Zonge Engineering and Research Organization (Australia) Pty. Ltd.

Henty Gorge and White Spur
Fixed Loop EM Survey

Logistics Summary

December 2005

for

Zinifex Ltd

Compiled by:

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Report No: 683 Date : February 2006

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1. SUMMARY

During December of 2005, Zonge Engineering and Research Organization (Zonge) mobilised a three-person geophysical field crew to Rosebery, western Tasmania to conduct a fixed loop EM survey for Zinifex Ltd.

During the course of the survey, data was read from four transmitting loops within the Henty Gorge and a single loop within the White Spur prospect. The survey consisted of 29 lines of fixed loop EM over the two prospects.

A total of 543 fixed loop EM soundings, producing 16.3 line kilometres of data were taken within the Henty and White Spur prospects.

Data quality and repeatability were monitored throughout the course of the survey. Strict acquisition procedures were adhered to, which ensured that good quality data were collected.

2. TEM INSTRUMENTATION

A Zonge multipurpose GDP-32II receiver was used to take all of the data for this project. These receivers are backpack-portable, microprocessor-controlled and capable of simultaneously gathering data on up to sixteen channels (usually configured for two channels for TEM). Each day's data were downloaded every evening from the receiver's solid-state memory to a portable computer. Preliminary processing and plotting were completed in the field. Final processing and plotting were completed in Zonge Engineering's Adelaide office.

Transmitted fields were generated using a Zonge GGT-30 geophysical transmitter powered by a ZMG-7.5 generator system for loop 8. A Zonge GGT-10 geophysical transmitter was used for the remaining loops. Signal frequency and synchronisation were controlled directly by an XMT-32 transmitter controller.

3. TEM SURVEY PARAMETERS

Transmitter loops were of varying sizes with corner co-ordinates and side lengths given below in Table 1. All loops were constructed of a single turn of standard 2.5mm^2 copper wire. Transmitting current varied throughout the survey due to different loop configurations and ranged between 13.0 and 18.0 Amperes. The receiving antenna was a standard Zonge TEM-3 coil, which has an effective area of 10,000 square metres. The fixed loop TEM data were collected at a base frequency of 32 hertz. A minimum of 512 cycles (usually 1024) with three stacks recorded at each station. In the case of detailed surveying (25 metre station spacing), four stacks of data were recorded. The transmitter delay (ramp) was measured using an oscilloscope and then set in the receiver, this delay time varied with transmitter type and loop size and ranged from 180 to 300 microseconds.

Table 1. Transmitter loop co-ordinates.

Loop	Approximate Dimensions (m)	Corner	AMG E	AMG N
Henty 8	500 x 800	NW	376300	5356380
		NE	376800	5356380
		SE	376788	5355654
		SW	376284	5355658

Henty 5	550 x 1200	NW	376825	5355600
		NE	377400	5355600
		SE	377400	5354400
		SW	376900	5354400
Henty 4	550 x 1200	NW	376825	376250
		NE	376825	5355600
		SE	376900	5354400
		SW	376900	376250
Henty 9	500 x 800	NW	376399	5355806
		NE	376800	5355800
		SE	376900	5354996
		SW	376398	5355000
White Spur 3	~800 x 800	NW	374690	5363870
		NE	375665	5363995
		SE	375611	5363240
		SW	374880	5363240

4. PROBLEMS

Significant delays were experienced during the survey due to apparent problems with the transmitting equipment. After the first of the Henty loops (8) was completed, data recorded on loop 5 was seriously affected by ringing. All transmitting and receiving equipment (where possible) was tested in the field resulting in the conclusion, at the time, that the transmitter was at fault. As a consequence of the time required to ship a replacement transmitter from Adelaide and the time of year, it was decided that the crew should return to Adelaide for the Christmas period. During this time a replacement transmitter was shipped to Rosebery for the commencement of the survey in January. The crew departed Tasmania on the 13th of December and returned on the 11th of January.

When survey re-commenced in January it was found that the data recorded on Henty loop 5 was still affected by ringing. As all transmitting equipment had been replaced it was decided to modify the transmitting loop by removing the tails and transporting all transmitting equipment to the corner of the loop. This was made possible as the replacement GGT-10 transmitter is much smaller and more portable. The data was then found to have improved and production re-commenced on the 14th of January.

On departure from Rosebery on the 13th of December one of Zonge's vehicles was involved in a single vehicle accident. No injuries resulted and production was not affected. As a result of the accident, the damaged vehicle was left for repair in Rosebery and was later stored at the Zinifex Exploration office.

A single day's delay occurred toward the end of the survey due to two of the crew members becoming ill.

5. PRODUCTION SUMMARY

Table 2 gives a summary of the production of Job 683.

Table 2. Production Summary.

Date	Description
7th December	Crew travels from Queenstown to Rosebery, met with client and set-up and tested transmitter on site.
8th and 9th December	Completed reading lines 5600N, 5800N, 6000N and 6200N on Henty loop 8.
9th and 10th December	Completed setting up transmitter on Henty loop 5 and commenced reading.
11th and 12th December	Continued reading on Henty loop 5 until problem with data recognised as ringing. Testing all equipment to isolate problem with transmitter.
13th December	Crew travelled from Rosebery to Adelaide for a break coinciding with transmitter repair period.
14th December to 10th January	Crew break.
11th January	Crew travelled from Adelaide to Rosebery.
12th to 14th January	Crew tested battery powered transmitter however achievable power too low for large loop. Crew awaited arrival of equipment to use backup transmitter. Replacement transmitter tested and re-located to corner of loop, abandoning loop tails.
14th to 17th January	Completed reading lines 4400N, 4600N, 4800N, 5000N, 5200N and 5400N on western side of Henty loop 5.
17th and 18th January	Completed reading lines 4800N, 5000N, 5200N, 5400N and 5600N on eastern side of Henty loop 5.
19th and 20th January	Set-up Henty loop 4 and completed reading lines 4400N, 4600N, 4800N, 5000N, 5200N, 5400N and 5600N.
21st January	Set-up Henty loop 9 and commenced reading.
22nd January	Crew took sick day after two crew members became ill.
23rd January	Completed reading Henty loop 9 lines 5200N, 5400N and 5600N. All Henty work complete.
24th January	Picked up all wire at Henty and set-up loop at White Spur.
25th and 26th January	Completed reading White Spur Loop 3, lines 3200N, 3400N, 3600N and 3800N. All White Spur reading complete.
27th January	Picked up all wire remaining at White Spur and reeled in all hand wound wire. Job complete.

A more detailed description of daily production can be found on the accompanying CD under "Production_Reports".

6. DATALIST

Table 3. Data summary of fixed loop EM data.

Prospect	Survey Type	Loop	Line	Start	Finish	Frequency	Station Spacing (m)	No of stations
Henty Gorge	Fixed loop EM	4	4400N	6950	7400	32Hz	50	10
Henty Gorge	Fixed loop EM	4	4600N	6950	7450	32Hz	50	11
Henty Gorge	Fixed loop EM	4	4800N	6950	7450	32Hz	50	11
Henty Gorge	Fixed loop EM	4	5000N	6950	7450	32Hz	50	11
Henty Gorge	Fixed loop EM	4	5200N	6950	7400	32Hz	50	10
Henty Gorge	Fixed loop EM	4	5400N	6900	7400	32Hz	50	11
Henty Gorge	Fixed loop EM	4	5600N	6850	7450	32Hz	50	13
Henty Gorge	Fixed loop EM	5	4800N-E	7475	7825	32Hz	50	8
Henty Gorge	Fixed loop EM	5	5000N-E	7500	7875	32Hz	50	9
Henty Gorge	Fixed loop EM	5	5200N-E	7450	7875	32Hz	50	10
Henty Gorge	Fixed loop EM	5	5400N-E	7450	7800	32Hz	50	8
Henty Gorge	Fixed loop EM	5	5600N-E	7500	7700	32Hz	50	5
Henty Gorge	Fixed loop EM	5	4400N-W	6300	6850	32Hz	50	12
Henty Gorge	Fixed loop EM	5	4600N-W	6600	6850	32Hz	50	6
Henty Gorge	Fixed loop EM	5	4800N-W	6400	6850	32Hz	50	10
Henty Gorge	Fixed loop EM	5	5000N-W	6500	6850	32Hz	50	8
Henty Gorge	Fixed loop EM	5	5200N-W	6000	6875	32Hz	25	36
Henty Gorge	Fixed loop EM	5	5400N-W	5900	6825	32Hz	25	38
Henty Gorge	Fixed loop EM	8	5600N	5600	6275	32Hz	25	28
Henty Gorge	Fixed loop EM	8	5800N	5600	6275	32Hz	25	28
Henty Gorge	Fixed loop EM	8	6000N	5600	6275	32Hz	25	28
Henty Gorge	Fixed loop EM	8	6200N	5600	6275	32Hz	25	28
Henty Gorge	Fixed loop EM	9	5200N	6000	6800	32Hz	25	32
Henty Gorge	Fixed loop EM	9	5400N	5900	6700	32Hz	25	32
Henty Gorge	Fixed loop EM	9	5600N	5800	6600	32Hz	25	32
White Spur	Fixed loop EM	3	3200N	4175	4825	32Hz	25	27
White Spur	Fixed loop EM	3	3400N	4050	4700	32Hz	25	27
White Spur	Fixed loop EM	3	3600N	4000	4675	32Hz	25	28
White Spur	Fixed loop EM	3	3800N	4025	4650	32Hz	25	26
Total number of fixed loop EM stations								**543**
Total line kilometres								**16.3**

No other data were collected during this survey.

7. DATA PROCESSING

The quality of each decay curve for each block of data was examined before being averaged to create a single decay for each station. Any blocks that were considered of poor quality were skipped before averaging each stations data. All raw data taken during this survey is included on the accompanying CD so that this data may be re-averaged if necessary. The averaged data for each station was then used to produce Log-Linear profile plots of dBz/dt for each line (Appendix I).

AMIRA format TEM files were produced using the Zonge program TEMTRIM.

All plot files were converted to Adobe PDF files.

No other data were processed for this survey.

8. EXPLANATION OF FILES

Digital data is provided on CD along with paper plots of the data. Data from each fixed loop EM line are placed in the following directory structure on the accompanying CD;

```
Processed_Data\Prospect\Loop_#\line#
```

File formats are explained below:

- ***.AVG** files created by Zonge's TEMAVG containing averaged data.
- ***.CHN** TEM window times in µs.
- ***.D*** HPGL plot files of decay plots un-averaged.
- ***.FLD** Zonge field file – intermediate processing file.
- ***.MDE** files containing processing information.
- ***.PDF** Adobe Portable Document Format file containing plots and report.
- ***.RAW** the edited raw data downloaded from the GDP-32.
- ***.TEM** station averaged TEM decay data in AMIRA format.
- ***.W*** HPGL plot files of decay plots – averaged.
- ***.Z** files used for plotting containing amplitudes normalised by the amperage.
- ***.X01** contains log-linear amplitude data in uV/A

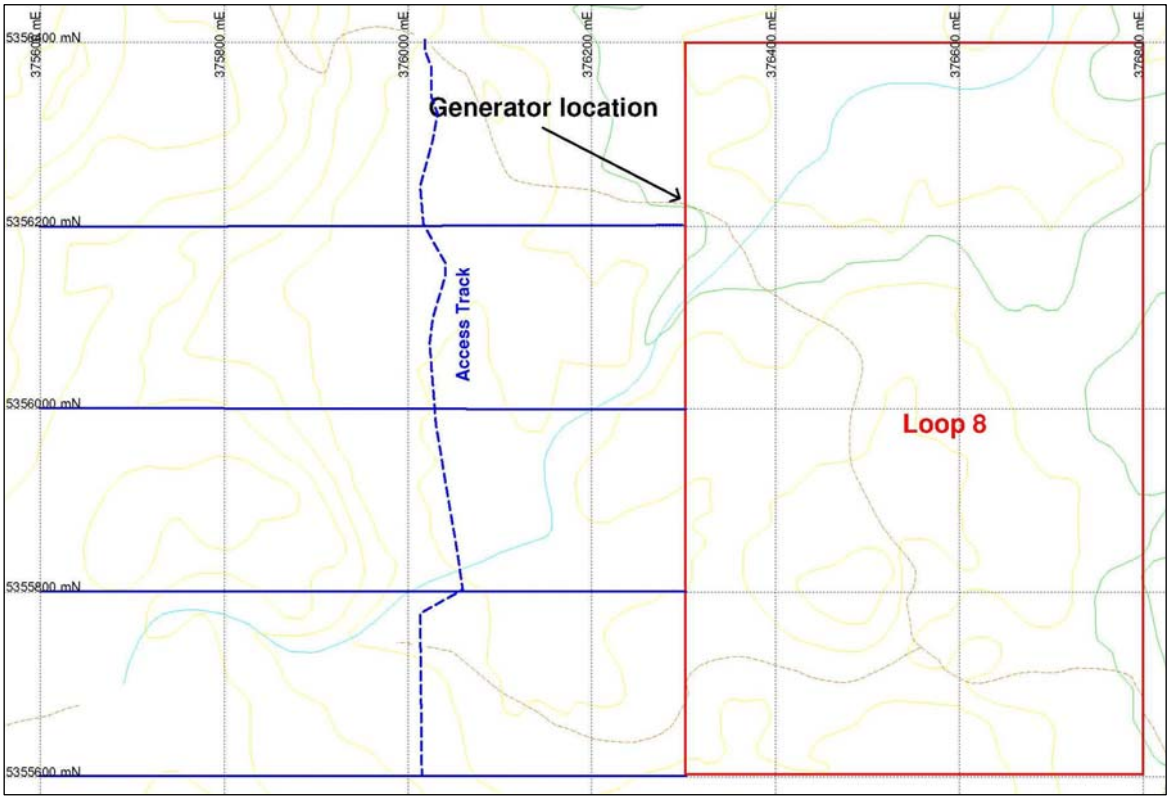


Figure 1. Map of Henty transmitter loop 8.

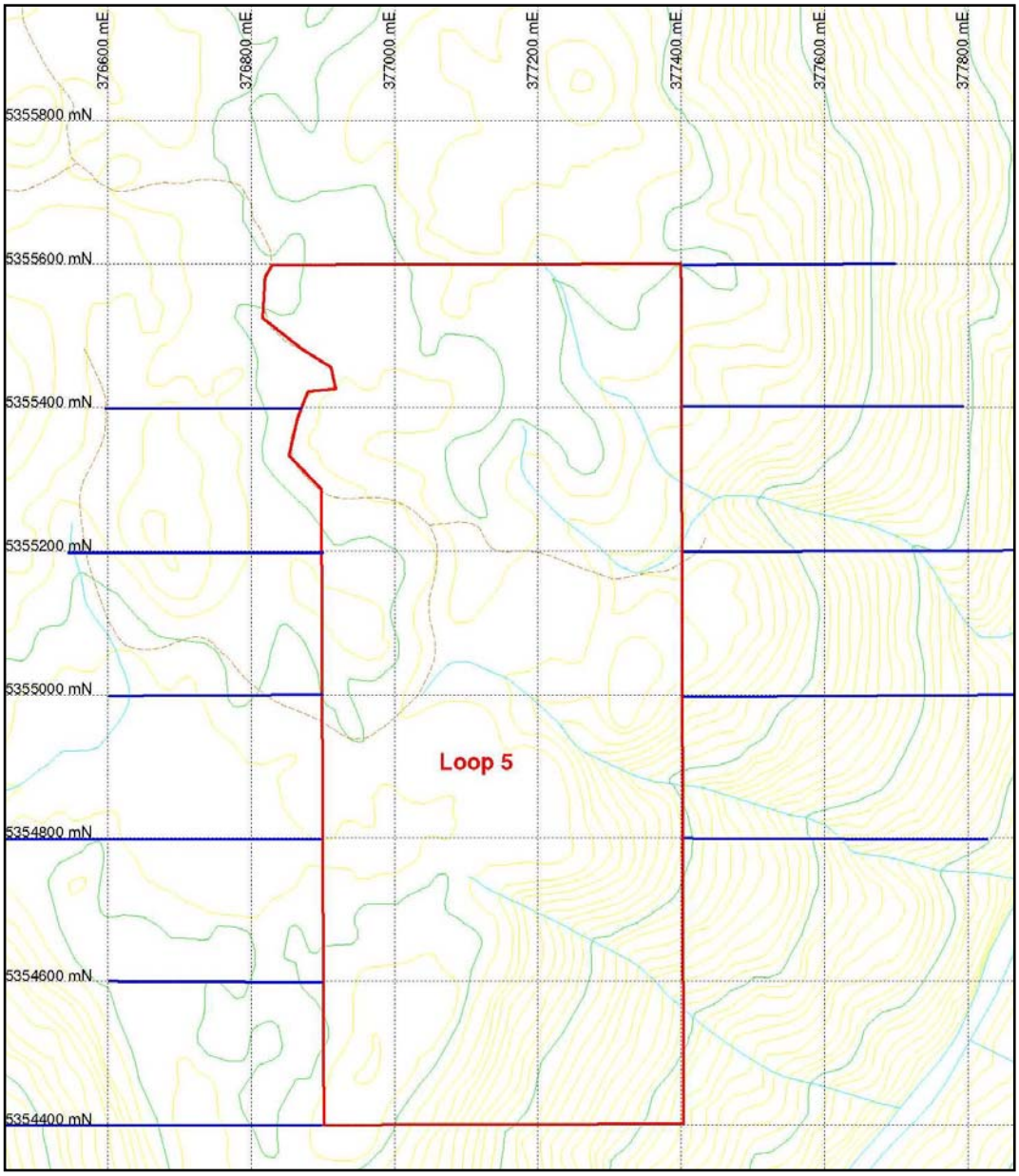


Figure 2. Map of Henty transmitter loop 5.

