

## FACILITY POWER QUALITY - DATA SUMMARY

Arrow Linen

11/01/05 to 11/30/05

### Generator Off

	Line 1			Line 2			Line 3			Totals		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
Voltage (V)	119.0	124.9	127.2	118.0	124.3	125.7	115.5	124.2	126.5	n/a	n/a	n/a
Current (amps)	83.26	153.90	1312.24	66.47	132.10	1187.87	47.88	110.91	1177.68	n/a	n/a	n/a
True Power (kW)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11.3	27.5	317.0
Apparent Power (kVA)	10.4	19.1	157.1	8.3	16.3	140.4	6.0	13.7	140.0	23.7	46.7	435.0
Power Factor (-)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	0.67	0.96
Voltage THD (%)	0.95	2.47	3.48	0.87	2.25	3.27	1.00	2.37	7.12	n/a	n/a	n/a
Current THD (%)	3.21	26.03	44.81	2.67	24.34	43.35	5.59	41.31	81.23	n/a	n/a	n/a
Frequency (hz)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	59.9	60.0	60.1

### Generator On

	Line 1			Line 2			Line 3			Totals		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
Voltage (V)	117.0	120.9	125.9	113.4	120.7	125.3	115.4	120.6	125.2	n/a	n/a	n/a
Current (amps)	99.79	1028.70	1471.50	82.57	962.55	1382.00	71.94	972.38	1381.29	n/a	n/a	n/a
True Power (kW)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.6	50.1	330.1
Apparent Power (kVA)	12.5	124.0	174.7	10.3	115.8	163.0	9.0	116.9	164.7	29.7	355.0	500.5
Power Factor (-)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.01	0.15	0.93
Voltage THD (%)	0.10	1.57	8.55	0.24	1.37	2.67	0.01	1.49	5.41	n/a	n/a	n/a
Current THD (%)	1.70	7.89	35.26	1.72	8.14	29.08	2.08	8.84	51.49	n/a	n/a	n/a
Frequency (hz)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.4	59.9	60.1

