950	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16951	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16952	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16957	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16958	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16959	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16960	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16961	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16962	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16963	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16964	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16965	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16966	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16970	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16971	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16972	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16973	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16974	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16975	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16976	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Permit	Permit Expiry Date
YD16977	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16978	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16979	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16980	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16981	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16982	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16983	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16984	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16985	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16986	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16987	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16988	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16989	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16990	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16991	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16992	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16993	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16994	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16995	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16996	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16997	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16998	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD16999	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17051	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17052	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17053	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17054	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17055	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17056	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17057	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17058	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim ExpiryDate	Permit	Permit Expiry Date
YD17059	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17060	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17061	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17062	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17069	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17070	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17071	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17072	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17073	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD17201	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18388	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18389	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18390	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18391	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18392	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18393	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18394	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18395	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18396	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18397	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18398	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18399	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18400	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18401	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18402	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18403	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18406	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18407	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18408	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YD18409	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		
YC95108	FREE	Northern Freegold Resources Ltd. - 100%	2/28/2023		

Grant Number	Claim Name	Claim Owner	Claim ExpiryDate	Permit	Permit Expiry Date
YC95109	FREE	Northern Freegold Resources Ltd. - 100%	02/28/23		

On March 15th, 2006, Northern Freegold entered into an option agreement with ATAC Resources Ltd to earn a 50% interest in the GR Property, which included the Nucleus, Revenue, Nitro and Sey properties. On August 22nd, 2007, this agreement was canceled and a new agreement to acquire a 100% interest in the property was entered into with ATAC. Under the terms of the new agreement Northern Freegold was required, in addition to the $35,000 cash payments and issuance of 400,000 shares already made per the previous agreement, to:

(1) make aggregate cash payments of $150,000 to the optionor as follows:

(i) $20,000 on execution of the agreement (paid);

(ii) $30,000 on or before May 1, 2008 (paid);

(iii) $100,000 on or before May 1, 2009 (paid);

(2) issue and deliver an aggregate of 1,900,000 fully paid and non-assessable common shares of the Company to the optionor as follows:

(i) 300,000 shares on execution of the agreement (issued);

(ii) 600,000 shares on or before May 1, 2008 (issued);

(iii) 1,000,000 shares on or before May 1, 2009 (issued);

ATAC will retain a 1% NSR on the GR Property. An underlying 2% NSR on the Revenue Zone (part of the property) exists and a 1.5% NSR can be purchased for $600,000. An underlying 2% NSR on the Nucleus Zone has been purchased for 200,000 shares (issued).

Figure 2 - Tenure Summary Map

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N | Date - 19/01/2015

Nominal Scale - 1 : 30 000

370000 375000 380000 385000 390000 395000 400000

6920000 6910000 6900000 6890000

Big Creek

Big Creek

Big Creek

Revenue Camp

Bow Creek Camp

Seymour Creek

Seymour Creek

Stoddart Creek

Bow Creek

Legend

- Camp Location
- Roads
- River
- Tenure
- Lake
- LQ00417 Exploration Permit
- LQ00327Exploration Permit

2 1 0 2 4 6 8 Kilometers

History and Previous Work

In 1930 prospector P.F. Guder discovered lode gold on the west side of Freegold Mountain. During the autumn and winter of 1930-1931 prospectors rushed to the region, staking over 100 claims. Placer and surface exploration for gold continued intermittently until the 1950s when the focus of exploration in the Dawson Range shifted to porphyry copper occurrences. Since the 1960s the Property has been owned and explored by various individuals and companies resulting in a patchwork of claims. An extensive soil geochemistry survey in the late 1960's led to the discovery of the Nucleus Deposit ("Nucleus"). In 2006 the claims were consolidated for the first time under Northern Freegold Resources Ltd, who continues to conduct extensive exploration of the property.

The work history of the Freegold Mountain property has been compiled by Pautler (2006) and Fonseca and Giroux (2009) and was revised and edited by Dodd, Dyck and Miller (2009) and again by Armitage et al. (2012). A detailed history of exploration on the Property (with references) is provided below:

Table 2 – History of Exploration on the Freegold Mountain Property

Year	History of exploration on the Freegold Mountain Property
1968	Yukon Revenue Mines Ltd. staked a portion of the property as part of the larger property of Revenue. Until re-staking in 1980, Nucleus was explored as a zone of the Revenue property, and as part of the now defunct Car and Com claims (Baird, 1968; Granger, 1970).
1970	In 1970 these claims were optioned along with the Revenue portion by Kaiser Resources Ltd. Work included a soil sampling grid, a widely spaced grid of bulldozer trails and trenches, four diamond drill holes (639 m total) and five percussion holes (416 m total) (Johnson 1970).
1980	The property was partially restaked, after lapsing, by Nat Joint Venture. Work consisted of reconnaissance mapping and soil sampling. This season represented the first time the property was explored separate from the Revenue main zone (Onasick and Archer 1981).
1981	In 1981 Nat Joint Venture staked more Nucleus claims followed by geological mapping, line-cutting, soil sampling and a magnetometer survey. Two of the 1970 drill holes were resampled and relogged (Onasick and Archer 1981).
1982	Nat Joint Venture continued geological mapping, soil sampling and reconnaissance chip sampling, collecting 907 soil, 46 bulk rock and 24 grab samples. At the end of this soil sampling there were four anomalous zones slated for further exploration. (Eaton and Nelson 1982).
1983	In 1983 NAT Joint Venture dug 3 bulldozer trenches to bedrock on the most accessible of the 1982 gold soil anomalies. These trenches were mapped and sampled (Eaton 1983).
1984	In 1984, NAT Joint Venture carried out a minor soil sampling program, an electromagnetic survey, 3581 linear m of bulldozer trenching and three diamond drill holes (315 m total) (Eaton 1984).
1985	A first pass column heap leach study and a cyanide bottle test was completed by Coastech Research Inc. at the request of Archer Cathro and Associates (Wilson, B, 1985).
1986-1991	Big Creek Resources Ltd. and Rexford carried out multi-element soil geochemical, magnetic and EM surveys, extensive mechanized trenching and drilled 35 RC holes (1283 m total) and 11 diamond drill holes (1330 m total) (Eaton 1986; Main 1988; Becker and Eaton 1991).
1986	NORDAC Mining Corp. carried out trenching, a grid soil geochemical survey and re-examined all pre-1985 drill holes (Eaton 1986).
1996	YKR (originally Yukon Revenue) carried out ground magnetometry and VLF-EM surveys (Davis, 1996).
1999	ATAC purchased the claims from YKR and conducted a detailed magnetic survey that defined magnetic anomalies. The EM survey, located over mineralized zones exposed in the trenches, was less successful (Becker 2000).

Year	History of exploration on the Freegold Mountain Property
2000	ATAC lumped the Nucleus and Revenue properties under the title of Golden Revenue. They performed soil sampling, prospecting and mapping on both properties (Becker 2001).
2001	ATAC drilled six diamond drill holes (1202 m total), dug eight (1092 m) trenches, and carried out 16.9 linear km of IP and 0.9 km of horizontal loop electromagnetic (HLEM) surveys. All six holes were within a 200m by 200m area in the core of Nucleus Zone (Becker 2001).
2004	ATAC drilled 14 diamond drill holes totalling 1858 m expanding the drilled zone significantly to encompass an area roughly 1050m long and 350m wide (Dumala 2004).
2006	In 2006 Northern Freegold Resources Ltd. signed an option agreement with ATAC Resources Ltd. on the Golden Revenue property. 26 diamond drill holes were drilled (4798 m total), a petrographic alteration survey of selected drilled holes was performed and limited silt and BLEG sampling was completed (Robertson et al. 2007). Geotech Ltd. was contracted to conduct a helicopter-borne domain electromagnetic geophysical survey over the Freegold project area.
2007	Northern Freegold Resources Ltd. conducted exploratory work in the Nucleus zone including: 28 diamond drill holes (6312 m total) with sections of oriented core, 32 RAB holes (1659 m) infrared spectroscopic analyses of selected drill holes, a petrographic alteration survey, limited prospecting and mapping, reprocessing of selected data from the 2001 IP survey and 2006 airborne surveys, a 36 km line IP and geophysical rock characterization test work and an orthophoto (air photo) was taken over the entire project.
2008	Northern Freegold Resources Ltd. conducted exploratory work including: 53 diamond drill holes (13287 m total) and 28 RAB drill holes (1755 m total), infrared spectroscopic analyses of selected drill holes, limited prospecting and mapping (Tikhomirova, 2008), reprocessing of the 2006 magnetic and EM airborne surveys, production of a 3D chargeability survey, ground magnetic survey, and two radiometrics test lines. Following the 2008 field season an initial inferred NI43-101 resource of 1.1 million ounces in the Nucleus zone was calculated (Fonseca and Giroux, 2009).
2009	Northern Freegold Resources Ltd. drilled 43 diamond drill holes (10431 m total), 21 RAB holes (1246 m total), executed a property wide stream sediment sampling program (Lewis, 2009), conducted outcrop mapping (Miller, 2010) and did petrography on selected samples (Colombo, 2010). IP, ground magnetic and gamma-ray spectrometry surveys were conducted (Constantini, 2009) and a reinterpretation of property-wide 2006 helicopter borne VTEM and magnetics survey (Geotech, 2006) was completed (Constantini, 2009). Preliminary metallurgical testing for gold recovery was completed on coarse rejects from the 2009 Nucleus drilling program.
2010	Northern Freegold Resources Ltd. Field activities in 2010 included ground geophysics, soil and rock sampling, and reverse circulation (RC) and diamond drilling (James et al, 2011). Ground geophysics included a 65 line-km Titan-24 Induced Polarization Survey over the Nucleus & Revenue deposits, conducted by Quantec Geoscience of Toronto, Ontario. In total, NFR drilled eleven diamond drill holes (3,106m) and six RC holes (862m) in the Nucleus deposit and 5 diamond drill holes (1,531m) and 40 RC holes (5,634m) in the Revenue deposit. Updated resource estimate (Campbell, et al. 2010).
2011	Northern Freegold Resources Ltd. Twenty seven diamond drill holes totalling 12,375m were completed in the Revenue deposit. No fieldwork was conducted in the Nucleus deposit. An updated resource estimate was produced for the Nucleus Zone (Campbell & Armitage, 2011).
2012	Northern Freegold Resources Ltd. A resource estimate was produced for the Revenue deposit (Armitage et al., 2012). Preliminary metallurgical testing for gold recovery was completed on coarse rejects from Revenue and Nucleus drilling programs.
2013	Northern Freegold Resources Ltd., completed 28.6 line km of geochemical soil sampling totalling 1176 samples, 200 m^3 of trenching in 26 trenches, 15 C-horizon soil samples, 207 rock chip samples, 26 rock grab samples, 3 petrographic samples, 2 whole rock grab samples, 5 stream sediment samples, geostatistical analysis and geological mapping and compilation (McCuaig & Higgs, 2014).

GEOLOGY

Regional Geology

(After Armitage et al. 2012)

The Freegold Mountain Project is nested within the Dawson Range Cu-Au-Mo district, of the Tintina Gold Province, which spans from western Alaska to the Yukon-Northwest Territory border and hosts significant intrusion-related gold systems (Thompson et al. 1999; Lang and Baker 2001; Maloof et al. 2001; Hart, 2007; Bineli et al. 2010). The northwest trending Dawson Range Cu-Au-Mo district, more specifically the Freegold Mountain area hosts numerous mineral occurrences related to Middle through Late Cretaceous magmatic activity including the Revenue Deposit (Cu-Au+/-Mo+/-W porphyry) and the Nucleus Deposit (skarn and epithermal precious metal mineralization) (Bineli et al. 2010).

The Dawson Range is a northwest-trending geographical region underlain predominantly by Early Jurassic to Late Cretaceous plutons, which extends over 250 km from Carmacks to the Alaska border. The region is located on the boundary of Stikine and Yukon-Tanana terranes (Figure 3). The Yukon-Tanana Terrane is a composite terrane of metamorphic assemblages and batholiths thought to represent an island arc and associated miogeoclinal sediments that were deposited on the North American continental margin and accreted during Late Triassic to Early Jurassic times. Regional metamorphic grade varies from greenschist to lower amphibolite facies (Payne et al. 1987).

Yukon-Tanana Terrane is comprised of Early Mississippian meta-plutonic rocks of the Simpson River Suite and Mississippian and older undifferentiated metasedimentary and metavolcanic rocks. Previous names for Yukon-Tanana rocks include Nasina Schist, Pelly Gneiss, Yukon Crystalline and Cataclastic Terrane, Selwyn Gneiss and Yukon Group.

Stikine rocks are represented by the Early Jurassic Granite Mountain Batholith, comprised of lineated rocks of quartz diorite and granodiorite to quartz monzonite composition that intrude the Yukon-Tanana Terrane. Younger unfoliated Cretaceous granitoids from the Middle Cretaceous Dawson Range Batholith intrude the above units along major northwest trending structures.

The youngest rocks in the region are volcanic and associated shallow intrusions of the Mt. Nansen, Prospector Mountain or Carmacks Group suites, all of Middle to Late Cretaceous age and are visually difficult to distinguish from each other. The Mt. Nansen rocks are likely co-magmatic with the Dawson Range Batholith and are dated at 105-100 Ma. Late Cretaceous plutons in the Dawson Range are thought to have been derived through subduction processes and melt generation within the mantle, whereas Middle Cretaceous intrusions were generated through partial melting of the Yukon Tanana Terrane basement complex (Selby et al. 1999).

The younger Late Cretaceous event (79-68 Ma) was a regional scale hydrothermal event that formed precious and base metal deposits in all older lithologies (Allan et al, 2013). A capping of volcanic flows covered much of the area, trapping heat underneath and producing large scale hydrothermal fluid flow. Mineral deposits and large areas of alteration were produced. The Late Cretaceous magmatic event is represented by both the Carmacks Group volcanics and the Prospector Mountain Suite volcanics.

The main structural features in the region are moderately to steeply dipping north westerly shear and fault zones with a right lateral sense, parallel to the regional Tintina and Denali faults. The major structural feature in the Project area area is the northwest trending Big Creek fault zone and is currently understood to be the locus of numerous porphyry Cu-Au-Mo mineral occurrences, and both stratigraphically and structurally hosted gold deposits, as well as associated placer gold across the Freegold Mountain area (Allan et al, 2013).

Figure 3 - Regional Geology (After Allan et al, 2013)
Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 200,000

Date - **19/01/2015**

350000

400000

6950000

6900000

N

HOOCHEKOO FAULT

TATCHUN FAULT

Minto

Mica Creek

Big Creek Fault

Big Creek

Nucleus

Revenue

Irene

Stoddart

Margarete

Tinta Hill

Dart

Goldy

Klaza River

Rowlinson Creek

Carmacks

0 5 10 15 20 25 Kilometers

Geology (After Allan et al, 2013)

- Uncosolidated Neogene Sediments
- Nisling Range Plutonic Suite
- Prospector Mountain Plutonic Suite
- Whitehorse Plutonic Suite
- Aishihik Plutonic Suite
- Long Lake Plutonic Suite
- Taylor Mountain Plutonic Suite
- Selkirk Volcanics
- Skukum Volcanics
- Carmacks Group
- Windy Table Group
- Mount Nansen Volcanics
- Nordenskiold Formation
- Povoas Formation
- Semenof Formation
- Dawson-Clinton Creek-Anvil Association
- Windy Group
- Sulphur Creek Plutonic Suite
- Reid Lakes Volcanics
- Klondike Schist
- Devonian to Mississippian amphibolite schist and gneiss
- Paleozoic Ultramafics
- Simpson Range Plutonic Suite
- Ross Volcanics
- Undivided metamorphic rocks
- Tantalus Formation
- Laberge Group
- Aksala Formation
- Aksala Limestone
- Nasina Assemblage
- Nisling-Snowcap Assemblage
- Indian River Formation

Base Data

- Settlements
- Mine(s)
- Mineral Showing
- Mineral Deposit
- Lake
- NFR Tenure
- Primary Highway
- Secondary Highway
- Road
- Historical Road
- Resource Road/Trail
- Unknown Road
- River, Stream

Structure

- Fault, mapped (normal, strike-slip, unknown)
- Fault, inferred (normal, strike-slip, unknown)
- Thrust Fault, mapped
- Thrust Fault, inferred

Property Geology

(after Armitage et al., 2012, McCuaig & Higgs 2013 and McCuaig 2014)

Property geology has been compiled from over 70 years of data collected through drilling, field mapping, geophysics and geochemistry. All materials from which the geology map was compiled have been referenced at the end of the report and are identified with an asterisk.

The Property lies within a belt of Paleozoic or older metasedimentary and lesser metavolcanic rocks belonging to the Yukon-Tanana Terrane (Figure 4). The basement metamorphic suite represents a diverse grouping of lithologies including banded quartz-feldspar-mica schists and gneiss, chlorite schist, amphibolite, grey marble, skarn, mylonite and quartzites. All rock types exhibit a penetrative foliation oriented northwest and dipping steeply to the northeast.

The basement metamorphic rocks of the Yukon-Tanana Terrane are extensively intruded by igneous rocks of least three different ages (Bineli et al, 2010). These include:

(I) Early Jurassic Aishihik and Long Lakes suites (Johnston 1995), comprising the Big Creek Syenite (Tempelman-Kluit, 1984) (orthoclase-hornblende porphyritic syenite, plagioclase-hornblende monzonite, and hornblendite), and the Granite Mountain Batholith (Tempelman-Kluit, 1984), composed of foliated coarse-grained hornblende-biotite granodiorite and leucogranodiorite;

(II) Middle Cretaceous Whitehorse Plutonic Suite (Gordey and Makepeace, 2000), including the Dawson Range Batholith (Tempelman-Kluit, 1984) (hornblende-biotite-quartz diorite, hornblende-biotite diorite, and biotite-hornblende granodiorite), the Casino granodiorite (Gordey and Makepeace, 2000), and the Coffee Creek Granite (Carlson, 1987) (ranging in composition from granite to quartz monzonite);

(III) Late Cretaceous Carmacks Group; Late Cretaceous Prospector Mountain Suite (Johnston, 1995), comprising the Casino Plutonic Suite (Johnston, 1995) (leucocratic granite, quartz monzonite, and alaskite with associated aplite phases), the Bow Creek Granite (Carlson, 1987) (biotite granite and related quartz feldspar porphyry dykes), and the Seymour Creek Stock (McCausland et al., 2001) (bioite-hornblende granodiorite to quartz monzonite).

Late Cretaceous igneous rocks are observed as conspicuous light grey-buff-beige to greenish weathering quartz-feldspar porphyry dykes which range in composition from trachyte-dacite-rhyolite and lesser andesite. Aphanitic feldspar is commonly observed as a white-buff-beige groundmass which can host quartz and feldspar phenocrysts up to several mm in diameter. At the Revenue Deposit, the intrusive breccia body and aplite dykes have been dated at 78-75 Ma and are interpreted to represent the Carmacks Group (Allan et al, 2013). Geochemical studies conducted by Bineli et al, 2010 indicate that Late Cretaceous dykes and plutons on the Freegold Mountain property are K-rich (up to 7.75 wt % K_2O) and plot within the high-K calc-alkaline series (SiO_2 vs. K_2O). It is currently understood that the Freegold Mountain area, more specifically the Big Creek fault system was the locus of a protracted Late Cretaceous (79-68 Ma) calc-alkaline magmatic event which is directly related to the significant metal endowment recognized on the property (Allan et al, 2013, Bineli et al, 2010).

Alteration

(after Armitage et al, 2013)

Alteration assemblages recognized on the Property include:

1) sericitic (pseudomorphic white mica after feldspars and chlorite-pyrite after mafic grains);
2) phyllic (texture-destructive muscovite replacing feldspars and mafics);
3) intermediate argillic (kaolinite and lesser smectite and interlayer clays replacing feldspars);
4) potassic (orthoclase overgrowths over strongly white mica-clay altered plagioclase, and adularia-muscovite along veinlet envelopes);
5) propylitic (epidote, zoisite, clinozoisite, chlorite, carbonate, albite).

Contact metamorphic alteration zones are common along microgranite plug contacts, and produces greisenization of schists. The wall rock and breccia associated with porphyry style mineralization are locally affected by early phase potassic alteration (secondary biotite) and quartz-sericite alteration.

Mineralization

Mineralization on the property is directly associated with Middle Cretaceous and Late Cretaceous magmatic rocks and

related hydrothermal systems. The younger Late Cretaceous event (79-68 Ma) is genetically associated with the formation of the Nucleus and Revenue deposits, the Stoddart prospect and presumably many of the numerous mineral occurrences observed across the property (Allan et al, 2013, Bineli, 2011).

Several deposit models are represented within the Project tenament which include calc-alkalic porphyry gold-copper+/-silver+/-molybdenum+/-tungsten and associated telescoping mesothermal-epithermal vein and breccia systems. Copper-gold-molybdenum porphyry targets within the Freegold Project, covering at present a 6 km strike extent of the Big Creek fault system, include the Revenue Deposit and the Stoddart prospect. Associated deposit types of the porphyry model include skarn (Nucleus Deposit and the Augusta showings) and low sulphidation to intermediate sulphidation epithermal systems and related polymetallic veins (Nucleus Deposit, Tinta Hill Deposit, Goldy prospect and the Irene showing).

The following text aims to provide a general overview of the major styles of mineralization observed but by no means is an exhaustive overview of the numerous documented mineral occurrences across the property.

The Revenue Deposit and Stoddart prospect are characterized by mineralization which occurs as porphyry style veins, stockworks and disseminated sulphides hosted in granodiorite and porphyry breccia systems (ie: Revenue tuffisite). Economic minerals include gold, copper (predominantly chalcopyrite) and silver with lesser molybdenum and tungsten (sheelite). More specifically, Revenue mineralization is observed as clots of pyrite, chalcopyrite and molybdenite within the matrix of the Revenue breccia. Chalcopyrite-pyrite+/-quartz veinlets also cut the matrix and clasts of the Revenue breccia. Later quartz-pyrite+/-marcasite-pyrrhotite-chalcopyrite-arsenopyrite-gold veins and breccia cavity replacement and/or fill occur. Whitin the granodiorite unit adjacent to the Revenue breccia, early magnetite+/-pyrite-chalcopyrite veinlets are cross cut by quartz-molybdenite-chalcopyrite-pyrite+/-pyrrhotite-scheelite-powellite-calcite veins (Wrighton, 2013).

The Nucleus Deposit is a telescoping porphyry-epithermal system where different hydrothermal events, both mineralizing and not, are overprinting one another (Bineli et al, 2010). Mineralization is present as veinlets, disseminations, and zones of semi-massive skarn-style sulphide, and is characterized by quartz-pyrite-chalcopyrite-carbonate ± marcasite-pyrrhotite-arsenopyrite-galena-Bi-Te-(S)-gold mineral assemblages (Wrighton, 2013). Petrographic work indicates that massive sulphide-veining was the earliest of the mineralizing events, followed by the pyrrhotite-rich, semi-massive to massive sulphide horizons, with the latest mineralization being associated with the quartz veining and breccias (Colombo 2009).

The Goldstar (Margarete, Discovery, Augusta) is a grouping of historic showings where mineralization typically occurs as native gold within semi-massive magnetite-epidote-diopside-garnet-calcite skarn horizons within Yukon-Tanana Terrane metasediments (Roberts, 1974).

The Tinta Hill Deposit is characterized by epithermal polymetallic shear zone hosted mineralization typically occurring as sulphide-rich veins containing sphalerite, galena,pyrite, silver and sulphosalt (tetrahedrite-tennantite) minerals, chalcopyrite, arsenopyrite and stibnite, in a carbonate and quartz gangue ± specular hematite, hematite, barite and fluorite. Silver minerals often occur as inclusions in galena and native gold and electrum occurs in some deposits. Gold grades are generally low given the amount of sulphides present. Some veins contain more chalcopyrite and gold at depth (Lefebure and Hõy, 1996).

The Goldy prospect is characterized by epithermal vein and breccia hosted mineralization. Dark grey siliceous veins and/ or breccias which display multiple episodes of brecciation and veining/healing textures generally return the highest gold grades. Mineralization is characterized by blue-grey chalcedony-arsenopyrite+/-pyrite within vein and breccia systems and is observed as fine grained pyrite-arsenopyrite+/-gold replacement of mafic minerals within igneous rocks (Miller, 2008).

The Irene showing is a new gold discovery and is characterized by mesothermal-epithermal mineralization typically occurring as sulphide rich veinlets, veins and breccias containing gold, argentiferous tetrahedrite, chalcopyrite, pyrite, arsenopyrite, stibnite and rare sphalerite, in a carbonate (dolomite+/-calcite) – quartz gangue. Sulphide replacement (pyrite-arsenopyrite) of mafic minerals within the host biotite hornblende granodiorite is common, and observed within vein-breccia halo alteration zones.

Structural Geology

The Project tenement is bound by two major structures: The regionally continuous, prominent northwest-trending topographic and aeromagnetic Big Creek North and the lesser Big Creek South Fault Zones parallel the regional Tintina and Denali Faults (Bineli et al, 2011). Between these fault zones a complex array of anastomosing, bifurcating west-northwest and north to northwest secondary structures related to dextral strike-slip motion have developed.

Allan et al, 2013 suggest that the protracted Late Cretaceous magmatic event responsible for the significant deposition of both precious and base metals in the Freegold Mountain area was related to localized extension along the Big Creek fault system within a transtensional pull-apart basin type setting. Furthermore a series of parallel west-northwest trending, moderately northeast dipping structures played an integral role in focusing the emplacement of subaerial volcanic rocks and related porphyry and epithermal mineralization (Allan et al, 2013). These structural features are manifested as well

developed foliation, faults, and fractures which trend west-northwest to northwest and dip steeply to the north and northeast. Mineralization at the Nucleus, Revenue, and Tinta Deposits as well as the Margarete and Irene occurrences are primarily controlled by these two sets of secondary structures. For example the mineralized vein structure at the Irene showing trends approximately 315° and the main shear zone hosting the Tinta Hill Deposit trends approximately 335°. The past producing G3 Vein located on the adjacent La Forma property is an exception to this trend and represents a different structural domain hosting mineralization. The La Forma epithermal gold deposit is hosted within the G3 shear zone trending 205°/80° (Right Hand Rule), and has been traced over a strike length of 425 metres (Adamson, 1982).

Structures oriented northeast appear to be the latest event in the Freegold Mountain region, and in some cases are post mineralization. All mineralized zones are cross-cut by late brittle fault zones trending west northwest, northwest, and northeast. The structural features described above are easily observed in the composite orthophoto of the property, and control all major drainages and lineaments on the property.

northern freegold RESOURCES LTD.

Figure 4 - Property Geology Map *Refer to references for complete citation

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 60,000

Date - 19/1/2015

370000 375000 380000 385000 390000 395000 400000

6920000 6915000 6910000 6905000 6900000

N

Nucleus
Revenue
Jilly-Bob
Melissa
Irene
Ridge
Stoddart
Red Fox (Vindicator)
Margarete
1935 Shaft
Tinta Hill
Dart
Goldy

Property Geology Compilation*

- Alkali Leucogranite (ALGR)
- Andesite (AND)
- Aplite (APL)
- Bow Creek Granite (BCG)
- cg Porphyrytic Granite (CPGR)
- Diorite (DIO)
- Dyke (DYK)
- Gneiss (GNE)
- Granite (GRA)
- Granodiorite (GRD)
- Hornblende Monzonite (HMON)
- K-Monzonite (KMON)
- Leucogranite (LGR)
- Microgranite (MGR)
- mg Porphyritic Granite (MPGR)
- Quartz-Feldspar Porphyry (QFP)
- Quartz Monzonite (QMO)
- Metasediments (SCH)
- Shear Corridor (SHE)
- Syenite (SYE)
- Tuffisite (TUF)
- Undifferentiated Granite (UGRA)

Legend

- Mineral Deposit
- Mineral Showing
- Inferred Secondary Structures
- Inferred Regional Structures
- Tenure

0 1 2 3 4 5 Kilometers

2014 Exploration Program

The 2014 exploration program was in part funded by the Yukon Mineral Exploration Program (YMEP) and consisted of 44 person days with a crew ranging in size from two to three persons. Field activities were based out of the Bow Creek camp (Nad 83 Zone 8N E 385065, N 6910190), and occurred during four separate trips to the property. A summary of field work dates and related activities is provided below:

June 18th – 22nd, 2014: Mapping & sampling of the Irene showing and prospecting of Guder Creek (crew of 2 people).

June 22nd – 28th, 2014: Geophysics survey of Guder Creek (crew of 2 people).

July 17th – July 20th, 2014: Mapping and sampling of the Irene showing (crew of 2 people).

August 2nd – August 4th, 2014: Mapping and sampling of the Irene showing (crew of 2 people).

September 26th – September 28th, 2014: Mapping and sampling of the Irene showing (crew of 3 people).

The goal of the 2014 exploration program was to advance the Irene showing as it represents a high-priority exploration target. The work program consisted of the following exploration activities:

- Trenching, bedrock mapping and sampling of the Irene showing;
- Ground magnetic and VLF-EM survey coverage of the Guder Creek drainage.

Project Specifics:

- 21 m^3 of trenching from a total of 12 trenches;
- 45 rock chip samples;
- 5 rock grab samples;
- 31.0 line-km of ground magnetics and 29.0 line-km VLF-EM surveys.

Total expenditures on the Freegold Mountain Project in 2014 were $79,300.00. A total of $57,938.30 of the total expenditures qualify as eligible field expenses as defined by the rate guidelines provided by the Yukon Geological Survey.

2014 Exploration Results

Trenching Program

A total of 12 trenches were completed during the 2014 program which were opened using the heavy equipment operating within the active placer operation on Guder Creek (provided by Dodge Machining Corporation) and were prepared for sampling by TerraLogic Exploration Inc staff using hand tools. Trenching activities were completed by: Derek Dodge, Mike McCuaig, Jason Kolcun, Jesse Campbell and Nathan Taylor. All trenches have been reclaimed by Dodge Machining Corporation with 10 + metres of tailings from the active placer operation.

Refer to Table 3 for a complete summary of trenching activities.

Table 3 – Trench Location Summary Data

Trench Number	MLU Approval	Claim Number	Length of Trench (m)	Total Volume Disturbed (m^3)	Disturbance Type	Status	Easting	Northing	Map Datum
TR14-027	LQ00417	YC29911	6.0	1.0	Hand	Reclaimed	386598	6910423	Nad 83 Zone 08 N
TR14-028	LQ00417	YC29911	6.0	1.0	Hand	Reclaimed	386613	6910418	Nad 83 Zone 08 N
TR14-029	LQ00417	YC29911	2.0	1.0	Hand	Reclaimed	386573	6910435	Nad 83 Zone 08 N
TR14-030	LQ00417	YC29911	9.0	1.0	Hand	Reclaimed	386617	6910414	Nad 83 Zone 08 N
TR14-031	LQ00417	YC29911	10.0	10.0	Mechanized	Reclaimed	386649	6910392	Nad 83 Zone 08 N
TR14-032	LQ00417	YC29911	2.0	1.0	Hand	Reclaimed	386646	6910378	Nad 83 Zone 08 N
TR14-033	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386653	6910371	Nad 83 Zone 08 N
TR14-034	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386621	6910402	Nad 83 Zone 08 N
TR14-035	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386608	6910412	Nad 83 Zone 08 N
TR14-036	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386621	6910419	Nad 83 Zone 08 N
TR14-037	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386620	6910419	Nad 83 Zone 08 N
TR14-038	LQ00417	YC29911	1.0	1.0	Hand	Reclaimed	386618	6910417	Nad 83 Zone 08 N

Trenching Summary TR14-027 to 038 (Discovery Zone – Irene showing, Figure 5a)

Trenches TR14-027 to TR14-038 were completed in the base of the active placer operation on Guder Creek, and continued to expand the Irene showing. Detailed sample and geologic logs are provided in Appendices 4 & 6 respectively. A total of 45 chip samples and 2 grab samples were collected from 12 trenches during the 2014 program. Refer to Plate 3 & Plate 4 for typical trench configuration and sample layout protocol.

Historic work in the area includes a 353 sample soil survey (50 m stations on lines 100 m apart) within the Guder Creek drainage basin completed by Noranda in 1986 which has identified several areas of coincident > 90th percentile Au and As values. Boulders of magnetite carrying native gold were found in the creek during the 1986 program and returned assays up to 170.00 gpt Au, and are currently being recovered from active placer mining operations in Guder Gulch suggesting a local gold bearing magnetite skarn horizon sourced from the headwaters of the creek. Sampling in 1987 returned 2.20 gpt Au, 5.8 gpt Ag and 2560 ppm As from fractures within metasedimentary rock and pyrite stringers up to 10 cm wide have reportedly been observed in bedrock of the placer operation in Guder Gulch. Noranda conducted 242 line metres of mechanized trenching from six trenches during 1987 in the Guder Gulch area. The program was hindered by permafrost which limited bedrock exposure, however an assay of 2.14 gpt Au with 324 ppm As was returned from a bedrock sample in Trench TGC-87-02 located approximately 500 metres northwest of the Irene showing.

The local geology is characterized by variably altered light grey to white metasedimentary rock (paraschist), rare dark grey to black biotite rich mafic dykes, buff white to grey quartz-feldspar porphyry dykes and variably magnetic, dark green-grey to light grey, medium grained, hypidiomorphic biotite hornblende magnetite granodiorite. All of the rock units display moderate to intense sericite (quartz-sericite-pyrite) alteration and intense phyllic (clay) alteration in proximity to mineralized veinlets, veins and breccias and can be classified as vein-halo type distribution. Intense chalcedonic quartz-pyrite replacement is directly related to one phase of brecciation/vein development and mineralization associated with brittle deformation, and is texture destructive. Clay alteration is pervasive within brittle shear zones and selectively replaces feldspar within the biotite hornblende granodiorite. The hydrothermal alteration enveloping the vein-breccia system is magnetite destructive, a rock property that provides constraint on the mineralized zone within the biotite hornblende granodiorite whilst interpreting ground and airborne magnetics data.

Mineralization observed at the Irene showing can be classified into two different types and may represent evolution of the hydrothermal system, or different unrelated mineralizing events exploiting the same structure. The two types of mineralization observed can be classified by mineralogy, geochemistry and vein textures as follows:

1. Type 1: Pyrite-Arsenopyrite-Stibnite-Gold+/-Sphalerite-Quartz (chalcedony)-Dolomite-Calcite, Geochemical Signature (Fe, As, Sb, Au+/-Zn+/-Ag), Vein Textures (Brecciated, Colloform Banding, Vuggy, Massive Stibnite Crystals, Chalcedony Quartz Flooding);

Plate 1 – Type 1 Mineralization (MMFGR180 – 13.40 gpt Au, 12.40 % Sb)



2. Type 2: Pyrite-Marcasite-Chalcopyrite-Argentiferous Tetrahedrite-Gold-Arsenopyrite-Quartz-Ankerite, Geochemical Signature (Ag, As, Au, Bi, Cu, Fe, Pb, Sb, Zn), Vein Textures (Massive Pyrite-Marcasite-Pyrrhotite-Chalcopyrite-Arsenopyrite-Tetrahedrite-Ankerite-Quartz).

Plate 2 – Type 2 Mineralization (MMFGR211 – 19.90 gpt Au, 145 gpt Ag, 0.68 % Cu)



Both types of mineralization are hosted within veins, veinlets, breccias, and to a lesser degree within gouge and as fine grained disseminated crystals selectively replacing mafic minerals (primarily biotite) within the granodiorite. The mineralized vein-breccia systems have preferentially exploited the contact between the granodiorite intrusion, quartz-feldspar porphyry dykes, and metasedimentary rock units within a splay of the Big Creek Fault Zone. The majority of the mineralized vein system sampled to date is contained within the granodiorite. Type 1 mineralization is classified as low sulphidation epithermal mineralization, whilst Type 2 mineralization is currently being classified as intermediate sulphidation epithermal to mesothermal mineralization. There is a clear difference in the geochemistry between the two types of mineralization, most notably a significant increase in Ag, Bi, Cu and Pb from the Type 1 to Type 2 mineralization. The Type 1 mineralization is interpreted to have formed in a shallow epithermal environment distal to the parent magmatic hydrothermal system (low temperature quartz, near neutral pH, lack of Bi-Cu signature in the geochemistry, open space veins, brittle vein textures) where as Type 2 mineralization is interpreted to have formed in close proximity to, or directly sourcing magmatic hydrothermal fluids (Marcasite indicates low pH environment, Ag-Au-Cu-Bi-Pb-Sb signature indicative of magmatic fluids associated with the Dawson Range Porphyry belt as defined by Chapman et. al., 2012).

The Irene showing is located within a prominent northwest trending structural feature which forms the steeply incised Guder Gulch, and is interpreted to be a splay of the Big Creek Fault Zone. Veining and mineralization roughly parallel Guder Gulch and the contact between the two major rock units (granodiorite and metasediments) with an average strike of 300° and dip moderately to steeply northeast from 53° to 90° (RHR). Brittle shear zones containing disseminated mineralization and abundant clay gouge also parallel the vein/breccia systems and the fault contact between the two rock units. A slickenline (stretching lineation) containing pyrite mineralization observed at MMFGG050 (TR14-038), trend 145°/plunge 12°, indicated that an unknown amount of right-lateral oblique strike-slip displacement was contemporaneous with mineralization. This is consistent with observations made during the 2013 mapping at the Irene showing. Post-mineralization brittle fault zones, occurring with what appears to be decimetre frequency, displaying an unknown amount of left-lateral displacement, offset the mineralized zone and have an orientation of strike 20 – 30 °/dip 50 – 60° (RHR). These late brittle faults are readily observed on the property orthophoto as a series of prominent north-northeast and north-northwest trending recessive lineaments, north and south of Guder creek respectively. These NW trending features host quartz feldspar porphyry dykes within the mapped area, which in turn are cross-cut by at least one phase of mineralized veins (Type 1) suggesting that the NE trending structures were active over an extended period of time, and may possibly contain mineralization as well.

Plate 3 – TR14-027 (looking southwest)



Plate 4 – TR14-031 (looking north)



Analytic Results

The 2014 trenching program resulted in the collection of 45 rock chip/channel samples and 2 rock grab samples from the Irene showing. All samples were collected by TerraLogic Exploration Inc employees and were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation. The samples were subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following analytic techniques were used for all rock samples: ME-MS41, Au-AA23 30 g Fire Assay, Au-GRA21 30 g Fire Assay for all samples grading > 10 ppm Au in the Au-AA23 analysis, ME-OG46 for all samples > 10,000 ppm As, ME-OG46 for all samples > 100 ppm Ag and ME-XRF10 for all samples > 10,000 ppm Sb. Refer to Appendix 3 for detailed descriptions of sample preparation and analytic methods used by ALS Minerals.

The 2014 sampling program at the Irene showing returned significant Au-Ag-Cu-Sb results with TR14-036 returning 5.19 gpt Au, 66.8 gpt Ag and 0.29 % Cu over 1.0 metres, TR14-037 returning 9.45 gpt Au, 114.5 gpt Ag and 0.79 % Cu over 1.0 metre including high-grade assay values up to 19.90 gpt Au, 145 gpt Ag and 0.68% Cu over 0.35 metres, and grab sample MMFGR180 returning 13.40 gpt Au and 12.40 % Sb. Refer to Table 4 for a detailed summary of trench results. Eight of the twelve bedrock trenches returned significant Au+/-Ag+/-Cu results and define a mineralized zone currently measuring at least 6.5 metres wide by 130.0 metres long. The zone remains open in all directions and represents a high-priority exploration target.

Placer mining operations continued during 2014 and recovered >100 oz of alluvial gold during the season from the gravels immediately overlying the Irene showing. Examination of the gold nuggets continued to indicate three distinct sources: 1) native gold occurring with magnetite in nuggets; 2) native gold occurring in quartz with nuggets up to 1 ¼ oz ; 3) fine gold associated with bismuth and arsenopyrite-stibnite alloys likely weathering in place from the underlying auriferous vein

system. Heavy mineral concentrates containing native bismuth, bismuth alloys, magnetite, scheelite and powellite were also recovered from the placer operation.

Future exploration in the immediate area should include: compilation and evaluation of all historic data, remodelling of existing geophysical data (Mag, IP and VLF-EM) using petrophysical constraints, geochemical orientation surveys to determine the best method for seeing through extensive till cover, mechanized auger geochemical sampling where extensive till cover persists, conventional auger sampling where ground conditions permit, bedrock trenching following the placer operation disturbance, bedrock trenching of high-priority geochemical targets outside of the placer workings, rotary percussion drilling of high-priority targets along strike of the showing and diamond drilling of the vein system as currently defined.

Table 4 – 2014 Trenching Program – Significant Intersections

Trench	Significant Intersections
TR14-027	0.98 gpt Au over 4.50 m (including 2.69 gpt Au over 1.00 m) and 13.40 gpt Au from grab sample MMFGR180
TR14-028	0.50 gpt Au over 1.00 m
TR14-031	1.53 gpt Au over 5.00 m (including 2.08 gpt Au over 1.00 m)
TR14-032	0.38 gpt Au, 4.1 gpt Ag over 0.50 m
TR14-035	0.37 gpt Au, 1.4 gpt Ag over 1.00m
TR14-036	5.19 gpt Au, 66.8 gpt Ag, 0.29 % Cu over 1.00 m (including 9.03 gpt Au, 50.3 gpt Ag, 0.24 % Cu over 0.50 m)
TR14-037	9.45 gpt Au, 114.5 gpt Ag, 0.79 % Cu over 1.00 m (including 19.90 gpt Au, 145.0 gpt Ag, 0.68 % Cu over 0.35 m)

386550 386600 386650 386700

6910450 6910400

N

OPEN

TR13-018

TR13-021

Glider Creek

130 Meters

Irene

TR13-017

TR14-029

MMFGGO041

TR13-022

TR13-020

Biotite Hornblende Granodiorite (GRD)

TR13-019

TR14-027

MMFGR180

MMFGGO039

MMFGGO040

MMFGGO050

TR14-037

TR14-036

TR14-038

MMFGGO049

TR14-028

MMFGGO062

MMFGR236

TR14-035

TR14-030

YG29912

Metasediments (SCH)

Quartz Feldspar Porphyry (QFP)

MMFGR215

MMFGGO051

TR14-034

MMFGGO052

TR14-031

MMFGGO054

TR14-032

MMFGR234

MMFGR231

MMFGR229

MMFGGO055

TR14-033

YG29911

TR14-036
5.19 g/t Au, 66.8 g/t Ag, 0.29% Cu over 1.00 m including
9.03 g/t Au, 50.3 g/t Ag, 0.24 % Cu over 0.50 m

TR14-037
9.45 g/t Au, 114.5 g/t Ag, 0.79% Cu over 1.00 m including
19.9 g/t Au, 145.0 g/t Ag, 0.68% Cu over 0.35 m

1.82 g/t Au from Grab Sample (MMFGR215)

13.40 g/t Au from Grab Sample (MMFGR180);
0.98 g/t Au over 4.50 m including
1.23 g/t Au over 3.50 m, also including
2.69 g/t Au over 1.00 m

0.37 g/t Au, 1.41 g/t Ag over 1.00 m

0.50 g/t Au over 1.00 m

1.53 g/t Au over 5.00 m including
2.08 g/t Au over 2.00 m, also including
2.35 g/t Au over 1.00 m

0.38 g/t Au, 4.1 g/t Ag over 0.5 m

OPEN

0 10 20 30 40 50 Meters

Legend

Property Geology

- Alkali Leucogranite (ALGR)
- Andesite (AND)
- Aplite (APL)
- Bow Creek Granite (BCG)
- cg Porphyritic Granite (CPGR)
- Diorite (DIO)
- Felsite Dyke (DYK)
- Gneiss (GNE)
- Granite (GRA)
- Granodiorite (GRD)
- Hornblende Monzonite (HMON)
- K-Monzonite (KMON)
- Leucogranite (LGR)
- Microgranite (MGR)
- mg Porphyritic Granite (MPGR)
- Quartz-Feldspar Porphyry (QFP)
- Quartz Monzonite (QMO)
- Metasediments (SCH)
- Shear Corridor (SHE)
- Megacrystic Syenite (SYE)
- Tuffisite (TUF)
- Undifferentiated Granite (UGRA)
- Au+/-Ag+/-Cu Vein System

- Mineral Occurrence
- Geologic Station
- Trench

Rock Trench Results

- 0.02 - 0.30 g/t Au
- 0.30 - 0.50 g/t Au
- 0.50 - 1.00 g/t Au
- 1.00 - 5.00 g/t Au
- 5.00 - 20.00 g/t Au

Rock Grab Sample Results

- 0.02 - 0.30 g/t Au
- 0.30 - 0.50 g/t Au
- 0.50 - 1.00 g/t Au
- 1.00 - 5.00 g/t Au
- 5.00 - 20.00 g/t Au

Structure

Linear

- slickenline

Planar

- cleavage
- fracture
- shear plane
- vein (>10cm)
- veinlet (<10cm)

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Figure 5a - Geology and Trench Map

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 250

Date - 1/17/2015

Geologic Mapping and Prospecting

Two field days of prospecting and mapping were completed in the Guder Creek area. Detailed geologic logs are provided in Appendix 6.

The first traverse started at the eastern limit of exposure at the Irene showing and continued east to the Red Fox showing (Refer to Figure 5b). The purpose of the traverse was to locate historic Guder workings containing magnetite and native gold which a local placer miner claims to have visited with Fred Guder in the 1980's (personal communication with Derek Dodge). The traverse failed to locate historic workings as described by D. Dodge however a total of three rock samples were collected during the traverse. A outcrop 90 metres along strike from the Red Fox vein-breccia system was sampled at MMFGG044 (Sample # MMFGR181), and returned significant results as follows: 266 gpt Ag, 1.48 gpt Au, 1.31 % Pb. It is unclear whether the outcrop has been sampled before as no sample tags were observed. The vein was measured at 1.7 metres true width and is primarily comprised of vuggy silica which is encrusted with limonite from the leaching of sulphide minerals. The vein orientation is approximately Az 116° Dip 90°, poor outcrop exposure of the vein contacts did not allow for exact structural measurements. The other two samples were collected from float and were altered metasedimentary rocks which did not return any significant results.

The second traverse started at the western limit of exposure at the Irene showing and continued west to the confluence of Guder Creek and Seymour Creek. No samples were collected during the traverse. Three different rock types were mapped along the traverse: andesite, granite and biotite granodiorite. These three units are grouped as granodiorite on the property geology map as no clear contacts could be defined separating the three units. No significant zones of mineralization or alteration were observed within the outcrop.

Analytic Results

The 2014 prospecting program resulted in the collection of 3 rock grab samples from the Guder Creek area. All samples were collected by TerraLogic Exploration Inc employees and were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation. The samples were subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following analytic techniques were used for all rock samples: ME-MS41, Au-AA23 30 g Fire Assay, ME-OG46 for all samples > 10,000 ppm Pb and ME-OG46 for all samples > 100 ppm Ag. Refer to Appendix 3 for detailed descriptions of sample preparation and analytic methods used by ALS Minerals.

A outcrop 90 metres along strike from the Red Fox vein-breccia system was sampled at MMFGG044 (Sample # MMFGR181), and returned significant results as follows: 266 gpt Ag, 1.48 gpt Au, 1.31 % Pb, 1170 ppm Sb, 722 ppm Cu, 302 ppm Bi and 70.5 ppm Mo. The geochemical signature of the vein suggests that it is being sourced from magmatic hydrothermal fluids (elevated Ag-Au-Bi-Cu-Mo-Pb-Sb), and may be a distal expression of the Stoddart or Cabin porphyry prospects. Future exploration efforts should be directed toward delineating the strike extension and down dip potential of this vein system.

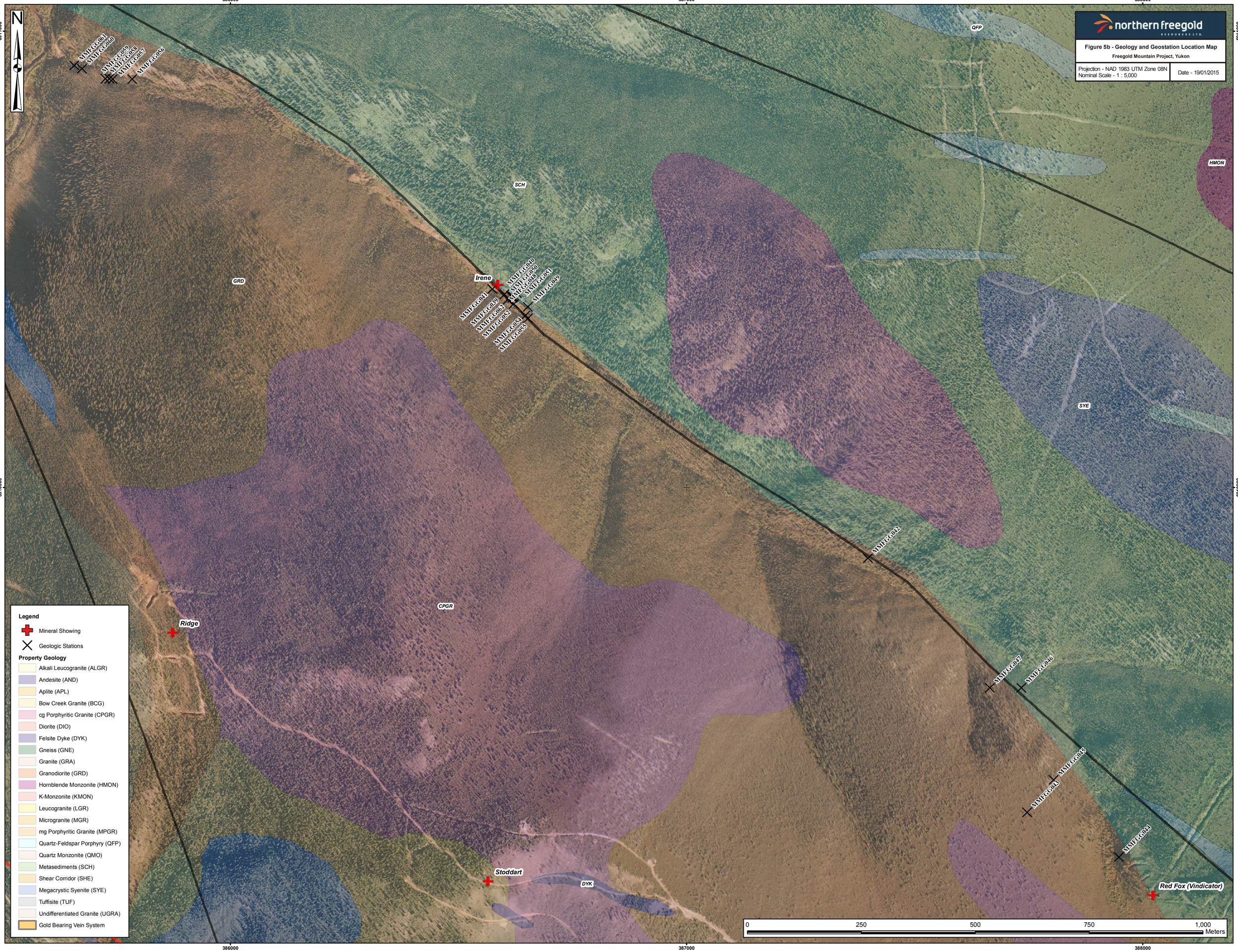

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Figure 5b - Geology and Geostation Location Map
Freegold Mountain Project, Yukon
Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 5,000
Date - 19/01/2015
N
386000
387000
388000
6911000
6910000
QFP
HMON
SCH
GRD
Irene
SYE
CPGR
Ridge
Stoddart
DYK
Red Fox (Vindicator)
MMFGG061
MMFGG060
MMFGG059
MMFGG058
MMFGG057
MMFGG056
MMFGG040
MMFGG050
MMFGG048
MMFGG051
MMFGG049
MMFGG041
MMFGG039
MMFGG062
MMFGG052
MMFGG054
MMFGG053
MMFGG042
MMFGG047
MMFGG046
MMFGG045
MMFGG043
MMFGG044
Legend
Mineral Showing
Geologic Stations
Property Geology
Alkali Leucogranite (ALGR)
Andesite (AND)
Aplite (APL)
Bow Creek Granite (BCG)
cg Porphyritic Granite (CPGR)
Diorite (DIO)
Felsite Dyke (DYK)
Gneiss (GNE)
Granite (GRA)
Granodiorite (GRD)
Hornblende Monzonite (HMON)
K-Monzonite (KMON)
Leucogranite (LGR)
Microgranite (MGR)
mg Porphyritic Granite (MPGR)
Quartz-Feldspar Porphyry (QFP)
Quartz Monzonite (QMO)
Metasediments (SCH)
Shear Corridor (SHE)
Megacrystic Syenite (SYE)
Tuffisite (TUF)
Undifferentiated Granite (UGRA)
Gold Bearing Vein System
0
250
500
750
1,000
Meters

Geophysics Program

The 2014 geophysics program consisted of 31.0 line kilometres of ground magnetics and 29.0 line km of VLF-EM surveys. All fieldwork was carried out by Aurora Geophysics beginning on June 22nd and completed on June 28th, 2014. Field crew members Shawn Scott and Jeremy Beales mobilized to the Freegold Mountain Property from Whitehorse, and completed all of the geophysics work on the 2014 Freegold Mountain Project.

Geophysics Program Summary (written by Shawn Scott of Aurora Geosciences)

A two person crew collected data from a single VLF station as well as the Total Magnetic Field (TMF) at each survey location. Readings were taken every 10 metres along 33 lines spaced 100 metres apart and oriented south-west to north-east (Refer to Figure 6a). In total, over 2900 locations were surveyed, representing approximately 29 line kilometres. A second smaller grid was surveyed on the overlapping placer claim at 25m line spacing, representing another 2 line kilometres of TMF data (Refer to Figure 6b). Raw survey data, field maps, a field report and a daily survey log can be found in Appendix 7.

The crew was equipped with the following instruments and equipment to complete the Mag/VLF Survey:

2 – GEM Systems GSM-19 VLF magnetometers serial numbers 1024107 & 1024108

1 – GEM Systems GSM-19 base station magnetometer serial number 1111125

2 – Hand held non-differential GPS

All coordinates were reported in the WGS 84 datum, UTM Zone 8N projection.

There are 33 lines on the main grid, named as L1 to the north, through L33 to the south. These lines were spaced at 100 metres and ran roughly perpendicular to Guder Gulch at an azimuth of ~42˚ for 860 metres, roughly centred on the gulch. Lines 17 through 24 were extended as necessary (by 40 metres to 100 metres) to find the limit of a magnetic anomaly found near their eastern extent. A short line was added between L31 and L32 to try to clarify extreme TMF readings and is named L3150. A tie line was surveyed along the full length of the main grid, from L33 station 700 to L1 station 700. The data collected on this line supports the final data and was not added to the database. There are 27 lines on the detailed TMF survey conducted over the placer claim, spaced at 25 metres and running for a minimum of 100 metres at the same azimuth (~42 ˚) as the main grid. To reflect the 25 metre spacing of these lines they were named L1350 to the north, through L2000 to the south. Data from lines on this grid representing multiples of 100 metres were taken from data collected on the larger grid (for example, all data on L1700 is copied from L17).

The TMF and VLF surveys were conducted according to the following specifications:

Station spacing: 10 m

Line spacing: 100 m (25m on the placer claim)

Temporal geomagnetic variation: The base station magnetometer was installed in a magnetically quiet area (08V 388250 UTM E, 6908777UTM N) and cycled at 3s during the survey. Base station and field magnetometers were synchronized daily to GPS time prior to surveying. Temporal geomagnetic variation to be removed by linear interpolation and subtraction of the base station drift.

Noise threshold: The survey would have been suspended if geomagnetic variation exceeded 10 nT over 10s on a sustained basis. No data were collected when geomagnetic noise exceeded this specification and therefore no data were removed from the final data set.

VLF-EM station: NLK (Jim Creek, Washington) – 24.8 Khz

VLF Components: In-phase, quadrature and total field strength.

The TMF and VLF data were downloaded at the end of each survey day and the raw, unedited data archived. A copy of the data was then corrected for diurnal variations using GEM Systems software GEMlink5.3. Geosoft's cross database channel lookup was used to append the positioning data collected during the survey with non-differential hand held GPS units. Profiles of the corrected magnetic data were reviewed on a line by line basis to check for data integrity. Control readings were collected daily at a set location and three tie lines were surveyed perpendicular to the grid, allowing adjustments to be made to compensate for variations between individual operators. Plan images of the total magnetic field were produced using Geosoft's Rangrid (minimum curvature) gridding algorithm with a cell size of 5. Extreme high and low readings were removed from the TMF data set around station 700 on L31. In an attempt to compensate for, and verify this data, a short line (L3150) was added parallel between lines L31 and L32. This line returned similar results, and seems to reaffirm a very high contrast, very localized feature in this area.

VLF profiles were reviewed on a line by line basis and individual spikes in data limited to single survey stations were removed. Despiked profiles were then passed through a 5 point positive Fraser filter to highlight cross overs in the in-phase portion of the signal and to identify potential conductors. Geosoft's Rangrid gridding algorithm, with a cell size of 5 was used to project this data on a plan view map. Profile maps of VLF data were made with interpolated GPS way points to isolate the VLF data from slight geographic variations along the line. True GPS locations were used for all other grids and maps.

Interference from cultural features such as historical mining debris, active mining and other infrastructure including roads and heavy equipment was noted by operators and removed from the final data set.

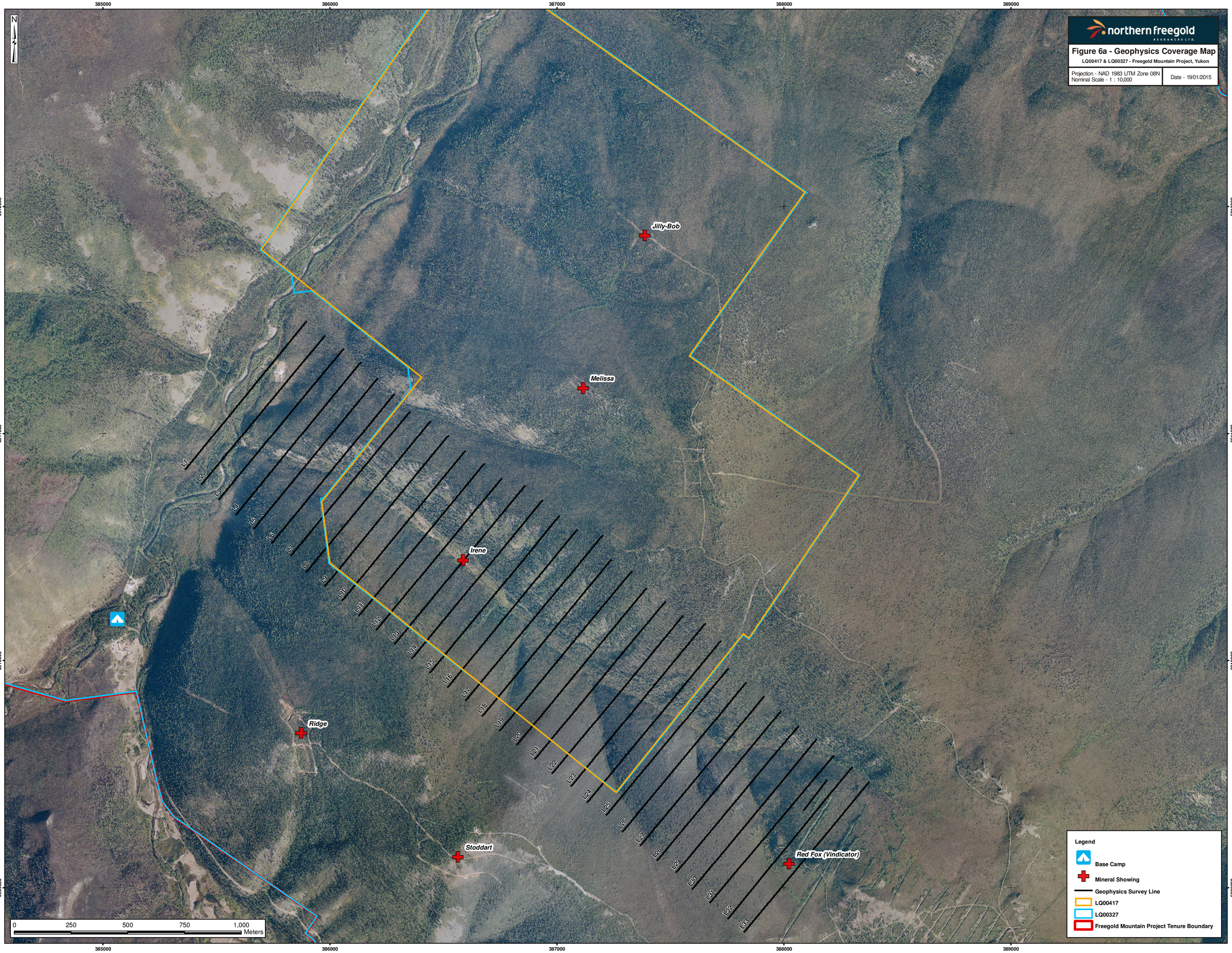
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Figure 6a - Geophysics Coverage Map
LQ00417 & LQ00327 - Freegold Mountain Project, Yukon
Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 10,000
Date - 19/01/2015
N
385000
386000
387000
388000
389000
6912000
6911000
6910000
6909000
Jilly-Bob
Melissa
Irene
Ridge
Stoddart
Red Fox (Vindicator)
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12
L13
L14
L15
L16
L17
L18
L19
L20
L21
L22
L23
L24
L25
L26
L27
L28
L29
L30
L31
L32
L33
0
250
500
750
1,000
Meters
Legend
Base Camp
Mineral Showing
Geophysics Survey Line
LQ00417
LQ00327
Freegold Mountain Project Tenure Boundary

386500 386600 386700 386800 386900 387000 387100 387200

6910400 6910300 6910200 6910100 6910000 6909900

N

Irene

L01350N L01375N L01400N L01425N L01450N L01475N L01500N L01525N L01550N L01575N L01600N L01625N L01650N L01675N L01700N L01725N L01750N L01775N L01800N L01825N L01850N L01875N L01900N L01925N L01950N L01975N L02000N

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Figure 6b - Geophysics Coverage Map

LQ00417 & LQ00327 - Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 1,500

Date - 19/01/2015

0 50 100 150 200 Meters

Legend

- Base Camp
- Mineral Showing
- Geophysics Survey Line
- LQ00417
- LQ00327
- Freegold Mountain Project Tenure Boundary

386500 386600 386700 386800 386900 387000 387100 387200

Geophysics Program Results

The Total Magnetic Field (TMF) survey (Refer to Figures 6c-d) was successful in defining several features of interest. From Line 10 to Line 20 a prominent magnetic low feature is observed which is centred on, and parallel to Guder Creek. Field mapping at the Irene showing (which lies within the magnetic low feature on Line 12) is at least in part the result of partial to complete magnetite destruction within the biotite hornblende magnetite granodiorite: a direct result of hydrothermal alteration related to the development of the Irene vein-breccia system. The magnetic low feature parallels the inferred strike extension of the vein system (defined by mapping in 2013-2014) and may prove to be a valuable targeting tool in areas of extensive cover. The 2.0 line kilometre infill grid completed to the east of the active placer operations confirmed the magnetic low anomaly and provided greater resolution which will aid future exploration efforts in areas of extensive cover. There is also a strong magnetic low feature trending NE between Lines 14 and 15 which may represent hydrothermal alteration along one of the NE trending structural features observed at the Irene showing. The orientation of the magnetic low feature is of similar orientation to the G3 vein at the Laforma Deposit, and although no veining has been observed, and the petrophysical properties of the G3 vein are unknown, further investigation is warranted to follow up on this feature. A prominent magnetic feature occurs along the NE margin of the survey from Lines 16 – 25. The ground based survey provided greater resolution on the magnetic high feature compared to the airborne data set, which forms an elongate zone that roughly parallels the structural fabric observed in metasedimentary rocks in this portion of the property. Property scale geologic interpretation of airborne geophysics interpreted this feature to represent a magnetic porphyritic granodiorite. The strong magnetic character of the anomaly, and it's orientation parallel to metasedimentary stratigraphy makes it a feature of interest as the placer mining operations within Guder Creek recover significant amounts of magnetite skarn, and more importantly magnetite skarn hosting native gold. Further prospecting and/or percussion drilling of this feature is warranted to determine the source of the magnetic anomaly. If magnetite skarn is found in proximity to or underlying the magnetic high feature further work is required to assess for the potential to discover bonanza grade gold mineralization. An isolated region of extreme high and low magnetic features was observed from Line 29 to Line 32 in the headwaters of Guder Creek. The location of the anomaly is in proximity to an area within Guder Creek where local placer miners claim to have visited a showing in the 1980's with Fred Guder that contained magnetite skarn and native gold (personal communication with Derek Dodge, 2014). The extreme variance in the magnetic data may possibly be caused by a pod of magnetite skarn. The anomaly is located along strike of historic workings which contain significant concentrations of magnetite within skarn horizons, so it seems plausible that this anomaly may represent a continuation of this type of alteration and mineralization. One half day of prospecting in the area of the anomaly did not reveal any insight into the source of the anomaly. The area is vegetated and underlain by lenses of permafrost making mapping of the underlying bedrock difficult. A weak magnetic low anomaly flanks the Red Fox vein-breccia showing, and may represent a zone of hydrothermal alteration similar to that observed at the Irene showing. The extreme magnetic anomalies north of the Red Fox showing may be masking a subtle alteration signature associated with the Red Fox showing.

The VLF-EM survey (Refer to Figure 6e) was successful in defining several features of interest. From Line 33 – 23 a prominent conductor correlates to the inferred strike of the Red Fox vein-breccia system as sampled in MMFGR181 (Refer to Figure 5b). The VLF-EM data may prove to be a very effective tool for targeting the extension of this vein-breccia system. A weak and spotty conductive feature appears to correlate with the inferred strike extension of the Irene vein-breccia system on Lines 10-11 and Lines 15-17. A strong conductive feature is present north of the Irene showing, in proximity to the historic trenches completed by Noranda in 1987. Future work is required to determine is this conductor correlates with the auriferous veins that were discovered in Trench TGC-87-02. Further work is required collecting a representative suite of samples from the Guder Creek area to build a base line data set of petrophysical parameters to aid in modelling the VLF-EM and magnetics data sets.

Figure 6c - Guder Creek TMF Map

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 10,000

Date - 19/01/2015

northern freegold RESOURCES LTD.

N

385000 386000 387000 388000 389000

6912000 6911000 6910000 6909000

Jilly-Bob
Melissa
Irene
Ridge
Stoddart
Red Fox (Vindicator)
Margarete
Augusta

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33

SHE HMON QFP SYE SCH BCG GRD CPGR MPGR GRA AND

Legend

- Mineral Showing
- Geophysics Survey Line

Property Geology

- Alkali Leucogranite (ALGR)
- Andesite (AND)
- Aplite (APL)
- Bow Creek Granite (BCG)
- cg Porphyritic Granite (CPGR)
- Diorite (DIO)
- Felsite Dyke (DYK)
- Gneiss (GNE)
- Granite (GRA)
- Granodiorite (GRD)
- Hornblende Monzonite (HMON)
- K-Monzonite (KMON)
- Leucogranite (LGR)
- Microgranite (MGR)
- mg Porphyritic Granite (MPGR)
- Quartz-Feldspar Porphyry (QFP)
- Quartz Monzonite (QMO)
- Metasediments (SCH)
- Shear Corridor (SHE)
- Megacrystic Syenite (SYE)
- Tuffisite (TUF)
- Undifferentiated Granite (UGRA)

2014 Guder Creek TMF Grid

Value: nT

High : 60065.4

Low : 56453.3

0 250 500 750 1,000 Meters

387000

N

Irene

QFP

L01350N
L01375N
L01400N
L01425N
L01450N
L01475N
L01500N
L01525N
L01550N
L01575N
L01600N
L01625N
L01650N
L01675N
L01700N
L01725N
L01750N
L01775N
L01800N
L01825N
L01850N
L01875N
L01900N
L01925N
L01950N
L01975N
L02000N

SCH

CPGR

GRD

northern freegold RESOURCES LTD.

Figure 6d - High Resolution TMF Map

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 1,500

Date - 19/01/2015

Legend

- Mineral Showing
- Geophysics Survey Line

Property Geology

- Alkali Leucogranite (ALGR)
- Andesite (AND)
- Aplite (APL)
- Bow Creek Granite (BCG)
- cg Porphyritic Granite (CPGR)
- Diorite (DIO)
- Felsite Dyke (DYK)
- Gneiss (GNE)
- Granite (GRA)
- Granodiorite (GRD)
- Hornblende Monzonite (HMON)
- K-Monzonite (KMON)
- Leucogranite (LGR)
- Microgranite (MGR)
- mg Porphyritic Granite (MPGR)
- Quartz-Feldspar Porphyry (QFP)
- Quartz Monzonite (QMO)
- Metasediments (SCH)
- Shear Corridor (SHE)
- Megacrystic Syenite (SYE)
- Tuffisite (TUF)
- Undifferentiated Granite (UGRA)
- Au+/-Ag+/-Cu Vein System

2014 High Resolution TMF Grid

Value

High : 59065.1

Low : 57190.9

0 50 100 150 200 Meters

6910000

387000

Figure 6e - Guder Creek VLF-EM Map

Freegold Mountain Project, Yukon

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 10,000

Date - 19/01/2015

northern freegold RESOURCES LTD.

385000 386000 387000 388000 389000

6912000 6911000 6910000 6909000

N

Jilly-Bob
Melissa
Irene
Ridge
Stoddart
Red Fox (Vindicator)
Margarete
Augusta

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33

SHE HMON QFP SYE SCH BCG GRD CPGR MPGR GRA AND

Legend

- Mineral Showing
- Geophysics Survey Line

Property Geology

- Alkali Leucogranite (ALGR)
- Andesite (AND)
- Aplite (APL)
- Bow Creek Granite (BCG)
- cg Porphyritic Granite (CPGR)
- Diorite (DIO)
- Felsite Dyke (DYK)
- Gneiss (GNE)
- Granite (GRA)
- Granodiorite (GRD)
- Hornblende Monzonite (HMON)
- K-Monzonite (KMON)
- Leucogranite (LGR)
- Microgranite (MGR)
- mg Porphyritic Granite (MPGR)
- Quartz-Feldspar Porphyry (QFP)
- Quartz Monzonite (QMO)
- Metasediments (SCH)
- Shear Corridor (SHE)
- Megacrystic Syenite (SYE)
- Tuffisite (TUF)
- Undifferentiated Granite (UGRA)

Fraser Filtered VLF

32.0 28.0 24.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0

0 250 500 750 1,000 Meters

CONCLUSIONS

The 2014 trenching program was successful in discovering significant new gold, silver, copper and antimony mineralization at the Irene showing. Located within Guder Gulch 1.2 km north of the Stoddart prospect and 4.6 km east of the Revenue deposit, the Irene showing is comprised of vein and breccia controlled gold, silver, copper and antimony bearing sulphide mineralization.

Bedrock sampling has expanded the zone of gold+/-silver+/-copper+/-antimony mineralization over an area measuring at least 6.5 metres true width by 130.0 metres along strike. Highlights include TR14-036 returning 5.19 gpt Au, 66.8 gpt Ag and 0.29 % Cu over 1.0 metres, TR14-037 returning 9.45 gpt Au, 114.5 gpt Ag and 0.79 % Cu over 1.0 metre, and grab sample MMFGR180 returning 13.40 gpt Au and 12.40 % Sb. The zone remains open in all directions with bedrock exposure in the immediate area encumbered by extensive gravel cover. Such a new discovery highlights the potential for high-grade gold-silver-copper-antimony mineralization at surface, in an under-explored area of the Property and warrants follow-up work. Multistage trenching is required at the Irene showing to accommodate for permafrost melt and should be considered during the planning stages of future programs.

The 2014 geophysical surveys covering the Guder Creek drainage highlighted several magnetic and VLF-EM features which may prove to be highly effective tools for targeting the extensions of the Irene vein-brecca system as well as the Red Fox vein system. In addition the magnetic survey revealed two prominent magnetic high features along strike from historical workings containing magnetite+/-gold skarns, which require follow up work to determine the source of the anomalies.

Although the Freegold Mountain area has undergone extensive exploration over the past 84 years, future work is recommended to determine the full economic potential of the Project. The land package currently held by Northern Freegold Resources covers a fertile and very prospective segment of the Big Creek Fault Zone (BCFZ) and is endowed with three NI43-101 compliant deposits and numerous showings which represent porphyry-epithermal systems related to punctuated Mid-and Late-Cretaceous magmatic events. Furthermore, the Late-Cretaceous event, defined by Allan et al. 2013 and Bineli, 2011, has been recognized on the Freegold Mountain property to span at least 5 Ma (79 Ma – 74 Ma) and is responsible for the emplacement of the Stoddart (porphyry) prospect and both the Revenue (porphyry) and Nucleus (porphyry-skarn-epithermal) deposits. These porphyry-hydrothermal systems define a 6.0 km northwest trending fertile exploration corridor within the BCFZ forming the core assets of the Freegold Mountain property. The newly discovered Irene gold-silver-copper-antimony bearing occurrence located 1.2 km north of the Stoddart porphyry prospect and 4.6 km east of the Revenue Deposit demonstrates the potential for high-grade gold-silver-copper-antimony mineralization at surface, within this under-explored fertile segment of the BCFZ.

Future work on the property should focus on defining near surface (< 100 m) high-grade gold mineralization such as that observed at the Irene. This would provide the potential for resource definition and extraction with relatively low exploration/development costs compared to the vast resources required to further define and develop low-grade porphyry-type copper-gold resources such as the Revenue deposit.

RECOMMENDATIONS

Additional work is recommended to advance the three deposits and numerous prospects which comprise the Freegold Mountain Project.

Future exploration work on the Irene showing should include but is not limited to:

- Systematic exploration of the area encompassing the Irene ($300,000.00):
  - Reinterpretation and modelling of geophysical data (Magnetic, VLF-EM and IP data) with petrophysical constraints provided form physical rock properties;
  - Detailed orientation and infill geochemical surveys of the Guder Creek catchment basin (pXRF geochemical mapping) using mechanized auger and conventional auger sampling techniques;
  - Bedrock sampling in areas of extensive cover along strike from the Irene showing using a percussion drill;
  - Bedrock mapping and trench sampling of any new exposure in placer workings;
  - Diamond drilling (minimum 500 metres) of the Irene showing;

The advancement of the Irene showing as described above is regarded as a high-priority exploration target that warrants work during the upcoming field season. At a minimum, field crews should map and sample any new bedrock exposed during any future placer mining operations in Guder Creek. The full scope of the work outlined above would require on the order of $250,000.00 - $300,000.00 of expenditures depending on camp infrastructure costs, contractor rates and the amount of trenching/percussion drilling performed in advance of diamond drilling. It would be reasonable to allocate $250,000.00 for 500 metres of preliminary diamond drilling at the Irene, which would take priority over trenching and geochemical surveys.

Future work on the Freegold Mountain Project outside of the Irene showing should include continued resource definition at the Nucleus, Revenue and Tinta Hill deposits. Grassroots exploration should be designed to evaluate, prioritize and advance targets outside of the core deposits including but not limited to the geochemical anomalies defined during historic work programs in the Discovery and Goldy zones.

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Technical Report for the Freegold Mountain Property Guder Target Evaluation Program (YMEP Project 14-042) Yukon Territory

Volume II – Appendices

Latitude 62°18'N, Longitude 137°12'W

Map sheets115I/3, 115I/6, and 115I/7

Whitehorse Mining District

Prepared for:

Derek Torgerson, P. Geol.

Mineral Development Geologist

Yukon Geological Survey

Prepared by:

Mike McCuaig, P. Geo

TerraLogic Exploration Inc.

Suite 200, 44-12th Avenue South

Cranbrook, British Columbia, Canada

V1C 2R7

On behalf of:

Northern Freegold Resources Ltd.

Suite 200, 52A Powell Street

Vancouver, British Columbia, Canada

V6A 1E7

January 22nd, 2015

Appendix I

YMEP Final Submission Form

YMEP FINAL SUBMISSION FORM

		Date submitted: January 22nd, 2015	
submit by January 31st to: *(winter placer projects may submit at pre-approved date)*	YMIP- EMR/ YTG Street address: 102-300 Main Street Mailing address: Box 2703, K-102 Whitehorse, Yt, Y1A 2C6	YMEP@gov.yk .ca phone: 867-456-3828 fax: 867-667-3198	
CONTACT INFO Mr. Paul Reynolds		***PROJECT INFO***	
Name:	Northern Freegold Resources Ltd.	YMEP no:	14-042
Address:	200-52A Powell Street, Vancouver, BC	Project name:	Guder
	V6A 1E7	Project type:	Hard Rock
email	preynolds@northernfreegold.com	Project module:	Target Evaluation
Phone:	604-893-8757		

Is the final report enclosed? ☑ yes ☐ no

☐ hard copy ☑ pdf copy ☑ digital spreadsheet of station location data

Comment:

PROJECT SUMMARY

Total project expenditures:	$79,300.00 ($57,938.30 eligible)			
Number of new claims since March 31st:	0			
Has an option resulted since March 31?	☐ yes	☑ no	☐ in negotiation	
Number of calendar field days:	21			
Number of person-days of employment:	44.5 paid	_____ days of unpaid work		
Total no. of samples:	50 rocks	silts	soils	_____ other
Total length/volume of trenching/ shafting:				
Total number of line-km of geophysics	31.0 line-km Magnetic /29.0 line-km VLF-EM			
Total meters drilled	_____ diamond drill	_____ RC drill	_____ auger/percussion drill	
Other products (provide details):				

This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.

FINANCIAL SUMMARY

Total daily field allowance	$4,347.79	Total contractor costs	$15,717.52
Total field air transportation costs (helicopter/plane)		Total excavating/ heavy equipment costs	$13,271.01
Total truck/ mileage costs	$1,124.25	Total assay/analyses costs	$3,498.67
Total wages paid	$13,225.00	Total reclamation costs	
Total light equipment rental costs	$1,283.69	Total report writing cost	$3,450.00
Other (please specify)	Fuel $1,036.11; Travel $718.27	Total staking costs	
Other (please specify)	Shipping $253.39		

(see reverse)

YMEP FINAL SUBMISSION FORM

Your feedback on any aspect of the program:

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.

2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.

3. I hereby apply for the final payment of a contribution under the Yukon Mineral Exploration Program (YMEP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date 2015 JAN 21

Signature of Applicant

Name (print) PAUL REYNOLDS

(see reverse)

Appendix II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Michael A. McCuaig, Do hereby certify that:

I am currently employed as a Geologist, with TerraLogic Exploration Inc., Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.

I graduated with a Bachelor of Science Degree from St. Francis Xavier University in 2003.

I have worked as a geologist for 8 years since my graduation from University.

I am currently a member in good standing with APEGBC, Registration Number 39402.

I managed and participated in all field work on the 2014 Freegold Mountain Guder Project.

The report is supported by geochemical data and geophysical data collected during fieldwork on the Freegold Mountain Property in the Whitehorse Mining District, during the months of June – September 2014.

I have authored the assessment report titled "Technical Report for the Freegold Mountain Property Guder Target Evaluation Project (YMEP Project 14-042)", and dated January 22nd, 2015 on behalf of Northern Freegold Resources Ltd.

Dated this 22nd day of January 2015, in Cranbrook, British Columbia.

Michael McCuaig

Digitally signed by Michael McCuaig
DN: cn=Michael McCuaig, o=TerraLogic Exploration Inc, ou, email=mam@terralogicexploration.com, c=CA
Date: 2015.01.22 11:57:26 -07'00'

_____

Michael A. McCuaig, P. Geo.

Appendix III

Geochemical Protocol

3.1 Handling and Sampling Protocol

All 2014 samples were collected by TerraLogic Exploration Inc employees. The sampling process is standardized and continually monitored for quality assurance and quality control. Two types of samples were collected during the program, these include: rock grab, and rock chip/channel samples. All samples are described in a field notebook or digital tablet in the field at the time of collection and also have a GPS location recorded at the site. Upon returning to the field office all of the sample meta data was input into a digital database. All of the 2014 samples from the Freegold Mountain program were delivered directly to ALS Minerals at 78 Mt Sima Road, Whitehorse, YT for sample preparation. Subsequent analysis was completed by ALS Minerals at 2103 Dollarton Hwy, North Vancouver, BC.

Rock Samples

Rock samples were collected where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop rock sample types, depending on the perceived distance the rock had traveled from its source. Rocks were collected from outcrops as fist sized Grab samples, or as Chip or Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length using a hammer and chisel. Channel samples is a continuous and representative sample using the channel saw. In each case rock samples were recorded on digital access forms in a portable tablet device with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were shipped in plastic rice bags with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Sample Handling and Shipping Procedure

All samples were brought back to the field base camp. Rock samples were lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of each field trip, a sample shipment was prepared. This required one person going through each sample ensuring that all samples were in order and that any missing samples were accounted for. QAQC samples were also added into the sample sequence at this time. Once recorded on the sample submission form, the samples were placed in rice bags labeled with the shipment number and addresses. Each shipping bag weighed approximately 25 kg. The list of samples was compared to the database and any discrepancies were investigated and rectified. Once the list of samples to be shipped matched the database's records, the bags were sealed with a zip tie security seal. The bags were delivered to the ALS Minerals Preparation Laboratory in Whitehorse, YT by TerraLogic Exploration Inc staff.

3.2 Analytic Procedures

All samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation. The samples were subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following sample preparation and analytic techniques were used for all rock samples: PREP-31, ME-MS41, Au-AA23 30 g Fire Assay, Au-GRA21 30 g Fire Assay for all samples grading > 10 ppm Au in the Au-AA23 analysis, ME-OG46 for all samples > 100 ppm Ag, ME-OG46 for all samples > 10,000 ppm As, ME-OG46 for all samples > 10,000 ppm Pb, and W-XRF10 for all samples > 10,000 ppm Sb. A detailed overview of sample preparation and analytic methods used for the 2014 samples is provided as follows.

ALS Minerals

SAMPLE PREPARATION PACKAGE

PREP- 31

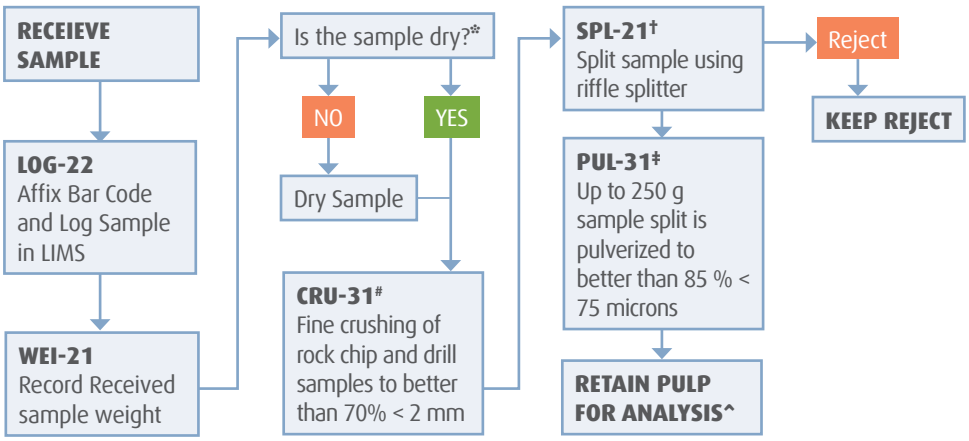
STANDARD SAMPLE PREPARATION: DRY, CRUSH, SPLIT AND PULVERIZE

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. This method is appropriate for rock chip or drill samples.

METHOD CODE	DESCRIPTION
LOG-22	Sample is logged in tracking system and a bar code label is attached.
DRY-21	Drying of excessively wet samples in drying ovens. This is the default drying procedure for most rock chip and drill samples.
CRU-31	Fine crushing of rock chip and drill samples to better than 70% of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-31	A sample split of up to 250 g is pulverized to better than 85% of the sample passing 75 microns.

FLOW CHART - SAMPLE PREPARATION PACKAGE – PREP-31 STANDARD SAMPLE PREPARATION: DRY, CRUSH, SPLIT AND PULVERIZE



*If samples air-dry overnight, no charge to client. If samples are excessively wet, the sample should be dried to a maximum of 120°C. (**DRY-21**)

#QC testing of crushing efficiency is conducted on random samples (**CRU-QC**).

†The sample reject is saved or dumped pending client instructions. Prolonged storage (> 45 days) of rejects will be charged to the client.

‡QC testing of pulverizing efficiency is conducted on random samples (**PUL-QC**).

^Lab splits are required when analyses must be performed at a location different than where samples received.



Geochemical Procedure

ME- MS41
Ultra- Trace Level Methods Using ICP- MS and ICP- AES

Sample Decomposition:

Aqua Regia Digestion (GEO-AR01)

Analytical Method:

Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES) Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples are then analysed by ICP-MS for the remaining suite of elements. The analytical results are corrected for inter-element spectral interferences.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10 000
Gold	Au	ppm	0.2	25
Boron	B	ppm	10	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1 000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10 000
Chromium	Cr	ppm	1	10 000



Geochemical Procedure

Element	Symbol	Units	Lower Limit	Upper Limit
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500
Mercury	Hg	ppm	0.01	10 000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10 000
Lithium	Li	ppm	0.1	10 000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10 000
Phosphorus	P	ppm	10	10 000
Lead	Pb	ppm	0.2	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	0.2	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000



Element	Symbol	Units	Lower Limit	Upper Limit
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.05	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.05	10 000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

NOTE: In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.

ALS Minerals

FIRE ASSAY PROCEDURE

Au-AA23 & Au-AA24

FIRE ASSAY FUSION, AAS FINISH

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

ANALYTICAL METHOD

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA21

ALS Minerals

FIRE ASSAY PROCEDURE

Ag-GRA21, Ag-GRA22, Au-GRA21 and Au-GRA22

PRECIOUS METALS GRAVIMETRIC ANALYSIS METHODS

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUSAG1, FA-FUSAG2, FA-FUSGV1 and FA-FUSGV2)

ANALYTICAL METHOD

Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	DETECTION LIMIT	UPPER LIMIT
Ag-GRA21	Silver	Ag	ppm	30	5	10,000
Ag-GRA22	Silver	Ag	ppm	50	5	10,000
Au-GRA21	Gold	Au	ppm	30	0.05	1,000
Au-GRA22	Gold	Au	ppm	50	0.05	1,000



Assay Procedure

ME-OG46
Ore Grade Elements by Aqua Regia Digestion Using Conventional ICP-AES Analysis

Sample Decomposition:

HNO_3-HCl Digestion (ASY-AR01)

Analytical Method:

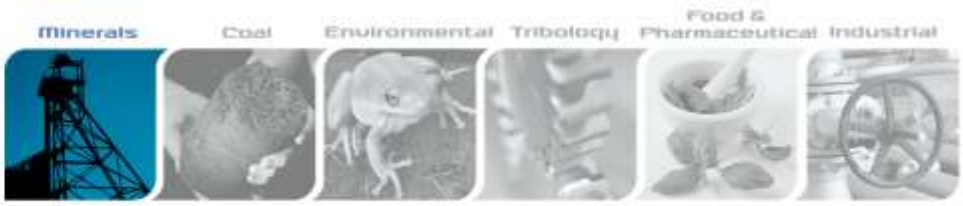
Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)*

Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample (0.4 g) is digested with concentrated nitric acid for 90 minutes in a graphite heating block. The resulting solution is diluted with concentrated hydrochloric acid before cooling to room temperature. The samples are diluted in a volumetric flask (100 or 250) mL with demineralized water and analysed using atomic absorption spectrometry.

*__NOTE__: ICP-AES is the default finish technique for ME-OG46. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	30
Cadmium	Cd	%	0.001	10
Cobalt	Co	%	0.001	20
Copper	Cu	%	0.001	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	10
Lead	Pb	%	0.001	20
Zinc	Zn	%	0.001	30



Ore Grade Analysis by XRF

ME-XRF10

Sample Decomposition:

50% $Li_2B_4O_7$ – 50% $LiBO_2$ (WEI-GRA06)

Analytical Method:

X-Ray Fluorescence Spectroscopy (XRF)

A calcined or ignited sample (0.9 g) is added to 9.0g of Lithium Borate Flux (50 % - 50 % $Li_2B_4O_7$ – $LiBO_2$), mixed well and fused in an auto fluxer between 1050 - 1100°C. A flat molten glass disc is prepared from the resulting melt. This disc is then analysed by X-ray fluorescence spectrometry.

Element	Symbol	Units	Lower Limit	Upper Limit
Barium	Ba	%	0.01	50
Niobium	Nb	%	0.01	10
Antimony	Sb	%	0.01	50
Tin	Sn	%	0.01	60
Tantalum	Ta	%	0.01	50
Thorium	Th	%	0.01	15
Uranium	U	%	0.01	15
Tungsten	W	%	0.01	50
Zirconium	Zr	%	0.01	50



Ore Grade Analysis by XRF

Elements listed below are available upon request

Element	Symbol	Units	Lower Limit	Upper Limit
Iron	Fe_2O_3	%	0.01	100
Potassium	K_2O	%	0.01	100
Magnesium	MgO	%	0.01	100
Sodium	Na_2O	%	0.01	100

3.3 Software

The following is a list of software used in the field and writing of this report:

- Arc GIS 9.3
- Microsoft Access
- Pendragon Forms
- Apache Open Office
- Adobe Acrobat 10

Appendix IV

Sample Locations & Sample Description Data

Appendix 4.1
Rock Sample Locations and Descriptions

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMFGR163	6/20/2014	chip	assay	GPS	819	386600.182	6910423.36	1	255	granodiorite	quartz diorite	brilliant orange	medium	0.0 - 1.0 m Start of TR14-027
MMFGR164	6/20/2014	chip	assay	GPS	819	386599.216	6910423.10	1	255	granodiorite	quartz diorite	brilliant orange	medium	1.0 - 2.0 m
MMFGR165	6/20/2014	channel	assay	GPS	819	386598.009	6910422.78	1.5	255	granodiorite	quartz diorite	brilliant orange	medium	2.0 - 3.5 m
MMFGR166	6/20/2014	qaqc	assay	GPS	819	386596	6901421			granodiorite	quartz diorite	brilliant orange	medium	blank
MMFGR167	6/20/2014	qaqc	assay	GPS	819	386596	6901421			granodiorite	quartz diorite	brilliant orange	medium	PM447
MMFGR168	6/20/2014	chip	assay	GPS	819	386596.801	6910422.46	1	255	granodiorite	quartz diorite	brilliant orange	medium	3.5 - 4.5 m
MMFGR169	6/20/2014	chip	assay	GPS	819	386595.835	6910422.2	1	255	granodiorite	quartz diorite	brilliant orange	medium	4.5 - 5.5 m
MMFGR170	6/20/2014	chip	assay	GPS	819	386594.966	6910421.96	0.8	255	granodiorite	quartz diorite	brilliant orange	medium	5.5 - 6.3 m END OF TR14-027
MMFGR171	6/20/2014	channel	assay	GPS	816	386614.618	6910419.67	1	230	granodiorite	quartz diorite	brilliant orange	medium	0.0 - 1.0 m Start of TR14-028
MMFGR172	6/20/2014	channel	assay	GPS	816	386613.851	6910419.03	1	230	granodiorite	quartz diorite	brilliant orange	medium	1.0 - 2.0 m
MMFGR173	6/20/2014	chip	assay	GPS	816	386613.085	6910418.39	1	230	granodiorite	quartz diorite	brilliant orange	medium	2.0 - 3.0 m
MMFGR174	6/20/2014	chip	assay	GPS	816	386612.319	6910417.74	1	230	granodiorite	quartz diorite	brilliant orange	medium	3.0 - 4.0 m
MMFGR175	6/20/2014	qaqc	assay	GPS	816	386601	6910411			granodiorite	quartz diorite	brilliant orange	medium	blank
MMFGR176	6/20/2014	qaqc	assay	GPS	816	386601	6910411			granodiorite	quartz diorite	brilliant orange	medium	PM447
MMFGR177	6/20/2014	channel	assay	GPS	816	386611.553	6910417.10	1	230	granodiorite	quartz diorite	brilliant orange	medium	4.0 - 5.0 m
MMFGR178	6/20/2014	channel	assay	GPS	816	386610.787	6910416.46	1	230	granodiorite	quartz diorite	brilliant orange	medium	5.0 - 6.0 m END of TR14-028
MMFGR179	6/21/2014	chip	assay	GPS	815	386573.381	6910435.06	1.5	250	granodiorite	breccia	dark grayish brown (yellowish)	medium-fine	0.0 - 1.5 M TR14-029
MMFGR180	6/20/2014	grab	assay	GPS	816	386597	6910422			granodiorite	quartz diorite	brilliant orange	medium	High Grade Grab sample of breccia containing semimassive stibnite from MMFGR165.
MMFGR181	6/21/2014	grab	assay	GPS	1146	387947	6909190			vein		brilliant orange	fine	Composite grab sample
MMFGR182	6/21/2014	grab	assay	GPS		387804	6909359			metasedimentary rock		strong brown	medium-fine	

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMFGR183	6/21/2014	grab	assay	GPS		387664	6909561			calc silicate rock		pale yellow (orangish)	medium-fine	
MMFGR184	7/18/2014	channel	assay	GPS	820	386617.769	6910415.65	0.7	210	granodiorite			medium-fine	First sample of TR14-030. 0.0 - 0.7 m.
MMFGR185	7/18/2014	channel	assay	GPS	820	386617.469	6910415.13	0.5	210	gouge			medium-fine	0.7-1.2 m.
MMFGR186	7/18/2014	qaqc	assay	GPS	820	386608	6910410			gouge			medium-fine	Blank.
MMFGR187	7/18/2014	qaqc	assay	GPS	820	386608	6910410			gouge			medium-fine	Standard - PM928
MMFGR188	7/18/2014	channel	assay	GPS	820	386617.094	6910414.48	1	210	gouge			medium-fine	1.2 - 2.2 m.
MMFGR189	7/18/2014	channel	assay	GPS	820	386616.594	6910413.62	1	210	granodiorite			medium-fine	2.2-3.2m.
MMFGR190	7/18/2014	channel	assay	GPS	820	386616.094	6910412.75	1	210	granodiorite			medium-fine	3.2-4.2 m.
MMFGR191	7/18/2014	channel	assay	GPS	820	386615.594	6910411.88	1	210	gouge			medium-fine	4.2 - 5.2 m.
MMFGR192	7/18/2014	channel	assay	GPS	820	386615.219	6910411.23	0.5	210	granodiorite			medium-fine	5.2 - 5.7 m.
MMFGR193	7/18/2014	channel	assay	GPS	820	386614.769	6910410.46	1.3	210	granodiorite			medium-fine	5.7 - 7.0 m.
MMFGR194	7/19/2014	channel	assay	GPS	830	386651.709	6910395.64	1	230	quartz feldspar porphyry		dark brown (reddish)	medium-fine	0.0-1.0m.
MMFGR195	7/19/2014	channel	assay	GPS	830	386651.209	6910394.77	1	230	quartz feldspar porphyry		dark brown (reddish)	medium-fine	1.0-2.0 m.
MMFGR196	7/19/2014	channel	assay	GPS	830	386650.709	6910393.91	1	230	quartz feldspar porphyry		dark brown (reddish)	medium-fine	2.0-3.0 m.
MMFGR197	7/19/2014	channel	assay	GPS	830	386650.209	6910393.04	1.1	230	quartz feldspar porphyry		dark brown (reddish)	medium-fine	3.0-4.1 m.
MMFGR198	7/19/2014	qaqc	assay	GPS	830	386652	6910396			quartz feldspar porphyry		dark brown (reddish)	medium-fine	Blank.
MMFGR199	7/19/2014	qaqc	assay	GPS	830	386652	6910396			quartz feldspar porphyry		dark brown (reddish)	medium-fine	Standard - PM928
MMFGR200	7/19/2014	channel	assay	GPS	830	386649.734	6910392.22	0.9	230	gouge	granodiorite	bright orange	medium-fine	4.1-5.0 m.
MMFGR201	7/19/2014	channel	assay	GPS	830	386649.259	6910391.4	1	230	gouge	granodiorite	bright orange	medium-fine	5.0-6.0 m.
MMFGR202	7/19/2014	channel	assay	GPS	830	386648.759	6910390.53	1	230	gouge	granodiorite	bright orange	medium-fine	6.0-7.0 m.
MMFGR203	7/19/2014	channel	assay	GPS	830	386648.384	6910389.88	0.5	230	gouge	granodiorite	bright orange	medium-fine	7.0-7.5 m.
MMFGR204	7/19/2014	channel	assay	GPS	830	386648.009	6910389.23	1	230	granodiorite		light gray (olive)	medium-fine	7.5-8.5 m.

