Date Printed: 04/23/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2017

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	18.1	18.1	18.1	18.0	.06	.00	-.02	-.06	-.08
01:00	17.9	17.9	18.0	17.9	.06	.09	.06	.03	.00
02:00	17.5	17.9	17.9	18.0	.37	.43	.47	.06	.11
03:00	16.9	17.4	17.5	17.6	.47	.58	.63	.11	.16
04:00	16.5	16.9	17.3	17.5	.30	.72	.91	.42	.61
05:00	16.8	17.0	17.2	17.3	.19	.33	.46	.14	.28
06:00	16.9	17.0	17.1	17.2	.13	.23	.34	.11	.21
07:00	17.1	17.1	17.1	17.1	.03	.01	.09	-.02	.06
08:00	17.6	17.6	17.5	17.5	-.05	-.14	-.14	-.08	-.08
09:00	17.8	17.8	17.7	17.7	-.01	-.07	-.05	-.06	-.04
10:00	17.6	17.5	17.4	17.4	-.04	-.13	-.12	-.09	-.09
11:00	16.7	16.5	16.3	16.2	-.20	-.38	-.45	-.18	-.25
12:00	17.5	17.1	16.9	16.8	-.39	-.60	-.68	-.22	-.30
13:00	19.1	18.8	18.5	18.5	-.35	-.60	-.68	-.25	-.33
14:00	20.9	20.4	20.1	20.0	-.46	-.76	-.84	-.30	-.38
15:00	21.7	21.3	21.0	20.9	-.44	-.75	-.84	-.31	-.40
16:00	20.8	20.6	20.4	20.3	-.17	-.38	-.46	-.22	-.30
17:00	17.3	17.2	17.1	17.0	-.11	-.23	-.28	-.12	-.17
18:00	16.1	16.0	16.0	16.0	-.05	-.10	-.13	-.05	-.08
19:00	15.4	15.4	15.3	15.2	.02	-.07	-.15	-.10	-.17
20:00	14.5	14.5	14.4	14.4	.00	-.09	-.13	-.09	-.13
21:00	14.1	14.0	13.9	13.8	-.13	-.23	-.28	-.10	-.15
22:00	13.7	13.6	13.5	13.5	-.14	-.22	-.20	-.07	-.06
23:00	13.6	13.6	13.6	13.5	.03	.00	-.03	-.03	-.07
Avg	17.2	17.1	17.1	17.1	-.04	-.10	-.11	-.06	-.07
Max	21.7	21.3	21.0	20.9	.47	.72	.91	.42	.61
Hr. of Max	15	15	15	15	03	04	04	04	04
Min	13.6	13.6	13.5	13.5	-.46	-.76	-.84	-.31	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2017

