Date Printed: 03/19/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/18/2017

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	11.1	12.3	12.8	13.3	1.13	1.63	2.15	.50	1.01
01:00	10.5	11.0	11.6	12.1	.49	1.08	1.53	.58	1.04
02:00	10.6	11.2	11.3	11.6	.56	.75	.97	.19	.41
03:00	10.6	11.2	11.3	11.4	.54	.65	.74	.10	.20
04:00	10.6	11.0	11.1	11.1	.44	.47	.51	.03	.07
05:00	10.6	10.9	10.9	10.9	.33	.33	.34	.00	.00
06:00	10.5	10.9	10.9	10.9	.34	.38	.40	.04	.07
07:00	10.7	10.9	10.9	11.0	.22	.23	.35	.01	.13
08:00	11.1	11.3	11.3	11.3	.19	.20	.23	.01	.04
09:00	11.7	11.6	11.4	11.4	-.16	-.28	-.32	-.13	-.17
10:00	13.5	13.1	12.9	12.8	-.34	-.55	-.61	-.21	-.27
11:00	15.7	15.1	14.9	14.8	-.57	-.82	-.92	-.25	-.35
12:00	16.4	16.1	15.8	15.8	-.34	-.59	-.67	-.26	-.33
13:00	17.2	16.6	16.4	16.3	-.55	-.81	-.92	-.26	-.38
14:00	19.4	18.5	18.2	18.1	-.84	-1.13	-1.28	-.29	-.44
15:00	19.9	19.0	18.7	18.6	-.81	-1.14	-1.27	-.32	-.46
16:00	19.3	18.6	18.3	18.2	-.67	-.99	-1.16	-.32	-.49
17:00	18.2	17.7	17.4	17.3	-.44	-.73	-.86	-.30	-.42
18:00	16.5	16.3	16.1	16.0	-.16	-.41	-.47	-.25	-.32
19:00	13.8	14.0	13.8	13.8	.17	.02	-.03	-.15	-.20
20:00	11.7	12.0	11.8	11.8	.26	.13	.09	-.13	-.17
21:00	10.6	10.9	10.8	10.7	.24	.13	.11	-.10	-.13
22:00	9.9	10.3	10.2	10.1	.37	.27	.22	-.10	-.15
23:00	9.3	9.4	9.3	9.2	.07	-.09	-.16	-.16	-.24
Avg	13.3	13.3	13.3	13.3	.02	-.05	-.04	-.07	-.06
Max	19.9	19.0	18.7	18.6	1.13	1.63	2.15	.58	1.04
Hr. of Max	15	15	15	15	00	00	00	01	01
Min	9.3	9.4	9.3	9.2	-.84	-1.14	-1.28	-.32	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/18/2017

