Date Printed: 07/07/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2017

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	20.1	20.7	21.0	21.3	.59	.90	1.14	.31	.55
01:00	20.0	20.5	20.8	21.0	.54	.79	1.00	.25	.46
02:00	19.8	20.4	20.6	20.7	.55	.72	.88	.18	.33
03:00	20.1	20.1	20.1	20.2	-.01	-.04	.04	-.03	.05
04:00	20.2	20.0	20.0	20.0	-.11	-.16	-.14	-.05	-.03
05:00	20.3	20.2	20.2	20.2	-.10	-.12	-.08	-.03	.02
06:00	20.4	20.4	20.3	20.4	-.03	-.08	-.04	-.05	-.01
07:00	20.8	20.6	20.5	20.5	-.17	-.25	-.25	-.08	-.08
08:00	21.3	21.1	21.0	20.9	-.19	-.37	-.42	-.18	-.23
09:00	22.7	22.4	22.1	22.0	-.36	-.66	-.77	-.30	-.41
10:00	24.0	23.5	23.2	23.0	-.49	-.80	-.94	-.32	-.45
11:00	25.8	25.1	24.8	24.6	-.67	-1.03	-1.19	-.36	-.52
12:00	26.8	26.2	25.9	25.8	-.62	-.93	-1.06	-.32	-.44
13:00	24.2	23.9	23.7	23.7	-.36	-.55	-.58	-.19	-.22
14:00	22.2	21.7	21.5	21.4	-.45	-.63	-.73	-.19	-.28
15:00	25.5	24.8	24.5	24.4	-.77	-1.04	-1.16	-.28	-.39
16:00	28.1	27.4	27.0	26.9	-.76	-1.12	-1.25	-.36	-.49
17:00	28.9	28.5	28.3	28.2	-.40	-.67	-.76	-.26	-.35
18:00	27.2	27.2	27.2	27.3	.00	-.06	.03	-.06	.03
19:00	26.5	26.4	26.2	26.2	-.14	-.28	-.26	-.14	-.12
20:00	25.4	25.4	25.4	25.5	.04	-.01	.09	-.05	.04
21:00	23.9	23.9	23.8	23.9	.05	-.03	.05	-.08	.00
22:00	22.0	22.2	22.7	23.1	.18	.68	1.05	.50	.88
23:00	21.6	22.2	22.6	23.1	.59	1.02	1.43	.43	.84
Avg	23.2	23.1	23.1	23.1	-.13	-.20	-.16	-.07	-.03
Max	28.9	28.5	28.3	28.2	.59	1.02	1.43	.50	.88
Hr. of Max	17	17	17	17	23	23	23	22	22
Min	19.8	20.0	20.0	20.0	-.77	-1.12	-1.25	-.36	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2017