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	17.4	17.7	17.6	20.4	97.8	99.6	14.8	15.1	0.012858
01:00	17.2	17.6	17.4	20.2	97.8	99.6	14.7	15.0	0.012719
02:00	16.8	17.5	17.1	20.0	97.8	99.5	14.3	14.9	0.012432
03:00	16.3	17.0	16.5	19.9	97.7	99.6	13.9	14.5	0.011992
04:00	15.9	16.5	16.1	19.8	97.7	99.7	13.5	14.1	0.011708
05:00	16.2	16.9	16.4	19.7	97.9	101.1	13.8	14.4	0.01194
06:00	16.2	16.9	16.4	19.6	97.9	101.2	13.8	14.4	0.011953
07:00	16.4	17.0	16.6	19.5	98.0	101.4	14.0	14.5	0.012109
08:00	17.0	17.3	17.2	19.5	98.1	100.1	14.5	14.7	0.012586
09:00	17.1	17.3	17.3	19.5	98.1	99.3	14.6	14.8	0.012672
10:00	16.9	17.0	17.1	19.4	98.0	99.0	14.4	14.5	0.012477
11:00	16.0	16.0	16.3	19.4	98.0	99.0	13.7	13.6	0.011791
12:00	16.8	16.6	17.0	19.4	97.7	98.6	14.3	14.1	0.012412
13:00	16.7	16.2	17.5	19.4	87.6	86.8	14.1	13.7	0.01233
14:00	16.4	15.5	17.9	19.5	77.1	75.1	13.8	13.1	0.012097
15:00	16.4	15.9	18.2	19.7	73.5	73.2	13.8	13.4	0.012152
16:00	16.6	16.3	18.0	19.9	78.5	78.1	13.9	13.7	0.012266
17:00	15.5	15.7	16.1	20.0	91.0	92.7	13.2	13.3	0.011434
18:00	15.5	15.6	15.7	20.1	97.9	99.0	13.2	13.3	0.011381
19:00	14.8	14.9	15.0	19.8	97.9	98.8	12.6	12.8	0.010867
20:00	13.9	14.0	14.1	19.5	97.8	98.7	12.0	12.1	0.01026
21:00	13.5	13.5	13.7	19.4	97.9	98.8	11.7	11.7	0.00999
22:00	13.1	13.2	13.3	19.2	97.9	98.9	11.4	11.5	0.009752
23:00	13.0	13.2	13.2	19.1	97.9	98.9	11.3	11.5	0.009661
Avg	15.9	16.1	16.3	19.7	94.5	95.7	13.6	13.7	0.011743
Max	17.4	17.7	18.2	20.4	98.1	101.4	14.8	15.1	0.012858
Hr. of Max	00	00	15	00	09	07	00	00	00
Min	13.0	13.2	13.2	19.1	73.5	73.2	11.3	11.5	0.009661
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2017

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	0.01314	19.9	20.3	.25	29.01	982.5	-2.3	.00	74.7
01:00	0.013013	19.7	20.1	.45	29.00	982.1	-1.8	.00	96.9
02:00	0.01295	19.2	20.0	.00	28.97	981.1	-1.9	.00	26.4
03:00	0.012592	18.5	19.5	.00	28.95	980.3	-2.2	.00	22.2
04:00	0.012173	18.1	18.8	.00	28.93	979.8	-2.4	.00	180.6
05:00	0.01248	18.5	19.3	.00	28.93	979.8	-2.4	.00	158.0
06:00	0.012458	18.5	19.2	.00	28.94	980.1	-1.8	.00	188.2
07:00	0.012556	18.7	19.4	.00	28.95	980.4	29.9	.04	184.7
08:00	0.012797	19.4	19.8	.00	28.96	980.6	51.3	.07	197.8
09:00	0.01282	19.6	19.8	.01	28.97	981.2	34.8	.05	247.3
10:00	0.012584	19.3	19.5	.08	29.00	982.0	54.5	.08	231.9
11:00	0.011769	18.3	18.2	.08	29.00	982.2	104.5	.15	201.8
12:00	0.012212	19.2	18.9	.02	28.99	981.7	415.9	.60	154.2
13:00	0.011946	19.1	18.5	.00	28.98	981.3	529.7	.76	210.2
14:00	0.011449	18.7	17.7	.00	28.95	980.5	591.3	.83 +	185.0
15:00	0.011781	18.8	18.2	.00	28.92	979.5	504.1	.72	340.0
16:00	0.012075	18.9	18.6	.00	28.89	978.4	108.2	.16	35.9
17:00	0.011567	17.7	17.9	.46	28.92	979.5	10.6	.02	28.4
18:00	0.011476	17.6	17.8	.25	28.95	980.3	3.0	.00	53.7
19:00	0.01099	16.8	17.0	.19	28.97	980.9	-.2	.00	80.2
20:00	0.010354	15.9	16.1	.06	28.97	980.9	-2.0	.00	66.9
21:00	0.01	15.5	15.5	.00	28.98	981.4	-1.9	.00	14.2
22:00	0.009757	15.1	15.2	.00	28.98	981.3	-1.9	.00	22.3
23:00	0.009777	15.0	15.2	.00	28.96	980.8	-2.7	.00	53.7
Avg	0.011863	18.2	18.4	.08	28.96	980.8	100.6	.14	104.0
Max	0.01314	19.9	20.3	.46	29.01	982.5	591.3	.83	340.0
Hr. of Max	00	00	00	17	00	00	14	14	15
Min	0.009757	15.0	15.2	.00	28.89	978.4	-2.7	.00	14.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2017