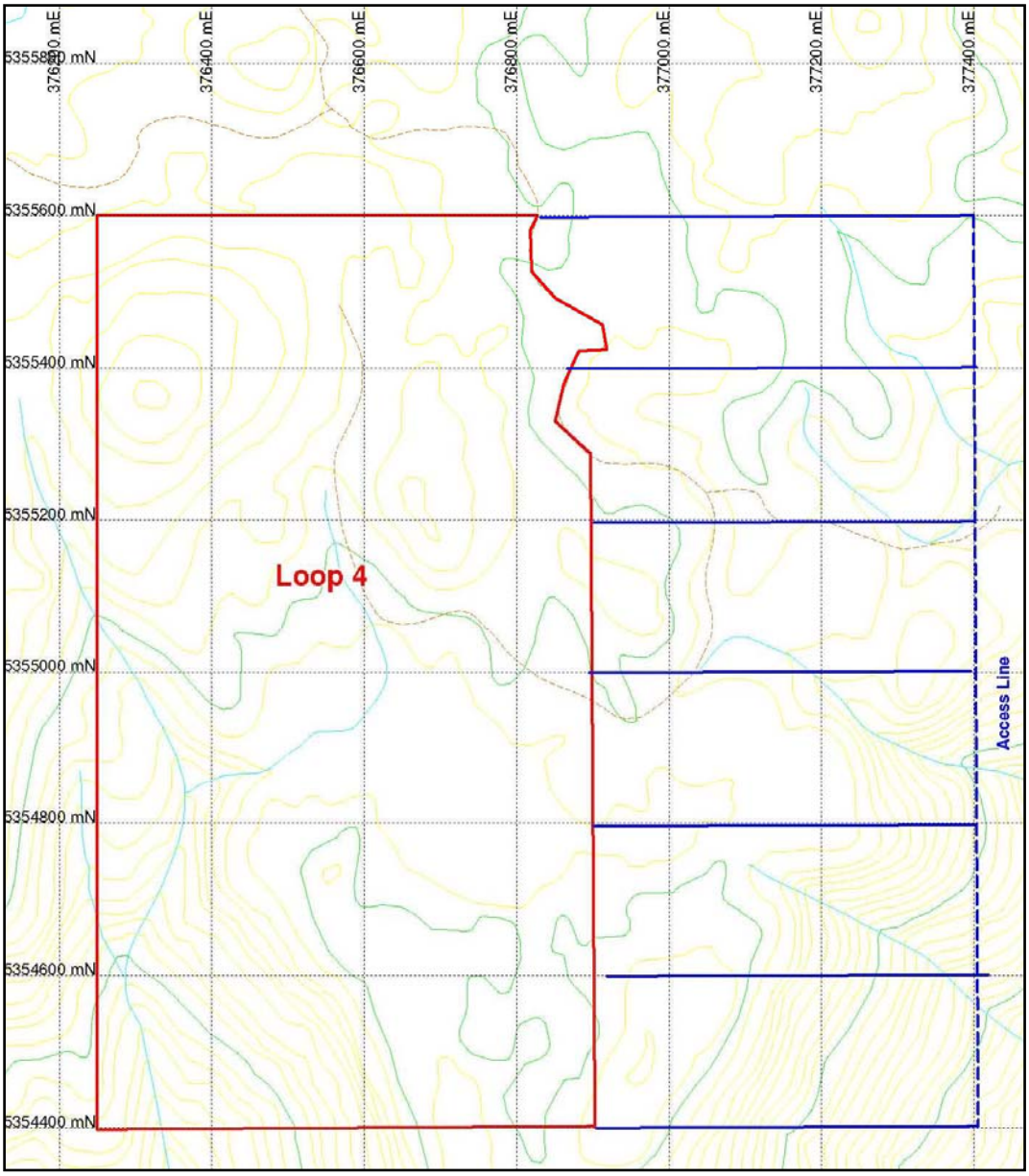


Figure 3. Map of Henty transmitter loop 4.

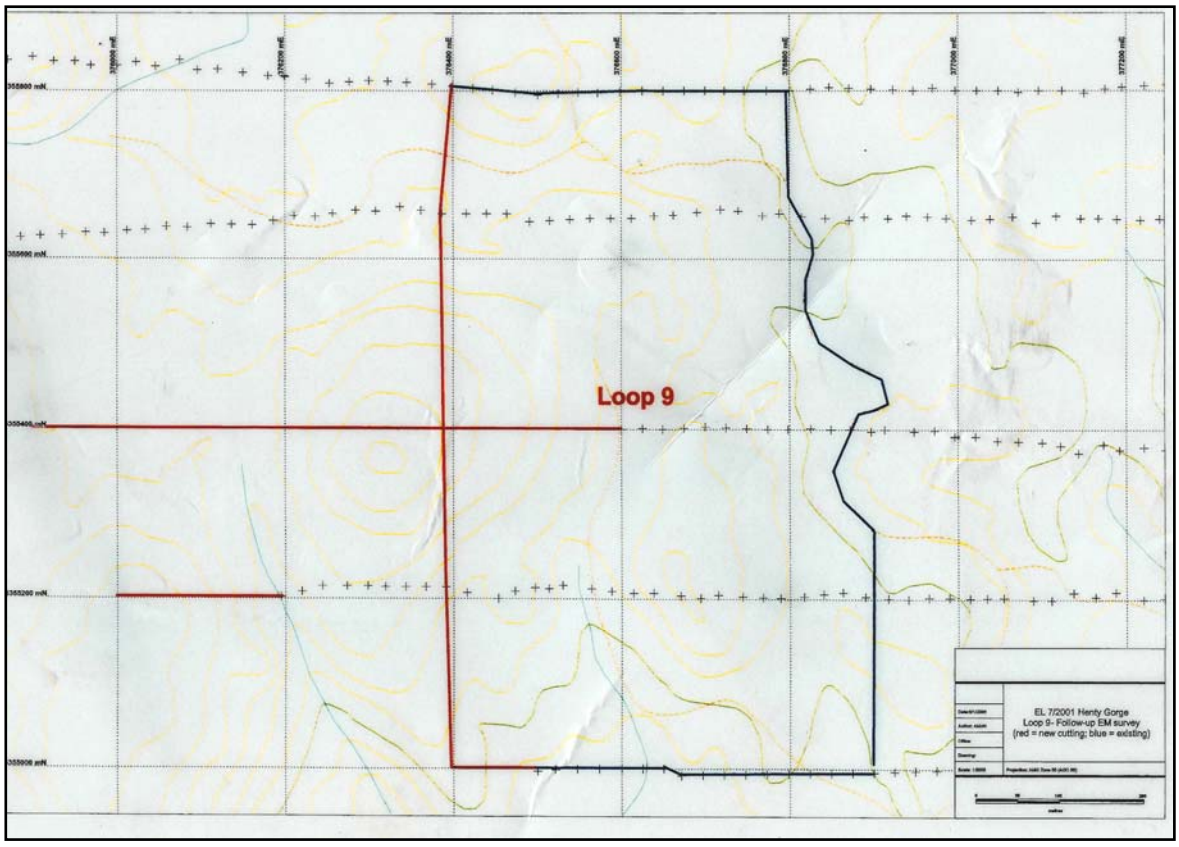


Figure 4. Map of Henty transmitter loop 9.

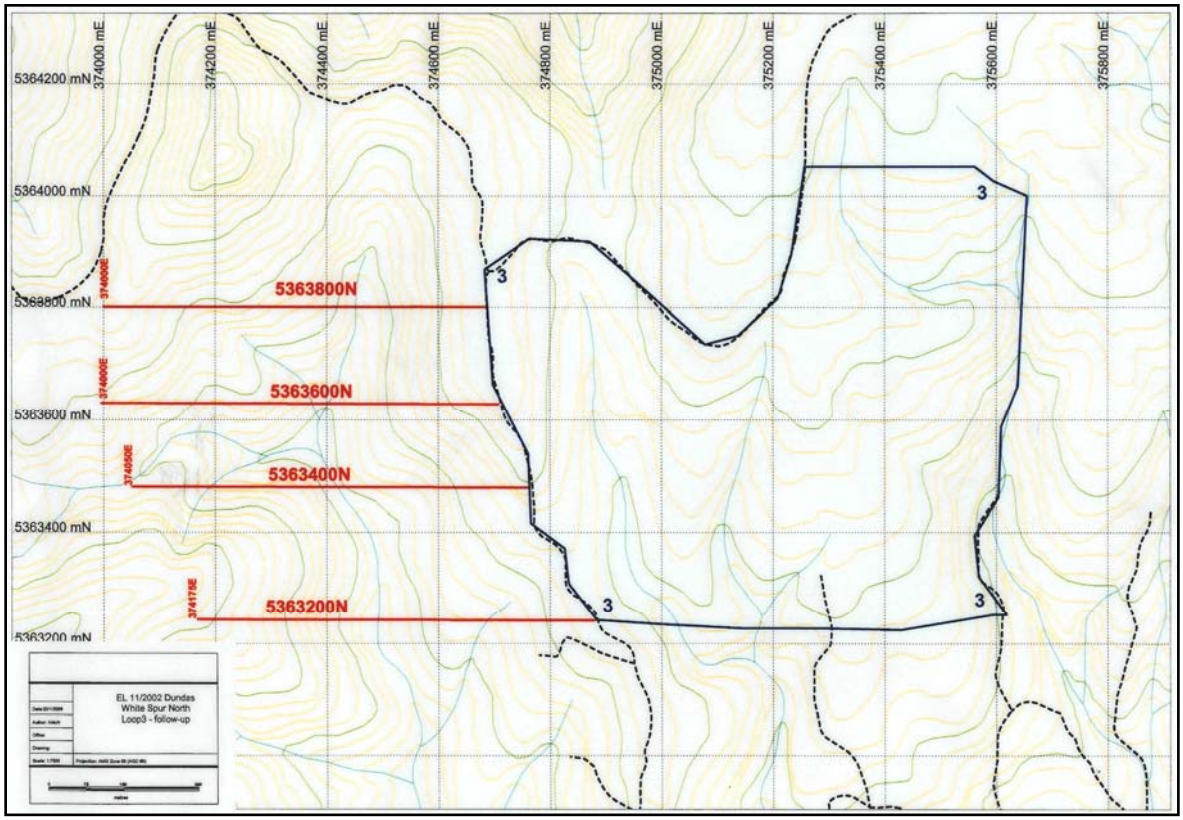


Figure 5. Map of White Spur transmitter loop 3.

Appendix 1

Henty and White Spur Fixed Loop EM dB/dT Profiles.

Line 4400N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-4400N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

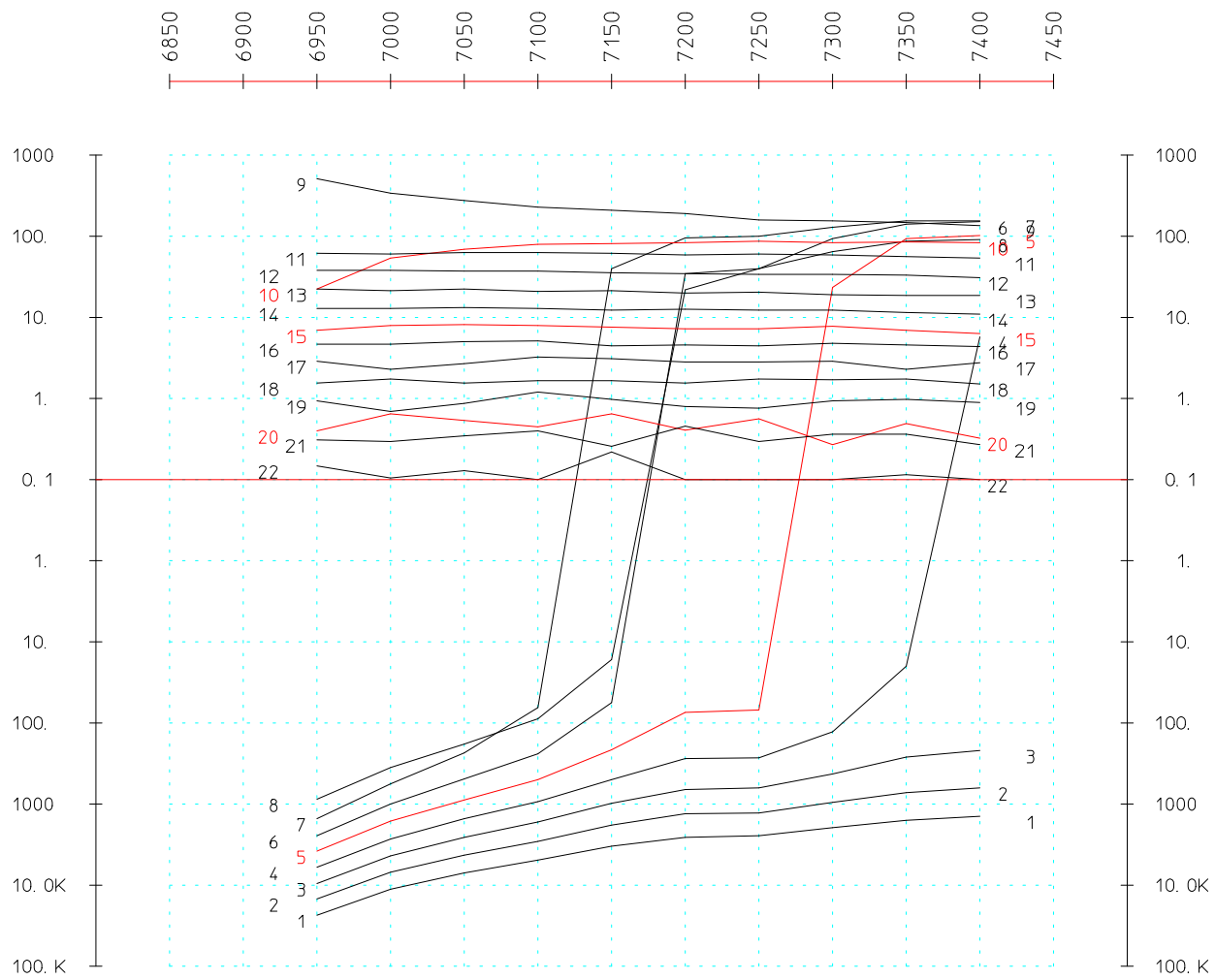
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4600N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-4600N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

