Date Printed: 09/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	19.6	19.5	19.4	19.3	-.11	-.25	-.30	-.14	-.18
01:00	19.5	19.5	19.4	19.3	-.06	-.16	-.20	-.10	-.14
02:00	19.3	19.4	19.4	19.4	.10	.10	.09	.00	-.01
03:00	18.8	19.0	19.0	19.1	.14	.18	.29	.04	.15
04:00	18.4	18.6	18.8	19.0	.25	.45	.60	.20	.35
05:00	18.7	18.7	18.8	18.9	-.01	.04	.13	.05	.13
06:00	18.7	18.6	18.5	18.6	-.11	-.19	-.09	-.07	.02
07:00	18.8	18.7	18.6	18.6	-.14	-.24	-.19	-.10	-.06
08:00	19.4	19.1	18.9	18.9	-.29	-.53	-.51	-.24	-.22
09:00	19.9	19.5	19.2	19.2	-.34	-.67	-.64	-.33	-.29
10:00	20.9	20.5	20.0	20.0	-.40	-.93	-.84	-.52	-.44
11:00	22.5	22.0	21.6	21.3	-.49	-.90	-1.17	-.40	-.68
12:00	24.8	23.9	23.6	23.4	-.87	-1.17	-1.35	-.30	-.48
13:00	26.9	25.7	25.3	25.1	-1.18	-1.59	-1.77	-.41	-.59
14:00	27.9	27.0	26.7	26.6	-.89	-1.23	-1.37	-.35	-.48
15:00	28.9	28.1	27.7	27.5	-.85	-1.25	-1.43	-.40	-.58
16:00	29.5	28.7	28.4	28.2	-.73	-1.10	-1.30	-.38	-.58
17:00	29.6	29.0	28.7	28.6	-.57	-.89	-1.03	-.32	-.46
18:00	27.6	28.1	28.1	28.0	.48	.44	.43	-.04	-.05
19:00	23.6	25.9	26.7	26.9	2.33	3.14	3.36	.81	1.03
20:00	21.5	24.0	24.9	25.3	2.48	3.40	3.80	.91	1.32
21:00	20.1	22.1	23.2	24.0	2.03	3.04	3.85	1.01	1.82
22:00	19.0	20.9	21.4	22.9	1.92	2.41	3.95	.49	2.03
23:00	18.3	19.9	20.4	21.9	1.66	2.15	3.61	.49	1.96
Avg	22.2	22.4	22.4	22.5	.18	.18	.33	.00	.15
Max	29.6	29.0	28.7	28.6	2.48	3.40	3.95	1.01	2.03
Hr. of Max	17	17	17	17	20	20	22	21	22
Min	18.3	18.6	18.5	18.6	-1.18	-1.59	-1.77	-.52	-.68
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	18.8	19.0	19.1	24.8	97.0	99.2	16.1	16.3	0.014028
01:00	18.7	19.0	19.0	24.7	97.0	99.2	16.0	16.3	0.013939
02:00	18.5	18.8	18.7	24.6	97.1	98.8	15.8	16.1	0.01374
03:00	18.0	18.5	18.3	24.5	97.0	99.1	15.4	15.8	0.013354
04:00	17.6	18.2	17.9	24.4	97.1	99.4	15.0	15.6	0.012991
05:00	17.9	18.3	18.2	24.3	97.1	99.4	15.3	15.6	0.013278
06:00	17.9	18.2	18.2	24.2	97.1	99.5	15.3	15.5	0.013254
07:00	18.0	18.3	18.3	24.2	97.1	99.5	15.4	15.6	0.013348
08:00	18.6	18.7	18.9	24.1	97.0	99.4	15.9	16.0	0.013819
09:00	18.6	18.6	19.0	24.1	94.4	96.7	15.9	15.9	0.013822
10:00	19.0	18.8	19.7	24.1	91.3	92.3	16.3	16.1	0.014246
