

Date Time	Frequency (Hz)	Voltage (V)			Current (A)				Power factor			Apparent Power (kVA)	Power (kW)			
		L1-L2	L2-L3	L3-L1	L1	L2	L3	N	L1	L2	L3		L1	L2	L3	sum
6/3/2013 9:00	50.04	382.40	384.20	383.40	157.40	152.40	158.80		0.837	0.853	0.841	103.75	29.12	28.84	29.58	87.55
6/3/2013 9:01	50.04	382.50	384.30	383.50	157.30	152.60	158.90		0.837	0.853	0.840	103.84	29.11	28.89	29.61	87.61
6/3/2013 9:02	50.02	382.10	384.00	383.20	157.10	152.60	158.90		0.837	0.854	0.840	103.69	29.06	28.87	29.57	87.50
6/3/2013 9:03	50.00	381.80	383.60	382.70	157.40	153.00	158.80		0.838	0.854	0.841	103.71	29.13	28.93	29.54	87.60
6/3/2013 9:04	50.00	381.80	383.70	382.60	157.70	153.30	158.80		0.839	0.853	0.841	103.84	29.21	28.99	29.52	87.73
6/3/2013 9:05	49.99	381.70	383.60	382.50	157.80	153.40	158.80		0.840	0.853	0.841	103.87	29.25	29.01	29.53	87.78
6/3/2013 9:06	49.98	381.40	383.20	382.10	158.20	153.90	159.20		0.841	0.854	0.842	104.04	29.32	29.09	29.60	88.01
6/3/2013 9:07	50.00	384.90	386.90	385.70	157.50	153.50	158.70		0.834	0.848	0.835	104.67	29.24	29.08	29.54	87.86
6/3/2013 9:08	50.00	385.10	386.90	385.60	158.20	154.10	158.90		0.836	0.848	0.835	105.02	29.41	29.20	29.60	88.21
6/3/2013 9:09	50.02	385.00	386.80	385.50	158.70	154.40	159.40		0.836	0.849	0.836	105.27	29.52	29.27	29.71	88.51
6/3/2013 9:10	50.01	384.60	386.40	385.20	157.90	153.60	158.70		0.835	0.848	0.836	104.67	29.32	29.08	29.54	87.94
6/3/2013 9:11	50.02	384.40	386.40	385.20	157.60	153.40	158.80		0.835	0.849	0.836	104.56	29.24	29.07	29.57	87.88
6/3/2013 9:12	50.01	384.50	386.50	385.20	157.90	154.10	159.20		0.836	0.850	0.836	104.85	29.33	29.21	29.63	88.17
6/3/2013 9:13	50.02	384.20	386.20	384.90	157.50	153.90	158.90		0.837	0.850	0.836	104.62	29.26	29.18	29.57	88.01
6/3/2013 9:14	50.00	384.10	386.10	384.70	157.80	154.00	159.10		0.837	0.850	0.836	104.70	29.31	29.19	29.60	88.10
6/3/2013 9:15	50.00	384.20	386.10	384.80	158.00	153.90	158.90		0.837	0.850	0.836	104.70	29.34	29.16	29.58	88.08
6/3/2013 9:16	50.01	384.30	386.20	384.90	158.20	154.20	159.10		0.837	0.850	0.836	104.88	29.40	29.22	29.63	88.25
6/3/2013 9:17	50.01	384.50	386.30	385.10	158.30	153.90	160.10		0.836	0.849	0.839	105.14	29.42	29.17	29.93	88.52
6/3/2013 9:18	50.00	384.10	385.90	384.60	157.90	153.70	160.20		0.837	0.849	0.840	104.86	29.33	29.09	29.94	88.36
6/3/2013 9:19	49.98	383.30	385.20	383.80	159.90	155.80	162.20		0.840	0.852	0.843	106.02	29.74	29.53	30.35	89.62
6/3/2013 9:20	49.98	382.70	384.60	383.20	158.50	154.80	160.80		0.841	0.852	0.842	105.04	29.47	29.30	30.02	88.79
6/3/2013 9:21	49.98	383.10	385.00	383.50	159.00	155.10	161.20		0.840	0.851	0.842	105.37	29.56	29.37	30.10	89.03
6/3/2013 9:22	49.96	385.90	387.70	386.40	158.40	154.20	160.60		0.834	0.846	0.837	105.68	29.45	29.20	30.03	88.67
6/3/2013 9:23	49.99	386.30	388.10	386.90	158.00	153.80	160.60		0.832	0.846	0.836	105.61	29.35	29.16	30.04	88.55