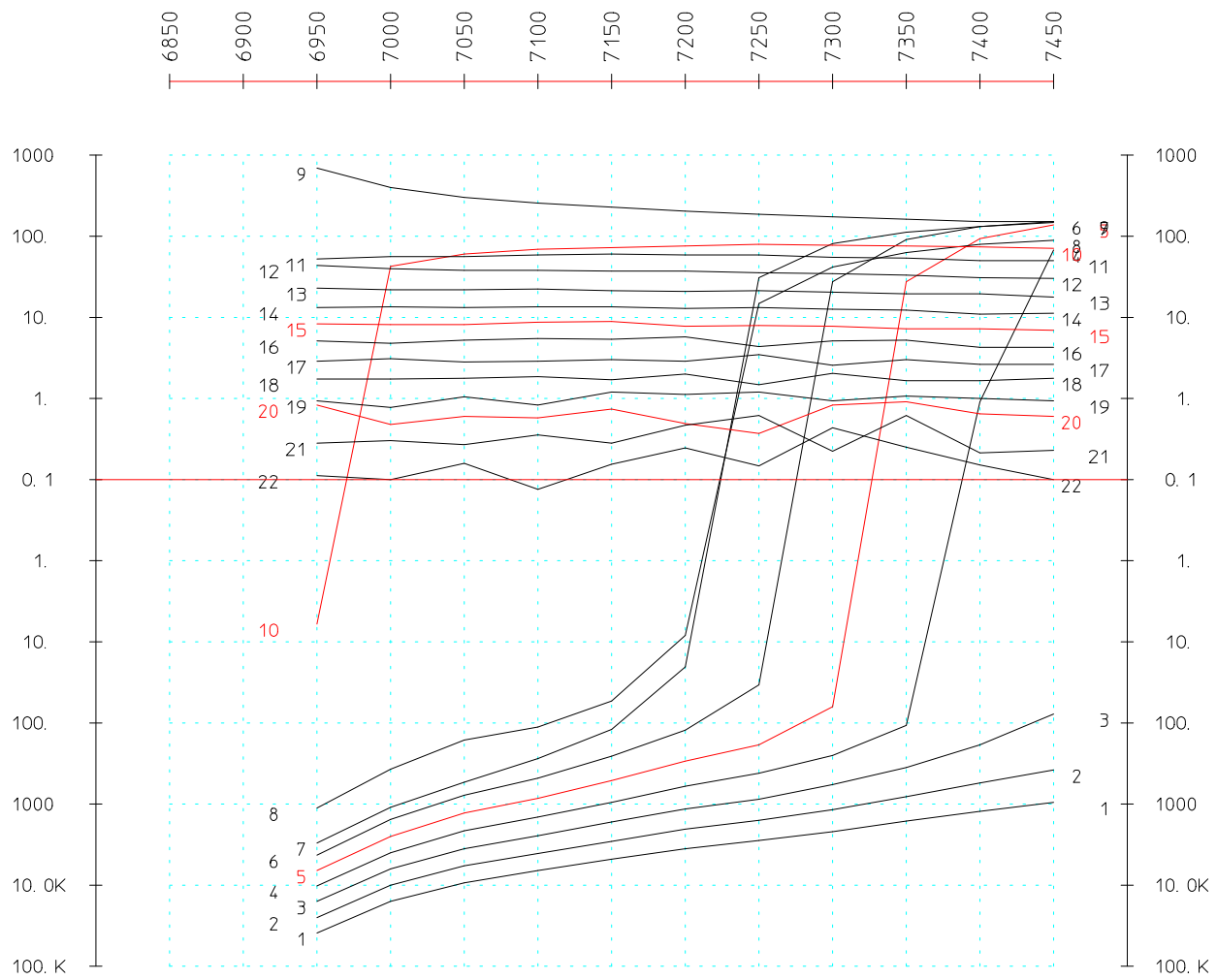
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4800N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-4800N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

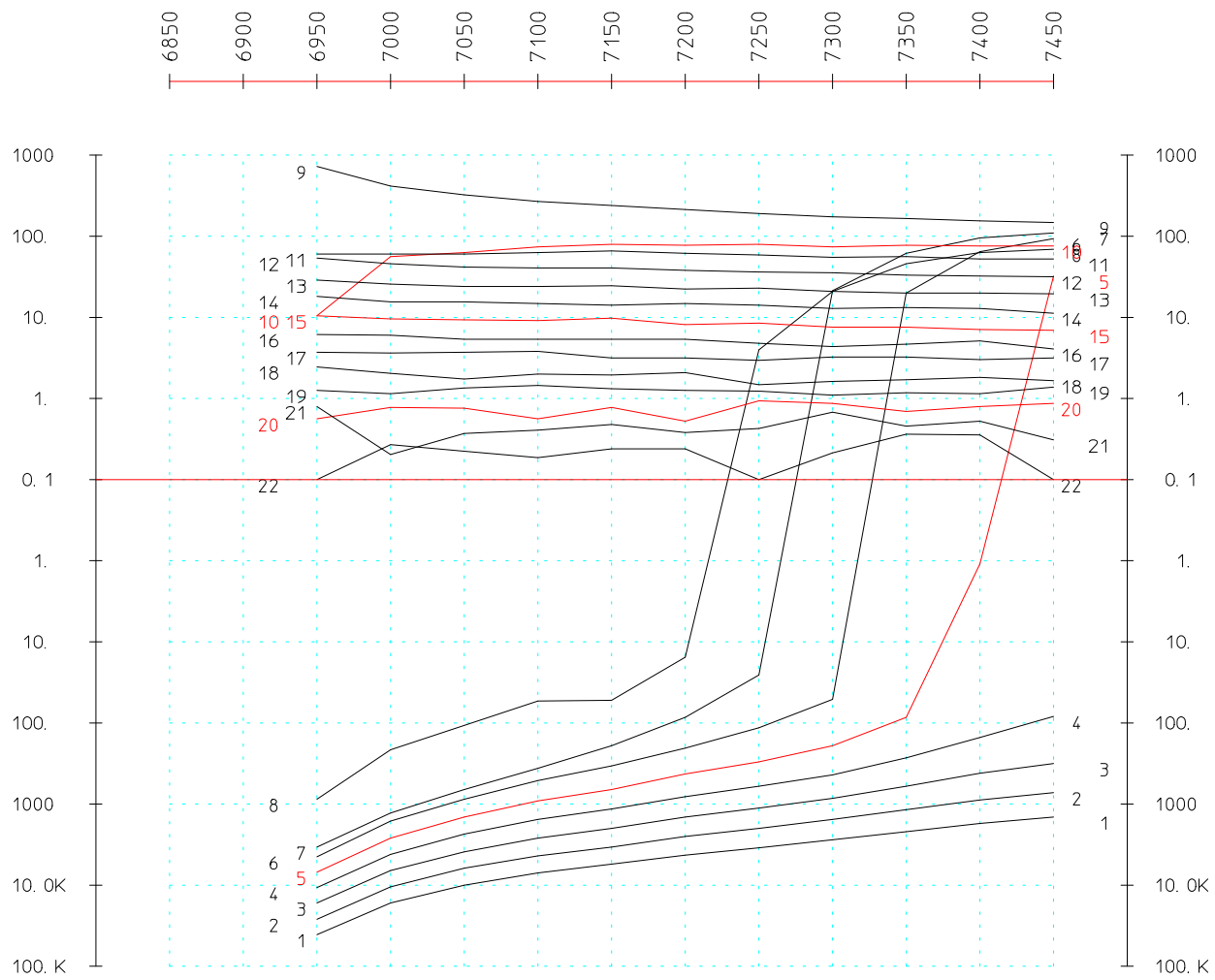
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5000N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-5000N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

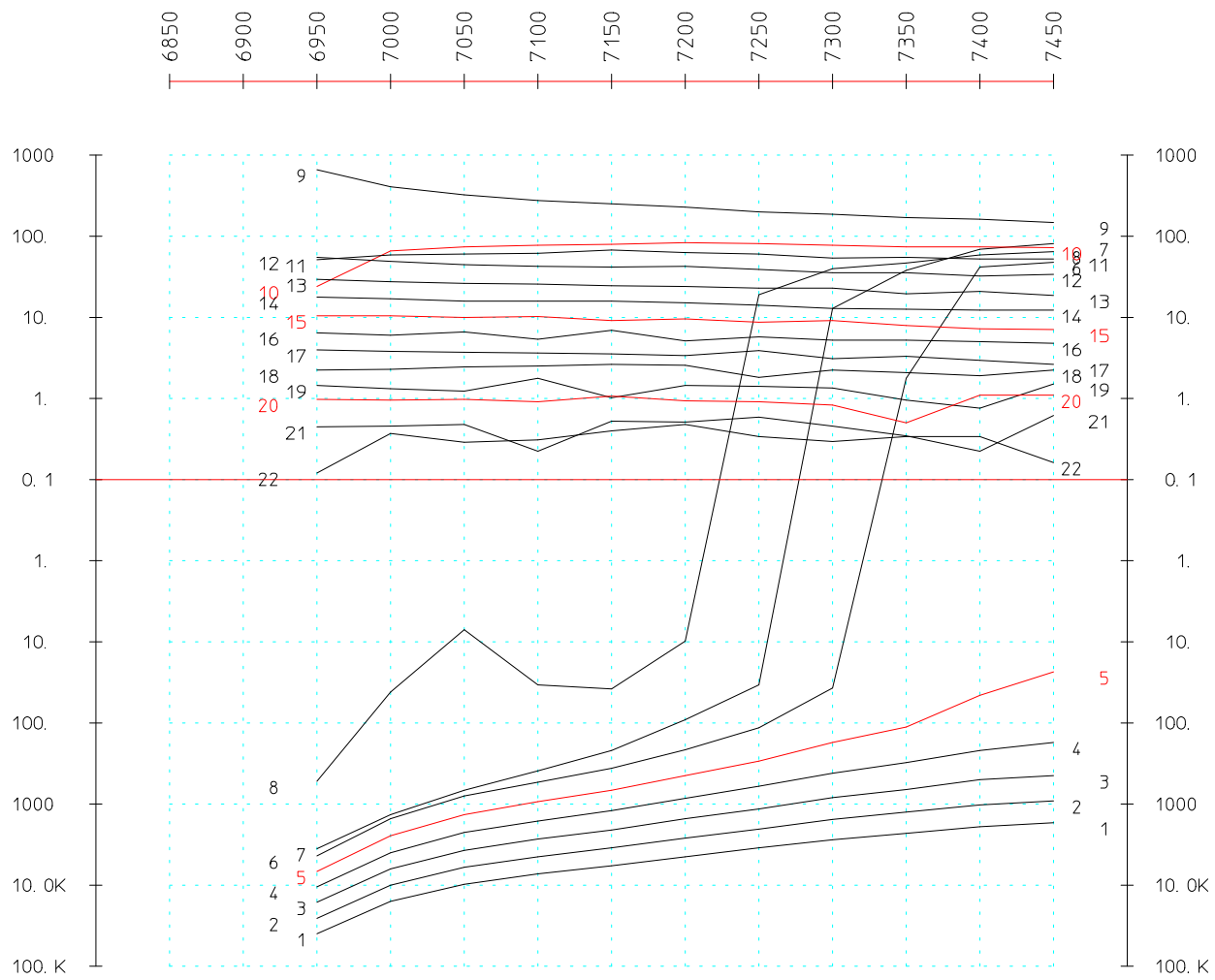
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5200N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-5200N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

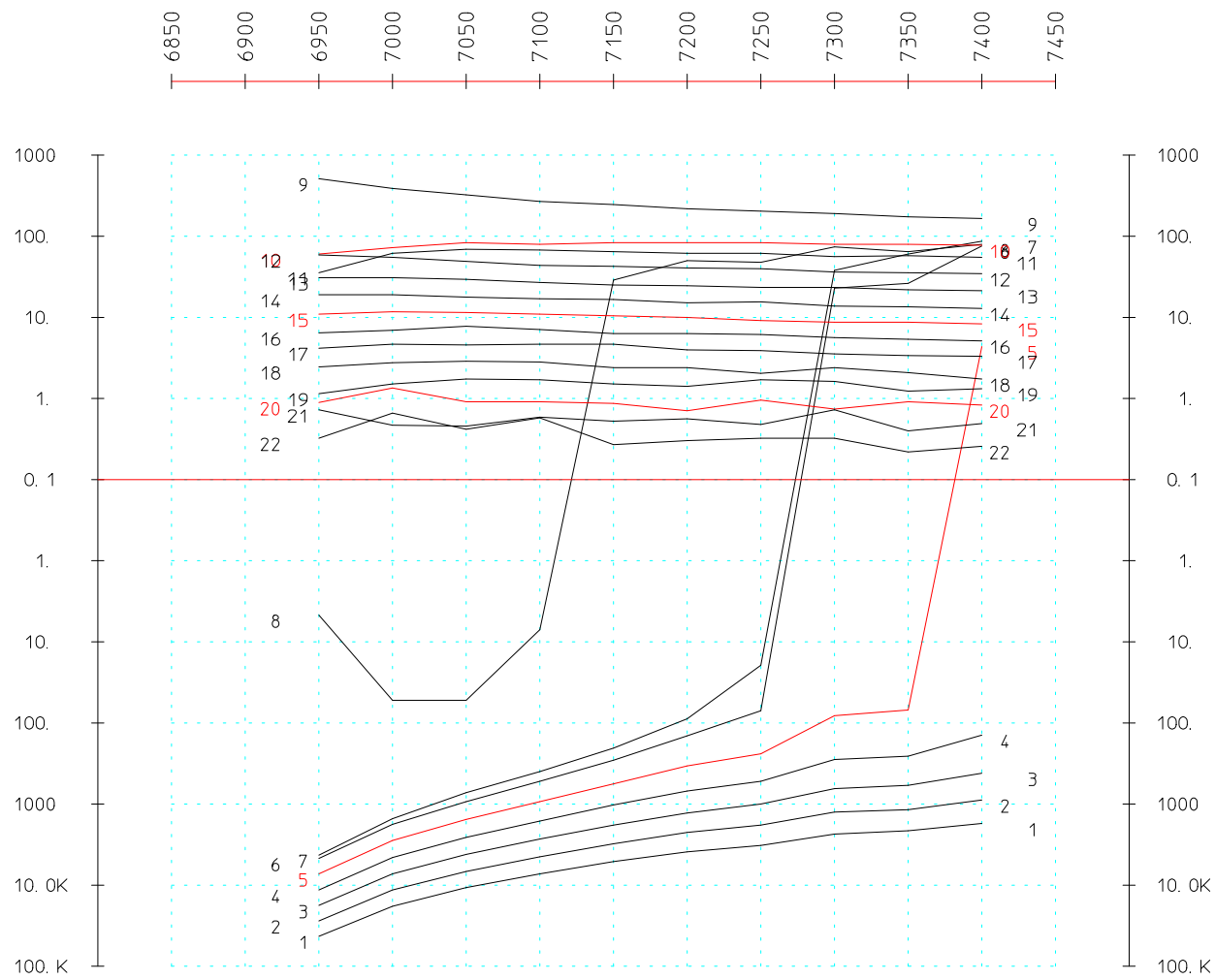
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5400N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-5400N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