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMFGR205	7/19/2014	channel	assay	GPS	830	386647.509	6910388.37	1	230	granodiorite		light gray (olive)	medium-fine	8.5-9.5 m.
MMFGR206	7/19/2014	channel	assay	GPS	830	386647.009	6910387.5	1	230	granodiorite		light gray (olive)	medium-fine	9.5-10.5 m.
MMFGR207	7/19/2014	grab	geophysics	GPS	830	386652	6910396			granodiorite		light gray (olive)	medium-fine	Type sample for magnetic fresh intrusive.
MMFGR208	7/19/2014	grab	geophysics	GPS	830	386652	6910396			granodiorite		light gray (olive)	medium-fine	Altered granodiorite.
MMFGR209	8/3/2014	channel	assay	GPS	820	386619.711	6910418.80	0.65	36	granodiorite		dark grayish brown (reddish)	medium-fine	0.0-0.65 m.
MMFGR210	8/3/2014	qaqc	assay	GPS	820					granodiorite		dark grayish brown (reddish)	medium-fine	Blank
MMFGR211	8/3/2014	channel	assay	GPS	820	386619.998	6910419.21	0.35	36	granodiorite		dark grayish brown (reddish)	medium-fine	0.65-1.0 m.
MMFGR212	8/3/2014	channel	assay	GPS	820	386621.250	6910418.63	0.5	35	granodiorite		dark grayish brown (reddish)	medium-fine	0.0-0.5 m. 1.5 metres East along strike from MMFGR209.
MMFGR213	8/3/2014	qaqc	assay	GPS	820					granodiorite		dark grayish brown (reddish)	medium-fine	Blank
MMFGR214	8/3/2014	channel	assay	GPS	820	386621.537	6910419.04	0.5	35	granodiorite		dark grayish brown (reddish)	medium-fine	0.5-1.0 m.
MMFGR215	8/3/2014	grab	assay	GPS	822	386628	6910426			quartz feldspar porphyry	breccia	dark grayish brown (reddish)	fine	
MMFGR216	8/3/2014	channel	assay	GPS	820	386619.005	6910417.02	1	45	granodiorite		dark grayish brown (reddish)	medium-fine	0.0-1.0 m. Sample rake - 54 degrees. 1.1 m southof MMFGR209.
MMFGR217	8/3/2014	channel	assay	GPS	820	386618.298	6910416.31	1	45	granodiorite		dark grayish brown (reddish)	medium-fine	1.0-2.0 m. Connects to sample MMFGR184.
MMFGR218	8/3/2014	channel	assay	GPS	820	386618.086	6910417.30	0.8	180	granodiorite		dark grayish brown (reddish)	medium-fine	Across N-S fault zone containing sulphide gouge.
MMFGR219	8/3/2014	channel	assay	GPS	822	386620.75	6910402.43	1	330	quartz feldspar porphyry		brilliant orange	medium-fine	0.0-1.0 m.
MMFGR220	8/3/2014	channel	assay	GPS	822	386646	6910377.25	0.5	0	gouge		brilliant orange	medium-fine	0.0-0.5 m.
MMFGR221	8/3/2014	channel	assay	GPS	822	386646	6910377.75	0.5	0	gouge		brilliant orange	medium-fine	0.5-1.0 m.
MMFGR222	8/3/2014	qaqc	assay	GPS	822	386648	6910401			gouge		brilliant orange	medium-fine	Blank
MMFGR223	8/3/2014	qaqc	assay	GPS	822	386648	6910401			gouge		brilliant orange	medium-fine	Standard PM928.
MMFGR224	8/3/2014	channel	assay	GPS	822	386646	6910378.25	0.5	0	gouge		brilliant orange	medium-fine	1.0-1.5 m.
MMFGR225	8/3/2014	channel	assay	GPS	822	386652.589	6910370.73	1.3	295	gouge	granodiorite	brilliant orange	medium-fine	0.0-1.3 m.
MMFGR226	8/3/2014	chip	assay	GPS	820	386608.044	6910411.50	1	355	granodiorite		deep orange	medium-fine	0.0-1.0 m. Sample rake - 34 degrees.

Appendix V

Analytic Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8-JUL-2014
Account: TELOEX

CERTIFICATE WH14095625

Project: TELOEX R2

P.O. No.: FG14-001

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-JUN-2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL	GRAEME HOPKINS	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-51	Screening
CRU-31	Fine crushing - 70% <2mm
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
Sb-XRF10	Fusion XRF - Sb Ore Grade	XRF
ME-XRF10	Fusion XRF - Ore Grade	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM
As-OG46	Ore Grade As - Aqua Regia	VARIABLE
ME-MS41	51 anal. aqua regia ICPMS	

To: TERRALOGIC EXPLORATION SERVICES INC.
ATTN: MIKE MCCUAIG
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8- JUL- 2014
Account: TELOEX

Project: TELOEX R2

CERTIFICATE OF ANALYSIS WH14095625

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
MMFGR163		2.32	2.69		0.14	0.44	2800	2.7	<10	380	0.53	0.07	0.62	0.11	11.10	5.2
MMFGR164		2.06	0.008		0.02	0.48	179.0	<0.2	<10	110	0.99	0.04	0.84	0.10	38.7	14.1
MMFGR165		3.74	1.065		0.22	0.50	956	0.9	<10	350	0.58	0.09	1.93	0.09	18.50	7.7
MMFGR166		4.68	<0.005		<0.01	0.05	1.3	<0.2	<10	10	<0.05	<0.01	>25.0	<0.01	0.34	0.4
MMFGR167		0.08	1.245		0.41	1.80	6020	1.0	10	70	0.21	18.25	4.52	0.84	15.75	153.5
MMFGR168		2.58	0.106		0.09	0.57	759	<0.2	<10	220	0.64	0.18	1.67	0.06	22.3	19.7
MMFGR169		2.22	0.010		0.05	1.80	52.4	<0.2	<10	630	0.86	0.10	1.65	0.24	50.9	12.5
MMFGR170		1.50	0.023		0.08	0.99	112.0	<0.2	<10	610	0.88	0.16	4.03	0.21	28.4	14.3
MMFGR171		1.54	0.307		1.70	0.28	9910	0.3	<10	130	0.21	4.60	1.07	0.25	12.10	3.2
MMFGR172		1.76	0.008		0.11	0.42	156.5	<0.2	<10	90	0.32	0.11	0.46	0.08	29.0	1.4
MMFGR173		2.12	0.011		0.05	0.36	207	<0.2	<10	100	0.36	0.10	0.46	0.09	27.7	0.9
MMFGR174		2.56	0.014		0.05	0.38	144.0	<0.2	<10	100	0.36	0.11	0.85	0.18	29.0	0.7
MMFGR175		3.78	<0.005		<0.01	0.02	1.2	<0.2	<10	10	<0.05	<0.01	>25.0	<0.01	0.27	0.3
MMFGR176		0.08	1.255		0.43	1.72	5960	1.1	10	70	0.27	22.7	4.48	0.82	16.75	152.0
MMFGR177		1.70	0.501		3.18	0.37	>10000	0.5	<10	60	0.21	9.19	0.41	2.74	7.57	7.4
MMFGR178		1.64	0.006		0.16	0.31	42.4	<0.2	<10	50	0.36	0.26	1.03	0.89	29.8	1.2
MMFGR179		2.48	0.032		0.34	0.72	201	<0.2	<10	280	0.85	0.31	1.67	2.39	45.6	13.1
MMFGR180		1.56	>10.0	13.40	1.09	0.14	451	8.4	<10	30	0.21	0.23	2.24	0.27	1.82	3.3
MMFGR181		1.90	1.485		>100	0.29	2700	0.9	<10	540	0.21	302	0.04	4.12	11.90	0.7
MMFGR182		2.30	0.047		7.24	0.15	253	<0.2	<10	140	0.11	5.86	0.02	0.84	15.05	0.6
MMFGR183		2.56	0.068		0.80	1.76	31.7	<0.2	<10	130	0.41	2.71	0.41	0.17	20.3	8.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8- JUL- 2014
Account: TELOEX

Project: TELOEX R2

CERTIFICATE OF ANALYSIS WH14095625

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
MMFGR163		6	8.06	9.2	1.62	0.92	<0.05	<0.02	0.01	0.012	0.23	5.5	1.0	0.26	250	3.06
MMFGR164		23	12.15	7.3	3.57	1.36	0.05	<0.02	0.01	0.025	0.27	19.9	3.8	0.63	727	2.88
MMFGR165		8	8.92	25.8	2.26	1.21	<0.05	<0.02	0.01	0.012	0.29	9.3	1.0	0.72	551	3.97
MMFGR166		1	0.06	0.9	0.04	0.14	<0.05	<0.02	<0.01	<0.005	0.01	0.2	0.3	1.71	18	0.08
MMFGR167		27	0.97	117.0	3.85	4.70	0.10	0.22	<0.01	0.103	0.14	9.9	13.2	0.44	711	9.48
MMFGR168		4	10.85	30.9	2.69	1.07	<0.05	0.02	0.01	0.013	0.24	11.7	7.3	0.62	469	3.54
MMFGR169		24	27.7	16.4	3.92	6.30	0.09	0.04	0.02	0.032	0.77	26.4	12.2	1.21	733	0.92
MMFGR170		11	20.6	19.6	5.13	3.08	0.06	0.02	0.02	0.041	0.31	13.0	12.1	1.59	1100	1.21
MMFGR171		4	1.90	38.1	2.91	0.57	<0.05	0.05	0.01	0.025	0.23	6.5	0.4	0.47	214	4.36
MMFGR172		5	5.40	9.7	1.00	0.83	<0.05	0.04	<0.01	<0.005	0.21	16.5	2.1	0.18	163	0.90
MMFGR173		5	4.91	4.3	0.89	0.79	<0.05	0.04	0.01	<0.005	0.16	15.0	2.1	0.18	165	1.04
MMFGR174		7	5.45	4.2	1.06	0.85	<0.05	0.05	0.01	<0.005	0.21	15.3	1.6	0.35	193	3.97
MMFGR175		1	<0.05	1.4	0.03	0.08	0.06	<0.02	<0.01	<0.005	<0.01	<0.2	0.3	1.65	16	0.08
MMFGR176		27	1.01	120.0	3.81	4.92	0.11	0.25	0.01	0.111	0.13	10.8	13.9	0.44	740	9.79
MMFGR177		5	1.40	104.0	4.63	0.81	<0.05	0.05	0.03	0.131	0.30	3.8	0.4	0.13	175	1.27
MMFGR178		5	5.27	8.5	0.94	0.61	<0.05	0.05	0.01	0.030	0.21	16.6	0.8	0.36	322	0.87
MMFGR179		21	6.10	17.7	3.65	3.00	0.05	0.04	0.04	0.227	0.25	23.2	3.5	0.59	1360	3.15
MMFGR180		6	2.85	71.3	1.68	0.42	<0.05	<0.02	0.02	0.045	0.10	2.4	0.3	0.90	656	1.01
MMFGR181		13	1.20	722	4.01	1.34	0.08	0.05	0.91	2.61	0.17	6.3	0.8	0.01	104	70.5
MMFGR182		15	0.66	77.8	1.76	0.59	<0.05	0.02	0.03	0.115	0.10	9.4	0.4	0.01	66	7.13
MMFGR183		16	2.40	15.9	3.53	5.65	<0.05	0.17	0.01	0.034	0.34	10.3	8.0	0.76	310	1.97

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Project: TELOEX R2

CERTIFICATE OF ANALYSIS WH14095625

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
MMFGR163		0.02	<0.05	9.8	100	15.7	18.4	0.002	0.86	14.80	1.5	0.3	<0.2	29.8	<0.01	0.01
MMFGR164		0.02	<0.05	37.4	140	8.5	17.8	0.002	0.18	10.25	7.9	0.4	0.2	42.1	<0.01	0.01
MMFGR165		0.02	<0.05	17.0	80	29.7	20.3	0.004	1.04	2740	2.8	0.4	0.2	68.1	<0.01	0.01
MMFGR166		0.02	<0.05	0.2	40	0.4	0.4	0.002	0.10	3.06	0.2	0.3	<0.2	4980	<0.01	0.02
MMFGR167		0.18	0.18	34.3	960	17.5	5.5	0.045	0.64	8.87	2.9	9.8	2.1	133.0	<0.01	4.15
MMFGR168		0.02	<0.05	11.4	510	25.9	16.8	0.004	1.15	16.65	3.4	0.5	<0.2	57.2	<0.01	0.01
MMFGR169		0.05	0.45	15.1	660	8.3	51.7	0.002	0.19	7.33	11.5	0.5	0.5	80.6	<0.01	0.01
MMFGR170		0.03	0.06	8.4	1000	8.0	25.9	0.002	0.54	9.44	11.0	1.0	0.2	166.0	<0.01	<0.01
MMFGR171		0.02	0.15	1.3	30	40.9	15.5	0.002	2.23	23.8	0.4	0.3	2.0	19.5	<0.01	0.02
MMFGR172		0.01	0.06	1.2	30	16.0	13.2	0.002	0.26	4.22	0.3	0.2	<0.2	17.7	<0.01	<0.01
MMFGR173		<0.01	0.14	1.4	30	14.4	10.4	<0.001	0.21	2.65	0.5	<0.2	<0.2	18.2	<0.01	0.01
MMFGR174		<0.01	0.17	1.1	30	18.7	14.2	<0.001	0.20	3.43	0.5	<0.2	<0.2	20.4	<0.01	0.01
MMFGR175		0.01	<0.05	<0.2	40	0.2	0.2	<0.001	0.07	0.17	0.2	<0.2	<0.2	5280	<0.01	0.01
MMFGR176		0.16	0.18	35.0	950	19.1	5.8	0.042	0.59	9.93	3.4	10.0	2.2	135.5	<0.01	4.28
MMFGR177		0.01	0.08	1.4	40	142.0	21.5	<0.001	4.04	76.0	0.3	0.2	2.8	22.2	<0.01	0.04
MMFGR178		<0.01	0.07	0.9	50	33.7	13.3	<0.001	0.23	2.65	0.4	0.2	<0.2	30.3	<0.01	0.01
MMFGR179		0.01	0.13	20.8	460	72.1	18.4	<0.001	0.50	4.45	9.3	0.4	0.9	43.8	<0.01	0.01
MMFGR180		0.01	<0.05	6.9	20	12.1	9.5	0.002	3.11	>10000	0.1	0.2	0.3	69.9	<0.01	0.02
MMFGR181		0.01	<0.05	9.3	1220	>10000	11.7	<0.001	0.36	1170	0.8	22.2	8.0	33.7	<0.01	0.41
MMFGR182		0.01	0.09	7.9	1090	274	6.2	<0.001	0.05	193.5	1.2	2.0	<0.2	13.3	<0.01	0.40
MMFGR183		0.11	0.24	9.3	850	38.9	25.1	<0.001	1.16	8.41	3.8	2.1	1.1	61.0	<0.01	0.40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8-JUL-2014
Account: TELOEX

Project: TELOEX R2

CERTIFICATE OF ANALYSIS WH14095625

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	As-OG46	Pb-OG46	Sb-XRF10	SCR-51	SCR-51
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Ag	As	Pb	Sb	WT.+2mm	WT.-2mm
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g	g
	LOR	0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.01	0.001	0.01	0.1	0.1
MMFGR163		2.4	<0.005	0.53	0.99	5	0.51	2.46	40	0.5					2114	130.3
MMFGR164		8.9	<0.005	0.39	1.78	32	1.02	5.10	73	0.6					1809.0	151.7
MMFGR165		4.4	<0.005	0.75	1.26	11	0.50	3.35	43	0.5					3531	84.5
MMFGR166		<0.2	<0.005	<0.02	1.35	1	<0.05	0.34	<2	<0.5						
MMFGR167		1.7	0.091	0.06	2.07	48	2.29	6.92	85	7.7						
MMFGR168		8.0	<0.005	0.34	1.73	12	0.94	7.19	31	0.7					1901.0	510.1
MMFGR169		10.8	0.113	0.69	2.55	69	0.68	11.65	66	1.4					1813.0	254.8
MMFGR170		2.7	0.010	0.95	4.26	59	0.94	20.1	70	0.9					771.1	569.4
MMFGR171		11.5	<0.005	0.22	5.21	2	0.45	2.45	23	1.0					1335.5	128.2
MMFGR172		26.3	<0.005	0.19	2.90	1	1.05	2.53	16	1.1					1578.5	91.1
MMFGR173		25.2	<0.005	0.13	2.32	1	0.56	2.86	21	1.2					1959.5	80.9
MMFGR174		25.8	<0.005	0.19	2.34	1	0.57	2.77	24	1.2					2470	30.0
MMFGR175		<0.2	<0.005	<0.02	1.38	1	<0.05	0.27	<2	<0.5						
MMFGR176		1.8	0.095	0.06	2.28	49	2.54	7.83	88	8.5						
MMFGR177		25.1	<0.005	0.34	2.55	1	0.27	1.76	245	1.3		1.77			1661.5	6.6
MMFGR178		26.6	<0.005	0.17	4.35	1	0.52	3.46	82	1.1					1584.0	6.4
MMFGR179		10.6	<0.005	0.33	7.57	51	0.53	10.55	256	1.2					2100	248.2
MMFGR180		<0.2	<0.005	0.70	0.50	4	<0.05	1.77	91	<0.5				12.40	1514.0	24.0
MMFGR181		3.8	<0.005	0.34	6.10	24	<0.05	2.35	513	2.5	266		1.315		1847.0	7.2
MMFGR182		2.3	<0.005	0.10	2.30	20	0.84	1.81	127	1.3					2260	4.5
MMFGR183		6.2	0.142	0.33	4.64	73	0.87	7.70	37	3.7					2517	4.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 8- JUL- 2014
Account: TELOEX

Project: TELOEX R2

CERTIFICATE OF ANALYSIS WH14095625

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG46	As- OG46	Au- AA23	Au- GRA21
BAG- 01	CRU- 31	CRU- QC	LOG- 22
LOG- 24	ME- MS41	ME- OG46	ME- XRF10
OA- GRA06	Pb- OG46	PUL- 32m	PUL- QC
Sb- XRF10	SCR- 51	SPL- 21	WEI- 21

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3- AUG- 2014
Account: TELOEX

CERTIFICATE VA14113253

Project: TELOEX- R2

P.O. No.: FG14- 003

This report is for 23 Rock samples submitted to our lab in Vancouver, BC, Canada on 22- JUL- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL MIKE MCCUAIG	CHRIS GALLAGHER	GRAEME HOPKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 51	Screening
CRU- 31	Fine crushing - 70% <2mm
BAG- 01	Bulk Master for Storage
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32m	Pulverize 500g - 85%<75um
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA23	Au 30g FA- AA finish	AAS
ME- MS41	51 anal. aqua regia ICPMS	

To: TERRALOGIC EXPLORATION SERVICES INC.
ATTN: CHRIS GALLAGHER
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14113253

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
MMFGR184		1.78	<0.005	0.16	1.12	81.3	<0.2	<10	350	1.46	0.36	2.97	0.67	61.0	18.9	14
MMFGR185		1.00	0.024	0.93	0.69	2880	<0.2	<10	60	0.87	3.00	2.51	18.00	24.7	22.7	8
MMFGR186		2.98	<0.005	<0.01	0.03	1.0	<0.2	<10	<10	<0.05	0.01	>25.0	0.01	0.27	0.4	<1
MMFGR187		0.08	3.87	58.2	2.05	1100	3.3	<10	200	0.14	1.66	1.19	0.23	16.40	11.2	21
MMFGR188		1.24	0.005	0.24	0.69	204	<0.2	<10	160	1.41	0.46	2.65	0.50	45.0	17.9	9
MMFGR189		2.06	0.015	0.79	0.63	131.0	<0.2	<10	140	0.86	1.85	5.45	2.51	24.8	15.9	6
MMFGR190		2.08	0.012	0.18	0.99	101.0	<0.2	<10	200	1.42	0.73	4.76	0.79	43.8	18.0	9
MMFGR191		2.90	0.010	0.47	1.58	190.5	<0.2	<10	370	0.89	0.42	2.52	0.89	44.0	17.5	16
MMFGR192		2.48	0.191	7.43	0.86	529	0.2	<10	70	0.95	5.15	2.71	72.5	24.9	18.5	7
MMFGR193		3.28	0.010	0.10	2.13	326	<0.2	<10	530	1.14	0.32	3.44	1.32	51.2	21.1	15
MMFGR194		5.68	1.415	0.45	0.44	1880	1.4	<10	160	0.55	0.15	0.77	0.46	19.65	5.1	7
MMFGR195		3.56	2.35	0.35	0.40	2530	2.5	<10	50	0.55	0.43	1.40	0.52	17.05	6.1	8
MMFGR196		4.16	1.825	0.22	0.25	2450	1.9	<10	220	0.43	0.27	1.97	1.26	10.90	6.0	11
MMFGR197		5.98	1.790	0.40	0.31	1750	1.7	<10	370	0.42	0.17	0.29	1.30	9.12	5.5	12
MMFGR198		5.00	<0.005	0.01	0.05	3.0	<0.2	<10	10	<0.05	<0.01	>25.0	0.01	0.33	0.4	<1
MMFGR199		0.08	3.89	59.6	2.03	1095	3.7	<10	200	0.17	1.53	1.18	0.25	16.05	11.0	21
MMFGR200		5.20	0.107	0.19	0.92	153.5	<0.2	<10	540	1.28	0.47	4.76	0.58	32.0	16.4	10
MMFGR201		5.50	0.007	0.19	0.67	116.0	<0.2	<10	320	1.36	0.51	3.08	0.70	43.2	15.3	16
MMFGR202		4.84	0.017	0.15	0.82	210	<0.2	<10	260	1.56	0.34	4.20	0.33	52.5	17.6	19
MMFGR203		4.36	0.020	0.15	0.91	486	<0.2	<10	360	2.02	0.27	4.38	0.46	64.5	21.5	14
MMFGR204		4.14	0.007	0.33	1.22	943	<0.2	<10	360	1.30	0.61	3.25	0.40	46.1	16.2	13
MMFGR205		5.32	0.064	1.68	1.01	334	<0.2	<10	30	0.79	3.04	1.71	2.43	22.5	15.2	7
MMFGR206		5.32	0.128	2.73	0.67	7120	<0.2	<10	20	0.52	6.44	2.32	4.69	12.60	17.2	4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14113253

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
MMFGR184		26.7	13.8	6.12	4.11	0.08	0.04	0.04	0.081	0.33	28.4	26.9	1.40	1360	0.83	0.02
MMFGR185		7.04	66.7	5.84	1.76	0.06	0.03	0.06	2.96	0.35	11.7	19.1	1.20	1040	15.60	0.02
MMFGR186		<0.05	0.7	0.05	0.08	0.06	<0.02	<0.01	<0.005	<0.01	<0.2	0.3	2.10	29	0.08	<0.01
MMFGR187		0.51	106.0	3.83	5.79	0.08	0.12	0.25	0.016	0.28	7.9	6.8	0.86	535	9.59	0.24
MMFGR188		17.60	20.7	5.87	1.70	0.07	0.03	0.04	0.115	0.27	20.9	10.7	1.26	1300	3.03	0.01
MMFGR189		7.90	78.1	7.11	1.57	0.06	0.02	0.04	0.242	0.27	12.1	15.8	2.35	1420	7.32	0.02
MMFGR190		26.7	9.1	5.89	3.07	0.07	0.03	0.03	0.101	0.31	19.9	13.4	1.94	1480	1.11	0.03
MMFGR191		16.95	38.0	5.19	5.78	0.09	0.14	0.03	0.086	0.56	20.5	13.5	1.37	1100	1.17	0.11
MMFGR192		13.10	97.8	7.59	2.75	0.05	0.04	0.17	4.17	0.35	12.3	7.1	1.21	1420	0.95	0.01
MMFGR193		23.1	24.4	5.25	7.78	0.08	0.10	0.01	0.062	0.25	24.7	26.5	1.79	1300	1.55	0.06
MMFGR194		3.89	12.9	2.08	1.12	<0.05	0.02	0.01	0.014	0.20	12.5	5.7	0.28	1080	5.40	<0.01
MMFGR195		4.22	16.6	3.22	1.07	<0.05	0.03	0.02	0.026	0.20	9.8	5.5	0.54	1460	5.16	<0.01
MMFGR196		3.36	25.3	2.22	0.72	<0.05	<0.02	0.04	0.019	0.11	6.1	3.7	0.81	653	5.88	<0.01
MMFGR197		3.37	29.1	1.69	0.87	<0.05	0.03	0.08	0.036	0.14	5.5	3.0	0.10	589	12.75	<0.01
MMFGR198		<0.05	0.7	0.06	0.09	0.05	<0.02	0.01	<0.005	<0.01	<0.2	0.3	2.02	31	0.10	<0.01
MMFGR199		0.49	105.0	3.82	5.66	0.07	0.13	0.28	0.019	0.28	7.8	6.8	0.86	524	9.37	0.23
MMFGR200		10.60	18.7	5.58	2.63	0.05	0.03	0.08	0.067	0.22	15.7	20.5	1.99	797	5.57	0.01
MMFGR201		10.70	10.9	5.97	1.68	0.07	0.04	0.11	0.094	0.16	21.9	15.2	1.01	719	9.81	0.01
MMFGR202		11.85	14.1	6.96	2.08	0.07	0.04	0.07	0.105	0.19	25.3	21.3	1.45	795	16.35	0.01
MMFGR203		23.3	15.4	7.19	2.96	0.09	0.04	0.04	0.093	0.22	32.9	9.5	1.52	934	12.75	0.01
MMFGR204		29.3	24.8	5.50	3.94	0.07	0.05	0.05	0.074	0.35	22.1	9.9	1.06	731	5.33	0.05
MMFGR205		8.72	159.5	8.60	3.01	0.05	0.03	0.05	0.235	0.47	10.8	8.2	1.08	976	1.12	0.05
MMFGR206		3.59	149.0	7.95	1.73	<0.05	0.03	0.07	0.270	0.44	6.8	4.6	1.28	690	1.52	0.01

***** See Appendix Page for comments regarding this certificate *****

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14113253

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
MMFGR184		<0.05	11.1	2070	22.0	27.0	0.001	0.23	6.68	24.9	1.1	0.5	91.1	<0.01	0.03	15.4
MMFGR185		<0.05	14.8	1420	179.5	23.3	<0.001	1.74	16.15	12.1	0.5	2.7	48.6	<0.01	0.03	10.8
MMFGR186		<0.05	<0.2	60	0.5	0.2	0.001	0.06	<0.05	0.2	<0.2	<0.2	4770	<0.01	<0.01	<0.2
MMFGR187		0.22	15.4	650	9.3	9.9	0.001	0.13	15.25	3.7	2.0	1.8	100.5	<0.01	0.34	3.6
MMFGR188		<0.05	9.7	1760	35.0	21.1	0.001	0.38	6.51	22.7	0.5	0.5	82.5	<0.01	0.01	12.4
MMFGR189		<0.05	10.2	1320	98.4	17.9	0.001	1.71	17.70	13.6	0.6	1.2	87.9	<0.01	<0.01	7.4
MMFGR190		<0.05	10.0	1660	19.7	29.1	0.001	0.41	4.90	21.3	0.6	0.5	116.5	<0.01	0.01	10.2
MMFGR191		0.14	10.3	1780	36.9	47.3	0.001	0.31	14.15	16.7	0.5	1.2	99.4	<0.01	0.02	10.5
MMFGR192		<0.05	10.7	1540	1175	25.7	<0.001	2.88	11.75	12.6	0.6	2.8	64.5	<0.01	<0.01	3.5
MMFGR193		<0.05	11.6	1670	14.8	29.5	0.001	0.17	6.17	19.1	0.3	0.8	147.5	<0.01	0.01	7.3
MMFGR194		<0.05	5.3	190	103.5	16.7	0.001	0.92	10.15	2.2	<0.2	0.3	37.1	<0.01	0.02	4.2
MMFGR195		<0.05	7.9	150	22.8	17.5	0.001	2.37	16.10	2.0	<0.2	0.5	44.3	<0.01	0.03	4.7
MMFGR196		<0.05	7.3	120	27.2	10.4	<0.001	1.07	177.5	2.2	<0.2	0.7	45.4	<0.01	0.01	2.9
MMFGR197		<0.05	4.7	110	88.5	11.9	0.001	0.59	24.7	2.2	<0.2	1.0	33.0	<0.01	0.01	3.8
MMFGR198		<0.05	<0.2	60	0.4	0.2	0.001	0.09	0.13	0.2	<0.2	<0.2	5070	<0.01	0.01	<0.2
MMFGR199		0.22	15.0	640	8.9	9.8	0.001	0.13	15.00	3.6	2.1	1.8	99.0	<0.01	0.32	3.7
MMFGR200		<0.05	9.1	1510	21.9	18.9	0.002	0.35	6.61	18.3	0.7	0.7	150.5	<0.01	<0.01	5.7
MMFGR201		<0.05	10.2	1990	22.0	14.9	0.004	0.15	6.21	26.9	0.5	0.4	98.0	<0.01	0.01	6.4
MMFGR202		<0.05	11.1	2130	22.6	14.7	0.004	0.18	5.58	30.1	1.0	0.4	87.4	<0.01	0.02	7.0
MMFGR203		<0.05	11.1	1880	19.2	21.6	0.003	0.21	5.99	27.6	1.0	0.4	242	<0.01	0.02	6.8
MMFGR204		<0.05	9.7	1700	22.9	33.1	0.001	0.53	9.45	19.8	0.7	0.8	133.5	<0.01	0.01	6.2
MMFGR205		<0.05	10.1	1330	52.4	36.6	0.001	4.03	34.2	8.8	0.4	1.5	74.2	<0.01	0.04	5.5
MMFGR206		<0.05	11.0	1200	117.5	29.9	0.001	4.26	44.9	4.7	0.5	3.7	55.6	<0.01	0.06	5.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 3- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14113253

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	SCR- 51	SCR- 51
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	WT.+ 2mm	WT.- 2mm
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	g
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.1	0.1
MMFGR184		<0.005	0.83	6.11	111	1.12	26.1	136	1.2	860.0	664.0
MMFGR185		<0.005	0.76	2.56	67	0.81	12.95	1530	1.1	720.0	59.0
MMFGR186		<0.005	<0.02	1.32	<1	<0.05	0.37	2	<0.5		
MMFGR187		0.152	0.08	1.08	99	0.65	6.28	54	2.7		
MMFGR188		<0.005	1.12	2.69	75	1.12	22.8	134	0.6	220.0	682.0
MMFGR189		<0.005	0.71	3.38	63	0.71	16.25	318	0.9	1120.0	620.0
MMFGR190		<0.005	0.89	4.76	82	0.84	27.0	131	0.8	1820.0	55.0
MMFGR191		0.088	0.61	2.57	113	0.98	20.1	160	3.1	1800.0	684.0
MMFGR192		<0.005	0.50	3.18	60	0.65	17.05	7030	1.8	1780.0	377.0
MMFGR193		0.011	0.27	5.81	104	0.74	25.7	139	2.8	2600	349.0
MMFGR194		<0.005	0.39	2.33	7	0.69	5.35	38	0.7	4780	458.0
MMFGR195		<0.005	0.57	2.65	6	0.54	4.70	54	1.0	3200	107.0
MMFGR196		<0.005	0.57	2.21	9	0.31	4.09	97	0.5	4020	50.0
MMFGR197		<0.005	0.40	3.18	9	1.04	4.18	234	1.1	5520	237.0
MMFGR198		<0.005	<0.02	1.35	<1	<0.05	0.43	<2	<0.5		
MMFGR199		0.149	0.09	1.03	99	0.71	6.06	55	2.7		
MMFGR200		<0.005	0.35	4.95	83	1.01	19.75	107	0.7	2400	1886.0
MMFGR201		<0.005	0.38	7.09	126	1.33	24.2	139	0.8	3120	1393.0
MMFGR202		<0.005	0.40	7.30	140	1.18	27.8	123	0.7	1200.0	2635
MMFGR203		<0.005	0.42	8.16	117	1.24	32.5	138	0.7	1480.0	2096
MMFGR204		0.010	0.68	3.90	103	0.94	22.6	130	0.8	2100	1398.0
MMFGR205		0.007	0.69	2.82	53	0.55	11.85	263	0.8	4220	766.0
MMFGR206		<0.005	0.50	2.52	32	0.47	7.30	475	0.8	4500	579.0

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ALS Canada Ltd.
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 3- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14113253

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA23	BAG- 01	CRU- 31	CRU- QC
LOG- 22	LOG- 24	ME- MS41	PUL- 32m
PUL- QC	SCR- 51	SPL- 21	WEI- 21

ALS Canada Ltd.
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 28- AUG- 2014
Account: TELOEX

CERTIFICATE VA14123753

Project: TELOEX- R2

P.O. No.: FG14- 004

This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on 11- AUG- 2014.

The following have access to data associated with this certificate:

JESSE CAMPBELL MIKE MCCUAIG	CHRIS GALLAGHER	GRAEME HOPKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 51	Screening
CRU- 31	Fine crushing - 70% <2mm
BAG- 01	Bulk Master for Storage
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 32m	Pulverize 500g - 85%<75um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
ME- MS41	51 anal. aqua regia ICPMS	

To: TERRALOGIC EXPLORATION SERVICES INC.
ATTN: MIKE MCCUAIG
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 28- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14123753

Sample Description	Method	WEI- 21	Au- AA23	Au- GRA21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
MMFGR209		7.00	3.82		>100	0.28	>10000	8.0	<10	10	0.16	305	0.85	5.47	3.49	12.5
MMFGR210		3.38	0.005		0.13	0.02	14.1	<0.2	<10	<10	<0.05	0.39	>25.0	0.01	0.32	0.4
MMFGR211		5.48	>10.0	19.90	>100	0.23	>10000	18.6	<10	10	0.18	451	0.10	5.30	6.10	3.4
MMFGR212		4.82	1.355		83.3	0.24	>10000	1.0	<10	20	0.21	131.5	1.03	73.6	5.87	9.6
MMFGR213		3.72	0.006		0.11	0.07	6.0	<0.2	<10	10	<0.05	0.23	>25.0	0.03	0.39	0.4
MMFGR214		4.26	9.03		50.3	0.27	>10000	4.4	<10	10	0.16	90.6	1.53	2.35	5.25	5.7
MMFGR215		1.92	1.870		0.19	0.16	2110	1.8	<10	270	0.27	0.27	1.02	0.19	6.12	3.4
MMFGR216		4.10	0.005		0.13	0.35	60.3	<0.2	<10	70	0.55	0.18	4.10	0.51	18.45	6.6
MMFGR217		3.68	0.027		0.19	0.44	167.5	<0.2	<10	430	0.42	0.51	1.52	1.47	27.5	6.3
MMFGR218		4.48	0.012		0.39	0.30	257	<0.2	<10	190	0.57	0.82	3.62	0.52	19.10	7.6
MMFGR219		4.54	0.008		1.79	0.32	100.5	<0.2	<10	320	0.43	5.40	0.23	0.50	20.5	1.1
MMFGR220		2.16	0.013		0.87	0.69	727	<0.2	<10	170	1.12	3.99	1.70	4.39	38.2	21.0
MMFGR221		2.74	0.383		4.11	0.28	1130	0.5	<10	90	0.19	13.35	0.08	0.78	10.65	6.8
MMFGR222		3.22	<0.005		0.01	0.02	1.4	<0.2	<10	10	<0.05	0.02	>25.0	0.01	0.28	0.4
MMFGR223		0.08	4.00		58.3	1.93	1070	5.2	<10	200	0.17	1.45	1.10	0.22	16.75	10.5
MMFGR224		2.16	<0.005		0.36	1.19	1640	<0.2	<10	210	1.07	1.17	0.89	1.02	43.4	10.0
MMFGR225		4.94	0.005		0.15	0.51	47.0	<0.2	<10	990	0.92	0.44	6.60	0.43	40.1	17.5
MMFGR226		2.00	0.377		1.41	0.22	>10000	0.4	<10	50	0.16	4.25	1.00	1.21	9.32	3.0

***** See Appendix Page for comments regarding this certificate *****

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVENUE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 28- AUG- 2014
Account: TELOEX

Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14123753

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
MMFGR209		2	0.91	8550	24.6	0.90	0.09	0.03	0.24	5.24	0.19	1.8	0.6	0.39	241	7.91
MMFGR210		1	<0.05	9.1	0.08	0.06	<0.05	<0.02	0.04	0.005	<0.01	<0.2	0.4	1.80	24	0.07
MMFGR211		2	0.63	6800	29.0	0.72	0.09	0.04	0.18	4.30	0.16	3.3	0.3	0.08	96	2.65
MMFGR212		3	1.57	3450	16.50	0.74	0.05	0.05	0.18	5.48	0.19	3.0	0.4	0.40	231	11.15
MMFGR213		1	<0.05	4.7	0.09	0.13	<0.05	0.03	0.04	0.005	0.01	0.2	0.4	2.14	27	0.09
MMFGR214		4	1.29	2420	22.9	0.76	0.06	0.05	0.12	1.095	0.19	2.6	0.7	0.73	1180	1.20
MMFGR215		15	3.27	10.3	1.76	0.43	<0.05	<0.02	0.06	0.009	0.09	3.2	1.3	0.37	382	4.52
MMFGR216		6	8.19	13.2	2.44	0.69	<0.05	0.08	0.07	0.022	0.16	9.8	7.0	1.64	701	5.02
MMFGR217		7	5.78	12.4	3.03	1.22	<0.05	0.08	0.06	0.209	0.21	13.9	5.7	0.66	791	1.43
MMFGR218		5	7.42	24.0	3.50	0.65	<0.05	0.09	0.05	0.031	0.16	9.8	1.7	1.29	1120	1.34
MMFGR219		4	10.95	423	0.57	0.64	<0.05	0.18	0.05	0.049	0.20	11.7	2.6	0.06	103	2.07
MMFGR220		11	18.45	132.5	6.92	1.98	0.06	0.04	0.15	0.595	0.21	18.2	6.7	0.82	1500	4.14
MMFGR221		7	4.27	151.5	6.62	0.70	<0.05	0.04	0.26	1.470	0.17	5.5	2.4	0.04	414	5.40
MMFGR222		<1	<0.05	0.9	0.05	0.06	<0.05	<0.02	0.02	<0.005	<0.01	<0.2	0.3	1.90	28	0.07
MMFGR223		21	0.48	104.0	3.63	5.51	0.06	0.14	0.28	0.026	0.27	8.1	7.5	0.82	503	9.45
MMFGR224		12	13.10	44.5	9.72	5.66	0.10	0.11	0.08	0.583	0.45	22.5	14.5	0.62	954	2.55
MMFGR225		5	14.55	30.8	5.70	1.42	0.05	0.02	0.04	0.047	0.18	22.2	7.6	2.20	1240	2.42
MMFGR226		4	1.66	44.4	3.27	0.49	<0.05	0.04	0.04	0.064	0.20	4.8	0.4	0.40	301	2.16

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Project: TELOEX- R2

CERTIFICATE OF ANALYSIS VA14123753

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
MMFGR209		<0.01	<0.05	5.1	220	1670	13.9	<0.001	>10.0	1335	1.2	0.9	14.4	24.3	<0.01	0.07
MMFGR210		<0.01	<0.05	<0.2	40	2.4	0.1	<0.001	0.11	2.27	0.2	0.5	<0.2	4330	<0.01	0.03
MMFGR211		<0.01	<0.05	3.2	240	1515	10.5	<0.001	>10.0	614	1.0	0.9	10.2	5.0	<0.01	0.01
MMFGR212		<0.01	<0.05	7.3	600	3230	13.9	<0.001	>10.0	445	2.0	0.7	8.1	26.2	<0.01	0.03
MMFGR213		0.01	<0.05	<0.2	60	3.0	0.2	0.001	0.12	0.90	0.3	0.5	<0.2	4750	<0.01	0.03
MMFGR214		<0.01	<0.05	5.4	450	984	13.1	<0.001	>10.0	547	1.4	0.6	5.5	44.9	<0.01	0.01
MMFGR215		<0.01	<0.05	4.0	310	19.6	9.2	<0.001	0.92	18.35	1.1	0.2	<0.2	29.0	<0.01	0.01
MMFGR216		0.01	0.06	3.0	410	20.9	10.0	0.001	0.16	5.92	5.5	0.5	<0.2	59.4	<0.01	<0.01
MMFGR217		0.03	0.05	3.9	770	16.7	10.1	<0.001	0.34	334	5.7	0.5	0.2	54.9	<0.01	0.01
MMFGR218		<0.01	<0.05	5.2	540	26.4	11.2	<0.001	1.10	13.40	6.4	0.6	0.2	124.5	<0.01	0.01
MMFGR219		<0.01	0.12	0.8	60	32.9	13.1	<0.001	0.12	201	0.4	0.3	<0.2	23.1	<0.01	0.08
MMFGR220		0.01	<0.05	11.2	1300	27.3	19.5	<0.001	0.17	20.3	15.2	0.9	0.7	58.4	<0.01	0.06
MMFGR221		<0.01	<0.05	4.4	530	97.5	14.5	0.001	2.07	37.3	2.8	0.5	1.0	13.8	<0.01	0.15
MMFGR222		<0.01	<0.05	0.2	50	0.3	0.2	<0.001	0.06	0.20	0.2	0.5	<0.2	4670	<0.01	0.03
MMFGR223		0.22	0.25	14.8	610	10.4	9.3	0.001	0.13	15.50	3.6	2.4	1.7	97.6	<0.01	0.32
MMFGR224		0.37	0.23	7.8	1810	20.2	39.9	<0.001	1.30	7.66	10.1	0.5	0.8	298	<0.01	0.03
MMFGR225		0.01	<0.05	12.4	1230	16.5	15.6	0.001	0.32	3.83	15.1	1.1	<0.2	234	<0.01	0.02
MMFGR226		<0.01	0.24	1.5	20	75.9	13.8	<0.001	2.48	45.1	0.4	0.4	1.4	16.2	<0.01	0.02

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CERTIFICATE OF ANALYSIS VA14123753

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	As- OG46	SCR- 51	SCR- 51
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Ag	As	WT.+ 2mm	WT.- 2mm
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g	g
	LOR	0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.01	0.1	0.1
MMFGR209		2.4	<0.005	1.22	1.41	6	0.36	2.22	334	0.6	98	1.78	6804	164.4
MMFGR210		<0.2	<0.005	<0.02	1.28	1	<0.05	0.41	<2	<0.5			3348	23.2
MMFGR211		3.3	<0.005	1.58	2.24	6	0.77	1.82	277	0.8	145	1.08	5056	279.6
MMFGR212		5.1	<0.005	0.59	2.23	9	0.41	3.23	5520	1.0		1.54	4640	134.9
MMFGR213		<0.2	<0.005	<0.02	1.31	1	<0.05	0.53	5	0.8			3676	27.3
MMFGR214		6.6	<0.005	0.55	1.70	7	0.27	3.47	152	0.9		1.22	3838	295.2
MMFGR215		1.3	<0.005	0.38	1.51	5	0.29	3.01	28	<0.5			1844.0	62.9
MMFGR216		11.7	<0.005	0.50	6.42	23	0.60	8.96	76	1.3			2661	1106.5
MMFGR217		7.6	0.005	0.39	1.58	38	0.47	7.53	156	1.7			573.0	2425
MMFGR218		10.7	<0.005	0.40	8.73	18	0.66	11.65	102	1.6			1372.0	2275
MMFGR219		18.4	<0.005	0.15	2.67	1	1.19	3.60	81	4.4			4409	40.6
MMFGR220		3.3	<0.005	0.43	13.40	91	1.64	21.8	476	0.9			1178.5	562.9
MMFGR221		3.0	<0.005	0.32	13.80	26	0.48	1.78	663	0.7			702.9	1397.0
MMFGR222		<0.2	<0.005	<0.02	1.20	1	<0.05	0.34	2	<0.5			3001	84.3
MMFGR223		3.2	0.156	0.08	1.05	96	0.72	5.89	54	2.6				
MMFGR224		7.2	0.064	0.65	14.50	75	1.05	7.97	160	2.5			1352.0	340.1
MMFGR225		7.5	<0.005	0.48	3.35	58	0.40	23.2	101	0.5			2025	2184
MMFGR226		21.1	<0.005	0.33	2.29	1	0.19	2.39	105	0.8		1.40	1771.0	69.0

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CERTIFICATE OF ANALYSIS VA14123753

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG46	As- OG46	Au- AA23	Au- GRA21
BAG- 01	CRU- 31	CRU- QC	LOG- 22
ME- MS41	ME- OG46	PUL- 32m	PUL- QC
SCR- 51	SPL- 21	WEI- 21	

Appendix VI

Bedrock Geologic Mapping Data

Appendix 6.1
Station Locations and Descriptions

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
MMFGG039	6/20/2014	GPS	819	386600.5	6910424		TR14-027 - total length is 6.3 metres. The trench begins 2.0 meters west from the end of sample MMFGR146 in TR13-019. TR14-027 was designed to cross-cut mineralized veins which were buried underneath the creek last year. The trench extended the width of the Irene mineralization trend by ~ 4.0 meters.
MMFGG040	6/20/2014	GPS	816	386614.8	6910420		TR14-028 - 8.0 metres east of TR13-019. Total length of trench is 6.0 m. Trench Azmiuth is 230 degrees. Northern extent of outcrop exposure was buried under ice so the total width of the mineralized zone could not be sampled.
MMFGG041	6/21/2014	GPS	815	386574	6910435		TR14-029 - Located in the southern wall of the placer workings. Poor outcrop exposure in the area, resistive outcrop sticking out from gravels. Appears to be up to 2.0 metres wide within the granodiorite but it is very hard to tell given the poor exposure.
MMFGG042	6/21/2014	GPS	950	387397	6909845		Old workings/hand trenching ~ 10 meter long cut Az 010.
MMFGG043	6/21/2014	GPS	1106	387746	6909288		Old hand trench west of the red fox showing. 5 m long x-cut @ ~ Az 130. Blocky sub-angular to angular material.
MMFGG044	6/21/2014	GPS	1146	387947	6909190		West of Vindicator showing. 1.7 meter vide vein - likely the extension of the vein sampled in the vindicator trench.
MMFGG045	6/21/2014	GPS		387804	6909359		
MMFGG046	6/21/2014	GPS		387733	6909561		Old trench uncovering barren quartz-feldspar porphyry dyke. No Sample.
MMFGG047	6/21/2014	GPS		387664	6909561		
MMFGG048	7/18/2014	GPS	820	386618	6910416		TR14-030 is located 18.0 m east of TR13-019; 10.0 m east of TR14-024. 7.0 m wide trench @ Az 210.
MMFGG049	7/19/2014	GPS	830	386652	6910396		TR14-031. Az 230 - 10.5 metres long.
MMFGG050	8/3/2014	GPS	820	386619.5	6910418		Northern extension of TR14-030. Sampling starts 2.3 m north of sample MMFGR184.
MMFGG051	8/3/2014	GPS	822	386627.9	6910426		9.0 m north of massive sulphide mineralization - grab sample while equipment is not working on ramp.
MMFGG052	8/3/2014	GPS	822	386621	6910402		
MMFGG054	8/3/2014	GPS	822	386646	6910377		
MMFGG055	8/3/2014	GPS	822	386652	6910371		Continuation of NW trending shear zone observed in MMFGG054.
MMFGG056	8/3/2014	GPS	731	385785	6910895		
MMFGG057	8/3/2014	GPS	722	385742	6910895		
MMFGG058	8/3/2014	GPS	721	385735	6910896		15.0 m west along the creek from previous station.
MMFGG059	8/3/2014	GPS	727	385726	6910896		
MMFGG060	8/3/2014	GPS	698	385675	6910918		Contact between granite and diorite/andesite.
MMFGG061	8/3/2014	GPS	703	385658	6910925		
MMFGG062	8/3/2014	GPS	820	386608	6910412		6.0 metres west of TR14-030.

Appendix 6.2
Lithology Descriptions

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
MMFGG039	outcrop	95	GRD	granodiorite	quartz diorite	medium	Granodiorite exposed along the southern wall of the placer working for approximately 40 meters east of TR13-019. The tue technical term for the rock type would be biotite hornblende granodiorite. Where the rock unit is fresh it is dark greenish black - greenish white in color. Alteration is texture destructive and removes mafics yielding a bleached appearance.
MMFGG040	outcrop	95	GRD	granodiorite	quartz diorite	medium	Light grey - greenish - reddish grey - white in color. Generally equigranular although alteration makes it difficult to identify the original texture. Mafic minerals biotite and hornblende are generally replaced by intense silica alteration but are preserved to a degree in the southern most outcrop exposure in the trench. East of the trench alteration decreases and that is where the mafic minerals were identified in hand specimen.
MMFGG041	outcrop	85	GRD	granodiorite	breccia	medium-fine	
MMFGG042	rubble	100	GRD	granite		medium-fine	
MMFGG043	rubble	100	SCH	metasedimentary rock	vein	fine	
MMFGG044	outcrop	100		vein		fine	It is unknown if the outcrop has been previously sampled. It was clear that someone had hammered on the outcrop but no sample tages were observed. The outcrop is very resistive. Weathered surfaces are orange-yellow from the leaching of sulphides.
MMFGG045	rubble		SCH	metasedimentary rock		medium-fine	Rubble colleced from sub-crop in the moss. Silicified/chloritized metasedimentary rock. Fragments of vuggy quartz with drusy euhedral quartz crystals.
MMFGG047	float		SCH	calc silicate rock		medium-fine	Two separate rock types were collected from rubble crop - one is a leached qfp and the other is a calc silicate rock.
MMFGG048	outcrop	30		gouge		medium-fine	Gouge zones form in two orientations. One x-cutting mineralization (~N-S) and one paralleling vein contacts.
MMFGG048	outcrop	60	GRD	granodiorite		medium-fine	Yellowish grey-brown 8/4 YR weathered surface. White-yellow YR 8/2 fresh. Granodiorite from 0.0-0.7 m.
MMFGG049	outcrop	30	GRD	granodiorite		medium-fine	7.5 - 10.5 m. Sample 207 is located 5 m south of end of trench. Grab sample for geophysics - petrophysics. Weakly to moderately magnetic.
MMFGG049	outcrop	40	QFP	quartz feldspar porphyry		medium-fine	0.0 - 4.1 m. Very hard resitive bedrock. Northern contact yet to be defined, extensive cover/till/gravel.
MMFGG049	outcrop	30		gouge	granodiorite	medium-fine	4.2 - 7.5 m. Contact with the quartz feldspar porphyry is very sharp, distinct and planar.
MMFGG050	outcrop	100	GRD	granodiorite		medium-fine	Granodiorite is strongly altered, sheared- alteration related to veining and related hydrothermal activity. Original minerals rarely observed - replaced by alteration/mineralization.
MMFGG051	subcrop		QFP	quartz feldspar porphyry	breccia	fine	Grey crystalline silica breccia - same as original discovery sample.

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Grain Size	Notes
MMFGG052	outcrop	50	QFP	quartz feldspar porphyry		medium-fine	Qfp dyke - excellent control on contact relationships. 5.5 metres wide. Parallel contacts.
MMFGG052	outcrop	50	GRD	granodiorite	diorite	medium	
MMFGG054	outcrop	20	GRD	quartz diorite		medium-fine	
MMFGG054	outcrop	80		gouge		medium-fine	
MMFGG055	outcrop	100		gouge	granodiorite	medium-fine	
MMFGG056	outcrop	100	GRA	granite		medium-coarse	Different intrusive phase from that observed at the Irene showing. Weakly to moderately magnetic.
MMFGG057	outcrop	100	GRA	granite	granodiorite	medium-coarse	Weakly magnetic - patchy.
MMFGG058	outcrop	100	GRA	granite	granodiorite	medium-coarse	
MMFGG059	outcrop	100	GRA	granite	granodiorite	medium-coarse	
MMFGG060	outcrop	40	GRA	granite		medium	Very blocky outcrop from multiple joint sets. 5 cm xenoliths observed within the granite - round.
MMFGG060	outcrop	60	AND	diorite	andesite	coarse-very fine	Moderately magnetic. Diorite-andesite porphyry intruding coarse grained, equigranular granite.
MMFGG061	outcrop	100	GRA	granite	granodiorite	medium	
MMFGG062	outcrop	100	GRA	granodiorite		medium-fine	

Appendix 6.3
Structure Descriptions

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
MMFGG039	gouge		136	86	good	Gouge within granodiorite at southern end of TR14-023. Strong clay alteration accompanies the gouge. Fine grained sulphides disseminated within discreet blue-grey veinlets which parallel the gouge zone.
MMFGG039	joint		216	90	moderate	Centimetre frequency for joint intensity.
MMFGG039	veinlet (<10cm)		305	90	good	High grade veinlet - MMFGR165 and MMFGR180.
MMFGG039	mylonitic fabric		65	37	good	
MMFGG039	fault plane		308	62	good	Slickenside indicates right lateral motion.
MMFGG039	fault plane		310	73	good	Slickedside indicates right lateral motion.
MMFGG039	fault plane		72	87	good	
MMFGG039	gouge		274	83	moderate	
MMFGG039	fracture		330	75	good	Chloritic slickenside indicate left-lateral motion.
MMFGG040	veinlet (<10cm)		276	90	good	Aspy veinlet.
MMFGG040	veinlet (<10cm)		105	78	good	Chalcedony-sulphide veinlet.
MMFGG040	veinlet (<10cm)		264	90	good	Aspy, Py, SbS veinlet.
MMFGG044	vein (>10cm)		116	90	moderate	
MMFGG048	gouge		70	84	moderate	Late post-mineralization veining.
MMFGG048	fracture		15	85	moderate	Fracturr hosts post mineralization white clay gouge ~ 2 mm wide.
MMFGG048	veinlet (<10cm)		110	74	good	@5.3 m.
MMFGG048	veinlet (<10cm)		110	80	moderate	@ 3.0 m.
MMFGG048	gouge		110	84	good	Cleavage associated with deformation @ 91/85.
MMFGG048	veinlet (<10cm)		70	90	good	@0.9 m.
MMFGG049	fault plane		125	85	moderate	@4.2 metres - very sharp break from brecciated qfp but still contains mineralized continuous quartz veining.
MMFGG049	joint		140	84	good	@2.3 m.
MMFGG049	fracture		255	90	moderate	@ 5.9 m.
MMFGG049	fracture		57	90	good	@ 9.0 m. Density of 10/m.
MMFGG049	veinlet (<10cm)		297	88	moderate	@ 4.2 m.
MMFGG050	gouge		354	23	good	Contains ground sulphide mineralization - post mineralization.
MMFGG050	shear plane		10	82	good	
MMFGG050	slickenline		145	12	good	Left-lateral motion indicated by steps on shear surface.
MMFGG050	fault plane		235	66	good	Cuts off mineralized vein in TR14-030.
MMFGG050	vein (>10cm)		290	72	good	
MMFGG052	contact - lithologic		55	82	good	Sharp, distinct contact between granodiorite and qfp. Q
MMFGG052	joint		236	68	good	

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
MMFGG052	joint		40	36	good	
MMFGG052	veinlet (<10cm)		225	45	good	
MMFGG052	joint		135	49	good	
MMFGG054	gouge	3	245	24	good	
MMFGG054	vein (>10cm)		90	63	good	
MMFGG054	shear plane		340	77	good	
MMFGG055	shear plane		335	89	good	
MMFGG056	shear plane		74	55	good	
MMFGG056	joint		298	42	good	3/m.
MMFGG056	joint		189	74	good	4/m
MMFGG056	joint		90	84	good	2/m
MMFGG057	fault plane		186	68	good	
MMFGG057	fault plane		330	90	good	
MMFGG058	fault plane		56	79	good	
MMFGG058	fault plane		318	72	good	
MMFGG059	fault plane		196	74	good	Dominant fault direction. 20/m density.
MMFGG059	fault plane		77	72	good	10/m density.
MMFGG059	fault plane		335	75	good	5/m density.
MMFGG060	contact - lithologic		13	90	moderate	Contact b/w granite and diorite.
MMFGG060	veinlet (<10cm)		79	80	good	
MMFGG061	fault plane		75	78	good	
MMFGG061	fault plane		272	89	good	
MMFGG062	gouge		345	90	moderate	X-cuts mineralized vein.
MMFGG062	veinlet (<10cm)		278	84	good	

Appendix 6.4
Vein Interval Descriptions

Station Number	Width (cm)	Density	Grainsize	Dominant Color	Texture	Veining Notes
MMFGG039	0.5	10	very fine	light grey	stockwork	Veinlets are observed across the interval at 10-15 veinlets per meter from the start of the trench until 4.5 metres. Then the density decreases to 5 veinlets per meter. When veinlet denisty decreases so does the intensity of alteration. Rhodochrosite veinlets are often observed cross-cutting mineralization and rarely host any sulphide mineralization. Sulphides associated with chalcedony-quartz-calcite gangue which is often dark grey blue in color. Veins often bifurcate and coalece along strike, multiple orientations noted which range from 305 - 330 degrees.
MMFGG040	0.1	15	medium-fine	very pale brown	stockwork	
MMFGG040	1.5	10	very fine	light grey	stockwork	
MMFGG044	170		medium-fine	ark greyish brow	vuggy	
MMFGG049	1	2	medium-fine	light grey	stockwork	
MMFGG049	1	5	medium	very pale white	stockwork	Stockwork veining intimately associated with si-se-k fsp alteration and sulphidation event.
MMFGG050	8	7	medium-coarse	light grey	multistage	Dolomite hosts nodular pyrite. Aspy-cpy-Sb-po associated with silica-calcite and barite. Partially vugged - calcite dissolution. Drusy quartz infilling vuggy cavaties.
MMFGG052	0.5	5	very fine	pale white (purp	stockwork	40 cm wide zone of veining within qfp. 1.5 metres west of GPS coordinate.
MMFGG054	15		medium-coarse	dark grey	fractured	
MMFGG055	1	4	medium-fine	very pale white	fractured	
MMFGG059	0.5		fine	very pale white	bull	
MMFGG060	0.1	3	fine	very pale white	infill	
MMFGG062	2	3	medium-fine	light grey	multistage	

Appendix 6.5
Mineralization Descriptions

Station Number	Code	Style	Oxidation (1-5)	Notes
MMFGG039		brecciated	1	MMFGR0165 and MMFGR180 - breccia hosted mineralization. High grade mineralization restricted to discreet 10 cm wide zone within the brecciated granodiorite. Stibnite xls are bluish - grey and weakly oxidized with a irredecent tarnish. The sibinte xls are striated and often occur as acicular - columnar radiating crystal aggregates. Arsenopyrite and pyrite rim the stibnite xls within dark grey chalcedonic quartz.
MMFGG039		disseminated	0	Samples MMFGR163. Pyrite is conspiciously disseminated throughout the altered granodiorite and arsenopyrite occurs as discreet blemishes which are blue-grey in color and rarely exceed 3 mm in diameter. Possibly replacing the mafic minerals within the granodiorite. Also observed as acicular xls @ veinlet contacts. Arsenopyrite observed as slickenfibres/mineral lineations within mm scale shear planes, but were not observed in place only in rubble.
MMFGG040		disseminated	0	Pyrite and Arsenopyrite are disseminated throughout the granodiorite and replace the mafic minerals. Modal percentage range from 0.1 - 1.0 % for pyrite and 0.1 - 0.5 % for arsenopyrite. Pyrite is cubic and xls are up to 5 mm wide. Arsenopyrite is prismatic or acicular and ranges in size from 0.1 - 1.0 mm.
MMFGG040		veinlets	0	Veinlets of sulphide cross-cut the granodiorite. Locally the veinlets are up to 3 cm wide. Alteration intensity is greatest at vein contacts.
MMFGG041		disseminated	1	Mineralization is hosted within breccia matrix and often rims framework clasts.
MMFGG044		blebby	4	Sulphides have been leached from weathered portions of the vein. Observed in fresh portions of the vein where broken.
MMFGG047		disseminated	2	Pyrite is tarnished on weathered surfaces and is partially leached from the surfaces yielding a pitted appearance.
MMFGG048		veinlets	2	
MMFGG048		disseminated	3	Pyrite replaces mafics (biotite and hornblende).
MMFGG049		veinlets	2	
MMFGG049		disseminated	1	Vfg aspy within calcedony bx matrix. Dark grey blue stringers and disseminated clots within the breccia.
MMFGG049		disseminated	2	Euhedral pyrite disseminated and as stringers up to 10 mm wide x-cutting quartz veins containing trace aspy.
MMFGG049		veinlets	1	Associated with quartz- Mn carbonate veining. In places semi-massive pyrite.
MMFGG049		brecciated	2	Semi-massive pyrite brecciated as 2 - 15 mm framework clasts.
MMFGG050		semimassive	1	Paragenetic sequence: 1. Pyrite 2. Pyrrhotite - magnetic 3. Arsenopyrite, chalcopyrite, stibnite and tetrahedrite
MMFGG051		disseminated	2	
MMFGG052		trace	0	Hosted in veins parallel to prominent sub vertical jointing.
MMFGG054		veined	1	Sulphides partially ground from brittle shear. Possible tetrahedrite - weakly magnetic in places?
MMFGG057		disseminated	1	
MMFGG059		disseminated	1	Associated with faulting and Si+Se alteration.
MMFGG061		disseminated	1	Associated with Si+Se alteration.
MMFGG062		blebby	1	

Appendix 6.6
Alteration Descriptions

Station Number	Mineral	Assemblage Generation	Process	Texture	Distribution	Intensity (1-5)	Notes
MMFGG039	sericite		replacement	pervasive	halo	5	Silica alteration is pervasive as chalcedony and fine grained quartz through out the matrix of the rock - overprints original quartz xls and mafics. Sericite is light greenish grey in color - selective to feldspar xls. Clay is progressive alteration of the feldspars and was observed within shear zone @ southern margin of the trench.
MMFGG039	clay		replacement	pervasive	halo	5	Silica alteration is pervasive as chalcedony and fine grained quartz through out the matrix of the rock - overprints original quartz xls and mafics. Sericite is light greenish grey in color - selective to feldspar xls. Clay is progressive alteration of the feldspars and was observed within shear zone @ southern margin of the trench.
MMFGG039	limonite		dissolution		fractures	4	Limonite occurs as fracture fill and encrusts fractures within the gouge zone at the southern margin of the trench.
MMFGG039	silica		replacement	pervasive	halo	5	Silica alteration is pervasive as chalcedony and fine grained quartz through out the matrix of the rock - overprints original quartz xls and mafics. Sericite is light greenish grey in color - selective to feldspar xls. Clay is progressive alteration of the feldspars and was observed within shear zone @ southern margin of the trench.
MMFGG040	silica		replacement	pervasive	selective	5	Silica and Sericite alteration directly related to deformation zone hosting the Irene showing. Mafic minerals destroyed by silica/chalcedony alteration. Sericite selective to feldspar- greenish yellow in color and partially to fully replaces feldspar. Alteration intensity ranges from 4-5. Decreases at southern edge of trench.
MMFGG040	sericite		replacement	pervasive	selective	5	Silica and Sericite alteration directly related to deformation zone hosting the Irene showing. Mafic minerals destroyed by silica/chalcedony alteration. Sericite selective to feldspar- greenish yellow in color and partially to fully replaces feldspar. Alteration intensity ranges from 4-5. Decreases at southern edge of trench.
MMFGG041	silica		replacement	pervasive	envelope	5	Alteration as envelope to breccia.
MMFGG041	sericite		replacement	pervasive	envelope	5	Alteration as envelope to breccia.
MMFGG044	silica		infill		fractures	5	
MMFGG044	limonite		dissolution	corrosive	selvage	5	Limonite infills box-work texture from weathered pyrite.
MMFGG048	clay		replacement	pervasive	envelope	4	Pervasive alteration associated with veining - alteration envelope to Irene vein system. Extends ~ 15 cm on veinlet contacts.
MMFGG048	K feldspar		replacement	selective	local	5	k fsp alt of biotite? Pinkish clots selectively replace biotite. Alt is part of larger Irene alteration halo.
MMFGG048	sericite		replacement	selective	local	5	k fsp alt of biotite? Pinkish clots selectively replace biotite. Alt is part of larger Irene alteration halo.
MMFGG048	clay		replacement	selective	local	5	k fsp alt of biotite? Pinkish clots selectively replace biotite. Alt is part of larger Irene alteration halo.
MMFGG048	sericite		replacement	pervasive	envelope	4	Pervasive alteration associated with veining - alteration envelope to Irene vein system. Extends ~ 15 cm on veinlet contacts.
MMFGG048	silica		replacement	pervasive	envelope	4	Pervasive alteration associated with veining - alteration envelope to Irene vein system. Extends ~ 15 cm on veinlet contacts.
MMFGG049	chalcedony		replacement	pervasive	envelope	5	

Station Number	Mineral	Assemblage Generation	Process	Texture	Distribution	Intensity (1-5)	Notes
MMFGG049	clay		replacement	selective	selective	5	Clay alteration of mafics and feldspar. Rotten, clay rich sticky gouge.
MMFGG049	silica		replacement	mottled	envelope	4	Associated with quartz-Mn carbonate veining.
MMFGG049	sericite		replacement	mottled	envelope	4	Associated with quartz-Mn carbonate veining.
MMFGG049	clay		replacement	mottled	envelope	4	Associated with quartz-Mn carbonate veining.
MMFGG049	K feldspar		replacement	mottled	envelope	4	Associated with quartz-Mn carbonate veining.
MMFGG050	sericite		replacement	vein halo	halo	5	Alteration is pervasive and texture/mineeral destructive within granoddiorite. Bleached grey appearance.
MMFGG050	clay		replacement	vein halo	halo	5	Alteration is pervasive and texture/mineeral destructive within granoddiorite. Bleached grey appearance.
MMFGG050	silica		replacement	vein halo	halo	5	Alteration is pervasive and texture/mineeral destructive within granoddiorite. Bleached grey appearance.
MMFGG051	silica	1	replacement	pervasive	local	5	
MMFGG052	silica	1	replacement	pervasive	halo	5	Sericite alteration is selective to feldspar.
MMFGG052	sericite	1	replacement	pervasive	halo	5	Sericite alteration is selective to feldspar.
MMFGG054	clay	2	replacement	pervasive	discordant	5	Gouge post dates veining and mineralization. Obliterates original quartz diorite texture.
MMFGG054	calcite	2	replacement	pervasive	discordant	5	Gouge post dates veining and mineralization. Obliterates original quartz diorite texture.
MMFGG055	clay		replacement	selective	selective	4	Clay development along fractures and selective to feldspar within granodiorite.
MMFGG056	limonite	2	replacement	selective	envelope	3	Alteration enveloping shear zone ~ 25 cm wide.
MMFGG056	chlorite	1	replacement	selective	selective	2	Chlorite selvages - partial replacement of biotite.
MMFGG056	sericite	2	replacement	selective	envelope	3	Alteration enveloping shear zone ~ 25 cm wide.
MMFGG056	silica	2	replacement	selective	envelope	3	Alteration enveloping shear zone ~ 25 cm wide.
MMFGG057	sericite		replacement	pervasive	halo	4	
MMFGG057	silica		replacement	pervasive	halo	4	
MMFGG059	silica		replacement	pervasive	halo	4	Associated with faulting.
MMFGG059	sericite		replacement	pervasive	halo	4	Associated with faulting.
MMFGG060	silica		replacement	pervasive	envelope	2	
MMFGG060	sericite		replacement	pervasive	envelope	2	
MMFGG061	silica		replacement	pervasive	envelope	4	Alteration associated with shear zone.

Station Number	Mineral	Assemblage Generation	Process	Texture	Distribution	Intensity (1-5)	Notes
MMFGG061	sericite		replacement	pervasive	envelope	4	Alteration associated with shear zone.
MMFGG062	K feldspar		replacement	pervasive	halo	5	Alteration yields pronounced bleached appearance to granodiorite. Mafic minerals destroyed.
MMFGG062	silica		replacement	pervasive	halo	5	Alteration yields pronounced bleached appearance to granodiorite. Mafic minerals destroyed.
MMFGG062	sericite		replacement	pervasive	halo	5	Alteration yields pronounced bleached appearance to granodiorite. Mafic minerals destroyed.

Appendix 6.7
Breccia Descriptions

Station Number	Class	Sub Class	Angle	Mininum Framework Clast Size (mm)	Maximum Framework Clast Size (mm)	Average Framework Clast Size (mm)	Mineralized (y/n)	Matrix	Genesis	Notes
MMFGG039	float breccia	crackle	subangular	5	100	20	☑	cement	hydrofracturing	High grade interval containing MMFGR165 and MMFGR180. Located at 3.0 m. Intensely silicified and brecciated granodiorite. Mineralization as veinlets and disseminated through out the matrix. Up to 1 + % SbS and Aspy within the Bx matrix, coarse grained xls to 30 mm.
MMFGG041	float breccia	crackle	subangular	1	50	25	☑	cement	hydrofracturing	Breccia framework clasts are strongly altered granodiorite. Complicated overprinting relationships of brecciation. Matrix is smokey grey-rosy white in color. Rhodochrosite appears to be late in the paragenesis of the breccia.
MMFGG049	float breccia	crackle	angular	2	100	35	☑	mixed	hydrofracturing	Dolomite, pyrite, qfp framework clasts. Vfg Aspy as cemrnt with calcedonic quartz.
MMFGG051	float breccia	crackle	subangular	2	35	10	☑	cement	hydrofracturing	Framework clasts of mineralized vein material containing arsenopyrite. Good evidence for paragenetic relationships. Late low temp silica-pyrite flooding post mineralization.

Appendix VII

Geophysics Field Report and Raw Data

AURORA GEOSCIENCES

NORTHERN GEOLOGICAL & GEOPHYSICAL CONSULTANTS

YELLOWKNIFE - WHITEHORSE – JUNEAU

34A Laberge Rd. Whitehorse, YT, Y1A 5Y9 (p) 867.668.7672

MEMORANDUM

To: Mike McCuaig
TerraLogic Exploration Inc

Date: July 7, 2014

From: Shawn Scott,
Aurora Geosciences Ltd.

Re: Northern Freegold VLF and TMF surveys

This report details the geophysical surveys conducted in the Northern Freegold area from the 23rd to the 28th of June, 2014. A two person crew collected data from a single VLF station as well as the Total Magnetic Field (TMF) at each survey location. Readings were taken every 10m along 33 lines spaced 100m apart and oriented south-west to north-east. In total, over 2900 locations were surveyed, representing approximately 29 line kilometres. A second smaller grid was surveyed on the overlapping placer claim at 25m line spacings, representing another 2 line kilometres of TMF data.

a. Crew and Equipment

The following personnel conducted the survey:

Shawn Scott	Crew Chief
Jeremy Beales	Field Hand

The crew was equipped with the following instruments and equipment

Mag/VLF Survey:	2 – GEM Systems GSM-19 VLF magnetometers s/n, 1024107, 1024108 1 – GEM Systems GSM-19 base station magnetometer s/n 1111125 2 – Handheld non differential GPS
Other:	1 – Laptop computer with Gemlink 5.3, Geosoft Oasis Montaj 1 – Truck 1 – Satellite Phone 2 – Handheld VHF radios 1 – Office supplies 2 – Bear spray and bear bangers

b. Survey Location and Access

The crew stayed at the Bow Creek placer mine camp (08V 385043 UTM E, 6910073 UTM N) as arranged by the client. The grid was located several hundred metres to the east, with access to lines 1 through 15 from the north-west via the placer workings, and access to the other lines via old access roads to past trenching locations from the south-east.

All coordinates in this report are in the WGS84 datum, UTM Zone 8N projection.

c. Line Placement and Nomenclature

There are 33 lines on the main grid, named by the client as L1 to the north, through L33 to the south. These lines were spaced at 100m and ran roughly perpendicular to Guter Gulch at an azimuth of ~42˚ for 860m, roughly centered on the gulch. Lines 17 through 24 were extended as necessary (by 40m to 100m) to find the limit of a magnetic anomaly found near their eastern extent. A short line was added between L31 and L32 to try to clarify extreme TMF readings and is named L3150.

A tie line was surveyed along the full length of the main grid, from L33 station 700 to L1 station 700. The data collected on this line supports the final data and was not added to the database.

There are 27 lines on the detailed TMF survey conducted over the placer claim, spaced at 25m and running for a minimum of 100m at the same azimuth(~42 ˚) as the main grid. To reflect the 25m spacing of these lines they were named L1350 to the north, through L2000 to the south. Data from lines on this grid representing multiples of 100m were taken from data collected on the larger grid (for example, all data on L1700 is copied from L17).

d. Survey Specifications

The TMF and VLF surveys were conducted according to the following specifications:

Station spacing:	10 m
Line spacing:	100 m (25m on the placer claim)
Temporal geomagnetic variation:	The base station magnetometer was installed in a magnetically quiet area (08V 388250 UTM E, 6908777UTM N) and cycled at 3s during the survey. Base station and field magnetometers were synchronized daily to GPS time prior to surveying. Temporal geomagnetic variation to be removed by linear interpolation and subtraction of the base station drift.
Noise threshold:	The survey would have been suspended if geomagnetic variation exceeded 10 nT over 10s on a sustained basis. No data were collected when geomagnetic noise exceeded this specification and therefore no data were removed from the final data set.
VLF-EM station:	NLK (Jim Creek, Wa) – 24.8 KHz

VLF Components: In-phase, quadrature and total field strength.

e. Data Processing

The TMF and VLF data were downloaded at the end of each survey day and the raw, unedited data archived. A copy of the data was then corrected for diurnal variations using GEM Systems software GEMlink5.3. Geosoft's cross database channel lookup was used to append the positioning data collected during the survey with non-differential handheld GPS units.

Profiles of the corrected magnetic data were reviewed on a line by line basis to check for data integrity. Control readings were collected daily at a set location and three tie lines were surveyed perpendicular to the grid, allowing adjustments to be made to compensate for variations between individual operators. Plan images of the total magnetic field were produced using Geosoft's Rangrid (minimum curvature) gridding algorithm with a cell size of 5.

Extreme high and low readings were removed from the TMF data set around station 700 on L31. In an attempt to compensate for, and verify this data, a short line (L3150) was added parallel between lines L31 and L32. This line returned similar results, and seems to reaffirm a very high contrast, very localized feature in this area.

VLF profiles were reviewed on a line by line basis and individual spikes in data limited to single survey stations were removed. Despiked profiles were then passed through a 5 point positive Fraser filter to highlight crossovers in the in-phase portion of the signal and to identify potential conductors. Geosoft's Rangrid gridding algorithm, with a cell size of 5 was used to project this data on a plan view map.

Profile maps of VLF data were made with interpolated GPS waypoints to isolate the VLF data from slight geographic variations along the line. True GPS locations were used for all other grids and maps.

Interference from cultural features such as historical mining debris, active mining and other infrastructure including roads and heavy equipment was noted by operators and removed from the final data set.

f. Products

The following files are included in the digital version of this report:

Folder or file name	**Description of contents**
\RAW	-Raw data recorded by the mag/vlf. -Raw trackpoints collected by the GPS units.
\Final Data	-Processed TMF-VLF data in CSV and Geosoft formats. -*Channels.txt* file describes the data channels.

\Figures	-Fraser filtered plan map in PDF and packed Geosoft map formats. -VLF in-phase% profile maps in PDF and packed Geosoft map formats. -2 plan maps of gridded TMF data (one of the main grid, one of detailed work on the placer grid) in PDF and packed Geosoft map formats.
Northern Freegold 2014 TMF-VLF Survey Log.pdf	-Daily log and personnel tracking sheet in PDF format.
Northern Freegold 2014 TMF-VLF Field Report.pdf	-A copy of this report in PDF format.

Respectfully submitted,

Shawn Scott,

Geophysical Technician
Aurora Geosciences Ltd

AURORA GEOSCIENCES

TLS-14533-YT

Weather Day			
weather day *1/2 weather day*		Shawn Scott	Jeremey Beales
Current Job		7	7
June 2014 Totals		7	7
June	22	mobe	mobe
June	23	mag/vlf	mag/vlf
June	24	mag/vlf	mag/vlf
June	25	mag/vlf	mag/vlf
June	26	mag infills	mag tie line
June	27	mag/vlf	mag/vlf
June	28	mag/vlf/mobe	mag/vlf/mobe

AURORA GEOSCIENCES

AXR-14523-YT

Program	AXR-14523-YT			
GRID/Target/line/Zone	Mag Survey		Mag Survey	
Survey/Hole	Shawn Scott	Line	Jeremy Beales	Line
Current Job	15960.000		19170.000	
#REF!		mobe		mobe
#REF!	1940	23 & 24	4300	29-33
#REF!	2720	19 (x.5) & 20 (x.5), 21, 22	3440	25-28
#REF!	2720	19 (x.5) & 20 (x.5), 17, 18	2950	13 (x.3), 14,15,16
#REF!	3400	placer infills	3300	tie line
#REF!	3460	03,04,05,06	3460	9,10,11,12
#REF!	1720	01,02	1720	7,8

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-22-14

PREPARED BY:

Shawn Scott

Comments

Weather

Mixed sun and cloud with periods of rain

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

Packed and loaded the truck.

Left Whitehorse for Northern Freegold shortly after 8am, arrived safely by 1215pm.

Met with Mike McCuaig from TerraLogic and toured the property.

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-23-14

PREPARED BY:

Shawn Scott

Comments

Weather

Mixed sun and cloud with periods of rain
High winds

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

Started 8am, ended 6pm.
JB started in the high country of the grid and got good production, SS started in the ravines and vegetations and did not.

Levelling lines seemed noisy and had to stop the survey later to verify that high mag spikes were not from malfunction or mag storm.
Shawn did some recon work looking for road access to mid section of grid (none was found, old roads washed out)

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-24-14

PREPARED BY:

Shawn Scott

Comments

Weather

Sunny and high cloud in the morning.
Lots of rain the afternoon/

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

JB got dehydrated and cramped up and had to return to camp a little early at the end of the day. SS took verification readings with the Sabre VLF.

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-25-14

PREPARED BY:

Shawn Scott

Comments

Weather

Mixed sun and cloud.

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

No real incidents.

JB had to skip some stations to avoid potential collapse of undercut hill sides at the edge of placer mine.

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-26-14

PREPARED BY:

Shawn Scott

Comments

Weather

Sunny and warm. Buggy.

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

VLF transmitter down for maintenance.

SS tried to follow flags and waypoints of GPR survey over placer mine but GPS signal was poor and flagging overlapped. A new grid was drawn up at 25m line spacings over the entire area giving good coverage.

JB did some mag infills on a noisy area on Line 32 and a tieline across the whole grid from L33 Stn 700 to L1 Stn 700.

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-27-14

PREPARED BY:

Shawn Scott

Comments

Weather

Hot and sunny. Very little wind, very many bugs.

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

Planned to do 8 lines no matter how long it took, it ended up being relatively easy compared to the rest of the grid.
JB ran out of water and needed to head back to camp, but had already achieved the goal for the day.

AURORA GEOSCIENCES

TLS-14533-YT

DATE:	June-28-14

PREPARED BY:

Shawn Scott

Comments

Weather

Sunny with some cloud.

LOGISTICS

Type	*Contractor*	*Hrs or units*
Truck	Aurora	1
Other		
Other		
Other		
Other		
Other		
Other		

Notes (production comments, incidents, other)

Everything went well in the morning, finishing the grid by the early afternoon. Several hours spent completing field maps before heading out at 5pm.

