Date Printed: 09/18/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2016

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	21.6	23.0	23.2	24.1	1.35	1.62	2.46	.27	1.12
01:00	20.5	21.9	22.7	23.9	1.36	2.19	3.43	.83	2.07
02:00	20.1	21.4	21.8	23.2	1.32	1.72	3.18	.40	1.85
03:00	19.3	20.8	21.5	22.9	1.48	2.20	3.61	.71	2.12
04:00	18.9	19.8	21.3	22.8	.89	2.41	3.90	1.52	3.02
05:00	18.4	19.8	20.1	21.4	1.39	1.74	2.99	.35	1.60
06:00	18.1	19.5	20.0	21.2	1.38	1.92	3.13	.54	1.74
07:00	17.9	19.2	20.0	21.3	1.32	2.12	3.38	.80	2.06
08:00	20.3	20.5	21.5	22.0	.14	1.16	1.71	1.02	1.56
09:00	23.9	23.3	23.1	23.1	-.59	-.79	-.76	-.19	-.17
10:00	26.3	25.3	24.9	24.8	-.98	-1.33	-1.44	-.35	-.46
11:00	28.2	27.0	26.7	26.5	-1.17	-1.56	-1.72	-.39	-.55
12:00	29.4	28.2	27.8	27.6	-1.24	-1.66	-1.81	-.42	-.58
13:00	31.0	29.4	28.9	28.8	-1.60	-2.07	-2.17	-.47	-.57
14:00	31.3	29.9	29.5	29.4	-1.43	-1.83	-1.97	-.40	-.54
15:00	31.3	30.4	30.0	29.9	-.96	-1.28	-1.41	-.33	-.46
16:00	31.1	30.5	30.1	30.0	-.68	-1.00	-1.11	-.32	-.43
17:00	31.1	30.6	30.3	30.2	-.52	-.79	-.90	-.27	-.38
18:00	30.2	30.0	29.8	29.8	-.17	-.35	-.38	-.17	-.20
19:00	29.3	29.3	29.2	29.2	-.02	-.11	-.07	-.09	-.05
20:00	28.2	28.4	28.4	28.5	.13	.14	.24	.02	.12
21:00	26.6	27.6	27.7	27.8	.96	1.02	1.19	.06	.23
22:00	25.6	26.7	27.0	27.2	1.13	1.39	1.59	.26	.46
23:00	24.9	26.0	26.5	26.7	1.17	1.67	1.85	.50	.68
Avg	25.1	25.4	25.5	25.9	.19	.36	.79	.16	.59
Max	31.3	30.6	30.3	30.2	1.48	2.41	3.90	1.52	3.02
Hr. of Max	15	17	17	17	03	04	04	04	04
Min	17.9	19.2	20.0	21.2	-1.60	-2.07	-2.17	-.47	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2016

