Date Printed: 05/01/2017 06:55

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

Daily Summary Report

Site: Tower "A" (7900 Area)

4/29/2017

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	DEGF	DEGF	DEGC	DEGC	DEGF	PERCENT	G/M3
00:00	24.5	24.6	76.1	76.2	.1	18.0	64.5	68.9	15.1
01:00	24.1	24.3	75.5	75.7	.1	18.3	64.9	71.4	15.4
02:00	23.0	23.5	73.4	74.3	.5	18.3	64.9	76.4	15.4
03:00	21.1	22.2	69.9	71.9	1.1	18.6	65.5	87.7	15.8
04:00	19.8	21.2	67.7	70.1	1.4	18.6	65.4	94.6	15.9
05:00	19.3	20.1	66.8	68.2	.8	18.4	65.0	96.2	15.7
06:00	19.0	19.5	66.2	67.0	.5	18.5	65.3	99.1	15.8
07:00	18.8	19.6	65.8	67.3	.8	18.1	64.6	97.9	15.5
08:00	21.5	22.2	70.7	72.0	.8	17.7	63.8	80.9	14.9
09:00	24.5	24.4	76.2	76.0	-.1	18.0	64.4	68.7	15.1
10:00	26.2	26.0	79.1	78.8	-.2	18.5	65.3	64.4	15.5
11:00	27.6	27.3	81.7	81.2	-.3	18.1	64.6	57.8	15.1
12:00	29.0	28.7	84.2	83.7	-.3	17.2	63.0	50.4	14.2
13:00	29.7	29.4	85.4	84.9	-.3	17.6	63.7	49.7	14.5
14:00	30.4	30.1	86.8	86.3	-.3	17.7	63.8	47.9	14.6
15:00	30.9	30.5	87.6	87.0	-.4	17.7	63.8	46.6	14.6
16:00	30.8	30.6	87.5	87.0	-.3	16.5	61.8	43.6	13.6
17:00	30.6	30.4	87.1	86.7	-.3	16.4	61.5	43.6	13.5
18:00	30.5	30.3	86.9	86.6	-.2	16.3	61.4	43.7	13.4
19:00	28.2	28.2	82.8	82.8	.0	17.8	64.0	54.7	14.8
20:00	26.3	26.4	79.3	79.6	.2	18.3	65.0	63.3	15.4
21:00	25.5	25.7	77.9	78.2	.2	18.2	64.7	65.6	15.2
22:00	24.5	25.1	76.1	77.2	.6	18.3	64.9	69.9	15.3
23:00	24.5	25.2	76.2	77.4	.7	18.4	65.2	70.5	15.5
Avg	25.4	25.6	77.8	78.2	.2	17.9	64.2	67.2	15.0
Max	30.9	30.6	87.6	87.0	1.4	18.6	65.5	99.1	15.9
Hr. of Max	15	16	15	16	04	04	03	06	04
Min	18.8	19.5	65.8	67.0	-.4	16.3	61.4	43.6	13.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