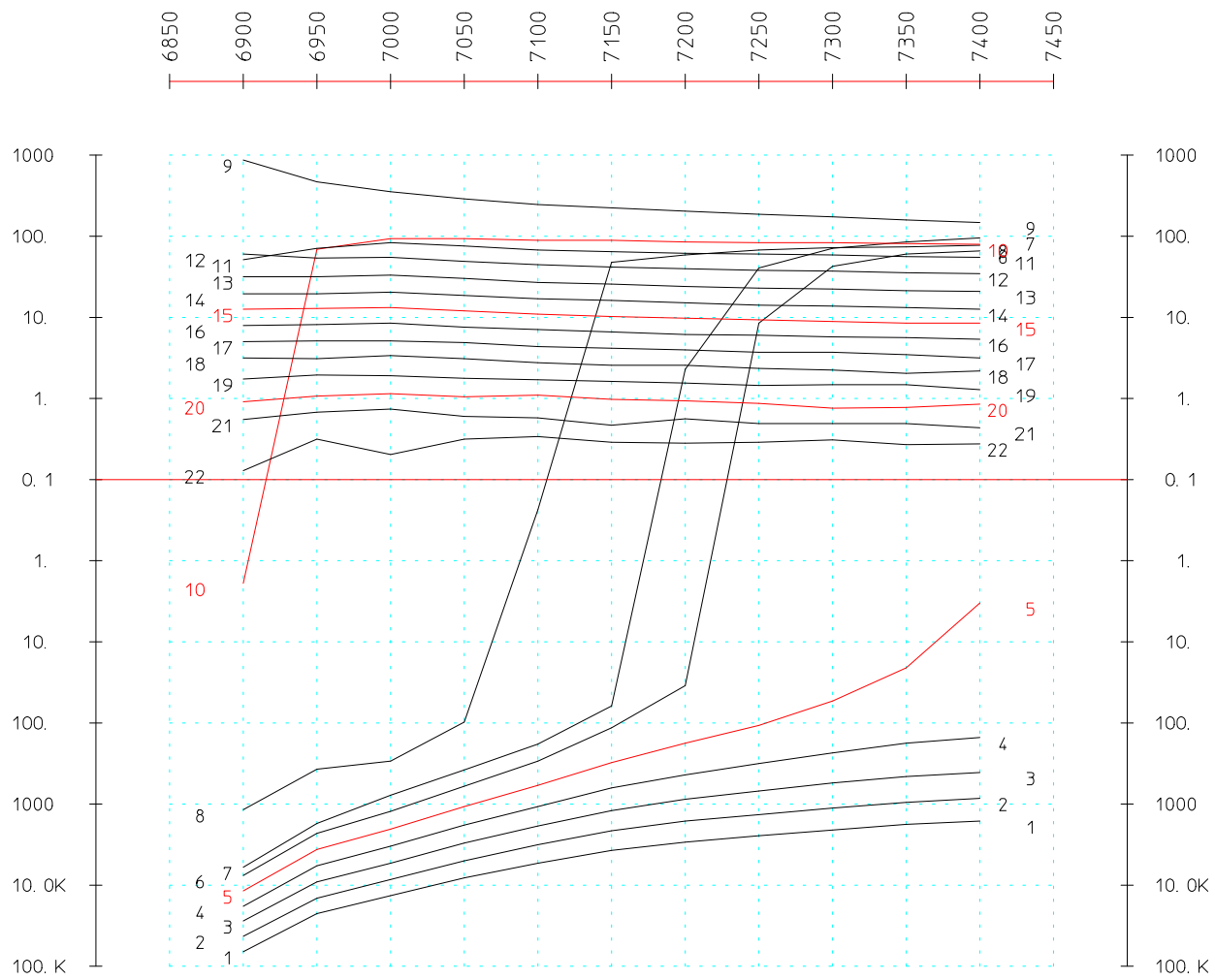
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5600N
Henty Loop 4
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H4-5600N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

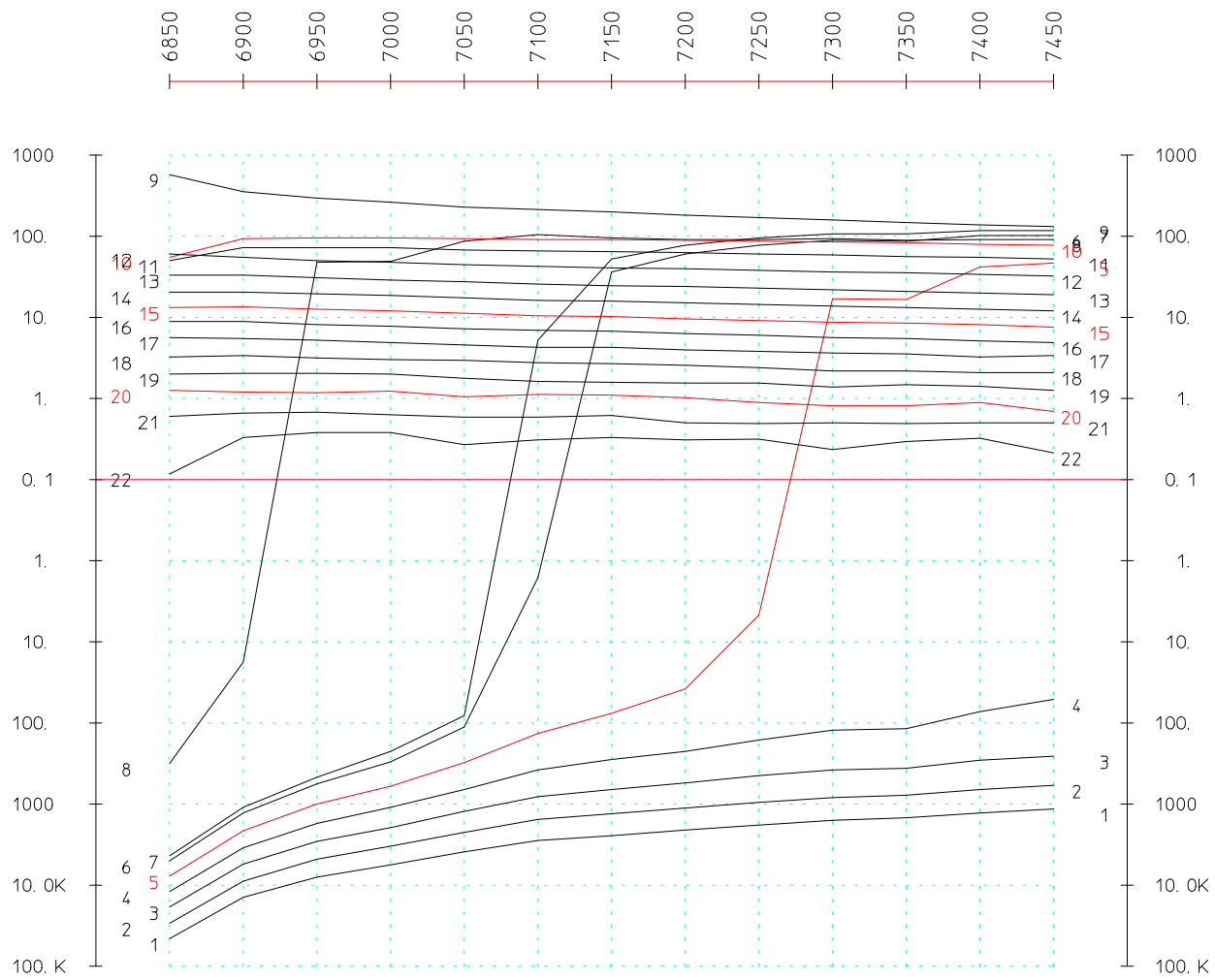
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4400N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 4400N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
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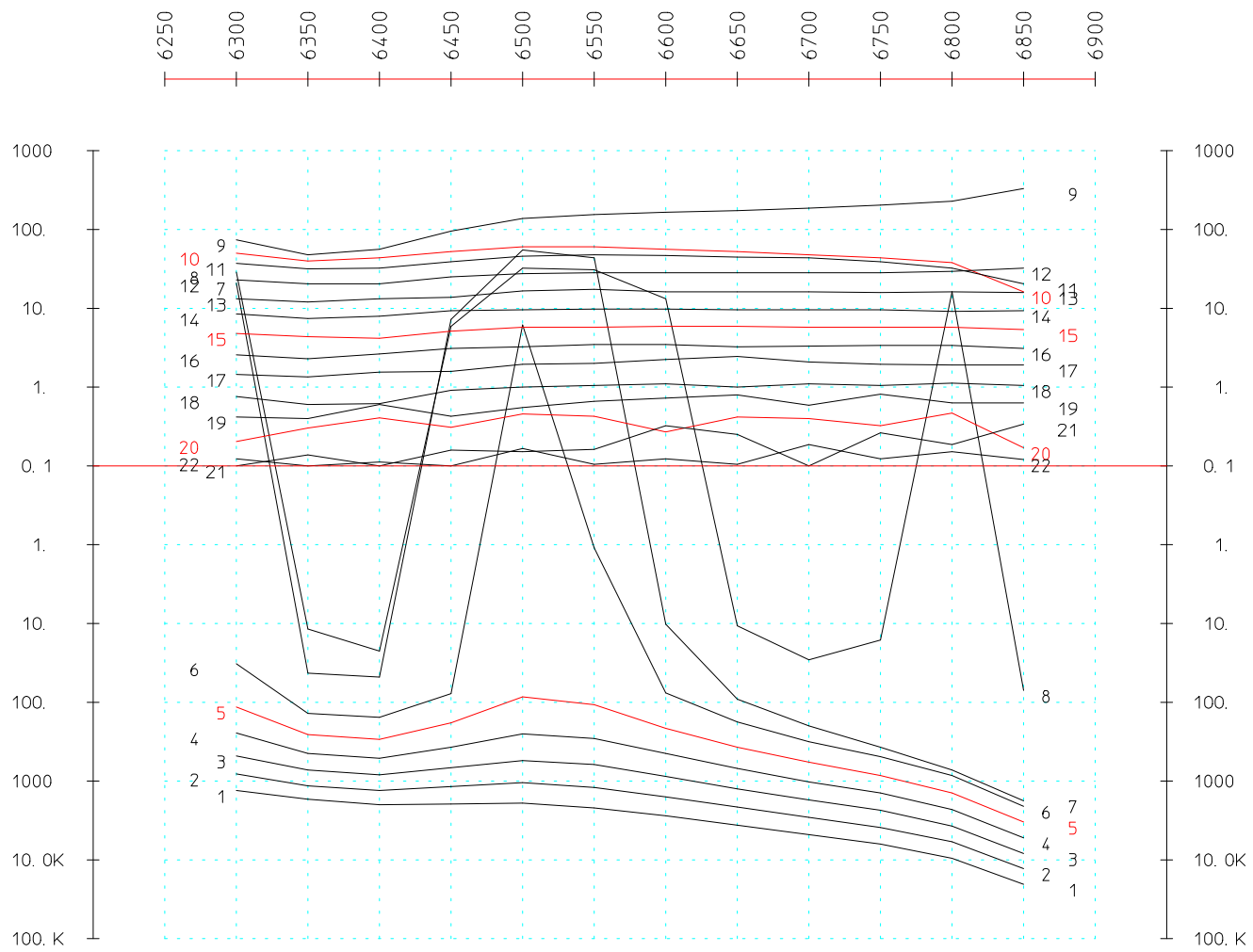
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4600N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 4600N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

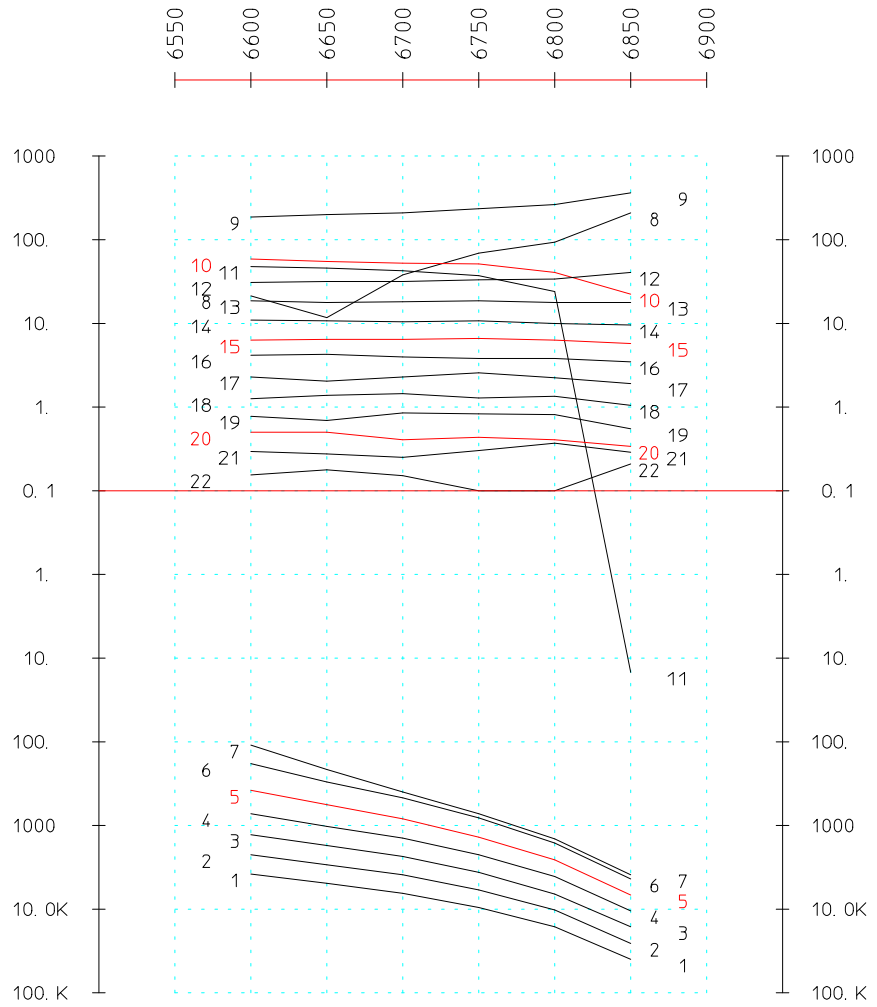
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4800N-E
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 4800N-E.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

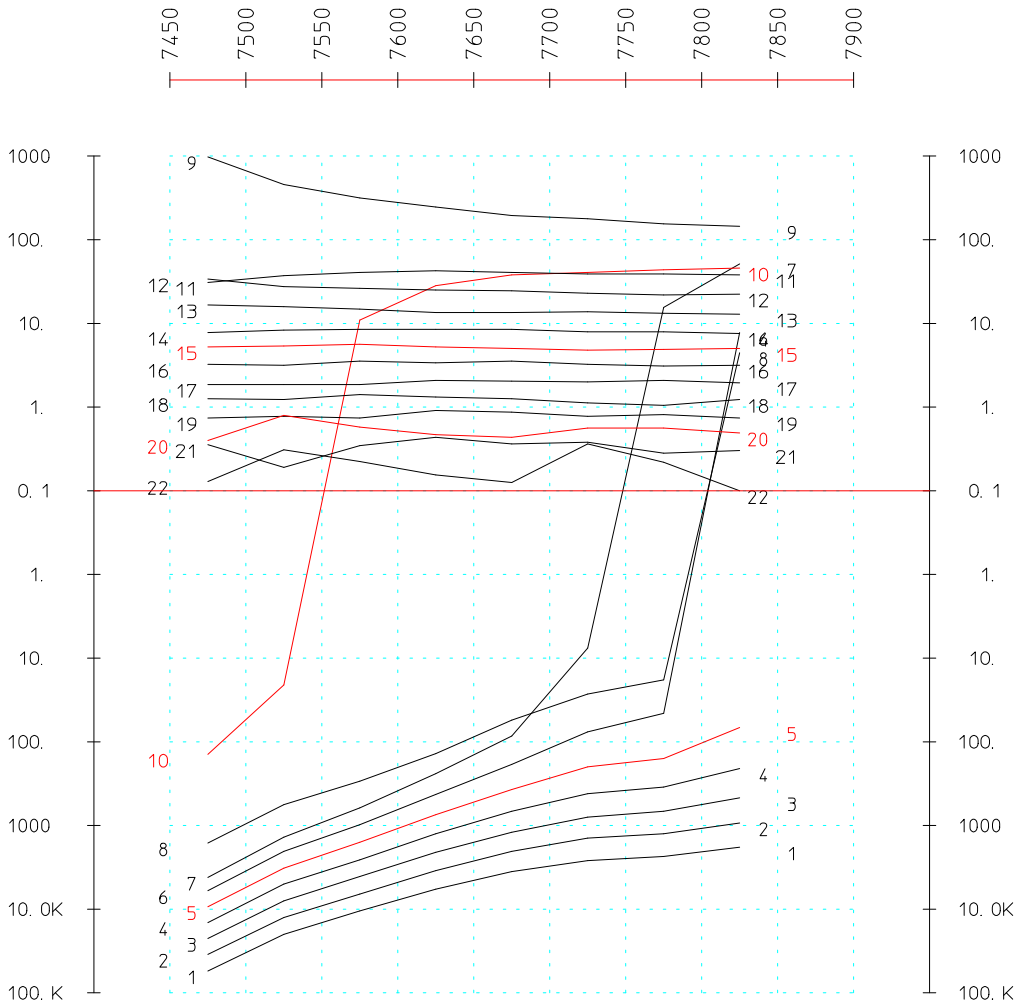
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 4800N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 4800N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