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	17.7	17.8	19.0	27.5	80.0	74.2	14.9	14.9	0.013025
01:00	17.3	17.7	18.4	27.3	83.7	78.7	14.6	14.9	0.012734
02:00	17.3	17.9	18.2	27.1	85.7	82.4	14.6	15.1	0.012698
03:00	17.0	18.0	17.8	26.8	88.2	85.7	14.4	15.2	0.01247
04:00	17.0	17.8	17.6	26.6	90.4	90.2	14.4	15.1	0.01243
05:00	16.7	17.8	17.2	26.4	91.5	90.4	14.1	15.1	0.012204
06:00	16.5	17.9	17.0	26.2	92.1	92.7	14.0	15.3	0.012057
07:00	16.4	18.0	16.9	26.0	92.6	94.4	13.9	15.3	0.011962
08:00	17.7	17.7	18.5	25.8	86.5	85.8	15.0	15.0	0.013005
09:00	17.7	17.2	19.8	25.6	70.4	70.4	14.9	14.4	0.013076
10:00	16.7	16.4	19.9	25.5	57.1	59.1	13.9	13.6	0.012279
11:00	15.4	15.2	19.7	25.6	46.9	49.7	12.7	12.6	0.011315
12:00	14.3	14.3	19.3	25.8	40.8	43.7	11.8	11.8	0.010547
13:00	14.0	14.0	19.6	26.3	36.6	40.2	11.6	11.6	0.010385
14:00	14.0	14.3	19.8	26.8	36.0	39.6	11.6	11.8	0.010415
15:00	14.2	14.3	19.9	27.3	36.6	38.7	11.8	11.8	0.010592
16:00	14.5	14.5	20.1	27.7	37.6	38.9	12.0	11.9	0.010773
17:00	14.5	14.4	20.0	27.8	37.7	38.5	11.9	11.9	0.010772
18:00	15.0	14.9	20.1	27.9	40.9	41.0	12.3	12.3	0.011097
19:00	15.3	15.2	20.0	28.0	43.9	43.6	12.6	12.5	0.011303
20:00	15.7	15.6	19.9	27.9	47.9	47.0	13.0	12.9	0.011606
21:00	16.5	15.8	19.9	27.8	55.4	49.9	13.7	13.1	0.012205
22:00	17.1	16.1	19.9	27.6	60.8	53.6	14.2	13.4	0.012615
23:00	17.4	16.5	19.9	27.5	64.7	57.0	14.5	13.7	0.012834
Avg	16.1	16.2	19.1	26.9	62.7	61.9	13.4	13.6	0.01185
Max	17.7	18.0	20.1	28.0	92.6	94.4	15.0	15.3	0.013076
Hr. of Max	09	07	18	19	07	07	08	07	09
Min	14.0	14.0	16.9	25.5	36.0	38.5	11.6	11.6	0.010385
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)

9/17/2016

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	0.013115	20.3	20.4	.00	29.20	988.8	-2.1	.00	22.7
01:00	0.01302	19.8	20.3	.00	29.20	988.8	-1.7	.00	297.1
02:00	0.01323	19.8	20.6	.00	29.20	988.7	-2.9	.00	44.1
03:00	0.013283	19.4	20.7	.00	29.20	988.8	-2.7	.00	268.3
04:00	0.013105	19.4	20.4	.00	29.20	988.9	-2.6	.00	261.1
05:00	0.013148	19.0	20.5	.00	29.20	988.9	-1.7	.00	29.9
06:00	0.013232	18.8	20.6	.00	29.21	989.3	-2.0	.00	21.2
07:00	0.013247	18.7	20.6	.00	29.22	989.6	21.7	.03	268.1
08:00	0.012996	20.3	20.3	.00	29.23	990.0	179.5	.26	229.6
09:00	0.012631	20.4	19.7	.00	29.23	990.0	385.4	.55	221.4
10:00	0.012	19.2	18.7	.00	29.23	990.0	540.3	.77	223.5
11:00	0.011187	17.7	17.5	.00	29.23	989.8	725.4	1.04	191.3
12:00	0.01053	16.5	16.5	.00	29.21	989.1	744.4	1.07	187.3
13:00	0.010387	16.2	16.2	.00	29.18	988.1	869.9	1.25	207.3
14:00	0.010572	16.3	16.5	.00	29.15	987.1	761.7	1.09	188.8
15:00	0.010604	16.5	16.5	.00	29.12	986.3	441.4	.63	195.1
16:00	0.010726	16.8	16.7	.00	29.11	985.9	265.0	.38	214.8
17:00	0.01069	16.8	16.7	.00	29.10	985.5	195.8	.28	175.9
18:00	0.011025	17.3	17.2	.00	29.10	985.5	44.8	.06	202.4
19:00	0.011234	17.6	17.5	.00	29.11	985.8	5.6	.01	213.0
20:00	0.011491	18.1	17.9	.00	29.12	986.2	-2.4	.00	228.1
21:00	0.011632	19.0	18.1	.00	29.14	986.9	-1.9	.00	233.7
22:00	0.011888	19.6	18.5	.00	29.15	987.1	-2.3	.00	245.8
23:00	0.012122	20.0	18.9	.00	29.15	987.1	-2.7	.00	282.2
Avg	0.011962	18.5	18.6	.00	29.17	988.0	214.8	.31	230.0
Max	0.013283	20.4	20.7	.00	29.23	990.0	869.9	1.25	297.1
Hr. of Max	03	09	03	23	11	10	13	13	01
Min	0.010387	16.2	16.2	.00	29.10	985.5	-2.9	.00	21.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2016

