Date Printed: 09/12/2016 10:13

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

Daily Summary Report

Site: Tower "K" (1208)

9/10/2016

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	21.8	23.6	71.3	74.5	1.8	19.2	66.5	86.9	16.4
01:00	21.1	22.6	70.0	72.7	1.5	19.3	66.7	91.3	16.5
02:00	20.3	22.0	68.5	71.6	1.7	19.1	66.4	95.2	16.4
03:00	19.8	21.0	67.7	69.8	1.2	19.0	66.2	97.3	16.3
04:00	19.2	20.4	66.6	68.6	1.1	18.5	65.2	97.4	15.8
05:00	18.7	19.6	65.7	67.3	.9	18.0	64.4	97.6	15.3
06:00	18.4	19.3	65.2	66.8	.9	17.7	63.9	97.6	15.1
07:00	18.2	19.3	64.8	66.7	1.1	17.4	63.4	97.0	14.8
08:00	19.0	20.0	66.2	68.0	1.0	14.6	58.4	77.5	12.4
09:00	22.3	21.6	72.1	70.8	-.7	14.2	57.5	61.4	11.9
10:00	25.0	24.4	77.1	75.9	-.7	12.3	54.1	46.1	10.5
11:00	28.6	27.2	83.4	80.9	-1.4	12.7	54.9	38.7	10.7
12:00	30.6	29.3	87.0	84.7	-1.3	14.0	57.2	37.6	11.6
13:00	31.7	30.2	89.0	86.4	-1.4	14.6	58.3	36.8	12.0
14:00	32.0	30.5	89.6	86.9	-1.5	14.7	58.5	36.3	12.1
15:00	32.8	31.2	91.1	88.1	-1.7	13.9	57.0	33.0	11.5
16:00	33.5	31.6	92.2	88.9	-1.9	13.8	56.8	31.5	11.4
17:00	33.5	32.1	92.3	89.8	-1.4	13.2	55.8	30.4	11.0
18:00	32.6	32.1	90.8	89.8	-.5	14.0	57.3	33.5	11.6
19:00	31.2	31.5	88.2	88.7	.3	15.6	60.1	40.3	12.8
20:00	26.7	26.2	80.1	79.2	-.5	18.9	65.9	64.0	15.9
21:00	25.0	24.8	76.9	76.6	-.2	18.4	65.2	69.0	15.5
22:00	23.8	23.5	74.8	74.2	-.3	16.9	62.4	66.7	14.1
23:00	22.5	22.4	72.5	72.3	-.1	17.5	63.6	75.3	14.8
Avg	25.3	25.3	77.6	77.5	-.1	16.1	61.1	64.1	13.6
Max	33.5	32.1	92.3	89.8	1.8	19.3	66.7	97.6	16.5
Hr. of Max	17	18	17	18	00	01	01	06	01
Min	18.2	19.3	64.8	66.7	-1.9	12.3	54.1	30.4	10.5
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	0.0144	0.0166	22.3	26.3	2439416.9	.0	.00	.00	-2.7
01:00	0.0145	0.0159	22.4	25.1	2441141.1	.0	.00	.00	-2.8
02:00	0.0143	0.015	22.2	23.8	2443168.0	.0	.00	.00	-2.8
03:00	0.0142	0.0146	22.0	23.2	2444242.7	.0	.00	.00	-2.9
04:00	0.0138	0.0141	21.3	22.4	2445577.3	.0	.00	.00	-2.8
05:00	0.0133	0.0136	20.7	21.6	2446846.8	.0	.00	.00	-3.1
06:00	0.0131	0.0134	20.3	21.3	2447470.8	.0	.00	.00	-2.8
07:00	0.0128	0.0132	19.9	21.0	2447976.7	.0	.00	.00	18.1
08:00	0.0107	0.0139	16.7	22.0	2446147.8	.0	.00	.00	165.5
09:00	0.0104	0.017	16.3	27.1	2438339.3	.0	.00	.00	361.8
10:00	0.0092	0.0201	14.4	31.9	2431817.6	.0	.00	.00	555.3
11:00	0.0096	0.0247	14.9	39.2	2423433.3	.0	.00	.00	701.3
12:00	0.0104	0.0277	16.3	44.0	2418719.7	.0	.00	.00	750.4
13:00	0.0109	0.0295	16.9	46.8	2416126.4	.0	.00	.00	762.0
14:00	0.0109	0.0302	17.0	47.8	2415262.3	.0	.00	.00	644.8
15:00	0.0104	0.0316	16.2	50.0	2413353.6	.0	.00	.00	593.6
16:00	0.0103	0.0328	16.1	51.8	2411844.4	.0	.00	.00	566.1
17:00	0.01	0.0329	15.5	51.9	2411735.7	.0	.00	.00	313.5
18:00	0.0105	0.0313	16.3	49.5	2413761.7	.0	.00	.00	95.2
19:00	0.0116	0.0289	18.0	45.6	2417188.2	.0	.00	.00	10.8