4/29/2017

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	0.013421	0.019475	20.8	30.85	2433078.5	20.2	.0	.00	29.09
01:00	0.013615	0.019077	21.1	30.19	2433934.1	20.2	.0	.00	29.08
02:00	0.013601	0.017835	21.1	28.24	2436610.2	19.8	.0	.00	29.08
03:00	0.01387	0.015817	21.5	25.06	2441218.6	19.4	.0	.00	29.10
04:00	0.013823	0.014613	21.4	23.17	2444228.8	19.0	.0	.00	29.12
05:00	0.013642	0.014182	21.2	22.48	2445375.1	18.7	.0	.00	29.13
06:00	0.013753	0.013875	21.3	22.02	2446170.8	18.7	.0	.00	29.14
07:00	0.013405	0.013694	20.8	21.75	2446640.2	18.3	.0	.00	29.15
08:00	0.013057	0.016197	20.3	25.71	2440280.4	18.9	.0	.00	29.16
09:00	0.013371	0.019485	20.8	30.95	2432987.0	20.2	.0	.00	29.17
10:00	0.013798	0.02142	21.4	34.05	2429152.0	21.1	.0	.00	29.18
11:00	0.013468	0.023323	20.9	37.06	2425739.3	21.3	.0	.00	29.19
12:00	0.012754	0.025325	19.8	40.22	2422393.1	21.1	.0	.00	29.17
13:00	0.013078	0.026301	20.3	41.75	2420847.9	21.6	.0	.00	29.16
14:00	0.013164	0.02749	20.5	43.61	2419051.3	21.9	.0	.00	29.15
15:00	0.013159	0.028238	20.4	44.80	2417936.4	22.1	.0	.00	29.14
16:00	0.012275	0.02818	19.1	44.67	2418059.4	21.3	.0	.00	29.12
17:00	0.012138	0.027863	18.9	44.13	2418563.1	21.1	.0	.00	29.10
18:00	0.012094	0.027687	18.8	43.85	2418825.3	21.0	.0	.00	29.09
19:00	0.013254	0.024325	20.5	38.52	2424235.3	21.3	.0	.00	29.08
20:00	0.013693	0.021639	21.2	34.29	2428865.7	21.0	.0	.00	29.09
21:00	0.013531	0.020622	21.0	32.70	2430770.9	20.6	.0	.00	29.11
22:00	0.013594	0.019491	21.1	30.90	2433057.7	20.3	.0	.00	29.12
23:00	0.013742	0.019511	21.3	30.93	2432993.7	20.5	.0	.00	29.12
Avg	0.013304	0.021069	20.6	33.41	2430875.6	20.4	.0	.00	29.13
Max	0.01387	0.028238	21.5	44.80	2446640.2	22.1	.0	.00	29.19
Hr. of Max	03	15	03	15	07	15	23	23	11
Min	0.012094	0.013694	18.8	21.75	2417936.4	18.3	.0	.00	29.08
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

4/29/2017

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	984.9	229	226	228	226	23.1	16.2	6.4	9.1
01:00	984.6	232	230	229	227	26.3	17.9	6.1	8.9
02:00	984.7	263	267	260	262	36.2	22.1	1.8	3.4
03:00	985.5	312	274	321	272	47.1	38.9	.4	.8
04:00	985.9	300	250	308	251	62.0	36.5	.3	.9
05:00	986.3	137	40	76	63	77.8	67.8	.0	.1
06:00	986.9	92	112	96	109	50.7	28.7	.6	.9
07:00	987.2	299	227	301	239	71.3	55.6	.2	.5
08:00	987.4	258	245	255	244	49.1	18.8	1.0	3.3
09:00	987.7	234	242	235	242	32.2	24.2	3.6	5.0
10:00	988.1	214	223	214	223	26.3	22.9	5.9	7.6
11:00	988.3	218	225	217	225	27.8	21.1	6.5	8.5
12:00	987.8	223	232	224	232	29.0	22.2	8.4	11.3
13:00	987.3	212	219	210	219	29.9	25.5	7.7	9.9
14:00	987.0	218	225	217	224	32.9	26.9	8.2	10.5
15:00	986.7	220	226	219	226	29.5	25.2	7.4	9.4
16:00	986.0	229	231	227	230	29.9	22.7	7.2	9.9
17:00	985.3	228	232	228	233	29.4	22.3	6.1	8.4
18:00	985.1	224	228	223	228	25.5	19.0	5.5	7.5
19:00	984.9	231	236	231	236	26.4	18.6	4.1	5.8
20:00	985.0	281	262	280	263	31.2	17.7	2.2	4.4
21:00	985.9	283	270	285	270	21.2	10.2	2.6	4.8
22:00	985.9	269	266	269	264	38.9	22.0	1.6	3.4
23:00	986.2	235	235	236	234	37.1	20.7	2.2	4.3
Avg	986.3	240	238	230	230	37.1	26.0	3.2	3.2
Max	988.3	312	274	321	272	77.8	67.8	8.4	11.3
Hr. of Max	11	03	03	03	03	05	05	12	12
Min	984.6	92	40	76	63	21.2	10.2	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "A" (7900 Area)

