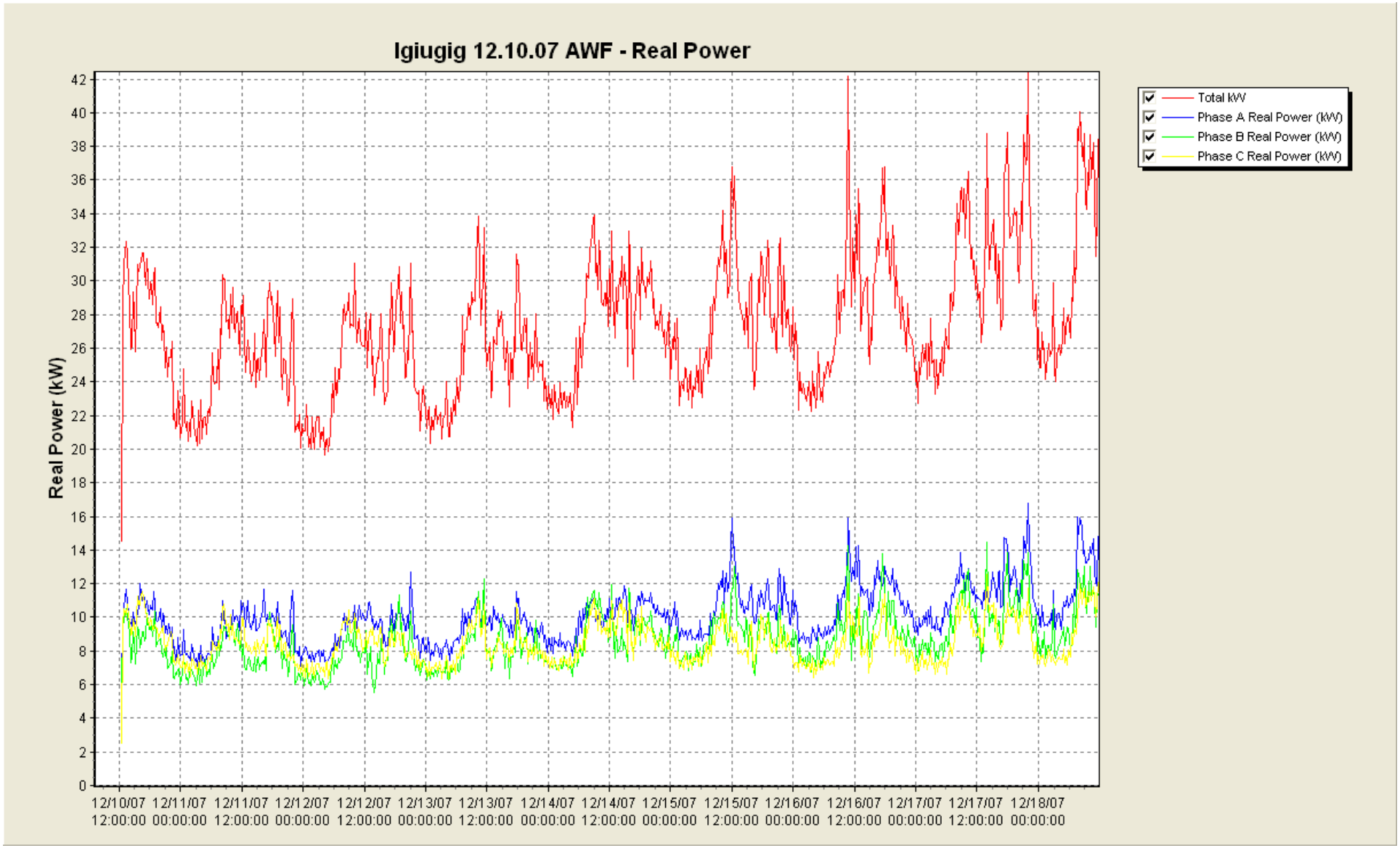
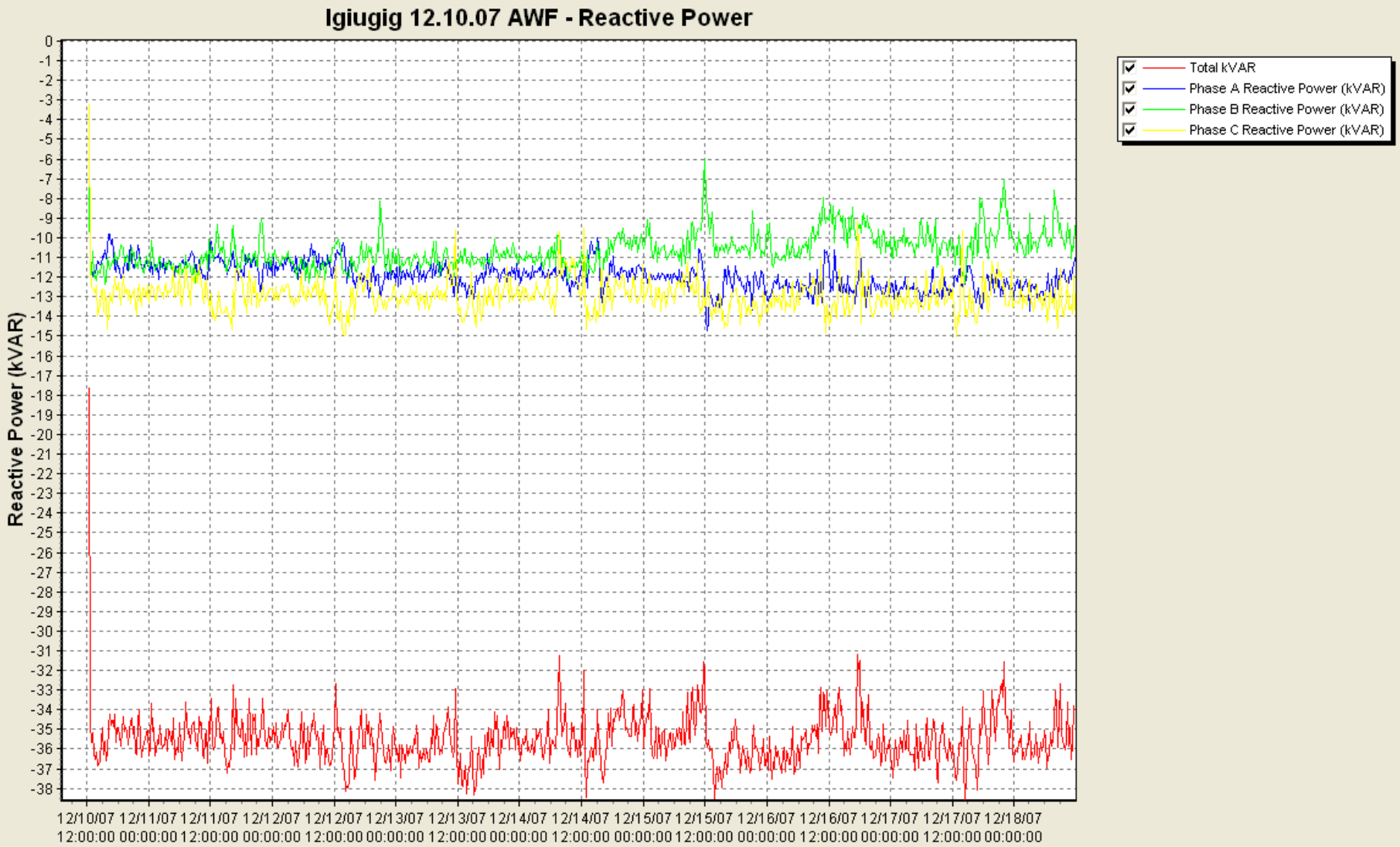
