Date Printed: 05/28/2017 08:39

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

Daily Summary Report

Site: Tower "K" (1208)

5/27/2017

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	18.8	21.1	65.8	70.1	2.4	18.0	64.4	97.3	15.3
01:00	18.9	20.9	66.1	69.6	2.0	18.1	64.6	97.3	15.5
02:00	18.8	20.5	65.9	68.9	1.7	18.1	64.5	97.3	15.4
03:00	19.6	20.6	67.3	69.1	1.0	17.7	63.9	90.9	15.1
04:00	19.5	20.2	67.1	68.4	.7	17.5	63.5	90.0	14.8
05:00	18.1	19.4	64.6	67.0	1.3	17.3	63.1	96.9	14.7
06:00	17.6	19.1	63.7	66.4	1.5	16.9	62.4	97.5	14.4
07:00	17.6	18.9	63.8	66.1	1.3	16.5	61.8	95.1	14.0
08:00	19.3	19.3	66.7	66.7	.0	16.7	62.1	86.9	14.1
09:00	21.5	20.7	70.7	69.2	-.8	16.7	62.0	75.7	14.0
10:00	22.5	21.6	72.5	70.9	-.9	16.8	62.2	71.5	14.1
11:00	23.6	22.5	74.4	72.4	-1.1	17.0	62.5	68.2	14.2
12:00	24.7	23.5	76.5	74.4	-1.2	17.4	63.3	65.1	14.5
13:00	25.1	23.9	77.1	74.9	-1.2	17.9 -	64.2 -	66.1	15.0 -
14:00	25.3	24.4	77.6	75.9	-.9	18.1	64.5	65.8	15.2
15:00	26.2	24.8	79.1	76.6	-1.4	18.0	64.4	62.7	15.1
16:00	27.0	25.9	80.5	78.6	-1.0	18.5	65.3	61.5	15.5
17:00	24.8	24.6	76.7	76.4	-.2	21.5	70.7	85.1	18.8
18:00	23.0	23.8	73.4	74.8	.8	22.2	72.0	98.0	19.6
19:00	22.6	23.3	72.7	74.0	.7	21.8	71.3	98.2	19.2
20:00	22.4	23.1	72.3	73.6	.8	21.6	70.9	98.3	19.0
21:00	21.9	23.1	71.4	73.6	1.2	21.2	70.1	98.3	18.5
22:00	21.4	21.7	70.5	71.1	.3	20.7	69.3	98.4	
23:00									
Avg	21.7	22.0	71.1	71.7	.3	18.5	65.3	85.3	15.7
Max	27.0	25.9	80.5	78.6	2.4	22.2	72.0	98.4	19.6
Hr. of Max	16	16	16	16	00	18	18	22	18
Min	17.6	18.9	63.7	66.1	-1.4	16.5	61.8	61.5	14.0
Count	23	23	23	23	23	23	23	23	22
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	0.0134	0.0137	20.7	21.7	2446708.9	.0	.00	.00	-2.8
01:00	0.0135	0.0139	20.9	21.9	2446330.9	.0	.00	.00	-2.5
02:00	0.0134	0.0138	20.8	21.8	2446551.7	.0	.00	.00	-2.5
03:00	0.0132	0.0145	20.3	22.9	2444737.2	.0	.00	.01	-2.5
04:00	0.0129	0.0144	20.0	22.7	2444970.1	.0	.00	.00	-2.8
05:00	0.0128	0.0132	19.8	20.8	2448302.1	.0	.00	.00	-2.8
06:00	0.0124	0.0128	19.3	20.2	2449518.2	.0	.00	.00	10.1
07:00	0.0122	0.0128	18.9	20.2	2449389.5	.0	.00	.00	66.4
08:00	0.0123	0.0142	19.1	22.4	2445532.3	.0	.00	.01	138.1
09:00	0.0123	0.0163	19.1	25.7	2440219.4	.0	.00	.00	272.1
10:00	0.0124	0.0173	19.2	27.4	2437812.4	.0	.00	.00	297.8
11:00	0.0125	0.0184	19.4	29.2	2435321.0	.0	.00	.00	384.9
12:00	0.0129	0.0198	20.0	31.3	2432511.3	.0	.00	.00	478.0
13:00	0.0133 -	0.0202 -	20.6 -	31.9	2431777.0	.0	.00	.00	444.5
14:00	0.0135	0.0205	20.9	32.4	2431104.2	.0	.00	.00	357.7
15:00	0.0135	0.0216	20.8	34.1	2429127.2	.0	.00	.01	575.0
16:00	0.0139	0.0226	21.4	35.7	2427266.2	.0	.00	.00	359.7
17:00	0.0168	0.02	25.8	31.5	2432343.8	1.2	.05	.00	45.6
18:00	0.0175	0.0179	26.8	28.2	2436687.2	.0	.00	.00	16.9
19:00	0.0171	0.0174	26.3	27.5	2437634.5	.0	.00	.00	3.4
20:00	0.0169	0.0172	25.9	27.1	2438177.9	.0	.00	.00	.9
21:00	0.0164	0.0167	25.2	26.3	2439305.1	.0	.00	.00	-2.4
22:00	<	<	24.5	25.6	<	7.6	.30	<	-3.0
23:00						1.0	.04		
Avg	0.0139	0.0168	21.6	26.5	2439605.8	.4	.02	.00	149.1
Max	0.0175	0.0226	26.8	35.7	2449518.2	7.6	.30	.01	575.0
Hr. of Max	18	16	18	16	06	22	22	15	15
Min	0.0122	0.0128	18.9	20.2	2427266.2	.0	.00	.00	-3.0
Count	22	22	23	23	22	24	24	22	23
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	29.05	983.7	288	218	197	218	43	5
01:00	.00	29.05	983.7	322	220	235	220	25	3
02:00	.00	29.03	983.2	318	227	241	227	25	4
03:00	.00	29.02	982.8	246	229	240	229	26	4
04:00	.00	29.02	982.6	345	256	305	250	37	9
05:00	.00	29.02	982.6	43	281	59	281	25	8
06:00	.01	29.02	982.7	73	277	76	263	20	13
07:00	.10	29.03	983.0	28	236	29	232	46	15
08:00	.20	29.05	983.7	143	238	185	235	62	14
09:00	.39	29.05	983.9	240	230	243	231	23	12
10:00	.43	29.06	984.0	225	224	223	223	22	11
11:00	.55	29.06	984.0	228	224	230	223	25	14
12:00	.69	29.05	983.9	212	215	212	214	23	12
13:00	.64	29.00 -	982.1 -	194	192	194	191	27	15
14:00	.51	29.03	983.0	247	243	248	242	26	16
15:00	.82	29.01	982.5	228	229	234	228	29	15
16:00	.52	28.99	981.8	233	228	236	229	23	14
17:00	.07	28.98	981.4	239	246	203	250	46	31
18:00	.02	28.96	980.8	74	204	99	191	41	39
19:00	.00	28.96	980.6	57	207	69	179	43	52
20:00	.00	28.94	980.1	46	173	68	160	48	38
21:00	.00	28.95	980.4	89	251	107	232	57	27
22:00	.00	29.00	982.2	267	246	291	266	46	29
23:00									
Avg	.22	29.01	982.6	259	230	0	0	34	17
Max	.82	29.06	984.0	345	281	305	281	62	52
Hr. of Max	15	11	11	04	05	04	05	08	19
Min	.00	28.94	980.1	28	173	29	160	20	3
Count	23	23	23	23	23	23	23	23	23
Total									