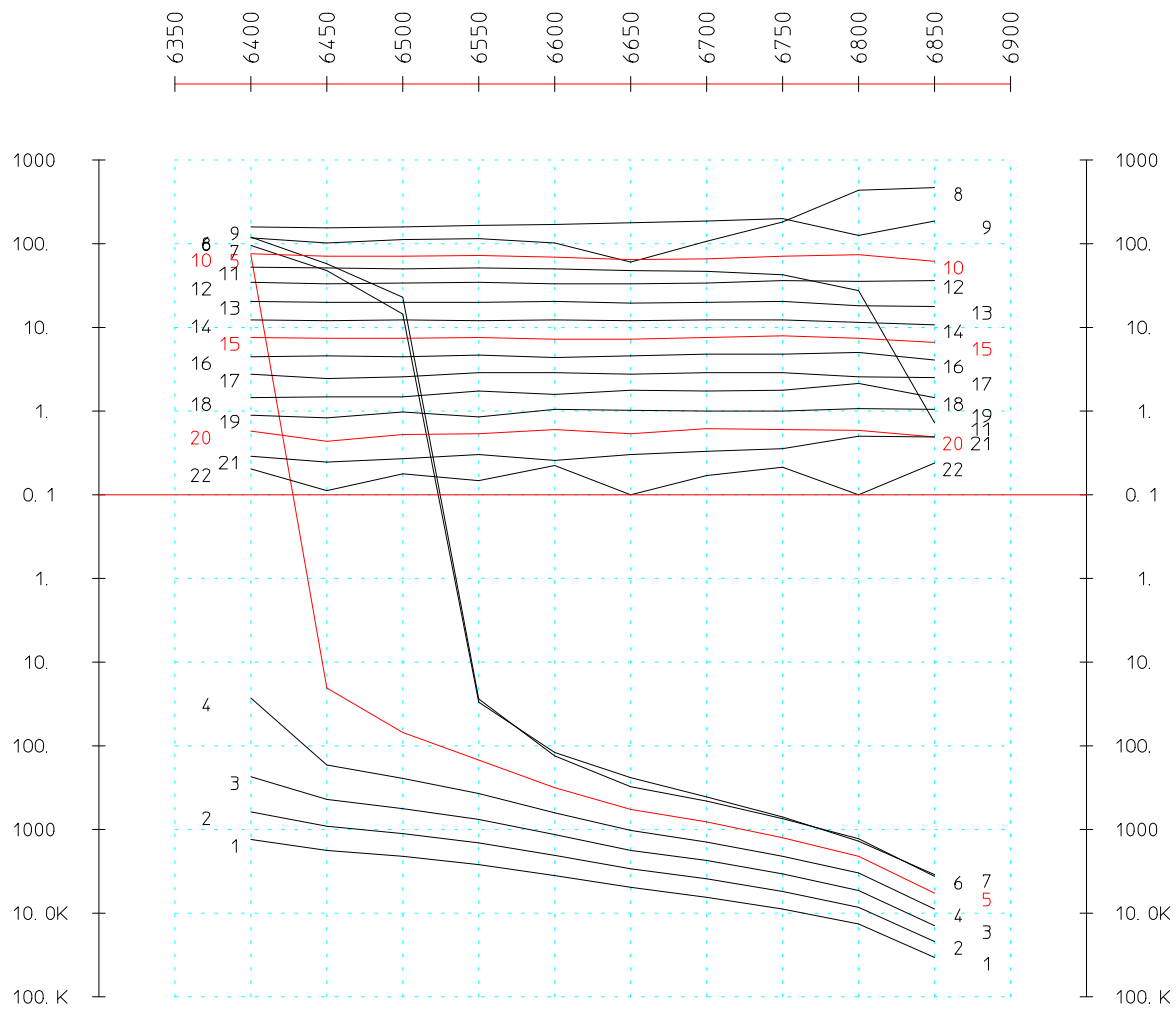
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5000N-E
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5000N-E.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

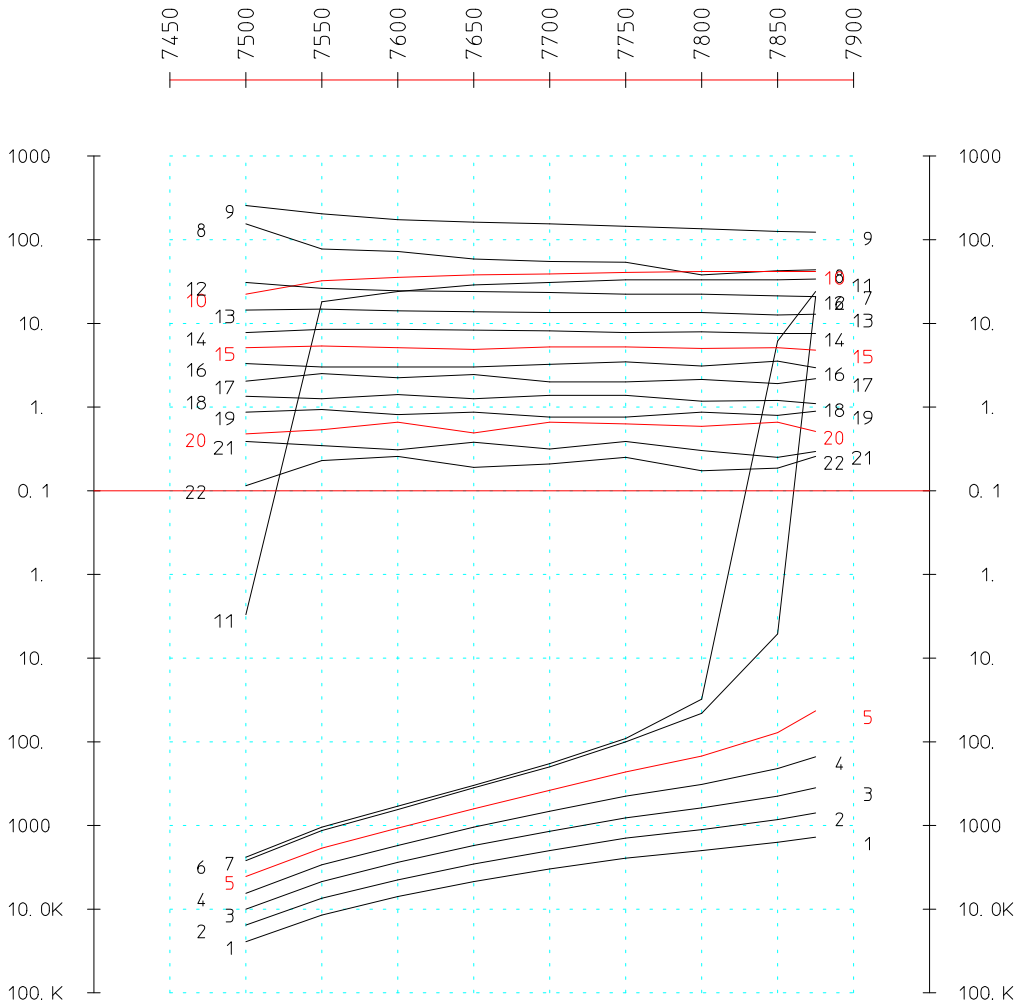
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5000N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5000N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

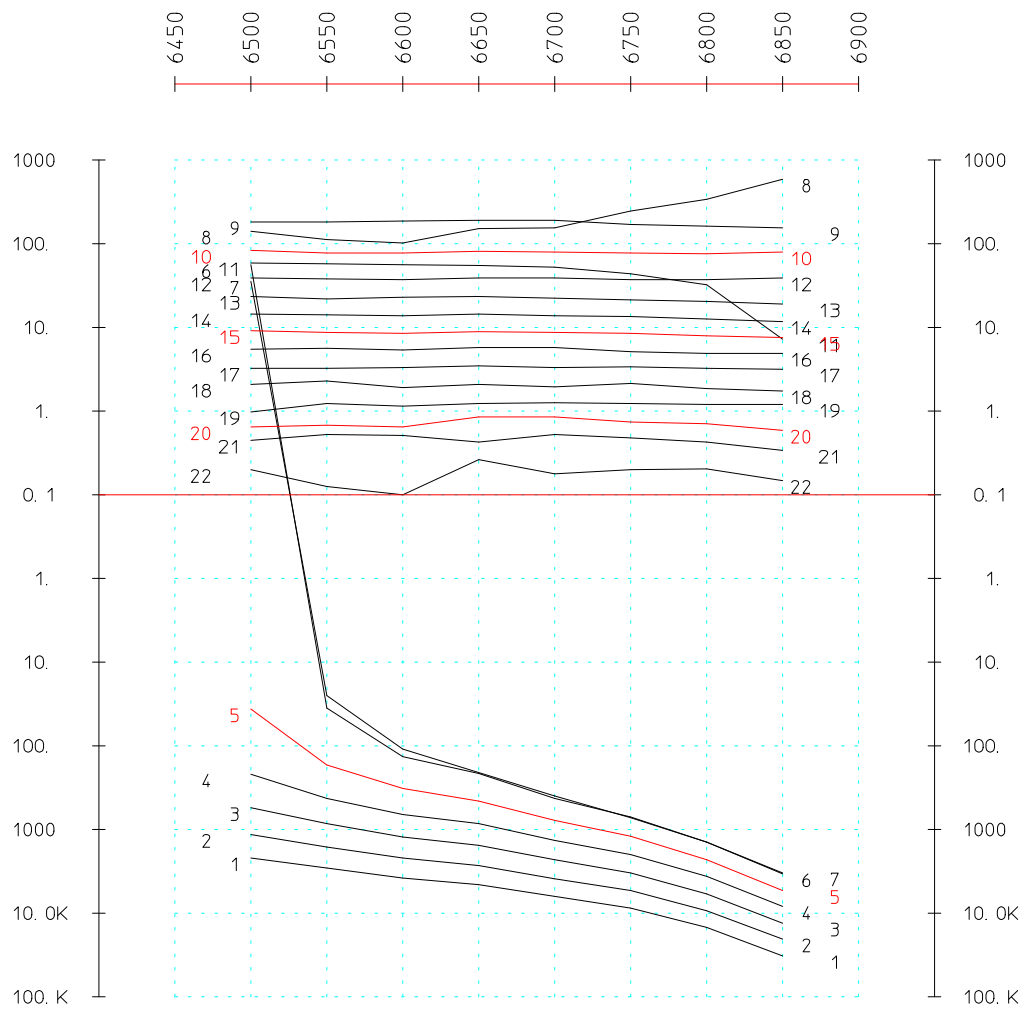
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5200N-E
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5200N-E.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

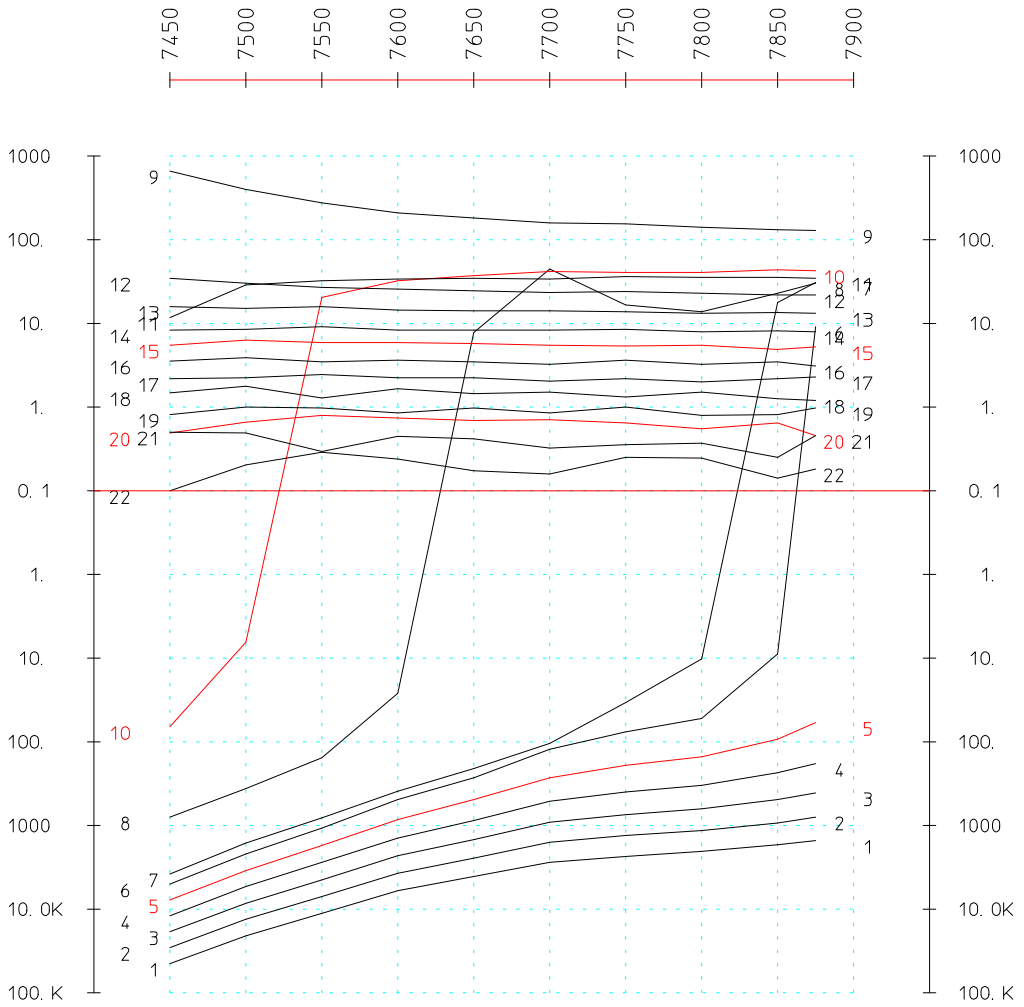
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5200N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5200N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

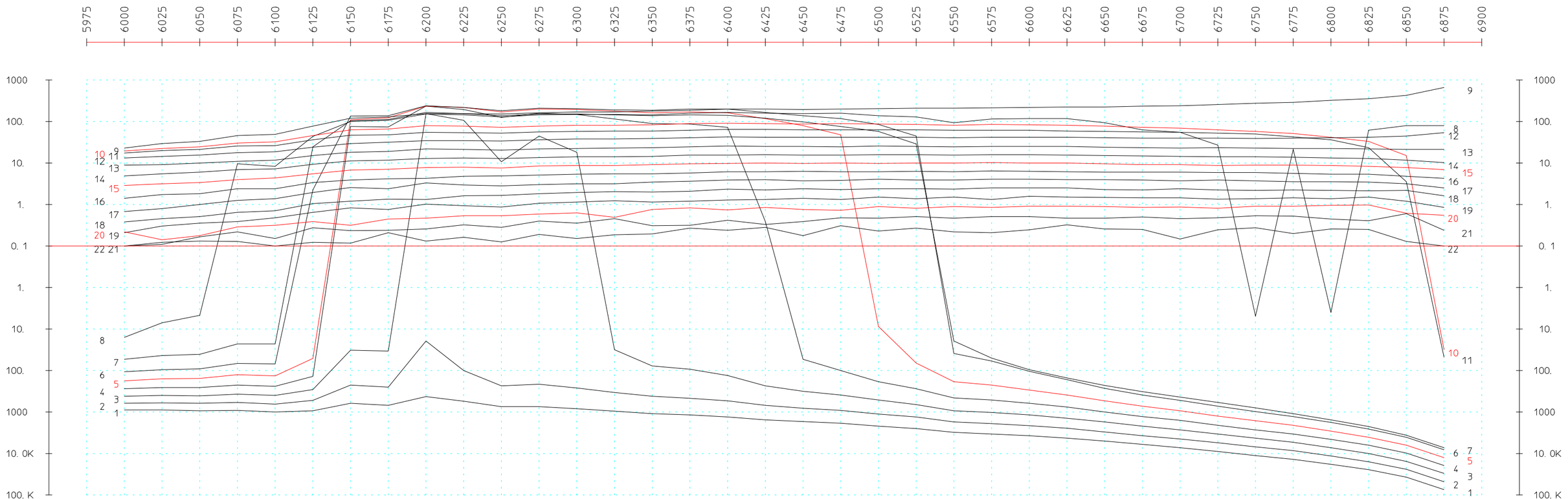
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



44.2 cm: A2

Line 5400N-E
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5400N-E.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

