Date Printed: 09/19/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

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	24.8	25.8	25.9	26.1	1.00	1.11	1.34	.10	.33
01:00	24.0	25.0	25.5	25.7	1.05	1.50	1.74	.45	.69
02:00	23.6	24.4	24.8	25.0	.78	1.12	1.38	.34	.60
03:00	22.9	23.8	24.1	24.4	.95	1.25	1.52	.30	.57
04:00	22.5	23.2	23.8	24.5	.78	1.32	2.02	.54	1.24
05:00	22.6	23.3	23.5	24.2	.75	.96	1.65	.21	.90
06:00	22.3	23.1	23.3	23.6	.78	.96	1.32	.18	.54
07:00	22.1	22.5	22.9	23.3	.38	.78	1.17	.39	.79
08:00	23.1	23.2	23.4	23.7	.13	.32	.59	.19	.46
09:00	24.8	24.4	24.2	24.1	-.42	-.64	-.68	-.22	-.27
10:00	24.2	23.9	23.7	23.7	-.26	-.44	-.47	-.18	-.20
11:00	21.9	21.6	21.5	21.4	-.28	-.43	-.46	-.15	-.18
12:00	22.7	22.4	22.2	22.1	-.32	-.52	-.57	-.19	-.25
13:00	22.6	22.3	22.1	22.1	-.25	-.45	-.50	-.19	-.25
14:00	20.7	20.5	20.3	20.3	-.22	-.36	-.40	-.15	-.18
15:00	20.2	20.0	19.9	19.9	-.16	-.28	-.32	-.13	-.16
16:00	20.0	19.9	19.7	19.7	-.13	-.25	-.28	-.12	-.15
17:00	20.1	19.9	19.9	19.8	-.12	-.21	-.23	-.09	-.10
18:00	20.0	19.9	19.7	19.7	-.15	-.27	-.30	-.12	-.14
19:00	19.9	19.8	19.7	19.7	-.11	-.18	-.20	-.07	-.09
20:00	19.6	19.6	19.5	19.6	-.08	-.13	.00	-.05	.08
21:00	19.7	19.7	19.6	19.6	-.04	-.11	-.10	-.08	-.06
22:00	19.8	19.8	19.6	19.6	-.08	-.22	-.26	-.14	-.18
23:00	19.6	19.5	19.4	19.4	-.11	-.21	-.25	-.11	-.14
Avg	21.8	22.0	22.0	22.1	.16	.19	.32	.03	.16
Max	24.8	25.8	25.9	26.1	1.05	1.50	2.02	.54	1.24
Hr. of Max	09	00	00	00	01	01	04	04	04
Min	19.6	19.5	19.4	19.4	-.42	-.64	-.68	-.22	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

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	17.3	16.2	19.8	27.4	64.5	56.8	14.4	13.5	0.012742
01:00	17.4	16.3	19.6	27.2	68.2	59.9	14.6	13.6	0.012848
02:00	17.5	16.8	19.5	27.1	69.9	63.9	14.6	14.0	0.012913
03:00	17.4	17.0	19.2	27.0	72.8	67.4	14.6	14.2	0.012826
04:00	17.4	17.1	19.1	26.8	74.9	70.1	14.7	14.4	0.012891
05:00	17.5	17.0	19.2	26.7	74.8	69.4	14.7	14.3	0.012963
06:00	17.5	17.3	19.1	26.6	75.9	71.6	14.7	14.5	0.012934
07:00	17.8	17.4	19.3	26.4	78.4	74.6	15.0	14.6	0.013209
08:00	18.1	17.1	19.7	26.3	75.1	70.2	15.2	14.4	0.013424
09:00	17.5	17.4	19.9	26.2	65.4	66.3	14.6	14.5	0.012976
10:00	18.9	18.7	20.7	26.2	74.7	74.6	16.0	15.8	0.014175
