Date Printed: 10/10/2016 09:22

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

Daily Summary Report

Site: Tower "A" (7900 Area)

10/8/2016

Interval: 001h

	01_TempC_015m	02_TempC_030m	03_TempF_015m	04_TempF_030m	05_VT Grad	06_DewPtC_015m	07_DewPtF_015m	08_RH_015m	09_AbsHum_015m
Hour	DEGC	DEGC	DEGC	DEGF	DEGC	DEGC	DEGF	PERCENT	G/M3
00:00	21.3	21.6	70.4	70.9	.3	17.6	63.7	81.3	14.9
01:00	20.4	20.9	68.8	69.5	.4	17.3	63.1	83.9	14.6
02:00	19.7	20.2	67.4	68.4	.6	16.8	62.3	85.4	14.2
03:00	19.9	20.8	67.8	69.4	.9	15.8	60.5	79.0	13.3
04:00	18.7	19.0	65.7	66.3	.3	15.7	60.3	84.4	13.3
05:00	17.6	17.8	63.6	64.0	.2	14.7	58.5	84.9	12.5
06:00	16.7	17.2	62.1	62.9	.4	14.1	57.5	86.2	12.1
07:00	15.8	16.5	60.4	61.7	.8	14.0	57.2	90.6	12.0
08:00	15.8	16.9	60.4	62.4	1.1	13.7	56.6	88.9	11.8
09:00	17.8	18.7	64.0	65.6	.9	13.8	56.9	79.2	11.8
10:00	20.5	20.3	68.9	68.6	-.2	13.5	56.2	65.2	11.5
11:00	21.3	21.1	70.4	70.0	-.2	13.3	55.9	61.3	11.3
12:00	21.5	21.3	70.7	70.3	-.2	13.1	55.6	60.0	11.2
13:00	21.6	21.4	70.9	70.5	-.2	12.9	55.2	58.8	11.0
14:00	21.3	21.1	70.4	70.0	-.2	12.8	55.0	59.2	10.9
15:00	22.3	22.0	72.1	71.6	-.3	12.3	54.1	54.3	10.6
16:00	22.7	22.4	72.8	72.4	-.2	11.3	52.4	49.7	9.9
17:00	22.7	22.5	72.8	72.6	-.1	9.7	49.4	44.6	8.9
18:00	22.0	22.0	71.5	71.5	.0	5.0	41.0	33.9	6.5
19:00	20.3	20.5	68.6	68.8	.1	3.8	38.8	34.2	6.0
20:00	18.9	19.0	65.9	66.3	.2	4.0	39.2	38.1	6.1
21:00	17.7	17.9	63.8	64.3	.3	4.2	39.5	41.5	6.2
22:00	17.0	17.2	62.6	62.9	.2	3.5	38.3	41.2	5.9
23:00	16.7	16.8	62.0	62.2	.1	2.4	36.4	39.0	5.5
Avg	19.6	19.8	67.3	67.6	.2	11.5	52.7	63.5	10.5
Max	22.7	22.5	72.8	72.6	1.1	17.6	63.7	90.6	14.9
Hr. of Max	17	17	17	17	08	00	00	07	00
Min	15.8	16.5	60.4	61.7	-.3	2.4	36.4	33.9	5.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

