

**Appendix 2 Basic statistics of the surface water data (1)**

**REWA**

	water Tem	pH	E.C.	DO	Turb.	Flow rate	E.C.	COD	TDS	HARDNESS
Average	23.87	7.4995	8.44	11.77625	1.128205	20.70075	80.45	10.325	59.8	25.225
Median	23.85	7.51	8.3	12.595	0	2.03	79.5	8	56	25.5
Mode	22.5	7.75	10.4	12.9	0	0.2	83	13	48	28
StandardDeviation	1.664594	0.363127	3.123427	2.451411	2.546199	56.46397	24.87502	9.827062	18.50876	8.561954
Dispersion	2.770872	0.131861	9.755795	6.009414	6.483131	3188.18	618.7667	96.57115	342.5744	73.30705
Range	5.5	1.82	18.3	9.01	14	338.97	148	50.5	95	46
Minimum	21.3	6.39	3.5	6.35	0	0.03	45	0.5	21	11
Maximum	26.8	8.21	21.8	15.36	14	339	193	51	116	57
Total	954.8	299.98	337.6	471.05	44	828.03	3218	413	2392	1009
Specimen	40	40	40	40	39	40	40	40	40	40
Confidence interval(95%)	0.532362	0.116134	0.998919	0.783998	0.825382	18.05804	7.95541	3.142844	5.919384	2.738243

**NAVUA**

Average	24.43333	7.947778	11.98889	8.238889	2.388889	11.89	115.8333	3.944444	69.5	45.38889
Median	24.4	8.05	11.5	8.295	0.5	5.47	117	4	70.5	44.5
Mode	24.4	#N/A	8.9	#N/A	0	5.47	82	5	49	28
StandardDeviation	0.808775	0.37043	3.703399	0.721656	6.563167	14.11303	30.50217	2.848575	18.33752	15.62102
Dispersion	0.654118	0.137218	13.71516	0.520787	43.07516	199.1775	930.3824	8.114379	336.2647	244.0163
Range	2.9	1.18	12.9	2.9	28	43.41	113	10.5	68	54
Minimum	22.9	7.26	6.2	7.1	0	0.29	63	0.5	38	21
Maximum	25.8	8.44	19.1	10	28	43.7	176	11	106	75
Total	439.8	143.06	215.8	148.3	43	202.13	2085	71	1251	817
Specimen	18	18	18	18	18	17	18	18	18	18
Confidence interval(95%)	0.402195	0.184211	1.84166	0.358871	3.263791	7.256247	15.16839	1.416565	9.119048	7.768163

**SIGATOKA**

Average	24.83529	8.107059	25.64118	12.26882	1.941176	1.704706	224.0588	7.529412	145.3529	84.64706
Median	24.9	8.09	23.4	13.35	1	0.6	222	6	136	80
Mode	26.3	8.08	#N/A	14.79	0	#N/A	222	5	164	#N/A
StandardDeviation	1.537019	0.148272	7.992032	2.8833	3.131904	3.123896	62.60538	5.316456	36.22316	30.11217
Dispersion	2.362426	0.021985	63.87257	7.200099	9.808824	9.758726	3919.434	28.26471	1312.118	906.7426
Range	5	0.55	25.6	8.59	12	11.7	218	23	127	106
Minimum	22.2	7.85	15.1	6.6	0	0	134	2	96	47
Maximum	27.2	8.4	40.7	15.19	12	11.7	352	25	223	153
Total	422.2	137.82	435.9	208.57	33	28.98	3809	128	2471	1439
Specimen	17	17	17	17	17	17	17	17	17	17
Confidence interval(95%)	0.790262	0.076234	4.109123	1.379625	1.610276	1.606159	32.18871	2.733469	18.82423	15.48224

**COASTAL**

Average	25.42222	7.502222	12.11111	8.798889	1.888889	5.272222	107.6667	8.166667	69.11111	35.44444
Median	24.7	7.32	10.5	8.94	0	0.71	93	9	56	28
Mode	25.1	7.32	8	#N/A	0	0.39	#N/A	3	#N/A	#N/A
StandardDeviation	1.988578	0.465451	5.908139	1.934654	3.018462	13.55139	47.91399	5.350234	30.65308	24.34189
Dispersion	3.954444	0.216644	34.90611	3.742886	9.111111	183.6401	2295.75	28.625	939.6111	592.5278
Range	6.4	1.42	19.1	7.01	8	41.01	158	15.5	95	78
Minimum	24.2	7.01	8	4.78	0	0.39	70	0.5	42	20
Maximum	30.6	8.43	27.1	11.79	8	41.4	228	16	137	98
Total	228.8	67.52	109	79.19	17	47.45	969	73.5	622	319
Specimen	9	9	9	9	9	9	9	9	9	9
Confidence interval(95%)	1.528558	0.357777	4.541401	1.487108	2.320197	10.41653	36.82997	4.112556	23.56206	18.71085

**WHOLE**

Average	24.35238	7.71881	13.075	10.79893	1.650602	13.33241	120.0119	8.160714	80.19048	42.66667
Median	24.4	7.765	10.1	11.035	0	1.56	97.5	6	68	31.5
Mode	24.7	7.84	10.4	9.1	0	0.39	83	5	48	28
StandardDeviation	1.599358	0.430921	8.131611	2.727087	3.874349	40.46096	66.70877	7.838414	41.00616	28.82993
Dispersion	2.557946	0.185693	66.1231	7.437005	15.01058	1637.089	4450.06	61.44073	1681.505	831.1647
Range	9.3	2.05	37.2	10.58	28	339	307	50.5	202	142
Minimum	21.3	6.39	3.5	4.78	0	0	45	0.5	21	11
Maximum	30.6	8.44	40.7	15.36	28	339	352	51	223	153
Total	2045.6	648.38	1098.3	907.11	137	1106.59	10081	685.5	6736	3584
Specimen	84	84	84	84	83	83	84	84	84	84
Confidence interval(95%)	0.347082	0.093516	1.764668	0.591814	0.845988	8.834902	14.47669	1.70104	8.898885	6.256479

**Appendix 2 Basic statistics of the surface water data (2)**

**REWA**

	Ca	Mg	Na	K	CO3	HCO3	SO4	CL	B	Fa
Average	5.9	2.5	7.9	0.625	0.5	32.975	4.0625	5.1625	0.05125	0.060625
Median	6	2	8	0.5	0.5	33	3	5	0.05	0.04
Mode	7	2	7	0.5	0.5	37	3	4	0.05	0.005
StandardDeviation	2.169722	1.176697	2.619454	0.353553	0	11.35327	3.940564	1.895972	0.007906	0.094694
Dispersion	4.707692	1.384615	6.861538	0.125	0	128.8968	15.52804	3.594712	6.25E-05	0.008967
Range	10	6	12	1.5	0	59	19.5	9.5	0.05	0.575
Minimum	2	1	4	0.5	0.5	15	0.5	0.5	0.05	0.005
Maximum	12	7	16	2	0.5	74	20	10	0.1	0.58
Total	236	100	316	25	20	1319	162.5	206.5	2.05	2.425
Specimen	40	40	40	40	40	40	40	40	40	40
Confidence interval(95%)	0.69391	0.376326	0.837741	0.113072	0	3.630949	1.260252	0.606361	0.002528	0.030285

**NAVUA**

Average	10.66667	4.555556	8.277778	0.611111	0.5	53.22222	3.111111	4.722222	0.05	0.051667
Median	10.5	5	8	0.5	0.5	53	2	4	0.05	0.03
Mode	7	5	8	0.5	0.5	38	2	4	0.05	0.03
StandardDeviation	3.741657	1.616904	1.447332	0.213896	0	16.69292	2.193276	2.321398	6.39E-10	0.06741
Dispersion	14	2.614379	2.094771	0.045752	0	278.6536	4.810458	5.388889	4.08E-19	0.004544
Range	13	5	5	0.5	0	59	9	9	0	0.29
Minimum	5	2	6	0.5	0.5	28	2	2	0.05	0.01
Maximum	18	7	11	1	0.5	87	11	11	0.05	0.3
Total	192	82	149	11	9	958	56	85	0.9	0.93
Specimen	18	18	18	18	18	18	18	18	18	18
Confidence interval(95%)	1.860685	0.804069	0.719743	0.106368	0	8.301206	1.090692	1.154406	3.18E-10	0.033522

**SIGATOKA**

Average	22.94118	6.470588	18.94118	1.441176	0.823529	110.5882	7.529412	7.941176	0.05	0.028824
Median	23	7	20	2	0.5	101	5	8	0.05	0.03
Mode	24	8	26	2	0.5	101	5	8	0.05	0.02
StandardDeviation	9.717707	2.239354	5.237731	0.634487	1.333946	38.80248	7.890799	4.099857	0	0.01409
Dispersion	94.43382	5.014706	27.43382	0.402574	1.779412	1505.632	62.26471	16.80882	0	0.000199
Range	35	7	16	1.5	5.5	133	34	18	0	0.04
Minimum	12	3	10	0.5	0.5	62	1	4	0.05	0.01
Maximum	47	10	26	2	6	195	35	22	0.05	0.05
Total	390	110	322	24.5	14	1880	128	135	0.85	0.49
Specimen	17	17	17	17	17	17	17	17	17	17
Confidence interval(95%)	4.996383	1.151369	2.692992	0.326223	0.685852	19.95039	4.057073	2.107951	0	0.007244

**COASTAL**

Average	8.111111	3.777778	10	0.555556	0.5	45.66667	2.222222	7.555556	0.05	0.089444
Median	6	3	8	0.5	0.5	37	2	8	0.05	0.09
Mode	6	3	8	0.5	0.5	49	2	9	0.05	0.04
StandardDeviation	5.510092	2.538591	2.95804	0.166667	0	27.18915	1.20185	3.004626	1.14E-09	0.058547
Dispersion	30.36111	6.444444	8.75	0.027778	0	739.25	1.444444	9.027778	1.3E-18	0.003428
Range	18	8	8	0.5	0	88	4	11	0	0.195
Minimum	4	2	7	0.5	0.5	27	1	2	0.05	0.005
Maximum	22	10	15	1	0.5	115	5	13	0.05	0.2
Total	73	34	90	5	4.5	411	20	68	0.45	0.805
Specimen	9	9	9	9	9	9	9	9	9	9
Confidence interval(95%)	4.235434	1.951335	2.273752	0.128111	0	20.89945	0.923825	2.309562	8.77E-10	0.045003

**WHOLE**

Average	10.60714	3.880952	10.44048	0.779762	0.565476	54.38095	4.363095	5.886905	0.050595	0.055357
Median	7.5	3	8.5	0.5	0.5	38	3	5	0.05	0.04
Mode	7	2	8	0.5	0.5	37	2	4	0.05	0.005
StandardDeviation	8.289953	2.272967	5.360164	0.51103	0.600099	36.81798	4.832964	2.9354	0.005455	0.076153
Dispersion	68.72332	5.16638	28.73135	0.261152	0.360119	1355.564	23.35754	8.616573	2.98E-05	0.005799
Range	45	9	22	1.5	5.5	180	34.5	21.5	0.05	0.575
Minimum	2	1	4	0.5	0.5	15	0.5	0.5	0.05	0.005
Maximum	47	10	26	2	6	195	35	22	0.1	0.58
Total	891	326	877	65.5	47.5	4568	366.5	494.5	4.25	4.65
Specimen	84	84	84	84	84	84	84	84	84	84
Confidence interval(95%)	1.799031	0.493264	1.163227	0.1109	0.13023	7.989995	1.048818	0.637021	0.001184	0.016526

**Appendix 2 Basic statistics of the surface water data (3)**

**REWA**

	Se	Ag	Al	As	Ba	Cr	Cu	Mn	Mo	Ni
Average	0.008125	0.0009	0.047	0.000538	0.005125	0.001025	0.001813	0.010263	0.000538	0.002763
Median	0.005	0.0005	0.03	0.0005	0.004	0.0005	0.001	0.006	0.0005	0.001
Mode	0.005	0.0005	0.02	0.0005	0.002	0.0005	0.001	0.002	0.0005	0.0005
StandardDeviation	0.005739	0.001081	0.071439	0.000237	0.002954	0.001908	0.001803	0.011322	0.000237	0.005537
Dispersion	3.29E-05	1.17E-06	0.005104	5.62E-08	8.73E-06	3.64E-06	3.25E-06	0.000128	5.62E-08	3.07E-05
Range	0.015	0.0045	0.44	0.0015	0.012	0.0105	0.0075	0.0605	0.0015	0.0265
Minimum	0.005	0.0005	0.01	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005
Maximum	0.02	0.005	0.45	0.002	0.014	0.011	0.008	0.061	0.002	0.027
Total	0.325	0.036	1.88	0.0215	0.205	0.041	0.0725	0.4105	0.0215	0.1105
Specimen	40	40	40	40	40	40	40	40	40	40
Confidence interval(95%)	0.001835	0.000346	0.022847	7.59E-05	0.000945	0.00061	0.000577	0.003621	7.59E-05	0.001771

**NAVUA**

Average	0.006944	0.000556	0.061389	0.001472	0.001778	0.0005	0.001222	0.005278	0.0005	0.002028
Median	0.005	0.0005	0.02	0.001	0.002	0.0005	0.001	0.004	0.0005	0.00075
Mode	0.005	0.0005	0.02	0.0005	0.002	0.0005	0.001	0.003	0.0005	0.0005
StandardDeviation	0.003888	0.000162	0.10492	0.001077	0.000647	0	0.000826	0.00334	0	0.002569
Dispersion	1.51E-05	2.61E-08	0.011008	1.16E-06	4.18E-07	0	6.83E-07	1.12E-05	0	6.6E-06
Range	0.015	0.0005	0.405	0.0035	0.002	0	0.0025	0.013	0	0.0085
Minimum	0.005	0.0005	0.005	0.0005	0.001	0.0005	0.0005	0.003	0.0005	0.0005
Maximum	0.02	0.001	0.41	0.004	0.003	0.0005	0.003	0.016	0.0005	0.009
Total	0.125	0.01	1.105	0.0265	0.032	0.009	0.022	0.095	0.009	0.0365
Specimen	18	18	18	18	18	18	18	18	18	18
Confidence interval(95%)	0.001933	8.04E-05	0.052176	0.000536	0.000322	0	0.000411	0.001661	0	0.001278

**SIGATOKA**

Average	0.015882	0.0005	0.030588	0.0005	0.002059	0.001941	0.004059	0.019235	0.000588	0.002059
Median	0.02	0.0005	0.03	0.0005	0.002	0.0005	0.002	0.011	0.0005	0.001
Mode	0.02	0.0005	0.03	0.0005	0.002	0.0005	0.002	0.006	0.0005	0.001
StandardDeviation	0.006183	0	0.012976	0	0.000659	0.002324	0.006015	0.020858	0.000196	0.001936
Dispersion	3.82E-05	0	0.000168	0	4.34E-07	5.4E-06	3.62E-05	0.000435	3.86E-08	3.75E-06
Range	0.02	0	0.05	0	0.003	0.0065	0.025	0.069	0.0005	0.0065
Minimum	0.01	0.0005	0.01	0.0005	0.001	0.0005	0.002	0.002	0.0005	0.0005
Maximum	0.03	0.0005	0.06	0.0005	0.004	0.007	0.027	0.071	0.001	0.007
Total	0.27	0.0085	0.52	0.0085	0.035	0.033	0.069	0.327	0.01	0.035
Specimen	17	17	17	17	17	17	17	17	17	17
Confidence interval(95%)	0.003179	0	0.006672	0	0.000339	0.001195	0.003093	0.010724	0.000101	0.000995

**COASTAL**

Average	0.005	0.0005	0.041111	0.001333	0.001556	0.0005	0.0015	0.026333	0.0005	0.002833
Median	0.005	0.0005	0.03	0.002	0.001	0.0005	0.001	0.027	0.0005	0.0005
Mode	0.005	0.0005	0.03	0.002	0.001	0.0005	0.001	#N/A	0.0005	0.0005
StandardDeviation	8.23E-11	0	0.04068	0.000791	0.000982	0	0.001436	0.016852	0	0.003905
Dispersion	6.78E-21	0	0.001655	6.25E-07	9.65E-07	0	2.06E-06	0.000284	0	1.53E-05
Range	0	0	0.125	0.0015	0.0025	0	0.0035	0.048	0	0.0105
Minimum	0.005	0.0005	0.005	0.0005	0.0005	0.0005	0.0005	0.004	0.0005	0.0005
Maximum	0.005	0.0005	0.13	0.002	0.003	0.0005	0.004	0.052	0.0005	0.011
Total	0.045	0.0045	0.37	0.012	0.014	0.0045	0.0135	0.237	0.0045	0.0255
Specimen	9	9	9	9	9	9	9	9	9	9
Confidence interval(95%)	6.33E-11	0	0.031269	0.000608	0.000755	0	0.001104	0.012954	0	0.003002

**WHOLE**

Average	0.009107	0.000702	0.046131	0.000815	0.003405	0.001042	0.002107	0.012732	0.000536	0.00247
Median	0.005	0.0005	0.03	0.0005	0.002	0.0005	0.001	0.0065	0.0005	0.001
Mode	0.005	0.0005	0.02	0.0005	0.002	0.0005	0.001	0.004	0.0005	0.0005
StandardDeviation	0.006217	0.000769	0.070341	0.00071	0.002666	0.001736	0.003142	0.014747	0.000187	0.004252
Dispersion	3.87E-05	5.91E-07	0.004948	5.05E-07	7.11E-06	3.01E-06	9.87E-06	0.000217	3.49E-08	1.81E-05
Range	0.025	0.0045	0.445	0.0035	0.0135	0.0105	0.0265	0.0705	0.0015	0.0265
Minimum	0.005	0.0005	0.005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Maximum	0.03	0.005	0.45	0.004	0.014	0.011	0.027	0.071	0.002	0.027
Total	0.765	0.059	3.875	0.0685	0.286	0.0875	0.177	1.0695	0.045	0.2075
Specimen	84	84	84	84	84	84	84	84	84	84
Confidence interval(95%)	0.001349	0.000167	0.015265	0.000154	0.000578	0.000377	0.000662	0.0032	4.05E-05	0.000923

Appendix 2 Basic statistics of the surface water data (4)

**REWA**

	Pb	Sb	Zn	Hg	CN	F	NH4(N)	NO2(N)	NO3(N)	P	S-Sulphide
Average	0.007463	0.0005	0.00915	0.00005	0.000675	0.0625	0.01375	0.005	0.020375	0.008	0.05
Median	0.0005	0.0005	0.004	0.00005	0.0005	0.05	0.01	0.005	0.015	0.005	0.05
Mode	0.0005	0.0005	0.003	0.00005	0.0005	0.05	0.01	0.005	0.005	0.005	0.05
StandardDeviation	0.036793	0	0.017039	2.26E-12	0.000747	0.021926	0.007986	0	0.018892	0.010849	0
Dispersion	0.001354	0	0.00029	5.09E-24	5.58E-07	0.000481	6.38E-05	0	0.000357	0.000118	0
Range	0.2305	0	0.104	0	0.0045	0.05	0.025	0	0.065	0.065	0
Minimum	0.0005	0.0005	0.002	0.00005	0.0005	0.05	0.005	0.005	0.005	0.005	0.05
Maximum	0.231	0.0005	0.106	0.00005	0.005	0.1	0.03	0.005	0.07	0.07	0.05
Total	0.2985	0.02	0.366	0.002	0.027	2.5	0.55	0.2	0.815	0.32	2
Specimen	40	40	40	40	40	40	40	40	40	40	40
Confidence interval(95%)	0.011767	0	0.005449	7.22E-13	0.000239	0.007012	0.002554	0	0.006042	0.00347	0

**NAVUA**

Average	0.000694	0.0005	0.004972	0.00005	0.000806	0.1	0.018333	0.010556	0.018333	0.008889	0.05
Median	0.0005	0.0005	0.0035	0.00005	0.0005	0.1	0.02	0.005	0.02	0.005	0.05
Mode	0.0005	0.0005	0.0005	0.00005	0.0005	0.1	0.02	0.005	0.005	0.005	0.05
StandardDeviation	0.000825	0	0.004954	0	0.001296	1.28E-09	0.003835	0.018302	0.015435	0.007775	6.39E-10
Dispersion	6.81E-07	0	2.45E-05	0	1.68E-06	1.63E-18	1.47E-05	0.000335	0.000238	6.05E-05	4.08E-19
Range	0.0035	0	0.0165	0	0.0055	0	0.01	0.075	0.055	0.025	0
Minimum	0.0005	0.0005	0.0005	0.00005	0.0005	0.1	0.01	0.005	0.005	0.005	0.05
Maximum	0.004	0.0005	0.017	0.00005	0.006	0.1	0.02	0.08	0.06	0.03	0.05
Total	0.0125	0.009	0.0895	0.0009	0.0145	1.8	0.33	0.19	0.33	0.16	0.9
Specimen	18	18	18	18	18	18	18	18	18	18	18
Confidence interval(95%)	0.00041	0	0.002464	0	0.000645	6.35E-10	0.001907	0.009101	0.007676	0.003867	3.18E-10

**SIGATOKA**

Average	0.000706	0.0005	0.004294	0.00005	0.0005	0.135294	0.02	0.013529	0.007059	0.007647	0.05
Median	0.0005	0.0005	0.004	0.00005	0.0005	0.1	0.02	0.005	0.005	0.005	0.05
Mode	0.0005	0.0005	0.004	0.00005	0.0005	0.1	0.02	0.005	0.005	0.005	0.05
StandardDeviation	0.000849	0	0.001105	0	0	0.049259	0.006124	0.035168	0.006139	0.005037	0
Dispersion	7.21E-07	0	1.22E-06	0	0	0.002426	3.75E-05	0.001237	3.77E-05	2.54E-05	0
Range	0.0035	0	0.004	0	0	0.1	0.02	0.145	0.025	0.015	0
Minimum	0.0005	0.0005	0.003	0.00005	0.0005	0.1	0.01	0.005	0.005	0.005	0.05
Maximum	0.004	0.0005	0.007	0.00005	0.0005	0.2	0.03	0.15	0.03	0.02	0.05
Total	0.012	0.0085	0.073	0.00085	0.0085	2.3	0.34	0.23	0.12	0.13	0.85
Specimen	17	17	17	17	17	17	17	17	17	17	17
Confidence interval(95%)	0.000438	0	0.000568	0	0	0.025327	0.003149	0.018082	0.003156	0.00259	0

**COASTAL**

Average	0.000667	0.0005	0.006833	0.00005	0.001278	0.094444	0.013333	0.014444	0.022778	0.011667	0.05
Median	0.0005	0.0005	0.004	0.00005	0.0005	0.1	0.01	0.005	0.005	0.005	0.05
Mode	0.0005	0.0005	0.004	0.00005	0.0005	0.1	0.01	0.005	0.005	0.005	0.05
StandardDeviation	0.0005	0	0.008595	0	0.001839	0.046398	0.007071	0.028333	0.03817	0.013463	1.14E-09
Dispersion	2.5E-07	0	7.39E-05	0	3.38E-06	0.002153	0.00005	0.000803	0.001457	0.000181	1.3E-18
Range	0.0015	0	0.0285	0	0.0055	0.15	0.02	0.085	0.115	0.035	0
Minimum	0.0005	0.0005	0.0005	0.00005	0.0005	0.05	0.01	0.005	0.005	0.005	0.05
Maximum	0.002	0.0005	0.029	0.00005	0.006	0.2	0.03	0.09	0.12	0.04	0.05
Total	0.006	0.0045	0.0615	0.00045	0.0115	0.85	0.12	0.13	0.205	0.105	0.45
Specimen	9	9	9	9	9	9	9	9	9	9	9
Confidence interval(95%)	0.000384	0	0.006607	0	0.001414	0.035665	0.005435	0.021779	0.02934	0.010349	8.77E-10

**WHOLE**

Average	0.003917	0.0005	0.007024	0.00005	0.000732	0.08869	0.015952	0.008929	0.0175	0.008512	0.05
Median	0.0005	0.0005	0.004	0.00005	0.0005	0.1	0.02	0.005	0.005	0.005	0.05
Mode	0.0005	0.0005	0.003	0.00005	0.0005	0.1	0.02	0.005	0.005	0.005	0.05
StandardDeviation	0.025455	0	0.012387	0	0.000989	0.041327	0.007259	0.020001	0.019841	0.009562	3.22E-09
Dispersion	0.000648	0	0.000153	0	9.79E-07	0.001708	5.27E-05	0.0004	0.000394	9.14E-05	1.04E-17
Range	0.2305	0	0.1055	0	0.0055	0.15	0.025	0.145	0.115	0.065	0
Minimum	0.0005	0.0005	0.0005	0.00005	0.0005	0.05	0.005	0.005	0.005	0.005	0.05
Maximum	0.231	0.0005	0.106	0.00005	0.006	0.2	0.03	0.15	0.12	0.07	0.05
Total	0.329	0.042	0.59	0.0042	0.0615	7.45	1.34	0.75	1.47	0.715	4.2
Specimen	84	84	84	84	84	84	84	84	84	84	84
Confidence interval(95%)	0.005524	0	0.002688	0	0.000215	0.008968	0.001575	0.004341	0.004306	0.002075	6.99E-10

APPENDIX 3 Weather observation data in Namosi area (1)

Date yyyy/mm/dd	Temperature		Humidity		Wind			Precipitation	Insolation	
	max. °C	min. °C	max. %	min. %	direction degree	speed max. m/s	speed min. m/s	speed ave. m/s	amount mm	amount kW/m2
2002/9/19	27.7	16.1	97.3	54.7	262	5.8	0.0	2.4	0.0	461
2002/9/20	29.2	13.7	98.7	46.3	271	5.9	0.0	1.7	0.0	6720
2002/9/21	26.0	16.4	98.3	65.6	72	5.1	0.0	1.7	1.0	3100
2002/9/22	26.6	19.5	97.5	56.9	92	5.5	0.0	2.1	0.0	4891
2002/9/23	27.9	20.5	97.6	71.0	66	7.0	0.0	2.2	0.0	2802
2002/9/24	28.5	22.2	97.6	71.8	96	3.6	0.0	1.2	0.0	4126
2002/9/25	27.6	22.1	97.3	74.7	98	4.4	0.0	1.7	0.0	3016
2002/9/26	23.5	19.1	97.3	75.5	60	3.8	0.0	1.5	0.0	1604
2002/9/27	26.2	16.9	96.9	52.2	98	7.5	0.0	2.7	0.0	4524
2002/9/28	24.9	16.3	98.1	53.4	87	5.9	0.0	2.1	0.0	3368
2002/9/29	25.6	17.6	97.7	65.7	88	7.5	0.2	2.2	0.2	2345
2002/9/30	26.6	19.9	97.1	62.0	93	7.5	0.0	4.0	0.0	3236
2002/10/1	28.4	20.9	94.9	59.0	104	7.6	1.6	4.9	0.0	4104
2002/10/2	30.6	19.0	97.9	49.1	69	5.0	0.0	2.1	0.0	5220
2002/10/3	28.1	20.0	97.8	60.1	93	6.0	0.1	2.2	0.0	3917
2002/10/4	26.8	21.4	96.9	73.0	74	6.0	0.1	1.7	0.6	3066
2002/10/5	23.4	20.6	96.5	83.9	76	4.4	0.1	1.4	0.0	1991
2002/10/6	24.7	20.2	97.0	79.4	22	4.6	0.2	1.6	0.0	2402
2002/10/7	25.0	20.2	97.0	67.0	30	6.3	0.5	1.7	0.0	2582
2002/10/8	21.1	18.9	96.8	89.8	66	2.6	0.7	1.4	0.0	1281
2002/10/9	25.2	17.6	96.7	56.8	91	7.4	0.4	2.5	0.0	4801
2002/10/10	23.9	15.1	98.3	55.1	81	8.4	0.6	2.9	0.0	4440
2002/10/11	22.3	17.6	96.9	72.2	104	5.3	0.5	2.0	0.0	2695
2002/10/12	22.9	16.9	97.8	75.0	53	4.5	0.2	1.6	52.0	2834
2002/10/13	29.8	19.4	97.5	59.3	108	5.2	0.4	1.8	0.6	3513
2002/10/14	27.5	19.9	97.3	61.5	125	6.5	0.4	2.0	0.4	4187
2002/10/15	25.0	19.8	96.9	82.3	101	3.9	0.0	1.3	31.4	2114
2002/10/16	23.1	21.0	97.0	87.9	66	4.3	0.5	1.7	7.8	1772
2002/10/17	27.1	21.0	97.1	67.1	79	7.3	0.4	2.4	4.4	3641
2002/10/18	28.1	21.9	96.7	68.3	65	7.5	0.3	3.2	2.6	3731
2002/10/19	25.4	21.7	97.0	81.4	148	3.5	0.3	1.6	26.2	1735
2002/10/20	28.8	21.2	96.3	59.5	81	6.0	0.4	2.4	3.8	4798
2002/10/21	27.3	20.1	96.8	62.6	93	5.8	0.6	2.4	0.0	3762
2002/10/22	26.5	21.7	96.5	73.3	114	7.3	0.5	3.4	0.2	2371
2002/10/23	31.4	22.8	94.8	54.8	83	7.8	0.8	4.1	5.2	5618
2002/10/24	33.6	22.5	96.8	44.6	256	7.1	0.6	3.4	0.0	6207
2002/10/25	30.7	20.1	96.7	52.4	282	6.8	0.7	3.0	0.0	5432
2002/10/26	29.8	19.6	96.0	49.8	119	7.3	0.4	2.2	0.0	6249
2002/10/27	28.4	18.4	97.7	52.3	83	7.0	0.3	2.5	0.0	6228
2002/10/28	29.5	18.0	97.6	52.0	109	6.1	0.2	2.3	0.0	5448
2002/10/29	31.2	21.1	96.9	60.4	108	6.9	0.4	2.3	8.0	4046
2002/10/30	30.9	21.0	97.7	62.0	101	4.8	0.3	1.5	31.4	3032
2002/10/31	29.8	21.0	97.9	59.8	116	4.7	0.3	1.7	0.0	3444
2002/11/1	25.7	21.8	96.3	73.3	142	6.3	0.0	1.8	0.6	2105
2002/11/2	27.2	21.4	96.4	68.7	68	4.9	0.3	1.9	0.2	3641
2002/11/3	30.0	22.3	96.8	67.0	270	3.4	0.0	1.3	16.4	4465
2002/11/4	24.5	21.5	96.5	77.2	99	8.2	0.3	2.0	2.4	2495
2002/11/5	24.7	21.2	96.8	85.2	80	8.1	0.1	1.7	14.0	2394
2002/11/6	27.3	22.6	97.5	77.0	107	5.5	0.3	1.6	57.0	2282
2002/11/7	28.5	22.9	97.5	76.7	108	5.5	0.3	2.5	48.0	3027
2002/11/8	27.7	22.5	97.7	79.4	102	5.4	0.2	1.4	2.0	3132
2002/11/9	29.7	22.8	97.1	67.7	76	6.2	0.3	1.9	11.8	3368
2002/11/10	28.6	22.4	97.3	74.9	81	4.9	0.4	1.7	42.0	3569
2002/11/11	27.1	22.8	97.5	78.6	48	5.2	0.3	1.8	11.8	3022
2002/11/12	24.4	21.4	96.5	79.8	91	4.0	0.4	1.6	0.2	1637
2002/11/13	24.8	20.9	96.8	79.5	234	2.0	0.2	0.9	3.0	1528
2002/11/14	23.8	21.4	97.1	88.5	65	4.9	0.4	1.5	61.0	1743
2002/11/15	24.1	21.7	96.9	85.6	19	3.3	0.3	1.2	19.4	1613
2002/11/16	24.0	21.3	96.9	81.9	71	3.0	0.3	1.4	15.0	2437
2002/11/17	26.1	20.5	97.0	75.9	110	3.7	0.3	1.3	0.2	2222
2002/11/18	27.7	21.6	97.3	68.8	111	3.9	0.3	1.6	6.2	3651
2002/11/19	26.6	21.9	96.9	74.3	68	3.9	0.4	1.3	13.8	1765
2002/11/20	27.4	22.5	97.3	81.3	109	4.6	0.3	1.4	41.8	2190
2002/11/21	24.4	21.1	97.3	83.2	74	4.7	0.8	2.0	2.8	1969
2002/11/22	23.9	20.0	95.7	74.0	55	3.9	0.5	1.8	0.0	1838
2002/11/23	25.6	19.3	96.7	63.8	89	5.4	0.3	2.0	0.0	3758
2002/11/24	26.4	20.1	96.9	66.4	83	6.5	0.0	2.2	0.4	4033
2002/11/25	29.4	20.7	96.5	49.3	141	6.0	0.0	2.0	0.0	6207
2002/11/26	25.5	21.4	95.1	73.1	178	3.9	0.0	1.3	0.0	1514
2002/11/27	27.0	20.9	96.0	64.4	95	3.6	0.4	1.4	0.2	2596
2002/11/28	25.5	20.4	96.4	60.1	134	4.3	0.3	1.8	2.2	3759
2002/11/29	26.1	19.9	96.1	61.5	18	4.0	0.2	1.4	0.2	2951
2002/11/30	25.3	20.1	95.7	71.1	56	3.0	0.4	1.4	0.0	1930

