Date Printed: 09/17/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2016

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	19.6	21.5	22.3	23.7	1.90	2.65	4.09	.75	2.20
01:00	19.3	20.8	21.9	23.8	1.54	2.65	4.54	1.11	2.99
02:00	19.0	20.7	21.4	23.1	1.72	2.39	4.02	.68	2.30
03:00	18.2	19.5	20.3	21.7	1.39	2.18	3.51	.79	2.12
04:00	18.1	19.5	20.1	21.9	1.39	2.02	3.79	.62	2.40
05:00	18.0	19.5	19.8	21.4	1.50	1.82	3.42	.32	1.92
06:00	18.1	19.3	19.5	20.4	1.26	1.47	2.35	.20	1.09
07:00	17.8	19.0	19.4	21.0	1.21	1.62	3.25	.41	2.04
08:00	20.2	20.0	19.9	20.3	-.24	-.26	.10	-.02	.34
09:00	24.1	23.6	23.3	23.3	-.54	-.81	-.84	-.27	-.30
10:00	27.5	26.4	26.1	26.0	-1.13	-1.46	-1.53	-.33	-.40
11:00	29.8	28.5	28.1	28.0	-1.32	-1.70	-1.84	-.38	-.52
12:00	31.2	29.6	29.3	29.2	-1.50	-1.86	-1.98	-.36	-.47
13:00	32.2	30.8	30.3	30.2	-1.42	-1.90	-2.01	-.49	-.60
14:00	32.9	31.5	31.0	30.9	-1.48	-1.92	-2.06	-.44	-.58
15:00	33.3	31.9	31.5	31.4	-1.45	-1.84	-1.92	-.40	-.47
16:00	33.4	32.3	31.9	31.8	-1.16	-1.53	-1.68	-.37	-.53
17:00	33.4	32.6	32.2	32.1	-.77	-1.17	-1.32	-.40	-.55
18:00	32.3	32.0	31.7	31.7	-.34	-.58	-.64	-.24	-.30
19:00	26.2	26.9	27.9	28.7	.73	1.66	2.54	.93	1.81
20:00	26.6	27.1	27.2	27.4	.54	.68	.81	.14	.27
21:00	25.5	26.3	26.5	26.6	.86	1.05	1.15	.19	.29
22:00	23.6	24.3	24.6	25.5	.71	.98	1.85	.28	1.14
23:00	23.0	23.9	24.1	24.9	.94	1.10	1.91	.16	.97
Avg	25.1	25.3	25.4	26.0	.18	.30	.90	.12	.72
Max	33.4	32.6	32.2	32.1	1.90	2.65	4.54	1.11	2.99
Hr. of Max	17	17	17	17	00	01	01	01	01
Min	17.8	19.0	19.4	20.3	-1.50	-1.92	-2.06	-.49	-.60
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)