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	55.1	47.3	28.6	17.6	40.5	22.7	37.6	.7	1.4
01:00	284.0	233.0	295.6	230.9	36.9	55.7	40.4	.6	.6
02:00	53.8	168.9	47.2	173.5	21.8	26.1	28.1	.7	1.5
03:00	344.1	255.3	259.2	254.5	11.9	44.1	23.9	.4	.3
04:00	256.7	225.4	254.3	220.3	16.3	14.6	4.1	.8	1.5
05:00	63.6	46.2	49.3	8.1	16.3	8.5	44.5	.3	1.4
06:00	34.5	39.0	24.9	12.8	25.7	15.6	22.6	.1	.9
07:00	253.7	208.5	268.6	235.3	21.8	24.2	28.7	.9	.8
08:00	241.3	243.6	233.3	236.9	17.2	11.1	8.3	1.9	3.3
09:00	235.7	235.6	227.3	229.1	19.4	15.5	12.5	4.5	6.2
10:00	231.9	228.2	228.0	221.5	26.5	21.5	16.3	4.9	6.7
11:00	200.5	199.7	197.8	192.7	38.0	31.0	25.2	4.9	6.8
12:00	198.0	197.9	193.0	190.8	34.0	29.0	24.3	6.1	7.9
13:00	211.6	206.9	213.2	200.2	26.4	24.3	22.7	7.1	8.7
14:00	194.5	191.8	194.2 +	185.2	38.5	33.2	28.5	5.1	7.0
15:00	202.3	198.0	198.0	191.5	40.9	36.7	32.9	3.8	4.9
16:00	216.5	213.4	220.4	206.9	24.7	17.6	15.1	5.3	7.1
17:00	183.5	184.2	183.1	177.5	33.3	28.7	25.2	3.3	4.3
18:00	209.7	205.0	208.2	198.9	25.0	18.8	14.0	3.6	5.3
19:00	212.0	202.0	218.6	195.2	20.5	14.9	11.3	3.2	5.3
20:00	223.4	213.8	233.5	207.5	20.2	11.9	10.3	2.8	5.2
21:00	229.4	218.0	237.5	211.9	15.4	10.9	8.5	1.8	3.3
22:00	237.1	221.4	250.0	215.8	15.4	7.6	6.9	1.8	3.2
23:00	221.7	207.9	260.0	202.7	44.5	18.6	11.1	.7	2.2
Avg	224.0	210.0	231.0	211.0	26.3	22.6	21.0	.0	.0
Max	344.1	255.3	295.6	254.5	44.5	55.7	44.5	7.1	8.7
Hr. of Max	03	03	01	03	23	01	05	13	13
Min	34.5	39.0	24.9	8.1	11.9	7.6	4.1	.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)