APPENDIX 3 Weather observation data in Namosi area (2)

Date yyyy/mm/dd	Temperature		Humidity		Wind			Precipitation	Insolation	
	max. °C	min. °C	max. %	min. %	direction degree	speed max. m/s	speed min. m/s	speed ave. m/s	amount mm	amount kW/m2
2002/12/1	26.4	19.2	96.5	61.8	103	4.0	0.2	1.5	0.0	3409
2002/12/2	27.0	18.4	97.5	67.9	60	4.3	0.0	1.6	1.2	3531
2002/12/3	26.8	21.9	96.7	75.0	201	5.5	0.1	1.9	9.0	3988
2002/12/4	27.9	23.2	96.8	77.0	277	8.0	0.1	1.7	11.4	3940
2002/12/5	31.7	23.5	96.7	59.4	253	5.0	0.1	1.9	2.0	4976
2002/12/6	30.2	23.1	96.6	67.8	259	4.4	0.3	1.6	4.6	5558
2002/12/7	30.7	22.4	96.7	63.5	106	6.2	0.3	2.1	4.6	5295
2002/12/8	28.6	23.0	96.2	66.1	91	4.0	0.0	2.0	20.4	3379
2002/12/9	29.6	22.1	95.9	60.4	108	4.9	0.3	1.4	0.0	3774
2002/12/10	29.4	21.2	96.1	50.2	80	5.9	0.2	2.1	2.6	6762
2002/12/11	29.5	20.6	97.1	55.9	73	7.8	0.0	2.4	0.0	5284
2002/12/12	29.7	22.1	96.6	57.1	114	7.5	0.4	2.5	1.2	4537
2002/12/13	30.7	19.6	96.8	38.4	103	8.4	0.3	3.2	0.0	7993
2002/12/14	29.4	19.0	97.7	44.8	63	7.0	0.2	2.7	0.8	8110
2002/12/15	26.4	20.4	96.3	80.9	120	7.7	0.6	2.4	18.2	2924
2002/12/16	27.5	23.7	95.6	85.4	55	4.4	0.8	2.1	56.0	2639
2002/12/17	28.4	23.6	96.0	77.7	101	4.9	0.5	2.1	22.8	3642
2002/12/18	33.4	22.5	96.3	56.8	144	7.7	0.4	1.9	18.2	4996
2002/12/19	33.0	22.4	97.2	58.9	82	3.5	0.0	1.4	39.0	5141
2002/12/20	28.6	22.1	97.3	74.1	286	5.4	0.3	1.7	96.2	3017
2002/12/21	27.8	22.1	97.5	78.5	93	4.7	0.3	1.7	11.4	2561
2002/12/22	26.1	22.9	96.8	82.6	78	4.3	0.0	1.4	34.8	2901
2002/12/23	27.4	23.2	96.7	78.7	100	6.6	0.4	1.7	8.2	3044
2002/12/24	28.6	23.3	96.6	78.3	81	5.9	0.4	1.8	11.4	3570
2002/12/25	28.3	23.9	96.3	79.5	65	4.6	0.4	1.9	14.2	2833
2002/12/26	30.7	23.8	96.6	67.3	115	7.1	0.3	2.4	9.0	5194
2002/12/27	28.9	24.3	95.5	74.9	89	5.1	0.4	2.1	6.0	4203
2002/12/28	29.0	23.2	96.5	67.3	88	5.7	0.0	2.1	0.6	5963
2002/12/29	30.5	21.9	96.6	62.8	88	9.4	0.4	2.8	0.2	7110
2002/12/30	25.8	22.7	96.0	78.1	0	5.8	0.4	2.0	1.8	2193
2002/12/31	25.9	22.7	95.1	76.7	99	10.0	0.6	4.6	1.2	1253
2003/1/1	31.3	22.3	96.6	68.3	80	7.1	0.6	2.8	8.6	4298
2003/1/2	32.5	22.0	97.1	54.0	68	4.7	0.3	2.0	0.0	5634
2003/1/3	32.4	22.0	96.8	50.7	128	4.8	0.0	1.3	4.0	5670
2003/1/4	31.7	20.2	97.5	40.7	147	5.2	0.4	1.4	0.2	4571
2003/1/5	31.8	20.3	97.5	50.1	135	3.8	0.2	1.4	3.8	4331
2003/1/6	31.9	20.9	97.3	60.3	84	4.4	0.1	1.6	0.4	4497
2003/1/7	32.2	23.3	97.1	58.9	115	4.6	0.2	1.5	107.2	4322
2003/1/8	31.5	24.0	97.2	66.4	258	5.7	0.1	1.8	1.8	4592
2003/1/9	33.5	23.6	96.8	45.1	273	5.5	0.4	1.8	0.2	5758
2003/1/10	32.4	24.0	97.1	55.8	105	5.7	0.4	1.5	35.2	3359
2003/1/11	31.4	23.7	97.3	67.4	250	7.4	0.5	1.7	11.4	3507
2003/1/12	32.4	23.7	97.0	55.6	69	6.5	0.5	2.1	0.4	5534
2003/1/13	27.5	23.1	97.1	83.5	0	3.5	0.2	1.3	15.8	1175
2003/1/14	27.3	24.0	96.0	81.6	280	11.5	0.6	5.4	53.0	1887
2003/1/15	32.7	22.6	97.2	61.3	84	4.2	0.4	1.5	1.6	6088
2003/1/16	33.1	23.6	96.7	60.3	251	3.9	0.4	1.7	5.0	4067
2003/1/17	31.9	23.9	96.6	57.8	246	4.2	0.2	1.5	9.4	4557
2003/1/18	31.4	23.2	97.0	60.9	124	4.9	0.1	1.5	0.6	4265
2003/1/19	29.2	23.1	96.7	71.1	71	4.3	0.3	1.5	1.0	3716
2003/1/20	28.3	23.5	97.1	79.7	237	5.8	0.4	1.3	44.6	1723
2003/1/21	31.8	23.5	97.2	68.5	99	4.9	0.4	1.9	7.4	5318
2003/1/22	30.8	23.3	96.9	64.2	78	5.3	0.4	1.9	2.6	5357
2003/1/23	29.9	23.2	97.2	73.0	71	8.0	0.3	1.4	63.0	2473
2003/1/24	30.1	23.6	97.4	69.8	47	4.1	0.4	1.6	7.8	3418
2003/1/25	32.4	24.1	97.1	65.1	88	6.8	0.3	1.8	3.4	3591
2003/1/26	30.6	23.9	96.9	72.9	238	5.0	0.1	1.5	24.6	3099
2003/1/27	27.1	23.8	96.8	87.3	356	4.3	0.3	1.9	46.4	2552
2003/1/28	29.3	23.0	96.8	73.6	83	5.8	0.3	1.6	13.6	3530
2003/1/29	31.3	22.6	96.9	55.6	124	6.7	0.4	2.0	0.0	5969
2003/1/30	26.4	23.1	96.3	83.0	107	6.1	0.5	1.9	5.6	2690
2003/1/31	27.5	21.7	97.2	73.2	107	5.2	0.2	1.8	0.6	3586
2003/2/1	30.0	20.6	97.1	62.5	98	6.6	0.3	2.0	0.2	7013
2003/2/2	28.6	20.1	97.5	58.1	71	5.4	0.4	1.7	0.6	4045
2003/2/3	30.3	19.1	97.6	45.0	137	5.9	0.1	2.1	1.4	5531
2003/2/4	25.0	20.7	96.9	81.0	5	2.5	0.3	0.9	0.2	1216

APPENDIX 3 Weather observation data in Namosi area (3)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
1	2002/9/19	16:00:00	27.7	54.7	0.0	262	5.8	433	97	2002/9/23	16:00:00	26.2	77.3	0.0	88	3.8	118
2	2002/9/19	17:00:00	25.5	56.1	0.0	267	5.8	23	98	2002/9/23	17:00:00	25.7	79.8	0.0	68	3.0	44
3	2002/9/19	18:00:00	23.4	61.4	0.0	234	2.6	6	99	2002/9/23	18:00:00	25.0	82.4	0.0	68	3.3	3
4	2002/9/19	19:00:00	19.5	86.9	0.0	103	1.4	0	100	2002/9/23	19:00:00	24.4	84.6	0.0	56	3.7	0
5	2002/9/19	20:00:00	17.8	94.8	0.0	104	0.4	0	101	2002/9/23	20:00:00	23.8	89.4	0.0	97	0.9	0
6	2002/9/19	21:00:00	17.3	95.9	0.0	210	1.8	0	102	2002/9/23	21:00:00	23.6	90.3	0.0	66	1.8	0
7	2002/9/19	22:00:00	16.7	97.0	0.0	110	1.0	0	103	2002/9/23	22:00:00	23.1	94.2	0.0	91	1.3	0
8	2002/9/19	23:00:00	16.1	97.3	0.0	29	0.0	0	104	2002/9/23	23:00:00	22.7	95.9	0.0	107	0.4	0
9	2002/9/20	00:00:00	15.5	97.7	0.0	291	0.9	0	105	2002/9/24	00:00:00	22.7	96.0	0.0	134	0.1	0
10	2002/9/20	01:00:00	15.0	98.1	0.0	44	0.0	0	106	2002/9/24	01:00:00	22.5	97.1	0.0	79	0.0	0
11	2002/9/20	02:00:00	14.7	98.2	0.0	120	0.0	0	107	2002/9/24	02:00:00	22.5	96.9	0.0	271	0.5	0
12	2002/9/20	03:00:00	14.3	98.4	0.0	158	0.3	0	108	2002/9/24	03:00:00	22.3	97.3	0.0	63	0.1	0
13	2002/9/20	04:00:00	14.0	98.5	0.0	99	0.0	0	109	2002/9/24	04:00:00	22.3	97.3	0.0	31	0.0	0
14	2002/9/20	05:00:00	13.7	98.6	0.0	61	0.0	0	110	2002/9/24	05:00:00	22.2	97.3	0.0	15	0.3	0
15	2002/9/20	06:00:00	13.7	98.6	0.0	109	0.0	3	111	2002/9/24	06:00:00	22.3	97.6	0.0	20	0.6	2
16	2002/9/20	07:00:00	14.5	98.7	0.0	24	0.0	162	112	2002/9/24	07:00:00	22.5	96.8	0.0	90	0.0	46
17	2002/9/20	08:00:00	19.4	81.5	0.0	32	1.2	413	113	2002/9/24	08:00:00	23.8	91.5	0.0	48	0.9	182
18	2002/9/20	09:00:00	23.3	71.4	0.0	49	1.9	633	114	2002/9/24	09:00:00	25.9	81.0	0.0	59	1.6	602
19	2002/9/20	10:00:00	25.9	50.8	0.0	271	5.9	795	115	2002/9/24	10:00:00	27.2	73.9	0.0	30	2.4	665
20	2002/9/20	11:00:00	27.4	47.8	0.0	293	3.1	893	116	2002/9/24	11:00:00	26.6	79.8	0.0	96	3.6	631
21	2002/9/20	12:00:00	28.4	48.2	0.0	293	3.8	939	117	2002/9/24	12:00:00	27.2	79.3	0.0	315	3.1	1135
22	2002/9/20	13:00:00	28.6	54.4	0.0	251	5.2	976	118	2002/9/24	13:00:00	28.2	71.8	0.0	34	2.9	331
23	2002/9/20	14:00:00	29.2	46.3	0.0	277	4.9	803	119	2002/9/24	14:00:00	28.5	74.6	0.0	89	3.5	303
24	2002/9/20	15:00:00	28.3	52.0	0.0	260	5.0	638	120	2002/9/24	15:00:00	27.0	77.5	0.0	63	3.6	151
25	2002/9/20	16:00:00	27.5	53.7	0.0	272	4.9	423	121	2002/9/24	16:00:00	26.3	89.5	0.0	100	0.5	20
26	2002/9/20	17:00:00	24.3	68.1	0.0	277	2.4	36	122	2002/9/24	17:00:00	25.3	89.1	0.0	331	0.7	55
27	2002/9/20	18:00:00	21.3	82.3	0.0	181	1.0	7	123	2002/9/24	18:00:00	24.7	92.9	0.0	148	0.7	3
28	2002/9/20	19:00:00	19.2	92.3	0.0	147	0.3	0	124	2002/9/24	19:00:00	24.2	95.0	0.0	270	1.1	0
29	2002/9/20	20:00:00	18.5	93.9	0.0	257	0.0	0	125	2002/9/24	20:00:00	23.8	95.8	0.0	91	0.7	0
30	2002/9/20	21:00:00	17.6	96.6	0.0	99	0.0	0	126	2002/9/24	21:00:00	23.8	96.2	0.0	95	0.0	0
31	2002/9/20	22:00:00	16.8	97.0	0.0	24	0.0	0	127	2002/9/24	22:00:00	23.5	96.7	0.0	88	0.6	0
32	2002/9/20	23:00:00	16.6	97.7	0.0	87	0.0	0	128	2002/9/24	23:00:00	23.4	97.0	0.0	63	0.6	0
33	2002/9/21	00:00:00	16.7	97.4	0.0	51	0.0	0	129	2002/9/25	00:00:00	23.2	97.0	0.0	50	0.6	0
34	2002/9/21	01:00:00	17.1	98.2	0.0	306	1.4	0	130	2002/9/25	01:00:00	23.1	96.7	0.0	65	0.4	0
35	2002/9/21	02:00:00	16.5	96.7	0.0	146	0.6	0	131	2002/9/25	02:00:00	22.8	97.3	0.0	63	0.3	0
36	2002/9/21	03:00:00	16.4	98.1	0.0	298	0.0	0	132	2002/9/25	03:00:00	22.6	97.0	0.0	48	0.0	0
37	2002/9/21	04:00:00	16.6	98.3	0.0	107	0.0	0	133	2002/9/25	04:00:00	22.4	96.7	0.0	67	0.6	0
38	2002/9/21	05:00:00	16.9	97.7	0.0	322	0.6	0	134	2002/9/25	05:00:00	22.5	97.0	0.0	31	0.0	0
39	2002/9/21	06:00:00	16.9	97.7	0.0	88	0.0	3	135	2002/9/25	06:00:00	22.1	96.3	0.0	252	1.7	5
40	2002/9/21	07:00:00	17.4	97.2	0.0	1	0.2	59	136	2002/9/25	07:00:00	22.7	95.0	0.0	305	0.0	96
41	2002/9/21	08:00:00	19.5	90.7	0.0	35	0.0	141	137	2002/9/25	08:00:00	24.3	86.9	0.0	259	3.4	384
42	2002/9/21	09:00:00	23.6	75.2	0.0	7	1.8	755	138	2002/9/25	09:00:00	25.5	80.7	0.0	238	2.4	336
43	2002/9/21	10:00:00	25.2	66.4	0.0	72	5.1	346	139	2002/9/25	10:00:00	26.5	81.1	0.0	252	3.6	428
44	2002/9/21	11:00:00	25.3	68.7	0.0	90	4.0	373	140	2002/9/25	11:00:00	27.5	78.2	0.0	251	3.8	389
45	2002/9/21	12:00:00	26.0	65.6	0.0	107	4.9	375	141	2002/9/25	12:00:00	26.5	80.8	0.0	109	3.6	329
46	2002/9/21	13:00:00	24.9	71.6	0.0	106	4.8	441	142	2002/9/25	13:00:00	27.0	78.2	0.0	98	2.8	323
47	2002/9/21	14:00:00	24.4	69.7	0.0	47	2.7	280	143	2002/9/25	14:00:00	27.6	74.7	0.0	292	2.1	464
48	2002/9/21	15:00:00	23.7	73.3	0.0	347	2.5	157	144	2002/9/25	15:00:00	25.5	82.9	0.0	98	4.4	136
49	2002/9/21	16:00:00	23.4	70.6	0.0	58	3.9	102	145	2002/9/25	16:00:00	25.3	85.2	0.0	50	2.3	106
50	2002/9/21	17:00:00	23.2	73.6	0.0	93	3.0	64	146	2002/9/25	17:00:00	24.5	89.1	0.0	309	2.2	20
51	2002/9/21	18:00:00	21.5	87.8	0.0	52	2.1	4	147	2002/9/25	18:00:00	23.9	93.8	0.0	268	1.1	1
52	2002/9/21	19:00:00	20.6	88.1	0.0	225	0.8	0	148	2002/9/25	19:00:00	23.0	95.1	0.0	228	0.7	0
53	2002/9/21	20:00:00	20.2	93.6	0.0	172	0.9	0	149	2002/9/25	20:00:00	22.9	96.0	0.0	111	1.1	0
54	2002/9/21	21:00:00	20.0	95.8	0.6	119	1.3	0	150	2002/9/25	21:00:00	22.7	95.8	0.0	83	0.9	0
55	2002/9/21	22:00:00	20.0	96.7	0.4	3	0.0	0	151	2002/9/25	22:00:00	22.5	96.4	0.0	87	0.8	0
56	2002/9/21	23:00:00	20.0	96.8	0.0	317	0.6	0	152	2002/9/25	23:00:00	22.5	95.3	0.0	137	1.0	0
57	2002/9/22	00:00:00	19.9	97.3	0.0	83	1.0	0	153	2002/9/26	00:00:00	22.3	95.5	0.0	127	1.4	0
58	2002/9/22	01:00:00	19.8	96.2	0.0	93	1.1	0	154	2002/9/26	01:00:00	22.1	96.4	0.0	349	0.3	0
59	2002/9/22	02:00:00	19.6	96.7	0.0	73	0.5	0	155	2002/9/26	02:00:00	22.1	96.0	0.0	116	1.2	0
60	2002/9/22	03:00:00	19.8	97.4	0.0	81	0.0	0	156	2002/9/26	03:00:00	22.1	95.6	0.0	204	0.0	0
61	2002/9/22	04:00:00	19.5	97.2	0.0	41	0.0	0	157	2002/9/26	04:00:00	21.9	97.3	0.0	70	0.0	0
62	2002/9/22	05:00:00	19.6	97.5	0.0	45	0.0	0	158	2002/9/26	05:00:00	21.8	97.1	0.0	109	1.3	0
63	2002/9/22	06:00:00	19.5	97.5	0.0	16	0.0	3	159	2002/9/26	06:00:00	21.8	96.3	0.0	102	0.7	2
64	2002/9/22	07:00:00	20.4	93.3	0.0	60	0.0	94	160	2002/9/26	07:00:00	21.9	96.2	0.0	119	0.8	41
65	2002/9/22	08:00:00	23.9	78.4	0.0	6	0.4	475	161	2002/9/26	08:00:00	22.3	95.1	0.0	70	1.7	74
66	2002/9/22	09:00:00	24.7	68.6	0.0	62	3.9	702	162	2002/9/26	09:00:00	22.9	93.1	0.0	17	2.2	112
67	2002/9/22	10:00:00	25.4	62.9	0.0	54	4.3	945	163	2002/9/26	10:00:00	22.4	90.7	0.0	4	3.2	178
68	2002/9/22	11:00:00	26.2	60.6	0.0	44	4.2	1197	164	2002/9/26	11:00:00	22.6	89.6	0.0	24	3.1	193
69	2002/9/22	12:00:00	28.6	56.9	0.0	92	5.5	445	165	2002/9/26	12:00:00	22.6	90.7	0.0	41	3.7	221
70	2002/9/22	13:00:00	26.2	59.8	0.0	130	4.3	389	166	2002/9/26	13:00:00	22.4	86.7	0.0	60	3.8	165
71	2002/9/22	14:00:00															

APPENDIX 3 Weather observation data in Namosi area (4)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
193	2002/9/27	16:00:00	24.5	58.9	0.0	77	6.7	461	289	2002/10/1	16:00:00	27.2	61.6	0.0	95	5.6	154
194	2002/9/27	17:00:00	22.8	68.2	0.0	68	5.4	71	290	2002/10/1	17:00:00	26.0	68.7	0.0	111	7.0	58
195	2002/9/27	18:00:00	21.3	71.1	0.0	60	3.3	7	291	2002/10/1	18:00:00	24.6	74.0	0.0	104	4.5	3
196	2002/9/27	19:00:00	18.3	90.8	0.0	95	0.9	0	292	2002/10/1	19:00:00	23.9	77.8	0.0	107	5.4	0
197	2002/9/27	20:00:00	17.8	92.6	0.0	120	1.3	0	293	2002/10/1	20:00:00	23.1	82.0	0.0	81	3.8	0
198	2002/9/27	21:00:00	16.9	96.5	0.0	111	0.6	0	294	2002/10/1	21:00:00	21.6	91.1	0.0	113	1.6	0
199	2002/9/27	22:00:00	17.6	96.5	0.0	87	1.0	0	295	2002/10/1	22:00:00	21.0	93.6	0.0	75	1.6	0
200	2002/9/27	23:00:00	17.9	96.1	0.0	61	0.8	0	296	2002/10/1	23:00:00	20.9	94.9	0.0	49	1.6	0
201	2002/9/28	00:00:00	17.2	95.8	0.0	93	1.1	0	297	2002/10/2	00:00:00	20.7	95.2	0.0	89	1.0	0
202	2002/9/28	01:00:00	16.3	96.0	0.0	102	0.8	0	298	2002/10/2	01:00:00	20.4	96.2	0.0	222	0.7	0
203	2002/9/28	02:00:00	16.9	97.2	0.0	58	0.8	0	299	2002/10/2	02:00:00	19.9	96.8	0.0	135	0.4	0
204	2002/9/28	03:00:00	16.4	97.4	0.0	61	0.7	0	300	2002/10/2	03:00:00	19.4	97.0	0.0	106	0.5	0
205	2002/9/28	04:00:00	16.6	97.6	0.0	17	0.6	0	301	2002/10/2	04:00:00	19.2	97.5	0.0	76	1.1	0
206	2002/9/28	05:00:00	16.5	97.9	0.0	344	0.4	0	302	2002/10/2	05:00:00	19.1	97.8	0.0	58	0.8	0
207	2002/9/28	06:00:00	16.3	98.0	0.0	136	0.0	10	303	2002/10/2	06:00:00	19.0	97.9	0.0	91	0.7	9
208	2002/9/28	07:00:00	17.0	98.1	0.0	24	0.2	142	304	2002/10/2	07:00:00	19.3	97.9	0.0	6	0.3	28
209	2002/9/28	08:00:00	21.7	79.1	0.0	41	1.5	441	305	2002/10/2	08:00:00	22.2	92.6	0.0	29	1.0	152
210	2002/9/28	09:00:00	24.7	58.7	0.0	65	3.5	651	306	2002/10/2	09:00:00	26.4	69.1	0.0	89	3.1	718
211	2002/9/28	10:00:00	24.1	58.6	0.0	76	4.7	333	307	2002/10/2	10:00:00	27.2	64.1	0.0	106	4.4	439
212	2002/9/28	11:00:00	24.9	53.4	0.0	74	5.8	302	308	2002/10/2	11:00:00	28.8	56.7	0.0	101	4.1	1096
213	2002/9/28	12:00:00	24.1	63.1	0.0	106	5.7	351	309	2002/10/2	12:00:00	29.6	58.6	0.0	74	4.2	668
214	2002/9/28	13:00:00	24.0	62.2	0.0	87	5.9	319	310	2002/10/2	13:00:00	30.6	49.6	0.0	69	3.2	971
215	2002/9/28	14:00:00	24.6	63.4	0.0	61	3.7	326	311	2002/10/2	14:00:00	29.6	49.1	0.0	71	4.9	398
216	2002/9/28	15:00:00	24.4	61.2	0.0	96	3.4	256	312	2002/10/2	15:00:00	29.3	58.7	0.0	69	5.0	302
217	2002/9/28	16:00:00	23.7	67.0	0.0	96	3.9	150	313	2002/10/2	16:00:00	28.2	68.1	0.0	77	4.9	351
218	2002/9/28	17:00:00	23.5	67.9	0.0	92	4.9	85	314	2002/10/2	17:00:00	26.5	75.9	0.0	82	4.5	83
219	2002/9/28	18:00:00	21.9	79.0	0.0	51	1.1	5	315	2002/10/2	18:00:00	25.6	78.7	0.0	90	3.3	7
220	2002/9/28	19:00:00	20.5	89.4	0.0	79	0.7	0	316	2002/10/2	19:00:00	24.7	82.8	0.0	84	1.2	0
221	2002/9/28	20:00:00	20.2	89.6	0.0	35	0.6	0	317	2002/10/2	20:00:00	23.2	91.9	0.0	12	0.3	0
222	2002/9/28	21:00:00	19.5	92.7	0.0	170	0.4	0	318	2002/10/2	21:00:00	22.1	94.2	0.0	94	0.5	0
223	2002/9/28	22:00:00	19.5	93.9	0.0	165	0.2	0	319	2002/10/2	22:00:00	21.1	95.4	0.0	86	0.5	0
224	2002/9/28	23:00:00	19.4	95.1	0.0	79	0.5	0	320	2002/10/2	23:00:00	21.2	96.6	0.0	78	0.0	0
225	2002/9/29	00:00:00	18.6	95.6	0.0	69	0.5	0	321	2002/10/3	00:00:00	21.0	96.5	0.0	359	0.7	0
226	2002/9/29	01:00:00	18.4	96.6	0.0	198	0.2	0	322	2002/10/3	01:00:00	20.7	97.3	0.0	168	0.6	0
227	2002/9/29	02:00:00	18.0	97.2	0.0	55	0.5	0	323	2002/10/3	02:00:00	20.4	97.5	0.0	35	1.0	0
228	2002/9/29	03:00:00	17.6	97.7	0.0	123	0.3	0	324	2002/10/3	03:00:00	20.0	97.6	0.0	36	0.9	0
229	2002/9/29	04:00:00	17.9	97.7	0.0	113	1.1	0	325	2002/10/3	04:00:00	20.1	97.6	0.0	9	0.9	0
230	2002/9/29	05:00:00	18.1	97.4	0.0	8	0.4	0	326	2002/10/3	05:00:00	20.2	97.8	0.0	18	0.4	0
231	2002/9/29	06:00:00	17.7	97.2	0.0	102	0.6	7	327	2002/10/3	06:00:00	20.0	97.8	0.0	67	0.1	14
232	2002/9/29	07:00:00	19.3	95.3	0.0	46	1.0	86	328	2002/10/3	07:00:00	20.4	97.7	0.0	351	0.7	103
233	2002/9/29	08:00:00	23.8	72.7	0.0	48	2.7	255	329	2002/10/3	08:00:00	22.1	95.6	0.0	125	1.3	261
234	2002/9/29	09:00:00	23.6	69.6	0.0	56	6.0	162	330	2002/10/3	09:00:00	26.2	71.0	0.0	22	3.4	235
235	2002/9/29	10:00:00	25.6	65.7	0.0	92	5.8	423	331	2002/10/3	10:00:00	26.8	64.6	0.0	89	3.1	422
236	2002/9/29	11:00:00	24.8	66.6	0.0	88	7.5	293	332	2002/10/3	11:00:00	28.1	61.9	0.0	51	4.1	1215
237	2002/9/29	12:00:00	24.2	66.5	0.0	99	7.1	286	333	2002/10/3	12:00:00	28.0	60.1	0.0	110	4.8	257
238	2002/9/29	13:00:00	23.7	69.0	0.0	78	3.4	181	334	2002/10/3	13:00:00	27.9	62.0	0.0	95	4.5	314
239	2002/9/29	14:00:00	23.7	70.3	0.0	96	3.0	242	335	2002/10/3	14:00:00	27.2	66.5	0.0	93	6.0	494
240	2002/9/29	15:00:00	23.0	79.4	0.0	339	1.5	258	336	2002/10/3	15:00:00	26.2	69.4	0.0	113	4.6	397
241	2002/9/29	16:00:00	23.1	77.7	0.0	64	1.7	107	337	2002/10/3	16:00:00	25.4	71.1	0.0	66	4.9	124
242	2002/9/29	17:00:00	21.3	89.1	0.0	43	1.4	62	338	2002/10/3	17:00:00	24.7	73.6	0.0	85	3.9	73
243	2002/9/29	18:00:00	20.8	91.4	0.0	55	3.8	2	339	2002/10/3	18:00:00	23.9	76.9	0.0	80	2.0	10
244	2002/9/29	19:00:00	20.4	94.9	0.0	93	0.5	0	340	2002/10/3	19:00:00	22.8	85.8	0.0	90	0.8	0
245	2002/9/29	20:00:00	20.2	96.3	0.0	46	1.3	0	341	2002/10/3	20:00:00	22.2	90.1	0.0	63	1.0	0
246	2002/9/29	21:00:00	20.2	98.1	0.0	83	1.0	0	342	2002/10/3	21:00:00	22.0	92.6	0.0	41	0.8	0
247	2002/9/29	22:00:00	20.2	96.3	0.2	99	0.7	0	343	2002/10/3	22:00:00	21.9	93.3	0.0	26	0.7	0
248	2002/9/29	23:00:00	20.2	96.6	0.0	88	0.5	0	344	2002/10/3	23:00:00	21.8	94.5	0.0	119	0.4	0
249	2002/9/30	00:00:00	20.3	96.6	0.0	87	0.8	0	345	2002/10/4	00:00:00	21.6	95.9	0.0	256	0.1	0
250	2002/9/30	01:00:00	20.4	96.6	0.0	70	0.6	0	346	2002/10/4	01:00:00	21.5	96.6	0.4	310	0.8	0
251	2002/9/30	02:00:00	20.4	97.1	0.0	43	1.3	0	347	2002/10/4	02:00:00	21.5	96.6	0.0	42	0.6	0
252	2002/9/30	03:00:00	20.4	97.0	0.0	92	0.7	0	348	2002/10/4	03:00:00	21.5	96.5	0.0	47	0.4	0
253	2002/9/30	04:00:00	20.3	97.1	0.0	92	0.9	0	349	2002/10/4	04:00:00	21.4	96.7	0.2	55	0.2	0
254	2002/9/30	05:00:00	20.1	97.0	0.0	96	1.1	0	350	2002/10/4	05:00:00	21.5	96.7	0.0	79	0.6	0
255	2002/9/30	06:00:00	19.9	97.1	0.0	79	1.0	6	351	2002/10/4	06:00:00	21.4	96.9	0.0	24	0.7	6
256	2002/9/30	07:00:00	20.5	96.1	0.0	62	1.3	56	352	2002/10/4	07:00:00	21.8	96.6	0.0	36	0.5	47
257	2002/9/30	08:00:00	22.3	89.6	0.0	84	0.0	222	353	2002/10/4	08:00:00	23.2	89.8	0.0	75	1.1	188
258	2002/9/30	09:00:00	24.0	77.4	0.0	72	5.4	231	354	2002/10/4	09:00:00	24.9	77.3	0.0	28	0.9	271
259	2002/9/30	10:00:00	25.4	69.1	0.0	90	4.7	383	355	2002/10/4	10:00:00	25.2	79.5	0.0	45	2.6	276
260	2002/9/30	11:00:00	26.2	62.0	0.0	92	7.4	507	356	2002/10/4	11:00:00	23.8	88.1	0.0	65	2.9	257
261	2002/9/30	12:00:00	26.6	63.2	0.0	93	7.5	374	357	2002/10/4	12:00:00	24.9	79.9	0.0	16	3.2	469
262	2002/9/30	13:00:00	26.4	66.4	0.0	100	6.4	441	358	2002/10/4	13:00:00	26.8	73.0	0			