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L01350N	57951.18		57961.0034						01350N		99	56801.59		0	153428	386593.4967	6910380.853	
L01350N	57838.49		57848.3134						01350N		99	56688.95		10	153460	386597.5132	6910386.213	
L01350N	57739.51		57749.3334						01350N		99	56589.95		20	153527	386607.455	6910392.187	
L01350N	57743.24		57753.0634						01350N		99	56593.76		30	153613	386611.314	6910402.22	
L01350N	57514.73		57524.5534						01350N		99	56365.22		40	153654	386618.646	6910409.325	
L01350N	57743.88		57753.7034						01350N		99	56594.41		50	153744	386628.8733	6910413.534	
L01350N	57737.34		57747.1634						01350N		99	56587.89		60	153842	386630.1583	6910425.505	
L01350N	57802.58		57812.4034						01350N		99	56653.21		70	153927	386641.0543	6910428.817	
L01350N	57972.71		57982.5334						01350N		99	56823.4		80	154019	386646.09	6910436.862	
L01350N	57997.27		58007.0934						01350N		99	56847.87		90	154045	386654.1447	6910446.097	
L01350N	58073.45		58083.2734						01350N		99	56924.1		100	154118	386659.4367	6910451.732	
L01375N	57822.85		57832.6734						01375N		99	56673.32		0	153146	386610.944	6910362.762	
L01375N	57955.23		57965.0534						01375N		99	56805.71		10	153124	386619.01	6910363.82	
L01375N	57923.46		57933.2834						01375N		99	56773.95		20	153014	386624.026	6910378.975	
L01375N	57560.19		57570.0134						01375N		99	56410.69		40	152657	386638.2188	6910392.128	
L01375N	57662.15		57671.9734						01375N		99	56512.62		50	152530	386647.5303	6910400.367	
L01375N	57754.82		57764.6434						01375N		99	56605.26		60	152438	386650.7787	6910408.044	
L01375N	57918		57927.8234						01375N		99	56768.4		70	152404	386659.13	6910414.303	
L01375N	58087.03		58096.8534						01375N		99	56937.46		80	152323	386671.046	6910419.772	
L01375N	58185.99		58195.8134						01375N		99	57036.34		90	152236	386670.99	6910427.64	
L01375N	58179.84		58189.6634						01375N		99	57030.17		100	151730	386680.9877	6910439.786	
L01425N	58212.84		58222.6634						01425N		99	57062.92		0	150512	386649.9747	6910330.906	
L01425N	58308.57		58318.3934						01425N		99	57158.72		10	150536	386654.0677	6910335.495	
L01425N	58025.92		58035.7434						01425N		99	56876.08		20	150558	386661.9454	6910343.427	
L01425N	57913.14		57922.9634						01425N		99	56763.36		30	150622	386668.392	6910353.626	
L01425N	57688.34		57698.1634						01425N		99	56538.61		40	150647	386673.43	6910359.365	
L01425N	57899.02		57908.8434						01425N		99	56749.63		50	150859	386679.9487	6910367.94	
L01425N	57665.73		57675.5534						01425N		99	56516.41		60	150930	386690.928	6910372.015	
L01425N	57156.96		57166.7834						01425N		99	56007.44		80	151107	386705.44	6910384.48	
L01425N	57913.46		57923.2834						01425N		99	56763.86		90	151303	386712.6707	6910395.305	
L01425N	57997.17		58006.9934						01425N		99	56847.53		100	151405	386714.395	6910402.077	
L01425N	57999.94		58009.7634						01425N		99	56850.28		100	151420	386716.922	6910401.65	
L01425N	57998.57		58008.3934						01425N		99	56848.93		100	151415	386716.19	6910402.095	
L01450N	58128.92		58138.7434						01450N		99	56978.62		0	150256	386664.651	6910309.775	
L01450N	57923.79		57933.6134						01450N		99	56773.48		10	150145	386674.1747	6910318.685	
L01450N	58088.73		58098.5534						01450N		99	56938.51		20	150035	386681.528	6910327.922	
L01450N	58082.76		58092.5834						01450N		99	56932.54		30	150014	386688.9543	6910334.065	
L01450N	58147.99		58157.8134						01450N		99	56997.72		40	145943	386695.544	6910338.976	
L01450N	57762.26		57772.0834						01450N		99	56611.82		50	145900	386698.109	6910351.055	
L01450N	57530.21		57540.0334						01450N		99	56379.77		60	145840	386706.4367	6910354.955	
L01450N	57646.32		57656.1434						01450N		99	56495.91		70	145824	386713.7013	6910364.342	
L01450N	57834.47		57844.2934						01450N		99	56683.98		80	145757	386719.0868	6910372.059	
L01450N	57985.55		57995.3734						01450N		99	56834.92		90	145657	386729.7309	6910381.839	
L01450N	58005.94		58015.7634						01450N		99	56855.19		100	145625	386734.7547	6910387.413	
L01475N	57937.7		57947.5234						01475N		99	56786.44		0	144723	386683.675	6910294.08	
L01475N	58020.79		58030.6134						01475N		99	56869.39		10	144817	386691.1087	6910303.656	
L01475N	58042.16		58051.9834						01475N		99	56890.89		20	144849	386697.6347	6910308.454	
L01475N	58051.85		58061.6734						01475N		99	56900.48		30	144910	386702.394	6910322.318	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L01475N	57951.72		57961.5434						01475N		99	56800.42		40	144933	386711.1993	6910325.405	
L01475N	57699.08		57708.9034						01475N		99	56547.86		50	144950	386720.27	6910332.53	
L01475N	57821.05		57830.8734						01475N		99	56669.62		60	145105	386724.8713	6910341.142	
L01475N	57906.52		57916.3434						01475N		99	56755.19		70	145138	386731.524	6910349.754	
L01475N	57969.59		57979.4134						01475N		99	56818.21		80	145158	386739.8684	6910352.713	
L01475N	57932.92		57942.7434						01475N		99	56781.64		90	145316	386743.926	6910359.195	
L01475N	57961.51		57971.3334						01475N		99	56810.49		100	145415	386750.332	6910371.225	
L01525N	58293.15		58291.9284						01525N		99	57143.56		0	153222	386720.885	6910257.649	
L01525N	57989.47		57988.2484						01525N		99	56839.89		10	153056	386729.606	6910269.668	
L01525N	57807.49		57806.2684						01525N		99	56658.04		20	152957	386736.32	6910276.542	
L01525N	57588.46		57587.2384						01525N		99	56439.01		30	152937	386742.5333	6910286.34	
L01525N	57633.31		57632.0884						01525N		99	56483.86		40	152913	386750.2117	6910291.486	
L01525N	57838.08		57836.8584						01525N		99	56688.6		50	152707	386753.4467	6910303.095	
L01525N	57899.46		57898.2384						01525N		99	56749.93		60	152624	386760.4627	6910306.583	
L01525N	57745.55		57744.3284						01525N		99	56596.03		70	152555	386767.938	6910313.969	
L01525N	57800.59		57799.3684						01525N		99	56651.05		80	152532	386773.155	6910320.978	
L01525N	57877.27		57876.0484						01525N		93	56727.73		90	152440	386776.42	6910335.09	
L01525N	57872.73		57871.5084						01525N		99	56723.15		100	152410	386789.234	6910335.493	
L01550N	58024.99		58023.7684						01550N		99	56875.39		0	153405	386742.4053	6910244.165	
L01550N	57785.39		57784.1684						01550N		99	56635.92		10	153544	386749.616	6910256.92	
L01550N	57395.78		57394.5584						01550N		99	56246.28		20	153612	386755.89	6910268.267	
L01550N	57770.98		57769.7584						01550N		99	56621.5		30	153630	386763.614	6910275.614	
L01550N	57883.09		57881.8684						01550N		99	56733.45		40	151535	386777.8453	6910286.47	
L01550N	57815.88		57814.6584						01550N		99	56666.2		50	151604	386781.5047	6910292.229	
L01550N	57733.53		57732.3084						01550N		99	56583.9		60	151645	386789.19	6910301.466	
L01550N	57962.8		57961.5784						01550N		99	56813.14		70	151731	386799.226	6910307.572	
L01550N	57949.72		57948.4984						01550N		99	56800.1		80	151810	386806.372	6910314.901	
L01550N	57898.41		57897.1884						01550N		99	56748.68		90	151831	386811.7467	6910322.999	
L01550N	57924.35		57923.1284						01550N		99	56774.66		100	151859	386817.409	6910329.597	
L01575N	57817.9		57816.6784						01575N		99	56668.6		0	154213	386762.198	6910232.649	
L01575N	57708.16		57706.9384						01575N		99	56558.78		10	154111	386758.5793	6910237.623	
L01575N	57878.47		57877.2484						01575N		99	56729.12		20	154037	386764.787	6910243.247	
L01575N	57466.31		57465.0884						01575N		99	56317.01		30	154018	386774.823	6910251.24	
L01575N	57650.86		57649.6384						01575N		99	56501.59		40	154001	386783.296	6910260.242	
L01575N	57843.37		57842.1484						01575N		99	56693.7		50	151317	386788.689	6910258.409	
L01575N	57951.39		57950.1684						01575N		99	56801.76		60	151254	386792.72	6910264.128	
L01575N	58049.05		58047.8284						01575N		99	56899.47		70	151214	386799.396	6910271.628	
L01575N	58466.56		58465.3384						01575N		99	57316.99		80	151145	386805.806	6910278.804	
L01575N	58302.65		58301.4284						01575N		99	57153.15		90	151114	386810.5617	6910290.817	
L01575N	58434.36		58433.1384						01575N		99	57284.89		100	151036	386818.246	6910295.943	
L01575N	58224.32		58223.0984						01575N		99	57074.89		110	151012	386826.3537	6910300.134	
L01625N	58156.2		58154.9784						01625N		99	57005.85		0	145937	386786.1787	6910181.289	
L01625N	58131.53		58130.3084						01625N		99	56981.29		10	145958	386789.51	6910186.12	
L01625N	57892.71		57891.4884						01625N		99	56742.47		20	150033	386796.923	6910194.675	
L01625N	57668.43		57667.2084						01625N		99	56518.12		30	150058	386801.72	6910203.03	
L01625N	57575		57573.7784						01625N		99	56424.76		40	150133	386812.72	6910210.095	
L01625N	57663.32		57662.0984						01625N		99	56513.01		50	150150	386819.784	6910221.255	
L01625N	57861.82		57860.5984						01625N		99	56711.51		60	150204	386825.29	6910225.52	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L01625N	57879		57877.7784						01625N		99	56728.7		70	150221	386831.3733	6910230.823	
L01625N	58061.05		58059.8284						01625N		99	56910.8		80	150312	386835.478	6910237.156	
L01625N	57930.17		57928.9484						01625N		99	56779.9		90	150422	386844.06	6910244.258	
L01625N	58193.41		58192.1884						01625N		99	57043.5		100	150517	386850.648	6910255.412	
L01625N	58436.33		58435.1084						01625N		99	57286.61		110	150642	386860.79	6910257.415	
L01625N	58467.99		58466.7684						01625N		99	57318.38		120	150742	386865.3113	6910268.607	
L01650N	57969.05		57967.8284						01650N		99	56818.4		0	145711	386807.678	6910171.249	
L01650N	57852.81		57851.5884						01650N		99	56702.08		10	145643	386812.732	6910176.345	
L01650N	57990.77		57989.5484						01650N		99	56839.99		20	145523	386817.502	6910181.572	
L01650N	57910.97		57909.7484						01650N		99	56759.99		30	145447	386822.802	6910183.942	
L01650N	57770.97		57769.7484						01650N		99	56619.82		40	145352	386831.904	6910191.147	
L01650N	57692.94		57691.7184						01650N		99	56541.62		50	145259	386835.0725	6910198.542	
L01650N	57712.72		57711.4984						01650N		99	56561.39		60	145231	386840.6107	6910207.147	
L01650N	58047.25		58046.0284						01650N		99	56895.85		70	145212	386849.484	6910215.08	
L01650N	58225.57		58224.3484						01650N		99	57074.17		80	145055	386858.34	6910221.112	
L01650N	58198.83		58197.6084						01650N		99	57047.54		90	145024	386865.73	6910228.932	
L01650N	58418.39		58417.1684						01650N		99	57267.17		100	145002	386868.9233	6910235.707	
L01650N	58554.5		58553.2784						01650N		99	57403.25		110	144947	386872.2667	6910243.131	
L01650N	58491.74		58490.5184						01650N		99	57340.41		120	144923	386883.063	6910251.061	
L01650N	58484.97		58483.7484						01650N		99	57333.65		130	144839	386889.6	6910257.6	
L01675N	58297.72		58296.4984						01675N		99	57146.57		0	141110	386810.7407	6910130.25	
L01675N	58136.75		58135.5284						01675N		99	56985.6		10	141143	386816.6107	6910139.047	
L01675N	57968.86		57967.6384						01675N		99	56817.79		20	141217	386824.013	6910147.293	
L01675N	58031.9		58030.6784						01675N		99	56880.85		30	141240	386830.962	6910154.339	
L01675N	57961.49		57960.2684						01675N		99	56810.51		40	141260	386834.7838	6910160.684	
L01675N	57896.54		57895.3184						01675N		99	56745.77		50	141410	386842.51	6910166.48	
L01675N	57611.93		57610.7084						01675N		99	56461.04		60	141429	386847.064	6910172.354	
L01675N	57437.59		57436.3684						01675N		99	56286.87		70	141460	386855.1296	6910177.804	
L01675N	57647.84		57646.6184						01675N		99	56497.16		80	141541	386860.002	6910191.783	
L01675N	57914.32		57913.0984						01675N		99	56763.73		90	141560	386869.4209	6910198.562	
L01675N	58158.58		58157.3584						01675N		99	57007.98		100	141621	386875.93	6910204.425	
L01675N	58208.22		58206.9984						01675N		99	57057.08		110	144056	386883.226	6910211.84	
L01675N	58553.26		58552.0384						01675N		99	57401.84		120	144251	386887.287	6910215.914	
L01675N	58538.07		58536.8484						01675N		99	57386.77		130	144503	386890.215	6910226.47	
L01675N	58687.34		58686.1184						01675N		99	57536.04		140	144542	386903.1397	6910235.847	
L01725N	58123.23		58122.0084						01725N		99	56971.67		0	140420	386853.893	6910102.652	
L01725N	58224.67		58223.4484						01725N		99	57073.07		10	140355	386859.849	6910109.255	
L01725N	58195.02		58193.7984						01725N		99	57043.32		20	140323	386866.122	6910115.568	
L01725N	58129.35		58128.1284						01725N		99	56977.74		30	140302	386870.553	6910121.034	
L01725N	58113.05		58111.8284						01725N		99	56961.23		40	140229	386879.512	6910132.67	
L01725N	58089.36		58088.1384						01725N		99	56937.57		50	140202	386885.572	6910142.784	
L01725N	57801.7		57800.4784						01725N		99	56649.73		60	140113	386890.5813	6910152.829	
L01725N	57724.86		57723.6384						01725N		99	56572.71		70	140028	386898.5927	6910157.89	
L01725N	58273.72		58272.4984						01725N		99	57121.5		80	135950	386905.242	6910165.024	
L01725N	58558.15		58556.9284						01725N		99	57405.74		90	135856	386915.157	6910173.094	
L01725N	58876.24		58875.0184						01725N		99	57723.73		100	135807	386920.8487	6910182.25	
L01725N	58876.44		58875.2184						01725N		99	57723.95		110	135802	386920.84	6910182.258	
L01750N	58442.29		58441.0684						01750N		99	57288.91		0	135016	386876.761	6910091.76	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L01750N	58437.34		58436.1184						01750N		99	57284.06		10	135047	386884.89	6910097.443	
L01750N	58285.38		58284.1584						01750N		99	57132.21		20	135106	386892.4547	6910104.288	
L01750N	58222.36		58221.1384						01750N		99	57069.22		30	135126	386898.0967	6910113.505	
L01750N	58227.46		58226.2384						01750N		99	57074.4		40	135150	386902.88	6910124.853	
L01750N	58144.62		58143.3984						01750N		99	56991.65		50	135226	386908.5017	6910130.482	
L01750N	57890.22		57888.9984						01750N		99	56737.23		60	135301	386915.24	6910135.92	
L01750N	57847.59		57846.3684						01750N		99	56694.63		70	135328	386924.4713	6910140.177	
L01750N	58060.3		58059.0784						01750N		99	56907.45		80	135402	386928.56	6910151.31	
L01750N	58388.1		58386.8784						01750N		99	57235.24		90	135441	386936.65	6910156.457	
L01750N	58475.21		58473.9884						01750N		99	57322.48		100	135532	386944.362	6910163.858	
L01775N	58114.66		58113.4384						01775N		99	56960.63		0	134709	386896.1607	6910074.696	
L01775N	58047.95		58046.7284						01775N		99	56893.82		10	134639	386901.5667	6910082.993	
L01775N	58084.58		58083.3584						01775N		99	56930.29		20	134552	386909.139	6910090.756	
L01775N	58108.67		58107.4484						01775N		99	56954.25		30	134516	386913.826	6910101.427	
L01775N	58001.01		57999.7884						01775N		99	56846.55		40	134434	386920.784	6910108.028	
L01775N	57911.02		57909.7984						01775N		99	56756.44		50	134344	386924.9133	6910117.618	
L01775N	57890.71		57889.4884						01775N		99	56736.15		60	134317	386932.2043	6910122.895	
L01775N	58007.43		58006.2084						01775N		99	56852.85		70	134252	386941.1373	6910129.865	
L01775N	58572.92		58571.6984						01775N		99	57418.26		80	134227	386945.722	6910137.821	
L01775N	58710.89		58709.6684						01775N		99	57556.2		90	134135	386951.413	6910145.74	
L01775N	58751.1		58749.8784						01775N		99	57596.33		100	134057	386959.643	6910153.873	
L01825N	58300.83		58299.6084						01825N		99	57144.11		0	132923	386944.6047	6910054.44	
L01825N	58186.92		58185.6984						01825N		99	57030.2		10	132943	386951.232	6910060.833	
L01825N	58045.64		58044.4184						01825N		99	56889.01		20	133011	386955.698	6910069.905	
L01825N	57910.98		57909.7584						01825N		99	56754.49		30	133059	386960.5067	6910074.569	
L01825N	58104.68		58103.4584						01825N		99	56948.28		40	133143	386968.595	6910082.893	
L01825N	57951.41		57950.1884						01825N		99	56795.04		50	133214	386975	6910091.36	
L01825N	57864.3		57863.0784						01825N		99	56708.01		60	133242	386981.69	6910101.534	
L01825N	57903.19		57901.9684						01825N		99	56746.99		70	133304	386988.5713	6910109.727	
L01825N	58028.38		58027.1584						01825N		95	56872.27		80	133329	386994.4467	6910116.384	
L01825N	58109.3		58108.0784						01825N		99	56953.28		90	133409	387001.906	6910124.166	
L01825N	58036.6		58035.3784						01825N		99	56880.62		100	133439	387008.795	6910130.372	
L01850N	58102		58100.7784						01850N		99	56944.86		0	132226	386969.7183	6910048.997	
L01850N	58129.29		58128.0684						01850N		99	56972.41		10	132423	386949.8617	6910064.978	
L01850N	58018.34		58017.1184						01850N		99	56860.92		20	132012	386983.348	6910060.818	
L01850N	57922.09		57920.8684						01850N		99	56764.64		30	131949	386988.7987	6910070.283	
L01850N	57847.41		57846.1884						01850N		99	56689.86		40	131917	386998.4527	6910075.15	
L01850N	57769.74		57768.5184						01850N		99	56612.17		50	131843	387004.71	6910079.951	
L01850N	57763.19		57761.9684						01850N		99	56605.66		60	131826	387010.164	6910087.798	
L01850N	58083.58		58082.3584						01850N		99	56925.94		70	131811	387017.7767	6910096.945	
L01850N	58273.68		58272.4584						01850N		99	57115.97		80	131747	387023.8107	6910104.453	
L01850N	58279.22		58277.9984						01850N		99	57121.48		90	131709	387028.986	6910109.955	
L01850N	58264.3		58263.0784						01850N		99	57105.94		100	131121	387032.01	6910118.984	
L01875N	58332.44		58331.2184						01875N		99	57174.99		0	130036	386988.3393	6910027.453	
L01875N	58217.19		58215.9684						01875N		99	57059.68		10	130110	386991.0203	6910033.996	
L01875N	57801.6		57800.3784						01875N		99	56643.98		20	130158	386996.2505	6910042.2	
L01875N	57611.71		57610.4884						01875N		99	56454		30	130309	387005.2073	6910050.269	
L01875N	57809.03		57807.8084						01875N		99	56651.25		40	130343	387010.2113	6910056.772	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L01875N	57895.85		57894.6284						01875N		99	56737.94		50	130539	387018.4187	6910065.019	
L01875N	57874.64		57873.4184						01875N		99	56716.72		60	130604	387025.102	6910071.129	
L01875N	57807.62		57806.3984						01875N		99	56649.61		70	130648	387031.0917	6910079.847	
L01875N	58077.82		58076.5984						01875N		99	56919.69		80	130757	387038.375	6910084.67	
L01875N	58463.08		58461.8584						01875N		99	57304.84		90	130835	387044.903	6910094.269	
L01875N	58571.81		58570.5884						01875N		99	57413.54		100	130916	387048.7987	6910102.22	
L01925N	58413.95		58412.7284						01925N		99	57256.31		0	125759	387019.8595	6909996.671	
L01925N	58259.51		58258.2884						01925N		99	57101.85		10	125703	387027.62	6910001.612	
L01925N	58122.37		58121.1484						01925N		99	56964.69		20	125527	387037.132	6910008.494	
L01925N	57950.58		57949.3584						01925N		99	56793.12		30	125343	387041.4923	6910016.485	
L01925N	58021.44		58020.2184						01925N		99	56863.97		40	125256	387050.5627	6910027.305	
L01925N	58203.08		58201.8584						01925N		99	57045.67		50	125220	387056.4927	6910030.991	
L01925N	58110		58108.7784						01925N		99	56952.71		60	125155	387063.8817	6910035.922	
L01925N	57861.59		57860.3684						01925N		99	56704.35		70	125130	387070.2833	6910046.968	
L01925N	57883.56		57882.3384						01925N		99	56726.31		80	125055	387075.9427	6910050.264	
L01925N	57986.63		57985.4084						01925N		99	56829.42		90	125037	387084.412	6910059.686	
L01925N	58601.99		58600.7684						01925N		99	57444.83		100	124941	387091.68	6910070.629	
L01950N	58186.86		58185.6384						01950N		99	57029.93		0	124122	387042.468	6909977.646	
L01950N	58136.56		58135.3384						01950N		99	56979.59		10	124142	387048.16	6909981.167	
L01950N	58033.8		58032.5784						01950N		99	56876.83		20	124218	387052.3133	6909991.41	
L01950N	58146.64		58145.4184						01950N		99	56989.72		30	124239	387058.89	6909998.183	
L01950N	58149.93		58148.7084						01950N		99	56993.07		40	124304	387065.032	6910007.132	
L01950N	58231.69		58230.4684						01950N		99	57074.82		50	124429	387070.2673	6910011.59	
L01950N	58229.01		58227.7884						01950N		99	57072.11		60	124508	387080.406	6910019.105	
L01950N	58030.63		58029.4084						01950N		99	56873.67		70	124601	387086.98	6910024.8	
L01950N	57906.7		57905.4784						01950N		99	56749.7		80	124638	387094.3533	6910035.493	
L01950N	57914.38		57913.1584						01950N		99	56757.38		90	124711	387099.946	6910041.23	
L01950N	57970.56		57969.3384						01950N		99	56813.55		100	124746	387107.945	6910050.976	
L01975N	58218.38		58217.1584						01975N		99	57061.28		0	122524	387061.5893	6909957.585	
L01975N	58127.71		58126.4884						01975N		99	56970.5		10	122435	387066.35	6909965.673	
L01975N	58188.7		58187.4784						01975N		99	57031.44		20	122346	387076.18	6909974.98	
L01975N	57970.85		57969.6284						01975N		99	56813.52		30	122234	387082.931	6909979.295	
L01975N	58055.32		58054.0984						01975N		99	56897.91		40	122124	387087.618	6909989.27	
L01975N	58112.54		58111.3184						01975N		99	56955.16		50	122104	387091.249	6909994.657	
L01975N	58144.45		58143.2284						01975N		99	56987.06		60	122044	387095.502	6910001.405	
L01975N	57943.73		57942.5084						01975N		99	56786.31		70	122019	387105.532	6910010.992	
L01975N	58030.73		58029.5084						01975N		99	56873.28		80	121949	387113.79	6910021.771	
L01975N	58002.08		58000.8584						01975N		99	56844.6		90	121923	387118.6867	6910028.043	
L01975N	57998.32		57997.0984						01975N		99	56840.84		100	121854	387125.456	6910033.327	
L1	57916.7	8.7	57925.335	50	-106	385362.94	6910843.26	8.7	00001N	-1.2	99	56748.27	3.63	10	121414	385362.936	6910843.262	
L1	57940.52	8.7	57949.155	31	-112	385370.352	6910852.33	8.7	00001N	-3.5	99	56771.95	3.59	20	121354	385368.1373	6910854.108	
L1	57935.27	7.6	57943.905	23	-112	385376.242	6910859.54	7.6	00001N	-3.8	99	56766.66	3.54	30	121331	385375.2293	6910860.513	
L1	57852.42	8.9	57861.055	27	-113	385382.036	6910866.63	8.9	00001N	-0.9	99	56683.81	3.58	40	121312	385382.058	6910866.978	
L1	57948.5	10.6	57957.135	18	-107	385388.358	6910874.36	10.6	00001N	-3.1	99	56779.93	3.35	50	121253	385388.1123	6910875.26	
L1	57945.6	10.8	57954.235	29	-109	385394.231	6910881.55	10.8	00001N	1.4	99	56776.99	3.48	60	121232	385394.87	6910881.98	
L1	57944.3	8.4	57952.935	18	-103	385400.878	6910889.68	8.4	00001N	-1.6	99	56775.6	3.21	70	121210	385403.25	6910888.772	
L1	57965.8	5.1	57974.435	9	-75	385407.435	6910897.71	5.1	00001N	-6.6	99	56797.11	2.33	80	121144	385410.9233	6910896.143	
L1	57962.36		57970.995	13	82	385413.36	6910904.96	-4.9	00001N	-4.5	99	56793.58	2.58	90	121122	385414.9877	6910904.856	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L1	57955.02	3.2	57963.655	22	-103	385420.35	6910913.51	3.2	00001N	-2	99	56786.24	3.25	100	121059	385421.1674	6910914.367	
L1	57945.23	1.3	57953.865	31	-107	385426.465	6910920.99	1.3	00001N	-2.2	99	56776.46	3.43	110	121038	385427.378	6910922.106	
L1	57941.39	-1.8	57950.025	51	-104	385431.784	6910927.5	-1.8	00001N	-3.2	99	56772.59	3.58	120	121019	385431.806	6910929.515	
L1	57939.55	-1.7	57948.185	31	-102	385437.28	6910934.23	-1.7	00001N	-3.7	99	56770.72	3.31	130	121000	385438.354	6910935.572	
L1	57954.87	-3	57963.505	32	-127	385443.526	6910941.87	-3	00001N	-4.5	99	56786.12	2.03	140	120943	385444.9737	6910943.245	
L1	57940.85	-4.3	57949.485	9	-33	385449.113	6910948.71	-4.3	00001N	-4.6	99	56772	1.06	150	120925	385451.9833	6910948.996	
L1	57964.09	-2.3	57972.725	11	-74	385456.58	6910957.84	-2.3	00001N	2.1	99	56795.23	2.32	160	120903	385457.7753	6910959.64	
L1	57979.98	-2.1	57988.615	36	-115	385463.257	6910966.01	-2.1	00001N	-0.3	99	56811.13	3.72	170	120843	385466.1597	6910966.501	
L1	57986.86	-3.2	57995.495	20	-114	385469.052	6910973.11	-3.2	00001N	-1.5	99	56818.07	3.56	180	120821	385473.043	6910972.909	
L1	57995.66	-3.4	58004.295	29	-115	385475.911	6910981.5	-3.4	00001N	-2.4	99	56826.85	3.66	190	120802	385479.568	6910981.926	
L1	57973.68	-2.9	57982.315	24	-116	385481.469	6910988.3	-2.9	00001N	-2.5	99	56804.91	3.67	200	120747	385485.015	6910989.115	
L1	57922.47	-1.9	57931.105	38	-121	385488.42	6910996.81	-1.9	00001N	-3.1	99	56753.71	3.9	210	120725	385493.003	6910997.079	
L1	57920.27	0	57928.905	61	-119	385493.522	6911003.05	0	00001N	-2.9	99	56751.51	4.13	220	120708	385499.4	6911002.334	
L1	57900.02	7.7	57908.655	62	-118	385499.987	6911010.96	7.7	00001N	1.1	99	56731.23	4.1	230	120646	385505.0727	6911011.16	
L1	57964.01	9.8	57972.645	30	-119	385506.92	6911019.44	9.8	00001N	1.9	99	56795.16	3.8	240	120626	385508.828	6911021.764	
L1	57961.94	13.2	57970.575	31	-120	385513.412	6911027.39	13.2	00001N	3.3	99	56793.13	3.82	250	120603	385513.967	6911030.961	
L1	57947.46	17	57956.095	57	-110	385520.722	6911036.33	17	00001N	8.4	99	56778.58	3.83	260	120538	385520.31	6911040.985	
L1	57980.3	17.3	57988.935	56	-102	385528.205	6911045.49	17.3	00001N	8.9	99	56811.47	3.59	270	120452	385530.7617	6911047.167	
L1	57967.68	13.9	57976.315	24	-109	385533.329	6911051.76	13.9	00001N	6	99	56798.78	3.44	280	120422	385536.51	6911053.175	
L1	57969.27	10.6	57977.905	30	-65	385538.784	6911058.43	10.6	00001N	2.2	99	56800.43	2.23	290	120350	385541.9117	6911060.188	
L1	57943.6	2.3	57952.235	50	-21	385546.868	6911068.33	2.3	00001N	0.1	99	56774.33	1.7	300	115420	385547.8833	6911071.867	
L1	57911.54	-1.6	57920.175	123	-127	385552.425	6911075.13	-1.6	00001N	-0.7	99	56742.16	2.73	310	115336	385552.4387	6911079.65	
L1	57987.68	-3	57996.315	7	-27	385557.64	6911081.51	-3	00001N	7.7	99	56818.3	0.88	320	115259	385559.644	6911084.088	
L1	57967.78	-0.6	57976.415	37	-106	385565.132	6911090.68	-0.6	00001N	2.5	99	56798.3	3.47	330	115220	385567.176	6911093.632	
L1	57985.17	1.3	57993.805	11	82	385571.907	6911098.97	1.3	00001N	-4.8	99	56815.44	2.54	340	115128	385577.304	6911097.908	
L1	57986.08	-1	57994.715	48	-106	385577.859	6911106.25	-1	00001N	4.1	99	56816.25	3.58	350	115101	385581.0567	6911106.807	
L1	57979.12	-4.1	57987.755	29	-109	385583.75	6911113.46	-4.1	00001N	3.6	99	56809.38	3.48	360	115030	385586.9283	6911114.352	
L1	57990.35	-1.4	57998.985	77	-96	385590.499	6911121.72	-1.4	00001N	3.8	99	56820.53	3.81	370	115001	385596.166	6911120.234	
L1	57962.89	-2.3	57971.525	53	-107	385598.278	6911131.24	-2.3	00001N	4.8	99	56793.11	3.68	380	114928	385605.782	6911128.412	
L1	58014.4	-3.1	58023.035	15	-107	385604.159	6911138.43	-3.1	00001N	4	99	56844.54	3.33	390	114842	385614.46	6911132.382	
L1	57965.11	5.3	57973.745	42	111	385609.423	6911144.87	5.3	00001N	-1.6	99	56795.21	3.67	400	114814	385620.162	6911138.743	
L1	57980.76	0.8	57989.395	14	-102	385616.372	6911153.38	0.8	00001N	1.3	99	56810.81	3.17	410	114746	385625.7523	6911148.536	
L1	57962.35	4	57970.985	20	-117	385622.222	6911160.53	4	00001N	4.8	99	56792.47	3.66	420	114717	385629.0617	6911157.433	
L1	58001.61	-3.2	58010.245	19	102	385627.984	6911167.59	-3.2	00001N	-11.3	99	56831.59	3.19	430	114649	385636.542	6911163.045	
L1	58022.06	5.3	58030.695	25	-74	385635.435	6911176.7	5.3	00001N	-0.1	99	56852.14	2.42	440	114615	385647.505	6911168.143	
L1	58035.11	-3.9	58043.745	13	93	385642.218	6911185	-3.9	00001N	-7.7	99	56865.27	2.9	450	114546	385652.2453	6911178.077	
L1	58034.49	-2.1	58043.125	27	109	385650.109	6911194.66	-2.1	00001N	-0.9	99	56864.63	3.48	460	114455	385653.0323	6911190.858	
L1	57985.75	-3.1	57994.385	32	114	385656.518	6911202.5	-3.1	00001N	-2.1	99	56815.89	3.66	470	114431	385655.516	6911200.956	
L1	58025.52	6.2	58034.155	18	-90	385664.279	6911212	6.2	00001N	-0.4	99	56855.64	2.85	480	114352	385658.448	6911213.205	
L1	58028.85	11.5	58037.485	55	-111	385669.779	6911218.73	11.5	00001N	7	99	56858.9	3.83	490	114311	385664.853	6911219.421	
L1	58015.81	10.8	58024.445	38	-110	385678.486	6911229.38	10.8	00001N	7.5	99	56845.91	3.58	500	114232	385675.9407	6911228.177	
L1	58027.44	7.5	58036.075	82	-89	385682.875	6911234.75	7.5	00001N	7.7	99	56857.45	3.72	510	114201	385682.9637	6911229.363	
L1	58011.59	-1.5	58020.225	24	96	385687.513	6911240.43	-1.5	00001N	-9.6	99	56841.72	3.06	520	114129	385688.8127	6911234.099	
L1	58091.72	1.8	58100.355	35	-105	385694.665	6911249.18	1.8	00001N	4.6	99	56921.81	3.43	530	114043	385695.9567	6911243.247	
L1	58087.98	-2.2	58096.615	16	-103	385700.919	6911256.83	-2.2	00001N	2.5	99	56917.98	3.21	540	114025	385701.8383	6911251.517	
L1	58063.64	-5.7	58072.275	32	-111	385707.77	6911265.22	-5.7	00001N	3.7	99	56893.68	3.57	550	114007	385707.65	6911260.994	
L1	58037.57	-5.8	58046.205	20	-113	385714.391	6911273.32	-5.8	00001N	4	99	56867.57	3.53	560	113948	385716.7973	6911266.629	
L1	58089	-3.5	58097.635	49	-121	385720.797	6911281.16	-3.5	00001N	6.3	99	56918.99	4.02	570	113925	385722.104	6911275.567	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L1	58087.67	2.3	58096.305	17	-114	385726.805	6911288.51	2.3	00001N	6.2	99	56917.65	3.55	580	113900	385725.168	6911284.823	
L1	58098.3	3.9	58106.935	17	-114	385733.564	6911296.78	3.9	00001N	8.8	99	56928.27	3.54	590	113835	385732.28	6911293.172	
L1	58122.81	6.5	58131.445	31	-115	385740.024	6911304.68	6.5	00001N	9.1	99	56952.85	3.69	600	113810	385738.448	6911301.649	
L1	58122.73	8.9	58131.365	20	-118	385745.608	6911311.52	8.9	00001N	7.3	99	56952.82	3.7	610	113750	385744.573	6911308.328	
L1	58121.28	6.4	58129.915	77	-99	385753.343	6911320.98	6.4	00001N	6.8	99	56951.36	3.88	620	113719	385753.3977	6911317.253	
L1	58124.35	4.6	58132.985	57	-109	385758.618	6911327.44	4.6	00001N	5.5	99	56954.49	3.81	630	113651	385759.545	6911323.21	
L1	58058.41	2.4	58067.045	46	-110	385763.934	6911333.94	2.4	00001N	2.7	99	56888.75	3.69	640	113612	385763.2033	6911331.022	
L1	58067.16	-0.1	58075.795	70	-108	385770.426	6911341.89	-0.1	00001N	-0.5	99	56897.6	3.97	650	113548	385770.294	6911338.813	
L1	58006.21	3.5	58014.845	35	-121	385777.333	6911350.34	3.5	00001N	-0.6	99	56836.76	3.89	660	113522	385778.64	6911346.296	
L1	58081.53	7.1	58090.165	45	-117	385784.029	6911358.53	7.1	00001N	2.2	99	56912.22	3.87	670	113501	385786.8613	6911353.4	
L1	58099.38		58108.015	8	62	385790.422	6911366.36	-9.2	00001N	-10.4	99	56930.08	1.94	680	113436	385792.0867	6911362.362	
L1	58119.53	11.6	58128.165	30	-118	385796.608	6911373.92	11.6	00001N	5.4	99	56950.21	3.77	690	113412	385797.0767	6911371.071	
L1	58115.96	11.3	58124.595	50	-112	385802.034	6911380.56	11.3	00001N	6	99	56946.47	3.79	700	113347	385799.85	6911379.428	
L1	58094.83	10.5	58103.465	27	-116	385808.283	6911388.21	10.5	00001N	4.8	99	56925.04	3.68	710	113313	385807.8933	6911385.604	
L1	58097.42	8	58106.055	6	-47	385813.972	6911395.17	8	00001N	2.4	99	56927.46	2.92	720	113252	385815.7467	6911390.457	
L1	58095.45	5.2	58104.085	14	-58	385820.604	6911403.29	5.2	00001N	2.7	99	56925.42	3.72	730	113230	385822.0257	6911399.198	
L1	58094.88	4.6	58103.515	8	-55	385826.975	6911411.08	4.6	00001N	1.7	99	56924.88	3.42	740	113210	385829.064	6911406.769	
L1	58125.7	1.8	58134.335	8	-57	385833.955	6911419.63	1.8	00001N	2.3	99	56955.69	3.55	750	113147	385836.295	6911415.489	
L1	58127.22	2.1	58135.855	19	-57	385839.641	6911426.58	2.1	00001N	2.6	99	56957.07	3.73	760	113123	385840.8983	6911423.485	
L1	58113.39	2.9	58122.025	7	-55	385845.889	6911434.23	2.9	00001N	2.5	99	56943.25	3.41	770	113104	385846.207	6911432.123	
L1	58109.57	0.1	58118.205	16	-59	385853.502	6911443.54	0.1	00001N	2.6	99	56939.48	3.76	780	113041	385852.298	6911442.87	
L1	58098.33	1.3	58106.965	22	-58	385860.059	6911451.57	1.3	00001N	2.1	99	56928.28	3.83	790	113003	385859.796	6911450.419	
L1	58119.69	0.7	58128.325	14	-60	385865.865	6911458.67	0.7	00001N	0.9	99	56949.56	3.79	800	112938	385866.898	6911456.612	
L1	58122.47	1.9	58131.105	28	-58	385871.343	6911465.38	1.9	00001N	-0.5	99	56952.31	4	810	112907	385872.855	6911463.21	
L1	58132.87	3.9	58141.505	37	-55	385876.34	6911471.49	3.9	00001N	-1.8	99	56962.79	4.15	820	112847	385877.13	6911470.1	
L1	58133.66	9.4	58142.295	34	-58	385882.981	6911479.62	9.4	00001N	-1	99	56963.56	4.19	830	112828	385885.493	6911476.896	
L1	58138.07	13	58146.705	40	-122	385889.83	6911488	13	00001N	-1.8	99	56967.77	3.96	840	112808	385891.364	6911486.334	
L1	58152.17	14.8	58160.805	38	-116	385895.94	6911495.47	14.8	00001N	-1	99	56981.56	3.77	850	112739	385896.188	6911494.996	
L1	58147.21	16.2	58155.845	53	-113			16.2	00001N	-0.8	99	56976.86	3.85	860	112712	385901.288	6911502.023	
L10	58130.24	-4.2	58130.24	-13	65	386053.35	6910266.61	4.2	00010N	6.7	99	56960.35	4.08	0	133258	386053.354	6910266.614	24.8
L10	58175.57	-3.6	58175.57	-37	57	386059.663	6910274.29	3.6	00010N	4.3	99	57005.74	4.22	10	134057	386057.9807	6910275.794	24.8
L10	58181.86	-3.2	58181.86	-31	58	386065.283	6910281.13	3.2	00010N	3	99	57012.02	4.08	20	134123	386065.722	6910280.677	24.8
L10	58220.39	-2	58220.39	-18	62	386072.591	6910290.02	2	00010N	1.4	99	57050.59	4.02	30	134147	386073.139	6910289.983	24.8
L10	58252.62	-0.5	58252.62	-17	63	386078.648	6910297.39	0.5	00010N	0.2	99	57082.82	4.07	40	134206	386078.1587	6910298.472	24.8
L10	58119.39	0.8	58119.39	-11	63	386085.461	6910305.68	-0.8	00010N	-1.6	99	56949.57	3.98	50	134227	386086.297	6910306.012	24.8
L10	58074.54	0.2	58074.54	-15	61	386091.899	6910313.51	-0.2	00010N	-1.7	99	56904.74	3.9	60	134246	386093.6183	6910313.517	24.8
L10	57962.27	0.8	57962.27	-17	63	386097.942	6910320.87	-0.8	00010N	-2	99	56792.55	4.02	70	134304	386098.094	6910322.281	24.8
L10	57948.59	0.9	57948.59	-21	60	386104.116	6910328.38	-0.9	00010N	-2.3	99	56778.84	3.94	80	134322	386105.632	6910328.933	24.8
L10	57987.19	4.1	57987.19	-11	64	386111.814	6910337.75	-4.1	00010N	-6.7	99	56817.44	4.01	90	134345	386113.6987	6910338.529	24.8
L10	58010.1	4	58010.1	-14	62	386116.326	6910343.24	-4	00010N	-5.9	99	56840.34	3.92	100	134401	386117.0907	6910345.046	24.8
L10	58036.76	3.9	58036.76	-22	58	386121.813	6910349.91	-3.9	00010N	-6.9	99	56867.02	3.87	110	134421	386122.325	6910352.288	24.8
L10	58028.21	3.8	58028.21	-22	59	386129.753	6910359.57	-3.8	00010N	-7.2	99	56858.44	3.89	120	134443	386133.4187	6910358.929	24.8
L10	58054.15	4	58054.15	-12	59	386136.201	6910367.42	-4	00010N	-6.5	99	56884.37	3.75	130	134503	386138.015	6910368.37	24.8
L10	58086.43	3.9	58086.43	-21	59	386142.696	6910375.32	-3.9	00010N	-7.8	99	56916.65	3.86	140	134523	386144.2713	6910376.897	24.8
L10	58074.79	4.2	58074.79	-11	60	386147.854	6910381.6	-4.2	00010N	-7.6	99	56905.08	3.81	150	134541	386148.766	6910383.992	24.8
L10	58088.71	4.1	58088.71	-18	60	386154.127	6910389.23	-4.1	00010N	-7.6	99	56918.97	3.85	160	134601	386156.662	6910390.473	24.8
L10	58078.25	3.3	58078.25	-22	56	386159.911	6910396.27	-3.3	00010N	-9.2	99	56908.51	3.76	170	134621	386163.105	6910397.345	24.8
L10	58097.2	4.8	58097.2	-20	57	386167.205	6910405.14	-4.8	00010N	-8.6	99	56927.41	3.74	180	134653	386170.0847	6910406.955	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L10	58092.76	5.2	58092.76	-19	57	386172.583	6910411.69	-5.2	00010N	-8.9	99	56922.99	3.76	190	134710	386175.316	6910413.978	24.8
L10	58087.15	6	58087.15	-7	61	386178.852	6910419.31	-6	00010N	-9.6	99	56917.37	3.8	200	134730	386180.926	6910422.507	24.8
L10	58085.91	7.7	58085.91	-11	62	386184.918	6910426.7	-7.7	00010N	-11.2	99	56916.11	3.91	210	134749	386187.5913	6910429.798	24.8
L10	58090.61	10.9	58090.61	-27	56	386190.209	6910433.13	-10.9	00010N	-14.3	99	56920.81	3.83	220	134810	386192.7103	6910436.727	24.8
L10	58087.29	13.7	58087.29	-8	60	386196.638	6910440.96	-13.7	00010N	-18.6	99	56917.36	3.74	230	134831	386199.3373	6910444.833	24.8
L10	58096.96	13.9	58096.96	-15	56	386202.987	6910448.68	-13.9	00010N	-20.5	99	56927.09	3.59	240	134853	386205.6757	6910453.001	24.8
L10	58115.03	15.1	58115.03	-13	55	386209.02	6910456.02	-15.1	00010N	-21.2	99	56945.14	3.5	250	134914	386212.9183	6910459.64	24.8
L10	58136.26	14.4	58136.26	-11	53	386215.241	6910463.59	-14.4	00010N	-21.1	99	56966.41	3.37	260	134934	386218.7523	6910467.92	24.8
L10	58130.08	13.8	58130.08	-8	53	386221.182	6910470.82	-13.8	00010N	-22	99	56960.2	3.36	270	134959	386226.392	6910473.858	24.8
L10	58141.36	11.6	58141.36	-5	52	386227.418	6910478.41	-11.6	00010N	-22.2	99	56971.44	3.24	280	135023	386232.516	6910481.958	24.8
L10	58176.67	11.1	58176.67	-32	45	386234.004	6910486.42	-11.1	00010N	-19.9	99	57006.68	3.42	290	135049	386234.506	6910492.496	24.8
L10	58158.22	11.2	58158.22	-21	99	386240.754	6910494.63	-11.2	00010N	-22.1	99	56988.25	3.12	300	135116	386244.308	6910497.47	24.8
L10	58155.16	9.7	58155.16	-23	98	386247.999	6910503.45	-9.7	00010N	-22.4	99	56985.15	3.1	310	135144	386251.345	6910506.94	24.8
L10	58157.18	9.3	58157.18	-30	97	386254.039	6910510.8	-9.3	00010N	-21.4	99	56987.21	3.13	320	135207	386255.4403	6910515.882	24.8
L10	58140.45	8.5	58140.45	-26	92	386259.947	6910517.99	-8.5	00010N	-22.4	99	56970.5	2.96	330	135234	386260.149	6910524.271	24.8
L10	58107	6.2	58107	-24	92	386266.701	6910526.2	-6.2	00010N	-22	99	56937.13	2.93	340	135308	386270.308	6910528.486	24.8
L10	58114.74	4.3	58114.74	-17	92	386272.559	6910533.33	-4.3	00010N	-21	99	56944.91	2.9	350	135333	386275.472	6910536.508	24.8
L10	58129.77	1.8	58129.77	-22	92	386279.542	6910541.83	-1.8	00010N	-20.2	99	56960.02	2.93	360	135360	386280.4176	6910546.746	24.8
L10	58130.43	-0.5	58130.43	-27	88	386285.554	6910549.14	0.5	00010N	-18.4	99	56960.75	2.83	370	135427	386288.486	6910552.292	24.8
L10	58118.78	-2.3	58118.78	-3	91	386292.353	6910557.42	2.3	00010N	-17.8	99	56949.14	2.82	380	135458	386295.45	6910560.9	24.8
L10	58109.3	-3.1	58109.3	-24	91	386297.162	6910563.27	3.1	00010N	-18.6	99	56939.69	2.91	390	135521	386300.3653	6910566.997	24.8
L10	58080.45	-2.7	58080.45	-29	88	386303.964	6910571.54	2.7	00010N	-19.4	99	56910.88	2.86	400	135551	386309.62	6910573.082	24.8
L10	58094.23	-4.8	58094.23	-18	88	386312.097	6910581.44	4.8	00010N	-17	99	56924.77	2.77	410	135625	386311.6123	6910586.174	24.8
L10	58043.15	-6.2	58043.15	-42	83	386318.668	6910589.43	6.2	00010N	-14.3	99	56873.9	2.88	420	135656	386320.754	6910591.736	24.8
L10	58003.22	-7.6	58003.22	-38	82	386324.323	6910596.31	7.6	00010N	-11.6	99	56834.11	2.79	430	135719	386327.578	6910597.92	24.8
L10	58021.16	-9.1	58021.16	-37	83	386331.321	6910604.83	9.1	00010N	-9	99	56852.22	2.81	440	135746	386335.8533	6910605.754	24.8
L10	57893.96	-11.8	57893.96	-27	87	386338.089	6910613.06	11.8	00010N	-4.6	99	56725.03	2.83	450	135811	386340.86	6910615.572	24.8
L10	57939.13	-14.4	57939.13	-42	85	386343.529	6910619.68	14.4	00010N	-0.2	99	56770.28	2.93	460	135841	386345.2847	6910623.248	24.8
L10	57941.57	-8.4	57941.57	-55	87	386352.329	6910630.39	8.4	00010N	-0.1	99	56772.78	3.19	470	135918	386359.4613	6910625.33	24.8
L10	57955.07	3.3	57955.07	-39	94	386361.181	6910641.16	-3.3	00010N	-3.9	99	56786.36	3.16	480	135945	386372.3917	6910631.704	24.8
L10	58045.9	6	58045.9	-31	89	386365.778	6910646.75	-6	00010N	-4.8	99	56877.26	2.92	490	140001	386373.6867	6910639.076	24.8
L10	58038.31	1.8	58038.31	-8	91	386374.058	6910656.83	-1.8	00010N	-0.3	99	56869.94	2.83	500	140126	386371.496	6910652.38	24.8
L10	58019.72	-3.3	58019.72	-53	76	386382.864	6910667.54	3.3	00010N	5.2	99	56852.19	2.87	510	140448	386377.7053	6910665.307	24.8
L10	58042.5	-4.1	58042.5	-18	88	386387.583	6910673.29	4.1	00010N	6	99	56875.05	2.77	520	140544	386384.592	6910668.716	24.8
L10	58036.31	-7.1	58036.31	-61	71	386394.216	6910681.36	7.1	00010N	8.1	99	56868.84	2.9	530	140628	386389.664	6910678.252	24.8
L10	58069.45	-10.8	58069.45	-57	75	386400.826	6910689.4	10.8	00010N	9.4	99	56902.17	2.9	540	140710	386396.5667	6910686.512	24.8
L10	58089.89	-12.5	58089.89	-50	79	386405.566	6910695.17	12.5	00010N	10.9	99	56922.76	2.88	550	140753	386403.722	6910689.406	24.8
L10	58140.45	-16.2	58140.45	-32	82	386411.483	6910702.37	16.2	00010N	12.5	99	56973.54	2.72	560	140843	386411.136	6910695.559	24.8
L10	58209.61	-19.4	58209.61	-50	77	386419.005	6910711.52	19.4	00010N	16.9	99	57042.75	2.84	570	140934	386415.785	6910706.892	24.8
L10	58228.57	-22.2	58228.57	-55	73	386425.612	6910719.56	22.2	00010N	20.5	99	57061.85	2.83	580	141017	386424.114	6910713.702	24.8
L10	58162.18	-26.5	58162.18	-73	66	386431.234	6910726.4	26.5	00010N	22.8	99	56995.62	3.02	590	141118	386428.988	6910721.453	24.8
L10	58135	-29.5	58135	-55	81	386437.618	6910734.17	29.5	00010N	24.2	99	56968.58	3.03	600	141223	386436.891	6910728.206	24.8
L10	58103.75	-31.3	58103.75	-13	97	386444.333	6910742.34	31.3	00010N	22.7	99	56937.48	3.03	610	141316	386444.7893	6910735.768	24.8
L10	58093.9	-29.2	58093.9	-70	80	386449.785	6910748.97	29.2	00010N	20	99	56927.77	3.28	620	141404	386449.7637	6910743.121	24.8
L10	58086.05	-29.8	58086.05	-57	90	386456.117	6910756.67	29.8	00010N	18.1	99	56920	3.28	630	141456	386455.71	6910751.545	24.8
L10	58084.09	-29.2	58084.09	-64	89	386462.681	6910764.66	29.2	00010N	17.1	99	56918.16	3.4	640	141547	386461.2643	6910760.679	24.8
L10	58083.38	-26.4	58083.38	-86	76	386468.91	6910772.24	26.4	00010N	14.4	99	56917.7	3.54	650	141634	386465.1767	6910770.037	24.8
L10	58070.9	-27.2	58070.9	-59	94	386473.988	6910778.42	27.2	00010N	12.4	99	56905.29	3.44	660	141726	386470.232	6910776.58	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L10	58075.71	-26.2	58075.71	-80	84	386479.384	6910784.98	26.2	00010N	10.4	99	56910.11	3.59	670	141809	386475.82	6910783.361	24.8
L10	58050.04	-25.9	58050.04	-68	92	386487.93	6910795.38	25.9	00010N	8.4	99	56884.57	3.55	680	141854	386485.206	6910793.636	24.8
L10	58099.36	-25.7	58099.36	-50	104	386494.186	6910802.99	25.7	00010N	6.4	99	56933.93	3.56	690	141929	386489.8027	6910802.727	24.8
L10	58134.9	-24.9	58134.9	-56	100	386499.175	6910809.06	24.9	00010N	4.2	99	56969.43	3.52	700	141956	386495.874	6910808.126	24.8
L10	58207.99	-25.2	58207.99	-69	94	386507.33	6910818.99	25.2	00010N	4.4	99	57042.52	3.61	710	142044	386505.6247	6910817.141	24.8
L10	58324.27	-25.8	58324.27	-61	102	386513.404	6910826.38	25.8	00010N	3.1	99	57158.8	3.67	720	142105	386510.854	6910825.538	24.8
L10	58234.27	-25.9	58234.27	-48	109	386518.55	6910832.64	25.9	00010N	2.1	99	57068.73	3.67	730	142129	386518.448	6910829.079	24.8
L10	58090.76	-26.2	58090.76	-32	111	386524.991	6910840.48	26.2	00010N	0.7	99	56925.31	3.58	740	142154	386523.5743	6910838.231	24.8
L10	58074.77	-27.6	58074.77	-42	109	386531.214	6910848.05	27.6	00010N	2.1	99	56909.34	3.61	750	142215	386530.475	6910845.65	24.8
L10	58077.52	-25.6	58077.52	-28	118	386537.751	6910856	25.6	00010N	-0.8	99	56912.26	3.74	760	142237	386537.373	6910853.758	24.8
L10	58091.27	-25.1	58091.27	-1	119	386545.565	6910865.51	25.1	00010N	-1.1	99	56926.13	3.67	770	142258	386544.161	6910864.521	24.8
L10	58088.67	-25.9	58088.67	-7	118	386549.933	6910870.82	25.9	00010N	0.7	99	56923.62	3.63	780	142318	386549.018	6910869.718	24.8
L10	58095.59	-25.3	58095.59	-22	120	386555.994	6910878.2	25.3	00010N	0.7	99	56930.61	3.77	790	142339	386553.1047	6910878.702	24.8
L10	58103.87	-22.7	58103.87	-47	114	386562.757	6910886.43	22.7	00010N	-0.6	99	56938.87	3.82	800	142402	386561.5393	6910885.783	24.8
L10	58080.55	-20.5	58080.55	-60	114	386568.519	6910893.44	20.5	00010N	-2.1	99	56915.55	3.97	810	142426	386567.372	6910893.132	24.8
L10	58089.29	-16.1	58089.29	-19	124	386574.28	6910900.45	16.1	00010N	-6.8	99	56924.22	3.88	820	142456	386574.4717	6910899.265	24.8
L10	58089.3	-15.5	58089.3	-10	59	386581.35	6910909.05	15.5	00010N	-7	99	56924.27	3.71	830	142523	386580.176	6910909.266	24.8
L10	58097.12	-14.5	58097.12	-7	59	386587.963	6910917.1	14.5	00010N	-7.6	99	56932.22	3.69	840	142549	386585.7407	6910918.485	24.8
L10	58112.54	-14.4	58112.54	-25	54	386594.444	6910924.98	14.4	00010N	-9.1	99	56947.72	3.69	850	142616	386594.2507	6910924.727	24.8
L10	58089.32	-14.8	58089.32	2	56			14.8	00010N	-7.7	99	56924.64	3.47	860	142642	386600.4467	6910932.295	24.8
L11	58312.14	-2.8	58312.14	-6	67	386128.09	6910201.14	2.8	00011N	10.6	99	57142.37	4.16	0	132847	386128.0913	6910201.136	24.8
L11	58552.88	0.5	58552.88	-34	63	386135.624	6910210.29	-0.5	00011N	6.6	99	57383.09	4.43	10	132816	386133.7033	6910212.027	24.8
L11	58496.88	0.2	58496.88	-18	66	386141.551	6910217.49	-0.2	00011N	5.1	99	57327.06	4.22	20	132751	386140.5023	6910218.861	24.8
L11	58209.03	3.5	58209.03	-21	67	386147.973	6910225.29	-3.5	00011N	3.6	99	57039.15	4.38	30	132729	386148.2607	6910225.852	24.8
L11	58178.86	5.8	58178.86	-34	62	386154.391	6910233.08	-5.8	00011N	2.2	99	57008.99	4.35	40	132706	386153.302	6910234.992	24.8
L11	58136	7.9	58136	-33	61	386160.502	6910240.5	-7.9	00011N	-0.5	99	56966.08	4.29	50	132644	386159.7517	6910242.552	24.8
L11	58014.62	10.7	58014.62	-36	58	386166.227	6910247.46	-10.7	00011N	-3.8	99	56844.61	4.26	60	132617	386165.518	6910249.863	24.8
L11	57953.45	12.5	57953.45	-25	60	386172.524	6910255.1	-12.5	00011N	-5.2	99	56783.48	4.06	70	132553	386170.74	6910258.671	24.8
L11	57987.34	13.3	57987.34	-11	62	386179.474	6910263.54	-13.3	00011N	-7	99	56817.39	3.89	80	132527	386180.534	6910264.314	24.8
L11	58036.73	13.5	58036.73	-28	57	386185.251	6910270.56	-13.5	00011N	-7.1	99	56866.81	3.93	90	132507	386185.5827	6910272.237	24.8
L11	58047.73	13.1	58047.73	-27	57	386191.662	6910278.34	-13.1	00011N	-6.8	99	56877.79	3.92	100	132442	386191.4343	6910280.866	24.8
L11	58022.91	14.1	58022.91	-20	61	386197.879	6910285.89	-14.1	00011N	-8	99	56853	3.95	110	132419	386199.305	6910287.212	24.8
L11	58178.62	16.8	58178.62	-22	61	386202.981	6910292.09	-16.8	00011N	-11.6	99	57008.66	4.03	120	132352	386202.834	6910294.723	24.8
L11	58399.53	19.5	58399.53	-18	122	386209.756	6910300.32	-19.5	00011N	-15.9	99	57229.41	3.79	130	132316	386209.5513	6910303.455	24.8
L11	58035.75	20.5	58035.75	-33	119	386216.532	6910308.55	-20.5	00011N	-18.6	99	56865.47	3.81	140	132249	386217.1017	6910311.482	24.8
L11	58245.07	22.1	58245.07	-46	114	386222.773	6910316.13	-22.1	00011N	-19.8	99	57074.76	3.78	150	132215	386223.6813	6910319.21	24.8
L11	58272.28	22.6	58272.28	-56	109	386228.907	6910323.58	-22.6	00011N	-22.1	99	57101.96	3.79	160	132142	386231.082	6910325.9	24.8
L11	58350.21	22.8	58350.21	-10	116	386234.664	6910330.57	-22.8	00011N	-22.6	99	57179.78	3.59	170	132111	386237.285	6910332.912	24.8
L11	58173.75	22.5	58173.75	-42	104	386242.441	6910340.01	-22.5	00011N	-24.7	99	57003.23	3.46	180	132028	386247.32	6910340.61	24.8
L11	58104.17	22.8	58104.17	-33	107	386247.993	6910346.75	-22.8	00011N	-24.8	99	56933.53	3.45	190	131942	386251.6593	6910348.529	24.8
L11	58112.33	20.1	58112.33	-3	107	386255.431	6910355.79	-20.1	00011N	-26.9	99	56941.61	3.29	200	131901	386259.3188	6910357.89	24.8
L11	58071.57	21.6	58071.57	-7	106	386261.163	6910362.75	-21.6	00011N	-25.3	99	56900.8	3.29	210	131818	386264.192	6910365.838	24.8
L11	58083.45	19.9	58083.45	-30	100	386266.986	6910369.82	-19.9	00011N	-25.2	99	56912.56	3.23	220	131707	386269.141	6910373.911	24.8
L11	58012.23	17.4	58012.23	-35	96	386273.347	6910377.54	-17.4	00011N	-26.5	99	56841.2	3.14	230	131617	386276.68	6910380.995	24.8
L11	58059.36	15.6	58059.36	-75	74	386278.609	6910383.93	-15.6	00011N	-24.2	99	56888.13	3.26	240	131536	386282.2563	6910387.486	24.8
L11	58213.07	15.6	58213.07	-15	99	386284.92	6910391.6	-15.6	00011N	-23.4	99	57041.68	3.08	250	131436	386288.86	6910395.344	24.8
L11	58052.6	12.7	58052.6	-48	91	386292.372	6910400.65	-12.7	00011N	-21.8	99	56881.09	3.18	260	131343	386297.048	6910404.278	24.8
L11	58066.14	11.5	58066.14	-23	97	386297.169	6910406.47	-11.5	00011N	-22.6	99	56894.74	3.07	270	131247	386300.71	6910411.166	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L11	57925.09	9.9	57925.09	-58	87	386304.296	6910415.13	-9.9	00011N	-20	99	56753.69	3.22	280	131152	386308.924	6910419.344	24.8
L11	58116.86	8.5	58116.86	1	96	386310.056	6910422.12	-8.5	00011N	-20.9	99	56945.22	2.96	290	131103	386315.5763	6910425.939	24.8
L11	58037.46	7.1	58037.46	-40	92	386316.006	6910429.35	-7.1	00011N	-19.3	99	56865.74	3.09	300	131023	386321.5433	6910433.557	24.8
L11	57770.94	6.9	57770.94	-28	96	386321.861	6910436.46	-6.9	00011N	-18.7	99	56599.02	3.08	310	130919	386325.394	6910442.266	24.8
L11	57789.46	8.3	57789.46	-46	89	386329.55	6910445.8	-8.3	00011N	-23.9	99	56617.5	3.1	320	130830	386335.654	6910449.412	24.8
L11	57803.55	7.3	57803.55	-37	91	386333.498	6910450.59	-7.3	00011N	-26.1	99	56631.51	3.04	330	130741	386336.737	6910455.741	24.8
L11	57878.83	7.4	57878.83	-22	93	386342.039	6910460.96	-7.4	00011N	-27.3	99	56706.85	2.97	340	130649	386346.7693	6910465.347	24.8
L11	57862.46	6.5	57862.46	-64	73	386347.375	6910467.44	-6.5	00011N	-24.9	99	56690.43	3.02	350	130551	386354.102	6910469.988	24.8
L11	57819.26	4.6	57819.26	-24	89	386354.366	6910475.94	-4.6	00011N	-25.7	99	56647.24	2.86	360	130446	386357.8053	6910480.738	24.8
L11	57819.78	2.1	57819.78	-37	87	386361.643	6910484.77	-2.1	00011N	-24.7	99	56647.78	2.93	370	130352	386366.898	6910488.312	24.8
L11	57846.65	0.3	57846.65	-22	89	386366.823	6910491.06	-0.3	00011N	-23.6	99	56674.69	2.82	380	130259	386372.7798	6910494.343	24.8
L11	57872.98	-2.1	57872.98	-53	77	386373.398	6910499.05	2.1	00011N	-22.2	99	56701.06	2.88	390	130203	386379.434	6910502.714	24.8
L11	57860.03	-2.8	57860.03	-21	89	386379.941	6910506.99	2.8	00011N	-19.4	99	56688.01	2.82	400	130042	386387.3017	6910509.877	24.8
L11	57890.17	-4.2	57890.17	-45	78	386385.926	6910514.26	4.2	00011N	-17	99	56718.32	2.77	410	125952	386391.5483	6910518.637	24.8
L11	57923.01	-7	57923.01	-15	86	386392.834	6910522.65	7	00011N	-14.9	99	56751.21	2.7	420	125838	386396.008	6910528.948	24.8
L11	57936.21	-7.9	57936.21	-60	70	386398.445	6910529.47	7.9	00011N	-10.9	99	56764.43	2.86	430	125748	386404.023	6910533.31	24.8
L11	57933.17	-10.5	57933.17	-18	86	386406.701	6910539.49	10.5	00011N	-7	99	56761.23	2.71	440	125655	386408.781	6910545.865	24.8
L11	57590.46	-13.2	57590.46	-24	86	386413.165	6910547.34	13.2	00011N	1.4	99	56418.66	2.75	450	125529	386418.771	6910549.139	24.8
L11	56390.7	-9	56390.7	12	92	386419.155	6910554.62	9	00011N	2.3	99	55219.07	2.86	460	125437	386423.641	6910557.574	24.8
L11	57742.09	-7.8	57742.09	-2	89	386425.847	6910562.74	7.8	00011N	1.4	99	56570.52	2.76	470	125410	386428.63	6910567.246	24.8
L11		-0.3		-56	69	386432.36	6910570.65	0.3	00011N	1.2	39	54391.45	2.74	480	125319	386432.854	6910576.961	24.8
L11	56937.71	-1.4	56937.71	-25	81	386439.449	6910579.26	1.4	00011N	3	99	55766.16	2.63	490	125258	386443.9794	6910579.981	24.8
L11	57701.43	-2.9	57701.43	-44	71	386443.827	6910584.58	2.9	00011N	4.7	99	56529.96	2.57	500	125226	386441.6673	6910586.715	24.8
L11	57951.76	-8.5	57951.76	-29	78	386453.781	6910596.67	8.5	00011N	10.3	99	56780.62	2.57	510	125131	386454.884	6910596.062	24.8
L11	57964.08	-9.7	57964.08	-41	72	386458.102	6910601.91	9.7	00011N	10.9	99	56793.02	2.57	520	125108	386458.362	6910602.168	24.8
L11	57980.7	-11	57980.7	-62	60	386464.505	6910609.69	11	00011N	11.8	99	56809.77	2.66	530	125038	386464.61	6910610.5	24.8
L11	58009.94	-17.8	58009.94	-82	18	386472.239	6910619.08	17.8	00011N	10.2	99	56838.95	2.59	540	125004	386471.8713	6910620.769	24.8
L11	58035.26	-22.5	58035.26	-42	73	386478.714	6910626.95	22.5	00011N	18.4	99	56864.48	2.6	550	124843	386475.2207	6910630.753	24.8
L11	58040.05	-22.6	58040.05	-35	78	386485.137	6910634.75	22.6	00011N	16	99	56869.35	2.64	560	124820	386484.9833	6910634.467	24.8
L11	58043.15	-25.6	58043.15	-55	69	386491.834	6910642.88	25.6	00011N	19.1	99	56872.62	2.72	570	124722	386492.0583	6910642.747	24.8
L11	58071.31	-29.9	58071.31	-58	67	386499.223	6910651.85	29.9	00011N	21.1	99	56900.89	2.75	580	124650	386500.0633	6910651.71	24.8
L11	58125.49	-34.6	58125.49	-43	75	386505.44	6910659.4	34.6	00011N	25.2	99	56955.27	2.66	590	124619	386504.0283	6910661.01	24.8
L11	58101.78	-38.6	58101.78	-42	77	386512.045	6910667.42	38.6	00011N	27.1	99	56931.9	2.72	600	124541	386512.5787	6910667.513	24.8
L11	58087.32	-40.7	58087.32	-41	82	386517.916	6910674.55	40.7	00011N	26.5	99	56917.63	2.84	610	124506	386518.404	6910675.078	24.8
L11	58083.72	-41.8	58083.72	-37	87	386522.743	6910680.42	41.8	00011N	25.6	99	56914.08	2.92	620	124436	386524.3633	6910680.187	24.8
L11	58078.8	-43	58078.8	-31	88	386530.826	6910690.23	43	00011N	26.6	99	56909.25	2.89	630	124402	386529.98	6910692.071	24.8
L11	58073.31	-43.7	58073.31	-45	89	386535.12	6910695.45	43.7	00011N	24.8	99	56903.94	3.07	640	124334	386536.5303	6910694.494	24.8
L11	58084.07	-43.9	58084.07	-32	97	386543.212	6910705.27	43.9	00011N	21	99	56914.85	3.14	650	124309	386543.1807	6910705.85	24.8
L11	58068.64	-43.9	58068.64	-35	97	386549.258	6910712.62	43.9	00011N	21.8	99	56899.73	3.19	660	124230	386549.0873	6910713.71	24.8
L11	58068.76	-43	58068.76	-48	96	386555.073	6910719.68	43	00011N	21.9	99	56900.22	3.3	670	124143	386557.404	6910718.214	24.8
L11	58102.02	-43	58102.02	-26	49	386562.254	6910728.4	43	00011N	23.7	99	56933.57	3.45	680	124109	386562.222	6910728.851	24.8
L11	58075.34	-42.1	58075.34	-21	52	386567.551	6910734.83	42.1	00011N	24.5	99	56907	3.51	690	124046	386567.398	6910735.737	24.8
L11	58058.32	-40.5	58058.32	-31	54	386575.433	6910744.4	40.5	00011N	22.3	99	56889.99	3.87	700	124021	386574.88	6910746.145	24.8
L11	58143.78	-37.5	58143.78	-28	59	386580.355	6910750.38	37.5	00011N	19.3	99	56975.49	4.04	710	123959	386581.4254	6910750.753	24.8
L11	58286.12	-30.3	58286.12	-35	61	386586.337	6910757.65	30.3	00011N	11.4	99	57117.92	4.35	720	123937	386589.7567	6910755.775	24.8
L11	58272.11	-23.5	58272.11	-20	65	386595.104	6910768.29	23.5	00011N	5.1	99	57103.98	4.19	730	123908	386593.496	6910769.534	24.8
L11	58173.99	-19.8	58173.99	-23	64	386599.301	6910773.39	19.8	00011N	3	99	57006.07	4.19	740	123844	386596.574	6910775.626	24.8
L11	58098.09	-12.4	58098.09	-38	58	386606.543	6910782.18	12.4	00011N	0.5	99	56930.2	4.3	750	123815	386604.66	6910784.19	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L11	58068.04	-8.7	58068.04	-44	54	386613.082	6910790.13	8.7	00011N	-0.5	99	56900.22	4.31	760	123747	386613.1887	6910790.542	24.8
L11	58100.37	-7.7	58100.37	-1	64	386618.966	6910797.27	7.7	00011N	-2.7	99	56932.73	3.93	770	123723	386620.858	6910796.266	24.8
L11	58249.13	-7.2	58249.13	21	125	386625.929	6910805.73	7.2	00011N	-3.7	99	57081.7	3.92	780	123651	386626.48	6910806.095	24.8
L11	58372.47	-4.7	58372.47	-44	118	386630.082	6910810.77	4.7	00011N	-2.9	99	57205.09	3.9	790	123629	386628.893	6910812.403	24.8
L11	58035.07	-2.6	58035.07	-79	104	386637.737	6910820.07	2.6	00011N	-5.1	99	56867.93	4.03	800	123602	386635.814	6910822.752	24.8
L11	58030.47	-0.9	58030.47	-72	101	386643.835	6910827.47	0.9	00011N	-7	99	56863.48	3.84	810	123534	386640.52	6910831.48	24.8
L11	58048.7	1.2	58048.7	-58	104	386651.289	6910836.53	-1.2	00011N	-9.7	99	56881.83	3.69	820	123506	386649.264	6910839.878	24.8
L11	58060.25	1.3	58060.25	-107	62	386657.287	6910843.81	-1.3	00011N	-8.9	99	56893.58	3.81	830	123439	386657.105	6910845.68	24.8
L11	58054.61	-1.4	58054.61	-117	40	386664.726	6910852.84	1.4	00011N	-6.5	99	56888.13	3.81	840	123401	386668.4009	6910850.011	24.8
L11	58029.23	-3.6	58029.23	-43	99	386670.566	6910859.94	3.6	00011N	-6.4	99	56862.97	3.33	850	123319	386670.8827	6910859.178	24.8
L11	58064.7	-4.9	58064.7	-103	58	386678.169	6910869.17	4.9	00011N	-4.9	99	56899.5	3.65	860	122946	386678.166	6910869.17	24.8
L12	59079.59	16	59079.59	18	61	386204.74	6910138.12	-16	00012N	0.9	99	57919.35	3.91	0	113211	386204.7387	6910138.116	24.8
L12	58934.33	13.4	58934.33	-17	61	386212.927	6910148.01	-13.4	00012N	0.9	99	57773.51	3.9	10	113519	386212.8147	6910148.498	24.8
L12	58921.6	15.3	58921.6	-2	62	386218.646	6910154.93	-15.3	00012N	-0.5	99	57760.75	3.85	20	113541	386219.7513	6910154.524	24.8
L12	59031.86	15.1	59031.86	-10	61	386224.602	6910162.13	-15.1	00012N	-1.1	99	57871.05	3.83	30	113605	386226.072	6910161.711	24.8
L12	58848.62	11.9	58848.62	-15	58	386231.902	6910170.95	-11.9	00012N	3.3	99	57687.96	3.74	40	113628	386230.694	6910172.489	24.8
L12	58313.06	11	58313.06	-26	62	386239.037	6910179.57	-11	00012N	0.6	99	57152.49	4.17	50	113651	386241.5	6910176.319	24.8
L12	58815.7	19.6	58815.7	-24	60	386245.792	6910187.74	-19.6	00012N	-7.1	99	57655.1	4.03	60	113712	386248.112	6910184.924	24.8
L12	58819.68	21.2	58819.68	-12	60	386252.865	6910196.28	-21.2	00012N	-9.7	99	57659.11	3.82	70	113732	386253.2213	6910195.075	24.8
L12	58728.55	21.6	58728.55	-2	61	386258.421	6910203	-21.6	00012N	-10.1	99	57567.97	3.78	80	113750	386259.8547	6910201.049	24.8
L12	58624.54	21.5	58624.54	-11	58	386265.387	6910211.42	-21.5	00012N	-12.4	99	57463.82	3.63	90	113809	386264.709	6910211.134	24.8
L12	58527.54	22.7	58527.54	-16	56	386270.994	6910218.2	-22.7	00012N	-14.5	99	57366.63	3.62	100	113829	386272.097	6910216.29	24.8
L12	58591.65	22.1	58591.65	-22	53	386276.777	6910225.19	-22.1	00012N	-17.1	99	57430.76	3.55	110	113849	386277.758	6910223.658	24.8
L12	58650.85	22.2	58650.85	-14	56	386283.764	6910233.63	-22.2	00012N	-16.7	99	57489.91	3.56	120	113910	386283.8867	6910233.063	24.8
L12	58655.4	20.4	58655.4	-6	55	386289.825	6910240.96	-20.4	00012N	-17.1	99	57494.4	3.41	130	113934	386289.4553	6910241.051	24.8
L12	58581.39	19.6	58581.39	-29	48	386295.429	6910247.73	-19.6	00012N	-15.9	99	57420.27	3.46	140	113958	386297.3	6910245.47	24.8
L12	58172.84	18.6	58172.84	-28	100	386303.098	6910257	-18.6	00012N	-18.2	99	57011.21	3.22	150	114142	386308.5227	6910250.557	24.8
L12	58403.43	18.2	58403.43	-19	103	386309.903	6910265.22	-18.2	00012N	-17.8	99	57241.79	3.22	160	114216	386309.9207	6910261.402	24.8
L12	58440.77	17.1	58440.77	-28	102	386317.131	6910273.96	-17.1	00012N	-17.4	99	57279.17	3.27	170	114240	386314.6087	6910272.026	24.8
L12	58362.7	16	58362.7	-46	96	386323.695	6910281.89	-16	00012N	-17	99	57201.15	3.3	180	114302	386321.7943	6910279.746	24.8
L12	58386.8	15.4	58386.8	-45	96	386329.062	6910288.38	-15.4	00012N	-17.6	99	57225.23	3.29	190	114323	386327.243	6910286.429	24.8
L12	58449.64	12.3	58449.64	-53	87	386334.247	6910294.64	-12.3	00012N	-19.3	99	57288.03	3.15	200	114346	386332.5833	6910292.823	24.8
L12	58412.28	10.4	58412.28	-43	93	386341.967	6910303.98	-10.4	00012N	-17.2	99	57250.65	3.16	210	114416	386339.764	6910302.937	24.8
L12	58274.83	10.7	58274.83	-52	89	386348.202	6910311.51	-10.7	00012N	-17.2	99	57113.2	3.19	220	114439	386347.6083	6910309.168	24.8
L12	58182.41	10	58182.41	-38	97	386353.688	6910318.14	-10	00012N	-19.5	99	57020.76	3.21	230	114502	386354.1533	6910315.072	24.8
L12	58375.43	10.2	58375.43	-60	83	386360.227	6910326.05	-10.2	00012N	-23.9	99	57213.75	3.17	240	114526	386359.7133	6910323.986	24.8
L12	58311	10.9	58311	-60	85	386366.661	6910333.82	-10.9	00012N	-23.4	99	57149.27	3.21	250	114551	386365.2793	6910332.696	24.8
L12	58278.47	9	58278.47	-46	91	386374.025	6910342.72	-9	00012N	-23.5	99	57116.8	3.16	260	114616	386372.8507	6910341.789	24.8
L12	58348.87	6.8	58348.87	-40	89	386379.613	6910349.48	-6.8	00012N	-24.3	99	57187.24	3.02	270	114638	386379.5227	6910347.797	24.8
L12	58253.08	4.7	58253.08	-38	91	386385.261	6910356.3	-4.7	00012N	-23.4	99	57091.39	3.04	280	114705	386383.3903	6910356.005	24.8
L12	58096.19	5.3	58096.19	-68	78	386392.944	6910365.59	-5.3	00012N	-21.6	99	56934.44	3.2	290	114734	386392.086	6910364.767	24.8
L12	58193.25	2.8	58193.25	-47	86	386397.937	6910371.62	-2.8	00012N	-24.1	99	57031.44	3.02	300	114757	386397.423	6910370.756	24.8
L12	58189.11	1.1	58189.11	-35	89	386405.046	6910380.21	-1.1	00012N	-24.1	99	57027.19	2.95	310	114827	386406.3113	6910377.929	24.8
L12	58080.73	-0.3	58080.73	-51	84	386411.33	6910387.81	0.3	00012N	-22.6	99	56918.83	3.04	320	114857	386408.89	6910387.69	24.8
L12	58016.52	0	58016.52	-39	90	386418.422	6910396.38	0	00012N	-21.7	99	56854.83	3.02	330	114924	386417.894	6910394.674	24.8
L12	58049.79	-2	58049.79	-28	89	386424.908	6910404.22	2	00012N	-21.4	99	56888.35	2.88	340	115002	386422.315	6910404.112	24.8
L12	57984.76	-4.9	57984.76	-38	85	386431.053	6910411.65	4.9	00012N	-17.8	99	56823.47	2.89	350	115032	386429.197	6910411.189	24.8
L12	57563.8	-7.3	57563.8	-45	84	386437.115	6910418.97	7.3	00012N	-17.2	99	56402.55	2.93	360	115057	386434.806	6910419.152	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L12	57579.98	-8.3	57579.98	-39	85	386443.867	6910427.13	8.3	00012N	-13.2	99	56418.7	2.89	370	115119	386443.2107	6910426.013	24.8
L12	57664.31	-8.2	57664.31	-74	65	386450.483	6910435.13	8.2	00012N	-10.5	99	56503	3.04	380	115146	386447.816	6910435.592	24.8
L12	57768.19	-9.5	57768.19	-55	79	386456.346	6910442.22	9.5	00012N	-9.4	99	56606.94	2.98	390	115208	386455.0247	6910441.657	24.8
L12	57730.4	-7	57730.4	-36	89	386462.215	6910449.31	7	00012N	-10.2	99	56569.19	2.95	400	115231	386462.687	6910447.152	24.8
L12	57832.86	-3.7	57832.86	-33	90	386469.171	6910457.72	3.7	00012N	-13.4	99	56671.68	2.96	410	115257	386469.1957	6910456.238	24.8
L12	57760.12	-0.8	57760.12	-19	89	386474.609	6910464.29	0.8	00012N	-16.1	99	56599.01	2.8	420	115318	386474.7733	6910462.963	24.8
L12	57781.22	-0.4	57781.22	-4	87	386481.915	6910473.12	0.4	00012N	-16.3	99	56620.19	2.68	430	115341	386478.623	6910474.053	24.8
L12	57851.73	-3.1	57851.73	-28	79	386487.786	6910480.22	3.1	00012N	-14	99	56690.66	2.59	440	115409	386486.432	6910479.344	24.8
L12	57879.93	-4.1	57879.93	-35	75	386494.261	6910488.04	4.1	00012N	-8.2	99	56718.93	2.56	450	115434	386493.9937	6910486.488	24.8
L12	58021.81	-6.3	58021.81	-24	76	386499.824	6910494.76	6.3	00012N	-3.6	99	56860.96	2.46	460	115513	386501.0857	6910491.927	24.8
L12	59324.05	-6.4		-25	74	386506.195	6910502.46	6.4	00012N	0.8	99	58162.6	2.43	470	115824	386508.286	6910499.203	24.8
L12	58269.18	-10.4	58269.18	-21	75	386514.772	6910512.83	10.4	00012N	5.1	99	57107.69	2.4	480	115907	386513.862	6910511.805	24.8
L12	58297.69	-12.8	58297.69	-54	60	386525.455	6910525.74	12.8	00012N	7.1	99	57136.14	2.49	490	120039	386524.042	6910525.625	24.8
L12	58176.88	-14.7	58176.88	-38	68	386526.23	6910526.68	14.7	00012N	9.3	99	57015.61	2.41	500	120121	386524.654	6910526.709	24.8
L12	58171.25	-21.6	58171.25	-57	55	386532.151	6910533.84	21.6	00012N	14.3	99	57010.1	2.44	510	120307	386532.5793	6910531.973	24.8
L12	58162.18	-25.8	58162.18	-44	65	386538.054	6910540.97	25.8	00012N	17.7	99	57000.85	2.43	520	120351	386537.5087	6910540.074	24.8
L12	57925.49	-31.5	57925.49	-40	64	386546.027	6910550.61	31.5	00012N	24.8	99	56764.05	2.33	530	120434	386545.876	6910549.775	24.8
L12	58017.84	-34.3	58017.84	-47	62	386557.004	6910563.87	34.3	00012N	26.7	99	56856.52	2.41	540	120508	386554.868	6910564.946	24.8
L12	58059.04	-34.3	58059.04	-58	56	386561.445	6910569.24	34.3	00012N	25.4	99	56897.78	2.51	550	120527	386558.3333	6910571.183	24.8
L12	58232.29	-39	58232.29	-47	65	386564.477	6910572.9	39	00012N	27.2	99	57071.06	2.49	560	120556	386563.062	6910572.354	24.8
L12	58266.42	-41.3	58266.42	-62	57	386571.533	6910581.43	41.3	00012N	28.7	99	57105.14	2.61	570	120633	386570.5247	6910580.888	24.8
L12	58215.54	-44.6	58215.54	-48	68	386576.579	6910587.53	44.6	00012N	29.8	99	57054.28	2.57	580	120726	386576.221	6910586.657	24.8
L12	58154.17	-48.5	58154.17	-32	81	386581.193	6910593.11	48.5	00012N	28.7	99	56992.7	2.69	590	120812	386580.7347	6910592.538	24.8
L12	57997.41	-50.8	57997.41	-33	80	386588.937	6910602.47	50.8	00012N	32.3	99	56836.04	2.68	600	120919	386585.7733	6910603.915	24.8
L12	57992.44	-53.5	57992.44	-50	78	386596.669	6910611.81	53.5	00012N	34.8	99	56831.09	2.86	610	121016	386594.5287	6910612.727	24.8
L12	58004.24	-55.6	58004.24	-44	81	386601.801	6910618.02	55.6	00012N	36.4	99	56842.69	2.83	620	121114	386600.262	6910618.654	24.8
L12	58034.87	-57.3	58034.87	-25	98	386608.683	6910626.33	57.3	00012N	34.2	99	56872.85	3.12	630	121225	386608.6573	6910625.851	24.8
L12	58041.31	-57.4	58041.31	-44	92	386615.699	6910634.81	57.4	00012N	39.7	99	56879.19	3.16	640	121301	386614.5678	6910635.449	24.8
L12	58029.65	-55.9	58029.65	-20	110	386620.673	6910640.82	55.9	00012N	34.1	99	56867.65	3.45	650	121349	386617.1527	6910643.01	24.8
L12	58001.91	-31.2	58001.91	-27	58	386628.507	6910650.29	31.2	00012N	17.3	99	56839.91	3.97	660	121529	386628.2193	6910649.007	24.8
L12	58006.45	-29.2	58006.45	-27	59	386633.963	6910656.89	29.2	00012N	17.9	99	56844.16	4.01	670	121609	386632.736	6910656.52	24.8
L12	58211.24	-25.4	58211.24	-34	58	386639.849	6910664	25.4	00012N	15.7	99	57048.61	4.19	680	121658	386639.759	6910662.854	24.8
L12	58187.84	-22.2	58187.84	-20	63	386649.182	6910675.28	22.2	00012N	15.6	99	57025.08	4.12	690	121723	386645.2493	6910676.808	24.8
L12	58149.36	-16.8	58149.36	-43	56	386653.03	6910679.93	16.8	00012N	11.5	99	56986.58	4.36	700	121754	386650.1987	6910680.514	24.8
L12	58087.92	-11	58087.92	-22	64	386661.312	6910689.94	11	00012N	6.6	99	56925.12	4.17	710	121835	386659.3893	6910690.136	24.8
L12	58027.32	-7.4	58027.32	-7	65	386666.677	6910696.43	7.4	00012N	3.3	99	56864.49	4.04	720	121902	386665.0593	6910696.629	24.8
L12	58031.72	-2.7	58031.72	-23	61	386673.172	6910704.28	2.7	00012N	-2.9	99	56868.79	4.04	730	121942	386671.3973	6910704.919	24.8
L12	58027.8	-1.2	58027.8	-41	51	386678.248	6910710.41	1.2	00012N	-3.8	99	56864.64	4.06	740	122013	386676.462	6910711.311	24.8
L12	58134.33	-2.4	58134.33	-48	44	386687.905	6910722.08	2.4	00012N	-4.7	99	56970.85	4.04	750	122109	386689.4337	6910719.824	24.8
L12	58054.3	-2.1	58054.3	-90	87	386691.446	6910726.36	2.1	00012N	-2.4	99	56890.76	3.87	760	122133	386692.884	6910724.348	24.8
L12	58189.89	-4.8	58189.89	-75	91	386697.666	6910733.88	4.8	00012N	-1.7	99	57026.3	3.65	770	122204	386698.17	6910732.83	24.8
L12	58084.21	-8.2	58084.21	-40	107	386705.297	6910743.1	8.2	00012N	0.7	99	56920.55	3.54	780	122249	386706.1513	6910742.137	24.8
L12	58070.38	-9.5	58070.38	-80	87	386711.898	6910751.08	9.5	00012N	0.9	99	56906.72	3.64	790	122314	386712.482	6910750.645	24.8
L12	58060.94	-9.7	58060.94	-23	110	386717.73	6910758.13	9.7	00012N	1.4	99	56897.12	3.46	800	122339	386717.783	6910758.372	24.8
L12	58048.55	-9.7	58048.55	-73	96	386723.442	6910765.03	9.7	00012N	1.6	99	56884.62	3.71	810	122404	386724.3893	6910764.742	24.8
L12	58094.97	-10.9	58094.97	-55	102	386730.459	6910773.51	10.9	00012N	-1.7	99	56930.89	3.58	820	122427	386730.04	6910774.498	24.8
L12	58163.1	-11.3	58163.1	-31	106	386735.953	6910780.15	11.3	00012N	-1.4	99	56999.01	3.4	830	122453	386734.702	6910781.994	24.8
L12	58312.52	-13.3	58312.52	-63	95	386743.26	6910788.99	13.3	00012N	1.1	99	57148.31	3.51	840	122519	386745.218	6910787.213	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L12	58110.12	-14.4	58110.12	-71	94	386749.905	6910797.02	14.4	00012N	0.5	99	56945.79	3.64	850	122544	386749.8197	6910796.847	24.8
L12	58238.74	-16.5	58238.74	-29	107	386755.605	6910803.91	16.5	00012N	1.3	99	57074.44	3.43	860	122604	386755.55	6910803.99	24.8
L12	58238.68	-16.2	58238.68	-43	104			16.2	00012N	1.3	99	57074.36	3.47	860	122611	386755.7033	6910804.017	24.8
L13	58987.36	25.3	58987.36	0	66	386284.79	6910075.99	-25.3	00013N	-5.1	99	57827.08	4.08	0	112831	386284.7917	6910075.992	24.8
L13	58927.17	24.8	58927.17	-33	57	386290.995	6910083.53	-24.8	00013N	-4.9	99	57766.98	4.11	10	112804	386288.49	6910085.44	24.8
L13	58818.78	26.2	58818.78	-25	122	386296.819	6910090.6	-26.2	00013N	-8.2	99	57658.59	3.85	20	112741	386296.7593	6910090.165	24.8
L13	58796.17	26.9	58796.17	-56	114	386302.924	6910098.02	-26.9	00013N	-9.1	99	57635.95	3.92	30	112718	386302.17	6910098.555	24.8
L13	58874.41	27	58874.41	-79	100	386309.597	6910106.12	-27	00013N	-8.9	99	57714.21	3.92	40	112654	386308.01	6910107.774	24.8
L13	58781.79	28	58781.79	-35	116	386316.535	6910114.55	-28	00013N	-11.4	99	57621.66	3.73	50	112627	386317.22	6910114.4	24.8
L13	58742.41	27.4	58742.41	-34	111	386322.515	6910121.81	-27.4	00013N	-13.5	99	57582.28	3.59	60	112559	386322.8078	6910122.424	24.8
L13	58696.87	27.1	58696.87	-42	107	386328.032	6910128.51	-27.1	00013N	-15.1	99	57536.79	3.56	70	112534	386327.8333	6910129.918	24.8
L13	58852.37	27.5	58852.37	-54	104	386333.978	6910135.74	-27.5	00013N	-15.2	99	57692.34	3.61	80	112512	386334.1263	6910137.33	24.8
L13	58871	25.2	58871	-47	100	386341.566	6910144.95	-25.2	00013N	-17.5	99	57711.08	3.41	90	112420	386340.6	6910147.916	24.8
L13	58766.66	23.4	58766.66	-32	105	386347.614	6910152.3	-23.4	00013N	-18.1	99	57606.95	3.39	100	112350	386349.3683	6910152.492	24.8
L13	58662.52	22.5	58662.52	0	107	386352.788	6910158.58	-22.5	00013N	-18.5	99	57502.93	3.3	110	112323	386353.518	6910159.866	24.8
L13	58550.15	21.6	58550.15	-43	99	386359.225	6910166.4	-21.6	00013N	-17.8	99	57390.69	3.33	120	112254	386359.118	6910168.778	24.8
L13	58562.49	20.2	58562.49	-28	101	386365.989	6910174.62	-20.2	00013N	-17.5	99	57403.14	3.24	130	112224	386368.692	6910174.318	24.8
L13	58575.61	18.4	58575.61	-32	100	386373.294	6910183.49	-18.4	00013N	-17.9	99	57416.4	3.24	140	112145	386373.7987	6910185.117	24.8
L13	58460.35	15.7	58460.35	-78	75	386379.436	6910190.95	-15.7	00013N	-15.8	99	57301.2	3.35	150	112108	386381.0277	6910192.091	24.8
L13	58377.58	15.2	58377.58	-54	92	386384.947	6910197.64	-15.2	00013N	-15.7	99	57218.57	3.3	160	112026	386386.54	6910199.22	24.8
L13	58235.35	14	58235.35	-33	97	386391.044	6910205.05	-14	00013N	-16.7	99	57076.5	3.15	170	111941	386390.5573	6910208.345	24.8
L13	58379.02	12.2	58379.02	-37	95	386396.984	6910212.26	-12.2	00013N	-16.6	99	57220.32	3.16	180	111854	386398.1733	6910214.374	24.8
L13	58336.18	11.8	58336.18	-26	100	386402.202	6910218.6	-11.8	00013N	-15.1	99	57177.57	3.19	190	111813	386404.0517	6910220.56	24.8
L13	58502.61	9.6	58502.61	-48	93	386409.585	6910227.57	-9.6	00013N	-15.5	99	57344.33	3.22	200	111639	386412.4307	6910229.251	24.8
L13	58363.15	8.7	58363.15	-45	96	386416.166	6910235.56	-8.7	00013N	-13.9	99	57205.13	3.26	210	111541	386418.8033	6910237.925	24.8
L13	58307.29	9.3	58307.29	-55	91	386422.866	6910243.7	-9.3	00013N	-16.6	99	57149.48	3.29	220	111448	386424.694	6910247.162	24.8
L13	58371.79	8.7	58371.79	-29	99	386427.444	6910249.26	-8.7	00013N	-18.8	99	57214	3.17	230	111351	386430.238	6910252.194	24.8
L13	58237.45	7.8	58237.45	-50	92	386434.606	6910257.96	-7.8	00013N	-17.6	99	57079.86	3.25	240	111256	386435.384	6910262.714	24.8
L13	58007.83	7.3	58007.83	-27	98	386441.722	6910266.6	-7.3	00013N	-17.4	99	56850.22	3.13	250	111152	386444.23	6910270.277	24.8
L13	58071.15	7.3	58071.15	-33	99	386447.545	6910273.68	-7.3	00013N	-17.6	99	56913.63	3.22	260	111103	386450.6473	6910277.31	24.8
L13	58285.97	6.1	58285.97	-36	97	386453.052	6910280.36	-6.1	00013N	-18.7	99	57128.6	3.19	270	111016	386454.529	6910285.437	24.8
L13	58069.9	6.4	58069.9	-36	96	386460.185	6910289.03	-6.4	00013N	-17.8	99	56912.38	3.16	280	110929	386462.056	6910294.348	24.8
L13	58039.5	8.5	58039.5	-59	87	386466.261	6910296.41	-8.5	00013N	-19.1	99	56881.98	3.24	290	110852	386470.1267	6910300.143	24.8
L13	57994.52	9.3	57994.52	-53	90	386472.565	6910304.07	-9.3	00013N	-19.1	99	56837.03	3.22	300	110806	386477.128	6910307.709	24.8
L13	57880.92	13.5	57880.92	-10	103	386478.158	6910310.86	-13.5	00013N	-24.3	99	56723.53	3.21	310	110712	386481.3147	6910315.841	24.8
L13	58008.27	14.4	58008.27	-50	85	386483.856	6910317.78	-14.4	00013N	-27.7	99	56851.1	3.06	320	110624	386487.45	6910322.855	24.8
L13	57956.63	14.6	57956.63	-47	83	386491.69	6910327.3	-14.6	00013N	-27.5	99	56799.57	2.96	330	110531	386495.1093	6910333.123	24.8
L13	58170.53	15.8	58170.53	-52	79	386496.633	6910333.3	-15.8	00013N	-27.2	99	57013.52	2.93	340	110441	386499.9967	6910339.562	24.8
L13	58173.48	9.9	58173.48	-36	80	386503.087	6910341.14	-9.9	00013N	-26.2	99	57016.48	2.71	350	110334	386507.02	6910347.44	24.8
L13	57994.79	7.6	57994.79	-8	86	386509.408	6910348.82	-7.6	00013N	-22.3	99	56837.89	2.68	360	110234	386514.6513	6910354.412	24.8
L13	58008.23	4.1	58008.23	-17	82	386515.045	6910355.66	-4.1	00013N	-20	99	56851.39	2.6	370	110148	386518.5233	6910362.778	24.8
L13	57931.11	2.4	57931.11	-25	81	386521.473	6910363.47	-2.4	00013N	-15.1	99	56774.4	2.64	380	110103	386526.1347	6910370.027	24.8
L13	57740.52	-0.1	57740.52	-38	78	386528.028	6910371.43	0.1	00013N	-13.2	99	56583.93	2.69	390	110022	386531.635	6910379.228	24.8
L13	57602.43	-0.2	57602.43	-64	63	386534.558	6910379.36	0.2	00013N	-11.9	99	56445.93	2.76	400	105933	386540.125	6910385.705	24.8
L13	57590.35	0.5	57590.35	-29	78	386539.917	6910385.87	-0.5	00013N	-12.8	99	56433.92	2.57	410	105860	386545.7337	6910392.439	24.8
L13	57703.9	2.4	57703.9	-43	70	386546.145	6910393.44	-2.4	00013N	-14	99	56547.64	2.55	420	105823	386553.4147	6910399.127	24.8
L13	57905.89	1.2	57905.89	-2	79	386553.089	6910401.87	-1.2	00013N	-14.4	99	56749.85	2.43	430	105741	386556.338	6910410.1	24.8
L13	57737.04	0.4	57737.04	-57	58	386557.873	6910407.68	-0.4	00013N	-10.2	99	56581.17	2.53	440	105709	386562.985	6910414.225	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L13	57695.35	-1.9	57695.35	-43	64	386564.559	6910415.8	1.9	00013N	-7.8	99	56539.66	2.39	450	105631	386571.11	6910421.541	24.8
L13	57842.9	-12.3	57842.9	-24	71	386587.305	6910443.43	12.3	00013N	8.6	99	56688.9	2.33	480	105027	386593.5667	6910451.194	24.8
L13	57881.02	-13.3	57881.02	-50	59	386590.872	6910447.76	13.3	00013N	8.8	99	56727.18	2.39	490	104950	386593.1187	6910457.009	24.8
L13	57952.56	-17.2	57952.56	-57	56	386598.407	6910456.92	17.2	00013N	9.1	99	56798.89	2.49	500	104915	386602.712	6910464.742	24.8
L13	58063.41	-17	58063.41	-38	64	386603.268	6910462.82	17	00013N	9.7	99	56909.92	2.31	510	104842	386608.387	6910470.309	24.8
L13	58107	-20.5	58107	20	71	386608.103	6910468.69	20.5	00013N	14.9	99	56953.7	2.27	520	104735	386613.666	6910476.195	24.8
L13	58153.87	-24.7	58157.6064	14	69	386610.603	6910471.73	-24.7	00013N	-15.6	99	56970.87	2.18	520	154644	386617.7467	6910476.439	24.8
L13	58229.99	-28	58233.7264	23	68	386617.247	6910479.8	-28	00013N	-18.7	99	57047.05	2.23	530	154557	386618.3733	6910487.287	24.8
L13	58265.82	-31.8	58269.5564	36	66	386623.308	6910487.16	-31.8	00013N	-20.4	99	57082.82	2.32	540	154531	386627.5613	6910491.002	24.8
L13	58303.87	-35.6	58307.6064	31	67	386631.335	6910496.91	-35.6	00013N	-22.6	99	57120.86	2.28	550	154449	386634.67	6910502.037	24.8
L13	58215.61	-39.6	58219.3464	59	53	386635.508	6910501.98	-39.6	00013N	-22.9	99	57032.51	2.46	560	154413	386638.3807	6910507.764	24.8
L13	58178.14	-46	58181.8764	33	73	386644.919	6910513.41	-46	00013N	-30.2	99	56995.05	2.47	570	154330	386649.8037	6910518.078	24.8
L13	58134.07	-51.4	58137.8064	59	68	386650.013	6910519.6	-51.4	00013N	-32.5	99	56950.74	2.77	580	154251	386651.1473	6910526.299	24.8
L13	58125.89	-53	58129.6264	57	67	386652.886	6910523.09	-53	00013N	-31.6	99	56942.75	2.72	590	154230	386655.6523	6910524.971	24.8
L13	58131.22	-45.3	58134.9564	46	93	386663.189	6910535.6	-45.3	00013N	-25	99	56947.9	3.21	600	154147	386667.042	6910537.388	24.8
L13	58135.49	-40.9	58139.2264	57	87	386670.135	6910544.04	-40.9	00013N	-24.1	99	56952.19	3.2	610	154124	386671.79	6910547.707	24.8
L13	58070	-29.9	58073.7364	69	82	386677.588	6910553.09	-29.9	00013N	-22.1	99	56886.43	3.32	620	154032	386677.737	6910558.345	24.8
L13	58090.14	-29	58093.8764	58	89	386680.529	6910556.66	-29	00013N	-23.2	99	56906.5	3.27	630	153956	386681.868	6910560.806	24.8
L13	58079.22	-25.3	58082.9564	60	88	386687.785	6910565.48	-25.3	00013N	-23.1	99	56895.23	3.29	640	153919	386688.632	6910570.555	24.8
L13	58040.07	-26.2	58043.8064	10	106	386697.286	6910577.02	-26.2	00013N	-24.1	99	56855.43	3.28	650	153822	386702.5893	6910577.383	24.8
L13	57991.72	-23.8	57995.4564	60	91	386704.45	6910585.72	-23.8	00013N	-24.4	99	56806.98	3.37	660	153750	386703.438	6910589.067	24.8
L13	57965.28	-22.6	57969.0164	83	77	386710.325	6910592.85	-22.6	00013N	-23.9	99	56780.87	3.48	670	153712	386711.4367	6910594.39	24.8
L13	57949.57	-21.7	57953.3064	60	94	386715.824	6910599.53	-21.7	00013N	-21.6	99	56765.26	3.45	680	153646	386716.3507	6910601.919	24.8
L13	57900.4	-19.1	57904.1364	64	91	386722.461	6910607.59	-19.1	00013N	-20.9	99	56715.93	3.45	690	153611	386722.232	6910611.042	24.8
L13	57861.07	-20.7	57864.8064	58	93	386729.808	6910616.52	-20.7	00013N	-23.3	99	56676.31	3.4	700	153528	386732.9893	6910616.393	24.8
L13	57981.08	-21.7	57984.8164	45	99	386736.439	6910624.57	-21.7	00013N	-24.6	99	56796.29	3.36	710	153458	386735.7203	6910626.887	24.8
L13	58099.29	-21.2	58103.0264	78	86	386742.155	6910631.52	-21.2	00013N	-22.5	99	56914.19	3.58	720	153414	386741.085	6910634.542	24.8
L13	58048.8	-19.2	58052.5364	87	80	386749.383	6910640.29	-19.2	00013N	-17.5	99	56863.97	3.66	730	153335	386752.9033	6910634.413	24.8
L13	58192.08	-18.7	58195.8164	60	99	386758.795	6910651.73	-18.7	00013N	-17.4	99	57006.86	3.58	740	153246	386756.1587	6910649.457	24.8
L13	58120.09	-18.5	58123.8264	54	104	386765.005	6910659.27	-18.5	00013N	-16.6	99	56934.82	3.62	750	153214	386763.1653	6910656.809	24.8
L13	58350.13	-17.1	58353.8664	47	109	386770.389	6910665.81	-17.1	00013N	-13.7	99	57165.13	3.66	760	153133	386768.22	6910664.017	24.8
L13	58388.88	-15.3	58392.6164	69	98	386774.873	6910671.25	-15.3	00013N	-10	99	57204.42	3.7	770	152758	386773.1407	6910669.453	24.8
L13	58320.63	-13	58324.3664	80	90	386783.03	6910681.16	-13	00013N	-6	99	57135.9	3.72	780	152727	386779.85	6910680.981	24.8
L13	58224.85	-10.6	58228.5864	82	88	386789.02	6910688.44	-10.6	00013N	-3.3	99	57040.08	3.71	790	152660	386787.8991	6910686.564	24.8
L13	58278.73	-13.1	58282.4664	25	111	386794.413	6910694.99	-13.1	00013N	-2.5	99	57093.93	3.5	800	152634	386794.317	6910692.613	24.8
L13	58569.33	-13.4	58573.0664	19	111	386799.918	6910701.68	-13.4	00013N	-3	99	57384.32	3.48	810	152610	386800.2033	6910699.425	24.8
L13	58408.26	-14	58411.9964	34	111	386807.104	6910710.4	-14	00013N	-3.1	99	57223.42	3.59	820	152537	386805.134	6910710.092	24.8
L13	58244.74	-12	58248.4764	99	65	386812.003	6910716.35	-12	00013N	-5.3	99	57059.71	3.67	830	152505	386808.197	6910717.495	24.8
L13	58058.32	-13.1	58062.0564	77	92	386819.857	6910725.89	-13.1	00013N	-4.1	99	56873.25	3.72	840	152427	386819.0947	6910724.29	24.8
L13	58188.38	-13.3	58192.1164	50	106	386826.014	6910733.37	-13.3	00013N	-1.9	99	57003.21	3.62	850	152403	386826.2603	6910731.364	24.8
L13	58253.61	-12	58257.3464	43	106	386832.726	6910741.52	-12	00013N	0	99	57068.53	3.54	860	152336	386830.8847	6910741.317	24.8
L13	58178.55	-12.7	58182.2864	63	97	386837.707	6910747.57	-12.7	00013N	-1.5	99	56993.66	3.56	870	152306	386836.1113	6910747.566	24.8
L13	58027.25	-13.2	58030.9864	77	90	386843.855	6910755.04	-13.2	00013N	-1.6	99	56842.26	3.65	880	152242	386841.465	6910756.075	24.8
L13	57944.12	-11.6	57947.8564	114	53	386851.705	6910764.58	-11.6	00013N	-1.8	99	56759.17	3.87	890	152158	386850.271	6910765.416	24.8
L13	57877.55	-11.4	57881.2864	73	99	386858.127	6910772.38	-11.4	00013N	0.2	99	56692.67	3.81	900	152123	386858.134	6910772.378	24.8
L14	58697.12	23.7	58700.8564	114	70	386361.77	6910013.55	23.7	00014N	4.9	99	57506.79	4.13	0	140311	386361.768	6910013.548	24.8
L14	58934.68	23	58938.4164	41	115	386367.99	6910021.1	23	00014N	8.4	99	57744.53	3.77	10	140401	386368.94	6910020.74	24.8
L14	59044.62	23.8	59048.3564	64	105	386373.562	6910027.86	23.8	00014N	6.9	99	57854.37	3.81	20	140425	386372.9493	6910028.906	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L14	58863.96	22.9	58867.6964	37	116	386379.496	6910035.06	22.9	00014N	5.9	99	57673.98	3.75	30	140447	386379.4827	6910036.062	24.8
L14	58935.46	21.7	58939.1964	41	114	386385.511	6910042.35	21.7	00014N	5.7	99	57745.41	3.75	40	140512	386386.198	6910043.23	24.8
L14	58872.82	22.1	58876.5564	59	104	386391.53	6910049.65	22.1	00014N	8.2	99	57682.94	3.68	50	140541	386393.53	6910049.774	24.8
L14	59024.84	24.4	59028.5764	46	109	386398.583	6910058.21	24.4	00014N	11.1	99	57834.87	3.66	60	140609	386400.924	6910058.604	24.8
L14	58879.59	25.3	58883.3264	-9	114	386405.973	6910067.18	25.3	00014N	13.7	99	57689.81	3.53	70	140633	386404.8723	6910070.006	24.8
L14	58587.93	24	58591.6664	35	108	386411.405	6910073.77	24	00014N	15.4	99	57398.21	3.49	80	140657	386411.774	6910075.576	24.8
L14	58438.89	23.5	58442.6264	62	97	386417.299	6910080.92	23.5	00014N	14.8	99	57249.32	3.55	90	140722	386418.98	6910081.957	24.8
L14	58273.62	23.1	58277.3564	37	105	386422.826	6910087.62	23.1	00014N	17	99	57084.13	3.43	100	140748	386424.45	6910089.135	24.8
L14	58215.43	23.3	58219.1664	51	97	386430.079	6910096.42	23.3	00014N	17.5	99	57026.14	3.4	110	140812	386431.4817	6910098.663	24.8
L14	58188.78	23.4	58192.5164	38	103	386436.634	6910104.37	23.4	00014N	18.8	99	56999.48	3.4	120	140835	386439.7857	6910105.416	24.8
L14	58289.54	22.3	58293.2764	24	106	386442.647	6910111.67	22.3	00014N	19.6	99	57100.25	3.35	130	140855	386443.395	6910114.547	24.8
L14	58080.94	21.1	58084.6764	36	103	386448.996	6910119.37	21.1	00014N	18.7	99	56891.86	3.36	140	140917	386451.334	6910121.216	24.8
L14	58221	20.9	58224.7364	29	105	386455.518	6910127.28	20.9	00014N	21.8	99	57031.95	3.37	150	140944	386456.562	6910130.494	24.8
L14	58289.76	18.1	58293.4964	58	90	386460.996	6910133.93	18.1	00014N	22	99	57100.54	3.3	160	141005	386463.3397	6910136.329	24.8