9/17/2016

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	.9	.8	1.5	1.0	1.1	1.4	2.7	-.7	.05
01:00	2.7	.8	.8	2.8	1.0	3.1	1.1	.1	.01
02:00	.9	.8	1.6	1.8	1.0	2.0	.6	.8	.01
03:00	1.5	.5	.6	2.0	.8	2.3	.2	-.6	.00
04:00	4.1	.9	1.8	4.2	1.2	4.4	-.7	.6	-.02
05:00	.7	.3	1.4	1.0	.6	1.3	3.1	.5	.04
06:00	.5	.5	1.1	1.2	.9	1.4	1.6	-2.0	.02
07:00	1.5	1.2	1.4	1.6	1.5	1.9	.7	-.8	.01
08:00	5.0	2.1	3.5	5.0	2.4	5.3	.7	.1	.01
09:00	7.7	4.8	6.5	7.9	5.4	8.4	-.8	-1.0	-.24
10:00	7.6	5.4	7.0	7.9	6.1	8.5	-1.4	-1.8	-.37
11:00	8.6	6.5	8.3	9.8	7.4	10.4	.9	1.0	-.04
12:00	9.4	7.3	9.0	10.3	8.1	10.9	.3	-1.8	-.18
13:00	9.8	7.8	9.5	10.5	8.5	11.2	.1	1.3	-.27
14:00	8.3	7.0	8.7	9.8	7.7	10.5	.9	1.1	-.07
15:00	6.0	5.0	6.0	7.1	5.7	7.6	3.0	2.3	.09
16:00	8.5	5.8	7.5	8.8	6.0	9.3	.1	-.9	-.22
17:00	5.2	3.8	4.8	5.7	4.3	6.0	1.8	.6	.03
18:00	6.9	3.9	5.5	7.1	4.4	7.5	-.6	-.6	-.17
19:00	7.1	3.4	5.5	7.3	4.0	7.7	-1.6	-3.0	-.23
20:00	6.9	3.0	5.3	7.0	3.3	7.4	-1.5	-1.4	-.18
21:00	5.2	1.9	3.5	5.4	2.2	5.7	-.3	-1.0	-.03
22:00	4.8	1.9	3.2	4.9	2.3	5.2	-.7	-1.4	-.05
23:00	4.4	.9	2.4	4.5	1.2	4.8	1.4	-.7	-.02
Avg	.0	3.2	4.4	5.6	3.6	6.0	.5	-.4	-.08
Max	9.8	7.8	9.5	10.5	8.5	11.2	3.1	2.3	.09
Hr. of Max	13	13	13	13	13	13	05	15	15
Min	.5	.3	.6	1.0	.6	1.3	-1.6	-3.0	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2016

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	.00	2.3	3.7	2.7	12.7	15.9	24.2	25.0
01:00	.02	2.3	2.5	5.7	10.3	12.0	23.1	24.9
02:00	.02	2.1	3.0	5.5	8.2	8.5	22.7	24.3
03:00	-.02	2.7	3.4	7.1	8.1	7.2	22.1	24.0
04:00	.06	3.2	6.6	9.4	6.4	2.2	21.0	23.9
05:00	.01	1.6	2.3	3.9	9.2	10.4	21.0	22.5
06:00	-.05	1.6	3.4	3.0	5.8	7.4	20.8	22.3
07:00	.00	2.5	3.0	4.6	6.1	8.3	20.5	22.4
08:00	-.01	4.1	7.1	8.7	7.5	3.5	21.6	22.8
09:00	-.25	11.2	12.8	14.2	14.7	10.1	24.3	23.7
10:00	-.46	12.8	14.2	15.8	17.9	14.1	26.2	25.3
11:00	-.01	15.6	20.6	21.3	18.5	14.7	27.7	26.8
12:00	-.60	18.3	19.9	21.5	19.0	14.9	28.7	27.7
13:00	-.07	21.3	23.1	22.0	18.5	17.5	29.8	28.8
14:00	-.01	19.9	30.5	27.0	17.5	16.3	30.4	29.4
15:00	.05	23.6	23.4	23.6	18.8	18.3	30.9	30.1
16:00	-.29	13.7	15.6	14.9	18.1	11.4	31.1	30.2
17:00	-.15	9.6	10.3	12.6	18.9	17.2	31.2	30.5
18:00	-.17	12.1	14.4	14.9	15.6	9.6	30.7	30.2
19:00	-.48	11.2	13.7	13.3	15.4	8.5	30.0	29.6
20:00	-.24	7.8	10.1	12.8	14.3	7.6	29.2	29.0
21:00	-.13	4.8	11.0	13.3	8.4	5.8	28.5	28.3
22:00	-.14	4.1	9.6	11.7	5.6	3.7	27.7	27.8
23:00	-.08	4.4	7.1	9.4	13.8	7.3	27.0	27.3
Avg	-.13	8.9	11.3	12.5	12.9	10.5	26.3	26.5
Max	.06	23.6	30.5	27.0	19.0	18.3	31.2	30.5
Hr. of Max	04	15	14	14	12	15	17	17
Min	-.60	1.6	2.3	2.7	5.6	2.2	20.5	22.3
Count	24	24	24	24	24	24	24	24
Total								