10/8/2016

Interval: 001h

	10_MixRatio_015m	1_Sat Mix Ratio_015	12_VaporPr_015m	3_Sat Vapor_Pr_015	14_LHV_015m	14a_WetBulbC	15_Precip_mm	16_Precip_In	17_BarPres_In
Hour	COUNT	COUNT	KPa	KPa	None	DEGC	MM	INCHES	INHG
00:00	0.013053	0.016065	20.2	25.40	2440686.4	18.8	.0	.00	29.05
01:00	0.012755	0.015209	19.8	24.06	2442789.8	18.3	.0	.00	29.05
02:00	0.012389	0.014507	19.2	22.94	2444607.1	17.8	.0	.00	29.05
03:00	0.01163	0.014737	18.0	23.30	2444017.7	17.2	.0	.00	29.03
04:00	0.011535	0.013676	17.9	21.63	2446856.0	16.7	.0	.00	29.03
05:00	0.010823	0.012746	16.8	20.15	2449528.4	15.7	.0	.00	29.03
06:00	0.010403	0.012075	16.2	19.10	2451526.0	15.0	.0	.00	29.04
07:00	0.010285	0.011353	16.0	17.96	2453823.4	14.6	.0	.00	29.04
08:00	0.010082	0.011352	15.7	17.95	2453848.7	14.4	.0	.00	29.05
09:00	0.010198	0.01294	15.9	20.47	2449035.2	15.2	.0	.00	29.06
10:00	0.009961	0.015289	15.5	24.21	2442549.2	15.8	.0	.00	29.08
11:00	0.009847	0.016067	15.4	25.44	2440628.7	16.0	.0	.00	29.09
12:00	0.009736	0.016232	15.2	25.70	2440233.7	15.9	.0	.00	29.09
13:00	0.009612	0.016337	15.0	25.87	2439983.2	15.8	.0	.00	29.09
14:00	0.009516	0.016071	14.8	25.45	2440619.2	15.6	.0	.00	29.09
15:00	0.009244	0.017029	14.4	26.97	2438371.6	15.6	.0	.00	29.09
16:00	0.008662	0.017428	13.5	27.61	2437453.0	15.1	.0	.00	29.10
17:00	0.007766	0.017431	12.2	27.63	2437426.0	14.0	.0	.00	29.12
18:00	0.005656	0.016666	8.9	26.44	2439140.6	10.7	.0	.00	29.14
19:00	0.00516	0.015087	8.1	23.96	2442954.9	9.3	.0	.00	29.17
20:00	0.005228	0.013734	8.2	21.83	2446500.7	9.0	.0	.00	29.19
21:00	0.005288	0.012737	8.3	20.25	2449335.6	8.7	.0	.00	29.20
22:00	0.005033	0.012211	7.9	19.42	2450897.1	8.0	.0	.00	29.21
23:00	0.004666	0.011952	7.4	19.02	2451678.1	7.2	.0	.00	29.21
Avg	0.009105	0.014539	14.2	23.03	2444770.4	14.2	.0	.00	29.10
Max	0.013053	0.017431	20.2	27.63	2453848.7	18.8	.0	.00	29.21
Hr. of Max	00	17	00	17	08	00	23	23	23
Min	0.004666	0.011352	7.4	17.95	2437426.0	7.2	.0	.00	29.03
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

10/8/2016

Interval: 001h

	18_BarPres_Mb	21_WDir_015m	22_WDir_030m	23_VWDir_015m	24_VWDir_030m	25_Sigma_015m	26_Sigma_030m	27_RWSpd_015m	28_RWSpd_030m
Hour	KPa	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	983.8	34	41	36	46	30.9	21.3	1.7	3.2
01:00	983.7	25	34	10	26	52.7	24.7	.7	1.3
02:00	983.7	154	12	154	10	52.9	33.4	.3	1.1
03:00	983.2	11	49	20	41	49.0	39.7	.5	1.4
04:00	983.0	248	250	251	248	49.8	22.9	1.0	1.9
05:00	983.0	251	251	246	254	53.5	21.5	1.1	2.1
06:00	983.4	266	245	257	246	56.9	24.9	.6	1.6
07:00	983.5	271	258	281	259	73.1	40.8	.5	1.8
08:00	983.6	322	120	330	146	61.4	66.4	.2	.2
09:00	984.0	22	33	26	40	43.5	22.2	2.2	3.7
10:00	984.8	33	40	34	43	28.8	23.4	6.1	7.9
11:00	985.1	11	12	10	12	29.6	25.4	6.5	8.0
12:00	985.2	7	11	7	11	29.6	27.8	6.1	7.5
13:00	985.2	14	16	12	15	26.4	23.9	7.9	9.0
14:00	985.1	24	28	23	29	29.2	24.7	6.4	7.7
15:00	985.0	21	27	22	27	31.7	27.4	6.7	8.4
16:00	985.4	19	23	21	24	28.1	24.0	7.5	9.4
17:00	986.0	25	30	24	30	26.1	23.7	6.9	8.5
18:00	986.9	21	26	19	25	30.3	24.8	5.0	6.9
19:00	987.7	32	34	30	33	27.3	20.5	4.8	6.7
20:00	988.4	36	36	35	36	23.1	20.0	3.9	5.6
21:00	988.9	45	42	43	40	20.4	15.7	3.8	5.7
22:00	989.1	43	41	42	40	25.4	19.2	4.7	6.5
23:00	989.2	33	39	34	40	25.2	20.5	6.5	9.1
Avg	985.3	13	24	17	17	37.7	26.6	1.5	1.5
Max	989.2	322	258	330	259	73.1	66.4	7.9	9.4
Hr. of Max	23	08	07	08	07	07	08	13	16
Min	983.0	7	11	7	10	20.4	15.7	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

