Date Printed: 08/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2015

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	21.4	21.9	21.9	21.9	.48	.51	.57	.02	.08
01:00	21.1	21.7	21.7	21.8	.52	.57	.67	.05	.15
02:00	21.3	21.4	21.4	21.6	.14	.18	.33	.04	.20
03:00	21.6	21.6	21.6	21.8	.07	.06	.19	.00	.13
04:00	21.9	21.9	21.9	21.9	.03	-.04	.04	-.07	.02
05:00	22.0	22.0	21.9	22.0	.01	-.09	-.03	-.10	-.04
06:00	21.8	21.8	21.8	21.8	.05	-.03	.05	-.08	.00
07:00	21.8	21.8	21.8	21.8	.01	-.05	.01	-.06	.00
08:00	22.5	22.4	22.2	22.2	-.14	-.31	-.32	-.16	-.18
09:00	22.8	22.6	22.5	22.5	-.14	-.31	-.32	-.17	-.18
10:00	23.5	23.3	23.1	23.0	-.25	-.45	-.49	-.20	-.24
11:00	23.8	23.6	23.4	23.3	-.20	-.36	-.43	-.16	-.23
12:00	22.5	22.3	22.2	22.2	-.18	-.32	-.32	-.14	-.14
13:00	24.0	23.5	23.3	23.2	-.57	-.75	-.82	-.18	-.25
14:00	25.5	24.9	24.7	24.6	-.63	-.79	-.90	-.16	-.27
15:00	25.1	24.6	24.4	24.4	-.47	-.65	-.71	-.19	-.24
16:00	24.6	24.1	23.9	23.9	-.52	-.65	-.71	-.13	-.20
17:00	24.8	24.4	24.3	24.2	-.38	-.52	-.59	-.14	-.21
18:00	24.5	24.2	24.0	24.0	-.33	-.52	-.57	-.19	-.24
19:00	23.9	24.0	23.9	23.9	.16	.02	-.01	-.14	-.17
20:00	21.5	22.3	23.0	23.3	.83	1.47	1.80	.64	.97
21:00	20.2	20.9	21.3	21.9	.66	1.09	1.67	.44	1.01
22:00	19.7	20.2	20.8	21.3	.51	1.01	1.53	.50	1.02
23:00	19.8	20.1	20.6	21.0	.38	.80	1.21	.42	.83
Avg	22.6	22.6	22.6	22.6	.00	-.01	.08	-.01	.08
Max	25.5	24.9	24.7	24.6	.83	1.47	1.80	.64	1.02
Hr. of Max	14	14	14	14	20	20	20	20	22
Min	19.7	20.1	20.6	21.0	-.63	-.79	-.90	-.20	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/20/2015