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	103.8	116.0	330.2	110.4	61.1	64.1	51.9	.3	.5
01:00	112.4	114.0	141.5	104.9	64.7	55.4	47.9	1.0	1.2
02:00	30.0	82.6	324.1	74.7	55.0	42.2	39.3	.8	1.1
03:00	24.4	65.0	343.6	56.1	44.2	26.5	19.8	.8	1.3
04:00	291.6	331.9	240.9	323.1	70.0	42.8	35.0	.4	.9
05:00	356.7	318.9	208.3	309.1	24.1	37.2	21.4	.6	.5
06:00	206.4	232.8	242.1	227.8	50.3	40.0	33.3	1.0	1.4
07:00	204.1	173.7	214.4	167.9	34.7	19.6	14.2	.9	1.6
08:00	209.4	196.5	211.9	191.4	29.8	16.7	12.9	1.6	3.0
09:00	254.1	248.0	249.5	243.3	20.9	14.0	11.1	3.4	5.4
10:00	241.9	238.4	233.3	233.8	26.3	16.3	12.8	4.1	6.7
11:00	223.2	223.5	208.4	219.6	37.4	29.9	24.8	2.5	3.6
12:00	171.0	173.8	172.4	171.0	40.6	39.6	47.8	1.0	1.3
13:00	236.8	228.0	223.8	225.9	61.6	46.8	37.5	1.4	2.0
14:00	208.5	216.1	194.3	210.3	42.1	34.1	30.2	2.1	2.8
15:00	336.7	324.4	320.5	314.4	54.2	36.1	29.6	1.0	1.9
16:00	32.6	31.5	20.8	21.1	48.6	38.8	32.5	2.4	4.2
17:00	22.2	15.2	14.4	4.3	59.6	49.9	41.1	2.3	4.7
18:00	40.2	38.1	38.1	27.1	51.4	35.4	15.4	1.8	3.7
19:00	78.5	77.2	75.6	64.0	20.2	18.0	15.9	4.2	6.2
20:00	67.5	69.2	59.3	59.4	25.0	15.2	10.0	5.8	9.9
21:00	13.9	24.8	349.9	13.2	42.3	22.8	18.5	1.5	3.1
22:00	8.6	14.3	6.8	2.9	32.1	16.5	15.5	1.9	3.8
23:00	42.7	37.2	39.0	26.8	33.9	19.8	13.4	1.1	2.4
Avg	18.0	55.0	281.0	24.0	42.9	32.4	26.3	.0	.0
Max	356.7	331.9	349.9	323.1	70.0	64.1	51.9	5.8	9.9
Hr. of Max	05	04	21	04	04	00	00	20	20
Min	8.6	14.3	6.8	2.9	20.2	14.0	10.0	.3	.5
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)

