Date Printed: 09/05/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2014

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	21.8	22.2	22.6	23.0	.38	.75	1.17	.38	.79
01:00	21.8	22.6	23.1	23.5	.78	1.29	1.70	.51	.92
02:00	21.7	22.3	22.6	22.9	.57	.87	1.20	.31	.63
03:00	22.1	22.8	22.8	22.9	.67	.69	.76	.02	.09
04:00	22.1	22.7	22.6	22.6	.59	.55	.54	-.05	-.05
05:00	21.8	22.2	22.5	22.6	.34	.62	.80	.29	.46
06:00	21.6	21.8	22.0	22.3	.18	.38	.75	.20	.57
07:00	21.7	21.7	21.8	22.0	.00	.05	.30	.05	.30
08:00	22.7	22.5	22.3	22.4	-.21	-.36	-.27	-.15	-.07
09:00	23.3	23.0	22.8	22.8	-.23	-.43	-.46	-.19	-.22
10:00	24.4	24.1	23.8	23.7	-.39	-.62	-.71	-.23	-.32
11:00	26.2	25.6	25.3	25.2	-.61	-.88	-1.01	-.27	-.40
12:00	26.6	26.2	25.9	25.8	-.46	-.71	-.82	-.25	-.36
13:00	28.3	27.5	27.1	27.0	-.82	-1.17	-1.30	-.35	-.48
14:00	28.8	28.1	27.8	27.7	-.72	-.99	-1.09	-.28	-.37
15:00	29.7	28.9	28.6	28.5	-.79	-1.09	-1.19	-.31	-.40
16:00	29.5	28.9	28.6	28.5	-.64	-.93	-1.03	-.29	-.39
17:00	29.7	29.2	28.9	28.8	-.52	-.79	-.89	-.27	-.37
18:00	29.2	28.9	28.7	28.7	-.31	-.52	-.57	-.20	-.26
19:00	26.4	27.4	27.8	27.9	1.06	1.40	1.58	.34	.52
20:00	25.2	25.6	25.6	25.7	.41	.45	.53	.04	.12
21:00	22.9	23.9	24.6	24.8	.95	1.64	1.90	.69	.95
22:00	22.1	23.2	24.0	24.4	1.09	1.90	2.24	.81	1.15
23:00	21.7	22.4	23.4	23.8	.71	1.74	2.12	1.03	1.41
Avg	24.6	24.7	24.8	24.9	.08	.16	.26	.08	.18
Max	29.7	29.2	28.9	28.8	1.09	1.90	2.24	1.03	1.41
Hr. of Max	17	17	17	17	22	22	22	23	23
Min	21.6	21.7	21.8	22.0	-.82	-1.17	-1.30	-.35	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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9/4/2014