11:00	19.0	18.5	20.1	24.2	82.6	82.5	16.1	15.7	0.014196
12:00	19.2	18.5	21.0	24.3	72.9	73.9	16.2	15.7	0.014384
13:00	18.6	18.2	21.4	24.7	62.3	64.8	15.6	15.2	0.013946
14:00	18.2	18.1	21.5	25.2	57.2	59.6	15.2	15.1	0.013628
15:00	18.1	17.9	21.7	25.6	53.7	55.4	15.1	14.8	0.013553
16:00	17.0	16.7	21.1	25.9	48.4	49.4	14.0	13.8	0.012607
17:00	16.1	15.8	20.6	26.1	45.4	46.0	13.3	13.0	0.011929
18:00	16.7	16.0	20.3	26.2	53.1	49.2	13.8	13.2	0.01236
19:00	17.8	16.3	19.7	26.2	71.8	57.1	14.9	13.6	0.013189
20:00	17.9	17.0	19.1	26.2	81.8	66.4	15.1	14.2	0.013257
21:00	17.7	17.3	18.5	26.0	87.8	75.9	15.0	14.6	0.013063
22:00	17.2	17.5	17.8	25.8	91.2	82.6	14.6	14.8	0.01263
23:00	16.8	17.3	17.3	25.6	92.9	86.7	14.3	14.7	0.012313
Avg	18.0	17.9	19.4	25.0	81.7	80.5	15.2	15.1	0.01337
Max	19.2	19.0	21.7	26.2	97.1	99.5	16.3	16.3	0.014384
Hr. of Max	12	01	15	20	07	07	10	01	12
Min	16.1	15.8	17.3	24.1	45.4	46.0	13.3	13.0	0.011929
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.01425	21.7	22.1	.00	29.10	985.5	-2.2	.00	3.1
01:00	0.014206	21.6	22.0	.00	29.09	985.1	-2.4	.00	40.7
02:00	0.014057	21.3	21.8	.00	29.09	985.1	-2.1	.00	325.4
03:00	0.013758	20.7	21.3	.00	29.08	984.8	-2.0	.00	264.9
04:00	0.013522	20.1	21.0	.00	29.08	984.8	-2.3	.00	274.3
05:00	0.013589	20.6	21.1	.00	29.09	985.1	-1.9	.00	304.5
06:00	0.01348	20.6	20.9	.00	29.11	985.7	-2.1	.00	339.2
07:00	0.013562	20.7	21.0	.00	29.13	986.4	5.0	.01	348.5
08:00	0.013902	21.4	21.6	.00	29.14	986.8	99.9	.14	340.2
09:00	0.013856	21.5	21.5	.00	29.14	986.9	170.7	.24	231.9
10:00	0.014035	22.1	21.8	.00	29.15	987.2	252.5	.36	203.5
11:00	0.013755	22.0	21.4	.00	29.15	987.2	502.0	.72	171.1
12:00	0.013832	22.3	21.5	.00	29.14	987.0	714.8	1.02	128.5
13:00	0.013523	21.6	21.0	.00	29.13	986.6	883.4	1.27	103.5
14:00	0.01348	21.1	20.9	.00	29.11	985.9	678.6	.97	73.7
15:00	0.013307	21.0	20.6	.00	29.10	985.3	577.9	.83	67.4
16:00	0.012353	19.6	19.2	.00	29.08	985.0	511.4	.73	64.7
17:00	0.011686	18.5	18.2	.00	29.08	984.9	296.6	.43	43.5
18:00	0.011839	19.2	18.4	.00	29.10	985.3	128.5	.18	40.9
19:00	0.012051	20.5	18.7	.00	29.11	985.7	14.2	.02	12.7
20:00	0.012517	20.6	19.5	.00	29.12	986.0	-2.5	.00	355.2
