Date Printed: 08/06/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2016

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	22.2	22.1	22.2	22.2	-.08	-.04	.03	.04	.11
01:00	22.2	22.1	22.1	22.2	-.06	-.08	.03	-.02	.09
02:00	22.2	22.1	22.2	22.4	-.05	.00	.24	.05	.29
03:00	22.4	22.4	22.5	22.6	.05	.10	.21	.05	.16
04:00	22.2	22.3	22.3	22.4	.05	.09	.17	.05	.12
05:00	22.1	22.1	22.3	22.4	.01	.18	.29	.17	.28
06:00	22.2	22.1	22.3	22.4	-.07	.10	.26	.18	.33
07:00	22.5	22.4	22.4	22.4	-.09	-.15	-.16	-.05	-.06
08:00	22.9	22.6	22.5	22.5	-.27	-.40	-.41	-.13	-.14
09:00	24.0	23.6	23.4	23.4	-.37	-.58	-.64	-.20	-.27
10:00	25.9	25.3	25.0	25.0	-.60	-.85	-.89	-.25	-.29
11:00	27.3	26.6	26.3	26.3	-.67	-1.01	-1.03	-.34	-.35
12:00	28.4	27.7	27.4	27.4	-.75	-1.02	-1.09	-.27	-.34
13:00	30.0	29.1	28.8	28.7	-.91	-1.20	-1.25	-.29	-.34
14:00	26.2	25.7	25.5	25.7	-.53	-.67	-.47	-.14	.06
15:00	24.7	24.2	24.0	24.1	-.53	-.71	-.59	-.18	-.06
16:00	29.5	28.7	28.4	28.5	-.80	-1.05	-1.02	-.25	-.21
17:00	30.8	30.1	29.8	29.7	-.70	-.95	-1.03	-.25	-.33
18:00	29.7	29.3	29.1	29.1	-.36	-.56	-.54	-.20	-.18
19:00	28.2	28.9	29.0	29.1	.72	.79	.87	.07	.15
20:00	25.9	26.8	27.3	27.7	.89	1.43	1.80	.54	.91
21:00	24.5	25.4	26.2	26.8	.90	1.69	2.24	.79	1.33
22:00	23.9	24.7	25.1	25.6	.83	1.27	1.79	.44	.96
23:00	23.4	24.1	24.4	25.0	.75	1.04	1.66	.29	.91
Avg	25.1	25.0	25.0	25.2	-.11	-.11	.02	.00	.13
Max	30.8	30.1	29.8	29.7	.90	1.69	2.24	.79	1.33
Hr. of Max	17	17	17	17	21	21	21	21	21
Min	22.1	22.1	22.1	22.2	-.91	-1.20	-1.25	-.34	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2016

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	21.0	21.3	21.4	28.4	95.5	97.4	18.3	18.6	0.016195
01:00	21.1	21.4	21.4	28.1	96.0	98.5	18.4	18.8	0.01623
02:00	21.2	21.6	21.5	27.8	96.5	99.3	18.5	19.0	0.016349
03:00	21.1	21.5	21.6	27.4	95.3	97.1	18.5	18.9	0.016325
04:00	21.3	21.7	21.6	27.2	96.7	99.0	18.6	19.1	0.016441
05:00	21.2	21.6	21.5	27.0	97.3	99.5	18.6	19.0	0.016399
06:00	21.3	21.6	21.6	26.9	97.1	99.5	18.6	19.0	0.016425
07:00	21.6	21.9	21.9	26.7	97.1	99.5	19.0	19.3	0.016784
08:00	21.9	22.1	22.2	26.6	96.7	99.4	19.3	19.5	0.017103
09:00	22.1	22.0	22.8	26.6	91.9	93.4	19.5	19.4	0.017361
10:00	22.2	21.8	23.4	26.6	82.7	83.5	19.5	19.0	0.017456