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	19.4	20.4	19.7	24.6	98.0	100.3	16.7	17.7	0.014549
01:00	19.3	20.3	19.5	24.4	98.0	101.2	16.6	17.6	0.014414
02:00	19.1	20.2	19.4	24.3	98.0	101.4	16.4	17.5	0.014296
03:00	19.4	20.0	19.7	24.1	98.0	101.5	16.7	17.3	0.014564
04:00	19.5	19.9	19.7	24.0	98.0	101.5	16.7	17.2	0.014592
05:00	19.6	20.0	19.8	23.9	98.1	101.5	16.9	17.3	0.014713
06:00	19.7	20.2	19.9	23.8	98.1	101.5	17.0	17.5	0.014816
07:00	20.1	20.5	20.3	23.7	98.1	101.5	17.4	17.8	0.015182
08:00	20.6	21.0	20.9	23.6	98.1	101.4	17.9	18.3	0.015688
09:00	21.2	21.5	21.7	23.6	93.7	97.7	18.5	18.9	0.016313
10:00	21.2	21.2	22.2	23.6	87.1	89.5	18.5	18.5	0.016349
11:00	21.0	20.6	22.6	23.6	76.9	78.4	18.1	17.8	0.016099
12:00	21.2	20.9	23.1	23.8	73.4	74.7	18.3	18.0	0.016328
13:00	20.3	20.4	21.6	24.1	81.5	83.9	17.4	17.6	0.015439
14:00	20.9	20.8	21.3	24.4	95.1	97.0	18.2	18.1	0.01602
15:00	22.0	21.3	23.2	24.5	83.1	83.3	19.2	18.5	0.017164
16:00	21.8	21.0	23.9	24.5	70.5	70.4	18.9	18.1	0.016995
17:00	21.5	21.2	24.0	24.7	66.1	66.5	18.5	18.2	0.016692
18:00	21.8	21.8	23.6	24.8	74.4	74.2	18.9	18.9	0.017022
19:00	21.8	21.9	23.4	24.9	77.9	78.9	19.0	19.1	0.01705
20:00	22.0	22.2	23.1	24.9	84.1	85.0	19.3	19.6	0.017241
21:00	21.1	21.4	22.1	24.9	87.0	88.1	18.4	18.7	0.016298
22:00	20.9	21.4	21.3	24.9	95.8	97.7	18.2	18.7	0.016016
23:00	20.9	21.6	21.1	24.8	98.0	99.1	18.2	19.0	0.016004
Avg	20.7	20.9	21.5	24.3	88.6	90.7	17.9	18.2	0.015827
Max	22.0	22.2	24.0	24.9	98.1	101.5	19.3	19.6	0.017241
Hr. of Max	20	20	17	22	08	07	20	20	20
Min	19.1	19.9	19.4	23.6	66.1	66.5	16.4	17.2	0.014296
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)

7/6/2017

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	0.015453	22.6	24.0	.00	29.21	989.3	-2.4	.00	237.7
01:00	0.015401	22.4	23.9	.00	29.21	989.2	-2.8	.00	105.4
02:00	0.015312	22.2	23.8	.00	29.20	988.9	-2.0	.00	73.1
03:00	0.015086	22.6	23.4	.00	29.20	988.7	-1.8	.00	231.3
04:00	0.015015	22.7	23.3	.00	29.20	988.7	-2.7	.00	128.1
05:00	0.01513	22.9	23.5	.00	29.21	989.0	-3.1	.00	250.8
06:00	0.015305	23.0	23.7	.00	29.20	988.9	5.5	.01	89.2
07:00	0.015544	23.6	24.1	.00	29.21	989.0	90.6	.13	184.3
08:00	0.016034	24.3	24.9	.00	29.22	989.6	131.1	.19	196.5
09:00	0.016639	25.3	25.8	.00	29.22	989.7	223.0	.32	217.9
10:00	0.016307	25.3	25.3	.00	29.22	989.5	398.9	.57	210.4
11:00	0.015759	25.0	24.4	.00	29.21	989.2	626.8	.90	208.7
12:00	0.016034	25.3	24.8	.00	29.20	988.8	606.4	.87	202.7
13:00	0.01553	23.9	24.1	.25	29.19	988.7	265.8	.38	201.4
14:00	0.015895	24.8	24.6	.00	29.18	988.1	367.7	.53	194.3
15:00	0.016432	26.5	25.4	.00	29.16	987.4	761.5	1.09	222.4
16:00	0.016218	26.2	25.1	.00	29.13	986.6	591.4	.85	221.8
17:00	0.016411	25.8	25.3	.00	29.11	985.9	357.9	.51	220.2
18:00	0.01698	26.2	26.2	.00	29.10	985.4	95.4	.14	232.5
19:00	0.017148	26.3	26.4	.00	29.10	985.5	115.1	.16	227.3
20:00	0.017474	26.6	26.9	.00	29.12	986.1	23.6	.03	215.8
21:00	0.016559	25.2	25.6	.00	29.12	986.2	-2.5	.00	259.9
22:00	0.016513	24.8	25.5	.00	29.13	986.6	-2.1	.00	25.8
23:00	0.01677	24.8	25.9	.00	29.14	986.7	-2.5	.00	249.2
Avg	0.01604	24.5	24.8	.01	29.17	988.0	193.3	.28	208.0
Max	0.017474	26.6	26.9	.25	29.22	989.7	761.5	1.09	259.9
Hr. of Max	20	20	20	13	10	09	15	15	21
Min	0.015015	22.2	23.3	.00	29.10	985.4	-3.1	.00	25.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2017