11:00	20.4	20.4	20.9	26.2	93.6	95.2	17.7	17.7	0.015547
12:00	20.9	20.9	21.5	26.2	91.7	93.5	18.1	18.1	0.016013
13:00	20.6	20.5	21.2	26.2	90.8	92.0	17.8	17.8	0.01573
14:00	19.3	19.4	19.8	26.2	93.8	95.5	16.5	16.6	0.014481
15:00	19.0	19.2	19.4	26.1	95.3	97.3	16.3	16.5	0.014249
16:00	19.0	19.3	19.3	25.8	96.2	98.7	16.3	16.6	0.014232
17:00	18.9	19.1	19.3	25.5	95.4	97.2	16.2	16.4	0.014185
18:00	18.8	18.8	19.2	25.3	94.9	96.0	16.1	16.1	0.014052
19:00	18.9	19.0	19.2	25.2	95.9	97.6	16.1	16.3	0.014103
20:00	18.7	18.9	19.0	25.1	96.7	97.9	16.0	16.2	0.013991
21:00	18.9	19.1	19.1	25.0	96.9	98.7	16.2	16.4	0.014095
22:00	18.9	19.2	19.2	24.9	96.5	98.8	16.2	16.5	0.01415
23:00	18.7	19.0	19.0	24.8	96.8	99.1	16.0	16.3	0.013979
Avg	18.6	18.4	19.6	26.1	84.5	83.4	15.8	15.6	0.013863
Max	20.9	20.9	21.5	27.4	96.9	99.1	18.1	18.1	0.016013
Hr. of Max	12	12	12	00	21	23	12	12	12
Min	17.3	16.2	19.0	24.8	64.5	56.8	14.4	13.5	0.012742
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

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	0.011928	19.8	18.6	.00	29.14	986.9	-2.0	.00	234.3
01:00	0.012015	20.0	18.7	.00	29.13	986.6	-2.6	.00	309.7
02:00	0.012372	20.1	19.2	.00	29.12	986.2	-3.0	.00	336.4
03:00	0.012566	19.9	19.5	.00	29.11	985.7	-2.2	.00	338.1
04:00	0.012653	20.0	19.6	.00	29.10	985.4	-2.1	.00	44.9
05:00	0.012581	20.1	19.5	.00	29.10	985.4	-1.6	.00	351.5
06:00	0.01279	20.1	19.9	.00	29.09	985.3	-2.3	.00	345.2
07:00	0.012873	20.5	20.0	.00	29.10	985.5	9.0	.01	253.2
08:00	0.012663	20.8	19.7	.00	29.10	985.5	60.9	.09	257.4
09:00	0.01284	20.1	19.9	.00	29.10	985.5	145.1	.21	234.5
10:00	0.013946	22.0	21.6	.02	29.11	986.0	107.0	.15	250.8
11:00	0.015551	24.1	24.1	.10	29.13	986.4	95.8	.14	233.2
12:00	0.016003	24.7	24.7	.00	29.12	986.1	169.1	.24	272.8
13:00	0.015691	24.3	24.3	.10	29.11	985.8	121.7	.17	263.6
14:00	0.014545	22.4	22.5	.14	29.11	985.7	37.9	.05	233.6
15:00	0.014408	22.1	22.3	.48	29.10	985.4	27.0	.04	85.8
16:00	0.014481	22.0	22.4	.22	29.08	984.9	43.8	.06	58.0
17:00	0.01434	22.0	22.2	.13	29.08	984.7	60.1	.09	39.1
18:00	0.014086	21.8	21.8	.01	29.08	985.0	60.4	.09	64.8
19:00	0.014263	21.8	22.1	.00	29.09	985.1	4.2	.01	23.0
20:00	0.014093	21.7	21.8	.00	29.10	985.4	-2.2	.00	355.0
