Date Printed: 01/10/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2015

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	-1.4	-1.4	-1.5	-1.6	-.01	-.19	-.29	-.18	-.27
01:00	-1.5	-1.5	-1.7	-1.7	-.02	-.20	-.29	-.18	-.28
02:00	-1.8	-1.7	-1.9	-2.0	.02	-.16	-.25	-.18	-.27
03:00	-2.4	-2.3	-2.5	-2.5	.11	-.05	-.12	-.16	-.24
04:00	-3.0	-2.9	-3.0	-3.1	.14	.01	-.05	-.13	-.19
05:00	-3.5	-3.3	-3.5	-3.5	.19	.06	.01	-.13	-.18
06:00	-4.2	-3.9	-4.0	-4.0	.26	.18	.19	-.08	-.07
07:00	-4.5	-4.3	-4.3	-4.3	.24	.20	.25	-.04	.02
08:00	-3.7	-3.8	-3.9	-4.0	-.06	-.25	-.33	-.19	-.27
09:00	-3.0	-3.2	-3.5	-3.6	-.23	-.47	-.61	-.25	-.38
10:00	-1.5	-2.1	-2.3	-2.5	-.58	-.86	-1.01	-.28	-.43
11:00	.2	-.7	-1.0	-1.2	-.93	-1.25	-1.45	-.32	-.52
12:00	1.3	.2	-.1	-.3	-1.04	-1.35	-1.55	-.30	-.51
13:00	1.8	.9	.6	.4	-.94	-1.25	-1.44	-.31	-.50
14:00	2.4	1.6	1.3	1.1	-.87	-1.16	-1.32	-.30	-.45
15:00	2.7	2.0	1.7	1.6	-.67	-.97	-1.14	-.30	-.47
16:00	2.2	1.9	1.6	1.5	-.32	-.59	-.73	-.27	-.41
17:00	.8	1.1	1.0	.9	.35	.18	.12	-.17	-.23
18:00	-1.6	.0	.1	.1	1.61	1.63	1.65	.02	.04
19:00	-1.6	-.8	-.8	-.9	.86	.78	.73	-.08	-.13
20:00	-2.2	-1.9	-2.1	-2.1	.27	.12	.04	-.16	-.23
21:00	-3.3	-3.0	-3.2	-3.3	.23	.05	-.03	-.18	-.26
22:00	-4.4	-4.1	-4.2	-4.3	.33	.18	.12	-.15	-.21
23:00	-5.6	-4.9	-5.0	-5.0	.67	.60	.56	-.06	-.11
Avg	-1.6	-1.6	-1.8	-1.8	-.02	-.20	-.29	-.18	-.27
Max	2.7	2.0	1.7	1.6	1.61	1.63	1.65	.02	.04
Hr. of Max	15	15	15	15	18	18	18	18	18
Min	-5.6	-4.9	-5.0	-5.0	-1.04	-1.35	-1.55	-.32	-.52
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)