APPENDIX 3 Weather observation data in Namosi area (5)

No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2	No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2
385	2002/10/5	16:00:00	22.5	87.3	0.0	100	2.2	131	481	2002/10/9	16:00:00	21.3	78.0	0.0	36	3.0	94
386	2002/10/5	17:00:00	21.8	92.7	0.0	55	0.7	30	482	2002/10/9	17:00:00	20.6	77.0	0.0	83	3.4	51
387	2002/10/5	18:00:00	21.5	94.4	0.0	27	1.0	1	483	2002/10/9	18:00:00	19.6	83.8	0.0	84	2.4	9
388	2002/10/5	19:00:00	21.0	95.4	0.0	46	0.8	0	484	2002/10/9	19:00:00	18.6	93.2	0.0	88	0.8	0
389	2002/10/5	20:00:00	20.9	95.7	0.0	27	0.8	0	485	2002/10/9	20:00:00	18.4	94.5	0.0	321	1.1	0
390	2002/10/5	21:00:00	20.8	96.1	0.0	39	0.6	0	486	2002/10/9	21:00:00	18.1	95.7	0.0	85	1.7	0
391	2002/10/5	22:00:00	20.8	96.1	0.0	85	0.8	0	487	2002/10/9	22:00:00	18.0	94.9	0.0	337	0.6	0
392	2002/10/5	23:00:00	20.6	96.1	0.0	151	0.6	0	488	2002/10/9	23:00:00	17.6	96.5	0.0	7	0.5	0
393	2002/10/6	00:00:00	20.6	96.6	0.0	118	0.4	0	489	2002/10/10	00:00:00	17.2	96.4	0.0	188	0.7	0
394	2002/10/6	01:00:00	20.6	96.8	0.0	294	0.2	0	490	2002/10/10	01:00:00	17.0	96.5	0.0	206	0.8	0
395	2002/10/6	02:00:00	20.6	96.5	0.0	234	0.8	0	491	2002/10/10	02:00:00	16.9	96.9	0.0	141	1.3	0
396	2002/10/6	03:00:00	20.6	96.4	0.0	103	1.1	0	492	2002/10/10	03:00:00	16.4	97.3	0.0	58	0.9	0
397	2002/10/6	04:00:00	20.5	96.3	0.0	80	0.8	0	493	2002/10/10	04:00:00	15.9	97.6	0.0	224	0.7	0
398	2002/10/6	05:00:00	20.3	96.0	0.0	230	0.7	0	494	2002/10/10	05:00:00	15.6	97.8	0.0	158	1.1	0
399	2002/10/6	06:00:00	20.2	96.4	0.0	123	0.2	5	495	2002/10/10	06:00:00	15.1	97.9	0.0	284	0.8	10
400	2002/10/6	07:00:00	20.5	96.4	0.0	36	0.6	58	496	2002/10/10	07:00:00	16.1	98.3	0.0	30	1.0	119
401	2002/10/6	08:00:00	21.2	94.2	0.0	84	0.6	84	497	2002/10/10	08:00:00	19.7	75.4	0.0	20	1.6	514
402	2002/10/6	09:00:00	22.2	87.8	0.0	341	1.9	222	498	2002/10/10	09:00:00	23.3	57.7	0.0	81	4.2	863
403	2002/10/6	10:00:00	23.9	79.4	0.0	32	2.4	421	499	2002/10/10	10:00:00	23.9	55.1	0.0	90	5.3	990
404	2002/10/6	11:00:00	24.7	79.9	0.0	69	4.3	486	500	2002/10/10	11:00:00	22.9	62.1	0.0	76	7.1	393
405	2002/10/6	12:00:00	23.2	81.0	0.0	22	4.6	213	501	2002/10/10	12:00:00	22.9	60.1	0.0	83	7.0	638
406	2002/10/6	13:00:00	23.2	85.1	0.0	51	4.2	251	502	2002/10/10	13:00:00	22.5	62.4	0.0	97	6.3	198
407	2002/10/6	14:00:00	22.9	86.4	0.0	37	2.9	354	503	2002/10/10	14:00:00	23.1	59.8	0.0	81	8.4	355
408	2002/10/6	15:00:00	22.9	88.0	0.0	15	3.1	185	504	2002/10/10	15:00:00	22.7	61.1	0.0	81	4.0	155
409	2002/10/6	16:00:00	21.8	91.8	0.0	12	2.1	89	505	2002/10/10	16:00:00	21.3	68.8	0.0	96	6.7	144
410	2002/10/6	17:00:00	21.7	93.5	0.0	73	1.7	31	506	2002/10/10	17:00:00	21.1	73.2	0.0	93	2.9	57
411	2002/10/6	18:00:00	21.3	94.4	0.0	51	1.5	1	507	2002/10/10	18:00:00	19.0	89.7	0.0	50	1.9	4
412	2002/10/6	19:00:00	20.9	95.7	0.0	101	1.5	0	508	2002/10/10	19:00:00	18.6	91.2	0.0	334	1.7	0
413	2002/10/6	20:00:00	20.8	95.9	0.0	87	0.9	0	509	2002/10/10	20:00:00	18.1	93.7	0.0	100	1.4	0
414	2002/10/6	21:00:00	20.7	96.5	0.0	54	0.2	0	510	2002/10/10	21:00:00	18.0	94.9	0.0	281	1.1	0
415	2002/10/6	22:00:00	20.6	96.9	0.0	49	0.6	0	511	2002/10/10	22:00:00	18.0	95.4	0.0	22	1.2	0
416	2002/10/6	23:00:00	20.7	97.0	0.0	92	1.0	0	512	2002/10/10	23:00:00	17.9	96.0	0.0	158	0.6	0
417	2002/10/7	00:00:00	20.6	96.9	0.0	131	0.6	0	513	2002/10/11	00:00:00	17.8	96.3	0.0	209	0.6	0
418	2002/10/7	01:00:00	20.7	97.0	0.0	92	1.0	0	514	2002/10/11	01:00:00	17.8	96.9	0.0	103	1.2	0
419	2002/10/7	02:00:00	20.6	96.8	0.0	69	0.8	0	515	2002/10/11	02:00:00	17.8	95.6	0.0	70	1.8	0
420	2002/10/7	03:00:00	20.5	96.9	0.0	94	1.2	0	516	2002/10/11	03:00:00	17.7	96.3	0.0	272	1.4	0
421	2002/10/7	04:00:00	20.4	96.9	0.0	107	0.9	0	517	2002/10/11	04:00:00	17.6	96.7	0.0	283	1.6	0
422	2002/10/7	05:00:00	20.3	96.5	0.0	107	1.2	0	518	2002/10/11	05:00:00	17.7	96.1	0.0	58	0.9	0
423	2002/10/7	06:00:00	20.2	96.5	0.0	121	0.5	2	519	2002/10/11	06:00:00	17.6	96.5	0.0	336	1.1	4
424	2002/10/7	07:00:00	20.3	96.2	0.0	117	1.4	96	520	2002/10/11	07:00:00	18.1	95.5	0.0	118	1.8	34
425	2002/10/7	08:00:00	21.3	91.7	0.0	63	1.4	135	521	2002/10/11	08:00:00	19.3	91.5	0.0	79	1.1	100
426	2002/10/7	09:00:00	21.7	90.2	0.0	146	1.4	146	522	2002/10/11	09:00:00	20.5	86.5	0.0	74	2.2	270
427	2002/10/7	10:00:00	23.5	77.7	0.0	321	2.6	379	523	2002/10/11	10:00:00	21.5	77.1	0.0	8	4.7	349
428	2002/10/7	11:00:00	22.4	82.9	0.0	101	5.7	240	524	2002/10/11	11:00:00	20.8	80.0	0.0	73	4.8	412
429	2002/10/7	12:00:00	21.9	83.2	0.0	116	2.5	113	525	2002/10/11	12:00:00	20.9	82.2	0.0	65	3.1	174
430	2002/10/7	13:00:00	22.0	76.4	0.0	30	6.3	530	526	2002/10/11	13:00:00	21.3	79.7	0.0	16	2.9	527
431	2002/10/7	14:00:00	25.0	67.0	0.0	3	2.8	584	527	2002/10/11	14:00:00	22.3	72.2	0.0	71	4.1	330
432	2002/10/7	15:00:00	24.3	67.9	0.0	88	2.9	239	528	2002/10/11	15:00:00	21.5	74.5	0.0	104	5.3	273
433	2002/10/7	16:00:00	22.8	85.0	0.0	131	1.1	53	529	2002/10/11	16:00:00	21.4	75.5	0.0	102	2.3	151
434	2002/10/7	17:00:00	22.2	88.7	0.0	34	0.8	59	530	2002/10/11	17:00:00	20.8	80.0	0.0	76	1.3	68
435	2002/10/7	18:00:00	21.6	93.4	0.0	87	1.4	6	531	2002/10/11	18:00:00	19.4	87.2	0.0	77	0.8	3
436	2002/10/7	19:00:00	20.8	93.4	0.0	71	1.0	0	532	2002/10/11	19:00:00	18.8	93.3	0.0	66	1.0	0
437	2002/10/7	20:00:00	20.6	94.9	0.0	120	0.9	0	533	2002/10/11	20:00:00	18.4	95.1	0.0	337	0.9	0
438	2002/10/7	21:00:00	20.5	95.6	0.0	326	0.6	0	534	2002/10/11	21:00:00	18.4	96.2	0.0	83	0.8	0
439	2002/10/7	22:00:00	20.3	96.0	0.0	17	0.8	0	535	2002/10/11	22:00:00	17.9	96.3	0.0	111	0.9	0
440	2002/10/7	23:00:00	20.2	95.9	0.0	171	1.0	0	536	2002/10/11	23:00:00	18.0	96.5	0.0	57	0.5	0
441	2002/10/8	00:00:00	20.1	96.0	0.0	21	0.7	0	537	2002/10/12	00:00:00	17.3	97.0	0.0	76	0.2	0
442	2002/10/8	01:00:00	20.2	96.0	0.0	40	0.7	0	538	2002/10/12	01:00:00	17.1	97.4	0.0	100	0.6	0
443	2002/10/8	02:00:00	20.1	96.3	0.0	66	0.7	0	539	2002/10/12	02:00:00	16.9	97.6	0.0	80	0.5	0
444	2002/10/8	03:00:00	20.1	96.7	0.0	67	0.9	0	540	2002/10/12	03:00:00	17.1	97.8	0.0	69	0.9	0
445	2002/10/8	04:00:00	20.0	96.8	0.0	27	1.0	0	541	2002/10/12	04:00:00	17.1	97.8	0.0	35	0.8	0
446	2002/10/8	05:00:00	19.9	96.5	0.0	114	1.0	0	542	2002/10/12	05:00:00	17.4	97.8	0.0	82	0.6	0
447	2002/10/8	06:00:00	19.7	96.3	0.0	165	0.8	5	543	2002/10/12	06:00:00	17.4	97.7	0.0	43	1.3	6
448	2002/10/8	07:00:00	19.7	96.3	0.0	31	1.1	28	544	2002/10/12	07:00:00	17.9	97.3	0.0	355	0.6	62
449	2002/10/8	08:00:00	19.9	96.3	0.0	16	1.4	55	545	2002/10/12	08:00:00	19.7	94.6	0.0	109	1.5	254
450	2002/10/8	09:00:00	20.6	91.7	0.0	2	2.0	159	546	2002/10/12	09:00:00	22.2	79.5	0.0	18	1.8	296
451	2002/10/8	10:00:00	21.0	89.8	0.0	34	1.9	173	547	2002/10/12	10:00:00	22.6	76.1	51.8	68	4.4	309
452	2002/10/8	11:00:00	21.0	90.5	0.0	77	1.4	162	548	2002/10/12	11:00:00	22.2	79.7	0.2	52	1.9	378
453	2002/10/8	12:00:00	21.1	91.8	0.0	4	1.3	124	549	2002/10/12	12:00:00	21.8	79.9	0.0	53	4.5	379
454	2002/10/8	13:00:00	20.														

APPENDIX 3 Weather observation data in Namosi area (6)

No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2	No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2
577	2002/10/13	16:00:00	25.4	78.5	0.0	69	4.9	63	673	2002/10/17	16:00:00	24.7	80.2	0.0	70	2.3	65
578	2002/10/13	17:00:00	24.7	83.3	0.0	53	4.1	34	674	2002/10/17	17:00:00	23.0	91.2	0.6	82	3.3	57
579	2002/10/13	18:00:00	23.7	88.2	0.0	76	1.1	6	675	2002/10/17	18:00:00	22.9	92.9	0.0	80	0.8	7
580	2002/10/13	19:00:00	23.0	92.4	0.0	73	0.6	0	676	2002/10/17	19:00:00	22.5	95.4	0.2	98	0.6	0
581	2002/10/13	20:00:00	22.0	94.8	0.0	105	1.0	0	677	2002/10/17	20:00:00	22.3	96.2	0.2	358	0.8	0
582	2002/10/13	21:00:00	21.7	94.8	0.0	242	1.2	0	678	2002/10/17	21:00:00	22.3	96.5	0.6	76	0.8	0
583	2002/10/13	22:00:00	21.3	95.2	0.0	134	1.1	0	679	2002/10/17	22:00:00	22.4	96.3	0.4	177	0.4	0
584	2002/10/13	23:00:00	20.8	96.2	0.0	333	0.6	0	680	2002/10/17	23:00:00	22.3	96.6	0.2	92	0.5	0
585	2002/10/14	00:00:00	21.0	96.2	0.0	56	0.9	0	681	2002/10/18	00:00:00	22.1	96.7	0.8	70	0.7	0
586	2002/10/14	01:00:00	20.7	96.3	0.0	281	0.7	0	682	2002/10/18	01:00:00	22.0	96.7	0.2	39	0.3	0
587	2002/10/14	02:00:00	20.4	96.4	0.0	228	1.0	0	683	2002/10/18	02:00:00	22.0	96.7	0.0	102	0.6	0
588	2002/10/14	03:00:00	20.1	96.6	0.0	216	0.4	0	684	2002/10/18	03:00:00	22.0	96.5	0.0	235	0.4	0
589	2002/10/14	04:00:00	19.9	96.7	0.0	108	0.9	0	685	2002/10/18	04:00:00	21.9	96.5	0.0	347	0.6	0
590	2002/10/14	05:00:00	20.0	97.3	0.0	174	0.6	0	686	2002/10/18	05:00:00	21.9	96.5	0.0	118	0.5	0
591	2002/10/14	06:00:00	20.0	97.1	0.0	359	0.8	8	687	2002/10/18	06:00:00	22.0	96.7	0.2	69	0.8	9
592	2002/10/14	07:00:00	20.6	96.8	0.0	42	0.7	53	688	2002/10/18	07:00:00	23.5	89.8	0.0	68	2.5	118
593	2002/10/14	08:00:00	21.8	95.1	0.0	296	1.3	134	689	2002/10/18	08:00:00	24.4	87.5	0.2	71	2.5	174
594	2002/10/14	09:00:00	24.2	84.6	0.4	31	1.8	438	690	2002/10/18	09:00:00	25.3	84.4	0.0	82	4.6	360
595	2002/10/14	10:00:00	25.6	75.4	0.0	66	3.3	532	691	2002/10/18	10:00:00	27.5	76.2	0.0	85	6.0	686
596	2002/10/14	11:00:00	27.5	69.0	0.0	85	4.8	1105	692	2002/10/18	11:00:00	28.0	71.5	0.0	84	5.1	313
597	2002/10/14	12:00:00	26.9	66.2	0.0	125	6.5	482	693	2002/10/18	12:00:00	28.1	68.3	0.0	65	7.5	712
598	2002/10/14	13:00:00	27.2	64.4	0.0	125	4.4	432	694	2002/10/18	13:00:00	26.9	75.4	0.0	79	7.1	535
599	2002/10/14	14:00:00	26.7	65.0	0.0	140	4.2	245	695	2002/10/18	14:00:00	26.5	78.3	0.0	82	7.3	388
600	2002/10/14	15:00:00	26.1	65.3	0.0	128	4.2	339	696	2002/10/18	15:00:00	26.0	80.9	0.0	96	5.6	297
601	2002/10/14	16:00:00	27.1	61.5	0.0	57	2.9	326	697	2002/10/18	16:00:00	25.5	82.9	0.0	95	5.8	102
602	2002/10/14	17:00:00	25.2	67.4	0.0	78	4.4	84	698	2002/10/18	17:00:00	24.6	86.6	0.0	76	2.6	34
603	2002/10/14	18:00:00	23.2	74.5	0.0	127	1.1	8	699	2002/10/18	18:00:00	24.1	89.2	0.0	87	4.1	2
604	2002/10/14	19:00:00	21.2	88.5	0.0	36	0.4	0	700	2002/10/18	19:00:00	23.9	90.4	0.2	72	3.1	0
605	2002/10/14	20:00:00	21.0	91.8	0.0	75	0.7	0	701	2002/10/18	20:00:00	23.8	91.1	0.2	99	3.0	0
606	2002/10/14	21:00:00	20.9	93.8	0.0	46	0.4	0	702	2002/10/18	21:00:00	23.7	91.7	0.2	100	4.4	0
607	2002/10/14	22:00:00	20.3	95.3	0.0	344	0.6	0	703	2002/10/18	22:00:00	23.6	93.3	0.0	39	1.1	0
608	2002/10/14	23:00:00	20.0	96.1	0.0	141	0.4	0	704	2002/10/18	23:00:00	23.3	95.4	0.6	24	1.2	0
609	2002/10/15	00:00:00	19.9	96.5	0.0	34	0.4	0	705	2002/10/19	00:00:00	23.4	95.3	0.2	228	0.7	0
610	2002/10/15	01:00:00	19.8	96.8	0.0	345	0.9	0	706	2002/10/19	01:00:00	23.2	96.0	0.2	86	0.4	0
611	2002/10/15	02:00:00	20.0	96.8	0.0	353	0.0	0	707	2002/10/19	02:00:00	23.1	96.5	3.6	57	0.9	0
612	2002/10/15	03:00:00	20.1	96.8	0.0	337	0.2	0	708	2002/10/19	03:00:00	22.9	96.8	1.8	329	0.8	0
613	2002/10/15	04:00:00	20.1	96.9	0.0	29	0.4	0	709	2002/10/19	04:00:00	22.9	96.8	2.2	146	0.8	0
614	2002/10/15	05:00:00	20.2	96.8	0.0	11	0.4	0	710	2002/10/19	05:00:00	22.6	96.6	4.4	110	0.3	0
615	2002/10/15	06:00:00	20.3	96.8	0.0	71	0.3	13	711	2002/10/19	06:00:00	22.2	97.0	7.8	79	0.8	3
616	2002/10/15	07:00:00	21.0	95.5	0.0	16	0.8	102	712	2002/10/19	07:00:00	21.9	96.8	2.4	79	0.9	36
617	2002/10/15	08:00:00	22.2	93.6	0.0	64	1.9	175	713	2002/10/19	08:00:00	22.7	94.3	0.4	20	1.0	139
618	2002/10/15	09:00:00	24.6	88.4	0.2	355	1.3	372	714	2002/10/19	09:00:00	23.3	91.5	0.0	108	1.4	142
619	2002/10/15	10:00:00	24.8	82.3	0.0	101	3.9	327	715	2002/10/19	10:00:00	24.2	89.8	0.2	72	1.4	137
620	2002/10/15	11:00:00	25.0	84.0	0.2	22	2.2	268	716	2002/10/19	11:00:00	25.4	85.9	0.0	32	1.8	290
621	2002/10/15	12:00:00	24.9	83.6	0.0	26	3.0	187	717	2002/10/19	12:00:00	25.4	81.4	0.2	80	3.5	238
622	2002/10/15	13:00:00	24.6	85.7	0.2	8	2.6	176	718	2002/10/19	13:00:00	24.5	86.5	0.0	92	2.5	302
623	2002/10/15	14:00:00	25.0	86.5	0.4	61	3.6	205	719	2002/10/19	14:00:00	24.0	89.7	0.4	115	2.3	91
624	2002/10/15	15:00:00	24.1	90.5	0.6	336	1.3	165	720	2002/10/19	15:00:00	23.3	92.0	2.2	42	0.9	93
625	2002/10/15	16:00:00	23.7	90.3	1.6	332	1.6	85	721	2002/10/19	16:00:00	23.9	88.5	0.2	56	1.9	195
626	2002/10/15	17:00:00	23.1	93.7	3.4	305	0.7	35	722	2002/10/19	17:00:00	23.7	87.3	0.0	93	2.4	65
627	2002/10/15	18:00:00	22.7	95.1	4.4	342	1.2	2	723	2002/10/19	18:00:00	23.1	90.1	0.0	98	1.4	5
628	2002/10/15	19:00:00	22.4	95.9	6.6	66	0.9	0	724	2002/10/19	19:00:00	23.2	87.1	0.0	109	2.4	0
629	2002/10/15	20:00:00	22.3	96.3	3.0	89	0.7	0	725	2002/10/19	20:00:00	23.4	83.0	0.0	148	3.5	0
630	2002/10/15	21:00:00	22.2	96.6	2.8	85	0.5	0	726	2002/10/19	21:00:00	23.5	84.5	0.0	108	3.4	0
631	2002/10/15	22:00:00	22.1	96.8	3.6	116	0.6	0	727	2002/10/19	22:00:00	22.4	91.8	0.0	110	1.9	0
632	2002/10/15	23:00:00	22.0	96.7	4.4	121	0.9	0	728	2002/10/19	23:00:00	21.7	94.7	0.0	122	1.2	0
633	2002/10/16	00:00:00	22.0	96.9	2.0	21	0.5	0	729	2002/10/20	00:00:00	21.8	95.2	0.0	48	1.2	0
634	2002/10/16	01:00:00	22.0	97.0	0.0	65	0.8	0	730	2002/10/20	01:00:00	21.7	95.9	0.0	64	0.8	0
635	2002/10/16	02:00:00	22.0	96.9	0.2	360	0.9	0	731	2002/10/20	02:00:00	21.7	96.3	1.2	110	0.9	0
636	2002/10/16	03:00:00	22.0	97.0	0.2	18	0.6	0	732	2002/10/20	03:00:00	21.5	95.9	1.4	17	1.7	0
637	2002/10/16	04:00:00	21.9	96.9	0.0	126	1.1	0	733	2002/10/20	04:00:00	21.6	94.2	0.2	1	3.2	0
638	2002/10/16	05:00:00	22.0	96.9	0.0	45	0.6	0	734	2002/10/20	05:00:00	21.4	95.4	0.0	42	1.4	0
639	2002/10/16	06:00:00	22.1	96.1	0.2	78	2.2	5	735	2002/10/20	06:00:00	21.2	95.6	0.2	85	1.1	4
640	2002/10/16	07:00:00	22.5	92.9	0.0	28	1.0	18	736	2002/10/20	07:00:00	21.4	95.4	0.6	70	0.9	38
641	2002/10/16	08:00:00	22.3	93.0	1.0	31	2.8	86	737	2002/10/20	08:00:00	23.3	87.9	0.0	94	1.0	349
642	2002/10/16	09:00:00	22.4	93.1	0.6	34	1.4	113	738	2002/10/20	09:00:00	23.2	89.6	0.2	54	1.1	197
643	2002/10/16	10:00:00	22.7	91.9	1.0	54	2.4	165	739	2002/10/20	10:00:00	25.4	78.1	0.0	73	4.0	385
644	2002/10/16	11:00:00	22.7	91.9	1.0	65	3.9	250	740	2002/10/20	11:00:00	26.7	71.6	0.0	67	3.5	534
645	2002/10/16	12:00:00	23.1	91.4	0.6	81	3.9	298	741	2002/10/20	12:00:00	27.6	71.				

APPENDIX 3 Weather observation data in Namosi area (7)