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	10.0	9.1	10.4	8.9	94.1	82.5	9.4	8.8	0.007833
01:00	10.0	10.5	10.2	8.9	97.8	97.8	9.4	9.7	0.007831
02:00	10.1	10.7	10.2	9.0	97.7	98.5	9.4	9.8	0.007856
03:00	10.1	10.8	10.3	9.1	97.7	98.8	9.4	9.9	0.007873
04:00	10.0	10.7	10.2	9.2	97.7	99.0	9.4	9.8	0.007858
05:00	10.0	10.6	10.2	9.3	97.7	99.1	9.4	9.7	0.007848
06:00	10.0	10.5	10.2	9.3	97.7	99.2	9.4	9.7	0.007828
07:00	10.1	10.6	10.3	9.4	97.8	99.2	9.5	9.8	0.007911
08:00	10.6	11.0	10.7	9.4	97.9	99.3	9.7	10.0	0.008135
09:00	11.2	11.3	11.4	9.4	98.0	99.3	10.1	10.2	0.008502
10:00	12.7	12.5	13.0	9.5	96.9	97.2	11.2	11.0	0.009414
11:00	11.4	11.0	12.9	9.7	77.2	77.5	10.2	9.9	0.00865
12:00	9.5	9.0	11.8	10.0	64.6	63.8	8.9	8.6	0.0076
13:00	6.1	5.1	9.8	10.4	49.1	47.5	7.1	6.7	0.006057
14:00	-.4	-2.1	6.2	10.8	27.5	25.6	4.5	4.0	0.003887
15:00	-5.3	-7.6	3.1	11.2	18.4	16.3	3.2	2.7	0.002703
16:00	-7.1	-9.2	1.7	11.6	16.6	14.8	2.8	2.4	0.002355
17:00	-6.3	-7.9	1.8	11.8	18.8	17.2	2.9	2.6	0.002482
18:00	-6.7	-7.9	1.0	11.9	20.4	18.8	2.8	2.6	0.002406
19:00	-3.0	-3.7	2.6	11.9	31.7	29.9	3.8	3.6	0.003141
20:00	-1.9	-2.4	2.6	11.8	39.2	37.1	4.1	3.9	0.003391
21:00	-1.0	-1.5	2.8	11.6	44.8	42.7	4.4	4.2	0.003605
22:00	-.2	-.8	3.2	11.4	50.1	46.6	4.6	4.4	0.003829
23:00	-.7	-1.1	2.7	11.2	50.0	48.2	4.5	4.3	0.003689
Avg	4.6	4.1	7.5	10.3	65.8	64.8	7.1	7.0	0.005945
Max	12.7	12.5	13.0	11.9	98.0	99.3	11.2	11.0	0.009414
Hr. of Max	10	10	10	19	09	09	10	10	10
Min	-7.1	-9.2	1.0	8.9	16.6	14.8	2.8	2.4	0.002355
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/18/2017

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	0.007389	12.3	11.6	.11	29.23	989.8	-2.4	.00	217.2
01:00	0.008092	12.3	12.7	.06	29.22	989.6	-2.0	.00	219.2
02:00	0.008217	12.3	12.9	.14	29.22	989.6	-2.6	.00	235.4
03:00	0.008256	12.4	13.0	.09	29.21	989.1	-1.0	.00	233.8
04:00	0.008201	12.3	12.9	.20	29.19	988.5	-3.1	.00	14.3
05:00	0.008136	12.3	12.8	.09	29.19	988.6	-2.7	.00	207.8
06:00	0.008125	12.3	12.7	.00	29.19	988.7	-2.2	.00	217.5
07:00	0.008144	12.4	12.8	.00	29.20	988.9	-1.0	.00	224.5
08:00	0.008359	12.8	13.1	.00	29.21	989.3	56.0	.08	230.9
09:00	0.008528	13.3	13.4	.00	29.22	989.4	144.4	.21	217.3
10:00	0.009239	14.8	14.5	.00	29.22	989.4	383.8	.55	214.9
11:00	0.008378	13.6	13.2	.00	29.22	989.5	584.6	.84	253.7
12:00	0.007335	11.9	11.5	.00	29.21	989.3	367.3	.53	263.8
13:00	0.005653	9.5	8.9	.00	29.20	988.8	575.6	.83	259.0
14:00	0.003436	6.1	5.4	.00	29.15	987.3	886.8	1.27	248.4
15:00	0.002275	4.3	3.6	.00	29.14	986.7	821.7	1.18	268.1
16:00	0.002005	3.7	3.2	.00	29.13	986.6	679.2	.97	264.3
17:00	0.002201	3.9	3.5	.00	29.14	987.0	392.6	.56	253.9
18:00	0.002202	3.8	3.5	.00	29.17	987.8	176.3	.25	284.4
19:00	0.002996	5.0	4.7	.00	29.21	989.2	22.7	.03	293.5
20:00	0.003265	5.4	5.2	.00	29.24	990.4	-2.3	.00	275.8
21:00	0.00349	5.7	5.5	.00	29.27	991.1	-2.3	.00	269.3
22:00	0.003656	6.1	5.8	.00	29.29	991.9	-1.8	.00	329.5
23:00	0.003572	5.9	5.7	.00	29.31	992.7	-2.4	.00	302.9
Avg	0.005881	9.4	9.3	.03	29.21	989.1	211.1	.30	253.0
Max	0.009239	14.8	14.5	.20	29.31	992.7	886.8	1.27	329.5
Hr. of Max	10	10	10	04	23	23	14	14	22
Min	0.002005	3.7	3.2	.00	29.13	986.6	-3.1	.00	14.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/18/2017