L14	58362.97	18.8	58366.7064	54	91	386467.08	6910141.31	18.8	00014N	21.1	99	57173.79	3.27	170	141034	386468.743	6910144.667	24.8
L14	58443.95	18.5	58447.6864	27	100	386473.818	6910149.48	18.5	00014N	21.5	99	57255.02	3.2	180	141110	386478.24	6910150.22	24.8
L14	58573.2	16	58576.9364	65	84	386479.515	6910156.4	16	00014N	22.5	99	57384.44	3.27	190	141143	386480.3907	6910159.271	24.8
L14	58577.44	16.8	58581.1764	17	100	386487.181	6910165.7	16.8	00014N	21.4	99	57389.11	3.13	200	141221	386491.312	6910165.388	24.8
L14	58577.81	14.7	58581.5464	12	103	386493.816	6910173.75	14.7	00014N	19.3	99	57389.51	3.19	210	141247	386494.1537	6910175.842	24.8
L14	58444.42	13.2	58448.1564	23	101	386499.642	6910180.81	13.2	00014N	15.6	99	57256.37	3.21	220	141313	386500.1633	6910183.217	24.8
L14	58246	11.6	58249.7364	23	102	386505.968	6910188.49	11.6	00014N	14.5	99	57058.11	3.22	230	141339	386507.181	6910190.796	24.8
L14	57903.58	16.1	57907.3164	11	103	386512.748	6910196.71	16.1	00014N	17.7	99	56715.72	3.2	240	141411	386515.056	6910198.576	24.8
L14	58036.32	15.1	58040.0564	49	91	386518.913	6910204.19	15.1	00014N	17.6	99	56848.7	3.18	250	141437	386520.967	6910206.726	24.8
L14	58162.99	15.8	58166.7264	30	98	386525.441	6910212.11	15.8	00014N	17.7	99	56975.28	3.16	260	141504	386527.326	6910215.279	24.8
L14	58074.27	17.6	58078.0064	35	97	386530.134	6910217.81	17.6	00014N	19.2	99	56886.56	3.17	270	141532	386531.378	6910221.784	24.8
L14	58420.64	22.1	58424.3764	38	92	386536.499	6910225.53	22.1	00014N	23.3	99	57233.18	3.08	280	141601	386538.7886	6910229.07	24.8
L14	58208.6	20.1	58212.3364	25	95	386544.053	6910234.69	20.1	00014N	19.6	99	57021.11	3.04	290	141631	386549.07	6910235.885	24.8
L14	58258.32	20.3	58262.0564	22	93	386549.87	6910241.75	20.3	00014N	21	99	57070.93	2.94	300	141657	386551.574	6910245.047	24.8
L14	58207.14	20.3	58210.8764	14	93	386557.065	6910250.48	20.3	00014N	20.7	99	57019.85	2.9	310	141726	386560.8957	6910252.199	24.8
L14	58165.1	18.5	58168.8364	27	89	386562.805	6910257.44	18.5	00014N	18.1	99	56977.88	2.87	320	141756	386567.0447	6910259.271	24.8
L14	57971.42	16.9	57975.1564	49	78	386568.954	6910264.9	16.9	00014N	16.3	99	56784.21	2.87	330	141820	386571.19	6910268.416	24.8
L14	57963.46	20.9	57967.1964	15	89	386575.649	6910273.02	20.9	00014N	17.6	99	56776.54	2.8	340	141853	386580.7793	6910273.664	24.8
L14	58020.27	23.6	58024.0064	29	85	386581.869	6910280.57	23.6	00014N	20.8	99	56833.54	2.76	350	141923	386583.088	6910283.555	24.8
L14	58156.67	27	58160.4064	15	81	386587.719	6910287.67	27	00014N	25.3	99	56969.95	2.56	360	141955	386590.9767	6910288.942	24.8
L14	58343.14	24.1	58346.8764	18	78	386595.596	6910297.22	24.1	00014N	25.4	99	57156.76	2.48	370	142027	386596.58	6910300.518	24.8
L14	58307.22	18.9	58310.9564	14	72	386601.002	6910303.78	18.9	00014N	24.7	99	57120.92	2.25	380	142058	386603.3701	6910306.158	24.8
L14	58235.52	14.1	58239.2564	14	72	386608.247	6910312.57	14.1	00014N	19.5	99	57049.26	2.26	390	142128	386608.97	6910316.58	24.8
L14	58112.76	10.5	58116.4964	3	71	386614.049	6910319.61	10.5	00014N	19	99	56926.51	2.19	400	142153	386616.3383	6910322.535	24.8
L14	58129.31	7.2	58133.0464	16	69	386620.246	6910327.13	7.2	00014N	17.8	99	56943.3	2.18	410	142227	386624.0893	6910329.039	24.8
L14	58119.1	3.6	58122.8364	22	66	386625.71	6910333.76	3.6	00014N	15.4	99	56933.44	2.14	420	142255	386628.222	6910336.945	24.8
L14	58187.43	-1.8	58191.1664	30	61	386631.98	6910341.36	-1.8	00014N	12.2	99	57001.78	2.1	430	142327	386632.712	6910346.146	24.8
L14	58160.56	-11.2	58164.2964	12	63	386639.19	6910350.11	-11.2	00014N	5.7	99	56975.12	2	440	142356	386642.8413	6910352.146	24.8
L14	58115.03	-18.3	58118.7664	36	56	386645.811	6910358.14	-18.3	00014N	1.1	99	56929.61	2.05	450	142427	386649.8427	6910360.385	24.8
L14	57751.33	-30.4	57755.0664	43	63	386668.551	6910385.73	-30.4	00014N	-12	99	56566.22	2.36	490	142935	386672.978	6910389.426	24.8
L14	57863.65	-25.2	57867.3864	36	71	386676.041	6910394.82	-25.2	00014N	-8.5	99	56678.66	2.45	500	143026	386680.3753	6910399.165	24.8
L14	57899.3	-24.4	57903.0364	27	70	386681.755	6910401.75	-24.4	00014N	-8.8	99	56713.86	2.32	510	143112	386685.978	6910406.627	24.8
L14	58021.8	-33.6	58025.5364	46	61	386691.257	6910413.28	-33.6	00014N	-17.6	99	56836.89	2.37	520	144001	386694.9634	6910419.274	24.8
L14	58030.62	-33.8	58034.3564	64	48	386694.595	6910417.33	-33.8	00014N	-16.9	99	56845.91	2.49	530	144030	386699.3337	6910422.532	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L14	58127.41	-42	58131.1464	-13	78	386699.775	6910423.61	-42	00014N	-29.8	99	56942.29	2.45	540	144228	386706.7893	6910426.526	24.8
L14	58142.98	-40.5	58146.7164	-13	86	386708.924	6910434.71	-40.5	00014N	-27.9	99	56957.48	2.69	550	144341	386716.6517	6910437.748	24.8
L14	58115.79	-35.4	58119.5264	48	81	386715	6910442.08	-35.4	00014N	-23.5	99	56930.49	2.92	560	144426	386719.95	6910447.104	24.8
L14	58095.36	-32.3	58099.0964	74	73	386721.063	6910449.44	-32.3	00014N	-20.1	99	56910.3	3.21	570	144652	386726.83	6910454.223	24.8
L14	58090.07	-29.3	58093.8064	42	89	386725.779	6910455.16	-29.3	00014N	-20.7	99	56904.17	3.06	580	144729	386733.542	6910457.998	24.8
L14	58073.19	-21.4	58076.9264	64	79	386734.811	6910466.12	-21.4	00014N	-16.5	99	56887.21	3.13	590	144821	386740.9107	6910470.773	24.8
L14	58070.72	-23.5	58074.4564	58	80	386739.6	6910471.93	-23.5	00014N	-19.3	99	56884.66	3.06	600	144848	386745.3327	6910477.223	24.8
L14	58061.73	-23.1	58065.4664	72	68	386744.951	6910478.42	-23.1	00014N	-20.2	99	56875.6	3.06	610	144953	386751.702	6910483.202	24.8
L14	58039.33	-25.9	58043.0664	47	85	386751.96	6910486.92	-25.9	00014N	-24.2	99	56853.42	3	620	145214	386759.331	6910491.733	24.8
L14	58030.89	-26.5	58034.6264	41	87	386757.83	6910494.04	-26.5	00014N	-24.3	99	56844.81	2.96	630	145249	386766.374	6910498.235	24.8
L14	58004.63	-26.9	58008.3664	58	79	386762.159	6910499.29	-26.9	00014N	-25.4	99	56818.43	3.03	640	145343	386771.359	6910503.246	24.8
L14	58029.44	-28.5	58033.1764	54	85	386770.764	6910509.73	-28.5	00014N	-25.1	99	56843.31	3.11	650	145444	386772.5297	6910517.248	24.8
L14	57964.05	-29.2	57967.7864	48	89	386777.33	6910517.7	-29.2	00014N	-24.6	99	56778.31	3.12	660	145537	386782.915	6910519.914	24.8
L14	58089.29	-26.4	58093.0264	92	58	386784.609	6910526.53	-26.4	00014N	-21.2	99	56903.63	3.36	670	145911	386792.812	6910526.495	24.8
L14	57923.47	-28	57927.2064	20	100	386794.899	6910539.01	-28	00014N	-24.1	99	56737.47	3.14	680	150049	386794.001	6910543.254	24.8
L14	58097.78	-28.7	58101.5164	78	79	386801.628	6910547.18	-28.7	00014N	-23.8	99	56911.96	3.42	690	150226	386804.0883	6910547.61	24.8
L14	58144.22	-30.9	58147.9564	47	95	386806.813	6910553.47	-30.9	00014N	-25.3	99	56958.4	3.28	700	150326	386806.3883	6910555.758	24.8
L14	58039.96	-32	58043.6964	60	91	386814.192	6910562.42	-32	00014N	-27.7	99	56854.42	3.36	710	150401	386813.614	6910565.399	24.8
L14	57919.21	-33.3	57922.9464	65	91	386817.97	6910567	-33.3	00014N	-25.5	99	56733.6	3.47	720	150450	386818.5173	6910569.141	24.8
L14	57957.03	-33.9	57960.7664	70	88	386825.334	6910575.94	-33.9	00014N	-24.3	99	56771.31	3.48	730	150534	386829.72	6910573.513	24.8
L14	57886.07	-30.5	57889.8064	28	109	386830.81	6910582.58	-30.5	00014N	-19	99	56700.2	3.47	740	150617	386832.9927	6910581.833	24.8
L14	57958.83	-30.1	57962.5664	47	103	386839.021	6910592.54	-30.1	00014N	-20.5	99	56772.81	3.5	750	150705	386838.329	6910594.133	24.8
L14	58083.63	-28.4	58087.3664	70	97	386844.142	6910598.75	-28.4	00014N	-17.2	99	56897.37	3.7	760	150758	386842.1027	6910601.595	24.8
L14	58029.99	-29.9	58033.7264	57	100	386852.528	6910608.93	-29.9	00014N	-18.5	99	56843.77	3.57	770	150903	386855.275	6910605.335	24.8
L14	58135.21	-28.9	58138.9464	67	97	386858.421	6910616.08	-28.9	00014N	-16.5	99	56948.68	3.65	780	150943	386859.344	6910614.055	24.8
L14	58218.48	-27.2	58222.2164	42	112	386868.278	6910628.03	-27.2	00014N	-12.3	99	57032.02	3.69	790	151048	386866.45	6910628.496	24.8
L14	58089.93	-25.6	58093.6664	69	98	386871.851	6910632.37	-25.6	00014N	-9.8	99	56903.99	3.71	800	151124	386871.7533	6910630.927	24.8
L14	58111.35	-23.5	58115.0864	96	80	386877.904	6910639.71	-23.5	00014N	-8.3	99	56925.2	3.87	810	151158	386879.09	6910637.55	24.8
L14	58283.62	-23.9	58287.3564	80	96	386883.86	6910646.94	-23.9	00014N	-5.8	99	57097.65	3.86	820	151241	386886.358	6910644.012	24.8
L14	58354.61	-25	58358.3464	74	99	386890.951	6910655.54	-25	00014N	-6.6	99	57168.8	3.82	830	151312	386889.679	6910655.105	24.8
L14	58491.98	-24.6	58495.7164	59	106	386897.21	6910663.13	-24.6	00014N	-6.1	99	57306.49	3.75	840	151349	386898.47	6910660.316	24.8
L14	58316.63	-22.9	58320.3664	22	120	386904.196	6910671.61	-22.9	00014N	-4.6	99	57131.01	3.77	850	151421	386904.645	6910669.908	24.8
L14	58190.95	-20.7	58194.6864	14	121	386909.648	6910678.22	-20.7	00014N	-1.2	99	57005.09	3.76	860	151450	386911.6967	6910675.34	24.8
L14	58180.56	-19.7	58184.2964	40	120	386915.25	6910685.02	-19.7	00014N	-0.2	99	56994.68	3.9	870	151528	386914.963	6910683.885	24.8
L14	58138.45	-18.1	58142.1864	14	121	386923.573	6910695.12	-18.1	00014N	0.8	99	56952.62	3.75	880	151558	386924.35	6910693.711	24.8
L14	58387.36	-18	58391.0964	7	119	386929.942	6910702.84	-18	00014N	3.1	99	57201.73	3.68	890	151626	386930.453	6910702.132	24.8
L14	58411.72	-18.3	58415.4564	63	107	386934.529	6910708.41	-18.3	00014N	2.2	99	57226.39	3.83	900	151700	386934.534	6910708.413	24.8
L15	58798.2	21.4	58801.9364	20	120	386439.06	6909950.21	21.4	00015N	9	99	57608.81	3.77	0	135617	386439.056	6909950.205	24.8
L15	58555.28	20.1	58559.0164	60	108	386443.866	6909956.03	20.1	00015N	9.4	99	57365.9	3.81	10	135548	386444.143	6909956.033	24.8
L15	58364.05	21.8	58367.7864	31	118	386451.103	6909964.8	21.8	00015N	12.2	99	57174.62	3.75	20	135512	386451.106	6909965.369	24.8
L15	58203.29	21.4	58207.0264	37	116	386457.46	6909972.5	21.4	00015N	10.8	99	57014.02	3.76	30	135441	386457.8383	6909973.073	24.8
L15	58267.91	22	58271.6464	57	103	386462.734	6909978.88	22	00015N	12.6	99	57078.63	3.64	40	135359	386462.4384	6909980.208	24.8
L15	58549.8	22.7	58553.5364	74	97	386468.467	6909985.83	22.7	00015N	13.6	99	57360.43	3.77	50	135325	386467.1283	6909988.154	24.8
L15	58797.22	22.9	58800.9564	34	111	386475.629	6909994.5	22.9	00015N	13.1	99	57607.72	3.58	60	135248	386472.7373	6909998.225	24.8
L15	58808.41	20.8	58812.1464	74	93	386481.862	6910002.05	20.8	00015N	13.5	99	57618.93	3.68	70	135219	386480.435	6910004.658	24.8
L15	58699.93	20.9	58703.6664	72	94	386488.469	6910010.05	20.9	00015N	12.5	99	57510.02	3.66	80	135142	386488.2813	6910011.835	24.8
L15	58852.59	21.9	58856.3264	52	103	386495.398	6910018.45	21.9	00015N	13.2	99	57662.49	3.56	90	135058	386496.626	6910019.233	24.8
L15	58869.5	22.2	58873.2364	34	108	386501.594	6910025.95	22.2	00015N	15.3	99	57679.26	3.49	100	135024	386500.385	6910028.47	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L15	58920.68	20.8	58924.4164	50	101	386507.243	6910032.79	20.8	00015N	13.4	99	57730.15	3.48	110	134947	386507.6167	6910033.98	24.8
L15	58613.68	21	58617.4164	19	113	386513.519	6910040.39	21	00015N	10.6	99	57422.79	3.55	120	134908	386514.405	6910041.46	24.8
L15	58433.43	21.4	58437.1664	81	88	386519.197	6910047.27	21.4	00015N	9.6	99	57242.38	3.7	130	134826	386519.62	6910048.965	24.8
L15	58146.53	23.6	58150.2664	41	109	386526.217	6910055.77	23.6	00015N	15	99	56955.32	3.61	140	134730	386525.278	6910058.745	24.8
L15	58212.89	25.5	58216.6264	76	87	386533.302	6910064.36	25.5	00015N	16.9	99	57021.4	3.55	150	134637	386534.3273	6910065.683	24.8
L15	58057.48	25	58061.2164	70	94	386538.168	6910070.25	25	00015N	15.1	99	56866.07	3.61	160	134607	386537.316	6910072.922	24.8
L15	58242.47	25.9	58246.2064	55	96	386546.39	6910080.21	25.9	00015N	16.7	99	57051.13	3.42	170	134505	386548.046	6910080.668	24.8
L15	58278.3	26.5	58282.0364	53	97	386552.376	6910087.46	26.5	00015N	16.6	99	57087.31	3.42	180	134403	386554.2207	6910088.063	24.8
L15	58272.86	25.3	58276.5964	56	89	386558.081	6910094.37	25.3	00015N	18.7	99	57082.17	3.27	190	134321	386560.928	6910094.335	24.8
L15	58139.64	26	58143.3764	64	88	386564.544	6910102.2	26	00015N	15.9	99	56949.35	3.37	200	134160	386567.2292	6910102.61	24.8
L15	58231.79	24.4	58235.5264	57	91	386570.716	6910109.67	24.4	00015N	17.8	99	57041.74	3.32	210	134059	386570.4589	6910112.004	24.8
L15	58085.97	25.9	58089.7064	64	86	386577.749	6910118.19	25.9	00015N	15	99	56895.8	3.32	220	133952	386578.5033	6910119.969	24.8
L15	58014.38	26.2	58018.1164	88	67	386583.307	6910124.92	26.2	00015N	15.2	99	56824.13	3.43	230	133846	386585.818	6910125.117	24.8
L15	57889.87	29.3	57893.6064	-1	101	386590.496	6910133.63	29.3	00015N	16.6	99	56699.86	3.12	240	133812	386587.9067	6910136.497	24.8
L15	58024.91	36.2	58028.6464	23	98	386596.009	6910140.31	36.2	00015N	20.5	99	56834.72	3.12	250	133704	386595.11	6910141.68	24.8
L15	58181.07	35.8	58184.8064	37	89	386603.565	6910149.46	35.8	00015N	21.9	99	56990.04	2.96	260	133540	386600.984	6910152.328	24.8
L15	58097	35.6	58100.7364	36	85	386610.146	6910157.43	35.6	00015N	21.2	99	56905.45	2.86	270	133502	386609.618	6910158.463	24.8
L15	58197.85	37.1	58201.5864	22	87	386614.41	6910162.59	37.1	00015N	23.1	99	57006.2	2.78	280	133420	386612.2507	6910164.802	24.8
L15	58177.27	36	58181.0064	38	80	386621.857	6910171.61	36	00015N	21.4	99	56985.3	2.73	290	133308	386621.809	6910172.032	24.8
L15	58143.05	35.6	58146.7864	47	72	386628.705	6910179.91	35.6	00015N	21.8	99	56951.04	2.67	300	133220	386627.198	6910181.647	24.8
L15	58226.79	34.8	58230.5264	44	73	386635.181	6910187.75	34.8	00015N	23	99	57034.3	2.64	310	133126	386635.626	6910187.779	24.8
L15	58347.42	34.1	58351.1564	39	69	386642.799	6910196.98	34.1	00015N	24	99	57155.13	2.47	320	133027	386644.485	6910196.255	24.8
L15	58376.7	31.6	58380.4364	25	73	386647.638	6910202.84	31.6	00015N	25.2	99	57184.65	2.39	330	132949	386648.38	6910203	24.8
L15	58379.25	29.2	58382.9864	46	62	386652.26	6910208.44	29.2	00015N	23	99	57187.57	2.39	340	132854	386653.2	6910208.665	24.8
L15	58450.86	24.7	58454.5964	18	71	386660.589	6910218.53	24.7	00015N	21.5	99	57258.87	2.26	350	132804	386660.3853	6910219.983	24.8
L15	58370.7	20.8	58374.4364	37	65	386667.747	6910227.2	20.8	00015N	19.3	99	57178.06	2.31	360	132648	386669.83	6910226.58	24.8
L15	58394.5	16.1	58398.2364	46	57	386673.126	6910233.71	16.1	00015N	18.4	99	57202.23	2.26	370	132546	386674.3843	6910233.942	24.8
L15	58250.73	10.9	58254.4664	11	69	386680.44	6910242.57	10.9	00015N	13.9	99	57058.59	2.16	380	132435	386682.279	6910242.674	24.8
L15	58099.4	6.6	58103.1364	20	67	386686.742	6910250.2	6.6	00015N	11.3	99	56907.34	2.17	390	132354	386687.474	6910251.385	24.8
L15	58028.3	4	58032.0364	53	51	386693.195	6910258.02	4	00015N	9.7	99	56836.1	2.27	400	132312	386691.6563	6910260.893	24.8
L15	58067.33	-2.5	58071.0664	27	64	386698.883	6910264.91	-2.5	00015N	8.2	99	56875.38	2.16	410	132154	386699.068	6910266.267	24.8
L15	57959.31	-5.8	57963.0464	31	62	386704.67	6910271.92	-5.8	00015N	5.8	99	56767.36	2.14	420	132111	386704.0287	6910274.15	24.8
L15	57894.63	-11	57898.3664	31	60	386712.774	6910281.73	-11	00015N	-0.7	99	56703.26	2.11	430	131944	386713.8327	6910282.752	24.8
L15	57861.94	-17.4	57865.6764	22	64	386718.688	6910288.89	-17.4	00015N	-6.6	99	56670.62	2.1	440	131702	386717.8283	6910291.39	24.8
L15	57593.21	-18.4	57596.9464	20	67	386724.335	6910295.73	-18.4	00015N	-9.1	99	56402.08	2.17	450	131626	386725.5053	6910296.255	24.8
L15	57688.19	-22.8	57691.9264	15	68	386730.297	6910302.96	-22.8	00015N	-15.2	99	56497.12	2.17	460	131602	386729.3243	6910305.06	24.8
L15	57971.08	-18.2	57974.8164	18	76	386742.867	6910318.18	-18.2	00015N	-11.9	99	56780.97	2.41	480	131322	386741.928	6910320.885	24.8
L15	57858.08	-17.6	57861.8164	9	77	386749.879	6910326.67	-17.6	00015N	-12.5	99	56668.29	2.39	490	131208	386750.9	6910327.73	24.8
L15	57927.69	-17.3	57931.4264	38	70	386755.811	6910333.86	-17.3	00015N	-15.3	99	56738.17	2.47	500	131137	386757.2927	6910334.822	24.8
L15	57954.62	-17.6	57958.3564	16	77	386761.848	6910341.17	-17.6	00015N	-18.6	99	56765.4	2.42	510	131106	386765.4857	6910340.047	24.8
L15	57984.59	-20.3	57988.3264	31	75	386769.65	6910350.62	-20.3	00015N	-20.8	99	56795.54	2.5	520	131029	386769.1647	6910352.051	24.8
L15	57999.81	-21.3	58003.5464	0	83	386775.11	6910357.23	-21.3	00015N	-23.3	99	56811.01	2.57	530	130958	386776.3441	6910357.121	24.8
L15	57996.84	-18.3	58000.5764	41	77	386780.981	6910364.34	-18.3	00015N	-19.6	99	56808.15	2.71	540	130932	386782.3923	6910364.381	24.8
L15	58119.11	-18.5	58122.8464	17	81	386788.838	6910373.86	-18.5	00015N	-20.5	99	56930.56	2.56	550	130859	386787.9447	6910375.743	24.8
L15	58095.25	-18.3	58098.9864	25	80	386792.913	6910378.8	-18.3	00015N	-19.9	99	56906.75	2.6	560	130839	386792.52	6910380.44	24.8
L15	57966.31	-17.2	57970.0464	49	70	386799.925	6910387.29	-17.2	00015N	-20.7	99	56777.87	2.65	570	130816	386799.79	6910389.073	24.8
L15	57959.57	-19.6	57963.3064	44	69	386807.634	6910396.63	-19.6	00015N	-24.2	99	56771.22	2.54	580	130746	386805.298	6910400.19	24.8
L15	57804.38	-22.5	57808.1164	39	73	386813.773	6910404.06	-22.5	00015N	-23.7	99	56616.15	2.56	590	130714	386814.8647	6910402.666	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L15	57954.36	-26.9	57958.0964	44	71	386819.975	6910411.57	-26.9	00015N	-25.5	99	56766.31	2.58	600	130626	386819.2523	6910411.632	24.8
L15	58021.4	-28.5	58025.1364	53	67	386827.719	6910420.95	-28.5	00015N	-23.9	99	56833.51	2.65	610	130544	386829.71	6910418.413	24.8
L15	57925.68	-30.3	57929.4164	76	52	386833.324	6910427.74	-30.3	00015N	-23.5	99	56737.76	2.84	620	130514	386833.41	6910426.64	24.8
L15	57791.27	-33.6	57795.0064	64	63	386838.222	6910433.67	-33.6	00015N	-25.2	99	56603.45	2.77	630	130449	386839.2747	6910431.908	24.8
L15	57890.74	-36.4	57894.4764	78	50	386846.763	6910444.02	-36.4	00015N	-26.7	99	56702.96	2.86	640	130355	386846.314	6910443.715	24.8
L15	57951.16	-37.4	57954.8964	81	52	386852.512	6910450.98	-37.4	00015N	-25.5	99	56763.36	2.96	650	130319	386853.682	6910449.314	24.8
L15	58049.09	-38.8	58052.8264	82	50	386858.196	6910457.87	-38.8	00015N	-25	99	56861.46	2.97	660	130250	386858.3567	6910457.177	24.8
L15	57922.52	-39.5	57926.2564	62	71	386863.216	6910463.95	-39.5	00015N	-26.4	99	56734.77	2.93	670	130219	386864.4807	6910462.448	24.8
L15	57619.9	-38.8	57623.6364	75	67	386872.032	6910474.63	-38.8	00015N	-23.2	99	56432.24	3.11	680	130138	386871.9667	6910474.502	24.8
L15	57719.86	-40.7	57723.5964	85	61	386877.61	6910481.38	-40.7	00015N	-22.4	99	56532.12	3.22	690	130100	386878.8999	6910480.204	24.8
L15	57763.76	-42.1	57767.4964	54	89	386885.145	6910490.51	-42.1	00015N	-22.5	99	56576.04	3.22	700	130022	386884.985	6910490.695	24.8
L15	57689.69	-36.8	57693.4264	31	98	386890.456	6910496.94	-36.8	00015N	-19.5	99	56502.08	3.18	710	125938	386890.457	6910497.262	24.8
L15	57666.92	-38.1	57670.6564	54	90	386896.792	6910504.61	-38.1	00015N	-19.4	99	56479.29	3.23	720	125845	386899.145	6910502.6	24.8
L15	57738.81	-38.8	57742.5464	45	95	386903.183	6910512.35	-38.8	00015N	-19.2	99	56551.09	3.25	730	125817	386901.838	6910512.527	24.8
L15	58113.15	-40.2	58116.8864	38	94	386910.925	6910521.73	-40.2	00015N	-22.6	99	56925.38	3.12	740	125742	386908.65	6910522.962	24.8
L15	58289.04	-43.3	58292.7764	40	97	386917.422	6910529.6	-43.3	00015N	-23	99	57101.22	3.25	750	125654	386916.1813	6910530.216	24.8
L15	58127.84	-44.2	58131.5764	21	47	386922.154	6910535.33	-44.2	00015N	-25.4	99	56940.03	3.24	760	125625	386921.935	6910535.205	24.8
L15	57942.88	-43.9	57946.6164	15	53	386928.943	6910543.55	-43.9	00015N	-24.2	99	56755.08	3.42	770	125559	386927.3314	6910544.706	24.8
L15	57944.11	-43.2	57947.8464	8	59	386935.436	6910551.42	-43.2	00015N	-22.2	99	56756.43	3.67	780	125507	386936.7627	6910549.209	24.8
L15	58295.62	-33.3	58299.3564	8	59	386942.163	6910559.57	-33.3	00015N	-12.9	99	57108.03	3.71	790	125433	386943.6627	6910557.551	24.8
L15	58407.24	-32.2	58410.9764	-3	60	386948.787	6910567.59	-32.2	00015N	-11.2	99	57219.57	3.74	800	125400	386949.6244	6910566.39	24.8
L15	58683.6	-32	58687.3364	6	59	386953.883	6910573.76	-32	00015N	-12.6	99	57496.14	3.66	810	125337	386954.952	6910572.627	24.8
L15	58657.58	-28.4	58661.3164	28	56	386961.186	6910582.61	-28.4	00015N	-9.3	99	57470.25	3.92	820	125314	386960.3887	6910583.048	24.8
L15	58578.32	-23.7	58582.0564	125	42	386966.426	6910588.95	-23.7	00015N	-6.5	99	57391.04	4.05	830	125255	386967.0207	6910588.257	24.8
L15	58690.04	-25.2	58693.7764	52	111	386973.212	6910597.17	-25.2	00015N	-5.4	99	57502.98	3.79	840	125211	386972.615	6910597.638	24.8
L15	58591.91	-24.2	58595.6464	99	78	386980.818	6910606.39	-24.2	00015N	-4.7	99	57404.95	3.9	850	125146	386978.05	6910608.607	24.8
L15	58482.47	-24.1	58486.2064	40	48	386985.676	6910612.27	-24.1	00015N	-6.1	99	57295.47	3.91	860	125125	386985.0113	6910612.166	24.8
L15	58266.21	-23.5	58269.9464	35	51	386992.855	6910620.97	-23.5	00015N	-5.8	99	57079.32	3.82	870	125052	386992.096	6910621.295	24.8
L15	58651.74	-23.6	58655.4764	23	57	387000.053	6910629.68	-23.6	00015N	-4.6	99	57464.83	3.82	880	125024	387000.305	6910629.469	24.8
L15	58604.4	-22.3	58608.1364	61	27	387005.748	6910636.58	-22.3	00015N	-4.1	99	57417.48	4.16	890	124954	387004.592	6910637.57	24.8
L15	58469.87	-23.3	58473.6064	126	39	387009.758	6910641.44	-23.3	00015N	-4.5	99	57283	4.09	900	124834	387009.76	6910641.437	24.8
L16	58357.48	13.1	58361.2164	36	55	386517.67	6909887.34	13.1	00016N	5.7	99	57174.81	4.06	0	113444	386517.6653	6909887.344	24.8
L16	58296.01	14.1	58299.7464	21	60	386522.379	6909893.06	14.1	00016N	5.9	99	57113.53	3.96	10	113524	386521.402	6909894.018	24.8
L16	58373.4	16.2	58377.1364	24	59	386528.269	6909900.21	16.2	00016N	6.7	99	57190.68	3.96	20	113552	386528.254	6909900.693	24.8
L16	58471.87	17.3	58475.6064	24	58	386534.44	6909907.7	17.3	00016N	6.7	99	57289.09	3.93	30	113618	386534.34	6909908.657	24.8
L16	58352.3	17.9	58356.0364	16	61	386541.38	6909916.13	17.9	00016N	6	99	57169.32	3.94	40	113643	386540.076	6909918.36	24.8
L16	58243.33	19.5	58247.0664	15	60	386547.502	6909923.56	19.5	00016N	5.4	99	57060.53	3.84	50	113706	386547.915	6909924.475	24.8
L16	58367.19	21	58370.9264	27	57	386553.388	6909930.71	21	00016N	6.4	99	57184.14	3.89	60	113733	386555.8037	6909929.875	24.8
L16	58448.12	25.2	58451.8564	10	62	386560.663	6909939.54	25.2	00016N	7.2	99	57265.01	3.87	70	113801	386562.867	6909939.348	24.8
L16	58489.61	27.8	58493.3464	10	61	386565.835	6909945.82	27.8	00016N	9.7	99	57306.41	3.82	80	113824	386568.082	6909945.934	24.8
L16	58537.03	30.3	58540.7664	3	59	386572.241	6909953.6	30.3	00016N	11.6	99	57354.05	3.63	90	113848	386572.7427	6909955.235	24.8
L16	58499.53	30.9	58503.2664	14	58	386578.332	6909960.99	30.9	00016N	11	99	57316.31	3.71	100	113914	386578.9153	6909962.967	24.8
L16	58344.59	32.6	58348.3264	9	57	386584.952	6909969.03	32.6	00016N	10.9	99	57161.48	3.57	110	113944	386586.034	6909971.024	24.8
L16	58294.55	35.3	58298.2864	10	57	386591.377	6909976.83	35.3	00016N	11.6	99	57111.37	3.59	120	114009	386594.2953	6909977.4	24.8
L16	58204.38	37.2	58208.1164	5	56	386597.034	6909983.7	37.2	00016N	12.7	99	57021.04	3.49	130	114034	386598.8443	6909985.383	24.8
L16	58283.58	39.3	58287.3164	2	54	386603.397	6909991.43	39.3	00016N	16.3	99	57100.18	3.34	140	114057	386604.47	6909994.052	24.8
L16	58397.95	41.4	58401.6864	10	54	386610.13	6909999.6	41.4	00016N	16.2	99	57214.8	3.4	150	114121	386611.733	6910002.228	24.8
L16	58388.76	42.8	58392.4964	11	51	386615.782	6910006.46	42.8	00016N	19.1	99	57205.6	3.22	160	114147	386615.734	6910010.49	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L16	58212.96	44.7	58216.6964	14	49	386622.305	6910014.38	44.7	00016N	20.4	99	57029.98	3.16	170	114214	386624.171	6910016.896	24.8
L16	58102.27	47	58106.0064	24	96	386628.207	6910021.55	47	00016N	21.2	99	56919.41	3.05	180	114245	386631.64	6910022.905	24.8
L16	58199.44	47	58203.1764	7	96	386635.24	6910030.09	47	00016N	20.6	99	57016.42	2.96	190	114316	386637.4343	6910032.749	24.8
L16	58278.6	46.5	58282.3364	15	94	386640.64	6910036.64	46.5	00016N	20.4	99	57095.88	2.93	200	114340	386642.7507	6910039.725	24.8
L16	58404.16	48	58407.8964	11	91	386646.33	6910043.55	48	00016N	24.2	99	57221.21	2.83	210	114409	386649.328	6910046.216	24.8
L16	58749.27	47.6	58753.0064	19	85	386653.687	6910052.48	47.6	00016N	24.2	99	57566.55	2.7	220	114443	386657.304	6910055.114	24.8
L16	58559.84	45.7	58563.5764	-2	85	386659.506	6910059.55	45.7	00016N	23.7	99	57377.17	2.64	230	114512	386663.078	6910062.596	24.8
L16	58587.3	42.1	58591.0364	20	81	386666.452	6910067.98	42.1	00016N	20.9	99	57404.79	2.58	240	114548	386666.728	6910073.271	24.8
L16	58479.21	39.2	58482.9464	15	81	386672.178	6910074.94	39.2	00016N	18.4	99	57296.74	2.56	250	114616	386674.4893	6910078.395	24.8
L16	58105.14	36.8	58108.8764	22	85	386678.674	6910082.82	36.8	00016N	15.1	99	56922.68	2.72	260	114649	386682.328	6910085.456	24.8
L16	58184.63	38.1	58188.3664	15	84	386685.971	6910091.68	38.1	00016N	16.9	99	57002.33	2.65	270	114726	386687.98	6910095.873	24.8
L16	58503.37	37.9	58507.1064	11	82	386691.666	6910098.6	37.9	00016N	17.9	99	57321.05	2.54	280	114751	386693.924	6910102.96	24.8
L16	58570.36	36.7	58574.0964	-1	81	386698.067	6910106.37	36.7	00016N	19.1	99	57388.14	2.49	290	114820	386701.564	6910110.012	24.8
L16	58509.64	34.1	58513.3764	0	80	386703.669	6910113.17	34.1	00016N	17.2	99	57327.27	2.46	300	115018	386708.62	6910115.755	24.8
L16	58321.92	32.2	58325.6564	0	78	386709.802	6910120.62	32.2	00016N	16.7	99	57139.41	2.41	310	115051	386713.03	6910124.687	24.8
L16	58433.35	30.9	58437.0864	-14	76	386716.76	6910129.06	30.9	00016N	17.7	99	57250.91	2.39	320	115123	386716.515	6910135.437	24.8
L16	58443.65	28.3	58447.3864	18	71	386722.639	6910136.2	28.3	00016N	18.5	99	57261.27	2.26	330	115152	386724.018	6910141.343	24.8
L16	58562.79	24.9	58566.5264	27	67	386728.993	6910143.92	24.9	00016N	16.9	99	57380.41	2.24	340	115218	386732.128	6910147.726	24.8
L16	58475.56	21.1	58479.2964	21	68	386735.545	6910151.87	21.1	00016N	16.5	99	57293.28	2.19	350	115249	386740.9993	6910153.601	24.8
L16	58352.9	17.6	58356.6364	31	62	386741.912	6910159.6	17.6	00016N	15.6	99	57170.45	2.14	360	115324	386742.958	6910163.755	24.8
L16	58384.23	13.7	58387.9664	-4	65	386749.387	6910168.68	13.7	00016N	12.8	99	57201.73	2.02	370	115413	386751.598	6910172.284	24.8
L16	58341.71	9.3	58345.4464	23	63	386755.407	6910175.99	9.3	00016N	11.1	99	57159.42	2.07	380	115458	386758.6083	6910179.1	24.8
L16	58235.97	6.5	58239.7064	4	66	386761.706	6910183.63	6.5	00016N	7.7	99	57053.53	2.04	390	115540	386764.045	6910187.767	24.8
L16	58161.9	0.5	58165.6364	28	60	386766.714	6910189.72	0.5	00016N	4.9	99	56979.33	2.04	400	115618	386769.2793	6910193.993	24.8
L16	58002.01	-5.1	58005.7464	29	58	386774.01	6910198.57	-5.1	00016N	-0.5	99	56819.37	2.03	410	115720	386777.9633	6910202.057	24.8
L16	57961.44	-8.9	57965.1764	23	63	386780.654	6910206.64	-8.9	00016N	-4.8	99	56778.69	2.08	420	115751	386782.614	6910211.794	24.8
L16	57815.73	-14	57819.4664	31	58	386786.83	6910214.14	-14	00016N	-10	99	56633	2.04	430	115820	386791.926	6910215.523	24.8
L16	57829.55	-19.5	57833.2864	26	64	386793.376	6910222.09	-19.5	00016N	-16.2	99	56646.7	2.14	440	115921	386797.775	6910224.4	24.8
L16	57871.55	-13.4	57875.2864	17	70	386799.528	6910229.56	-13.4	00016N	-13.2	99	56688.58	2.24	450	120015	386803.45	6910232.625	24.8
L16	57976.01	-9	57979.7464	-9	72	386805.42	6910236.71	-9	00016N	-14.6	99	56792.88	2.25	460	120039	386809.07	6910240.37	24.8
L16	58077.2	-10.6	58080.9364	52	57	386812.944	6910245.84	-10.6	00016N	-12.7	99	56893.44	2.39	470	120339	386816.4707	6910250.095	24.8
L16	57988.96	-11.5	57992.6964	35	62	386818.05	6910252.04	-11.5	00016N	-15.8	99	56805.09	2.19	480	120424	386822.745	6910255.517	24.8
L16	58231.98	-12.3	58235.7164	51	56	386825.061	6910260.56	-12.3	00016N	-14.3	99	57047.93	2.34	490	120544	386829.182	6910264.911	24.8
L16	58247.87	-12.5	58251.6064	47	59	386834.472	6910271.98	-12.5	00016N	-15.5	99	57063.72	2.32	500	120613	386833.3237	6910279.623	24.8
L16	58293.93	-14	58297.6664	44	56	386839.099	6910277.6	-14	00016N	-16.8	99	57109.83	2.21	510	120640	386840.814	6910280.232	24.8
L16	58358.4	-17.1	58362.1364	38	62	386845.977	6910285.95	-17.1	00016N	-20.4	99	57174.1	2.23	520	120714	386846.304	6910289.962	24.8
L16	58138.5	-22.1	58142.2364	55	54	386852.513	6910293.89	-22.1	00016N	-20.8	99	56954.18	2.39	530	120835	386855.9797	6910294.331	24.8
L16	58404.46	-24.9	58408.1964	40	62	386858.536	6910301.2	-24.9	00016N	-23.8	99	57220.14	2.29	540	120909	386863.007	6910301.134	24.8
L16	58295.26	-27.6	58298.9964	49	59	386865.198	6910309.29	-27.6	00016N	-24.5	99	57110.84	2.39	550	121039	386866.575	6910311.35	24.8
L16	58128.14	-29.5	58131.8764	38	66	386870.201	6910315.36	-29.5	00016N	-26.8	99	56943.75	2.34	560	121138	386871.892	6910317.495	24.8
L16	58432.12	-30	58435.8564	47	63	386877.29	6910323.97	-30	00016N	-23.7	99	57247.78	2.42	570	121230	386878.784	6910326.719	24.8
L16	58339.89	-33.4	58343.6264	41	66	386884.088	6910332.22	-33.4	00016N	-26.7	99	57155.4	2.4	580	121313	386885.7083	6910335.318	24.8
L16	57976.79	-35	57980.5264	55	57	386889.78	6910339.13	-35	00016N	-26.2	99	56792.33	2.45	590	121407	386888.228	6910344.212	24.8
L16	57836.57	-39.4	57840.3064	66	55	386897.513	6910348.52	-39.4	00016N	-27.3	99	56652.15	2.67	600	121613	386900.0373	6910348.489	24.8
L16	58044.22	-41	58047.9564	69	55	386903.476	6910355.76	-41	00016N	-27.4	99	56859.83	2.73	610	121701	386907.4696	6910354.699	24.8
L16	57875.85	-43.1	57879.5864	55	66	386909.723	6910363.35	-43.1	00016N	-29.1	99	56691.52	2.67	620	121754	386914.286	6910362.215	24.8
L16	57989.42	-46.1	57993.1564	38	75	386915.921	6910370.87	-46.1	00016N	-31.5	99	56804.94	2.6	630	121853	386919.3933	6910370.888	24.8
L16	58352.56	-45.3	58356.2964	48	71	386922.391	6910378.73	-45.3	00016N	-30.4	99	57168.04	2.65	640	121930	386924.4067	6910380.125	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L16	58808.98	-49.4	58812.7164	38	79	386928.925	6910386.66	-49.4	00016N	-32.8	99	57624.67	2.73	650	122028	386931.717	6910387.816	24.8
L16	58582.37	-49.6	58586.1064	42	78	386933.363	6910392.05	-49.6	00016N	-29.7	99	57398.14	2.74	660	122055	386935.87	6910393.708	24.8
L16	58279.44	-49	58283.1764	34	81	386940.419	6910400.62	-49	00016N	-29.3	99	57095.05	2.72	670	122143	386943.1127	6910402.589	24.8
L16	58405.33	-51.9	58409.0664	40	81	386946.366	6910407.84	-51.9	00016N	-31.2	99	57220.53	2.79	680	122232	386947.704	6910411.089	24.8
L16	58401.04	-52.3	58404.7764	36	90	386952.198	6910414.92	-52.3	00016N	-28.3	99	57216.55	2.99	690	122347	386955.058	6910417.058	24.8
L16	58569.36	-45.4	58573.0964	62	82	386959.346	6910423.6	-45.4	00016N	-20.7	99	57384.64	3.18	700	122506	386964.666	6910423.574	24.8
L16	58284.81	-45.5	58288.5464	74	76	386968.414	6910434.61	-45.5	00016N	-20.8	99	57100.02	3.28	710	122631	386965.8767	6910438.252	24.8
L16	58441.26	-47.1	58444.9964	65	85	386974.606	6910442.13	-47.1	00016N	-22.3	99	57256.62	3.32	720	122708	386974.8567	6910442.782	24.8
L16	58482.61	-45.6	58486.3464	68	91	386981.946	6910451.04	-45.6	00016N	-19.2	99	57298.01	3.52	730	122744	386978.978	6910453.967	24.8
L16	58324.46	-40.3	58328.1964	48	102	386989.116	6910459.74	-40.3	00016N	-13.5	99	57139.89	3.48	740	122814	386989.7647	6910458.357	24.8
L16	58305.96	-37.7	58309.6964	77	87	386996.403	6910468.59	-37.7	00016N	-12.4	99	57121.38	3.59	750	122845	386995.873	6910468.494	24.8
L16	58433.82	-37.2	58437.5564	71	87	386999.986	6910472.94	-37.2	00016N	-12.6	99	57249.13	3.46	760	122922	387001.292	6910470.618	24.8
L16	58542.67	-37.9	58546.4064	66	94	387006.47	6910480.81	-37.9	00016N	-14.2	99	57357.96	3.55	770	123014	387008.651	6910478.151	24.8
L16	58731.28	-38	58735.0164	88	81	387018.621	6910495.57	-38	00016N	-12.8	99	57546.45	3.69	780	123114	387017.832	6910495.62	24.8
L16	58667.29	-39.2	58671.0264	83	87	387021.175	6910498.67	-39.2	00016N	-13.3	99	57482.49	3.72	790	123134	387021.972	6910495.886	24.8
L16	58617.03	-39.9	58620.7664	79	93	387028.536	6910507.6	-39.9	00016N	-15.3	99	57432.29	3.75	800	123251	387029.652	6910505.048	24.8
L16	58604.07	-38.9	58607.8064	98	79	387033.449	6910513.57	-38.9	00016N	-15.6	99	57419.4	3.87	810	123312	387034.119	6910511.66	24.8
L16	58571.4	-39	58575.1364	92	87	387040.302	6910521.89	-39	00016N	-15.1	99	57386.77	3.91	820	123339	387042.546	6910518.931	24.8
L16	58540.8	-37.3	58544.5364	110	80	387045.999	6910528.81	-37.3	00016N	-14.3	99	57356.25	4.19	830	123416	387047.289	6910526.876	24.8
L16	58636.83	-32	58640.5664	71	116	387052.603	6910536.83	-32	00016N	-7	99	57452.27	4.2	840	123503	387055.4923	6910533.787	24.8
L16	58720.01	-25.5	58723.7464	76	114	387058.496	6910543.98	-25.5	00016N	-3.3	99	57535.49	4.22	850	123532	387058.16	6910542.978	24.8
L16	59035.15	-21.8	59038.8864	86	103	387063.019	6910549.47	-21.8	00016N	0.9	99	57850.52	4.14	860	123559	387063.7245	6910547.775	24.8
L16	59213.63	-22.8	59217.3664	97	88	387070.225	6910558.22	-22.8	00016N	-1.9	99	58029.01	4.05	870	123634	387072.0573	6910555.993	24.8
L16	59098.17	-25.1	59101.9064	104	80	387077.937	6910567.58	-25.1	00016N	-2.9	99	57913.56	4.07	880	123708	387078.246	6910566.884	24.8
L16	58893.88	-26.2	58897.6164	101	88	387085.254	6910576.47	-26.2	00016N	-3.8	99	57709.36	4.14	890	123756	387085.9833	6910575.903	24.8
L16	58779.9	-26.7	58783.6364	91	101	387087.338	6910579	-26.7	00016N	-2.6	99	57595.39	4.2	900	123848	387087.342	6910579.004	24.8
L17	58534.92		58542.973	25	106	386597.84	6909827.49	-42	00017N	-14.4	99	57361.76	3.35	10	172326	386597.838	6909827.488	24.8
L17	58643.83		58651.8829	22	102	386604.717	6909835.81	-50.7	00017N	-16.5	99	57470.64	3.22	20	172257	386604.2777	6909836.423	24.8
L17	58775.55	63.4	58783.603	45	-111	386611.834	6909844.42	63.4	00017N	12.5	99	57601.98	3.68	30	172215	386613.11	6909843.627	24.8
L17	58824.98		58833.033	24	67	386617.904	6909851.77	-63.4	00017N	-36.7	99	57651.56	2.21	40	172139	386619.1877	6909851.213	24.8
L17	59055.04	79.6	59063.093	17	-74	386624.361	6909859.58	79.6	00017N	-5.9	99	57881.63	2.35	50	172106	386625.464	6909859.431	24.8
L17	59080.32	72.6	59088.373	18	-78	386630.571	6909867.09	72.6	00017N	-0.1	99	57906.72	2.47	60	172034	386629.98	6909868.291	24.8
L17	59086.01	72.8	59094.063	15	-69	386635.9	6909873.54	72.8	00017N	-14.9	99	57912.42	2.2	70	172002	386636.682	6909873.575	24.8
L17	59015.09	63.4	59023.143	35	-66	386643.708	6909882.99	63.4	00017N	-0.8	99	57841.75	2.31	80	171917	386645.124	6909882.798	24.8
L17	58964.46	59.4	58972.513	35	-78	386649.153	6909889.57	59.4	00017N	0.8	99	57791.16	2.64	90	171838	386650.6883	6909889.513	24.8
L17	58748.12		58756.173	23	64	386655.31	6909897.02	-51.1	00017N	-35	99	57574.66	2.11	100	171808	386655.166	6909898.297	24.8
L17	58612.73		58620.783	64	-127	386662.032	6909905.16	68.4	00017N	-3.4	99	57439.23	2.2	110	171717	386662.5667	6909906.115	24.8
L17	58441.44	46.1	58449.493	65	-75	386669.174	6909913.8	46.1	00017N	-23.1	99	57267.53	1.53	120	171617	386668.2947	6909916.015	24.8
L17	58312.13	42.3	58320.183	32	-88	386674.819	6909920.63	42.3	00017N	-4	99	57138.66	2.9	130	171522	386674.6353	6909922.46	24.8
L17	58244.11		58252.163	62	127	386682.061	6909929.39	-54.5	00017N	-22.3	99	57070.17	2.19	140	171450	386682.4223	6909931.054	24.8
L17	58420.72	48.9	58428.773	30	-108	386687.292	6909935.72	48.9	00017N	-25.5	99	57246.53	1.73	150	171409	386685.876	6909938.686	24.8
L17	58273.09		58281.143	38	-41	386693.854	6909943.66	39.5	00017N	-7.6	99	57099.72	1.74	160	171323	386690.5413	6909948.103	24.8
L17	58403	48.8	58411.053	32	-86	386700.623	6909951.85	48.8	00017N	1.6	99	57229.33	2.83	170	171251	386696.5673	6909957.113	24.8
L17	58385.07	49.6	58393.123	18	-65	386706.884	6909959.42	49.6	00017N	-12.2	99	57211.66	2.09	180	171147	386705.87	6909960.854	24.8
L17	58403.51	49.1	58411.563	31	-73	386713.977	6909968.01	49.1	00017N	2	99	57228.1	2.45	190	170209	386715.165	6909967.385	24.8
L17	58502.07	50	58510.123	16	-55	386720.923	6909976.41	50	00017N	-13.3	99	57326.5	1.77	200	170132	386722.4983	6909975.748	24.8
L17	58281.1	45.3	58289.153	27	-75	386727.452	6909984.31	45.3	00017N	2.8	99	57105.67	2.48	210	170055	386728.1087	6909984.573	24.8
L17	58288.57	49	58296.623	39	-122	386733.126	6909991.17	49	00017N	-4	99	57112.96	1.97	220	170024	386733.995	6909991.495	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L17	58206.75	42.3	58214.803	14	-8	386739.88	6909999.35	42.3	00017N	-93.4	99	57030.84	0.51	230	165839	386738.772	6910001.198	24.8
L17	58251.88		58259.933	32	75	386745.598	6910006.26	-37.2	00017N	-22.2	99	57075.96	2.53	240	165800	386744.3423	6910008.467	24.8
L17	58531.02	49.9	58539.073	67	-127	386752.269	6910014.34	49.9	00017N	12	99	57355.02	2.21	250	165639	386751.9953	6910015.92	24.8
L17	58543.31	54.1	58551.363	42	-108	386757.973	6910021.24	54.1	00017N	7.4	99	57367.17	1.78	260	165601	386758.7407	6910022.081	24.8
L17	58523.65		58531.703	71	127	386764.726	6910029.41	-61.3	00017N	-61.6	99	57347.42	1.12	270	165523	386764.216	6910031.407	24.8
L17	58673.81	55.1	58681.863	24	-39	386770.433	6910036.31	55.1	00017N	-11.3	99	57497.28	0.71	280	165437	386769.549	6910038.83	24.8
L17	58528.69		58536.743	127	-127	386776.23	6910043.33	64.9	00017N	31.9	99	57352.13	1.38	290	165400	386774.5767	6910046.634	24.8
L17	58457.62	51.2	58465.673	62	-117	386783.356	6910051.95	51.2	00017N	23.7	99	57281.28	1.02	300	165318	386783.5867	6910053.636	24.8
L17	58324.53	48.1	58332.583	55	-109	386789.165	6910058.98	48.1	00017N	17	99	57148.11	0.93	310	165234	386788.635	6910061.452	24.8
L17	58410.56	33.8	58418.613	23	-5	386795.051	6910066.1	33.8	00017N	-18.9	99	57234.19	0.36	320	165147	386794.6713	6910068.691	24.8
L17	58544.1	27.8	58552.153	44	-118	386802.537	6910075.15	27.8	00017N	18.4	99	57367.87	1.94	330	165024	386801.1373	6910078.785	24.8
L17	58495.17	23.8	58503.223	48	-119	386808.462	6910082.32	23.8	00017N	16.3	99	57319.37	1.97	340	164903	386809.2713	6910083.672	24.8
L17	58471.91	23.2	58479.963	26	-64	386814.398	6910089.51	23.2	00017N	14.1	99	57296.42	1.06	350	164831	386815.329	6910090.998	24.8
L17	58317.19		58325.243	114	-127	386821.525	6910098.13	32.4	00017N	22.8	99	57142.17	1.32	360	164653	386821.039	6910100.881	24.8
L17	58237.45	16.1	58245.503	79	-40	386828.332	6910106.36	16.1	00017N	18	99	57062.39	0.68	370	164602	386824.106	6910111.342	24.8
L17	58351.44		58359.493	44	75	386835.873	6910115.49	-3.2	00017N	-7.2	99	57176.26	0.67	380	164502	386835.0007	6910116.551	24.8
L17	58141.93	0.2	58149.983	22	43	386841.602	6910122.42	0.2	00017N	1	99	56966.76	0.75	390	164344	386839.48	6910124.558	24.8
L17	58148.33	4.1	58156.3829	100	-127	386848.254	6910130.47	4.1	00017N	10.7	99	56973.14	1.25	400	164311	386846.6547	6910132.434	24.8
L17	58157.18	-0.3	58165.233	61	-56	386854.731	6910138.31	-0.3	00017N	1.5	99	56981.9	0.64	410	164221	386853.834	6910139.921	24.8
L17	58145.2	9.3	58153.253	28	44	386859.495	6910144.07	9.3	00017N	-4.7	99	56969.84	0.81	420	164059	386858.9202	6910145.606	24.8
L17	58181.11	13	58189.163	36	95	386865.132	6910150.89	13	00017N	-1.2	99	57005.77	1.57	430	164030	386865.0673	6910152.217	24.8
L17	57912.63		57920.683	84	113	386873.383	6910160.87	14.4	00017N	7.1	99	56736.85	2.16	440	163732	386868.3177	6910165.026	24.8
L17	57912.16		57920.213	35	-92	386880.329	6910169.28	-10.9	00017N	-9.3	99	56735.65	1.52	450	163226	386877.26	6910171.64	24.8
L17	58030.78	-3.7	58038.833	127	-127	386886.773	6910177.07	-3.7	00017N	-3.2	99	56854.3	1.38	460	163147	386885.6967	6910177.585	24.8
L17	58179.84		58187.893	24	-34	386891.558	6910182.86	3.7	00017N	-10.3	99	57003.47	0.64	470	163119	386892.4073	6910181.283	24.8
L17	58342.18	-12.8	58350.233	52	-104	386899.812	6910192.85	-12.8	00017N	-17.8	99	57166.18	1.78	480	163031	386899.561	6910192.398	24.8
L17	58468.61		58476.663	28	43	386907.357	6910201.98	40.9	00017N	-1.7	99	57292.7	0.8	490	162902	386905.6987	6910202.808	24.8
L17	58555.01	-20.1	58563.063	32	-93	386912.907	6910208.69	-20.1	00017N	-32.8	99	57378.89	1.51	500	162825	386910.672	6910210.174	24.8
L17	58624.31	-23	58632.363	34	-98	386919.364	6910216.51	-23	00017N	-29.8	99	57448.23	1.6	510	162756	386918.385	6910217.06	24.8
L17	58624.01	-29.5	58632.063	38	-112	386925.594	6910224.04	-29.5	00017N	-32.3	99	57447.71	1.83	520	162723	386922.257	6910226.255	24.8
L17	58490.58	-31.4	58498.6329	48	-109	386931.262	6910230.9	-31.4	00017N	-36.4	99	57314.06	1.83	530	162655	386929.8747	6910231.193	24.8
L17	58671.39	-29.5	58679.443	42	-100	386937.633	6910238.61	-29.5	00017N	-36.8	99	57495.01	1.67	540	162634	386934.034	6910240.508	24.8
L17	58698.89	-36.3	58706.943	47	-119	386944.853	6910247.34	-36.3	00017N	-37.7	99	57522.15	1.97	550	162605	386943.621	6910246.973	24.8
L17	58761.7		58769.753	113	-117	386951.332	6910255.18	-51.5	00017N	-50.9	99	57584.78	1.25	560	162258	386950.72	6910254.54	24.8
L17	58824.22	-45.8	58832.273	97	-81	386957.292	6910262.39	-45.8	00017N	-53.1	99	57647.26	0.97	570	162130	386957.512	6910261.246	24.8
L17	58765.37	-52.8	58773.423	98	-78	386963.374	6910269.75	-52.8	00017N	-54	99	57588.44	0.96	580	162042	386964.264	6910268.267	24.8
L17	58597.86		58605.913	23	45	386967.822	6910275.14	63.9	00017N	-19.7	99	57420.86	0.78	590	162011	386967.976	6910274.346	24.8
L17	58033.07	-33.5	58041.123	26	-34	386977.115	6910286.38	-33.5	00017N	-34.5	99	56855.97	1.34	600	161918	386976.0633	6910286.839	24.8
L17	58222.92	-43.3	58230.973	39	-127	386981.704	6910291.93	-43.3	00017N	-21.7	99	57045.98	2.04	610	161840	386981.964	6910291.219	24.8
L17	58503.07		58511.123	13	-22	386988.7	6910300.4	-33.1	00017N	-17.8	99	57325.77	0.78	620	161655	386987.276	6910301.085	24.8
L17	58550.77	-47.9	58558.823	61	-127	386995.583	6910308.72	-47.9	00017N	-20.2	99	57373.4	2.17	630	161627	386994.3633	6910309.526	24.8
L17	58716.17	-44.5	58724.223	47	-69	387001.618	6910316.03	-44.5	00017N	-27.8	99	57538.68	1.3	640	161549	387000.273	6910317.174	24.8
L17	58636.99	-46.7	58645.043	38	-60	387008.219	6910324.01	-46.7	00017N	-30.7	99	57459.38	1.1	650	161501	387005.2022	6910326.525	24.8
L17	58809.5	-51	58817.553	16	-49	387014.608	6910331.74	-51	00017N	-29.3	99	57631.57	1.61	660	161415	387013.6913	6910332.237	24.8
L17	58922.71	-53.6	58930.763	24	-79	387020.656	6910339.06	-53.6	00017N	-24.1	99	57744.65	2.55	670	161338	387019.772	6910339.776	24.8
L17	58786.38	-57.4	58794.433	24	-82	387027.092	6910346.85	-57.4	00017N	-23.9	99	57608.04	2.64	680	161307	387028.058	6910345.907	24.8
L17	58750.29	-61.9	58758.343	25	-82	387033.403	6910354.48	-61.9	00017N	-23.9	99	57571.79	2.65	690	161236	387032.9847	6910354.731	24.8
L17	58640.56	-58.5	58648.613	17	-60	387039.649	6910362.04	-58.5	00017N	-7.6	99	57461.88	1.92	700	161155	387041.121	6910360.551	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L17	58670.13	-53.8	58678.183	21	-91	387045.025	6910368.54	-53.8	00017N	-4	99	57491.3	2.9	710	161131	387044.4783	6910368.478	24.8
L17	58677.48	-49.2	58685.533	28	-86	387052.45	6910377.53	-49.2	00017N	-4.5	99	57498.74	2.79	720	161111	387050.2217	6910378.89	24.8
L17	59023.94	-48.2	59031.993	24	-60	387058.157	6910384.43	-48.2	00017N	-0.6	99	57844.95	2.01	730	161019	387054.7907	6910386.805	24.8
L17	59251	-52.6	59259.053	19	-66	387064.738	6910392.4	-52.6	00017N	0	99	58072.14	2.12	740	160948	387061.244	6910395.139	24.8
L17	59317.08		59325.1329	97	-127	387071.769	6910400.9	-64.1	00017N	-20.7	99	58137.92	2.46	750	160909	387070.229	6910401.924	24.8
L17	59248.89	-55.4	59256.943	24	-42	387077.748	6910408.14	-55.4	00017N	-3.2	99	58069.7	1.51	760	160812	387077.3433	6910408.332	24.8
L17	59612.19	-59.2	59620.243	20	-92	387083.862	6910415.53	-59.2	00017N	-15.6	99	58433	2.91	770	160737	387080.3327	6910417.657	24.8
L17	59591.48	-56	59599.533	48	-104	387091.186	6910424.39	-56	00017N	-21.6	99	58412.22	3.55	780	160649	387088.9133	6910425.653	24.8
L17	58654.38		58662.433	55	-111	387097.897	6910432.51	-46.5	00017N	-14.6	99	57475.17	3.84	790	160621	387097.5517	6910432.047	24.8
L17	58483.3	-52	58491.353	41	-127	387107.44	6910444.06	-52	00017N	-16.3	99	57304.13	2.07	800	160551	387104.136	6910445.838	24.8
L17	58511.29		58519.343	15	37	387110.279	6910447.49	39.9	00017N	6.3	99	57332.01	1.22	810	160523	387106.7767	6910449.539	24.8
L17	58537.78	-48.3	58545.833	33	-127	387115.438	6910453.74	-48.3	00017N	-11.8	99	57358.54	2.03	820	160441	387112.776	6910455.22	24.8
L17	58554.06	-29.1	58562.113	18	-46	387121.722	6910461.34	-29.1	00017N	-10	99	57374.85	1.55	830	160414	387120.2147	6910461.997	24.8
L17	58659.28	-26.5	58667.333	37	-114	387128.909	6910470.04	-26.5	00017N	-3.4	99	57479.98	3.69	840	160343	387127.2083	6910471.14	24.8
L17	58924	-25.2	58932.053	37	-115	387134.787	6910477.15	-25.2	00017N	-0.7	99	57744.67	3.74	850	160320	387133.3153	6910478.302	24.8
L17	58933.82	-26.2	58941.873	51	-112	387141.233	6910484.95	-26.2	00017N	-2.3	99	57754.39	3.81	860	160244	387138.676	6910487.124	24.8
L17	59049.21	-28.1	59057.263	42	-111	387148.893	6910494.21	-28.1	00017N	-1	99	57869.78	3.67	870	160208	387147.34	6910495.808	24.8
L17	59267.65	-27.5	59275.703	52	-116	387155.056	6910501.67	-27.5	00017N	-1.4	99	58088	3.91	880	160143	387154.2883	6910502.819	24.8
L17	59370.4	-24.7	59378.453	52	-115	387160.756	6910508.57	-24.7	00017N	1.8	99	58190.62	3.89	890	160112	387156.0153	6910511.782	24.8
L17	59199.91	-19	59207.963	74	-103	387167.318	6910516.51	-19	00017N	4.8	99	58019.63	3.92	900	155937	387164.2973	6910518.251	24.8
L17	58858.81	-21.7	58866.863	55	-108	387172.892	6910523.25	-21.7	00017N	4.9	99	57678.5	3.74	910	155914	387170.026	6910525.096	24.8
L17	58660.15	-24.9	58668.203	57	-110	387179.369	6910531.09	-24.9	00017N	3.2	99	57479.8	3.84	920	155844	387176.4073	6910533.275	24.8
L17	58614.35	-27.5	58622.403	59	-112	387185.469	6910538.47	-27.5	00017N	1.2	99	57433.76	3.92	930	155819	387182.7747	6910540.682	24.8
L17	58553.98	-27.8	58562.033	77	-108	387192.115	6910546.51	-27.8	00017N	0.6	99	57373.31	4.09	940	155740	387190.106	6910548.398	24.8
L17	58433.51	-26.3	58441.563	70	-113	387198.478	6910554.21	-26.3	00017N	-0.1	99	57252.8	4.11	950	155714	387198.4773	6910554.207	24.8
L18	58843.53	62.4	58851.583	6	-33	386670.67	6909758.24	62.4	00018N	-24	99	57661.25	2.07	0	114719	386670.67	6909758.24	24.8
L18	58861.8	58.5	58869.853	15	-81	386679.103	6909768.47	58.5	00018N	-11.3	99	57679.51	2.55	10	114754	386678.246	6909769.568	24.8
L18	58844.62	53.3	58852.673	40	-95	386684.028	6909774.44	53.3	00018N	3.2	99	57662.18	3.18	20	115003	386684.13	6909774.926	24.8
L18	58801.04	45.4	58809.093	47	-94	386690.093	6909781.8	45.4	00018N	2.2	99	57618.5	3.24	30	115048	386691.4783	6909781.41	24.8
L18	58677.9	46.6	58685.953	32	-97	386697.456	6909790.73	46.6	00018N	-0.5	99	57495.47	3.17	40	115123	386699.4607	6909790.232	24.8
L18	58671.27	45.1	58679.323	16	-86	386702.217	6909796.5	45.1	00018N	-9.3	99	57488.84	2.7	50	115145	386705.174	6909795.384	24.8
L18	58625.88	44.1	58633.933	24	-89	386708.635	6909804.29	44.1	00018N	-2.8	99	57443.46	2.85	60	115211	386710.15	6909804.484	24.8
L18	58649.06	41.7	58657.113	21	-90	386713.916	6909810.69	41.7	00018N	-2	99	57466.75	2.86	70	115235	386715.649	6909811.009	24.8
L18	58547.83	39.1	58555.8829	35	-91	386721.195	6909819.52	39.1	00018N	-1.3	99	57365.48	3.03	80	115303	386722.4247	6909820.624	24.8
L18	58515.79	35.2	58523.843	24	-91	386727.116	6909826.7	35.2	00018N	-1.7	99	57333.34	2.92	90	115326	386729.364	6909827.21	24.8
L18	58436.58	34.1	58444.6329	29	-92	386733.541	6909834.49	34.1	00018N	-1.9	99	57254.23	2.96	100	115348	386734.281	6909836.354	24.8
L18	58357.09	30.6	58365.143	35	-91	386738.514	6909840.53	30.6	00018N	-2.2	99	57174.59	3.02	110	115415	386740.278	6909841.703	24.8
L18	58226.31	26.6	58234.363	18	-88	386745.269	6909848.72	26.6	00018N	-7	99	57043.98	2.78	120	115444	386748.1137	6909849.304	24.8
L18	58212.26	26.3	58220.313	39	-96	386751.401	6909856.16	26.3	00018N	-3.5	99	57029.88	3.2	130	115510	386755.326	6909856.097	24.8
L18	58414.67	31.1	58422.723	23	-94	386757.264	6909863.27	31.1	00018N	0	99	57232.24	2.99	140	115540	386760.8	6909863.83	24.8
L18	58385.34	32.9	58393.393	25	-92	386763.645	6909871.01	32.9	00018N	-1	99	57202.8	2.95	150	115608	386765.364	6909873.076	24.8
L18	58274.55	31.9	58282.603	34	-92	386771.559	6909880.6	31.9	00018N	2	99	57091.96	3.02	160	115642	386771.816	6909884.117	24.8
L18	58390.59	32	58398.643	42	-89	386778.506	6909889.03	32	00018N	4	99	57207.94	3.05	170	115718	386781.9387	6909888.971	24.8
L18	58361.72	35.9	58369.773	13	-58	386785.61	6909897.65	35.9	00018N	-13.8	99	57178.94	1.83	180	115817	386787.9997	6909898.72	24.8
L18	58398.91	33.6	58406.963	19	-83	386790.093	6909903.08	33.6	00018N	-4.5	99	57216.06	2.64	190	115853	386792.195	6909904.625	24.8
L18	58268.45	33.2	58276.503	13	-71	386796.366	6909910.69	33.2	00018N	-7.1	99	57085.58	2.24	200	115924	386798.8193	6909912.299	24.8
L18	58260.56	32	58268.613	33	-88	386803.671	6909919.55	32	00018N	1.4	99	57077.61	2.92	210	115955	386806.3833	6909921.36	24.8
L18	58359.72	35.3	58367.773	21	-50	386810.926	6909928.35	35.3	00018N	-5	99	57176.51	1.67	220	120115	386816.491	6909927.299	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L18	58358.62	38	58366.673	24	-108	386816.962	6909935.67	38	00018N	-5.4	99	57174.3	1.7	230	120859	386817.76	6909936.97	24.8
L18	58410.52	37.2	58418.573	67	-127	386822.762	6909942.71	37.2	00018N	7.1	99	57226.1	2.22	240	120933	386825.0053	6909942.917	24.8
L18	58491.79	34.8	58499.843	15	-68	386827.89	6909948.93	34.8	00018N	2.5	99	57307.38	2.14	250	121005	386830.005	6909949.523	24.8
L18	58574.83	31.1	58582.8829	24	-77	386835.337	6909957.96	31.1	00018N	8.3	99	57390.38	2.51	260	121042	386839.265	6909957.21	24.8
L18	58655.46	30.4	58663.513	20	-77	386842.344	6909966.46	30.4	00018N	8.3	99	57471.03	2.46	270	121118	386844.792	6909967.092	24.8
L18	58734.55	28.9	58742.603	18	-73	386848.847	6909974.34	28.9	00018N	9.2	99	57550.16	2.34	280	121143	386853.27	6909973.301	24.8
L18	58948.5	26.2	58956.553	23	-76	386855.501	6909982.41	26.2	00018N	9.9	99	57764.1	2.44	290	121208	386858.4773	6909982.707	24.8
L18	58818.85	24.9	58826.903	28	-74	386860.301	6909988.24	24.9	00018N	11.6	99	57634.51	2.44	300	121253	386862.578	6909989.292	24.8
L18	58690.8	23.9	58698.853	18	-70	386866.508	6909995.76	23.9	00018N	13.9	99	57506.33	2.24	310	121324	386869.844	6909996.204	24.8
L18	58516.16	19.6	58524.213	38	-67	386873.34	6910004.05	19.6	00018N	13.1	99	57331.66	2.37	320	121405	386877.9777	6910003.669	24.8
L18	58557.83		58565.8829	34	89	386878.596	6910010.42	-21.8	00018N	-10.9	99	57373.36	1.47	330	121451	386881.783	6910011.262	24.8
L18	58441.39	14.8	58449.443	20	-60	386885.453	6910018.74	14.8	00018N	15.8	99	57257.05	0.98	340	121525	386889.943	6910018.759	24.8
L18	58277.98		58286.033	23	91	386891.752	6910026.38	-18.6	00018N	-8	99	57093.05	1.44	350	122553	386894.8267	6910027.69	24.8
L18	58350.58		58358.6329	25	92	386896.831	6910032.54	-17.3	00018N	-10.5	99	57165.66	1.47	360	122619	386900.11	6910033.97	24.8
L18	58444.4	6.7	58452.453	72	-54	386903.589	6910040.74	6.7	00018N	17.1	99	57259.7	1.39	370	122656	386905.439	6910043.501	24.8
L18	58436.71		58444.763	20	2	386910.575	6910049.21	-22.4	00018N	-20.9	99	57252.1	0.31	380	122743	386914.7063	6910049.948	24.8
L18	58375.67	-4.2	58383.723	45	115	386915.841	6910055.6	-4.2	00018N	-10.6	99	57191.11	0.95	390	122820	386919.724	6910056.821	24.8
L18	58160	-8.6	58168.053	42	-22	386923.421	6910064.79	-8.6	00018N	-33.6	99	56975.43	0.36	400	122858	386924.7292	6910068	24.8
L18	58012.34	-30.3	58020.393	112	-91	386930.055	6910072.84	-30.3	00018N	-26.9	99	56827.63	0.55	410	123019	386932.6393	6910075.234	24.8
L18	57944.15	-34.6	57952.203	122	-127	386935.791	6910079.79	-34.6	00018N	-24.1	99	56759.42	0.68	420	123055	386938.3427	6910082.541	24.8
L18	57790		57798.053	75	-127	386942.27	6910087.65	-42.3	00018N	-33.3	99	56605.27	1.14	430	123212	386943.608	6910091.589	24.8
L18	57792.5	-26.4	57800.553	45	-103	386948.918	6910095.72	-26.4	00018N	-17.9	99	56607.83	1.74	440	123306	386952.6953	6910097.319	24.8
L18	57881.48		57889.533	22	-27	386955.611	6910103.83	-2.2	00018N	-82.9	99	56696.84	0.54	450	123604	386959.5947	6910105.647	24.8
L18	58132.56	-36.6	58140.613	96	-127	386962.886	6910112.66	-36.6	00018N	-35	99	56947.91	1.23	460	123639	386963.03	6910116.89	24.8
L18	58738.79		58746.843	33	-74	386968.45	6910119.41	-14.5	00018N	-27.5	99	57554.29	1.24	470	123852	386970.338	6910122.129	24.8
L18	59084.65	-19.2	59092.703	68	-50	386975.338	6910127.76	-19.2	00018N	-27.3	99	57899.84	1.31	480	124155	386976.5533	6910131.363	24.8
L18	58930.99	-23.9	58939.043	74	-60	386980.241	6910133.71	-23.9	00018N	-37.6	99	57744.6	1.47	490	124724	386982.562	6910136.526	24.8
L18	58623.56	-29.7	58631.613	43	-108	386987.806	6910142.88	-29.7	00018N	-38.9	99	57436.81	1.79	500	124824	386990.458	6910145.858	24.8
L18	58333.22	-21.7	58341.273	31	-71	386993.187	6910149.41	-21.7	00018N	-64.2	99	57146.31	1.19	510	124859	386996.3793	6910152.226	24.8
L18	58626.46	-31.8	58634.513	75	-78	387001.592	6910159.6	-31.8	00018N	-35.4	99	57438.79	1.68	520	125424	387008.0053	6910159.245	24.8
L18	58701.75		58709.803	56	65	387006.606	6910165.68	39.6	00018N	-6.7	99	57514.01	1.33	530	125517	387010.6223	6910166.913	24.8
L18	58695.82		58703.873	31	103	387013.346	6910173.86	50	00018N	-6.3	99	57508.01	1.66	540	125623	387016.7027	6910175.95	24.8
L18	58696.9	-33	58704.953	33	-69	387019.101	6910180.84	-33	00018N	-64.2	99	57509.06	1.18	550	125712	387023.6547	6910182.126	24.8
L18	58740.53	-39.9	58748.583	34	-107	387025.917	6910189.1	-39.9	00018N	-43.4	99	57552.79	1.74	560	125803	387027.8413	6910192.313	24.8
L18	58780.14		58788.193	26	88	387032.184	6910196.71	60.1	00018N	-21.9	99	57592.38	1.42	570	125941	387036.4663	6910197.62	24.8
L18	58888.09	-49.1	58896.143	66	-127	387040.025	6910206.22	-49.1	00018N	-29.6	99	57700.3	2.21	580	130113	387043.2907	6910208.296	24.8
L18	58810.33		58818.3829	11	-21	387044.221	6910211.3	-27.4	00018N	-117.3	99	57622.68	0.74	590	130246	387047.02	6910213.958	24.8
L18	58781.86	-55.4	58789.913	37	-120	387050.896	6910219.4	-55.4	00018N	-54	99	57594.1	1.94	600	130413	387055.24	6910220.943	24.8
L18	58717.33	-53.1	58725.3829	30	-92	387058.264	6910228.34	-53.1	00018N	-57.8	99	57529.51	1.49	610	130451	387063.67	6910229.351	24.8
L18	58911.99	-58.2	58920.043	35	-123	387065.037	6910236.55	-58.2	00018N	-44.3	99	57721.6	1.98	620	131458	387067.6393	6910239.549	24.8
L18	58861.97		58870.023	16	70	387070.517	6910243.2	63.7	00018N	3.6	99	57670.56	2.23	630	131650	387072.0697	6910247.216	24.8
L18	58918.21	-60.1	58926.263	15	-66	387077.921	6910252.18	-60.1	00018N	-38.3	99	57726.98	2.11	640	131837	387080.6753	6910255.528	24.8
L18	58921.12	-63.2	58929.173	39	-77	387080.751	6910255.61	-63.2	00018N	-32.5	99	57729.81	2.67	650	131922	387084.8353	6910257.431	24.8
L18	58900.01		58908.063	20	76	387087.267	6910263.51	67.7	00018N	12.1	99	57708.46	2.43	660	132006	387093.056	6910264.01	24.8
L18	58920.99	-67.4	58929.043	17	-72	387095.705	6910273.75	-67.4	00018N	-47	99	57729.07	2.29	670	132137	387100.5727	6910275.385	24.8
L18	58934.44		58942.493	96	-6	387101.621	6910280.92	59.6	00018N	20.2	99	57742.29	2.97	680	132228	387105.822	6910283.374	24.8
L18	58822.58	-64.3	58830.6329	38	-72	387109.534	6910290.52	-64.3	00018N	-33.4	99	57632.56	2.53	690	133812	387112.852	6910294.056	24.8
L18	59065.98	-68.1	59074.033	52	-63	387115.125	6910297.3	-68.1	00018N	-42	99	57875.77	2.53	700	133858	387120.7927	6910298.365	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L18	59143.67		59151.723	21	83	387121.442	6910304.96	72.9	00018N	6.1	99	57953.55	2.65	710	134006	387126.32	6910306.946	24.8
L18	59183.18	-66.4	59191.233	36	-93	387128.048	6910312.97	-66.4	00018N	-33.8	99	57993.13	3.08	720	134059	387128.0159	6910317.485	24.8
L18	58902.85	-58.4	58910.903	20	-88	387137.82	6910324.83	-58.4	00018N	-48.9	99	57712.52	2.78	730	134201	387141.9223	6910324.967	24.8
L18	58755.97	-48.6	58764.023	56	-104	387141.831	6910329.69	-48.6	00018N	-17.9	99	57565.38	3.66	740	134243	387146.7583	6910329.281	24.8
L18	58816.48	-44.9	58824.533	14	-89	387149.436	6910338.92	-44.9	00018N	-17.3	99	57625.77	2.78	750	134310	387152.9463	6910339.899	24.8
L18	59011.98	-43.7	59020.033	20	-106	387153.574	6910343.93	-43.7	00018N	-11.6	99	57821.2	3.33	760	134340	387155.5547	6910346.056	24.8
L18	59244.05	-43.2	59252.103	45	-58	387159.229	6910350.79	-43.2	00018N	-14	99	58053.04	2.29	770	134416	387161.5527	6910352.949	24.8
L18	59450.34	-45.8	59458.393	25	-95	387165.771	6910358.73	-45.8	00018N	-13.8	99	58259.09	3.03	780	134449	387166.7507	6910362.155	24.8
L18	59590.49	-46.2	59598.543	22	-99	387171.168	6910365.27	-46.2	00018N	-13.6	99	58399.15	3.14	790	134543	387172.598	6910368.626	24.8
L18	59306.6	-47.7	59314.653	30	-110	387180.248	6910376.29	-47.7	00018N	-16.3	99	58115.5	3.51	800	134814	387185.7417	6910375.147	24.8
L18	58906.5	-43.8	58914.553	58	-110	387186.464	6910383.83	-43.8	00018N	-12.2	99	57715.69	3.83	810	134854	387187.8043	6910384.977	24.8
L18	59110.48	-41.3	59118.533	20	-101	387191.933	6910390.46	-41.3	00018N	-8.8	99	57919.71	3.18	820	134924	387195.114	6910389.944	24.8
L18	59374.86	-42.8	59382.913	32	-106	387197.562	6910397.29	-42.8	00018N	-11.3	99	58184.47	3.41	830	134958	387197.4547	6910398.733	24.8
L18	59315.2	-45.9	59323.253	68	-96	387206.109	6910407.65	-45.9	00018N	-13.6	99	58124.95	3.64	840	135030	387204.76	6910410.453	24.8
L18	59346.64	-45.8	59354.693	43	-109	387211.489	6910414.18	-45.8	00018N	-11	99	58156.58	3.63	850	135108	387213.1333	6910412.797	24.8
L18	59282.07	-44.7	59290.123	73	-102	387218.896	6910423.16	-44.7	00018N	-10.7	99	58092.15	3.87	860	135141	387217.574	6910423.91	24.8
L18	59205.74	-46.7	59213.793	41	-114	387226.037	6910431.82	-46.7	00018N	-7.9	99	58016.28	3.75	870	135220	387227.2193	6910430.245	24.8
L18	59202.85	-44.3	59210.903	72	-107	387233.097	6910440.39	-44.3	00018N	-10.7	99	58013.35	3.99	880	135248	387233.23	6910439.942	24.8
L18	58683.55	-42.3	58691.603	94	-100	387238.346	6910446.75	-42.3	00018N	-11.3	99	57494.07	4.23	890	135313	387239.7047	6910445.421	24.8
L18	58629.9	-42.4	58637.953	97	-98			-42.4	00018N	-12.7	99	57440.58	4.26	900	135403	387245.5613	6910455.504	24.8
L19	58470.88	42.9	58474.158	39	-108	386746	6909693.53	-42.9	00019N	-7	99	57322.31	3.53	0	162254	386746.002	6909693.53	24.8
L19	58473.45	44.4	58476.728	29	-95	386752.8	6909701.74	-44.4	00019N	-11.7	99	57324.96	3.07	10	162222	386752.4503	6909702.817	24.8
L19	58537.99	44.1	58541.268	43	-102	386759.738	6909710.11	-44.1	00019N	-11.1	99	57389.45	3.42	20	162143	386761.4453	6909710.039	24.8
L19	58601.2	44.5	58604.478	40	-97	386765.677	6909717.28	-44.5	00019N	-12	99	57452.62	3.24	30	162115	386768.112	6909717.324	24.8
L19	58654.29	41.8	58657.568	36	-92	386770.772	6909723.43	-41.8	00019N	-12.2	99	57505.72	3.07	40	162049	386770.6153	6909725.416	24.8
L19	58643.71	41.8	58646.988	35	-92	386777.812	6909731.93	-41.8	00019N	-11.3	99	57495.15	3.05	50	162004	386779.923	6909732.512	24.8
L19	58654.97	40.2	58658.248	44	-93	386783.453	6909738.74	-40.2	00019N	-10	99	57506.19	3.19	60	161926	386784.9593	6909740.426	24.8
L19	58560.7	34.2	58563.978	76	-79	386790.998	6909747.85	-34.2	00019N	-5.7	99	57412.06	3.41	70	161836	386791.785	6909750.95	24.8
L19	58444.46	34	58447.738	36	-88	386796.381	6909754.34	-34	00019N	-5.6	99	57295.73	2.93	80	161805	386799.16	6909756.02	24.8
L19	58347.2	30.5	58350.478	43	-92	386802.373	6909761.58	-30.5	00019N	-3.6	99	57198.48	3.14	90	161735	386804.1233	6909764.658	24.8
L19	58282.55	31	58285.828	54	-89	386808.42	6909768.88	-31	00019N	-3.8	99	57133.67	3.23	100	161713	386810.026	6909772.799	24.8
L19	58362.89	33.4	58366.168	20	-50	386819.638	6909782.42	-33.4	00019N	-1	99	57213.89	1.66	110	161557	386822.69	6909786.49	24.8
L19	58326.86	32.8	58330.138	39	-89	386825.45	6909789.43	-32.8	00019N	-5.3	99	57177.88	3.01	110	161645	386816.65	6909778.946	24.8
L19	58360.72	34.8	58363.998	29	-90	386831.365	6909796.57	-34.8	00019N	-4.6	99	57211.68	2.92	120	161620	386822.8223	6909786.602	24.8
L19	58431.96	36	58435.238	22	-71	386839.536	6909806.44	-36	00019N	-4.8	99	57282.69	2.31	130	161503	386831.4823	6909797.069	24.8
L19	58612.96	34.1	58616.238	41	-84	386845.503	6909813.64	-34.1	00019N	-7.5	99	57463.58	2.89	140	161436	386837.183	6909805.19	24.8
L19	58564.7		58567.978	59	-124	386849.635	6909818.63	-49	00019N	-7	99	57415	2.12	150	161405	386842.345	6909809.723	24.8
L19	58557.14	31.5	58560.418	16	-26	386856.627	6909827.07	-31.5	00019N	-8.1	99	57407.27	0.95	160	161323	386848.8773	6909819.34	24.8
L19	58781.06	35.9	58784.338	63	-79	386862.789	6909834.51	-35.9	00019N	-10.8	99	57630.9	3.11	170	161250	386856.412	6909826.282	24.8
L19	58784.77		58788.048	34	60	386867.166	6909839.79	26.4	00019N	13.1	99	57634.51	1.06	180	161203	386861.48	6909831.505	24.8
L19	58824.39	32.2	58827.668	17	-42	386875.881	6909850.31	-32.2	00019N	-4.5	99	57673.91	1.4	190	161124	386868.9247	6909843.935	24.8
L19	58682.3	31	58685.578	34	-88	386880.297	6909855.64	-31	00019N	-4.1	99	57531.94	2.92	200	161059	386873.7296	6909849.487	24.8
L19	58516.89		58520.168	54	-127	386884.947	6909861.25	-43.6	00019N	-8.3	99	57366.33	2.13	210	161013	386878.9693	6909855.172	24.8
L19	58351.25		58354.528	32	-17	386892.348	6909870.19	-21.4	00019N	0.6	99	57200.42	1.13	220	160912	386888.154	6909863.361	24.8
L19	58435.64	32.8	58438.918	18	-54	386897.904	6909876.89	-32.8	00019N	-5.7	99	57284.95	1.75	230	160847	386892.867	6909871.307	24.8
L19	58618.63	33.8	58621.908	23	-63	386904.857	6909885.29	-33.8	00019N	-10.7	99	57467.77	2.09	240	160800	386901.4681	6909879.03	24.8
L19	58619.11	34.9	58622.388	37	-81	386911.04	6909892.75	-34.9	00019N	-13.2	99	57468.19	2.76	250	160735	386906.102	6909888.207	24.8
L19	58705.98	31.4	58709.2579	23	-65	386917.744	6909900.84	-31.4	00019N	-10	99	57555.05	2.12	260	160703	386915.032	6909894.878	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L19	58662.15	33.7	58665.428	50	-127	386923.8	6909908.15	-33.7	00019N	-14.8	99	57511.29	2.1	270	160622	386919.297	6909903.999	24.8
L19	58516.8	27.5	58520.078	39	-89	386929.807	6909915.4	-27.5	00019N	-13.8	99	57366	1.5	280	160543	386926.2563	6909911.162	24.8
L19	58597.98	27	58601.2579	40	-82	386935.991	6909922.87	-27	00019N	-13.4	99	57447.16	1.4	290	160458	386932.6813	6909919.19	24.8
L19	58477.63	24.4	58480.908	34	-77	386942.09	6909930.23	-24.4	00019N	-15.2	99	57326.75	1.3	300	160413	386939.1713	6909926.98	24.8
L19	58445.3	20.9	58448.578	35	-51	386948.248	6909937.66	-20.9	00019N	-16.5	99	57294.34	0.96	310	160328	386946.9433	6909933.647	24.8
L19	58474.76	23.2	58478.038	26	-40	386953.42	6909943.91	-23.2	00019N	-19.8	99	57322.94	1.48	320	160024	386950.971	6909941.243	24.8
L19	58529.25	23.3	58532.528	54	-122	386958.943	6909950.57	-23.3	00019N	-24.4	99	57377.27	2.05	330	155915	386957.2857	6909947.912	24.8
L19	58579.87		58583.148	127	118	386965.259	6909958.2	36.4	00019N	30.9	99	57427.46	1.34	340	155728	386963.178	6909956.603	24.8
L19	58691.78		58695.058	33	28	386972.828	6909967.33	20	00019N	-3.3	99	57539.41	0.67	350	155640	386972.3617	6909965.207	24.8
L19	58600.64	11.4	58603.918	48	-94	386978.39	6909974.05	-11.4	00019N	-20.2	99	57448.64	1.63	350	155451	386976.37	6909973.542	24.8
L19	58563.58		58566.858	37	64	386984.4	6909981.3	3.5	00019N	19.1	99	57411.78	1.14	360	155351	386984.8893	6909978.763	24.8
L19	58600.01	10	58603.288	58	-59	386990.405	6909988.55	-10	00019N	-12.5	99	57447.76	1.28	360	155544	386976.39	6909973.525	24.8
L19	58485.03	1.5	58488.308	46	-104	387002.266	6910002.87	-1.5	00019N	-13.5	99	57333.19	1.76	370	155317	386990.338	6909987.466	24.8
L19	58554.4	-0.5	58557.678	89	125	387007.206	6910008.83	0.5	00019N	18.1	99	57402.38	1.18	380	155246	386993.3873	6909995.093	24.8
L19	58517.59	-5.1	58520.868	109	-87	387010.453	6910012.75	5.1	00019N	-11.2	99	57365.38	1.07	390	155209	386995.5347	6910000.046	24.8
L19	58417.49	-17.4	58420.768	101	-127	387015.977	6910019.42	17.4	00019N	-4.3	99	57264.78	1.25	400	155119	387003.55	6910004.53	24.8
L19	58215.83	-13	58219.108	36	-50	387020.626	6910025.03	13	00019N	3.7	99	57061.85	0.96	410	154852	387007.4357	6910011.212	24.8
L19	58076.16	-19	58079.438	40	-70	387026.995	6910032.72	19	00019N	7.6	99	56921.44	1.24	420	154518	387014.1433	6910019.407	24.8
L19	57837.77		57841.048	127	127	387032.524	6910039.39	-34	00019N	-5.3	99	56682.81	1.39	430	154300	387020.1702	6910026.349	24.8
L19	57781.47	-14.4	57784.748	35	-34	387040.085	6910048.52	14.4	00019N	25.2	99	56626.37	0.76	440	154052	387028.8127	6910035.478	24.8
L19	57847.03	-21.6	57850.308	35	-61	387045.237	6910054.74	21.6	00019N	18.7	99	56691.01	1.08	450	153845	387034.2347	6910042.108	24.8
L19	57891.14	-27.7	57894.418	71	-116	387050.398	6910060.97	27.7	00019N	12.8	99	56734.73	2.09	460	153802	387040.623	6910047.839	24.8
L19	57793.94	-31	57801.993	30	84	387056.786	6910068.68	31	00019N	-10.1	99	56608.89	1.37	470	143926	387047.356	6910056.052	24.8
L19	57792.5		57800.553	23	-33	387063.047	6910076.24	-13.7	00019N	-14.9	99	56607.14	1.26	480	143852	387054.5783	6910063.549	24.8
L19	58154.7	-17.7	58162.753	38	123	387070.989	6910085.82	17.7	00019N	-5.8	99	56969.3	1.98	490	143826	387062.3427	6910074.229	24.8
L19	58458.83	-22.7	58466.8829	37	109	387076.571	6910092.56	22.7	00019N	-7.7	99	57273.32	1.78	500	143757	387066.9003	6910082.314	24.8
L19	58553.51	-28.8	58561.563	13	47	387082.685	6910099.94	28.8	00019N	-5.3	99	57368	1.52	510	143726	387072.8233	6910090.577	24.8
L19	58617.39	-27.6	58625.443	27	71	387087.604	6910105.88	27.6	00019N	5.9	99	57432.09	2.35	520	143657	387078.4567	6910096.505	24.8
L19	58673.67	-35.6	58681.723	16	50	387094.145	6910113.78	35.6	00019N	-2.6	99	57488.54	1.62	530	143620	387086.4543	6910103.875	24.8
L19	58764.3	-34.9	58772.353	33	64	387099.569	6910120.32	34.9	00019N	8.8	99	57579.18	2.23	540	143543	387093.2613	6910109.789	24.8
L19	58728.91	-46.4	58736.963	24	60	387105.041	6910126.93	46.4	00019N	2.7	99	57543.67	2.02	550	143513	387099.11	6910116.76	24.8
L19	58856.99	-48.9	58865.043	28	60	387113.743	6910137.43	48.9	00019N	6.6	99	57671.54	2.05	560	143417	387107.544	6910128.515	24.8
L19	58841.83	-54.4	58849.8829	53	125	387118.988	6910143.76	54.4	00019N	15.7	99	57656.29	2.09	570	142348	387113.7037	6910134.689	24.8
L19	58851.49	-59.1	58859.543	32	116	387124.441	6910150.35	59.1	00019N	6.5	99	57665.8	1.86	580	142303	387117.803	6910142.775	24.8
L19	58901.49	-57.6	58909.543	16	48	387130.017	6910157.08	57.6	00019N	9.8	99	57715.57	1.58	590	142233	387122.8	6910150.585	24.8
L19	58921.93	-59.8	58929.983	21	74	387136.829	6910165.3	59.8	00019N	15	99	57735.68	2.39	600	142153	387128.894	6910160.13	24.8
L19	58873.58	-58.9	58881.6329	24	75	387142.448	6910172.08	58.9	00019N	15.4	99	57687.19	2.44	610	142040	387134.9827	6910167.216	24.8
L19	58811.7	-69.3	58819.753	60	126	387148.726	6910179.66	69.3	00019N	19.6	99	57625.08	2.15	620	142006	387144.914	6910170.432	24.8
L19	58689.13		58697.183	66	127	387155.617	6910187.98	100.7	00019N	3.9	99	57502.31	1.1	630	141940	387148.811	6910181.206	24.8
L19	58840.93		58848.983	49	-103	387162.819	6910196.67	-59.7	00019N	-81.4	99	57654.12	0.87	640	141903	387157.3253	6910189.625	24.8
L19	58949.3		58957.353	14	-40	387167.632	6910202.48	-51.8	00019N	-46.4	99	57762.15	1.3	650	141737	387161.9307	6910196.169	24.8
L19	58730.29	-62.9	58738.343	16	71	387173.462	6910209.52	62.9	00019N	0.2	99	57542.92	2.25	660	141705	387164.71	6910205.457	24.8
L19	59004.51		59012.563	31	-85	387181.32	6910219	-57.9	00019N	-26.3	96	57817.09	2.78	670	141627	387172.6973	6910215.794	24.8
L19	58799.28		58807.333	41	-125	387187.289	6910226.21	-67.1	00019N	-49.1	99	57611.44	2.03	680	141406	387181.264	6910220.806	24.8
L19	58837.94		58845.993	37	-115	387192.065	6910231.97	-62.8	00019N	-51.3	99	57650.04	1.86	690	141336	387187.12	6910226.168	24.8
L19	58601.01		58609.063	23	-42	387198.729	6910240.02	-51.1	00019N	-51.4	99	57412.71	1.51	700	141247	387194.523	6910234.412	24.8
L19	58652.31		58660.363	40	-79	387205.168	6910247.79	-53.7	00019N	-26.3	99	57463.71	2.73	710	141157	387201.38	6910242.635	24.8
L19	58777.56	-80.9	58785.613	47	127	387211.394	6910255.31	80.9	00019N	1.3	99	57588.61	2.09	720	141106	387207.814	6910250.744	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L19	58644.73		58652.783	60	-75	387216.995	6910262.07	-56.6	00019N	-34.5	99	57455.51	1.49	730	141006	387210.8703	6910259.541	24.8
L19	58677.42	-52.9	58685.473	14	43	387222.607	6910268.84	52.9	00019N	-12.8	99	57488.32	1.4	740	140922	387215.687	6910267.531	24.8
L19	58900.62	-52.3	58908.673	18	77	387229.641	6910277.33	52.3	00019N	4.5	99	57711.37	2.44	750	140840	387225.1697	6910274.376	24.8
L19	58859.85		58867.903	44	-127	387235.627	6910284.56	-71.3	00019N	-28.5	99	57670.56	2.08	760	140810	387232.375	6910281.243	24.8
L19	58991.64		58999.693	30	-91	387241.295	6910291.4	-62.1	00019N	-38.7	99	57802.06	1.48	770	140731	387238.3353	6910288.541	24.8
L19	58935.41		58943.463	67	-69	387247.7	6910299.13	-57.9	00019N	-34	99	57745.73	1.49	780	140650	387243.896	6910297.624	24.8
L19	58833.56	-56.6	58841.613	15	38	387254.017	6910306.76	56.6	00019N	-6.4	99	57643.64	1.29	790	140618	387249.796	6910306.314	24.8
L19	58700.47	-54.6	58708.523	16	85	387260.57	6910314.67	54.6	00019N	4.9	99	57510.54	2.67	800	140553	387259.845	6910310.521	24.8
L19	58815.45	-51.9	58823.503	18	85	387266.045	6910321.28	51.9	00019N	7.6	99	57625.44	2.68	810	140524	387264.0807	6910318.579	24.8
L19	58922.17	-51.9	58930.223	18	90	387274.112	6910331.01	51.9	00019N	3.9	99	57732.16	2.84	820	140450	387272.12	6910329.315	24.8
L19	59154.13	-51	59162.183	7	20	387280.515	6910338.74	51	00019N	-11.1	99	57963.86	1.32	830	140415	387278.66	6910337.715	24.8
L19	59304.58	-50.7	59312.6329	11	57	387284.917	6910344.06	50.7	00019N	5.8	99	58114.43	3.61	840	140341	387284.8633	6910341.6	24.8
L19	59400.51	-49.4	59408.563	20	56	387290.794	6910351.15	49.4	00019N	11.4	99	58210.21	3.72	850	140316	387289.4353	6910350.236	24.8
L19	59015.28	-45.2	59023.333	26	63	387296.99	6910358.63	45.2	00019N	8.8	99	57824.86	4.24	860	140250	387297.808	6910356.238	24.8
L19	58711.03	-40.8	58719.083	21	62	387304.511	6910367.71	40.8	00019N	9.6	99	57520.67	4.05	870	140210	387304.459	6910366.827	24.8
L19	58714.47	-37.5	58722.523	13	63	387310.127	6910374.49	37.5	00019N	8.5	99	57524.3	3.96	880	140143	387308.62	6910375.186	24.8
L19	58666.92	-34.3	58674.973	15	60	387316.318	6910381.96	34.3	00019N	7.3	99	57476.6	3.84	890	140118	387318.0767	6910379.253	24.8
L19	58676.7	-32.4	58684.753	16	65	387323.347	6910390.45	32.4	00019N	10.3	99	57486.27	4.13	900	140048	387323.6567	6910389.521	24.8
L19	58632.16	-31.7	58640.213	29	63	387328.744	6910396.96	31.7	00019N	9.6	99	57442.19	4.31	910	135941	387327.0533	6910397.827	24.8
L19	58539.85	-31.1	58547.903	13	57			31.1	00019N	14.2	99	57350.12	3.64	920	135850	387334.852	6910404.33	24.8
L2	58025.39	-5.1	58034.025	14	-85	385432.72	6910778.47	-5.1	00002N	-1.2	99	56859.39	2.65	0	103357	385432.718	6910778.472	
L2	58001.64	-8.1	58010.275	90	-86	385439.036	6910786.06	-8.1	00002N	-4.6	99	56835.14	3.84	10	103509	385442.296	6910782.21	
L2	58087.96	-8	58096.595	24	-110	385445.757	6910794.14	-8	00002N	-2.6	99	56921.28	3.48	20	103534	385452.11	6910787.05	
L2	58058.6	-6.5	58067.235	13	-96	385451.829	6910801.43	-6.5	00002N	5.5	99	56891.13	2.99	30	103604	385456.1703	6910796.063	
L2	58014.18	4.9	58022.815	12	83	385457.825	6910808.64	4.9	00002N	6.4	99	56845.94	2.6	40	103643	385458.2973	6910805.589	
L2	58011.47	5.6	58020.105	9	49	385464.625	6910816.81	5.6	00002N	8.9	99	56843.5	1.54	50	103731	385465.3727	6910814.104	
L2	58064.5	7.7	58073.135	25	118	385471.572	6910825.16	7.7	00002N	8	99	56895.94	1.87	60	103757	385471.508	6910823.606	
L2	58032.13	6.5	58040.765	32	77	385477.59	6910832.39	6.5	00002N	6.6	99	56862.51	1.29	70	103824	385476.5273	6910832.02	
L2	58061.3	-11	58069.935	22	-126	385484.094	6910840.21	-11	00002N	3.4	99	56891.36	1.97	80	103852	385484.204	6910839.313	
L2	58026.31	-9.2	58034.945	54	-104	385490.523	6910847.93	-9.2	00002N	-2.1	99	56856.37	3.64	90	103916	385487.7837	6910849.148	
L2	58022.98	-9.6	58031.615	45	-108	385496.631	6910855.27	-9.6	00002N	-2.7	99	56852.88	3.61	100	103940	385496.9	6910853.12	
L2	57969.98	-9	57978.615	19	-108	385503.256	6910863.23	-9	00002N	-1.4	99	56799.61	3.39	110	104010	385503.541	6910861.619	
L2	57939.36	9.1	57947.995	11	85	385510.369	6910871.78	9.1	00002N	9.7	99	56768.84	2.64	120	104042	385510.9167	6910870.547	
L2	57957.03	-7.6	57965.665	9	-75	385515.938	6910878.47	-7.6	00002N	0.4	99	56786.32	2.34	130	104103	385513.724	6910879.166	
L2	57943.33	8.4	57951.965	12	84	385521.56	6910885.23	8.4	00002N	6.5	99	56772.31	2.62	140	104126	385518.198	6910887.152	
L2	57938.05	-8.9	57946.685	37	-113	385528.845	6910893.99	-8.9	00002N	-0.7	99	56764.41	3.68	150	104407	385526.7887	6910895.329	
L2	57931.01	-9.3	57939.645	44	-112	385534.644	6910900.95	-9.3	00002N	-2.9	99	56756.99	3.71	160	104426	385533.832	6910901.614	
L2	57937.24	-11.5	57945.875	37	-111	385540.698	6910908.23	-11.5	00002N	-3.5	99	56762.88	3.62	170	104444	385540.712	6910908.671	
L2	57919.95	-12.4	57928.585	58	-111	385548.348	6910917.42	-12.4	00002N	-5.5	99	56745.28	3.88	180	104502	385548.5227	6910918.372	
L2	57924.41	-11.9		64	-112	385554.432	6910924.73	-11.9	00002N	-6.1	95	56749.6	3.98	190	104518	385555.5753	6910925.326	
L2	57897.95	-9.4	57906.585	85	-106	385559.957	6910931.37	-9.4	00002N	-5.1	99	56723.36	4.2	200	104537	385563.632	6910929.327	
L2	57916.74	-6	57925.375	54	-117	385565.898	6910938.51	-6	00002N	-5.5	99	56742.15	3.98	210	104554	385570.4063	6910936.231	
L2	57884.91	4	57893.545	64	-125	385576.275	6910950.98	4	00002N	-2.7	99	56710.06	4.34	220	104626	385586.6167	6910940.983	
L2	58092.41	15.4	58101.045	22	-61	385582.92	6910958.97	15.4	00002N	0.3	99	56917.27	4.03	230	104644	385596.185	6910946.032	
L2	58068.5	-21.6		30	54	385589.376	6910966.73	-21.6	00002N	-11.1	94	56893.12	3.84	240	104708	385599.31	6910956.067	
L2	58005.29	-17.1	58013.925	21	52	385600.352	6910979.92	-17.1	00002N	-8.8	99	56830.07	3.49	250	104841	385591.7873	6910972.276	
L2	57923.51	-14.6	57932.145	29	50	385605	6910985.5	-14.6	00002N	-5	99	56748.26	3.58	260	104905	385595.3457	6910978.953	
L2	58030.18	3	58038.815	18	-94	385616.419	6910999.22	3	00002N	-0.7	99	56854.94	1.48	270	105330	385612.47	6910986.19	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L2	58029.65	-3.7	58038.285	55	127	385623.302	6911007.5	-3.7	00002N	2.1	99	56854.62	2.14	280	105351	385613.6887	6910997.329	
L2	57963.78	-4.2	57972.415	15	94	385627.666	6911012.74	-4.2	00002N	-0.7	99	56788.92	2.93	290	105407	385613.556	6911004.432	
L2	57937.41	2.2	57946.045	88	-85	385633.241	6911019.44	2.2	00002N	2.3	99	56763	3.79	300	105432	385619.7213	6911011.093	
L2	57951.89	2.3	57960.525	49	-101	385639.871	6911027.41	2.3	00002N	2	99	56777.32	3.48	310	105511	385629.166	6911016.32	
L2	57981.34	1.9	57989.975	22	-105	385646.47	6911035.34	1.9	00002N	3.5	99	56806.73	3.31	320	105608	385635.4233	6911025.053	
L2	57990.48	0.7	57999.115	25	-107	385652.435	6911042.51	0.7	00002N	4.3	99	56816.36	3.39	330	105638	385642.0287	6911032.171	
L2	58003.06	-1.3	58011.695	37	-106	385658.397	6911049.67	-1.3	00002N	3.9	99	56829.36	3.47	340	105709	385646.6057	6911040.731	
L2	57979.22	-3.8	57987.855	55	-102	385665.022	6911057.63	-3.8	00002N	2.1	99	56806.43	3.57	350	105759	385653.9743	6911048.606	
L2	57968.42	-5.7	57977.055	53	-104	385672.083	6911066.12	-5.7	00002N	2.2	99	56796.52	3.59	360	105851	385663.357	6911055.248	
L2	57951.46	-6.5	57960.095	96	-84	385678.387	6911073.69	-6.5	00002N	2.4	99	56779.6	3.92	370	105926	385672.8957	6911059.033	
L2	57943.05	-6.7	57951.685	21	-110	385684.05	6911080.5	-6.7	00002N	4.2	99	56771.15	3.46	380	110015	385679.098	6911065.855	
L2	57967.24	8.5	57975.875	10	74	385690.759	6911088.56	8.5	00002N	1.4	99	56795.82	2.31	390	110044	385685.314	6911074.835	
L2	57975.28	7.7	57983.915	16	35	385697.26	6911096.37	7.7	00002N	1.4	99	56803.98	1.19	400	110106	385690.45	6911084.09	
L2	57991.28	-6	57999.915	19	-72	385703.25	6911103.57	-6	00002N	6.7	99	56819.87	1.14	410	110131	385696.875	6911091.427	
L2	58020.9	-15.4	58029.535	49	-127	385710.453	6911112.23	-15.4	00002N	2.2	99	56849.58	2.1	420	110153	385703.571	6911101.053	
L2	58006.51	-4.9	58015.145	33	-114	385716.138	6911119.06	-4.9	00002N	0.5	99	56835.32	3.66	430	110210	385709.077	6911108.493	
L2	57989.28	-4.2	57997.915	22	-117	385722.625	6911126.85	-4.2	00002N	0.8	99	56818.46	3.67	440	110229	385716.8827	6911115.605	
L2	58001.72	-1.8	58010.355	47	-112	385728.373	6911133.76	-1.8	00002N	1.6	99	56831.08	3.74	450	110246	385723.2667	6911122.447	
L2	58027.75	1.1	58036.385	26	-115	385735.928	6911142.84	1.1	00002N	4.4	99	56857.24	3.64	460	110305	385730.6707	6911132.269	
L2	58012.21	1.2	58020.845	31	-109	385740.842	6911148.75	1.2	00002N	3.9	99	56841.65	3.5	470	110320	385735.322	6911138.778	
L2	58031.63	-0.7	58040.265	41	-109	385747.844	6911157.16	-0.7	00002N	2.9	99	56861.06	3.58	480	110339	385740.2083	6911149.077	
L2	58040.56	-0.7	58049.195	32	-108	385752.918	6911163.26	-0.7	00002N	1.5	99	56870.01	3.48	490	110358	385746.0317	6911154.936	
L2	58039.57	-3.4	58048.205	40	-108	385759.596	6911171.28	-3.4	00002N	0.3	99	56869.21	3.56	500	110417	385753.4427	6911162.889	
L2	58029.52	-5.5	58038.155	39	-108	385765.97	6911178.94	-5.5	00002N	-0.6	99	56859.21	3.54	510	110435	385759.216	6911171.512	
L2	58011.6	-5.5	58020.235	9	-78	385772.059	6911186.26	-5.5	00002N	4.4	99	56841.25	2.42	520	110457	385765.65	6911179.053	
L2	58059.73	-9.4	58068.365	21	-93	385778.186	6911193.62	-9.4	00002N	2.3	99	56889.44	2.94	530	110517	385771.1973	6911187.345	
L2	58041.04	-10.9	58049.675	57	-106	385785.031	6911201.85	-10.9	00002N	-0.3	99	56870.72	3.72	540	110538	385778.746	6911195.542	
L2	58071.43	-11.8	58080.065	29	-111	385790.981	6911209	-11.8	00002N	-0.1	99	56901.33	3.56	550	110556	385786.415	6911201.46	
L2	58068.36	-11.5	58076.995	30	-113	385796.237	6911215.31	-11.5	00002N	0.7	99	56898.53	3.62	560	110614	385792.486	6911207.488	
L2	58058.69	-10.4	58067.325	20	-113	385803.397	6911223.92	-10.4	00002N	1.8	99	56889.13	3.55	570	110633	385800.062	6911216.347	
L2	58050.94	-9.8	58059.575	38	-113	385810.55	6911232.51	-9.8	00002N	1.7	99	56881.66	3.68	580	110654	385804.866	6911226.956	
L2	58064.21	-9.9	58072.845	44	-111	385816.839	6911240.07	-9.9	00002N	1.4	99	56895.16	3.68	590	110712	385811.6233	6911234.648	
L2	58080.82	-10.2	58089.455	47	-110	385821.005	6911245.08	-10.2	00002N	0.6	99	56912.5	3.71	600	110818	385816.7717	6911239.062	
L2	58076.58	-9.1	58085.215	14	-108	385827.994	6911253.48	-9.1	00002N	4.3	99	56908.35	3.37	610	110842	385821.1447	6911249.567	
L2	58073.42	-8.2	58082.055	23	-120	385833.578	6911260.19	-8.2	00002N	2	99	56905.24	3.78	620	110859	385826.4865	6911256.923	
L2	58064.85	-8.8	58073.485	55	-109	385840.826	6911268.9	-8.8	00002N	1.1	99	56896.73	3.79	630	110919	385832.51	6911267.07	
L2	58065.91	-9.9	58074.545	33	-116	385848.131	6911277.68	-9.9	00002N	-0.1	99	56897.9	3.72	640	110945	385840.9433	6911275.454	
L2	58064.19	-12	58072.825	68	-107	385853.721	6911284.39	-12	00002N	-2.8	99	56896.25	3.92	650	111003	385847.1667	6911282.095	
L2	58077.26	-12.5	58085.895	58	-117	385859.562	6911291.41	-12.5	00002N	-3.6	99	56909.48	4.03	660	111024	385853.19	6911289.452	
L2	58084.29	-8.6	58092.925	69	-119	385865.543	6911298.6	-8.6	00002N	-3.2	99	56916.66	4.26	670	111041	385860.13	6911296.284	
L2	58105.94	-2.3	58114.575	52	-123	385872.387	6911306.83	-2.3	00002N	-1.8	99	56938.61	4.12	680	111101	385868.458	6911303.686	
L2	58080.64	3.1	58089.275	32	-59	385877.947	6911313.51	3.1	00002N	-1.4	99	56913.48	4.2	690	111119	385874.3733	6911310.537	
L2	58081.49	6.1	58090.125	14	-63	385883.782	6911320.52	6.1	00002N	-0.5	99	56914.46	4.01	700	111138	385879.868	6911318.286	
L2	58094.09	5.7	58102.725	34	-55	385890.256	6911328.3	5.7	00002N	-0.6	99	56927.16	4.03	710	111202	385887.96	6911325.04	
L2	58109.51	6.3	58118.145	28	-58	385895.85	6911335.02	6.3	00002N	-0.6	99	56942.62	3.96	720	111219	385894.884	6911330.954	
L2	58128.65	6.9	58137.285	7	-55	385901.948	6911342.35	6.9	00002N	-1.1	99	56961.72	3.42	730	111241	385901.1067	6911338.689	
L2	58121.69	4.8	58130.325	16	-57	385908.804	6911350.59	4.8	00002N	-1.7	99	56954.9	3.66	740	111301	385905.9767	6911348.733	
L2	58131.49	2.9	58140.125	10	-56	385914.475	6911357.4	2.9	00002N	-2.3	99	56964.69	3.52	750	111320	385911.0303	6911356.459	

