Date Printed: 05/05/2016 09:27

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

Daily Summary Report

Site: Tower "A" (7900 Area)

5/4/2016

Interval: 001h

	01_TempC_010m	02_TempC_030m	03_TempF_010m	04_TempF_030m	05_VT Grad	06_DewPtC_010m	07_DewPtF_010m	08_RH_010m	09_AbsHum_010m
Hour	DEGC	DEGC	DEGC	DEGF	DEGC	DEGC	DEGF	PERCENT	G/M3
00:00	13.5	14.0	56.4	57.2	.4	9.2	48.5	76.1	8.8
01:00	13.4	13.6	56.1	56.4	.2	8.9	48.1	75.4	8.7
02:00	13.5	13.5	56.3	56.3	.0	8.2	46.8	71.4	8.3
03:00	12.7	12.8	54.8	55.0	.1	8.0	46.4	74.0	8.1
04:00	11.4	11.8	52.5	53.2	.4	7.9	46.2	80.0	8.1
05:00	9.9	10.8	49.8	51.4	.9	8.1	46.6	89.7	8.3
06:00	9.6	10.2	49.3	50.3	.6	8.0	46.4	90.6	8.2
07:00	9.4	9.7	49.0	49.5	.3	6.8	44.2	84.5	7.6
08:00	11.3	11.2	52.3	52.1	-.1	6.5	43.7	73.3	7.4
09:00	13.2	13.0	55.7	55.4	-.1	5.8	42.5	62.0	7.0
10:00	14.5	14.4	58.1	57.9	-.1	4.6	40.4	52.4	6.5
11:00	15.7	15.5	60.3	59.9	-.3	4.7	40.5	48.6	6.5
12:00	16.8	16.6	62.2	61.8	-.2	4.1	39.5	43.8	6.2
13:00	17.2	17.1	63.0	62.8	-.1	4.0	39.2	42.1	6.1
14:00	17.9	17.7	64.3	63.8	-.3	4.1	39.4	40.6	6.2
15:00	18.3	18.1	64.9	64.6	-.2	3.7	38.7	38.7	6.0
16:00	17.7	17.7	63.9	63.9	.0	4.6	40.3	42.7	6.4
17:00	13.3	13.3	55.9	55.9	.0	9.1	48.3	78.0	8.8
18:00	11.5	11.5	52.7	52.7	.0	9.9	49.8	91.2	9.3
19:00	11.6	11.7	53.0	53.0	.0	9.7	49.4	89.0	9.2
20:00	10.6	10.8	51.2	51.4	.1	8.6	47.4	88.2	8.5
21:00	9.8	9.8	49.6	49.7	.1	9.0	48.2	96.1	8.8
22:00	9.5	9.5	49.0	49.1	.0	9.0	48.2	98.1	8.8
23:00	8.7	8.9	47.7	48.0	.1	8.4	47.1	98.8	8.5
Avg	13.0	13.1	55.3	55.5	.1	7.1	44.8	71.9	7.8
Max	18.3	18.1	64.9	64.6	.9	9.9	49.8	98.8	9.3
Hr. of Max	15	15	15	15	05	18	18	23	18
Min	8.7	8.9	47.7	48.0	-.3	3.7	38.7	38.7	6.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

5/4/2016

Interval: 001h

	10_MixRatio_010m	1_Sat Mix Ratio_010	12_VaporPr_010m	3_Sat Vapor_Pr_010	14_LHV_010m	14a_WetBulbC	15_Precip_mm	16_Precip_In	17_BarPres_In
Hour	COUNT	COUNT	KPa	KPa	None	DEGC	MM	INCHES	INHG
00:00	0.007499	0.009864	11.7	15.54	2459127.2	10.6	.0	.00	28.94
01:00	0.007372	0.009788	11.5	15.41	2459421.2	10.4	.0	.00	28.93
02:00	0.007035	0.00985	11.0	15.51	2459201.7	10.0	.0	.00	28.92
03:00	0.006904	0.009337	10.7	14.69	2461170.4	9.5	.0	.00	28.91
04:00	0.006863	0.008583	10.7	13.51	2464193.2	9.1	.0	.00	28.90
05:00	0.006967	0.007768	10.8	12.22	2467738.4	8.7	.0	.00	28.90
06:00	0.006899	0.007614	10.7	11.98	2468455.9	8.5	.0	.00	28.90
07:00	0.006351	0.007528	9.9	11.84	2468854.8	7.7	.0	.00	28.90
08:00	0.006241	0.00853	9.7	13.42	2464435.0	8.1	.0	.00	28.90
09:00	0.005968	0.009639	9.3	15.16	2460028.5	8.3	.0	.00	28.90
10:00	0.005504	0.010511	8.6	16.53	2456889.0	7.9	.0	.00	28.88
11:00	0.005543	0.0114	8.6	17.92	2453916.0	8.4	.0	.00	28.87
12:00	0.00534	0.012188	8.3	19.14	2451453.6	8.4	.0	.00	28.85
13:00	0.00528	0.01253	8.2	19.67	2450428.9	8.4	.0	.00	28.83
14:00	0.005339	0.01315	8.3	20.62	2448664.2	8.7	.0	.00	28.80
15:00	0.005204	0.013464	8.1	21.09	2447803.1	8.6	.0	.00	28.77
16:00	0.005531	0.012968	8.6	20.30	2449250.6	9.0	.0	.00	28.75
17:00	0.007498	0.009767	11.6	15.31	2459793.8	10.5	1.7	.07	28.80
18:00	0.007897	0.008661	12.2	13.57	2464008.9	10.4	.3	.01	28.78
19:00	0.007781	0.008754	12.0	13.72	2463626.7	10.3	.0	.00	28.79
20:00	0.007208	0.008186	11.2	12.84	2466003.0	9.3	1.0	.04	28.82
21:00	0.007414	0.007715	11.5	12.11	2468067.4	9.3	.0	.00	28.83
22:00	0.007412	0.007553	11.5	11.86	2468804.6	9.2	.1	.00	28.84
23:00	0.007102	0.007188	11.0	11.29	2470537.8	8.5	.0	.00	28.84
Avg	0.00659	0.009689	10.2	15.22	2460494.7	9.1	.1	.01	28.86
Max	0.007897	0.013464	12.2	21.09	2470537.8	10.6	1.7	.07	28.94
Hr. of Max	18	15	18	15	23	00	17	17	00
Min	0.005204	0.007188	8.1	11.29	2447803.1	7.7	.0	.00	28.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