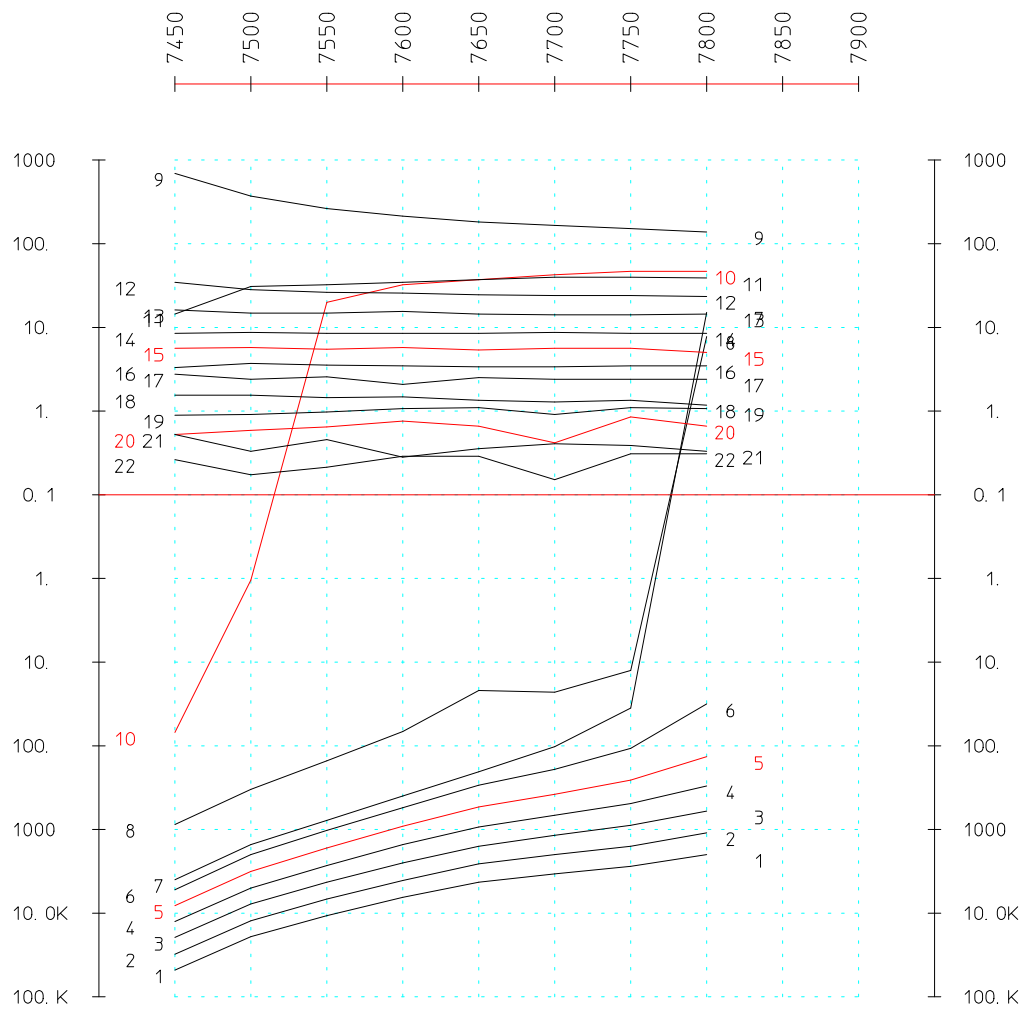
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5400N-W
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5400N-W.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

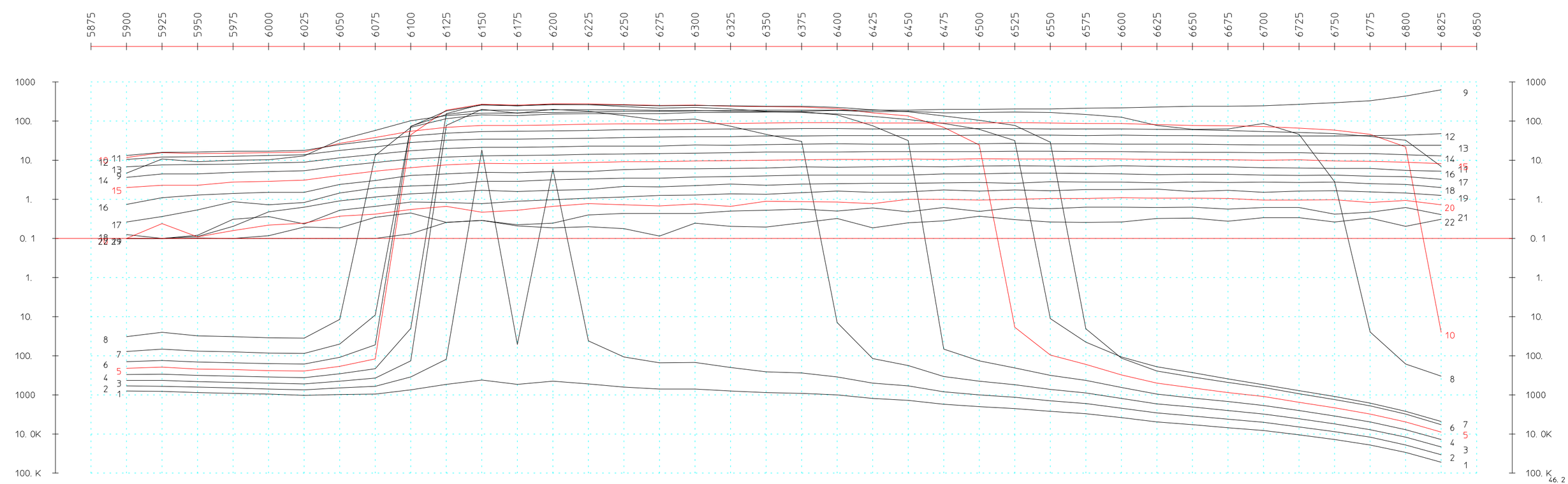
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



46.2 cm: A2

Line 5600N-E
Henty Loop 5
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File 5600N-E.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

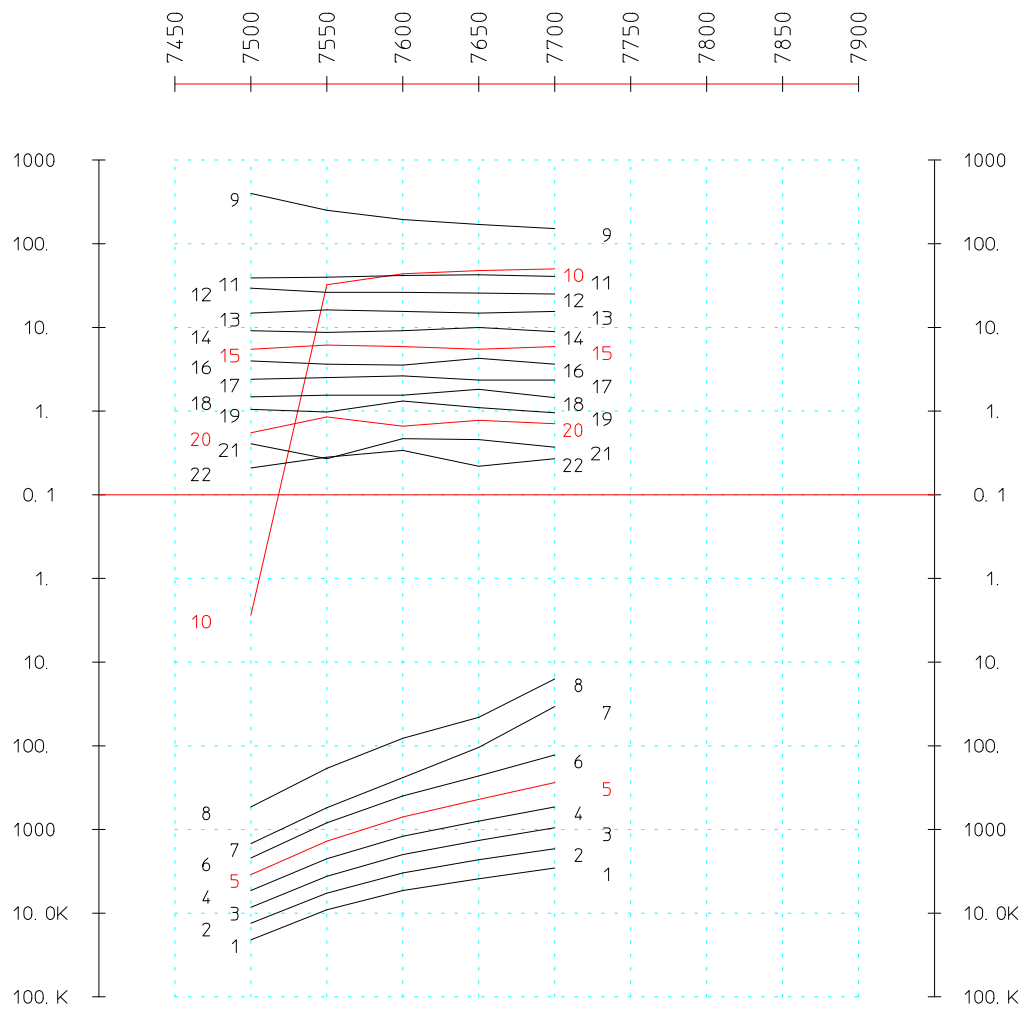
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



31.7 cm: A3

Line 5600N
Henty Loop 8
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H8-5600N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

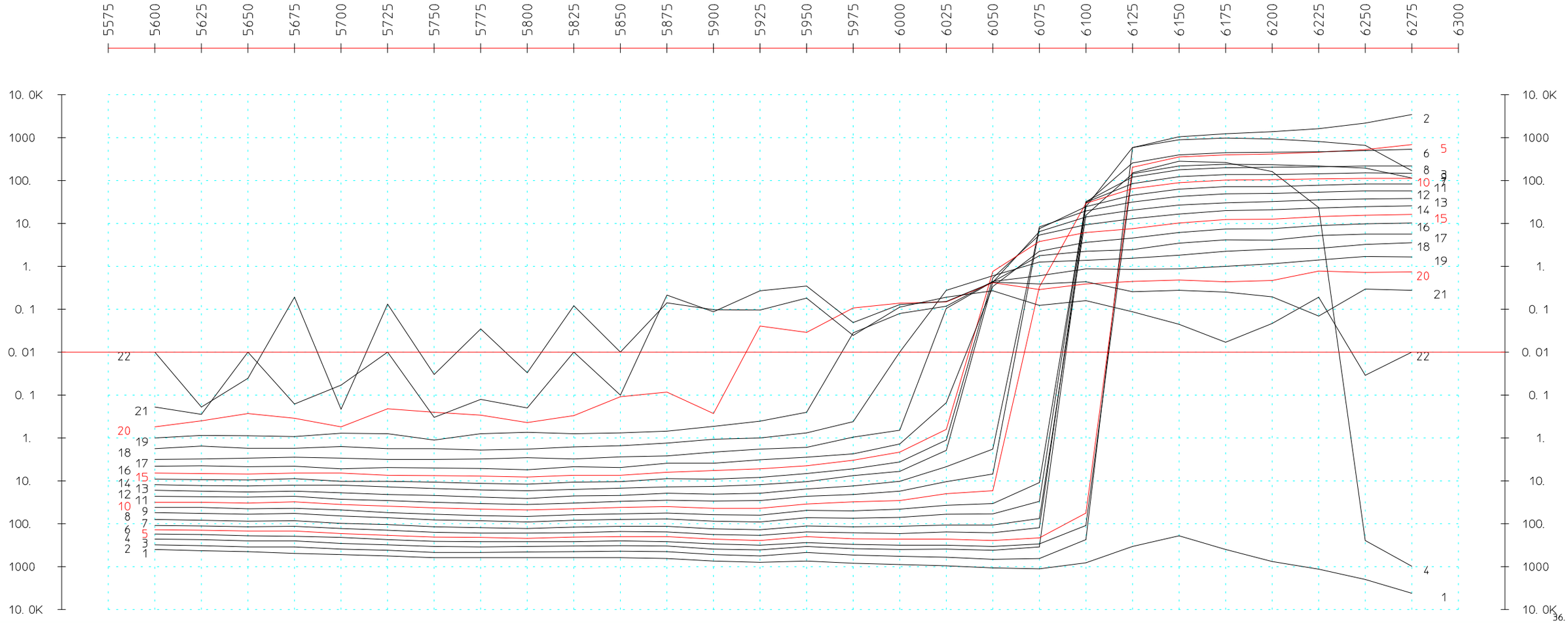
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= Dec 05

Window NUMBER and TIME (seconds)

W 1: 55.73u	W11: 543.1u	W21: 4.894m
W 2: 86.25u	W12: 663.0u	W22: 6.149m
W 3: 116.8u	W13: 830.2u	
W 4: 147.3u	W14: 1.028m	
W 5: 177.8u*	W15: 1.270m*	
W 6: 208.3u	W16: 1.574m	
W 7: 253.5u	W17: 1.966m	
W 8: 314.7u	W18: 2.482m	
W 9: 375.8u	W19: 3.120m	
W10: 451.3u*	W20: 3.908m*	



36.2 cm: A3

Line 5800N
Henty Loop 8
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H8-5800N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

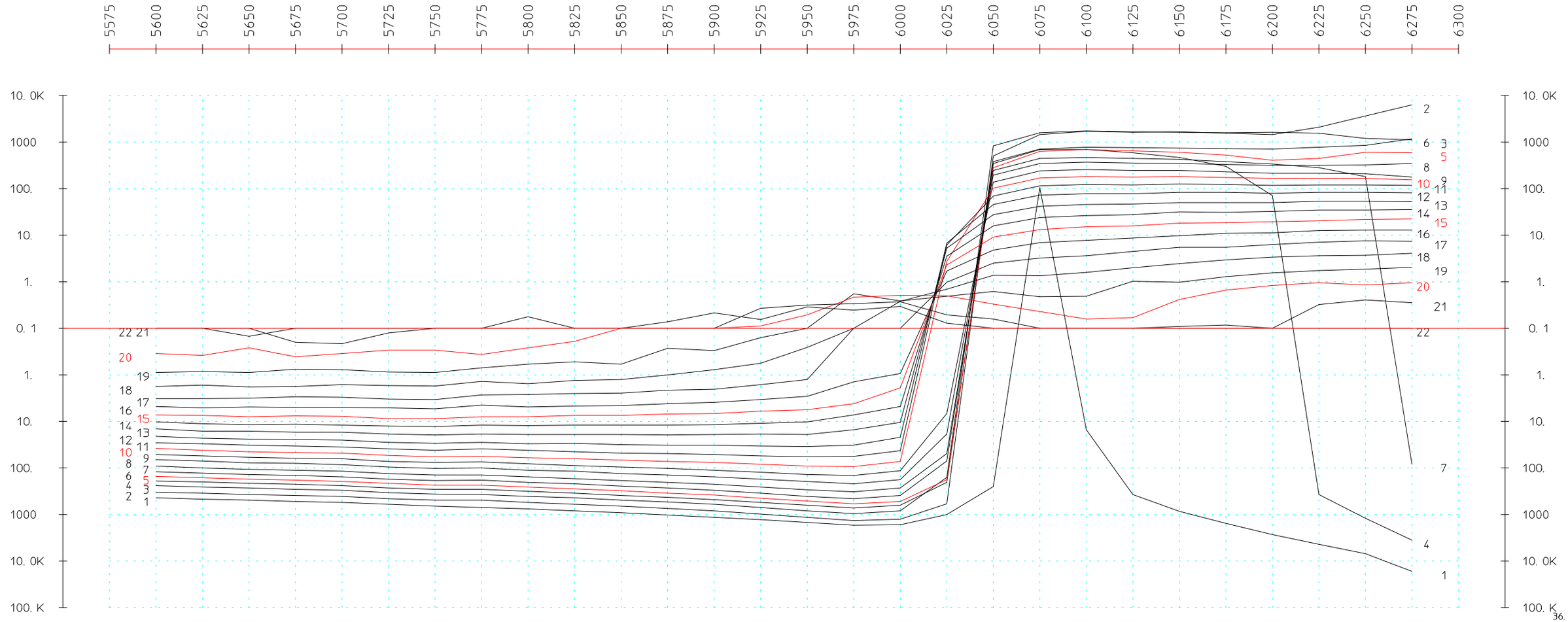
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= Dec 05

Window NUMBER and TIME (seconds)

W 1: 55.73u	W11: 543.1u	W21: 4.894m
W 2: 86.25u	W12: 663.0u	W22: 6.149m
W 3: 116.8u	W13: 830.2u	
W 4: 147.3u	W14: 1.028m	
W 5: 177.8u*	W15: 1.270m*	
W 6: 208.3u	W16: 1.574m	
W 7: 253.5u	W17: 1.966m	
W 8: 314.7u	W18: 2.482m	
W 9: 375.8u	W19: 3.120m	
W10: 451.3u*	W20: 3.908m*	