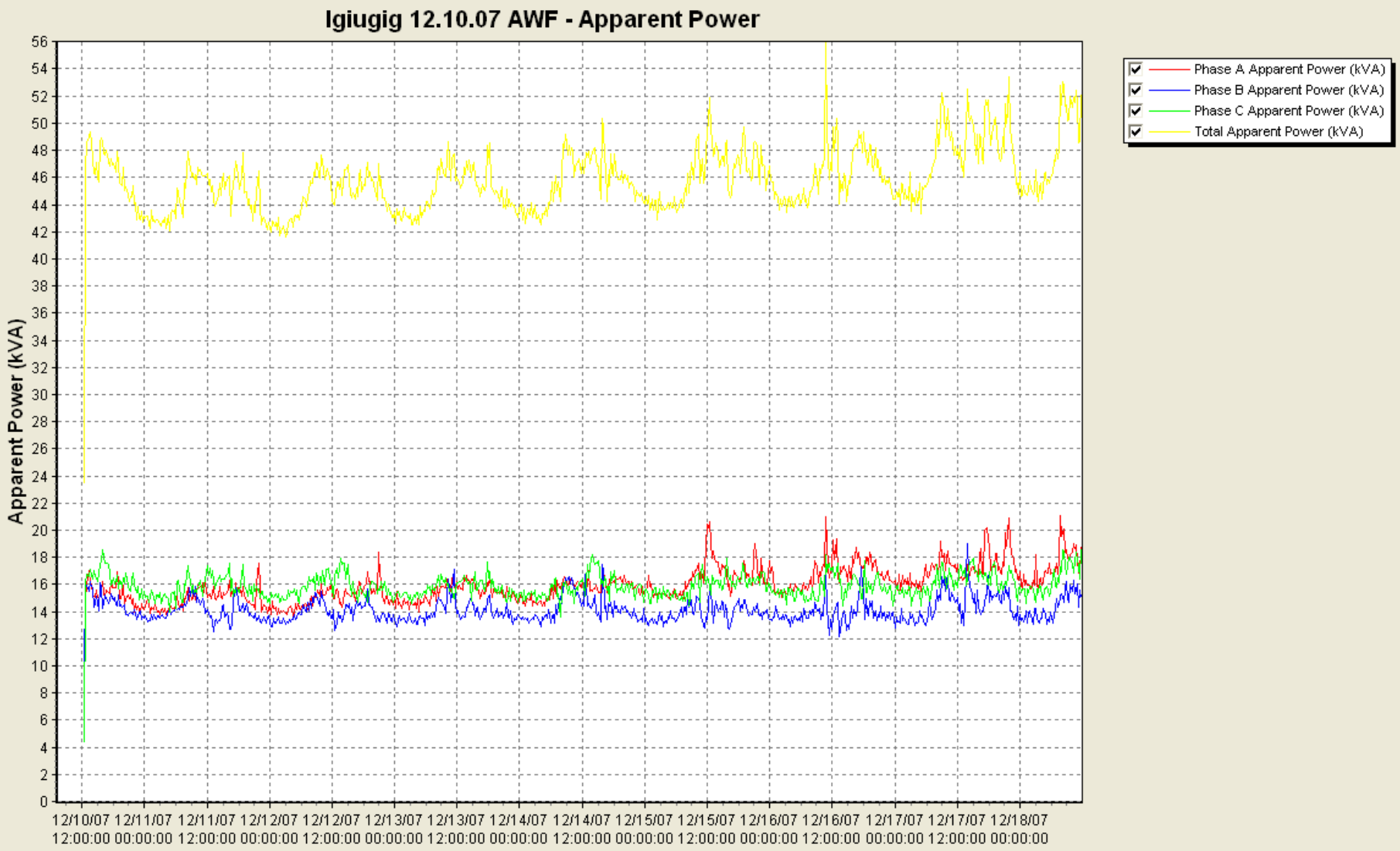
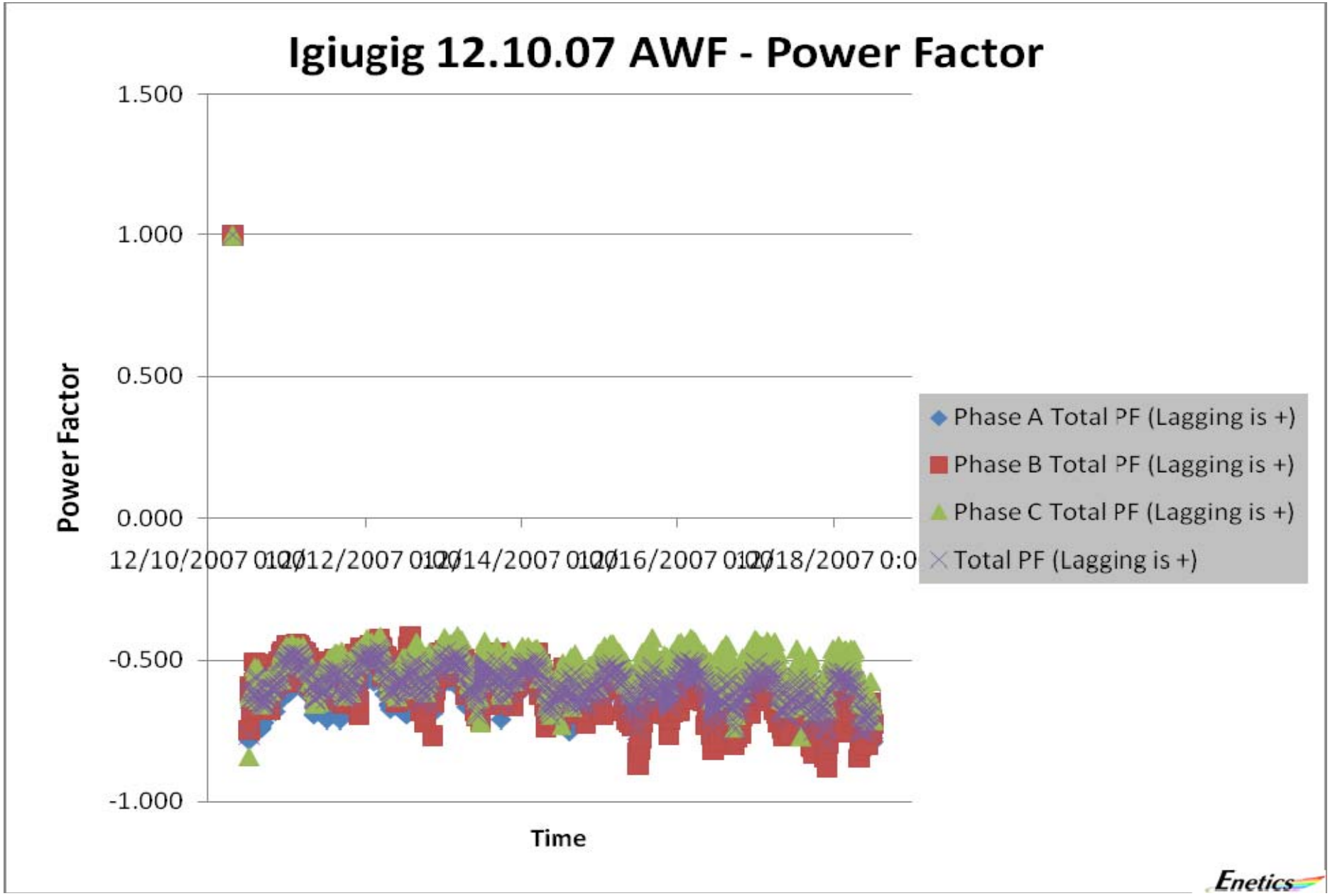