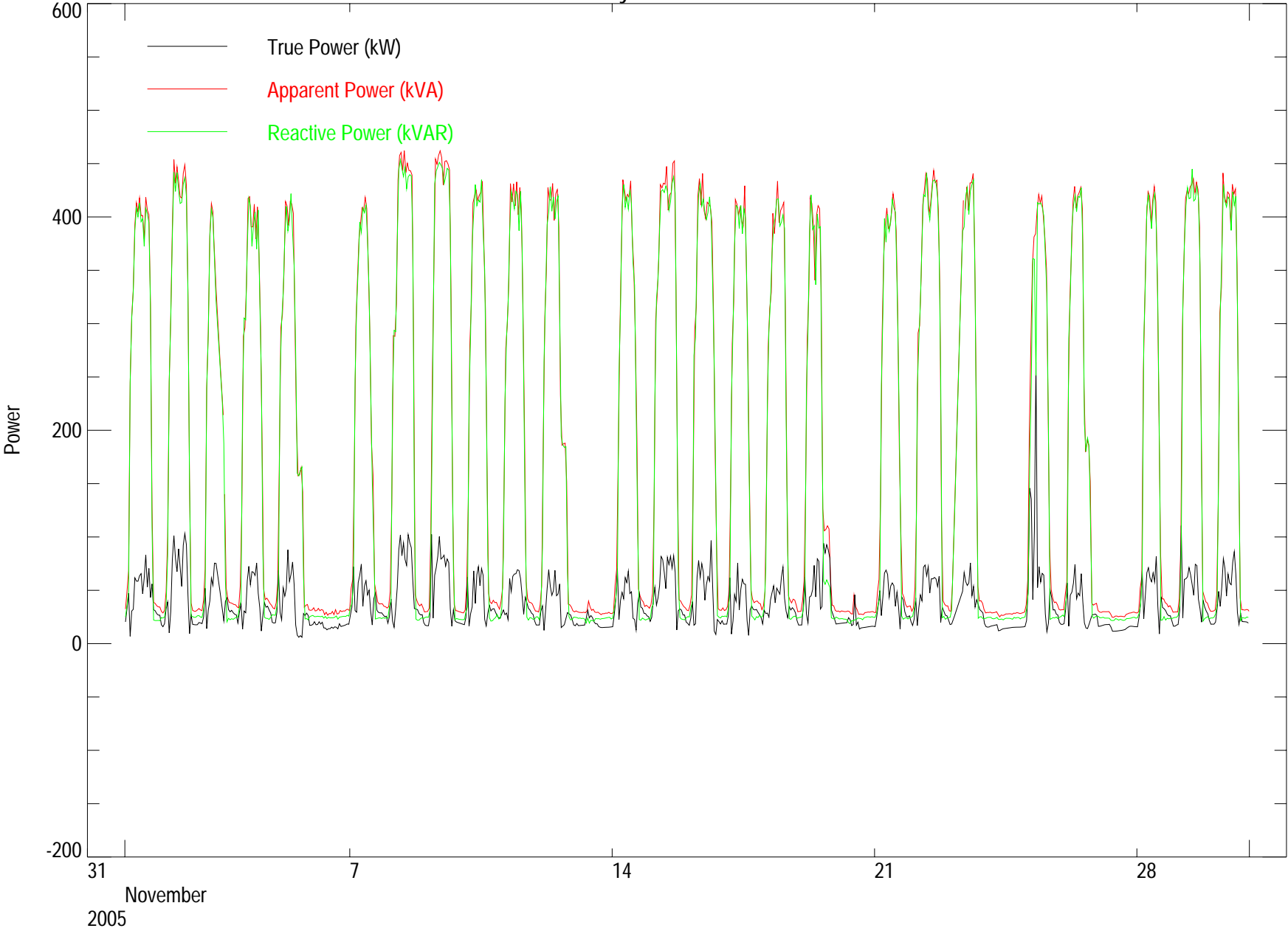
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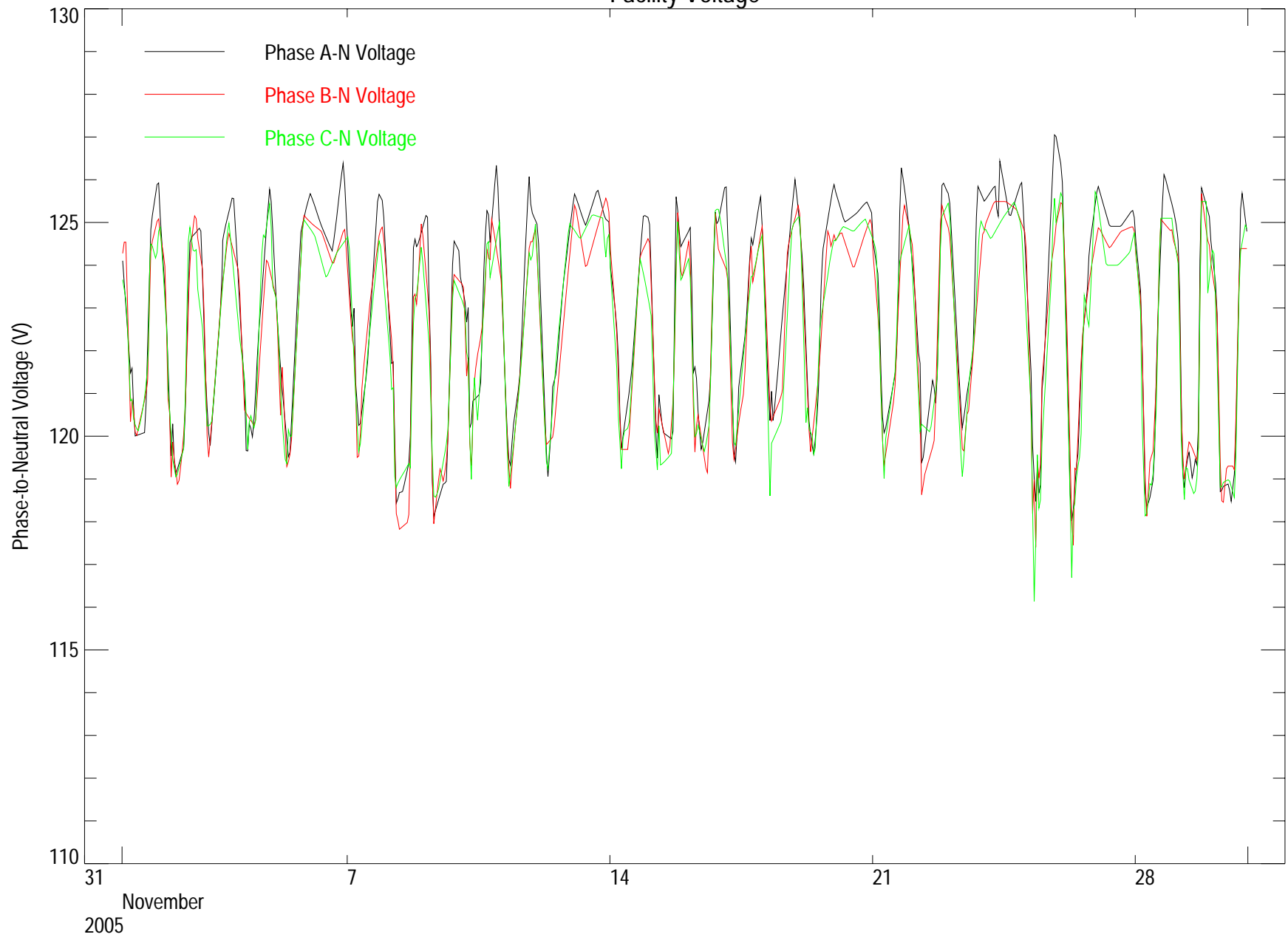
11/01/05 to 11/30/05