21:00	0.012791	20.3	19.9	.00	29.13	986.6	-1.6	.00	22.5
22:00	0.01288	19.6	20.0	.00	29.14	986.9	-1.9	.00	13.5
23:00	0.012748	19.2	19.8	.00	29.16	987.4	-2.3	.00	358.7
Avg	0.013291	20.7	20.6	.00	29.11	986.0	200.5	.29	11.0
Max	0.01425	22.3	22.1	.00	29.16	987.4	883.4	1.27	358.7
Hr. of Max	00	12	00	23	23	23	13	13	23
Min	0.011686	18.5	18.2	.00	29.08	984.8	-2.5	.00	3.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	12.2	18.1	2.6	2.9	28.8	19.0	15.1	1.7	3.0
01:00	42.7	44.7	46.6	31.3	26.4	12.3	8.4	1.8	3.7
02:00	359.7	11.9	308.3	352.7	42.5	36.9	35.5	.4	1.0
03:00	256.4	157.2	261.0	216.8	33.9	36.1	48.9	.7	.7
04:00	258.9	250.4	275.8	258.7	29.3	19.9	28.2	1.4	2.1
05:00	355.1	27.4	314.6	4.3	28.8	17.2	22.1	.6	1.1
06:00	8.3	53.0	328.8	28.1	25.9	30.0	26.7	.5	1.1
07:00	353.9	17.2	356.4	343.2	21.1	17.7	30.8	.8	1.2
08:00	4.0	25.7	336.0	5.7	31.1	30.7	37.1	.6	1.2
09:00	248.1	224.4	241.2	247.4	35.8	36.6	45.1	1.1	1.1
10:00	206.5	168.3	217.0	179.5	51.2	37.1	46.9	.6	.5
11:00	179.6	166.6	185.4	167.7	51.6	49.5	38.2	1.2	1.1
12:00	131.8	124.9	130.0	115.2	50.6	48.4	38.9	1.8	1.8
13:00	100.7	93.3	104.9	80.6	50.2	47.6	46.9	3.0	3.2
14:00	66.9	64.0	76.3	51.3	52.8	42.3	36.3	2.9	3.7
15:00	67.5	68.9	68.8	56.3	42.4	33.7	28.6	3.2	4.2
16:00	60.3	57.5	66.8	45.4	34.4	25.3	17.5	3.9	5.8
17:00	39.0	39.0	44.0	26.6	39.5	28.2	25.1	3.4	5.5
18:00	41.7	43.2	42.8	29.8	31.0	16.7	11.7	2.8	6.1
19:00	23.5	30.1	15.7	15.5	26.8	8.6	7.0	1.5	5.8
20:00	24.6	32.5	3.6	16.4	31.8	32.9	18.6	.6	3.6
21:00	42.1	26.7	32.7	11.7	44.1	29.1	21.1	.7	1.7
22:00	57.7	53.2	17.7	38.7	33.8	16.9	11.2	.7	1.3
23:00	69.7	54.4	355.7	40.0	28.9	11.8	13.5	.3	1.1
Avg	35.0	54.0	10.0	27.0	36.4	28.5	27.5	.0	.0
Max	359.7	250.4	356.4	352.7	52.8	49.5	48.9	3.9	6.1
Hr. of Max	02	04	07	02	14	11	03	16	18
Min	4.0	11.9	2.6	2.9	21.1	8.6	7.0	.3	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	3.7	1.9	3.3	3.9	2.2	4.2	-4.0	-.6	-.25
01:00	4.9	1.9	3.9	5.0	2.1	5.3	-3.0	-1.2	-.23
02:00	1.9	1.1	1.8	2.4	1.4	2.7	-.7	-2.0	-.04
03:00	.2	.9	.7	.3	1.2	.8	.4	-4.6	-.01
04:00	1.6	1.6	2.4	1.9	1.8	2.1	.6	.8	-.01
05:00	.8	.6	1.4	1.4	.9	1.7	2.8	-.7	.02
06:00	1.1	.7	1.3	1.2	1.0	1.5	-2.0	-2.9	-.07
07:00	1.0	.9	1.3	1.1	1.1	1.5	-.1	-5.0	-.04
