Date Printed: 01/03/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/2/2017

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	8.7	8.9	9.0	9.0	.26	.31	.34	.05	.07
01:00	8.8	9.0	9.1	9.1	.27	.28	.31	.01	.04
02:00	9.0	9.2	9.2	9.2	.21	.22	.25	.01	.04
03:00	9.1	9.2	9.2	9.2	.15	.12	.12	-.03	-.03
04:00	9.1	9.3	9.3	9.3	.22	.22	.22	.00	.00
05:00	9.2	9.3	9.2	9.3	.11	.07	.11	-.04	.00
06:00	9.3	9.4	9.4	9.4	.16	.16	.19	-.01	.02
07:00	9.3	9.5	9.5	9.6	.17	.18	.30	.02	.13
08:00	9.6	9.7	9.7	9.8	.15	.15	.20	.00	.05
09:00	10.6	10.5	10.4	10.3	-.07	-.21	-.29	-.14	-.22
10:00	12.0	11.7	11.5	11.4	-.29	-.50	-.62	-.21	-.32
11:00	13.3	13.1	12.9	12.7	-.27	-.49	-.61	-.22	-.33
12:00	14.0	13.8	13.6	13.5	-.25	-.46	-.59	-.22	-.34
13:00	14.4	14.2	13.9	13.8	-.21	-.45	-.56	-.25	-.36
14:00	14.4	14.3	14.1	14.0	-.11	-.31	-.43	-.21	-.32
15:00	14.9	14.7	14.5	14.4	-.12	-.34	-.45	-.22	-.33
16:00	14.7	14.8	14.6	14.5	.07	-.08	-.16	-.15	-.23
17:00	14.1	14.3	14.2	14.1	.18	.06	-.02	-.12	-.20
18:00	13.3	13.6	13.6	13.5	.31	.25	.20	-.06	-.11
19:00	12.7	13.3	13.3	13.3	.58	.59	.62	.01	.03
20:00	12.4	13.1	13.2	13.3	.67	.82	.89	.15	.22
21:00	12.0	12.8	13.0	13.3	.84	1.05	1.31	.21	.48
22:00	12.3	13.2	13.4	13.6	.88	1.09	1.27	.21	.39
23:00	14.0	14.6	14.6	14.6	.61	.62	.64	.01	.03
Avg	11.7	11.9	11.9	11.8	.19	.14	.14	-.05	-.05
Max	14.9	14.8	14.6	14.6	.88	1.09	1.31	.21	.48
Hr. of Max	15	16	23	23	22	22	21	22	21
Min	8.7	8.9	9.0	9.0	-.29	-.50	-.62	-.25	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/2/2017

