10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time	Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20 0:00	0	1.8	4	5.8	0	0	0.41	0	0	0	178	0.00
		0:10	0	1.5	4.5	6.3	0	0	0.31	0	0	0	174	0.00
		0:20	0	3.6	6	7.4	0	0	0.34	0	0	0	161	0.00
		0:30	0	3.8	6.5	8.1	0	0	0.31	0	0	0	161	0.00
		0:40	0	3.6	5.5	6.9	0	0	0.22	0	0	0	161	0.00
		0:50	0	3.3	5.5	7	0	0	0.31	0	0	0	161	0.00
		1:00	0	3.4	5	6.5	0	0.01	0.34	0	0	0	161	0.00
		1:10	0	2.7	4.7	5.8	0	0.01	0.39	0	0	0	161	0.00
		1:20	0	3.3	4.6	5.5	0	0	0.42	0	0	0	156	0.00
		1:30	0	2.4	4.4	5.9	0	0.01	0.43	0	0	0	152	0.00
		1:40	0	2.9	4.8	6.1	0	0.01	0.25	0	0	0	152	0.00
		1:50	0	3.2	4.9	5.8	0	0	0.29	0	0	0	149	0.00
		2:00	0	2.7	4.9	5.9	0	0	0.31	0	0	0	144	0.00
		2:10	0	3.4	5.5	6.7	0	0.01	0.43	0	0	0	146	0.00
		2:20	0	3.2	5.4	6.3	0	0	0.31	0	0	0	146	0.00
		2:30	0	3.6	5.5	7.2	0	0	0.11	0	0	0	146	0.00
		2:40	0	2.8	4.8	6.6	0	0	0.31	0	0	0	147	0.00
		2:50	0	1.2	3	4.8	0	0	0.23	0	0	0	156	0.00
		3:00	0	1.5	3.7	7.4	0	0	0.31	0	0	0	173	0.00
		3:10	0	0.8	3.2	6.9	0	0	0.28	0	0	0	181	0.00
		3:20	0	0	0.8	2.5	0	0	0.17	0	0	0	181	0.00
		3:30	0	0.9	2.2	3.6	0	0	0.31	0	0	0	162	0.00
		3:40	0	0.4	2.4	3.6	0	0	0.42	0	0	0	167	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	3:50	0	0.8	3.9	6	0	0	0.13	0	0	0	163	0.00
			4:00	0	1	4.1	5.3	0	0	0.12	0	0	0	163	0.00
			4:10	0	0.8	3.2	5.7	0	0	0.31	0	0	0	158	0.00
			4:20	0	1.5	4.7	5.7	0	0	0.18	0	0	0	130	0.00
			4:30	0	3.2	4.9	6.3	0	0	0.31	0	0	0	123	0.00
			4:40	0	3.6	5.4	6.4	0	0	0.31	0	0	0	127	0.00
			4:50	0	3.6	5.5	6.4	0	0.01	0.36	0	0	0	129	0.00
			5:00	0	3.5	5.3	7.7	0	0	0.31	0	0	0	129	0.00
			5:10	0	3.9	6.3	8.5	0	0	0.17	0	0	0	133	0.00
			5:20	0	2.8	5.6	8	0	0	0.31	0	0	0	153	0.00
			5:30	0	3.5	6.3	8.4	0	0.01	0.31	0	0	0	163	0.00
			5:40	0	4	6.8	8.5	0	0	0.29	0	0	0	164	0.00
			5:50	0	4.3	6.5	8.2	0	0.01	0.34	0	0	0	164	0.00
			6:00	0	3.3	5.5	8.4	0	0.01	0.36	0	0	0	164	0.00
			6:10	0	2.9	6	8.5	0	0	0.31	0	0	0	164	0.00
			6:20	0	3.1	5.4	8.2	0	0	0.33	0	0	0	164	0.00
			6:30	0	3.5	4.9	6.7	0	0	0.31	0	0	0	164	0.00
			6:40	0	2.9	5.5	7.5	0	0	0.34	0	0	0	164	0.00
			6:50	0	3.1	5.1	7.3	0	0	0.15	0	0	0	164	0.00
			7:00	0	2.1	4.6	7	0	0	0.38	0	0	0	177	0.00
			7:10	0	2.5	5.8	9.2	0	0.01	0.39	0	0	0	185	0.00
			7:20	0	2.2	5.9	9.4	0	0.02	0.92	0	0	0	184	0.00
			7:30	0	3.7	6.8	11.4	0	0.01	0.26	0	0	0	185	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	7:40	0	3.4	6.2	9.6	0	0.02	0.67	0	0	0	184	0.00
			7:50	0	3.3	5.6	9.1	0	0.03	0.58	0	0	0	185	0.00
			8:00	0	2.3	4.9	11.3	0	0.01	0.31	0	0	0	185	0.00
			8:10	0	2.3	5.3	9.2	0	0.01	0.4	0	0	0	184	0.00
