Date Printed: 07/26/2015 09:14

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

Daily Summary Report

Site: Tower "K" (1208)

7/25/2015

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	DEGF	DEGF	DEGC	DEGC	DEGF	PERCENT	G/M3
00:00	21.3	22.6	70.4	72.7	1.3	21.0	69.8	100.8	18.4
01:00	20.8	22.0	69.5	71.7	1.2	20.6	69.0	100.9	17.9
02:00	20.6	21.7	69.0	71.1	1.2	20.3	68.5	100.9	17.6
03:00	20.1	20.8	68.1	69.4	.7	19.8	67.7	100.9	17.1
04:00	19.6	21.2	67.4	70.2	1.6	19.4	67.0	100.9	16.7
05:00	19.2	20.3	66.6	68.6	1.1	19.0	66.2	100.9	16.3
06:00	18.7	20.1	65.7	68.2	1.4	18.5	65.4	100.9	15.9
07:00	18.9	19.9	66.1	67.9	1.0	18.7	65.7	101.0	16.1
08:00	20.7	21.1	69.3	70.1	.4	17.2	63.0	83.4	14.6
09:00	23.5	23.1	74.3	73.6	-.4	15.3	59.5	61.4	12.8
10:00	25.9	25.2	78.6	77.3	-.7	15.2	59.3	52.9	12.6
11:00	27.6	26.5	81.7	79.7	-1.1	16.4	61.5	51.7	13.6
12:00	28.5	27.7	83.2	81.9	-.8	16.5	61.7	49.6	13.6
13:00	29.6	29.1	85.3	84.4	-.5	17.2	62.9	48.7	14.2
14:00	30.4	29.3	86.7	84.8	-1.1	17.0	62.6	46.0	14.0
15:00	31.1	30.2	87.9	86.3	-.9	14.9	58.8	38.7	12.2
16:00	31.2	30.2	88.1	86.3	-1.0	14.6	58.3	37.9	12.1
17:00	31.1	30.4	88.0	86.6	-.7	14.6	58.2	37.9	12.0
18:00	30.8	30.8	87.4	87.4	.0	12.9	55.2	34.5	10.8
19:00	29.8	29.9	85.6	85.8	.1	16.9	62.5	47.8	14.0
20:00	28.1	27.9	82.5	82.2	-.1	20.7	69.3	66.9	17.8
21:00	25.4	26.7	77.8	80.1	1.3	22.9	73.2	88.5	20.3
22:00	23.9	25.2	75.0	77.3	1.2	23.1	73.6	98.1	20.7
23:00	23.1	23.9	73.5	75.1	.9	22.7	72.8	100.6	20.2
Avg	25.0	25.2	77.0	77.4	.3	18.1	64.7	73.0	15.5
Max	31.2	30.8	88.1	87.4	1.6	23.1	73.6	101.0	20.7
Hr. of Max	16	18	16	18	04	22	22	07	22
Min	18.7	19.9	65.7	67.9	-1.1	12.9	55.2	34.5	10.8
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	0.0163	0.0161	25.0	25.4	2440671.2	.0	.00	.00	-2.5
01:00	0.0158	0.0156	24.3	24.7	2441823.1	.0	.00	.00	-2.5
02:00	0.0155	0.0154	23.9	24.3	2442466.5	.0	.00	.00	-2.7
03:00	0.0151	0.0149	23.2	23.5	2443657.7	.0	.00	.00	-3.1
04:00	0.0147	0.0146	22.6	22.9	2444617.5	.0	.00	.00	-2.5
05:00	0.0143	0.0142	22.0	22.3	2445677.8	.0	.00	.00	-2.8
06:00	0.0139	0.0137	21.4	21.7	2446774.1	.0	.00	.00	.4
07:00	0.014	0.0139	21.7	21.9	2446297.7	.0	.00	.00	44.8
08:00	0.0128	0.0155	19.8	24.5	2442133.5	.0	.00	.00	259.7
09:00	0.0113	0.0184	17.5	29.0	2435510.6	.0	.00	.00	471.4
10:00	0.0112	0.0212	17.4	33.5	2429820.1	.0	.00	.00	652.1
11:00	0.0122	0.0235	18.8	37.1	2425701.2	.0	.00	.00	795.5
12:00	0.0123	0.0247	19.0	39.0	2423687.5	.0	.00	.00	940.8
13:00	0.0129	0.0264	19.9	41.6	2421031.8	.0	.00	.00	954.2
14:00	0.0127	0.0277	19.6	43.6	2419080.6	.0	.00	.00	881.4
15:00	0.0111	0.0288	17.2	45.3	2417493.7	.0	.00	.00	851.5
16:00	0.0109	0.0289	16.9	45.6	2417253.1	.0	.00	.00	497.0
17:00	0.0109	0.0288	16.9	45.3	2417449.8	.0	.00	.00	506.6
18:00	0.0098	0.0283	15.1	44.5	2418217.9	.0	.00	.00	358.1