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	8.1	8.6	8.3	7.9	97.0	99.1	8.3	8.6	0.006865
01:00	8.2	8.7	8.4	8.0	97.1	99.1	8.4	8.7	0.006915
02:00	8.4	8.9	8.6	8.0	97.1	99.1	8.5	8.7	0.007007
03:00	8.5	8.9	8.7	8.1	97.2	99.2	8.5	8.8	0.007057
04:00	8.5	9.0	8.7	8.1	97.2	99.2	8.5	8.8	0.007077
05:00	8.6	9.0	8.8	8.2	97.3	99.1	8.6	8.8	0.007104
06:00	8.7	9.1	8.9	8.2	97.3	99.2	8.6	8.9	0.007157
07:00	8.8	9.2	8.9	8.2	97.3	99.2	8.7	8.9	0.007189
08:00	9.0	9.4	9.2	8.3	97.4	99.2	8.8	9.0	0.007303
09:00	10.1	10.1	10.2	8.3	97.8	98.8	9.4	9.5	0.007856
10:00	11.4	11.0	11.6	8.4	97.4	96.2	10.3	10.0	0.008614
11:00	11.7	11.5	12.2	8.6	91.0	91.4	10.4	10.3	0.008767
12:00	11.9	11.6	12.6	8.9	88.4	87.6	10.6	10.3	0.008929
13:00	12.2	11.9	12.9	9.1	87.9	87.6	10.7	10.6	0.009089
14:00	12.2	12.1	12.9	9.4	87.7	87.6	10.7	10.6	0.009106
15:00	12.3	12.2	13.2	9.6	86.2	86.0	10.8	10.7	0.009208
16:00	12.6	12.4	13.3	9.8	88.6	87.1	11.0	10.9	0.009371
17:00	12.6	12.6	13.1	10.0	91.8	90.9	11.0	11.0	0.009374
18:00	12.5	12.7	12.8	10.1	96.2	95.4	11.0	11.1	0.009303
19:00	12.1	12.7	12.3	10.1	97.6	97.5	10.7	11.1	0.009089
20:00	11.8	12.6	12.0	10.1	97.5	98.4	10.5	11.1	0.008913
21:00	11.4	12.4	11.6	10.1	97.5	98.9	10.3	10.9	0.008646
22:00	11.7	12.8	11.9	10.1	97.4	99.1	10.5	11.2	0.008852
23:00	13.4	13.6	13.6	10.1	97.6	95.4	11.6	11.8	0.009913
Avg	10.7	11.0	11.0	9.0	94.8	95.4	9.9	10.0	0.008279
Max	13.4	13.6	13.6	10.1	97.8	99.2	11.6	11.8	0.009913
Hr. of Max	23	23	23	23	09	08	23	23	23
Min	8.1	8.6	8.3	7.9	86.2	86.0	8.3	8.6	0.006865
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/2/2017

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	0.007137	10.8	11.2	.01	29.18	988.3	-3.5	-.01	64.0
01:00	0.007188	10.9	11.3	.03	29.19	988.4	-2.0	.00	83.9
02:00	0.007254	11.0	11.4	.06	29.19	988.7	-2.6	.00	87.8
03:00	0.007273	11.1	11.4	.10	29.20	989.0	-.7	.00	71.0
04:00	0.00733	11.1	11.5	.01	29.20	988.8	-2.4	.00	103.6
05:00	0.007294	11.2	11.5	.00	29.21	989.1	-1.8	.00	169.5
06:00	0.007374	11.3	11.6	.05	29.22	989.4	-2.2	.00	160.1
07:00	0.007408	11.3	11.6	.00	29.22	989.5	-2.2	.00	94.3
08:00	0.007511	11.5	11.8	.04	29.23	989.7	42.3	.06	60.8
09:00	0.007899	12.4	12.4	.02	29.24	990.3	91.9	.13	100.9
10:00	0.008342	13.5	13.1	.02	29.25	990.6	310.7	.45	91.3
11:00	0.00865	13.8	13.6	.01	29.24	990.1	269.7	.39	7.4
12:00	0.008713	14.0	13.7	.00	29.20	989.0	233.6	.33	120.9
13:00	0.008934	14.2	14.0	.00	29.18	988.1	160.7	.23	161.8
14:00	0.009028	14.2	14.1	.00	29.14	987.0	97.9	.14	148.5
15:00	0.009114	14.4	14.2	.00	29.10	985.6	108.8	.16	64.1
16:00	0.009261	14.6	14.5	.00	29.09	985.1	36.3	.05	82.7
17:00	0.009388	14.6	14.6	.00	29.08	984.8	2.6	.00	75.9
18:00	0.009411	14.5	14.7	.00	29.06	984.2	-2.2	.00	60.3
19:00	0.009438	14.2	14.7	.00	29.05	983.7	-2.6	.00	62.9
20:00	0.009398	13.9	14.6	.00	29.04	983.4	-2.3	.00	214.1
21:00	0.009268	13.5	14.4	.00	29.06	984.0	-2.1	.00	229.0
22:00	0.009535	13.8	14.8	.00	29.02	982.9	-2.4	.00	293.6
23:00	0.010068	15.4	15.6	.01	28.94	980.0	-2.1	.00	75.5
Avg	0.008426	13.0	13.2	.02	29.15	987.1	55.1	.08	95.0
Max	0.010068	15.4	15.6	.10	29.25	990.6	310.7	.45	293.6
Hr. of Max	23	23	23	03	10	10	10	10	22
Min	0.007137	10.8	11.2	.00	28.94	980.0	-3.5	-.01	7.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/2/2017