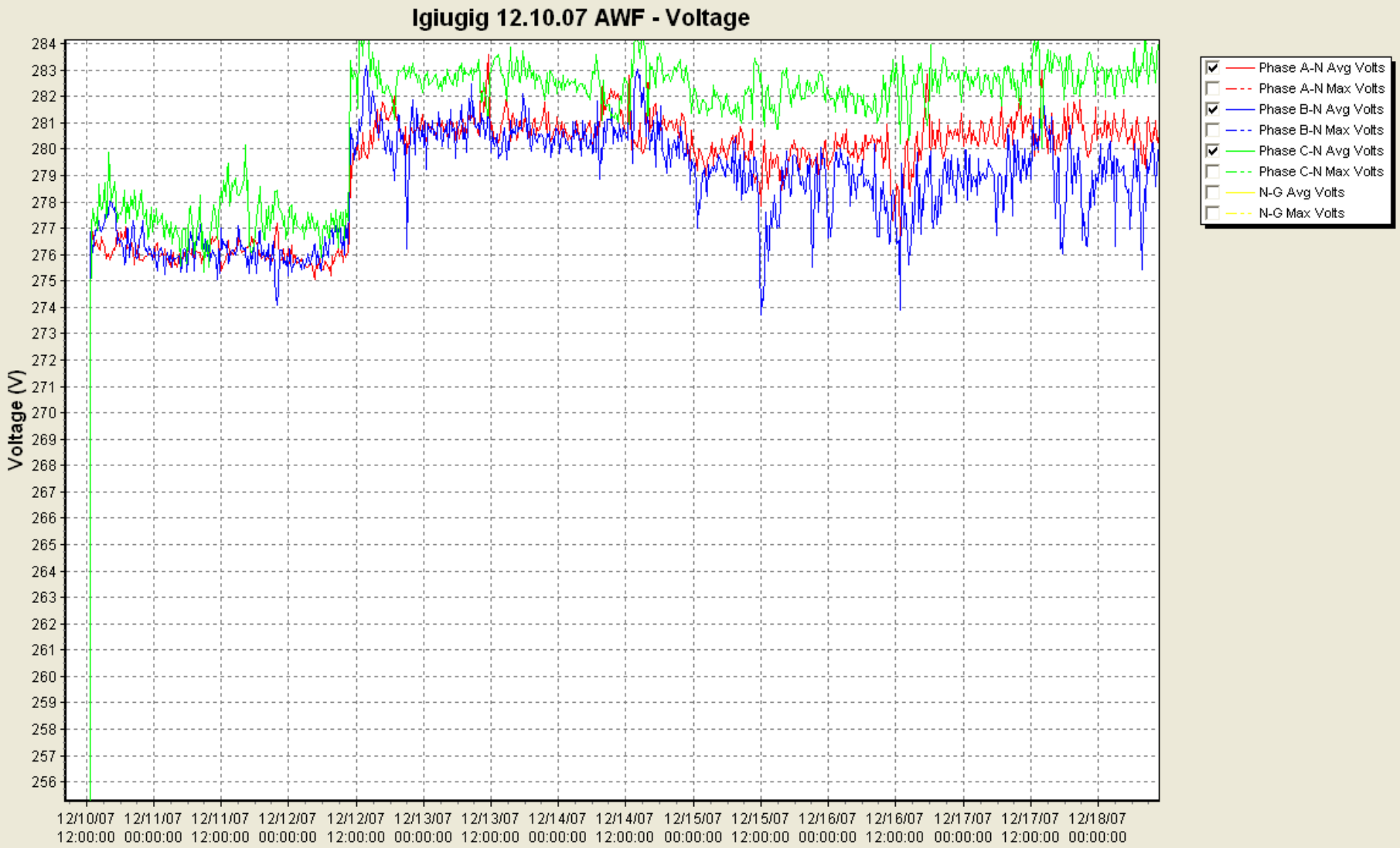
Igiugig Power Data -- December 10-18, 2007