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L2	58131.41	2	58140.045	18	-55	385921.469	6911365.81	2	00002N	-2.9	99	56964.5	3.57	760	111351	385919.404	6911364.174	
L2	58140.13	-0.8	58148.765	20	-53	385927.538	6911373.1	-0.8	00002N	-3.3	99	56973.16	3.52	770	111413	385926.381	6911371.172	
L2	58149.16	-2.1	58157.795	14	-56	385933.862	6911380.7	-2.1	00002N	-4.7	99	56982.1	3.6	780	111437	385932.9323	6911379.114	
L2	58162.51	-2.6	58171.145	10	-55	385939.83	6911387.87	-2.6	00002N	-4.6	99	56995.4	3.46	790	111456	385938.2033	6911387.276	
L2	58176.03	-2.8	58184.665	7	-35	385945.008	6911394.09	-2.8	00002N	-8	99	57008.8	2.24	800	111516	385943.828	6911393.554	
L2	58188.84	-4.6	58197.475	30	-112	385952.051	6911402.56	-4.6	00002N	-5.6	99	57021.83	3.59	810	111546	385947.5107	6911404.412	
L2	58185.45	-3	58194.085	11	-58	385958.058	6911409.78	-3	00002N	-6.4	99	57017.72	1.84	820	112016	385954.418	6911411.337	
L2	58179.76	-5.2	58188.395	55	-111	385964.063	6911416.99	-5.2	00002N	-4	99	57012.05	3.82	830	112044	385960.656	6911418.864	
L2	58164.89	-5.4	58173.525	55	-110	385970.825	6911425.12	-5.4	00002N	-5	99	56997.11	3.81	840	112107	385969.512	6911425.402	
L2	58168.03	-4.3	58176.665	23	-116	385977.101	6911432.66	-4.3	00002N	-5.5	99	57000.03	3.64	850	112140	385975.656	6911433.566	
L2	58168.98	-1.7	58177.615	36	-118			-1.7	00002N	-4.5	99	57000.7	3.79	860	112204	385982.948	6911439.69	
L20	58460.85	19.2	58464.128	22	-61	386824.4	6909632.4	-19.2	00020N	-2.2	99	57304.12	1.99	0	144250	386824.3973	6909632.403	24.8
L20	58487.16	22	58490.438	67	-104	386830.776	6909640.14	-22	00020N	-1.9	99	57330.02	3.83	10	144402	386832.922	6909638.795	24.8
L20	58520.03	24.6	58523.308	47	-109	386836.395	6909646.96	-24.6	00020N	-3.1	99	57363.11	3.66	20	144439	386837.6127	6909646.93	24.8
L20	58536.98	24.8	58540.2579	99	-87	386842.195	6909654	-24.8	00020N	-4.1	99	57379.94	4.06	30	144522	386843.1903	6909654.859	24.8
L20	58572.5	26.8	58575.778	42	-104	386847.711	6909660.69	-26.8	00020N	-5.4	99	57415.71	3.47	40	144551	386850.17	6909660.88	24.8
L20	58656.43	27.8	58659.708	41	-97	386854.396	6909668.8	-27.8	00020N	-6	99	57499.58	3.26	50	144615	386853.9147	6909671.406	24.8
L20	58697.58	25.4	58700.858	34	-96	386860.717	6909676.47	-25.4	00020N	-3	99	57540.91	3.16	60	144641	386861.152	6909679.1	24.8
L20	58973.13	22.9	58976.408	52	-100	386866.598	6909683.61	-22.9	00020N	-1.4	99	57815.95	3.49	70	144711	386867.956	6909686.192	24.8
L20	58568.09	19.3	58571.368	52	-100	386873.68	6909692.21	-19.3	00020N	1.9	99	57410.37	3.48	80	144753	386876.914	6909693.927	24.8
L20	58463.73	24.2	58467.0079	26	-86	386879.423	6909699.17	-24.2	00020N	-0.8	99	57306.1	2.79	90	144830	386881.0477	6909702.589	24.8
L20	58472.59	23.2	58475.868	70	-96	386885.106	6909706.07	-23.2	00020N	-2.2	99	57314.82	3.66	100	144900	386888.0619	6909708.992	24.8
L20	58487.71	25.9	58490.988	67	-95	386891.093	6909713.34	-25.9	00020N	-4.1	99	57330.12	3.6	110	144935	386894.938	6909716.262	24.8
L20	58530.85	27.9	58534.128	40	-96	386897.2	6909720.75	-27.9	00020N	-6.5	99	57372.98	3.21	120	145002	386902.7593	6909722.819	24.8
L20	58602.36		58605.638	25	-24	386904.422	6909729.51	-19.5	00020N	-16.4	99	57444.5	1.1	130	145026	386907.0893	6909734.085	24.8
L20	58522.39	27.3	58525.668	43	-86	386910.26	6909736.6	-27.3	00020N	-16.1	99	57364.63	1.48	140	145055	386914.8327	6909740.019	24.8
L20	58485.62		58488.898	61	-127	386916.242	6909743.86	-36	00020N	-11.3	99	57327.8	2.18	150	145119	386918.4887	6909749.325	24.8
L20	58469.17	25.9	58472.448	22	-42	386922.342	6909751.26	-25.9	00020N	-12.6	99	57311.33	1.47	160	145142	386927.11	6909754.765	24.8
L20	58583.19		58586.468	72	-127	386928.331	6909758.53	-34.1	00020N	-9.7	99	57425.56	2.26	170	145205	386933.5027	6909762.465	24.8
L20	58662.87	28.5	58666.148	47	-85	386933.871	6909765.25	-28.5	00020N	-8	99	57505.16	3	180	145229	386939.1727	6909769.785	24.8
L20	58627.53	30.9	58630.808	24	-68	386940.199	6909772.93	-30.9	00020N	-9.8	99	57469.69	2.23	190	145303	386943.884	6909779.252	24.8
L20	58667.42	24.7	58670.698	47	-86	386946.262	6909780.29	-24.7	00020N	-5.6	99	57509.58	3.02	200	145329	386951.803	6909785.573	24.8
L20	58631.94	24.2	58635.218	43	-84	386953.798	6909789.43	-24.2	00020N	-5.5	99	57473.99	2.92	210	145402	386960.55	6909794.635	24.8
L20	58625.25	19	58628.528	23	-55	386959.507	6909796.36	-19	00020N	-8.1	99	57467.29	1.84	220	145423	386966.038	6909802.441	24.8
L20	58499.68	19.7	58502.958	53	-84	386964.361	6909802.25	-19.7	00020N	-3	99	57341.88	3.07	230	145520	386971.7707	6909808.179	24.8
L20	58399.65	19.9	58402.928	36	-79	386970.465	6909809.66	-19.9	00020N	-6.5	99	57242.6	2.69	240	145607	386976.28	6909817.33	24.8
L20	58499.11	23.5	58502.388	44	-78	386976.903	6909817.47	-23.5	00020N	-8.8	99	57341.13	2.77	250	151057	386982.9413	6909825.778	24.8
L20	58494.12	23.7	58497.398	45	-80	386983.822	6909825.87	-23.7	00020N	-9.5	99	57336.49	2.84	260	151120	386992.289	6909832.585	24.8
L20	58591.61	24	58594.888	29	-73	386988.41	6909831.44	-24	00020N	-13.6	99	57433.79	2.43	270	151147	386997.325	6909838.366	24.8
L20	58627.92		58631.198	20	-2	386995.333	6909839.84	-6.9	00020N	-14.7	99	57470.3	0.63	280	151239	387002.9333	6909848.487	24.8
L20	58625.19	23.1	58628.468	46	-83	387001.166	6909846.92	-23.1	00020N	-20.2	99	57467.74	1.46	290	151312	387009.878	6909855.328	24.8
L20	58536.43	17.2	58539.708	43	-46	387005.904	6909852.67	-17.2	00020N	-20.3	99	57379.25	0.97	300	151344	387014.22	6909861.948	24.8
L20	58410.6		58413.878	100	-127	387013.277	6909861.62	-33.7	00020N	-33.6	99	57253.13	1.25	310	151447	387023.0917	6909870.5	24.8
L20	58553.19	21.1	58556.468	50	-117	387018.361	6909867.79	-21.1	00020N	-20.8	99	57395.7	1.95	320	151514	387029.0043	6909876.602	24.8
L20	58698.22	14.5	58701.498	53	-102	387024.606	6909875.37	-14.5	00020N	-22.4	99	57540.75	1.77	330	151547	387034.0737	6909885.725	24.8
L20	58452.16	13.8	58455.438	53	-105	387030.784	6909882.86	-13.8	00020N	-18.9	99	57294.94	1.82	340	151632	387040.9087	6909893.463	24.8
L20	58581.51	10.4	58584.788	51	-111	387037.44	6909890.94	-10.4	00020N	-16.8	99	57424.51	1.89	350	151709	387047.7427	6909902.24	24.8
L20	58705.94		58709.218	32	28	387043.263	6909898.01	8	00020N	0	99	57548.94	0.66	360	151748	387054.102	6909909.606	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L20	58636.73	0.4	58640.0079	72	-111	387049.217	6909905.23	-0.4	00020N	-14.9	99	57479.55	1.02	370	151821	387059.8743	6909917.71	24.8
L20	58529.05	-1.5	58532.328	102	-85	387055.001	6909912.25	1.5	00020N	-19.6	99	57371.69	1.02	380	151908	387065.6567	6909925.457	24.8
L20	58274.46	-9.9	58277.738	65	-109	387061.504	6909920.14	9.9	00020N	-10	99	57117.2	0.98	390	151951	387073.706	6909932.758	24.8
L20	58109.6		58112.878	68	119	387067.368	6909927.26	-8	00020N	17.8	99	56952.88	1.06	400	152051	387079.0547	6909940.97	24.8
L20	58176.81	-16.2	58180.088	56	-120	387073.528	6909934.74	16.2	00020N	-6.2	99	57020.27	1.02	410	152122	387086.774	6909947.782	24.8
L20	58262.69	-24.3	58265.968	84	-127	387080.348	6909943.01	24.3	00020N	-1.5	99	57106.1	1.17	420	152146	387093.32	6909957.111	24.8
L20	58299.88	-22.1	58303.158	35	-88	387085.582	6909949.36	22.1	00020N	13.2	99	57143.24	1.46	430	152213	387098.9963	6909963.766	24.8
L20	58155.76	-24.2	58163.813	19	58	387091.974	6909957.12	24.2	00020N	-10	99	56969.56	1.89	440	145437	387106.0113	6909971.822	24.8
L20	58229.13	-32.8	58232.408	68	-126	387109.817	6909978.78	32.8	00020N	39.6	99	57072.36	1.1	450	152342	387110.5827	6909978.625	24.8
L20	58214.07	-43.1	58222.123	34	72	387118.2	6909988.95	43.1	00020N	-33.1	99	57028.66	1.23	460	145733	387119.0747	6909986.629	24.8
L20	58044.97	-56.4	58053.023	127	127	387124.655	6909996.78	56.4	00020N	13	99	56859.26	1.39	470	145849	387125.7107	6909995.133	24.8
L20	57976.18		57984.233	60	-85	387131.646	6910005.27	-36.7	00020N	-35.3	99	56790.44	1.6	480	145920	387130.197	6910005.921	24.8
L20	57871.86		57879.913	42	-117	387136.623	6910011.31	-39	00020N	-34.7	99	56685.79	1.92	490	150003	387137.0087	6910010.696	24.8
L20	57949.19		57957.243	28	-69	387142.011	6910017.85	-25.7	00020N	-52.4	99	56763.18	1.15	500	150045	387143.934	6910016.451	24.8
L20	58108.5		58116.553	30	-61	387148.656	6910025.91	-17.8	00020N	-34.1	99	56922.69	1.05	510	150138	387148.8827	6910026.391	24.8
L20	58677.2	-38.7	58685.253	50	56	387155.025	6910033.64	38.7	00020N	-10.8	99	57491.45	1.16	520	150256	387157.785	6910032.226	24.8
L20	58774.23	-50.7	58782.283	62	122	387159.292	6910038.82	50.7	00020N	6.6	99	57588.63	2.1	530	150457	387162.0247	6910037.961	24.8
L20	58863.75	-63.5	58871.803	14	39	387170.216	6910052.07	63.5	00020N	-24.9	99	57677.73	1.3	540	150730	387168.26	6910055.118	24.8
L20	58840.69	-60.1	58848.743	39	99	387179.391	6910063.21	60.1	00020N	-14.7	99	57654.13	1.64	550	150930	387181.3063	6910063.175	24.8
L20	58842.55	-64.4	58850.603	28	90	387179.401	6910063.22	64.4	00020N	-30.8	99	57656.07	1.45	560	150952	387181.31	6910063.191	24.8
L20	58736.56	-56	58744.613	71	125	387187.258	6910072.76	56	00020N	8.7	99	57550.01	2.22	570	151027	387187.2813	6910074.886	24.8
L20	58632.42	-50.1	58640.473	30	75	387194.166	6910081.14	50.1	00020N	4.1	99	57446.05	2.51	580	151055	387198.2713	6910078.423	24.8
L20	58801.13	-56.6	58809.183	19	63	387200.303	6910088.59	56.6	00020N	-5	99	57615.1	2.05	590	151132	387203.382	6910087.314	24.8
L20	58690.19	-55.6	58698.243	22	68	387203.534	6910092.51	55.6	00020N	1.2	99	57504.27	2.21	600	151223	387206.862	6910091.443	24.8
L20	58687.07	-53.6	58695.123	35	78	387213.703	6910104.85	53.6	00020N	10.4	99	57501.27	2.64	610	151312	387214.1453	6910106.798	24.8
L20	58772.2	-55	58780.253	38	79	387216.821	6910108.63	55	00020N	9.9	99	57586.67	2.7	620	151355	387218.439	6910109.751	24.8
L20	58892.61	-58	58900.663	19	69	387226.61	6910120.51	58	00020N	-3	99	57706.98	2.2	630	151429	387221.1333	6910125.887	24.8
L20	58809.82	-56.6	58817.873	38	82	387232.143	6910127.23	56.6	00020N	9	99	57623.95	2.81	640	151529	387229.8993	6910128.829	24.8
L20	58635.42	-56	58643.473	23	79	387237.672	6910133.94	56	00020N	4.7	99	57449.61	2.55	650	151604	387237.531	6910134.039	24.8
L20	58503.34	-50.2	58511.393	43	92	387246.349	6910144.47	50.2	00020N	10.9	99	57317.97	3.13	660	151656	387242.96	6910147.485	24.8
L20	58464.36	-47	58472.413	73	80	387251.606	6910150.85	47	00020N	11.7	99	57278.95	3.34	670	151724	387250.2217	6910152.431	24.8
L20	58406.49		58414.543	17	-55	387258.39	6910159.08	-49.1	00020N	-42.5	99	57221.13	1.78	680	151747	387258.868	6910159.765	24.8
L20	58406.87		58414.923	20	-80	387264.022	6910165.92	-50.8	00020N	-25.9	99	57221.33	2.55	690	151824	387266.1513	6910165.725	24.8
L20	58427.52	-48	58435.573	18	63	387269.927	6910173.08	48	00020N	-5.2	99	57241.99	2.03	700	151852	387272.9687	6910172.86	24.8
L20	58447.02	-50.9	58455.073	29	88	387278.494	6910183.48	50.9	00020N	3.8	99	57262.06	2.87	710	152152	387279.4277	6910185.637	24.8
L20	58435.05	-50	58443.103	31	88	387284.535	6910190.81	50	00020N	8.6	99	57250.09	2.88	720	152314	387289.488	6910184.788	24.8
L20	58724.29	-53.6	58732.343	17	83	387289.993	6910197.43	53.6	00020N	4.8	99	57539.18	2.63	730	152416	387291.61	6910193.66	24.8
L20	59026.17	-49.6	59034.223	39	93	387296.786	6910205.68	49.6	00020N	8.5	99	57841.14	3.12	740	152510	387295.292	6910204.399	24.8
L20	58989.33	-48.8	58997.3829	20	87	387303.479	6910213.8	48.8	00020N	-1.6	99	57804.53	2.75	750	152545	387300.224	6910214.438	24.8
L20	58934.16	-46.7	58942.213	19	74	387308.656	6910220.08	46.7	00020N	-3.6	99	57749.14	2.37	760	152620	387308.2583	6910217.647	24.8
L20	58754.22	-49.9	58762.273	18	78	387315.892	6910228.86	49.9	00020N	-12	99	57569.46	2.48	770	152722	387312.313	6910229.039	24.8
L20	58852.08		58860.1329	27	-91	387322.385	6910236.74	-51.2	00020N	-21.5	99	57667.47	2.94	780	152848	387320.805	6910235.796	24.8
L20	58803.67		58811.723	44	-90	387327.778	6910243.29	-51.7	00020N	-18.9	99	57618.76	3.09	790	152953	387325.254	6910243.635	24.8
L20	58677.47		58685.523	39	-91	387333.442	6910250.16	-53	00020N	-20.6	99	57492.65	3.05	800	153020	387334.166	6910246.82	24.8
L20	58988.41		58996.463	44	-95	387340.74	6910259.02	-52.6	00020N	-14.4	99	57803.54	3.23	810	153324	387343.6173	6910254.529	24.8
L20	59322.22	-52.7	59330.273	25	99	387347.764	6910267.54	52.7	00020N	11.7	99	58137.11	3.15	820	153404	387348.4987	6910265.205	24.8
L20	59722.47		59730.523	45	-103	387354.228	6910275.39	-73.8	00020N	-17.3	99	58538.85	1.74	830	154024	387352.92	6910275.063	24.8
L20	59811.37	-67.9	59819.423	38	119	387358.643	6910280.75	67.9	00020N	9.2	99	58627.94	1.92	840	154104	387358.8707	6910279.423	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L20	60076.32		60084.373	25	-117	387365.306	6910288.83	-57.1	00020N	-33.2	99	58893.19	1.84	850	154158	387366.4733	6910287.559	24.8
L20	59928.31		59936.363	27	-83	387372.513	6910297.58	-58.9	00020N	-37.9	99	58745.08	1.34	860	154237	387371.3447	6910298.574	24.8
L20	59263.33		59271.3829	46	-127	387378.321	6910304.63	-83	00020N	-24.8	99	58080.16	2.09	870	154312	387376.6813	6910306.681	24.8
L20	58731.82	-45.5	58739.873	20	88	387386.486	6910314.54	45.5	00020N	6.8	99	57548.83	2.8	880	154405	387389.5797	6910311.138	24.8
L20	58655.13		58663.183	20	-69	387392.254	6910321.53	-44.1	00020N	-18.2	99	57472.18	2.23	890	154442	387393.3757	6910319.998	24.8
L20	58638.4		58646.453	15	-94			-39.3	00020N	-16	99	57455.34	2.95	900	154520	387398.616	6910329.262	24.8
L21	58681.15	26.3	58684.428	37	-101	386901.45	6909568.32	26.3	00021N	8.1	99	57524.07	3.32	0	143424	386901.452	6909568.319	24.8
L21	58583.81	19.1	58587.088	22	-67	386907.422	6909575.54	19.1	00021N	1.6	99	57426.85	2.18	10	143350	386908.024	6909575.266	24.8
L21	58485.59	21	58488.868	22	-81	386915.08	6909584.79	21	00021N	1	99	57328.77	2.58	20	143320	386918.166	6909582.162	24.8
L21	58509.92	23.9	58513.198	69	-103	386921.856	6909592.98	23.9	00021N	5.5	99	57352.88	3.82	30	143250	386921.1047	6909592.609	24.8
L21	58512.8	25.3	58516.078	39	-110	386927.039	6909599.24	25.3	00021N	4.2	99	57355.86	3.61	40	143220	386927.4533	6909597.953	24.8
L21	58518.32	27.6	58521.598	23	-88	386934.103	6909607.77	27.6	00021N	7.2	99	57361.36	2.82	50	143146	386934.8113	6909606.547	24.8
L21	58519.63	32.9	58522.908	49	-106	386940.639	6909615.67	32.9	00021N	10.4	99	57362.51	3.61	60	143110	386939.7107	6909615.796	24.8
L21	58527.89	30.8	58531.168	31	-105	386946.16	6909622.34	30.8	00021N	9	99	57370.98	3.38	70	143042	386945.316	6909622.635	24.8
L21	58552.37	34.9	58555.648	43	-105	386951.241	6909628.48	34.9	00021N	12.8	99	57395.61	3.5	80	142940	386952.438	6909626.57	24.8
L21	58582.11		58585.388	98	-127	386959.151	6909638.04	56.2	00021N	21.9	99	57425.67	2.48	90	142908	386960.7367	6909636.14	24.8
L21	58602.87		58606.148	35	114	386965.797	6909646.06	-50.4	00021N	-2.6	99	57445.97	1.84	100	142750	386965.8037	6909645.499	24.8
L21	58617.04	51.3	58620.318	44	-121	386971.094	6909652.47	51.3	00021N	28.2	99	57459.94	1.98	110	142656	386971.1107	6909652.118	24.8
L21	58601.36		58604.638	15	23	386977.503	6909660.21	-33	00021N	-13.8	99	57444.29	0.85	120	142628	386979.655	6909657.803	24.8
L21	58637.78	40.4	58641.058	36	-85	386983.912	6909667.95	40.4	00021N	19.4	99	57480.67	2.84	130	142546	386985.072	6909666.522	24.8
L21	58734.87		58738.148	47	-127	386991.199	6909676.76	50.9	00021N	20.5	99	57577.82	2.09	140	142512	386992.056	6909675.87	24.8
L21	58747.16		58750.438	17	37	386997.468	6909684.33	-31.9	00021N	-12	99	57590.01	1.26	150	142443	386997.2087	6909684.487	24.8
L21	58674.91	34	58678.188	29	-84	387003.36	6909691.45	34	00021N	10.4	99	57517.79	2.75	160	142409	387003.268	6909691.72	24.8
L21	58537.13	32.5	58540.408	43	-91	387009.064	6909698.34	32.5	00021N	9.6	99	57379.87	3.11	170	142341	387009.306	6909698.574	24.8
L21	58565.29		58568.568	89	-127	387016.284	6909707.06	43	00021N	17.3	99	57407.97	2.4	180	142310	387017.4223	6909706.81	24.8
L21	58616.62	37.8	58619.898	43	-89	387022.466	6909714.53	37.8	00021N	15.9	99	57458.96	1.53	190	142228	387023.5927	6909714.551	24.8
L21	58636.15	31.4	58639.428	15	-27	387028.57	6909721.91	31.4	00021N	14.9	99	57478.25	0.98	200	142150	387030.62	6909721.346	24.8
L21	58611.94	29.7	58615.218	38	-83	387035.952	6909730.83	29.7	00021N	13.8	99	57453.92	2.83	210	142049	387035.991	6909731.878	24.8
L21	58621.05	29.8	58624.328	25	-75	387041.583	6909737.63	29.8	00021N	14.5	99	57462.88	2.46	220	142014	387042.9227	6909737.644	24.8
L21	58573.61	26.5	58576.888	21	-71	387046.186	6909743.19	26.5	00021N	12.7	99	57414.81	2.3	230	141823	387045.4803	6909744.557	24.8
L21	58464.52	25.4	58467.798	16	-68	387053.206	6909751.67	25.4	00021N	15.8	99	57305.52	2.16	240	141722	387054.7567	6909750.908	24.8
L21	58463.4	25	58466.678	47	-82	387061.054	6909761.16	25	00021N	13.1	99	57304.32	2.93	250	141639	387061.8227	6909761.303	24.8
L21	58479.94	25	58483.218	50	-81	387067.006	6909768.35	25	00021N	16	99	57320.53	2.94	260	141516	387066.7493	6909769.462	24.8
L21	58520.08	31.4	58523.358	47	-79	387072.038	6909774.43	31.4	00021N	21.5	99	57359.36	2.83	270	140943	387073.4587	6909773.925	24.8
L21	58548.07		58551.348	69	-127	387079.508	6909783.45	37.4	00021N	28.9	99	57387.16	2.24	280	140840	387079.482	6909784.261	24.8
L21	58572.65	32.7	58575.928	26	-45	387085.894	6909791.17	32.7	00021N	24.1	99	57411.43	1.59	290	140723	387085.5773	6909792.474	24.8
L21	58604.8	31.9	58608.078	25	-73	387091.867	6909798.38	31.9	00021N	28	99	57443.47	2.37	300	140644	387091.9567	6909799.601	24.8
L21	58590.17	27.6	58593.448	17	-59	387097.827	6909805.59	27.6	00021N	24.2	99	57428.4	1.89	310	140433	387097.9043	6909807.067	24.8
L21	58504.98	23.9	58508.2579	38	-69	387103.799	6909812.8	23.9	00021N	23	99	57343.18	2.45	320	140341	387105.556	6909812.804	24.8
L21	58590.05	17.1	58593.328	49	-64	387110.643	6909821.07	17.1	00021N	21.2	99	57428.14	2.51	330	140129	387110.2033	6909822.73	24.8
L21	58587.52	12.5	58590.798	26	-68	387117.194	6909828.98	12.5	00021N	21.4	99	57425.44	2.26	340	140040	387118.3627	6909829.323	24.8
L21	58466.23	7.2	58469.5079	36	-68	387124.324	6909837.6	7.2	00021N	15.3	99	57304.53	2.38	350	135952	387125.37	6909838.34	24.8
L21	58326.31	5.4	58329.588	18	-65	387130.772	6909845.39	5.4	00021N	18.3	99	57164.96	2.08	360	135846	387129.5353	6909847.788	24.8
L21	58175.55		58178.828	38	125	387137.878	6909853.97	-8.7	00021N	-16.3	99	57014.57	2.02	370	135645	387136.1773	6909857.028	24.8
L21	58184.74	6	58188.018	38	-33	387143.177	6909860.38	6	00021N	13.4	99	57023.7	1.54	380	135546	387140.2407	6909864.478	24.8
L21	58348.02	2.4	58351.298	28	-64	387149.898	6909868.5	2.4	00021N	17.1	99	57187.02	2.16	390	135405	387149.4727	6909870.012	24.8
L21	58395.34	-3.4	58398.618	39	-64	387155.314	6909875.04	-3.4	00021N	10.4	99	57234.22	2.31	400	135242	387154.5253	6909877.062	24.8
L21	58307.8	-4.5	58311.078	40	-62	387161.056	6909881.98	-4.5	00021N	11.8	99	57146.68	2.29	410	135220	387159.9357	6909884.498	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L21	58328.29	-9.9	58331.568	27	-60	387168.231	6909890.65	-9.9	00021N	7.7	99	57166.71	2.03	420	135141	387167.485	6909893.158	24.8
L21	58237.46	-15.7	58240.738	63	-120	387174.335	6909898.02	-15.7	00021N	2.6	99	57075.66	2.09	430	133944	387175.7883	6909898.318	24.8
L21	58034.17		58037.448	29	110	387181.81	6909907.05	22.6	00021N	-3.6	99	56872.32	1.75	440	133902	387181.332	6909908.928	24.8
L21	58185.32	-25.1	58188.598	37	-108	387189.018	6909915.76	-25.1	00021N	-3.3	99	57023.52	1.76	450	133738	387190.6483	6909915.743	24.8
L21	58367.67	-29.3	58370.948	43	-110	387194.863	6909922.82	-29.3	00021N	-11.1	99	57205.84	1.82	460	133709	387194.53	6909924.26	24.8
L21	58397.18	-32.5	58400.458	46	-103	387200.866	6909930.08	-32.5	00021N	-17.8	99	57234.98	1.73	470	133640	387202.125	6909930.154	24.8
L21	58361.15	-28	58364.428	77	-25	387207.301	6909937.85	-28	00021N	-17.9	99	57198.54	1.25	480	133546	387208.428	6909938.308	24.8
L21	58289.37		58292.648	34	120	387213.708	6909945.59	45.9	00021N	4.6	99	57126.18	1.92	490	133504	387214.6047	6909946.5	24.8
L21	58690.96	-38.8	58694.238	31	-33	387220.866	6909954.24	-38.8	00021N	-30.2	99	57527.56	1.39	500	133332	387223.1233	6909954.17	24.8
L21	58802.43		58805.708	19	76	387225.583	6909959.94	46.4	00021N	15.5	99	57638.69	2.42	510	133260	387228.05	6909959.898	24.8
L21	58586.33	-43.2	58589.608	25	-82	387232.704	6909968.54	-43.2	00021N	-16.4	99	57422.64	2.66	520	133225	387232.4547	6909970.416	24.8
L21	58149.07	-36.3	58152.348	42	-86	387237.897	6909974.82	-36.3	00021N	-12.6	99	56985.09	2.96	530	133144	387238.6627	6909975.949	24.8
L21	58180.66	-30.2	58183.938	19	-85	387244.864	6909983.24	-30.2	00021N	-9.3	99	57016.56	2.68	540	133113	387247.298	6909983.014	24.8
L21	58299.24	-23.5	58302.518	85	-127	387252.869	6909992.91	-23.5	00021N	-7.4	99	57135.52	2.36	550	132802	387253.139	6909994.426	24.8
L21	58549.67		58552.948	12	-21	387258.891	6910000.18	-10.2	00021N	-17.4	99	57385.42	0.77	560	132728	387258.31	6910002.567	24.8
L21	58783.14	-20.9	58786.418	42	-82	387265.305	6910007.93	-20.9	00021N	-8.3	99	57618.84	2.86	570	132657	387263.0233	6910011.693	24.8
L21	58812.75	-25.1	58816.028	48	-81	387271.996	6910016.02	-25.1	00021N	-12.2	99	57648.55	2.92	580	132614	387271.507	6910018.237	24.8
L21	58807.76	-27.5	58811.038	29	-83	387276.752	6910021.76	-27.5	00021N	-13.8	99	57643.8	2.71	590	132519	387276.4283	6910024.052	24.8
L21	58885.19	-27.8	58888.468	22	-72	387283.375	6910029.77	-27.8	00021N	-15	99	57721.4	2.34	600	132446	387284.964	6910030.347	24.8
L21	58920.67	-30.7	58923.948	38	-82	387289.135	6910036.72	-30.7	00021N	-12.4	99	57756.9	2.8	610	132423	387290.274	6910037.889	24.8
L21	59029.91	-35	59033.188	16	-67	387297.505	6910046.84	-35	00021N	-21.7	99	57866.17	2.14	620	132340	387297.3673	6910049.262	24.8
L21	58980.14	-39.5	58983.418	20	-77	387304.61	6910055.42	-39.5	00021N	-21.5	99	57816.36	2.47	630	132235	387304.87	6910057.817	24.8
L21	58989.38	-40.9	58992.658	53	-78	387309.366	6910061.17	-40.9	00021N	-19.7	99	57825.65	2.9	640	132207	387309.5327	6910063.839	24.8
L21	58939.61	-41.7	58942.888	44	-87	387315.113	6910068.11	-41.7	00021N	-15.8	99	57776.02	3.01	650	132127	387315.04	6910071.213	24.8
L21	58611.38	-43	58614.658	57	-83	387322.007	6910076.44	-43	00021N	-14.6	99	57447.78	3.12	660	132056	387324.145	6910077.457	24.8
L21	58481.77	-43	58485.048	25	-88	387326.169	6910081.47	-43	00021N	-17.1	99	57318.39	2.82	670	132026	387328.8747	6910082.154	24.8
L21	58406.76		58410.038	14	55	387333.831	6910090.73	44.5	00021N	-2.2	99	57243.61	1.75	680	131954	387333.622	6910093.469	24.8
L21	58417.2	-42.8	58420.478	16	-72	387342.134	6910100.76	-42.8	00021N	-15.1	99	57254.22	2.3	690	131924	387343.1453	6910102.747	24.8
L21	58623.37	-41.2	58626.648	24	-86	387347.732	6910107.52	-41.2	00021N	-13.9	99	57460.42	2.77	700	131852	387348.223	6910110.135	24.8
L21	58740.1	-41.9	58743.378	22	-83	387352.215	6910112.94	-41.9	00021N	-16.2	99	57577.23	2.64	710	131801	387352.4314	6910115.952	24.8
L21	59131.21		59134.488	22	88	387359.66	6910121.93	45.2	00021N	8	99	57968.8	2.79	720	131524	387360.224	6910124.976	24.8
L21	59070.1	-44.8	59073.378	23	-91	387366.806	6910130.57	-44.8	00021N	-9.3	99	57908.05	2.91	730	131437	387368.682	6910132.684	24.8
L21	59083.88	-46.5	59087.158	36	-96	387371.782	6910136.58	-46.5	00021N	-12	99	57922.09	3.16	740	131405	387372.4883	6910139.685	24.8
L21	58761.74		58765.018	33	100	387379.47	6910145.87	48.4	00021N	11.9	99	57600.23	3.24	750	131228	387383.542	6910145.109	24.8
L21	58835.15		58838.428	21	91	387386.079	6910153.85	51.8	00021N	11.6	99	57673.78	2.88	760	131156	387387.978	6910154.718	24.8
L21	58612.62		58615.898	54	127	387391.651	6910160.58	68.5	00021N	16.3	99	57451.6	2.13	770	131124	387393.1	6910162.024	24.8
L21	58499.77	-46.2	58503.048	29	-39	387397.13	6910167.2	-46.2	00021N	-14.2	99	57339.05	1.51	780	131046	387399.2673	6910168.265	24.8
L21	58855.39		58858.668	59	104	387404.624	6910176.26	49.3	00021N	10.1	99	57694.92	3.67	790	131008	387405.756	6910178.362	24.8
L21	59234.95		59238.228	51	107	387410.513	6910183.38	50.4	00021N	11	99	58074.87	3.67	790	130800	387412.4563	6910184.999	24.8
L21	59229.41		59232.688	63	104	387410.614	6910183.5	49.9	00021N	10.8	99	58069.22	3.76	800	130851	387412.6	6910185.073	24.8
L21	59043.84		59047.118	42	114	387416.788	6910190.96	47	00021N	9.2	99	57883.84	3.74	800	130730	387419.2457	6910192.393	24.8
L21	59057.5		59060.778	49	108	387420.269	6910195.16	46.9	00021N	8.4	99	57897.58	3.67	810	130708	387419.3247	6910197.968	24.8
L21	59223.78		59227.058	32	113	387425.266	6910201.2	47.4	00021N	6.6	99	58064.05	3.62	820	130633	387427.0767	6910199.951	24.8
L21	59241.64		59244.918	19	109	387431.506	6910208.74	47.2	00021N	6.2	99	58082	3.42	830	130557	387430.935	6910209.17	24.8
L21	59282.91		59286.188	43	118	387438.084	6910216.69	45.5	00021N	6.9	99	58123.36	3.88	840	130521	387438.6277	6910216.367	24.8
L21	59442.39	-42.6	59445.668	7	-45	387443.217	6910222.89	-42.6	00021N	-1.9	99	58282.94	2.86	850	130450	387442.352	6910223.695	24.8
L21	59050.98		59054.2579	20	62	387449.628	6910230.63	41.7	00021N	4.3	99	57891.54	4.02	860	130424	387450.035	6910230.505	24.8
L21	58887.14		58890.418	16	63	387456.005	6910238.34	41.3	00021N	5.1	99	57727.77	4.02	870	130352	387457.558	6910237.41	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L21	58753.24		58756.518	24	122	387463.119	6910246.93	35.5	00021N	1.8	99	57593.8	3.85	880	130327	387461.9517	6910247.921	24.8
L21	58719.37	-35.6	58722.648	16	-97	387470.207	6910255.5	-35.6	00021N	-3.2	99	57560.05	3.05	890	130259	387468.5215	6910257.179	24.8
L21	58662.61		58665.888	28	120	387475.427	6910261.8	33	00021N	2.7	99	57503.2	3.8	900	130211	387475.4013	6910261.926	24.8
L21	58665.89		58669.168	24	119	387475.489	6910261.88	32.4	00021N	1.9	99	57506.59	3.75	900	130201	387475.4873	6910261.876	24.8
L22	58587.86	21.6	58591.138	43	-113	386978.86	6909505.24	21.6	00022N	4.1	99	57435.78	3.73	0	105360	386978.8596	6909505.24	24.8
L22	58574.15	20.9	58577.428	16	-50	386985.792	6909513.61	20.9	00022N	0.6	99	57422.06	1.63	10	105423	386988.702	6909510.38	24.8
L22	58574.29	21	58577.568	25	-114	386993.225	6909522.58	21	00022N	3.1	99	57421.94	3.61	20	105556	386990.7733	6909522.103	24.8
L22	58570.4	20.9	58573.678	45	-112	386999.891	6909530.63	20.9	00022N	1.6	99	57417.82	3.74	30	105629	387000.79	6909525.8	24.8
L22	58554.67	22.1	58557.948	27	-114	387005.711	6909537.65	22.1	00022N	0.2	99	57402.02	3.61	40	105653	387004.004	6909534.551	24.8
L22	58569.8	23.7	58573.078	23	-119	387013.037	6909546.5	23.7	00022N	0.6	99	57417.13	3.74	50	105725	387013.392	6909541.591	24.8
L22	58582.44	25.4	58585.718	37	-119	387018.933	6909553.61	25.4	00022N	2.6	99	57429.59	3.85	60	105750	387018.944	6909549.23	24.8
L22	58618.74	31.6	58622.018	25	-116	387025.151	6909561.12	31.6	00022N	3	99	57465.8	3.65	70	105814	387024.9317	6909557.188	24.8
L22	58663.97		58667.248	28	111	387030.88	6909568.04	-31.2	00022N	-11.5	99	57511.15	3.53	80	105840	387029.482	6909565.157	24.8
L22	58690.46	36.9	58693.738	13	-100	387037.682	6909576.25	36.9	00022N	1.3	99	57537.73	3.11	90	105915	387037.3467	6909572.697	24.8
L22	58710.55	34.6		32	-111	387043.609	6909583.4	34.6	00022N	7.1	94	57557.78	3.56	100	105948	387043.7113	6909579.741	24.8
L22	58769.27	35	58772.548	26	-105	387049.487	6909590.5	35	00022N	7.5	99	57616.6	3.33	110	110017	387048.21	6909588.012	24.8
L22	58775.2	38.7	58778.478	34	-99	387057.404	6909600.05	38.7	00022N	9.5	99	57622.23	3.24	120	110354	387056.128	6909597.917	24.8
L22	58791.71		58794.988	10	42	387062.687	6909606.43	-31.7	00022N	-23.6	99	57638.9	1.35	130	110437	387061.185	6909604.7	24.8
L22	58840.74		58844.018	67	-127	387069.005	6909614.06	50	00022N	17.5	99	57687.87	2.22	140	110532	387067.2263	6909612.819	24.8
L22	58878.46	36.4	58881.738	17	-96	387074.451	6909620.63	36.4	00022N	9.2	99	57725.28	3.02	150	110749	387072.534	6909619.741	24.8
L22	58697.8	37.7	58701.078	11	-87	387082.441	6909630.28	37.7	00022N	6.7	99	57544.96	2.71	160	110932	387082.482	6909627.792	24.8
L22	58793.5		58796.778	15	94	387088.805	6909637.96	-36.6	00022N	-17.3	99	57640.66	2.95	170	110957	387088.5407	6909635.991	24.8
L22	58864.02		58867.298	23	93	387095.893	6909646.52	-37.8	00022N	-19.1	99	57710.97	2.96	180	111023	387093.9033	6909645.997	24.8
L22	58867.01	41.9	58870.288	10	-78	387100.7	6909652.32	41.9	00022N	11.2	99	57713.61	2.44	190	111052	387099.8327	6909650.909	24.8
L22	58873.89		58877.168	6	-48	387106.32	6909659.1	49.2	00022N	0.1	99	57720.49	1.5	200	111120	387105.6113	6909657.81	24.8
L22	58844.77	39.3	58848.048	72	-127	387113.433	6909667.69	39.3	00022N	20.1	99	57691.47	2.25	210	111230	387112.52	6909666.87	24.8
L22	58832.39	32.2	58835.668	17	-83	387120.064	6909675.69	32.2	00022N	10.1	99	57679.1	2.61	220	111255	387120.72	6909673.62	24.8
L22	58736.98	29.3	58740.2579	28	-50	387126.371	6909683.31	29.3	00022N	7.9	99	57583.6	1.78	230	111323	387125.628	6909682.451	24.8
L22	58719.63	21.8	58722.908	52	-75	387132.999	6909691.31	21.8	00022N	10.1	99	57566.27	2.81	240	111352	387131.92	6909691	24.8
L22	58562.64	20.9	58565.918	25	-84	387139.412	6909699.05	20.9	00022N	6.4	99	57409.33	2.73	250	111417	387139.87	6909697.507	24.8
L22	58287.99	15.4	58291.268	31	-84	387146.825	6909708	15.4	00022N	6.3	99	57135.07	2.77	260	111512	387145.234	6909708.099	24.8
L22	58408.82	20	58412.098	31	-58	387152.712	6909715.11	20	00022N	4.9	99	57255.66	2.05	270	111602	387153.034	6909713.398	24.8
L22	58628.99	23	58632.268	19	-80	387159.512	6909723.31	23	00022N	8.2	99	57475.64	2.54	280	111645	387158.428	6909722.86	24.8
L22	58460.1	16.9	58463.378	30	-79	387164.48	6909729.31	16.9	00022N	9	99	57306.79	2.62	290	111723	387164.023	6909728.519	24.8
L22	58360.95	18.5	58364.228	19	-62	387170.87	6909737.02	18.5	00022N	7.7	99	57207.59	2	300	111847	387170.106	6909736.75	24.8
L22	58336.84	15.2	58340.118	17	-80	387177.641	6909745.2	15.2	00022N	6.3	99	57183.41	2.52	310	111922	387175.485	6909746.166	24.8
L22	58223.08	11.4	58226.358	31	-79	387183.117	6909751.81	11.4	00022N	7	99	57069.48	2.62	320	112014	387181.6667	6909752.388	24.8
L22	58302.12	12.3	58305.398	23	-76	387189.62	6909759.66	12.3	00022N	5.8	99	57148.33	2.45	330	112144	387187.61	6909760.944	24.8
L22	58515.7	9.5	58518.978	24	-65	387197.145	6909768.74	9.5	00022N	6.1	99	57361.95	2.13	340	112222	387196.998	6909768.503	24.8
L22	58532.77	-1.9	58536.048	9	59	387202.59	6909775.32	-1.9	00022N	-1.6	99	57379.14	1.84	350	112257	387202.7443	6909775.064	24.8
L22	58585.59	8.2	58588.868	10	-63	387208.502	6909782.45	8.2	00022N	2.8	99	57432.13	1.97	360	112322	387209.694	6909781.496	24.8
L22	58556.9	-0.7	58560.178	32	-77	387216.005	6909791.51	0.7	00022N	3.9	99	57402.83	2.58	370	113315	387217.049	6909791	24.8
L22	58623.84	-2.1	58627.118	9	-64	387222.607	6909799.48	2.1	00022N	4.7	99	57469.67	1.99	380	113340	387220.5267	6909800.987	24.8
L22	58721.71	-1.2	58724.988	7	-49	387228.079	6909806.08	1.2	00022N	6	99	57567.49	1.53	390	113408	387228.3033	6909805.029	24.8
L22	1154.26	-8.4		19	126	387234.754	6909814.14	8.4	00022N	-7.6	1	0	1.97	400	113434	387236.5383	6909811.846	24.8
L22	1154.22	-9.3		8	60	387241.16	6909821.87	9.3	00022N	-9.8	1	0	1.86	410	113460	387241.8699	6909820.613	24.8
L22	58692.45	-10.6	58695.728	9	64	387247.394	6909829.4	10.6	00022N	-14.6	99	57538.16	2	420	113538	387247.9333	6909828.547	24.8
L22	58618.17	-14.3	58621.448	29	74	387254.421	6909837.88	14.3	00022N	-8.4	99	57463.82	2.45	430	113607	387254.955	6909837.343	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L22	58435.15	-16.1	58438.428	50	65	387259.479	6909843.99	16.1	00022N	-5.2	99	57280.5	2.53	440	113637	387259.522	6909844.035	24.8
L22	58257.03	-26.2	58260.308	20	69	387265.473	6909851.22	26.2	00022N	-12	99	57102.34	2.21	450	113730	387266.9457	6909850.123	24.8
L22	58170.71	-31.7	58173.988	16	66	387271.956	6909859.05	31.7	00022N	-13.6	99	57015.88	2.1	460	113804	387270.1237	6909860.009	24.8
L22	58153.07	-36.3	58156.348	36	65	387278.505	6909866.96	36.3	00022N	0	99	56998.36	2.3	470	113843	387276.1467	6909868.597	24.8
L22	58152.12		58155.398	53	-99	387287.327	6909877.61	-41.6	00022N	-39.2	99	56997.97	1.74	480	114545	387286.8573	6909877.815	24.8
L22	58352.4	-50.9	58355.678	43	123	387290.928	6909881.95	50.9	00022N	-7	99	57196.49	2.01	490	122057	387290.4713	6909882.31	24.8
L22	1156.18	-57.3		24	69	387296.767	6909889	57.3	00022N	0.4	1	0	2.27	500	122203	387298.357	6909887.337	24.8
L22	58595.87	-59.6	58599.148	28	73	387306.055	6909900.21	59.6	00022N	6.9	99	57439.66	2.42	510	122342	387304.468	6909900.9	24.8
L22	58765.7		58768.978	30	-96	387312.315	6909907.77	-44.8	00022N	-80.7	99	57609.12	1.55	520	122559	387312.6198	6909906.74	24.8
L22	58792.54	-49	58795.818	61	-78	387315.771	6909911.94	-49	00022N	-61.2	99	57636.12	1.53	530	122636	387317.177	6909909.883	24.8
L22	58711.84	-58.9	58715.118	57	-79	387324.016	6909921.89	-58.9	00022N	-64.6	99	57555.54	1.51	540	122741	387323.088	6909921.692	24.8
L22	58575.21	-57.2	58578.488	36	-125	387329.61	6909928.65	-57.2	00022N	-51.2	99	57419.03	2	550	122847	387329.313	6909928.136	24.8
L22	58493.16	-46.7	58496.438	20	-84	387336.85	6909937.39	-46.7	00022N	-33.7	99	57336.78	2.67	560	122929	387338.2277	6909935.554	24.8
L22	58313.89	-39.1	58317.168	22	-93	387343.562	6909945.49	-39.1	00022N	-20.6	99	57157.52	2.96	570	123003	387342.477	6909945.428	24.8
L22	58431.19	-31.6	58434.468	85	-75	387350.362	6909953.7	-31.6	00022N	-13.9	99	57274.75	3.51	580	123106	387352.0067	6909950.703	24.8
L22	58621.3	-30.7	58624.578	25	-90	387356.18	6909960.72	-30.7	00022N	-22.1	99	57464.92	2.88	590	123153	387355.812	6909959.209	24.8
L22	58921.29	-31.6	58924.568	24	-90	387362.023	6909967.77	-31.6	00022N	-20.1	99	57764.89	2.88	600	123249	387362.8333	6909965.398	24.8
L22	58967.91	-25	58971.188	11	-41	387368.484	6909975.57	-25	00022N	-39.3	99	57811.62	1.32	610	123339	387366.482	6909975.082	24.8
L22	58969.44	-34	58972.718	36	-125	387375.95	6909984.59	-34	00022N	-23.8	99	57813.31	2.01	620	123429	387374.438	6909984.009	24.8
L22	58874.31	-28.2	58877.588	18	-79	387383.716	6909993.96	-28.2	00022N	-14.8	99	57718.13	2.51	630	123532	387383.538	6909992.49	24.8
L22	58795.09	-31.6	58798.368	26	-86	387388.8	6910000.1	-31.6	00022N	-16.3	99	57638.82	2.77	640	123613	387388.5087	6909998.94	24.8
L22	58758.09	-34.6	58761.368	60	-79	387395.69	6910008.41	-34.6	00022N	-14.1	99	57601.84	3.07	650	123653	387394.37	6910008.291	24.8
L22	58757.08	-33.6	58760.358	31	-43	387401.659	6910015.62	-33.6	00022N	-25.5	99	57600.9	1.66	660	123750	387400.0537	6910015.978	24.8
L22	58731.68	-47.4	58734.958	96	-127	387406.671	6910021.67	-47.4	00022N	-17.3	99	57575.52	2.46	670	123838	387407.178	6910019.68	24.8
L22	58697.75	-40.3	58701.028	21	-83	387414.121	6910030.66	-40.3	00022N	-24.6	99	57541.55	2.65	680	124005	387412.487	6910030.367	24.8
L22	58729.02	-44.6		14	-67	387422.051	6910040.24	-44.6	00022N	-36.1	96	57572.76	2.11	690	124047	387419.98	6910040.622	24.8
L22	58763.09	-48.4	58766.368	25	-87	387426.999	6910046.21	-48.4	00022N	-22.5	99	57606.77	2.81	700	124118	387427.2767	6910043.717	24.8
L22	58830.91		58834.188	17	88	387433.95	6910054.6	52	00022N	-0.7	99	57674.42	2.76	710	124156	387432.047	6910053.776	24.8
L22	58963.85	-46.2	58967.128	41	-44	387441.003	6910063.11	-46.2	00022N	-34.1	99	57807.27	1.87	720	124240	387440.31	6910061.48	24.8
L22	59268.9		59272.178	45	-127	387447.298	6910070.71	-70.9	00022N	-38.4	99	58111.97	2.08	730	124353	387445.593	6910070.069	24.8
L22	59209.2	-54.1	59212.478	22	-89	387454.087	6910078.91	-54.1	00022N	-31	99	58052.05	2.82	740	124421	387451.854	6910078.958	24.8
L22	59211.72	-56.5	59214.998	17	-84	387458.368	6910084.08	-56.5	00022N	-35	99	58054.33	2.65	750	124456	387457.742	6910082.473	24.8
L22	59285.86	-53.4	59289.138	29	-102	387466.207	6910093.54	-53.4	00022N	-21.8	99	58128.05	3.27	760	124550	387463.6477	6910093.554	24.8
L22	59397.11	-51.8	59400.388	23	-83	387472.462	6910101.09	-51.8	00022N	-29.3	99	58239.13	2.66	770	124650	387470.3473	6910101.003	24.8
L22	59500.86	-52.1	59504.138	27	-104	387479.234	6910109.26	-52.1	00022N	-26	99	58342.68	3.31	780	124744	387477.81	6910108.874	24.8
L22	59361.4	-49.4	59364.678	29	-105	387485.081	6910116.32	-49.4	00022N	-24.3	99	58202.97	3.37	790	124811	387482.504	6910116.978	24.8
L22	59249.65	-43.4	59252.928	23	-109	387490.556	6910122.93	-43.4	00022N	-20.2	99	58091.09	3.44	800	124841	387488.9693	6910122.903	24.8
L22	59291.59	-35	59294.868	48	-115	387497.995	6910131.91	-35	00022N	-8.6	99	58133.07	3.86	810	124911	387499.21	6910128.996	24.8
L22	59339.5	-31.8	59342.778	27	-107	387504.505	6910139.77	-31.8	00022N	-10.3	99	58180.91	3.42	820	124940	387504.8383	6910137.773	24.8
L22	59578.2	-31.8	59581.478	28	-109	387511.332	6910148.01	-31.8	00022N	-8.6	99	58419.65	3.46	830	125105	387511.182	6910146.681	24.8
L22	59226.86	-30.8	59230.138	30	-109	387517.201	6910155.1	-30.8	00022N	-6.7	99	58068.23	3.49	840	125138	387516.324	6910154.55	24.8
L22	58990.2	-28.1	58993.478	52	-108	387523.629	6910162.86	-28.1	00022N	0.2	99	57831.46	3.72	850	125205	387523.7253	6910161.707	24.8
L22	58878.47	-31.6	58881.748	44	-108	387528.696	6910168.97	-31.6	00022N	-2.5	99	57719.67	3.59	860	125232	387529.7547	6910167.14	24.8
L22	58855.37	-32.8	58858.648	33	-106	387534.957	6910176.53	-32.8	00022N	-4.4	99	57696.45	3.43	870	125301	387535.3695	6910175.448	24.8
L22	58683.13	-36.2	58686.408	28	-110	387541.518	6910184.45	-36.2	00022N	-1.3	99	57524.02	3.51	880	125342	387541.6993	6910183.837	24.8
L22	58557.84	-37	58561.118	40	-107	387548.26	6910192.59	-37	00022N	-2.9	99	57398.58	3.51	890	125412	387547.844	6910192.718	24.8
L22	58568.23	-36.8	58571.5079	52	-107	387553.29	6910198.66	-36.8	00022N	-3.3	99	57408.84	3.67	900	125454	387553.2873	6910198.657	24.8
L23	58475.94	30	58475.94	43	111	387062.69	6909449.13	30	00023N	7.5	99	57322.27	3.69	10	155938	387062.688	6909449.126	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L23	58503.47	30.6	58503.47	1	121	387068.706	6909456.44	30.6	00023N	7.8	99	57349.82	3.72	20	155906	387069.24	6909456.363	24.8
L23	58456.45	32	58456.45	13	118	387074.218	6909463.15	32	00023N	7.3	99	57302.47	3.67	30	155832	387075.113	6909463.111	24.8
L23	58494.87	34.9	58494.87	-47	108	387080.257	6909470.49	34.9	00023N	7.3	99	57340.5	3.65	40	155753	387082.5667	6909469.472	24.8
L23	58503.95	32.5	58503.95	-6	118	387086.707	6909478.33	32.5	00023N	6.8	99	57349.9	3.63	50	155602	387085.2	6909479.602	24.8
L23	58510.41	33.6	58510.41	0	118	387093.923	6909487.11	33.6	00023N	6.1	99	57356.18	3.63	60	155532	387095.125	6909485.818	24.8
L23	58545.41	36.1	58545.41	0	119	387100.013	6909494.51	36.1	00023N	7.5	99	57391.48	3.66	70	155508	387099.0233	6909494.899	24.8
L23	58560.63	42	58560.63	-1	114	387105.406	6909501.07	42	00023N	11.7	99	57406.21	3.51	80	155427	387105.5093	6909500.775	24.8
L23	58621.83	43.7	58621.83	45	107	387113.636	6909511.07	43.7	00023N	13	99	57466.74	3.59	90	155354	387114.5187	6909510.635	24.8
L23	58672.25	47	58672.25	6	111	387118.886	6909517.46	47	00023N	15.4	99	57516.79	3.44	100	155324	387122.599	6909513.336	24.8
L23	58840.51	47.9	58840.51	5	102	387125.977	6909526.08	47.9	00023N	16.9	99	57684.93	3.17	110	155253	387127.2377	6909523.866	24.8
L23	58772.01	48.1	58772.01	-44	94	387132.632	6909534.17	48.1	00023N	15.3	99	57617.11	3.22	120	155210	387132.836	6909533.102	24.8
L23	58673.55	44.7	58673.55	-2	101	387139.514	6909542.54	44.7	00023N	15.4	99	57518.54	3.11	130	155132	387140.0587	6909541.619	24.8
L23	58665.56	43.7	58665.56	44	96	387145.197	6909549.45	43.7	00023N	15.1	99	57509.98	3.26	140	155048	387143.7427	6909550.073	24.8
L23	58725.25	43.1	58725.25	57	87	387151.123	6909556.65	43.1	00023N	15.7	99	57569.56	3.21	150	154949	387148.4217	6909558.476	24.8
L23	59176.37	46.3	59176.37	45	86	387157.399	6909564.28	46.3	00023N	19.1	99	58020.82	3	160	154905	387156.5093	6909564.665	24.8
L23	59170.51	42.4	59170.51	5	90	387163.665	6909571.9	42.4	00023N	19.5	99	58014.93	2.79	170	154830	387163.02	6909572.476	24.8
L23	58709.42	37	58709.42	32	86	387170.205	6909579.85	37	00023N	16.3	99	57553.05	2.83	180	154736	387169.5407	6909580.849	24.8
L23	58446.42	33.9	58446.42	4	89	387175.846	6909586.71	33.9	00023N	13.4	99	57288.98	2.76	190	153941	387173.59	6909589.059	24.8
L23	58410.12	24.8	58410.12	30	84	387185.184	6909598.06	24.8	00023N	9.1	99	57252.27	2.77	200	153807	387185.85	6909597.967	24.8
L23	58369.28	22.3	58369.28	64	71	387190.066	6909604	22.3	00023N	6	99	57211.32	2.95	210	153715	387189.7237	6909604.876	24.8
L23	58340.23	23	58340.23	18	89	387195.048	6909610.06	23	00023N	5.5	99	57182.87	2.79	220	153624	387196.0607	6909609.897	24.8
L23	58222.56	19.8	58222.56	54	76	387201.539	6909617.95	19.8	00023N	5.8	99	57064.98	2.89	230	153527	387198.817	6909620.064	24.8
L23	58175.14	14.1	58175.14	71	67	387210.542	6909628.9	14.1	00023N	2.5	99	57016.58	3.03	240	152941	387208.7673	6909630.761	24.8
L23	58210.98	14.8	58210.98	65	74	387214.63	6909633.87	14.8	00023N	0.7	99	57053.03	3.03	250	152907	387214.75	6909633.63	24.8
L23	58342.46	12.3	58342.46	56	80	387222.22	6909643.09	12.3	00023N	0.3	99	57184.3	3.01	260	152825	387218.438	6909645.382	24.8
L23	58310.69	11.2	58310.69	50	86	387230.621	6909653.31	11.2	00023N	-2.2	99	57152.24	3.07	270	152750	387231.9633	6909647.081	24.8
L23	58271.82	12.2	58271.82	55	87	387238.06	6909662.35	12.2	00023N	-1.3	99	57113.59	3.19	280	152643	387232.645	6909659.135	24.8
L23	58330.59	11.7	58330.59	53	88	387242.827	6909668.15	11.7	00023N	0.4	99	57170.35	3.17	290	152160	387238.2903	6909664.423	24.8
L23	58344.44	14.1	58344.44	47	90	387251.983	6909679.28	14.1	00023N	1.8	99	57184.19	3.14	300	152123	387249.09	6909674.629	24.8
L23	58416.37	16.2	58416.37	51	89	387257.332	6909685.79	16.2	00023N	3.5	99	57256.11	3.17	310	152044	387256.266	6909679.513	24.8
L23	58587.12	19	58587.12	17	84	387263.838	6909693.7	19	00023N	5.5	99	57426.36	2.65	320	152007	387262.316	6909688.165	24.8
L23	58821.83	14.2	58821.83	5	98	387270.204	6909701.44	14.2	00023N	4.8	99	57661.2	3.02	330	151920	387267.7213	6909696.969	24.8
L23	58942.8	12.8	58942.8	9	96	387275.268	6909707.59	12.8	00023N	5.7	99	57782.07	2.98	340	151845	387271.5443	6909704.244	24.8
L23	58896.41	11.2	58896.41	18	94	387281.741	6909715.46	11.2	00023N	5.7	99	57735.28	2.94	350	151807	387278.368	6909712.228	24.8
L23	58803.15	8.7	58803.15	-8	95	387287.867	6909722.91	8.7	00023N	6.9	99	57641.72	2.95	360	151720	387285.608	6909719.041	24.8
L23	58792.18	9.6	58792.18	24	89	387294.33	6909730.77	9.6	00023N	8.2	99	57630.52	2.85	370	151632	387290.0497	6909728.542	24.8
L23	58833.97	7.2	58833.97	9	93	387299.678	6909737.27	7.2	00023N	8.8	99	57672.22	2.87	380	151606	387295.2213	6909735.512	24.8
L23	58733.1	3.3	58733.1	1	93	387306.191	6909745.19	3.3	00023N	10.4	99	57571.15	2.86	390	151536	387300.86	6909744.452	24.8
L23	58672.1	2.6	58672.1	-9	90	387313.416	6909753.97	2.6	00023N	11.8	99	57510.1	2.78	400	151421	387310.642	6909750.914	24.8
L23	58386.99	-2.2	58386.99	-17	88	387321.192	6909763.43	-2.2	00023N	11.6	99	57225.31	2.77	410	151328	387317.0793	6909761.768	24.8
L23	58394.12	-3.4	58394.12	-9	90	387326.303	6909769.64	-3.4	00023N	10.6	99	57232.14	2.78	420	151256	387324.05	6909766.262	24.8
L23	58424.85	-6.1	58424.85	-3	88	387331.888	6909776.43	-6.1	00023N	10.2	99	57262.92	2.72	430	151222	387328.826	6909773.965	24.8
L23	58322.78	-9.1	58322.78	15	88	387337.087	6909782.75	-9.1	00023N	9.9	99	57160.76	2.76	440	151152	387334.542	6909780.171	24.8
L23	58284.9	-14.2	58284.9	-42	81	387343.638	6909790.72	-14.2	00023N	9	99	57122.97	2.81	450	151033	387342.5353	6909787.179	24.8
L23	58215.2	-18.1	58215.2	-49	76	387350.997	6909799.67	-18.1	00023N	7.3	99	57052.67	2.8	460	150851	387349.98	6909796.517	24.8
L23	58197.23	-21	58197.23	-38	80	387356.085	6909805.85	-21	00023N	8.4	99	57033.85	2.73	470	150649	387356.13	6909802.027	24.8
L23	58128.28	-25.5	58128.28	-33	79	387362.863	6909814.09	-25.5	00023N	7.3	99	56964.72	2.65	480	150619	387361.5347	6909811.607	24.8
L23	58106.95	-36.5	58106.95	-8	81	387371.251	6909824.29	-36.5	00023N	2.5	99	56943.54	2.5	490	150351	387366.9823	6909824.081	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L23	58187.35	-48	58187.35	-2	78	387382.36	6909837.8	-48	00023N	-1.1	99	57024.01	2.4	500	150232	387381.915	6909834.18	24.8
L23	58219.78	-48.6	58219.78	-35	77	387388.89	6909845.74	-48.6	00023N	-8.4	99	57056.63	2.62	510	150155	387387.5903	6909843.13	24.8
L23	58424.12	-50.4	58424.12	-32	81	387394.135	6909852.12	-50.4	00023N	-10.4	99	57260.72	2.69	520	150119	387394.09	6909848.623	24.8
L23	58487.57	-49.6	58487.57	-47	80	387396.726	6909855.27	-49.6	00023N	-9.7	99	57324.15	2.88	530	150047	387396.2363	6909852.24	24.8
L23	58138.26	-49.3	58138.26	-2	93	387402.011	6909861.69	-49.3	00023N	-6.2	99	56974.53	2.87	540	150017	387398.8173	6909860.419	24.8
L23	58168.76	-50.3	58168.76	-3	92	387408.098	6909869.09	-50.3	00023N	-8	99	57005.13	2.84	550	145944	387406.9733	6909865.99	24.8
L23	58252.37	-49.3	58252.37	-28	94	387413.516	6909875.68	-49.3	00023N	-7.7	99	57089	3.03	560	145918	387413.346	6909872.048	24.8
L23	58447.41	-46.8	58447.41	-25	97	387420.475	6909884.14	-46.8	00023N	-8.6	99	57284.31	3.08	570	145832	387421.714	6909879.631	24.8
L23	58650.87	-46.4	58650.87	-11	98	387426.018	6909890.88	-46.4	00023N	-9.2	99	57487.26	3.06	580	145807	387425.7413	6909887.674	24.8
L23	58506.62	-37.7	58506.62	-20	104	387433.964	6909900.54	-37.7	00023N	-7.2	99	57342.72	3.28	590	145733	387432.0447	6909898.924	24.8
L23	58513.08	-32.1	58513.08	-22	108	387440.235	6909908.17	-32.1	00023N	-3.3	99	57348.55	3.4	600	145650	387441.819	6909901.754	24.8
L23	58475.78	-28.9	58475.78	-36	101	387446.897	6909916.27	-28.9	00023N	-3.2	99	57311.1	3.3	610	145556	387445.128	6909912.047	24.8
L23	58424.87	-30.6	58424.87	4	104	387454.496	6909925.51	-30.6	00023N	-3.2	99	57260.18	3.22	620	145519	387453.3883	6909921.203	24.8
L23	58440.47	-30.7	58440.47	-12	103	387458.799	6909930.74	-30.7	00023N	-3.3	99	57275.87	3.19	630	145440	387458.2657	6909926.199	24.8
L23	58470.63	-32.2	58470.63	7	101	387464.984	6909938.26	-32.2	00023N	-1.9	99	57305.72	3.14	640	145347	387465.7213	6909932.919	24.8
L23	58546.63	-34.4	58546.63	3	101	387471.969	6909946.75	-34.4	00023N	-2.6	99	57381.66	3.11	650	145205	387471.522	6909942.658	24.8
L23	58686.66	-35.3	58686.66	-24	49	387477.554	6909953.54	-35.3	00023N	-2.7	99	57521.42	3.37	660	145130	387479.5567	6909946.849	24.8
L23	58685.25	-35.4	58685.25	-22	50	387485.845	6909963.62	-35.4	00023N	-2.4	99	57520.1	3.41	670	145057	387484.7767	6909959.25	24.8
L23	58755.7	-32.6	58755.7	7	53	387490.411	6909969.17	-32.6	00023N	-1.1	99	57590.2	3.33	680	145023	387489.1673	6909965.22	24.8
L23	58890.89	-34	58890.89	-15	53	387496.82	6909976.97	-34	00023N	-0.7	99	57725.3	3.4	690	145001	387494.6521	6909974.056	24.8
L23	59211.16	-34.2	59211.16	-9	54	387503.554	6909985.15	-34.2	00023N	-1.2	99	58045.42	3.41	700	144933	387500.96	6909982.98	24.8
L23	59220.33	-35.7	59220.33	-2	55	387509.164	6909991.97	-35.7	00023N	0.4	99	58054.48	3.42	710	144907	387506.4687	6909990.229	24.8
L23	59355.89	-35.1	59355.89	-16	55	387515.194	6909999.31	-35.1	00023N	-0.1	99	58189.73	3.55	720	144840	387514.2487	6909996.164	24.8
L23	59283.26	-36	59283.26	-8	56	387521.229	6910006.64	-36	00023N	-0.7	99	58116.75	3.5	730	144813	387520.7247	6910003.511	24.8
L23	59495.63	-37	59495.63	-3	56	387528.315	6910015.26	-37	00023N	-1.3	99	58329.14	3.47	740	144734	387528.0253	6910012.394	24.8
L23	59539.33	-34.2	59539.33	-3	58	387534.343	6910022.59	-34.2	00023N	0.6	99	58372.57	3.59	750	144707	387536.095	6910017.924	24.8
L23	59454.34	-34.4	59454.34	0	57	387539.91	6910029.36	-34.4	00023N	1.1	99	58287.81	3.53	760	144643	387540.0173	6910026.062	24.8
L23	59390.01	-35.1	59390.01	0	59	387546.037	6910036.81	-35.1	00023N	0.4	99	58223.2	3.64	770	144612	387547.224	6910032.911	24.8
L23	59491.6	-33.3	59491.6	0	59	387553.011	6910045.29	-33.3	00023N	1.4	99	58324.44	3.67	780	144542	387556.1837	6910039.827	24.8
L23	59322.49	-30.6	59322.49	2	61	387559.241	6910052.86	-30.6	00023N	2.5	99	58155.03	3.76	790	144508	387560.281	6910049.069	24.8
L23	59593.08	-22.6	59593.08	7	60	387568.95	6910064.66	-22.6	00023N	8.4	99	58425.67	3.77	800	144422	387567.7427	6910062.946	24.8
L23	59690.74	-24.5	59690.74	-11	58	387573.573	6910070.29	-24.5	00023N	8.3	99	58523.51	3.64	810	144360	387573.4771	6910067.782	24.8
L23	59544.36	-28.1	59544.36	-12	56	387579.473	6910077.46	-28.1	00023N	6.5	99	58377.08	3.53	820	144321	387580.3323	6910074.467	24.8
L23	59339.23	-32.6	59339.23	-3	56	387585.831	6910085.19	-32.6	00023N	5	99	58171.77	3.48	830	144259	387586.0705	6910083.04	24.8
L23	58995.3	-35	58995.3	-11	54	387591.6	6910092.2	-35	00023N	3.8	99	57827.26	3.45	840	144228	387591.97	6910090.31	24.8
L23	58867.49	-36.2	58867.49	8	56	387598.588	6910100.7	-36.2	00023N	4	99	57699.43	3.48	850	144205	387600.1107	6910098.206	24.8
L23	58817.81	-40.4	58817.81	-12	54	387602.934	6910105.98	-40.4	00023N	2.3	99	57649.57	3.45	860	144129	387604.3673	6910103.828	24.8
L23	58650.55	-42.7	58650.55	-13	54	387609.678	6910114.18	-42.7	00023N	0.6	99	57482.3	3.45	870	144104	387610.2223	6910113.075	24.8
L23	58589.94	-47.5	58589.94	-1	54	387617.004	6910123.09	-47.5	00023N	-0.6	99	57421.61	3.34	880	144038	387617.1587	6910122.73	24.8
L23	58533.72	-50	58533.72	-6	55	387622.551	6910129.83	-50	00023N	-0.7	99	57365.12	3.45	890	144010	387624.816	6910127.462	24.8
L23	58557.71	-47.7	58557.71	-12	55	387630.174	6910139.1	-47.7	00023N	1.1	99	57388.85	3.5	900	143938	387632.776	6910136.931	24.8
L23	58458.18	-48.2	58458.18	0	54	387634.996	6910144.97	-48.2	00023N	0.4	99	57289.03	3.35	910	143907	387639.4093	6910141.083	24.8
L23	58443.39	-47.8	58443.39	-20	58	387641.972	6910153.45	-47.8	00023N	-1	99	57274.14	3.82	920	143838	387644.6193	6910151.133	24.8
L23	58468.83	-47.7	58468.83	-18	61	387646.894	6910159.43	-47.7	00023N	-0.7	99	57299.63	3.93	930	143814	387647.928	6910158.404	24.8
L23	58380.44	-45.7	58380.44	-44	53	387652.278	6910165.98	-45.7	00023N	-1.2	99	57211.11	4.27	940	143736	387652.279	6910165.979	24.8
L24	58618.24	26.6	58618.24	22	56	387131.93	6909378.03	26.6	00024N	6.4	99	57444.51	3.74	0	123550	387131.933	6909378.033	24.8
L24	58576.21	26.5	58576.21	9	56	387138.886	6909386.44	26.5	00024N	4.8	99	57402.45	3.54	10	123927	387140.344	6909385.569	24.8
L24	58629.78	24.2	58629.78	4	56	387145.399	6909394.31	24.2	00024N	4.4	99	57455.84	3.49	20	123949	387147.624	6909393.239	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L24	58599.93	20.7	58599.93	20	55	387150.719	6909400.74	20.7	00024N	2.4	99	57425.74	3.62	30	124013	387154.4833	6909398.488	24.8
L24	58411.9	18.8	58411.9	14	57	387155.924	6909407.02	18.8	00024N	0.5	99	57237.49	3.63	40	124036	387157.772	6909406.272	24.8
L24	58380.48	18	58380.48	30	53	387162.396	6909414.85	18	00024N	0.4	99	57205.83	3.75	50	124152	387164.81	6909414.073	24.8
L24	58397.15	21.1	58397.15	22	57	387168.267	6909421.94	21.1	00024N	2.2	99	57222.87	3.76	60	124226	387171.397	6909420.964	24.8
L24	58464.29	26.1	58464.29	10	59	387176.134	6909431.45	26.1	00024N	5.2	99	57289.84	3.7	70	124308	387179.036	6909431.2	24.8
L24	58505.59	28	58505.59	22	54	387182.676	6909439.35	28	00024N	7	99	57331.33	3.61	80	124337	387183.036	6909441.039	24.8
L24	58557.92	31.5	58557.92	26	54	387187.783	6909445.52	31.5	00024N	9.7	99	57383.76	3.69	90	124401	387187.72	6909447.88	24.8
L24	58579.82	31.3	58579.82	32	49	387194.285	6909453.38	31.3	00024N	9.8	99	57405.47	3.6	100	124434	387195.388	6909455.135	24.8
L24	58548.16	31.6	58548.16	37	101	387200.739	6909461.18	31.6	00024N	9.5	99	57373.55	3.33	110	124509	387202.142	6909463.148	24.8
L24	58518.23	31.4	58518.23	20	103	387207.203	6909468.99	31.4	00024N	9.4	99	57343.03	3.24	120	124611	387210.6	6909469.359	24.8
L24	58539.17	30	58539.17	15	104	387213.851	6909477.02	30	00024N	9.4	99	57363.72	3.24	130	124728	387217.572	6909477.6	24.8
L24	58551.39	29.7	58551.39	15	99	387219.3	6909483.61	29.7	00024N	8.8	99	57375.77	3.11	140	124805	387222.725	6909484.791	24.8
L24	58636.07	29.4	58636.07	6	97	387225.277	6909490.83	29.4	00024N	8.9	99	57459.89	3.01	150	124840	387228.956	6909492.23	24.8
L24	58531.19	22.4	58531.19	29	94	387232.06	6909499.03	22.4	00024N	4.7	99	57354.99	3.04	160	124919	387236.71	6909500.05	24.8
L24	58448.64	19	58448.64	22	94	387238.403	6909506.69	19	00024N	0.8	99	57272.74	2.98	170	125019	387241.8567	6909508.969	24.8
L24	58582.73	15.8	58582.73	36	90	387244.918	6909514.57	15.8	00024N	-0.6	99	57406.97	3.01	180	125136	387248.248	6909517.397	24.8
L24	58792.73	12.5	58792.73	84	69	387252.354	6909523.55	12.5	00024N	-2.9	99	57616.92	3.37	190	125222	387257.908	6909524.639	24.8
L24	58681.25	10.9	58681.25	45	89	387257.826	6909530.16	10.9	00024N	-4.7	99	57505.7	3.09	200	125332	387261.226	6909532.88	24.8
L24	58630.45	7.7	58630.45	40	95	387264.599	6909538.35	7.7	00024N	-4.6	99	57454.81	3.18	210	125421	387270.7203	6909538.428	24.8
L24	58594.72	7.2	58594.72	69	83	387270.782	6909545.82	7.2	00024N	-4.8	99	57419.08	3.34	220	125445	387276.8793	6909546.355	24.8
L24	58573.47	6.5	58573.47	45	94	387277.731	6909554.22	6.5	00024N	-4.3	99	57398.14	3.22	230	125509	387285.1157	6909554.065	24.8
L24	58440.82	5	58440.82	55	91	387283.827	6909561.58	5	00024N	-4.2	99	57265.3	3.29	240	125629	387284.94	6909563.96	24.8
L24	58630.5	5.6	58630.5	38	96	387290.811	6909570.02	5.6	00024N	-5.3	99	57454.74	3.2	250	125655	387294.9107	6909569.359	24.8
L24	58577.03	2.1	58577.03	55	92	387297.947	6909578.65	2.1	00024N	-6	99	57400.94	3.3	260	125750	387302.3993	6909578.2	24.8
L24	58603.29	2.4	58603.29	8	102	387303.404	6909585.24	2.4	00024N	-6.5	99	57427.58	3.15	270	125818	387304.866	6909586.708	24.8
L24	58468.2	1.1	58468.2	14	100	387310.118	6909593.35	1.1	00024N	-7.2	99	57292.62	3.13	280	125856	387312.054	6909594.904	24.8
L24	58479.91	-1.4	58479.91	92	72	387314.786	6909598.99	-1.4	00024N	-7.7	99	57304.17	3.61	290	130005	387318.042	6909599.549	24.8
L24	58452.9	-2.7	58452.9	46	99	387322.091	6909607.82	-2.7	00024N	-8.7	99	57277.24	3.37	300	130040	387326.25	6909608.11	24.8
L24	58416.18	-2.3	58416.18	27	107	387329.306	6909616.54	-2.3	00024N	-8	99	57240.58	3.39	310	130114	387331.954	6909618.342	24.8
L24	58614.76	0	58614.76	32	106	387335.2	6909623.66	0	00024N	-4.7	99	57438.72	3.41	320	130153	387338.9103	6909624.911	24.8
L24	58551.77	3.3	58551.77	9	109	387341.465	6909631.23	3.3	00024N	-3.2	99	57375.64	3.37	330	130223	387343.882	6909633.785	24.8
L24	58762.06	2	58762.06	58	97	387347.311	6909638.3	2	00024N	-1.4	99	57585.82	3.5	340	130250	387348.966	6909641.8	24.8
L24	58704.6	3	58704.6	28	105	387352.717	6909644.83	3	00024N	-0.5	99	57528.93	3.35	350	130343	387353.8733	6909649.077	24.8
L24	58693.77	4	58693.77	2	106	387361.25	6909655.14	4	00024N	1.8	99	57518.35	3.28	360	130412	387364.3527	6909658.14	24.8
L24	58618	2.2	58618	44	100	387365.401	6909660.16	2.2	00024N	2.4	99	57442.89	3.39	370	130438	387367.7403	6909663.966	24.8
L24	58849.05	5.5	58849.05	21	105	387373.31	6909669.71	5.5	00024N	7.5	99	57673.99	3.31	380	130504	387378.9597	6909670.21	24.8
L24	58745.89	6.1	58745.89	-1	105	387379.064	6909676.67	6.1	00024N	8.1	99	57570.04	3.23	390	130558	387383.0033	6909678.631	24.8
L24	58608.99	3.2	58608.99	-10	102	387384.787	6909683.58	3.2	00024N	9.6	99	57433.04	3.17	400	130628	387389.5383	6909685.235	24.8
L24	58524.4	3.9	58524.4	-5	100	387391.019	6909691.11	3.9	00024N	10.1	99	57349.22	3.08	410	130720	387393.89	6909694.37	24.8
L24	58354.27	1.8	58354.27	1	103	387397.177	6909698.56	1.8	00024N	11	99	57178.49	3.17	420	130805	387400.9967	6909701.403	24.8
L24	58339.68	4.6	58339.68	-9	101	387403.143	6909705.76	4.6	00024N	16.3	99	57164.53	3.12	430	130858	387407.263	6909708.788	24.8
L24	58273.49	3.9	58273.49	-3	93	387409.954	6909714	3.9	00024N	17.2	99	57099.1	2.87	440	132246	387414.2773	6909717.337	24.8
L24	58249.68	2.1	58249.68	-26	91	387414.626	6909719.64	2.1	00024N	17.4	99	57075.18	2.91	450	132320	387418.689	6909723.508	24.8
L24	58353.76	-1.5	58353.76	-9	91	387423.146	6909729.94	-1.5	00024N	16.8	99	57179.68	2.83	460	132409	387426.9877	6909734.573	24.8
L24	58326.67	-3.3	58326.67	-46	82	387429.253	6909737.32	-3.3	00024N	17.3	99	57152.39	2.91	470	132447	387433.5557	6909742.002	24.8
L24	58326.58	-5.8	58326.58	-46	81	387435.083	6909744.36	-5.8	00024N	16.9	99	57152.61	2.88	480	132520	387435.87	6909751.179	24.8
L24	58403.51	-10.4	58403.51	-44	75	387442.008	6909752.73	-10.4	00024N	15.1	99	57229.21	2.69	490	132607	387445.9	6909756.261	24.8
L24	58344.5	-17.2	58344.5	-31	79	387447.301	6909759.13	-17.2	00024N	14.3	99	57170.13	2.63	500	132649	387452.774	6909761.416	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L24	58361.93	-25.6	58361.93	-29	76	387454.074	6909767.31	-25.6	00024N	7.4	99	57187.3	2.5	510	132755	387459.5367	6909770.088	24.8
L24	58242.95	-34.7	58242.95	-14	77	387460.686	6909775.3	-34.7	00024N	4.6	99	57068.18	2.41	520	132826	387463.875	6909779.907	24.8
L24	58199.51	-39.3	58199.51	-33	76	387465.861	6909781.55	-39.3	00024N	0.4	99	57024.45	2.56	530	133156	387470.18	6909785.46	24.8
L24	58289.34	-45.4	58289.34	-23	79	387473.675	6909791	-45.4	00024N	-4.8	99	57113.95	2.54	540	133252	387480.7847	6909792.423	24.8
L24	58350.34	-48.7	58350.34	-1	84	387479.906	6909798.53	-48.7	00024N	-6	99	57175.61	2.59	550	133329	387483.103	6909802.27	24.8
L24	58338.61	-47.5	58338.61	2	92	387487.722	6909807.97	-47.5	00024N	-4.9	99	57163.66	2.85	560	133538	387491.5367	6909811.753	24.8
L24	58232.48	-46.3	58232.48	-8	92	387493.649	6909815.13	-46.3	00024N	-4.2	99	57057.63	2.86	570	133634	387496.3907	6909820.061	24.8
L24	58399.53	-47.3	58399.53	-14	90	387500.623	6909823.56	-47.3	00024N	-5.4	99	57224.69	2.82	580	133703	387505.9217	6909826.175	24.8
L24	58459.35	-46.9	58459.35	64	76	387505.944	6909829.99	-46.9	00024N	-3.3	99	57283.98	3.07	590	133811	387509.9387	6909833.822	24.8
L24	58530	-45.6	58530	28	94	387512.847	6909838.33	-45.6	00024N	-4.7	99	57354.96	3.04	600	133857	387515.37	6909843.625	24.8
L24	58492.24	-50	58492.24	41	93	387518.169	6909844.76	-50	00024N	-6.7	99	57317.78	3.14	610	134016	387523.465	6909846.648	24.8
L24	58381.81	-51.6	58381.81	-7	102	387525.328	6909853.41	-51.6	00024N	-8.6	99	57207.36	3.15	620	134119	387526.723	6909857.805	24.8
L24	58317.15	-46.3	58317.15	-40	97	387532.541	6909862.13	-46.3	00024N	-7.2	99	57142.42	3.25	630	134159	387536.8177	6909863.741	24.8
L24	58311.76	-43.8	58311.76	-6	108	387539.474	6909870.51	-43.8	00024N	-4.6	99	57137.07	3.34	640	134234	387540.58	6909874.35	24.8
L24	58348.93	-41.4	58348.93	8	108	387545.973	6909878.36	-41.4	00024N	-3.9	99	57174.57	3.34	650	134353	387549.402	6909880.136	24.8
L24	58423.98	-43.1	58423.98	0	106	387553.918	6909887.96	-43.1	00024N	-4.3	99	57249.91	3.26	660	134438	387560.1347	6909887.291	24.8
L24	58454.83	-44.4	58454.83	23	102	387559.93	6909895.23	-44.4	00024N	-4.7	99	57281.61	3.22	670	134743	387563.9553	6909896.273	24.8
L24	58535.41	-44.2	58535.41	24	104	387566.411	6909903.06	-44.2	00024N	-4.4	99	57362.55	3.29	680	134817	387572.427	6909902.514	24.8
L24	58580.91	-42.1	58580.91	41	105	387571.565	6909909.29	-42.1	00024N	-3.4	99	57407.96	3.47	690	134858	387579.11	6909907.55	24.8
L24	58739.35	-43.2	58739.35	11	108	387578.558	6909917.74	-43.2	00024N	-4.3	99	57566.5	3.36	700	134952	387578.0213	6909918.851	24.8
L24	58866.1	-40.8	58866.1	19	109	387585.378	6909925.98	-40.8	00024N	-2.7	99	57693.08	3.41	710	135058	387585.9797	6909926.549	24.8
L24	59037.05	-40.5	59037.05	1	111	387593.069	6909935.27	-40.5	00024N	-1.5	99	57864.55	3.41	720	135148	387596.578	6909933.152	24.8
L24	58982.63	-38.7	58982.63	-17	110	387599.218	6909942.7	-38.7	00024N	-1	99	57809.55	3.44	730	135233	387595.355	6909943.06	24.8
L24	59205.96	-40.1	59205.96	-9	108	387607.81	6909953.09	-40.1	00024N	-0.5	99	58033.38	3.35	740	135323	387608.457	6909947.85	24.8
L24	59273.42	-40.2	59273.42	14	110	387614.651	6909961.35	-40.2	00024N	-1	99	58100.6	3.41	750	135514	387614.3763	6909957.247	24.8
L24	59501.03	-41.5	59501.03	31	112	387620.984	6909969	-41.5	00024N	-0.8	99	58328.68	3.59	760	135718	387616.4497	6909967.318	24.8
L24	59564.56	-42.7	59564.56	64	94	387627.496	6909976.87	-42.7	00024N	-1.8	99	58391.92	3.52	770	135827	387625.6267	6909972.567	24.8
L24	59649.95	-44.9	59649.95	-13	111	387634.398	6909985.21	-44.9	00024N	-3	99	58477.43	3.46	780	141255	387631.2113	6909982.283	24.8
L24	59668.22	-48.6	59668.22	13	108	387638.646	6909990.35	-48.6	00024N	-4	99	58495.69	3.34	790	141326	387635.544	6909987.648	24.8
L24	59658.39	-49.3	59658.39	26	105	387644.543	6909997.47	-49.3	00024N	-4.2	99	58486.59	3.35	800	141410	387642.668	6909994.045	24.8
L24	59559.99	-48.1	59559.99	25	111	387652.73	6910007.37	-48.1	00024N	-3.7	99	58388.53	3.52	810	141459	387649.9114	6910005.188	24.8
L24	59244.44	-48.5	59244.44	11	116	387656.569	6910012.01	-48.5	00024N	-3.1	99	58073.11	3.59	820	141532	387654.528	6910009.376	24.8
L24	59052.4	-44.9	59052.4	-11	114	387664.665	6910021.79	-44.9	00024N	-0.7	99	57881.7	3.52	830	141607	387662.1273	6910020.101	24.8
L24	58638.61	-46	58638.61	-7	115	387670.852	6910029.27	-46	00024N	-1.2	99	57467.2	3.54	840	141658	387668.58	6910027.8	24.8
L24	58414.33	-45.8	58414.33	-8	115	387675.836	6910035.29	-45.8	00024N	-2.9	99	57243.55	3.57	850	141905	387673.979	6910033.826	24.8
L24	58275.67	-42.8	58275.67	-19	115	387680.915	6910041.43	-42.8	00024N	-4.1	99	57104.9	3.61	860	142004	387678.9707	6910040.39	24.8
L24	58229.61	-47.6	58229.61	-2	120	387688.59	6910050.7	-47.6	00024N	-5	99	57058.32	3.69	870	142050	387686.9467	6910049.963	24.8