No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2	No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m2
769	2002/10/21	16:00:00	24.9	73.5	0.0	114	3.4	96	865	2002/10/25	16:00:00	27.6	61.6	0.0	274	6.4	230
770	2002/10/21	17:00:00	24.5	75.8	0.0	109	3.4	65	866	2002/10/25	17:00:00	26.1	68.6	0.0	251	5.7	89
771	2002/10/21	18:00:00	23.4	88.5	0.0	60	1.2	5	867	2002/10/25	18:00:00	25.2	72.9	0.0	243	4.0	4
772	2002/10/21	19:00:00	22.6	92.2	0.0	55	0.7	0	868	2002/10/25	19:00:00	24.3	73.2	0.0	263	3.6	0
773	2002/10/21	20:00:00	22.2	94.2	0.0	99	0.6	0	869	2002/10/25	20:00:00	22.2	88.2	0.0	91	0.7	0
774	2002/10/21	21:00:00	22.0	95.0	0.0	74	0.6	0	870	2002/10/25	21:00:00	21.7	91.4	0.0	259	0.9	0
775	2002/10/21	22:00:00	21.8	95.5	0.0	121	0.7	0	871	2002/10/25	22:00:00	22.1	91.3	0.0	34	1.1	0
776	2002/10/21	23:00:00	21.8	96.2	0.0	39	0.8	0	872	2002/10/25	23:00:00	22.3	92.4	0.0	279	0.7	0
777	2002/10/22	00:00:00	21.7	96.0	0.0	30	0.7	0	873	2002/10/26	00:00:00	22.0	93.8	0.0	66	0.6	0
778	2002/10/22	01:00:00	21.8	96.1	0.2	116	0.5	0	874	2002/10/26	01:00:00	22.1	92.0	0.0	276	0.5	0
779	2002/10/22	02:00:00	21.7	96.3	0.0	91	0.7	0	875	2002/10/26	02:00:00	21.8	93.0	0.0	265	0.7	0
780	2002/10/22	03:00:00	21.8	96.5	0.0	40	0.6	0	876	2002/10/26	03:00:00	21.6	91.9	0.0	238	1.1	0
781	2002/10/22	04:00:00	21.8	96.5	0.0	87	0.7	0	877	2002/10/26	04:00:00	21.3	94.4	0.0	186	0.7	0
782	2002/10/22	05:00:00	21.7	96.5	0.0	33	0.5	0	878	2002/10/26	05:00:00	20.5	95.9	0.0	194	0.9	0
783	2002/10/22	06:00:00	21.9	96.3	0.0	42	1.8	13	879	2002/10/26	06:00:00	19.9	96.0	0.0	70	3.7	25
784	2002/10/22	07:00:00	23.2	89.6	0.0	89	4.2	119	880	2002/10/26	07:00:00	22.7	85.0	0.0	298	0.6	342
785	2002/10/22	08:00:00	24.0	83.7	0.0	114	4.7	184	881	2002/10/26	08:00:00	24.9	66.7	0.0	284	3.1	696
786	2002/10/22	09:00:00	25.1	78.8	0.0	111	6.3	268	882	2002/10/26	09:00:00	25.5	64.3	0.0	253	3.2	418
787	2002/10/22	10:00:00	25.2	76.3	0.0	49	4.4	187	883	2002/10/26	10:00:00	27.0	59.4	0.0	45	2.5	428
788	2002/10/22	11:00:00	26.5	73.3	0.0	105	5.7	503	884	2002/10/26	11:00:00	28.4	53.7	0.0	31	2.7	1055
789	2002/10/22	12:00:00	26.2	74.1	0.0	77	2.7	483	885	2002/10/26	12:00:00	29.3	58.3	0.0	19	2.6	1015
790	2002/10/22	13:00:00	25.9	75.2	0.0	91	4.1	130	886	2002/10/26	13:00:00	29.7	49.8	0.0	71	5.0	1001
791	2002/10/22	14:00:00	26.0	74.8	0.0	102	5.7	154	887	2002/10/26	14:00:00	29.8	53.5	0.0	98	4.4	871
792	2002/10/22	15:00:00	26.2	78.6	0.0	103	3.9	202	888	2002/10/26	15:00:00	27.1	61.8	0.0	119	7.3	147
793	2002/10/22	16:00:00	26.2	76.1	0.0	109	4.9	99	889	2002/10/26	16:00:00	25.7	66.1	0.0	130	4.6	113
794	2002/10/22	17:00:00	24.4	84.0	0.0	114	7.3	27	890	2002/10/26	17:00:00	24.8	69.1	0.0	102	3.9	127
795	2002/10/22	18:00:00	24.2	85.2	0.0	125	5.6	1	891	2002/10/26	18:00:00	23.5	75.2	0.0	141	2.9	10
796	2002/10/22	19:00:00	23.8	88.9	0.0	115	6.0	0	892	2002/10/26	19:00:00	23.0	79.1	0.0	129	1.7	0
797	2002/10/22	20:00:00	24.3	80.9	0.0	94	6.1	0	893	2002/10/26	20:00:00	22.2	83.6	0.0	53	1.4	0
798	2002/10/22	21:00:00	23.5	89.5	0.0	138	2.1	0	894	2002/10/26	21:00:00	20.6	92.6	0.0	235	0.7	0
799	2002/10/22	22:00:00	23.4	88.2	0.0	273	1.6	0	895	2002/10/26	22:00:00	20.2	94.5	0.0	26	0.5	0
800	2002/10/22	23:00:00	22.7	93.2	0.0	338	1.3	0	896	2002/10/26	23:00:00	19.6	95.1	0.0	132	0.4	0
801	2002/10/23	00:00:00	22.8	93.2	2.8	79	4.5	0	897	2002/10/27	00:00:00	19.2	96.4	0.0	159	0.6	0
802	2002/10/23	01:00:00	22.8	93.8	2.2	92	2.6	0	898	2002/10/27	01:00:00	19.1	97.0	0.0	27	0.3	0
803	2002/10/23	02:00:00	23.3	90.5	0.2	68	4.6	0	899	2002/10/27	02:00:00	18.8	97.1	0.0	139	0.6	0
804	2002/10/23	03:00:00	24.2	86.1	0.0	77	6.0	0	900	2002/10/27	03:00:00	18.5	97.3	0.0	147	0.5	0
805	2002/10/23	04:00:00	24.8	82.4	0.0	90	6.4	0	901	2002/10/27	04:00:00	18.4	97.6	0.0	14	1.0	0
806	2002/10/23	05:00:00	24.9	80.8	0.0	88	6.4	0	902	2002/10/27	05:00:00	18.5	97.6	0.0	64	0.5	0
807	2002/10/23	06:00:00	25.5	78.4	0.0	81	6.5	24	903	2002/10/27	06:00:00	18.4	97.7	0.0	25	0.4	27
808	2002/10/23	07:00:00	25.9	77.8	0.0	83	7.8	96	904	2002/10/27	07:00:00	19.3	97.7	0.0	23	0.5	91
809	2002/10/23	08:00:00	27.9	67.7	0.0	76	3.9	250	905	2002/10/27	08:00:00	21.3	90.1	0.0	51	1.5	142
810	2002/10/23	09:00:00	27.5	74.7	0.0	93	4.1	266	906	2002/10/27	09:00:00	26.1	68.4	0.0	63	6.1	929
811	2002/10/23	10:00:00	28.2	74.9	0.0	111	5.5	399	907	2002/10/27	10:00:00	26.7	65.3	0.0	88	4.7	787
812	2002/10/23	11:00:00	29.1	68.3	0.0	77	2.6	668	908	2002/10/27	11:00:00	28.0	52.3	0.0	82	4.6	1123
813	2002/10/23	12:00:00	30.9	55.4	0.0	18	4.4	985	909	2002/10/27	12:00:00	28.4	52.9	0.0	56	5.3	508
814	2002/10/23	13:00:00	31.3	54.8	0.0	320	4.9	871	910	2002/10/27	13:00:00	27.7	57.3	0.0	83	7.0	1206
815	2002/10/23	14:00:00	30.8	57.2	0.0	48	5.5	1030	911	2002/10/27	14:00:00	27.9	58.0	0.0	77	5.4	289
816	2002/10/23	15:00:00	31.4	55.7	0.0	70	5.1	704	912	2002/10/27	15:00:00	27.4	59.9	0.0	123	4.2	923
817	2002/10/23	16:00:00	29.6	61.8	0.0	88	3.9	188	913	2002/10/27	16:00:00	25.7	65.8	0.0	86	6.7	120
818	2002/10/23	17:00:00	27.9	69.9	0.0	114	5.5	110	914	2002/10/27	17:00:00	25.2	67.5	0.0	83	4.2	74
819	2002/10/23	18:00:00	26.4	80.5	0.0	81	2.4	7	915	2002/10/27	18:00:00	23.8	71.1	0.0	132	2.5	9
820	2002/10/23	19:00:00	25.0	88.0	0.0	233	1.1	0	916	2002/10/27	19:00:00	21.3	85.9	0.0	112	0.8	0
821	2002/10/23	20:00:00	24.4	90.8	0.0	128	1.2	0	917	2002/10/27	20:00:00	20.8	90.5	0.0	272	0.5	0
822	2002/10/23	21:00:00	23.9	93.0	0.0	235	0.8	0	918	2002/10/27	21:00:00	20.8	92.0	0.0	92	0.7	0
823	2002/10/23	22:00:00	23.9	94.5	0.0	305	1.5	0	919	2002/10/27	22:00:00	20.9	92.5	0.0	121	0.4	0
824	2002/10/23	23:00:00	23.7	94.8	0.0	61	1.1	0	920	2002/10/27	23:00:00	20.7	94.1	0.0	337	0.5	0
825	2002/10/24	00:00:00	23.8	94.6	0.0	267	1.2	0	921	2002/10/28	00:00:00	19.6	95.1	0.0	150	0.3	0
826	2002/10/24	01:00:00	23.5	95.3	0.0	12	0.8	0	922	2002/10/28	01:00:00	18.8	96.0	0.0	8	0.2	0
827	2002/10/24	02:00:00	23.2	95.7	0.0	122	1.1	0	923	2002/10/28	02:00:00	18.7	96.8	0.0	31	0.5	0
828	2002/10/24	03:00:00	23.4	96.1	0.0	51	0.9	0	924	2002/10/28	03:00:00	18.6	97.1	0.0	114	0.4	0
829	2002/10/24	04:00:00	23.0	96.2	0.0	102	0.9	0	925	2002/10/28	04:00:00	18.1	97.3	0.0	128	1.0	0
830	2002/10/24	05:00:00	22.7	96.6	0.0	201	0.7	0	926	2002/10/28	05:00:00	18.1	97.4	0.0	74	0.5	0
831	2002/10/24	06:00:00	22.5	96.8	0.0	71	1.7	29	927	2002/10/28	06:00:00	18.0	97.6	0.0	67	0.4	24
832	2002/10/24	07:00:00	23.1	96.7	0.0	125	0.6	107	928	2002/10/28	07:00:00	18.8	97.3	0.0	41	0.5	87
833	2002/10/24	08:00:00	25.3	82.0	0.0	229	1.7	153	929	2002/10/28	08:00:00	23.4	77.7	0.0	30	2.0	559
834	2002/10/24	09:00:00	26.9	71.6	0.0	237	6.4	254	930	2002/10/28	09:00:00	25.3	65.3	0.0	93	5.7	1068
835	2002/10/24	10:00:00	29.3	65.3	0.0	232	6.3	1074	931	2002/10/28	10:00:00	25.2	62.6	0.0	104	5.7	358
836	2002/10/24	11:00:00	30.7	57.4	0.0	261	5.8	342	932	2002/10/28	11:00:00	27.9	61.6	0.0	113	5.3	1158
837	2002/10/24	12:00:00	31.9	51.1	0.0	230	6.2	1121	933								

APPENDIX 3 Weather observation data in Namosi area (8)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
961	2002/10/29	16:00:00	25.7	91.7	8.0	296	3.8	110	1057	2002/11/2	16:00:00	25.1	82.1	0.0	66	4.9	185
962	2002/10/29	17:00:00	25.9	89.9	0.0	270	2.7	45	1058	2002/11/2	17:00:00	24.7	84.0	0.0	64	2.8	95
963	2002/10/29	18:00:00	25.3	90.7	0.0	247	2.3	5	1059	2002/11/2	18:00:00	24.4	84.9	0.0	64	2.1	10
964	2002/10/29	19:00:00	24.9	90.1	0.0	318	2.2	0	1060	2002/11/2	19:00:00	23.8	87.9	0.0	89	2.1	0
965	2002/10/29	20:00:00	24.1	92.8	0.0	129	0.8	0	1061	2002/11/2	20:00:00	23.7	90.3	0.0	21	1.5	0
966	2002/10/29	21:00:00	23.9	94.6	0.0	43	1.2	0	1062	2002/11/2	21:00:00	23.3	92.9	0.0	77	0.7	0
967	2002/10/29	22:00:00	23.2	95.2	0.0	264	1.1	0	1063	2002/11/2	22:00:00	23.1	94.7	0.0	71	0.6	0
968	2002/10/29	23:00:00	22.5	95.8	0.0	230	0.7	0	1064	2002/11/2	23:00:00	22.8	95.8	0.0	36	0.3	0
969	2002/10/30	00:00:00	21.9	96.6	0.0	327	0.5	0	1065	2002/11/3	00:00:00	22.7	96.2	0.2	31	0.4	0
970	2002/10/30	01:00:00	21.4	96.9	0.0	31	0.9	0	1066	2002/11/3	01:00:00	22.8	96.1	0.0	34	0.1	0
971	2002/10/30	02:00:00	21.0	97.2	0.0	14	0.5	0	1067	2002/11/3	02:00:00	22.8	96.2	0.0	58	0.6	0
972	2002/10/30	03:00:00	21.1	97.4	0.0	38	0.3	0	1068	2002/11/3	03:00:00	22.7	96.4	0.4	38	0.3	0
973	2002/10/30	04:00:00	21.4	97.3	0.0	298	0.5	0	1069	2002/11/3	04:00:00	22.6	96.6	1.0	73	0.1	0
974	2002/10/30	05:00:00	21.3	97.4	0.0	10	0.9	0	1070	2002/11/3	05:00:00	22.7	96.7	3.2	29	0.0	0
975	2002/10/30	06:00:00	21.3	97.5	0.0	327	1.0	18	1071	2002/11/3	06:00:00	22.7	96.8	1.0	27	0.7	14
976	2002/10/30	07:00:00	21.5	97.3	0.0	323	1.5	125	1072	2002/11/3	07:00:00	23.3	95.5	0.2	256	1.2	174
977	2002/10/30	08:00:00	25.2	84.4	0.0	345	2.1	490	1073	2002/11/3	08:00:00	25.7	84.1	0.0	312	1.0	288
978	2002/10/30	09:00:00	27.5	74.9	0.0	10	2.3	276	1074	2002/11/3	09:00:00	28.9	73.4	0.0	330	2.7	1011
979	2002/10/30	10:00:00	29.1	65.8	0.0	324	2.4	952	1075	2002/11/3	10:00:00	29.6	67.0	0.0	58	2.9	843
980	2002/10/30	11:00:00	30.3	62.0	0.0	82	4.0	441	1076	2002/11/3	11:00:00	30.0	67.3	0.0	256	1.8	1096
981	2002/10/30	12:00:00	30.9	63.2	0.0	101	4.8	368	1077	2002/11/3	12:00:00	25.6	91.7	4.6	17	1.8	193
982	2002/10/30	13:00:00	25.5	94.8	7.6	339	3.1	149	1078	2002/11/3	13:00:00	25.5	86.1	3.4	57	2.2	408
983	2002/10/30	14:00:00	23.1	96.7	15.6	30	2.5	58	1079	2002/11/3	14:00:00	25.0	87.8	0.0	70	3.0	70
984	2002/10/30	15:00:00	23.1	96.9	7.8	78	1.1	71	1080	2002/11/3	15:00:00	24.1	93.9	1.6	253	1.0	16
985	2002/10/30	16:00:00	23.4	97.1	0.0	253	1.4	35	1081	2002/11/3	16:00:00	24.1	89.5	0.8	270	3.4	139
986	2002/10/30	17:00:00	23.1	97.1	0.2	249	1.5	20	1082	2002/11/3	17:00:00	24.2	91.2	0.0	58	1.4	200
987	2002/10/30	18:00:00	23.2	97.3	0.2	253	1.4	29	1083	2002/11/3	18:00:00	23.3	90.8	0.0	55	1.2	13
988	2002/10/30	19:00:00	22.9	97.4	0.0	180	1.2	0	1084	2002/11/3	19:00:00	22.6	94.8	0.0	105	0.7	0
989	2002/10/30	20:00:00	22.6	97.4	0.0	289	0.6	0	1085	2002/11/3	20:00:00	22.5	96.0	0.0	138	1.1	0
990	2002/10/30	21:00:00	22.5	97.6	0.0	234	1.1	0	1086	2002/11/3	21:00:00	22.5	96.0	0.0	20	0.8	0
991	2002/10/30	22:00:00	22.0	97.6	0.0	32	0.5	0	1087	2002/11/3	22:00:00	22.4	96.2	0.0	96	0.5	0
992	2002/10/30	23:00:00	22.0	97.7	0.0	33	0.7	0	1088	2002/11/3	23:00:00	22.3	95.3	0.0	320	1.4	0
993	2002/10/31	00:00:00	22.0	97.7	0.0	203	0.5	0	1089	2002/11/4	00:00:00	22.2	96.1	0.0	236	0.6	0
994	2002/10/31	01:00:00	21.8	97.8	0.0	356	0.9	0	1090	2002/11/4	01:00:00	22.2	96.4	0.0	23	0.3	0
995	2002/10/31	02:00:00	21.6	97.8	0.0	22	0.7	0	1091	2002/11/4	02:00:00	22.3	96.5	0.6	78	0.9	0
996	2002/10/31	03:00:00	21.5	97.8	0.0	86	0.4	0	1092	2002/11/4	03:00:00	22.0	95.5	0.6	329	1.4	0
997	2002/10/31	04:00:00	21.2	97.9	0.0	168	0.3	0	1093	2002/11/4	04:00:00	22.0	94.9	0.0	228	0.9	0
998	2002/10/31	05:00:00	21.2	97.9	0.0	208	0.7	0	1094	2002/11/4	05:00:00	21.7	95.6	0.0	353	0.9	0
999	2002/10/31	06:00:00	21.0	97.9	0.0	143	0.5	23	1095	2002/11/4	06:00:00	21.7	95.8	0.0	314	1.2	20
1000	2002/10/31	07:00:00	21.6	97.8	0.0	317	0.7	83	1096	2002/11/4	07:00:00	22.9	87.6	0.0	45	1.8	165
1001	2002/10/31	08:00:00	23.5	95.8	0.0	348	1.1	278	1097	2002/11/4	08:00:00	23.4	81.9	0.0	112	1.8	137
1002	2002/10/31	09:00:00	24.0	94.1	0.0	267	1.6	195	1098	2002/11/4	09:00:00	23.7	80.7	0.0	79	3.2	344
1003	2002/10/31	10:00:00	24.8	92.3	0.0	36	1.6	209	1099	2002/11/4	10:00:00	24.2	81.6	0.0	80	2.9	295
1004	2002/10/31	11:00:00	27.9	72.8	0.0	309	1.6	709	1100	2002/11/4	11:00:00	24.5	79.4	0.0	76	4.5	295
1005	2002/10/31	12:00:00	28.6	69.0	0.0	56	2.5	591	1101	2002/11/4	12:00:00	24.3	79.6	0.0	123	2.5	298
1006	2002/10/31	13:00:00	29.0	64.3	0.0	46	3.8	574	1102	2002/11/4	13:00:00	23.9	80.2	0.0	99	8.2	273
1007	2002/10/31	14:00:00	29.8	69.8	0.0	145	2.7	432	1103	2002/11/4	14:00:00	24.3	77.2	0.0	120	4.1	329
1008	2002/10/31	15:00:00	27.1	68.6	0.0	117	4.3	151	1104	2002/11/4	15:00:00	23.0	89.3	0.0	42	3.5	183
1009	2002/10/31	16:00:00	25.9	74.0	0.0	121	3.7	89	1105	2002/11/4	16:00:00	23.4	88.0	0.0	105	2.2	130
1010	2002/10/31	17:00:00	25.8	71.5	0.0	116	4.7	104	1106	2002/11/4	17:00:00	22.5	91.5	0.2	47	1.8	34
1011	2002/10/31	18:00:00	24.9	78.0	0.0	119	1.8	7	1107	2002/11/4	18:00:00	21.9	93.5	0.0	60	1.0	2
1012	2002/10/31	19:00:00	24.0	84.5	0.0	285	2.3	0	1108	2002/11/4	19:00:00	21.8	94.4	0.0	86	0.7	0
1013	2002/10/31	20:00:00	24.0	83.4	0.0	19	1.7	0	1109	2002/11/4	20:00:00	21.5	95.6	0.4	27	0.8	0
1014	2002/10/31	21:00:00	23.2	90.6	0.0	116	1.1	0	1110	2002/11/4	21:00:00	21.5	96.1	0.6	52	0.8	0
1015	2002/10/31	22:00:00	23.1	91.4	0.0	106	0.8	0	1111	2002/11/4	22:00:00	21.6	96.0	0.0	29	1.0	0
1016	2002/10/31	23:00:00	22.8	92.9	0.0	284	0.5	0	1112	2002/11/4	23:00:00	21.6	96.2	0.0	55	0.5	0
1017	2002/11/1	00:00:00	22.6	94.5	0.0	79	0.6	0	1113	2002/11/5	00:00:00	21.5	96.3	0.0	79	1.1	0
1018	2002/11/1	01:00:00	22.5	95.3	0.0	29	0.8	0	1114	2002/11/5	01:00:00	21.3	95.3	0.4	139	1.9	0
1019	2002/11/1	02:00:00	22.4	95.3	0.0	347	0.6	0	1115	2002/11/5	02:00:00	21.2	96.0	0.2	120	0.7	0
1020	2002/11/1	03:00:00	22.3	95.9	0.0	324	0.5	0	1116	2002/11/5	03:00:00	21.4	96.5	0.6	132	0.6	0
1021	2002/11/1	04:00:00	22.1	96.1	0.0	333	0.5	0	1117	2002/11/5	04:00:00	21.3	96.6	0.2	156	0.3	0
1022	2002/11/1	05:00:00	22.2	96.3	0.0	80	0.4	0	1118	2002/11/5	05:00:00	21.5	96.7	1.0	61	0.7	0
1023	2002/11/1	06:00:00	22.2	96.3	0.0	46	0.3	16	1119	2002/11/5	06:00:00	21.6	96.8	1.6	48	0.8	7
1024	2002/11/1	07:00:00	23.0	91.9	0.0	41	0.0	89	1120	2002/11/5	07:00:00	22.0	95.6	0.0	111	0.7	98
1025	2002/11/1	08:00:00	23.9	88.5	0.0	58	0.0	110	1121	2002/11/5	08:00:00	22.6	93.5	0.8	29	0.5	115
1026	2002/11/1	09:00:00	24.5	82.2	0.6	15	3.1	164	1122	2002/11/5	09:00:00	23.3	92.0	1.2	324	1.4	112
1027	2002/11/1	10:00:00	24.1	84.6	0.0	18	2.2	220	1123	2002/11/5	10:00:00	24.5	88.1	0.2	16	2.0	463
1028	2002/11/1	11:00:00	25.3	81.1	0.0	23	3.3	355	1124	2002/11/5	11:00:00	24.5	88.8	0.6	93	3.3	193
1029	2002/11/1	12:00:00	25.1	77.2	0.0	73	4.1	202	1125	2002/11/5	12:00:00	24.7					

APPENDIX 3 Weather observation data in Namosi area (9)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
			°C	%	mm	degree	m/s	kWh/m <sup>2</sup>				°C	%	mm	degree	m/s	kWh/m <sup>2</sup>
	yyyy/mm/dd	hh:mm:ss								yyyy/mm/dd	hh:mm:ss						
1153	2002/11/6	16:00:00	23.3	96.7	5.0	156	3.2	22	1249	2002/11/10	16:00:00	24.2	94.4	2.4	91	0.9	27
1154	2002/11/6	17:00:00	23.2	97.2	6.4	104	0.7	13	1250	2002/11/10	17:00:00	23.6	96.0	16.8	286	1.8	25
1155	2002/11/6	18:00:00	23.2	97.3	3.8	21	1.0	2	1251	2002/11/10	18:00:00	23.3	97.0	12.6	279	0.8	2
1156	2002/11/6	19:00:00	23.1	97.3	14.4	112	0.8	0	1252	2002/11/10	19:00:00	23.2	97.0	2.0	193	0.9	0
1157	2002/11/6	20:00:00	23.0	97.4	2.8	53	0.8	0	1253	2002/11/10	20:00:00	23.2	97.2	2.2	37	0.8	0
1158	2002/11/6	21:00:00	22.8	97.5	0.0	75	0.8	0	1254	2002/11/10	21:00:00	23.2	97.3	0.8	281	0.9	0
1159	2002/11/6	22:00:00	22.8	97.5	0.2	95	0.5	0	1255	2002/11/10	22:00:00	23.1	97.3	0.8	293	0.7	0
1160	2002/11/6	23:00:00	22.9	97.5	0.0	75	1.0	0	1256	2002/11/10	23:00:00	23.1	97.3	1.4	9	0.9	0
1161	2002/11/7	00:00:00	22.9	97.5	0.0	13	0.6	0	1257	2002/11/11	00:00:00	23.0	97.4	2.0	5	0.8	0
1162	2002/11/7	01:00:00	22.9	97.5	0.0	55	0.9	0	1258	2002/11/11	01:00:00	22.9	97.3	1.6	15	1.2	0
1163	2002/11/7	02:00:00	23.1	97.1	0.6	108	5.5	0	1259	2002/11/11	02:00:00	22.9	97.4	0.6	64	0.3	0
1164	2002/11/7	03:00:00	23.0	97.1	0.0	299	0.5	0	1260	2002/11/11	03:00:00	22.8	97.4	0.2	46	0.5	0
1165	2002/11/7	04:00:00	23.0	97.3	0.0	87	0.9	0	1261	2002/11/11	04:00:00	22.8	97.4	1.8	193	1.4	0
1166	2002/11/7	05:00:00	23.5	96.3	0.6	91	5.1	0	1262	2002/11/11	05:00:00	22.8	97.5	1.0	50	0.7	0
1167	2002/11/7	06:00:00	23.9	94.2	0.0	96	3.6	13	1263	2002/11/11	06:00:00	22.9	97.5	0.2	44	0.5	7
1168	2002/11/7	07:00:00	24.2	94.9	0.0	75	2.4	91	1264	2002/11/11	07:00:00	23.2	97.4	0.2	81	0.6	53
1169	2002/11/7	08:00:00	25.6	91.3	0.2	101	3.8	401	1265	2002/11/11	08:00:00	23.7	97.0	1.0	42	0.7	198
1170	2002/11/7	09:00:00	26.0	83.3	0.0	109	4.5	166	1266	2002/11/11	09:00:00	24.4	92.0	1.0	49	2.8	180
1171	2002/11/7	10:00:00	27.3	76.7	0.0	82	3.8	474	1267	2002/11/11	10:00:00	24.4	92.0	1.0	32	2.0	274
1172	2002/11/7	11:00:00	26.6	80.1	0.0	103	4.7	299	1268	2002/11/11	11:00:00	26.9	79.0	0.0	94	3.6	428
1173	2002/11/7	12:00:00	26.4	85.3	0.2	87	5.0	319	1269	2002/11/11	12:00:00	27.1	78.6	0.4	58	3.7	590
1174	2002/11/7	13:00:00	27.1	83.6	0.0	74	2.6	363	1270	2002/11/11	13:00:00	26.7	81.3	0.8	48	5.2	390
1175	2002/11/7	14:00:00	28.5	76.7	0.6	88	3.4	309	1271	2002/11/11	14:00:00	26.1	79.7	0.0	62	2.7	372
1176	2002/11/7	15:00:00	28.2	78.3	0.0	47	3.3	504	1272	2002/11/11	15:00:00	25.8	84.9	0.0	69	2.8	206
1177	2002/11/7	16:00:00	25.6	89.4	0.6	94	1.8	50	1273	2002/11/11	16:00:00	25.8	83.6	0.0	31	2.1	188
1178	2002/11/7	17:00:00	24.3	95.3	7.4	23	2.1	35	1274	2002/11/11	17:00:00	25.2	82.9	0.0	90	3.9	120
1179	2002/11/7	18:00:00	23.3	96.8	25.0	297	2.2	3	1275	2002/11/11	18:00:00	24.5	89.2	0.0	45	1.8	16
1180	2002/11/7	19:00:00	23.3	97.3	10.4	73	0.9	0	1276	2002/11/11	19:00:00	23.7	89.9	0.0	38	1.7	0
1181	2002/11/7	20:00:00	23.2	97.5	0.8	88	0.7	0	1277	2002/11/11	20:00:00	23.2	93.9	0.0	72	1.6	0
1182	2002/11/7	21:00:00	23.0	97.5	0.8	60	0.3	0	1278	2002/11/11	21:00:00	23.1	94.6	0.0	51	1.0	0
1183	2002/11/7	22:00:00	23.0	97.5	0.2	284	0.5	0	1279	2002/11/11	22:00:00	23.0	95.5	0.0	50	0.6	0
1184	2002/11/7	23:00:00	22.9	97.5	0.6	65	0.5	0	1280	2002/11/11	23:00:00	22.8	95.9	0.0	52	0.8	0
1185	2002/11/8	00:00:00	22.9	97.6	1.4	37	1.1	0	1281	2002/11/12	00:00:00	22.7	96.0	0.0	35	0.9	0
1186	2002/11/8	01:00:00	22.7	97.6	0.2	288	0.5	0	1282	2002/11/12	01:00:00	22.7	96.0	0.0	208	0.7	0
1187	2002/11/8	02:00:00	22.7	97.6	0.0	349	0.7	0	1283	2002/11/12	02:00:00	22.6	96.5	0.0	89	0.4	0
1188	2002/11/8	03:00:00	22.7	97.6	0.0	10	0.5	0	1284	2002/11/12	03:00:00	22.5	96.2	0.0	86	1.4	0
1189	2002/11/8	04:00:00	22.6	97.7	0.0	10	0.6	0	1285	2002/11/12	04:00:00	22.4	95.3	0.0	110	1.1	0
1190	2002/11/8	05:00:00	22.5	97.7	0.0	318	0.8	0	1286	2002/11/12	05:00:00	22.4	95.7	0.0	22	0.8	0
1191	2002/11/8	06:00:00	22.5	97.7	0.0	52	0.7	36	1287	2002/11/12	06:00:00	22.5	95.1	0.0	68	0.9	11
1192	2002/11/8	07:00:00	23.0	97.6	0.0	42	1.1	138	1288	2002/11/12	07:00:00	22.8	93.2	0.0	69	0.9	64
1193	2002/11/8	08:00:00	24.5	96.8	0.0	37	1.3	533	1289	2002/11/12	08:00:00	23.8	89.1	0.0	13	1.1	161
1194	2002/11/8	09:00:00	25.3	94.0	0.2	353	1.6	224	1290	2002/11/12	09:00:00	24.2	79.8	0.0	91	4.0	249
1195	2002/11/8	10:00:00	27.4	84.7	0.0	69	3.0	513	1291	2002/11/12	10:00:00	24.4	80.7	0.0	24	2.8	298
1196	2002/11/8	11:00:00	26.8	86.4	0.2	108	2.8	174	1292	2002/11/12	11:00:00	23.7	83.7	0.0	49	3.3	132
1197	2002/11/8	12:00:00	27.2	84.5	0.0	102	5.4	257	1293	2002/11/12	12:00:00	24.0	82.3	0.0	53	3.8	249
1198	2002/11/8	13:00:00	27.4	82.7	0.0	95	3.0	393	1294	2002/11/12	13:00:00	24.2	80.6	0.0	15	2.3	155
1199	2002/11/8	14:00:00	27.3	79.5	0.0	89	2.5	219	1295	2002/11/12	14:00:00	23.7	81.3	0.2	60	3.3	169
1200	2002/11/8	15:00:00	27.7	79.4	0.0	83	0.9	303	1296	2002/11/12	15:00:00	23.5	82.2	0.0	66	3.1	67
1201	2002/11/8	16:00:00	27.4	82.5	0.0	60	2.5	218	1297	2002/11/12	16:00:00	22.6	87.0	0.0	33	2.8	57
1202	2002/11/8	17:00:00	27.3	82.8	0.0	42	1.9	116	1298	2002/11/12	17:00:00	22.4	88.3	0.0	62	0.8	20
1203	2002/11/8	18:00:00	25.8	90.3	0.0	162	0.7	7	1299	2002/11/12	18:00:00	22.1	91.0	0.0	44	0.8	5
1204	2002/11/8	19:00:00	24.7	94.4	0.0	203	0.5	0	1300	2002/11/12	19:00:00	21.8	92.8	0.0	234	1.1	0
1205	2002/11/8	20:00:00	24.2	95.5	0.0	47	0.2	0	1301	2002/11/12	20:00:00	21.6	93.3	0.0	105	0.4	0
1206	2002/11/8	21:00:00	23.9	96.2	0.0	92	0.3	0	1302	2002/11/12	21:00:00	21.5	94.7	0.0	309	0.4	0
1207	2002/11/8	22:00:00	23.6	96.7	0.0	117	1.0	0	1303	2002/11/12	22:00:00	21.4	95.7	0.0	61	1.0	0
1208	2002/11/8	23:00:00	23.5	96.8	0.0	203	0.6	0	1304	2002/11/12	23:00:00	21.4	95.9	0.0	25	0.5	0
1209	2002/11/9	00:00:00	23.4	96.8	0.0	341	0.7	0	1305	2002/11/13	00:00:00	21.1	96.2	0.0	118	1.0	0
1210	2002/11/9	01:00:00	23.4	96.9	0.0	68	0.9	0	1306	2002/11/13	01:00:00	21.1	96.4	0.0	56	0.6	0
1211	2002/11/9	02:00:00	23.3	96.7	0.0	106	0.9	0	1307	2002/11/13	02:00:00	21.0	96.6	0.0	61	0.5	0
1212	2002/11/9	03:00:00	22.9	97.0	0.0	77	0.5	0	1308	2002/11/13	03:00:00	20.9	96.8	0.0	109	0.7	0
1213	2002/11/9	04:00:00	22.9	97.0	0.0	97	0.3	0	1309	2002/11/13	04:00:00	21.0	96.7	0.0	356	0.2	0
1214	2002/11/9	05:00:00	22.8	97.1	0.0	101	1.0	0	1310	2002/11/13	05:00:00	21.0	96.6	0.0	26	0.5	0
1215	2002/11/9	06:00:00	23.1	96.9	0.0	89	0.5	29	1311	2002/11/13	06:00:00	21.2	96.1	0.0	100	0.5	19
1216	2002/11/9	07:00:00	24.4	94.8	0.0	47	1.1	250	1312	2002/11/13	07:00:00	21.6	94.3	0.0	345	0.8	61
1217	2002/11/9	08:00:00	27.4	82.5	0.0	13	1.7	370	1313	2002/11/13	08:00:00	22.9	88.9	0.0	13	0.4	96
1218	2002/11/9	09:00:00	28.9	69.1	0.0	116	4.7	879	1314	2002/11/13	09:00:00	24.4	84.3	0.0	56	1.5	422
1219	2002/11/9	10:00:00	28.9	67.7	0.0	93	3.5	275	1315	2002/11/13	10:00:00	24.8	79.5	0.0	64	1.7	185
1220	2002/11/9	11:00:00	29.7	68.5	0.0	57	4.3	469	1316	2002/11/13	11:00:00	24.2	83.3	0.0	305	1.6	189
1221	2002/11/9	12:00:00	27.4	80.0													