1/9/2015

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	-17.2	-17.9	-11.9	1.9	29.3	27.7	1.3	1.2	0.001013
01:00	-17.0	-17.7	-11.8	1.9	29.8	28.4	1.3	1.2	0.001026
02:00	-16.7	-17.3	-11.7	1.9	31.4	29.8	1.3	1.3	0.001053
03:00	-16.2	-16.7	-11.6	1.9	34.2	32.5	1.4	1.3	0.001096
04:00	-15.8	-16.3	-11.5	1.9	37.0	35.2	1.4	1.4	0.001131
05:00	-15.5	-16.0	-11.5	1.9	39.5	37.2	1.5	1.4	0.001162
06:00	-14.9	-15.5	-11.3	1.8	43.3	40.5	1.6	1.5	0.001213
07:00	-14.4	-15.0	-11.1	1.8	46.6	43.3	1.6	1.5	0.001268
08:00	-14.1	-14.8	-10.6	1.8	44.7	42.5	1.7	1.6	0.001298
09:00	-14.0	-14.6	-10.3	1.8	42.6	41.2	1.7	1.6	0.001305
10:00	-13.9	-14.6	-9.8	1.8	38.6	38.1	1.7	1.6	0.001316
11:00	-13.6	-14.3	-9.0	1.8	35.0	35.4	1.7	1.6	0.001357
12:00	-13.0	-13.7	-8.3	1.8	34.0	34.7	1.8	1.7	0.001422
13:00	-13.2	-13.6	-8.2	1.8	32.3	33.3	1.8	1.7	0.001408
14:00	-13.5	-14.1	-8.2	1.8	30.2	30.5	1.7	1.6	0.001378
15:00	-14.3	-14.8	-8.7	1.8	27.7	27.8	1.6	1.5	0.001285
16:00	-15.1	-15.5	-9.3	1.8	27.1	26.7	1.5	1.5	0.001211
17:00	-14.5	-15.3	-9.4	1.8	31.3	28.7	1.6	1.5	0.001261
18:00	-13.1	-14.6	-9.2	1.8	41.7	32.6	1.8	1.6	0.001412
19:00	-13.2	-14.3	-9.3	1.8	41.5	35.5	1.8	1.6	0.001399
20:00	-15.0	-15.7	-10.8	1.9	37.1	34.4	1.5	1.5	0.001202
21:00	-16.4	-16.9	-12.0	1.9	36.0	33.7	1.4	1.3	0.001072
22:00	-16.2	-17.0	-12.3	1.9	39.8	36.2	1.4	1.3	0.001087
23:00	-15.8	-17.4	-12.4	1.9	44.9	37.3	1.5	1.3	0.001121
Avg	-14.9	-15.6	-10.4	1.8	36.5	34.3	1.6	1.5	0.001229
Max	-13.0	-13.6	-8.2	1.9	46.6	43.3	1.8	1.7	0.001422
Hr. of Max	12	13	14	23	07	07	19	13	12
Min	-17.2	-17.9	-12.4	1.8	27.1	26.7	1.3	1.2	0.001013
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2015

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	0.000957	1.6	1.5	.00	29.34	993.7	-2.4	.00	226.9
01:00	0.000974	1.6	1.6	.00	29.33	993.4	-3.2	.00	227.9
02:00	0.001003	1.7	1.6	.00	29.34	993.7	-2.2	.00	224.1
03:00	0.00105	1.7	1.7	.00	29.34	993.8	-2.0	.00	220.4
04:00	0.001088	1.8	1.7	.00	29.34	993.7	-2.1	.00	223.1
05:00	0.001111	1.9	1.8	.00	29.35	993.9	-2.3	.00	226.5
06:00	0.001159	1.9	1.8	.00	29.35	994.1	-2.7	.00	225.9
07:00	0.001202	2.0	1.9	.00	29.37	994.6	-1.0	.00	230.2
08:00	0.001229	2.1	2.0	.00	29.39	995.2	21.0	.03	231.2
09:00	0.001241	2.1	2.0	.00	29.42	996.2	105.4	.15	220.1
10:00	0.001246	2.1	2.0	.00	29.43	996.6	346.6	.50	229.4
11:00	0.001284	2.2	2.1	.00	29.42	996.3	526.7	.76	269.3
12:00	0.001345	2.3	2.1	.00	29.39	995.4	578.4	.83	265.1
13:00	0.001356	2.2	2.2	.00	29.37	994.5	543.0	.78	261.1
14:00	0.001306	2.2	2.1	.00	29.36	994.2	460.5	.66	258.0
15:00	0.001232	2.1	2.0	.00	29.37	994.5	370.1	.53	276.5
16:00	0.001166	1.9	1.9	.00	29.39	995.2	193.0	.28	269.9
17:00	0.001187	2.0	1.9	.00	29.41	995.9	24.7	.04	261.3
18:00	0.001246	2.3	2.0	.00	29.43	996.7	-2.3	.00	255.7
19:00	0.001276	2.2	2.0	.00	29.46	997.8	-2.4	.00	273.9
20:00	0.001137	1.9	1.8	.00	29.49	998.7	-2.5	.00	274.2
21:00	0.001024	1.7	1.6	.00	29.52	999.7	-2.3	.00	255.9
22:00	0.001015	1.7	1.6	.00	29.53	1000.2	-2.2	.00	239.3
23:00	0.00098	1.8	1.6	.00	29.55	1000.6	-2.5	.00	287.6
Avg	0.001159	2.0	1.9	.00	29.40	995.8	130.7	.19	247.0
Max	0.001356	2.3	2.2	.00	29.55	1000.6	578.4	.83	287.6
Hr. of Max	13	18	13	23	23	23	12	12	23
Min	0.000957	1.6	1.5	.00	29.33	993.4	-3.2	.00	220.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2015