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	57.9	60.6	49.2	49.5	25.5	21.4	20.0	.7	1.5
01:00	339.7	3.2	312.2	351.6	52.4	49.5	34.5	.1	1.1
02:00	62.4	58.9	81.9	47.6	47.6	44.3	12.1	.9	1.8
03:00	77.3	78.5	47.6	67.6	22.5	20.5	12.5	.6	1.4
04:00	78.6	63.1	309.0	53.8	46.1	49.1	22.6	.2	.7
05:00	270.3	137.9	239.2	126.4	27.3	39.5	34.7	.7	.9
06:00	307.7	311.3	268.5	289.3	56.5	57.5	60.5	.4	.6
07:00	294.0	29.3	254.5	14.9	52.5	39.8	20.5	.1	.4
08:00	35.1	33.8	35.6	22.3	17.4	16.9	15.1	.8	1.4
09:00	3.5	18.7	114.0	7.8	40.2	48.9	35.6	.4	.7
10:00	76.4	58.9	90.3	50.6	29.0	29.4	26.8	2.1	2.1
11:00	356.7	3.4	334.5	351.2	43.7	43.9	41.8	.9	1.2
12:00	127.7	129.5	129.1	117.7	24.1	28.2	21.5	1.4	1.3
13:00	177.0	172.6	175.0	165.3	21.4	21.8	20.0	1.4	1.7
14:00	173.3	161.1	163.5	155.6	28.6	30.2	21.6	1.2	1.4
15:00	53.6	53.7	49.8	46.2	39.2	34.8	20.2	1.6	2.6
16:00	74.4	71.1	75.5	61.9	26.5	17.5	13.1	2.8	4.6
17:00	74.5	71.6	70.2	62.8	19.9	14.6	9.6	3.6	6.1
18:00	54.6	56.7	53.8	46.9	36.2	21.8	14.7	2.1	4.5
19:00	57.6	60.4	48.9	50.7	38.9	26.2	15.6	1.7	3.7
20:00	227.1	183.2	233.8	174.8	66.2	62.2	62.7	1.0	.7
21:00	236.6	226.1	234.7	221.9	29.2	16.3	12.1	1.9	3.0
22:00	212.8	189.9	291.8	184.8	44.2	54.5	22.9	.6	1.6
23:00	106.7	116.5	59.4	108.2	42.8	31.6	21.4	2.9	4.6
Avg	59.0	73.0	53.0	63.0	36.6	34.2	24.7	.0	.0
Max	356.7	311.3	334.5	351.6	66.2	62.2	62.7	3.6	6.1
Hr. of Max	11	06	11	01	20	20	20	17	17
Min	3.5	3.2	35.6	7.8	17.4	14.6	9.6	.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)