APPENDIX 3 Weather observation data in Namosi area (10)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
	yyyy/mm/dd	hh:mm:ss	°C	%	mm	degree	m/s	kWh/m2		yyyy/mm/dd	hh:mm:ss	°C	%	mm	degree	m/s	kWh/m2
1345	2002/11/14	16:00:00	23.3	94.2	1.4	57	1.8	116	1441	2002/11/18	16:00:00	24.2	89.1	0.2	79	1.4	83
1346	2002/11/14	17:00:00	23.7	88.5	0.0	65	4.9	129	1442	2002/11/18	17:00:00	24.3	90.0	0.0	62	0.7	71
1347	2002/11/14	18:00:00	22.9	94.1	0.4	39	1.0	15	1443	2002/11/18	18:00:00	24.1	93.0	0.0	18	1.3	6
1348	2002/11/14	19:00:00	22.4	95.9	2.4	72	0.7	0	1444	2002/11/18	19:00:00	23.7	93.8	0.0	83	0.4	0
1349	2002/11/14	20:00:00	22.2	96.4	3.8	60	1.3	0	1445	2002/11/18	20:00:00	23.4	94.7	0.0	47	1.3	0
1350	2002/11/14	21:00:00	22.4	96.1	1.2	276	0.9	0	1446	2002/11/18	21:00:00	22.8	93.0	0.4	228	1.4	0
1351	2002/11/14	22:00:00	22.2	96.4	0.4	53	1.7	0	1447	2002/11/18	22:00:00	22.4	94.3	1.6	255	0.9	0
1352	2002/11/14	23:00:00	22.2	95.9	0.2	90	1.1	0	1448	2002/11/18	23:00:00	22.0	95.7	2.0	294	0.7	0
1353	2002/11/15	00:00:00	22.1	95.9	0.0	29	0.8	0	1449	2002/11/19	00:00:00	22.1	96.3	0.0	58	0.5	0
1354	2002/11/15	01:00:00	22.0	96.1	0.8	338	0.6	0	1450	2002/11/19	01:00:00	22.1	96.5	0.0	326	0.7	0
1355	2002/11/15	02:00:00	21.9	96.7	2.4	80	0.3	0	1451	2002/11/19	02:00:00	22.0	96.7	2.0	26	0.9	0
1356	2002/11/15	03:00:00	21.8	96.9	0.6	102	0.6	0	1452	2002/11/19	03:00:00	22.0	96.8	1.0	188	0.7	0
1357	2002/11/15	04:00:00	21.9	96.5	0.2	117	1.3	0	1453	2002/11/19	04:00:00	22.0	96.9	1.2	81	0.9	0
1358	2002/11/15	05:00:00	21.9	96.6	0.4	101	1.1	0	1454	2002/11/19	05:00:00	21.9	96.7	0.4	101	1.0	0
1359	2002/11/15	06:00:00	21.9	96.6	0.4	103	1.0	7	1455	2002/11/19	06:00:00	21.9	96.9	0.0	134	0.5	15
1360	2002/11/15	07:00:00	22.0	96.1	1.8	105	1.8	38	1456	2002/11/19	07:00:00	22.3	96.3	0.2	37	0.6	23
1361	2002/11/15	08:00:00	22.7	94.3	1.6	352	0.6	107	1457	2002/11/19	08:00:00	23.3	94.6	0.0	357	0.9	77
1362	2002/11/15	09:00:00	23.0	91.8	0.6	9	1.3	109	1458	2002/11/19	09:00:00	23.9	93.1	0.0	233	0.4	65
1363	2002/11/15	10:00:00	23.9	88.5	0.2	48	1.3	259	1459	2002/11/19	10:00:00	25.3	85.0	0.0	52	1.4	331
1364	2002/11/15	11:00:00	23.9	86.5	0.0	30	2.3	264	1460	2002/11/19	11:00:00	25.3	85.3	0.2	99	2.5	189
1365	2002/11/15	12:00:00	23.9	86.8	0.0	6	2.1	143	1461	2002/11/19	12:00:00	26.6	74.3	0.0	70	3.5	321
1366	2002/11/15	13:00:00	24.1	85.6	0.0	19	3.3	206	1462	2002/11/19	13:00:00	25.8	81.0	0.0	68	3.9	84
1367	2002/11/15	14:00:00	23.8	90.8	0.6	16	2.0	192	1463	2002/11/19	14:00:00	25.1	89.2	0.8	60	2.1	260
1368	2002/11/15	15:00:00	23.5	90.7	0.8	10	1.2	142	1464	2002/11/19	15:00:00	25.8	83.9	0.0	43	1.8	297
1369	2002/11/15	16:00:00	22.7	93.1	1.2	25	1.7	97	1465	2002/11/19	16:00:00	23.8	93.5	1.8	43	2.1	73
1370	2002/11/15	17:00:00	22.5	93.7	0.8	19	0.9	41	1466	2002/11/19	17:00:00	23.4	92.4	1.4	38	1.6	21
1371	2002/11/15	18:00:00	22.1	94.8	2.0	338	0.6	5	1467	2002/11/19	18:00:00	23.0	94.7	0.8	44	1.0	8
1372	2002/11/15	19:00:00	22.0	96.1	1.2	57	0.7	0	1468	2002/11/19	19:00:00	22.8	96.0	2.4	67	1.0	0
1373	2002/11/15	20:00:00	21.8	96.3	1.2	97	0.3	0	1469	2002/11/19	20:00:00	22.6	96.2	1.4	120	1.3	0
1374	2002/11/15	21:00:00	21.7	96.4	0.8	122	0.9	0	1470	2002/11/19	21:00:00	22.7	96.1	0.2	10	1.0	0
1375	2002/11/15	22:00:00	21.8	96.3	0.2	141	0.5	0	1471	2002/11/19	22:00:00	22.7	96.3	0.0	341	0.5	0
1376	2002/11/15	23:00:00	21.8	96.4	1.6	102	0.7	0	1472	2002/11/19	23:00:00	22.7	96.5	0.0	356	0.7	0
1377	2002/11/16	00:00:00	21.6	96.6	1.6	134	0.8	0	1473	2002/11/20	00:00:00	22.6	96.6	0.0	48	0.5	0
1378	2002/11/16	01:00:00	21.6	96.8	1.0	349	0.9	0	1474	2002/11/20	01:00:00	22.6	96.7	0.0	324	0.3	0
1379	2002/11/16	02:00:00	21.6	96.6	0.0	99	0.8	0	1475	2002/11/20	02:00:00	22.6	96.7	0.2	217	0.4	0
1380	2002/11/16	03:00:00	21.5	96.7	0.2	10	0.7	0	1476	2002/11/20	03:00:00	22.5	96.7	0.2	30	0.9	0
1381	2002/11/16	04:00:00	21.3	96.7	3.2	24	0.6	0	1477	2002/11/20	04:00:00	22.5	96.7	0.4	327	0.7	0
1382	2002/11/16	05:00:00	21.3	96.9	0.8	325	0.6	0	1478	2002/11/20	05:00:00	22.7	96.5	0.8	139	1.2	0
1383	2002/11/16	06:00:00	21.4	96.8	0.8	24	0.4	11	1479	2002/11/20	06:00:00	22.7	96.6	0.0	304	0.6	5
1384	2002/11/16	07:00:00	21.7	96.3	2.4	88	1.1	68	1480	2002/11/20	07:00:00	23.1	96.2	0.4	110	0.4	68
1385	2002/11/16	08:00:00	22.4	91.9	0.6	14	1.7	183	1481	2002/11/20	08:00:00	24.8	90.4	0.0	84	0.7	219
1386	2002/11/16	09:00:00	22.8	90.5	0.4	92	2.8	139	1482	2002/11/20	09:00:00	25.2	88.5	0.0	90	1.6	221
1387	2002/11/16	10:00:00	24.0	85.1	1.0	341	1.7	221	1483	2002/11/20	10:00:00	26.8	84.3	0.0	68	3.6	256
1388	2002/11/16	11:00:00	23.1	91.3	1.8	41	1.7	257	1484	2002/11/20	11:00:00	26.8	85.2	0.0	84	3.3	369
1389	2002/11/16	12:00:00	23.5	88.7	1.0	17	2.2	289	1485	2002/11/20	12:00:00	27.4	81.3	0.0	107	3.4	400
1390	2002/11/16	13:00:00	24.0	81.9	0.2	73	2.5	471	1486	2002/11/20	13:00:00	26.3	83.6	0.0	109	4.6	272
1391	2002/11/16	14:00:00	23.7	83.4	0.0	131	3.0	291	1487	2002/11/20	14:00:00	25.6	89.0	0.0	9	2.8	112
1392	2002/11/16	15:00:00	23.9	83.3	0.0	71	3.0	295	1488	2002/11/20	15:00:00	24.3	95.2	7.4	50	1.3	195
1393	2002/11/16	16:00:00	23.2	89.1	0.0	58	1.8	133	1489	2002/11/20	16:00:00	24.4	93.4	1.4	78	1.4	35
1394	2002/11/16	17:00:00	22.8	91.7	0.0	15	1.1	60	1490	2002/11/20	17:00:00	23.7	95.9	4.8	68	1.2	30
1395	2002/11/16	18:00:00	22.0	89.3	0.0	1	2.5	20	1491	2002/11/20	18:00:00	23.5	96.3	11.2	124	0.7	8
1396	2002/11/16	19:00:00	21.6	94.3	0.0	37	0.9	0	1492	2002/11/20	19:00:00	23.0	96.9	14.6	107	0.7	0
1397	2002/11/16	20:00:00	21.5	95.6	0.0	67	0.7	0	1493	2002/11/20	20:00:00	23.1	97.1	0.0	56	0.8	0
1398	2002/11/16	21:00:00	21.4	95.8	0.0	62	0.3	0	1494	2002/11/20	21:00:00	23.1	97.2	0.0	228	0.9	0
1399	2002/11/16	22:00:00	21.4	95.8	0.0	90	0.7	0	1495	2002/11/20	22:00:00	22.9	97.2	0.2	108	0.9	0
1400	2002/11/16	23:00:00	21.3	96.5	0.0	74	0.8	0	1496	2002/11/20	23:00:00	22.9	97.3	0.2	289	1.0	0
1401	2002/11/17	00:00:00	21.3	96.6	0.0	137	0.3	0	1497	2002/11/21	00:00:00	22.8	97.3	0.4	83	0.8	0
1402	2002/11/17	01:00:00	21.2	96.7	0.0	64	0.9	0	1498	2002/11/21	01:00:00	22.6	97.3	0.0	101	1.4	0
1403	2002/11/17	02:00:00	21.1	96.6	0.0	94	0.6	0	1499	2002/11/21	02:00:00	22.5	97.3	0.2	71	1.5	0
1404	2002/11/17	03:00:00	21.0	96.8	0.0	68	0.3	0	1500	2002/11/21	03:00:00	22.2	97.1	0.0	57	3.2	0
1405	2002/11/17	04:00:00	20.7	96.9	0.0	53	0.8	0	1501	2002/11/21	04:00:00	22.2	97.1	0.2	86	1.3	0
1406	2002/11/17	05:00:00	20.5	97.0	0.0	85	0.5	0	1502	2002/11/21	05:00:00	22.0	97.0	0.2	91	0.9	0
1407	2002/11/17	06:00:00	20.6	96.8	0.0	69	0.7	30	1503	2002/11/21	06:00:00	21.9	96.9	0.4	229	0.9	25
1408	2002/11/17	07:00:00	21.1	95.2	0.0	33	1.0	106	1504	2002/11/21	07:00:00	22.4	96.1	0.2	38	1.2	123
1409	2002/11/17	08:00:00	22.3	90.1	0.0	85	1.1	193	1505	2002/11/21	08:00:00	22.8	95.7	0.0	13	1.6	130
1410	2002/11/17	09:00:00	22.7	88.9	0.0	37	1.5	117	1506	2002/11/21	09:00:00	23.3	94.3	0.4	59	1.8	162
1411	2002/11/17	10:00:00	24.0	84.0	0.0	27	1.5	249	1507	2002/11/21	10:00:00	23.1	91.2	0.0	47	2.0	210
1412	2002/11/17	11:00:00	25.2	82.0	0.0	13	1.2	272	1508	2002/11/21	11:00:00	24.0	91.1	0.4	60	1.2	259
1413	2002/11/17	12:00:00	25.7	76.6	0.0	90	2.4	286	1								



APPENDIX 3 Weather observation data in Namosi area (11)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
1537	2002/11/22	16:00:00	21.8	83.6	0.0	52	3.4	97	1633	2002/11/26	16:00:00	23.5	82.6	0.0	320	3.1	87
1538	2002/11/22	17:00:00	21.7	83.4	0.0	47	2.2	68	1634	2002/11/26	17:00:00	23.4	84.0	0.0	98	1.5	29
1539	2002/11/22	18:00:00	21.2	88.2	0.0	79	1.6	10	1635	2002/11/26	18:00:00	22.6	87.2	0.0	58	0.9	13
1540	2002/11/22	19:00:00	20.6	93.1	0.0	97	1.2	0	1636	2002/11/26	19:00:00	22.0	91.3	0.0	113	0.9	0
1541	2002/11/22	20:00:00	20.4	94.3	0.0	17	1.1	0	1637	2002/11/26	20:00:00	21.7	93.3	0.0	48	1.0	0
1542	2002/11/22	21:00:00	20.2	94.6	0.0	48	0.5	0	1638	2002/11/26	21:00:00	21.6	93.3	0.0	47	0.3	0
1543	2002/11/22	22:00:00	20.1	95.3	0.0	60	0.5	0	1639	2002/11/26	22:00:00	21.4	93.7	0.0	87	1.1	0
1544	2002/11/22	23:00:00	20.0	95.6	0.0	104	0.6	0	1640	2002/11/26	23:00:00	21.5	94.2	0.0	276	1.0	0
1545	2002/11/23	00:00:00	20.0	95.8	0.0	337	0.5	0	1641	2002/11/27	00:00:00	21.3	95.2	0.0	105	0.4	0
1546	2002/11/23	01:00:00	19.8	95.8	0.0	45	0.7	0	1642	2002/11/27	01:00:00	21.3	94.9	0.0	322	0.7	0
1547	2002/11/23	02:00:00	19.8	96.2	0.0	73	0.3	0	1643	2002/11/27	02:00:00	21.2	95.0	0.0	10	0.9	0
1548	2002/11/23	03:00:00	19.7	96.5	0.0	49	0.6	0	1644	2002/11/27	03:00:00	21.0	95.3	0.0	209	0.9	0
1549	2002/11/23	04:00:00	19.6	96.6	0.0	30	0.5	0	1645	2002/11/27	04:00:00	21.0	95.7	0.0	63	0.5	0
1550	2002/11/23	05:00:00	19.6	96.5	0.0	30	0.7	0	1646	2002/11/27	05:00:00	20.9	95.9	0.0	199	0.8	0
1551	2002/11/23	06:00:00	19.3	96.7	0.0	100	0.5	47	1647	2002/11/27	06:00:00	21.0	96.0	0.0	67	0.7	18
1552	2002/11/23	07:00:00	20.9	89.1	0.0	77	0.6	185	1648	2002/11/27	07:00:00	21.5	94.2	0.0	11	0.9	84
1553	2002/11/23	08:00:00	23.3	72.8	0.0	42	0.8	336	1649	2002/11/27	08:00:00	23.1	83.1	0.0	75	0.9	187
1554	2002/11/23	09:00:00	23.2	72.9	0.0	89	2.9	164	1650	2002/11/27	09:00:00	24.6	76.9	0.0	74	1.5	281
1555	2002/11/23	10:00:00	23.6	72.2	0.0	57	5.0	376	1651	2002/11/27	10:00:00	25.6	69.7	0.0	38	1.5	342
1556	2002/11/23	11:00:00	24.6	67.6	0.0	84	3.7	399	1652	2002/11/27	11:00:00	25.4	70.7	0.0	94	2.9	213
1557	2002/11/23	12:00:00	24.8	67.7	0.0	95	3.9	452	1653	2002/11/27	12:00:00	27.0	64.4	0.0	22	3.0	886
1558	2002/11/23	13:00:00	25.3	64.4	0.0	89	5.4	513	1654	2002/11/27	13:00:00	25.9	67.8	0.0	145	2.9	218
1559	2002/11/23	14:00:00	25.4	63.8	0.0	106	3.6	415	1655	2002/11/27	14:00:00	24.7	74.9	0.0	95	3.6	111
1560	2002/11/23	15:00:00	25.6	65.0	0.0	107	4.7	630	1656	2002/11/27	15:00:00	24.0	76.6	0.0	39	2.4	105
1561	2002/11/23	16:00:00	24.4	66.9	0.0	99	4.8	158	1657	2002/11/27	16:00:00	23.4	81.9	0.0	38	2.5	107
1562	2002/11/23	17:00:00	23.8	68.8	0.0	100	4.1	67	1658	2002/11/27	17:00:00	23.2	84.2	0.0	28	1.4	37
1563	2002/11/23	18:00:00	22.8	77.6	0.0	40	2.2	17	1659	2002/11/27	18:00:00	22.7	87.7	0.0	157	0.6	6
1564	2002/11/23	19:00:00	21.4	88.9	0.0	92	0.7	0	1660	2002/11/27	19:00:00	21.9	92.7	0.0	71	1.1	0
1565	2002/11/23	20:00:00	20.9	92.8	0.0	97	0.6	0	1661	2002/11/27	20:00:00	21.7	94.4	0.0	89	1.0	0
1566	2002/11/23	21:00:00	20.4	94.7	0.0	15	0.3	0	1662	2002/11/27	21:00:00	21.5	95.1	0.0	351	0.9	0
1567	2002/11/23	22:00:00	20.4	95.0	0.0	5	0.8	0	1663	2002/11/27	22:00:00	21.3	95.0	0.0	336	0.6	0
1568	2002/11/23	23:00:00	20.2	95.7	0.0	77	0.8	0	1664	2002/11/27	23:00:00	20.9	95.1	0.2	284	0.5	0
1569	2002/11/24	00:00:00	20.1	95.9	0.0	47	0.0	0	1665	2002/11/28	00:00:00	20.8	95.8	0.4	128	1.1	0
1570	2002/11/24	01:00:00	20.1	96.4	0.2	36	0.4	0	1666	2002/11/28	01:00:00	21.0	95.9	0.6	85	0.3	0
1571	2002/11/24	02:00:00	20.2	96.6	0.0	53	0.6	0	1667	2002/11/28	02:00:00	20.8	96.4	1.0	29	0.3	0
1572	2002/11/24	03:00:00	20.2	96.7	0.0	62	0.3	0	1668	2002/11/28	03:00:00	20.7	95.8	0.0	49	1.1	0
1573	2002/11/24	04:00:00	20.2	96.8	0.0	68	0.6	0	1669	2002/11/28	04:00:00	20.5	95.9	0.2	51	1.6	0
1574	2002/11/24	05:00:00	20.1	96.9	0.0	106	0.7	0	1670	2002/11/28	05:00:00	20.4	95.6	0.0	99	0.9	0
1575	2002/11/24	06:00:00	20.3	96.9	0.0	99	0.6	26	1671	2002/11/28	06:00:00	20.4	95.7	0.0	133	0.9	18
1576	2002/11/24	07:00:00	21.2	94.0	0.0	76	1.0	75	1672	2002/11/28	07:00:00	21.2	90.2	0.0	18	1.1	452
1577	2002/11/24	08:00:00	23.0	86.2	0.0	72	2.4	292	1673	2002/11/28	08:00:00	22.1	84.1	0.0	48	1.1	135
1578	2002/11/24	09:00:00	24.8	77.2	0.0	95	3.1	943	1674	2002/11/28	09:00:00	23.3	78.2	0.0	123	1.3	399
1579	2002/11/24	10:00:00	26.3	70.5	0.0	58	5.2	983	1675	2002/11/28	10:00:00	23.9	70.6	0.0	34	2.5	420
1580	2002/11/24	11:00:00	26.2	70.4	0.0	99	5.2	301	1676	2002/11/28	11:00:00	24.8	68.9	0.0	91	3.1	504
1581	2002/11/24	12:00:00	26.4	70.5	0.0	77	6.0	650	1677	2002/11/28	12:00:00	25.5	64.5	0.0	51	2.8	415
1582	2002/11/24	13:00:00	25.3	68.2	0.0	85	5.2	307	1678	2002/11/28	13:00:00	25.2	60.1	0.0	108	3.6	420
1583	2002/11/24	14:00:00	25.8	66.4	0.0	83	6.5	237	1679	2002/11/28	14:00:00	25.1	62.9	0.0	127	4.2	280
1584	2002/11/24	15:00:00	24.8	73.3	0.0	91	4.5	78	1680	2002/11/28	15:00:00	25.4	61.3	0.0	137	4.2	405
1585	2002/11/24	16:00:00	23.6	81.7	0.0	17	2.5	96	1681	2002/11/28	16:00:00	24.6	64.0	0.0	134	4.3	201
1586	2002/11/24	17:00:00	22.9	82.8	0.0	338	2.7	40	1682	2002/11/28	17:00:00	24.0	65.0	0.0	116	2.3	94
1587	2002/11/24	18:00:00	22.5	85.8	0.0	121	1.3	5	1683	2002/11/28	18:00:00	23.3	68.6	0.0	149	2.6	16
1588	2002/11/24	19:00:00	21.4	91.6	0.0	60	0.8	0	1684	2002/11/28	19:00:00	21.6	85.5	0.0	88	1.0	0
1589	2002/11/24	20:00:00	21.3	94.0	0.2	90	0.6	0	1685	2002/11/28	20:00:00	21.1	88.4	0.0	117	1.2	0
1590	2002/11/24	21:00:00	21.3	95.0	0.0	108	0.7	0	1686	2002/11/28	21:00:00	21.0	88.5	0.0	135	0.5	0
1591	2002/11/24	22:00:00	21.2	94.9	0.0	46	0.8	0	1687	2002/11/28	22:00:00	20.8	91.5	0.0	198	0.8	0
1592	2002/11/24	23:00:00	21.1	95.6	0.0	91	0.2	0	1688	2002/11/28	23:00:00	20.5	93.8	0.0	23	0.9	0
1593	2002/11/25	00:00:00	21.0	95.9	0.0	52	0.7	0	1689	2002/11/29	00:00:00	20.4	94.7	0.0	87	0.7	0
1594	2002/11/25	01:00:00	20.9	96.3	0.0	3	0.8	0	1690	2002/11/29	01:00:00	20.2	94.7	0.0	326	0.3	0
1595	2002/11/25	02:00:00	20.8	96.2	0.0	130	0.6	0	1691	2002/11/29	02:00:00	20.0	94.6	0.2	194	0.4	0
1596	2002/11/25	03:00:00	20.7	96.2	0.0	88	0.4	0	1692	2002/11/29	03:00:00	20.0	95.7	0.0	87	0.7	0
1597	2002/11/25	04:00:00	20.8	96.1	0.0	125	0.5	0	1693	2002/11/29	04:00:00	20.1	95.7	0.0	70	0.7	0
1598	2002/11/25	05:00:00	20.7	96.3	0.0	322	0.4	0	1694	2002/11/29	05:00:00	19.9	96.1	0.0	353	0.4	0
1599	2002/11/25	06:00:00	20.7	96.5	0.0	59	0.0	31	1695	2002/11/29	06:00:00	20.0	95.8	0.0	109	0.5	17
1600	2002/11/25	07:00:00	22.2	91.4	0.0	78	0.6	368	1696	2002/11/29	07:00:00	20.4	93.0	0.0	246	0.9	74
1601	2002/11/25	08:00:00	26.5	71.9	0.0	58	2.1	571	1697	2002/11/29	08:00:00	22.0	82.3	0.0	142	0.9	249
1602	2002/11/25	09:00:00	27.0	65.2	0.0	63	3.0	802	1698	2002/11/29	09:00:00	24.8	66.1	0.0	67	1.3	385
1603	2002/11/25	10:00:00	27.8	65.2	0.0	41	2.3	824	1699	2002/11/29	10:00:00	24.0	69.2	0.0	27	2.2	326
1604	2002/11/25	11:00:00	28.6	55.5	0.0	45	4.3	615	1700	2002/11/29	11:00:00	24.7	66.1	0.0	314	3.6	466
1605	2002/11/25																

APPENDIX 3 Weather observation data in Namosi area (12)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
1729	2002/11/30	16:00:00	22.8	84.0	0.0	12	2.1	68	1824	2002/12/5	00:00:00	24.1	95.9	0.2	320	0.7	0
1730	2002/11/30	17:00:00	22.6	81.0	0.0	56	3.0	53	1825	2002/12/5	01:00:00	24.0	95.7	0.0	184	0.3	0
1731	2002/11/30	18:00:00	22.0	85.9	0.0	85	1.3	13	1826	2002/12/5	02:00:00	23.9	96.2	0.2	329	0.4	0
1732	2002/11/30	19:00:00	21.6	90.9	0.0	301	0.9	0	1827	2002/12/5	03:00:00	23.8	96.2	0.0	323	0.9	0
1733	2002/11/30	20:00:00	21.3	91.7	0.0	37	0.6	0	1828	2002/12/5	04:00:00	23.7	96.4	0.0	313	0.5	0
1734	2002/11/30	21:00:00	21.1	93.5	0.0	184	1.0	0	1829	2002/12/5	05:00:00	23.5	96.5	0.0	41	0.6	0
1735	2002/11/30	22:00:00	21.0	94.0	0.0	143	0.6	0	1830	2002/12/5	06:00:00	23.6	96.7	0.0	78	0.6	30
1736	2002/11/30	23:00:00	20.7	95.1	0.0	3	0.8	0	1831	2002/12/5	07:00:00	24.4	96.6	0.0	41	0.1	200
1737	2002/12/1	00:00:00	20.7	95.3	0.0	340	0.4	0	1832	2002/12/5	08:00:00	27.4	81.1	0.0	45	1.2	398
1738	2002/12/1	01:00:00	20.6	95.6	0.0	30	0.6	0	1833	2002/12/5	09:00:00	27.9	78.3	0.0	259	2.7	373
1739	2002/12/1	02:00:00	20.5	95.9	0.0	27	0.3	0	1834	2002/12/5	10:00:00	29.5	71.5	0.0	84	3.4	275
1740	2002/12/1	03:00:00	20.3	96.3	0.0	228	0.6	0	1835	2002/12/5	11:00:00	30.3	67.9	0.0	75	3.0	455
1741	2002/12/1	04:00:00	20.0	96.0	0.0	251	0.7	0	1836	2002/12/5	12:00:00	31.7	59.4	0.0	253	5.0	980
1742	2002/12/1	05:00:00	19.9	96.0	0.0	63	0.4	0	1837	2002/12/5	13:00:00	30.6	69.0	0.0	124	3.9	434
1743	2002/12/1	06:00:00	20.0	96.5	0.0	54	0.6	28	1838	2002/12/5	14:00:00	30.5	70.9	0.0	300	4.1	1203
1744	2002/12/1	07:00:00	20.5	94.1	0.0	98	0.6	67	1839	2002/12/5	15:00:00	29.7	69.5	0.0	249	4.3	350
1745	2002/12/1	08:00:00	21.7	86.5	0.0	123	0.4	124	1840	2002/12/5	16:00:00	27.7	78.4	0.0	276	4.9	179
1746	2002/12/1	09:00:00	23.3	81.6	0.0	54	0.9	206	1841	2002/12/5	17:00:00	26.4	86.1	0.0	290	3.6	70
1747	2002/12/1	10:00:00	24.1	74.6	0.0	23	2.1	213	1842	2002/12/5	18:00:00	25.4	90.3	0.0	335	1.2	31
1748	2002/12/1	11:00:00	25.0	67.3	0.0	27	2.5	330	1843	2002/12/5	19:00:00	24.7	92.3	0.0	65	0.7	0
1749	2002/12/1	12:00:00	26.3	64.7	0.0	103	4.0	617	1844	2002/12/5	20:00:00	24.5	94.1	0.2	214	0.2	0
1750	2002/12/1	13:00:00	26.4	61.8	0.0	113	2.7	884	1845	2002/12/5	21:00:00	24.2	94.7	0.6	335	0.9	0
1751	2002/12/1	14:00:00	25.0	64.3	0.0	96	3.2	98	1846	2002/12/5	22:00:00	24.1	95.2	0.6	180	0.8	0
1752	2002/12/1	15:00:00	24.8	65.9	0.0	120	3.4	190	1847	2002/12/5	23:00:00	24.0	95.3	0.2	13	0.9	0
1753	2002/12/1	16:00:00	25.9	64.8	0.0	59	3.8	499	1848	2002/12/6	00:00:00	23.9	95.7	0.0	54	0.4	0
1754	2002/12/1	17:00:00	24.9	67.3	0.0	90	3.4	119	1849	2002/12/6	01:00:00	23.6	95.7	0.0	215	0.3	0
1755	2002/12/1	18:00:00	23.7	72.3	0.0	86	3.1	33	1850	2002/12/6	02:00:00	23.5	96.0	0.0	73	0.3	0
1756	2002/12/1	19:00:00	20.9	88.7	0.0	117	1.2	0	1851	2002/12/6	03:00:00	23.4	96.3	0.0	10	0.5	0
1757	2002/12/1	20:00:00	19.5	94.3	0.0	115	0.8	0	1852	2002/12/6	04:00:00	23.2	96.5	0.2	355	0.5	0
1758	2002/12/1	21:00:00	19.2	95.6	0.0	89	0.2	0	1853	2002/12/6	05:00:00	23.1	96.6	0.0	94	0.6	0
1759	2002/12/1	22:00:00	19.4	95.8	0.0	3	0.6	0	1854	2002/12/6	06:00:00	23.2	96.5	0.0	11	0.8	39
1760	2002/12/1	23:00:00	19.4	96.3	0.0	78	0.5	0	1855	2002/12/6	07:00:00	24.2	92.0	0.0	52	0.8	127
1761	2002/12/2	00:00:00	19.1	96.3	0.0	127	0.9	0	1856	2002/12/6	08:00:00	25.9	82.7	0.0	352	1.8	544
1762	2002/12/2	01:00:00	19.2	96.6	0.0	79	0.4	0	1857	2002/12/6	09:00:00	25.7	85.8	0.0	239	4.0	558
1763	2002/12/2	02:00:00	19.0	96.8	0.0	118	0.1	0	1858	2002/12/6	10:00:00	28.4	75.7	0.0	163	2.1	1073
1764	2002/12/2	03:00:00	18.7	97.0	0.0	58	0.0	0	1859	2002/12/6	11:00:00	28.1	71.9	0.0	259	4.4	781
1765	2002/12/2	04:00:00	18.4	97.2	0.0	240	0.3	0	1860	2002/12/6	12:00:00	30.2	67.8	0.0	214	3.0	1277
1766	2002/12/2	05:00:00	18.6	97.3	0.0	277	0.4	0	1861	2002/12/6	13:00:00	28.8	72.3	0.0	245	2.1	288
1767	2002/12/2	06:00:00	18.8	97.5	0.0	16	0.1	41	1862	2002/12/6	14:00:00	27.3	81.4	0.8	97	3.0	282
1768	2002/12/2	07:00:00	22.4	84.7	0.0	93	0.7	252	1863	2002/12/6	15:00:00	26.1	87.3	0.0	350	1.5	256
1769	2002/12/2	08:00:00	25.3	72.7	0.0	97	0.6	397	1864	2002/12/6	16:00:00	26.2	81.6	0.0	297	3.6	231
1770	2002/12/2	09:00:00	25.9	71.5	0.0	276	0.9	295	1865	2002/12/6	17:00:00	24.8	88.5	0.0	232	3.0	71
1771	2002/12/2	10:00:00	27.0	67.9	0.0	60	4.3	481	1866	2002/12/6	18:00:00	24.1	90.9	0.0	261	1.3	31
1772	2002/12/2	11:00:00	26.1	71.8	0.0	69	3.4	463	1867	2002/12/6	19:00:00	23.9	92.0	0.0	178	0.7	0
1773	2002/12/2	12:00:00	26.0	73.3	0.0	62	4.1	354	1868	2002/12/6	20:00:00	23.6	92.8	0.0	242	1.4	0
1774	2002/12/2	13:00:00	24.9	81.5	0.0	60	3.5	397	1869	2002/12/6	21:00:00	23.4	94.3	0.0	261	0.7	0
1775	2002/12/2	14:00:00	24.4	84.4	0.0	114	3.4	349	1870	2002/12/6	22:00:00	23.4	95.6	0.6	109	0.6	0
1776	2002/12/2	15:00:00	24.0	85.5	0.0	50	2.8	235	1871	2002/12/6	23:00:00	23.1	96.0	3.0	69	0.7	0
1777	2002/12/2	16:00:00	23.7	87.5	0.0	57	2.6	156	1872	2002/12/7	00:00:00	23.0	95.8	0.0	1	0.8	0
1778	2002/12/2	17:00:00	24.0	83.7	0.0	56	3.0	105	1873	2002/12/7	01:00:00	23.0	95.2	0.0	321	0.8	0
1779	2002/12/2	18:00:00	23.7	85.3	0.0	55	1.6	26	1874	2002/12/7	02:00:00	22.8	95.7	0.0	77	0.3	0
1780	2002/12/2	19:00:00	22.4	93.5	0.0	127	0.3	0	1875	2002/12/7	03:00:00	22.7	96.1	0.0	96	0.5	0
1781	2002/12/2	20:00:00	22.2	94.7	0.4	130	1.1	0	1876	2002/12/7	04:00:00	22.5	96.4	0.0	71	0.3	0
1782	2002/12/2	21:00:00	22.2	95.9	0.6	75	0.9	0	1877	2002/12/7	05:00:00	22.4	96.5	0.0	58	0.6	0
1783	2002/12/2	22:00:00	22.2	96.1	0.0	95	0.6	0	1878	2002/12/7	06:00:00	22.5	96.7	0.0	64	0.5	20
1784	2002/12/2	23:00:00	22.2	96.3	0.2	63	1.0	0	1879	2002/12/7	07:00:00	23.3	96.0	0.0	52	0.8	207
1785	2002/12/3	00:00:00	22.1	96.4	0.2	107	1.3	0	1880	2002/12/7	08:00:00	25.3	85.4	0.0	41	0.9	313
1786	2002/12/3	01:00:00	22.1	96.5	0.4	143	0.9	0	1881	2002/12/7	09:00:00	26.3	78.6	0.0	81	3.2	682
1787	2002/12/3	02:00:00	22.0	96.6	0.8	85	0.2	0	1882	2002/12/7	10:00:00	27.3	73.6	0.0	339	3.2	437
1788	2002/12/3	03:00:00	21.9	95.7	0.8	298	0.5	0	1883	2002/12/7	11:00:00	28.9	68.4	0.0	68	2.7	543
1789	2002/12/3	04:00:00	22.0	96.6	0.4	71	0.4	0	1884	2002/12/7	12:00:00	28.5	75.2	0.0	91	3.4	416
1790	2002/12/3	05:00:00	22.0	96.7	0.2	127	0.1	0	1885	2002/12/7	13:00:00	29.9	69.4	0.0	118	4.7	1259
1791	2002/12/3	06:00:00	22.0	96.7	0.0	87	0.8	18	1886	2002/12/7	14:00:00	30.7	63.5	0.0	76	4.9	1022
1792	2002/12/3	07:00:00	22.5	96.2	0.2	20	0.6	87	1887	2002/12/7	15:00:00	29.6	70.8	0.0	106	6.2	293
1793	2002/12/3	08:00:00	23.4	92.9	0.2	27	1.0	135	1888	2002/12/7	16:00:00	28.1	73.2	0.0	86	4.4	81
1794	2002/12/3	09:00:00	24.2	89.6	0.0	52	2.2	225	1889	2002/12/7	17:00:00	26.7	79.5	0.0	76	4.5	20
1795	2002/12/3	10:00:00	26.4	82.4	0.2	13	2.9	865	1890	2002/12/7	18:00:00	25.5	88.8	0.0	52	3.5	2
1796	2002/12/3	11:00:00	25.2	86.8	0.0	9	2.5	566	1891	2002/12/7	19:00:00	24.6	94.1	0.4	70	1.2	0
1797	2002/12/3	12:00:00	26.5	77.9	0.0	88	4.9	507	1892	2002/12/7	20:00:00	24.5					