			8:20	0	1.3	5.5	10.1	0	0.02	0.63	0	0	0	184	0.00
			8:30	0	1.5	4.8	9	0	0	0.38	0	0	0	184	0.00
			8:40	0	2.5	5.5	9.1	0	0.02	0.72	0	0	0	184	0.00
			8:50	0	1.6	6.6	11	0	0.01	0.43	0	0	0	182	0.00
			9:00	0	3.3	6.3	11	0	0.01	0.4	0	0	0	184	0.00
			9:10	0	1.9	5.1	10.5	0	0.01	0.34	0	0	0	185	0.00
			9:20	0	1	4.8	10	0	0.01	0.31	0	0	0	259	0.00
			9:30	0	0.6	3.4	5.2	0	0	0.31	0	0	0	260	0.00
			9:40	0	1.2	3.8	5.6	0	0	0.31	0	0	0	225	0.00
			9:50	0	0.8	2.1	3.8	0	0	0.31	0	0	0	197	0.00
			10:00	0	1	2.5	3.9	0	0	0.12	0	0	0	216	0.00
			10:10	0	2.2	4.5	6.1	0	0.01	0.3	0	0	0	260	0.00
			10:20	0	2.4	4.6	6.2	0	0	0.41	0	0	0	292	0.00
			10:30	0	2.8	4	5.1	0	0	0.13	0	0	0	298	0.00
			10:40	0	1.4	3.5	5.5	0	0	0.31	0	0	0	305	0.00
			10:50	0	3.8	6	8	0	0	0.33	0	0	0	298	0.00
			11:00	0	3.7	6.1	7.5	0	0	0.27	0	0	0	297	0.00
			11:10	0	3.5	5.3	6.4	0	0	0.34	0	0	0	297	0.00
			11:20	0	1.7	4.3	5.8	0	0.01	0.35	0	0	0	297	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	11:30	0	1.3	3.2	4.2	0	0	0.24	0	0	0	297	0.00
			11:40	0	0.9	2.8	4.3	0	0	0.31	0	0	0	297	0.00
			11:50	0	0.6	2.1	3.2	0	0	0	0	0	0	295	0.00
			12:00	0	1.2	2.5	3.6	0	0	0.31	0	0	0	276	0.00
			12:10	0	0.8	2.4	3.9	0	0	0.31	0	0	0	283	0.00
			12:20	0	1.1	3.9	5	0	0	0.31	0	0	0	283	0.00
			12:30	0	1.8	3.5	4.5	0	0	0.31	0	0	0	268	0.00
			12:40	0	1.9	4	5.1	0	0	0.3	0	0	0	275	0.00
			12:50	0	2.3	4.1	5.3	0	0	0.31	0	0	0	276	0.00
			13:00	0	1.6	4.2	5.5	0	0	0.22	0	0	0	276	0.00
			13:10	0	1.9	4.4	5.7	0	0	0.42	0	0	0	276	0.00
			13:20	0	2.4	4.4	5.7	0	0	0.31	0	0	0	276	0.00
			13:30	0	2.2	4.7	5.8	0	0	0.31	0	0	0	276	0.00
			13:40	0	2.5	4.2	5.9	0	0	0.39	0	0	0	276	0.00
			13:50	0	3.4	4.6	5.3	0	0	0.38	0	0	0	276	0.00
			14:00	0	1.7	4.2	5.1	0	0	0.31	0	0	0	273	0.00
			14:10	0	1.8	4.3	5.8	0	0.01	0.31	0	0	0	272	0.00
			14:20	80	2.7	4.1	5.2	0	0	0	0	0	0	271	0.00
			14:30	246	0	0	0	0	0	0	0	0	0	0	0.00
			14:40	246	0	0	0	0	0	0	0	0	0	0	0.00
			14:50	246	0	0	0	0	0	0	0	0	0	0	0.00
			15:00	246	0	0	0	0	0	0	0	0	0	0	0.00
			15:10	246	0	0	0	0	0	0	0	0	0	0	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**
Begin at Plant 15 44381
Stop at Plant 15 44381
Begin Date 2013/08/20 0:00:01
End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	15:20	246	0	0	0	0	0	0	0	0	0	0	0.00
			15:30	246	0	0	0	0	0	0	0	0	0	0	0.00
			15:40	246	0	0	0	0	0	0	0	0	0	0	0.00
			15:50	246	0	0	0	0	0	0	0	0	0	0	0.00
			16:00	30	0	4.1	5.3	0	0	0.15	0	0	0	300	0.00
			16:10	0	1.2	4.1	5.5	0	0	0.33	0	0	0	308	0.00
			16:20	0	2.2	4	5.1	0	0	0.16	0	0	0	311	0.00
			16:30	0	1.6	4.8	5.9	0	0.01	0.31	0	0	0	315	0.00