5/4/2016

Interval: 001h

	18_BarPres_Mb	21_WDir_010m	22_WDir_030m	23_VWDir_010m	24_VWDir_030m	25_Sigma_010m	26_Sigma_030m	27_RWSpd_010m	28_RWSpd_030m
Hour	KPa	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	979.9	260	213	255	218	42.3	21.6	.6	1.9
01:00	979.5	231	243	236	248	45.7	28.5	1.9	3.3
02:00	979.2	269	280	266	283	51.2	35.5	2.2	4.0
03:00	978.8	254	273	255	274	29.9	19.9	2.8	4.7
04:00	978.7	259	270	258	270	23.8	11.2	1.7	3.2
05:00	978.6	233	236	237	236	30.7	10.6	1.0	3.5
06:00	978.5	259	249	259	249	14.1	8.1	2.1	4.0
07:00	978.6	248	242	248	242	32.6	13.9	1.8	3.8
08:00	978.6	219	235	217	234	27.8	21.7	3.1	4.1
09:00	978.5	241	258	243	261	40.8	33.9	3.5	4.8
10:00	978.0	294	290	290	290	46.8	37.7	3.8	5.4
11:00	977.5	270	278	277	283	57.9	46.5	2.1	3.6
12:00	977.0	245	255	244	252	52.4	36.3	3.1	5.5
13:00	976.3	218	233	212	234	39.4	27.3	3.4	4.1
14:00	975.4	205	216	206	216	36.2	14.3	4.5	5.0
15:00	974.4	203	207	201	207	27.1	26.4	5.4	7.8
16:00	973.6	242	253	241	254	38.5	20.1	2.6	4.9
17:00	975.3	300	307	311	312	58.2	49.1	2.5	4.1
18:00	974.7	226	227	217	223	46.3	40.0	2.4	3.6
19:00	974.9	273	272	283	282	40.9	28.1	2.0	3.3
20:00	975.8	277	249	291	296	66.5	60.9	.7	.7
21:00	976.1	284	282	284	281	44.8	29.4	1.5	2.5
22:00	976.6	236	244	234	246	35.5	25.6	1.9	3.4
23:00	976.6	256	252	257	252	23.1	11.4	2.2	4.3
Avg	977.1	250	253	258	258	39.7	27.4	2.8	2.8
Max	979.9	300	307	311	312	66.5	60.9	5.4	7.8
Hr. of Max	00	17	17	17	17	20	20	15	15
Min	973.6	203	207	201	207	14.1	8.1	.6	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