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	239.0	255.6	249.3	250.5	50.4	22.2	14.6	.9	1.9
01:00	148.1	327.5	270.5	328.9	22.3	27.1	46.9	.2	.7
02:00	332.2	125.6	263.7	129.5	41.6	30.4	26.4	.5	.3
03:00	254.9	221.2	257.6	217.0	61.1	14.5	14.1	.7	1.5
04:00	243.8	213.8	249.5	211.1	47.2	19.6	13.0	.1	.7
05:00	259.5	250.0	254.3	245.4	38.4	21.4	15.2	1.7	3.2
06:00	192.7	185.5	235.6 +	182.4	57.1	30.6	29.2	.3	.4
07:00	232.9	222.9	225.8	218.6	41.6	29.2	23.1	1.1	1.6
08:00	213.2	207.0	205.3	202.7	29.7	19.2	16.9	2.5	3.5
09:00	233.8	232.8	227.1	226.9	40.5	25.7	19.0	1.7	2.6
10:00	224.4	224.3	215.9	219.8	30.1	19.7	16.9	3.2	4.3
11:00	220.0	217.0	211.2	212.7	25.7	19.8	16.9	4.5	5.9
12:00	213.5	211.9	204.1	207.5	23.4	19.0	15.5	5.0	6.6
13:00	219.9	219.3	207.3	215.4	38.8	22.2	17.7	4.9	6.8
14:00	217.6	211.8	207.2	206.7	37.7	29.9	26.0	1.9	3.0
15:00	235.2	225.4	229.5	221.1	37.7	25.2	25.5	3.0	4.1
16:00	231.9	230.4	224.1	226.4	30.8	21.8	15.6	4.9	6.5
17:00	224.2	221.9	220.9	217.9	25.6	17.5	13.7	6.4	9.6
18:00	235.1	228.9	233.1	224.9	28.5	17.1	12.0	3.8	7.0
19:00	232.9	227.4	227.8	223.4	28.1	15.8	10.8	3.4	5.8
20:00	222.4	218.4	218.1	214.2	25.0	14.4	10.3	3.2	5.8
21:00	271.1	268.4	261.2	262.8	58.5	33.7	24.1	2.3	4.0
22:00	239.3	244.6	276.7	239.8	48.8	44.6	36.4	.4	.8
23:00	244.9	225.3	248.2	221.4	19.8	8.3	5.9	1.6	3.2
Avg	231.0	225.0	234.0	221.0	37.0	22.9	19.4	.0	.0
Max	332.2	327.5	276.7	328.9	61.1	44.6	46.9	6.4	9.6
Hr. of Max	02	01	22	01	03	22	01	17	17
Min	148.1	125.6	204.1	129.5	19.8	8.3	5.9	.1	.3
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)