6/3/2013 9:24	49.97	386.10	388.00	386.80	157.90	153.80	160.70		0.832	0.846	0.836	105.58	29.32	29.16	30.06	88.54
6/3/2013 9:25	49.96	385.80	387.70	386.40	157.60	153.60	160.30		0.833	0.846	0.836	105.31	29.26	29.11	29.96	88.33
6/3/2013 9:26	49.95	385.30	387.30	386.00	157.80	153.80	160.50		0.834	0.847	0.837	105.30	29.29	29.13	30.00	88.43
6/3/2013 9:27	49.96	384.90	386.80	385.70	157.90	153.80	160.90		0.834	0.849	0.838	105.31	29.31	29.15	30.09	88.55
6/3/2013 9:28	49.95	384.80	386.70	385.60	158.40	154.10	161.40		0.834	0.849	0.839	105.57	29.40	29.22	30.20	88.82
6/3/2013 9:29	49.97	384.40	386.40	385.20	158.50	154.50	161.60		0.836	0.851	0.840	105.65	29.45	29.33	30.24	89.01
6/3/2013 9:30	49.97	384.40	386.30	385.00	159.10	155.10	161.80		0.837	0.851	0.840	105.92	29.60	29.43	30.29	89.31
6/3/2013 9:31	49.98	384.60	386.40	385.20	158.60	154.50	161.20		0.836	0.850	0.840	105.58	29.49	29.29	30.16	88.95
6/3/2013 9:32	49.97	384.60	386.40	385.30	158.60	154.30	161.20		0.836	0.849	0.840	105.54	29.47	29.25	30.17	88.89
6/3/2013 9:33	49.97	384.60	386.50	385.40	160.50	156.10	163.50		0.837	0.852	0.842	106.93	29.87	29.68	30.68	90.23
6/3/2013 9:34	49.97	384.50	386.50	385.20	158.40	154.50	161.40		0.836	0.850	0.839	105.59	29.43	29.30	30.20	88.93
6/3/2013 9:35	49.95	384.40	386.30	385.20	158.60	154.40	161.50		0.836	0.850	0.840	105.62	29.46	29.29	30.23	88.97
6/3/2013 9:36	49.97	384.50	386.40	385.30	158.80	154.40	161.60		0.836	0.850	0.840	105.69	29.49	29.28	30.27	89.04
6/3/2013 9:37	49.96	384.50	386.40	385.30	158.60	154.30	161.40		0.836	0.850	0.840	105.57	29.45	29.26	30.19	88.90
6/3/2013 9:38	49.96	384.30	386.20	384.90	158.70	154.70	161.30		0.837	0.850	0.840	105.59	29.50	29.33	30.16	88.99
6/3/2013 9:39	49.95	384.10	386.00	384.70	159.20	155.00	161.80		0.837	0.851	0.841	105.85	29.60	29.40	30.29	89.29
6/3/2013 9:40	49.96	383.80	385.50	384.40	159.60	155.10	161.90		0.838	0.851	0.842	105.86	29.68	29.39	30.32	89.39
6/3/2013 9:41	50.01	384.00	385.80	384.70	159.60	154.90	161.90		0.838	0.851	0.843	105.89	29.70	29.38	30.36	89.43
6/3/2013 9:42	50.02	384.00	385.80	384.70	160.30	155.80	163.00		0.839	0.853	0.843	106.50	29.86	29.60	30.58	90.04
6/3/2013 9:43	50.01	383.80	385.80	384.50	160.00	155.90	162.80		0.839	0.853	0.843	106.36	29.80	29.62	30.51	89.94
6/3/2013 9:44	49.99	383.50	385.50	384.20	160.50	156.20	163.30		0.840	0.854	0.844	106.57	29.88	29.69	30.61	90.18
6/3/2013 9:45	49.97	383.00	384.90	383.70	159.90	155.60	162.50		0.840	0.854	0.844	105.99	29.73	29.52	30.43	89.69
6/3/2013 9:46	49.97	383.10	385.00	383.80	160.70	156.50	163.20		0.841	0.854	0.844	106.54	29.93	29.71	30.58	90.22
6/3/2013 9:47	50.04	383.60	385.50	384.20	160.40	156.20	162.80		0.841	0.854	0.844	106.44	29.90	29.68	30.54	90.12
6/3/2013 9:48	50.00	383.30	385.20	383.90	160.20	156.20	162.80		0.841	0.854	0.844	106.30	29.85	29.65	30.50	90.01
6/3/2013 9:49	49.99	383.00	384.90	383.60	160.10	155.90	162.50		0.841	0.854	0.844	106.09	29.80	29.58	30.44	89.83
