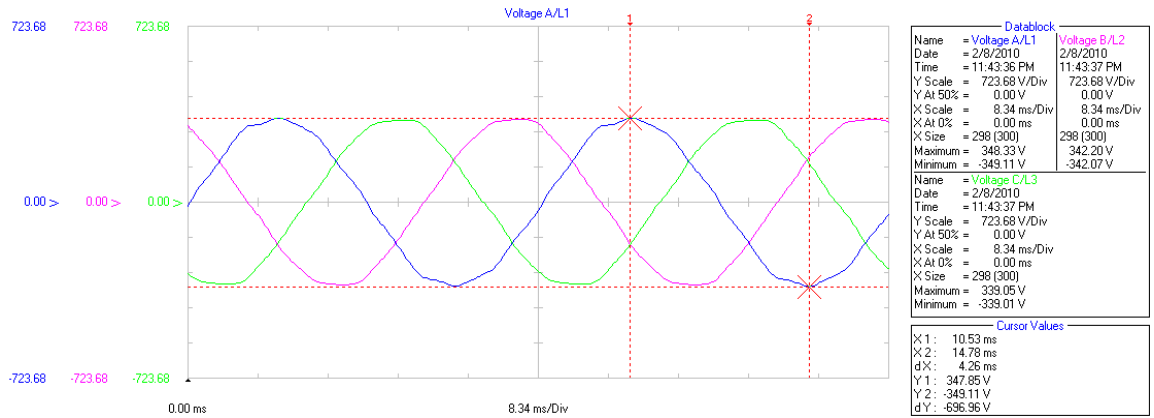


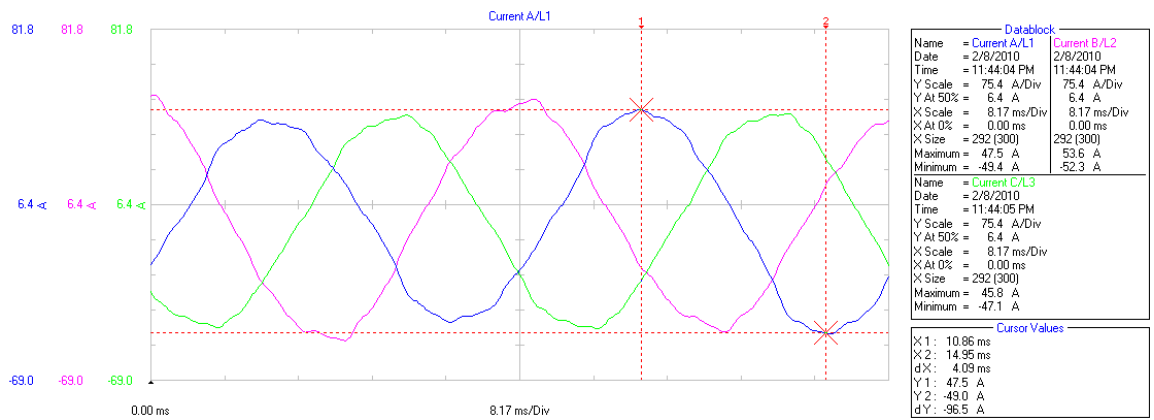
BEAR POINT MOTOR TESTS
PUMP B
FEBRUARY 2010

TEMPLATE: .84 PLATE PF MAX
 MOSQUITO DIKE STATION BEAR POINT MOTOR B

VOLTAGES

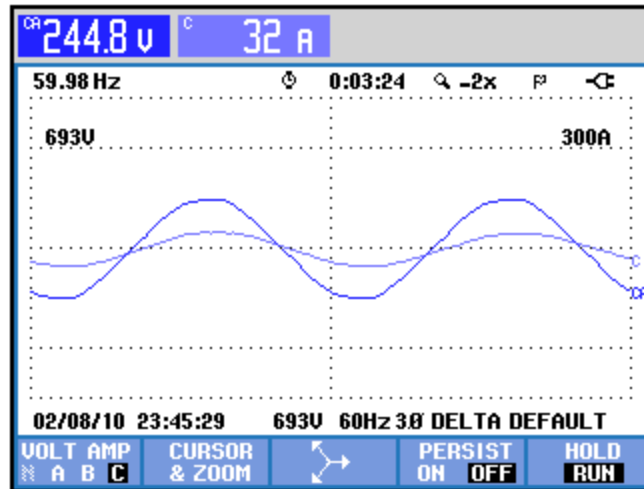
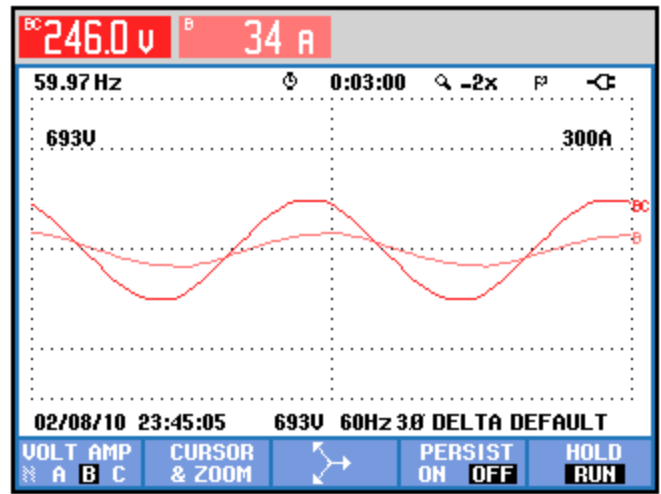
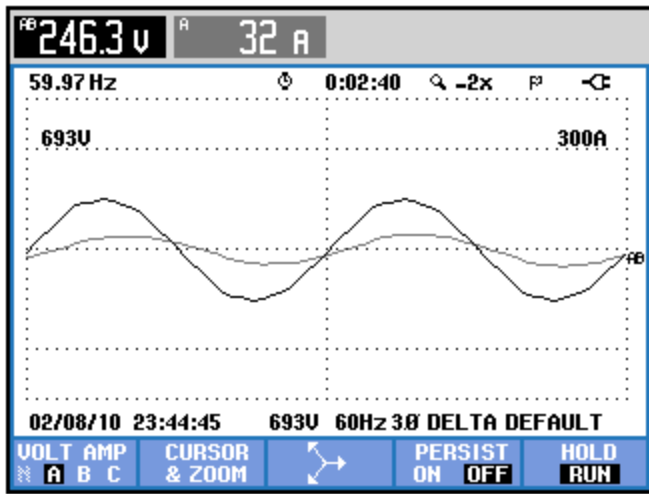


CURRENTS:

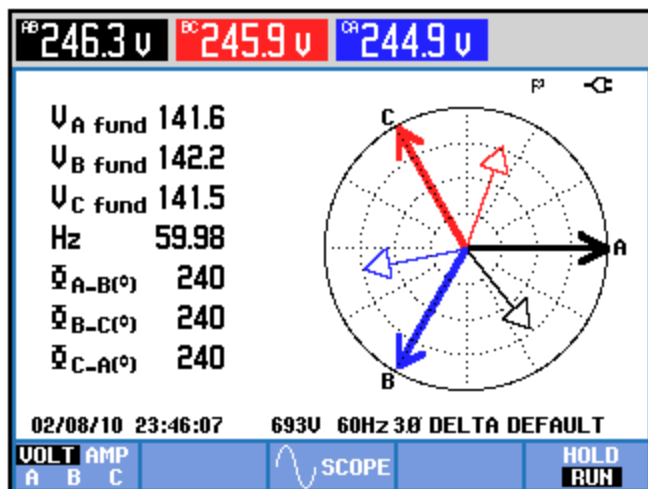


NEUTRAL: NONE

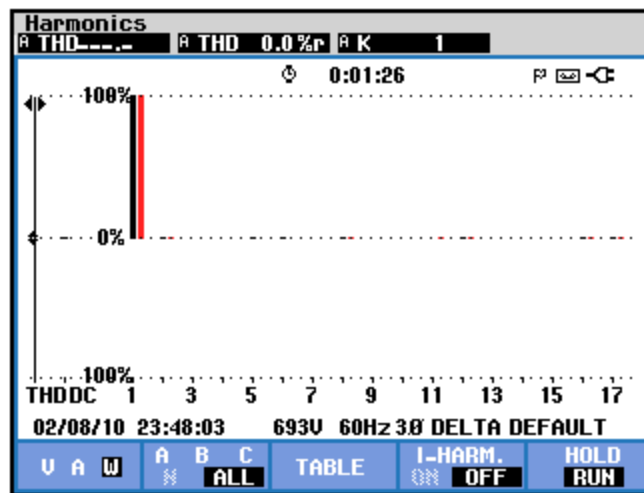
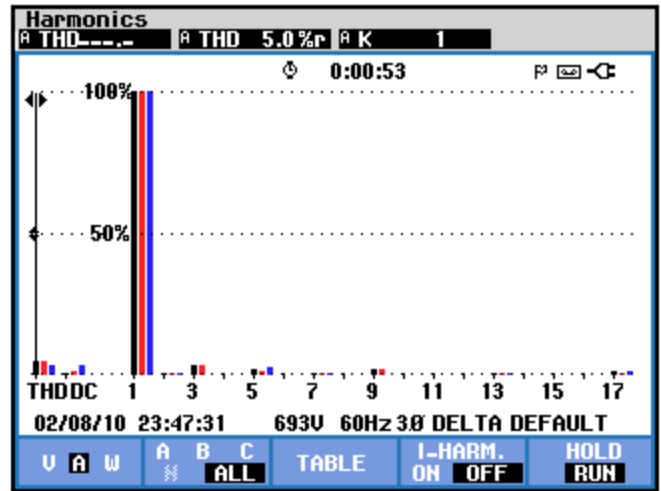
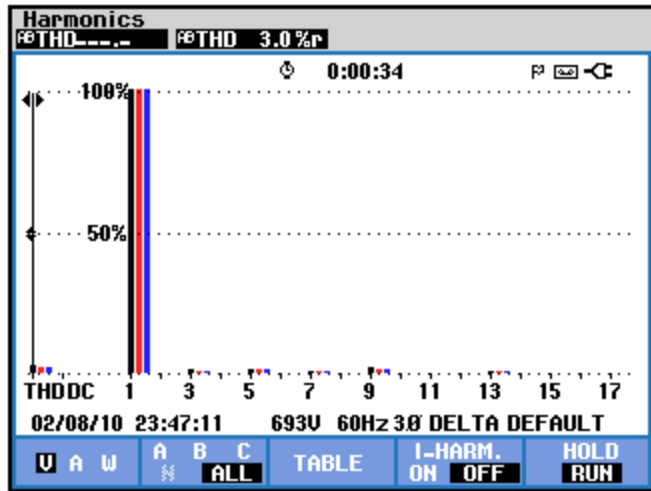
PHASE OVERLAYS:



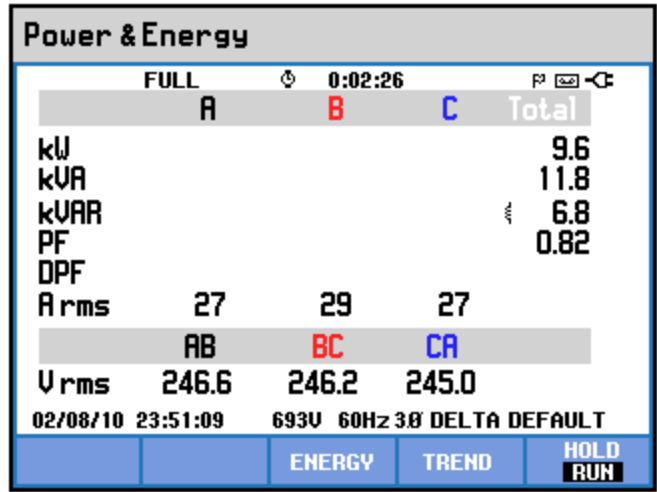
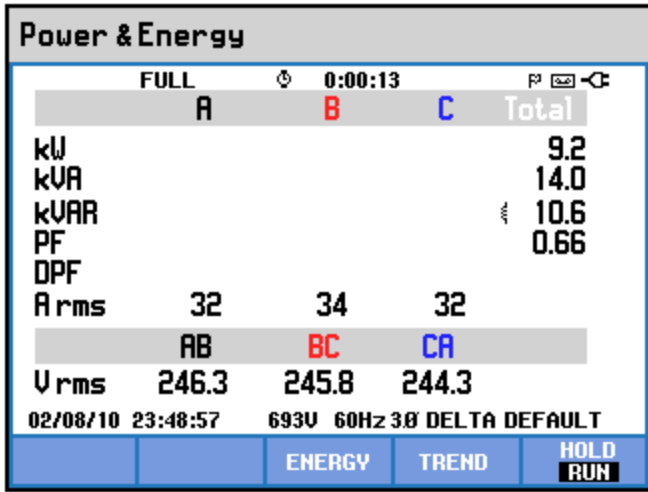
VECTOR:



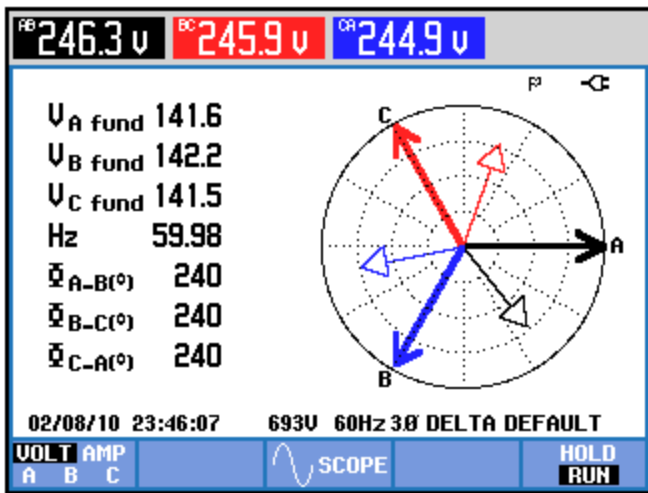
HARMONICS:



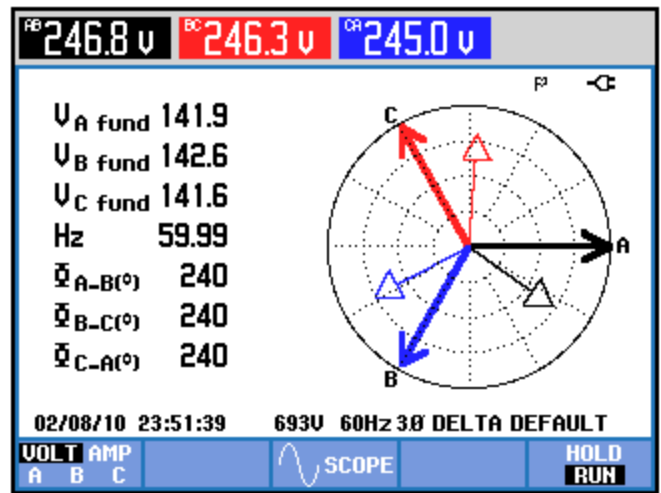
TRENDS:



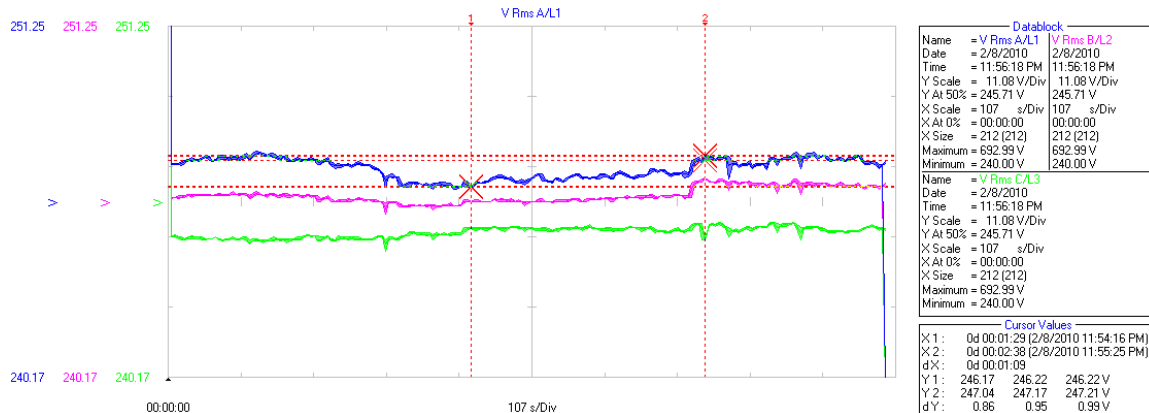
UNCORRECTED



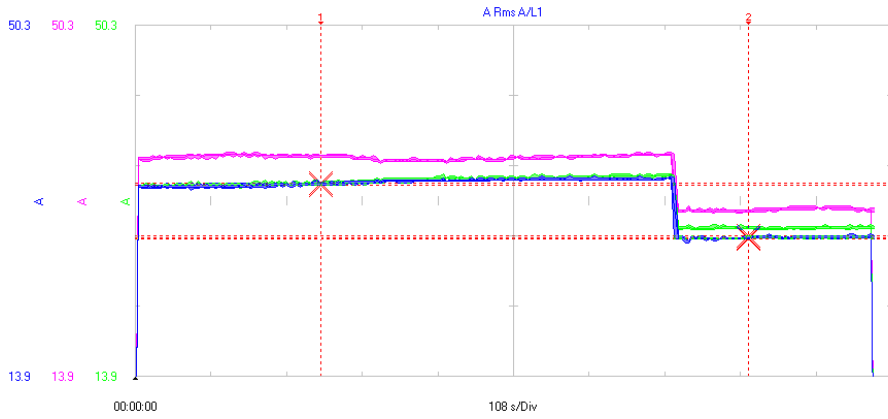
US3 SWITCHES AT AMPS



VOLTAGES:



CURRENTS:

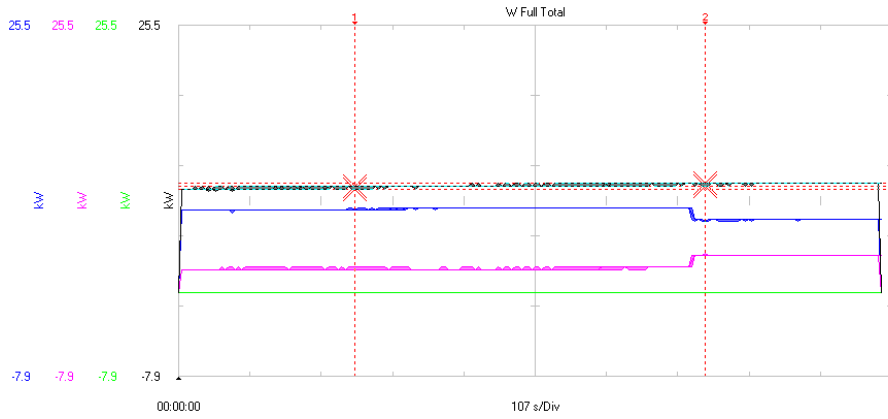


Datablock	
Name = A Rms A/L1	A Rms B/L2
Date = 2/8/2010	2/8/2010
Time = 11:56:18 PM	11:56:18 PM
Y Scale = 36.4 A/Div	36.4 A/Div
Y At 50% = 32.1 A	32.1 A
X Scale = 108 s/Div	108 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 212 (212)	212 (212)
Maximum = 34.7 A	37.2 A
Minimum = 0.0 A	0.0 A

Datablock	
Name = A Rms C/L3	
Date = 2/8/2010	
Time = 11:56:18 PM	
Y Scale = 36.4 A/Div	
Y At 50% = 32.1 A	
X Scale = 108 s/Div	
X At 0% = 00:00:00	
X Size = 212 (212)	
Maximum = 34.9 A	
Minimum = 0.0 A	

Cursor Values	
X1:	0d 00:00:53 (2/8/2010 11:53:40 PM)
X2:	0d 00:02:55 (2/8/2010 11:55:42 PM)
dX:	0d 00:02:02
Y1:	33.8 34.0 34.0 A
Y2:	28.0 28.2 28.4 A
dY:	-5.7 -5.7 -5.5 A

WATTS:

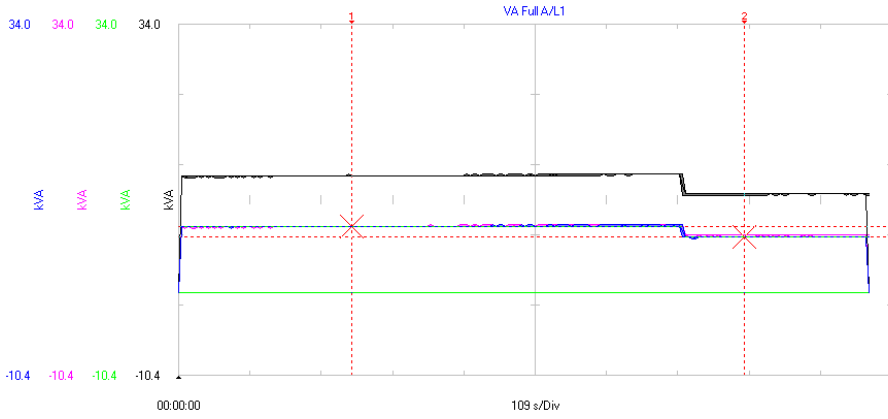


Datablock	
Name = W Full A/L1	W Full B/L2
Date = 2/8/2010	2/8/2010
Time = 11:56:18 PM	11:56:18 PM
Y Scale = 33.5 kW/Div	33.5 kW/Div
Y At 50% = 8.8 kW	8.8 kW
X Scale = 107 s/Div	107 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 212 (212)	212 (212)
Maximum = 8.1 kW	3.8 kW
Minimum = 0.0 kW	0.0 kW

Datablock	
Name = W Full C/L3	W Full Total
Date = 2/8/2010	2/8/2010
Time = 11:56:18 PM	11:56:18 PM
Y Scale = 33.5 kW/Div	33.5 kW/Div
Y At 50% = 8.8 kW	8.8 kW
X Scale = 107 s/Div	107 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 212 (212)	212 (212)
Maximum = 0.0 kW	10.5 kW
Minimum = 0.0 kW	0.0 kW

Cursor Values	
X1:	0d 00:00:53 (2/8/2010 11:53:40 PM)
X2:	0d 00:02:38 (2/8/2010 11:55:25 PM)
dX:	0d 00:01:45
Y1:	10.0 10.2 10.2 kW
Y2:	10.2 10.5 10.5 kW
dY:	0.3 0.3 0.3 kW

VA WATTS:

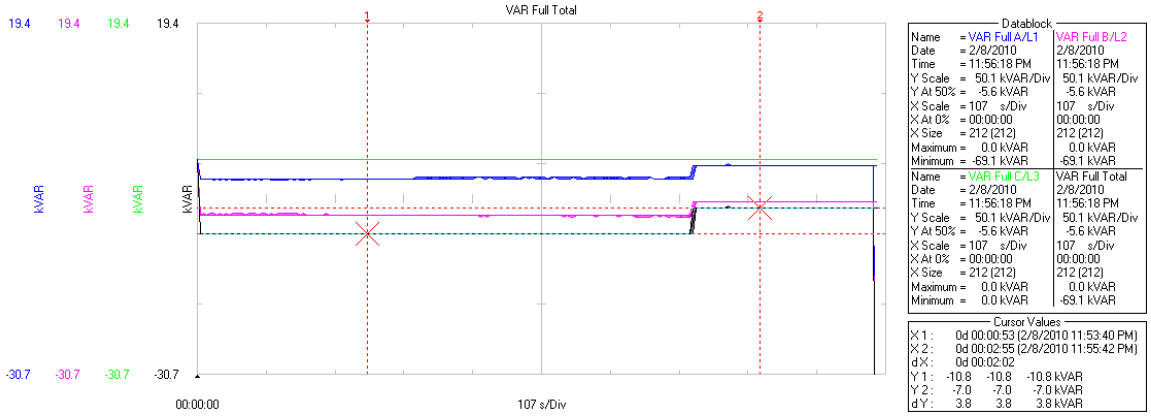


Datablock	
Name = VA Full A/L1	VA Full B/L2
Date = 2/8/2010	2/8/2010
Time = 11:56:18 PM	11:56:18 PM
Y Scale = 44.4 kVA/Div	44.4 kVA/Div
Y At 50% = 11.8 kVA	11.8 kVA
X Scale = 109 s/Div	109 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 212 (212)	212 (212)
Maximum = 8.6 kVA	8.6 kVA
Minimum = 0.0 kVA	0.0 kVA

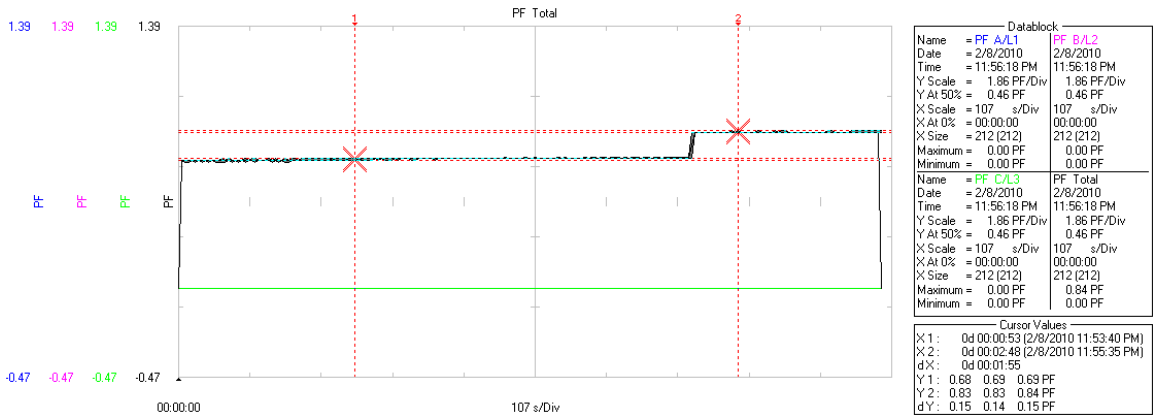
Datablock	
Name = VA Full C/L3	VA Full Total
Date = 2/8/2010	2/8/2010
Time = 11:56:18 PM	11:56:18 PM
Y Scale = 44.4 kVA/Div	44.4 kVA/Div
Y At 50% = 11.8 kVA	11.8 kVA
X Scale = 109 s/Div	109 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 212 (212)	212 (212)
Maximum = 0.0 kVA	15.1 kVA
Minimum = 0.0 kVA	0.0 kVA

Cursor Values	
X1:	0d 00:00:53 (2/8/2010 11:53:40 PM)
X2:	0d 00:02:53 (2/8/2010 11:55:40 PM)
dX:	0d 00:02:00
Y1:	8.4 8.4 8.4 kVA
Y2:	7.0 7.0 7.0 kVA
dY:	-1.3 -1.3 -1.3 kVA

VAR:



POWER FACTOR:



DISPLACEMENT POWER FACTOR:

N/A

.71 START

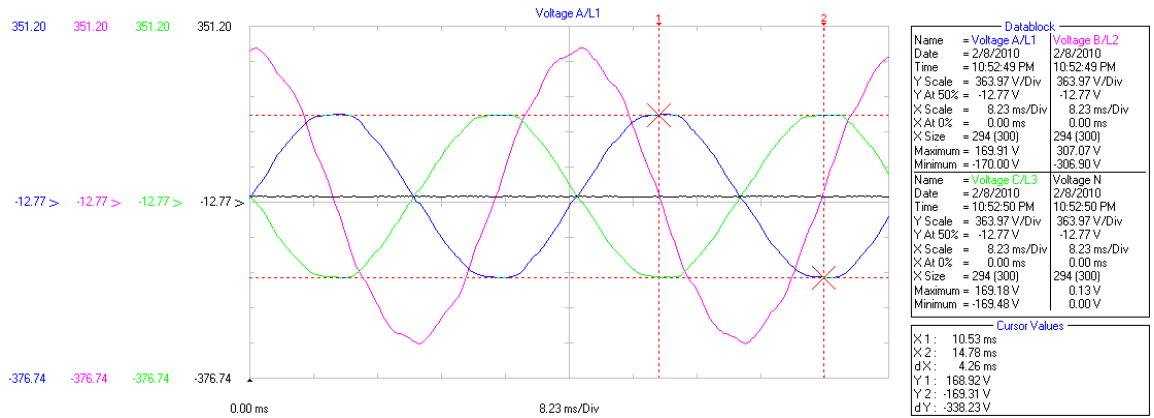
SW 1,2 = .81PF

SW 3 ONLY .84PF

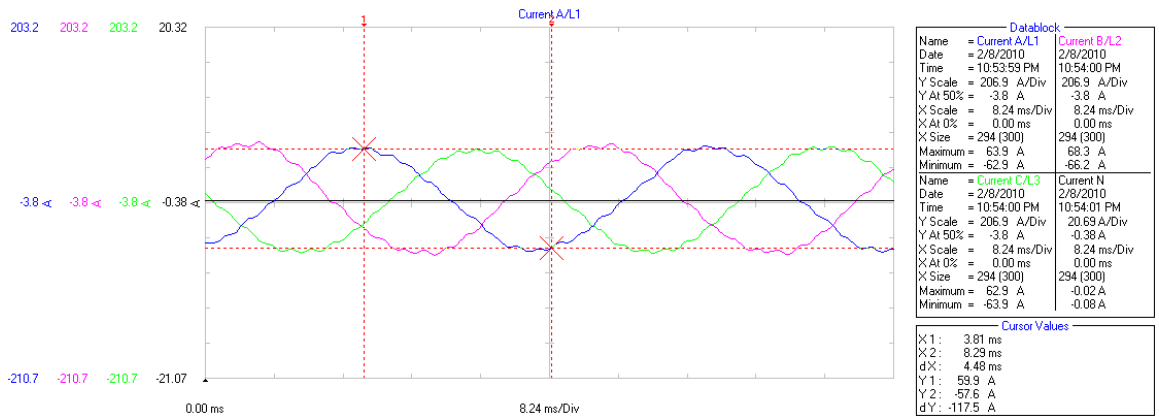
BEAR POINT MOTOR TESTS
PUMP C
FEBRUARY 2010