7/6/2017

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	3.0	1.3	2.3	3.3	1.7	3.4	-.9	1.8	-.03
01:00	.3	.3	1.2	1.4	1.0	1.7	2.4	.9	.04
02:00	.3	.6	.6	.5	1.3	.9	.8	-1.0	.00
03:00	1.0	.7	1.5	1.1	1.4	1.4	-.4	-3.1	-.02
04:00	1.0	.1	.7	1.1	.9	1.4	2.7	-2.5	.04
05:00	3.7	2.2	3.6	4.2	2.6	4.4	-1.3	-2.3	-.14
06:00	.9	.6	1.0	1.4	1.2	1.7	2.3	-.7	.06
07:00	2.1	1.2	1.7	2.2	1.8	2.5	-3.4	-2.9	-.11
08:00	4.2	2.8	3.8	4.4	3.2	4.7	-.3	-3.1	-.10
09:00	3.5	2.1	2.8	3.7	2.5	4.0	6.5	-1.7	.17
10:00	4.9	3.5	4.5	5.1	4.0	5.5	1.8	-1.4	.01
11:00	6.8	5.0	6.3	7.2	5.6	7.7	-1.6	-3.9	-.29
12:00	7.6	5.7	7.1	8.1	6.3	8.6	-.6	-3.2	-.18
13:00	8.8	5.5	7.4	9.4	6.3	9.9	.5	-.3	-.14
14:00	4.3	2.2	3.2	4.5	2.7	4.9	6.8	-2.9	.20
15:00	4.5	3.4	4.3	4.8	3.9	5.4	-1.6	-3.0	-.21
16:00	7.8	5.5	6.9	8.0	6.2	8.7	1.4	-.3	-.13
17:00	12.0	7.1	10.1	12.4	7.8	13.2	.1	-1.5	-.28
18:00	9.6	4.3	7.3	9.8	4.8	10.4	2.0	.0	.00
19:00	7.9	3.7	6.0	8.1	4.1	8.6	-.2	-.6	-.13
20:00	8.2	3.4	6.0	8.4	4.0	8.9	1.9	-.1	.01
21:00	5.8	3.5	5.4	7.8	4.0	8.0	-.9	1.3	-.23
22:00	2.2	.5	1.0	2.3	1.0	2.6	2.2	-.9	.02
23:00	5.0	1.8	3.3	5.1	2.2	5.4	-.9	-.3	-.04
Avg	.0	2.8	4.1	5.2	3.4	5.6	.8	-1.3	-.06
Max	12.0	7.1	10.1	12.4	7.8	13.2	6.8	1.8	.20
Hr. of Max	17	17	17	17	17	17	14	00	14
Min	.3	.1	.6	.5	.9	.9	-3.4	-3.9	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2017

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	.09	3.7	5.5	7.3	10.1	6.1	22.2	22.6
01:00	.02	1.8	3.0	7.1	11.9	14.2	21.9	22.2
02:00	-.02	2.7	2.3	2.1	7.4	9.1	21.8	21.9
03:00	-.07	2.5	3.0	2.1	10.8	6.5	21.5	21.3
04:00	-.07	2.7	2.7	3.0	17.2	11.4	21.4	21.1
05:00	-.22	12.6	14.9	16.3	16.1	7.6	21.7	21.3
06:00	-.02	3.0	3.4	5.3	15.2	12.2	21.9	21.5
07:00	-.18	5.3	5.5	6.0	18.3	17.4	22.2	21.7
08:00	-.29	6.0	8.9	10.1	16.5	8.6	22.8	22.2
09:00	-.24	7.1	9.8	10.8	23.3	15.7	24.0	23.3
10:00	-.23	11.0	12.4	11.9	20.0	14.2	25.0	24.3
11:00	-.59	12.6	13.5	13.7	16.4	11.6	26.5	25.7
12:00	-.58	11.9	12.4	18.1	15.9	11.9	27.6	26.8
13:00	-.14	43.1	48.3	49.2	16.4	11.0	25.4	24.8
14:00	-.22	8.7	9.8	12.1	26.1	15.1	23.4	22.7
15:00	-.43	11.0	11.9	12.1	20.3	19.0	26.3	25.6
16:00	-.21	14.7	15.1	17.4	19.1	12.8	28.7	27.9
17:00	-.52	21.1	21.8	25.2	17.4	10.0	29.9	29.2
18:00	-.09	16.0	16.5	17.4	17.0	7.9	28.9	28.5
19:00	-.15	9.6	13.5	17.6	16.3	6.9	28.0	27.5
20:00	-.09	12.1	13.7	15.6	15.6	7.1	27.2	26.9
21:00	-.01	13.1	17.9	18.5	19.0	10.4	25.6	25.3
22:00	-.06	2.7	3.2	6.0	12.5	12.8	23.8	24.4
23:00	-.03	3.7	4.8	8.0	6.3	2.5	23.8	24.4
Avg	-.18	9.9	11.4	13.0	16.0	10.9	24.6	24.3
Max	.09	43.1	48.3	49.2	26.1	19.0	29.9	29.2
Hr. of Max	00	13	13	13	14	15	17	17
Min	-.59	1.8	2.3	2.1	6.3	2.5	21.4	21.1
Count	24	24	24	24	24	24	24	24
Total								