20:00	0.0142	0.0222	21.9	35.2	2427885.7	.0	.00	.00	-2.5
21:00	0.0138	0.02	21.4	31.7	2431982.3	.3	.01	.00	-2.4
22:00	0.0124	0.0186	19.3	29.6	2434777.7	.0	.00	.00	-2.5
23:00	0.013	0.0172	20.1	27.3	2437834.4	.0	.00	.00	-2.6
Avg	0.012	0.0215	18.7	34.0	2431085.4	.0	.00	.00	229.5
Max	0.0145	0.0329	22.4	51.9	2447976.7	.3	.01	.00	762.0
Hr. of Max	01	17	01	17	07	21	21	23	13
Min	0.0092	0.0132	14.4	21.0	2411735.7	.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	29.10	985.5	9	222	346	219	33	9
01:00	.00	29.09	985.2	45	253	83	202	27	20
02:00	.00	29.09	985.1	312	215	201	272	50	34
03:00	.00	29.09	985.1	33	326	109	325	51	13
04:00	.00	29.09	985.0	8	73	321	76	43	27
05:00	.00	29.10	985.6	21	268	208	262	43	20
06:00	.00	29.12	986.0	17	316	22	315	5	7
07:00	.03	29.13	986.6	26	321	0	321	14	0
08:00	.24	29.15	987.2	348	186	312	160	26	30
09:00	.52	29.16	987.5	196	199	180	188	60	24
10:00	.80	29.16	987.7	280	235	259	233	74	58
11:00	1.01	29.15	987.2	200	203	203	204	41	20
12:00	1.08	29.13	986.6	210	204	214	206	40	26
13:00	1.09	29.11	985.7	226	225	230	225	28	18
14:00	.92	29.08	984.7	242	236	242	235	29	21
15:00	.85	29.05	983.7	220	217	221	216	33	20
16:00	.81	29.02	982.6	187	182	190	183	34	21
17:00	.45	28.99	981.9	194	193	195	194	20	13
18:00	.14	29.02	982.6	213	220	212	220	24	10
19:00	.02	29.03	983.2	232	240	234	249	27	18
20:00	.00	29.07	984.6	347	326	325	319	39	16
21:00	.00	29.11	985.8	307	299	299	300	33	13
22:00	.00	29.12	986.2	280	274	274	275	38	25
23:00	.00	29.15	987.3	96	228	146	221	68	37
Avg	.33	29.10	985.4	287	238	0	0	37	21
Max	1.09	29.16	987.7	348	326	346	325	74	58
Hr. of Max	13	10	10	08	20	00	03	10	10
Min	.00	28.99	981.9	8	73	0	76	5	0
Count	24	24	24	24	24	24	24	24	24
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	.6	.2	.6	.1	.3	1.8	1.6
01:00	.2	.2	.3	.4	.1	.2	2.1	1.4
02:00	.4	.3	.6	.8	.3	.4	2.3	3.0
03:00	.1	2.0	.4	2.1	.2	.9	2.5	3.9
04:00	.0	.1	.2	.2	.1	.1	1.8	1.6
05:00	.1	.5	.3	.5	.1	.3	1.6	2.5
06:00	.0	.6	.0	.6	.0	.3	.7	1.8
07:00	.0	.1	.0	.1	.0	.1	.0	1.4
08:00	.1	.1	.4	.2	.2	.1	1.8	1.8
09:00	.9	1.8	1.3	1.9	.6	.9	4.6	5.5
10:00	.7	1.2	1.4	1.7	.6	.8	5.3	7.8
11:00	2.4	3.9	3.1	4.2	1.4	1.9	8.2	9.4
12:00	3.4	5.3	4.3	6.1	1.9	2.8	12.4	14.4
13:00	6.7	10.7	7.9	11.5	3.5	5.2	18.1	21.1
14:00	5.5	8.8	6.4	9.7	2.9	4.3	15.1	18.8
15:00	5.4	9.9	6.5	10.7	2.9	4.8	16.0	20.6
16:00	5.1	8.9	5.9	9.5	2.6	4.3	16.0	19.7
17:00	6.0	11.1	6.3	11.3	2.8	5.1	14.9	19.5
18:00	3.8	8.5	4.0	8.6	1.8	3.9	11.9	15.3
19:00	2.6	8.0	3.2	9.6	1.4	4.3	20.4	27.9
20:00	1.8	11.8	2.3	12.2	1.0	5.5	15.6	33.2
21:00	3.7	13.8	4.2	14.3	1.9	6.4	16.0	31.6
22:00	3.7	7.6	4.2	8.1	1.9	3.7	13.1	18.5
23:00	.5	1.5	1.5	3.7	.7	1.7	6.2	8.9
Avg	.7	.7	2.7	5.3	1.2	2.4	8.7	12.1
Max	6.7	13.8	7.9	14.3	3.5	6.4	20.4	33.2
Hr. of Max	13	21	13	21	13	21	19	20
Min	.0	.1	.0	.1	.0	.1	.0	1.4
Count	24	24	24	24	24	24	24	24
Total								