Date	Good Data (%)	Facility Apparent Power (kVAh)	Facility Reactive Power (kVARh)	Facility True Power (kWh)	Power Factor (-)
11/01/05	100.00	5728.23	5529.77	1049.20	0.18
11/02/05	100.00	5751.47	5577.42	1103.90	0.19
11/03/05	98.96	4168.33	3985.70	596.40	0.14
11/04/05	100.00	5114.04	4914.96	941.50	0.18
11/05/05	100.00	4993.05	4832.61	795.60	0.16
11/06/05	100.00	725.05	602.31	379.80	0.52
11/07/05	100.00	4674.92	4430.85	916.40	0.20
11/08/05	100.00	6129.31	5904.84	1260.20	0.21
11/09/05	100.00	5947.77	5743.56	1196.50	0.20
11/10/05	100.00	4961.08	4741.19	873.30	0.18
11/11/05	100.00	5351.92	5149.93	958.00	0.18
11/12/05	100.00	5405.69	5272.48	838.60	0.16
11/13/05	100.00	718.96	555.10	432.10	0.60
11/14/05	100.00	5049.21	4819.71	903.20	0.18
11/15/05	100.00	6234.08	6027.11	1072.40	0.17
11/16/05	100.00	5765.58	5627.56	924.50	0.16
11/17/05	100.00	4824.76	4621.44	860.00	0.18
11/18/05	100.00	5184.61	5005.14	923.40	0.18
11/19/05	100.00	4748.55	4351.32	1195.00	0.25
11/20/05	100.00	727.18	556.59	414.80	0.57
11/21/05	100.00	4991.39	4784.17	951.10	0.19
11/22/05	100.00	6439.17	6276.00	1028.70	0.16
11/23/05	98.96	5306.01	5247.39	634.40	0.12
11/24/05	100.00	677.46	570.21	364.40	0.54
11/25/05	100.00	5103.93	4627.14	1438.90	0.28
11/26/05	100.00	5159.70	5012.61	854.60	0.17
11/27/05	100.00	665.18	559.58	367.00	0.55
11/28/05	100.00	4582.10	4344.99	922.60	0.20
11/29/05	100.00	5567.65	5337.94	1059.10	0.19
11/30/05	100.00	5472.88	5301.03	951.90	0.17
Total	99.93	136169.27	130310.65	26207.50	0.19