4/22/2017

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	1.0	1.6	2.2	2.6	2.1	3.0	2.0	1.5	.03
01:00	2.0	2.3	3.2	3.2	2.8	3.7	.8	-.5	.06
02:00	1.1	1.5	2.3	3.0	1.9	3.3	1.3	2.5	.00
03:00	1.6	1.2	1.5	1.9	1.4	2.1	.1	.1	-.02
04:00	1.4	.7	1.0	1.6	1.3	1.8	4.2	2.7	.08
05:00	1.5	.6	1.0	1.8	1.3	2.0	4.0	3.4	.07
06:00	.8	1.1	1.6	1.1	1.5	1.3	.9	-.5	.00
07:00	2.2	1.1	1.8	2.3	1.6	2.6	1.2	-.6	.04
08:00	4.5	2.0	3.5	5.0	2.6	5.2	3.4	-1.7	.07
09:00	7.4	3.7	5.7	7.7	4.1	8.0	.5	.2	-.12
10:00	8.7	4.4	7.0	9.1	5.0	9.5	-.8	-.2	-.20
11:00	4.3	3.2	4.3	5.3	3.7	5.6	3.2	1.2	.09
12:00	1.7	2.2	2.6	2.8	2.7	3.2	3.5	4.5	.09
13:00	2.4	2.0	2.5	2.7	2.6	3.3	1.6	-4.1	.04
14:00	3.3	2.9	3.4	3.8	3.4	4.3	-.9	.4	-.04
15:00	2.3	2.8	3.8	4.0	3.4	4.6	-3.2	1.6	-.32
16:00	5.2	4.0	5.9	7.3	4.7	7.7	-1.9	-.4	-.32
17:00	6.2	3.7	6.1	7.7	4.3	8.3	.4	.4	-.26
18:00	5.3	2.3	4.1	5.6	2.7	5.9	-3.1	-.5	-.23
19:00	7.7	4.5	6.8	8.4	5.0	11.4	1.8	5.5	.01
20:00	12.8	6.4	10.5	13.1	7.1	13.5	-.5	.3	-.26
21:00	3.8	1.8	3.5	4.1	2.1	4.3	-2.1	1.8	-.17
22:00	4.9	2.2	4.1	5.3	2.4	5.5	.2	2.3	-.13
23:00	3.3	1.3	2.6	3.6	1.6	3.8	.8	1.8	-.04
Avg	.0	2.5	3.8	4.7	3.0	5.2	.7	.9	-.06
Max	12.8	6.4	10.5	13.1	7.1	13.5	4.2	5.5	.09
Hr. of Max	20	20	20	20	20	20	04	19	12
Min	.8	.6	1.0	1.1	1.3	1.3	-3.2	-4.1	-.32
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)

4/22/2017

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	.13	9.8	12.6	12.4	16.4	20.7	19.5	19.1
01:00	.08	8.7	8.2	9.2	14.8	10.6	19.4	18.9 R
02:00	.18	5.7	6.6	9.2	15.5	14.0	19.2	19.0
03:00	.03	3.7	5.0	9.6	10.2	6.4	18.7	18.6
04:00	.09	2.5	4.8	6.0	11.3	12.2	18.1	18.5
05:00	.07	4.1	4.4	6.2	10.3	10.7	18.3	18.3
06:00	-.01	4.4	4.6	11.2	8.8	8.8	18.3	18.2
07:00	.00	4.6	5.3	6.2	11.2	6.3	18.5	18.2
08:00	-.21	7.8	8.7	9.2	16.0	9.1	19.0	18.5
09:00	-.04	10.8	11.9	14.2	15.1	7.4	19.0	18.6
10:00	-.14	13.1	17.2	18.8	15.9	8.6	18.8	18.2
11:00	.07	20.4	26.8	26.6	19.0	13.4	17.6	17.0
12:00	.15	6.6	7.8	9.8	21.6	19.3	18.3	17.6
13:00	-.36	6.9	7.8	7.6	25.2	27.1	19.8	19.1
14:00	-.06	8.9	9.6	12.1	22.6	25.0	21.3	20.7
15:00	.06	7.8	8.9	8.2	24.0	22.6	22.3	21.6
16:00	-.02	16.9	19.9	24.7	21.6	15.4	21.7	21.1
17:00	-.01	15.8	19.7	23.8	22.7	16.9	18.3	17.8
18:00	-.09	9.2	12.8	16.0	18.1	9.8	17.2	16.7
19:00	2.31	13.5	16.7	18.3	16.4	12.6	16.5	16.6 R
20:00	.01	19.7	22.4	25.4	19.7	7.7	15.5	15.0
21:00	.09	7.3	12.1	13.5	21.0	10.0	15.0	14.5
22:00	.29	6.6	9.8	12.4	21.1	7.5	14.6	14.2
23:00	.11	3.7	6.2	10.1	22.9	10.2	14.6	14.2
Avg	.11	9.1	11.2	13.4	17.6	13.0	18.3	17.9
Max	2.31	20.4	26.8	26.6	25.2	27.1	22.3	21.6
Hr. of Max	19	11	11	11	13	13	15	15
Min	-.36	2.5	4.4	6.0	8.8	6.3	14.6	14.2
Count	24	24	24	24	24	24	24	24
Total								