L24	58206.43	-43.5	58206.43	-7	124	387694.861	6910058.28	-43.5	00024N	-4.6	99	57035.27	3.83	880	142118	387692.9717	6910058.171	24.8
L24	58184.79	-45.9	58184.79	1	62	387700.319	6910064.87	-45.9	00024N	-7.6	99	57013.84	3.83	890	142201	387700.0067	6910063.56	24.8
L24	58170.33	-48.5	58170.33	0	61	387707.422	6910073.46	-48.5	00024N	-10.9	99	56999.52	3.8	900	142226	387707.6217	6910072.219	24.8
L24	58184.2	-46.6	58184.2	-8	66	387714.236	6910081.69	-46.6	00024N	-12.2	99	57013.18	4.11	910	142260	387715.3791	6910080.105	24.8
L24	58153.74	-44.2	58153.74	3	71	387720.312	6910089.03	-44.2	00024N	-10.8	99	56982.09	4.41	920	142410	387720.07	6910088.785	24.8
L24	58145.13	-32.8	58145.13	-9	73			-32.8	00024N	-6.3	99	56973.46	4.53	930	142501	387726.4967	6910096.512	24.8
L25	58537.85	16.1	58561.2748	59	96	387216.26	6909321.05	16.1	00025N	6.9	99	57379.52	3.49	10	142005	387216.265	6909321.05	24.8
L25	58495.05	14.7	58518.4748	47	103	387221.945	6909327.89	14.7	00025N	4.5	99	57336.65	3.5	20	141938	387221.0663	6909328.876	24.8
L25	58408.94	12.3	58432.3648	43	107	387228.847	6909336.19	12.3	00025N	3.9	99	57250.44	3.57	30	141905	387229.522	6909336.137	24.8
L25	58416.62	14.2	58440.0448	67	97	387234.9	6909343.47	14.2	00025N	5.9	99	57257.76	3.65	40	141820	387237.152	6909342.247	24.8
L25	58451.28	14.9	58474.7048	13	112	387240.468	6909350.17	14.9	00025N	8.3	99	57292.42	3.47	50	141750	387242.12	6909349.743	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L25	58421.63	13.8	58445.0548	-28	109	387247.381	6909358.48	13.8	00025N	7.6	99	57262.61	3.49	60	141702	387248.6853	6909358.773	24.8
L25	58328.98	14.1	58352.4048	22	111	387253.787	6909366.18	14.1	00025N	5.8	99	57169.84	3.48	70	141560	387253.957	6909367.674	24.8
L25	58343.73	15.8	58367.1548	24	112	387261.288	6909375.21	15.8	00025N	7.6	99	57184.42	3.52	80	141509	387263.3113	6909375.371	24.8
L25	58382.98	19.3	58406.4048	27	109	387268.075	6909383.37	19.3	00025N	8.4	99	57223.47	3.47	90	141411	387270.3433	6909383.777	24.8
L25	58383.65	21.3	58407.0748	7	108	387273.963	6909390.45	21.3	00025N	11.2	99	57224.02	3.34	100	141330	387273.756	6909392.653	24.8
L25	58382.3	21	58405.7248	15	106	387277.567	6909394.79	21	00025N	8.1	99	57222.5	3.31	110	141304	387275.058	6909398.326	24.8
L25	58423.03	17.1	58446.4548	85	74	387287.075	6909406.22	17.1	00025N	4.1	99	57262.48	3.48	120	141128	387286.636	6909408.411	24.8
L25	58427.08	17.8	58450.5048	73	85	387292.587	6909412.85	17.8	00025N	3.7	99	57266.39	3.48	130	141055	387291.079	6909416.124	24.8
L25	58478.92	13.3	58502.3448	13	104	387299.867	6909421.61	13.3	00025N	-3.3	99	57318.05	3.23	140	141011	387302.1767	6909420.007	24.8
L25	58445.85	12.6	58469.2748	36	101	387305.21	6909428.03	12.6	00025N	-5	99	57285.07	3.3	150	140950	387308.9273	6909425.381	24.8
L25	58452.27	12	58475.6948	24	108	387313.222	6909437.67	12	00025N	-4.7	99	57291.51	3.41	160	140921	387315.2607	6909436.663	24.8
L25	58465.22	12.7	58488.6448	14	107	387319.085	6909444.72	12.7	00025N	-3.4	99	57304.23	3.34	170	140848	387318.9287	6909445.393	24.8
L25	58466.69	12.1	58490.1148	54	95	387324.829	6909451.63	12.1	00025N	-2.8	99	57305.78	3.38	180	140826	387324.213	6909453.017	24.8
L25	58476.92	11.2	58500.3448	13	106	387331.082	6909459.15	11.2	00025N	-2.1	99	57315.88	3.28	190	140758	387331.2102	6909460.298	24.8
L25	58526.76	11.2	58550.1848	43	97	387338.202	6909467.71	11.2	00025N	-2	99	57365.54	3.29	200	140728	387335.4607	6909470.982	24.8
L25	58496.28	9.6	58519.7048	65	87	387344.676	6909475.5	9.6	00025N	-2.2	99	57334.89	3.34	210	140659	387344.1994	6909476.722	24.8
L25	58567.19	8.2	58590.6148	72	83	387350.457	6909482.45	8.2	00025N	-2.8	99	57405.73	3.4	220	140631	387352.4287	6909481.131	24.8
L25	58557.21	6.6	58580.6348	43	97	387357.65	6909491.1	6.6	00025N	-1.2	99	57395.61	3.29	230	140557	387358.259	6909491.177	24.8
L25	58499.13	4.6	58522.5548	23	104	387363.167	6909497.74	4.6	00025N	-2.4	99	57337.49	3.3	240	140525	387362.1127	6909499.209	24.8
L25	58539.9	4.8	58563.3248	75	80	387370.3	6909506.32	4.8	00025N	-4.1	99	57378.25	3.38	250	140459	387370.6967	6909506.893	24.8
L25	58652.9	2.1	58676.3248	15	103	387377.176	6909514.59	2.1	00025N	-4.2	99	57491.13	3.22	260	140433	387373.7007	6909517.583	24.8
L25	58682.56	1.2	58705.9848	51	95	387382.586	6909521.09	1.2	00025N	-6.7	99	57520.66	3.33	270	140409	387380.358	6909523.24	24.8
L25	58619.51	0.3	58642.9348	30	104	387387.394	6909526.87	0.3	00025N	-6	99	57457.67	3.34	280	140340	387385.4217	6909529.127	24.8
L25	58537.42	-1.6	58560.8448	40	100	387391.051	6909531.27	-1.6	00025N	-7.9	99	57375.5	3.34	290	140319	387385.428	6909535.032	24.8
L25	58451.29	-1.7	58474.7148	32	111	387402.534	6909545.08	-1.7	00025N	-5.1	99	57289.29	3.56	300	140231	387401.377	6909544.494	24.8
L25	58459.7	2.3	58483.1248	43	115	387409.435	6909553.38	2.3	00025N	-1.3	99	57297.71	3.78	310	140203	387407.5783	6909553.754	24.8
L25	58501.8	6.2	58525.2248	76	94	387415.247	6909560.37	6.2	00025N	2.9	99	57339.98	3.75	320	140142	387414.0903	6909560.513	24.8
L25	58572.41	8	58595.8348	48	106	387421.176	6909567.5	8	00025N	5	99	57410.43	3.61	330	140118	387419.015	6909568.725	24.8
L25	58644.53	9.1	58667.9548	51	101	387429.403	6909577.4	9.1	00025N	8.5	99	57482.41	3.49	340	140049	387430.0073	6909576.189	24.8
L25	58490.58	7.9	58514.0048	39	104	387435.161	6909584.32	7.9	00025N	7.3	99	57328.57	3.44	350	140024	387435.804	6909583.458	24.8
L25	58445.03	6.7	58468.4548	34	105	387440.442	6909590.68	6.7	00025N	8.1	99	57283.25	3.41	360	140001	387439.512	6909591.138	24.8
L25	58401.54	10	58424.9648	47	102	387446.512	6909597.98	10	00025N	12	99	57239.91	3.48	370	135938	387447.7383	6909596.47	24.8
L25	58418.58	9.5	58442.0048	65	92	387453.328	6909606.17	9.5	00025N	14.9	99	57257.14	3.47	380	135911	387453.626	6909605.771	24.8
L25	58437.59	8.5	58461.0148	31	102	387459.6	6909613.72	8.5	00025N	15.9	99	57276.24	3.29	390	135846	387459.6493	6909613.915	24.8
L25	58440.93	8	58464.3548	47	94	387465.54	6909620.86	8	00025N	16.4	99	57279.66	3.24	400	135822	387465.14	6909621.78	24.8
L25	58424.1	6.5	58447.5248	37	94	387471.488	6909628.01	6.5	00025N	18.1	99	57262.94	3.12	410	135743	387470.114	6909629.997	24.8
L25	58386.89	3.9	58410.3148	11	100	387477.695	6909635.48	3.9	00025N	18.6	99	57225.8	3.12	420	135703	387477.546	6909636.723	24.8
L25	58398.87	1.1	58422.2948	4	99	387485.542	6909644.92	1.1	00025N	15.2	99	57237.89	3.06	430	135553	387486.281	6909645.905	24.8
L25	58398.15	0	58421.5748	34	93	387490.418	6909650.78	0	00025N	13.4	99	57237.22	3.05	440	135444	387491.5	6909651.801	24.8
L25	58374.41	-2.9	58397.8348	67	75	387498.018	6909659.92	-2.9	00025N	12.2	99	57213.44	3.13	450	135330	387498.685	6909661.753	24.8
L25	58422.36	-4.9	58445.7848	53	82	387503.591	6909666.63	-4.9	00025N	12.5	99	57261.28	3.03	460	135236	387504.605	6909668.53	24.8
L25	58363.39	-8.3	58386.8148	21	90	387509.755	6909674.04	-8.3	00025N	10.7	99	57201.96	2.87	470	135154	387511.426	6909675.78	24.8
L25	58288.03	-9.9	58311.4548	53	84	387516.229	6909681.83	-9.9	00025N	10.2	99	57126.25	3.07	480	135052	387518.2333	6909683.717	24.8
L25	58229.48	-11.3	58252.9048	49	87	387521.881	6909688.62	-11.3	00025N	8.9	99	57067.52	3.08	490	135005	387525.7887	6909688.836	24.8
L25	58225.35	-15.2	58248.7748	19	96	387530.195	6909698.62	-15.2	00025N	7.5	99	57062.84	3.01	500	134852	387529.8573	6909701.632	24.8
L25	58191.02	-15	58214.4448	6	97	387535.187	6909704.63	-15	00025N	8.1	99	57028.34	2.99	510	134821	387536.64	6909705.99	24.8
L25	58130.74	-14.7	58154.1648	-3	98	387541.517	6909712.24	-14.7	00025N	10.4	99	56967.87	3.01	520	134738	387543.2717	6909713.77	24.8
L25	58167.49	-19.9	58190.9148	-6	92	387547.414	6909719.33	-19.9	00025N	6	99	57004.56	2.86	530	134700	387548.1983	6909721.919	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L25	58152.53	-24	58175.9548	7	92	387554.839	6909728.26	-24	00025N	5.4	99	56989.42	2.83	540	134623	387553.535	6909732.657	24.8
L25	58253.1	-29.9	58276.5248	-13	89	387562.242	6909737.17	-29.9	00025N	1.9	99	57090.43	2.77	550	134417	387563.3833	6909739.437	24.8
L25	58230.6	-31.5	58254.0248	38	83	387568.505	6909744.7	-31.5	00025N	1.3	99	57068.21	2.84	560	134323	387569.192	6909747.716	24.8
L25	58198.82	-31.4	58222.2448	23	88	387573.682	6909750.92	-31.4	00025N	0.8	99	57036.51	2.8	570	134255	387575.8213	6909752.81	24.8
L25	58195.06	-33.6	58218.4848	2	92	387579.371	6909757.77	-33.6	00025N	-1.3	99	57032.93	2.83	580	134228	387582.5183	6909759.1	24.8
L25	58209.86	-36.2	58233.2848	-22	92	387586.261	6909766.05	-36.2	00025N	-2.2	99	57047.84	2.93	590	134202	387586.0967	6909769.636	24.8
L25	58245.48	-40.9	58268.9048	-5	89	387593.007	6909774.17	-40.9	00025N	-7.1	99	57083.78	2.76	600	134132	387594.268	6909776.84	24.8
L25	58272.81	-42.1	58296.2348	32	85	387599.862	6909782.41	-42.1	00025N	-7.3	99	57111.04	2.82	610	134008	387600.2	6909786.187	24.8
L25	58278.02	-42.9	58301.4448	-2	95	387604.147	6909787.56	-42.9	00025N	-8.2	99	57116.2	2.93	620	133926	387605.0533	6909791.12	24.8
L25	58313.01	-44.7	58336.4348	15	93	387611.279	6909796.14	-44.7	00025N	-11.5	99	57151.09	2.92	630	133845	387613.402	6909799.054	24.8
L25	58332.1	-46.6	58355.5248	0	96	387616.562	6909802.5	-46.6	00025N	-13.5	99	57170.44	2.98	640	133817	387620.824	6909803.264	24.8
L25	58340.41	-44.5	58363.8348	-6	104	387624.22	6909811.71	-44.5	00025N	-12	99	57178.65	3.21	650	133739	387626.194	6909814.404	24.8
L25	58363.58	-42.1	58387.0048	3	107	387630.837	6909819.67	-42.1	00025N	-10.5	99	57201.63	3.29	660	133653	387630.34	6909824.253	24.8
L25	58374.86	-40.4	58398.2848	27	101	387634.871	6909824.52	-40.4	00025N	-11.2	99	57212.56	3.22	670	133631	387633.93	6909829.689	24.8
L25	58395.08	-38.4	58418.5048	0	109	387642.873	6909834.14	-38.4	00025N	-10.2	99	57232.38	3.36	680	133544	387645.4443	6909835.556	24.8
L25	58435.74	-37.6	58459.1648	-7	109	387650.76	6909843.63	-37.6	00025N	-11	99	57272.55	3.38	690	133501	387647.648	6909848.1	24.8
L25	58512.7	-36.7	58536.1248	6	114	387657.847	6909852.15	-36.7	00025N	-9.4	99	57349.49	3.52	700	133434	387652.656	6909858.391	24.8
L25	58404.05	-31.9	58427.4748	42	107	387664.208	6909859.8	-31.9	00025N	-7.6	99	57240.65	3.56	710	133411	387662.738	6909860.36	24.8
L25	58425.14	-29.4	58448.5648	73	91	387670.77	6909867.69	-29.4	00025N	-7.6	99	57261.77	3.6	720	133348	387668.955	6909868.943	24.8
L25	58577.3	-28.2	58600.7248	29	49	387677.541	6909875.84	-28.2	00025N	-8.4	99	57413.81	3.57	730	133326	387675.82	6909877.455	24.8
L25	58434.12	-30	58457.5448	15	57	387683.416	6909882.9	-30	00025N	-8.7	99	57270.42	3.66	740	133305	387681.3083	6909885.193	24.8
L25	58392.04	-28.5	58415.4648	28	53	387689.522	6909890.25	-28.5	00025N	-8.5	99	57228.36	3.74	750	133242	387687.434	6909892.921	24.8
L25	58360.81	-28.8	58384.2348	19	53	387696.344	6909898.45	-28.8	00025N	-9.4	99	57197.09	3.51	760	133218	387691.418	6909903.193	24.8
L25	58350.46	-29	58373.8848	22	56	387703.819	6909907.44	-29	00025N	-9.7	99	57186.62	3.73	770	133155	387702.4913	6909907.997	24.8
L25	58331.42	-29.5	58354.8448	17	57	387710.485	6909915.46	-29.5	00025N	-11.3	99	57167.32	3.69	780	133124	387709.988	6909915.724	24.8
L25	58312.29	-28.4	58335.7148	14	60	387716.67	6909922.9	-28.4	00025N	-9.9	99	57148.23	3.83	790	133103	387715.2513	6909924.213	24.8
L25	58288.53	-24.9	58311.9548	23	61	387723.321	6909930.9	-24.9	00025N	-8	99	57124.55	4.07	800	133035	387721.6917	6909932.809	24.8
L25	58269.28	-19.7	58292.7048	11	64	387728.802	6909937.49	-19.7	00025N	-4.6	99	57105.42	4.02	810	133012	387729.808	6909936.338	24.8
L25	58287.41	-16.6	58310.8348	6	64	387734.936	6909944.87	-16.6	00025N	-3.8	99	57123.73	3.99	820	132946	387736.3263	6909943.798	24.8
L25	58374.04	-14.3	58397.4648	-18	62	387741.614	6909952.9	-14.3	00025N	-3.2	99	57210.7	3.99	830	132910	387742.7033	6909952.496	24.8
L25	58329.91	-15.4	58353.3348	11	124	387747.691	6909960.21	-15.4	00025N	-4.2	99	57165.71	3.84	840	132715	387745.8533	6909961.79	24.8
L25	58267.79	-15.2	58291.2148	27	121	387753.781	6909967.53	-15.2	00025N	-6	99	57103.5	3.82	850	132654	387751.522	6909969.827	24.8
L25	58256.84	-17.3	58280.2648	19	119			-17.3	00025N	-9.7	99	57092.52	3.72	860	132620	387759.264	6909974.118	24.8
L26	58419.56	8.1	58442.9848	-9	113	387287.35	6909249.47	8.1	00026N	6.8	99	57263.08	3.5	0	122260	387287.3504	6909249.47	24.8
L26	58401.52	7.1	58424.9448	-14	117	387294.699	6909258.32	7.1	00026N	4.4	99	57245.2	3.64	10	122333	387293.357	6909259.74	24.8
L26	58492.72	8.4	58516.1448	63	101	387300.544	6909265.36	8.4	00026N	6.7	99	57336.6	3.69	20	122410	387300.8757	6909265.488	24.8
L26	58375.23	7.2	58398.6548	71	96	387307.688	6909273.96	7.2	00026N	6.8	99	57218.97	3.69	30	122437	387308.6503	6909274.051	24.8
L26	58404.37	7	58427.7948	59	102	387313.556	6909281.03	7	00026N	7.8	99	57247.98	3.65	40	122502	387314.968	6909281.144	24.8
L26	58357.07	7.7	58380.4948	42	106	387321.532	6909290.64	7.7	00026N	8.4	99	57200.46	3.52	50	122532	387316.5513	6909293.961	24.8
L26	58353.32	6.9	58376.7448	68	94	387327.21	6909297.47	6.9	00026N	8.6	99	57196.75	3.59	60	122557	387324.856	6909297.904	24.8
L26	58400.14	5.1	58423.5648	67	90	387334.063	6909305.73	5.1	00026N	7.3	99	57243.68	3.47	70	122632	387334.486	6909303.412	24.8
L26	58373.91	2.8	58397.3348	46	99	387340.278	6909313.21	2.8	00026N	3.6	99	57217.58	3.37	80	122704	387340.54	6909311.45	24.8
L26	58376.29	1.1	58399.7148	27	107	387345.575	6909319.59	1.1	00026N	0	99	57220.07	3.42	90	122747	387345.816	6909318.211	24.8
L26	58319.41	0	58342.8348	37	109	387352.415	6909327.83	0	00026N	-2.4	99	57163.19	3.55	100	122836	387354.8467	6909324.619	24.8
L26	58336.6	1.4	58360.0248	34	109	387361.009	6909338.18	1.4	00026N	-2.1	99	57180.31	3.54	110	122914	387358.8293	6909337.951	24.8
L26	58338.95	2.5	58362.3748	7	115	387365.953	6909344.13	2.5	00026N	-3.2	99	57182.59	3.57	120	122941	387365.44	6909342.463	24.8
L26	58365.1	2.7	58388.5248	-30	111	387372.239	6909351.7	2.7	00026N	-4.1	99	57208.74	3.57	130	123012	387370.5833	6909351.245	24.8
L26	58405.02	0.6	58428.4448	88	84	387378.452	6909359.18	0.6	00026N	-3.9	99	57248.59	3.75	140	123105	387375.064	6909360.252	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L26	58394.26	1.9	58417.6848	-26	112	387383.925	6909365.77	1.9	00026N	-7.4	99	57237.82	3.55	150	123141	387381.452	6909366.392	24.8
L26	58397.24	2.1	58420.6648	4	116	387392.68	6909376.32	2.1	00026N	-5.8	99	57240.83	3.58	160	123224	387391.4633	6909376.427	24.8
L26	58412.14	2.3	58435.5648	-13	118	387398.449	6909383.27	2.3	00026N	-6	99	57255.73	3.66	170	123250	387397.2633	6909383.747	24.8
L26	58403.24	2.3	58426.6648	-71	104	387404.073	6909390.04	2.3	00026N	-5	99	57246.93	3.9	180	123319	387402.476	6909391.213	24.8
L26	58406.52	3	58429.9448	-2	120	387411.491	6909398.97	3	00026N	-3.8	99	57250.28	3.7	190	123353	387407.112	6909402.292	24.8
L26	58419.81	4.3	58443.2348	-36	115	387416.929	6909405.52	4.3	00026N	-2.2	99	57263.65	3.72	200	123425	387414.235	6909407.466	24.8
L26	58423.42	2.1	58446.8448	23	116	387423.461	6909413.39	2.1	00026N	-1.9	99	57267.16	3.64	210	123449	387420.7413	6909415.804	24.8
L26	58419.79	2.2	58443.2148	26	113	387428.578	6909419.55	2.2	00026N	-1.7	99	57263.57	3.57	220	123518	387427.081	6909421.136	24.8
L26	58426.58	0.7	58450.0048	16	113	387436.024	6909428.52	0.7	00026N	-3.1	99	57270.36	3.52	230	123549	387434.5857	6909430.571	24.8
L26	58420.7	0.1	58444.1248	-1	114	387442.376	6909436.17	0.1	00026N	-4.6	99	57264.43	3.51	240	123613	387439.374	6909439.671	24.8
L26	58414.47	-1.1	58437.8948	42	109	387448.529	6909443.58	-1.1	00026N	-2.3	99	57258.2	3.62	250	123640	387447.81	6909444.97	24.8
L26	58406.7	0	58430.1248	58	110	387454.997	6909451.37	0	00026N	-2.2	99	57250.43	3.86	260	123710	387455.107	6909452.48	24.8
L26	58433.45	0.3	58456.8748	-4	123	387461.741	6909459.49	0.3	00026N	-0.4	99	57277.21	3.78	270	123738	387463.298	6909459.7	24.8
L26	58423.82	0	58447.2448	19	60	387468.039	6909467.07	0	00026N	-0.8	99	57267.65	3.9	280	123804	387467.8987	6909468.8	24.8
L26	58435.55	3	58458.9748	16	61	387472.924	6909472.96	3	00026N	3.8	99	57279.34	3.91	290	123833	387474.6613	6909472.901	24.8
L26	58429.78	6.3	58453.2048	-9	61	387479.291	6909480.62	6.3	00026N	3.1	99	57273.6	3.84	300	123859	387477.76	6909482.733	24.8
L26	58412.45	5.3	58435.8748	19	59	387486.078	6909488.8	5.3	00026N	4.6	99	57256.28	3.82	310	123930	387485.9407	6909490.07	24.8
L26	58395.63	6.7	58419.0548	-3	60	387492.739	6909496.82	6.7	00026N	5.2	99	57239.43	3.7	320	123957	387493.6113	6909497.649	24.8
L26	58392.6	7.6	58416.0248	-18	60	387497.675	6909502.76	7.6	00026N	6.2	99	57236.33	3.87	330	124024	387498.918	6909503.624	24.8
L26	58373.37	7.4	58396.7948	6	60	387504.914	6909511.48	7.4	00026N	7.5	99	57217.07	3.74	340	124049	387506.192	6909512.814	24.8
L26	58372.18	9.5	58395.6048	22	57	387511.47	6909519.38	9.5	00026N	9.7	99	57215.87	3.79	350	124115	387514.32	6909519.64	24.8
L26	58370.78	12.2	58394.2048	13	58	387517.356	6909526.46	12.2	00026N	14.2	99	57214.35	3.66	360	124136	387520.0133	6909527.281	24.8
L26	58365.32	13.5	58388.7448	19	51	387523.528	6909533.9	13.5	00026N	20.5	99	57208.87	3.38	370	124209	387525.636	6909535.543	24.8
L26	58363.68	13.2	58387.1048	14	53	387530.486	6909542.28	13.2	00026N	20.5	99	57207.11	3.39	380	124233	387532.612	6909544.388	24.8
L26	58348.42	11.2	58371.8448	9	52	387536.043	6909548.97	11.2	00026N	17.9	99	57191.74	3.29	390	124258	387539.332	6909550.371	24.8
L26	58309.4	9.1	58332.8248	25	48	387540.871	6909554.78	9.1	00026N	19	99	57152.61	3.36	400	124325	387544.4083	6909556.313	24.8
L26	58289.66	7.3	58313.0848	49	93	387548.338	6909563.78	7.3	00026N	18	99	57132.72	3.24	410	124354	387552.572	6909565.23	24.8
L26	58293.88	5.9	58317.3048	36	99	387554.511	6909571.21	5.9	00026N	17.8	99	57136.72	3.26	420	124426	387559.097	6909572.8	24.8
L26	58265.45	6.6	58288.8748	31	98	387560.246	6909578.12	6.6	00026N	16.3	99	57108.04	3.17	430	124455	387564.922	6909580.03	24.8
L26	58247.29	5.9	58270.7148	38	97	387567.442	6909586.78	5.9	00026N	16.9	99	57089.59	3.22	440	124529	387570.75	6909590.119	24.8
L26	58246.5	6.8	58269.9248	30	101	387573.101	6909593.6	6.8	00026N	15.3	99	57088.71	3.24	450	124554	387575.008	6909598.231	24.8
L26	58242.92	8.7	58266.3448	47	97	387579.298	6909601.06	8.7	00026N	19.2	99	57085.05	3.32	460	124624	387581.996	6909605.431	24.8
L26	58218.41	13.9	58241.8348	65	86	387586.149	6909609.31	13.9	00026N	22.4	99	57060.41	3.34	470	124651	387589.4733	6909613.623	24.8
L26	58215.61	19.1	58239.0348	40	94	387591.16	6909615.35	19.1	00026N	27.7	99	57057.55	3.14	480	124719	387594.8587	6909619.691	24.8
L26	58209.73	23.5	58233.1548	21	90	387597.916	6909623.48	23.5	00026N	31.9	99	57051.5	2.86	490	124751	387603.135	6909626.843	24.8
L26	58197.36	19.5	58220.7848	41	77	387604.629	6909631.57	19.5	00026N	34.5	99	57038.93	2.69	500	124821	387607.2447	6909636.903	24.8
L26	58194.5	6	58217.9248	11	81	387612.322	6909640.83	6	00026N	26	99	57035.97	2.52	510	124856	387617.9157	6909643.329	24.8
L26	58169.19	0	58192.6148	20	80	387618.752	6909648.57	0	00026N	19.1	99	57010.65	2.54	520	124934	387622.952	6909652.438	24.8
L26	58154.05	-5.7	58177.4748	10	79	387624.338	6909655.3	-5.7	00026N	15.7	99	56995.45	2.47	530	125003	387629.46	6909658.72	24.8
L26	58166.53	-10	58189.9548	4	82	387630.768	6909663.04	-10	00026N	9.1	99	57007.99	2.54	540	125025	387635.3113	6909667.328	24.8
L26	58128.18	-14.4	58151.6048	31	80	387636.961	6909670.5	-14.4	00026N	8.4	99	56969.61	2.66	550	125054	387641.346	6909675.337	24.8
L26	58138.94	-16.7	58162.3648	15	86	387642.431	6909677.09	-16.7	00026N	6.9	99	56980.27	2.69	560	125133	387648.608	6909680.404	24.8
L26	58194.71	-18.8	58218.1348	10	86	387650.998	6909687.41	-18.8	00026N	3	99	57035.41	2.67	570	125424	387652.714	6909693.653	24.8
L26	58189.16	-20.2	58212.5848	-13	88	387656.885	6909694.5	-20.2	00026N	2	99	57029.71	2.75	580	125511	387661.511	6909697.322	24.8
L26	58231.65	-23.3	58255.0748	-1	89	387663.402	6909702.35	-23.3	00026N	-1	99	57072.31	2.75	590	125552	387666.937	6909706.37	24.8
L26	58287.79	-27.4	58311.2148	33	84	387670.765	6909711.21	-27.4	00026N	-4	99	57128.29	2.79	600	125631	387674.7747	6909715.353	24.8
L26	58306.3	-30.6	58329.7248	31	86	387675.887	6909717.38	-30.6	00026N	-7	99	57146.82	2.83	610	125703	387679.18	6909722.378	24.8
L26	58335.17	-32.4	58358.5948	-7	93	387684.65	6909727.93	-32.4	00026N	-9.5	99	57175.87	2.87	620	125819	387684.2067	6909735.645	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L26	58382.49	-33	58405.9148	49	86	387690.5	6909734.98	-33	00026N	-10.7	99	57223.05	3.06	630	125907	387692.3773	6909740.434	24.8
L26	58571.1	-35	58594.5248	23	99	387694.069	6909739.28	-35	00026N	-10.8	99	57411.72	3.14	640	130208	387694.8967	6909745.635	24.8
L26	58495.95	-34.8	58519.3748	22	103	387701.418	6909748.13	-34.8	00026N	-12.3	99	57336.55	3.24	650	130309	387706.778	6909746.268	24.8
L26	58495.91	-33.1	58519.3348	-11	109	387710.506	6909759.07	-33.1	00026N	-13	99	57336.49	3.38	660	130417	387716.53	6909757.286	24.8
L26	58451.73	-29.3	58475.1548	-17	113	387718.991	6909769.29	-29.3	00026N	-8.9	99	57292.17	3.52	670	130507	387716.0057	6909771.012	24.8
L26	58424.99	-26.9	58448.4148	18	109	387726.901	6909778.82	-26.9	00026N	-7.9	99	57265.43	3.42	680	130545	387724.578	6909780.527	24.8
L26	58411.07	-25.6	58434.4948	-4	112	387730.491	6909783.14	-25.6	00026N	-7.7	99	57251.38	3.45	690	130624	387728.6433	6909784.68	24.8
L26	58381.91	-24.9	58405.3348	51	103	387736.675	6909790.59	-24.9	00026N	-8.4	99	57221.99	3.54	700	130713	387736.655	6909790.685	24.8
L26	58380.79	-25.5	58404.2148	46	103	387741.503	6909796.4	-25.5	00026N	-9.6	99	57220.78	3.5	710	130745	387740.5607	6909797.457	24.8
L26	58403.63	-24.7	58427.0548	15	113	387749.348	6909805.85	-24.7	00026N	-10.3	99	57243.54	3.53	720	130822	387746.018	6909808.925	24.8
L26	58439.4	-22.8	58462.8248	71	93	387754.859	6909812.49	-22.8	00026N	-9.4	99	57279.24	3.61	730	130849	387753.0533	6909814.413	24.8
L26	58408.2	-23	58431.6248	0	113	387762.523	6909821.72	-23	00026N	-11.7	99	57247.75	3.47	740	130941	387763.1053	6909821.687	24.8
L26	58418.87	-23.2	58442.2948	-36	112	387769.423	6909830.03	-23.2	00026N	-12	99	57258.4	3.64	750	131011	387767.7487	6909831.848	24.8
L26	58399.13	-24.3	58422.5548	6	115	387774.376	6909835.99	-24.3	00026N	-13.1	99	57238.35	3.56	760	131048	387773.986	6909836.888	24.8
L26	58388.06	-24.2	58411.4848	38	113	387780.177	6909842.98	-24.2	00026N	-11.1	99	57227.14	3.67	770	131119	387778.65	6909845.04	24.8
L26	58406.41	-22.7	58429.8348	-38	116	387786.011	6909850	-22.7	00026N	-10.8	99	57245.01	3.77	780	131204	387786.0607	6909850.896	24.8
L26	58408.14	-22.5	58431.5648	60	106	387793.053	6909858.48	-22.5	00026N	-10.6	99	57246.61	3.76	790	131238	387790.7683	6909861.279	24.8
L26	58382.56	-21.1	58405.9848	-8	120	387799.314	6909866.02	-21.1	00026N	-10.1	99	57220.75	3.72	800	131325	387800.3927	6909864.461	24.8
L26	58383.96	-21.1	58407.3848	-12	118	387808.577	6909877.18	-21.1	00026N	-10.2	99	57222.12	3.67	810	131408	387804.7133	6909878.822	24.8
L26	58361.08	-21.4	58384.5048	59	107	387813.155	6909882.69	-21.4	00026N	-9.9	99	57199.03	3.77	820	131437	387810.3947	6909883.583	24.8
L26	58286.84	-21.4	58310.2648	65	106	387819.72	6909890.6	-21.4	00026N	-9.3	99	57124.69	3.86	830	131509	387817.257	6909891.699	24.8
L26	58230.99	-20.2	58254.4148	50	115	387826.388	6909898.63	-20.2	00026N	-10.3	99	57068.43	3.87	840	131542	387824.254	6909899.919	24.8
L26	58246.57	-20.3	58269.9948	39	119	387831.894	6909905.26	-20.3	00026N	-8.4	99	57083.72	3.87	850	131621	387831.3787	6909905.277	24.8
L26	58384.11	-18.2	58407.5348	47	114			-18.2	00026N	-5.9	99	57221.16	3.8	860	131703	387837.8873	6909912.483	24.8
L27	58344.05	7	58367.4748	103	79	387367.02	6909186.88	7	00027N	5.3	99	57187.92	4	0	121434	387367.0153	6909186.882	24.8
L27	58344.47	8.5	58367.8948	25	117	387372.226	6909193.17	8.5	00027N	7	99	57188.31	3.69	10	121405	387373.197	6909192.586	24.8
L27	58375.97	9.7	58399.3948	109	69	387380.018	6909202.59	9.7	00027N	4.4	99	57219.89	3.99	20	121320	387379.777	6909203.318	24.8
L27	58397.35	8.5	58420.7748	62	104	387384.92	6909208.51	8.5	00027N	5	99	57241.33	3.74	30	121251	387382.8407	6909210.621	24.8
L27	58396.69	7.5	58420.1148	68	98	387392	6909217.07	7.5	00027N	4.1	99	57240.67	3.68	40	121216	387391.0127	6909218.625	24.8
L27	58383.34	4.4	58406.7648	21	114	387397.448	6909223.65	4.4	00027N	1.6	99	57227.31	3.57	50	121149	387396.5413	6909225.473	24.8
L27	58405.24	2.9	58428.6648	81	86	387403.199	6909230.6	2.9	00027N	-0.8	99	57249.15	3.66	60	121127	387400.1867	6909234.02	24.8
L27	58374.32	1.7	58397.7448	91	83	387409.118	6909237.75	1.7	00027N	-2.3	99	57218.27	3.82	70	121107	387408.52	6909238.71	24.8
L27	58356.96	2.9	58380.3848	90	90	387416.97	6909247.24	2.9	00027N	-1.6	99	57200.86	3.92	80	121040	387419.5793	6909244.925	24.8
L27	58471.61	3.4	58495.0348	82	90	387423.923	6909255.65	3.4	00027N	0.6	99	57315.48	3.76	90	120955	387424.61	6909254.97	24.8
L27	58510.65	0.9	58534.0748	105	71	387429.334	6909262.18	0.9	00027N	-0.5	99	57354.56	3.93	100	120924	387433.2947	6909255.96	24.8
L27	58378.93	-0.1	58402.3548	42	111	387437.664	6909272.25	-0.1	00027N	-3	99	57222.97	3.68	110	120855	387438.2127	6909268.487	24.8
L27	58338.08	-0.5	58361.5048	42	108	387444.97	6909281.08	-0.5	00027N	-4.5	99	57182.08	3.59	120	120824	387443.0927	6909279.235	24.8
L27	58346.67	-2.1	58370.0948	19	114	387450.339	6909287.57	-2.1	00027N	-4.4	99	57190.67	3.57	130	120750	387446.882	6909287.038	24.8
L27	58341.47	-2.4	58364.8948	55	105	387457.329	6909296.02	-2.4	00027N	-5.8	99	57185.57	3.67	140	120721	387454.3707	6909295.491	24.8
L27	58351.72	-1.8	58375.1448	58	106	387463.542	6909303.52	-1.8	00027N	-5	99	57195.89	3.72	150	120638	387459.749	6909303.967	24.8
L27	58340.9	-3	58364.3248	77	97	387470.562	6909312.01	-3	00027N	-6.2	99	57185.09	3.82	160	120608	387468.205	6909311.524	24.8
L27	58340.34	-2.1	58363.7648	64	107	387476.119	6909318.72	-2.1	00027N	-6.5	99	57184.64	3.85	170	120537	387474.1547	6909318.247	24.8
L27	58346.9	-0.6	58370.3248	40	119	387481.878	6909325.68	-0.6	00027N	-4.9	99	57191.3	3.88	180	120512	387479.604	6909325.79	24.8
L27	58347.15	1.6	58370.5748	87	101	387488.145	6909333.26	1.6	00027N	-1.1	99	57191.65	4.12	190	120441	387487.38	6909332.273	24.8
L27	58397.68	4.9	58421.1048	63	114	387494.907	6909341.43	4.9	00027N	2.2	99	57242.17	4.01	200	120413	387494.596	6909340.475	24.8
L27	58397.21	4.4	58420.6348	51	115	387500.416	6909348.09	4.4	00027N	1.3	99	57241.83	3.88	210	120336	387498.062	6909348.674	24.8
L27	58369.74	3.5	58393.1648	80	102	387507.651	6909356.83	3.5	00027N	0	99	57214.53	4	220	120309	387506.0877	6909357.171	24.8
L27	58351.91	2.8	58375.3348	68	109	387514.181	6909364.72	2.8	00027N	-1.5	99	57196.73	3.97	230	120243	387515.638	6909361.654	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L27	58334.9	2.8	58358.3248	41	121	387520.379	6909372.21	2.8	00027N	-2	99	57179.83	3.95	240	120215	387518.287	6909371.312	24.8
L27	58345.99	3.3	58369.4148	39	121	387526.448	6909379.54	3.3	00027N	-0.9	99	57190.92	3.91	250	120146	387524.5413	6909378.863	24.8
L27	58353.58	6	58377.0048	89	104	387532.098	6909386.37	6	00027N	-1.2	99	57198.72	4.22	260	120122	387529.4847	6909386.536	24.8
L27	58369.91	7.2	58393.3348	85	109	387538.378	6909393.96	7.2	00027N	0.4	99	57215.12	4.27	270	120054	387534.74	6909395.215	24.8
L27	58382.17	10.2	58405.5948	66	119	387544.712	6909401.62	10.2	00027N	3.4	99	57227.49	4.2	280	120024	387541.979	6909402.449	24.8
L27	58416.3	14.1	58439.7248	70	117	387552.059	6909410.49	14.1	00027N	7.4	99	57261.68	4.2	290	115959	387548.6	6909412.3	24.8
L27	58446.65	21.3	58470.0748	55	117	387558.474	6909418.25	21.3	00027N	13.7	99	57292.14	3.99	300	115926	387557.4517	6909417.693	24.8
L27	58442.74	22.1	58466.1648	74	107	387564.546	6909425.58	22.1	00027N	15.5	99	57288.2	4.02	310	115857	387563.404	6909425.49	24.8
L27	58462.33	23.4	58485.7548	73	106	387570.913	6909433.28	23.4	00027N	17.6	99	57307.89	3.97	320	115824	387569.046	6909434.091	24.8
L27	58489.11	23.9	58512.5348	63	104	387577.786	6909441.58	23.9	00027N	18	99	57334.74	3.75	330	115747	387577.275	6909441.547	24.8
L27	58457.48	23.4	58480.9048	6	115	387582.469	6909447.24	23.4	00027N	17.8	99	57303.21	3.57	340	115656	387582.864	6909446.648	24.8
L27	58496.83	22.5	58520.2548	33	113	387589.518	6909455.76	22.5	00027N	15	99	57342.65	3.63	350	115607	387588.3407	6909456.632	24.8
L27	58408.4	20.4	58431.8248	30	111	387596.661	6909464.39	20.4	00027N	13.9	99	57254.34	3.57	360	115521	387593.4253	6909466.992	24.8
L27	58368.95	20.6	58392.3748	39	105	387604.321	6909473.65	20.6	00027N	15.6	99	57214.94	3.46	370	115358	387604.289	6909472.92	24.8
L27	58386.53	23.5	58409.9548	59	98	387610.183	6909480.74	23.5	00027N	15.9	99	57232.4	3.53	380	115313	387607.307	6909481.898	24.8
L27	58505.62	26.2	58529.0448	32	103	387616.598	6909488.49	26.2	00027N	21.7	99	57351.56	3.34	390	115215	387615.208	6909488.604	24.8
L27	58420.08	24.9	58443.5048	41	96	387623.599	6909496.95	24.9	00027N	18	99	57265.94	3.21	400	115107	387619.3287	6909499.137	24.8
L27	58509.25	21.7	58532.6748	22	100	387629.388	6909503.94	21.7	00027N	13.5	99	57355.18	3.15	410	115007	387627.6067	6909503.491	24.8
L27	58643.5	18.1	58666.9248	13	98	387634.44	6909510.05	18.1	00027N	12.9	99	57489.45	3.04	420	114938	387631.955	6909510.399	24.8
L27	58574.71	15.8	58598.1348	-6	104	387642.379	6909519.64	15.8	00027N	10	99	57420.69	3.22	430	114906	387641.296	6909519.19	24.8
L27	58646.86	14.1	58670.2848	-10	102	387647.548	6909525.89	14.1	00027N	10.5	99	57492.9	3.17	440	114843	387646.7053	6909525.552	24.8
L27	58727.14	13.6	58750.5648	19	98	387651.851	6909531.09	13.6	00027N	11.8	99	57573.31	3.08	450	114824	387650.4933	6909531.38	24.8
L27	58415.55	11.5	58438.9748	38	92	387660.175	6909541.15	11.5	00027N	13.2	99	57261.59	3.07	460	114755	387658.5673	6909542.135	24.8
L27	58279.17	10.5	58302.5948	31	97	387666.975	6909549.37	10.5	00027N	13	99	57125.22	3.13	470	114719	387664.3193	6909551.495	24.8
L27	58219.34	8.4	58242.7648	36	94	387673.006	6909556.66	8.4	00027N	14.9	99	57065.23	3.1	480	114650	387668.65	6909560.225	24.8
L27	58239.58	6.3	58263.0048	29	92	387680.227	6909565.38	6.3	00027N	14	99	57085.38	2.98	490	114621	387679.2963	6909564.995	24.8
L27	58261.67	4	58285.0948	19	90	387686.345	6909572.77	4	00027N	14.1	99	57107.43	2.85	500	114535	387683.3	6909574.031	24.8
L27	58326.97	0.3	58350.3948	28	88	387692.662	6909580.41	0.3	00027N	12.6	99	57172.35	2.85	510	114416	387689.74	6909581.95	24.8
L27	58290.45	-3.5	58313.8748	17	94	387699.105	6909588.19	-3.5	00027N	11.6	99	57135.96	2.94	520	114331	387697.941	6909588.36	24.8
L27	58250.34	-8.4	58273.7648	-22	92	387705.574	6909596.01	-8.4	00027N	8.3	99	57095.78	2.91	530	114247	387706.2397	6909594.714	24.8
L27	58167.82	-11.8	58191.2448	23	92	387712.539	6909604.43	-11.8	00027N	5.4	99	57013.02	2.92	540	114156	387708.798	6909605.672	24.8
L27	58183.48	-13	58206.9048	68	69	387719.012	6909612.25	-13	00027N	1.6	99	57028.42	3	550	114052	387716.079	6909613.18	24.8
L27	58240.2	-18	58263.6248	18	94	387725.26	6909619.8	-18	00027N	-3.6	99	57085.46	2.95	560	113833	387722.072	6909621.302	24.8
L27	58332.45	-17.5	58355.8748	41	83	387730.174	6909625.74	-17.5	00027N	-8	99	57177.67	2.87	570	113801	387727.2206	6909627.345	24.8
L27	58593.33	-16.1	58616.7548	39	96	387737.995	6909635.19	-16.1	00027N	-6.8	99	57438.66	3.19	580	113650	387735.223	6909637.125	24.8
L27	58436.95	-6.6	58460.3748	38	100	387743.56	6909641.92	-6.6	00027N	5.5	99	57282.57	3.3	590	113609	387742.486	6909642.424	24.8
L27	58374.53	-5.8	58397.9548	47	91	387750.279	6909650.04	-5.8	00027N	5.3	99	57220.25	3.16	600	113538	387748.02	6909651.762	24.8
L27	58421.51	-9.2	58444.9348	23	98	387754.695	6909655.37	-9.2	00027N	3	99	57267.36	3.11	610	113509	387753.0067	6909656.865	24.8
L27	58421.28	-9.1	58444.7048	32	98	387761.561	6909663.67	-9.1	00027N	2.4	99	57266.96	3.19	620	113443	387756.97	6909667.226	24.8
L27	58371.66	-11.4	58395.0848	15	97	387768.191	6909671.68	-11.4	00027N	0.5	99	57217.49	3.04	630	113418	387763.69	6909675.566	24.8
L27	58389.79	-11.8	58413.2148	34	93	387774.886	6909679.77	-11.8	00027N	-3.6	99	57235.59	3.05	640	113349	387773.8467	6909679.288	24.8
L27	58440.22	-13.3	58463.6448	-12	99	387781.261	6909687.48	-13.3	00027N	-5.3	99	57286.11	3.07	650	113328	387779.7767	6909687.708	24.8
L27	58467.1	-15.8	58490.5248	-2	100	387786.557	6909693.88	-15.8	00027N	-7.4	99	57313.12	3.09	660	113305	387785.059	6909694.441	24.8
L27	58468.66	-15.8	58492.0848	9	99	387793.654	6909702.45	-15.8	00027N	-8.3	99	57314.67	3.08	670	113233	387791.204	6909704.12	24.8
L27	58456.63	-17.4	58480.0548	11	97	387800.513	6909710.74	-17.4	00027N	-11.1	99	57302.74	3.01	680	113209	387799.6807	6909711.258	24.8
L27	58472.96	-19.7	58496.3848	24	97	387807.433	6909719.11	-19.7	00027N	-13.9	99	57319.08	3.08	690	113143	387804.5817	6909721.307	24.8
L27	58423.65	-22.5	58447.0748	22	98	387813.584	6909726.54	-22.5	00027N	-16.8	99	57270.04	3.09	700	113117	387812.3817	6909727.466	24.8
L27	58472.55	-23.7	58495.9748	-16	100	387819.61	6909733.82	-23.7	00027N	-17.2	99	57319.07	3.12	710	113055	387819.308	6909734.306	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L27	58445.37	-25.1	58468.7948	-7	103	387823.558	6909738.59	-25.1	00027N	-16.9	99	57291.8	3.18	720	113026	387823.175	6909739.378	24.8
L27	58438.45	-26.1	58461.8748	-13	105	387832.797	6909749.76	-26.1	00027N	-18.5	99	57284.83	3.27	730	112933	387827.78	6909753.577	24.8
L27	58434.45	-27.2	58457.8748	-3	110	387838.908	6909757.14	-27.2	00027N	-19.5	99	57280.91	3.38	740	112904	387837.1467	6909756.698	24.8
L27	58446.54	-24.6	58469.9648	46	102	387845.9	6909765.59	-24.6	00027N	-18.4	99	57292.96	3.44	750	112824	387845.0253	6909764.795	24.8
L27	58448.51	-25.1	58471.9348	21	107	387851.788	6909772.71	-25.1	00027N	-17.9	99	57294.88	3.37	760	112752	387852.6633	6909770.463	24.8
L27	58466.59	-24.5	58490.0148	22	110	387858.915	6909781.32	-24.5	00027N	-16.6	99	57313.09	3.47	770	112711	387857.234	6909781.033	24.8
L27	58471.2	-23.2	58494.6248	21	116	387865.233	6909788.96	-23.2	00027N	-13.6	99	57317.88	3.63	780	112643	387862.055	6909790.03	24.8
L27	58468.12	-21.7	58491.5448	-1	116	387870.065	6909794.79	-21.7	00027N	-12.8	99	57314.74	3.58	790	112620	387868.3593	6909794.633	24.8
L27	58489.31	-21	58512.7348	-3	117	387878.218	6909804.65	-21	00027N	-12.7	99	57335.72	3.62	800	112547	387876.93	6909804.637	24.8
L27	58477.49	-19.7	58500.9148	29	116	387883.502	6909811.03	-19.7	00027N	-11.9	99	57324.02	3.67	810	112509	387881.1677	6909812.048	24.8
L27	58467.54	-18	58490.9648	20	117	387889.873	6909818.73	-18	00027N	-10.9	99	57314.18	3.65	820	112440	387887.371	6909820.26	24.8
L27	58467.91	-15.2	58491.3348	42	112	387897.229	6909827.62	-15.2	00027N	-8.1	99	57314.58	3.7	830	112406	387894.125	6909830.04	24.8
L27	58447.75	-13.2	58471.1748	64	107	387903.978	6909835.78	-13.2	00027N	-7.1	99	57294.35	3.86	840	112330	387903.1347	6909836.182	24.8
L27	58482.96	-11.9	58506.3848	70	104	387907.789	6909840.38	-11.9	00027N	-5.1	99	57329.34	3.87	850	112259	387906.8983	6909841.053	24.8
L27	58496.95	-10.3	58520.3748	64	102	387911.318	6909844.65	-10.3	00027N	-5.4	99	57343.28	3.72	860	112237	387911.32	6909844.654	24.8
L28	58355.82	2.6	58379.2448	0	61	387440.08	6909121.37	2.6	00028N	0.7	99	57205.83	3.81	0	102932	387440.08	6909121.366	24.8
L28	58358.76	4.1	58382.1848	-4	62	387448.866	6909131.97	4.1	00028N	0.4	99	57208.49	3.86	10	103030	387450.034	6909131.41	24.8
L28	58406.9	5.2	58430.3248	-5	62	387455.031	6909139.41	5.2	00028N	1.6	99	57256.79	3.83	20	103058	387455.5521	6909139.658	24.8
L28	58416.52	4.6	58439.9448	0	61	387461.365	6909147.06	4.6	00028N	0.6	99	57266.46	3.77	30	103127	387460.947	6909148.307	24.8
L28	58437.31	4.8	58460.7348	7	61	387468.14	6909155.23	4.8	00028N	0.1	99	57287.02	3.78	40	103150	387465.9137	6909158.015	24.8
L28	58378.14	5.1	58401.5648	2	60	387475.502	6909164.11	5.1	00028N	1.8	99	57227.55	3.73	50	103218	387476.06	6909164.135	24.8
L28	58385.69	6.8	58409.1148	9	59	387480.734	6909170.43	6.8	00028N	3.3	99	57235.15	3.67	60	103241	387482.936	6909168.996	24.8
L28	58405.43	5.1	58428.8548	1	57	387488.412	6909179.69	5.1	00028N	2.6	99	57254.8	3.55	70	103305	387488.2123	6909180.171	24.8
L28	58364.46	4.3	58387.8848	2	58	387493.636	6909186	4.3	00028N	1.1	99	57213.83	3.6	80	103335	387495.3	6909184.693	24.8
L28	58346.75	3	58370.1748	-5	58	387500.177	6909193.89	3	00028N	1.5	99	57195.94	3.59	90	103404	387501.647	6909193.093	24.8
L28	58344.5	1.4	58367.9248	1	58	387505.542	6909200.36	1.4	00028N	1.4	99	57193.52	3.57	100	103437	387504.772	6909201.143	24.8
L28	58352.66	0.7	58376.0848	-3	58	387511.77	6909207.88	0.7	00028N	1.2	99	57201.48	3.61	110	103505	387511.2953	6909208.753	24.8
L28	58349.35	-0.4	58372.7748	3	56	387519.466	6909217.17	-0.4	00028N	1	99	57198.17	3.48	120	103532	387519.0393	6909218.421	24.8
L28	58327.51	-2.2	58350.9348	15	55	387526.127	6909225.21	-2.2	00028N	-0.4	99	57176.33	3.57	130	103558	387525.1479	6909227.233	24.8
L28	58344.95	-3.6	58368.3748	6	58	387532.227	6909232.57	-3.6	00028N	-0.2	99	57193.77	3.6	140	103624	387532.6933	6909233.513	24.8
L28	58388.49	-4.5	58411.9148	1	58	387538.116	6909239.67	-4.5	00028N	-0.8	99	57237.24	3.58	150	103647	387539.3837	6909240.227	24.8
L28	58567.12	-5.3	58590.5448	9	58	387544.144	6909246.95	-5.3	00028N	-1	99	57415.77	3.64	160	103708	387546.158	6909247.173	24.8
L28	58719.53	-7.3	58742.9548	7	58	387550.652	6909254.8	-7.3	00028N	-3.6	99	57568.03	3.59	170	103732	387554.162	6909253.928	24.8
L28	58721.71	-8.8	58745.1348	-8	59	387556.498	6909261.85	-8.8	00028N	-4.2	99	57570.11	3.68	180	103758	387559.6697	6909261.559	24.8
L28	58601.95	-10.1	58625.3748	6	62	387562.719	6909269.36	-10.1	00028N	-4.5	99	57450.42	3.84	190	103823	387566.792	6909268.594	24.8
L28	58217.8	-5.9	58241.2248	-7	65	387568.869	6909276.78	-5.9	00028N	-1.3	99	57066.21	4.07	200	103845	387570.5283	6909277.761	24.8
L28	58393.81	-3.6	58417.2348	2	64	387575.236	6909284.47	-3.6	00028N	-0.2	99	57242.11	3.94	210	103909	387577.174	6909285.562	24.8
L28	58295.52	-1.1	58318.9448	9	64	387581.81	6909292.4	-1.1	00028N	1.9	99	57143.7	3.99	220	103933	387584.5113	6909293.185	24.8
L28	58363.15	0.7	58386.5748	11	63	387588.423	6909300.38	0.7	00028N	2.9	99	57211.08	3.96	230	103956	387589.689	6909302.485	24.8
L28	58594.61	2.8	58618.0348	2	65	387594.579	6909307.81	2.8	00028N	3.9	99	57442.62	4.02	240	104025	387595.064	6909310.808	24.8
L28	58831.68	3.1	58855.1048	1	63	387600.603	6909315.08	3.1	00028N	3.4	99	57679.71	3.91	250	104049	387602.129	6909317.447	24.8
L28	58738.65	2.3	58762.0748	25	61	387607.123	6909322.94	2.3	00028N	2.4	99	57586.61	4.06	260	104113	387608.9147	6909325.453	24.8
L28	58788.9	2.9	58812.3248	14	63	387612.712	6909329.69	2.9	00028N	2.1	99	57636.9	4.02	270	104136	387616.617	6909330.098	24.8
L28	58596.71	3.9	58620.1348	13	62	387620.122	6909338.63	3.9	00028N	3.6	99	57444.61	3.94	280	104204	387623.2163	6909340.034	24.8
L28	58415.66	7.9	58439.0848	0	67	387624.863	6909344.35	7.9	00028N	4.2	99	57263.56	4.12	290	104231	387629.6467	6909344.14	24.8
L28	58561.52	12.7	58584.9448	-15	64	387632.045	6909353.02	12.7	00028N	8.5	99	57409.2	4.09	300	104259	387636.2372	6909353.638	24.8
L28	58960.14	13.8	58983.5648	3	64	387639.058	6909361.48	13.8	00028N	8	99	57807.78	3.95	310	104323	387642.81	6909362.814	24.8
L28	58626.47	13	58649.8948	0	63	387645.723	6909369.52	13	00028N	7.3	99	57474.15	3.9	320	104344	387648.115	6909372.138	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L28	58473.65	15.4	58497.0748	7	62	387650.93	6909375.81	15.4	00028N	8.4	99	57321.22	3.86	330	104421	387653.906	6909378.194	24.8
L28	58473.48	19.2	58496.9048	2	61	387657.962	6909384.29	19.2	00028N	11.2	99	57321.11	3.81	340	104449	387660.93	6909387.07	24.8
L28	58382.32	20.5	58405.7448	-3	60	387664.155	6909391.76	20.5	00028N	14.4	99	57230.01	3.69	350	104511	387666.9113	6909395.043	24.8
L28	58385	19	58408.4248	9	56	387669.621	6909398.36	19	00028N	12.6	99	57232.8	3.5	360	104532	387672.9803	6909401.412	24.8
L28	58366.32	18.3	58389.7448	5	54	387676.753	6909406.97	18.3	00028N	13.6	99	57213.94	3.38	370	104556	387681.3	6909409.322	24.8
L28	58391.27	16.4	58414.6948	13	55	387682.635	6909414.07	16.4	00028N	11.1	99	57238.99	3.51	380	104627	387688.2687	6909415.731	24.8
L28	58399.05	16.6	58422.4748	-10	55	387688.619	6909421.29	16.6	00028N	10.7	99	57247.01	3.49	390	104650	387694.3303	6909423.214	24.8
L28	58394.22	15.5	58417.6448	-17	54	387693.882	6909427.64	15.5	00028N	8.7	99	57242.03	3.52	400	104713	387698.2317	6909430.733	24.8
L28	58411.09	15.5	58434.5148	-10	57	387700.758	6909435.93	15.5	00028N	9.2	99	57258.98	3.56	410	104742	387705.614	6909438.978	24.8
L28	58442.31	16.2	58465.7348	-20	53	387707.32	6909443.85	16.2	00028N	10.6	99	57290.21	3.52	420	104814	387711.4063	6909447.809	24.8
L28	58488.8	15.9	58512.2248	6	54	387712.818	6909450.49	15.9	00028N	13.8	99	57336.79	3.37	430	104839	387717.992	6909453.72	24.8
L28	58436.66	15.6	58460.0848	12	51	387720.302	6909459.52	15.6	00028N	15.2	99	57284.64	3.25	440	104904	387727.985	6909460.447	24.8
L28	58424.77	14.2	58448.1948	14	51	387726.484	6909466.98	14.2	00028N	16.4	99	57272.61	3.27	450	104931	387733.417	6909468.782	24.8
L28	58429.4	12.7	58452.8248	12	51	387731.637	6909473.2	12.7	00028N	16.1	99	57277.34	3.26	460	104954	387737.3473	6909476.085	24.8
L28	58380.3	9.6	58403.7248	22	46	387740.039	6909483.33	9.6	00028N	15.3	99	57228.32	3.19	470	105025	387747.686	6909484.802	24.8
L28	58367.26	9.1	58390.6848	3	99	387746.156	6909490.72	9.1	00028N	14.2	99	57215.42	3.06	480	105051	387751.995	6909493.655	24.8
L28	58400.25	7.3	58423.6748	31	97	387751.011	6909496.58	7.3	00028N	11.3	99	57248.38	3.15	490	105115	387755.006	6909500.866	24.8
L28	59110.95	5.4	59134.3748	44	95	387757.876	6909504.86	5.4	00028N	10.7	99	57959.14	3.24	500	105149	387763.3733	6909508.081	24.8
L28	58223.52	6.4	58246.9448	8	103	387764.278	6909512.58	6.4	00028N	12.5	99	57071.53	3.2	510	105219	387767.215	6909517.642	24.8
L28	58286.82	6.8	58310.2448	9	105	387771.102	6909520.82	6.8	00028N	13.3	99	57134.67	3.24	520	105249	387774.306	6909526.029	24.8
L28	58426.93	7.1	58450.3548	32	98	387778.398	6909529.62	7.1	00028N	13.7	99	57274.8	3.17	530	105336	387784.3033	6909532.192	24.8
L28	58723.07	9.5	58746.4948	7	103	387783.787	6909536.13	9.5	00028N	13.1	99	57571.03	3.18	540	105401	387788.557	6909539.75	24.8
L28	58711.79	13.8	58735.2148	-9	101	387789.299	6909542.78	13.8	00028N	16.8	99	57559.67	3.14	550	105433	387793.62	6909547.035	24.8
L28	58784.14	15.2	58807.5648	16	93	387795.643	6909550.43	15.2	00028N	18	99	57631.99	2.91	560	105516	387800.0613	6909554.959	24.8
L28	58106.9	13.7	58130.3248	4	95	387801.527	6909557.53	13.7	00028N	15.2	99	56954.53	2.92	570	105557	387805.205	6909562.91	24.8
L28	58340.07	10.3	58363.4948	2	91	387808.365	6909565.78	10.3	00028N	9.4	99	57187.44	2.83	580	105707	387814.679	6909568.509	24.8
L28	58384.33	5.4	58407.7548	-11	91	387814.479	6909573.16	5.4	00028N	5.1	99	57231.39	2.84	590	105801	387819.7803	6909576.924	24.8
L28	58230.16	2.7	58253.5848	-52	83	387821.802	6909582	2.7	00028N	1.8	99	57077.3	3.03	600	105832	387824.38	6909587.777	24.8
L28	58280.26	-2.1	58303.6848	-8	89	387827.657	6909589.06	-2.1	00028N	0.1	99	57127.53	2.76	610	105901	387831.3769	6909594.089	24.8
L28	58386.75	-6.8	58410.1748	16	90	387835.014	6909597.94	-6.8	00028N	-3.8	99	57233.99	2.81	620	105931	387839.9933	6909602.21	24.8
L28	58321.26	-9.5	58344.6848	-10	93	387841.799	6909606.13	-9.5	00028N	-4.8	99	57168.52	2.9	630	105959	387848.99	6909608.4	24.8
L28	58262.33	-13.6	58285.7548	-24	92	387846.951	6909612.35	-13.6	00028N	-7.2	99	57109.62	2.93	640	110031	387854.5077	6909614.591	24.8
L28	58349.61	-15.2	58373.0348	-7	93	387854.167	6909621.05	-15.2	00028N	-9.1	99	57196.64	2.89	650	110219	387859.3573	6909625.144	24.8
L28	58339.79	-17.6	58363.2148	-12	95	387860.92	6909629.2	-17.6	00028N	-12	99	57186.81	2.97	660	110309	387864.1047	6909634.922	24.8
L28	58301.88	-18.6	58325.3048	-14	96	387866.319	6909635.72	-18.6	00028N	-12.5	99	57148.97	3.01	670	110359	387869.685	6909641.582	24.8
L28	58306.15	-20.2	58329.5748	7	96	387874.136	6909645.15	-20.2	00028N	-12.5	99	57153.35	2.96	680	110447	387877.576	6909651.382	24.8
L28	58317.49	-21.4	58340.9148	30	93	387879.598	6909651.74	-21.4	00028N	-14.5	99	57164.72	3.03	690	110510	387879.5347	6909659.953	24.8
L28	58346.03	-24	58369.4548	6	97	387886.942	6909660.6	-24	00028N	-18	99	57192.99	3.01	700	110602	387891.2833	6909661.243	24.8
L28	58412.21	-24.9	58435.6348	22	100	387895.757	6909671.24	-24.9	00028N	-15.1	99	57258.91	3.17	710	110646	387898.1133	6909673.679	24.8
L28	58379.55	-23.7	58402.9748	11	103	387900.833	6909677.37	-23.7	00028N	-14.6	99	57226.38	3.21	720	110713	387899.77	6909681.68	24.8
L28	58370.56	-22.2	58393.9848	54	93	387905.969	6909683.56	-22.2	00028N	-13.5	99	57217.38	3.34	730	110751	387906.704	6909686.178	24.8
L28	58353.33	-22.9	58376.7548	-5	105	387914.419	6909693.76	-22.9	00028N	-15.3	99	57200.45	3.24	740	110901	387918.5898	6909692.789	24.8
L28	58375.19	-23.4	58398.6148	41	101	387920.514	6909701.12	-23.4	00028N	-14	99	57222.28	3.37	750	111005	387923.426	6909701.324	24.8
L28	58354.87	-23.5	58378.2948	-15	110	387927.853	6909709.97	-23.5	00028N	-16.3	99	57201.43	3.44	760	111101	387933.0592	6909708.16	24.8
L28	58332.89	-22.1	58356.3148	-16	110	387934.366	6909717.83	-22.1	00028N	-14.8	99	57179.59	3.42	770	111134	387933.6367	6909718.627	24.8
L28	58322.41	-24.1	58345.8348	32	107	387940.715	6909725.49	-24.1	00028N	-15.9	99	57169.08	3.44	780	111214	387940.856	6909725.858	24.8
L28	58329.58	-22.6	58353.0048	52	104	387947.277	6909733.41	-22.6	00028N	-14.3	99	57176.34	3.6	790	111243	387946.7267	6909734.639	24.8
L28	58379.5	-22.6	58402.9248	54	107	387953.69	6909741.15	-22.6	00028N	-12.2	99	57226.14	3.71	800	111313	387955.735	6909739.677	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L28	58371.49	-21.3	58394.9148	65	101	387959.411	6909748.05	-21.3	00028N	-9.9	99	57218.15	3.69	810	111342	387959.5753	6909748.047	24.8
L28	58345.78	-16.4	58369.2048	39	109	387965.962	6909755.96	-16.4	00028N	-6.4	99	57192.49	3.59	820	111422	387968.6613	6909753.395	24.8
L28	58340.09	-16.7	58363.5148	0	112	387973.335	6909764.86	-16.7	00028N	-6.3	99	57187.16	3.44	830	111456	387973.504	6909764.23	24.8
L28	58305.75	-16.5	58329.1748	32	108	387979.576	6909772.39	-16.5	00028N	-5.9	99	57152.84	3.46	840	111531	387981.2587	6909770.613	24.8
L28	58283.66	-17.2	58307.0848	42	104	387984.981	6909778.91	-17.2	00028N	-4.8	99	57130.5	3.47	850	111603	387986.284	6909777.714	24.8
L28	58293.58	-18.5	58317.0048	72	91			-18.5	00028N	-6.4	99	57140.2	3.59	860	111633	387990.8873	6909786.042	24.8
L29	58343.41	8.4	58351.0525	46	52	387523.32	6909069.23	8.4	00029N	-1.3	99	57187.62	4.31	10	155020	387523.32	6909069.234	24.8
L29	58351.77	10	58359.4125	127	60	387529.756	6909076.93	10	00029N	0.2	99	57196.04	4.34	20	154956	387532.0263	6909074.752	24.8
L29	58367.72	13.1	58375.3625	109	85	387535.919	6909084.3	13.1	00029N	3.9	99	57212	4.28	30	154930	387536.7407	6909083.424	24.8
L29	58358.3	13.7	58365.9425	119	63	387542.509	6909092.18	13.7	00029N	3.1	99	57202.71	4.15	40	154908	387544.9573	6909090.047	24.8
L29	58350.35	11.7	58357.9925	118	67	387548.236	6909099.03	11.7	00029N	2.8	99	57194.82	4.2	50	154844	387551.7583	6909096.202	24.8
L29	58347.84	12.3	58355.4825	77	99	387555.066	6909107.19	12.3	00029N	1.5	99	57192.14	3.88	60	154817	387558.2507	6909105.005	24.8
L29	58336.69	12.4	58344.3325	71	102	387561.479	6909114.86	12.4	00029N	2.2	99	57180.45	3.85	70	154749	387564.2487	6909113.343	24.8
L29	58348.78	9.4	58356.4225	96	83	387568.383	6909123.12	9.4	00029N	1.5	99	57192.46	3.92	80	154719	387571.1933	6909121.947	24.8
L29	58300.19	6.4	58307.8325	96	80	387574.352	6909130.26	6.4	00029N	1.3	99	57144.16	3.87	90	154656	387576.868	6909129.64	24.8
L29	58290.95	7	58298.5925	97	83	387580.245	6909137.3	7	00029N	0.1	99	57135.2	3.93	100	154634	387584.1083	6909135.693	24.8
L29	58319.94	6.5	58327.5825	95	81	387586.853	6909145.21	6.5	00029N	2.1	99	57164.25	3.86	110	154608	387590.6693	6909143.997	24.8
L29	58336.61	7.8	58344.2525	80	95	387591.752	6909151.06	7.8	00029N	2.4	99	57180.88	3.83	120	154546	387594.6747	6909150.745	24.8
L29	58326.3	3.5	58333.9425	81	90	387599.35	6909160.15	3.5	00029N	3.8	99	57170.15	3.74	130	154520	387602.2463	6909160.27	24.8
L29	58431.99	2.5	58439.6325	59	101	387605.891	6909167.97	2.5	00029N	1.7	99	57275.57	3.62	140	154458	387609.9683	6909167.35	24.8
L29	58526.02	-0.5	58533.6625	67	100	387611.677	6909174.89	-0.5	00029N	2.6	99	57369.31	3.71	150	154433	387615.1213	6909175.051	24.8
L29	58544.68	-1.8	58552.3225	106	68	387618.235	6909182.73	-1.8	00029N	0	99	57387.91	3.88	160	154409	387623.327	6909181.608	24.8
L29	58415.46	-3	58423.1025	91	86	387624.399	6909190.11	-3	00029N	-1	99	57258.44	3.87	170	154346	387629.946	6909188.931	24.8
L29	58472.75	-3.8	58480.3925	90	88	387630.291	6909197.15	-3.8	00029N	1.1	99	57315.67	3.87	180	154319	387635.2823	6909196.713	24.8
L29	58453.95	-3.5	58461.5925	89	96	387638.092	6909206.48	-3.5	00029N	-0.5	99	57297.14	4.04	190	154249	387643.168	6909206.405	24.8
L29	58548.97	-3.4	58556.6125	46	48	387644.07	6909213.63	-3.4	00029N	-0.6	99	57392.34	4.1	200	154222	387647.452	6909214.967	24.8
L29	58579.8	-3.8	58587.4425	25	58	387648.85	6909219.34	-3.8	00029N	0.6	99	57422.9	3.9	210	154200	387652.1168	6909221.036	24.8
L29	58557.08	-2.8	58564.7225	58	38	387654.76	6909226.41	-2.8	00029N	0.3	99	57399.95	4.28	220	154133	387657.025	6909229.13	24.8
L29	58385.08	-2.7	58392.7225	51	44	387662.326	6909235.46	-2.7	00029N	0.2	99	57227.5	4.21	230	153954	387667.104	6909235.857	24.8
L29	58162.11	-2.3	58169.7525	46	52	387670.073	6909244.72	-2.3	00029N	-1.4	99	57004.87	4.3	240	153924	387674.25	6909245.999	24.8
L29	58235.53	0.6	58243.1725	57	43	387674.957	6909250.56	0.6	00029N	-0.9	99	57078.3	4.43	250	153901	387678.806	6909252.356	24.8
L29	58279	2.8	58286.6425	49	54	387681.082	6909257.89	2.8	00029N	1.6	99	57121.49	4.54	260	153830	387685.732	6909259.304	24.8
L29	58343.84	7.3	58351.4825	50	51	387688.423	6909266.67	7.3	00029N	1.4	99	57185.99	4.44	270	153803	387692.1117	6909269.179	24.8
L29	58280.85	9.3	58288.4925	53	52	387694.501	6909273.94	9.3	00029N	1.8	99	57123.06	4.62	280	153739	387698.577	6909276.456	24.8
L29	58286.26	11.9	58293.9025	28	64	387700.558	6909281.18	11.9	00029N	5.6	99	57128.43	4.32	290	153704	387706.042	6909282.651	24.8
L29	58324.54	17.2	58332.1825	41	125	387706.959	6909288.83	17.2	00029N	9.1	99	57167.17	4.07	300	153633	387713.0773	6909290.108	24.8
L29	58298.19	19.7	58305.8325	71	120	387712.485	6909295.44	19.7	00029N	12	99	57140.74	4.3	310	153611	387719.024	6909296.662	24.8
L29	58300.43	22.7	58308.0725	85	108	387719.355	6909303.66	22.7	00029N	12	99	57142.87	4.24	320	153534	387723.392	6909306.761	24.8
L29	58300.27	19.9	58307.9125	112	75	387725.416	6909310.91	19.9	00029N	13.1	99	57142.88	4.17	330	153426	387729.35	6909314.423	24.8
L29	58296.77	21.1	58304.4125	96	92	387732.378	6909319.23	21.1	00029N	12.7	99	57139.5	4.1	340	153358	387737.35	6909322.19	24.8
L29	58300.19	21.1	58307.8325	71	104	387738.693	6909326.78	21.1	00029N	12.5	99	57142.7	3.88	350	153330	387742.122	6909331.108	24.8
L29	58319.26	21.7	58326.9025	52	111	387744.761	6909334.04	21.7	00029N	13	99	57160.7	3.8	360	153234	387747.0063	6909339.509	24.8
L29	58316.44	21.2	58324.0825	107	74	387752.4	6909343.17	21.2	00029N	11.2	99	57158.26	4.02	370	153204	387758.6133	6909343.377	24.8
L29	58322.02	19.7	58329.6625	112	66	387759.079	6909351.16	19.7	00029N	12.5	99	57163.73	4.02	380	153123	387763.1733	6909353.053	24.8
L29	58334.18	19.1	58341.8225	108	68	387765.211	6909358.49	19.1	00029N	13.3	99	57175.59	3.93	390	153014	387770.26	6909359.852	24.8
L29	58328.31	18.7	58335.9525	43	43	387771.802	6909366.38	18.7	00029N	15	99	57170.11	3.8	400	152929	387777.63	6909367.41	24.8
L29	58337.08	17.4	58344.7225	61	21	387777.324	6909372.98	17.4	00029N	12.5	99	57178.87	4.01	410	152841	387780.84	6909375.649	24.8
L29	58355.84	17.3	58363.4825	61	21	387784.295	6909381.32	17.3	00029N	11.6	99	57197.51	3.98	420	152706	387788.792	6909383.487	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L29	58364.05	19.5	58371.6925	122	40	387789.601	6909387.66	19.5	00029N	11.4	99	57205.79	3.98	430	152611	387795.093	6909389.188	24.8
L29	58400.4	18.2	58408.0425	96	70	387795.788	6909395.06	18.2	00029N	11.6	99	57241.12	3.67	440	152516	387801.067	6909397.094	24.8
L29	58476.69	20.6	58484.3325	111	53	387803.463	6909404.24	20.6	00029N	10.9	99	57317.06	3.81	450	152412	387808.1337	6909407.152	24.8
L29	58494.11	23.4	58501.7525	74	89	387808.39	6909410.13	23.4	00029N	15.2	99	57334.08	3.57	460	152230	387812.144	6909413.947	24.8
L29	58327.48	24.9	58335.1225	89	71	387815.998	6909419.23	24.9	00029N	17	99	57167.2	3.52	470	152135	387819.606	6909423.58	24.8
L29	58342	26.1	58349.6425	80	74	387821.764	6909426.12	26.1	00029N	18.1	99	57181.35	3.38	480	152024	387826.595	6909429.615	24.8
L29	58379.71	25.8	58387.3525	75	73	387828.613	6909434.31	25.8	00029N	18.8	99	57219.03	3.24	490	151932	387832.175	6909439.058	24.8
L29	58429.84	27.5	58437.4825	53	84	387833.572	6909440.24	27.5	00029N	15.3	99	57269.07	3.07	500	151838	387839.642	6909436.352	24.8
L29	58556.7	24.4	58564.3425	88	56	387841.027	6909449.16	24.4	00029N	15.8	99	57395.41	3.22	510	151755	387841.83	6909448.09	24.8
L29	58240.54	20.9	58248.1825	81	55	387851.995	6909462.27	20.9	00029N	8.5	99	57078.57	3.02	520	151524	387850.6607	6909463.275	24.8
L29	58570.56	16.8	58578.2025	26	82	387857.411	6909468.75	16.8	00029N	-2.8	99	57408.56	2.66	530	151422	387858.8107	6909466.243	24.8
L29	58509.51	12.4	58517.1525	52	78	387865.038	6909477.87	12.4	00029N	1.8	99	57347.54	2.9	540	151351	387865.115	6909476.705	24.8
L29	58617.25	7.3	58624.8925	80	59	387871.249	6909485.3	7.3	00029N	-0.4	99	57455.46	3.07	550	151316	387870.9073	6909484.793	24.8
L29	58696.1	4.1	58703.7425	97	42	387875.503	6909490.39	4.1	00029N	-3.2	99	57534.1	3.26	560	151249	387876.6747	6909488.419	24.8
L29	58757.79	0.8	58765.4325	79	66	387883.325	6909499.74	0.8	00029N	-3.3	99	57595.86	3.19	570	151222	387881.852	6909499.827	24.8
L29	58665.88	-1	58673.5225	62	80	387890.159	6909507.91	-1	00029N	-5.8	99	57503.94	3.13	580	151146	387891.5167	6909504.962	24.8
L29	58742.32	-3.6	58749.9625	60	84	387896.181	6909515.11	-3.6	00029N	-6.2	99	57580.63	3.17	590	151106	387897.3833	6909512.618	24.8
L29	58746	-4.7	58753.6425	101	46	387902.02	6909522.1	-4.7	00029N	-4	99	57584.04	3.42	600	151031	387903.9693	6909519.255	24.8
L29	59116.28	-2.9	59123.9225	77	75	387909.188	6909530.67	-2.9	00029N	-2.6	99	57954.05	3.32	610	150959	387908.7402	6909529.697	24.8
L29	58930.73	-4	58938.3725	89	64	387913.807	6909536.19	-4	00029N	0	99	57768.26	3.39	620	150915	387914.808	6909533.93	24.8
L29	58663.94	-5.1	58671.5825	31	94	387921.407	6909545.28	-5.1	00029N	1.3	99	57501.36	3.06	630	150844	387922.0447	6909543.715	24.8
L29	58721.24	-6.3	58728.8825	43	91	387927.909	6909553.06	-6.3	00029N	0.9	99	57558.55	3.12	640	150821	387928.232	6909552.092	24.8
L29	58820.13	-7.5	58827.7725	61	83	387935.672	6909562.34	-7.5	00029N	0	99	57657.27	3.19	650	150750	387935.0293	6909562.503	24.8
L29	58554.48	-10.8	58562.1225	51	88	387942.855	6909570.93	-10.8	00029N	-1.5	99	57391.15	3.14	660	150705	387944.2883	6909569.33	24.8
L29	58407.04	-13.2	58414.6825	44	91	387947.752	6909576.78	-13.2	00029N	-1.6	99	57243.45	3.12	670	150552	387946.834	6909576.748	24.8
L29	58151.87	-12.1	58159.5125	83	72	387954.543	6909584.91	-12.1	00029N	-3.3	99	56988.68	3.4	680	150519	387953.25	6909585.53	24.8
L29	58236.58	-12.9	58244.2225	32	91	387961.817	6909593.6	-12.9	00029N	-5.7	99	57073.22	2.99	690	150443	387961.635	6909593.617	24.8
L29	58262.3	-13.3	58269.9425	82	71	387966.193	6909598.84	-13.3	00029N	-4	99	57098.72	3.34	700	150414	387966.263	6909598.88	24.8
L29	58264.85	-14.4	58272.4925	72	73	387972.085	6909605.88	-14.4	00029N	-7.9	99	57101.43	3.17	710	150348	387972.6153	6909605.859	24.8
L29	58233.6	-21.1	58241.2425	43	87	387980.109	6909615.48	-21.1	00029N	-16.7	99	57070.41	3	720	150216	387982.1407	6909614.485	24.8
L29	58241.64	-21.4	58249.2825	33	87	387985.397	6909621.8	-21.4	00029N	-21.3	99	57078.54	2.89	730	150143	387984.662	6909622.57	24.8
L29	58250.91	-22.1	58258.5525	56	81	387991.132	6909628.66	-22.1	00029N	-18.6	99	57087.57	3.04	740	150120	387992.085	6909627.978	24.8
L29	58281.83	-23.3	58289.4725	83	72	387999.629	6909638.82	-23.3	00029N	-16.9	99	57118.34	3.4	750	150050	387999.885	6909639.13	24.8
L29	58295.63	-24.4	58303.2725	74	79	388005.467	6909645.8	-24.4	00029N	-16.9	99	57131.82	3.35	760	150022	388002.348	6909648.149	24.8
L29	58278.76	-22.5	58286.4025	105	48	388012.854	6909654.64	-22.5	00029N	-16.2	99	57115.1	3.55	770	145949	388012.24	6909654.638	24.8
L29	58268.46	-23.3	58276.1025	89	77	388019.324	6909662.37	-23.3	00029N	-15.5	99	57105.06	3.62	780	145921	388018.4	6909662.97	24.8
L29	58265.5	-22.6	58273.1425	91	73	388025.184	6909669.38	-22.6	00029N	-14.9	99	57102.39	3.62	790	145854	388024.914	6909669.727	24.8
L29	58270.77	-22.2	58278.4125	93	68	388030.743	6909676.03	-22.2	00029N	-16.1	99	57107.46	3.57	800	145826	388031.697	6909675.495	24.8
L29	58282.39	-22.3	58290.0325	70	92	388038.624	6909685.45	-22.3	00029N	-13.4	99	57118.7	3.57	810	145749	388036.602	6909687.125	24.8
L29	58283.73	-21.2	58291.3725	30	47	388043.686	6909691.51	-21.2	00029N	-12.6	99	57119.11	3.47	820	145622	388043.28	6909691.72	24.8
L29	58295.64	-20.6	58303.2825	124	29	388050.272	6909699.38	-20.6	00029N	-9.9	99	57130.96	3.93	830	145550	388048.015	6909701.145	24.8
L29	58293.38	-20.1	58301.0225	121	32	388055.72	6909705.9	-20.1	00029N	-10.1	99	57128.75	3.88	840	145524	388054.0793	6909707.419	24.8
L29	58313.07	-21	58320.7125	107	63	388062.205	6909713.65	-21	00029N	-10.3	99	57148.38	3.83	850	145458	388059.667	6909716.173	24.8
L29	58291.7	-21.8	58299.3425	105	66			-21.8	00029N	-8.7	99	57126.94	3.83	860	145421	388068.9573	6909721.726	24.8
L3	58015.81	-7.1	58038.9205	11	59	385510.15	6910711.21	-7.1	00003N	-3.4	99	56859.5	3.71	0	105839	385510.154	6910711.21	24.8
L3	58056.66	-6	58079.7705	32	52	385518.337	6910721.13	-6	00003N	-2.3	99	56900.19	3.8	10	105926	385519.578	6910720.493	24.8
L3	58011.87	-5.3	58034.9805	23	55	385523.886	6910727.85	-5.3	00003N	-2.8	99	56855.3	3.67	20	105945	385524.8033	6910727.777	24.8
L3	57995.46	-4.2	58018.5704	13	57	385530.209	6910735.51	-4.2	00003N	-1.8	99	56838.85	3.64	30	110004	385531.035	6910735.873	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L3	58053.09	-4.4	58076.2005	20	56	385535.942	6910742.45	-4.4	00003N	-1.2	99	56896.48	3.66	40	110024	385536.1667	6910743.583	24.8
L3	58125.35	-5.4	58148.4605	15	57	385541.924	6910749.7	-5.4	00003N	-2.2	99	56968.68	3.62	50	110043	385543.187	6910750.227	24.8
L3	58053.04	-9	58076.1505	20	55	385548.519	6910757.69	-9	00003N	-3.9	99	56896.33	3.61	60	110102	385549	6910759.157	24.8
L3	58017.6	-10.1	58040.7105	20	56	385557.079	6910768.06	-10.1	00003N	-4.7	99	56860.75	3.71	70	110120	385555.168	6910771.536	24.8
L3	58039.02	-5.3	58062.1305	4	59	385563.822	6910776.22	-5.3	00003N	-1.2	99	56882.12	3.65	80	110156	385565.848	6910773.685	24.8
L3	58079	-6.3	58102.1105	6	58	385573.067	6910787.42	-6.3	00003N	-1.1	99	56922.11	3.62	90	110219	385569.0127	6910788.282	24.8
L3	57971.82	-8.7	57994.9305	18	56	385577.449	6910792.73	-8.7	00003N	-2.8	99	56814.91	3.64	100	110236	385573.762	6910793.534	24.8
L3	57996.39	-9.4	58019.5005	17	55	385588.328	6910805.91	-9.4	00003N	-4.1	99	56839.43	3.58	110	110319	385584.228	6910807.655	24.8
L3	57935.79	-12.4	57958.9005	24	54	385594.504	6910813.39	-12.4	00003N	-5.7	99	56778.79	3.68	120	110405	385592.263	6910813.572	24.8
L3	57937.6	-13.1	57960.7105	12	58	385601.354	6910821.69	-13.1	00003N	-6.2	99	56780.63	3.66	130	110447	385602.1983	6910818.447	24.8
L3	57943.05	-12.6	57966.1605	22	57	385608.106	6910829.87	-12.6	00003N	-6.3	99	56785.98	3.78	140	110509	385606.738	6910828.368	24.8
L3	57977.25	-11.3	58000.3605	10	59	385613.906	6910836.89	-11.3	00003N	-6.9	99	56820.14	3.74	150	110544	385612.0367	6910836.097	24.8
L3	57989.39	-11.3	58012.5005	19	58	385617.977	6910841.82	-11.3	00003N	-7.4	99	56832.13	3.78	160	110644	385614.749	6910842.088	24.8
L3	58002.95	-9.9	58026.0605	19	59	385622.421	6910847.21	-9.9	00003N	-6.6	99	56845.56	3.86	170	110712	385620.1427	6910846.828	24.8
L3	57990.22	-6.8	58013.3305	29	56	385628.345	6910854.38	-6.8	00003N	-7	99	56832.71	3.93	180	110733	385626.431	6910854.044	24.8
L3	57974.03	-9.3	57997.1405	30	56	385634.314	6910861.61	-9.3	00003N	-7.1	99	56816.61	3.95	190	110801	385633.0677	6910861.04	24.8
L3	57958.86	-7.8	57981.9705	27	58	385640.37	6910868.95	-7.8	00003N	-7.7	99	56801.32	3.96	200	110822	385638.9053	6910868.894	24.8
L3	58011.82	-6.1	58034.9305	26	59	385646.374	6910876.22	-6.1	00003N	-7.3	99	56854.29	3.99	210	110845	385644.639	6910876.719	24.8
L3	58103.64	-4.3	58126.7505	32	58	385652.621	6910883.79	-4.3	00003N	-6	99	56946.11	4.09	220	110924	385650.76	6910884.743	24.8
L3	58127.16	-2.1	58150.2705	29	57	385658.955	6910891.46	-2.1	00003N	-4.9	99	56969.74	3.95	230	110953	385660.266	6910888.534	24.8
L3	58109.54	-1.8	58132.6505	34	54	385665.074	6910898.87	-1.8	00003N	-2.9	99	56952.18	3.93	240	111014	385667.952	6910894.751	24.8
L3	58068.95	0.2	58092.0605	5	59	385670.74	6910905.74	0.2	00003N	-2.6	99	56911.5	3.69	250	111039	385674.181	6910901.461	24.8
L3	57983.76	0.2	58006.8705	12	56	385678.435	6910915.06	0.2	00003N	-2.7	99	56826.24	3.57	260	111102	385683.4083	6910909.793	24.8