1/2/2017

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	2.2	1.4	2.5	2.8	1.7	3.1	-.5	-1.4	-.03
01:00	1.8	1.5	2.2	2.7	1.8	2.9	-1.3	.1	-.05
02:00	2.9	1.3	2.4	3.1	1.8	3.4	-.3	-2.5	-.04
03:00	2.1	.7	1.7	2.3	1.0	2.5	-2.0	-.2	-.06
04:00	1.2	.7	1.2	1.5	1.2	1.8	1.5	-.8	.02
05:00	.4	.7	1.0	.7	1.2	1.1	.4	.4	.01
06:00	.2	1.4	1.8	1.9	1.9	2.2	.2	3.1	.01
07:00	.5	.4	.8	.9	1.0	1.2	1.4	.1	.02
08:00	1.9	.9	1.8	2.4	1.2	2.6	-.2	.3	-.02
09:00	1.4	.5	.9	1.6	1.0	1.9	-1.2	.8	-.01
10:00	2.1	2.3	2.3	2.4	2.7	2.7	-.6	5.0	-.06
11:00	1.4	1.2	1.5	1.6	1.6	2.2	-4.3	-9.1	-.18
12:00	1.3	1.5	1.5	1.5	2.0	2.0	-.6	-.1	.01
13:00	1.7	1.8	2.1	2.1	2.3	2.3	4.0	1.0	.13
14:00	2.0	1.9	2.3	2.8	2.3	3.1	3.2	-1.5	.09
15:00	3.3	1.9	2.8	3.5	2.2	3.8	.9	.4	-.10
16:00	5.7	3.0	4.8	5.9	3.5	6.2	2.2	2.0	.03
17:00	8.1	3.8	6.3	8.2	4.4	8.6	-.3	1.5	-.10
18:00	6.2	2.6	4.9	6.4	3.0	6.7	-2.1	.8	-.22
19:00	5.1	2.1	4.0	5.3	2.4	5.6	-1.2	-2.1	-.12
20:00	.6	2.7	3.4	2.9	3.1	3.2	-.6	-3.1	-.05
21:00	3.8	2.2	3.2	3.9	2.5	4.2	-.3	.5	-.01
22:00	3.6	1.6	2.0	3.9	2.0	4.3	-2.3	-1.9	-.11
23:00	6.1	4.1	6.1	7.8	4.8	8.2	-2.3	-2.2	-.32
Avg	.0	1.8	2.6	3.3	2.2	3.6	-.3	-.4	-.05
Max	8.1	4.1	6.3	8.2	4.8	8.6	4.0	5.0	.13
Hr. of Max	17	23	17	17	23	17	13	10	13
Min	.2	.4	.8	.7	1.0	1.1	-4.3	-9.1	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/2/2017

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	-.03	3.9	5.7	6.4	11.4	9.6	9.5	9.3
01:00	.03	6.6	11.7	12.6	14.2	9.2	9.6	9.4
02:00	-.13	4.8	6.6	6.0	10.2	7.0	9.7	9.5
03:00	-.04	3.0	3.9	4.4	15.7	7.8	9.8	9.5
04:00	-.04	3.2	4.1	6.4	12.1	7.3	9.9	9.6
05:00	.01	4.1	4.1	3.0	6.2	6.4	9.8	9.6
06:00	.09	4.8	4.6	4.6	14.3	12.2	10.0	9.8
07:00	.01	2.5	3.9	2.5	8.7	7.8	10.1	10.0
08:00	.04	2.7	4.4	5.0	12.3	6.7	10.3	10.1
09:00	.03	2.7	3.4	4.1	22.7	12.5	11.2	10.7
10:00	.17	5.3	5.0	5.0	19.6	21.6	12.5	11.9
11:00	-.34	4.1	4.8	5.7	27.7	28.4	13.9	13.2
12:00	.05	3.9	3.7	3.9	22.7	27.9	14.6	14.0
13:00	-.03	5.3	5.3	4.8	19.9	21.3	14.9	14.3
14:00	-.07	6.2	6.4	6.9	17.1	14.5	15.1	14.5
15:00	.00	5.5	6.4	7.3	23.2	17.0	15.6	14.9
16:00	.10	8.0	10.5	11.0	18.9	9.6	15.6	15.0
17:00	.17	9.6	11.7	14.7	15.6	8.1	15.1	14.6
18:00	.04	7.1	11.7	11.4	18.3	8.4	14.4	14.0
19:00	-.20	5.5	8.2	10.3	17.4	6.6	14.1	13.9
20:00	-.10	7.8	9.6	10.3	11.3	18.1	13.9	13.9
21:00	.03	4.8	7.6	7.6	6.7	6.8	13.6	13.8
22:00	-.23	5.7	8.2	13.5	14.1	15.3	14.0	14.2
23:00	-.28	19.5	25.9	30.5	21.6	13.5	15.5	15.2
Avg	-.03	5.7	7.4	8.2	15.9	12.7	12.6	12.3
Max	.17	19.5	25.9	30.5	27.7	28.4	15.6	15.2
Hr. of Max	17	23	23	23	11	11	16	23
Min	-.34	2.5	3.4	2.5	6.2	6.4	9.5	9.3
Count	24	24	24	24	24	24	24	24
Total								