9/16/2016

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	14.8	15.0	16.4	27.2	74.8	67.7	12.5	12.6	0.010792
01:00	15.1	15.5	16.5	27.0	78.4	73.1	12.8	13.0	0.011055
02:00	15.4	16.0	16.6	26.7	80.9	75.9	13.0	13.5	0.011238
03:00	15.2	16.2	16.2	26.5	84.5	82.5	12.9	13.7	0.011104
04:00	15.6	16.3	16.4	26.2	86.9	83.5	13.2	13.8	0.011396
05:00	15.7	16.3	16.4	26.0	87.8	83.5	13.3	13.8	0.011443
06:00	15.9	16.5	16.7	25.8	89.0	85.2	13.5	13.9	0.011641
07:00	15.7	16.6	16.4	25.6	89.5	87.5	13.4	14.0	0.011482
08:00	16.5	16.2	17.7	25.4	81.0	80.8	13.9	13.7	0.012067
09:00	16.7	16.0	19.2	25.3	64.9	64.1	13.9	13.4	0.012234
10:00	16.4	16.0	20.1	25.2	52.1	54.3	13.6	13.3	0.012057
11:00	16.6	16.5	21.0	25.3	46.4	49.7	13.7	13.7	0.012267
12:00	16.6	16.5	21.5	25.7	42.9	46.6	13.6	13.6	0.012267
13:00	16.2	16.4	21.6	26.2	39.6	43.2	13.3	13.4	0.012022
14:00	16.1	16.3	21.7	26.8	37.6	41.4	13.1	13.4	0.011893
15:00	16.0	16.1	21.8	27.3	36.7	40.0	13.1	13.2	0.011884
16:00	15.5	15.5	21.5	27.7	35.3	37.6	12.7	12.7	0.011534
17:00	15.1	15.1	21.2	28.0	34.5	36.0	12.4	12.4	0.011233
18:00	15.7	15.7	21.3	28.2	38.2	38.7	12.9	12.8	0.011669
19:00	20.4	19.5	22.3	28.3	73.8	66.9	17.5	16.6	0.01562
20:00	19.0	18.5	21.5	28.3	65.5	61.2	16.1	15.5	0.014318
21:00	17.3	16.8	20.0	28.1	62.5	57.2	14.4	13.9	0.012781
22:00	18.0	18.2	19.9	27.9	72.5	70.1	15.2	15.3	0.01335
23:00	18.1	18.2	19.7	27.7	75.6	71.8	15.2	15.3	0.013393
Avg	16.4	16.5	19.3	26.8	63.8	62.4	13.7	13.8	0.012114
Max	20.4	19.5	22.3	28.3	89.5	87.5	17.5	16.6	0.01562
Hr. of Max	19	19	19	20	07	07	19	19	19
Min	14.8	15.0	16.2	25.2	34.5	36.0	12.4	12.4	0.010792
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)

9/16/2016

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	0.010978	16.9	17.1	.00	29.19	988.4	-2.6	.00	308.8
01:00	0.011338	17.3	17.7	.00	29.18	988.4	-3.3	.00	23.1
02:00	0.01173	17.5	18.3	.00	29.18	988.3	-3.1	.00	46.6
03:00	0.011835	17.3	18.5	.00	29.18	988.2	-2.6	.00	272.7
04:00	0.011938	17.8	18.6	.00	29.18	988.1	-1.6	.00	61.4
05:00	0.011946	17.9	18.6	.00	29.18	988.2	-1.6	.00	82.5
06:00	0.01206	18.2	18.8	.00	29.19	988.6	-1.5	.00	77.2
07:00	0.012105	17.9	18.9	.00	29.22	989.5	16.8	.02	229.0
08:00	0.011861	18.8	18.5	.00	29.24	990.3	167.6	.24	108.4
09:00	0.011701	19.1	18.3	.00	29.25	990.6	388.1	.56	172.0
10:00	0.01175	18.8	18.4	.00	29.26	990.9	568.4	.81	226.3
11:00	0.012172	19.2	19.0	.00	29.26	990.7	720.8	1.03	243.9
12:00	0.0122	19.1	19.0	.00	29.24	990.1	767.1	1.10	223.6
13:00	0.012093	18.8	18.9	.00	29.21	989.1	814.0	1.17	206.9
14:00	0.012053	18.5	18.8	.00	29.18	988.2	755.1	1.08	220.9
15:00	0.011949	18.5	18.6	.00	29.15	987.2	703.6	1.01	222.5
16:00	0.011497	18.0	17.9	.00	29.13	986.6	503.0	.72	220.3
17:00	0.011204	17.5	17.5	.00	29.12	986.3	280.9	.40	216.2
18:00	0.011621	18.2	18.1	.00	29.13	986.4	96.9	.14	204.7
19:00	0.014806	24.2	22.9	.00	29.14	986.7	6.0	.01	59.6
20:00	0.01385	22.2	21.5	.00	29.16	987.4	-2.0	.00	216.5
21:00	0.012357	19.9	19.2	.00	29.18	988.1	-2.4	.00	213.4
22:00	0.013471	20.8	21.0	.00	29.20	988.8	-1.8	.00	42.5
23:00	0.01346	20.8	20.9	.00	29.20	988.7	-2.5	.00	55.6
Avg	0.012166	18.9	19.0	.00	29.19	988.5	240.1	.35	200.0
Max	0.014806	24.2	22.9	.00	29.26	990.9	814.0	1.17	308.8
Hr. of Max	19	19	19	23	11	10	13	13	00
Min	0.010978	16.9	17.1	.00	29.12	986.3	-3.3	.00	23.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2016