21:00	0.014315	21.8	22.2	.01	29.10	985.6	-2.0	.00	49.4
22:00	0.014412	21.9	22.3	.00	29.09	985.3	-2.2	.00	68.3
23:00	0.014217	21.7	22.0	.00	29.10	985.4	-2.0	.00	25.5
Avg	0.013735	21.5	21.3	.05	29.10	985.6	38.2	.06	335.0
Max	0.016003	24.7	24.7	.48	29.14	986.9	169.1	.24	355.0
Hr. of Max	12	12	12	15	00	00	12	12	20
Min	0.011928	19.8	18.6	.00	29.08	984.7	-3.0	.00	23.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

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	234.6	221.8	239.0	216.2	13.3	7.7	5.9	1.5	3.3
01:00	242.8	205.6	322.0	205.6	25.8	48.5	15.9	.4	1.2
02:00	68.6	83.9	302.2	69.1	25.0	21.1	10.3	.3	.9
03:00	80.1	96.5	340.5	88.2	29.1	51.8	10.9	.5	.8
04:00	24.0	65.1	339.5	19.2	29.8	26.9	38.7	.3	.9
05:00	59.0	21.1	342.1	350.6	42.5	24.4	38.2	.1	.7
06:00	49.6	105.4	341.7	97.2	25.8	36.0	11.9	.4	.9
07:00	192.7	94.3	251.9	75.9	10.2	55.3	17.0	1.0	.1
08:00	228.9	194.5	257.9	189.7	12.5	12.3	9.3	1.3	2.2
09:00	237.3	223.0	242.0	218.6	25.1	17.7	15.6	1.5	2.2
10:00	260.5	258.1	256.0	251.5	21.6	17.2	14.7	3.3	4.7
11:00	259.3	266.9	239.1	260.0	41.1	38.7	25.5	1.7	2.7
12:00	278.4	284.1	276.2	274.6	24.5	25.9	24.2	1.8	2.3
13:00	272.9	271.7	268.8	263.6	28.1	24.7	21.5	3.2	4.1
14:00	251.4	279.5	239.4	272.1	42.5	38.9	54.3	1.1	1.6
15:00	63.6	86.4	222.8	354.7	51.3	48.9	47.2	.3	.2
16:00	62.2	65.7	59.0	53.4	23.9	15.5	10.6	2.3	3.9
17:00	45.2	52.6	38.1	39.9	34.3	18.0	12.4	2.1	4.3
18:00	67.8	67.5	68.4	55.4	28.9	18.8	15.9	1.7	3.0
19:00	33.0	37.9	23.3	23.7	33.9	18.4	14.3	1.2	2.9
20:00	1.9	15.2	355.1	.1	27.9	13.5	12.4	1.4	3.0
21:00	60.0	70.5	51.1	59.0	18.3	12.8	10.9	1.8	3.2
22:00	70.6	70.7	70.4	58.8	26.1	15.6	10.9	2.1	4.0
23:00	33.1	40.8	27.8	26.9	35.7	15.3	10.7	1.5	3.7
Avg	23.0	64.0	316.0	21.0	28.2	26.0	19.1	.0	.0
Max	278.4	284.1	355.1	354.7	51.3	55.3	54.3	3.3	4.7
Hr. of Max	12	12	20	15	15	07	14	10	10
Min	1.9	15.2	23.3	.1	10.2	7.7	5.9	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

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	5.1	1.6	3.3	5.1	1.9	5.4	.0	-1.0	-.03
01:00	2.1	.5	1.4	2.1	.8	2.3	2.5	-.9	.03
02:00	1.1	.7	1.1	1.1	1.0	1.5	1.6	1.1	.02
03:00	1.0	.8	.9	1.0	1.0	1.4	1.1	.3	.02
04:00	.1	.4	1.1	1.1	.5	1.4	1.3	-.6	.02
05:00	.4	.2	.9	1.2	.4	1.5	1.0	-.1	.02
