Date Printed: 08/18/2014 03:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "K" (1208)

8/17/2014

Interval: 001h

	01_TempC_010m	02_TempC_060m	03_TempF_010m	04_TempF_060m	05_VT_Grad	06_DewPtC_010m	07_DewPtF_010m	08_RH_010m	09_AbsHum_010m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGF	PERCENT	G/M3
00:00	21.1	22.4	70.0	72.4	1.3	20.7	69.2	99.7	18.0
01:00	20.8	22.0	69.5	71.6	1.2	20.5	68.8	100.2	17.8
02:00	20.6	21.9	69.1	71.4	1.3	20.3	68.5	100.2	17.6
03:00	20.4	21.4	68.7	70.5	1.0	20.0	68.1	100.3	17.3
04:00	20.3	21.2	68.5	70.2	.9	19.9	67.9	100.4	17.3
05:00	20.1	20.9	68.2	69.7	.8	19.8	67.6	100.5	17.1
06:00	19.9	20.6	67.8	69.0	.7	19.6	67.2	100.6	16.9
07:00	19.8	20.5	67.7	68.9	.7	19.6	67.2	100.6	16.9
08:00	20.5	20.4	69.0	68.7	-.1	19.9	67.8	98.4	17.2
09:00	22.1	21.4	71.8	70.5	-.7	18.8	65.8	83.3	16.0
10:00	23.0	22.1	73.4	71.7	-.9	18.3	64.9	76.6	15.4
11:00	24.9	23.6	76.8	74.5	-1.2	17.9	64.2	66.8	15.0
12:00	26.1	24.7	79.0	76.5	-1.4	17.9	64.3	62.3	15.0
13:00	27.3	26.0	81.2	78.7	-1.4	17.9	64.2	58.0	14.9
14:00	27.8	27.1	82.0	80.7	-.7	18.4	65.2	58.5	15.4
15:00	23.3	22.9	74.0	73.2	-.4	18.8	65.8	78.3	15.9
16:00	21.0	21.0	69.8	69.8	.0	20.5	68.9	99.4	17.8
17:00	21.3	21.2	70.3	70.1	-.1	20.9	69.6	100.2	18.3
18:00	22.1	21.6	71.7	70.8	-.5	20.3	68.5	92.1	17.5
19:00	22.2	21.7	71.9	71.0	-.5	21.0	69.8	95.8	18.3
20:00	21.8	21.6	71.3	70.9	-.2	21.4	70.6	100.4	18.8
21:00	21.5	21.6	70.8	70.8	.0	21.2	70.2	100.6	18.6
22:00	21.3	21.6	70.4	70.8	.2	21.0	69.9	100.7	18.4
23:00	21.3	21.3	70.3	70.4	.1	21.0	69.8	100.9	18.3
Avg	22.1	22.1	71.8	71.8	.0	19.8	67.7	90.6	17.1
Max	27.8	27.1	82.0	80.7	1.3	21.4	70.6	100.9	18.8
Hr. of Max	14	14	14	14	02	20	20	23	20
Min	19.8	20.4	67.7	68.7	-1.4	17.9	64.2	58.0	14.9
Count	24	24	24	24	24	24	24	24	24
Total									

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	10_Mix_Ratio_010m	_Sat_Mix_Ratio_01(	12_Vapor Pr_010m	3_Sat Vapor Pr_010r	14_LHV_010m	15_Precip_mm	16_Precip_In	17_PrecipSum	18_Solar_Rad_Wm2
Hour	None	None	KPa	None	None	MM	INCHES	INCHES	W/M2
00:00	0.0158	0.0159	24.4	25.1	2441163.8	.0	.00	.00	-2.5
01:00	0.0157	0.0156	24.1	24.7	2441795.0	.0	.00	.00	-2.7
02:00	0.0155	0.0154	23.8	24.3	2442328.0	.0	.00	.00	-2.5
03:00	0.0153	0.0152	23.5	24.0	2442878.6	.0	.00	.00	-3.2
04:00	0.0152	0.0151	23.4	23.8	2443142.1	.0	.00	.00	-2.4
05:00	0.015	0.015	23.2	23.6	2443520.0	.0	.00	.00	-2.0
06:00	0.0148	0.0147	22.8	23.2	2444100.5	.0	.00	.00	-2.3
07:00	0.0148	0.0147	22.8	23.2	2444154.7	.0	.00	.00	32.5
08:00	0.0151	0.0153	23.3	24.2	2442503.4	.0	.00	.00	79.0
09:00	0.0141	0.0169	21.7	26.7	2438754.2	.0	.00	.00	194.9
10:00	0.0136	0.0178	21.1	28.1	2436718.9	.0	.00	.00	310.0
11:00	0.0134	0.02	20.6	31.5	2432199.7	.0	.00	.00	519.4
12:00	0.0134	0.0215	20.7	34.0	2429257.9	.0	.00	.00	585.8
13:00	0.0134	0.0231	20.7	36.5	2426383.2	.0	.00	.00	635.1
14:00	0.0139	0.0237	21.4	37.4	2425359.5	.0	.00	.00	395.0
15:00	0.0141	0.0183	21.8	28.9	2435905.3	.0	.00	.00	35.6
16:00	0.0157	0.0158	24.2	24.9	2441406.1	1.3	.05	.05	72.0
17:00	0.0161	0.0161	24.8	25.4	2440695.1	.3	.01	.01	101.7
18:00	0.0156	0.0169	23.9	26.6	2438877.1	.0	.00	.00	114.6
19:00	0.0163	0.017	25.0	26.8	2438665.7	.0	.00	.00	37.6
20:00	0.0167	0.0166	25.6	26.2	2439486.3	.0	.00	.00	-.3
21:00	0.0165	0.0164	25.3	25.8	2440106.3	.0	.00	.00	-2.5
22:00	0.0163	0.0162	25.0	25.5	2440599.4	.0	.00	.00	-2.3
23:00	0.0162	0.0161	24.9	25.3	2440776.1	1.0	.04	.04	-2.7
Avg	0.0151	0.0171	23.3	26.9	2438782.4	.1	.00	.00	128.7
Max	0.0167	0.0237	25.6	37.4	2444154.7	1.3	.05	.05	635.1
Hr. of Max	20	14	20	14	07	16	16	16	13
Min	0.0134	0.0147	20.6	23.2	2425359.5	.0	.00	.00	-3.2
Count	24	24	24	24	24	24	24	24	24
Total									