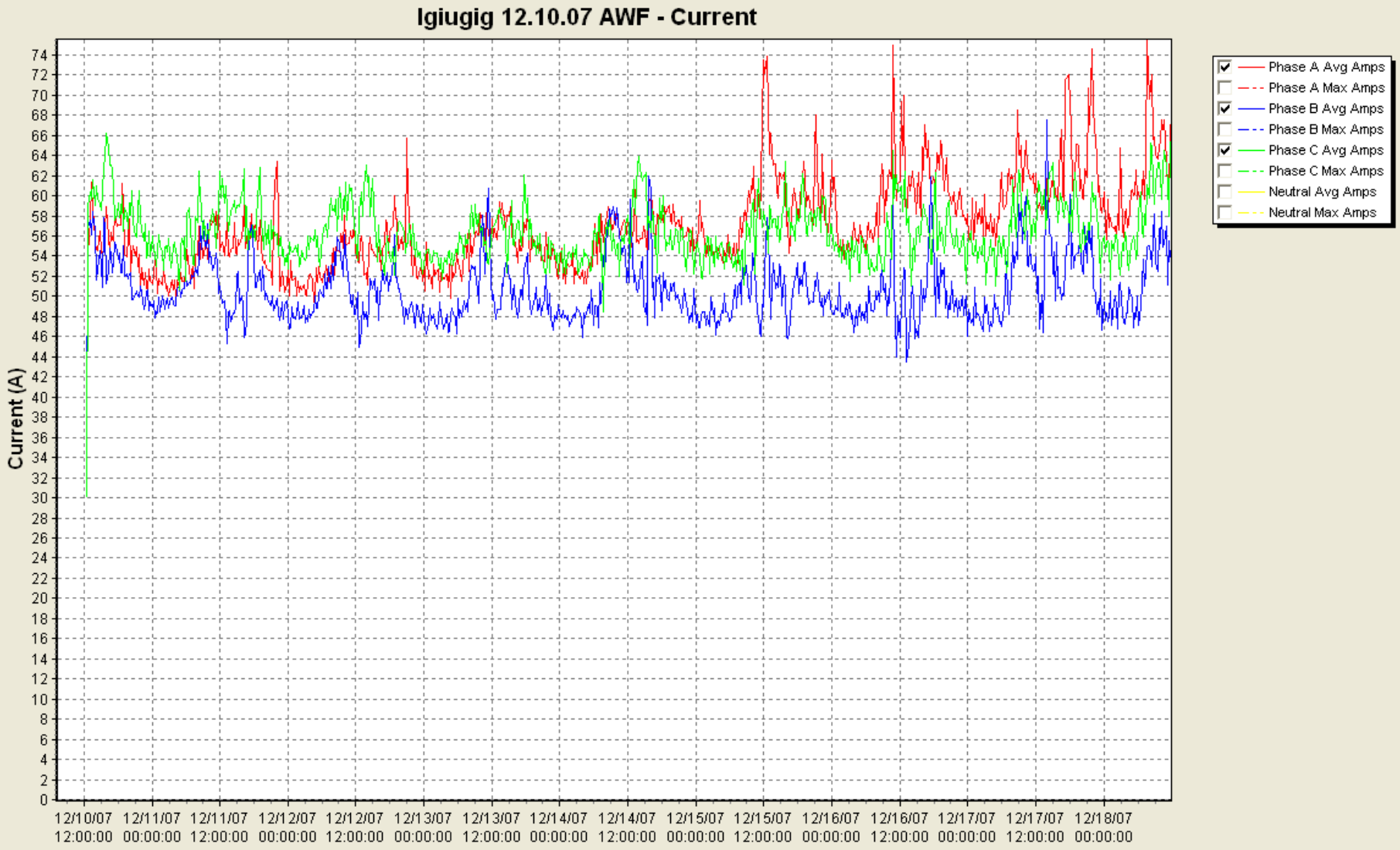


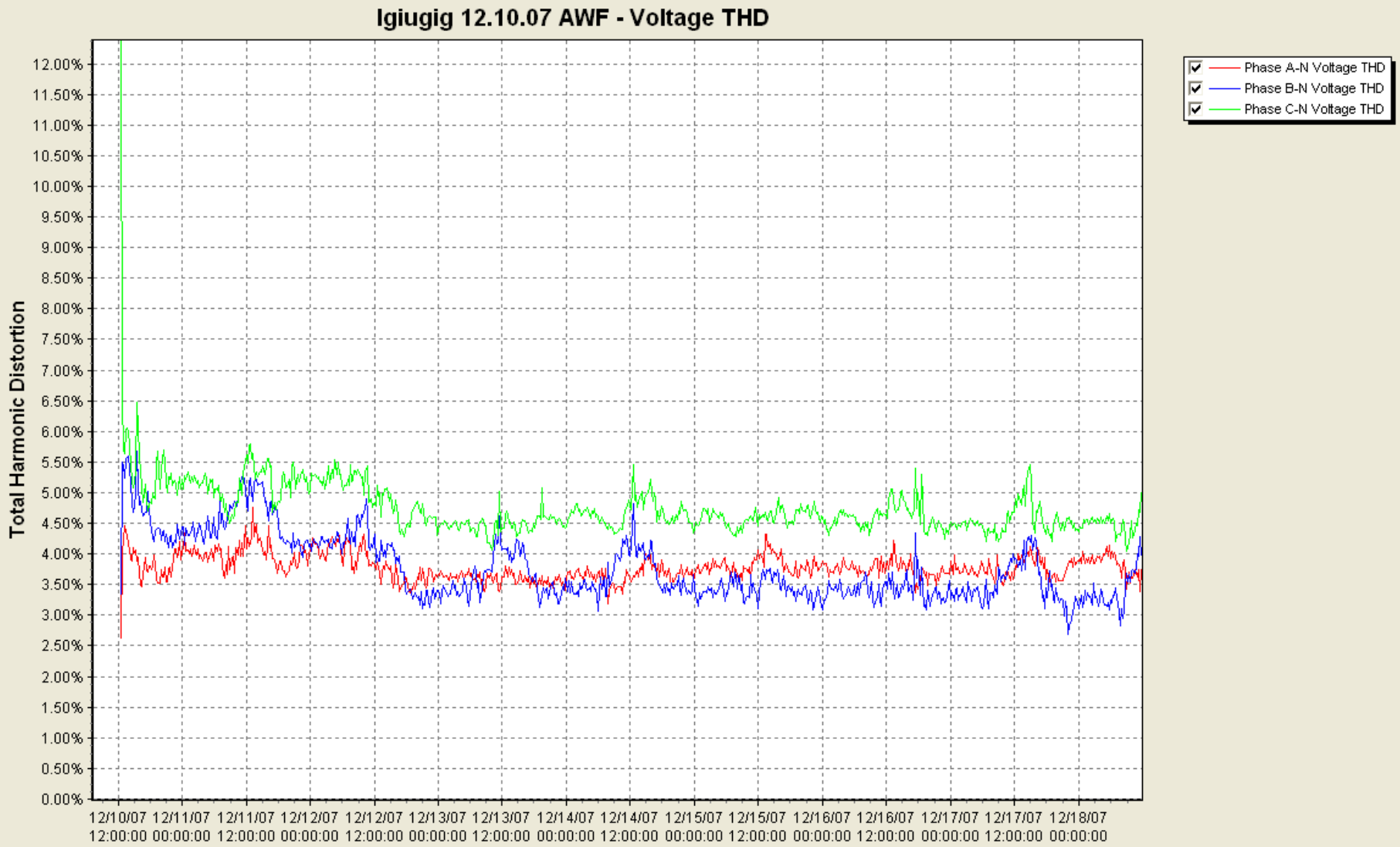

Igiugig 12.10.07 AWF - Reactive Power
Reactive Power (kVAR)
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
-18
-19
-20
-21
-22
-23
-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Total kVAR
Phase A Reactive Power (kVAR)
Phase B Reactive Power (kVAR)
Phase C Reactive Power (kVAR)