6/3/2013 9:50	49.98	382.70	384.60	383.40	160.10	155.90	162.60		0.842	0.854	0.845	106.05	29.80	29.58	30.46	89.85
6/3/2013 9:51	49.98	382.60	384.50	383.30	160.30	156.00	162.90		0.841	0.855	0.845	106.13	29.82	29.61	30.53	89.96
6/3/2013 9:52	50.00	382.90	384.90	383.90	160.30	155.80	163.40		0.840	0.856	0.845	106.33	29.81	29.62	30.66	90.09
6/3/2013 9:53	49.99	382.70	384.70	383.60	162.00	157.40	164.90		0.842	0.857	0.847	107.32	30.17	29.94	30.98	91.09
6/3/2013 9:54	50.01	382.90	384.90	383.60	160.50	156.30	163.20		0.842	0.855	0.845	106.42	29.90	29.70	30.60	90.20

Date Time	Frequency (Hz)	Voltage (V)			Current (A)				Power factor			Apparent Power (kVA)	Power (kW)			
		L1-L2	L2-L3	L3-L1	L1	L2	L3	N	L1	L2	L3		L1	L2	L3	sum
6/3/2013 9:55	50.02	383.10	385.10	383.80	160.50	156.40	163.20		0.842	0.855	0.845	106.49	29.91	29.73	30.60	90.24
6/3/2013 9:56	50.03	383.00	384.90	383.90	160.10	155.60	163.10		0.840	0.855	0.845	106.17	29.78	29.56	30.60	89.94
6/3/2013 9:57	50.01	383.00	384.90	383.80	160.30	155.80	163.10		0.840	0.855	0.845	106.24	29.83	29.59	30.60	90.02
6/3/2013 9:58	50.01	383.40	385.30	384.10	159.30	155.20	162.10		0.840	0.853	0.843	105.78	29.64	29.46	30.35	89.46
6/3/2013 9:59	50.02	383.40	385.50	384.00	159.30	155.70	162.10		0.841	0.853	0.842	105.90	29.68	29.58	30.34	89.59
6/3/2013 10:00	50.04	383.40	385.40	384.10	161.60	157.60	164.40		0.842	0.856	0.845	107.34	30.15	30.01	30.87	91.03
6/3/2013 10:01	50.02	383.20	385.20	384.00	159.80	155.90	162.80		0.841	0.855	0.843	106.15	29.75	29.63	30.50	89.87
6/3/2013 10:02	50.03	383.40	385.50	384.20	160.50	156.60	163.60		0.841	0.855	0.844	106.73	29.91	29.80	30.68	90.40
6/3/2013 10:03	50.02	383.30	385.40	384.00	160.10	156.30	163.00		0.841	0.855	0.843	106.38	29.82	29.71	30.54	90.08
6/3/2013 10:04	50.02	383.00	385.10	383.80	160.90	157.00	163.70		0.842	0.856	0.845	106.81	30.00	29.86	30.72	90.58
6/3/2013 10:05	50.01	382.70	384.80	383.50	161.50	157.30	164.30		0.843	0.856	0.846	107.05	30.10	29.93	30.84	90.87
6/3/2013 10:06	50.02	382.60	384.70	383.50	160.70	156.60	164.00		0.842	0.857	0.846	106.65	29.92	29.80	30.78	90.50
6/3/2013 10:07	50.01	382.20	384.20	383.20	161.60	157.10	164.80		0.843	0.858	0.847	107.02	30.09	29.91	30.95	90.94
6/3/2013 10:08	50.02	382.10	384.10	383.10	161.40	156.90	164.70		0.843	0.858	0.848	106.88	30.05	29.86	30.93	90.84
6/3/2013 10:09	50.00	381.60	383.60	382.70	161.80	157.10	165.00		0.843	0.859	0.849	106.95	30.10	29.89	30.99	90.98
6/3/2013 10:10	50.01	382.10	384.20	383.10	161.80	157.30	165.10		0.842	0.858	0.847	107.15	30.11	29.94	31.00	91.05
6/3/2013 10:11	50.01	382.30	384.40	383.20	161.30	157.20	164.40		0.843	0.857	0.846	106.90	30.04	29.90	30.85	90.79
6/3/2013 10:12	50.00	382.00	384.10	382.90	160.50	156.60	163.70		0.843	0.857	0.846	106.37	29.88	29.77	30.67	90.33
6/3/2013 10:13	49.97	382.70	384.80	383.60	159.80	156.00	163.10		0.841	0.855	0.844	106.12	29.71	29.63	30.53	89.87