APPENDIX 3 Weather observation data in Namosi area (13)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
1920	2002/12/9	00:00:00	22.9	94.1	0.0	109	0.9	0	2016	2002/12/13	00:00:00	22.4	95.2	0.0	118	0.9	0
1921	2002/12/9	01:00:00	22.7	94.7	0.0	315	0.6	0	2017	2002/12/13	01:00:00	21.8	95.9	0.0	128	0.8	0
1922	2002/12/9	02:00:00	22.4	94.9	0.0	42	0.6	0	2018	2002/12/13	02:00:00	21.5	96.0	0.0	97	1.5	0
1923	2002/12/9	03:00:00	22.3	95.7	0.0	347	0.3	0	2019	2002/12/13	03:00:00	21.2	96.2	0.0	109	1.1	0
1924	2002/12/9	04:00:00	22.1	95.9	0.0	69	0.5	0	2020	2002/12/13	04:00:00	21.2	96.3	0.0	61	1.7	0
1925	2002/12/9	05:00:00	22.2	95.8	0.0	1	0.3	0	2021	2002/12/13	05:00:00	20.9	96.5	0.0	138	0.6	0
1926	2002/12/9	06:00:00	22.3	95.5	0.0	171	0.4	23	2022	2002/12/13	06:00:00	20.7	96.8	0.0	76	1.0	27
1927	2002/12/9	07:00:00	22.9	92.4	0.0	315	0.6	83	2023	2002/12/13	07:00:00	23.1	93.3	0.0	54	1.2	329
1928	2002/12/9	08:00:00	25.3	80.4	0.0	356	0.9	282	2024	2002/12/13	08:00:00	27.0	66.1	0.0	86	4.9	577
1929	2002/12/9	09:00:00	27.3	68.5	0.0	139	1.5	377	2025	2002/12/13	09:00:00	27.8	60.2	0.0	105	5.8	534
1930	2002/12/9	10:00:00	28.2	62.7	0.0	56	3.6	683	2026	2002/12/13	10:00:00	28.5	59.6	0.0	105	5.7	919
1931	2002/12/9	11:00:00	29.6	60.4	0.0	58	2.3	815	2027	2002/12/13	11:00:00	29.5	50.4	0.0	106	7.1	1033
1932	2002/12/9	12:00:00	29.1	64.1	0.0	68	4.4	567	2028	2002/12/13	12:00:00	30.1	48.6	0.0	104	6.9	1015
1933	2002/12/9	13:00:00	26.9	72.8	0.0	108	4.9	255	2029	2002/12/13	13:00:00	30.3	41.1	0.0	103	8.4	988
1934	2002/12/9	14:00:00	26.7	73.8	0.0	49	2.3	166	2030	2002/12/13	14:00:00	30.7	38.4	0.0	101	6.5	907
1935	2002/12/9	15:00:00	25.1	78.6	0.0	80	3.5	192	2031	2002/12/13	15:00:00	30.3	45.7	0.0	66	8.9	751
1936	2002/12/9	16:00:00	25.1	78.2	0.0	272	2.1	174	2032	2002/12/13	16:00:00	29.9	45.8	0.0	82	5.0	568
1937	2002/12/9	17:00:00	25.6	76.8	0.0	147	1.2	136	2033	2002/12/13	17:00:00	28.6	65.3	0.0	79	6.2	313
1938	2002/12/9	18:00:00	25.2	82.5	0.0	45	0.6	20	2034	2002/12/13	18:00:00	26.8	63.5	0.0	91	3.3	31
1939	2002/12/9	19:00:00	24.2	90.8	0.0	60	0.6	0	2035	2002/12/13	19:00:00	22.8	87.1	0.0	110	1.0	0
1940	2002/12/9	20:00:00	23.5	92.4	0.0	76	0.6	0	2036	2002/12/13	20:00:00	21.5	92.7	0.0	189	0.3	0
1941	2002/12/9	21:00:00	23.2	93.5	0.0	315	1.1	0	2037	2002/12/13	21:00:00	20.7	94.6	0.0	87	0.3	0
1942	2002/12/9	22:00:00	23.1	94.7	0.0	243	0.6	0	2038	2002/12/13	22:00:00	20.1	95.8	0.0	80	0.5	0
1943	2002/12/9	23:00:00	22.8	95.4	0.0	75	0.3	0	2039	2002/12/13	23:00:00	19.6	96.3	0.0	126	0.4	0
1944	2002/12/10	00:00:00	22.7	95.6	0.0	47	0.2	0	2040	2002/12/14	00:00:00	19.4	96.7	0.0	35	0.2	0
1945	2002/12/10	01:00:00	22.6	96.1	0.0	38	1.3	0	2041	2002/12/14	01:00:00	19.4	96.8	0.0	127	0.4	0
1946	2002/12/10	02:00:00	22.5	94.2	0.0	95	0.5	0	2042	2002/12/14	02:00:00	19.4	97.1	0.0	13	0.8	0
1947	2002/12/10	03:00:00	22.2	95.6	0.4	358	1.1	0	2043	2002/12/14	03:00:00	19.2	97.2	0.0	88	0.4	0
1948	2002/12/10	04:00:00	22.3	95.6	0.0	45	1.4	0	2044	2002/12/14	04:00:00	19.0	97.4	0.0	16	0.5	0
1949	2002/12/10	05:00:00	22.1	96.1	0.6	69	0.4	0	2045	2002/12/14	05:00:00	19.2	97.4	0.4	74	1.2	0
1950	2002/12/10	06:00:00	22.0	96.0	0.2	122	0.8	15	2046	2002/12/14	06:00:00	19.2	97.4	0.0	344	0.6	11
1951	2002/12/10	07:00:00	22.5	94.5	1.4	120	1.3	95	2047	2002/12/14	07:00:00	20.5	97.7	0.4	241	1.7	315
1952	2002/12/10	08:00:00	24.0	84.8	0.0	112	1.1	237	2048	2002/12/14	08:00:00	25.0	78.1	0.0	40	1.2	624
1953	2002/12/10	09:00:00	25.1	84.6	0.0	2	1.2	211	2049	2002/12/14	09:00:00	26.7	61.1	0.0	63	7.0	800
1954	2002/12/10	10:00:00	26.4	76.4	0.0	32	1.8	363	2050	2002/12/14	10:00:00	28.1	49.4	0.0	60	5.8	919
1955	2002/12/10	11:00:00	27.7	70.7	0.0	69	4.4	976	2051	2002/12/14	11:00:00	28.9	44.8	0.0	61	5.3	966
1956	2002/12/10	12:00:00	28.5	57.8	0.0	98	3.7	1002	2052	2002/12/14	12:00:00	29.1	53.1	0.0	58	6.1	1075
1957	2002/12/10	13:00:00	29.1	55.0	0.0	90	5.2	1138	2053	2002/12/14	13:00:00	29.4	50.4	0.0	156	4.4	1018
1958	2002/12/10	14:00:00	28.7	55.6	0.0	80	5.9	819	2054	2002/12/14	14:00:00	28.9	48.8	0.0	119	6.2	890
1959	2002/12/10	15:00:00	29.4	50.2	0.0	162	4.4	839	2055	2002/12/14	15:00:00	28.2	50.2	0.0	90	5.8	774
1960	2002/12/10	16:00:00	28.6	56.7	0.0	154	4.5	624	2056	2002/12/14	16:00:00	27.8	48.7	0.0	106	5.0	583
1961	2002/12/10	17:00:00	27.3	61.4	0.0	142	4.3	327	2057	2002/12/14	17:00:00	26.2	57.1	0.0	340	4.7	85
1962	2002/12/10	18:00:00	25.3	71.0	0.0	134	5.0	34	2058	2002/12/14	18:00:00	24.8	68.9	0.0	109	2.8	31
1963	2002/12/10	19:00:00	22.5	87.6	0.0	140	0.6	0	2059	2002/12/14	19:00:00	22.4	85.0	0.0	61	2.6	0
1964	2002/12/10	20:00:00	21.8	93.0	0.0	62	0.4	0	2060	2002/12/14	20:00:00	20.6	91.6	0.0	125	0.9	0
1965	2002/12/10	21:00:00	21.4	94.7	0.0	114	0.4	0	2061	2002/12/14	21:00:00	19.9	94.7	0.0	116	0.6	0
1966	2002/12/10	22:00:00	21.2	95.8	0.0	74	0.6	0	2062	2002/12/14	22:00:00	19.9	95.6	0.0	75	1.0	0
1967	2002/12/10	23:00:00	21.5	96.0	0.0	358	0.8	0	2063	2002/12/14	23:00:00	20.1	95.8	0.0	65	0.7	0
1968	2002/12/11	00:00:00	21.5	96.1	0.0	68	0.5	0	2064	2002/12/15	00:00:00	20.4	95.4	0.0	47	1.2	0
1969	2002/12/11	01:00:00	21.6	96.2	0.0	356	0.4	0	2065	2002/12/15	01:00:00	20.8	95.2	0.2	90	1.5	0
1970	2002/12/11	02:00:00	21.6	96.2	0.0	77	0.5	0	2066	2002/12/15	02:00:00	21.0	95.9	0.4	239	0.7	0
1971	2002/12/11	03:00:00	21.5	96.4	0.0	58	0.6	0	2067	2002/12/15	03:00:00	21.2	96.0	0.4	38	1.1	0
1972	2002/12/11	04:00:00	21.0	96.7	0.0	87	0.2	0	2068	2002/12/15	04:00:00	21.3	96.1	0.4	268	0.9	0
1973	2002/12/11	05:00:00	20.9	96.9	0.0	60	0.0	0	2069	2002/12/15	05:00:00	21.5	96.3	0.2	162	1.4	0
1974	2002/12/11	06:00:00	20.6	97.1	0.0	126	0.6	22	2070	2002/12/15	06:00:00	21.9	95.7	0.8	302	1.3	13
1975	2002/12/11	07:00:00	21.1	97.0	0.0	43	1.0	292	2071	2002/12/15	07:00:00	23.2	93.9	0.2	315	1.8	117
1976	2002/12/11	08:00:00	24.6	84.2	0.0	68	0.8	653	2072	2002/12/15	08:00:00	24.4	88.9	0.0	330	2.4	237
1977	2002/12/11	09:00:00	26.5	71.8	0.0	64	3.0	307	2073	2002/12/15	09:00:00	25.3	82.0	0.0	60	2.7	186
1978	2002/12/11	10:00:00	27.0	68.0	0.0	61	2.4	310	2074	2002/12/15	10:00:00	26.1	85.1	0.4	4	2.8	334
1979	2002/12/11	11:00:00	29.3	55.9	0.0	69	4.9	1141	2075	2002/12/15	11:00:00	25.8	80.9	0.2	90	5.5	456
1980	2002/12/11	12:00:00	29.5	59.4	0.0	94	5.2	1194	2076	2002/12/15	12:00:00	25.7	84.4	0.2	69	4.5	363
1981	2002/12/11	13:00:00	29.0	60.0	0.0	97	5.3	370	2077	2002/12/15	13:00:00	25.7	85.8	0.0	68	3.4	340
1982	2002/12/11	14:00:00	29.2	58.5	0.0	73	7.8	323	2078	2002/12/15	14:00:00	26.4	81.4	0.2	120	7.7	401
1983	2002/12/11	15:00:00	28.4	63.1	0.0	90	5.7	254	2079	2002/12/15	15:00:00	25.5	83.9	0.0	102	5.5	262
1984	2002/12/11	16:00:00	27.7	64.1	0.0	81	6.0	216	2080	2002/12/15	16:00:00	24.6	89.8	0.2	343	0.6	136
1985	2002/12/11	17:00:00	27.0	67.2	0.0	95	4.4	154	2081	2002/12/15	17:00:00	24.7	91.9	1.0	291	3.0	59
1986	2002/12/11	18:00:00	25.7	73.4	0.0	70	4.1	48	2082	2002/12/15	18:00:00	24.2	93.9	1.4	40	1.5	20
1987	2002/12/11	19:00:00	23.7	84.6	0.0	97	1.4	0	2083	2002/12/15	19:00:00	24.0	94.5	2.0	32	2.1	0

APPENDIX 3 Weather observation data in Namosi area (14)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
2112	2002/12/17	00:00:00	24.5	95.6	1.2	65	0.6	0	2208	2002/12/21	00:00:00	22.1	97.4	1.0	113	0.9	0
2113	2002/12/17	01:00:00	24.3	96.0	7.2	134	1.2	0	2209	2002/12/21	01:00:00	22.2	97.4	1.4	140	1.2	0
2114	2002/12/17	02:00:00	24.3	94.6	2.2	77	3.9	0	2210	2002/12/21	02:00:00	22.3	97.4	0.2	90	0.9	0
2115	2002/12/17	03:00:00	24.0	93.3	0.4	17	1.7	0	2211	2002/12/21	03:00:00	22.3	97.4	1.6	72	0.8	0
2116	2002/12/17	04:00:00	23.8	95.4	0.0	91	0.7	0	2212	2002/12/21	04:00:00	22.2	97.5	0.2	26	0.7	0
2117	2002/12/17	05:00:00	23.6	95.9	0.8	147	0.6	0	2213	2002/12/21	05:00:00	22.2	97.5	0.0	82	0.3	0
2118	2002/12/17	06:00:00	23.9	96.0	0.2	86	0.6	30	2214	2002/12/21	06:00:00	22.3	97.5	0.0	118	1.1	31
2119	2002/12/17	07:00:00	24.2	95.7	0.8	63	0.5	55	2215	2002/12/21	07:00:00	22.6	97.4	0.0	64	0.8	41
2120	2002/12/17	08:00:00	25.1	93.8	1.2	346	1.1	128	2216	2002/12/21	08:00:00	23.4	97.2	0.0	54	1.2	254
2121	2002/12/17	09:00:00	26.6	85.7	0.0	64	4.1	233	2217	2002/12/21	09:00:00	25.0	95.3	0.0	66	1.2	349
2122	2002/12/17	10:00:00	26.6	87.7	0.2	101	4.9	720	2218	2002/12/21	10:00:00	26.6	87.5	0.0	89	4.1	473
2123	2002/12/17	11:00:00	28.1	77.7	0.2	100	3.9	588	2219	2002/12/21	11:00:00	27.8	79.3	0.0	104	3.1	261
2124	2002/12/17	12:00:00	28.4	81.4	0.0	76	4.5	940	2220	2002/12/21	12:00:00	26.5	82.8	0.0	115	2.7	257
2125	2002/12/17	13:00:00	27.3	85.8	0.4	64	2.1	241	2221	2002/12/21	13:00:00	27.1	78.5	0.0	109	3.2	319
2126	2002/12/17	14:00:00	27.6	82.7	2.2	74	3.9	304	2222	2002/12/21	14:00:00	27.3	79.4	0.0	76	2.4	281
2127	2002/12/17	15:00:00	26.1	89.3	0.8	23	3.5	124	2223	2002/12/21	15:00:00	25.5	89.4	0.4	93	4.7	75
2128	2002/12/17	16:00:00	25.5	92.8	0.8	27	2.4	154	2224	2002/12/21	16:00:00	25.3	90.2	1.4	50	1.4	158
2129	2002/12/17	17:00:00	25.1	92.0	0.4	17	1.8	78	2225	2002/12/21	17:00:00	25.2	91.4	0.0	55	1.7	47
2130	2002/12/17	18:00:00	25.2	91.3	0.0	60	2.1	46	2226	2002/12/21	18:00:00	25.0	93.1	0.0	123	1.9	13
2131	2002/12/17	19:00:00	24.8	94.6	0.0	52	1.5	0	2227	2002/12/21	19:00:00	24.4	92.9	0.0	40	2.6	0
2132	2002/12/17	20:00:00	24.3	94.6	0.0	61	1.3	0	2228	2002/12/21	20:00:00	24.0	95.3	4.8	307	1.3	0
2133	2002/12/17	21:00:00	24.1	95.2	0.2	273	1.5	0	2229	2002/12/21	21:00:00	23.8	95.7	0.2	139	1.1	0
2134	2002/12/17	22:00:00	24.0	95.6	1.4	336	0.5	0	2230	2002/12/21	22:00:00	23.8	95.5	0.2	148	0.9	0
2135	2002/12/17	23:00:00	23.8	95.7	2.2	61	0.7	0	2231	2002/12/21	23:00:00	23.7	95.6	0.0	95	1.0	0
2136	2002/12/18	00:00:00	23.7	96.0	0.0	47	0.4	0	2232	2002/12/22	00:00:00	23.6	95.6	0.4	114	0.9	0
2137	2002/12/18	01:00:00	23.3	96.2	0.0	100	0.6	0	2233	2002/12/22	01:00:00	23.2	96.3	10.0	43	1.3	0
2138	2002/12/18	02:00:00	23.1	96.3	0.2	289	1.0	0	2234	2002/12/22	02:00:00	23.1	96.2	2.2	140	0.6	0
2139	2002/12/18	03:00:00	23.0	96.2	0.0	64	0.6	0	2235	2002/12/22	03:00:00	23.0	96.3	1.4	184	0.8	0
2140	2002/12/18	04:00:00	22.8	96.0	0.0	238	0.6	0	2236	2002/12/22	04:00:00	23.0	96.5	0.2	40	0.5	0
2141	2002/12/18	05:00:00	22.7	96.2	0.0	271	0.4	0	2237	2002/12/22	05:00:00	23.0	96.6	0.0	42	0.7	0
2142	2002/12/18	06:00:00	22.5	96.2	0.0	336	1.4	19	2238	2002/12/22	06:00:00	22.9	96.6	4.4	5	1.0	12
2143	2002/12/18	07:00:00	22.8	95.8	0.0	325	1.3	68	2239	2002/12/22	07:00:00	23.2	96.8	2.8	122	0.6	87
2144	2002/12/18	08:00:00	26.2	81.4	0.0	337	1.7	544	2240	2002/12/22	08:00:00	23.5	95.5	6.8	305	0.9	91
2145	2002/12/18	09:00:00	29.1	74.3	0.0	28	1.5	241	2241	2002/12/22	09:00:00	23.8	92.3	3.8	44	1.7	190
2146	2002/12/18	10:00:00	30.2	67.9	0.0	258	3.7	802	2242	2002/12/22	10:00:00	24.4	89.0	0.8	94	3.1	407
2147	2002/12/18	11:00:00	31.3	60.7	0.0	248	4.7	975	2243	2002/12/22	11:00:00	24.8	83.7	0.0	100	3.3	591
2148	2002/12/18	12:00:00	32.4	56.8	0.0	276	4.0	1113	2244	2002/12/22	12:00:00	24.9	88.9	1.6	27	1.8	417
2149	2002/12/18	13:00:00	33.4	59.1	0.0	256	3.1	329	2245	2002/12/22	13:00:00	25.1	90.0	0.6	17	2.0	475
2150	2002/12/18	14:00:00	27.8	80.1	0.0	144	7.7	97	2246	2002/12/22	14:00:00	25.5	85.3	0.0	78	4.3	121
2151	2002/12/18	15:00:00	25.4	95.4	10.4	50	2.1	40	2247	2002/12/22	15:00:00	26.1	84.4	0.0	33	2.8	290
2152	2002/12/18	16:00:00	25.4	96.0	1.0	299	1.1	15	2248	2002/12/22	16:00:00	26.9	82.6	0.0	51	2.8	126
2153	2002/12/18	17:00:00	25.9	95.2	0.2	116	1.3	233	2249	2002/12/22	17:00:00	25.2	89.1	0.0	69	1.9	67
2154	2002/12/18	18:00:00	25.8	92.5	0.0	29	1.7	93	2250	2002/12/22	18:00:00	24.4	91.7	0.0	65	1.4	28
2155	2002/12/18	19:00:00	24.9	93.2	0.2	111	1.8	0	2251	2002/12/22	19:00:00	23.9	94.3	0.0	38	0.8	0
2156	2002/12/18	20:00:00	24.1	95.6	6.2	91	0.7	0	2252	2002/12/22	20:00:00	23.4	95.2	0.0	32	0.0	0
2157	2002/12/18	21:00:00	23.9	96.0	0.0	173	1.3	0	2253	2002/12/22	21:00:00	23.3	96.0	0.0	93	0.6	0
2158	2002/12/18	22:00:00	23.9	96.2	0.0	114	1.2	0	2254	2002/12/22	22:00:00	23.3	96.2	0.0	40	0.6	0
2159	2002/12/18	23:00:00	23.9	96.1	0.0	80	2.8	0	2255	2002/12/22	23:00:00	23.3	96.3	0.0	105	0.3	0
2160	2002/12/19	00:00:00	23.3	96.0	0.0	190	0.8	0	2256	2002/12/23	00:00:00	23.2	96.3	0.0	325	0.6	0
2161	2002/12/19	01:00:00	23.2	96.5	0.0	87	0.6	0	2257	2002/12/23	01:00:00	23.2	96.5	0.0	170	0.4	0
2162	2002/12/19	02:00:00	22.9	96.7	0.0	311	0.0	0	2258	2002/12/23	02:00:00	23.2	96.4	0.0	11	0.6	0
2163	2002/12/19	03:00:00	22.6	96.8	0.2	28	0.7	0	2259	2002/12/23	03:00:00	23.2	96.6	0.0	87	0.5	0
2164	2002/12/19	04:00:00	22.5	97.0	0.0	73	1.1	0	2260	2002/12/23	04:00:00	23.2	96.7	0.0	95	0.8	0
2165	2002/12/19	05:00:00	22.4	97.1	0.0	198	0.2	0	2261	2002/12/23	05:00:00	23.3	96.7	0.2	77	0.5	0
2166	2002/12/19	06:00:00	22.4	97.2	0.0	13	0.7	29	2262	2002/12/23	06:00:00	23.3	96.7	0.0	66	0.6	12
2167	2002/12/19	07:00:00	22.8	96.8	0.0	58	1.2	244	2263	2002/12/23	07:00:00	23.6	96.5	1.8	325	0.4	38
2168	2002/12/19	08:00:00	25.3	89.1	0.0	252	1.0	487	2264	2002/12/23	08:00:00	24.9	91.5	0.8	57	0.4	304
2169	2002/12/19	09:00:00	28.5	78.4	0.0	73	2.0	686	2265	2002/12/23	09:00:00	25.3	89.4	1.8	347	1.6	126
2170	2002/12/19	10:00:00	31.5	67.7	0.0	60	1.9	881	2266	2002/12/23	10:00:00	26.3	86.9	2.0	53	2.5	245
2171	2002/12/19	11:00:00	32.7	58.9	0.0	82	3.5	1233	2267	2002/12/23	11:00:00	27.0	80.5	0.4	70	5.0	285
2172	2002/12/19	12:00:00	33.0	62.6	0.0	360	3.2	453	2268	2002/12/23	12:00:00	26.1	80.6	0.0	105	4.0	276
2173	2002/12/19	13:00:00	28.8	79.3	0.0	192	2.1	401	2269	2002/12/23	13:00:00	27.4	79.5	0.0	100	6.6	658
2174	2002/12/19	14:00:00	28.0	84.7	2.4	229	1.5	174	2270	2002/12/23	14:00:00	27.1	78.7	0.0	97	3.3	380
2175	2002/12/19	15:00:00	23.9	96.6	20.0	116	1.9	197	2271	2002/12/23	15:00:00	26.0	86.9	0.0	8	2.0	112
2176	2002/12/19	16:00:00	25.5	93.4	0.0	39	2.8	271	2272	2002/12/23	16:00:00	26.7	79.1	0.0	105	4.3	236
2177	2002/12/19	17:00:00	26.4	88.5	0.0	20	0.9	45	2273	2002/12/23	17:00:00	25.9	82.9	0.0	63	2.3	145
2178	2002/12/19	18:00:00	25.7	90.9	0.0	343	1.7	38	2274	2002/12/23	18:00:00	24.7	90.6	0.0	33	1.7	27
2179	2002/12/19	19:00:00	25.1	94.6	0.2	331	1.3	0	2275	2002/12/23	19:00:00	24.4	93.7	0.2	68	0.6	