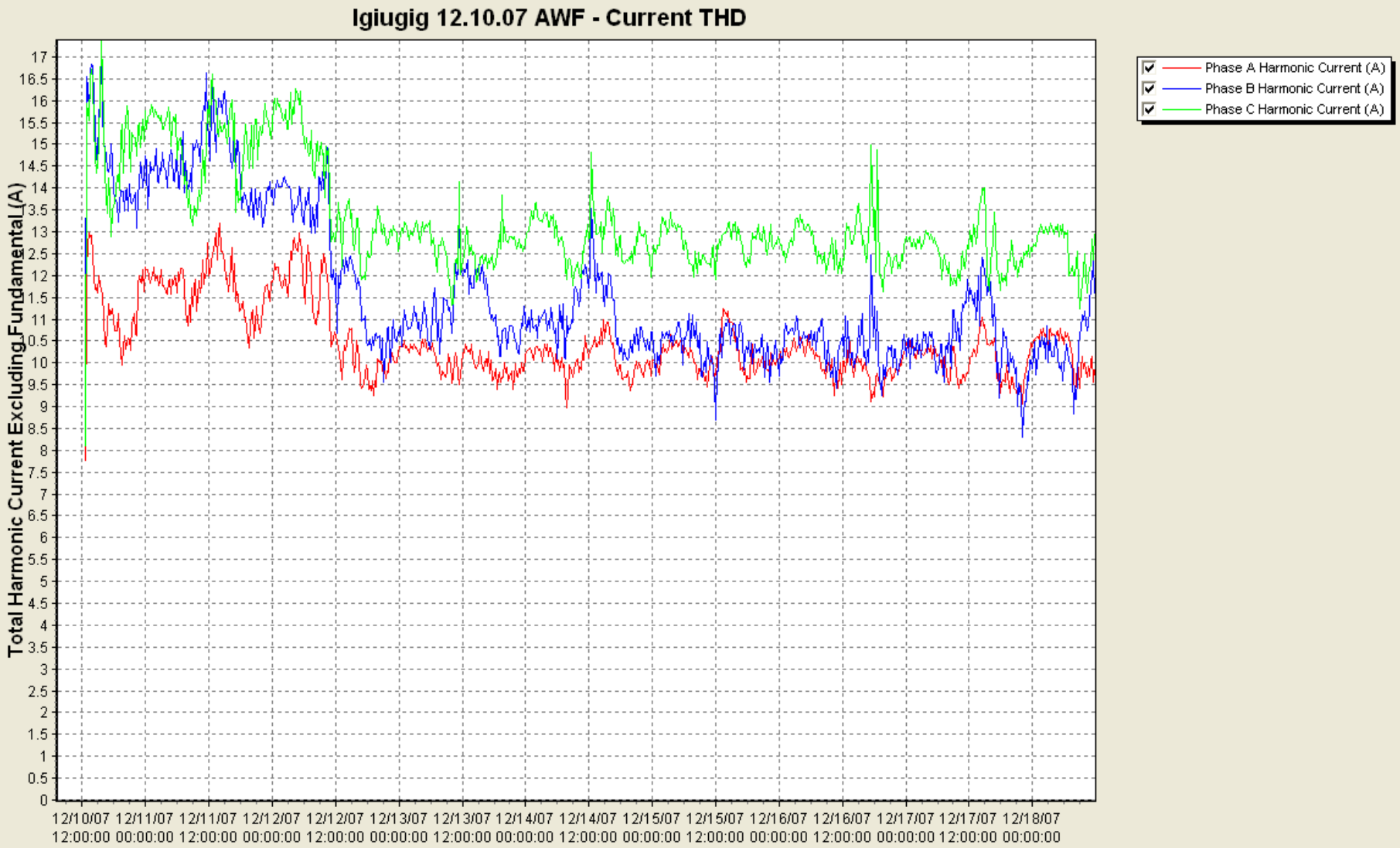

Igiugig 12.10.07 AWF - Apparent Power
Apparent Power (kVA)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A Apparent Power (kVA)
Phase B Apparent Power (kVA)
Phase C Apparent Power (kVA)
Total Apparent Power (kVA)

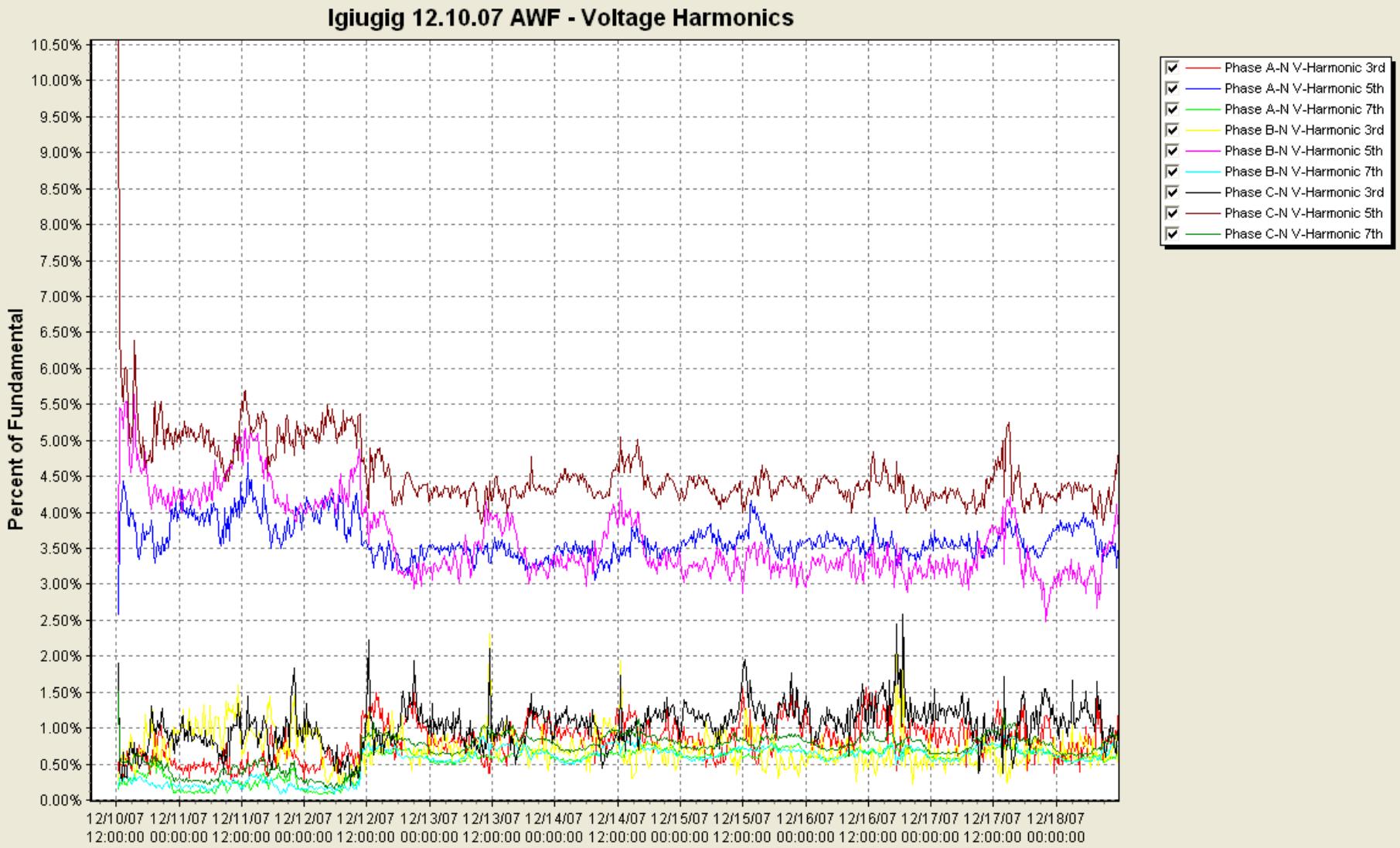

Igiugig 12.10.07 AWF - Power Factor
1.500
1.000
0.500
0.000
-0.500
-1.000
Power Factor
12/10/2007 0:00
12/12/2007 0:00
12/14/2007 0:00
12/16/2007 0:00
12/18/2007 0:0
Time
Phase A Total PF (Lagging is +)
Phase B Total PF (Lagging is +)
Phase C Total PF (Lagging is +)
Total PF (Lagging is +)
Enetics