4/29/2017

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	6.8	9.4	3.1	4.2	-1.5	-1.9	-.4	-.5	-.18
01:00	6.7	9.3	3.0	4.2	.1	-.5	-.3	-.3	-.12
02:00	2.4	3.8	1.1	1.7	-.2	.8	-.1	-.1	-.03
03:00	1.3	1.6	.6	.7	-.2	4.7	.0	.1	.00
04:00	1.2	1.2	.5	.5	-1.8	3.0	.0	.1	-.01
05:00	1.0	1.1	.4	.5	-1.1	5.9	.0	.1	-.01
06:00	.9	1.3	.4	.6	-3.4	3.1	-.1	.1	-.03
07:00	.7	1.0	.3	.5	-1.1	3.3	.0	.1	-.01
08:00	1.4	3.5	.6	1.6	-2.4	.2	-.1	-.1	-.03
09:00	4.1	5.4	1.8	2.4	-1.6	1.8	-.3	.0	-.14
10:00	6.4	8.1	2.9	3.6	.3	1.3	-.2	.0	-.07
11:00	7.2	9.0	3.2	4.0	1.3	.6	-.1	-.1	-.03
12:00	9.4	12.1	4.2	5.4	1.1	1.3	-.2	-.1	-.11
13:00	8.8	10.9	3.9	4.9	1.2	2.8	.0	.2	.00
14:00	9.4	11.6	4.2	5.2	-.4	1.1	-.3	-.1	-.16
15:00	8.3	10.2	3.7	4.6	.3	2.0	-.2	.1	-.08
16:00	8.1	10.7	3.6	4.8	.7	2.1	-.2	.0	-.10
17:00	6.9	9.1	3.1	4.1	.2	.5	-.3	-.2	-.13
18:00	6.0	7.9	2.7	3.5	.3	.5	-.2	-.1	-.07
19:00	4.5	6.2	2.0	2.8	-2.4	.2	-.3	-.1	-.15
20:00	2.6	4.6	1.2	2.1	-6.4	-2.9	-.4	-.3	-.17
21:00	2.7	4.9	1.2	2.2	-4.9	-3.5	-.3	-.3	-.15
22:00	2.1	3.7	.9	1.6	-.1	3.4	-.1	.1	-.03
23:00	2.6	4.6	1.2	2.0	-.7	-1.3	.0	-.1	-.02
Avg	4.6	6.3	2.1	2.8	-.9	1.2	-.2	-.1	-.08
Max	9.4	12.1	4.2	5.4	1.3	5.9	.0	.2	.00
Hr. of Max	14	12	14	12	11	05	23	13	13
Min	.7	1.0	.3	.5	-6.4	-3.5	-.4	-.5	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Site: Tower "A" (7900 Area)

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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	-.22		17.1	19.3	17.7	13.2	26.4	25.7
01:00	-.13		18.7	19.9	17.4	14.0	26.1	25.5
02:00	-.05		12.1	14.1	16.3	13.0	25.0	24.7
03:00	.06		2.8	3.6	10.4	9.8	23.2	23.5
04:00	.04		4.3	3.6	10.4	13.0	22.0	22.5
05:00	.06		3.5	3.6	16.1	21.3	21.4	21.4
06:00	.03		3.0	3.0	12.8	11.2	21.1	20.8
07:00	.03		2.9	8.4	15.5	19.6	20.9	21.0
08:00	-.02		5.2	9.3	21.6	12.3	23.6	23.5
09:00	.00		11.3	13.5	22.9	18.8	26.5	25.5
10:00	-.01		15.4	15.9	18.8	17.1	27.9	27.0
11:00	-.05		18.5	20.1	19.7	15.3	29.1	28.1
12:00	-.04		25.9	28.3	19.7	16.6	30.2	29.3
13:00	.10		21.7	24.8	18.6	17.4	30.9	30.0
14:00	-.04		22.9	25.9	19.0	16.3	31.7	30.8
15:00	.04		19.0	22.7	19.5	16.9	32.1	31.1
16:00	.01		21.7	26.6	20.2	17.6	32.0	31.1
17:00	-.09		18.2	20.8	19.8	16.8	31.9	31.0
18:00	-.05		19.1	20.6	18.2	15.4	31.8	31.0
19:00	-.03		15.7	18.5	17.4	13.3	29.9	29.1
20:00	-.13		7.2	10.6	17.6	9.9	28.1	27.5
21:00	-.15		6.0	8.6	15.4	7.1	27.3	26.8
22:00	.05		7.3	10.0	16.8	14.6	26.4	26.3
23:00	-.07		7.7	10.7	17.8	13.0	26.5	26.4
Avg	-.03		12.8	15.1	17.5	14.7	27.2	26.7
Max	.10		25.9	28.3	22.9	21.3	32.1	31.1
Hr. of Max	13		12	12	09	05	15	16
Min	-.22		2.8	3.0	10.4	7.1	20.9	20.8
Count	24	0	24	24	24	24	24	24
Total								