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	72.7	72.1	275.0	51.9	24.9	34.2	14.8	.7	.4
01:00	31.3	61.8	42.0	33.8	24.8	51.5	21.2	1.0	1.4
02:00	53.9	77.7	45.6	65.2	44.5	29.0	10.4	.6	1.9
03:00	232.9	215.3	263.2	240.2	21.6	25.4	51.5	.8	.9
04:00	60.8	19.0	66.2	357.3	48.4	28.0	44.6	.9	1.8
05:00	67.8	44.4	88.2	29.2	13.8	12.1	11.3	.5	1.8
06:00	58.6	53.6	77.6	40.9	14.4	10.6	5.2	.8	1.8
07:00	66.5	36.1	296.0	6.1	35.8	12.4	19.0	.3	.7
08:00	68.6	59.4	109.6	43.6	40.0	27.2	12.9	.3	1.0
09:00	181.6	167.3	178.8	175.7	33.4	39.7	30.6	1.3	1.2
10:00	232.9	228.5	232.4	222.4	25.2	21.3	20.2	4.1	4.8
11:00	245.3	241.3	247.3	234.5	42.4	38.2	31.2	4.3	5.5
12:00	232.7	232.8	229.3	226.0	34.6	28.7	23.6	5.3	6.6
13:00	214.9	214.6	215.7	208.5	45.1	36.4	32.4	4.0	5.2
14:00	223.9	224.8	228.0	218.0	36.4	27.1	21.3	5.2	6.8
15:00	227.4	226.0	231.0	219.6	41.3	29.8	25.1	5.7	7.4
16:00	229.7	228.5	224.8	222.3	43.4	30.9	28.1	3.6	5.0
17:00	219.8	217.9	220.6	211.5	25.8	20.5	18.3	4.5	6.1
18:00	209.2	208.2	210.1	201.9	32.3	23.3	19.1	3.5	5.0
19:00	73.9	130.5	61.7	126.2	41.1	37.2	31.7	.9	1.4
20:00	191.9	178.7	221.9	171.5	55.7	30.0	22.7	2.7	4.0
21:00	164.8	157.9	218.5	151.6	51.3	28.8	21.9	1.1	1.7
22:00	69.4	80.9	47.0	69.8	39.4	17.3	14.6	.8	2.2
23:00	63.1	82.3	45.4	69.9	31.9	16.0	21.2	.3	.8
Avg	152.0	155.0	213.0	164.0	35.3	27.3	23.0	.0	.0
Max	245.3	241.3	296.0	357.3	55.7	51.5	51.5	5.7	7.4
Hr. of Max	11	11	07	04	20	01	03	15	15
Min	31.3	19.0	42.0	6.1	13.8	10.6	5.2	.3	.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)