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	20.5	21.1	20.9	26.3	94.4	95.9	17.8	18.4	0.015599
01:00	20.5	21.2	21.0	26.1	94.8	94.2	17.8	18.5	0.015656
02:00	20.5	21.1	20.9	25.9	95.2	95.8	17.8	18.4	0.015593
03:00	20.9	20.9	21.3	25.8	94.9	91.2	18.1	18.1	0.01596
04:00	20.7	20.7	21.2	25.6	94.6	91.0	18.0	17.9	0.015832
05:00	20.5	20.7	21.0	25.5	94.7	93.7	17.8	17.9	0.015631
06:00	20.3	20.6	20.7	25.4	94.8	95.8	17.6	17.9	0.015415
07:00	20.4	20.6	20.8	25.3	94.5	95.7	17.7	17.9	0.015486
08:00	20.9	20.9	21.5	25.2	92.2	93.4	18.2	18.2	0.01603
09:00	21.3	21.2	21.9	25.2	90.8	91.5	18.5	18.4	0.016342
10:00	21.0	20.7	22.2	25.2	83.6	83.6	18.2	17.8	0.016132
11:00	20.7	20.1	22.5	25.3	73.7	73.9	17.7	17.2	0.015763
12:00	20.7	20.2	22.7	25.6	71.8	71.7	17.7	17.3	0.015799
13:00	20.5	20.0	23.1	26.0	64.5	65.5	17.5	16.9	0.01565
14:00	20.4	20.0	23.2	26.4	62.4	63.5	17.3	17.0	0.015561
15:00	20.2	19.7	23.4	26.8	58.7	59.3	17.1	16.6	0.015413
16:00	20.4	20.0	23.4	27.1	59.9	60.4	17.3	16.9	0.015609
17:00	20.2	19.7	23.3	27.4	58.4	58.4	17.1	16.6	0.015379
18:00	20.6	20.0	23.5	27.6	61.7	60.2	17.5	16.9	0.015791
19:00	21.7	20.9	23.3	27.7	78.1	69.8	18.9	18.0	0.016895
20:00	20.6	20.3	22.1	27.6	77.9	74.7	17.7	17.4	0.015717
21:00	20.4	20.3	21.3	27.4	87.9	82.5	17.6	17.5	0.015513
22:00	20.2	20.3	20.8	27.2	90.9	85.8	17.4	17.5	0.015238
23:00	20.0	20.4	20.5	27.0	92.4	90.7	17.2	17.6	0.015076
Avg	20.6	20.5	21.9	26.3	81.8	80.8	17.7	17.6	0.015712
Max	21.7	21.2	23.5	27.7	95.2	95.9	18.9	18.5	0.016895
Hr. of Max	19	09	18	19	02	00	19	01	19
Min	20.0	19.7	20.5	25.2	58.4	58.4	17.1	16.6	0.015076
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)

9/4/2014

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	0.016227	24.2	25.1	.00	29.18	988.1	-2.0	.00	280.8
01:00	0.016307	24.3	25.2	.00	29.17	987.9	-1.3	.00	334.1
02:00	0.016246	24.2	25.1	.00	29.17	987.9	-2.4	.00	22.2
03:00	0.01598	24.7	24.8	.00	29.18	988.1	-2.8	.00	27.9
04:00	0.015791	24.5	24.5	.00	29.18	988.2	-3.0	.00	291.6
05:00	0.015787	24.2	24.5	.00	29.18	988.3	-2.6	.00	344.0
06:00	0.015743	23.9	24.4	.00	29.19	988.4	-2.7	.00	261.2
07:00	0.015684	24.0	24.3	.00	29.20	988.8	35.6	.05	259.5
08:00	0.016027	24.9	24.9	.00	29.21	989.4	80.3	.12	245.3
09:00	0.016243	25.3	25.2	.00	29.23	989.8	114.9	.16	224.1
10:00	0.015754	25.0	24.5	.00	29.24	990.3	370.7	.53	211.4
11:00	0.015254	24.5	23.7	.00	29.25	990.5	583.6	.84	213.2
12:00	0.015343	24.5	23.8	.00	29.25	990.5	501.5	.72	194.1
13:00	0.01513	24.3	23.5	.00	29.24	990.1	818.6	1.17	213.1
14:00	0.015178	24.2	23.6	.00	29.22	989.5	678.7	.97	243.0
15:00	0.014872	23.9	23.1	.00	29.19	988.6	775.4	1.11	228.0
16:00	0.015166	24.2	23.5	.00	29.18	988.3	531.9	.76	240.0
17:00	0.014929	23.8	23.2	.00	29.18	988.1	404.2	.58	256.6
18:00	0.015152	24.5	23.5	.00	29.19	988.4	236.7	.34	264.6
19:00	0.01608	26.1	24.9	.00	29.19	988.6	48.5	.07	229.2
20:00	0.015453	24.4	24.0	.00	29.22	989.4	-1.5	.00	199.8
21:00	0.015406	24.1	23.9	.00	29.23	990.0	-2.2	.00	311.5
22:00	0.01538	23.7	23.9	.00	29.23	990.0	-2.2	.00	293.2
23:00	0.01545	23.4	24.0	.00	29.24	990.2	-2.7	.00	310.7
Avg	0.015608	24.4	24.2	.00	29.21	989.1	214.8	.31	260.0
Max	0.016307	26.1	25.2	.00	29.25	990.5	818.6	1.17	344.0
Hr. of Max	01	19	09	23	12	12	13	13	05
Min	0.014872	23.4	23.1	.00	29.17	987.9	-3.0	.00	22.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2014