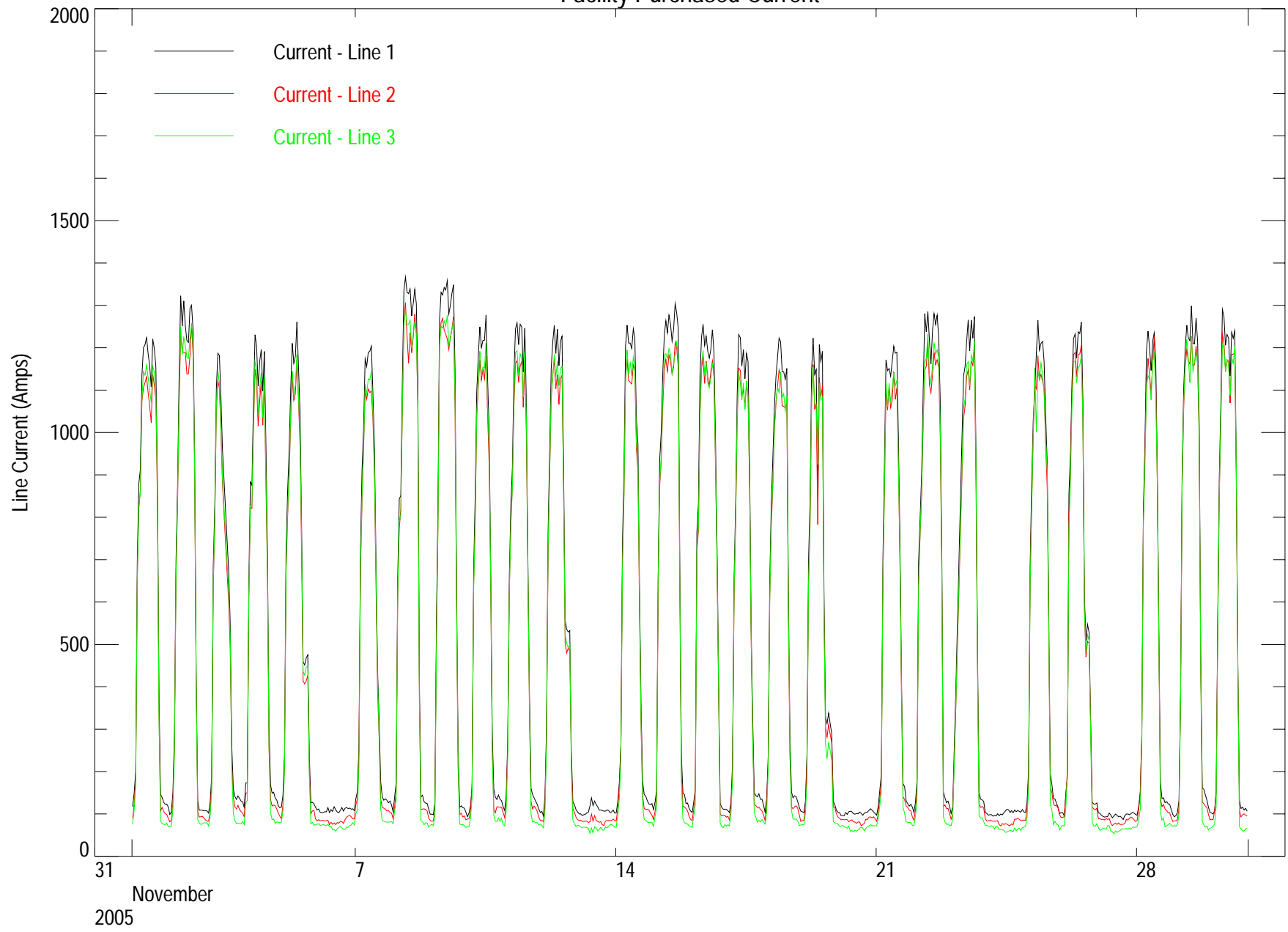
# Facility Purchased Power



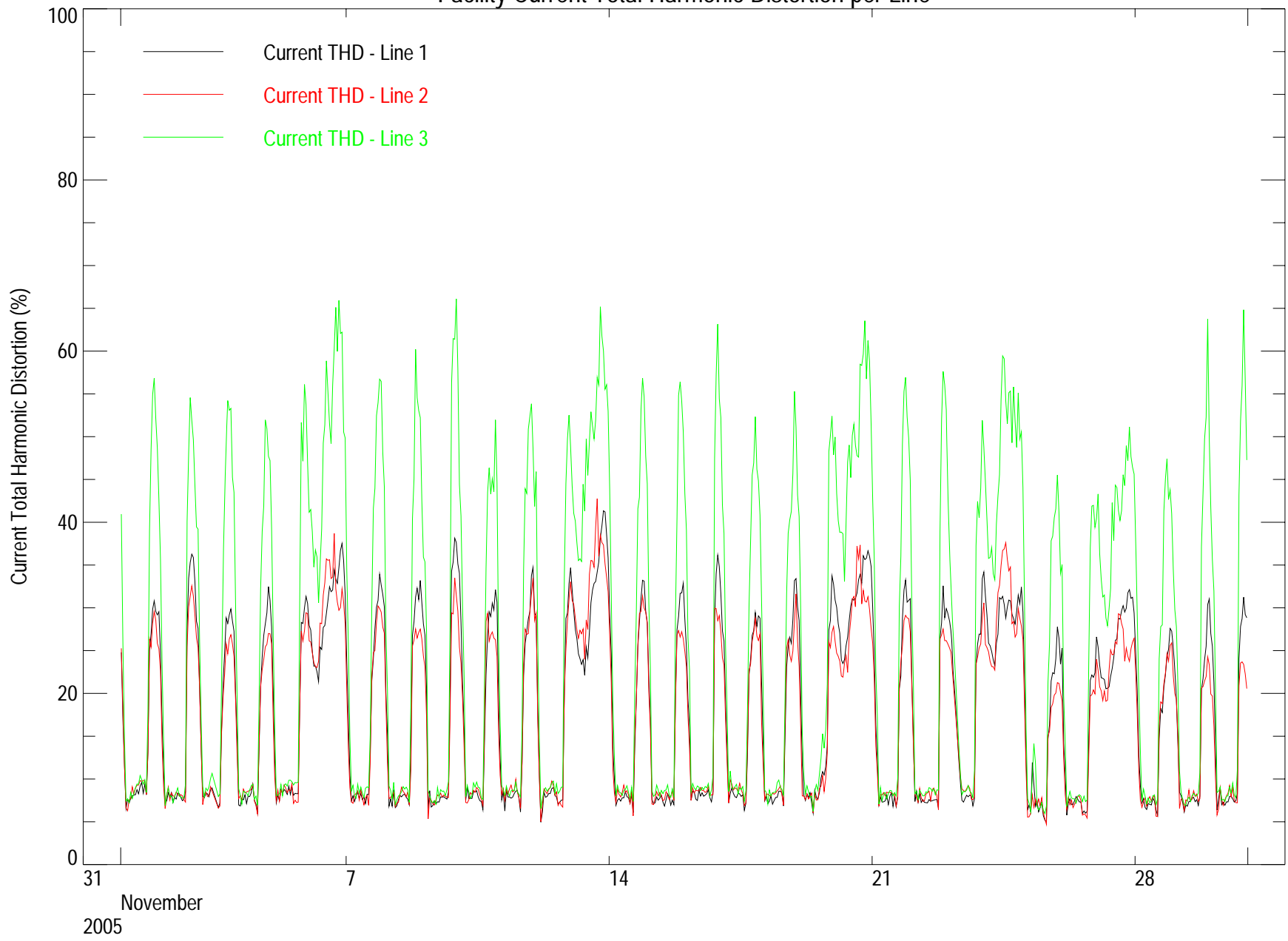
# Facility Voltage



# Facility Purchased Current



Facility Current Total Harmonic Distortion per Line



Facility Voltage Total Harmonic Distortion per Line