9/16/2016

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	1.5	.8	1.0	1.5	1.1	1.8	1.5	-.4	.01
01:00	1.9	1.2	2.0	2.0	1.5	2.3	1.6	-.3	.05
02:00	3.2	1.3	2.1	3.3	1.5	3.5	2.3	1.3	.04
03:00	.7	.9	1.0	.8	1.3	1.1	.1	-.6	-.02
04:00	.9	1.0	1.8	1.5	1.2	1.7	1.9	1.6	.03
05:00	2.4	.5	1.8	2.6	.9	2.8	1.3	.9	.01
06:00	4.1	.9	1.8	4.2	1.1	4.4	1.8	.6	.03
07:00	1.1	.3	.7	1.2	.5	1.5	1.9	.7	.02
08:00	1.9	.4	1.2	2.0	.9	2.2	4.9	.7	.10
09:00	1.1	1.6	1.6	2.0	2.2	2.4	-7.7	-7.4	-.24
10:00	5.1	4.6	5.2	5.4	5.0	5.9	-1.5	-4.0	-.25
11:00	6.5	5.6	6.8	7.6	6.0	8.2	1.1	-.3	-.16
12:00	7.2	6.2	7.4	7.9	6.7	8.5	-2.6	-3.2	-.40
13:00	6.1	5.2	6.3	7.0	5.8	7.7	1.9	-.1	.00
14:00	7.9	6.3	7.7	8.5	6.8	9.2	-.4	-3.1	-.25
15:00	8.5	6.6	8.1	9.1	7.3	9.9	-1.8	-3.9	-.48
16:00	6.2	4.4	5.6	6.8	5.2	7.4	1.2	1.2	-.07
17:00	7.1	5.0	6.5	7.5	5.7	8.0	-.2	.2	-.23
18:00	6.3	4.0	5.4	6.6	4.5	7.1	1.0	1.9	-.10
19:00	3.0	1.7	2.5	3.4	2.0	3.9	7.1	-.2	.23
20:00	5.7	3.3	4.6	6.2	3.9	6.7	-1.4	-2.7	-.23
21:00	3.1	1.7	2.6	3.7	2.1	4.0	-1.5	-1.8	-.10
22:00	3.6	1.1	2.3	3.7	1.4	4.0	2.2	-.7	.04
23:00	1.4	.5	.8	1.5	.8	1.8	1.5	1.2	.02
Avg	.0	2.7	3.6	4.4	3.1	4.8	.7	-.8	-.08
Max	8.5	6.6	8.1	9.1	7.3	9.9	7.1	1.9	.23
Hr. of Max	15	15	15	15	15	15	19	18	19
Min	.7	.3	.7	.8	.5	1.1	-7.7	-7.4	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	3.7	2.3	3.9	5.6	4.8	22.4	24.5
01:00	.02	3.9	5.3	6.6	7.4	8.0	21.8	24.6
02:00	.08	3.7	7.1	7.6	9.6	4.7	21.8	23.9
03:00	-.02	6.6	3.7	2.1	8.0	10.2	20.6	22.6
04:00	.06	3.2	3.9	3.9	9.5	15.1	20.6	22.9
05:00	.02	2.5	4.4	5.0	9.0	5.6	20.6	22.5
06:00	.05	4.8	5.7	6.9	7.6	2.9	20.5	21.4
07:00	.02	1.6	1.8	5.7	6.7	5.4	20.1	22.0
08:00	.01	2.3	3.0	4.1	21.1	9.4	21.3	21.3
09:00	-.39	7.3	6.4	7.1	25.8	20.2	24.6	24.0
10:00	-.55	11.4	12.4	12.1	19.4	17.3	27.2	26.3
11:00	-.28	17.6	21.1	20.2	21.1	18.6	29.4	28.3
12:00	-.51	16.7	15.3	15.8	17.3	15.2	30.4	29.4
13:00	-.15	19.0	23.6	23.8	21.1	19.9	31.5	30.4
14:00	-.58	15.3	15.6	19.0	18.6	14.2	32.1	31.0
15:00	-.79	23.4	21.5	24.3	18.2	16.7	32.5	31.6
16:00	-.03	14.7	17.6	16.0	19.6	18.4	32.9	32.0
17:00	-.14	21.8	25.0	28.4	17.0	13.5	33.2	32.3
18:00	.07	9.4	11.2	13.1	18.0	14.1	32.7	32.0
19:00	.01	12.6	15.3	16.7	17.6	20.5	28.3	29.6
20:00	-.50	12.6	13.7	15.6	21.2	17.0	28.4	28.2
21:00	-.26	7.6	11.0	14.2	19.3	15.6	27.3	27.3
22:00	-.05	6.0	10.5	8.2	14.8	10.7	25.6	26.3
23:00	.07	3.0	5.3	3.9	12.6	16.4	25.1	25.8
Avg	-.16	9.6	10.9	11.8	15.3	13.1	26.3	26.7
Max	.08	23.4	25.0	28.4	25.8	20.5	33.2	32.3
Hr. of Max	02	15	17	17	09	19	17	17
Min	-.79	1.6	1.8	2.1	5.6	2.9	20.1	21.3
Count	24	24	24	24	24	24	24	24
Total								