36.2 cm: A3

Line 6000N
Henty Loop 8
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H8-6000N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

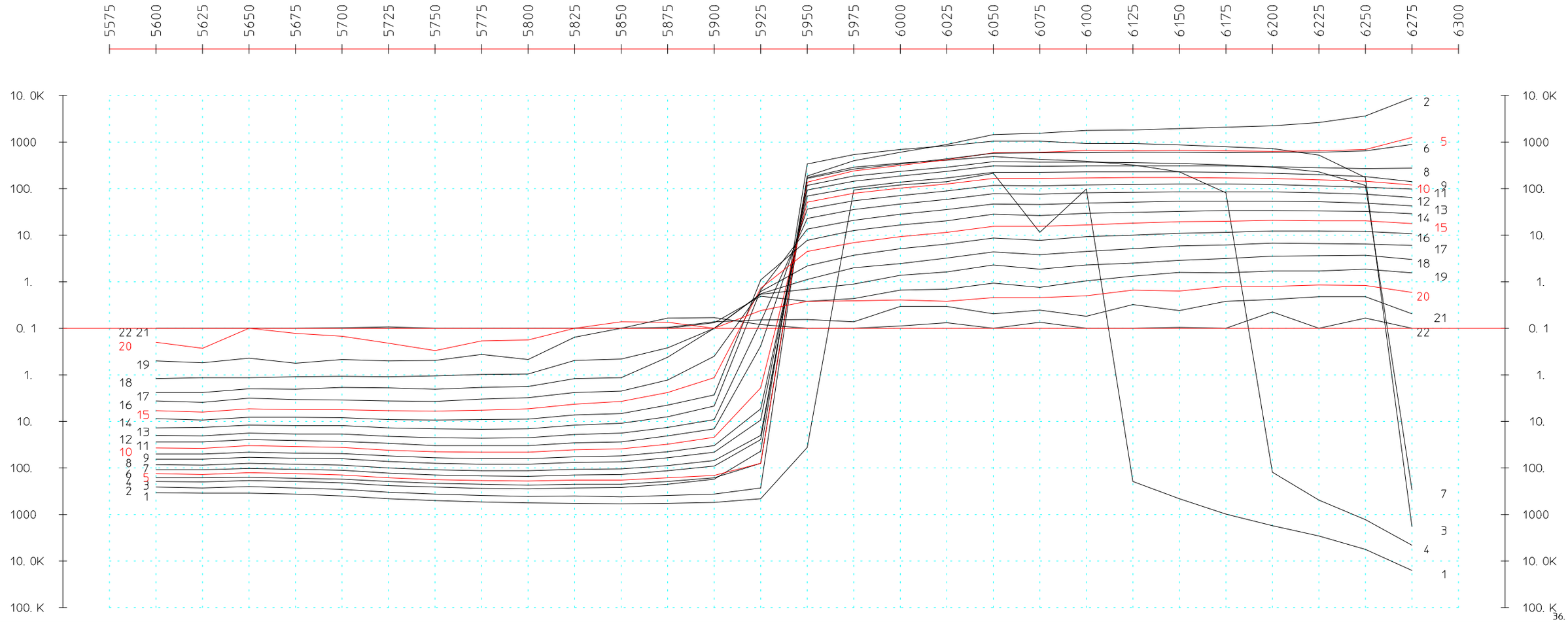
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= Dec 05

Window NUMBER and TIME (seconds)

W 1: 55.73u	W11: 543.1u	W21: 4.894m
W 2: 86.25u	W12: 663.0u	W22: 6.149m
W 3: 116.8u	W13: 830.2u	
W 4: 147.3u	W14: 1.028m	
W 5: 177.8u*	W15: 1.270m*	
W 6: 208.3u	W16: 1.574m	
W 7: 253.5u	W17: 1.966m	
W 8: 314.7u	W18: 2.482m	
W 9: 375.8u	W19: 3.120m	
W10: 451.3u*	W20: 3.908m*	



36.2 cm: A3

Line 6200N
Henty Loop 8
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H8-6200N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

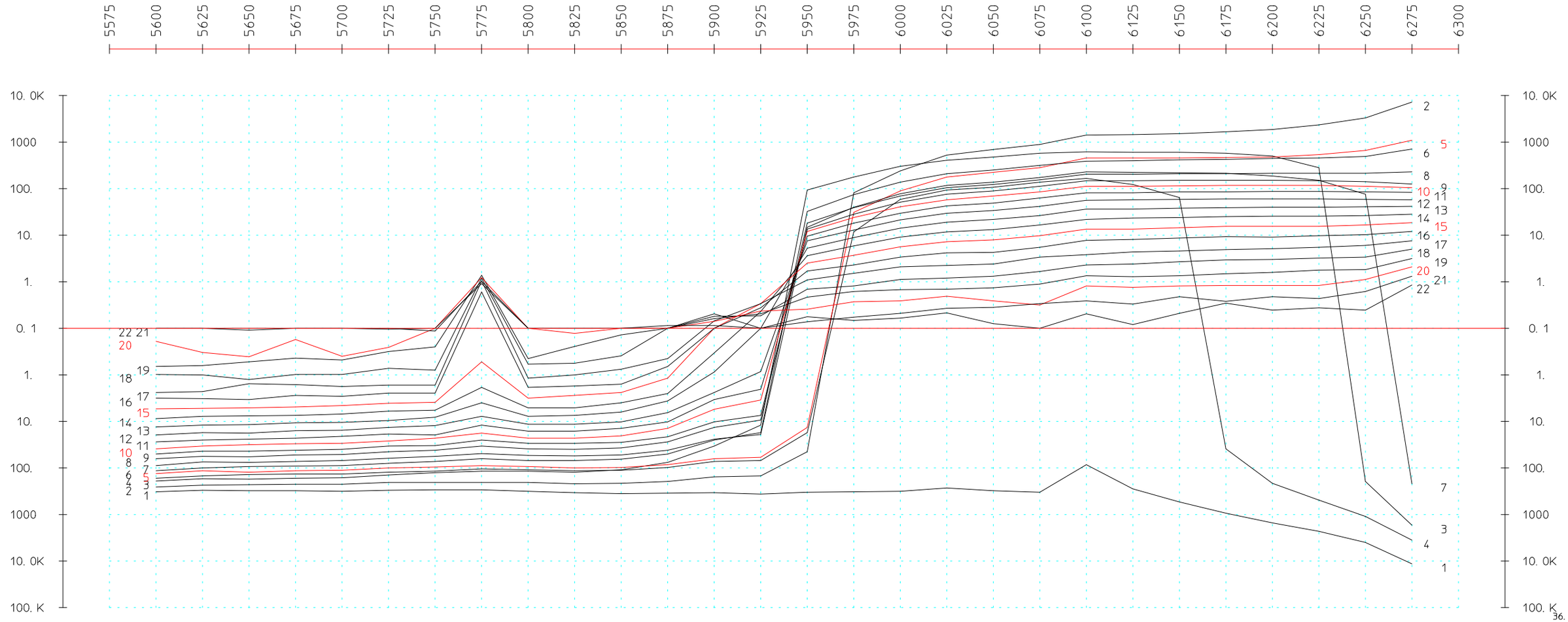
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= Dec 05

Window NUMBER and TIME (seconds)

W 1: 55.73u	W11: 543.1u	W21: 4.894m
W 2: 86.25u	W12: 663.0u	W22: 6.149m
W 3: 116.8u	W13: 830.2u	
W 4: 147.3u	W14: 1.028m	
W 5: 177.8u*	W15: 1.270m*	
W 6: 208.3u	W16: 1.574m	
W 7: 253.5u	W17: 1.966m	
W 8: 314.7u	W18: 2.482m	
W 9: 375.8u	W19: 3.120m	
W10: 451.3u*	W20: 3.908m*	



36.2 cm: A3

Line 5200N
Henty Loop 9
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H9-5200N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

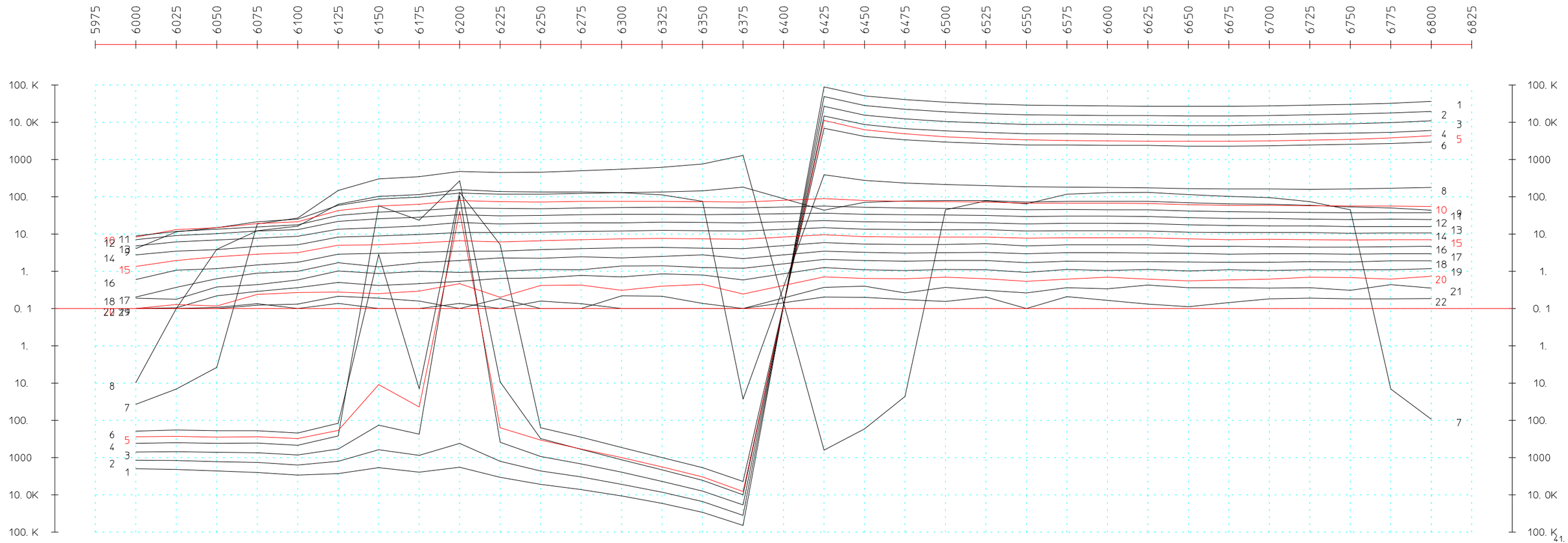
values in microV/ampere
Component: Hz, Rxno: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



21.2 cm: A3

Line 5400N
Henty Loop 9
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H9-5400N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

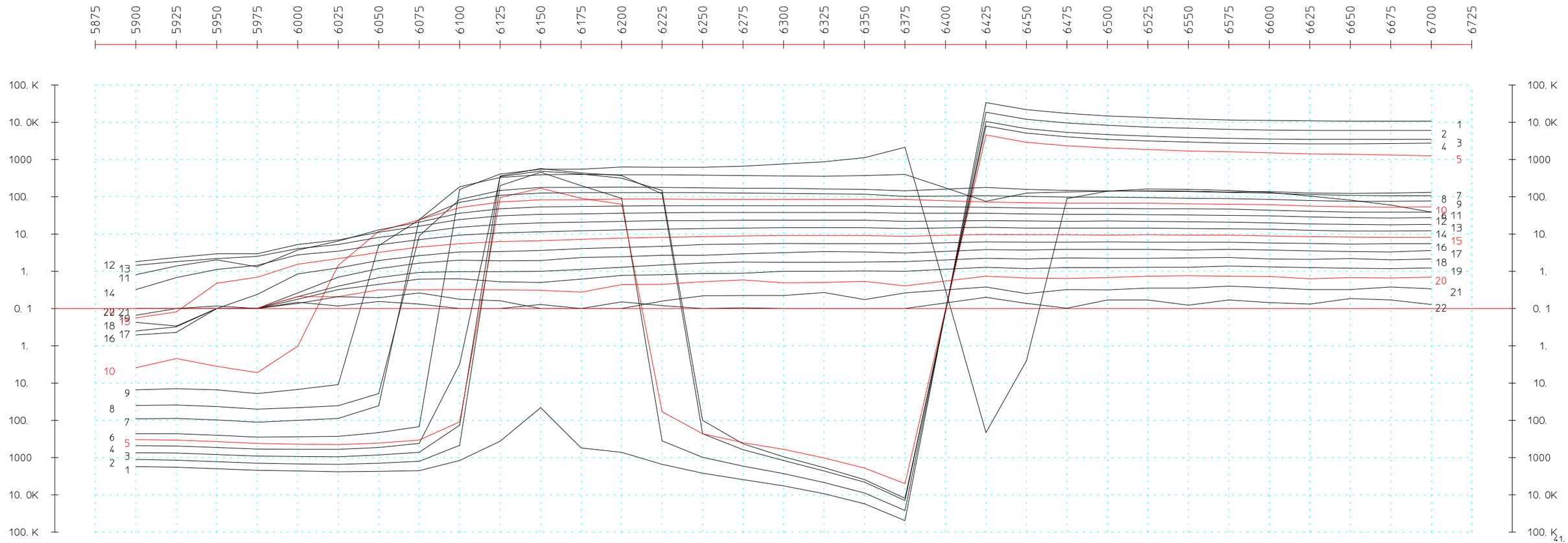
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



21.2 cm: A3

Line 5600N
Henty Loop 9
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File H9-5600N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

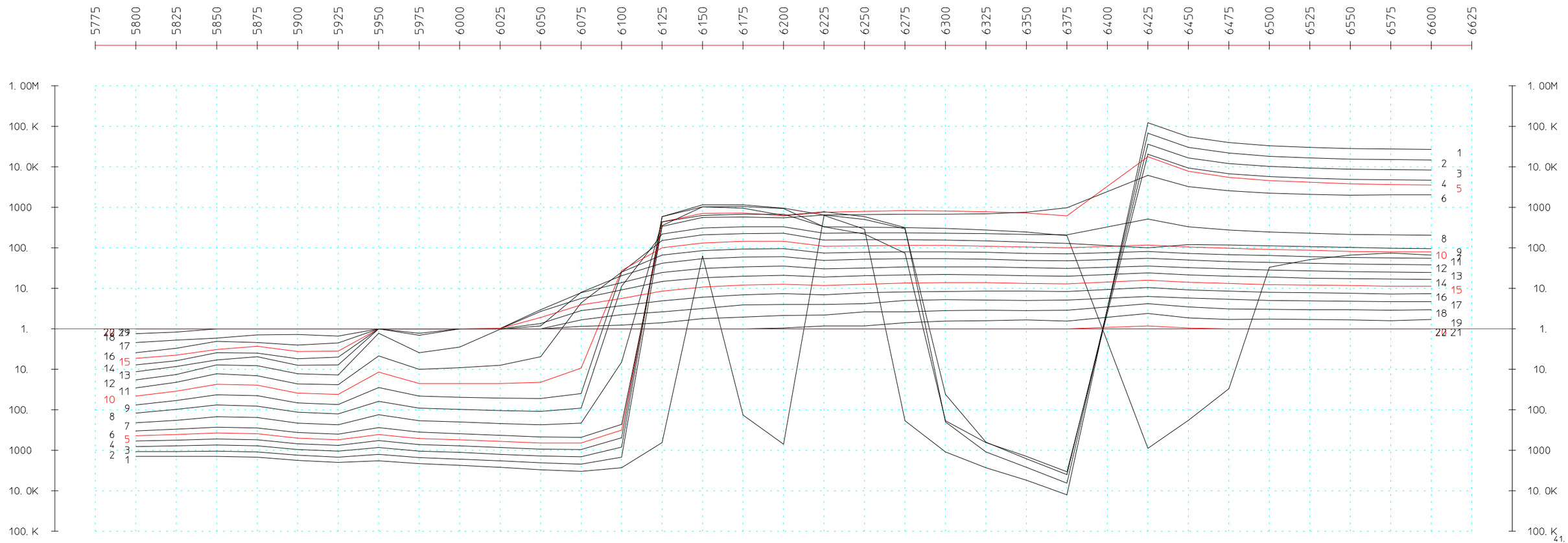
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 53.66u	W11: 541.0u	W21: 4.892m
W 2: 84.18u	W12: 661.0u	W22: 6.147m
W 3: 114.7u	W13: 828.1u	
W 4: 145.2u	W14: 1.026m	
W 5: 175.7u*	W15: 1.268m*	
W 6: 206.3u	W16: 1.572m	
W 7: 251.4u	W17: 1.964m	
W 8: 312.6u	W18: 2.480m	
W 9: 373.7u	W19: 3.118m	
W10: 449.2u*	W20: 3.906m*	