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	20.6	20.8	20.9	23.5	97.8	96.2	17.9	18.1	0.015776
01:00	20.4	20.7	20.6	23.6	97.9	96.6	17.7	18.0	0.015574
02:00	20.5	20.5	20.8	23.6	97.8	97.3	17.8	17.8	0.015679
03:00	20.6	20.6	20.9	23.6	96.6	96.5	17.9	17.9	0.015771
04:00	20.7	20.8	21.1	23.7	95.5	95.7	18.0	18.1	0.015902
05:00	20.7	20.8	21.1	23.7	94.7	95.2	18.0	18.0	0.015874
06:00	20.5	20.6	20.9	23.7	94.8	95.4	17.8	17.9	0.015691
07:00	20.6	20.6	21.0	23.8	95.0	95.4	17.8	17.9	0.015723
08:00	20.8	20.7	21.4	23.8	92.6	92.9	18.1	18.0	0.015973
09:00	20.9	20.8	21.5	23.8	91.5	91.8	18.1	18.1	0.016053
10:00	20.9	20.7	21.8	23.8	87.6	87.7	18.1	17.9	0.016059
11:00	20.7	20.6	21.7	23.9	85.2	85.4	17.9	17.7	0.015865
12:00	20.8	20.7	21.4	23.9	92.8	93.3	18.1	18.0	0.015967
13:00	20.9	20.4	22.0	24.0	85.1	85.1	18.1	17.6	0.016083
14:00	20.3	19.5	22.0	24.1	74.8	74.0	17.3	16.6	0.015451
15:00	20.0	19.6	21.7	24.2	75.8	75.7	17.1	16.6	0.015215
16:00	21.0	20.4	22.2	24.4	82.6	82.4	18.1	17.6	0.016148
17:00	19.7	19.3	21.4	24.5	75.3	74.9	16.8	16.3	0.014907
18:00	19.3	18.9	21.0	24.7	74.3	74.1	16.3	16.0	0.014495
19:00	19.1	18.6	20.7	24.8	76.8	73.7	16.2	15.7	0.014364
20:00	19.6	18.8	20.2	24.9	90.8	82.4	16.8	16.0	0.014737
21:00	18.8	18.9	19.3	24.9	93.7	90.3	16.1	16.1	0.014019
22:00	18.5	18.6	18.9	24.9	94.9	92.5	15.8	15.9	0.013797
23:00	18.6	18.7	19.0	24.8	94.8	93.7	15.9	16.0	0.013799
Avg	20.2	20.0	21.0	24.1	89.1	88.3	17.4	17.2	0.015372
Max	21.0	20.8	22.2	24.9	97.9	97.3	18.1	18.1	0.016148
Hr. of Max	16	09	16	22	01	02	16	09	16
Min	18.5	18.6	18.9	23.5	74.3	73.7	15.8	15.7	0.013797
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2015

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	0.01598	24.3	24.6	.00	29.04	983.3	-2.9	.00	232.8
01:00	0.015871	24.0	24.5	.00	29.04	983.3	-2.7	.00	253.6
02:00	0.015725	24.2	24.2	.00	29.04	983.3	-1.7	.00	231.9
03:00	0.015826	24.3	24.4	.00	29.03	983.0	-1.9	.00	237.5
04:00	0.015962	24.5	24.6	.00	29.03	983.1	-2.7	.00	228.5
05:00	0.01595	24.5	24.6	.00	29.03	983.2	-2.9	.00	230.5
06:00	0.015828	24.2	24.4	.00	29.04	983.6	-2.3	.00	228.2
07:00	0.015796	24.3	24.4	.00	29.06	984.3	36.4	.05	224.8
08:00	0.015898	24.7	24.5	.00	29.08	984.9	98.0	.14	229.9
09:00	0.01597	24.8	24.7	.00	29.09	985.2	105.0	.15	225.5
10:00	0.015835	24.8	24.5	.00	29.10	985.5	216.3	.31	223.5
11:00	0.015717	24.5	24.3	.00	29.12	986.1	154.0	.22	266.2
12:00	0.015889	24.7	24.6	.13	29.12	986.2	141.1	.20	273.4
13:00	0.015543	24.8	24.0	.00	29.11	985.8	558.3	.80	260.3
14:00	0.014723	23.9	22.8	.00	29.10	985.4	642.3	.92	255.2
15:00	0.014776	23.5	22.9	.05	29.09	985.2	358.2	.51	265.7
16:00	0.015606	24.9	24.1	.00	29.09	985.0	496.1	.71	266.7
17:00	0.014497	23.1	22.4	.00	29.08	985.0	308.2	.44	279.6
18:00	0.01417	22.4	21.9	.00	29.09	985.3	239.8	.34	264.5
19:00	0.013939	22.2	21.6	.00	29.10	985.4	126.0	.18	278.2
20:00	0.014037	22.8	21.8	.00	29.11	985.9	5.7	.01	271.6
21:00	0.014083	21.7	21.8	.00	29.13	986.6	-2.4	.00	278.9
22:00	0.013872	21.4	21.5	.00	29.15	987.2	-2.1	.00	337.2
23:00	0.013957	21.4	21.7	.00	29.16	987.4	-2.8	.00	290.8
Avg	0.015227	23.7	23.5	.01	29.08	985.0	144.2	.21	254.0
Max	0.01598	24.9	24.7	.13	29.16	987.4	642.3	.92	337.2
Hr. of Max	00	16	09	12	23	23	14	14	22
Min	0.013872	21.4	21.5	.00	29.03	983.0	-2.9	.00	223.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2015