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	236.8	214.4	275.8	215.1	28.2	14.1	13.8	1.1	2.2
01:00	266.0	215.4	328.9	214.4	54.2	35.7	34.5	.7	.9
02:00	42.9	121.8	14.7	116.7	56.6	28.8	42.3	.6	1.1
03:00	122.7	149.7	28.4	147.9	50.4	39.8	36.8	.3	1.0
04:00	177.8	171.2	293.8	170.1	41.3	47.3	20.7	.3	.8
05:00	333.8	311.8	330.3	308.8	43.8	41.6	41.2	.6	.7
06:00	235.0	271.7	259.2	271.2	14.2	35.0	32.5	1.5	1.2
07:00	229.8	218.5	257.8	218.7	15.0	11.2	9.9	1.7	2.5
08:00	232.5	232.0	244.6	232.4	19.9	11.7	9.9	1.8	2.7
09:00	223.8	239.5	222.7	239.0	23.1	21.2	22.3	1.5	2.2
10:00	205.6	215.7	212.7	216.3	26.2	26.4	26.1	2.5	2.9
11:00	206.1	216.3	215.0	216.0	47.2	34.8	30.8	2.7	3.6
12:00	187.5	201.4	192.7	201.7	37.3	31.9	27.5	2.8	3.3
13:00	204.0	212.3	213.4	212.8	36.3	29.6	24.8	4.5	5.9
14:00	233.5	241.4	244.0	241.7	39.9	30.3	30.6	3.8	5.2
15:00	219.4	223.4	227.4	223.5	36.8	30.0	27.3	3.8	5.0
16:00	228.7	237.0	241.7	237.6	32.1	27.5	24.0	3.7	4.9
17:00	247.9	257.1	251.3	256.6	56.1	44.2	40.6	1.9	2.7
18:00	251.6	255.0	263.4	254.9	25.6	19.5	16.7	2.3	3.2
19:00	178.3	186.1	225.6	186.7	53.2	16.1	12.8	.8	2.9
20:00	162.2	158.7	198.7	158.4	30.0	19.0	15.9	2.2	3.6
21:00	41.1	84.3	303.5	79.9	46.6	38.9	38.9	1.1	.2
22:00	183.8	165.3	284.0	165.3	52.7	30.8	14.2	.7	1.7
23:00	299.7	180.6	303.6	179.9	38.2	56.5	33.6	.8	.5
Avg	219.0	210.0	258.0	210.0	37.7	30.1	26.2	.0	.0
Max	333.8	311.8	330.3	308.8	56.6	56.5	42.3	4.5	5.9
Hr. of Max	05	05	05	05	02	23	02	13	13
Min	41.1	84.3	14.7	79.9	14.2	11.2	9.9	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2014