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Interval: 001h

	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	.2	5.2	.3	5.1	.1	2.3	2.3	7.3
01:00	.3	6.3	.5	6.3	.2	2.8	2.5	8.2
02:00	.2	8.1	.2	8.1	.1	3.6	2.7	11.0
03:00	1.4	8.5	1.5	8.5	.7	3.8	5.5	11.2
04:00	.3	5.2	1.2	5.4	.5	2.4	4.4	10.5
05:00	.4	2.5	.5	2.5	.2	1.1	1.8	3.9
06:00	.6	.4	.7	.4	.3	.2	2.5	3.2
07:00	.2	1.5	.2	1.5	.1	.7	2.1	4.8
08:00	.9	4.7	1.1	4.8	.5	2.2	4.8	9.2
09:00	4.7	8.5	5.1	8.6	2.3	3.9	12.6	21.1
10:00	6.0	11.5	6.5	11.6	2.9	5.2	15.3	21.1
11:00	4.3	7.4	4.7	7.6	2.1	3.4	10.1	14.2
12:00	5.3	9.9	6.0	10.3	2.7	4.6	13.7	17.2
13:00	5.5	11.4	6.3	11.9	2.8	5.4	16.9	20.2
14:00	5.1	7.8	5.7	8.1	2.6	3.6	12.4	16.0
15:00	4.4	7.8	5.4	8.4	2.4	3.8	12.1	17.2
16:00	4.7	7.4	5.2	7.7	2.3	3.5	14.2	16.0
17:00	.9	2.7	1.9	5.3	.9	2.4	6.2	11.4
18:00	1.1	3.1	1.9	4.0	.9	1.8	11.0	14.2
19:00	.9	1.0	1.3	1.6	.6	.7	5.5	4.4
20:00	.7	3.8	1.5	4.2	.7	1.9	5.7	11.4
21:00	.6	2.3	1.5	3.7	.7	1.7	4.6	8.9
22:00	6.1	20.5	7.9	22.7	<	<	35.0	60.7
23:00								
Avg	3.7	3.7	2.9	6.8	1.2	2.8	8.9	14.1
Max	6.1	20.5	7.9	22.7	2.9	5.4	35.0	60.7
Hr. of Max	22	22	22	22	10	13	22	22
Min	.2	.4	.2	.4	.1	.2	1.8	3.2
Count	23	23	23	23	22	22	23	23
Total								