6/3/2013 10:14	49.97	384.10	386.20	385.10	160.30	156.40	164.00		0.838	0.854	0.842	106.93	29.83	29.78	30.75	90.36
6/3/2013 10:15	49.97	384.50	386.70	385.40	159.70	156.00	163.30		0.837	0.853	0.840	106.65	29.71	29.68	30.60	89.99
6/3/2013 10:16	49.96	384.00	386.20	384.90	160.50	156.90	163.90		0.839	0.854	0.842	107.07	29.91	29.88	30.73	90.52
6/3/2013 10:17	49.96	384.00	386.10	384.80	160.60	156.80	163.80		0.839	0.854	0.842	106.99	29.91	29.84	30.71	90.46
6/3/2013 10:18	49.98	384.00	386.00	385.10	162.20	157.60	165.60		0.839	0.855	0.844	107.98	30.22	30.05	31.15	91.42
6/3/2013 10:19	49.98	383.70	385.70	384.60	160.70	156.30	163.90		0.839	0.854	0.844	106.84	29.90	29.72	30.75	90.37
6/3/2013 10:20	50.00	384.20	386.10	385.10	161.30	156.80	164.30		0.839	0.854	0.844	107.31	30.05	29.86	30.87	90.78
6/3/2013 10:21	49.97	384.00	385.90	384.70	161.50	157.20	164.20		0.840	0.854	0.844	107.33	30.10	29.91	30.82	90.83
6/3/2013 10:22	49.96	383.80	385.80	384.70	160.40	156.00	163.60		0.838	0.854	0.843	106.69	29.84	29.67	30.68	90.19
6/3/2013 10:23	50.00	384.00	386.00	384.90	160.00	155.90	163.30		0.838	0.854	0.843	106.53	29.78	29.64	30.62	90.05
6/3/2013 10:24	49.99	383.60	385.60	384.60	160.90	156.60	164.30		0.839	0.855	0.844	107.02	29.95	29.82	30.84	90.61
6/3/2013 10:25	49.97	383.30	385.30	384.10	161.20	157.10	164.40		0.841	0.856	0.844	107.14	30.03	29.90	30.85	90.79
6/3/2013 10:26	49.98	383.10	385.20	383.90	160.70	156.90	163.90		0.841	0.856	0.844	106.82	29.94	29.84	30.73	90.50
6/3/2013 10:27	50.01	383.30	385.40	384.10	160.20	156.30	163.20		0.841	0.855	0.844	106.49	29.85	29.72	30.60	90.17
6/3/2013 10:28	50.01	383.40	385.40	384.20	162.70	158.30	165.60		0.842	0.856	0.846	108.03	30.37	30.16	31.14	91.68
6/3/2013 10:29	49.99	383.00	384.90	384.00	160.60	156.10	163.60		0.840	0.855	0.845	106.51	29.87	29.66	30.69	90.22
6/3/2013 10:30	49.99	382.90	384.90	383.90	160.40	156.00	163.80		0.840	0.856	0.845	106.48	29.81	29.67	30.71	90.20
6/3/2013 10:31	49.96	382.70	384.70	383.70	159.50	155.30	162.80		0.839	0.855	0.844	105.85	29.63	29.49	30.47	89.58
6/3/2013 10:32	49.99	382.70	384.70	383.60	159.90	155.90	163.20		0.841	0.856	0.844	106.12	29.72	29.62	30.56	89.91
6/3/2013 10:33	49.98	382.80	384.80	383.80	160.20	156.00	163.50		0.840	0.856	0.844	106.33	29.78	29.65	30.64	90.08
6/3/2013 10:34	49.97	382.40	384.50	383.30	160.20	156.30	163.50		0.841	0.856	0.845	106.30	29.80	29.70	30.61	90.12
6/3/2013 10:35	49.98	382.50	384.70	383.40	159.70	156.00	163.00		0.841	0.856	0.844	106.04	29.71	29.64	30.50	89.84
6/3/2013 10:36	49.96	382.40	384.50	383.20	160.00	156.10	163.10		0.841	0.856	0.844	106.12	29.75	29.65	30.53	89.93
6/3/2013 10:37	49.98	382.70	384.80	383.50	160.00	156.20	163.20		0.841	0.855	0.844	106.24	29.78	29.68	30.56	90.02
6/3/2013 10:38	49.97	382.50	384.40	383.30	160.30	156.10	163.20		0.841	0.856	0.845	106.22	29.82	29.64	30.58	90.04
6/3/2013 10:39	49.98	382.20	384.30	383.30	160.00	155.70	163.40		0.841	0.857	0.845	106.06	29.72	29.59	30.62	89.93