5/4/2016

Interval: 001h

	29_WSpd_010m	30_WSpd_030m	31_WSpdms_010m	32_WSpdms_030m	33_WElev_015m	34_WElev_030m	35_VSSpd_015m	36_VSSpd_030m	37_VSSpdms_015m
Hour	MPH	MPH	M/SEC	M/SEC	DEG	DEG	MPH	MPH	M/SEC
00:00	1.3	2.1	.6	.9	.5	2.6	.0	.1	.01
01:00	2.5	3.7	1.1	1.7	-1.5	.2 +	-.2	-.1 +	-.07
02:00	3.0	4.5	1.4	2.0	-3.6	-4.8 +	-.3	-.5 +	-.13
03:00	3.1	5.0	1.4	2.2	-5.1	-4.3 +	-.4	-.4 +	-.19
04:00	1.8	3.3	.8	1.5	-3.5	-.6	-.2	-.1	-.07
05:00	1.2	3.5	.5	1.6	-.4	.6	.0	.0	-.01
06:00	2.2	4.1	1.0	1.8	-3.5	-.8	-.2	-.1	-.08
07:00	2.0	3.9	.9	1.8	.5	1.3 +	-.1	.0 +	-.02
08:00	3.5	4.4	1.6	2.0	4.5	4.7 +	.2	.3 +	.09
09:00	4.3	5.5	1.9	2.5	-.1	2.2 +	-.2	-.1 +	-.10
10:00	5.2	6.6	2.3	2.9	-5.1	-3.1	-.7	-.6	-.32
11:00	4.9	5.9	2.2	2.6	2.1	3.9	.0	.1	.00
12:00	4.3	6.6	1.9	2.9	-.5	1.7	-.2	.2	-.10
13:00	4.1	4.5	1.8	2.0	-1.9	2.4	-.2	.2	-.09
14:00	5.2	5.2	2.3	2.3	.3	-9.9	-.1	-.4	-.03
15:00	6.1	8.6	2.7	3.9	1.3	18.0	.0	3.8	-.02
16:00	3.3	5.4	1.5	2.4	-3.1	1.5	-.3	.0	-.14
17:00	4.1	5.6	1.8	2.5	-4.3	-.9 +	-.5	-.4 +	-.24
18:00	3.8	4.9	1.7	2.2	.3	-.6 +	.0	.0 +	-.02
19:00	2.8	4.1	1.2	1.8	-4.2	-3.9 +	-.3	-.4 +	-.16
20:00	2.8	3.5	1.3	1.6	1.2	-5.5 +	-.1	-.3 +	-.04
21:00	1.9	2.8	.8	1.2	-5.9	-4.9	-.2	-.2	-.11
22:00	2.3	3.7	1.0	1.7	-1.3	-.6	-.1	-.1	-.06
23:00	2.4	4.4	1.1	2.0	-6.2	-2.3	-.3	-.2	-.15
Avg	3.3	4.7	1.5	2.1	-1.6	-.1	-.2	.0	-.09
Max	6.1	8.6	2.7	3.9	4.5	18.0	.2	3.8	.09
Hr. of Max	15	15	15	15	08	15	08	15	08
Min	1.2	2.1	.5	.9	-6.2	-9.9	-.7	-.6	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

5/4/2016

Interval: 001h

	38_VSSpdms_030m	40_PkWsQ_010m	42_PkWsH_010m	43_PkWsH_030m	44_SigPhi_015m	45_SigPhi_030m	46_SonicTemp_015m	47_SonicTemp_030m
Hour	M/SEC	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.04		3.4	5.3	11.7	8.5	14.9	14.4
01:00	-.04 +		10.5	11.6	19.8	<	14.8	14.0
02:00	-.24 +		11.7	11.8	26.0	<	14.8	13.9
03:00	-.19 +		9.9	11.8	20.0	<	14.0	13.2
04:00	-.04		6.5	7.5	13.6	8.8	12.7	12.2
05:00	.02		3.5	6.0	11.9	5.2	11.3	11.3
06:00	-.03		4.5	6.3	7.9	4.0	11.0	10.7
07:00	.01 +		5.9	7.4	17.7	<	10.8	10.1
08:00	.13 +		10.0	8.9	21.2	<	12.5	11.5
09:00	-.04 +		12.5	13.6	25.3	<	14.3	13.2
10:00	-.27		17.3	17.8	23.9	22.3	15.6	14.5
11:00	.07		13.1	17.6	24.2	24.8	16.7	15.5
12:00	.10		12.2	13.8	25.1	18.9	17.6	16.3
13:00	.09		10.8	14.3	24.3	28.3	18.0	17.0
14:00	-.18		16.5	10.6	21.1	24.7	18.6	17.4
15:00	1.68		17.3	16.2	18.1	<	19.0	18.0
16:00	.00		10.4	13.7	22.8	18.1	18.7	17.8
17:00	-.17 +		28.9	28.5	24.5	24.1	14.6	13.8
18:00	-.01 +		11.0	12.6	19.7	17.6	12.9	12.1
19:00	-.18 +		16.0	18.2	19.9	16.4	13.1	12.2
20:00	-.14 +		18.9	22.0	22.0	25.9	12.0	11.2
21:00	-.11		4.3	5.9	15.3	10.6	11.1	10.4
22:00	-.04		5.0	7.5	17.7	10.0	10.8	10.1
23:00	-.09		4.9	6.7	14.3	6.6	10.1	9.4
Avg	.02		11.0	12.3	19.5	16.2	14.2	13.3
Max	1.68		28.9	28.5	26.0	28.3	19.0	18.0
Hr. of Max	15		17	17	02	13	15	15
Min	-.27		3.4	5.3	7.9	4.0	10.1	9.4
Count	24	0	24	24	24	17	24	24
Total								