11:00	22.2	21.8	23.9	26.8	76.0	77.0	19.4	18.9	0.017475
12:00	22.1	21.6	24.2	27.0	70.6	71.6	19.2	18.7	0.017344
13:00	21.6	21.0	24.4	27.4	62.8	63.8	18.6	18.0	0.016862
14:00	20.6	20.3	22.5	27.9	74.5	75.5	17.7	17.4	0.015822
15:00	21.7	21.2	22.7	28.3	85.9	85.8	19.0	18.4	0.01695
16:00	22.1	21.2	24.6	28.3	67.3	66.5	19.2	18.2	0.017482
17:00	21.2	20.4	24.4	28.5	58.6	58.0	18.1	17.3	0.016475
18:00	22.2	21.7	24.7	28.7	66.3	65.8	19.3	18.8	0.017545
19:00	23.0	22.3	24.8	28.8	76.0	69.7	20.4	19.5	0.018452
20:00	23.3	23.4	24.2	28.8	88.6	84.4	20.8	20.9	0.018755
21:00	22.8	23.4	23.4	28.7	92.6	91.3	20.2	21.0	0.01811
22:00	22.4	23.5	22.9	28.5	94.4	96.0	19.9	21.1	0.017711
23:00	22.1	23.4	22.5	28.3	94.9	98.7	19.5	21.1	0.017301
Avg	21.8	21.8	22.9	27.7	85.5	86.3	19.1	19.1	0.017056
Max	23.3	23.5	24.8	28.8	97.3	99.5	20.8	21.1	0.018755
Hr. of Max	20	22	19	20	05	07	20	23	20
Min	20.6	20.3	21.4	26.6	58.6	58.0	17.7	17.3	0.015822
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2016

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	0.016438	25.0	25.4	.28	29.08	985.0	-2.7	.00	88.6
01:00	0.0166	25.0	25.6	.07	29.08	984.7	-2.3	.00	281.0
02:00	0.016777	25.2	25.9	.33	29.07	984.6	-2.4	.00	209.7
03:00	0.01669	25.2	25.7	.03	29.06	984.2	-2.1	.00	239.0
04:00	0.016881	25.3	26.0	.00	29.06	984.0	-2.2	.00	45.6
05:00	0.016772	25.3	25.8	.00	29.06	984.1	-2.0	.00	281.8
06:00	0.016756	25.3	25.8	.00	29.08	984.6	-1.5	.00	232.0
07:00	0.01709	25.9	26.3	.00	29.09	985.1	23.1	.03	259.0
08:00	0.017284	26.4	26.6	.00	29.10	985.3	107.7	.15	231.3
09:00	0.017251	26.8	26.6	.00	29.09	985.2	246.7	.35	218.8
10:00	0.017013	26.9	26.2	.00	29.09	985.2	438.9	.63	231.0
11:00	0.017005	26.9	26.2	.00	29.09	985.2	571.8	.82	221.5
12:00	0.016816	26.7	25.9	.00	29.09	985.0	612.8	.88	221.9
13:00	0.01624	26.0	25.0	.00	29.07	984.4	885.5	1.27	215.5
14:00	0.015539	24.4	24.0	.03	29.07	984.4	276.2	.40	265.9
15:00	0.016398	26.1	25.3	.00	29.05	983.7	471.7	.68	209.6
16:00	0.016477	26.9	25.4	.00	29.03	983.0	717.7	1.03	223.6
17:00	0.015677	25.4	24.2	.00	29.02	982.7	397.2	.57	273.0
18:00	0.017045	27.0	26.2	.00	29.02	982.8	229.9	.33	322.4
19:00	0.017667	28.3	27.1	.00	29.01	982.4	125.9	.18	295.7
20:00	0.01884	28.8	28.9	.00	29.02	982.6	5.1	.01	285.4
21:00	0.018835	27.8	28.9	.00	29.03	983.1	-1.7	.00	319.0