APPENDIX 3 Weather observation data in Namosi area (15)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
	yyyy/mm/dd	hh:mm:ss	°C	%	mm	degree	m/s	kW/m2		yyyy/mm/dd	hh:mm:ss	°C	%	mm	degree	m/s	kW/m2
2304	2002/12/25	00:00:00	24.5	95.5	2.0	144	0.8	0	2400	2002/12/29	00:00:00	23.1	95.1	0.0	110	0.5	0
2305	2002/12/25	01:00:00	24.5	95.9	1.8	359	1.1	0	2401	2002/12/29	01:00:00	22.6	95.5	0.0	75	0.8	0
2306	2002/12/25	02:00:00	24.4	96.1	0.6	3	0.9	0	2402	2002/12/29	02:00:00	22.2	96.0	0.0	114	0.7	0
2307	2002/12/25	03:00:00	24.3	96.3	0.4	310	0.6	0	2403	2002/12/29	03:00:00	22.2	96.2	0.0	106	0.4	0
2308	2002/12/25	04:00:00	24.3	96.1	0.0	209	0.9	0	2404	2002/12/29	04:00:00	22.2	96.2	0.0	21	1.1	0
2309	2002/12/25	05:00:00	24.2	95.8	1.6	248	1.0	0	2405	2002/12/29	05:00:00	22.0	96.3	0.0	100	0.9	0
2310	2002/12/25	06:00:00	24.2	95.9	0.4	144	0.5	18	2406	2002/12/29	06:00:00	21.9	96.6	0.0	96	1.2	15
2311	2002/12/25	07:00:00	24.8	94.9	0.6	1	0.9	92	2407	2002/12/29	07:00:00	22.4	95.7	0.0	49	0.9	83
2312	2002/12/25	08:00:00	25.8	90.7	0.4	45	2.4	193	2408	2002/12/29	08:00:00	25.1	86.0	0.0	341	1.4	384
2313	2002/12/25	09:00:00	26.4	85.1	0.0	46	3.9	203	2409	2002/12/29	09:00:00	26.3	77.3	0.0	59	3.4	569
2314	2002/12/25	10:00:00	26.9	88.9	0.4	73	3.5	430	2410	2002/12/29	10:00:00	27.0	74.5	0.0	81	4.4	637
2315	2002/12/25	11:00:00	27.4	80.3	0.0	65	4.6	482	2411	2002/12/29	11:00:00	27.1	70.3	0.0	66	5.3	460
2316	2002/12/25	12:00:00	28.3	79.5	0.0	62	4.1	241	2412	2002/12/29	12:00:00	29.0	74.0	0.0	80	6.5	1217
2317	2002/12/25	13:00:00	28.3	82.6	0.6	62	3.5	276	2413	2002/12/29	13:00:00	30.5	62.8	0.0	82	5.5	1404
2318	2002/12/25	14:00:00	27.2	86.7	1.2	60	2.2	468	2414	2002/12/29	14:00:00	30.0	62.9	0.0	76	7.3	1011
2319	2002/12/25	15:00:00	26.9	86.8	0.4	95	3.1	199	2415	2002/12/29	15:00:00	28.9	64.0	0.0	79	6.1	924
2320	2002/12/25	16:00:00	26.8	87.4	0.2	92	2.7	181	2416	2002/12/29	16:00:00	28.1	67.3	0.0	88	9.4	254
2321	2002/12/25	17:00:00	25.8	91.2	0.6	53	3.2	63	2417	2002/12/29	17:00:00	27.0	72.5	0.0	106	4.8	110
2322	2002/12/25	18:00:00	25.3	93.6	1.6	29	1.6	26	2418	2002/12/29	18:00:00	26.1	77.8	0.0	77	2.7	39
2323	2002/12/25	19:00:00	24.8	93.9	1.4	75	0.9	2	2419	2002/12/29	19:00:00	24.7	88.9	0.0	72	0.7	0
2324	2002/12/25	20:00:00	24.4	95.3	0.0	119	0.4	0	2420	2002/12/29	20:00:00	24.2	92.1	0.0	119	0.9	0
2325	2002/12/25	21:00:00	24.2	95.4	0.0	231	1.0	0	2421	2002/12/29	21:00:00	23.9	93.8	0.0	87	1.0	0
2326	2002/12/25	22:00:00	23.9	96.0	0.0	40	0.9	0	2422	2002/12/29	22:00:00	23.7	94.9	0.2	85	0.8	0
2327	2002/12/25	23:00:00	24.0	96.1	0.0	176	0.5	0	2423	2002/12/29	23:00:00	23.5	95.3	0.0	57	1.1	0
2328	2002/12/26	00:00:00	24.0	96.2	0.0	99	0.9	0	2424	2002/12/30	00:00:00	23.4	95.8	0.0	63	0.4	0
2329	2002/12/26	01:00:00	23.8	96.5	0.0	50	0.5	0	2425	2002/12/30	01:00:00	23.3	95.9	0.0	117	0.6	0
2330	2002/12/26	02:00:00	23.8	96.5	0.0	128	0.5	0	2426	2002/12/30	02:00:00	23.0	96.0	0.0	29	0.6	0
2331	2002/12/26	03:00:00	23.8	96.6	0.0	10	0.5	0	2427	2002/12/30	03:00:00	23.0	95.9	0.0	341	0.8	0
2332	2002/12/26	04:00:00	23.9	96.5	0.0	74	0.9	0	2428	2002/12/30	04:00:00	22.8	96.0	0.2	32	0.8	0
2333	2002/12/26	05:00:00	23.9	96.6	0.0	76	0.3	0	2429	2002/12/30	05:00:00	22.7	95.7	0.2	78	0.5	0
2334	2002/12/26	06:00:00	24.1	96.6	0.0	132	0.5	16	2430	2002/12/30	06:00:00	22.8	93.7	0.0	95	1.5	14
2335	2002/12/26	07:00:00	25.1	94.6	0.3	46	0.3	64	2431	2002/12/30	07:00:00	23.0	94.0	0.2	60	0.4	79
2336	2002/12/26	08:00:00	26.7	86.7	0.0	60	2.8	463	2432	2002/12/30	08:00:00	24.2	88.7	0.0	32	0.8	83
2337	2002/12/26	09:00:00	29.1	75.5	0.0	81	3.9	813	2433	2002/12/30	09:00:00	24.6	87.0	0.0	52	1.3	133
2338	2002/12/26	10:00:00	29.3	74.3	0.0	78	6.4	685	2434	2002/12/30	10:00:00	24.0	91.7	0.6	72	2.8	263
2339	2002/12/26	11:00:00	30.1	73.0	0.0	96	5.4	680	2435	2002/12/30	11:00:00	25.0	88.4	0.2	43	2.1	464
2340	2002/12/26	12:00:00	30.7	67.3	0.0	75	7.1	1131	2436	2002/12/30	12:00:00	25.4	83.0	0.2	45	2.7	375
2341	2002/12/26	13:00:00	25.6	91.9	5.0	115	7.1	289	2437	2002/12/30	13:00:00	25.1	84.7	0.2	72	2.4	276
2342	2002/12/26	14:00:00	28.4	81.7	2.4	67	2.9	614	2438	2002/12/30	14:00:00	24.9	88.3	0.0	104	3.3	122
2343	2002/12/26	15:00:00	27.6	85.0	0.2	102	2.0	216	2439	2002/12/30	15:00:00	25.1	86.7	0.0	71	1.8	98
2344	2002/12/26	16:00:00	27.7	81.2	0.0	133	2.6	105	2440	2002/12/30	16:00:00	25.7	81.4	0.0	79	3.1	152
2345	2002/12/26	17:00:00	27.2	85.6	0.2	64	2.2	88	2441	2002/12/30	17:00:00	25.8	78.1	0.0	82	5.8	120
2346	2002/12/26	18:00:00	26.6	89.3	0.0	98	3.3	33	2442	2002/12/30	18:00:00	25.1	82.2	0.0	79	3.5	13
2347	2002/12/26	19:00:00	25.8	93.5	0.0	326	0.7	0	2443	2002/12/30	19:00:00	24.8	81.3	0.0	95	4.0	0
2348	2002/12/26	20:00:00	25.4	95.0	0.2	125	0.4	0	2444	2002/12/30	20:00:00	24.0	86.4	0.0	83	2.3	0
2349	2002/12/26	21:00:00	25.1	94.3	0.6	81	2.5	0	2445	2002/12/30	21:00:00	23.4	88.8	0.0	56	1.8	0
2350	2002/12/26	22:00:00	25.1	94.9	0.2	188	0.7	0	2446	2002/12/30	22:00:00	24.3	81.3	0.0	87	3.3	0
2351	2002/12/26	23:00:00	25.1	94.1	0.2	83	2.0	0	2447	2002/12/30	23:00:00	23.9	84.8	0.0	65	2.5	0
2352	2002/12/27	00:00:00	25.1	94.0	0.0	9	0.9	0	2448	2002/12/31	00:00:00	22.9	91.3	0.0	96	1.0	0
2353	2002/12/27	01:00:00	24.7	95.5	2.0	348	0.8	0	2449	2002/12/31	01:00:00	22.7	93.7	0.0	87	0.6	0
2354	2002/12/27	02:00:00	24.6	94.4	0.8	52	1.8	0	2450	2002/12/31	02:00:00	22.7	94.0	0.0	102	1.1	0
2355	2002/12/27	03:00:00	24.5	95.3	2.0	355	0.5	0	2451	2002/12/31	03:00:00	22.7	95.1	0.0	117	0.8	0
2356	2002/12/27	04:00:00	24.5	95.4	0.0	157	0.8	0	2452	2002/12/31	04:00:00	22.9	94.8	0.0	353	2.9	0
2357	2002/12/27	05:00:00	24.5	95.0	0.2	236	0.5	0	2453	2002/12/31	05:00:00	23.7	90.1	0.0	72	3.1	0
2358	2002/12/27	06:00:00	24.5	95.2	0.0	330	0.4	8	2454	2002/12/31	06:00:00	24.5	85.6	0.0	98	3.5	5
2359	2002/12/27	07:00:00	24.9	91.4	0.4	63	2.8	40	2455	2002/12/31	07:00:00	24.6	85.4	0.0	125	5.2	45
2360	2002/12/27	08:00:00	25.2	89.5	0.0	70	2.6	104	2456	2002/12/31	08:00:00	24.5	86.2	0.0	118	6.0	22
2361	2002/12/27	09:00:00	25.6	89.3	0.2	99	3.1	316	2457	2002/12/31	09:00:00	24.9	84.1	0.0	104	4.6	92
2362	2002/12/27	10:00:00	26.2	88.7	0.0	55	3.4	425	2458	2002/12/31	10:00:00	25.2	80.2	0.0	79	4.9	130
2363	2002/12/27	11:00:00	26.6	85.5	0.2	66	3.4	885	2459	2002/12/31	11:00:00	25.9	81.0	0.0	20	2.8	185
2364	2002/12/27	12:00:00	28.9	75.0	0.0	81	4.7	1285	2460	2002/12/31	12:00:00	25.6	78.2	0.0	87	5.6	130
2365	2002/12/27	13:00:00	27.9	80.7	0.0	54	4.5	299	2461	2002/12/31	13:00:00	25.2	84.6	0.4	80	3.6	99
2366	2002/12/27	14:00:00	28.3	76.8	0.2	61	4.6	334	2462	2002/12/31	14:00:00	25.9	84.1	0.4	61	4.7	224
2367	2002/12/27	15:00:00	28.3	76.1	0.0	117	3.7	257	2463	2002/12/31	15:00:00	25.4	79.5	0.0	99	10.0	132
2368	2002/12/27	16:00:00	27.2	74.9	0.0	89	5.1	147	2464	2002/12/31	16:00:00	25.6	78.7	0.0	85	5.0	68
2369	2002/12/27	17:00:00	26.4	84.5	0.0	25	1.4	71	2465	2002/12/31	17:00:00	25.5	81.0	0.0	91	8.4	80
2370	2002/12/27	18:00:00	26.4	85.2	0.0	36	0.7	32	2466	2002/12/31	18:00:00	25.2	80.9	0.0	95	5.8	41
2371	2002/12/27	19:00:00	25.3	90.2	0.0	86	1.2	0	2467	2002/12/31	19:00:00	25.4	79.9	0.0	98	9.8	0
2372	2002/12/27	20:00:00	24.8	93.5	0.0	106											

APPENDIX 3 Weather observation data in Namosi area (16)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
2496	2003/1/2	00:00:00	22.5	96.8	0.0	314	0.9	0	2592	2003/1/6	00:00:00	22.4	96.5	0.0	22	0.6	0
2497	2003/1/2	01:00:00	22.2	96.8	0.0	98	0.5	0	2593	2003/1/6	01:00:00	21.9	96.6	0.0	226	0.4	0
2498	2003/1/2	02:00:00	22.3	97.0	0.0	267	1.5	0	2594	2003/1/6	02:00:00	21.6	96.8	0.0	150	0.5	0
2499	2003/1/2	03:00:00	22.0	97.0	0.0	113	0.6	0	2595	2003/1/6	03:00:00	21.4	97.0	0.0	115	0.5	0
2500	2003/1/2	04:00:00	22.3	97.1	0.0	83	0.8	0	2596	2003/1/6	04:00:00	21.3	97.1	0.0	175	0.7	0
2501	2003/1/2	05:00:00	22.2	97.1	0.0	54	0.7	0	2597	2003/1/6	05:00:00	21.1	97.2	0.0	225	0.6	0
2502	2003/1/2	06:00:00	22.2	97.1	0.0	125	0.3	14	2598	2003/1/6	06:00:00	20.9	97.3	0.0	334	0.8	11
2503	2003/1/2	07:00:00	22.6	96.8	0.0	267	0.8	131	2599	2003/1/6	07:00:00	21.0	97.1	0.0	54	0.8	31
2504	2003/1/2	08:00:00	25.6	87.0	0.0	80	1.3	530	2600	2003/1/6	08:00:00	22.0	96.6	0.0	353	1.1	220
2505	2003/1/2	09:00:00	29.0	62.3	0.0	221	4.3	665	2601	2003/1/6	09:00:00	27.3	73.3	0.0	16	2.2	758
2506	2003/1/2	10:00:00	29.4	60.6	0.0	245	2.6	278	2602	2003/1/6	10:00:00	28.3	70.0	0.0	266	3.1	377
2507	2003/1/2	11:00:00	31.9	55.4	0.0	262	3.3	1064	2603	2003/1/6	11:00:00	29.7	64.5	0.0	234	1.7	272
2508	2003/1/2	12:00:00	30.8	57.4	0.0	264	3.9	315	2604	2003/1/6	12:00:00	31.4	60.3	0.0	84	4.4	1009
2509	2003/1/2	13:00:00	31.3	59.1	0.0	68	4.7	313	2605	2003/1/6	13:00:00	31.9	62.0	0.0	82	4.2	1147
2510	2003/1/2	14:00:00	32.5	54.0	0.0	85	3.2	982	2606	2003/1/6	14:00:00	31.0	65.0	0.0	105	4.2	241
2511	2003/1/2	15:00:00	31.5	62.9	0.0	59	4.4	847	2607	2003/1/6	15:00:00	29.2	71.6	0.0	76	3.8	156
2512	2003/1/2	16:00:00	30.0	65.5	0.0	143	2.2	168	2608	2003/1/6	16:00:00	27.8	83.4	0.2	283	2.5	185
2513	2003/1/2	17:00:00	29.5	68.0	0.0	106	3.5	284	2609	2003/1/6	17:00:00	27.6	81.3	0.0	118	1.9	77
2514	2003/1/2	18:00:00	28.1	67.6	0.0	135	4.0	42	2610	2003/1/6	18:00:00	26.4	90.1	0.2	210	1.1	12
2515	2003/1/2	19:00:00	26.1	83.2	0.0	87	1.0	1	2611	2003/1/6	19:00:00	25.8	91.9	0.0	245	1.0	1
2516	2003/1/2	20:00:00	25.1	89.8	0.0	90	0.7	0	2612	2003/1/6	20:00:00	25.4	94.0	0.0	61	0.7	0
2517	2003/1/2	21:00:00	24.6	92.9	0.0	246	1.2	0	2613	2003/1/6	21:00:00	24.8	94.6	0.0	99	0.6	0
2518	2003/1/2	22:00:00	24.3	94.3	0.0	123	0.8	0	2614	2003/1/6	22:00:00	24.2	94.8	0.0	40	0.7	0
2519	2003/1/2	23:00:00	24.2	95.2	0.0	115	0.6	0	2615	2003/1/6	23:00:00	24.0	95.8	0.0	126	0.1	0
2520	2003/1/3	00:00:00	24.1	95.4	0.0	80	0.5	0	2616	2003/1/7	00:00:00	23.9	95.9	0.0	24	0.4	0
2521	2003/1/3	01:00:00	23.8	95.7	0.0	353	0.8	0	2617	2003/1/7	01:00:00	23.7	96.4	0.0	72	0.4	0
2522	2003/1/3	02:00:00	23.4	96.1	0.0	255	0.3	0	2618	2003/1/7	02:00:00	23.7	96.5	0.0	180	0.2	0
2523	2003/1/3	03:00:00	22.9	96.2	0.0	241	0.9	0	2619	2003/1/7	03:00:00	23.6	96.5	0.0	65	0.6	0
2524	2003/1/3	04:00:00	22.5	96.8	0.0	277	1.0	0	2620	2003/1/7	04:00:00	23.5	96.6	0.0	72	0.4	0
2525	2003/1/3	05:00:00	22.6	96.8	0.0	9	0.4	0	2621	2003/1/7	05:00:00	23.4	96.7	0.0	67	0.3	0
2526	2003/1/3	06:00:00	22.4	96.5	0.0	313	0.6	10	2622	2003/1/7	06:00:00	23.3	96.7	0.0	24	0.2	17
2527	2003/1/3	07:00:00	22.6	96.0	0.0	268	1.0	78	2623	2003/1/7	07:00:00	24.0	96.5	0.0	37	0.5	94
2528	2003/1/3	08:00:00	25.1	85.7	0.0	287	0.7	387	2624	2003/1/7	08:00:00	28.1	77.8	0.0	274	1.0	453
2529	2003/1/3	09:00:00	28.3	70.1	0.0	39	1.8	684	2625	2003/1/7	09:00:00	30.7	62.0	0.0	146	3.1	669
2530	2003/1/3	10:00:00	30.1	58.4	0.0	282	3.2	995	2626	2003/1/7	10:00:00	31.8	58.9	0.0	116	1.9	852
2531	2003/1/3	11:00:00	31.3	50.7	0.0	248	2.6	457	2627	2003/1/7	11:00:00	32.0	61.1	0.0	115	4.6	1022
2532	2003/1/3	12:00:00	32.4	52.7	0.0	337	2.9	1345	2628	2003/1/7	12:00:00	32.2	59.6	0.0	96	3.8	520
2533	2003/1/3	13:00:00	31.5	58.2	0.0	128	4.8	421	2629	2003/1/7	13:00:00	31.6	64.2	0.0	55	2.3	226
2534	2003/1/3	14:00:00	26.5	78.3	2.2	211	2.4	959	2630	2003/1/7	14:00:00	26.8	93.5	5.2	217	4.0	234
2535	2003/1/3	15:00:00	26.8	86.8	0.2	41	1.2	73	2631	2003/1/7	15:00:00	27.6	86.5	0.2	331	3.5	40
2536	2003/1/3	16:00:00	25.0	91.0	1.6	287	1.0	111	2632	2003/1/7	16:00:00	25.7	96.3	28.2	35	1.6	78
2537	2003/1/3	17:00:00	25.7	89.1	0.0	33	0.7	132	2633	2003/1/7	17:00:00	25.6	96.5	11.2	68	0.6	71
2538	2003/1/3	18:00:00	25.1	89.5	0.0	158	0.7	18	2634	2003/1/7	18:00:00	25.6	96.5	0.8	358	1.1	44
2539	2003/1/3	19:00:00	24.3	91.9	0.0	270	1.1	1	2635	2003/1/7	19:00:00	25.0	96.6	14.8	78	1.3	1
2540	2003/1/3	20:00:00	23.5	94.5	0.0	59	1.0	0	2636	2003/1/7	20:00:00	24.2	96.9	42.6	224	2.0	0
2541	2003/1/3	21:00:00	22.8	95.3	0.0	32	0.5	0	2637	2003/1/7	21:00:00	24.3	97.0	4.0	357	1.6	0
2542	2003/1/3	22:00:00	22.5	96.1	0.0	74	0.0	0	2638	2003/1/7	22:00:00	24.3	97.1	0.0	159	0.5	0
2543	2003/1/3	23:00:00	22.0	96.4	0.0	28	0.3	0	2639	2003/1/7	23:00:00	24.4	97.1	0.2	247	0.5	0
2544	2003/1/4	00:00:00	21.7	96.7	0.0	49	0.8	0	2640	2003/1/8	00:00:00	24.4	97.1	0.0	83	0.1	0
2545	2003/1/4	01:00:00	21.5	97.0	0.2	360	0.9	0	2641	2003/1/8	01:00:00	24.3	97.1	0.0	26	0.4	0
2546	2003/1/4	02:00:00	21.3	97.1	0.0	96	0.8	0	2642	2003/1/8	02:00:00	24.3	97.1	0.0	32	1.0	0
2547	2003/1/4	03:00:00	21.1	97.2	0.0	44	0.8	0	2643	2003/1/8	03:00:00	24.0	97.2	0.0	68	0.6	0
2548	2003/1/4	04:00:00	21.0	97.3	0.0	44	0.7	0	2644	2003/1/8	04:00:00	24.1	97.2	0.0	306	0.6	0
2549	2003/1/4	05:00:00	20.4	97.4	0.0	336	0.9	0	2645	2003/1/8	05:00:00	24.2	97.2	0.0	351	0.8	0
2550	2003/1/4	06:00:00	20.3	97.5	0.0	30	0.4	11	2646	2003/1/8	06:00:00	24.2	97.2	0.0	76	0.3	4
2551	2003/1/4	07:00:00	20.2	97.5	0.0	313	1.2	61	2647	2003/1/8	07:00:00	24.5	97.2	0.6	328	0.3	102
2552	2003/1/4	08:00:00	21.3	96.5	0.0	85	1.0	285	2648	2003/1/8	08:00:00	25.5	96.9	0.0	34	1.0	289
2553	2003/1/4	09:00:00	26.2	74.6	0.0	121	1.8	674	2649	2003/1/8	09:00:00	27.3	93.7	0.0	353	1.9	840
2554	2003/1/4	10:00:00	29.6	55.9	0.0	47	1.8	845	2650	2003/1/8	10:00:00	29.2	83.8	0.0	51	2.0	605
2555	2003/1/4	11:00:00	29.3	51.0	0.0	53	2.7	316	2651	2003/1/8	11:00:00	30.1	76.2	0.0	99	3.4	309
2556	2003/1/4	12:00:00	31.5	40.7	0.0	31	3.2	1091	2652	2003/1/8	12:00:00	31.5	74.0	0.0	95	3.6	476
2557	2003/1/4	13:00:00	31.7	47.8	0.0	71	2.5	554	2653	2003/1/8	13:00:00	30.0	75.6	0.2	15	3.6	100
2558	2003/1/4	14:00:00	29.6	60.9	0.0	57	1.8	208	2654	2003/1/8	14:00:00	30.8	73.2	1.0	326	1.9	1086
2559	2003/1/4	15:00:00	29.4	62.9	0.0	115	2.4	334	2655	2003/1/8	15:00:00	31.5	66.4	0.0	76	2.5	117
2560	2003/1/4	16:00:00	28.6	58.2	0.0	147	5.2	122	2656	2003/1/8	16:00:00	30.2	76.0	0.0	249	4.9	406
2561	2003/1/4	17:00:00	27.1	77.4	0.0	50	1.1	45	2657	2003/1/8	17:00:00	29.3	70.7	0.0	258	5.7	196
2562	2003/1/4	18:00:00	25.7	83.1	0.0	95	0.8	25	2658	2003/1/8	18:00:00	28.3	80.7	0.0	271	3.4	63
2563	2003/1/4	19:00:00	24.5	88.8	0.0	66	0.6	0	2659	2003/1/8	19:00:00	27.6	84.3	0.0	303	2.9	1
2564	2003/1/4	20:00:00	23.4	92.8	0.0	106	0.4	0	2660	2003/1/8	20:00:00	26.7	89.7	0.0	294	1.0	0
2565	2003/1/4	21:00:00	22.7	94.9	0.0	103	1.0										

APPENDIX 3 Weather observation data in Namosi area (17)

No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m <sup>2</sup>	No.	Date	Time	Temperature °C	Humidity %	Precipitation mm	Wind direction degree	Wind speed m/s	Insolation kW/m <sup>2</sup>
2688	2003/1/10	00:00:00	24.9	95.5	0.0	59	0.5	0	2784	2003/1/14	00:00:00	25.2	91.5	0.6	21	2.1	0
2689	2003/1/10	01:00:00	24.7	95.7	0.0	140	0.5	0	2785	2003/1/14	01:00:00	26.4	82.2	1.2	93	6.1	0
2690	2003/1/10	02:00:00	24.7	96.1	0.0	29	0.4	0	2786	2003/1/14	02:00:00	24.8	92.6	3.0	59	3.3	0
2691	2003/1/10	03:00:00	24.4	96.2	0.0	74	0.7	0	2787	2003/1/14	03:00:00	25.2	85.6	3.0	67	7.9	0
2692	2003/1/10	04:00:00	24.4	96.1	0.0	154	0.5	0	2788	2003/1/14	04:00:00	25.9	81.6	2.8	77	11.5	0
2693	2003/1/10	05:00:00	24.0	96.2	0.0	40	0.5	0	2789	2003/1/14	05:00:00	24.0	92.7	4.2	273	2.3	0
2694	2003/1/10	06:00:00	24.0	95.7	0.0	5	0.5	12	2790	2003/1/14	06:00:00	25.1	85.7	4.4	119	9.7	1
2695	2003/1/10	07:00:00	24.6	93.5	0.0	247	0.6	102	2791	2003/1/14	07:00:00	24.5	88.9	4.8	100	4.7	11
2696	2003/1/10	08:00:00	25.9	87.1	0.0	24	1.7	190	2792	2003/1/14	08:00:00	25.5	86.8	5.0	207	10.5	39
2697	2003/1/10	09:00:00	28.7	76.7	0.0	345	2.0	689	2793	2003/1/14	09:00:00	25.1	90.6	3.6	280	6.6	80
2698	2003/1/10	10:00:00	29.8	71.2	0.0	321	1.3	260	2794	2003/1/14	10:00:00	25.3	90.6	5.6	264	5.4	134
2699	2003/1/10	11:00:00	32.4	57.1	0.0	39	3.1	1105	2795	2003/1/14	11:00:00	25.8	86.7	1.2	259	7.2	274
2700	2003/1/10	12:00:00	30.7	67.1	0.0	105	3.3	262	2796	2003/1/14	12:00:00	25.0	93.8	10.8	280	9.5	194
2701	2003/1/10	13:00:00	32.3	55.8	0.0	105	5.7	375	2797	2003/1/14	13:00:00	27.1	83.1	0.6	284	4.8	252
2702	2003/1/10	14:00:00	29.0	77.3	0.0	202	3.4	228	2798	2003/1/14	14:00:00	27.3	82.8	0.4	280	7.6	217
2703	2003/1/10	15:00:00	25.5	92.2	7.0	117	4.1	44	2799	2003/1/14	15:00:00	26.7	84.0	0.0	268	7.4	306
2704	2003/1/10	16:00:00	25.4	96.2	11.8	48	1.4	37	2800	2003/1/14	16:00:00	27.1	81.8	0.0	259	5.3	193
2705	2003/1/10	17:00:00	24.7	96.8	10.6	167	1.2	29	2801	2003/1/14	17:00:00	26.0	85.9	1.6	281	6.3	144
2706	2003/1/10	18:00:00	24.7	96.9	5.6	239	1.8	24	2802	2003/1/14	18:00:00	26.7	83.8	0.0	269	3.1	39
2707	2003/1/10	19:00:00	24.7	96.9	0.2	235	0.7	2	2803	2003/1/14	19:00:00	25.9	85.3	0.0	215	3.0	4
2708	2003/1/10	20:00:00	24.6	97.0	0.0	159	0.9	0	2804	2003/1/14	20:00:00	24.8	92.9	0.0	105	2.2	0
2709	2003/1/10	21:00:00	24.7	97.0	0.0	37	0.8	0	2805	2003/1/14	21:00:00	24.4	95.2	0.0	307	1.9	0
2710	2003/1/10	22:00:00	24.5	97.0	0.0	17	0.7	0	2806	2003/1/14	22:00:00	24.2	95.6	0.2	277	1.4	0
2711	2003/1/10	23:00:00	24.2	97.1	0.0	44	0.5	0	2807	2003/1/14	23:00:00	24.0	96.0	0.0	126	0.6	0
2712	2003/1/11	00:00:00	24.1	97.1	0.0	202	0.5	0	2808	2003/1/15	00:00:00	23.8	96.5	0.0	21	1.1	0
2713	2003/1/11	01:00:00	24.0	97.2	0.0	110	0.6	0	2809	2003/1/15	01:00:00	23.6	96.6	0.0	107	1.3	0
2714	2003/1/11	02:00:00	23.9	97.2	0.0	67	1.1	0	2810	2003/1/15	02:00:00	23.2	96.6	0.0	87	1.5	0
2715	2003/1/11	03:00:00	23.9	97.2	0.0	353	0.6	0	2811	2003/1/15	03:00:00	22.9	96.9	0.0	277	0.4	0
2716	2003/1/11	04:00:00	23.7	97.2	0.0	125	0.6	0	2812	2003/1/15	04:00:00	22.6	97.0	0.0	126	0.8	0
2717	2003/1/11	05:00:00	23.7	97.2	0.0	303	0.5	0	2813	2003/1/15	05:00:00	22.6	97.1	0.0	110	0.8	0
2718	2003/1/11	06:00:00	23.7	97.3	0.0	351	0.5	5	2814	2003/1/15	06:00:00	22.6	97.2	0.0	117	0.7	10
2719	2003/1/11	07:00:00	24.1	97.2	0.0	23	0.7	61	2815	2003/1/15	07:00:00	23.1	97.2	0.0	59	1.0	171
2720	2003/1/11	08:00:00	25.6	96.4	0.0	30	1.6	425	2816	2003/1/15	08:00:00	25.5	91.3	0.0	271	1.2	459
2721	2003/1/11	09:00:00	28.1	86.8	0.0	50	1.5	718	2817	2003/1/15	09:00:00	29.8	70.1	0.0	103	1.5	671
2722	2003/1/11	10:00:00	30.3	76.0	0.0	352	2.6	489	2818	2003/1/15	10:00:00	31.4	65.9	0.0	43	2.4	821
2723	2003/1/11	11:00:00	30.7	68.7	0.0	62	2.5	200	2819	2003/1/15	11:00:00	32.2	61.3	0.0	337	3.8	439
2724	2003/1/11	12:00:00	31.4	67.4	0.0	93	3.8	999	2820	2003/1/15	12:00:00	32.1	61.6	0.0	278	2.4	653
2725	2003/1/11	13:00:00	28.1	82.4	0.0	76	5.4	47	2821	2003/1/15	13:00:00	32.7	65.7	0.0	86	1.5	367
2726	2003/1/11	14:00:00	26.5	85.0	3.2	250	7.4	179	2822	2003/1/15	14:00:00	31.9	65.6	0.0	84	4.2	1130
2727	2003/1/11	15:00:00	25.5	89.8	0.6	322	3.8	48	2823	2003/1/15	15:00:00	31.1	69.6	0.0	300	1.2	1037
2728	2003/1/11	16:00:00	25.1	95.6	6.6	191	0.9	91	2824	2003/1/15	16:00:00	30.3	71.2	0.2	42	1.4	171
2729	2003/1/11	17:00:00	26.3	92.5	0.0	16	1.0	169	2825	2003/1/15	17:00:00	28.6	78.4	0.2	61	3.3	100
2730	2003/1/11	18:00:00	26.6	92.9	0.0	246	1.1	73	2826	2003/1/15	18:00:00	27.0	91.4	1.2	57	0.8	59
2731	2003/1/11	19:00:00	26.2	94.9	0.0	56	0.8	3	2827	2003/1/15	19:00:00	26.1	92.8	0.0	223	0.9	0
2732	2003/1/11	20:00:00	25.9	95.9	0.2	33	0.6	0	2828	2003/1/15	20:00:00	25.1	94.9	0.0	64	0.8	0
2733	2003/1/11	21:00:00	25.4	95.9	0.8	73	1.1	0	2829	2003/1/15	21:00:00	24.5	95.4	0.0	359	0.9	0
2734	2003/1/11	22:00:00	25.0	95.5	0.0	80	0.8	0	2830	2003/1/15	22:00:00	24.1	96.2	0.0	90	0.5	0
2735	2003/1/11	23:00:00	24.8	96.4	0.0	89	1.1	0	2831	2003/1/15	23:00:00	24.0	96.5	0.0	321	0.8	0
2736	2003/1/12	00:00:00	24.5	96.4	0.2	73	1.0	0	2832	2003/1/16	00:00:00	23.8	96.7	0.0	340	0.5	0
2737	2003/1/12	01:00:00	24.3	96.6	0.0	120	0.8	0	2833	2003/1/16	01:00:00	23.6	96.5	0.0	1	0.7	0
2738	2003/1/12	02:00:00	24.2	96.8	0.0	63	0.5	0	2834	2003/1/16	02:00:00	23.6	96.2	0.0	51	0.9	0
2739	2003/1/12	03:00:00	24.1	96.9	0.0	133	1.1	0	2835	2003/1/16	03:00:00	23.6	96.2	0.4	338	0.7	0
2740	2003/1/12	04:00:00	24.1	97.0	0.0	28	1.1	0	2836	2003/1/16	04:00:00	23.6	96.5	2.4	110	1.0	0
2741	2003/1/12	05:00:00	24.0	97.0	0.0	329	0.5	0	2837	2003/1/16	05:00:00	23.6	96.3	0.6	63	0.8	0
2742	2003/1/12	06:00:00	23.7	97.0	0.0	2	1.1	9	2838	2003/1/16	06:00:00	23.8	96.3	0.4	249	1.4	7
2743	2003/1/12	07:00:00	24.2	97.0	0.0	57	0.8	87	2839	2003/1/16	07:00:00	25.3	91.0	0.0	96	3.9	81
2744	2003/1/12	08:00:00	25.6	95.4	0.0	91	1.0	210	2840	2003/1/16	08:00:00	27.2	79.7	0.0	101	3.5	154
2745	2003/1/12	09:00:00	28.0	85.3	0.0	76	2.4	419	2841	2003/1/16	09:00:00	27.4	86.2	0.0	99	1.6	60
2746	2003/1/12	10:00:00	30.1	66.4	0.0	28	2.2	324	2842	2003/1/16	10:00:00	27.4	88.2	1.0	20	1.1	382
2747	2003/1/12	11:00:00	31.0	62.8	0.0	86	2.1	795	2843	2003/1/16	11:00:00	28.1	85.4	0.2	36	2.7	231
2748	2003/1/12	12:00:00	31.4	60.0	0.0	73	1.9	593	2844	2003/1/16	12:00:00	30.9	75.4	0.0	34	2.5	1103
2749	2003/1/12	13:00:00	31.7	57.4	0.0	50	2.2	523	2845	2003/1/16	13:00:00	33.1	68.7	0.0	81	2.8	1236
2750	2003/1/12	14:00:00	32.4	55.6	0.0	55	4.3	976	2846	2003/1/16	14:00:00	32.3	60.3	0.0	230	2.9	252
2751	2003/1/12	15:00:00	32.4	57.3	0.0	69	6.5	902	2847	2003/1/16	15:00:00	31.2	68.5	0.0	206	1.8	197
2752	2003/1/12	16:00:00	31.2	63.2	0.0	88	6.4	514	2848	2003/1/16	16:00:00	32.2	63.2	0.0	222	1.6	251
2753	2003/1/12	17:00:00	29.5	70.2	0.0	75	4.8	116	2849	2003/1/16	17:00:00	30.2	69.5	0.0	251	3.2	80
2754	2003/1/12	18:00:00	27.0	83.5	0.2	110	5.1	64	2850	2003/1/16	18:00:00	29.1	76.4	0.0	251	2.0	34
2755	2003/1/12	19:00:00	25.5	88.8	0.0	69	1.5	1	2851	2003/1/16	19:00:00	26.0	90.5	0.0	143	1.1	1
2756	2003/1/12	20:00:00	24.6	94.2	0.0	103	1.1	0	2852	2003/1/16	20:00:00	25.5	93.3	0.0	358	1.1	0
2																	