TEMPLATE: .84 PLATE PF MAX
 MOSQUITO DIKE STATION BEAR POINT MOTOR C

VOLTAGES

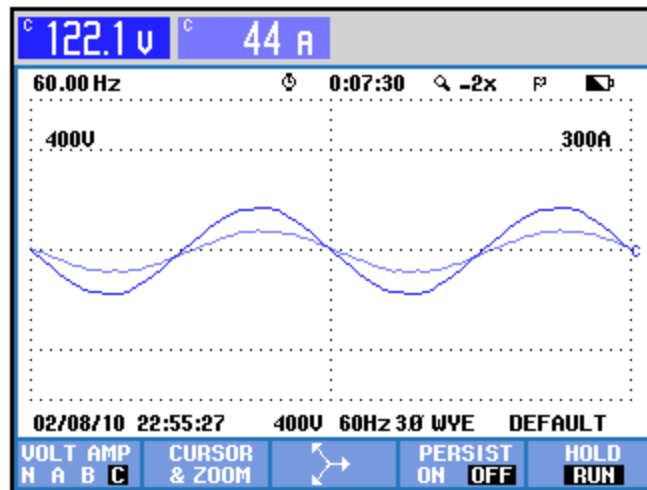
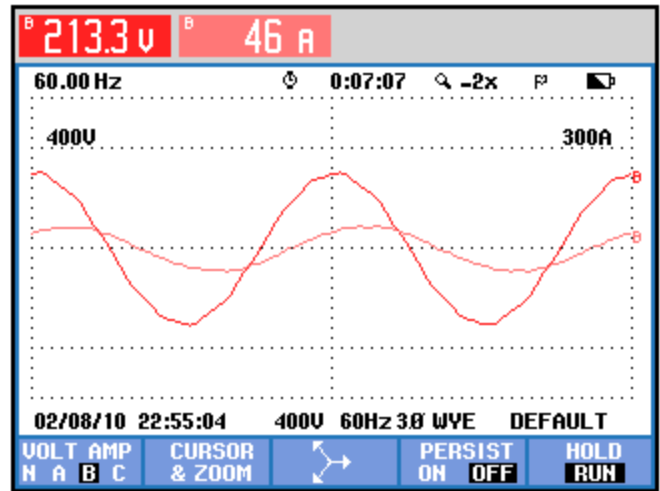
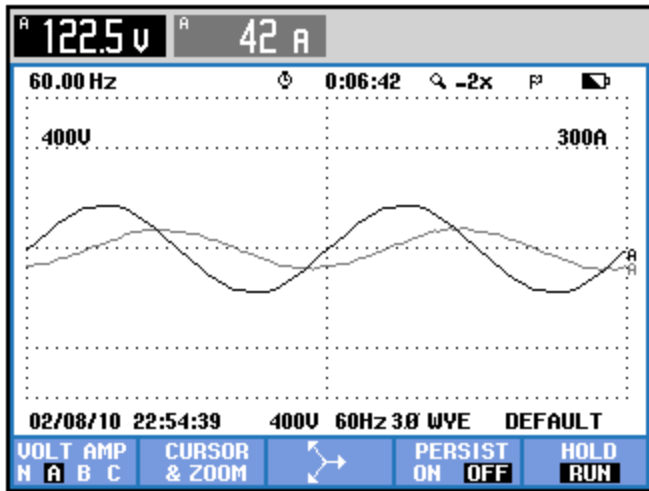


CURRENTS:

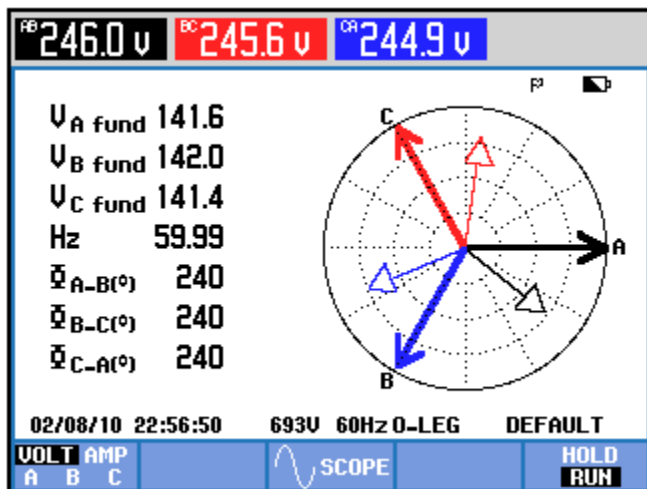


NEUTRAL: NONE

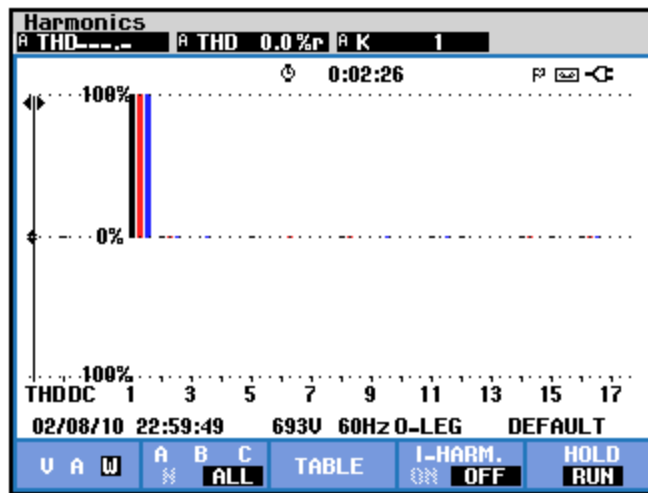
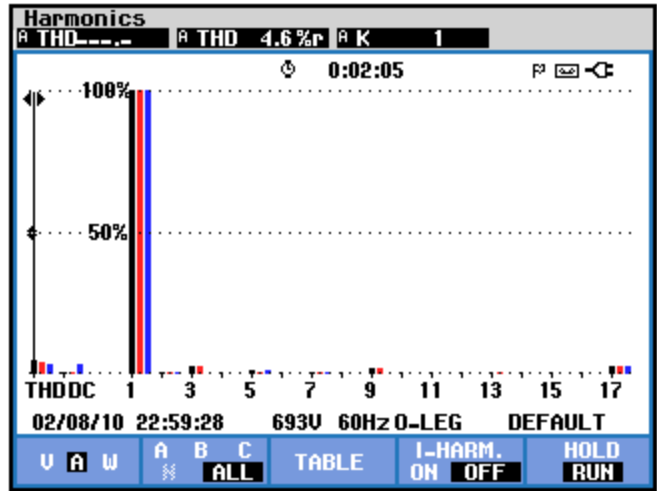
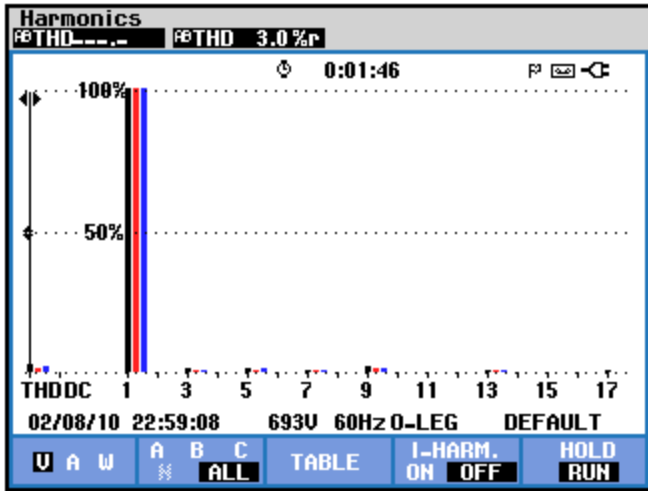
PHASE OVERLAYS:



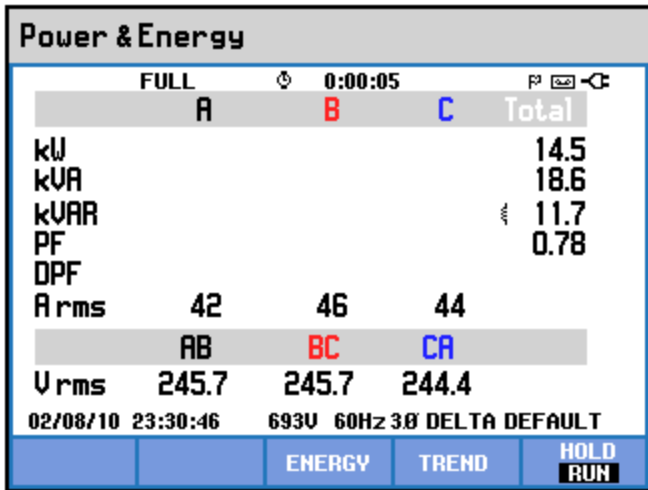
VECTOR:



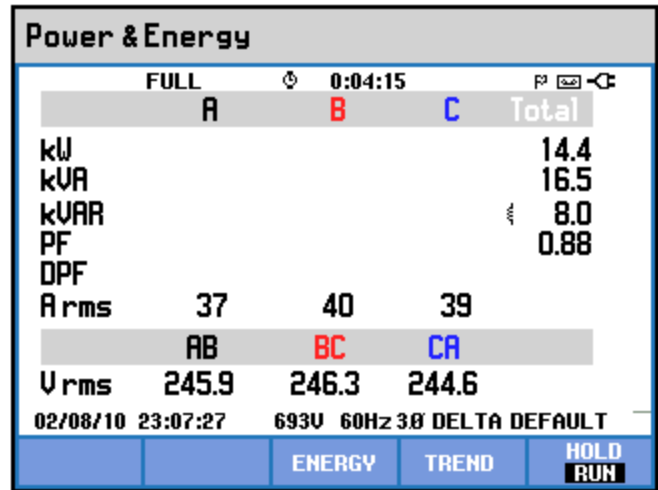
HARMONICS:



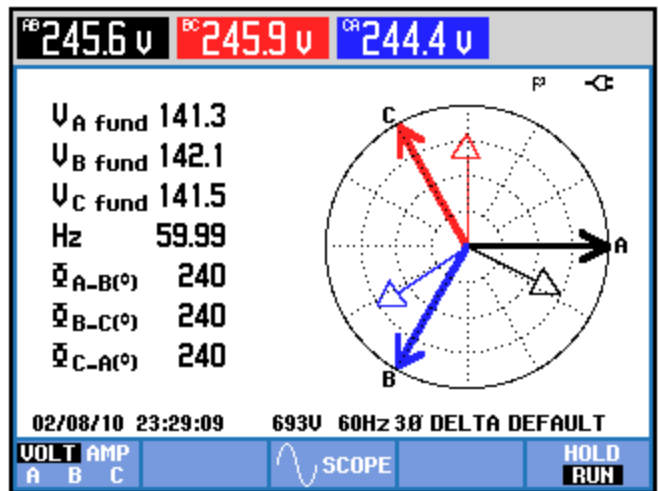
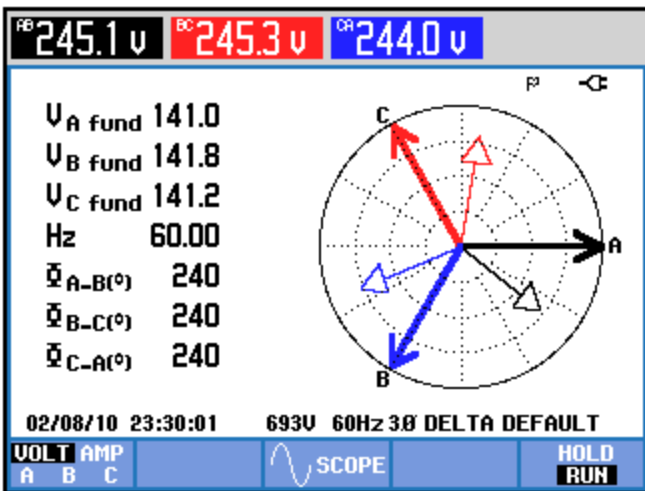
TRENDS:



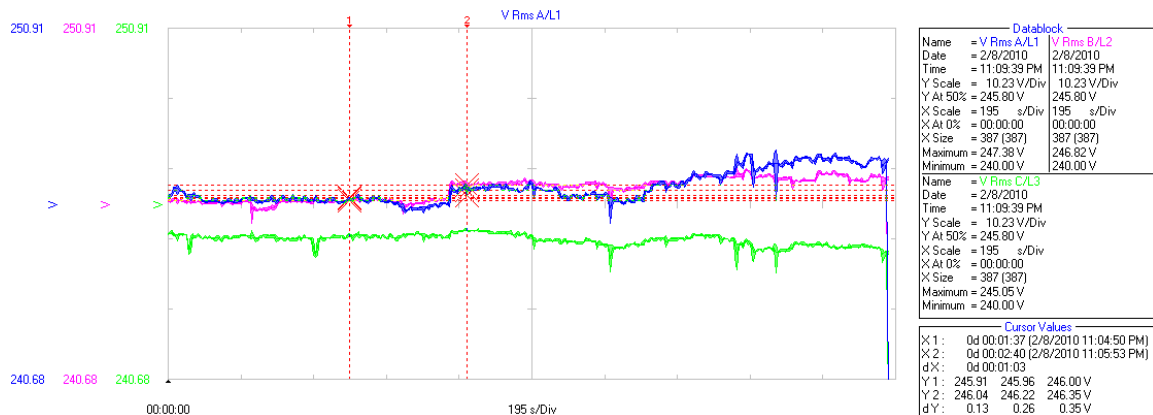
UNCORRECTED



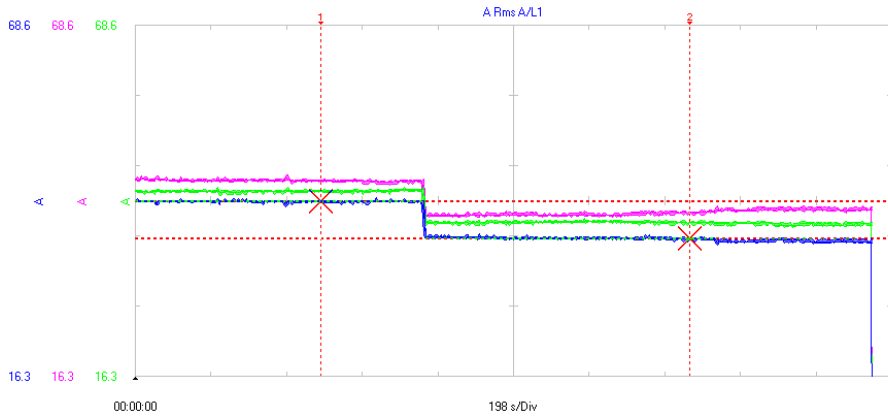
KVAR UNIT IN PLACE, UNKNOWN
US 2-4 MARKED FOR 480 .84PF LIMITED



VOLTAGES:

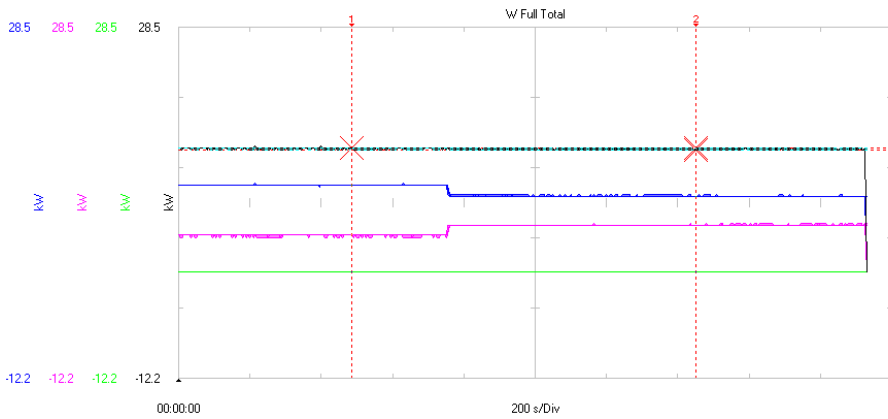


CURRENTS:



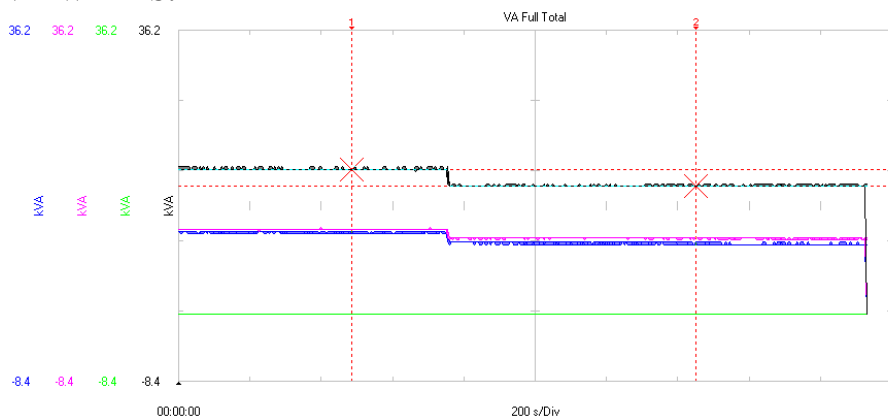
Datablock	
Name = A Rms A/L1	A Rms B/L2
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 52.3 A/Div	52.3 A/Div
Y At 50% = 42.4 A	42.4 A
X Scale = 198 s/Div	198 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 42.9 A	46.3 A
Minimum = 0.0 A	0.0 A
Name = A Rms C/L3	
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 52.3 A/Div	52.3 A/Div
Y At 50% = 42.4 A	42.4 A
X Scale = 198 s/Div	198 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 44.4 A	46.3 A
Minimum = 0.0 A	0.0 A
Cursor Values	
X1: 0d 00:01:37 (2/8/2010 11:04:50 PM)	
X2: 0d 00:04:50 (2/8/2010 11:08:03 PM)	
dX: 0d 00:03:13	
Y1: 42.2 42.2 42.3 A	
Y2: 36.6 36.6 36.8 A	
dY: -5.5 -5.5 -5.5 A	

WATTS:



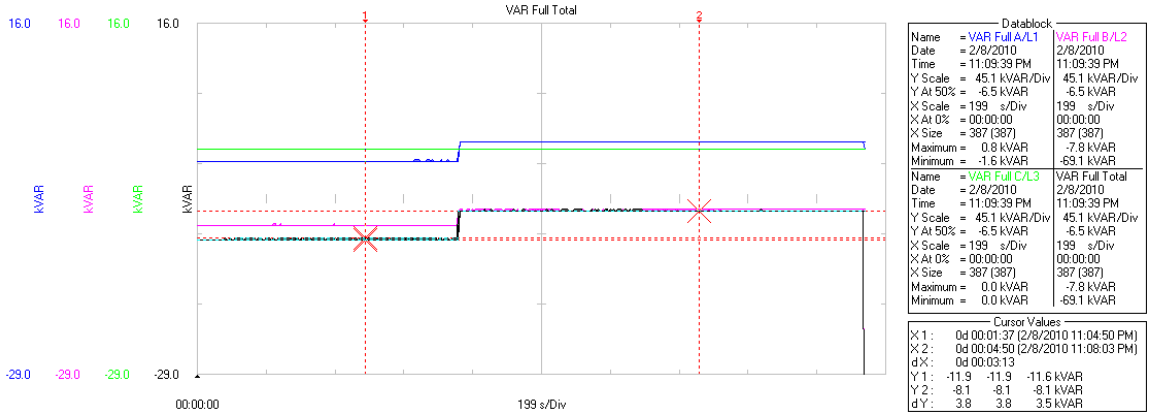
Datablock	
Name = W Full A/L1	W Full B/L2
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 40.7 kW/Div	40.7 kW/Div
Y At 50% = 8.1 kW	8.1 kW
X Scale = 200 s/Div	200 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 10.5 kW	5.7 kW
Minimum = 0.0 kW	0.0 kW
Name = W Full C/L3	
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 40.7 kW/Div	40.7 kW/Div
Y At 50% = 8.1 kW	8.1 kW
X Scale = 200 s/Div	200 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 0.0 kW	14.8 kW
Minimum = 0.0 kW	0.0 kW
Cursor Values	
X1: 0d 00:01:37 (2/8/2010 11:04:50 PM)	
X2: 0d 00:04:50 (2/8/2010 11:08:03 PM)	
dX: 0d 00:03:13	
Y1: 14.6 14.6 14.6 kW	
Y2: 14.3 14.6 14.6 kW	
dY: -0.3 0.0 0.0 kW	

VA WATTS:

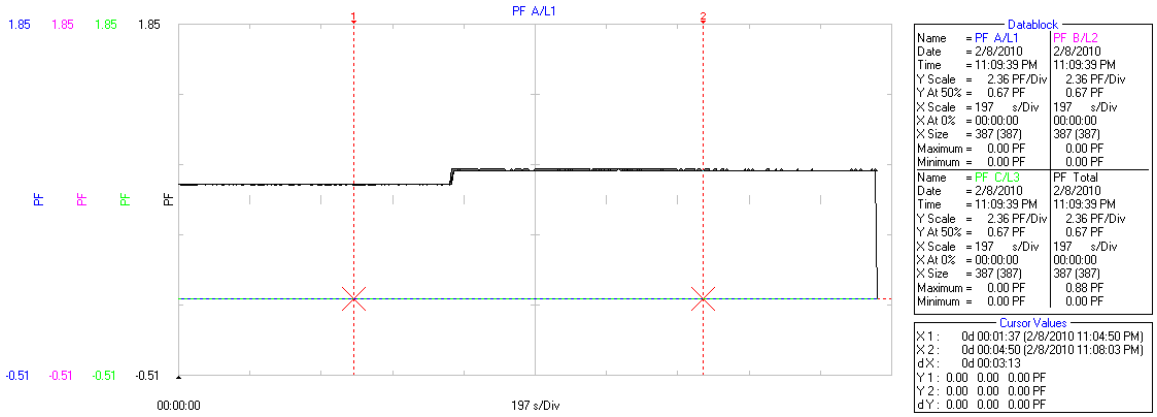


Datablock	
Name = VA Full A/L1	VA Full B/L2
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 44.6 kVA/Div	44.6 kVA/Div
Y At 50% = 13.9 kVA	13.9 kVA
X Scale = 200 s/Div	200 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 10.5 kVA	11.1 kVA
Minimum = 0.0 kVA	0.0 kVA
Name = VA Full C/L3	
Date = 2/8/2010	2/8/2010
Time = 11:09:39 PM	11:09:39 PM
Y Scale = 44.6 kVA/Div	44.6 kVA/Div
Y At 50% = 13.9 kVA	13.9 kVA
X Scale = 200 s/Div	200 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 387 (387)	387 (387)
Maximum = 0.0 kVA	18.9 kVA
Minimum = 0.0 kVA	0.0 kVA
Cursor Values	
X1: 0d 00:01:37 (2/8/2010 11:04:50 PM)	
X2: 0d 00:04:50 (2/8/2010 11:08:03 PM)	
dX: 0d 00:03:13	
Y1: 18.6 18.6 18.6 kVA	
Y2: 16.5 16.5 16.5 kVA	
dY: -2.2 -2.2 -2.2 kVA	

VAR:



POWER FACTOR:



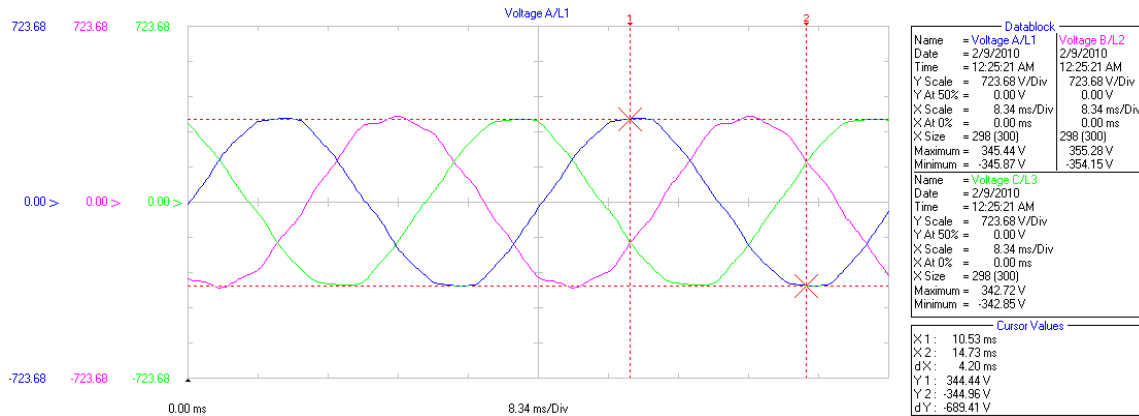
DISPLACEMENT POWER FACTOR:

N/A

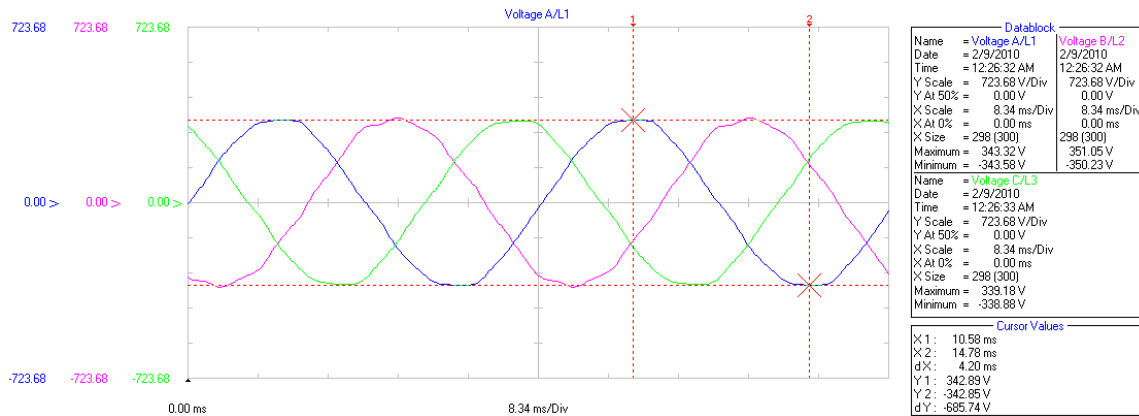
BEAR POINT MOTOR TESTS
PUMP E
FEBRUARY 2010

TEMPLATE: .84 PLATE PF MAX
 MOSQUITO DIKE STATION BEAR POINT MOTOR E

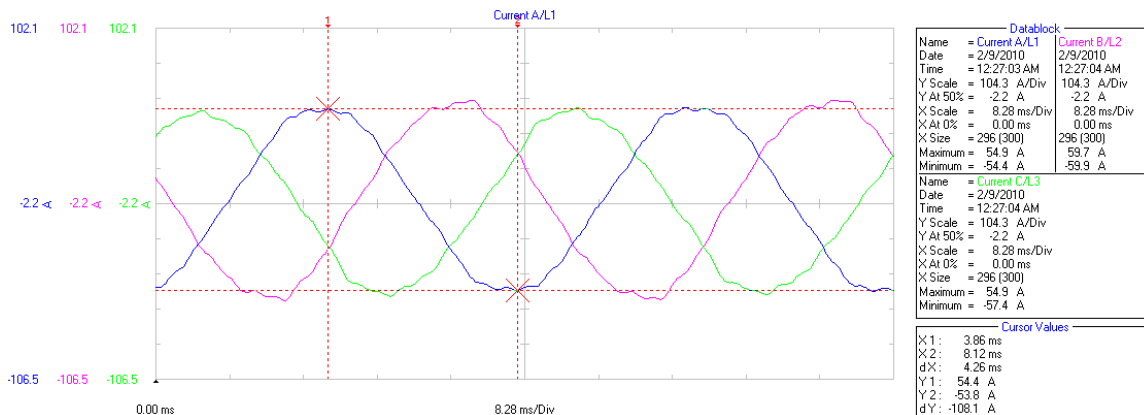
VOLTAGES UNLOADED



LOADED VOLTAGE:

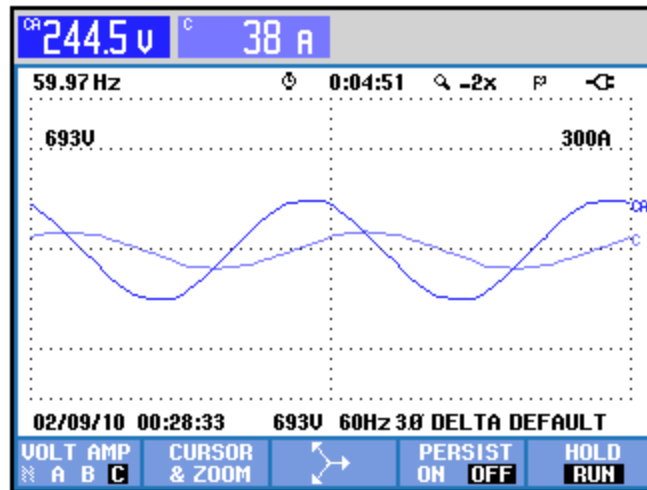
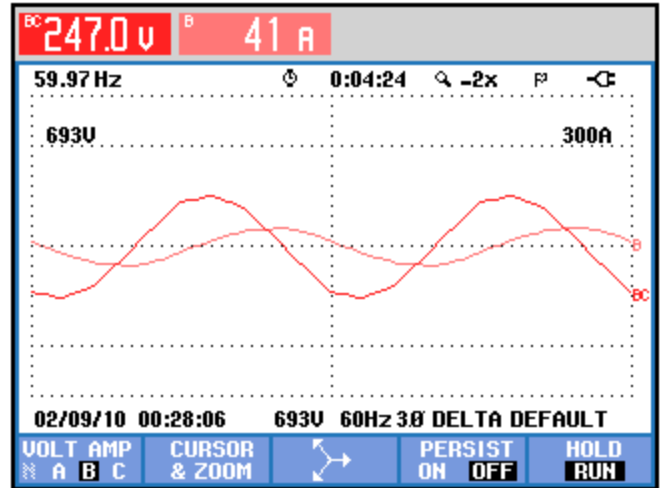
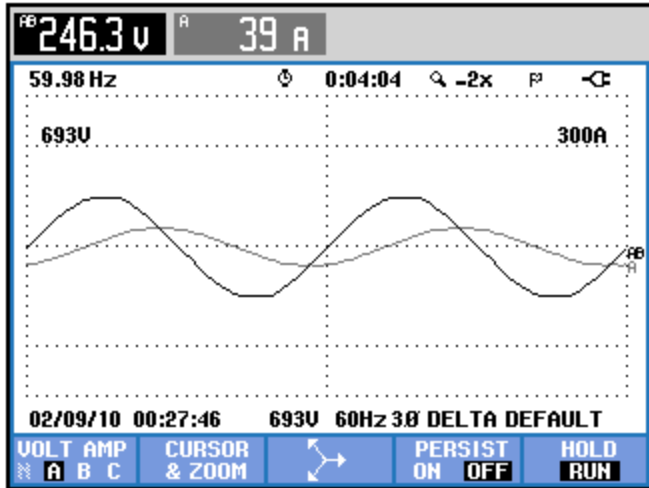


CURRENTS:

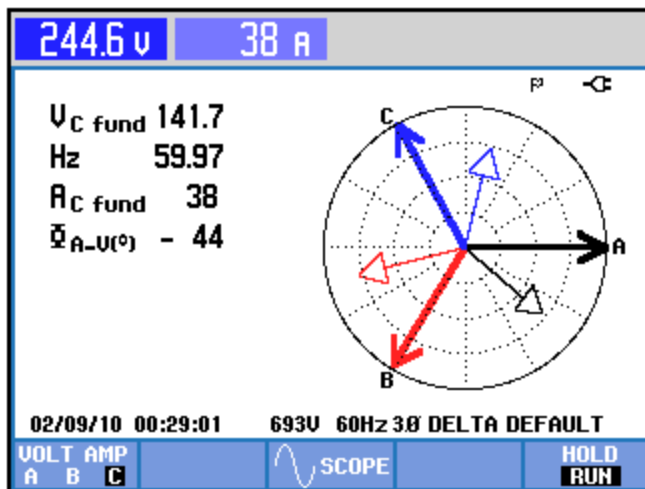


NEUTRAL: NONE

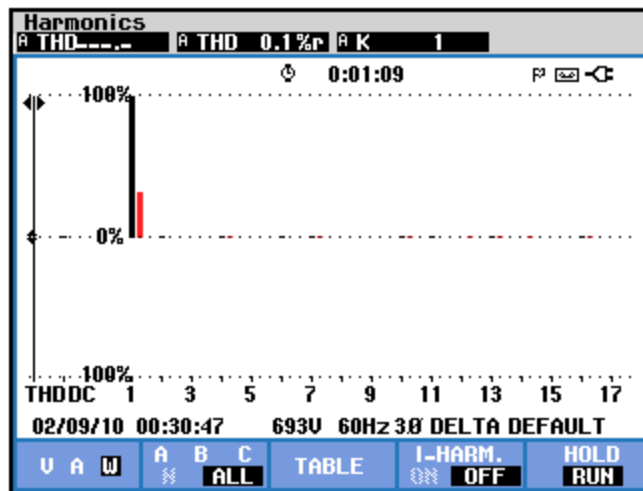
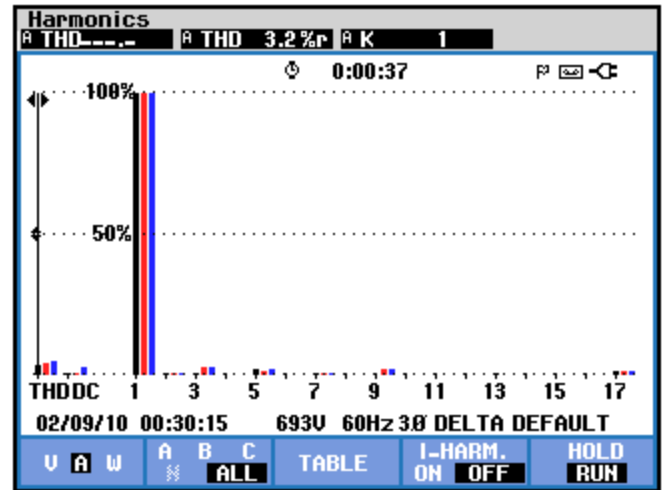
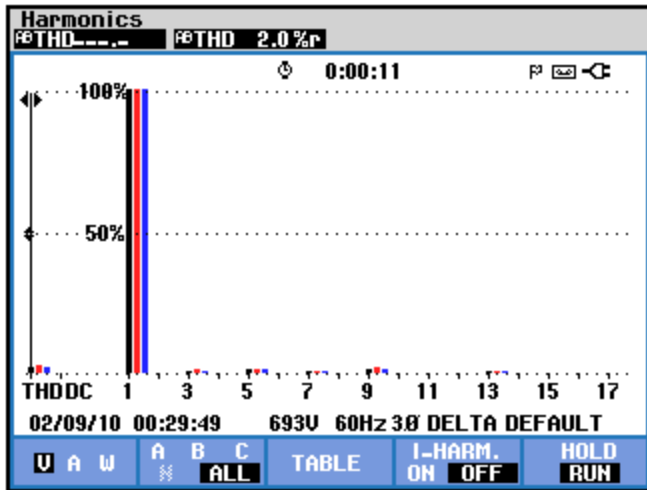
PHASE OVERLAYS:



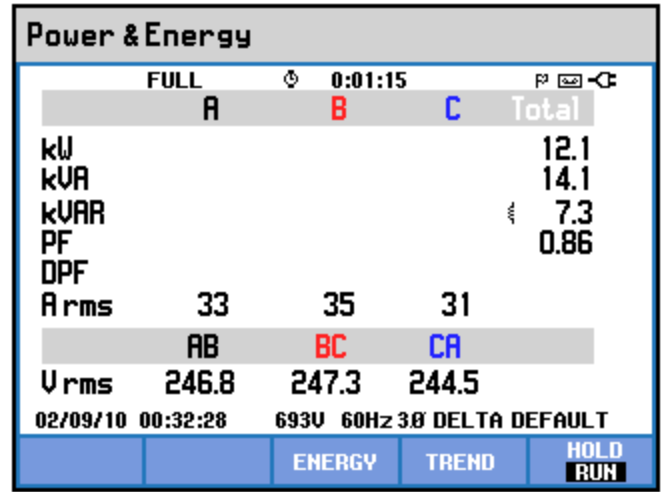
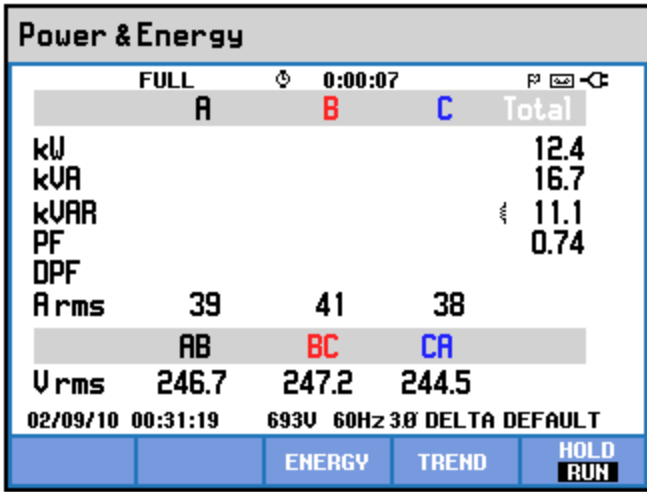
VECTOR:



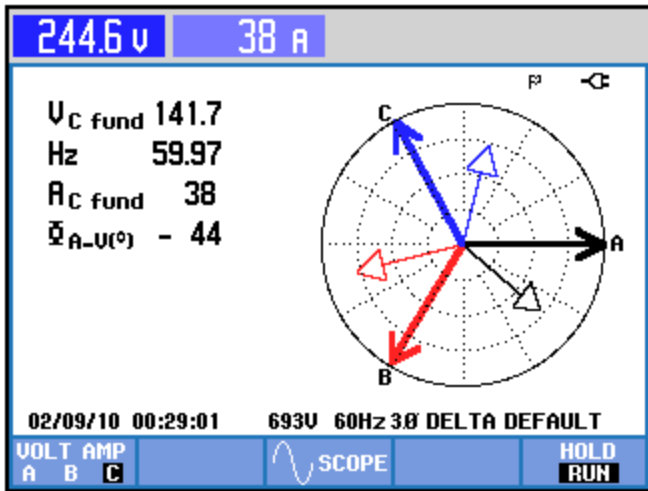
HARMONICS:



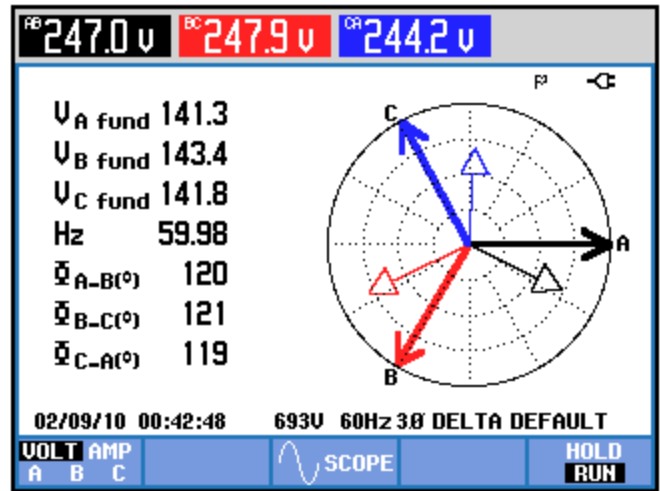
TRENDS:



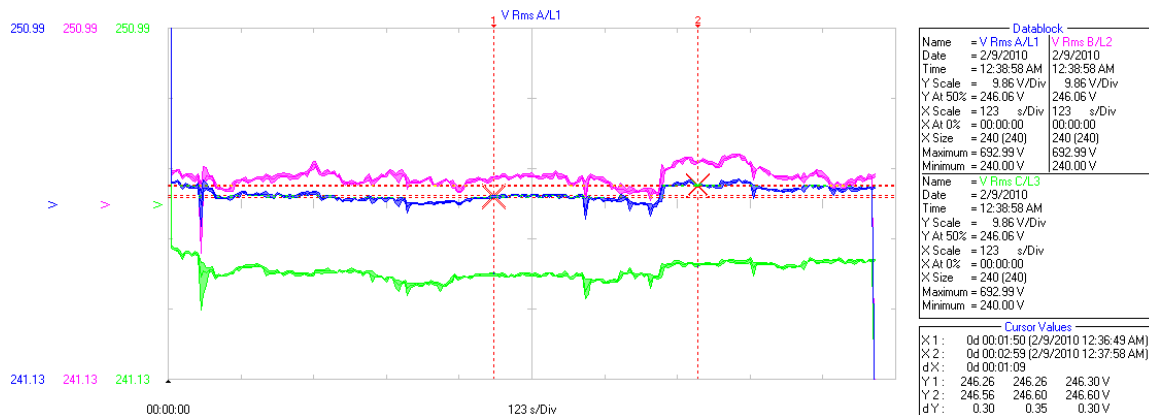
UNCORRECTED



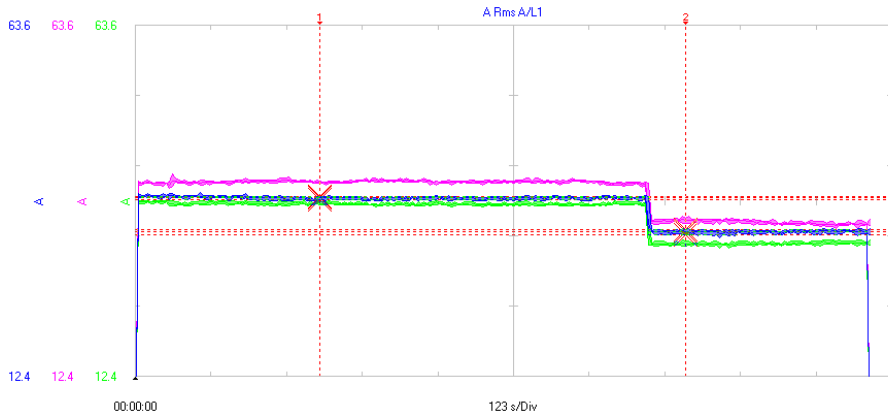
US3 SWITCHES AT AMPS



VOLTAGES:

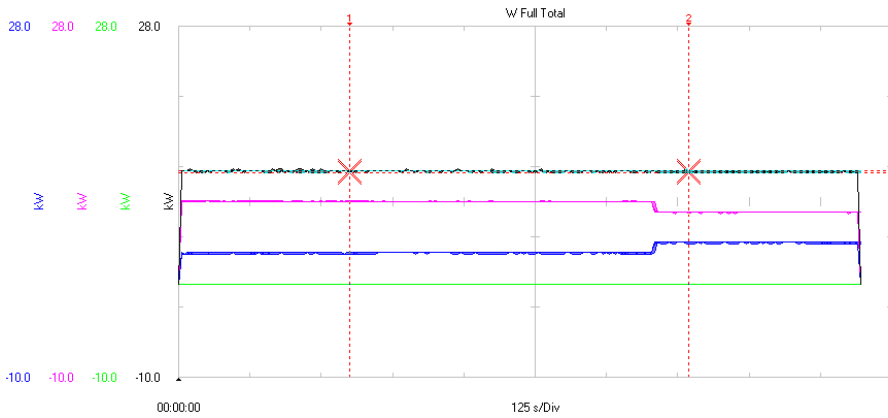


CURRENTS:



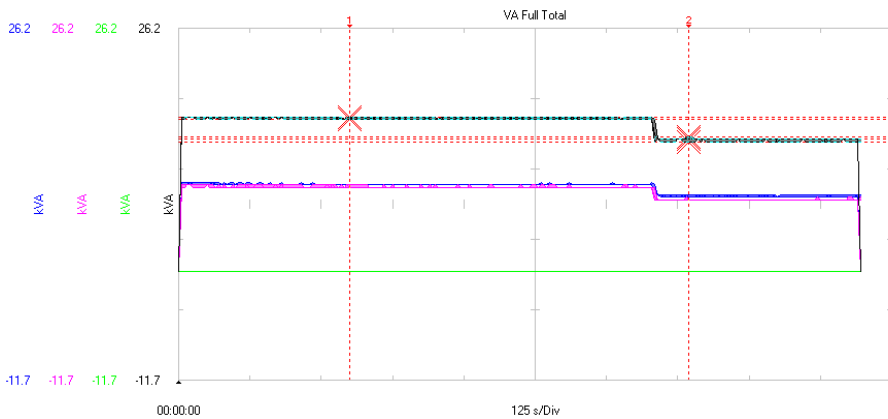
Datablock	
Name = A Rms A/L1	A Rms B/L2
Date = 2/9/2010	2/9/2010
Time = 12:38:58 AM	12:38:58 AM
Y Scale = 51.2 A/Div	51.2 A/Div
Y At 50% = 38.0 A	38.0 A
X Scale = 123 s/Div	123 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 240 (240)	240 (240)
Maximum = 39.3 A	42.0 A
Minimum = 0.0 A	0.0 A
Datablock	
Name = A Rms C/L3	
Date = 2/9/2010	
Time = 12:38:58 AM	
Y Scale = 51.2 A/Div	
Y At 50% = 38.0 A	
X Scale = 123 s/Div	
X At 0% = 00:00:00	
X Size = 240 (240)	
Maximum = 38.1 A	
Minimum = 0.0 A	
Cursor Values	
X1: 0d 00:01:00 (2/9/2010 12:35:59 AM)	
X2: 0d 00:02:59 (2/9/2010 12:37:58 AM)	
dX: 0d 00:01:59	
Y1: 38.3 38.5 38.7 A	
Y2: 33.0 33.4 33.8 A	
dY: -5.3 -5.1 -5.0 A	

WATTS:



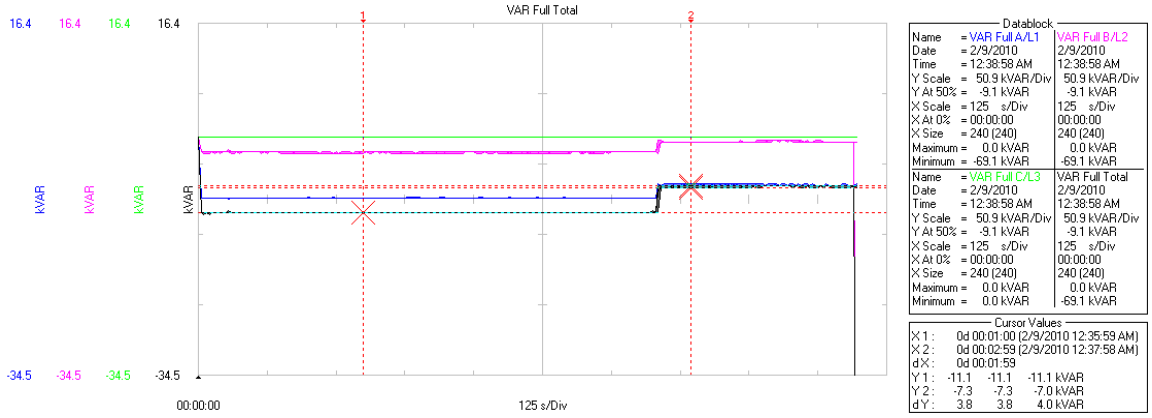
Datablock	
Name = W Full A/L1	W Full B/L2
Date = 2/9/2010	2/9/2010
Time = 12:38:58 AM	12:38:58 AM
Y Scale = 38 kW/Div	38 kW/Div
Y At 50% = 9.0 kW	9.0 kW
X Scale = 125 s/Div	125 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 240 (240)	240 (240)
Maximum = 4.6 kW	9.2 kW
Minimum = 0.0 kW	0.0 kW
Datablock	
Name = W Full C/L3	W Full Total
Date = 2/9/2010	2/9/2010
Time = 12:38:58 AM	12:38:58 AM
Y Scale = 38 kW/Div	38 kW/Div
Y At 50% = 9.0 kW	9.0 kW
X Scale = 125 s/Div	125 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 240 (240)	240 (240)
Maximum = 0.0 kW	12.7 kW
Minimum = 0.0 kW	0.0 kW
Cursor Values	
X1: 0d 00:01:00 (2/9/2010 12:35:59 AM)	
X2: 0d 00:02:59 (2/9/2010 12:37:58 AM)	
dX: 0d 00:01:59	
Y1: 12.1 12.4 12.4 kW	
Y2: 12.1 12.4 12.4 kW	
dY: 0.0 0.0 0.0 kW	

VA WATTS:

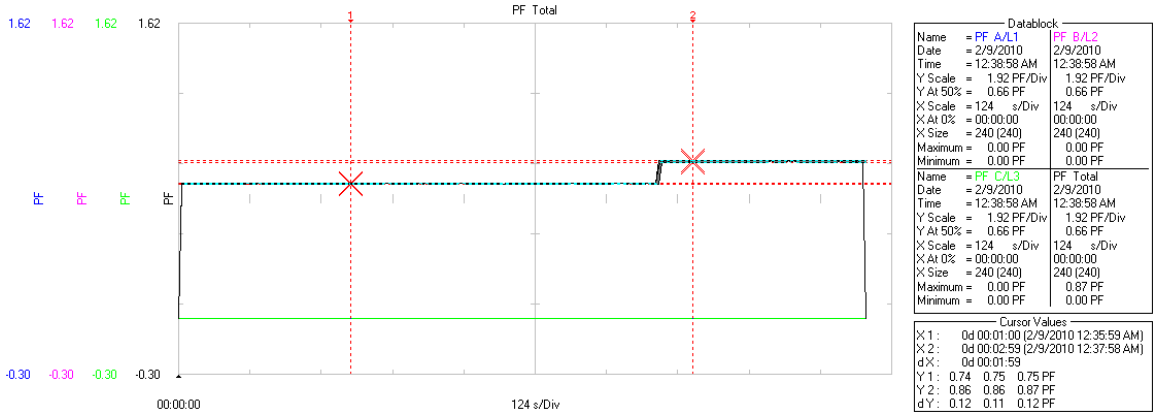


Datablock	
Name = VA Full A/L1	VA Full B/L2
Date = 2/9/2010	2/9/2010
Time = 12:38:58 AM	12:38:58 AM
Y Scale = 37.9 kVA/Div	37.9 kVA/Div
Y At 50% = 7.3 kVA	7.3 kVA
X Scale = 125 s/Div	125 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 240 (240)	240 (240)
Maximum = 9.7 kVA	9.4 kVA
Minimum = 0.0 kVA	0.0 kVA
Datablock	
Name = VA Full C/L3	VA Full Total
Date = 2/9/2010	2/9/2010
Time = 12:38:58 AM	12:38:58 AM
Y Scale = 37.9 kVA/Div	37.9 kVA/Div
Y At 50% = 7.3 kVA	7.3 kVA
X Scale = 125 s/Div	125 s/Div
X At 0% = 00:00:00	00:00:00
X Size = 240 (240)	240 (240)
Maximum = 0.0 kVA	16.7 kVA
Minimum = 0.0 kVA	0.0 kVA
Cursor Values	
X1: 0d 00:01:00 (2/9/2010 12:35:59 AM)	
X2: 0d 00:02:59 (2/9/2010 12:37:58 AM)	
dX: 0d 00:01:59	
Y1: 16.5 16.7 16.7 kVA	
Y2: 14.0 14.3 14.6 kVA	
dY: -2.4 -2.4 -2.2 kVA	

VAR:



POWER FACTOR:



DISPLACEMENT POWER FACTOR:

N/A