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	230.9	225.0	240.7	221.8	49.4	28.5	12.8	1.9	4.7
01:00	244.3	234.2	253.2	231.7	50.7	47.9	22.3	.8	2.2
02:00	240.4	235.0	239.8	231.6	23.9	16.9	11.9	1.8	3.9
03:00	238.9	232.0	246.5	228.7	33.8	20.2	14.7	1.0	2.9
04:00	294.6	253.9	277.6	260.5	39.2	34.6	41.5	.6	1.4
05:00	250.3	252.5	228.9	248.6	45.6	16.4	12.4	.6	2.2
06:00	249.5	252.6	225.6	247.9	16.4	10.2	8.5	1.7	2.9
07:00	236.2	238.0	226.2	234.1	13.4	6.6	3.8	3.4	6.0
08:00	245.7	247.7	233.5	243.1	14.8	9.4	7.7	3.3	5.1
09:00	227.8	229.7	220.5	225.8	17.5	13.7	10.8	3.8	4.9
10:00	229.3	234.0	216.6	229.4	22.1	19.5	16.0	3.8	4.7
11:00	260.1	261.5	252.5	256.4	30.7	23.5	21.3	5.2	6.6
12:00	274.0	274.8	263.5	268.9	31.8	24.1	20.4	5.5	7.4
13:00	266.7	268.9	258.8	263.3	27.3	23.3	21.3	6.6	8.6
14:00	254.9	255.7	248.3	250.5	26.1	21.3	18.7	10.7	14.4
15:00	274.2	274.9	267.6	268.8	26.0	21.7	19.1	10.4	14.0
16:00	272.0	272.7	263.4	266.6	28.8	22.7	18.6	10.3	13.8
17:00	260.8	262.3	253.0	256.7	25.7	20.1	17.3	9.7	12.6
18:00	293.0	296.0	281.2	288.5	36.1	26.3	24.0	6.4	9.0
19:00	303.3	307.1	286.1	297.9	43.4	34.0	27.4	4.0	6.1
20:00	293.6	299.6	275.4	291.4	39.5	29.9	24.4	4.2	6.1
21:00	279.6	284.0	267.6	277.8	25.3	20.2	16.0	5.6	8.0
22:00	331.5	328.3	318.5	318.8	38.8	24.9	21.2	2.2	4.0
23:00	309.4	307.5	295.2	299.4	55.6	39.6	30.0	2.7	4.4
Avg	264.0	263.0	255.0	258.0	31.7	23.1	18.4	.0	.0
Max	331.5	328.3	318.5	318.8	55.6	47.9	41.5	10.7	14.4
Hr. of Max	22	22	22	22	23	01	04	14	14
Min	227.8	225.0	216.6	221.8	13.4	6.6	3.8	.6	1.4
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)