22:00	0.018918	27.2	29.0	.00	29.04	983.6	-2.8	.00	263.6
23:00	0.01882	26.6	28.9	.00	29.05	983.6	-1.6	.00	242.9
Avg	0.017076	26.3	26.3	.03	29.06	984.1	212.0	.31	251.0
Max	0.018918	28.8	29.0	.33	29.10	985.3	885.5	1.27	322.4
Hr. of Max	22	20	22	02	08	08	13	13	18
Min	0.015539	24.4	24.0	.00	29.01	982.4	-2.8	.00	45.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2016

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	64.9	70.0	95.5	56.3	65.8	53.6	34.0	.2	1.5
01:00	331.0	344.8	294.8	323.5	65.6	58.6	58.1	1.0	1.5
02:00	227.0	235.4	217.6	237.2	45.8	47.0	49.1	1.7	2.5
03:00	247.7	226.2	243.3	220.4	37.8	17.2	17.2	1.7	3.0
04:00	48.6	62.1	49.9	45.6	36.5	28.6	25.0	.6	1.2
05:00	121.3	100.5	277.4	91.6	25.2	29.1	10.2	.7	.1
06:00	246.2	187.5	237.5	196.0	25.4	17.5	22.4	.9	.9
07:00	239.1	201.4	260.5	202.1	26.5	29.5	13.2	1.4	1.5
08:00	235.3	228.1	236.8	224.0	26.9	17.7	18.6	1.7	2.4
09:00	232.5	236.8	224.6	231.2	29.0	25.6	24.9	1.9	2.4
10:00	235.7	230.6	233.9	225.1	32.3	28.2	25.2	3.5	4.8
11:00	227.9	225.3	228.1	218.9	23.6	14.8	11.7	5.2	7.5
12:00	228.8	224.2	226.7	217.8	41.1	31.3	26.1	3.2	4.4
13:00	225.1	226.7	221.5	219.4	41.7	31.8	27.7	2.9	3.9
14:00	274.3	275.3	268.7	266.6	43.5	36.1	27.5	4.2	6.4
15:00	243.8	9.4	224.4	328.7	50.4	60.7	53.3	.3	.4
16:00	244.5	255.7	230.2	250.0	32.4	35.1	32.7	2.1	2.2
17:00	281.2	279.3	275.2	271.1	26.8	19.7	18.7	2.7	3.4
18:00	331.0	327.5	318.9	313.3	39.0	24.3	23.6	1.8	2.7
19:00	300.5	310.6	294.2	290.8	21.5	24.8	35.1	1.2	1.3
20:00	234.1	213.1	278.2	223.8	35.1	34.4	35.4	.8	.8
21:00	56.4	117.3	311.8	109.6	33.7	38.7	42.3	.7	.6
22:00	242.6	169.2	265.5	219.8	25.1	45.5	24.6	1.7	2.2
23:00	237.0	228.1	247.5	224.0	29.1	15.3	18.0	2.0	2.5
Avg	250.0	234.0	254.0	237.0	35.8	31.9	28.1	.0	.0
Max	331.0	344.8	318.9	328.7	65.8	60.7	58.1	5.2	7.5
Hr. of Max	18	01	18	15	00	15	01	11	11
Min	48.6	9.4	49.9	45.6	21.5	14.8	10.2	.2	.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)

8/5/2016

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	2.4	1.5	2.5	3.0	2.1	3.4	-1.2	1.0	-.07
01:00	1.7	1.7	2.1	2.4	1.9	2.7	-.3	2.8	-.06
02:00	3.4	2.1	3.0	4.3	2.5	4.5	.4	-.9	-.04
03:00	4.3	2.2	3.5	4.7	2.6	5.0	.7	-.4	-.02
04:00	1.4	1.0	1.8	1.7	1.3	2.0	.2	-1.1	.01
05:00	1.0	.8	.5	1.1	1.1	1.3	.6	-.6	.00