L3	57854.48	-1.3	57877.5905	25	54	385685.243	6910923.3	-1.3	00003N	-3.2	99	56696.94	3.67	270	111128	385686.9973	6910920.19	24.8
L3	57868.94	-2.9	57892.0505	9	55	385691.818	6910931.27	-2.9	00003N	-5.3	99	56711.35	3.46	280	111224	385697.242	6910923.004	24.8
L3	57946.18	-4.6	57969.2905	21	53	385696.718	6910937.21	-4.6	00003N	-6.6	99	56788.57	3.53	290	111306	385701.488	6910929.686	24.8
L3	58002.86	-6	58025.9705	6	55	385703.964	6910945.98	-6	00003N	-8.7	99	56845.06	3.41	300	111423	385703.58	6910941.204	24.8
L3	58020.88	-9.3	58043.9905	3	55	385710.394	6910953.77	-9.3	00003N	-9.2	99	56862.95	3.41	310	111525	385710.12	6910949.275	24.8
L3	57984.5	-7.3	58007.6105	22	54	385717.335	6910962.18	-7.3	00003N	-8.9	99	56826.35	3.61	320	111611	385716.958	6910958.164	24.8
L3	58003.31	-11.9	58026.4205	18	55	385723.365	6910969.48	-11.9	00003N	-8.5	99	56844.95	3.6	330	111647	385723.8333	6910965.067	24.8
L3	58031.71	-11.8	58054.8204	22	54	385728.332	6910975.5	-11.8	00003N	-6.7	99	56873.24	3.61	340	111708	385726.6467	6910972.583	24.8
L3	57995.36	-12.4	58018.4705	16	56	385736.87	6910985.84	-12.4	00003N	-5.5	99	56836.65	3.61	350	111829	385731.4493	6910985.516	24.8
L3	57990.16	-13.7	58013.2705	21	55	385742.475	6910992.63	-13.7	00003N	-6	99	56831.47	3.62	360	111854	385737.96	6910991.809	24.8
L3	58067.69	-15.2	58090.8005	0	56	385750.157	6911001.94	-15.2	00003N	-4.4	99	56908.87	3.47	370	111922	385748.102	6910998.964	24.8
L3	58001.77	-12.5	58024.8805	-4	59	385755.742	6911008.7	-12.5	00003N	-3.4	99	56842.79	3.69	380	112010	385754.285	6911005.536	24.8
L3	58018.86	-11.9	58041.9705	-4	60	385762.648	6911017.07	-11.9	00003N	-2.3	99	56859.75	3.73	390	112037	385757.643	6911016.177	24.8
L3	57939.31	-13.8	57962.4205	14	58	385768.087	6911023.66	-13.8	00003N	-3	99	56780.1	3.69	400	112102	385762.198	6911023.691	24.8
L3	57977.9	-12.6	58001.0105	14	60	385775.782	6911032.98	-12.6	00003N	-2.8	99	56818.73	3.8	410	112132	385771.2553	6911032.209	24.8
L3	57989.83	-11.6	58012.9405	24	59	385782.602	6911041.24	-11.6	00003N	-0.6	99	56830.57	3.97	420	112202	385780.0693	6911038.821	24.8
L3	58004.87	-6.9	58027.9805	29	57	385787.818	6911047.56	-6.9	00003N	1.1	99	56845.47	3.96	430	112244	385787.2893	6911043.167	24.8
L3	58005.51	-7.7	58028.6205	42	50	385794.041	6911055.09	-7.7	00003N	3.9	99	56845.61	4.07	440	112415	385795.824	6911048.484	24.8
L3	58011.35	-7	58034.4605	13	60	385799.868	6911062.15	-7	00003N	3.5	99	56851.37	3.78	450	112501	385803.68	6911053.67	24.8
L3	58004.49	-11.9	58027.6005	16	59	385807.223	6911071.06	-11.9	00003N	3	99	56844.42	3.78	460	112539	385810.2423	6911063.579	24.8
L3	57996.99	-8.9	58020.1005	24	56	385813.252	6911078.37	-8.9	00003N	2.2	99	56836.85	3.81	470	112606	385816.054	6911071.396	24.8
L3	58005.61	-6.9	58028.7205	3	58	385818.964	6911085.28	-6.9	00003N	3.4	99	56845.5	3.62	480	112638	385821.294	6911078.992	24.8
L3	58009.02	-6.8	58032.1305	24	55	385825.824	6911093.59	-6.8	00003N	3.9	99	56848.83	3.72	490	112708	385827.7597	6911087.995	24.8
L3	58008.63	-5	58031.7405	14	60	385831.305	6911100.23	-5	00003N	4.6	99	56848.38	3.84	500	112811	385832.476	6911095.49	24.8
L3	58003.67	-6.6	58026.7805	5	59	385838.118	6911108.49	-6.6	00003N	4.1	99	56843.38	3.66	510	112840	385841.1533	6911102.261	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L3	58013.13	-8.5	58036.2405	7	58	385844.817	6911116.6	-8.5	00003N	2	99	56852.82	3.61	520	112905	385844.991	6911112.382	24.8
L3	58030.87	-10.7	58053.9805	17	56	385852.621	6911126.05	-10.7	00003N	0.5	99	56870.55	3.62	530	112931	385854.1067	6911121.093	24.8
L3	58031.31	-11.1	58054.4205	29	53	385857.334	6911131.76	-11.1	00003N	-1.1	99	56871.01	3.76	540	112955	385858.8087	6911127.083	24.8
L3	58043.12	-11.9	58066.2305	16	57	385863.868	6911139.68	-11.9	00003N	-1.8	99	56882.82	3.7	550	113018	385866.19	6911134.63	24.8
L3	58044.23	-12.3	58067.3405	21	58	385868.679	6911145.5	-12.3	00003N	-1.6	99	56883.95	3.84	560	113045	385868.633	6911142.009	24.8
L3	58045.95	-11.9	58069.0605	32	55	385875.797	6911154.13	-11.9	00003N	-2.1	99	56885.76	3.93	570	113113	385873.98	6911152.191	24.8
L3	58061.91	-10.4	58085.0205	31	55	385882.254	6911161.95	-10.4	00003N	-0.4	99	56901.73	3.94	580	113136	385880.396	6911160.418	24.8
L3	58064.03	-9.3	58087.1405	30	56	385887.538	6911168.35	-9.3	00003N	1.3	99	56903.81	3.94	590	113201	385888.05	6911164.2	24.8
L3	58063.33	-8.8	58086.4405	18	59	385895.809	6911178.37	-8.8	00003N	2.7	99	56903.07	3.81	600	113227	385896.8683	6911174.24	24.8
L3	58068.4	-8.9	58091.5105	29	54	385902.161	6911186.06	-8.9	00003N	2.2	99	56908.07	3.82	610	113256	385902.0933	6911183.073	24.8
L3	58067.58	-11.5	58090.6905	18	57	385907.511	6911192.54	-11.5	00003N	1.4	99	56907.21	3.74	620	113320	385908.6087	6911188.753	24.8
L3	58072.48	-12.4	58095.5905	2	59	385913.588	6911199.9	-12.4	00003N	0	99	56912.1	3.67	630	113360	385915.62	6911195.628	24.8
L3	58078.73	-15.9	58101.8405	15	58	385920.135	6911207.83	-15.9	00003N	-1.4	99	56918.2	3.73	640	113424	385920.485	6911205.02	24.8
L3	58083.79	-18.7	58106.9005	7	59	385927.016	6911216.17	-18.7	00003N	-4.7	99	56922.97	3.71	650	113506	385926.532	6911214.35	24.8
L3	58103.37	-20.6	58126.4805	6	61	385933.051	6911223.48	-20.6	00003N	-4.6	99	56942.54	3.82	660	113528	385931.644	6911222.653	24.8
L3	58099.84	-20.4	58122.9505	19	62	385938.983	6911230.67	-20.4	00003N	-4.2	99	56938.99	4	670	113548	385937.2153	6911230.452	24.8
L3	58091.69	-17.1	58114.8005	21	64	385945.329	6911238.35	-17.1	00003N	-4.2	99	56930.94	4.2	680	113612	385942.414	6911239.288	24.8
L3	58107.18	-9	58130.2905	17	68	385951.984	6911246.41	-9	00003N	-4	99	56946.53	4.33	690	113632	385948.0627	6911248.437	24.8
L3	58123.39	-3.4	58146.5005	15	69	385956.69	6911252.11	-3.4	00003N	-3.9	99	56962.83	4.39	700	113650	385951.2253	6911255.352	24.8
L3	58123.18	7.2	58146.2905	3	69	385965.121	6911262.33	7.2	00003N	-3.9	99	56962.55	4.3	710	113715	385959.5293	6911266.151	24.8
L3	58090.62	10.8	58113.7305	17	65	385970.626	6911269	10.8	00003N	-3.5	99	56930.04	4.19	720	113741	385967.0393	6911270.915	24.8
L3	58102.46	13.2	58125.5704	17	62	385977.277	6911277.05	13.2	00003N	-2.3	99	56941.76	4	730	113807	385971.888	6911280.505	24.8
L3	58106.12	13.3	58129.2305	17	59	385983.817	6911284.97	13.3	00003N	-1.4	99	56945.23	3.8	740	113834	385980.971	6911285.903	24.8
L3	58136.96	11.6	58160.0704	17	59	385990.275	6911292.8	11.6	00003N	-0.8	99	56976.01	3.79	750	113907	385986.2247	6911294.919	24.8
L3	58088.58	11.3	58111.6905	15	55	385997.041	6911300.99	11.3	00003N	0.7	99	56927.57	3.57	760	113938	385995.1133	6911301.281	24.8
L3	58098.45	9	58121.5605	21	54	386003.118	6911308.35	9	00003N	0.2	99	56937.33	3.6	770	113959	386002.6826	6911307.535	24.8
L3	58099.44	6.3	58122.5505	15	55	386009.039	6911315.53	6.3	00003N	0.3	99	56938.11	3.55	780	114026	386010.288	6911313.339	24.8
L3	58103.94	4.5	58127.0505	6	57	386015.047	6911322.8	4.5	00003N	1.3	99	56942.54	3.58	790	114053	386014.4253	6911322.119	24.8
L3	58102.41	1.1	58125.5205	9	56	386021.603	6911330.75	1.1	00003N	2	99	56940.9	3.54	800	114112	386022.568	6911328.895	24.8
L3	58105.46	-1.3	58128.5704	14	55	386028.389	6911338.97	-1.3	00003N	2.2	99	56943.82	3.53	810	114143	386029.21	6911337.618	24.8
L3	58117.69	-3.3	58140.8005	12	54	386034.418	6911346.27	-3.3	00003N	1.8	99	56956.04	3.44	820	114207	386035.0173	6911345.439	24.8
L3	58126.94	-7.5	58150.0505	-3	56	386040.131	6911353.19	-7.5	00003N	1.7	99	56965.3	3.47	830	114225	386040.2747	6911353.025	24.8
L3	58132.92	-11.1	58156.0305	19	53	386045.362	6911359.53	-11.1	00003N	0.4	99	56971.34	3.52	840	114304	386047.29	6911357.74	24.8
L3	58132.33	-13.3	58155.4405	9	56	386051.652	6911367.14	-13.3	00003N	0.2	99	56970.68	3.52	850	114435	386053.9567	6911365.41	24.8
L3	58149.67	-16.2	58172.7805	10	56	386058.027	6911374.87	-16.2	00003N	-0.7	99	56987.96	3.55	860	114543	386058.0333	6911374.869	24.8
L30	58363.15	7.1	58370.7925	127	-61	387596.17	6908994.7	-7.1	00030N	2.1	99	57190.26	4.35	0	140236	387596.1733	6908994.697	24.8
L30	58332.34	10.6	58339.9825	57	-46	387603.223	6909003.23	-10.6	00030N	0	99	57159.49	4.55	10	140316	387602.4873	6909004.062	24.8
L30	58395.47	12.9	58403.1125	41	-54	387610.858	6909012.46	-12.9	00030N	-0.7	99	57222.68	4.22	20	140344	387610.4567	6909013.336	24.8
L30	58363.52	12.7	58371.1625	57	-39	387617.098	6909020	-12.7	00030N	-1.7	99	57190.99	4.27	30	140408	387615.1067	6909022.182	24.8
L30	58363.05	11.8	58370.6925	55	-39	387623.345	6909027.55	-11.8	00030N	-0.3	99	57190.73	4.2	40	140429	387621.428	6909029.936	24.8
L30	58347.06	12.4	58354.7025	46	-45	387628.637	6909033.95	-12.4	00030N	-0.3	99	57174.54	4.01	50	140454	387626.501	6909036.725	24.8
L30	58382.17	10.7	58389.8125	114	-69	387634.897	6909041.52	-10.7	00030N	-1	99	57209.71	4.12	60	140517	387634.7237	6909042.461	24.8
L30	58437.71	10.9	58445.3525	65	-102	387643.024	6909051.34	-10.9	00030N	-0.8	99	57265.44	3.72	70	140543	387642.984	6909052.518	24.8
L30	58472.93	9	58480.5725	90	-91	387648.877	6909058.41	-9	00030N	-0.4	99	57300.81	3.95	80	140606	387648.374	6909060.186	24.8
L30	58486.42	9.1	58494.0625	59	-109	387655.664	6909066.62	-9.1	00030N	-1	99	57314.13	3.81	90	140627	387654.4	6909069.233	24.8
L30	58516.25	8.4	58523.8925	86	-91	387660.925	6909072.98	-8.4	00030N	-2.6	99	57343.65	3.87	100	140650	387661.586	6909073.632	24.8
L30	58558.12	9.8	58565.7625	91	-87	387666.875	6909080.17	-9.8	00030N	-4.5	99	57385.68	3.88	110	140713	387667.2547	6909081.291	24.8
L30	59021.78	10	59029.4225	122	-51	387673.357	6909088.01	-10	00030N	-7.4	99	57849.32	4.07	120	140737	387674.253	6909088.957	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L30	59243.84	9.3	59251.4825	39	-44	387680.101	6909096.16	-9.3	00030N	-6.7	99	58071.25	3.63	130	140760	387679.4622	6909098.419	24.8
L30	59078.83	5.4	59086.4725	99	-76	387685.83	6909103.08	-5.4	00030N	-5.1	99	57906.21	3.84	140	140826	387687.4583	6909102.918	24.8
L30	58823.87	1.9	58831.5125	43	-102	387692.383	6909111.01	-1.9	00030N	-3.3	99	57651.2	3.43	150	140849	387693.3867	6909111.578	24.8
L30	58408.51	-1.2	58416.1525	93	-81	387700.229	6909120.49	1.2	00030N	-2	99	57236.18	3.82	160	140914	387701.1873	6909121.427	24.8
L30	58396.74	-1.3	58404.3825	108	-67	387706.343	6909127.88	1.3	00030N	-1.1	99	57224.2	3.91	170	140939	387705.5323	6909130.202	24.8
L30	58314.74	-5	58322.3825	69	-99	387711.742	6909134.41	5	00030N	-1.8	99	57142	3.74	180	140960	387711.6642	6909136.298	24.8
L30	58207.41	-7.1	58215.0525	34	-113	387719.895	6909144.26	7.1	00030N	-1.7	99	57035.1	3.64	190	141025	387720.18	6909146.195	24.8
L30	58406.89	-7.3	58414.5325	63	-104	387724.36	6909149.66	7.3	00030N	0	99	57234.38	3.74	200	141046	387726.3183	6909149.865	24.8
L30	58223.75	-7.3	58231.3925	97	-89	387731.488	6909158.28	7.3	00030N	-0.3	99	57051.3	4.07	210	141110	387732.605	6909159.393	24.8
L30	58054.72	-10.2	58062.3625	99	-89	387736.853	6909164.76	10.2	00030N	0.4	99	56882.69	4.13	220	141131	387737.75	6909166.274	24.8
L30	58105.75	-7.7	58113.3925	109	-82	387743.971	6909173.37	7.7	00030N	1.2	99	56933.98	4.22	230	141154	387744.56	6909175.416	24.8
L30	58127.62	-5.9	58135.2625	116	-85	387749.456	6909180	5.9	00030N	1.2	99	56955.4	4.44	240	141215	387750.61	6909181.784	24.8
L30	58161.82	-3.5	58169.4625	124	-76	387755.843	6909187.72	3.5	00030N	0.3	99	56989.5	4.51	250	141239	387757.7387	6909189.118	24.8
L30	58186.8	-2	58194.4425	45	-53	387762.526	6909195.8	2	00030N	-0.3	99	57014.18	4.35	260	141301	387764.79	6909197.17	24.8
L30	58197.83	0.6	58205.4725	57	-46	387769.979	6909204.81	-0.6	00030N	-0.6	99	57025.23	4.56	270	141323	387772.55	6909206.24	24.8
L30	58215.12	4	58222.7625	47	-54	387775.49	6909211.47	-4	00030N	-3.1	99	57042.7	4.45	280	141343	387777.3167	6909213.667	24.8
L30	58231.35	5.5	58238.9925	54	-51	387781.472	6909218.7	-5.5	00030N	-3.7	99	57059.4	4.59	290	141404	387783.259	6909221.182	24.8
L30	58234.39	11.7	58242.0325	53	-52	387787.687	6909226.21	-11.7	00030N	-7.1	99	57062.81	4.62	300	141424	387789.5833	6909228.868	24.8
L30	58246.34	16.1	58253.9825	53	-49	387793.924	6909233.75	-16.1	00030N	-10.5	99	57074.89	4.46	310	141445	387797.004	6909235.554	24.8
L30	58260.25	18.3	58267.8925	61	-39	387800.521	6909241.73	-18.3	00030N	-13.2	99	57088.79	4.45	320	141507	387804.2567	6909243.237	24.8
L30	58277.44	17.7	58285.0825	48	-44	387806.8	6909249.32	-17.7	00030N	-14.7	99	57106.07	4.04	330	141527	387810.3827	6909251.211	24.8
L30	58274.33	17.5	58281.9725	106	-85	387813.623	6909257.56	-17.5	00030N	-14.5	99	57103.45	4.17	340	141552	387815.2017	6909261.016	24.8
L30	58280.65	18.2	58288.2925	99	-84	387820.006	6909265.28	-18.2	00030N	-14.9	99	57109.72	4.02	350	141620	387823.03	6909267.592	24.8
L30	58278.24	18.8	58285.8825	90	-92	387825.038	6909271.36	-18.8	00030N	-15.2	99	57106.85	3.99	360	141646	387828.869	6909273.145	24.8
L30	58276.3	18.4	58283.9425	114	-61	387831.516	6909279.19	-18.4	00030N	-15.4	99	57104.79	4	370	141714	387831.855	6909283.08	24.8
L30	58282.53	18.1	58290.1725	90	-86	387838.322	6909287.42	-18.1	00030N	-16.3	99	57111.14	3.84	380	141749	387837.457	6909292.431	24.8
L30	58278.53	18.6	58286.1725	87	-84	387844.049	6909294.34	-18.6	00030N	-16.8	99	57107.79	3.72	390	141817	387844.686	6909298.074	24.8
L30	58280.13	17.8	58287.7725	105	-64	387851.18	6909302.96	-17.8	00030N	-15.9	99	57109.33	3.79	400	141844	387854.4987	6909303.916	24.8
L30	58277.33	18.5	58284.9725	48	-100	387857.229	6909310.28	-18.5	00030N	-16.3	99	57106.46	3.43	410	141911	387857.6367	6909313.082	24.8
L30	58325.97	19.5	58333.6125	49	-94	387865.025	6909319.7	-19.5	00030N	-16.9	99	57155.16	3.27	420	141940	387866.66	6909321.71	24.8
L30	58276	20.4	58283.6425	102	-59	387871.032	6909326.96	-20.4	00030N	-12.8	99	57105.18	3.64	430	142000	387873.9672	6909327.966	24.8
L30	58286.47	18.8	58294.1125	38	-94	387876.82	6909333.96	-18.8	00030N	-14.6	99	57115.51	3.13	440	142026	387879.463	6909335.432	24.8
L30	58283.32	14.6	58290.9625	22	-80	387882.823	6909341.22	-14.6	00030N	-16.8	99	57112.11	2.57	450	142052	387885.9367	6909342.538	24.8
L30	58280.24	16.8	58287.8825	98	-47	387887.853	6909347.3	-16.8	00030N	-8.2	99	57109.22	3.36	460	142150	387891.2	6909348.636	24.8
L30	58292.12	13.8	58299.7625	108	-29	387893.866	6909354.56	-13.8	00030N	-4.1	99	57120.17	3.45	470	142355	387898.2747	6909355.17	24.8
L30	58352.07	11.6	58359.7125	116	-18	387901.878	6909364.25	-11.6	00030N	0.4	99	57180.41	3.62	480	142459	387902.0743	6909367.425	24.8
L30	58425.34	9.5	58432.9825	100	-50	387910.046	6909374.12	-9.5	00030N	-2.7	99	57253.39	3.45	490	142538	387907.9827	6909379.096	24.8
L30	58415.21	8.3	58422.8525	81	-70	387916.291	6909381.67	-8.3	00030N	-2.3	99	57242.85	3.31	500	142606	387913.836	6909387.206	24.8
L30	58455.38	6.1	58463.0225	115	-15	387922.325	6909388.97	-6.1	00030N	-1.2	99	57282.82	3.57	510	142636	387921.5327	6909393.049	24.8
L30	58532.91	2.8	58540.5525	89	-65	387928.951	6909396.98	-2.8	00030N	2.8	99	57360.22	3.39	520	142702	387928.914	6909400.672	24.8
L30	58459.15	-0.7	58466.7925	99	-56	387934.847	6909404.1	0.7	00030N	4	99	57286.61	3.52	530	142730	387936.4547	6909406.354	24.8
L30	58503.5	-1	58511.1425	97	-63	387943.055	6909414.03	1	00030N	6.7	99	57331.06	3.57	540	142800	387944.9589	6909416.379	24.8
L30	58466.99	-2.8	58474.6325	89	-72	387946.94	6909418.72	2.8	00030N	7.3	99	57294.53	3.54	550	142822	387948.9673	6909421.137	24.8
L30	58554.88	-2.1	58562.5225	77	-83	387953.079	6909426.14	2.1	00030N	6.2	99	57382.87	3.5	560	142925	387955.492	6909428.49	24.8
L30	58697.35	0.9	58704.9925	98	-72	387959.79	6909434.26	-0.9	00030N	3.2	99	57525.55	3.77	570	142952	387961.96	6909437.075	24.8
L30	59463.84	1.1	59471.4825	82	-86	387966.485	6909442.35	-1.1	00030N	-0.2	99	58292.19	3.67	580	143017	387968.034	6909445.909	24.8
L30	58929.59	0.7	58937.2325	69	-91	387972.295	6909449.37	-0.7	00030N	-1.6	99	57758.23	3.52	590	143038	387972.7013	6909453.959	24.8
L30	58559.13	2.7	58566.7725	96	-75	387978.131	6909456.43	-2.7	00030N	-0.5	99	57388.04	3.75	600	143105	387980.2017	6909459.535	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L30	58968.09	3.2	58975.7325	104	-61	387985.592	6909465.45	-3.2	00030N	-2.2	99	57797.33	3.73	610	143136	387986.132	6909469.908	24.8
L30	59158.31	0.6	59165.9525	69	-92	387992.031	6909473.23	-0.6	00030N	-1.5	99	57988.02	3.56	620	143209	387994.641	6909475.734	24.8
L30	58667.61	-3.4	58675.2525	66	-89	387998.103	6909480.57	3.4	00030N	-0.7	99	57497.37	3.43	630	143234	388002.378	6909481.625	24.8
L30	58235.11	0.1	58242.7525	68	-93	388004.536	6909488.35	-0.1	00030N	-2.9	99	57065.05	3.54	640	143257	388008.9567	6909489.553	24.8
L30	58442.61	-0.3	58450.2525	80	-84	388009.99	6909494.94	0.3	00030N	-2.8	99	57272.85	3.59	650	143330	388011.9613	6909497.755	24.8
L30	58480.59	-0.4	58488.2325	30	-101	388017.145	6909503.59	0.4	00030N	-3.4	99	57311.04	3.26	660	143405	388020.4947	6909505.403	24.8
L30	58591.87	-0.5	58599.5125	84	-75	388025.836	6909514.09	0.5	00030N	-4.2	99	57422.1	3.49	670	143459	388030.84	6909514.712	24.8
L30	58636.23	-2.2	58643.8725	86	-74	388030.234	6909519.41	2.2	00030N	-3.6	99	57466.53	3.5	680	143516	388034.0167	6909521	24.8
L30	58392.82	-3.3	58400.4625	92	-64	388036.934	6909527.51	3.3	00030N	-1	99	57222.81	3.47	690	143537	388037.55	6909531.13	24.8
L30	58357.17	-5.7	58364.8125	80	-75	388042.167	6909533.84	5.7	00030N	-0.2	99	57187.4	3.38	700	143559	388045.1593	6909534.645	24.8
L30	58206.25	-9.9	58213.8925	51	-94	388050.101	6909543.43	9.9	00030N	0.7	99	57036.5	3.31	710	143625	388053.109	6909544.556	24.8
L30	58212.46	-11.7	58220.1025	38	-98	388056.208	6909550.81	11.7	00030N	0.4	99	57042.85	3.26	720	143651	388057.54	6909553.275	24.8
L30	58097.26	-11.5	58104.9025	88	-72	388063.22	6909559.29	11.5	00030N	2.3	99	56927.95	3.52	730	143721	388065.782	6909560.902	24.8
L30	58019.68	-11.2	58027.3225	86	-75	388068.351	6909565.49	11.2	00030N	2.7	99	56850.29	3.53	740	143747	388072.5767	6909565.523	24.8
L30	58032.24	-10.4	58039.8825	95	-69	388075.984	6909574.72	10.4	00030N	2.2	99	56863.02	3.65	750	143812	388076.307	6909577.165	24.8
L30	58090.7	-11.8	58098.3425	81	-76	388082.782	6909582.93	11.8	00030N	1.5	99	56921.46	3.43	760	143839	388082.0733	6909586.398	24.8
L30	58041.75	-12.8	58049.3925	70	-84	388090.003	6909591.66	12.8	00030N	2.8	99	56872.63	3.38	770	143902	388091.3077	6909593.36	24.8
L30	58026.76	-14.2	58034.4025	74	-77	388093.732	6909596.17	14.2	00030N	4.7	99	56857.72	3.3	780	143924	388093.5633	6909598.889	24.8
L30	58085.38	-17.5	58093.0225	53	-89	388100.959	6909604.9	17.5	00030N	4.3	99	56916.95	3.18	790	144031	388100.5153	6909608.142	24.8
L30	58067.24	-16.9	58074.8825	118	0	388106.975	6909612.18	16.9	00030N	8.8	99	56899.08	3.63	800	144158	388108.28	6909613.847	24.8
L30	58102.71		58110.3525	25	-92	388114.368	6909621.11	30.9	00030N	6.9	99	56935.67	2.95	810	144553	388115.8357	6909622.963	24.8
L30	58112.05	-22.2	58119.6925	109	38	388119.697	6909627.56	22.2	00030N	14.8	99	56945.24	3.56	820	144628	388122.4433	6909628.363	24.8
L30	58135.76	-25.2	58143.4025	89	73	388126.85	6909636.2	25.2	00030N	15.1	99	56968.94	3.56	830	144710	388124.285	6909639.67	24.8
L30	58143.99	-26.7	58151.6325	91	-73	388134.48	6909645.43	26.7	00030N	16.9	99	56977.41	3.6	840	144758	388134.75	6909645.977	24.8
L30	58174.41	-26.5	58182.0525	90	76	388141.884	6909654.38	26.5	00030N	16.8	99	57008.68	3.63	850	144921	388139.9393	6909656.639	24.8
L30	58188.59	-28.2	58196.2325	106	-65			28.2	00030N	14.8	99	57023.1	3.84	860	145017	388146.228	6909659.631	24.8
L31	58443.31	17.9	58450.9525	95	-99	387674.54	6908935.1	-17.9	00031N	-8	99	57270.84	4.23	0	135645	387674.541	6908935.097	24.8
L31	58424.57	18.4	58432.2125	74	-108	387680.77	6908942.55	-18.4	00031N	-7.3	99	57251.87	4.04	10	135616	387680.387	6908943.179	24.8
L31	58353.57	17.3	58361.2125	83	-96	387684.809	6908947.37	-17.3	00031N	-7.6	99	57180.94	3.93	20	135553	387685.9407	6908946.494	24.8
L31	58443.02	14.8	58450.6625	106	-80	387690.959	6908954.72	-14.8	00031N	-6	99	57270.38	4.11	30	135528	387692.372	6908953.95	24.8
L31	58435.84	15.7	58443.4825	55	-107	387699.103	6908964.45	-15.7	00031N	-5.7	99	57263.15	3.71	40	135460	387699.6944	6908964.739	24.8
L31	58664.49	12	58672.1325	82	-90	387705.158	6908971.69	-12	00031N	-4.6	99	57491.97	3.76	50	135335	387707.244	6908970.822	24.8
L31	58739.54	8.2	58747.1825	119	-51	387711.316	6908979.05	-8.2	00031N	-2.3	99	57567	4	60	135307	387711.342	6908979.789	24.8
L31	58634.79	7.5	58642.4325	53	-102	387718.322	6908987.42	-7.5	00031N	-1.2	99	57461.94	3.54	70	135239	387720.2733	6908986.576	24.8
L31	58605.79	4.4	58613.4325	81	-93	387724.233	6908994.48	-4.4	00031N	-0.2	99	57432.87	3.81	80	135209	387726.7333	6908993.493	24.8
L31	58612.86	3.1	58620.5025	111	-64	387730.466	6909001.93	-3.1	00031N	0.3	99	57440.22	3.97	90	135143	387732.712	6909001.483	24.8
L31	58572.94	1.3	58580.5825	89	-85	387737.429	6909010.25	-1.3	00031N	-0.2	99	57400.1	3.8	100	135111	387740.2913	6909009.66	24.8
L31	58559.21	-1.4	58566.8525	84	-93	387744.282	6909018.44	1.4	00031N	-0.9	99	57386.36	3.86	110	135042	387745.003	6909019.568	24.8
L31	58628.82	-2.3	58636.4625	65	-102	387749.921	6909025.18	2.3	00031N	0	99	57455.75	3.74	120	135015	387750.1263	6909027.003	24.8
L31	58658.7	-3.7	58666.3425	65	-100	387755.672	6909032.05	3.7	00031N	0.9	99	57485.88	3.69	130	134951	387756.4207	6909033.723	24.8
L31	58824.73	-4.4	58832.3725	99	-82	387762.175	6909039.83	4.4	00031N	-1	99	57651.89	3.97	140	134923	387763.454	6909041.402	24.8
L31	58914.46	-4.5	58922.1025	104	-79	387767.975	6909046.76	4.5	00031N	-2.9	99	57741.42	4.03	150	134853	387769.9317	6909048.057	24.8
L31	58899.6	-4.9	58907.2425	82	-95	387774.478	6909054.53	4.9	00031N	-2.8	99	57726.72	3.88	160	134827	387776.928	6909055.768	24.8
L31	58685.28	-6.3	58692.9225	47	-45	387781.067	6909062.4	6.3	00031N	-2.5	99	57512.2	4.04	170	134754	387783.8553	6909063.725	24.8
L31	58444.09	-6.6	58451.7325	51	-43	387787.239	6909069.78	6.6	00031N	-3	99	57271.12	4.14	180	134722	387788.0293	6909072.682	24.8
L31	58596.2	-5.7	58603.8425	24	-57	387794.009	6909077.87	5.7	00031N	-6.3	99	57423.01	3.82	190	134657	387795.515	6909080.52	24.8
L31	58562.91	-6.7	58570.5525	55	-42	387800.347	6909085.44	6.7	00031N	-4	99	57389.42	4.28	200	134630	387804.0487	6909086.013	24.8
L31	58475.79	-6.7	58483.4325	48	-50	387806.393	6909092.67	6.7	00031N	-4.3	99	57302.15	4.32	210	134541	387808.526	6909094.595	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L31	58359.98	-4.8	58367.6225	57	-44	387813.267	6909100.88	4.8	00031N	-6.1	99	57186.31	4.45	220	134512	387815.2967	6909103.273	24.8
L31	58304.87	-4	58312.5125	54	-49	387819.316	6909108.11	4	00031N	-7.1	99	57130.87	4.5	230	134443	387821.34	6909110.84	24.8
L31	58092.7	-1.9	58100.3425	59	-45	387825.578	6909115.59	1.9	00031N	-5.5	99	56918.64	4.6	240	134413	387828.918	6909117.406	24.8
L31	58035.51	-0.9	58043.1525	59	-48	387830.671	6909121.68	0.9	00031N	-6.4	99	56861.01	4.71	250	134346	387833.284	6909124.293	24.8
L31	58071.23	2.5	58078.8725	66	-37	387836.637	6909128.81	-2.5	00031N	-10.4	99	56897.08	4.71	260	134316	387839.6323	6909131.432	24.8
L31	58104.5	8.5	58112.1425	65	-34	387844.031	6909137.65	-8.5	00031N	-14.4	99	56929.86	4.57	270	134231	387845.9413	6909141.449	24.8
L31	58145.87	9.9	58153.5125	40	-55	387851.265	6909146.29	-9.9	00031N	-13.9	99	56971.12	4.24	280	134157	387851.672	6909151.515	24.8
L31	58182.49	9.7	58190.1325	62	-39	387857.779	6909154.07	-9.7	00031N	-11.6	99	57007.93	4.53	290	134029	387859.393	6909158.525	24.8
L31	58199.56	12.3	58207.2025	127	-26	387865.68	6909163.52	-12.3	00031N	-12.9	99	57024.63	4.01	300	133949	387871.5373	6909162.07	24.8
L31	58230.05	12.3	58237.6925	116	-82	387872.253	6909171.37	-12.3	00031N	-12.8	99	57055.17	4.37	310	133914	387873.178	6909172.465	24.8
L31	58257.25	15.2	58264.8925	49	-48	387879.57	6909180.11	-15.2	00031N	-14.3	99	57082.26	4.27	320	133823	387878.5063	6909182.898	24.8
L31	58275.02	18.2	58282.6625	51	-43	387884.696	6909186.24	-18.2	00031N	-16	99	57100.14	4.17	330	133735	387883.5023	6909189.41	24.8
L31	58280.44	20.2	58288.0825	39	-53	387890.992	6909193.76	-20.2	00031N	-18.9	99	57105.41	4.06	340	133628	387891.8533	6909195.056	24.8
L31	58269.35	21.9	58276.9925	127	-34	387897.631	6909201.7	-21.9	00031N	-19.1	99	57094.12	4.07	350	133519	387898.95	6909202.97	24.8
L31	58251.04	24	58258.6825	76	-95	387903.701	6909208.95	-24	00031N	-20.3	99	57076.14	3.75	360	133426	387903.508	6909211.555	24.8
L31	58234.76	23.1	58242.4025	94	-77	387910.098	6909216.6	-23.1	00031N	-18.5	99	57059.71	3.77	370	133314	387910.0293	6909219.451	24.8
L31	58265.71	24	58273.3525	79	-86	387913.785	6909221	-24	00031N	-19.3	99	57090.38	3.61	380	133227	387913.99	6909223.83	24.8
L31	58276.7	19.5	58284.3425	26	-92	387922.371	6909231.26	-19.5	00031N	-23.9	99	57101.5	2.94	390	132954	387923.902	6909233.356	24.8
L31	58255.61	20	58263.2525	96	-64	387929.884	6909240.24	-20	00031N	-12	99	57080.86	3.58	400	132824	387931.8353	6909242.399	24.8
L31	58265.05	18.2	58272.6925	79	-77	387933.87	6909245	-18.2	00031N	-12	99	57090.68	3.43	410	132738	387936.61	6909246.633	24.8
L31	58279.48	16.2	58287.1225	98	-57	387940.361	6909252.76	-16.2	00031N	-10.1	99	57105.08	3.5	420	132706	387942.702	6909255.052	24.8
L31	58275	14	58282.6425	67	-83	387948.409	6909262.38	-14	00031N	-8.1	99	57100.66	3.29	430	132617	387948.58	6909266.52	24.8
L31	58276.88	12.3	58284.5225	69	-81	387954.192	6909269.29	-12.3	00031N	-7.1	99	57102.9	3.29	440	132520	387953.1683	6909274.562	24.8
L31	58302.29	9.1	58309.9325	44	-91	387960.569	6909276.91	-9.1	00031N	-2.4	99	57128.09	3.12	450	132403	387958.838	6909283.055	24.8
L31	58319.34	5.3	58326.9825	37	-90	387967.991	6909285.78	-5.3	00031N	3.4	99	57144.94	3.02	460	132249	387970.283	6909286.248	24.8
L31	58355.95	2.7	58363.5925	107	-47	387974.242	6909293.25	-2.7	00031N	3.9	99	57181.53	3.61	470	132215	387974.5713	6909295.292	24.8
L31	58405.61	1.9	58413.2525	105	-53	387980.854	6909301.15	-1.9	00031N	5.2	99	57231.17	3.62	480	132148	387981.888	6909302.943	24.8
L31	58442.26	0.5	58449.9025	50	-96	387986.516	6909307.92	-0.5	00031N	6.6	99	57267.7	3.33	490	132116	387990.0447	6909306.901	24.8
L31	58480.98	-0.5	58488.6225	96	-72	387993.514	6909316.28	0.5	00031N	5.3	99	57306.56	3.71	500	132039	387994.0283	6909317.374	24.8
L31	58486.46	0	58494.1025	110	-58	387999.413	6909323.33	0	00031N	4.8	99	57312.01	3.85	510	132010	388001.4273	6909323.243	24.8
L31	58503.43	0.5	58511.0725	84	-84	388006.662	6909331.99	-0.5	00031N	4	99	57328.76	3.65	520	131935	388007.034	6909333.406	24.8
L31	58542.75	-1.1	58550.3925	96	-80	388013.266	6909339.88	1.1	00031N	4.6	99	57367.98	3.86	530	131858	388014.1853	6909341.194	24.8
L31	58564.53	-2.7	58572.1725	103	-70	388018.945	6909346.67	2.7	00031N	4.8	99	57389.63	3.84	540	131826	388017.125	6909349.798	24.8
L31	58548.1	-2	58555.7425	56	-102	388024.903	6909353.79	2	00031N	4	99	57373.16	3.61	550	131755	388024.3	6909356.087	24.8
L31	58545.11	-1.2	58552.7525	63	-96	388031.062	6909361.15	1.2	00031N	4	99	57370.43	3.56	560	131716	388030.4983	6909363.755	24.8
L31	58822.55	-0.3	58830.1925	73	-94	388038.103	6909369.56	0.3	00031N	2.8	99	57647.51	3.68	570	131644	388038.266	6909371.926	24.8
L31	58624.13	-2.5	58631.7725	55	-103	388045.027	6909377.84	2.5	00031N	3.4	99	57448.95	3.61	580	131600	388046.3399	6909379.524	24.8
L31	58699.21	-1.5	58706.8525	83	-91	388051.322	6909385.36	1.5	00031N	3.8	99	57524.04	3.82	590	131535	388050.756	6909388.584	24.8
L31	60055.89	-2.5	60063.5325	30	-106	388058.769	6909394.26	2.5	00031N	2.8	99	58880.86	3.41	600	131507	388059.41	6909396.785	24.8
L31	58748.44	-3	58756.0825	48	-106	388063.217	6909399.58	3	00031N	3.9	99	57573.41	3.59	610	131445	388062.054	6909403.398	24.8
L31	58783.52	-1.6	58791.1625	27	-109	388070.568	6909408.36	1.6	00031N	2.6	99	57608.37	3.48	620	131417	388069.79	6909412.268	24.8
L31	59333.9	-2.5	59341.5425	56	-108	388076.227	6909415.12	2.5	00031N	0.1	99	58158.54	3.76	630	131355	388075.91	6909418.95	24.8
L31	58049.99	0.6	58057.6325	84	-96	388082.724	6909422.89	-0.6	00031N	-3.7	99	56874.61	3.94	640	131331	388083.791	6909425.739	24.8
L31	58334.07	2.3	58341.7125	72	-93	388088.532	6909429.83	-2.3	00031N	-5.2	99	57158.53	3.64	650	131310	388088.241	6909433.905	24.8
L31	58309.25	-0.2	58316.8925	46	-104	388094.501	6909436.96	0.2	00031N	-3.5	99	57134	3.5	660	131247	388095.054	6909440.608	24.8
L31	58397.59	-1.6	58405.2325	36	-106	388100.781	6909444.47	1.6	00031N	-2.8	99	57222.51	3.45	670	131213	388101.956	6909447.919	24.8
L31	58311.95	-2.2	58319.5925	56	-101	388107.317	6909452.28	2.2	00031N	-1.3	99	57136.75	3.56	680	131150	388107.5097	6909456.789	24.8
L31	58531.76	-1.5	58539.4025	66	-97	388114.024	6909460.29	1.5	00031N	-2.9	99	57356.28	3.63	690	131125	388114.0887	6909465.277	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L31	58552.68	-2.2	58560.3225	63	-97	388120.593	6909468.14	2.2	00031N	-4.4	99	57377.47	3.56	700	131050	388120.841	6909473.34	24.8
L31	58225.15	-3.1	58232.7925	24	-105	388125.819	6909474.39	3.1	00031N	-3.5	99	57049.52	3.33	710	131023	388125.56	6909480.251	24.8
L31	58118.5	-2.2	58126.1425	54	-101	388132.247	6909482.07	2.2	00031N	-4.5	99	56943.03	3.55	720	130944	388132.67	6909487.692	24.8
L31	58282.02	-0.5	58289.6625	12	-93	388138.416	6909489.44	0.5	00031N	-4.1	99	57106.86	2.89	730	130857	388134.177	6909497.454	24.8
L31	58405.37	-3.5	58413.0125	93	-77	388146.256	6909498.81	3.5	00031N	-6	99	57229.88	3.75	740	130750	388142.876	6909506.502	24.8
L31	58553.61	-5.1	58561.2525	75	-85	388152.974	6909506.84	5.1	00031N	-6.7	99	57378.47	3.52	750	130714	388150.803	6909513.774	24.8
L31	58691.85	-6.6	58699.4925	70	-86	388158.874	6909513.89	6.6	00031N	-6.1	99	57515.71	3.42	760	130620	388158.768	6909518.852	24.8
L31	58586	-8	58593.6425	33	-97	388164.824	6909521	8	00031N	-5.4	99	57410.19	3.16	770	130556	388165.2233	6909525.858	24.8
L31	58674.95	-15	58682.5925	55	-88	388171.565	6909529.05	15	00031N	-2.4	99	57499.93	3.21	780	130458	388170.28	6909535.394	24.8
L31	58427.02	-17	58434.6625	84	-76	388177.352	6909535.97	17	00031N	0.2	99	57251.7	3.5	790	130427	388173.6213	6909544.037	24.8
L31	57937.2	-21.5	57944.8425	127	-127	388184.399	6909544.39	21.5	00031N	2.7	99	56761.7	2.78	800	130359	388182.5237	6909550.968	24.8
L31	57887.16	-20.8	57894.8025	59	-94	388191.648	6909553.05	20.8	00031N	1.9	99	56710.91	3.42	810	130250	388193.066	6909555.824	24.8
L31	57944.86		57952.5025	45	94	388198.123	6909560.79	-19.6	00031N	-7.3	99	56769.24	3.21	820	130115	388200.42	6909563.13	24.8
L31	57943.71		57951.3525	34	96	388202.963	6909566.57	-19.5	00031N	-10	99	56767.99	3.17	830	130004	388203.3533	6909570.303	24.8
L31	57989.45	-24.2	57997.0925	25	-99	388210.428	6909575.5	24.2	00031N	-0.6	99	56813.65	3.15	840	125922	388204.716	6909582.178	24.8
L31	57985.19	18.7	57992.8325	89	70	388218.36	6909584.97	-18.7	00031N	-8.6	99	56809.07	3.51	850	125749	388216.2747	6909587.438	24.8
L31	57980.04	15	57987.6825	12	67			-15	00031N	-27.3	99	56804.08	2.11	860	125716	388222.7953	6909590.283	24.8
L315	58624.04		58633.8634			388085.583	6909343.05		00315N		99	57467.22		0	112818	388085.5827	6909343.05	
L315	61204.36		61214.1834						00315N		99	60047.59		10	112753	388095.7427	6909345.094	
L315	59111.33		59121.1534						00315N		99	57954.83		20	112635	388094.8643	6909357.087	
L315	58825.92		58835.7434						00315N		99	57669.47		30	112602	388103.805	6909365.105	
L315	58463.44		58473.2634						00315N		99	57307.02		40	112539	388109.364	6909373.942	
L315	58526.5		58536.3234						00315N		99	57370.06		50	112504	388118.3127	6909381.611	
L315	58453.3		58463.1234						00315N		99	57296.77		60	112432	388124.5113	6909388.152	
L315	58275.79		58285.6134						00315N		99	57119.24		70	112408	388127.979	6909397.682	
L315	58313.65		58323.4734						00315N		99	57157.1		80	112344	388135.2273	6909405.143	
L315	58431.49		58441.3134						00315N		99	57274.91		90	112318	388141.449	6909411.785	
L315	58397.43		58407.2534						00315N		99	57240.8		100	112253	388144.4877	6909423.314	
L315	58410.43		58420.2534						00315N		99	57253.79		110	112229	388151.7	6909429.44	
L315	58434.28		58444.1034						00315N		99	57277.65		120	112202	388158.1263	6909436.972	
L315	58351.97		58361.7934						00315N		99	57195.31		130	112136	388164.49	6909445.255	
L315	58453.46		58463.2834						00315N		99	57296.83		140	112046	388171.9187	6909452.071	
L315	58956.76		58966.5834						00315N		99	57800.13		150	112013	388179.334	6909459.474	
L315	58809.57		58819.3934						00315N		99	57652.94		160	111945	388184.84	6909467.95	
L315	58803.86		58813.6834			388187.039	6909473.52		00315N		99	57647.28		170	111922	388187.039	6909473.524	
L32	58383.06	15.4	58390.7025	27	-127	387753.2	6908866.07	-15.4	00032N	-4.1	99	57211.26	4.01	0	115410	387753.196	6908866.069	24.8
L32	58647.13	19.8	58654.7725	23	-60	387760.685	6908875.22	-19.8	00032N	-7	99	57475.66	3.96	10	115441	387756.613	6908877.6	24.8
L32	58630.45	17	58638.0925	9	-56	387767.449	6908883.49	-17	00032N	-3.6	99	57458.67	3.51	20	115511	387762.24	6908886.898	24.8
L32	58540.42	13.8	58548.0625	16	-41	387774.88	6908892.58	-13.8	00032N	-1.3	99	57368.36	2.73	30	115536	387772.498	6908893.006	24.8
L32	58593.08	9.5	58600.7225	11	-90	387780.318	6908899.22	-9.5	00032N	0.4	99	57420.87	2.81	40	115601	387778.4687	6908899.386	24.8
L32	58595.46	6.4	58603.1025	26	-113	387787.056	6908907.46	-6.4	00032N	0.6	99	57423.19	3.57	50	115623	387785.536	6908907.588	24.8
L32	58532.4	4.6	58540.0425	41	-111	387793.783	6908915.69	-4.6	00032N	1.8	99	57360.2	3.66	60	115644	387791.6587	6908916.496	24.8
L32	58591.98	3.6	58599.6225	34	-113	387799.215	6908922.33	-3.6	00032N	0.4	99	57419.42	3.64	70	115703	387796.258	6908923.912	24.8
L32	58726.71	2.3	58734.3525	40	-111	387805.594	6908930.13	-2.3	00032N	0.2	99	57554.09	3.66	80	115727	387802.6933	6908931.89	24.8
L32	58727.4	-0.3	58735.0425	42	-111	387812.546	6908938.63	0.3	00032N	0.8	99	57554.79	3.66	90	115749	387808.5847	6908941.381	24.8
L32	58780.42	3.1	58788.0625	13	97	387817.763	6908945.01	-3.1	00032N	0.6	99	57607.43	3.01	100	115817	387813.8933	6908947.867	24.8
L32	58653.69	6.8	58661.3325	29	111	387825.943	6908955.01	-6.8	00032N	-2.3	99	57480.65	3.55	110	115842	387824.2187	6908956.001	24.8
L32	58494.94	5.8	58502.5825	40	69	387830.936	6908961.11	-5.8	00032N	-5	99	57321.8	2.48	120	115904	387830.1443	6908961.408	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L32	58663.96	8.1	58671.6025	34	113	387838.513	6908970.37	-8.1	00032N	-1.8	99	57491.23	3.65	130	115932	387837.1293	6908971.379	24.8
L32	58710.87	6.1	58718.5125	15	109	387844.974	6908978.27	-6.1	00032N	1	99	57538.2	3.38	140	120000	387844.3699	6908978.82	24.8
L32	58474.15		58481.7925	63	127	387851.117	6908985.78	-15.5	00032N	2	99	57301.61	2.19	150	120033	387849.156	6908987.452	24.8
L32	58625.52	6.6	58633.1625	51	119	387856.153	6908991.94	-6.6	00032N	3.6	99	57452.89	4.01	160	120056	387853.7407	6908994.119	24.8
L32	58650.6	3.9	58658.2425	14	88	387862.208	6908999.34	-3.9	00032N	6.8	99	57477.94	2.76	170	120126	387860.8917	6909000.715	24.8
L32	58800.18	4.3	58807.8225	20	55	387868.31	6909006.8	-4.3	00032N	5.7	99	57627.66	1.81	180	120156	387867.6333	6909007.833	24.8
L32	58718.41	7.1	58726.0525	33	123	387875.309	6909015.36	-7.1	00032N	4.8	99	57546.02	3.94	190	120222	387873.8613	6909017.199	24.8
L32	58561.97	6.4	58569.6125	5	45	387880.978	6909022.29	-6.4	00032N	5.2	99	57389.65	2.83	200	120249	387879.36	6909024.459	24.8
L32	58433.14	4.1	58440.7825	15	115	387887.294	6909030.01	-4.1	00032N	4.4	99	57260.96	3.59	210	120312	387886.978	6909031.164	24.8
L32	58579	1	58586.6425	11	-99	387893.697	6909037.84	-1	00032N	-6.1	99	57406.68	3.07	220	120334	387892.82	6909039.633	24.8
L32	58690.71	-3.2	58698.3525	12	101	387899.676	6909045.15	3.2	00032N	9.9	99	57518.11	3.13	230	120358	387898.4247	6909047.435	24.8
L32	58458.11		58465.7525	15	-110	387907.545	6909054.77	-3.3	00032N	-10	99	57285.48	3.43	240	120528	387905.4457	6909057.95	24.8
L32	58441.09	-7.7	58448.7325	15	112	387912.137	6909060.39	7.7	00032N	10.1	99	57268.66	3.49	250	120551	387910.2463	6909063.554	24.8
L32	58406.36	-13.6	58414.0025	9	61	387918.899	6909068.65	13.6	00032N	4.3	99	57233.55	1.92	260	120614	387917.966	6909071.198	24.8
L32	58202.82	-4.3	58210.4625	30	124	387924.422	6909075.41	4.3	00032N	7.1	99	57029.81	3.94	270	120638	387923.2783	6909078.306	24.8
L32	58122.66	-4.8	58130.3025	17	65	387930.909	6909083.34	4.8	00032N	7.9	99	56949.47	4.14	280	120711	387931.59	6909084.596	24.8
L32	58034.36	-8.1	58042.0025	16	64	387938.592	6909092.73	8.1	00032N	8.7	99	56860.84	4.09	290	120757	387937.0307	6909095.678	24.8
L32	57952.23	-11.2	57959.8725	21	66	387942.697	6909097.75	11.2	00032N	9.8	99	56779.16	4.26	300	120844	387942.578	6909099.244	24.8
L32	58004.91	-9.7	58012.5525	31	61	387950.642	6909107.46	9.7	00032N	8.1	99	56831.46	4.26	310	121011	387951.7007	6909108.174	24.8
L32	58084.54	-11.4	58092.1825	8	60	387956.832	6909115.03	11.4	00032N	3.6	99	56911.28	3.74	320	121449	387957.085	6909116.536	24.8
L32	58142.53	16	58150.1725	34	-57	387963.466	6909123.14	-16	00032N	-5.2	99	56969.29	4.15	330	121519	387965.221	6909123.424	24.8
L32	58180.89	19.2	58188.5325	36	-54	387970.174	6909131.34	-19.2	00032N	-8	99	57007.56	4.02	340	121552	387968.5607	6909133.671	24.8
L32	58209.44	17.5	58217.0825	60	-33	387975.981	6909138.44	-17.5	00032N	-6.7	99	57036.11	4.23	350	121626	387975.013	6909140.412	24.8
L32	58231.39	16.8	58239.0325	47	-43	387982.466	6909146.37	-16.8	00032N	-6.5	99	57057.88	3.96	360	121704	387983.4283	6909146.555	24.8
L32	58246.51	16.1	58254.1525	89	-89	387988.17	6909153.35	-16.1	00032N	-6.2	99	57073.46	3.88	370	121805	387988.949	6909153.872	24.8
L32	58252.74	16.1	58260.3825	54	-103	387995.732	6909162.59	-16.1	00032N	-6.5	99	57079.5	3.57	380	121828	387997.694	6909162.307	24.8
L32	58262.41	15.4	58270.0525	42	-105	388000.351	6909168.24	-15.4	00032N	-8	99	57088.8	3.48	390	121850	388001.866	6909168.444	24.8
L32	58276.14		58283.7825	30	57	388006.902	6909176.25	14.6	00032N	4.4	99	57102.88	2	400	121947	388009.077	6909176.113	24.8
L32	58269.15	10.5	58276.7925	20	-96	388013.616	6909184.46	-10.5	00032N	-5.5	99	57095.91	3.04	410	122059	388015.1485	6909185.029	24.8
L32	58267.07	7	58274.7125	27	-54	388020.011	6909192.28	-7	00032N	-5.8	99	57093.87	1.88	420	122125	388022.36	6909192.35	24.8
L32	58259.16	6.6	58266.8025	43	-95	388027.222	6909201.09	-6.6	00032N	1.2	99	57085.65	3.21	430	122156	388030.558	6909200.536	24.8
L32	58255.78	-3.8	58263.4225	37	100	388031.752	6909206.63	3.8	00032N	-0.6	99	57081.83	3.28	440	122229	388032.823	6909207.454	24.8
L32	58251.82	-0.7	58259.4625	12	84	388039.279	6909215.83	0.7	00032N	-2.8	99	57078.15	2.61	450	122337	388037.7687	6909218.491	24.8
L32	58226.8	1.1	58234.4425	27	-102	388044.629	6909222.37	-1.1	00032N	6.4	99	57053.11	3.25	460	122413	388044.14	6909224.26	24.8
L32	58242.6	-0.8	58250.2425	56	-100	388051.58	6909230.87	0.8	00032N	6.9	99	57069.23	3.54	470	122442	388050.0467	6909233.739	24.8
L32	58399.36	-2.3	58407.0025	101	-73	388060.267	6909241.49	2.3	00032N	4.9	99	57225.91	3.86	480	122522	388061.961	6909241.012	24.8
L32	58370.01	-1.8	58377.6525	105	-70	388066.132	6909248.66	1.8	00032N	6.6	99	57196.55	3.89	490	122545	388062.7197	6909250.404	24.8
L32	59731.75	-3.2	59739.3925	31	-108	388072.692	6909256.68	3.2	00032N	6.8	99	58558.15	3.49	500	122622	388070.4063	6909257.617	24.8
L32	58605.36	-4.7	58613.0025	19	-105	388079.391	6909264.87	4.7	00032N	7.2	99	57431.73	3.3	510	122647	388077.4867	6909265.723	24.8
L32	59524.82	-7.2	59532.4625	50	-101	388085.704	6909272.59	7.2	00032N	8.5	99	58351.27	3.47	520	122712	388084.1213	6909273.397	24.8
L32	58210.21	-10.1	58217.8525	11	-86	388091.727	6909279.96	10.1	00032N	10.2	99	57036.5	2.69	530	122736	388090.9993	6909280.203	24.8
L32	58259.23	-9.1	58266.8725	36	-111	388097.518	6909287.04	9.1	00032N	9.1	99	57085.55	3.6	540	122760	388097.5037	6909286.859	24.8
L32	58975.49	-7.5	58983.1325	96	-87	388103.919	6909294.86	7.5	00032N	6.9	99	57801.75	4	550	122824	388102.7973	6909295.676	24.8
L32	58778.36	-8.9	58786.0025	25	-114	388108.678	6909300.68	8.9	00032N	7.6	99	57604.78	3.61	560	122849	388108.1527	6909301.133	24.8
L32	58133.07	-8.6	58140.7125	12	-94	388115.405	6909308.9	8.6	00032N	6.8	99	56959.33	2.92	570	122923	388114.6733	6909309.754	24.8
L32	58451.75	-6	58459.3925	43	-115	388123.285	6909318.54	6	00032N	4.6	99	57278.03	3.79	580	123008	388126.242	6909314.9	24.8
L32	58121.97		58129.6125	53	116	388146.794	6909347.28	-10.9	00032N	-2.7	99	56948.09	3.94	620	123519	388148.43	6909345.47	24.8
L32	56329.29	-6.9		45	-118	388153.916	6909355.99	6.9	00032N	6	99	55155.29	3.91	630	123613	388155.276	6909354.64	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L32	57832.85	-1.8	57840.4925	49	-117	388159.574	6909362.91	1.8	00032N	-0.3	99	56658.82	3.92	640	123647	388159.568	6909362.654	24.8
L32	57922	1.5	57929.6425	24	-117	388167.784	6909372.94	-1.5	00032N	-3.3	99	56748.07	3.68	650	123723	388165.1807	6909374.592	24.8
L32	58327.1	-2.3	58334.7425	11	101	388173.753	6909380.24	2.3	00032N	4.3	99	57153.18	3.13	660	123746	388173.7747	6909378.849	24.8
L32	58468.01	-4.3	58475.6525	9	-70	388180.746	6909388.79	4.3	00032N	2	99	57294.19	2.17	670	123809	388181.8803	6909386.63	24.8
L32	58257.09	-2.9	58264.7325	29	-117	388187.742	6909397.34	2.9	00032N	2.3	99	57083.25	3.72	680	123838	388187.873	6909396.14	24.8
L32	58449.55	-0.5	58457.1925	97	-91	388191.631	6909402.1	0.5	00032N	3	99	57275.69	4.13	690	123932	388192.8757	6909399.884	24.8
L32	58269.79	5.5	58277.4325	72	-108	388199.116	6909411.25	-5.5	00032N	-6.4	99	57095.01	4	700	124123	388202.6227	6909406.93	24.8
L32	58233.75		58241.3925	36	69	388205.256	6909418.76	1.8	00032N	15.3	99	57059.44	2.41	710	124233	388206.5457	6909415.982	24.8
L32	58351.42	7.2	58359.0625	50	-102	388212.037	6909427.05	-7.2	00032N	-10.8	99	57177.08	3.52	720	124322	388212.63	6909425.02	24.8
L32	58471.54	3.2	58479.1825	55	-99	388218.433	6909434.87	-3.2	00032N	-9.6	99	57297.35	3.51	730	124359	388218.8629	6909433.19	24.8
L32	58730.43	0.3	58738.0725	37	-103	388225.281	6909443.24	-0.3	00032N	-9.4	99	57556.16	3.39	740	124425	388227.7137	6909439.729	24.8
L32	58703.92	-1.6	58711.5625	45	-100	388231.048	6909450.29	1.6	00032N	-9.6	99	57529.46	3.38	750	124448	388233.1617	6909447.224	24.8
L32	58720.26	-4.6	58727.9025	43	-97	388236.461	6909456.91	4.6	00032N	-8.2	99	57545.66	3.26	760	124510	388238.5	6909454.09	24.8
L32	58554.31	-8.7	58561.9525	28	-99	388243.751	6909465.82	8.7	00032N	-7.7	99	57379.37	3.18	770	124536	388244.5593	6909464.115	24.8
L32	58368.78	-11.1	58376.4225	44	-95	388250.228	6909473.74	11.1	00032N	-5.9	99	57193.62	3.23	780	124610	388252.2753	6909471.099	24.8
L32	58388.79	-15.4	58396.4325	44	-98	388257.218	6909482.29	15.4	00032N	-3.5	99	57213.47	3.31	790	124642	388260.54	6909478.703	24.8
L32	58330.79	-19.7	58338.4325	32	-98	388262.643	6909488.92	19.7	00032N	-1.9	99	57155.68	3.18	800	124702	388265.1273	6909486.114	24.8
L32	58330.59	-21	58338.2325	45	-97	388268.551	6909496.14	21	00032N	1.4	99	57155.17	3.31	810	124727	388269.0223	6909494.772	24.8
L32	57916.31	-22.6	57923.9525	51	-102	388275.279	6909504.37	22.6	00032N	1.4	99	56740.87	3.52	820	124750	388275.719	6909503.259	24.8
L32	57748.77	-19.7	57756.4125	42	-104	388280.515	6909510.77	19.7	00032N	-2.6	99	56572.95	3.46	830	124815	388281.095	6909509.728	24.8
L32	57825.76	-15.3	57833.4025	22	-102	388285.307	6909516.63	15.3	00032N	-3.9	99	56649.56	3.21	840	124843	388286.2963	6909515.407	24.8
L32	57945.31	-15.6	57952.9525	81	-82	388293.756	6909526.96	15.6	00032N	1.7	99	56769.32	3.57	850	124954	388293.968	6909526.607	24.8
L32	57989.39	-18.2	57997.0325	81	-80	388299.05	6909533.43	18.2	00032N	3.6	99	56813.56	3.51	860	125032	388299.0467	6909533.43	24.8
L33	58346.08	-11.7	58353.7225	60	119	387825.23	6908805.98	11.7	00033N	6	99	57175.16	4.1	0	114720	387825.2297	6908805.985	24.8
L33	58350.19	-10.6	58357.8325	21	114	387833.263	6908815.65	10.6	00033N	7.6	99	57179.31	3.57	10	114649	387835.956	6908812.837	24.8
L33	58367.09	-11.3	58374.7325	44	120	387839.746	6908823.45	11.3	00033N	8.3	99	57196.3	3.95	20	114626	387842.207	6908820.987	24.8
L33	58449.51	-13	58457.1525	28	115	387847.494	6908832.78	13	00033N	14.2	99	57278.68	3.67	30	114601	387849.8693	6908830.58	24.8
L33	58575.17	-12.8	58582.8125	48	111	387852.21	6908838.45	12.8	00033N	12.1	99	57403.93	3.72	40	114530	387854.725	6908836.259	24.8
L33	58538.75	-9.8	58546.3925	29	111	387858.942	6908846.56	9.8	00033N	11.1	99	57367.55	3.55	50	114505	387861.2193	6908844.72	24.8
L33	58365.83	-6.4	58373.4725	31	111	387865.622	6908854.6	6.4	00033N	6.9	99	57194.84	3.56	60	114442	387868.173	6908852.698	24.8
L33	58298.37	-6.1	58306.0125	28	111	387871.778	6908862.01	6.1	00033N	7.2	99	57127.34	3.55	70	114415	387873.8653	6908860.62	24.8
L33	58395.65	-5.9	58403.2925	46	109	387878.568	6908870.18	5.9	00033N	8.7	99	57224.61	3.65	80	114350	387879.56	6908869.747	24.8
L33	58457.49	-4.1	58465.1325	25	113	387884.259	6908877.03	4.1	00033N	8.2	99	57286.75	3.56	90	114315	387886.186	6908875.863	24.8
L33	58482.16	-2.7	58489.8025	12	84	387891.226	6908885.41	2.7	00033N	7.7	99	57311.54	2.63	100	114233	387892.54	6908884.89	24.8
L33	58416.38	-0.9	58424.0225	50	-107	387897.242	6908892.65	0.9	00033N	-6.1	99	57246.18	3.65	110	114203	387900.318	6908890.4	24.8
L33	58337.5	-1.7	58345.1425	76	-98	387903.474	6908900.16	1.7	00033N	-4.5	99	57167.45	3.83	120	114140	387905.4613	6908898.829	24.8
L33	58386.65	-1.8	58394.2925	21	-98	387908.077	6908905.7	1.8	00033N	-4.3	99	57216.19	3.09	130	114108	387909.049	6908905.179	24.8
L33	58414.86	-3.2	58422.5025	33	-116	387915.566	6908914.71	3.2	00033N	-5.2	99	57244.23	3.72	140	114038	387918.074	6908912.882	24.8
L33	58778.84	-4.8	58786.4825	39	-97	387922.15	6908922.63	4.8	00033N	-4.8	99	57608.25	3.22	150	114013	387924.447	6908921.141	24.8
L33	58709.78		58717.4225	29	117	387928.758	6908930.59	-5.1	00033N	1.7	99	57539.23	3.72	160	113947	387931.2507	6908929.099	24.8
L33	58486.65	-6	58494.2925	46	-117	387934.997	6908938.1	6	00033N	-3.7	99	57316.18	3.89	170	113924	387937.388	6908936.848	24.8
L33	58496.11	-5.6	58503.7525	19	-110	387940.56	6908944.79	5.6	00033N	-6.3	99	57325.75	3.44	180	113857	387943.62	6908943.082	24.8
L33	58556.79	-4.5	58564.4325	23	-33	387947.133	6908952.7	4.5	00033N	-9.2	99	57386.8	2.51	190	113830	387949.6993	6908951.539	24.8
L33	58485.57	-1.8	58493.2125	28	124	387954.197	6908961.21	1.8	00033N	6.1	99	57315.59	3.91	200	113803	387956.048	6908960.755	24.8
L33	58483.35	-2.5	58490.9925	20	119	387960.094	6908968.3	2.5	00033N	5.3	99	57312.95	3.73	210	113739	387960.7597	6908968.824	24.8
L33	58748.7	-5.7	58756.3425	5	-37	387966.335	6908975.82	5.7	00033N	-10.6	99	57578.16	2.35	220	113716	387968.4593	6908975.029	24.8
L33	59075.54	-4.1	59083.1825	14	-57	387973.121	6908983.98	4.1	00033N	-4.9	99	57905	3.64	230	113654	387975.6087	6908983.059	24.8
L33	58835.6	-8	58843.2425	21	-58	387979.487	6908991.65	8	00033N	-2.2	99	57664.93	3.84	240	113629	387983.4507	6908989.404	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L33	58491.32	-9.8	58498.9625	25	-59	387986.827	6909000.48	9.8	00033N	2.9	99	57320.35	3.98	250	113600	387988.4551	6908999.901	24.8
L33	58367.47	-10.9	58375.1125	47	-124	387992.325	6909007.1	10.9	00033N	6.6	99	57196.91	4.09	260	113533	387993.615	6909006.92	24.8
L33	58294.61	-6.8	58302.2525	4	35	388000.158	6909016.52	6.8	00033N	-3	99	57124.71	2.18	270	113408	388002.192	6909015.89	24.8
L33	58188.7	12	58196.3425	20	-69	388005.719	6909023.22	-12	00033N	-9.1	99	57018.9	4.42	280	113327	388006.518	6909023.566	24.8
L33	58169.45	13.8	58177.0925	12	-96	388011.161	6909029.77	-13.8	00033N	-15.3	99	56999.6	2.99	290	113253	388013.622	6909028.453	24.8
L33	58163.12	14.9	58170.7625	17	-107	388017.761	6909037.71	-14.9	00033N	-14.2	99	56993.43	3.35	300	113226	388019.8827	6909036.829	24.8
L33	58185.83	16.8	58193.4725	39	-117	388023.761	6909044.93	-16.8	00033N	-9.6	99	57016.43	3.81	310	113205	388025.5833	6909044.437	24.8
L33	58186.12	17.9	58193.7625	39	-117	388029.439	6909051.77	-17.9	00033N	-11.6	99	57016.72	3.8	320	113142	388030.74	6909051.81	24.8
L33	58202.47	17.5	58210.1125	20	-97	388037.324	6909061.26	-17.5	00033N	-17.3	99	57032.9	3.07	330	113111	388038.157	6909061.862	24.8
L33	58208.61	18	58216.2525	35	-111	388043.711	6909068.95	-18	00033N	-10.5	99	57038.95	3.6	340	113048	388045.938	6909068.334	24.8
L33	58218.8	17.7	58226.4425	53	-105	388050.188	6909076.74	-17.7	00033N	-10.1	99	57049	3.65	350	113026	388052.1033	6909076.537	24.8
L33	58231.47		58239.1125	21	107	388055.748	6909083.43	22	00033N	0.9	99	57062.05	3.38	360	112944	388058.0943	6909082.996	24.8
L33	58238.83	14.3	58246.4725	34	-102	388062.557	6909091.63	-14.3	00033N	-11.5	99	57069.81	3.32	370	112846	388065.4283	6909090.907	24.8
L33	58249.72		58257.3625	22	106	388069.4	6909099.87	16.5	00033N	1.5	99	57080.89	3.36	380	112756	388070.95	6909100.24	24.8
L33	58260.29	10.8	58267.9325	23	-99	388075.926	6909107.72	-10.8	00033N	-7.3	99	57091.63	3.14	390	112711	388080.206	6909104.847	24.8
L33	58274.79	7.9	58282.4325	74	-88	388082.925	6909116.14	-7.9	00033N	-5.2	99	57106.49	3.55	400	112642	388085.8593	6909114.387	24.8
L33	58333.4	5.7	58341.0425	12	-73	388089.015	6909123.47	-5.7	00033N	-6.8	99	57165.06	2.28	410	112617	388092.4347	6909121.45	24.8
L33	58447.02	3.3	58454.6625	21	-97	388094.955	6909130.62	-3.3	00033N	-4	99	57279.1	3.06	420	112549	388099.172	6909128.021	24.8
L33	58212.41	0.8	58220.0525	44	-100	388102.11	6909139.24	-0.8	00033N	0	99	57044.81	3.38	430	112513	388104.39	6909138.086	24.8
L33	58237.13	-2	58244.7725	22	-84	388107.932	6909146.24	2	00033N	-1	99	57069.46	2.68	440	112445	388108.964	6909146.096	24.8
L33	58284.48	-3.8	58292.1225	46	-103	388114.878	6909154.6	3.8	00033N	1.9	99	57116.85	3.47	450	112420	388116.9107	6909153.71	24.8
L33	58316.66	-5.6	58324.3025	45	-104	388121.052	6909162.03	5.6	00033N	0	99	57149.12	3.49	460	112358	388124.191	6909160.245	24.8
L33	58336.87	-5.2	58344.5125	36	-88	388127.59	6909169.9	5.2	00033N	1.9	99	57169.2	2.94	470	112330	388128.947	6909169.447	24.8
L33	58375.18	-7.1	58382.8225	38	-106	388134.049	6909177.68	7.1	00033N	2	99	57207.45	3.48	480	112306	388136.4773	6909176.377	24.8
L33	58418.22	-7.5	58425.8625	36	-109	388140.245	6909185.13	7.5	00033N	2.6	99	57250.65	3.53	490	112239	388142.89	6909183.81	24.8
L33	58458.07	-9.7	58465.7125	28	-108	388145.983	6909192.04	9.7	00033N	3.1	99	57290.69	3.46	500	112215	388147.2673	6909191.779	24.8
L33	58472.63	-9.1	58480.2725	50	-109	388151.355	6909198.51	9.1	00033N	4.9	99	57305.26	3.69	510	112154	388152.302	6909198.642	24.8
L33	58473.22	-8	58480.8625	43	-86	388158.945	6909207.64	8	00033N	3.5	99	57305.95	2.99	520	112124	388160.5	6909207.44	24.8
L33	58489.55		58497.1925	9	64	388165.087	6909215.03	-3.7	00033N	1.1	99	57323.19	1.98	530	111836	388166.172	6909215.348	24.8
L33	58525.91	-5.6	58533.5525	23	-114	388169.985	6909220.93	5.6	00033N	0.7	99	57359.85	3.6	540	111812	388170.826	6909221.558	24.8
L33	58459.98	-5.6	58467.6225	48	-113	388177.857	6909230.4	5.6	00033N	1.2	99	57294.19	3.79	550	111745	388180.4357	6909229.51	24.8
L33	58493.56	-4.4	58501.2025	33	-120	388184.684	6909238.62	4.4	00033N	0.2	99	57327.68	3.85	560	111719	388186.653	6909238.362	24.8
L33	58477.96	-3.7	58485.6025	62	-111	388190.501	6909245.62	3.7	00033N	0.4	99	57312.08	3.93	570	111654	388192.7927	6909245.235	24.8
L33	58591.57	-2.9	58599.2125	52	-114	388197.383	6909253.91	2.9	00033N	2.2	99	57425.77	3.88	580	111630	388200.2667	6909253.175	24.8
L33	58785.36	-2.7	58793.0025	63	-116	388203.581	6909261.37	2.7	00033N	1	99	57619.47	4.08	590	111604	388206.233	6909260.975	24.8
L33	59241.42	-1.1	59249.0625	123	-127	388210.021	6909269.12	1.1	00033N	0.8	99	58075.85	2.73	600	111448	388211.328	6909269.816	24.8
L33	59503.33	-0.6	59510.9725	23	-118	388214.99	6909275.1	0.6	00033N	1.5	99	58337.74	3.72	610	111416	388216.3567	6909275.875	24.8
L33	59083.46	-1.8	59091.1025	44	-119	388222.07	6909283.62	1.8	00033N	-0.2	99	57917.74	3.93	620	111351	388224.9887	6909283.039	24.8
L33	58598.99	-0.4	58606.6325	49	-120	388228.316	6909291.14	0.4	00033N	-0.8	99	57433.24	4	630	111323	388231.028	6909290.878	24.8
L33	58389.85	2.4	58397.4925	55	-119	388235.074	6909299.27	-2.4	00033N	-3	99	57224.18	4.04	640	111255	388236.3027	6909300.197	24.8
L33	58124.89	4.7	58132.5325	9	-73	388241.471	6909306.97	-4.7	00033N	-7.3	99	56959.4	2.26	650	111225	388241.539	6909308.874	24.8
L33	58260.68	9	58268.3225	18	-114	388248.041	6909314.88	-9	00033N	-7.8	99	57095.34	3.57	660	111158	388248.7017	6909316.428	24.8
L33	58248.8	9.8	58256.4425	11	-100	388254.217	6909322.31	-9.8	00033N	-6.7	99	57083.47	3.1	670	111132	388256.155	6909322.77	24.8
L33	58679.35		58686.9925	10	76	388260.662	6909330.07	13.6	00033N	7.8	99	57514.21	2.36	680	111060	388262.7208	6909330.591	24.8
L33	58822.98	9.1	58830.6225	27	-113	388265.783	6909336.23	-9.1	00033N	-8.3	99	57657.11	3.59	690	111039	388268.88	6909335.872	24.8
L33	58907.34	6.6	58914.9825	20	-107	388272.502	6909344.32	-6.6	00033N	-7.3	99	57741.23	3.34	700	111012	388274.6487	6909344.819	24.8
L33	58541.29	3.9	58548.9325	43	-106	388279.104	6909352.27	-3.9	00033N	-5.3	99	57375.22	3.53	710	110945	388282.7257	6909351.468	24.8
L33	58302.21	2.9	58309.8525	50	-105	388285.68	6909360.18	-2.9	00033N	-4.3	99	57136.17	3.61	720	110921	388289.112	6909359.701	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L33	58266.09	3.6	58273.7325	63	-101	388291.661	6909367.38	-3.6	00033N	-5	99	57099.91	3.68	730	110852	388294.121	6909367.745	24.8
L33	58511.88	4.2	58519.5225	32	-106	388298.297	6909375.37	-4.2	00033N	-7	99	57345	3.43	740	110811	388301.7613	6909374.969	24.8
L33	58293.03	1.2	58300.6725	32	-104	388304.892	6909383.3	-1.2	00033N	-8.3	99	57126.73	3.36	750	110731	388308.758	6909382.73	24.8
L33	58506.39	-1.2	58514.0325	43	-103	388310.996	6909390.65	1.2	00033N	-7.8	99	57340.32	3.45	760	110705	388311.402	6909392.032	24.8
L33	58222.04	-2.6	58229.6825	56	-96	388318.062	6909399.16	2.6	00033N	-5.7	99	57056.04	3.44	770	110632	388316.59	6909401.954	24.8
L33	58319.34	-2.4	58326.9825	43	-75	388325.26	6909407.82	2.4	00033N	-7.1	99	57153.45	2.68	780	110545	388327.3303	6909405.79	24.8
L33	58473.91	-3.3	58481.5525	35	-101	388333.089	6909417.24	3.3	00033N	-8.7	99	57308.05	3.29	790	110424	388336.626	6909414.002	24.8
L33	58252.07	-6.7	58259.7125	27	-102	388339.707	6909425.21	6.7	00033N	-8	99	57086.46	3.25	800	110351	388340.9633	6909423.55	24.8
L33	58217.7	-8.6	58225.3425	19	-98	388345.958	6909432.73	8.6	00033N	-7.5	99	57051.61	3.07	810	110319	388346.626	6909431.675	24.8
L33	58100.79	-9.7	58108.4325	17	-94	388352.717	6909440.87	9.7	00033N	-9.2	99	56934.39	2.95	820	110241	388352.776	6909440.443	24.8
L33	57994.39	-13.8	58002.0325	64	-90	388358.621	6909447.97	13.8	00033N	-6.4	99	56828.57	3.41	830	110210	388359.614	6909446.825	24.8
L33	57786.37	-16	57794.0125	21	-75	388364.219	6909454.71	16	00033N	-7	99	56620.78	2.4	840	110140	388365.03	6909453.851	24.8
L33	57860.65	16.1	57868.2925	16	74	388370.2	6909461.91	-16.1	00033N	-9.1	99	56695.05	2.34	850	110102	388370.5	6909461.587	24.8
L33	57949.49	15.3	57957.1325	87	68	388373.837	6909466.29	-15.3	00033N	-4.3	99	56783.77	3.42	860	110009	388373.8367	6909466.287	24.8
L4	58006.84	-3.3	58029.9505	50	116	385587.43	6910646.38	-3.3	00004N	-3	99	56836.83	3.91	0	132621	385587.432	6910646.382	24.8
L4	57999.62	-2	58022.7305	54	116	385593.534	6910653.82	-2	00004N	-2.1	99	56829.63	3.96	10	132558	385593.2947	6910654.293	24.8
L4	58049.23	0.4	58072.3405	57	109	385598.765	6910660.2	0.4	00004N	-1.8	99	56879.29	3.79	20	132534	385600.492	6910658.701	24.8
L4	58085.3	0.2	58108.4105	56	107	385604.232	6910666.87	0.2	00004N	-1.5	99	56915.4	3.74	30	132509	385606.565	6910665.098	24.8
L4	58197.55	-0.3	58220.6605	49	106	385613.849	6910678.6	-0.3	00004N	-3.9	99	57027.61	3.62	40	132441	385616.821	6910676.739	24.8
L4	58240.67	-4.4	58263.7805	47	45	385620.086	6910686.21	-4.4	00004N	-4.8	99	57072.22	4.01	50	124135	385620.123	6910686.244	24.8
L4	58239.56	-6.5	58262.6705	0	59	385626.685	6910694.26	-6.5	00004N	-7.2	99	57071.18	3.68	60	124049	385629.8083	6910690.664	24.8
L4	58199.95	-7.3	58223.0605	13	61	385632.765	6910701.67	-7.3	00004N	-7.2	99	57031.66	3.85	70	124026	385633.462	6910699.768	24.8
L4	58196.61	-7.5	58219.7205	27	55	385639.412	6910709.78	-7.5	00004N	-7.6	99	57028.31	3.83	80	124005	385638.6393	6910709.158	24.8
L4	58211.92	-7.7	58235.0305	27	58	385645.107	6910716.73	-7.7	00004N	-7.2	99	57043.61	3.95	90	123946	385646.0183	6910714.633	24.8
L4	58091.18	-5.5	58114.2905	35	57	385651.635	6910724.69	-5.5	00004N	-4.8	99	56923.08	4.12	100	123921	385653.928	6910721.586	24.8
L4	58050.79	-5.2	58073.9005	17	60	385656.95	6910731.17	-5.2	00004N	-3	99	56882.71	3.88	110	123900	385660.4433	6910727.16	24.8
L4	58024.08	-5.1	58047.1905	8	62	385664.073	6910739.86	-5.1	00004N	-2.8	99	56856.13	3.85	120	123830	385666.0367	6910737.2	24.8
L4	58014.47	-3.4	58037.5805	38	53	385671.778	6910749.26	-3.4	00004N	-3	99	56846.6	4.07	130	123754	385671.35	6910748.438	24.8
L4	58026.4	-4.6	58049.5105	12	60	385678.088	6910756.95	-4.6	00004N	-2	99	56859	3.81	140	123646	385678.164	6910756	24.8
L4	58029.53	-5.7	58052.6405	17	59	385683.583	6910763.65	-5.7	00004N	-2.9	99	56862.28	3.8	150	123615	385682.283	6910763.851	24.8
L4	58010.73	-4.9	58033.8405	12	61	385690.083	6910771.58	-4.9	00004N	-3.3	99	56843.69	3.86	160	123548	385689.04	6910771.87	24.8
L4	58003.29	-5	58026.4005	22	58	385696.005	6910778.8	-5	00004N	-3.5	99	56836.42	3.88	170	123520	385693.9887	6910780.042	24.8
L4	58029.73	-4.1	58052.8405	24	59	385702.519	6910786.75	-4.1	00004N	-2.2	99	56862.95	3.92	180	123456	385702.294	6910786.482	24.8
L4	58043.38	-2.4	58066.4905	30	57	385709.534	6910795.3	-2.4	00004N	-0.5	99	56876.72	3.97	190	123423	385709.6047	6910795.12	24.8
L4	58047.85	-3	58070.9605	23	59	385715.013	6910801.99	-3	00004N	-0.8	99	56881.43	3.92	200	123349	385715.8947	6910801.331	24.8
L4	58026.65	-3.3	58049.7605	8	60	385721.348	6910809.71	-3.3	00004N	0	99	56860.38	3.76	210	123316	385723.26	6910808.418	24.8
L4	58035.22	0.1	58058.3305	60	36	385728.029	6910817.86	0.1	00004N	1.9	99	56869.68	4.34	220	123049	385728.8593	6910817.628	24.8
L4	58013.27	-1.2	58036.3805	31	56	385734.3	6910825.51	-1.2	00004N	2.2	99	56847.96	3.96	230	123014	385733.8383	6910826.435	24.8
L4	58031.42	-1.7	58054.5305	18	58	385740.22	6910832.73	-1.7	00004N	1.9	99	56866.27	3.77	240	122942	385740.952	6910832.808	24.8
L4	58062.84	-2.2	58085.9505	0	60	385746.367	6910840.23	-2.2	00004N	2	99	56897.78	3.69	250	122918	385746.8943	6910840.746	24.8
L4	58129.08	0	58152.1905	18	57	385753.123	6910848.47	0	00004N	3.3	99	56964.22	3.72	260	122756	385754.472	6910848.582	24.8
L4	58180.36	-1.1	58203.4705	12	57	385758.852	6910855.45	-1.1	00004N	2.3	99	57016.71	3.58	270	122242	385759.81	6910856.127	24.8
L4	58005.76	-5.2	58028.8705	0	56	385767.185	6910865.62	-5.2	00004N	0.9	99	56842.14	3.45	280	122158	385768.5153	6910866.371	24.8
L4	57810.51	-6.1	57833.6205	5	55	385771.41	6910870.77	-6.1	00004N	0.6	99	56647.02	3.42	290	122109	385774.832	6910868.932	24.8
L4	57905.7	-10.5	57928.8105	-20	52	385778.178	6910879.02	-10.5	00004N	-3.8	99	56742.45	3.47	300	122020	385781.0013	6910877.941	24.8
L4	57905.58	-12.6	57928.6905	9	53	385784.322	6910886.52	-12.6	00004N	-6	99	56742.76	3.36	310	121848	385785.0567	6910886.987	24.8
L4	58000.77	-11.5	58023.8805	-1	51	385791.961	6910895.83	-11.5	00004N	-8.8	99	56837.99	3.18	320	121760	385791.7854	6910897.311	24.8
L4	58016.51	-16.9	58039.6205	-26	50	385799.414	6910904.93	-16.9	00004N	-10	99	56853.93	3.53	330	121650	385803.671	6910899.136	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L4	58061.76	-20.1	58084.8705	-4	56	385806.53	6910913.6	-20.1	00004N	-11.5	99	56899.58	3.51	340	121555	385807.4393	6910909.98	24.8
L4	58050.01	-20.9	58073.1205	-21	55	385811.919	6910920.18	-20.9	00004N	-13.4	99	56888.04	3.64	350	121521	385812.368	6910917.142	24.8
L4	58078.96	-22.6	58102.0704	9	57	385817.69	6910927.22	-22.6	00004N	-15.2	99	56917.06	3.59	360	121459	385818.801	6910923.873	24.8
L4	58099.44	-21.5	58122.5505	10	61	385824.55	6910935.58	-21.5	00004N	-10.2	99	56937.42	3.83	370	121424	385826.764	6910931.558	24.8
L4	58115.3	-15.9	58138.4105	3	63	385830.574	6910942.93	-15.9	00004N	-6.8	99	56953.3	3.89	380	121351	385831.364	6910940.12	24.8
L4	58105.3	-12.6	58128.4105	19	62	385836.291	6910949.9	-12.6	00004N	-2.5	99	56943.27	4.05	390	121328	385839.108	6910945.127	24.8
L4	58079.77	-7.1	58102.8805	4	65	385842.696	6910957.71	-7.1	00004N	3	99	56917.7	4.02	400	121309	385846.7743	6910952.057	24.8
L4	58068.26	0.6	58091.3705	21	61	385849.417	6910965.91	0.6	00004N	8.8	99	56906.11	3.98	410	121245	385851.335	6910961.895	24.8
L4	58044.42	2.2	58067.5305	10	60	385854.455	6910972.06	2.2	00004N	12.6	99	56882.47	3.76	420	121219	385856.3027	6910968.328	24.8
L4	58037.85	-1.5	58060.9605	5	59	385860.725	6910979.7	-1.5	00004N	8.7	99	56876.06	3.66	430	121155	385863.3767	6910975.557	24.8
L4	58057.38	-4.3	58080.4905	-8	60	385868.121	6910988.72	-4.3	00004N	6	99	56895.76	3.74	440	121134	385869.859	6910985.576	24.8
L4	58060.28	-3.8	58083.3905	14	59	385874.873	6910996.96	-3.8	00004N	4.8	99	56898.83	3.75	450	121057	385875.9673	6910994.595	24.8
L4	58055.02	-5	58078.1305	7	59	385880.756	6911004.13	-5	00004N	4.1	99	56893.61	3.69	460	121031	385879.4547	6911003.422	24.8
L4	58103.1	-7.9	58126.2105	19	59	385887.804	6911012.73	-7.9	00004N	2.2	99	56941.77	3.82	470	121010	385884.3967	6911013.662	24.8