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	199.8	191.0	232.8	190.8	20.8	13.2	9.8	1.1	2.7
01:00	242.8	231.1	256.5	232.7	13.3	10.8	7.7	2.0	3.5
02:00	240.9	235.5	234.5	237.3	15.0	9.6	7.4	2.1	4.3
03:00	239.8	235.9	241.2	237.6	19.5	11.0	7.2	3.3	6.3
04:00	230.7	227.3	232.8	229.4	20.4	12.2	8.4	5.3	8.8
05:00	231.6	229.8	233.8	231.5	20.3	13.1	10.3	4.4	7.3
06:00	228.6	224.9	230.9	226.9	23.7	12.7	9.5	3.4	6.5
07:00	228.1	225.6	228.3	227.6	20.0	11.9	8.3	3.2	5.9
08:00	231.5	227.5	234.0	229.3	20.9	13.6	9.3	3.4	5.7
09:00	229.6	227.6	231.5	229.3	20.3	12.2	9.1	4.0	6.5
10:00	227.7	227.3	228.5	229.1	22.0	13.5	10.9	4.3	6.2
11:00	266.2	265.4	269.3	265.4	22.9	19.4	15.0	3.3	4.6
12:00	281.7	284.4	276.0	283.0	28.2	20.6	16.8	2.5	3.8
13:00	269.2	271.2	264.3	270.5	34.0	31.1	25.4	3.3	4.0
14:00	259.0	259.9	258.5	260.6	31.3	27.5	22.0	3.9	5.3
15:00	268.6	269.1	268.4	268.6	32.1	26.5	20.3	3.4	4.9
16:00	281.0	291.6	269.8	290.0	30.2	27.6	26.9	3.0	3.9
17:00	298.3	299.6	280.4	297.1	32.7	27.7	20.6	3.2	4.3
18:00	282.5	284.5	268.5	283.2	27.9	25.3	19.0	3.4	4.8
19:00	292.5	293.2	279.0	292.1	34.8	32.9	23.1	1.6	2.5
20:00	280.6	288.9	273.7	287.0	16.4	17.5	7.4	2.0	3.8
21:00	229.1	243.5	279.2	243.4	12.6	11.8	15.5	1.2	2.2
22:00	64.8	70.5	331.1	71.9	50.4	27.9	41.4	.7	.4
23:00	91.9	253.9	291.3	240.7	41.1	54.2	56.2	.8	.2
Avg	250.0	251.0	257.0	251.0	25.5	20.2	17.0	.0	.0
Max	298.3	299.6	331.1	297.1	50.4	54.2	56.2	5.3	8.8
Hr. of Max	17	17	22	17	22	23	23	04	04
Min	64.8	70.5	228.3	71.9	12.6	9.6	7.2	.7	.2
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)