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	232.9	229.6	234.1	232.3	18.7	14.2	11.5	10.1	14.5
01:00	232.6	229.7	234.4	232.6	19.3	14.9	11.1	11.4	16.2
02:00	229.6	226.0	230.6	228.9	18.3	13.6	9.9	10.7	15.1
03:00	226.2	223.8	227.1	226.6	19.7	14.7	10.9	9.0	12.8
04:00	228.6	225.0	229.7	228.0	18.3	13.2	9.5	7.8	11.9
05:00	231.4	228.4	233.8	231.1	18.3	12.4	9.3	6.6	9.8
06:00	229.8	225.0	231.4	227.9	15.7	9.9	7.0	4.4	7.5
07:00	233.7	228.6	236.0	231.4	15.6	8.1	5.6	3.0	5.9
08:00	235.1	231.6	237.3	234.1	23.3	16.1	10.4	2.8	4.5
09:00	228.0	226.1	226.3	228.6	18.7	16.5	12.7	3.7	4.7
10:00	240.6	241.5	235.4	242.8	33.9	31.6	24.2	3.2	4.0
11:00	276.4	276.6	275.7	276.8	32.2	26.0	22.5	5.8	7.6
12:00	273.9	276.3	269.9	276.5	31.8	25.7	23.8	6.0	7.3
13:00	267.8	267.2	266.4	267.8	37.3	34.1	31.7	4.8	6.2
14:00	265.4	265.9	264.5	266.9	35.3	32.5	27.9	5.3	6.7
15:00	285.7	285.5	281.8	285.3	35.8	33.0	26.2	4.8	6.1
16:00	276.9	275.3	275.8	275.8	27.3	22.8	18.5	5.1	6.9
17:00	275.0	279.9	266.0	280.6	21.6	16.9	15.4	3.7	5.3
18:00	270.1	278.1	260.1	279.1	21.8	18.2	16.6	2.2	4.0
19:00	288.0	293.7	276.8	292.9	29.1	22.1	18.9	2.5	4.1
20:00	289.7	294.8	278.5	294.0	30.8	26.2	19.0	3.7	5.4
21:00	273.3	280.8	261.8	281.1	25.9	23.8	19.4	4.2	5.8
22:00	256.1	266.4	246.1	267.8	19.4	16.2	15.9	4.3	5.7
23:00	301.8	305.7	289.8	304.0	26.9	24.1	17.3	2.9	4.3
Avg	256.0	256.0	252.0	257.0	24.8	20.3	16.5	.0	.0
Max	301.8	305.7	289.8	304.0	37.3	34.1	31.7	11.4	16.2
Hr. of Max	23	23	23	23	13	13	13	01	01
Min	226.2	223.8	226.3	226.6	15.6	8.1	5.6	2.2	4.0
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)