08:00	1.5	1.2	1.8	2.0	1.6	2.3	-2.3	-1.0	-.12
09:00	.8	1.6	1.7	1.4	2.1	1.9	-5.1	-10.4	-.19
10:00	.5	1.5	1.5	1.4	1.9	1.9	.2	-3.1	-.01
11:00	1.1	1.7	1.5	1.5	2.3	2.2	-6.3	-23.4	-.22
12:00	2.1	3.0	3.1	3.2	3.5	3.7	.8	-.3	.05
13:00	3.4	3.8	4.0	4.1	4.5	4.8	.7	6.4	.08
14:00	4.2	3.9	4.5	4.9	4.5	5.6	-3.8	-6.6	-.33
15:00	4.9	4.0	5.0	5.7	4.6	6.3	1.9	1.6	-.04
16:00	7.5	4.4	6.4	7.9	5.0	8.3	1.2	.3	-.06
17:00	6.7	4.0	5.9	7.2	4.4	7.8	-1.7	1.7	-.41
18:00	7.7	3.1	6.4	7.8	3.4	8.2	-1.1	.7	-.28
19:00	7.9	1.7	5.9	7.9	2.1	8.3	-3.7	.7	-.23
20:00	5.5	.8	3.8	5.6	1.0	5.9	1.8	3.0	.03
21:00	4.0	1.0	2.1	4.2	1.2	4.4	2.0	3.1	.03
22:00	2.7	.9	1.4	2.8	1.1	3.0	.8	1.4	.01
23:00	2.4	.4	1.2	2.5	.7	2.7	1.7	1.2	.03
Avg	.0	1.9	3.0	3.6	2.3	4.0	-.8	-1.7	-.10
Max	7.9	4.4	6.4	7.9	5.0	8.3	2.8	6.4	.08
Hr. of Max	19	16	18	19	16	19	05	13	13
Min	.2	.4	.7	.3	.7	.8	-6.3	-23.4	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.08	5.3	6.6	7.3	19.7	8.2	21.0	20.4
01:00	-.15	6.9	9.6	10.3	19.7	6.5	20.9	20.4
02:00	-.10	4.4	8.9	10.1	14.3	9.8	20.8	20.4
03:00	-.06	2.1	2.1	2.7	9.0	13.4	20.4	20.1
04:00	.02	5.7	6.6	5.5	8.4	6.3	20.0	20.0
05:00	-.03	8.2	6.9	7.3	14.0	11.2	20.1	19.9
06:00	-.08	2.7	3.0	2.7	17.2	11.0	20.0	19.6
07:00	-.12	3.0	3.4	3.2	17.2	17.0	20.1	19.6
08:00	-.08	3.7	4.8	4.8	24.8	14.5	20.7	20.0
09:00	-.38	4.6	4.6	4.4	25.8	29.3	20.9	20.3
10:00	-.12	4.1	3.9	3.4	26.2	28.0	21.9	21.2
11:00	-1.06	6.0	5.7	5.0	31.1	30.3	23.3	22.6
12:00	.00	9.2	9.2	9.8	24.7	28.2	25.2	24.5
13:00	.41	10.5	10.3	13.1	23.3	28.8	27.0	26.1
14:00	-.67	11.7	11.4	11.9	24.4	23.3	28.2	27.4
15:00	.01	11.0	12.6	12.6	23.7	19.9	29.3	28.3
16:00	-.03	13.1	15.6	15.3	21.3	11.2	29.8	28.8
17:00	-.05	13.1	14.0	13.7	23.9	15.4	30.0	29.1
18:00	-.01	13.1	23.8	22.4	22.4	9.8	29.0	28.6
19:00	.06	6.0	12.8	15.8	18.2	5.8	26.8	27.5
20:00	.27	3.9	10.5	18.1	18.3	9.6	25.0	26.0
21:00	.27	2.7	6.2	8.9	11.9	8.1	23.2	24.8
22:00	.07	2.3	3.0	3.7	8.1	5.1	22.0	23.8
23:00	.06	2.3	2.7	5.5	9.1	5.4	21.1	22.8
Avg	-.08	6.5	8.3	9.1	19.0	14.8	23.6	23.4
Max	.41	13.1	23.8	22.4	31.1	30.3	30.0	29.1
Hr. of Max	13	18	18	18	11	11	17	17
Min	-1.06	2.1	2.1	2.7	8.1	5.1	20.0	19.6
Count	24	24	24	24	24	24	24	24
Total								