8/20/2015

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	4.0	1.1	2.7	4.1	1.6	4.2	-1.7	-2.2	-.08
01:00	4.9	2.1	3.7	5.2	2.3	5.4	-1.5	-.7	-.08
02:00	6.5	2.2	4.4	6.6	2.6	7.0	-1.0	.4	-.11
03:00	8.8	3.5	6.5	8.9	3.8	9.5	.5	.2	-.08
04:00	11.7	5.6	9.0	11.9	6.1	12.6	-.5	-.4	-.24
05:00	9.6	4.7	7.5	9.8	5.0	10.4	.5	.4	-.17
06:00	8.8	3.6	6.6	8.9	4.1	9.5	1.0	.4	-.12
07:00	8.1	3.4	6.1	8.2	3.9	8.7	.8	-.3	-.05
08:00	7.6	3.6	5.8	7.7	4.1	8.2	.4	-.8	-.15
09:00	7.8	4.2	6.6	7.9	4.7	8.4	.5	-.1	-.13
10:00	7.2	4.5	6.4	7.4	5.1	7.9	-1.5	-1.7	-.27
11:00	6.0	3.8	5.3	6.7	4.1	7.0	-3.4	-1.0	-.35
12:00	5.4	3.0	4.3	5.8	3.3	5.9	-3.6	-1.5	-.35
13:00	4.6	3.8	4.6	5.1	4.1	5.6	-1.6	-4.1	-.29
14:00	6.3	4.5	5.9	6.7	5.0	7.3	-.2	1.4	-.21
15:00	6.1	4.0	5.6	6.7	4.3	7.1	1.5	2.4	-.13
16:00	5.0	3.4	4.3	5.4	3.8	5.7	-1.5	-2.9	-.26
17:00	5.4	3.6	4.8	5.7	4.1	5.9	-1.2	-.6	-.33
18:00	6.1	3.7	5.1	6.4	4.1	6.6	-2.0	-3.7	-.30
19:00	3.7	1.9	2.9	4.0	2.4	4.2	1.4	2.8	-.09
20:00	5.0	2.0	3.9	5.1	2.1	5.0	1.5	2.7	-.02
21:00	2.5	1.3	2.3	2.6	1.5	2.9	-1.8	.9	-.06
22:00	.2	1.0	1.3	1.8	1.3	2.1	1.4	6.1	.03
23:00	.3	1.3	.9	.8	1.6	1.2	2.6	-.8	.04
Avg	.0	3.2	4.9	6.2	3.5	6.6	-.4	-.1	-.16
Max	11.7	5.6	9.0	11.9	6.1	12.6	2.6	6.1	.04
Hr. of Max	04	04	04	04	04	04	23	22	23
Min	.2	1.0	.9	.8	1.3	1.2	-3.6	-4.1	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2015

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	-.19	3.0	5.7	8.0	4.5	7.6	11.8	7.6
01:00	-.06	4.6	8.2	9.2	5.0	10.1	7.7	4.6
02:00	.03	6.9	9.2	12.6	8.0	14.0	9.7	4.9
03:00	.00	8.5	12.6	18.3	9.3	14.8	14.3	5.0
04:00	-.18	14.4	17.2	21.1	15.5	21.7	16.1	6.5
05:00	-.03	14.9	17.9	20.6	12.8	17.7	17.6	8.2
06:00	-.02	9.6	14.2	16.0	10.9	14.9	17.6	7.3
07:00	-.08	8.2	13.7	16.3	10.2	13.8	15.5	6.2
08:00	-.19	12.1	17.2	25.4	10.6	14.9	16.7	7.5
09:00	-.08	10.3	12.1	13.1	11.1	14.4	16.4	7.5
10:00	-.32	10.8	12.8	14.7	11.6	12.8	14.5	8.4
11:00	-.22	10.5	12.1	11.4	10.4	13.0	16.1	9.9
12:00	-.28	11.0	13.1	12.8	11.2	13.2	17.5	13.0
13:00	-.54	10.3	11.4	13.3	11.6	13.9	20.5	15.1
14:00	-.02	11.9	18.5	23.1	14.4	13.5	18.6	14.7
15:00	-.05	13.1	15.6	19.0	12.2	20.1	21.9	15.7
16:00	-.47	11.2	13.3	18.5	12.3	15.3	19.7	17.2
17:00	-.36	10.3	11.7	13.5	11.5	13.7	22.4	16.6
18:00	-.59	11.2	14.4	14.2	10.9	15.2	19.3	13.2
19:00	-.01	9.2	10.5	12.4	9.9	14.3	23.5	17.8
20:00	.25	4.6	6.6	7.3	5.2	7.7	11.1	6.1
21:00	.03	3.4	3.7	7.3	2.9	5.2	6.1	4.2
22:00	.22	3.4	5.7	6.6	3.6	4.9	11.5	17.2
23:00	-.02	3.0	2.5	2.5	3.1	3.5	9.6	15.2
Avg	-.13	9.0	11.7	14.1	9.5	12.9	15.7	10.4
Max	.25	14.9	18.5	25.4	15.5	21.7	23.5	17.8
Hr. of Max	20	05	14	08	04	04	19	19
Min	-.59	3.0	2.5	2.5	2.9	3.5	6.1	4.2
Count	24	24	24	24	24	24	24	24
Total								