L4	58119.21	-4.9	58142.3204	34	54	385894.169	6911020.49	-4.9	00004N	0.6	99	56957.94	3.92	480	120946	385891.8017	6911020.777	24.8
L4	58152.68	-3.9	58175.7905	30	56	385900.688	6911028.44	-3.9	00004N	1.2	99	56991.32	3.92	490	120924	385899.5617	6911027.876	24.8
L4	58173.49	-1.2	58196.6005	36	53	385907.808	6911037.13	-1.2	00004N	4	99	57012	4	500	120859	385908.7242	6911034.803	24.8
L4	58161.3	-2.1	58184.4105	25	57	385912.536	6911042.89	-2.1	00004N	4.7	99	56999.77	3.87	510	120838	385912.16	6911041.613	24.8
L4	58143.86	-2.1	58166.9705	20	58	385917.784	6911049.29	-2.1	00004N	5.2	99	56982.38	3.79	520	120818	385918.509	6911047.214	24.8
L4	58092.16	-2.8	58115.2705	12	58	385925.23	6911058.38	-2.8	00004N	5.5	99	56930.78	3.69	530	120752	385926.4507	6911056.228	24.8
L4	58085.01	-2.3	58108.1205	26	56	385931.531	6911066.06	-2.3	00004N	4.8	99	56923.71	3.81	540	120722	385932.111	6911064.672	24.8
L4	58077.03	-2.5	58100.1405	29	53	385937.341	6911073.15	-2.5	00004N	4.9	99	56915.75	3.79	550	120655	385937.462	6911072.367	24.8
L4	58069.71	-3.2	58092.8204	26	56	385944.108	6911081.4	-3.2	00004N	4.7	99	56908.42	3.82	560	120632	385944.738	6911080.506	24.8
L4	58070.7	-5.2	58093.8105	22	58	385951.764	6911090.74	-5.2	00004N	3.8	99	56909.46	3.83	570	120551	385952.4433	6911090.16	24.8
L4	58074.19	-4.6	58097.3005	25	58	385957.071	6911097.21	-4.6	00004N	3.7	99	56912.87	3.91	580	120511	385959.0933	6911095.552	24.8
L4	58074.07	-6.3	58097.1805	11	61	385962.596	6911103.95	-6.3	00004N	4.1	99	56912.7	3.83	590	120452	385962.5873	6911103.752	24.8
L4	58084	-4.3	58107.1105	22	59	385969.466	6911112.33	-4.3	00004N	4.6	99	56922.53	3.9	600	120428	385971.368	6911110.517	24.8
L4	58086.98	-3.4	58110.0905	26	57	385976.154	6911120.48	-3.4	00004N	4.8	99	56925.58	3.89	610	120408	385974.12	6911120.95	24.8
L4	58078.54	-1	58101.6505	27	58	385981.902	6911127.5	-1	00004N	6.9	99	56917.22	3.95	620	120346	385980.466	6911127.712	24.8
L4	58096.43	1.4	58119.5405	32	54	385989.21	6911136.41	1.4	00004N	9.2	99	56935.26	3.91	630	120322	385988.8657	6911135.984	24.8
L4	58088.01	1.4	58111.1205	25	56	385995.993	6911144.68	1.4	00004N	9.8	99	56926.9	3.81	640	120253	385996.8743	6911143.443	24.8
L4	58089.65	-1.2	58112.7605	20	56	386001.748	6911151.7	-1.2	00004N	8.5	99	56928.54	3.71	650	120154	386003.709	6911149.727	24.8
L4	58062.9	-3.1	58086.0105	27	53	386008.725	6911160.21	-3.1	00004N	7.3	99	56901.69	3.71	660	120126	386011.398	6911157.947	24.8
L4	58060.06	-6.2	58083.1705	13	57	386013.649	6911166.21	-6.2	00004N	5.9	99	56898.69	3.62	670	120106	386014.208	6911165.377	24.8
L4	58064.17	-8.2	58087.2805	0	59	386020.519	6911174.59	-8.2	00004N	4.3	99	56902.58	3.62	680	120021	386023.3433	6911171.653	24.8
L4	58094.1	-9.5	58117.2105	0	59	386026.044	6911181.33	-9.5	00004N	4.3	99	56932.55	3.67	690	115959	386030.52	6911176.94	24.8
L4	58080.01	-10.2	58103.1205	16	57	386032.883	6911189.67	-10.2	00004N	3.8	99	56918.44	3.69	700	115931	386035.132	6911186.964	24.8
L4	58059.32	-12.6	58082.4305	5	61	386039.636	6911197.91	-12.6	00004N	2.9	99	56897.84	3.79	710	115905	386044.227	6911192.959	24.8
L4	58063.07	-10.9	58086.1805	21	60	386045.93	6911205.59	-10.9	00004N	3.4	99	56901.6	3.92	720	115836	386048.028	6911202.376	24.8
L4	58063.08	-8.7	58086.1905	14	61	386051.815	6911212.76	-8.7	00004N	3.7	99	56901.63	3.9	730	115807	386052.2887	6911210.861	24.8
L4	58054.2	-6.8	58077.3105	12	63	386059.156	6911221.72	-6.8	00004N	3.4	99	56892.79	3.99	740	115741	386059.736	6911220.069	24.8
L4	58106.71	-1.2	58129.8204	24	64	386064.621	6911228.38	-1.2	00004N	3.7	99	56945.31	4.22	750	115721	386064.728	6911227.337	24.8
L4	58119.99	4.9	58143.1005	23	65	386070.624	6911235.7	4.9	00004N	5.3	99	56958.61	4.27	760	115703	386072.6453	6911232.915	24.8
L4	58103.76	10.6	58126.8705	13	65	386077.552	6911244.15	10.6	00004N	8.6	99	56942.49	4.1	770	115639	386077.776	6911242.844	24.8
L4	58108.35	13	58131.4605	27	60	386085.133	6911253.4	13	00004N	8.5	99	56947.31	4.08	780	115603	386086.112	6911251.794	24.8
L4	58099.3	15.5	58122.4105	7	60	386091.95	6911261.71	15.5	00004N	10.7	99	56938.44	3.73	790	115516	386092.3733	6911260.837	24.8
L4	58099.73	14.6	58122.8405	10	58	386096.525	6911267.29	14.6	00004N	10.8	99	56938.67	3.66	800	115405	386098.492	6911264.962	24.8
L4	58101.02	10.6	58124.1305	21	53	386104.165	6911276.61	10.6	00004N	9.2	99	56939.91	3.55	810	115318	386104.2773	6911275.846	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L4	58092.35	5	58115.4605	20	52	386109.011	6911282.52	5	00004N	6.6	99	56931.12	3.46	820	115230	386110.4233	6911280.679	24.8
L4	58115.81	0.3	58138.9205	6	55	386115.85	6911290.86	0.3	00004N	4.3	99	56954.52	3.4	830	115127	386117.358	6911289.261	24.8
L4	58113.17	-0.4	58136.2805	25	52	386119.382	6911295.17	-0.4	00004N	3.3	99	56951.93	3.57	840	115059	386121.1215	6911293.538	24.8
L4	58100.9	0.5	58124.0105	22	54	386127.295	6911304.82	0.5	00004N	2.8	99	56939.61	3.6	850	115031	386129.92	6911302.79	24.8
L4	58109.37	-6.2	58132.4805	12	55	386135.957	6911315.39	-6.2	00004N	2.1	99	56947.93	3.5	860	115005	386135.9627	6911315.39	24.8
L5	58409.21	-12.7	58432.3204	10	123	385665.9	6910585.52	-12.7	00005N	-11.8	99	57239.36	3.82	0	133944	385665.8977	6910585.516	24.8
L5	58301.07	-17.2	58324.1805	23	58	385671.881	6910592.77	-17.2	00005N	-13.9	99	57131.28	3.89	10	134014	385672.0953	6910592.84	24.8
L5	58162.61	-17.5	58185.7205	18	61	385679.057	6910601.46	-17.5	00005N	-14.4	99	56992.8	3.92	20	134100	385678.0689	6910602.677	24.8
L5	58059.3	-14	58082.4105	3	66	385685.956	6910609.82	-14	00005N	-10.7	99	56889.47	4.11	30	134128	385685.4117	6910610.956	24.8
L5	58081.85	-9.6	58104.9605	3	65	385691.357	6910616.36	-9.6	00005N	-6.8	99	56912.08	4.01	40	134159	385692.4326	6910616.032	24.8
L5	58334.07	-8.1	58357.1805	2	64	385697.265	6910623.52	-8.1	00005N	-5.7	99	57164.25	3.99	50	134218	385697.2073	6910624.218	24.8
L5	58134.22	-9.1	58157.3305	0	65	385705.244	6910633.19	-9.1	00005N	-6.2	99	56964.43	4.01	60	134243	385706.022	6910633.496	24.8
L5	58056.06	-10.2	58079.1705	11	63	385711.883	6910641.23	-10.2	00005N	-7.7	99	56886.33	3.93	70	134302	385708.3327	6910643.891	24.8
L5	58052.26	-7.8	58075.3705	-10	64	385716.938	6910647.35	-7.8	00005N	-6.6	99	56882.48	4.04	80	134325	385714.05	6910649.64	24.8
L5	58079.51	-6.4	58102.6205	-9	63	385722.197	6910653.72	-6.4	00005N	-6.1	99	56909.74	3.95	90	134355	385718.695	6910656.682	24.8
L5	58137.66	-6.6	58160.7705	6	63	385728.272	6910661.08	-6.6	00005N	-5.5	99	56967.89	3.91	100	134440	385725.77	6910663.381	24.8
L5	58087.14	-7	58110.2505	14	60	385735.629	6910670	-7	00005N	-5.7	99	56917.36	3.84	110	134503	385732.666	6910672.958	24.8
L5	58060.69	-6.9	58083.8005	39	53	385742.563	6910678.4	-6.9	00005N	-5.4	99	56890.94	4.04	120	134543	385740.2843	6910681.062	24.8
L5	58058.79	-7.3	58081.9005	18	60	385747.957	6910684.93	-7.3	00005N	-6.4	99	56889.02	3.86	130	134613	385747.72	6910685.483	24.8
L5	58054.61	-9.9	58077.7205	32	55	385755.795	6910694.43	-9.9	00005N	-5.7	99	56884.83	3.96	140	134638	385755.766	6910695.144	24.8
L5	58033.81	-7.6	58056.9205	4	63	385761.834	6910701.74	-7.6	00005N	-4.8	99	56864.05	3.89	150	134701	385762.8513	6910701.749	24.8
L5	58048.64	-6.1	58071.7505	11	61	385767.498	6910708.61	-6.1	00005N	-3.4	99	56878.89	3.84	160	134722	385766.8913	6910709.885	24.8
L5	58044.11	-7.1	58067.2205	11	60	385773.442	6910715.81	-7.1	00005N	-4	99	56874.31	3.8	170	134749	385773.1983	6910717.037	24.8
L5	58016.15	-6.8	58039.2605	30	59	385779.913	6910723.65	-6.8	00005N	-4.1	99	56846.34	4.07	180	134818	385780.415	6910724.495	24.8
L5	58021.12	-6.9	58044.2305	31	55	385785.304	6910730.18	-6.9	00005N	-3.6	99	56851.21	3.96	190	134842	385787.6647	6910729.211	24.8
L5	58028.55	-5.7	58051.6605	11	61	385793.241	6910739.79	-5.7	00005N	-2.2	99	56858.66	3.87	200	134914	385794.4643	6910739.973	24.8
L5	58025.63	-6	58048.7405	34	54	385799.201	6910747.01	-6	00005N	-1.6	99	56855.76	3.97	210	134937	385799.908	6910747.832	24.8
L5	58014.07	-4.1	58037.1805	23	58	385805.101	6910754.16	-4.1	00005N	-0.9	99	56844.18	3.86	220	134960	385806.7827	6910754.334	24.8
L5	58011.96	-2.3	58035.0704	20	60	385811.21	6910761.56	-2.3	00005N	1.3	99	56842.02	3.93	230	135020	385812.8407	6910762.037	24.8
L5	58017.7	-1.5	58040.8105	19	59	385817.176	6910768.79	-1.5	00005N	3	99	56847.73	3.87	240	135043	385820.065	6910768.312	24.8
L5	58016.3	0	58039.4105	0	62	385822.349	6910775.06	0	00005N	3.6	99	56846.3	3.82	250	135111	385823.8767	6910775.681	24.8
L5	58021.63	2.4	58044.7405	-11	61	385829.834	6910784.13	2.4	00005N	5.6	99	56851.62	3.84	260	135145	385833.9403	6910782.229	24.8
L5	58021.38	1.8	58044.4905	-7	58	385836.577	6910792.29	1.8	00005N	5.2	99	56851.36	3.64	270	135211	385838.476	6910792.047	24.8
L5	58024.15	-0.3	58047.2605	-11	58	385842.228	6910799.14	-0.3	00005N	3.9	99	56854.21	3.64	280	135242	385844.455	6910798.86	24.8
L5	58037.48	-0.7	58060.5905	-1	57	385849.994	6910808.55	-0.7	00005N	2.5	99	56867.63	3.53	290	135306	385851.5613	6910809.091	24.8
L5	58063.91	-1.4	58087.0205	0	57	385856.188	6910816.05	-1.4	00005N	2.4	99	56894.09	3.52	300	135325	385858.0253	6910816.635	24.8
L5	58088.86	-1.2	58111.9705	-7	56	385862.153	6910823.28	-1.2	00005N	2.6	99	56919.08	3.51	310	135344	385863.178	6910824.698	24.8
L5	58100.27	-1.2	58123.3805	-1	56	385867.383	6910829.62	-1.2	00005N	2.2	99	56930.6	3.45	320	135406	385869.4883	6910830.225	24.8
L5	58108.18	-2	58131.2905	-21	52	385874.424	6910838.15	-2	00005N	1.5	99	56938.53	3.48	330	135434	385875.7187	6910839.644	24.8
L5	57993.53	-5.9	58016.6405	-47	37	385881.509	6910846.73	-5.9	00005N	-1.2	99	56823.87	3.7	340	135502	385881.9707	6910849.135	24.8
L5	57832.59	-9.8	57855.7005	-15	106	385887.355	6910853.81	-9.8	00005N	-3.9	99	56662.98	3.3	350	135547	385890.816	6910852.244	24.8
L5	57966.78	-18	57989.8905	21	100	385894.095	6910861.98	-18	00005N	-8.7	99	56797.82	3.16	360	135739	385894.039	6910862.564	24.8
L5	57996.47	-18.9	58019.5805	-44	102	385902.446	6910872.1	-18.9	00005N	-11.3	99	56827.59	3.43	370	135835	385902.132	6910873.237	24.8
L5	57964.58	-19.2	57987.6905	-33	107	385908.481	6910879.41	-19.2	00005N	-8.1	99	56795.93	3.46	380	140000	385909.9899	6910878.89	24.8
L5	58154.83	-16.9	58177.9405	-26	113	385913.243	6910885.18	-16.9	00005N	-6.3	99	56986.24	3.59	390	140044	385912.1267	6910886.223	24.8
L5	58071.96	-17.9	58095.0704	23	110	385941.545	6910919.46	-17.9	00005N	-9.4	99	56904.35	3.46	430	140439	385938.846	6910922.924	24.8
L5	58103.14	-22.5	58126.2505	20	108	385946.62	6910925.61	-22.5	00005N	-11.6	99	56935.57	3.39	440	140505	385945.4617	6910927.665	24.8
L5	58070.59	-19.7	58093.7005	8	116	385952.536	6910932.78	-19.7	00005N	-12.7	99	56903.12	3.6	450	140529	385950.6883	6910935.585	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L5	58053.78	-15.1	58076.8905	12	114	385958.881	6910940.47	-15.1	00005N	-7.5	99	56886.34	3.54	460	140619	385957.9227	6910942.744	24.8
L5	58058.5	-11.9	58081.6105	32	116	385965.18	6910948.1	-11.9	00005N	-3.7	99	56891.1	3.71	470	140644	385963.666	6910951.057	24.8
L5	58058.76	-8.2	58081.8705	0	117	385971.561	6910955.83	-8.2	00005N	0.5	99	56891.63	3.62	480	140752	385972.1873	6910956.725	24.8
L5	58064.43	-9.8	58087.5405	6	120	385978.609	6910964.37	-9.8	00005N	0.2	99	56897.48	3.71	490	140917	385977.578	6910966.662	24.8
L5	58067.43	-10.8	58090.5405	25	112	385982.705	6910969.33	-10.8	00005N	-1.6	99	56900.57	3.55	500	140949	385983.483	6910969.543	24.8
L5	58072.08	-13.6	58095.1905	0	113	385990.994	6910979.37	-13.6	00005N	-2.6	99	56905.95	3.49	510	141349	385993.1793	6910978.639	24.8
L5	58079.6	-13.8	58102.7105	-58	89	385997.197	6910986.89	-13.8	00005N	-2.9	99	56913.51	3.29	520	141421	385996.525	6910988.01	24.8
L5	58089.27	-17.9	58112.3805	12	115	386004.889	6910996.2	-17.9	00005N	-4.2	99	56923.51	3.56	530	141611	386005.2273	6910996.754	24.8
L5	58101.04	-19.4	58124.1505	26	115	386010.779	6911003.34	-19.4	00005N	-5.1	99	56935.35	3.64	540	141632	386010.3073	6911004.721	24.8
L5	58098.93	-20.5	58122.0405	46	111	386015.115	6911008.59	-20.5	00005N	-6	99	56933.24	3.72	550	141653	386015.362	6911009.498	24.8
L5	58094.41	-21.3	58117.5205	64	108	386020.934	6911015.64	-21.3	00005N	-6.1	99	56928.78	3.87	560	141735	386023.4717	6911014.117	24.8
L5	58091.67	-19	58114.7805	15	122	386027.451	6911023.54	-19	00005N	-5.6	99	56926.06	3.79	570	141803	386028.875	6911023.065	24.8
L5	58081.68	-17.5	58104.7905	24	58	386033.42	6911030.77	-17.5	00005N	-4.2	99	56916.19	3.88	580	141839	386034.816	6911030.574	24.8
L5	58077.92	-11.4	58101.0305	-18	61	386041.394	6911040.43	-11.4	00005N	-1	99	56912.47	3.97	590	141931	386042.1407	6911041.058	24.8
L5	58070.26	-8.7	58093.3705	39	51	386047.181	6911047.44	-8.7	00005N	2.1	99	56904.82	3.97	600	141959	386049.2339	6911047.045	24.8
L5	58052.9	-7.3	58076.0105	-6	62	386052.829	6911054.28	-7.3	00005N	2.6	99	56887.38	3.86	610	142052	386055.499	6911053.59	24.8
L5	58051.99	-4.9	58075.1005	-30	57	386060.042	6911063.02	-4.9	00005N	5.1	99	56886.5	4.01	620	142125	386058.6553	6911064.721	24.8
L5	58041.92	-5.1	58065.0305	-2	61	386066.612	6911070.98	-5.1	00005N	4.8	99	56876.44	3.76	630	142158	386067.109	6911071.012	24.8
L5	58070.18	-6.4	58093.2905	-9	59	386073.507	6911079.34	-6.4	00005N	3.9	99	56906.35	3.69	640	143117	386072.802	6911080.494	24.8
L5	58066.12	-8.8	58089.2305	12	58	386080.999	6911088.41	-8.8	00005N	4	99	56903.39	3.66	650	143426	386080.0187	6911090.102	24.8
L5	58062.73	-10.6	58085.8405	21	55	386088.285	6911097.24	-10.6	00005N	2.7	99	56900.14	3.67	660	143512	386086.624	6911099.744	24.8
L5	58081.43	-12.9	58104.5405	20	56	386094.491	6911104.76	-12.9	00005N	1.3	99	56918.87	3.67	670	143532	386093.154	6911107.257	24.8
L5	58115.46	-14	58138.5704	28	52	386099.98	6911111.41	-14	00005N	1.3	99	56952.96	3.66	680	143557	386099.5963	6911113.258	24.8
L5	58100.83	-14.2	58123.9405	31	54	386105.131	6911117.65	-14.2	00005N	1.6	99	56938.43	3.89	690	143616	386105.51	6911119.027	24.8
L5	58063.87	-16.4	58086.9805	10	58	386110.406	6911124.04	-16.4	00005N	2.7	99	56901.52	3.62	700	143635	386109.674	6911126.393	24.8
L5	58068.69	-16.4	58091.8005	3	58	386117.359	6911132.46	-16.4	00005N	4.8	99	56906.35	3.61	710	143704	386117.066	6911134.744	24.8
L5	58088.11	-16.6	58111.2205	31	54	386123.046	6911139.35	-16.6	00005N	4.9	99	56925.82	3.84	720	143728	386124.952	6911139.327	24.8
L5	58085.67	-18.7	58108.7805	32	53	386130.063	6911147.85	-18.7	00005N	5.8	99	56923.46	3.84	730	143756	386131.7077	6911148.331	24.8
L5	58079.61	-20.2	58102.7205	12	58	386136.401	6911155.53	-20.2	00005N	6	99	56917.54	3.66	740	143822	386139.016	6911155.396	24.8
L5	58081.48	-22.7	58104.5905	22	56	386143.107	6911163.66	-22.7	00005N	6	99	56919.49	3.73	750	143843	386141.8873	6911165.761	24.8
L5	58101.48	-23.5	58124.5905	24	56	386149.429	6911171.32	-23.5	00005N	6.8	99	56939.59	3.77	760	143905	386149.8643	6911172.024	24.8
L5	58102.58	-27.1	58125.6905	18	58	386156.065	6911179.35	-27.1	00005N	6.2	99	56940.73	3.8	770	143934	386157.7027	6911179.224	24.8
L5	58121.96	-29.1	58145.0704	19	57	386161.508	6911185.95	-29.1	00005N	6.2	99	56960.16	3.76	780	143955	386163.352	6911185.881	24.8
L5	58116.69	-28	58139.8005	17	64	386168.782	6911194.76	-28	00005N	4.2	99	56954.97	4.12	790	144027	386166.601	6911197.086	24.8
L5	58118.78	-17.8	58141.8905	-4	71	386174.939	6911202.22	-17.8	00005N	6	99	56957.06	4.4	800	144049	386174.2533	6911203.33	24.8
L5	58121.29	-8	58144.4005	17	68	386180.474	6911208.93	-8	00005N	8	99	56959.86	4.34	810	144126	386179.3543	6911210.596	24.8
L5	58109.82	0.9	58132.9305	-13	70	386188.429	6911218.56	0.9	00005N	6.4	99	56948.39	4.39	820	144158	386187.818	6911220.144	24.8
L5	58081.32	7	58104.4305	0	65	386194.081	6911225.41	7	00005N	-1	99	56919.99	4.03	830	144245	386194.1367	6911226.646	24.8
L5	58086.12	-1	58109.2305	-1	61	386199.728	6911232.25	-1	00005N	-7.8	99	56924.82	3.77	840	144360	386200.821	6911232.759	24.8
L5	58093.51	-2.4	58116.6205	-26	58	386209.593	6911244.2	-2.4	00005N	-7.9	99	56932.47	3.92	850	144449	386207.8727	6911246.923	24.8
L5	58103.37	-3.5	58126.4805	23	57			-3.5	00005N	-8.2	99	56942.44	3.81	860	144533	386212.565	6911247.815	24.8
L6	58082.55	-0.9	58105.6605	31	59	385742.95	6910520.35	-0.9	00006N	-0.7	99	56924.2	4.13	0	160010	385742.9467	6910520.351	24.8
L6	58112.61	4.4	58135.7205	0	63	385748.412	6910526.97	4.4	00006N	-0.1	94	56954.31	3.87	10	155912	385750.2123	6910525.369	24.8
L6	58233.16	-1.2	58256.2705	20	60	385753.641	6910533.31	-1.2	00006N	-1.4	99	57074.81	3.92	20	155803	385755.7063	6910531.793	24.8
L6	58282.99	-2	58306.1005	1	63	385760.708	6910541.87	-2	00006N	-2.1	99	57124.6	3.89	30	155735	385763.94	6910539.715	24.8
L6	58228.48	-2.6	58251.5905	11	61	385768.144	6910550.89	-2.6	00006N	-3.2	99	57071.35	3.84	40	155124	385768.404	6910550.877	24.8
L6	58184.14	-4.3	58207.2505	1	63	385774.035	6910558.03	-4.3	00006N	-3.5	99	57027.07	3.91	50	155059	385775.9776	6910556.649	24.8
L6	58151.15	-1.7	58174.2605	31	57	385780.247	6910565.56	-1.7	00006N	-3.5	99	56994.08	4.04	60	155031	385779.973	6910565.864	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L6	58254.6	-1.7	58277.7105	20	60	385786.862	6910573.57	-1.7	00006N	-2.6	99	57097.53	3.94	70	155002	385786.12	6910574.615	24.8
L6	58255.21	-1.8	58278.3204	32	56	385792.672	6910580.61	-1.8	00006N	-2.5	99	57098.03	3.98	80	154940	385792.48	6910581.526	24.8
L6	58373.23	-2	58396.3405	8	62	385798.216	6910587.33	-2	00006N	-2.6	99	57215.96	3.88	90	154915	385799.89	6910586.568	24.8
L6	58227.7	-2.5	58250.8105	25	59	385806.291	6910597.12	-2.5	00006N	-2.4	99	57070.33	3.96	100	154845	385809.48	6910595.425	24.8
L6	58041.33	0.2	58064.4405	4	64	385812.274	6910604.37	0.2	00006N	0	99	56883.95	3.95	110	154821	385814.8807	6910603.45	24.8
L6	58055.94	2.6	58079.0505	27	60	385817.991	6910611.3	2.6	00006N	1.6	99	56898.54	4.07	120	154801	385820.912	6910610.452	24.8
L6	58052.68	1.7	58075.7905	4	64	385824.54	6910619.24	1.7	00006N	2.1	99	56895.34	3.97	130	154738	385825.652	6910619.92	24.8
L6	58058.4	2.5	58081.5105	6	124	385830.676	6910626.68	2.5	00006N	1	99	56900.97	3.83	140	154718	385829.1413	6910629.206	24.8
L6	58050.94	5.3	58074.0505	62	115	385835.933	6910633.05	5.3	00006N	3.3	99	56893.67	4.05	150	154655	385833.9063	6910636.242	24.8
L6	58060.11	7.8	58083.2205	78	108	385843.731	6910642.5	7.8	00006N	6.7	99	56902.84	4.12	160	154632	385844.216	6910643.499	24.8
L6	58098.99	9	58122.1005	99	94	385849.851	6910649.92	9	00006N	7.2	99	56941.76	4.21	170	154608	385853.152	6910647.746	24.8
L6	58089.86	7.5	58112.9705	38	118	385855.69	6910656.99	7.5	00006N	8	99	56932.55	3.84	180	154509	385859.6407	6910654.601	24.8
L6	58098.91	7.6	58122.0205	29	119	385863.535	6910666.5	7.6	00006N	8.6	99	56941.57	3.78	190	154444	385865.4077	6910665.897	24.8
L6	58100.51	8.8	58123.6205	51	111	385868.621	6910672.66	8.8	00006N	10.1	99	56943.15	3.78	200	154426	385869.481	6910673.039	24.8
L6	58097.31	8.1	58120.4205	55	108	385875.291	6910680.75	8.1	00006N	10.2	99	56939.95	3.75	210	154359	385876.4152	6910681.296	24.8
L6	58144.49	6.7	58167.6005	75	102	385881.487	6910688.26	6.7	00006N	9.8	99	56987.14	3.92	220	154323	385880.928	6910690.24	24.8
L6	58022.7	5.8	58045.8105	70	104	385888.404	6910696.64	5.8	00006N	8	99	56865.46	3.87	230	154246	385888.48	6910698.487	24.8
L6	57989.17	5.4	58012.2805	96	89	385895.914	6910705.74	5.4	00006N	8.1	99	56832.09	4.05	240	154209	385896.214	6910707.846	24.8
L6	57979.84	4.9	58002.9505	35	114	385900.6	6910711.42	4.9	00006N	9.4	99	56822.86	3.67	250	154131	385897.86	6910715.24	24.8
L6	57983.59	5.1	58006.7005	81	95	385906.599	6910718.69	5.1	00006N	10.1	99	56826.64	3.85	260	154053	385904.0263	6910722.726	24.8
L6	57988.51	5.8	58011.6205	83	94	385912.54	6910725.9	5.8	00006N	10	99	56831.71	3.86	270	154028	385908.4183	6910731.268	24.8
L6	58003.47	4.6	58026.5805	101	75	385919.412	6910734.22	4.6	00006N	9.9	99	56846.67	3.89	280	153950	385915.638	6910739.712	24.8
L6	57998.85	5.1	58021.9605	61	103	385927.461	6910743.98	5.1	00006N	10.3	99	56842.18	3.7	290	153859	385925.9713	6910747.62	24.8
L6	58007.28	5.2	58030.3905	35	108	385932.426	6910750	5.2	00006N	11	99	56851.02	3.51	300	153716	385930.121	6910754.49	24.8
L6	58015.76	6.6	58038.8705	64	95	385938.904	6910757.85	6.6	00006N	11.4	99	56859.53	3.54	310	153647	385937.4123	6910762.007	24.8
L6	58033.71	4.9	58056.8204	63	98	385945.635	6910766.01	4.9	00006N	10.3	99	56877.55	3.59	320	153621	385943.4027	6910771.092	24.8
L6	58054.54	2.7	58077.6505	66	93	385950.006	6910771.3	2.7	00006N	10.1	99	56898.61	3.53	330	153517	385947.6453	6910776.743	24.8
L6	58105.24	2.7	58128.3505	55	97	385957.219	6910780.05	2.7	00006N	9.1	99	56949.38	3.44	340	153455	385953.9417	6910786.558	24.8
L6	58064.58	1	58087.6905	67	89	385962.79	6910786.8	1	00006N	7.7	99	56908.7	3.45	350	153431	385961.5427	6910791.388	24.8
L6	58055.54	0.8	58078.6505	78	85	385968.622	6910793.87	0.8	00006N	6.7	99	56899.76	3.57	360	153411	385968.931	6910797.247	24.8
L6	58065.56	-1.2	58088.6705	43	98	385974.882	6910801.45	-1.2	00006N	5.6	99	56909.76	3.3	370	153349	385978.156	6910801.406	24.8
L6	58039.12	-3.8	58062.2305	62	92	385982.773	6910811.02	-3.8	00006N	2.2	99	56883.45	3.42	380	153312	385987.155	6910810.45	24.8
L6	58080.52	-8.2	58103.6305	50	95	385989.716	6910819.43	-8.2	00006N	-0.1	99	56925.04	3.32	390	153046	385991.216	6910820.913	24.8
L6	57923.41	-14.8	57946.5205	-8	102	385995.795	6910826.8	-14.8	00006N	-3.9	99	56768.05	3.17	400	152919	385995.3	6910829.853	24.8
L6	57978.01	-13.4	58001.1205	50	98	386002.558	6910835	-13.4	00006N	-5.3	99	56822.7	3.41	410	152757	386003.647	6910836.914	24.8
L6	58006.53	-13.9	58029.6405	30	103	386009.895	6910843.89	-13.9	00006N	-6.3	99	56851.13	3.32	420	152736	386011.6233	6910845.692	24.8
L6	58041.71	-10.9	58064.8204	25	106	386015.031	6910850.12	-10.9	00006N	-5	99	56886.25	3.38	430	152651	386017.2213	6910851.825	24.8
L6	58022.67	-7.4	58045.7805	30	102	386022.298	6910858.92	-7.4	00006N	-4.2	99	56867.21	3.29	440	152626	386022.958	6910862.076	24.8
L6	58038.04	-11.7	58061.1505	-6	103	386028.322	6910866.22	-11.7	00006N	-7.6	99	56882.66	3.2	450	152551	386029.84	6910868.968	24.8
L6	58069.73	-15.5	58092.8405	1	105	386036.274	6910875.86	-15.5	00006N	-12.1	99	56914.33	3.23	460	152500	386037.121	6910879.564	24.8
L6	58066.84	-18.1	58089.9505	0	105	386042.086	6910882.91	-18.1	00006N	-11.4	99	56911.4	3.23	470	152412	386043.985	6910885.98	24.8
L6	58092.7	-19.2	58115.8105	-14	105	386046.811	6910888.63	-19.2	00006N	-12.7	99	56937.21	3.27	480	152346	386050.256	6910890.341	24.8
L6	58077.41	-20.8	58100.5205	11	107	386053.578	6910896.83	-20.8	00006N	-14.1	99	56921.83	3.32	490	152314	386057.147	6910898.837	24.8
L6	58101.86	-23.3	58124.9705	-23	104	386059.871	6910904.46	-23.3	00006N	-15.6	99	56946.35	3.3	500	152247	386063.986	6910906.369	24.8
L6	58179.93	-26.2	58203.0405	-34	107	386064.916	6910910.58	-26.2	00006N	-17.7	99	57024.41	3.45	510	152217	386071.07	6910910.412	24.8
L6	58119.91	-26.1	58143.0205	-26	53	386072.572	6910919.85	-26.1	00006N	-17.5	99	56962.72	3.66	520	151516	386073.0567	6910922.628	24.8
L6	58087.75	-23.7	58110.8605	3	59	386078.625	6910927.19	-23.7	00006N	-13.9	99	56930.52	3.64	530	151452	386079.8553	6910929.668	24.8
L6	58097.94	-18.4	58121.0505	7	59	386085.318	6910935.3	-18.4	00006N	-7.9	99	56940.58	3.67	540	151426	386087.752	6910937.064	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L6	58093.41	-18.1	58116.5205	4	60	386092.094	6910943.52	-18.1	00006N	-7.5	99	56935.91	3.71	550	151351	386093.1187	6910946.615	24.8
L6	58096.85	-16.5	58119.9605	16	60	386097.832	6910950.47	-16.5	00006N	-4.9	99	56939.2	3.87	560	151331	386098.3887	6910954.249	24.8
L6	58098.06	-12.7	58121.1705	31	122	386102.821	6910956.52	-12.7	00006N	-1.6	99	56940.25	3.89	570	151311	386105.151	6910958.644	24.8
L6	58100.67	-5.5	58123.7805	63	110	386110.592	6910965.94	-5.5	00006N	4.8	99	56942.68	3.92	580	151238	386115.4427	6910965.847	24.8
L6	58103.55	-5	58126.6605	44	117	386116.46	6910973.05	-5	00006N	5.9	99	56945.45	3.86	590	151208	386118.784	6910974.727	24.8
L6	58107.35	-4.9	58130.4605	46	111	386122.921	6910980.88	-4.9	00006N	6.9	99	56949.1	3.7	600	151145	386126.1323	6910982.15	24.8
L6	58108.61	-4.9	58131.7205	46	113	386129.232	6910988.53	-4.9	00006N	7.4	99	56950.25	3.75	610	151124	386132.888	6910989.795	24.8
L6	58109.08	-6.5	58132.1905	33	114	386135.45	6910996.06	-6.5	00006N	8	99	56950.67	3.67	620	151101	386138.939	6910997.823	24.8
L6	58113.44	-5	58136.5505	60	103	386142.096	6911004.12	-5	00006N	8.3	99	56954.84	3.69	630	151036	386144.0587	6911007.268	24.8
L6	58113.01	-7.6	58136.1205	35	113	386149.085	6911012.59	-7.6	00006N	8.3	99	56954.3	3.66	640	151009	386152.28	6911015.02	24.8
L6	58118.59	-6.6	58141.7005	72	97	386154.918	6911019.66	-6.6	00006N	7.7	99	56959.86	3.73	650	150946	386154.9393	6911024.067	24.8
L6	58121.88	-6.6	58144.9905	101	84	386160.27	6911026.15	-6.6	00006N	6.6	99	56963.04	4.06	660	150922	386156.792	6911032.519	24.8
L6	58113.15	-7	58136.2605	84	98	386167.14	6911034.47	-7	00006N	8.1	99	56954.33	3.98	670	150902	386165.1993	6911039.776	24.8
L6	58113.75	-6.7	58136.8605	72	102	386173.752	6911042.49	-6.7	00006N	9.8	99	56954.8	3.85	680	150841	386173.106	6911046.968	24.8
L6	58112.7	-7	58135.8105	99	83	386181.166	6911051.47	-7	00006N	9.2	99	56953.74	3.98	690	150814	386182.168	6911054.814	24.8
L6	58147.72	-8.2	58170.8305	80	95	386186.762	6911058.25	-8.2	00006N	9.4	99	56988.71	3.85	700	150745	386185.2283	6911063.327	24.8
L6	58146.49	-9.6	58169.6005	76	98	386192.27	6911064.93	-9.6	00006N	9	99	56987.4	3.83	710	150723	386191.9183	6911069.203	24.8
L6	58099.15	-10.1	58122.2605	72	101	386198.339	6911072.29	-10.1	00006N	9.4	99	56939.99	3.85	720	150701	386198.821	6911076.176	24.8
L6	58111.04	-9.2	58134.1505	64	106	386204.936	6911080.28	-9.2	00006N	11.4	99	56951.81	3.82	730	150638	386206.057	6911084.011	24.8
L6	58106.15	-8.5	58129.2605	68	105	386210.783	6911087.37	-8.5	00006N	13.2	99	56946.76	3.85	740	150617	386214.0933	6911088.989	24.8
L6	58101.93	-8.2	58125.0405	82	94	386217.972	6911096.08	-8.2	00006N	15.4	99	56942.5	3.84	750	150551	386218.058	6911099.914	24.8
L6	58094.07	-7.1	58117.1805	108	75	386225.974	6911105.78	-7.1	00006N	15.7	99	56934.58	4.07	760	150519	386224.504	6911111.13	24.8
L6	58087.91	-10.1	58111.0205	101	80	386231.173	6911112.08	-10.1	00006N	15.9	99	56928.37	3.98	770	150447	386231.488	6911115.806	24.8
L6	58073.57	-15.7	58096.6805	79	92	386237.66	6911119.94	-15.7	00006N	15.2	99	56913.92	3.75	780	150351	386237.24	6911124.575	24.8
L6	58057.37	-19.9	58080.4805	47	105	386243.056	6911126.48	-19.9	00006N	13.9	99	56897.65	3.56	790	150327	386241.794	6911132.015	24.8
L6	58047.25	-19.7	58070.3605	109	73	386249.489	6911134.28	-19.7	00006N	12.5	99	56887.35	4.07	800	150235	386247.2347	6911140.877	24.8
L6	58053.35	-25.7	58076.4605	76	97	386256.954	6911143.33	-25.7	00006N	9.5	99	56893.47	3.81	810	150135	386258.8983	6911143.977	24.8
L6	58043.65	-32.4	58066.7605	71	99	386266.703	6911155.14	-32.4	00006N	5.3	99	56883.77	3.78	820	150007	386264.106	6911158.852	24.8
L6	58070.28	-20.8	58093.3905	64	105	386273.101	6911162.9	-20.8	00006N	0.6	99	56910.24	3.79	830	145909	386274.17	6911161.241	24.8
L6	58066.14	-18.6	58089.2505	19	117	386277.383	6911168.09	-18.6	00006N	-2.6	99	56905.97	3.65	840	145819	386278.992	6911166.209	24.8
L6	58084.74	-17.9	58107.8505	29	114	386283.507	6911175.51	-17.9	00006N	-4.7	99	56924.46	3.62	850	145752	386284.136	6911174.669	24.8
L6	58080.9	-18.1	58104.0105	-38	49			-18.1	00006N	-7.3	99	56920.46	3.87	860	145239	386290.055	6911183.44	24.8
L7	58128.09	-4.2	58140.8616	6	62	385828.72	6910465.96	-4.2	00007N	-8.6	99	56961.79	3.86	10	123206	385828.722	6910465.956	24.8
L7	58090.99	-3	58103.7616	60	37	385835.371	6910474.03	-3	00007N	-7.5	99	56924.6	4.34	20	123130	385837.236	6910472.44	24.8
L7	58146.55	-1.5	58159.3216	30	57	385841.099	6910480.99	-1.5	00007N	-8.1	99	56980.02	3.96	30	123102	385840.3723	6910481.105	24.8
L7	58071.53	-1.6	58084.3016	30	58	385847.225	6910488.42	-1.6	00007N	-5.8	99	56904.97	4.06	40	123026	385843.894	6910490.313	24.8
L7	58076.9	0.2	58089.6716	34	56	385852.321	6910494.61	0.2	00007N	-5.7	99	56910.2	4.04	50	123005	385851.0533	6910494.307	24.8
L7	58078.07	2.3	58090.8416	42	52	385860.096	6910504.04	2.3	00007N	-3.9	99	56911.32	4.12	60	122941	385858.973	6910503.992	24.8
L7	58123.33	4.3	58136.1016	34	56	385864.996	6910509.99	4.3	00007N	-2.3	99	56956.64	4.07	70	122919	385866.394	6910506.654	24.8
L7	58108.39	5.5	58121.1616	19	59	385870.583	6910516.77	5.5	00007N	0.4	99	56941.7	3.82	80	122901	385871.8217	6910513.82	24.8
L7	58096.64	6	58109.4116	29	57	385877.93	6910525.69	6	00007N	1.5	99	56929.96	3.94	90	122844	385878.6867	6910523.445	24.8
L7	58083.29	6.2	58096.0616	11	63	385884.134	6910533.22	6.2	00007N	2.6	99	56916.58	3.97	100	122825	385884.215	6910531.756	24.8
L7	58059.43	6	58072.2016	16	123	385890.923	6910541.46	6	00007N	1.9	99	56892.78	3.81	110	122802	385891.314	6910540.059	24.8
L7	58093.65	7.2	58106.4216	48	114	385897.319	6910549.22	7.2	00007N	3.7	99	56926.83	3.81	120	122741	385893.0393	6910550.204	24.8
L7	58027.79	7.1	58040.5616	52	111	385904.22	6910557.6	7.1	00007N	4.9	99	56861.02	3.79	130	122719	385901.644	6910557.223	24.8
L7	58003.91	6.6	58016.6816	39	116	385910.569	6910565.31	6.6	00007N	4.6	99	56837.12	3.78	140	122659	385909.1063	6910564.199	24.8
L7	58027.08	5.3	58039.8516	7	119	385918.09	6910574.44	5.3	00007N	4.3	99	56860.31	3.67	150	122635	385916.968	6910573.398	24.8
L7	58049.84	6.2	58062.6116	70	106	385923.324	6910580.79	6.2	00007N	6	99	56883.04	3.93	160	122610	385921.172	6910580.696	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L7	58061.51	6.7	58074.2816	57	107	385929.902	6910588.77	6.7	00007N	7.7	99	56894.74	3.76	170	122548	385928.6133	6910588.222	24.8
L7	58063.39	6.4	58076.1616	43	112	385935.826	6910595.96	6.4	00007N	6.3	99	56896.62	3.69	180	122520	385932.523	6910596.915	24.8
L7	58092.26	6.2	58105.0316	75	97	385942.082	6910603.56	6.2	00007N	7.8	99	56925.47	3.79	190	122459	385941.116	6910602.158	24.8
L7	58082.12	5.4	58094.8916	43	110	385948.149	6910610.92	5.4	00007N	7	99	56915.36	3.64	200	122437	385947.772	6910609.299	24.8
L7	58055.66	6.1	58068.4316	51	109	385954.734	6910618.91	6.1	00007N	7.3	99	56888.86	3.71	210	122418	385953.9267	6910617.923	24.8
L7	58044.32	7.2	58057.0916	65	102	385961.899	6910627.61	7.2	00007N	10.2	99	56877.54	3.74	220	122350	385960.829	6910627.157	24.8
L7	58054.89	8.6	58067.6616	69	100	385967.459	6910634.36	8.6	00007N	12.5	99	56887.99	3.75	230	122316	385966.17	6910634.335	24.8
L7	58067.16	8	58079.9316	87	83	385974.88	6910643.37	8	00007N	14.3	99	56900.11	3.72	240	122220	385972.6287	6910644.377	24.8
L7	58074.22	7.8	58086.9916	70	95	385980.649	6910650.37	7.8	00007N	13	99	56906.83	3.65	250	122129	385978.901	6910651.22	24.8
L7	58055.61	7.3	58068.3816	58	98	385986.499	6910657.47	7.3	00007N	14.7	99	56888.12	3.52	260	122026	385986.01	6910657.39	24.8
L7	58060.43	6.7	58073.2016	54	95	385993.276	6910665.7	6.7	00007N	14.4	99	56892.74	3.38	270	121941	385991.354	6910666.895	24.8
L7	58050.54	6	58063.3116	54	96	386000.619	6910674.61	6	00007N	13.3	99	56882.76	3.42	280	121842	385996.048	6910677.737	24.8
L7	58029.36	5.6	58042.1316	55	96	386006.49	6910681.73	5.6	00007N	12.5	99	56861.5	3.41	290	121755	386004.2847	6910682.363	24.8
L7	58003.08	5	58015.8516	12	106	386012.817	6910689.41	5	00007N	14.3	99	56835.13	3.3	300	121718	386012.2293	6910688.727	24.8
L7	58020.03	4.9	58032.8016	28	102	386020.137	6910698.3	4.9	00007N	13.1	99	56851.92	3.27	310	121638	386018.9633	6910698.391	24.8
L7	58021.41	4.9	58034.1816	69	84	386026.3	6910705.78	4.9	00007N	11	99	56853.07	3.38	320	121517	386023.795	6910707.05	24.8
L7	58020.78	3.4	58033.5516	35	97	386031.008	6910711.49	3.4	00007N	11.2	99	56852.36	3.19	330	121432	386030.554	6910710.471	24.8
L7	58037.85	2.3	58050.6216	53	91	386038.753	6910720.9	2.3	00007N	8.7	99	56869.28	3.27	340	121343	386037.544	6910720.788	24.8
L7	58041.8	1.2	58054.5716	35	96	386043.939	6910727.19	1.2	00007N	7.9	99	56873.22	3.17	350	121308	386041.7687	6910727.984	24.8
L7	58055.47	0.4	58068.2416	37	97	386051.033	6910735.8	0.4	00007N	5.9	99	56886.84	3.21	360	121236	386048.705	6910737.049	24.8
L7	58057.12	-0.1	58069.8916	61	86	386055.522	6910741.25	-0.1	00007N	4.7	99	56888.45	3.25	370	121214	386055.3573	6910739.86	24.8
L7	58061.67	-0.5	58074.4416	56	89	386062.738	6910750.01	-0.5	00007N	3.8	99	56892.94	3.25	380	121148	386063.3593	6910748.273	24.8
L7	58087.45	-1.6	58100.2216	29	96	386068.896	6910757.48	-1.6	00007N	2.4	99	56918.7	3.1	390	121118	386069.188	6910756.285	24.8
L7	58095.75	-2.9	58108.5216	15	98	386074.991	6910764.88	-2.9	00007N	0.4	99	56926.99	3.07	400	121039	386075.2007	6910764.033	24.8
L7	58141.86	-5.6	58154.6316	0	103	386082.232	6910773.67	-5.6	00007N	-2.1	99	56973.05	3.17	410	121003	386081.704	6910773.7	24.8
L7	58094.84	-5.4	58107.6116	43	95	386086.717	6910779.11	-5.4	00007N	-3.3	99	56925.99	3.23	420	120930	386083.754	6910780.62	24.8
L7	58095.41	-4.2	58108.1816	99	47	386094.243	6910788.25	-4.2	00007N	-3.4	99	56926.56	3.39	430	120854	386090.4627	6910790.7	24.8
L7	58047.24	-1.4	58060.0116	52	92	386101.975	6910797.63	-1.4	00007N	-4.2	99	56878.44	3.27	440	120824	386098.782	6910799.95	24.8
L7	58123.96	-1.3	58136.7316	41	91	386108.486	6910805.54	-1.3	00007N	-6.8	99	56955.18	3.08	450	120758	386108.776	6910803.094	24.8
L7	58039.46	-0.7	58052.2316	46	92	386115.448	6910813.99	-0.7	00007N	-7.2	99	56870.67	3.19	460	120723	386112.5517	6910813.64	24.8
L7	58058.89	-0.3	58071.6616	26	95	386121.495	6910821.33	-0.3	00007N	-5.8	99	56890.11	3.03	470	120652	386118.46	6910821.37	24.8
L7	58082.9	-3.8	58095.6716	71	71	386128.616	6910829.97	-3.8	00007N	-8.9	99	56914.08	3.09	480	120622	386124.314	6910831.22	24.8
L7	58113.66	-7.7	58126.4316	69	76	386133.817	6910836.28	-7.7	00007N	-12	99	56944.83	3.17	490	120600	386131.5602	6910835.407	24.8
L7	58170.4	-11.7	58183.1716	77	63	386140.552	6910844.46	-11.7	00007N	-15.7	99	57001.52	3.08	500	120539	386136.73	6910844.93	24.8
L7	58186.13	-17.6	58198.9016	57	79	386147.557	6910852.96	-17.6	00007N	-21.3	99	57017.24	3.01	510	120510	386145.3133	6910852.237	24.8
L7	58529.61	-20	58542.3816	49	84	386154.06	6910860.85	-20	00007N	-22.6	99	57360.73	3	520	120440	386154.3443	6910857.518	24.8
L7	58486.97	-24	58499.7416	73	76	386161.236	6910869.56	-24	00007N	-26.5	99	57318.08	3.25	530	120410	386157.21	6910868.704	24.8
L7	58210.64	-26.8	58223.4116	85	76	386166.969	6910876.52	-26.8	00007N	-23.6	99	57041.75	3.51	540	120338	386163.4553	6910875.493	24.8
L7	58131.54	-21.1	58144.3116	92	76	386172.91	6910883.73	-21.1	00007N	-16	99	56962.63	3.69	550	120314	386169.8093	6910882.634	24.8
L7	58117.43	-17.2	58130.2016	94	78	386179.052	6910891.19	-17.2	00007N	-12.8	99	56948.61	3.77	560	120249	386175.934	6910890.39	24.8
L7	58145.89	-12.2	58158.6616	57	105	386184.89	6910898.27	-12.2	00007N	-5.5	99	56977.06	3.68	570	120221	386181.8527	6910897.684	24.8
L7	58224.86	-12.1	58237.6316	103	66	386191.959	6910906.85	-12.1	00007N	-6.1	99	57055.98	3.77	580	120137	386189.8317	6910905.79	24.8
L7	58188.82	-14.1	58201.5916	62	99	386198.635	6910914.96	-14.1	00007N	-7.6	99	57019.91	3.6	590	120058	386195.32	6910915.024	24.8
L7	58164.66	-12.8	58177.4316	64	100	386204.495	6910922.07	-12.8	00007N	-4.1	99	56995.64	3.67	600	120036	386201.544	6910922.107	24.8
L7	58155.27	-13.3	58168.0416	82	84	386210.81	6910929.73	-13.3	00007N	-4.3	99	56986.12	3.63	610	120009	386208.4083	6910929.598	24.8
L7	58140.29	-13.6	58153.0616	62	96	386216.467	6910936.6	-13.6	00007N	-2	99	56971.04	3.53	620	115943	386214.604	6910936.266	24.8
L7	58145.93	-13.7	58158.7016	49	101	386222.611	6910944.06	-13.7	00007N	-0.3	99	56976.62	3.46	630	115921	386219.1473	6910945.047	24.8
L7	58131.94	-14	58144.7116	84	84	386228.782	6910951.55	-14	00007N	-0.6	99	56962.58	3.66	640	115804	386227.1207	6910950.963	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L7	58122.17	-14.7	58134.9416	100	71	386235.495	6910959.7	-14.7	00007N	0	99	56952.82	3.79	650	115744	386234.4267	6910958.918	24.8
L7	58119.95	-16.3	58132.7216	59	99	386242.134	6910967.75	-16.3	00007N	0.7	99	56950.65	3.57	660	115715	386242.78	6910965.576	24.8
L7	58118.69	-16.7	58131.4616	40	108	386247.627	6910974.42	-16.7	00007N	2.9	99	56949.45	3.55	670	115653	386245.816	6910973.877	24.8
L7	58110.35	-17.2	58123.1216	19	111	386253.657	6910981.74	-17.2	00007N	2.5	99	56941.07	3.46	680	115629	386251.8173	6910981.502	24.8
L7	58113.94	-16.3	58126.7116	54	107	386260.497	6910990.04	-16.3	00007N	3.4	99	56944.63	3.7	690	115605	386259.094	6910989.758	24.8
L7	58104.54	-14.7	58117.3116	12	120	386266.967	6910997.9	-14.7	00007N	6	99	56935.25	3.73	700	115543	386266.181	6910997.382	24.8
L7	58111.84	-10.8	58124.6116	77	99	386273.362	6911005.66	-10.8	00007N	9.9	99	56942.54	3.88	710	115521	386269.6333	6911007.077	24.8
L7	58111.92	-9.4	58124.6916	87	91	386280.087	6911013.82	-9.4	00007N	11.4	99	56942.64	3.88	720	115452	386278.37	6911013.46	24.8
L7	58112.34	-9.4	58125.1116	58	103	386286.042	6911021.05	-9.4	00007N	12.8	99	56943.08	3.65	730	115432	386284.525	6911020.803	24.8
L7	58107.87	-10.3	58120.6416	46	105	386292.017	6911028.3	-10.3	00007N	12.9	99	56938.6	3.55	740	115405	386289.66	6911028.93	24.8
L7	58108.22	-9.8	58120.9916	82	90	386298.052	6911035.63	-9.8	00007N	12.2	99	56938.93	3.75	750	115343	386296.202	6911036.106	24.8
L7	58099.16	-10.2	58111.9316	86	81	386304.958	6911044.01	-10.2	00007N	12.3	99	56929.76	3.65	760	115322	386303.745	6911044.267	24.8
L7	58093.12	-10.8	58105.8916	58	97	386311.248	6911051.65	-10.8	00007N	11.8	99	56923.68	3.49	770	115251	386308.6143	6911053.139	24.8
L7	58088.64	-12	58101.4116	58	97	386317.838	6911059.64	-12	00007N	10.3	99	56919.15	3.48	780	115221	386317.296	6911059.225	24.8
L7	58077.44	-12.3	58090.2116	64	95	386322.649	6911065.48	-12.3	00007N	9.9	99	56907.81	3.54	790	115157	386320.995	6911066.025	24.8
L7	58062.45	-12.1	58075.2216	65	96	386330.035	6911074.45	-12.1	00007N	10.2	99	56892.73	3.59	800	115106	386329.051	6911074.763	24.8
L7	58049.08	-11.5	58061.8516	58	97	386335.886	6911081.55	-11.5	00007N	9.8	99	56879.25	3.49	810	115035	386336.245	6911080.836	24.8
L7	58026.58	-11.4	58039.3516	32	102	386342.533	6911089.62	-11.4	00007N	10.6	99	56856.78	3.31	820	115006	386342.043	6911089.822	24.8
L7	58001.58	-11.6	58014.3516	42	99	386349.877	6911098.53	-11.6	00007N	9.5	99	56831.74	3.32	830	114935	386350.9813	6911097.551	24.8
L7	57995.36	-12.3	58008.1316	50	95			-12.3	00007N	6.5	99	56825.53	3.3	840	114912	386355	6911104.75	24.8
L8	58075.4	1	58088.1716	-6	123	385896.07	6910393.57	1	00008N	-3.3	99	56904.05	3.8	0	110152	385896.074	6910393.572	24.8
L8	58095.39	0.1	58108.1616	8	61	385904.499	6910403.81	0.1	00008N	-3.2	99	56924.38	3.79	10	110222	385904.6893	6910403.985	24.8
L8	58151.44	0.3	58164.2116	1	63	385909.858	6910410.32	0.3	00008N	-3.6	99	56980.8	3.87	20	110244	385908.99	6910411.423	24.8
L8	58341.05	-0.1	58353.8216	12	59	385915.564	6910417.25	-0.1	00008N	-2.7	99	57170.55	3.76	30	110306	385915.414	6910417.936	24.8
L8	58228.68	-0.2	58241.4516	1	61	385921.972	6910425.04	-0.2	00008N	-1.3	99	57058.14	3.81	40	110330	385921.476	6910426.23	24.8
L8	58133.27	0.1	58146.0416	13	59	385928.907	6910433.46	0.1	00008N	-2.2	99	56962.75	3.76	50	110353	385928.669	6910434.708	24.8
L8	58204.49	1	58217.2616	13	59	385935.533	6910441.51	1	00008N	-2.8	99	57034.05	3.74	60	110420	385934.246	6910443.75	24.8
L8	58273.55	0.5	58286.3216	24	55	385941.362	6910448.59	0.5	00008N	-2.8	99	57103.22	3.71	70	110440	385940.592	6910450.61	24.8
L8	58214.43	-0.4	58227.2016	23	57	385948.433	6910457.18	-0.4	00008N	-3.1	99	57044.1	3.79	80	110503	385949.684	6910457.384	24.8
L8	58298.75	-2	58311.5216	9	60	385955.107	6910465.29	-2	00008N	-3.4	99	57128.35	3.77	90	110526	385957.996	6910464.121	24.8
L8	58249.55	-1.8	58262.3216	16	57	385960.171	6910471.44	-1.8	00008N	-4.7	99	57079.4	3.7	100	110543	385961.33	6910471.525	24.8
L8	58190.81	-2.3	58203.5816	21	57	385966.823	6910479.53	-2.3	00008N	-4.2	99	57020.81	3.77	110	110603	385967.076	6910480.51	24.8
L8	58251.48	-2.6	58264.2516	13	60	385973.554	6910487.7	-2.6	00008N	-5.8	99	57081.79	3.79	120	110626	385975.8067	6910486.853	24.8
L8	58263.79	-2.1	58276.5616	13	60	385979.347	6910494.74	-2.1	00008N	-4.5	99	57094.45	3.79	130	110648	385982.7167	6910493.058	24.8
L8	58192.9	-0.2	58205.6716	21	60	385986.514	6910503.45	-0.2	00008N	-1	99	57023.85	3.96	140	110711	385990.9493	6910501.075	24.8
L8	58324.17	1.5	58336.9416	20	60	385992.232	6910510.39	1.5	00008N	2	99	57155.4	3.93	150	110730	385995.6647	6910508.937	24.8
L8	58185.31	2.3	58198.0816	15	60	385999.099	6910518.74	2.3	00008N	3.6	99	57016.79	3.84	160	110750	386003.1573	6910517.004	24.8
L8	58179.52	4.4	58192.2916	7	60	386005.121	6910526.05	4.4	00008N	6.7	99	57011.14	3.76	170	110809	386007.803	6910525.467	24.8
L8	58426.18	6.2	58438.9516	17	57	386010.843	6910533	6.2	00008N	9.3	99	57257.91	3.67	180	110827	386013.2973	6910532.814	24.8
L8	58536.16	6	58548.9316	22	56	386017.768	6910541.42	6	00008N	10.7	99	57367.99	3.73	190	110847	386020.698	6910541.09	24.8
L8	58309.97	7.2	58322.7416	14	59	386023.23	6910548.05	7.2	00008N	11.8	99	57141.82	3.74	200	110905	386027.288	6910546.857	24.8
L8	58126.34	7.2	58139.1116	12	58	386030.511	6910556.9	7.2	00008N	14.7	99	56958.24	3.67	210	110928	386035.575	6910555.08	24.8
L8	58102.12	7.1	58114.8916	23	53	386037.3	6910565.15	7.1	00008N	16.3	99	56934.08	3.57	220	110947	386041.0073	6910564.511	24.8
L8	58019.86	6.8	58032.6316	18	54	386042.697	6910571.7	6.8	00008N	16.4	99	56851.98	3.53	230	111007	386046.3227	6910571.339	24.8
L8	58059.83	7.9	58072.6016	12	54	386049.303	6910579.73	7.9	00008N	16.2	99	56892.07	3.47	240	111024	386052.6347	6910579.844	24.8
L8	58081.33	7.4	58094.1016	50	34	386054.41	6910585.93	7.4	00008N	14.4	99	56913.85	3.77	250	111051	386059.06	6910584.92	24.8
L8	58058.82	6.4	58071.5916	12	53	386060.786	6910593.68	6.4	00008N	16.7	99	56891.62	3.37	260	111118	386063.253	6910594.243	24.8
L8	58039.02	6.3	58051.7916	18	50	386067.133	6910601.39	6.3	00008N	16.6	99	56871.93	3.31	270	111144	386068.995	6910602.644	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L8	57990.68	5.3	58003.4516	17	49	386073.007	6910608.52	5.3	00008N	14.9	99	56823.72	3.22	280	111210	386076.456	6910608.39	24.8
L8	58019.57	4.8	58032.3416	40	98	386079.837	6910616.82	4.8	00008N	13.8	99	56852.73	3.27	290	111235	386081.898	6910617.893	24.8
L8	58080.46	3.8	58093.2316	18	103	386086.415	6910624.81	3.8	00008N	12.3	99	56913.63	3.23	300	111258	386090.0427	6910624.594	24.8
L8	57888.64	3	57901.4116	27	98	386093.254	6910633.12	3	00008N	11.8	99	56721.83	3.14	310	111322	386096.9477	6910633.112	24.8
L8	57971.73	1.3	57984.5016	30	102	386099.656	6910640.9	1.3	00008N	10.1	99	56804.82	3.27	320	111344	386101.4333	6910642.343	24.8
L8	57965.03	0.1	57977.8016	23	99	386105.892	6910648.48	0.1	00008N	11	99	56798.06	3.13	330	111408	386108.424	6910649.491	24.8
L8	57945.28	1.1	57958.0516	21	100	386111.821	6910655.68	1.1	00008N	9.5	99	56778.19	3.17	340	111432	386114.7327	6910656.601	24.8
L8	57959.35	1.5	57972.1216	10	101	386118.179	6910663.4	1.5	00008N	9.9	99	56792.21	3.12	350	111455	386120.3593	6910665.101	24.8
L8	58000.71	2.8	58013.4816	20	103	386124.747	6910671.38	2.8	00008N	10.9	99	56833.61	3.22	360	111520	386128.198	6910672.133	24.8
L8	58002.23	2.3	58015.0016	45	91	386131.072	6910679.07	2.3	00008N	10.9	99	56835.13	3.15	370	111541	386133.4673	6910680.798	24.8
L8	58027.34	2.7	58040.1116	33	97	386137.645	6910687.05	2.7	00008N	9	99	56860.2	3.15	380	111605	386140.1493	6910688.946	24.8
L8	58027.22	2.4	58039.9916	22	98	386142.989	6910693.54	2.4	00008N	8.5	99	56860.19	3.1	390	111626	386144.8433	6910696.115	24.8
L8	58036.7	2.7	58049.4716	30	94	386148.244	6910699.93	2.7	00008N	8	99	56869.45	3.04	400	111647	386150.5753	6910702.288	24.8
L8	58066.39	2.8	58079.1616	31	94	386156.188	6910709.58	2.8	00008N	5.2	99	56899.05	3.07	410	111711	386158.638	6910712.149	24.8
L8	58091.63	3	58104.4016	10	97	386162.491	6910717.24	3	00008N	4.1	99	56924.19	3	420	111736	386162.852	6910721.334	24.8
L8	58148.94	3.7	58161.7116	29	90	386170.155	6910726.55	3.7	00008N	2.6	99	56981.38	2.93	430	111760	386169.3403	6910731.768	24.8
L8	58187.16	4.3	58199.9316	34	88	386178.515	6910736.7	4.3	00008N	2.8	99	57019.32	2.91	440	111824	386178.496	6910741.558	24.8
L8	58136.8	5	58149.5716	37	84	386181.87	6910740.78	5	00008N	2	99	56968.88	2.83	450	111840	386182.6113	6910745.021	24.8
L8	58063.63	4.6	58076.4016	58	69	386187.86	6910748.06	4.6	00008N	2.2	99	56895.93	2.8	460	111911	386192.1183	6910746.383	24.8
L8	58172.76	-1	58185.5316	28	79	386196.189	6910758.17	-1	00008N	-4.2	99	57004.78	2.59	470	112136	386198.098	6910758.324	24.8
L8	58118.16	-7.1	58130.9316	52	69	386200.68	6910763.63	-7.1	00008N	-10.2	99	56948.9	2.69	480	112317	386203.6033	6910762.965	24.8
L8	58161.32	-13.7	58174.0916	48	75	386207.764	6910772.24	-13.7	00008N	-15.7	99	56991.49	2.74	490	112427	386210.774	6910771.772	24.8
L8	58170.55	-17.1	58183.3216	29	85	386213.575	6910779.29	-17.1	00008N	-18	99	57000.33	2.76	500	112624	386215.62	6910779.728	24.8
L8	58125.9	-19.6	58138.6716	35	86	386221.165	6910788.52	-19.6	00008N	-18.9	99	56955.38	2.86	510	112730	386219.178	6910791.366	24.8
L8	58123.24	-20.1	58136.0116	69	70	386225.628	6910793.94	-20.1	00008N	-16.8	99	56952.97	3.03	520	112812	386224.1167	6910796.543	24.8
L8	58164.4	-22	58177.1716	58	78	386232.694	6910802.52	-22	00008N	-19.6	99	56994.29	3	530	112856	386233.5863	6910802.761	24.8
L8	58126.74	-23.3	58139.5116	76	68	386240.385	6910811.87	-23.3	00008N	-19.9	99	56956.59	3.17	540	112933	386241.8267	6910811.935	24.8
L8	58122.69	-22.3	58135.4616	85	67	386246.319	6910819.07	-22.3	00008N	-18.4	99	56952.57	3.35	550	113023	386248.331	6910818.877	24.8
L8	58132.23	-21.7	58145.0016	60	86	386251.343	6910825.18	-21.7	00008N	-16.1	99	56962.1	3.24	560	113054	386253.999	6910824.601	24.8
L8	58141.82	-22.6	58154.5916	82	66	386258.844	6910834.29	-22.6	00008N	-17.4	99	56971.84	3.26	570	113152	386261.928	6910833.643	24.8
L8	58137.89	-24.8	58150.6616	75	76	386264.596	6910841.28	-24.8	00008N	-18.4	99	56967.86	3.3	580	113230	386267.852	6910840.711	24.8
L8	58152.03	-27.6	58164.8016	10	103	386270.815	6910848.83	-27.6	00008N	-19.7	99	56982.53	3.2	590	113338	386271.886	6910849.829	24.8
L8	58154.54	-26.7	58167.3116	75	84	386276.439	6910855.67	-26.7	00008N	-15.5	99	56985.21	3.48	600	113416	386277.2593	6910857.071	24.8
L8	58149.54	-26.5	58162.3116	72	88	386283.617	6910864.39	-26.5	00008N	-14.8	99	56980.24	3.51	610	113452	386286.622	6910863.761	24.8
L8	58153.38	-26.7	58166.1516	64	94	386290.669	6910872.95	-26.7	00008N	-14.3	99	56984	3.5	620	113516	386291.7467	6910873.84	24.8
L8	58147.75	-27.5	58160.5216	47	106	386297.279	6910880.98	-27.5	00008N	-13.8	99	56978.19	3.58	630	113545	386299.092	6910881.479	24.8
L8	58129.38	-22.8	58142.1516	63	104	386304.202	6910889.39	-22.8	00008N	-4.7	99	56959.78	3.75	640	113606	386304.42	6910891.216	24.8
L8	58122.23	-19.7	58135.0016	76	96	386309.134	6910895.39	-19.7	00008N	-1.5	99	56952.47	3.79	650	113625	386310.279	6910896.527	24.8
L8	58115.14	-17.9	58127.9116	51	110	386316.217	6910903.99	-17.9	00008N	2.3	99	56945.25	3.74	660	113656	386320.68	6910901.083	24.8
L8	58115.64	-16.8	58128.4116	19	114	386323.994	6910913.44	-16.8	00008N	3.6	99	56945.74	3.58	670	113717	386327.1427	6910911.747	24.8
L8	58095.07	-16.5	58107.8416	13	117	386329.48	6910920.1	-16.5	00008N	4.2	99	56925.15	3.63	680	113740	386330.5567	6910919.853	24.8
L8	58093.17	-14.6	58105.9416	39	111	386335.994	6910928.02	-14.6	00008N	6.4	99	56923.2	3.63	690	113803	386337.798	6910927.379	24.8
L8	58094.7	-14.3	58107.4716	45	109	386342.075	6910935.41	-14.3	00008N	7.4	99	56924.71	3.65	700	113822	386341.3653	6910936.453	24.8
L8	58089.34	-13.8	58102.1116	41	108	386349.684	6910944.65	-13.8	00008N	6.9	99	56919.3	3.56	710	113845	386351.5113	6910943.225	24.8
L8	58089.3	-14.2	58102.0716	37	109	386355.531	6910951.75	-14.2	00008N	7.6	99	56919.31	3.56	720	113903	386357.2897	6910950.607	24.8
L8	58075.68	-13.7	58088.4516	34	108	386361.392	6910958.87	-13.7	00008N	9.2	99	56905.7	3.51	730	113920	386363.91	6910957.277	24.8
L8	58078.73	-13	58091.5016	25	112	386368.392	6910967.38	-13	00008N	9.9	99	56908.74	3.53	740	113941	386368.52	6910967.509	24.8
L8	58075.2	-12.7	58087.9716	35	109	386374.464	6910974.75	-12.7	00008N	11.3	99	56905.16	3.55	750	113960	386376.2028	6910973.488	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L8	58077.08	-13.8	58089.8516	63	96	386380.759	6910982.4	-13.8	00008N	11.4	99	56907.06	3.55	760	114020	386383.9827	6910979.916	24.8
L8	58072.28	-13.3	58085.0516	49	102	386387.95	6910991.14	-13.3	00008N	10.2	99	56902.36	3.49	770	114041	386387.345	6910990.945	24.8
L8	58069.35	-14	58082.1216	57	98	386393.543	6910997.93	-14	00008N	10	99	56899.44	3.51	780	114058	386393.404	6910997.554	24.8
L8	58081.81	-14.5	58094.5816	43	103	386400.078	6911005.87	-14.5	00008N	10.8	99	56911.97	3.44	790	114117	386400.953	6911004.82	24.8
L8	58100.1	-15.3	58112.8716	54	100	386406.022	6911013.09	-15.3	00008N	10.9	99	56930.16	3.5	800	114137	386407.5437	6911011.704	24.8
L8	58076.65	-16.6	58089.4216	51	101	386412.518	6911020.98	-16.6	00008N	10.6	99	56906.69	3.48	810	114156	386413.82	6911020.016	24.8
L8	58074.95	-17.3	58087.7216	47	101	386417.984	6911027.62	-17.3	00008N	10.9	99	56905.06	3.43	820	114215	386419.9753	6911026.253	24.8
L8	58108.17	-16.6	58120.9416	31	105	386424.948	6911036.08	-16.6	00008N	10.5	99	56938.26	3.39	830	114235	386428.648	6911033.285	24.8
L8	58084.67	-16.7	58097.4416	0	108	386431.243	6911043.73	-16.7	00008N	11.5	99	56914.74	3.33	840	114255	386435.305	6911040.87	24.8
L8	58057.98	-18.1	58070.7516	64	91	386437.058	6911050.8	-18.1	00008N	10.3	99	56888.04	3.43	850	114322	386438.3787	6911049.673	24.8
L8	58057.31	-19.9	58070.0816	17	101	386443.208	6911058.27	-19.9	00008N	9.8	99	56887.37	3.17	860	114345	386443.208	6911058.269	24.8
L9	58227.59	1.2	58240.3616	4	120	385977.26	6910331.54	1.2	00009N	-4.2	99	57052.68	3.71	0	105542	385977.255	6910331.542	24.8
L9	58217.04	1.6	58229.8116	57	111	385981.922	6910337.21	1.6	00009N	-3.4	99	57042.47	3.85	10	105512	385982.302	6910337.082	24.8
L9	58202.79	1.8	58215.5616	35	115	385987.882	6910344.47	1.8	00009N	-3.8	99	57028.42	3.72	20	105451	385988.6503	6910344.259	24.8
L9	58212.83	2.3	58225.6016	55	110	385993.765	6910351.63	2.3	00009N	-3.9	99	57038.35	3.8	30	105431	385991.987	6910353.108	24.8
L9	58201.32	1.3	58214.0916	40	116	386000.799	6910360.19	1.3	00009N	-2.8	99	57026.44	3.79	40	105406	385999.929	6910361.158	24.8
L9	58197.43	0.9	58210.2016	19	118	386006.654	6910367.31	0.9	00009N	-2.1	99	57022.24	3.68	50	105342	386006.788	6910367.605	24.8
L9	58258.27	1.1	58271.0416	40	116	386013.227	6910375.31	1.1	00009N	-3.2	99	57082.93	3.8	60	105320	386013.3327	6910375.901	24.8
L9	58221.69	1.8	58234.4616	43	116	386019.03	6910382.37	1.8	00009N	-1.2	99	57046.23	3.81	70	105255	386017.656	6910384.167	24.8
L9	58179.58	4.1	58192.3516	90	95	386026.14	6910391.03	4.1	00009N	2	99	57004.11	4.04	80	105232	386024.955	6910392.963	24.8
L9	58385.04	4.3	58397.8116	65	108	386032.843	6910399.19	4.3	00009N	1.8	99	57209.48	3.89	90	105206	386033.8367	6910399.067	24.8
L9	58310.51	3.7	58323.2816	44	116	386038.854	6910406.5	3.7	00009N	2.8	99	57134.87	3.83	100	105142	386040.226	6910406.316	24.8
L9	58200.2	4.4	58212.9716	31	118	386044.565	6910413.45	4.4	00009N	3.5	99	57024.66	3.75	110	105118	386045.4353	6910413.876	24.8
L9	58157.68	5.1	58170.4516	26	118	386050.972	6910421.25	5.1	00009N	6.5	99	56982.18	3.72	120	105057	386051.5643	6910422.154	24.8
L9	58145.78	6.2	58158.5516	45	113	386056.565	6910428.06	6.2	00009N	7.2	99	56970.38	3.75	130	105035	386057.95	6910428.483	24.8
L9	58122.08	6.1	58134.8516	36	116	386063.669	6910436.7	6.1	00009N	8.3	99	56946.84	3.76	140	105008	386063.5367	6910438.445	24.8
L9	58117.18	6.9	58129.9516	51	110	386069.799	6910444.16	6.9	00009N	8.1	99	56942.05	3.75	150	104944	386070.687	6910445.225	24.8
L9	58124.72	6.9	58137.4916	41	112	386076.648	6910452.5	6.9	00009N	9.8	99	56949.6	3.7	160	104920	386077.682	6910453.729	24.8
L9	58128.06	7.3	58140.8316	31	117	386082.307	6910459.38	7.3	00009N	10.4	99	56952.8	3.73	170	104858	386082.945	6910461.15	24.8
L9	58136.68	7.4	58149.4516	62	103	386088.386	6910466.78	7.4	00009N	10.4	99	56961.53	3.71	180	104833	386088.141	6910469.426	24.8
L9	58149.4	8.2	58162.1716	50	107	386095.009	6910474.84	8.2	00009N	12.1	99	56974.55	3.64	190	104805	386095.2433	6910477.36	24.8
L9	58154.14	8.1	58166.9116	31	111	386102.012	6910483.37	8.1	00009N	14.2	99	56979.02	3.57	200	104731	386102.86	6910485.65	24.8
L9	58175.86	8.4	58188.6316	53	106	386108.037	6910490.7	8.4	00009N	14.3	99	57000.64	3.65	210	104652	386108.692	6910493.382	24.8
L9	58194.23	9.7	58207.0016	37	105	386114.031	6910497.99	9.7	00009N	16.8	99	57019.49	3.44	220	104616	386117.091	6910498.105	24.8
L9	58216.75	7.9	58229.5216	6	111	386119.967	6910505.22	7.9	00009N	16.3	99	57042.01	3.44	230	104530	386120.9217	6910506.847	24.8
L9	58228.11	8.2	58240.8816	29	107	386127.468	6910514.35	8.2	00009N	17.6	99	57053.77	3.42	240	104442	386127.333	6910517.059	24.8
L9	58254.34	7.6	58267.1116	71	90	386133.521	6910521.71	7.6	00009N	15.2	99	57080.91	3.55	250	104349	386135.2297	6910522.746	24.8
L9	58283.29	6.4	58296.0616	51	100	386140.673	6910530.42	6.4	00009N	14.7	99	57110.88	3.46	260	104242	386140.1643	6910533.13	24.8
L9	58301.09	6.4	58313.8616	31	102	386146.679	6910537.73	6.4	00009N	14.5	99	57129.47	3.3	270	104158	386148.205	6910538.477	24.8
L9	58350.84	5.9	58363.6116	61	94	386152.614	6910544.95	5.9	00009N	13	99	57180.12	3.47	280	104108	386153.124	6910546.653	24.8
L9	58313.29	5.7	58326.0616	71	89	386159.662	6910553.53	5.7	00009N	11.9	99	57142.75	3.51	290	104023	386161.064	6910554.736	24.8
L9	58347.98	5.5	58360.7516	50	98	386165.847	6910561.05	5.5	00009N	12	99	57177.87	3.38	300	103940	386165.846	6910563.453	24.8
L9	58337.22	7.5	58349.9916	33	104	386171.431	6910567.85	7.5	00009N	13.8	99	57167.28	3.38	310	103855	386172.05	6910569.942	24.8
L9	58167.62	10.3	58180.3916	28	103	386177.58	6910575.33	10.3	00009N	18.4	99	56998.6	3.31	320	103807	386177.294	6910578.322	24.8
L9	58133.57	10.6	58146.3416	45	93	386183.936	6910583.07	10.6	00009N	21.9	99	56965.6	3.2	330	103727	386183.064	6910586.755	24.8
L9	58203.53	10	58216.3016	62	86	386190.288	6910590.8	10	00009N	19.8	99	57035.39	3.26	340	103633	386190.9837	6910593.199	24.8
L9	58148.1	6.2	58160.8716	35	91	386197.587	6910599.68	6.2	00009N	19.4	99	56981.17	3.02	350	103548	386198.478	6910602.229	24.8
L9	57921.95	4.4	57934.7216	78	66	386204.067	6910607.57	4.4	00009N	14.9	99	56755.37	3.15	360	103452	386206.93	6910608.319	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L9	57961.31	1.5	57974.0816	26	92	386210.396	6910615.27	1.5	00009N	13.6	99	56795.26	2.94	370	103401	386212.1372	6910617.059	24.8
L9	58103.75	-1.4	58116.5216	32	88	386215.605	6910621.61	-1.4	00009N	12.2	99	56937.82	2.9	380	103318	386216.5933	6910624.15	24.8
L9	58058.03	-2.2	58070.8016	11	95	386222.434	6910629.92	-2.2	00009N	10.2	99	56892.34	2.95	390	103236	386223.56	6910632.634	24.8
L9	58043.91	-3.1	58056.6816	49	84	386228.69	6910637.53	-3.1	00009N	10.8	99	56878.38	3.01	400	103158	386229.7857	6910640.533	24.8
L9	57941.63	-4	57954.4016	17	91	386234.954	6910645.16	-4	00009N	9.2	99	56776.16	2.86	410	103104	386235.415	6910648.883	24.8
L9	57891.4	-1.9	57904.1716	20	92	386240.738	6910652.2	-1.9	00009N	7.7	99	56725.7	2.9	420	103018	386242.0987	6910655.348	24.8
L9	57962	-1.3	57974.7716	23	93	386247.324	6910660.21	-1.3	00009N	7.9	99	56796.02	2.95	430	102939	386250.23	6910662.128	24.8
L9	58003.52	0.8	58016.2916	18	91	386251.181	6910664.91	0.8	00009N	7.2	99	56837.45	2.88	440	102908	386252.8257	6910667.759	24.8
L9	58175.92	0.5	58188.6916	44	83	386258.577	6910673.91	0.5	00009N	5.3	99	57009.67	2.91	450	102834	386258.27	6910678.33	24.8
L9	58270.28	0	58283.0516	54	77	386264.468	6910681.08	0	00009N	3.7	99	57103.88	2.91	460	102816	386265.3517	6910684.617	24.8
L9	58355.45	-3	58368.2216	52	75	386273.667	6910692.27	-3	00009N	1.8	99	57188.8	2.83	470	102754	386277.506	6910693.042	24.8
L9	57967.64	-8.8	57980.4116	0	82	386279.471	6910699.33	-8.8	00009N	-4.7	99	56799.82	2.53	480	102412	386281.152	6910701.63	24.8
L9	58058.53	-14.2	58071.3016	8	84	386286.005	6910707.29	-14.2	00009N	-11.5	99	56890.19	2.6	490	102312	386287.139	6910710.261	24.8
L9	58060.95	-18.1	58060.95	-41	75	386288.256	6910710.03	18.1	00009N	13.5	99	56900.4	2.65	490	145208	386290.413	6910708.719	24.8
L9	58039	-21.6	58039	-34	82	386294.671	6910717.83	21.6	00009N	17.7	99	56878.42	2.75	500	145133	386298.235	6910715.44	24.8
L9	58049.63	-22.4	58049.63	-29	86	386299.392	6910723.58	22.4	00009N	18.4	99	56888.89	2.81	510	145108	386303.361	6910721.037	24.8
L9	58057.55	-20.5	58057.55	-4	95	386304.784	6910730.14	20.5	00009N	15.8	99	56897.04	2.94	520	145048	386308.8307	6910727.763	24.8
L9	58082.99	-19.8	58082.99	-34	86	386312.723	6910739.8	19.8	00009N	16.2	99	56922.45	2.85	530	145019	386316.238	6910738.156	24.8
L9	58102.44	-23.4	58102.44	-2	93	386319.312	6910747.82	23.4	00009N	20.8	99	56941.89	2.88	540	144947	386322.0667	6910747	24.8
L9	58106.48	-23.3	58106.48	-50	85	386324.102	6910753.65	23.3	00009N	17.3	99	56945.78	3.05	550	144919	386325.235	6910754.018	24.8
L9	58133.61	-22.7	58133.61	-60	82	386329.842	6910760.64	22.7	00009N	17.4	99	56972.83	3.12	560	144856	386331.8123	6910760.492	24.8
L9	58146.7	-25.8	58146.7	-54	85	386337.682	6910770.18	25.8	00009N	21.5	99	56985.94	3.11	570	144819	386340.804	6910769.323	24.8
L9	58120.46	-26.8	58120.46	-43	94	386344.12	6910778.01	26.8	00009N	20.7	99	56959.47	3.2	580	144729	386345.1617	6910778.712	24.8
L9	58113.33	-26.2	58113.33	-45	95	386350.782	6910786.12	26.2	00009N	20.6	99	56952.48	3.25	590	144656	386354.0673	6910784.659	24.8
L9	58104.12	-26.9	58104.12	-55	92	386357.03	6910793.72	26.9	00009N	19.7	99	56943.23	3.31	600	144617	386362.8407	6910789.549	24.8
L9	58110.05	-26.6	58110.05	-37	103	386363.626	6910801.75	26.6	00009N	19.2	99	56949.13	3.37	610	144552	386363.67	6910800.121	24.8
L9	58084.75	-23.4	58084.75	-53	100	386369.947	6910809.45	23.4	00009N	15.3	99	56923.81	3.5	620	144521	386368.59	6910809.012	24.8
L9	58082.74	-22.4	58082.74	-39	110	386376.53	6910817.46	22.4	00009N	13.1	99	56921.69	3.59	630	144456	386377.315	6910815.001	24.8
L9	58100.53	-18.8	58100.53	-45	108	386383.242	6910825.63	18.8	00009N	9.2	99	56939.39	3.6	640	144430	386384.9033	6910822.673	24.8
L9	58222.45	-16.7	58222.45	-19	114	386389.167	6910832.84	16.7	00009N	5.8	99	57061.15	3.56	650	144400	386389.7446	6910830.877	24.8
L9	58118.01	-14	58118.01	-40	112	386395.549	6910840.6	14	00009N	2.2	99	56956.7	3.68	660	144318	386395.912	6910839.076	24.8
L9	58074.27	-11.1	58074.27	-41	110	386402.031	6910848.49	11.1	00009N	-1	99	56912.92	3.63	670	144249	386402.3397	6910847.277	24.8
L9	58397.55	-10.2	58397.55	-21	112	386408.738	6910856.65	10.2	00009N	-4.6	99	57236.19	3.52	680	144224	386405.75	6910857.505	24.8
L9	58132.06	-10.3	58132.06	-49	106	386416.082	6910865.59	10.3	00009N	-4.8	99	56970.62	3.6	690	144154	386414.056	6910865.897	24.8
L9	58093.39	-10.4	58093.39	-36	109	386421	6910871.58	10.4	00009N	-7.3	99	56931.92	3.55	700	144130	386420.225	6910870.84	24.8
L9	58082.21	-10.9	58082.21	-49	104	386427.723	6910879.76	10.9	00009N	-7.6	99	56920.64	3.54	710	144109	386428.585	6910877.69	24.8
L9	58088.66	-11.2	58088.66	-39	108	386434.247	6910887.7	11.2	00009N	-8.3	99	56926.92	3.53	720	144045	386432.473	6910887.432	24.8
L9	58098.12	-11.9	58098.12	-64	93	386439.879	6910894.55	11.9	00009N	-8.6	99	56936.35	3.5	730	144020	386438.394	6910894.282	24.8
L9	58106.56	-11.9	58106.56	-73	89	386446.055	6910902.07	11.9	00009N	-7.7	99	56944.76	3.56	740	143958	386443.0377	6910903.057	24.8
L9	58098.54	-13.6	58098.54	-44	100	386452.511	6910909.93	13.6	00009N	-8.4	99	56936.67	3.39	750	143929	386449.229	6910911.387	24.8
L9	58100.59	-13.9	58100.59	-57	93	386458.718	6910917.48	13.9	00009N	-8.9	99	56938.7	3.36	760	143906	386454.854	6910919.628	24.8
L9	58092.38	-14.6	58092.38	-71	87	386464.801	6910924.88	14.6	00009N	-8.9	99	56930.39	3.47	770	143844	386459.9767	6910927.958	24.8
L9	58102.78	-17.1	58102.78	-66	90	386472.597	6910934.37	17.1	00009N	-6.5	99	56940.64	3.45	780	143808	386469.316	6910936.316	24.8
L9	58087.83	-18.3	58087.83	-85	77	386477.853	6910940.77	18.3	00009N	-4.4	99	56925.59	3.56	790	143744	386476.634	6910940.54	24.8
L9	58114.92	-19.4	58114.92	-72	91	386484.222	6910948.52	19.4	00009N	-4.8	99	56952.58	3.58	800	143721	386483.8487	6910947.805	24.8
L9	58107.17	-20	58107.17	-66	94	386491.177	6910956.98	20	00009N	-5.1	99	56944.9	3.54	810	143654	386491.4967	6910955.962	24.8
L9	58093.52	-21.4	58093.52	-31	106	386497.09	6910964.18	21.4	00009N	-5.1	99	56931.19	3.41	820	143629	386495.338	6910964.657	24.8
L9	58045.98	-20.5	58045.98	-59	98	386503.689	6910972.21	20.5	00009N	-5.8	99	56883.51	3.53	830	143601	386502.5066	6910972.477	24.8

Line	Corr_Mag	final_ip	Final_Mag	h1	h2	Interp_E	Interp_N	ip	Line	op	Q	Raw_Mag	Signal_Strength	Station	time	UTME_WGS84_8N	UTMN_WGS84_8N	VLF_Frequency
L9	58057.41	-21.6	58057.41	-39	106	386509.928	6910979.8	21.6	00009N	-5.9	99	56894.91	3.5	840	143528	386508.851	6910980.246	24.8
L9	58105.57	-20.7	58105.57	-40	42	386517.109	6910988.54	20.7	00009N	-3.6	99	56943.02	3.63	850	143451	386516.4343	6910988.95	24.8
L9	58099.6	-16.5	58099.6	-60	16	386521.928	6910994.41	16.5	00009N	-3.6	99	56935.62	3.86	860	143005	386521.9327	6910994.407	24.8