06:00	1.4	.8	.9	1.4	1.0	1.7	2.0	.3	.03
07:00	.3	1.0	.5	.4	1.4	.9	1.0	.4	.01
08:00	3.3	1.4	2.3	3.4	1.7	3.6	-.3	-2.3	-.04
09:00	2.7	1.7	2.3	2.9	2.2	3.1	-2.4	-5.9	-.16
10:00	5.9	3.6	5.0	6.2	4.0	6.5	-1.1	.6	-.22
11:00	3.9	1.9	2.9	4.0	2.4	4.3	.8	.5	-.07
12:00	2.8	2.0	2.5	3.0	2.3	3.3	-6.6	-5.1	-.35
13:00	4.9	3.7	4.7	5.5	4.1	5.9	-3.0	-2.7	-.35
14:00	1.9	1.6	2.2	2.7	2.0	3.1	6.9	4.2	.14
15:00	.1	1.2	1.5	1.6	1.6	1.9	2.6	-1.6	.09
16:00	4.8	2.5	4.1	4.9	2.7	5.1	-1.4	-.3	-.12
17:00	5.4	2.4	4.6	5.5	2.6	5.8	-3.7	-1.5	-.32
18:00	4.0	2.6	4.0	4.8	3.0	5.0	1.8	2.0	.04
19:00	3.6	1.5	3.3	3.9	1.8	4.1	-.4	-.7	-.11
20:00	3.6	1.7	3.3	3.9	1.9	4.1	.5	.7	-.08
21:00	3.8	1.9	3.3	3.9	2.1	4.1	-5.5	1.7	-.25
22:00	5.2	2.3	4.3	5.4	2.7	5.7	4.6	3.4	.14
23:00	4.5	1.7	3.9	4.7	2.0	4.9	-2.0	-1.2	-.18
Avg	.0	1.7	2.7	3.3	2.0	3.6	.1	-.4	-.07
Max	5.9	3.7	5.0	6.2	4.1	6.5	6.9	4.2	.14
Hr. of Max	10	13	10	10	13	10	14	14	22
Min	.1	.2	.5	.4	.4	.9	-6.6	-5.9	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.10	4.6	9.6	11.9	6.7	3.9	26.8	26.7
01:00	-.05	2.1	5.5	6.6	7.6	4.8	26.0	26.4
02:00	.03	2.3	3.2	3.0	7.8	9.1	25.5	25.8
03:00	.01	1.8	2.3	2.3	7.8	10.4	24.9	25.2
04:00	-.01	2.1	3.2	2.5	6.9	11.0	24.4	25.2
05:00	.01	2.1	2.7	3.0	7.2	9.7	24.5	25.0
06:00	.03	2.1	4.4	4.1	9.0	9.7	24.2	24.5
07:00	.00	2.5	1.8	2.3	7.1	11.5	23.7	24.2
08:00	-.17	3.4	5.3	6.0	9.3	6.4	24.4	24.5
09:00	-.31	5.3	5.5	6.6	23.0	11.9	25.6	24.9
10:00	-.06	10.8	12.6	14.4	16.5	9.7	25.3	24.7
11:00	-.07	8.7	14.2	14.7	21.1	13.7	23.2	22.7
12:00	-.43	5.7	6.4	7.3	20.4	16.6	24.1	23.4
13:00	-.49	11.9	13.1	14.7	16.6	16.4	23.9	23.3
14:00	.05	8.2	11.0	12.4	22.4	22.5	21.9	21.4
15:00	-.03	5.5	7.8	8.2	18.1	14.4	21.5	20.9
16:00	-.06	7.1	8.2	8.5	17.7	9.0	21.4	20.8
17:00	-.21	7.1	9.4	13.7	21.6	8.9	21.5	21.0
18:00	.16	8.5	8.7	9.2	17.6	9.9	21.4	20.8
19:00	-.08	5.3	6.2	7.1	21.1	8.6	21.3	20.8
20:00	.06	4.4	6.4	8.5	19.8	5.2	21.1	20.7
21:00	.10	5.3	7.3	7.6	13.3	7.8	21.2	20.7
22:00	.29	6.6	12.4	11.2	21.0	8.7	21.3	20.7
23:00	-.13	4.6	6.6	13.7	20.7	6.8	21.0	20.4
Avg	-.06	5.3	7.2	8.3	15.0	10.3	23.3	23.1
Max	.29	11.9	14.2	14.7	23.0	22.5	26.8	26.7
Hr. of Max	22	13	11	13	09	14	00	00
Min	-.49	1.8	1.8	2.3	6.7	3.9	21.0	20.4
Count	24	24	24	24	24	24	24	24
Total								