1/9/2015

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	17.7	10.6	14.9	18.0	11.7	19.0	.0	1.7	-.35
01:00	20.2	12.0	16.7	20.5	13.2	21.6	1.0	1.6	-.16
02:00	19.0	11.2	15.5	19.3	12.3	20.3	1.1	1.4	-.09
03:00	16.3	9.4	13.2	16.6	10.4	17.5	1.6	1.3	-.01
04:00	14.8	8.2	12.2	15.0	9.1	15.9	1.3	1.0	-.05
05:00	12.2	6.9	10.0	12.4	7.5	13.1	.5	1.4	-.16
06:00	9.7	4.6	7.6	9.8	5.4	10.4	-.7	1.0	-.17
07:00	8.0	3.1	6.0	8.1	3.8	8.6	-1.0	1.5	-.13
08:00	6.5	3.0	4.7	6.6	3.7	7.1	1.8	1.5	-.01
09:00	5.5	3.9	4.8	5.7	4.5	6.2	2.0	1.4	-.03
10:00	4.6	4.1	5.1	5.7	4.8	6.3	.6	1.7	-.06
11:00	8.7	6.6	8.3	9.4	7.1	9.9	-2.7	-3.4	-.65
12:00	8.1	6.8	8.0	8.8	7.4	9.5	-2.2	-1.3	-.50
13:00	7.2	5.9	7.3	8.2	6.6	8.8	-.1	.6	-.31
14:00	7.6	6.4	7.9	8.6	7.0	9.3	-2.4	-2.0	-.44
15:00	7.4	5.9	7.3	8.3	6.4	8.8	-2.7	-3.0	-.57
16:00	8.2	5.7	7.4	8.6	6.2	9.1	-2.9	-2.0	-.55
17:00	6.6	4.0	5.5	6.8	4.4	7.1	-2.4	-1.5	-.36
18:00	5.7	2.4	4.2	5.9	3.0	6.3	-.8	.0	-.11
19:00	5.6	2.7	4.4	5.8	3.2	6.2	-2.0	-3.1	-.22
20:00	7.5	4.2	5.9	7.9	4.8	8.3	-1.5	-2.1	-.34
21:00	7.1	4.8	6.4	7.6	5.4	8.0	-1.5	-.6	-.27
22:00	6.6	4.6	5.9	6.9	5.1	7.3	-.5	-.8	-.13
23:00	6.0	3.2	4.6	6.4	3.6	6.7	-2.6	-1.9	-.26
Avg	.0	5.8	8.1	9.9	6.5	10.5	-.7	-.2	-.25
Max	20.2	12.0	16.7	20.5	13.2	21.6	2.0	1.7	-.01
Hr. of Max	01	01	01	01	01	01	09	10	08
Min	4.6	2.4	4.2	5.7	3.0	6.2	-2.9	-3.4	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2015

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	.40	24.0	33.0	38.7	29.0	34.0	14.1	8.0
01:00	.34	29.1	33.2	51.1	29.2	38.4	14.8	8.4
02:00	.31	25.2	45.6	54.5	25.4	33.5	14.3	7.8
03:00	.20	26.3	39.4	32.1	26.9	30.4	14.2	8.6
04:00	.16	20.2	23.1	25.9	21.6	26.7	14.4	7.4
05:00	.21	21.1	22.7	25.9	19.0	23.5	14.4	7.8
06:00	.13	11.7	16.9	23.6	12.5	16.0	11.2	5.4
07:00	.21	6.9	14.0	19.9	7.6	12.7	11.0	4.4
08:00	.13	8.7	10.8	11.2	9.6	12.1	17.4	8.4
09:00	-.02	8.0	8.9	12.6	9.1	9.6	16.5	12.6
10:00	.01	11.9	14.7	14.9	12.7	16.2	22.5	19.2
11:00	-.81	17.6	17.6	18.8	19.2	21.6	18.4	13.7
12:00	-.51	17.4	21.5	20.8	18.7	17.8	18.9	17.0
13:00	-.29	16.5	17.4	20.2	16.6	21.3	21.1	18.0
14:00	-.54	17.2	15.3	17.2	20.4	19.3	19.2	16.3
15:00	-.72	16.7	16.9	20.2	17.5	20.2	17.8	15.1
16:00	-.56	20.6	25.2	22.4	17.3	18.8	16.7	13.0
17:00	-.36	11.0	12.6	15.1	12.1	15.3	16.2	12.1
18:00	-.14	8.0	11.0	16.0	9.6	13.3	15.0	11.4
19:00	-.53	8.7	11.0	14.9	9.8	16.3	16.4	13.9
20:00	-.56	16.0	15.6	17.6	18.0	18.5	19.5	15.2
21:00	-.30	16.7	15.3	18.5	17.3	20.9	16.4	14.0
22:00	-.23	14.2	13.3	14.7	14.9	16.1	12.7	11.1
23:00	-.28	11.9	16.3	16.9	9.8	14.0	14.1	12.5
Avg	-.16	16.1	19.6	22.7	16.8	20.3	16.1	11.7
Max	.40	29.1	45.6	54.5	29.2	38.4	22.5	19.2
Hr. of Max	00	01	02	02	01	01	10	10
Min	-.81	6.9	8.9	11.2	7.6	9.6	11.0	4.4
Count	24	24	24	24	24	24	24	24
Total								