3/18/2017

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	7.7	2.4	5.0	8.0	3.0	8.7	1.7	.2	.01
01:00	4.5	2.0	2.8	4.8	2.4	5.0	.1	.2	-.03
02:00	6.0	2.3	4.2	6.3	2.6	6.6	.3	-.7	-.05
03:00	4.6	1.7	3.4	4.9	2.0	5.2	.1	-.9	-.03
04:00	2.2	1.3	1.9	2.5	1.7	2.8	1.4	-.7	-.02
05:00	3.6	.8	2.4	3.8	1.5	4.0	3.2	-.2	.06
06:00	4.3	1.7	3.0	4.4	2.1	4.6	1.4	.3	.03
07:00	7.8	3.5	6.0	7.8	3.8	8.1	.7	.1	.00
08:00	6.8	3.4	5.3	6.9	3.8	7.2	.2	-.3	-.05
09:00	5.8	4.0	5.0	5.9	4.4	6.2	1.5	-.9	.01
10:00	5.7	4.1	5.0	6.0	4.6	6.4	2.7	-.1	.11
11:00	7.6	5.9	7.2	8.2	6.4	8.8	1.3	-2.9	-.06
12:00	9.2	6.1	8.0	9.7	6.8	10.1	-1.2	-1.8	-.45
13:00	9.7	7.5	9.3	10.5	7.9	11.1	-2.0	-2.0	-.48
14:00	17.2	11.7	15.4	18.2	12.7	19.1	-.3	-1.7	-.51
15:00	16.4	11.5	15.0	17.2	11.9	17.9	-.2	-1.5	-.50
16:00	16.8	11.4	14.8	17.6	12.2	18.3	-1.8	-1.8	-.73
17:00	14.8	10.5	13.4	15.5	11.3	16.3	-.3	-.9	-.50
18:00	10.6	7.5	9.8	11.4	8.1	12.0	-.8	-2.2	-.39
19:00	8.5	4.9	7.0	9.2	5.5	9.9	-1.0	-1.4	-.39
20:00	8.0	5.0	6.8	8.7	5.6	9.2	-.1	-.7	-.22
21:00	10.5	6.1	8.5	10.8	6.4	11.1	1.0	-2.4	-.19
22:00	5.4	2.9	4.8	6.3	3.3	6.8	-.2	-1.1	-.22
23:00	6.1	3.6	5.2	6.9	4.2	7.4	1.2	-.7	-.18
Avg	.0	5.1	7.1	8.8	5.6	9.3	.4	-1.0	-.20
Max	17.2	11.7	15.4	18.2	12.7	19.1	3.2	.3	.11
Hr. of Max	14	14	14	14	14	14	05	06	10
Min	2.2	.8	1.9	2.5	1.5	2.8	-2.0	-2.9	-.73
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/18/2017

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	-.07	12.8	16.5	17.4	15.5	8.0	12.9	13.9
01:00	-.02	7.6	11.7	13.5	7.1	5.3	11.7	12.5
02:00	-.09	6.4	8.2	19.2	10.4	5.3	11.9	12.0
03:00	-.08	5.5	8.2	8.7	11.1	4.6	11.9	11.8
04:00	-.02	6.0	9.6	7.3	13.7	12.3	11.8	11.5
05:00	-.03	3.2	7.3	10.3	11.6	5.6	11.8	11.3
06:00	.01	3.7	6.0	9.4	7.1	4.7	11.7	11.4
07:00	.01	6.4	9.2	11.0	9.6	2.8	11.8	11.5
08:00	-.07	7.1	10.5	12.6	10.2	5.0	12.2	11.8
09:00	-.17	11.2	14.9	14.0	14.9	9.0	12.4	11.8
10:00	-.12	10.3	10.8	12.4	16.0	12.1	13.9	13.2
11:00	-.65	13.5	13.7	16.9	18.6	14.0	15.7	14.9
12:00	-.62	21.5	22.2	29.3	18.7	14.4	16.6	15.9
13:00	-.68	22.4	21.3	24.7	16.6	13.8	16.9	16.0
14:00	-.92	30.2	33.9	37.8	16.5	11.7	18.4	17.4
15:00	-.94	30.7	42.6	46.3	17.0	13.4	18.7	17.7
16:00	-1.13	31.6	50.1	49.2	17.1	13.7	18.3	17.4
17:00	-.64	27.0	29.5	30.0	17.2	12.1	17.5	16.7
18:00	-1.13	28.4	23.4	33.2	20.4	18.2	16.2	15.5
19:00	-.97	20.2	21.5	27.2	22.9	20.1	14.0	13.4
20:00	-.66	16.5	19.2	21.3	21.5	18.4	12.1	11.6
21:00	-.73	23.1	34.1	33.7	18.1	12.2	11.1	10.6
22:00	-.31	13.5	13.7	15.1	21.3	13.3	10.4	9.9
23:00	-.56	15.3	17.4	18.3	23.2	20.0	9.6	9.0
Avg	-.44	15.6	19.0	21.6	15.7	11.3	13.7	13.3
Max	.01	31.6	50.1	49.2	23.2	20.1	18.7	17.7
Hr. of Max	07	16	16	16	23	19	15	15
Min	-1.13	3.2	6.0	7.3	7.1	2.8	9.6	9.0
Count	24	24	24	24	24	24	24	24
Total								