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	2.6	1.4	2.3	2.7	1.6	2.9	.5	.5	-.03
01:00	2.0	1.3	1.5	2.2	1.5	2.5	1.2	-.5	.00
02:00	1.0	.9	1.3	1.3	1.1	1.6	2.2	3.1	.04
03:00	2.2	1.1	2.0	2.9	1.4	3.2	2.1	-.8	.02
04:00	1.9	.5	.9	2.0	.9	2.3	3.0	-4.5	.05
05:00	.8	.6	1.0	1.2	.9	1.4	1.6	.7	.03
06:00	.6	1.6	1.5	1.5	1.9	1.8	-.5	2.0	-.04
07:00	2.7	1.9	2.6	2.9	2.2	3.1	-2.8	-.8	-.13
08:00	3.5	2.0	2.8	3.6	2.4	3.8	-3.0	-.5	-.17
09:00	2.8	1.8	2.4	3.0	2.2	3.3	2.7	.9	.03
10:00	3.2	2.8	3.2	3.5	3.2	3.8	-4.4	-3.6	-.25
11:00	4.0	3.5	4.2	4.5	4.2	5.1	2.1	3.4	.00
12:00	3.7	3.3	3.7	4.0	3.9	4.5	1.3	5.7	-.01
13:00	6.9	5.4	6.7	7.6	6.3	8.1	.5	.5	-.11
14:00	6.0	4.5	5.7	6.5	5.1	7.0	1.6	-1.5	-.21
15:00	5.9	4.5	5.6	6.5	5.2	7.2	1.2	2.1	-.11
16:00	5.8	4.4	5.5	6.3	4.8	6.8	-1.7	-2.5	-.27
17:00	3.3	2.7	3.4	3.8	3.2	4.2	3.0	6.4	.08
18:00	3.8	2.5	3.3	4.0	2.9	4.3	.5	2.8	-.10
19:00	4.2	1.2	3.3	4.6	1.7	4.8	.6	2.8	-.01
20:00	4.7	2.5	3.8	4.9	3.0	5.2	3.2	1.3	.06
21:00	.9	1.3	1.4	1.9	1.5	2.2	.0	2.8	-.02
22:00	3.4	1.0	2.0	3.5	1.3	3.7	1.0	-.6	.02
23:00	1.3	1.2	1.4	1.9	1.5	2.2	1.3	.1	.04
Avg	.0	2.2	3.0	3.6	2.7	4.0	.7	.8	-.05
Max	6.9	5.4	6.7	7.6	6.3	8.1	3.2	6.4	.08
Hr. of Max	13	13	13	13	13	13	20	17	17
Min	.6	.5	.9	1.2	.9	1.4	-4.4	-4.5	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2014

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.00	5.0	8.9	8.9	4.8	6.2	9.6	6.4
01:00	-.02	5.3	6.6	7.3	6.7	7.8	10.4	13.6
02:00	.10	3.0	3.0	5.0	3.3	5.3	12.6	16.6
03:00	-.07	3.4	5.7	7.8	4.6	7.8	18.9	14.0
04:00	-.18	3.4	4.1	8.7	4.2	5.8	18.4	13.8
05:00	.02	2.5	2.7	3.7	2.6	3.8	11.2	14.4
06:00	.06	3.2	3.9	6.9	3.9	4.3	6.4	13.8
07:00	-.03	3.2	5.7	5.3	4.2	4.4	7.7	4.3
08:00	-.03	3.9	4.6	6.4	4.7	6.0	11.6	4.6
09:00	.01	4.6	5.7	6.6	5.0	6.3	19.2	13.4
10:00	-.30	7.1	9.6	8.0	8.6	9.0	17.5	17.3
11:00	.20	9.8	14.0	14.0	10.7	11.1	22.1	23.0
12:00	.27	9.4	8.7	8.9	9.7	10.6	21.0	23.8
13:00	-.04	11.4	14.7	14.0	13.1	15.1	19.0	15.0
14:00	-.28	13.7	12.8	17.9	14.0	14.4	21.4	17.2
15:00	.02	13.7	15.6	16.0	13.5	16.9	20.9	18.2
16:00	-.33	15.1	23.1	23.6	11.3	13.4	17.6	12.4
17:00	.28	9.8	11.0	9.6	8.9	10.3	23.7	23.3
18:00	.16	6.6	8.5	8.9	6.8	8.6	17.6	14.4
19:00	.23	7.8	8.5	12.1	8.0	10.3	15.2	7.2
20:00	-.02	11.4	10.5	12.1	10.6	11.7	16.3	13.6
21:00	.11	3.0	3.9	6.4	3.7	6.5	11.1	16.4
22:00	-.05	2.7	5.7	7.8	4.4	8.1	12.8	10.6
23:00	-.02	3.2	3.9	8.2	3.7	6.5	13.8	14.3
Avg	.00	6.8	8.4	9.8	7.1	8.8	15.7	14.2
Max	.28	15.1	23.1	23.6	14.0	16.9	23.7	23.8
Hr. of Max	17	16	16	16	14	15	17	12
Min	-.33	2.5	2.7	3.7	2.6	3.8	6.4	4.3
Count	24	24	24	24	24	24	24	24
Total								