06:00	1.1	1.0	1.3	1.5	1.4	1.8	.4	-.4	.00
07:00	1.7	1.5	1.7	2.1	1.8	2.4	-2.9	-2.7	-.11
08:00	2.8	1.9	2.5	2.9	2.3	3.2	-3.4	-4.5	-.19
09:00	2.9	2.2	2.6	3.2	2.6	3.5	-.8	-.9	-.11
10:00	5.3	3.9	5.1	5.6	4.3	6.1	2.9	2.8	-.11
11:00	8.3	5.6	7.7	8.5	6.1	9.0	-1.5	-2.5	-.36
12:00	5.3	4.1	5.1	5.8	4.6	6.3	1.5	-1.0	-.06
13:00	4.4	3.7	4.5	4.9	4.4	5.6	-1.5	-1.3	-.20
14:00	8.6	5.9	8.1	9.9	6.4	10.2	-.6	1.6	-.36
15:00	.6	1.6	2.0	2.3	2.1	2.6	-.6	-1.8	-.05
16:00	2.3	2.3	2.4	2.6	2.9	3.0	.9	.2	-.02
17:00	3.9	3.1	3.8	4.2	3.5	4.5	-2.7	-5.1	-.27
18:00	3.3	2.0	2.9	3.5	2.3	3.7	-.7	-3.0	-.17
19:00	1.3	1.6	2.0	2.1	1.9	2.4	-2.3	-6.1	-.12
20:00	1.8	1.0	1.1	1.9	1.3	2.3	.6	-1.0	.00
21:00	.5	1.0	.7	.5	1.2	.9	.8	-1.1	.01
22:00	1.7	2.0	2.4	2.2	2.3	2.5	-.7	.1	-.06
23:00	3.0	2.1	2.7	3.2	2.4	3.5	-.5	-.8	-.06
Avg	.0	2.3	3.0	3.5	2.7	3.9	-.4	-1.1	-.10
Max	8.6	5.9	8.1	9.9	6.4	10.2	2.9	2.8	.01
Hr. of Max	14	14	14	14	14	14	10	10	21
Min	.5	.8	.5	.5	1.1	.9	-3.4	-6.1	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	.04	6.4	7.1	8.2	19.4	12.2	23.8	23.6
01:00	.09	7.3	7.6	7.3	15.7	13.6	23.8	23.5
02:00	-.10	8.7	11.9	13.7	12.4	10.6	23.9	23.9
03:00	-.09	14.9	16.9	20.6	15.5	7.1	24.2	24.0
04:00	-.03	3.2	3.7	3.9	12.7	9.3	24.1	23.8
05:00	-.01	2.3	1.8	4.6	10.8	11.5	23.9	23.8
06:00	.01	3.4	3.4	3.7	10.4	7.7	23.9	23.9
07:00	-.12	5.0	6.4	5.3	12.4	10.6	24.2	23.8
08:00	-.25	6.4	6.4	7.6	17.7	14.9	24.5	23.9
09:00	-.20	6.6	8.0	10.8	19.0	18.5	25.4	24.8
10:00	-.12	9.4	11.9	11.9	22.7	19.7	27.0	26.3
11:00	-.46	11.9	19.9	19.5	16.6	9.6	28.2	27.4
12:00	-.29	16.3	17.9	21.1	21.5	17.7	29.2	28.5
13:00	-.22	9.8	12.6	12.6	21.0	22.8	30.5	29.7
14:00	-.15	17.4	20.2	23.4	17.0	14.2	27.1	26.8
15:00	.00	7.6	10.3	15.6	23.6	16.3	25.9	25.5
16:00	-.07	5.7	6.2	6.4	21.7	25.9	30.1	29.5
17:00	-.49	7.1	7.3	9.6	19.0	14.1	31.5	30.7
18:00	-.23	6.2	12.4	10.5	21.5	10.9	31.1	30.4
19:00	-.15	4.1	5.7	6.0	13.0	11.6	30.8	30.5
20:00	-.02	5.5	7.6	9.6	7.6	6.1	28.7	29.3
21:00	-.02	2.5	2.3	1.8	7.8	7.6	27.3	28.5
22:00	.01	9.4	13.5	15.1	6.4	7.0	26.6	27.4
23:00	-.07	5.3	4.8	4.8	6.6	5.7	26.1	26.8
Avg	-.12	7.6	9.4	10.6	15.5	12.7	26.7	26.5
Max	.09	17.4	20.2	23.4	23.6	25.9	31.5	30.7
Hr. of Max	01	14	14	14	15	16	17	17
Min	-.49	2.3	1.8	1.8	6.4	5.7	23.8	23.5
Count	24	24	24	24	24	24	24	24
Total								