6/3/2013 10:40	49.97	382.20	384.40	383.30	159.90	155.90	163.70		0.840	0.857	0.845	106.15	29.71	29.64	30.67	90.01
6/3/2013 10:41	49.97	382.20	384.40	383.30	160.00	156.00	163.70		0.841	0.857	0.845	106.21	29.73	29.66	30.67	90.06
6/3/2013 10:42	49.96	381.90	384.20	383.00	160.30	156.60	164.10		0.842	0.858	0.845	106.40	29.79	29.78	30.73	90.30
6/3/2013 10:43	49.95	381.90	384.10	382.90	160.10	156.40	163.70		0.842	0.857	0.845	106.23	29.77	29.73	30.64	90.14
6/3/2013 10:44	49.98	382.00	384.10	383.00	161.50	157.20	165.00		0.842	0.858	0.847	107.02	30.05	29.92	30.97	90.93
6/3/2013 10:45	49.98	381.80	383.90	382.80	158.40	154.30	161.80		0.840	0.856	0.844	104.93	29.37	29.26	30.24	88.87
6/3/2013 10:46	49.98	382.00	384.00	382.90	159.50	155.40	162.60		0.841	0.856	0.845	105.62	29.62	29.49	30.43	89.54
6/3/2013 10:47	49.98	382.40	384.50	383.30	159.00	155.30	162.40		0.840	0.855	0.843	105.58	29.55	29.48	30.37	89.41
6/3/2013 10:48	49.98	382.20	384.20	383.00	158.60	154.90	161.70		0.841	0.855	0.843	105.17	29.47	29.38	30.22	89.07
6/3/2013 10:49	49.97	381.80	383.90	382.80	159.80	155.80	163.30		0.842	0.857	0.846	105.90	29.69	29.59	30.57	89.86
6/3/2013 10:50	49.97	381.90	384.00	383.00	160.10	156.20	163.90		0.841	0.858	0.845	106.21	29.75	29.69	30.69	90.13
6/3/2013 10:51	49.98	382.20	384.30	383.20	161.10	156.90	164.60		0.842	0.858	0.846	106.82	29.96	29.85	30.88	90.69

Date Time	Frequency (Hz)	Voltage (V)			Current (A)				Power factor			Apparent Power (kVA)	Power (kW)			
		L1-L2	L2-L3	L3-L1	L1	L2	L3	N	L1	L2	L3		L1	L2	L3	sum
6/3/2013 10:52	49.98	382.30	384.40	383.30	159.90	156.00	163.50		0.841	0.857	0.845	106.15	29.72	29.66	30.62	90.00
6/3/2013 10:53	50.04	383.60	385.70	384.60	159.10	155.10	162.70		0.838	0.855	0.843	105.94	29.57	29.51	30.50	89.58
6/3/2013 10:54	50.02	383.50	385.70	384.50	160.30	156.40	163.70		0.840	0.856	0.843	106.72	29.85	29.79	30.72	90.36
6/3/2013 10:55	50.02	383.90	386.00	384.70	159.70	156.00	162.90		0.840	0.854	0.842	106.39	29.75	29.68	30.53	89.97
6/3/2013 10:56	50.03	383.40	385.50	384.20	160.00	156.20	163.20		0.841	0.855	0.843	106.42	29.80	29.72	30.59	90.11
6/3/2013 10:57	50.01	383.30	385.40	384.10	158.70	155.00	161.90		0.839	0.854	0.842	105.55	29.52	29.43	30.29	89.25
6/3/2013 10:58	50.02	383.40	385.50	384.30	159.40	155.50	162.70		0.840	0.855	0.843	106.07	29.67	29.58	30.50	89.75
6/3/2013 10:59	50.00	382.80	384.90	383.60	160.60	156.70	163.70		0.842	0.856	0.845	106.60	29.91	29.79	30.68	90.39
6/3/2013 11:00	50.00	382.70	384.80	383.50	160.20	156.40	163.40		0.842	0.856	0.845	106.38	29.83	29.74	30.63	90.20
max	50.04	386.30	388.10	386.90	162.70	158.30	165.60		0.843	0.859	0.849	108.03	30.37	30.16	31.15	91.68
min	49.95	381.40	383.20	382.10	157.10	152.40	158.70		0.832	0.846	0.835	103.69	29.06	28.84	29.52	87.50
average	49.99	383.35	385.34	384.16	159.64	155.52	162.39		0.839	0.854	0.842	106.00	29.69	29.53	30.40	89.62