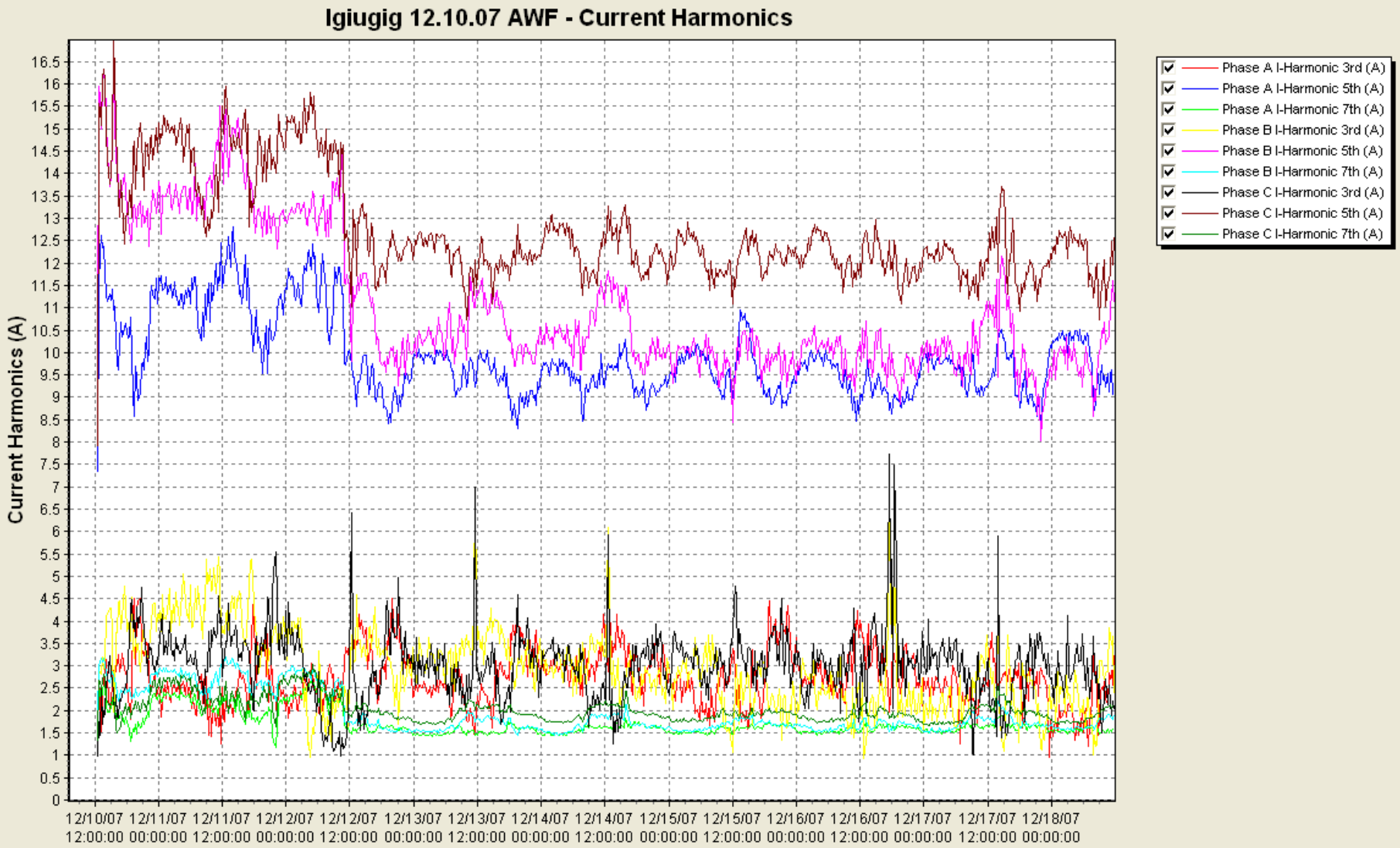

Igiugig 12.10.07 AWF - Voltage
Voltage (V)
284
283
282
281
280
279
278
277
276
275
274
273
272
271
270
269
268
267
266
265
264
263
262
261
260
259
258
257
256
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A-N Avg Volts
Phase A-N Max Volts
Phase B-N Avg Volts
Phase B-N Max Volts
Phase C-N Avg Volts
Phase C-N Max Volts
N-G Avg Volts
N-G Max Volts

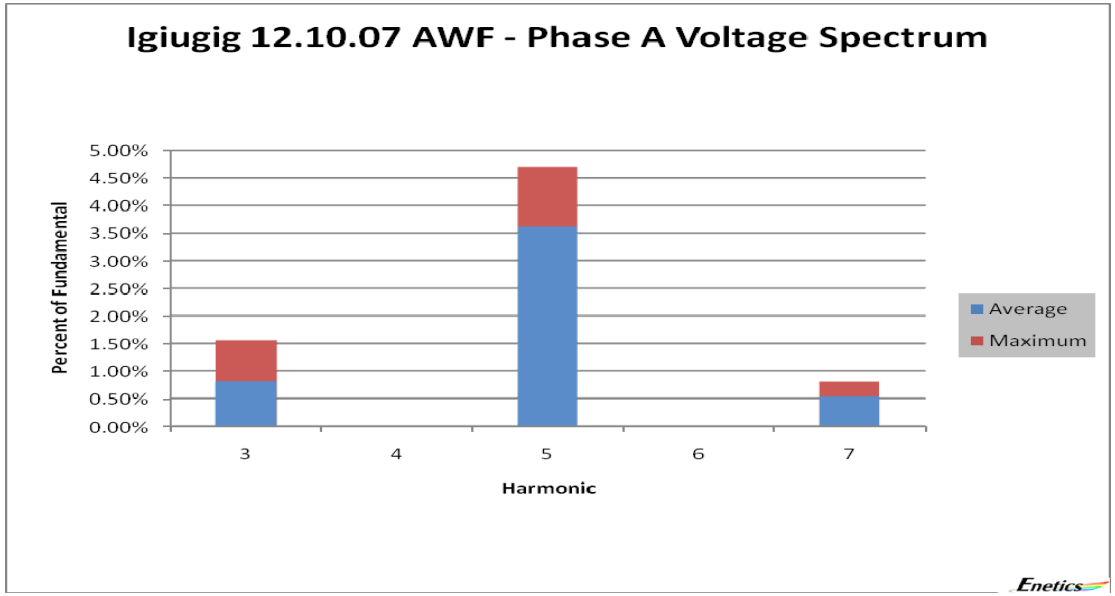

Igiugig 12.10.07 AWF - Current
Current (A)
74
72
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A Avg Amps
Phase A Max Amps
Phase B Avg Amps
Phase B Max Amps
Phase C Avg Amps
Phase C Max Amps
Neutral Avg Amps
Neutral Max Amps