41.2 cm: A3

Line 3200N
White Spur Loop 3
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File WS-3200N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

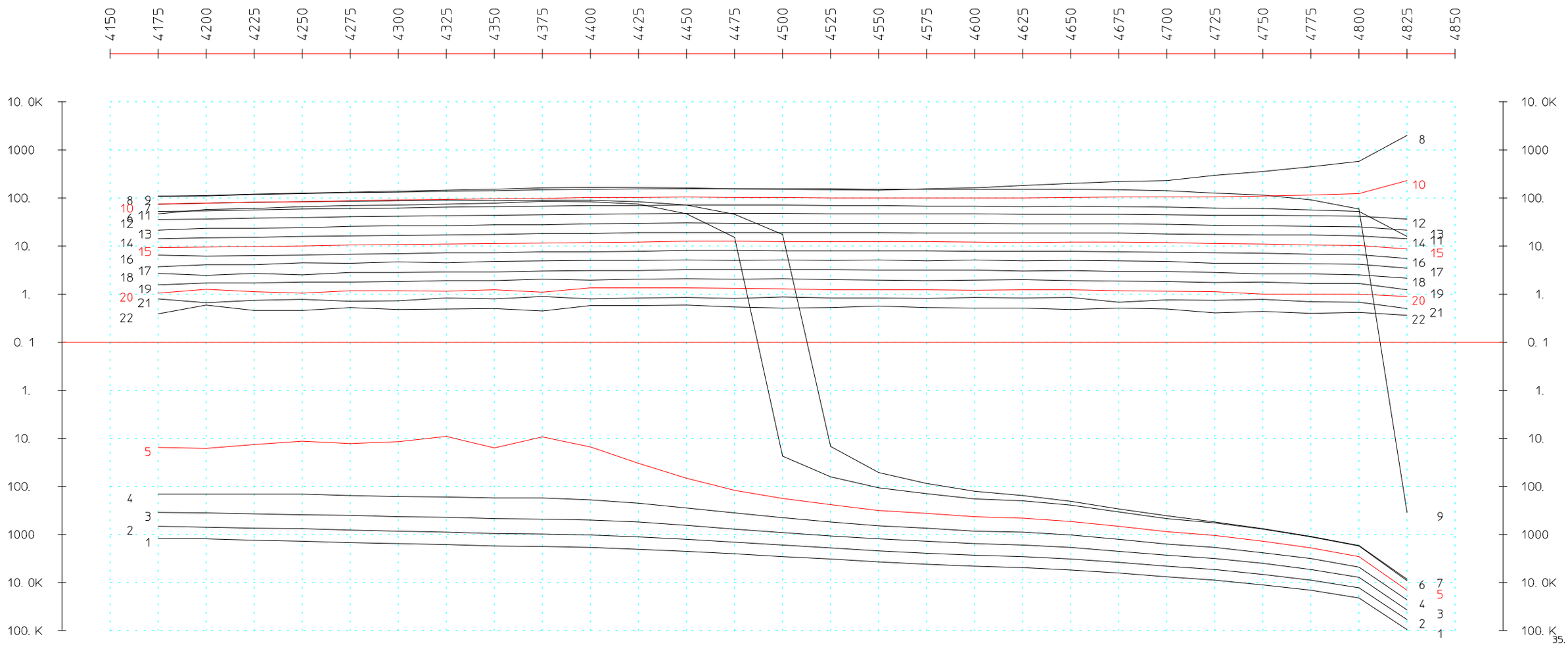
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 43.66u	W11: 531.0u	W21: 4.882m
W 2: 74.18u	W12: 651.0u	W22: 6.137m
W 3: 104.7u	W13: 818.1u	
W 4: 135.2u	W14: 1.016m	
W 5: 165.7u*	W15: 1.258m*	
W 6: 196.3u	W16: 1.562m	
W 7: 241.4u	W17: 1.954m	
W 8: 302.6u	W18: 2.470m	
W 9: 363.7u	W19: 3.108m	
W10: 439.2u*	W20: 3.896m*	



Line 3400N
White Spur Loop 3
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File WS-3400N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

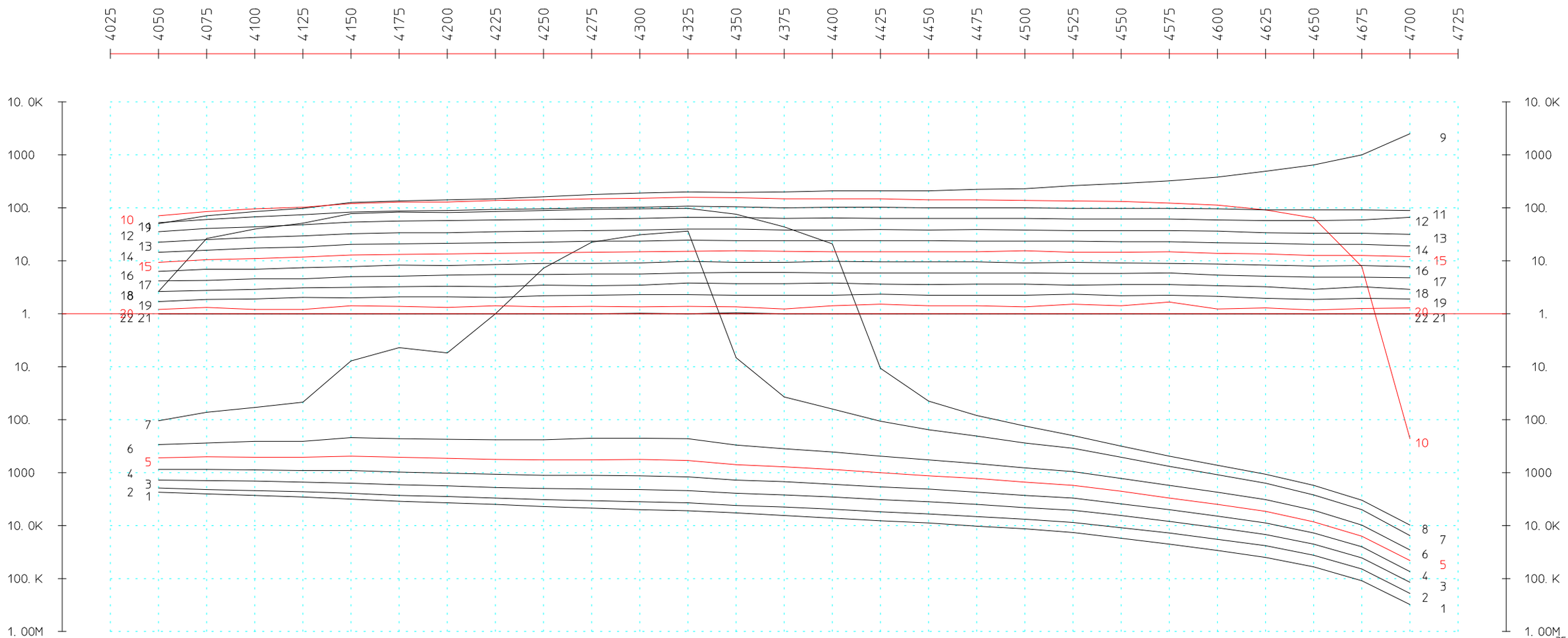
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 43.66u	W11: 531.0u	W21: 4.882m
W 2: 74.18u	W12: 651.0u	W22: 6.137m
W 3: 104.7u	W13: 818.1u	
W 4: 135.2u	W14: 1.016m	
W 5: 165.7u*	W15: 1.258m*	
W 6: 196.3u	W16: 1.562m	
W 7: 241.4u	W17: 1.954m	
W 8: 302.6u	W18: 2.470m	
W 9: 363.7u	W19: 3.108m	
W10: 439.2u*	W20: 3.896m*	



Line 3600N
White Spur Loop 3
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File WS-3600N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

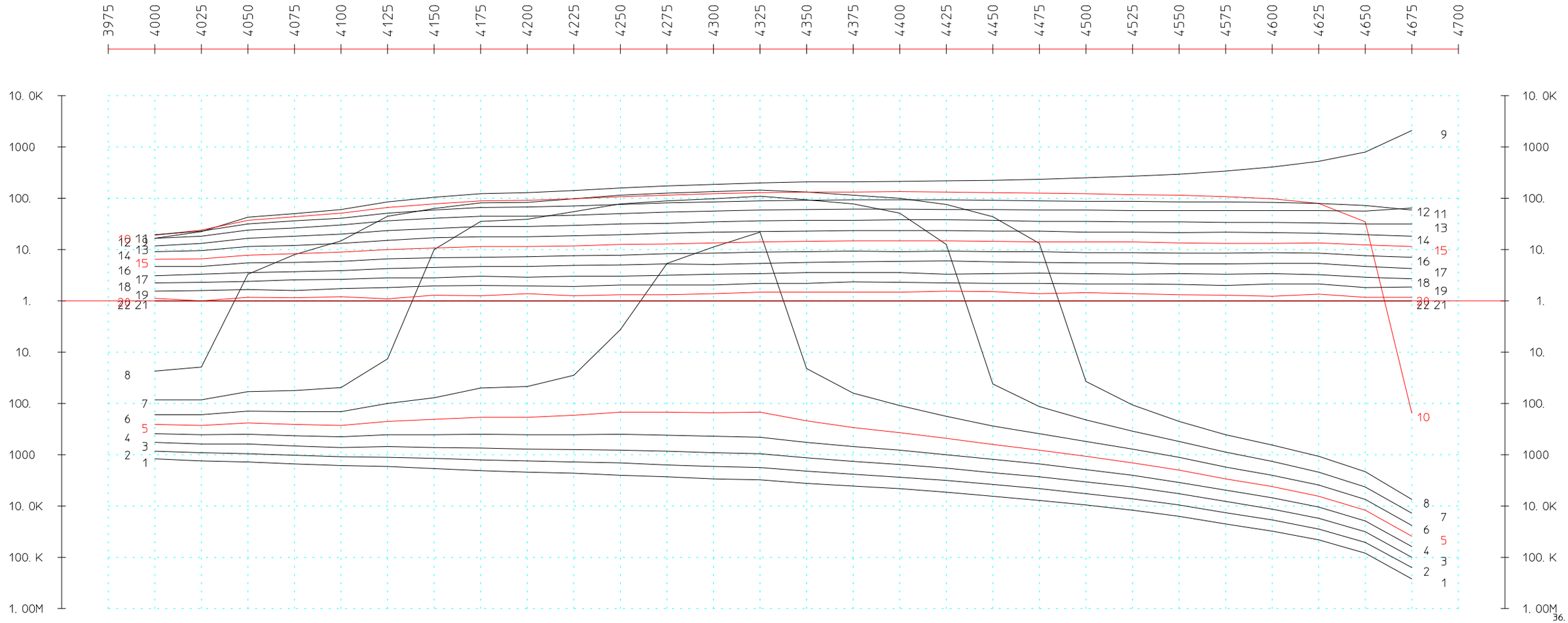
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 43.66u	W11: 531.0u	W21: 4.882m
W 2: 74.18u	W12: 651.0u	W22: 6.137m
W 3: 104.7u	W13: 818.1u	
W 4: 135.2u	W14: 1.016m	
W 5: 165.7u*	W15: 1.258m*	
W 6: 196.3u	W16: 1.562m	
W 7: 241.4u	W17: 1.954m	
W 8: 302.6u	W18: 2.470m	
W 9: 363.7u	W19: 3.108m	
W10: 439.2u*	W20: 3.896m*	



36.2 cm: A3

Line 3800N
White Spur Loop 3
for
ZINIFEX LIMITED

Field Job 683
ZONGE ZPLOT 7.27
File WS-3800N.Z, Plotted 17 Feb 06

TRANSIENT EM SURVEY DATA
Window MAGNITUDE

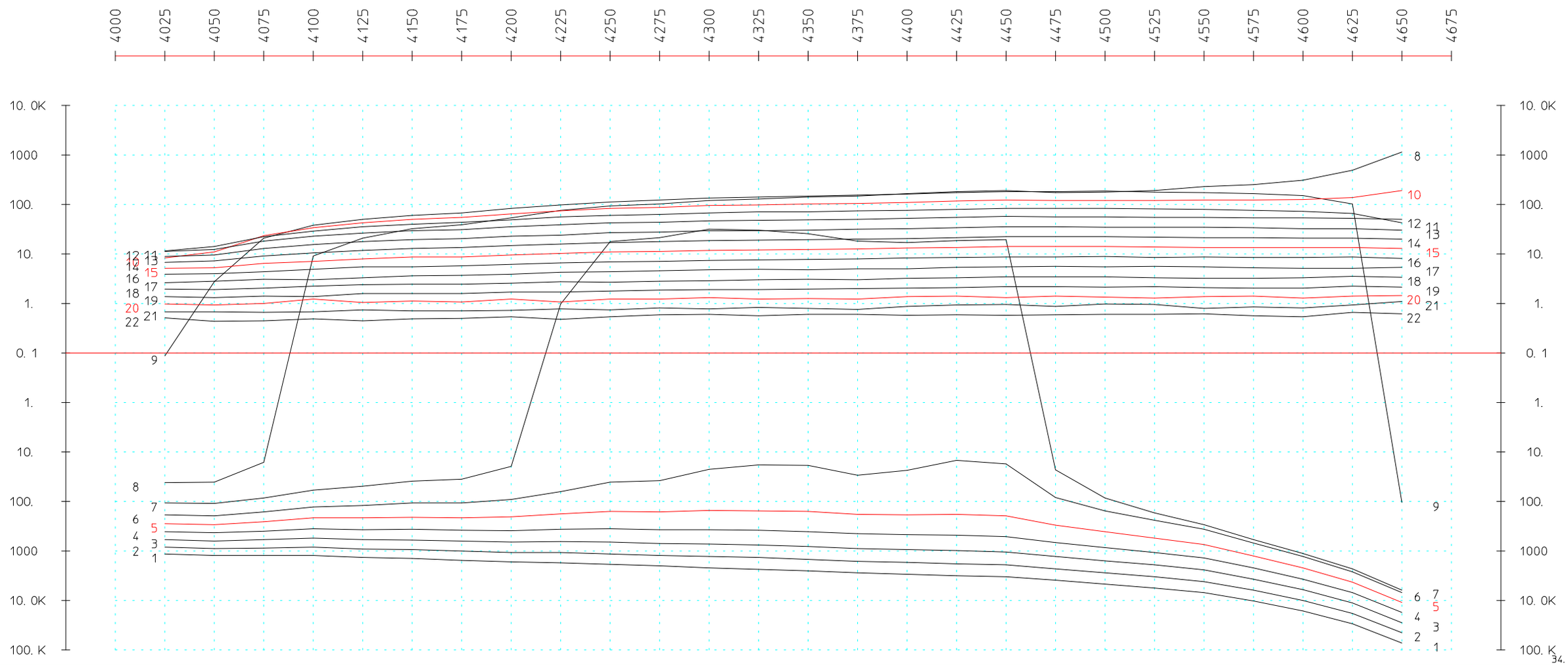
values in microV/ampere
Component: Hz, Rxna: 10000.0

SURVEY LINE DATA

Survey Date= January 06

Window NUMBER and TIME (seconds)

W 1: 43.66u	W11: 531.0u	W21: 4.882m
W 2: 74.18u	W12: 651.0u	W22: 6.137m
W 3: 104.7u	W13: 818.1u	
W 4: 135.2u	W14: 1.016m	
W 5: 165.7u*	W15: 1.258m*	
W 6: 196.3u	W16: 1.562m	
W 7: 241.4u	W17: 1.954m	
W 8: 302.6u	W18: 2.470m	
W 9: 363.7u	W19: 3.108m	
W10: 439.2u*	W20: 3.896m*	



34.2 cm: A3