10/8/2016

Interval: 001h

	29_WSpd_015m	30_WSpd_030m	31_WSpdms_015m	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	2.3	3.9	1.0	1.7	-2.1	-.2	-.1	.0	-.06
01:00	1.2	1.7	.5	.8	-1.3	2.8	.0	.1	-.01
02:00	1.0	1.7	.5	.8	-2.8	3.9	-.1	.1	-.03
03:00	1.0	1.9	.5	.8	.5	4.4	.0	.1	.00
04:00	1.2	2.1	.6	.9	-2.4	2.3	-.1	.0	-.03
05:00	1.3	2.2	.6	1.0	-1.1	1.1	-.1	.0	-.03
06:00	.9	1.7	.4	.8	-1.0	2.7	.0	.1	-.01
07:00	1.0	2.0	.4	.9	-2.2	2.2	.0	.0	-.02
08:00	1.2	1.3	.5	.6	.2	3.7	.0	.1	.00
09:00	2.6	3.9	1.2	1.7	-2.1	-1.3	-.2	-.2	-.07
10:00	6.8	8.5	3.0	3.8	-1.3	-.9	-.5	-.5	-.20
11:00	7.3	8.9	3.3	4.0	.4	-.1	-.3	-.5	-.15
12:00	6.9	8.4	3.1	3.8	-1.1	-1.3	-.5	-.5	-.21
13:00	8.7	9.8	3.9	4.4	-3.1	-4.2	-.8	-1.1	-.37
14:00	7.1	8.4	3.2	3.8	-.4	-1.3	-.4	-.5	-.19
15:00	7.6	9.3	3.4	4.2	-.1	-.9	-.5	-.6	-.24
16:00	8.5	10.6	3.8	4.7	-.9	-2.0	-.6	-.8	-.25
17:00	7.7	9.4	3.4	4.2	-1.8	-2.2	-.7	-.7	-.30
18:00	5.8	7.6	2.6	3.4	-.9	-1.8	-.4	-.6	-.17
19:00	5.3	7.1	2.4	3.2	-2.3	-4.3	-.4	-.8	-.20
20:00	4.3	5.9	1.9	2.7	-.8	-3.4	-.2	-.5	-.11
21:00	4.2	6.0	1.9	2.7	-2.5	-2.9	-.3	-.5	-.15
22:00	5.2	6.9	2.3	3.1	-3.0	-2.8	-.5	-.6	-.21
23:00	7.1	9.6	3.2	4.3	-.9	-1.5	-.4	-.6	-.20
Avg	4.4	5.8	2.0	2.6	-1.4	-.3	-.3	-.4	-.13
Max	8.7	10.6	3.9	4.7	.5	4.4	.0	.1	.00
Hr. of Max	13	16	13	16	03	03	08	08	08
Min	.9	1.3	.4	.6	-3.1	-4.3	-.8	-1.1	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

10/8/2016

Interval: 001h

	38_VSSpdms_030m	40_PkWsQ_015m	42_PkWsH_015m	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	-.01		5.2	7.3	10.8	6.9	23.4	22.9
01:00	.03		3.8	4.1	12.9	12.3	22.5	22.1
02:00	.03		3.6	5.5	12.9	12.7	21.7	21.4
03:00	.06		2.4	4.3	12.1	12.8	21.8	21.7
04:00	.02		4.4	4.9	11.1	8.9	20.6	20.1
05:00	.00		3.8	4.8	14.3	9.3	19.4	18.8
06:00	.04		3.3	5.1	11.8	9.4	18.5	18.2
07:00	.02		3.4	4.9	11.3	9.9	17.6	17.5
08:00	.04		3.8	3.8	16.2	23.0	17.6	17.9
09:00	-.08		10.9	13.8	14.4	12.7	19.6	19.7
10:00	-.23		17.9	19.3	18.5	17.0	22.2	21.3
11:00	-.21		22.1	22.9	20.4	19.2	23.0	22.0
12:00	-.22		20.2	21.2	19.7	19.3	23.1	22.1
13:00	-.48		24.9	25.5	17.6	16.8	23.1	22.2
14:00	-.22		23.4	24.7	21.3	18.4	22.9	21.9
15:00	-.27		24.5	28.3	21.2	18.9	23.8	22.8
16:00	-.36		22.0	25.6	19.3	17.8	24.1	23.1
17:00	-.33		18.9	19.9	18.5	16.5	24.0	23.1
18:00	-.26		16.6	19.1	20.0	18.0	22.9	22.1
19:00	-.35		18.3	19.1	18.4	15.1	21.2	20.5
20:00	-.22		13.5	13.9	18.0	14.4	19.8	19.2
21:00	-.20		12.2	16.0	15.8	12.3	18.7	18.1
22:00	-.25		13.0	16.6	17.5	15.5	18.0	17.3
23:00	-.26		21.6	24.5	18.7	16.7	17.6	16.9
Avg	-.15		13.1	14.8	16.4	14.7	21.1	20.5
Max	.06		24.9	28.3	21.3	23.0	24.1	23.1
Hr. of Max	03		13	15	14	08	16	16
Min	-.48		2.4	3.8	10.8	6.9	17.6	16.9
Count	24	0	24	24	24	24	24	24
Total								