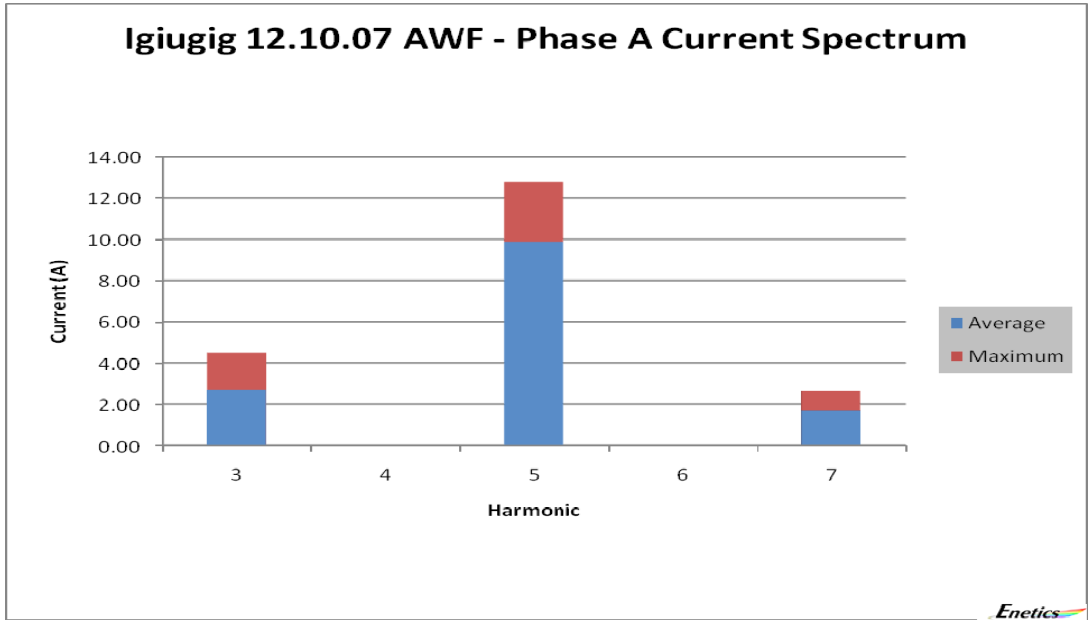

Igiugig 12.10.07 AWF - Voltage THD
Total Harmonic Distortion
12.00%
11.50%
11.00%
10.50%
10.00%
9.50%
9.00%
8.50%
8.00%
7.50%
7.00%
6.50%
6.00%
5.50%
5.00%
4.50%
4.00%
3.50%
3.00%
2.50%
2.00%
1.50%
1.00%
0.50%
0.00%
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A-N Voltage THD
Phase B-N Voltage THD
Phase C-N Voltage THD

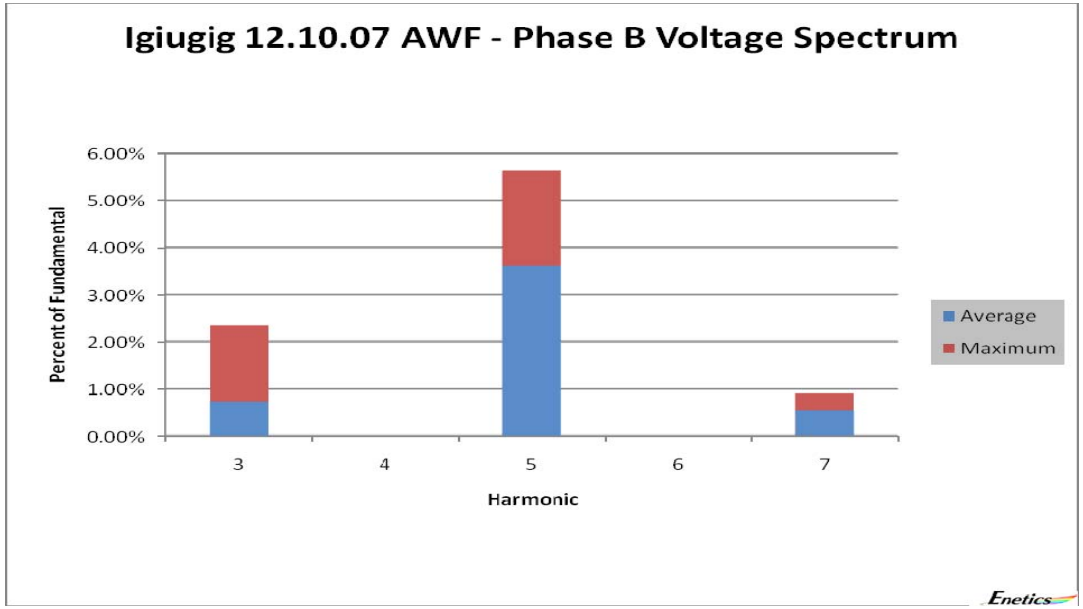

Igiugig 12.10.07 AWF - Current THD
Total Harmonic Current Excluding Fundamental (A)
Phase A Harmonic Current (A)
Phase B Harmonic Current (A)
Phase C Harmonic Current (A)
17
16.5
16
15.5
15
14.5
14
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00

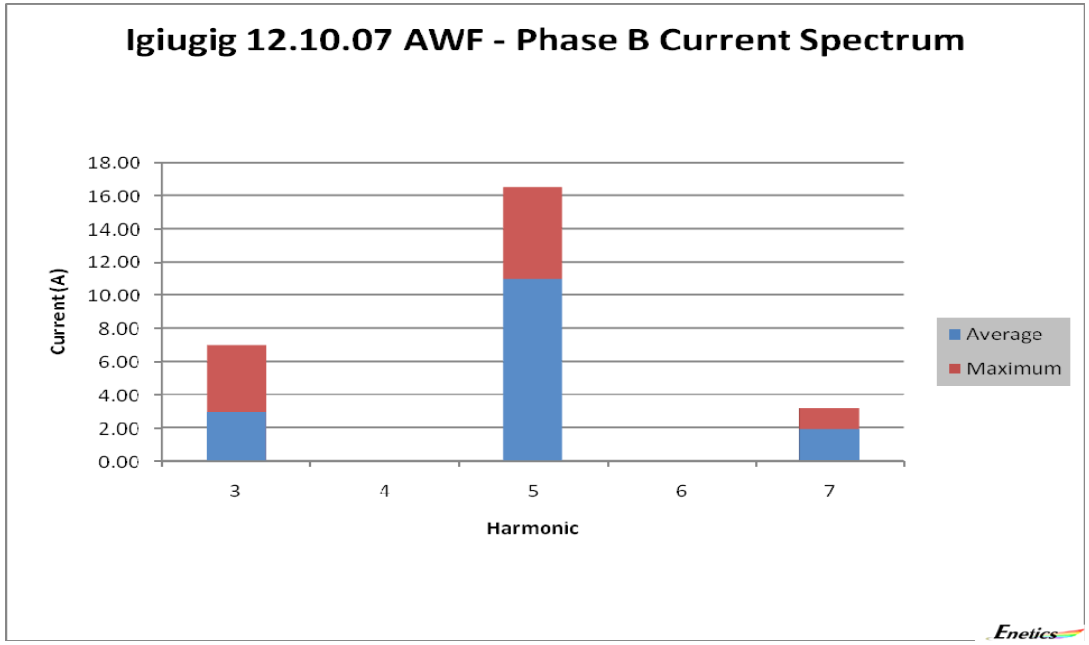

Igiugig 12.10.07 AWF - Voltage Harmonics
Percent of Fundamental
10.50%
10.00%
9.50%
9.00%
8.50%
8.00%
7.50%
7.00%
6.50%
6.00%
5.50%
5.00%
4.50%
4.00%
3.50%
3.00%
2.50%
2.00%
1.50%
1.00%
0.50%
0.00%
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A-N V-Harmonic 3rd
Phase A-N V-Harmonic 5th
Phase A-N V-Harmonic 7th
Phase B-N V-Harmonic 3rd
Phase B-N V-Harmonic 5th
Phase B-N V-Harmonic 7th
Phase C-N V-Harmonic 3rd
Phase C-N V-Harmonic 5th
Phase C-N V-Harmonic 7th