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	19_Solar_Rad_Lang	20_BarPres_In	21_BarPres_Mb	22_WDir_010m	23_WDir_060m	24_VWDir_010m	25_VWDir_060m	26_Sigma_010m	27_Sigma_060m
Hour	Langleys	INHG	KPa	DEG	DEG	DEG	DEG	DEG	DEG
00:00	.0	29.00	982.2	90	54	19	28	35	13
01:00	.0	29.00	982.0	136	62	148	49	66	52
02:00	.0	28.99	981.6	211	59	163	58	32	14
03:00	.0	28.98	981.3	345	69	86	72	42	20
04:00	.0	28.98	981.3	33	68	50	72	79	20
05:00	.0	28.98	981.5	20	66	48	69	52	23
06:00	.0	28.99	981.7	55	87	60	77	51	35
07:00	.0	29.01	982.3	258	59	200	78	85	52
08:00	.1	29.01	982.4	29	72	85	73	61	19
09:00	.3	29.01	982.4	208	186	215	181	43	30
10:00	.4	29.01	982.3	238	233	241	228	33	27
11:00	.7	29.00	982.0	234	219	238	220	27	20
12:00	.8	28.99	981.8	203	204	204	204	31	18
13:00	.9	28.98	981.5	218	215	215	211	40	25
14:00	.6	28.97	981.0	288	281	279	283	65	36
15:00	.1	28.97	981.1	2	350	11	338	57	20
16:00	.1	28.97	981.0	53	358	57	358	56	24
17:00	.1	28.95	980.4	103	30	88	334	67	39
18:00	.2	28.93	979.8	80	80	76	0	50	50
19:00	.1	28.93	979.8	208	236	222	0	52	30
20:00	.0	28.94	980.1	184	209	194	0	38	15
21:00	.0	28.94	980.2	67	316	65	0	29	42
22:00	.0	28.95	980.4	113	175	93	0	58	28
23:00	.0	28.94	980.2	103	192	134	193	41	40
Avg	.2	28.98	981.3	116	90	0	0	50	29
Max	.9	29.01	982.4	345	358	279	358	85	52
Hr. of Max	13	10	09	03	16	14	16	07	07
Min	.0	28.93	979.8	2	30	11	0	27	13
Count	24	24	24	24	24	24	24	24	24
Total									

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	28_RWSpd_010m	29_RWSpd_060m	30_WSpd_010m	31_WSpd_060m	32_WSpdms_010m	33_WSpdms_060m	36_PkWsH_010m	37_PkWsH_060m
Hour	MPH	MPH	MPH	MPH	M/SEC	M/SEC	MPH	MPH
00:00	.1	.4	.2	.5	.1	.2	1.6	1.8
01:00	.1	.5	.2	.4	.1	.2	1.6	3.4
02:00	.2	2.0	.7	2.0	.3	.9	1.8	4.4
03:00	.1	1.4	.7	1.5	.3	.7	2.1	4.1
04:00	.3	2.5	.8	2.6	.4	1.2	2.5	6.4
05:00	.3	3.2	.9	3.5	.4	1.6	3.2	6.4
06:00	.4	2.1	.7	2.3	.3	1.1	3.0	6.2
07:00	.2	1.6	.7	1.8	.3	.8	3.4	6.6
08:00	.1	2.2	.4	2.3	.2	1.0	1.8	4.8
09:00	1.0	1.6	1.8	2.3	.8	1.1	5.3	6.4
10:00	1.9	2.3	2.3	2.5	1.0	1.1	5.5	7.1
11:00	3.0	3.9	3.4	4.1	1.5	1.9	7.8	8.9
12:00	3.2	4.9	3.6	5.0	1.6	2.3	8.7	10.1
13:00	2.3	4.0	3.0	4.3	1.3	1.9	7.8	9.2
14:00	1.1	2.1	1.6	2.7	.7	1.2	6.4	9.6
15:00	1.1	9.8	2.0	10.9	.9	4.9	12.6	36.6
16:00	.7	2.1	.9	2.2	.4	1.0	3.7	8.5
17:00	.6	1.5	1.3	2.6	.6	.3	6.2	6.9
18:00	.4	1.2	.6	1.3	.3	.0	2.1	.0
19:00	.9	1.5	1.2	2.0	.5	.0	3.9	.0
20:00	1.3	4.0	1.6	4.0	.7	.0	3.9	.0
21:00	1.0	.4	1.1	.8	.5	.0	3.0	.0
22:00	.8	1.0	1.2	1.8	.5	.0	3.9	.0
23:00	.7	4.0	1.4	4.3	.6	.1	6.4	7.6
Avg	1.3	1.3	1.3	2.8	.6	1.0	4.5	6.5
Max	3.2	9.8	3.6	10.9	1.6	4.9	12.6	36.6
Hr. of Max	12	15	12	15	12	15	15	15
Min	.1	.4	.2	.4	.1	.0	1.6	.0
Count	24	24	24	24	24	24	24	24
Total								