19:00	0.0127	0.0267	19.6	42.0	2420624.1	.0	.00	.00	135.1
20:00	0.0161	0.0242	24.7	38.1	2424664.5	.0	.00	.00	31.7
21:00	0.0183	0.0207	28.0	32.6	2430853.9	.0	.00	.00	-2.2
22:00	0.0185	0.0189	28.3	29.8	2434514.9	.0	.00	.00	-2.6
23:00	0.018	0.0179	27.6	28.3	2436525.9	.0	.00	.00	-2.4
Avg	0.0138	0.0208	21.3	32.8	2431939.5	.0	.00	.00	306.5
Max	0.0185	0.0289	28.3	45.6	2446774.1	.0	.00	.00	954.2
Hr. of Max	22	16	22	16	06	23	23	23	13
Min	0.0098	0.0137	15.1	21.7	2417253.1	.0	.00	.00	-3.1
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	.00	28.94	980.2	23	25	3	25	60	37
01:00	.00	28.95	980.4	14	7	30	7	48	19
02:00	.00	28.95	980.3	96	55	78	55	32	12
03:00	.00	28.95	980.4	146	25	4	25	34	21
04:00	.00	28.94	980.0	87	55	80	55	49	16
05:00	.00	28.94	979.9	90	40	76	40	70	24
06:00	.00	28.96	980.6	21	20	24	20	55	28
07:00	.06	28.97	981.2	70	35	35	35	59	11
08:00	.37	28.98	981.3	119	26	85	26	58	26
09:00	.68	28.98	981.4	332	56	18	56	68	30
10:00	.94	28.98	981.2	157	90	143	90	74	52
11:00	1.14	28.97	981.2	236	249	239	249	45	39
12:00	1.35	28.97	981.0	254	258	252	258	52	37
13:00	1.37	28.96	980.6	308	316	292	316	52	43
14:00	1.26	28.94	980.0	255	252	250	252	43	40
15:00	1.22	28.93	979.8	274	279	270	279	29	19
16:00	.71	28.92	979.3	248	248	250	248	24	17
17:00	.73	28.91	979.0	276	286	266	286	31	17
18:00	.51	28.91	978.9	343	345	335	345	64	10
19:00	.19	28.90	978.8	53	353	59	353	27	19
20:00	.05	28.91	979.0	210	197	205	197	26	25
21:00	.00	28.92	979.4	67	57	55	57	52	25
22:00	.00	28.94	980.1	253	38	258	38	53	25
23:00	.00	28.96	980.7	14	56	51	56	45	14
Avg	.44	28.95	980.2	1	9	0	0	48	25
Max	1.37	28.98	981.4	343	353	335	353	74	52
Hr. of Max	13	10	09	18	19	18	19	10	10
Min	.00	28.90	978.8	14	7	3	7	24	10
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	.4	.9	.8	1.1	.4	.5	2.3	3.0
01:00	.3	.5	.4	.7	.2	.3	1.6	2.5
02:00	.3	.7	.6	.9	.3	.4	2.1	3.0
03:00	.2	.5	.4	.7	.2	.3	2.3	3.0
04:00	.6	.8	.7	1.0	.3	.4	3.7	4.5
05:00	.1	.8	.7	1.0	.3	.4	2.7	3.5
06:00	.4	.6	.5	.8	.2	.3	2.3	3.0
07:00	.1	.4	.2	.5	.1	.2	1.4	2.0
08:00	.2	.4	.3	.5	.1	.2	2.5	3.0
09:00	.4	1.3	1.1	1.5	.5	.7	3.9	5.0
10:00	.4	.3	1.1	.5	.5	.2	4.1	5.0
11:00	1.8	2.7	2.2	3.0	1.0	1.4	6.9	9.0
12:00	2.2	3.1	2.8	3.5	1.2	1.6	7.3	9.5
13:00	1.5	2.7	2.4	3.0	1.1	1.4	7.6	10.0
14:00	2.6	3.6	3.3	4.0	1.5	1.8	12.1	15.0
15:00	3.1	4.1	3.6	4.5	1.6	2.0	10.1	13.0
16:00	4.5	6.1	5.0	6.5	2.2	3.0	10.1	13.0
17:00	2.6	3.7	3.1	4.0	1.4	1.8	9.4	12.5
18:00	.5	1.0	.9	1.3	.4	.6	5.0	8.0
19:00	1.1	1.3	1.2	1.6	.5	.7	3.9	67.0
20:00	.3	.6	.4	.7	.2	.3	1.8	4.0
21:00	.3	1.1	1.0	1.3	.5	.6	2.3	3.0
22:00	.4	.8	.7	1.0	.3	.4	2.1	2.5
23:00	.3	.6	.4	.8	.2	.3	2.1	2.5
Avg	.6	.6	1.4	1.8	.6	.8	4.6	8.6
Max	4.5	6.1	5.0	6.5	2.2	3.0	12.1	67.0
Hr. of Max	16	16	16	16	16	16	14	19
Min	.1	.3	.2	.5	.1	.2	1.4	2.0
Count	24	24	24	24	24	24	24	24
Total								