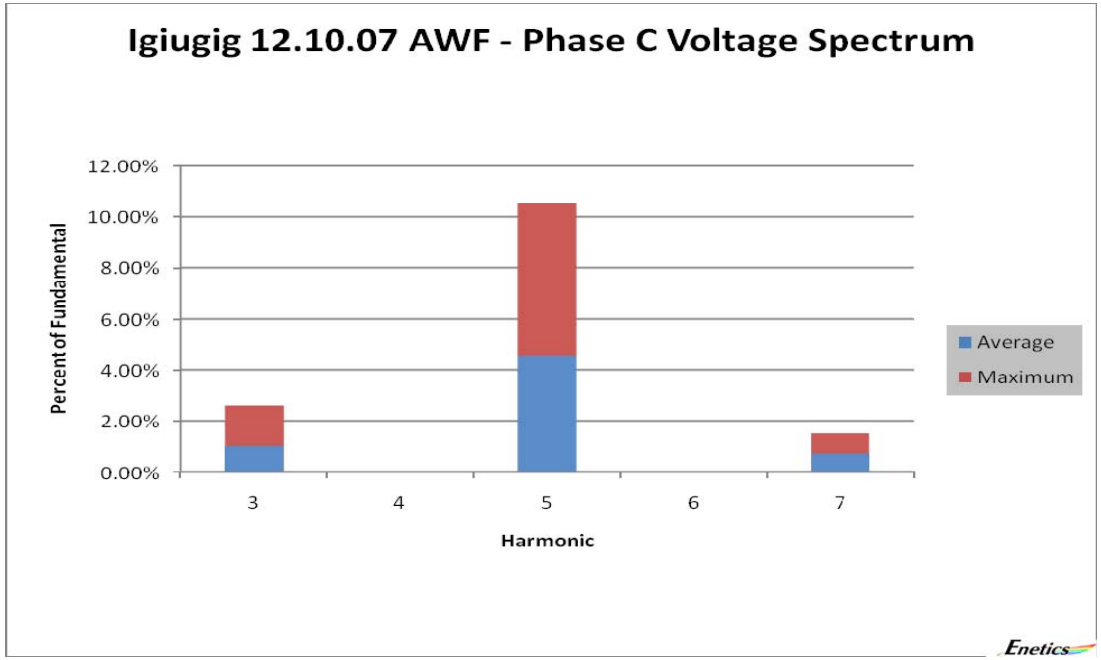

Igiugig 12.10.07 AWF - Current Harmonics
Current Harmonics (A)
16.5
16
15.5
15
14.5
14
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
12/10/07 12:00:00
12/11/07 00:00:00
12/11/07 12:00:00
12/12/07 00:00:00
12/12/07 12:00:00
12/13/07 00:00:00
12/13/07 12:00:00
12/14/07 00:00:00
12/14/07 12:00:00
12/15/07 00:00:00
12/15/07 12:00:00
12/16/07 00:00:00
12/16/07 12:00:00
12/17/07 00:00:00
12/17/07 12:00:00
12/18/07 00:00:00
Phase A I-Harmonic 3rd (A)
Phase A I-Harmonic 5th (A)
Phase A I-Harmonic 7th (A)
Phase B I-Harmonic 3rd (A)
Phase B I-Harmonic 5th (A)
Phase B I-Harmonic 7th (A)
Phase C I-Harmonic 3rd (A)
Phase C I-Harmonic 5th (A)
Phase C I-Harmonic 7th (A)

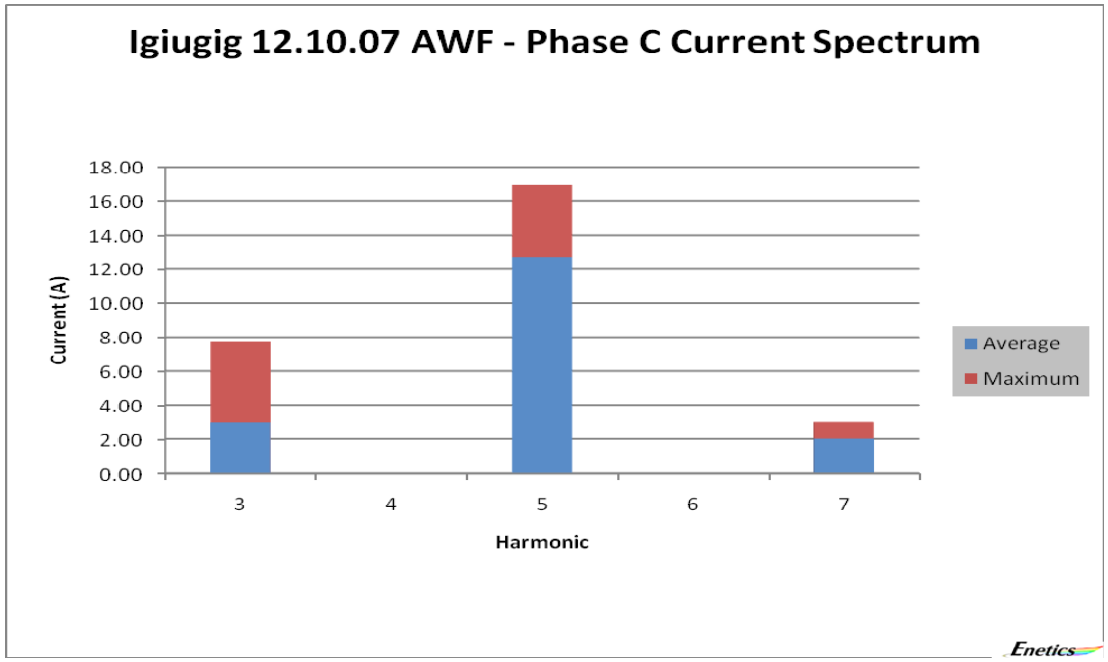

Igiugig 12.10.07 AWF - Phase A Voltage Spectrum
Percent of Fundamental
5.00%
4.50%
4.00%
3.50%
3.00%
2.50%
2.00%
1.50%
1.00%
0.50%
0.00%
3
4
5
6
7
Harmonic
Average
Maximum
Enetics


Igiugig 12.10.07 AWF - Phase A Current Spectrum
Current (A)
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
3
4
5
6
7
Harmonic
Average
Maximum
Enetics


Igiugig 12.10.07 AWF - Phase B Voltage Spectrum
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
Percent of Fundamental
3
4
5
6
7
Harmonic
Average
Maximum
Enetics


Igiugig 12.10.07 AWF - Phase B Current Spectrum
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Current (A)
3
4
5
6
7
Harmonic
Average
Maximum
Enetics


Igiugig 12.10.07 AWF - Phase C Voltage Spectrum
12.00%
10.00%
8.00%
6.00%
4.00%
2.00%
0.00%
Percent of Fundamental
3
4
5
6
7
Harmonic
Average
Maximum
Enetics


Igiugig 12.10.07 AWF - Phase C Current Spectrum
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Current (A)
3
4
5
6
7
Harmonic
Average
Maximum
Enetics