APPENDIX 3 Weather observation data in Namosi area (18)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
2880	2003/1/18	00:00:00	23.8	96.4	0.0	115	1.0	0	2976	2003/1/22	00:00:00	23.8	96.2	0.0	160	0.5	0
2881	2003/1/18	01:00:00	23.4	96.6	0.0	60	0.5	0	2977	2003/1/22	01:00:00	23.6	96.6	0.0	104	0.4	0
2882	2003/1/18	02:00:00	23.2	96.8	0.0	81	0.6	0	2978	2003/1/22	02:00:00	23.7	96.7	0.0	165	0.6	0
2883	2003/1/18	03:00:00	23.2	96.9	0.0	214	0.5	0	2979	2003/1/22	03:00:00	23.9	96.8	0.6	82	1.0	0
2884	2003/1/18	04:00:00	23.3	97.0	0.0	49	0.1	0	2980	2003/1/22	04:00:00	23.6	96.8	0.0	23	0.7	0
2885	2003/1/18	05:00:00	23.2	96.9	0.0	50	0.3	0	2981	2003/1/22	05:00:00	23.6	96.9	0.0	198	0.9	0
2886	2003/1/18	06:00:00	23.3	97.0	0.0	74	0.5	7	2982	2003/1/22	06:00:00	23.3	96.9	0.0	87	0.5	6
2887	2003/1/18	07:00:00	23.5	96.8	0.0	20	1.1	62	2983	2003/1/22	07:00:00	24.0	96.9	0.0	87	0.8	85
2888	2003/1/18	08:00:00	24.6	94.6	0.0	5	1.1	365	2984	2003/1/22	08:00:00	25.4	95.5	0.0	95	0.6	204
2889	2003/1/18	09:00:00	26.8	72.5	0.0	12	2.3	684	2985	2003/1/22	09:00:00	27.9	80.7	0.0	32	1.4	290
2890	2003/1/18	10:00:00	30.3	61.1	0.0	279	2.2	842	2986	2003/1/22	10:00:00	29.3	69.8	0.0	54	2.8	496
2891	2003/1/18	11:00:00	31.4	60.9	0.0	272	3.1	990	2987	2003/1/22	11:00:00	28.8	72.5	0.0	67	3.2	415
2892	2003/1/18	12:00:00	30.0	68.6	0.0	124	4.9	373	2988	2003/1/22	12:00:00	30.2	70.1	0.0	108	4.0	1043
2893	2003/1/18	13:00:00	29.4	70.9	0.0	88	3.5	508	2989	2003/1/22	13:00:00	30.7	70.5	0.0	84	5.2	1066
2894	2003/1/18	14:00:00	29.1	70.4	0.0	116	3.9	151	2990	2003/1/22	14:00:00	30.6	64.2	0.0	87	3.3	366
2895	2003/1/18	15:00:00	28.4	73.3	0.0	96	2.8	129	2991	2003/1/22	15:00:00	29.9	67.4	0.0	78	5.3	398
2896	2003/1/18	16:00:00	27.2	77.8	0.0	320	2.1	88	2992	2003/1/22	16:00:00	30.8	65.1	0.0	73	4.2	787
2897	2003/1/18	17:00:00	26.5	81.3	0.0	323	1.4	48	2993	2003/1/22	17:00:00	27.0	82.2	0.0	79	0.8	135
2898	2003/1/18	18:00:00	25.8	86.9	0.0	86	1.1	17	2994	2003/1/22	18:00:00	26.0	89.4	1.6	75	1.2	66
2899	2003/1/18	19:00:00	24.3	93.3	0.2	90	0.5	0	2995	2003/1/22	19:00:00	25.3	94.4	0.0	73	1.9	0
2900	2003/1/18	20:00:00	24.0	95.1	0.2	95	0.6	0	2996	2003/1/22	20:00:00	24.9	90.3	0.4	99	3.1	0
2901	2003/1/18	21:00:00	24.0	95.6	0.3	33	0.8	0	2997	2003/1/22	21:00:00	24.3	94.8	0.0	312	0.8	0
2902	2003/1/18	22:00:00	24.1	95.8	0.2	105	0.7	0	2998	2003/1/22	22:00:00	24.3	95.1	0.0	126	0.7	0
2903	2003/1/18	23:00:00	24.1	95.9	0.0	70	0.7	0	2999	2003/1/22	23:00:00	24.4	95.6	0.0	67	0.8	0
2904	2003/1/19	00:00:00	23.8	95.7	0.8	113	0.6	0	3000	2003/1/23	00:00:00	24.2	95.8	0.0	75	0.3	0
2905	2003/1/19	01:00:00	23.6	95.9	0.0	72	0.5	0	3001	2003/1/23	01:00:00	24.2	95.9	0.2	8	1.0	0
2906	2003/1/19	02:00:00	23.5	96.3	0.0	43	0.3	0	3002	2003/1/23	02:00:00	24.2	94.9	0.2	325	1.1	0
2907	2003/1/19	03:00:00	23.6	96.3	0.0	23	0.4	0	3003	2003/1/23	03:00:00	23.9	96.0	0.0	113	0.5	0
2908	2003/1/19	04:00:00	23.3	96.2	0.0	263	0.5	0	3004	2003/1/23	04:00:00	23.9	96.3	0.0	26	0.5	0
2909	2003/1/19	05:00:00	23.1	96.4	0.0	329	0.4	0	3005	2003/1/23	05:00:00	24.0	96.3	0.0	47	0.8	0
2910	2003/1/19	06:00:00	23.1	96.7	0.0	6	0.4	10	3006	2003/1/23	06:00:00	23.9	96.4	0.0	115	0.6	16
2911	2003/1/19	07:00:00	23.7	95.7	0.0	14	0.5	84	3007	2003/1/23	07:00:00	24.2	95.7	0.0	88	0.6	53
2912	2003/1/19	08:00:00	26.1	81.8	0.0	232	1.0	294	3008	2003/1/23	08:00:00	26.0	90.2	0.2	98	0.9	394
2913	2003/1/19	09:00:00	28.0	76.4	0.0	48	1.4	349	3009	2003/1/23	09:00:00	29.5	73.0	0.0	14	2.4	760
2914	2003/1/19	10:00:00	27.6	74.0	0.0	245	1.3	145	3010	2003/1/23	10:00:00	28.5	75.3	0.0	103	3.4	451
2915	2003/1/19	11:00:00	28.3	72.9	0.2	319	3.0	699	3011	2003/1/23	11:00:00	29.9	74.6	0.0	87	2.5	430
2916	2003/1/19	12:00:00	29.1	75.3	0.0	71	4.3	524	3012	2003/1/23	12:00:00	23.9	95.7	19.2	71	8.0	23
2917	2003/1/19	13:00:00	26.2	84.1	0.0	40	4.1	336	3013	2003/1/23	13:00:00	23.2	97.0	21.4	325	1.3	33
2918	2003/1/19	14:00:00	28.5	74.7	0.0	36	2.7	469	3014	2003/1/23	14:00:00	23.5	97.0	2.4	56	0.6	88
2919	2003/1/19	15:00:00	28.9	71.1	0.0	68	3.7	314	3015	2003/1/23	15:00:00	24.0	97.0	1.2	84	0.9	120
2920	2003/1/19	16:00:00	29.2	73.5	0.0	83	3.6	321	3016	2003/1/23	16:00:00	24.2	96.7	1.2	59	1.2	83
2921	2003/1/19	17:00:00	27.5	81.0	0.0	163	3.0	69	3017	2003/1/23	17:00:00	24.1	96.8	0.4	52	1.3	37
2922	2003/1/19	18:00:00	27.0	85.9	0.0	80	0.7	99	3018	2003/1/23	18:00:00	24.0	96.9	6.4	51	2.1	4
2923	2003/1/19	19:00:00	26.0	89.0	0.0	161	0.8	2	3019	2003/1/23	19:00:00	23.7	97.1	10.0	99	0.7	0
2924	2003/1/19	20:00:00	25.1	93.7	0.0	40	0.8	0	3020	2003/1/23	20:00:00	23.8	97.1	0.0	114	0.8	0
2925	2003/1/19	21:00:00	25.0	94.7	0.0	94	0.4	0	3021	2003/1/23	21:00:00	23.9	97.2	0.0	107	0.8	0
2926	2003/1/19	22:00:00	25.1	94.4	0.0	316	1.0	0	3022	2003/1/23	22:00:00	23.9	97.2	0.0	77	0.8	0
2927	2003/1/19	23:00:00	24.8	94.3	0.0	70	0.6	0	3023	2003/1/23	23:00:00	23.9	97.2	0.2	306	0.5	0
2928	2003/1/20	00:00:00	24.6	94.2	0.0	83	0.7	0	3024	2003/1/24	00:00:00	23.8	97.2	0.0	124	0.8	0
2929	2003/1/20	01:00:00	24.6	94.9	0.0	28	0.5	0	3025	2003/1/24	01:00:00	23.7	97.3	0.2	91	0.7	0
2930	2003/1/20	02:00:00	24.6	95.5	0.0	30	0.4	0	3026	2003/1/24	02:00:00	23.7	97.3	0.0	88	0.6	0
2931	2003/1/20	03:00:00	24.4	95.9	0.0	151	0.4	0	3027	2003/1/24	03:00:00	23.6	97.3	0.0	82	0.7	0
2932	2003/1/20	04:00:00	24.3	96.0	0.0	337	0.5	0	3028	2003/1/24	04:00:00	23.7	97.3	0.0	62	1.0	0
2933	2003/1/20	05:00:00	24.3	96.1	0.0	221	0.5	0	3029	2003/1/24	05:00:00	23.6	97.4	0.0	132	0.8	0
2934	2003/1/20	06:00:00	24.4	96.1	0.0	94	0.6	2	3030	2003/1/24	06:00:00	23.7	97.4	0.6	116	0.7	14
2935	2003/1/20	07:00:00	24.6	95.3	0.0	135	0.9	24	3031	2003/1/24	07:00:00	24.3	97.4	0.0	60	0.8	79
2936	2003/1/20	08:00:00	25.7	90.5	0.0	45	0.5	167	3032	2003/1/24	08:00:00	25.3	97.0	0.0	56	2.2	218
2937	2003/1/20	09:00:00	26.9	86.9	0.0	27	1.7	302	3033	2003/1/24	09:00:00	26.7	94.2	0.0	44	2.9	416
2938	2003/1/20	10:00:00	26.3	79.7	0.0	40	1.9	352	3034	2003/1/24	10:00:00	27.4	88.6	0.0	111	3.4	404
2939	2003/1/20	11:00:00	27.1	89.0	0.6	58	2.7	122	3035	2003/1/24	11:00:00	29.0	78.3	0.0	85	3.7	452
2940	2003/1/20	12:00:00	28.1	83.0	1.0	85	1.8	361	3036	2003/1/24	12:00:00	29.4	75.6	0.0	104	3.3	441
2941	2003/1/20	13:00:00	26.9	91.3	1.4	317	0.7	138	3037	2003/1/24	13:00:00	30.1	69.8	0.0	47	4.1	529
2942	2003/1/20	14:00:00	27.7	86.9	0.0	16	1.2	231	3038	2003/1/24	14:00:00	29.4	76.0	0.0	330	3.2	204
2943	2003/1/20	15:00:00	25.0	95.1	18.4	237	5.8	7	3039	2003/1/24	15:00:00	29.5	81.3	1.0	49	2.2	323
2944	2003/1/20	16:00:00	24.5	96.5	7.0	80	2.0	6	3040	2003/1/24	16:00:00	27.5	86.2	0.8	158	1.2	232
2945	2003/1/20	17:00:00	23.8	96.4	12.4	116	3.3	6	3041	2003/1/24	17:00:00	27.5	86.8	0.0	116	1.1	95
2946	2003/1/20	18:00:00	23.5	96.9	3.4	50	1.4	6	3042	2003/1/24	18:00:00	24.8	94.8	3.8	86	2.1	12
2947	2003/1/20	19:00:00	23.6	97.0	0.4	159	0.9	0	3043	2003/1/24	19:00:00	25.0	96.2	0.8	329	0.8	0
2948	2003/1/20	20:00:00	23.6	97.1	0.0	54	0.8	0	3044	2003/1/24	20:00:00	24.8	96.5	0.6	43		



APPENDIX 3 Weather observation data in Namosi area (19)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insoleation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insoleation	
			°C	%	mm	degree	m/s	kWh/m <sup>2</sup>				°C	%	mm	degree	m/s	kWh/m <sup>2</sup>	
	yyyy/mm/dd	hh:mm:ss								yyyy/mm/dd	hh:mm:ss							
3072	2003/1/26	00:00:00	24.4	96.6	0.0		59	0.6	0	3168	2003/1/30	00:00:00	24.4	95.4	0.0	55	0.8	0
3073	2003/1/26	01:00:00	24.4	96.6	0.0		93	0.6	0	3169	2003/1/30	01:00:00	24.4	95.2	0.0	129	0.5	0
3074	2003/1/26	02:00:00	24.4	96.2	0.0		326	0.7	0	3170	2003/1/30	02:00:00	24.3	95.7	0.0	67	0.9	0
3075	2003/1/26	03:00:00	24.4	96.1	0.0		270	0.8	0	3171	2003/1/30	03:00:00	24.2	95.6	0.2	82	0.8	0
3076	2003/1/26	04:00:00	24.4	96.5	0.0		43	0.4	0	3172	2003/1/30	04:00:00	24.1	95.0	0.2	14	0.6	0
3077	2003/1/26	05:00:00	24.4	98.5	0.0		31	0.1	0	3173	2003/1/30	05:00:00	24.0	95.5	0.0	118	0.6	0
3078	2003/1/26	06:00:00	24.3	96.6	0.0		27	0.8	6	3174	2003/1/30	06:00:00	23.9	95.7	0.0	25	0.9	2
3079	2003/1/26	07:00:00	24.7	95.4	0.0		8	1.0	74	3175	2003/1/30	07:00:00	24.1	95.3	0.4	35	1.2	48
3080	2003/1/26	08:00:00	26.5	86.5	0.0		50	0.6	141	3176	2003/1/30	08:00:00	24.8	92.8	0.2	6	1.0	200
3081	2003/1/26	09:00:00	29.7	73.9	0.0		14	2.4	756	3177	2003/1/30	09:00:00	25.8	87.1	0.0	70	2.4	274
3082	2003/1/26	10:00:00	30.2	75.3	0.0		68	3.2	513	3178	2003/1/30	10:00:00	25.5	86.2	0.0	112	4.4	271
3083	2003/1/26	11:00:00	30.6	72.9	0.0		69	3.8	664	3179	2003/1/30	11:00:00	26.4	83.0	0.0	103	3.5	452
3084	2003/1/26	12:00:00	28.4	85.8	2.8		91	4.1	513	3180	2003/1/30	12:00:00	25.6	88.0	0.0	76	3.5	390
3085	2003/1/26	13:00:00	28.3	79.1	0.0		238	5.0	292	3181	2003/1/30	13:00:00	25.5	86.0	0.4	134	4.8	313
3086	2003/1/26	14:00:00	24.4	96.2	13.0		178	1.5	12	3182	2003/1/30	14:00:00	26.1	84.6	0.0	110	4.8	436
3087	2003/1/26	15:00:00	24.5	96.7	5.6		98	0.8	18	3183	2003/1/30	15:00:00	25.1	88.9	0.2	107	6.1	241
3088	2003/1/26	16:00:00	24.5	96.7	3.0		279	0.9	48	3184	2003/1/30	16:00:00	24.8	89.1	0.0	61	0.9	27
3089	2003/1/26	17:00:00	24.5	96.5	0.0		242	0.7	45	3185	2003/1/30	17:00:00	24.2	93.9	0.4	74	1.8	13
3090	2003/1/26	18:00:00	24.8	96.7	0.2		18	1.1	17	3186	2003/1/30	18:00:00	23.9	94.2	1.6	5	1.4	22
3091	2003/1/26	19:00:00	24.7	96.7	0.0		157	0.7	0	3187	2003/1/30	19:00:00	23.7	94.3	0.2	61	1.1	0
3092	2003/1/26	20:00:00	24.4	96.8	0.0		344	0.6	0	3188	2003/1/30	20:00:00	23.3	94.4	0.8	327	0.9	0
3093	2003/1/26	21:00:00	24.3	96.9	0.0		321	0.6	0	3189	2003/1/30	21:00:00	23.2	95.6	0.2	78	0.9	0
3094	2003/1/26	22:00:00	24.0	96.8	0.0		265	1.9	0	3190	2003/1/30	22:00:00	23.1	96.1	0.8	100	0.8	0
3095	2003/1/26	23:00:00	23.9	96.0	0.0		251	2.9	0	3191	2003/1/30	23:00:00	23.1	96.3	0.0	60	1.1	0
3096	2003/1/27	00:00:00	23.8	96.6	4.6		268	1.2	0	3192	2003/1/31	00:00:00	22.9	96.2	0.0	48	0.9	0
3097	2003/1/27	01:00:00	23.9	96.8	2.2		246	1.1	0	3193	2003/1/31	01:00:00	22.9	96.4	0.2	89	1.1	0
3098	2003/1/27	02:00:00	23.9	96.8	0.8		237	1.7	0	3194	2003/1/31	02:00:00	22.6	96.5	0.0	115	1.3	0
3099	2003/1/27	03:00:00	24.1	96.8	0.2		345	1.6	0	3195	2003/1/31	03:00:00	22.5	95.9	0.0	109	1.5	0
3100	2003/1/27	04:00:00	24.0	96.8	5.4		180	1.3	0	3196	2003/1/31	04:00:00	22.2	96.8	0.0	54	1.1	0
3101	2003/1/27	05:00:00	24.0	96.8	1.0		104	0.3	0	3197	2003/1/31	05:00:00	21.9	97.1	0.0	47	1.0	0
3102	2003/1/27	06:00:00	24.1	96.7	0.2		232	0.8	2	3198	2003/1/31	06:00:00	21.7	97.2	0.0	52	0.9	4
3103	2003/1/27	07:00:00	24.4	96.4	0.4		59	0.9	51	3199	2003/1/31	07:00:00	22.1	97.2	0.0	12	0.7	81
3104	2003/1/27	08:00:00	24.3	95.7	6.6		77	2.2	48	3200	2003/1/31	08:00:00	25.0	87.3	0.0	143	1.5	423
3105	2003/1/27	09:00:00	25.4	93.1	8.4		88	3.8	159	3201	2003/1/31	09:00:00	27.5	73.2	0.0	120	3.9	677
3106	2003/1/27	10:00:00	26.0	91.7	3.8		356	4.3	269	3202	2003/1/31	10:00:00	26.5	79.8	0.0	107	5.2	298
3107	2003/1/27	11:00:00	27.1	90.9	0.6		52	3.8	693	3203	2003/1/31	11:00:00	26.1	83.8	0.0	95	4.0	405
3108	2003/1/27	12:00:00	27.0	87.5	0.6		37	2.6	256	3204	2003/1/31	12:00:00	25.4	86.3	0.0	112	4.7	268
3109	2003/1/27	13:00:00	26.6	87.3	2.6		22	2.0	281	3205	2003/1/31	13:00:00	27.4	75.1	0.0	24	3.0	470
3110	2003/1/27	14:00:00	26.4	89.6	2.2		25	1.9	177	3206	2003/1/31	14:00:00	25.6	85.4	0.2	320	2.1	376
3111	2003/1/27	15:00:00	25.9	91.5	1.4		300	1.8	215	3207	2003/1/31	15:00:00	27.1	73.5	0.0	74	3.1	277
3112	2003/1/27	16:00:00	25.7	91.2	1.4		119	1.9	198	3208	2003/1/31	16:00:00	27.3	76.3	0.0	347	1.3	248
3113	2003/1/27	17:00:00	25.7	88.9	0.8		67	3.7	152	3209	2003/1/31	17:00:00	26.1	81.1	0.0	43	1.2	27
3114	2003/1/27	18:00:00	25.3	92.4	1.0		70	2.0	50	3210	2003/1/31	18:00:00	25.1	89.2	0.0	45	0.9	31
3115	2003/1/27	19:00:00	25.0	90.3	1.2		61	2.4	1	3211	2003/1/31	19:00:00	24.2	91.7	0.0	90	1.5	0
3116	2003/1/27	20:00:00	24.6	93.6	0.2		115	1.3	0	3212	2003/1/31	20:00:00	23.2	94.9	0.2	71	0.7	0
3117	2003/1/27	21:00:00	24.4	95.5	0.4		73	0.7	0	3213	2003/1/31	21:00:00	22.8	95.5	0.0	6	0.2	0
3118	2003/1/27	22:00:00	24.5	95.3	0.0		218	1.0	0	3214	2003/1/31	22:00:00	22.8	95.8	0.0	76	0.4	0
3119	2003/1/27	23:00:00	24.4	95.7	0.4		56	0.8	0	3215	2003/1/31	23:00:00	22.3	96.2	0.0	119	0.4	0
3120	2003/1/28	00:00:00	24.3	96.0	0.4		121	1.1	0	3216	2003/2/1	00:00:00	22.3	96.7	0.0	71	0.5	0
3121	2003/1/28	01:00:00	24.1	96.3	0.2		320	0.4	0	3217	2003/2/1	01:00:00	22.6	96.2	0.2	103	0.9	0
3122	2003/1/28	02:00:00	23.9	96.1	0.0		190	1.0	0	3218	2003/2/1	02:00:00	22.6	96.4	0.0	52	0.5	0
3123	2003/1/28	03:00:00	23.5	96.6	0.2		136	1.2	0	3219	2003/2/1	03:00:00	22.3	96.6	0.0	118	0.8	0
3124	2003/1/28	04:00:00	23.4	96.6	0.0		105	1.1	0	3220	2003/2/1	04:00:00	22.1	96.9	0.0	77	0.6	0
3125	2003/1/28	05:00:00	23.1	96.7	0.0		40	0.7	0	3221	2003/2/1	05:00:00	21.9	97.0	0.0	100	0.5	0
3126	2003/1/28	06:00:00	23.0	96.8	0.2		108	1.0	6	3222	2003/2/1	06:00:00	21.8	97.1	0.0	91	0.3	4
3127	2003/1/28	07:00:00	23.0	96.8	0.0		132	0.7	36	3223	2003/2/1	07:00:00	22.5	96.9	0.0	64	0.5	107
3128	2003/1/28	08:00:00	24.2	94.4	0.2		184	0.7	142	3224	2003/2/1	08:00:00	24.3	88.4	0.0	61	1.1	123
3129	2003/1/28	09:00:00	25.7	85.5	0.0		254	1.3	227	3225	2003/2/1	09:00:00	27.9	73.8	0.0	98	1.2	698
3130	2003/1/28	10:00:00	25.4	88.8	0.8		212	1.6	204	3226	2003/2/1	10:00:00	29.0	63.1	0.0	71	3.6	926
3131	2003/1/28	11:00:00	27.1	86.1	2.0		326	2.8	691	3227	2003/2/1	11:00:00	30.0	65.7	0.0	73	3.7	1105
3132	2003/1/28	12:00:00	27.1	87.0	1.2		16	1.4	508	3228	2003/2/1	12:00:00	29.5	62.5	0.0	59	4.4	316
3133	2003/1/28	13:00:00	28.2	75.8	0.0		101	3.3	502	3229	2003/2/1	13:00:00	28.2	66.5	0.0	100	4.8	1229
3134	2003/1/28	14:00:00	28.7	73.6	0.0		83	5.8	274	3230	2003/2/1	14:00:00	28.8	64.8	0.0	98	6.6	1184
3135	2003/1/28	15:00:00	29.3	75.4	0.0		76	5.4	759	3231	2003/2/1	15:00:00	28.3	68.2	0.0	75	5.1	891
3136	2003/1/28	16:00:00	28.0	76.4	0.0		90	3.3	115	3232	2003/2/1	16:00:00	27.3	66.7	0.0	94	3.9	203
3137	2003/1/28	17:00:00	25.1	93.3	3.4		320	1.7	37	3233	2003/2/1	17:00:00	27.1	66.2	0.0	100	5.0	177
3138	2003/1/28	18:00:00	24.9	94.7	4.2		148	1.6	29	3234	2003/2/1	18:00:00	25.9	69.4	0.0	126	1.6	48
3139																		

APPENDIX 3 Weather observation data in Namosi area (20)

No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation	No.	Date	Time	Temperature	Humidity	Precipitation	Wind direction	Wind speed	Insolation
	yyyymmdd	hh:mm:ss	°C	%	mm	degree	m/s	kWh/m2		yyyymmdd	hh:mm:ss	°C	%	mm	degree	m/s	kWh/m2
3264	2003/2/3	00:00:00	20.3	97.0	0.0	89	0.4	0									
3265	2003/2/3	01:00:00	19.8	97.3	0.0	8	0.1	0									
3266	2003/2/3	02:00:00	19.8	97.4	0.0	34	0.6	0									
3267	2003/2/3	03:00:00	19.6	97.4	0.0	53	0.4	0									
3268	2003/2/3	04:00:00	19.2	97.4	0.0	8	0.9	0									
3269	2003/2/3	05:00:00	19.2	97.6	0.0	352	0.6	0									
3270	2003/2/3	06:00:00	19.1	97.6	0.0	3	0.4	5									
3271	2003/2/3	07:00:00	19.3	97.6	0.0	42	1.0	82									
3272	2003/2/3	08:00:00	21.1	96.9	0.0	10	1.5	380									
3273	2003/2/3	09:00:00	24.7	79.7	0.0	50	1.6	248									
3274	2003/2/3	10:00:00	26.4	72.8	0.0	159	2.3	252									
3275	2003/2/3	11:00:00	28.5	59.0	0.0	329	3.5	293									
3276	2003/2/3	12:00:00	28.8	53.5	0.0	192	3.2	484									
3277	2003/2/3	13:00:00	29.9	49.4	0.0	137	5.9	1036									
3278	2003/2/3	14:00:00	30.3	45.0	0.0	35	3.4	938									
3279	2003/2/3	15:00:00	29.6	58.5	0.0	123	5.1	818									
3280	2003/2/3	16:00:00	28.9	52.1	0.0	94	4.8	588									
3281	2003/2/3	17:00:00	28.5	55.1	0.0	148	4.1	333									
3282	2003/2/3	18:00:00	26.5	63.2	0.0	162	4.8	72									
3283	2003/2/3	19:00:00	23.1	87.2	0.0	137	0.6	2									
3284	2003/2/3	20:00:00	21.7	93.1	0.0	129	0.7	0									
3285	2003/2/3	21:00:00	21.8	93.6	1.4	341	2.1	0									
3286	2003/2/3	22:00:00	21.8	95.2	0.0	51	1.6	0									
3287	2003/2/3	23:00:00	21.6	95.9	0.0	111	0.3	0									
3288	2003/2/4	00:00:00	21.1	96.2	0.0	207	0.3	0									
3289	2003/2/4	01:00:00	21.0	96.5	0.0	334	0.3	0									
3290	2003/2/4	02:00:00	21.1	96.6	0.2	281	1.3	0									
3291	2003/2/4	03:00:00	21.1	96.4	0.0	263	0.6	0									
3292	2003/2/4	04:00:00	21.0	96.7	0.0	2	0.4	0									
3293	2003/2/4	05:00:00	21.2	96.2	0.0	158	0.7	0									
3294	2003/2/4	06:00:00	20.8	96.6	0.0	50	0.4	4									
3295	2003/2/4	07:00:00	20.7	96.9	0.0	168	0.7	43									
3296	2003/2/4	08:00:00	24.2	84.2	0.0	293	1.3	427									
3297	2003/2/4	09:00:00	24.5	83.5	0.0	292	1.1	289									
3298	2003/2/4	10:00:00	25.0	81.0	0.0	5	2.5	451									