			16:40	0	1	4.7	5.8	0	0	0.31	0	0	0	315	0.00
			16:50	0	2.3	4.7	5.8	0	0	0.31	0	0	0	311	0.00
			17:00	0	2.3	4.6	6	0	0	0.31	0	0	0	310	0.00
			17:10	0	2.8	4.9	6	0	0	0.31	0	0	0	312	0.00
			17:20	0	2.5	5	6.2	0	0.01	0.34	0	0	0	314	0.00
			17:30	0	1.8	4.6	6.4	0	0	0.1	0	0	0	309	0.00
			17:40	0	2.4	4.5	6.2	0	0	0.16	0	0	0	308	0.00
			17:50	0	2.3	4.2	5.5	0	0	0.34	0	0	0	305	0.00
			18:00	0	2.7	4.2	5.6	0	0	0.31	0	0	0	298	0.00
			18:10	0	2.3	4.3	5.4	0	0	0.28	0	0	0	299	0.00
			18:20	0	0.9	3.1	4.4	0	0.01	0.31	0	0	0	294	0.00
			18:30	0	1.8	4.3	5.3	0	0.01	0.31	0	0	0	286	0.00
			18:40	0	1.8	4.2	5.6	0	0	0.31	0	0	0	293	0.00
			18:50	0	1.9	4.1	5.3	0	0	0.09	0	0	0	308	0.00
			19:00	0	3.1	4.3	5.8	0	0.01	0.31	0	0	0	308	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	19:10	0	2.1	4.2	5.9	0	0	0.11	0	0	0	308	0.00
			19:20	0	3.8	5	5.8	0	0	0.31	0	0	0	313	0.00
			19:30	0	3.3	4.6	6.1	0	0	0.17	0	0	0	318	0.00
			19:40	0	1.8	4.7	6	0	0	0	0	0	0	317	0.00
			19:50	0	2.9	4.3	5.6	0	0	0.11	0	0	0	313	0.00
			20:00	0	2.1	3.9	4.6	0	0	0.22	0	0	0	316	0.00
			20:10	0	2.3	3.8	4.9	0	0	0.31	0	0	0	315	0.00
			20:20	0	2.7	4	5.1	0	0	0	0	0	0	315	0.00
			20:30	0	1.3	3	4.8	0	0	0.29	0	0	0	324	0.00
			20:40	0	1.5	3.5	4.4	0	0	0.23	0	0	0	324	0.00
			20:50	0	1.3	3	4.2	0	0.01	0.31	0	0	0	329	0.00
			21:00	0	1.7	3	4.1	0	0	0.31	0	0	0	333	0.00
			21:10	0	1.2	3.3	4.1	0	0	0.31	0	0	0	333	0.00
			21:20	0	0.9	2.2	3.8	0	0.01	0.38	0	0	0	333	0.00
			21:30	0	0.6	2.8	4.3	0	0	0.2	0	0	0	324	0.00
			21:40	0	0.7	1.9	3.3	0	0	0.32	0	0	0	328	0.00
			21:50	0	0.6	1.2	2.4	0	0	0.13	0	0	0	330	0.00
			22:00	0	0.8	1.3	2.3	0	0	0.29	0	0	0	330	0.00
			22:10	0	0.9	2.2	3.2	0	0	0.36	0	0	0	14	0.00
			22:20	0	1.4	2.4	3.3	0	0.01	0.31	0	0	0	72	0.00
			22:30	0	2.2	3	3.5	0	0	0.31	0	0	0	96	0.00
			22:40	0	1.6	3.2	3.7	0	0	0.31	0	0	0	111	0.00
			22:50	0	1.6	3.1	3.8	0	0	0.24	0	0	0	137	0.00

10min Data

Location **1135** **Noshiro Asanai, Akita Pref.**

Begin at Plant 15 44381

Stop at Plant 15 44381

Begin Date 2013/08/20 0:00:01

End Date 2013/08/20 23:50:00

Turbine Alias	SerialNo	Date/Time		Error %	Wind min m/s	Wind avg m/s	Wind max m/s	rpm min rpm	rpm avg rpm	rpm max rpm	kW min kW	kW avg kW	kW max kW	Nacelle Position °	kWh
15 No. 15	44381	2013/08/20	23:00	0	1.7	3	3.6	0	0	0.31	0	0	0	136	0.00
			23:10	0	1.9	3.2	3.6	0	0	0.13	0	0	0	136	0.00
			23:20	0	0.9	2.8	3.8	0	0	0.18	0	0	0	153	0.00
			23:30	0	1.1	2.8	3.8	0	0	0.07	0	0	0	153	0.00
			23:40	0	2.9	3.4	3.6	0	0	0.22	0	0	0	153	0.00
			23:50	0	1	2.9	3.7	0	0	0.31	0	0	0	161	0.00