Date Printed: 08/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2015

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	20.0	21.2	22.1	23.4	1.24	2.06	3.37	.82	2.13
01:00	19.4	20.5	21.0	22.0	1.07	1.66	2.59	.59	1.52
02:00	18.8	19.8	20.4	21.2	1.00	1.53	2.36	.53	1.36
03:00	18.4	19.4	19.8	20.5	.99	1.38	2.10	.39	1.11
04:00	18.0	19.0	19.4	20.2	.99	1.40	2.12	.41	1.13
05:00	17.7	18.7	19.1	19.9	.97	1.43	2.23	.46	1.26
06:00	17.6	18.6	19.1	20.0	.97	1.48	2.36	.51	1.40
07:00	17.9	18.6	19.0	19.5	.65	1.08	1.62	.42	.97
08:00	20.7 P	20.4 P	20.3 P	20.4 P	P	P	P	P	P
09:00	23.5	23.1	22.8	22.6	-.40	-.68	-.89	-.28	-.49
10:00	25.5	24.6	24.3	24.2	-.82	-1.13	-1.27	-.32	-.45
11:00	26.4	25.6	25.3	25.2	-.80	-1.15	-1.29	-.34	-.49
12:00	27.2	26.4	26.1	26.0	-.79	-1.09	-1.25	-.30	-.46
13:00	28.0	27.3	27.0	26.9	-.70	-1.00	-1.11	-.30	-.41
14:00	28.6	27.7	27.5	27.4	-.84	-1.09	-1.20	-.24	-.36
15:00	29.3	28.3	28.0	27.8	-1.02	-1.34	-1.50	-.32	-.49
16:00	29.5	28.6	28.3	28.1	-.91	-1.22	-1.37	-.32	-.46
17:00	29.3	28.5	28.1	27.9	-.78	-1.14	-1.32	-.36	-.54
18:00	27.5	27.1	27.0	27.0	-.38	-.52	-.49	-.14	-.11
19:00	25.9	26.3	26.2	26.3	.35	.30	.37	-.06	.02
20:00	22.5	24.6	24.9	25.1	2.12	2.38	2.61	.26	.49
21:00	20.3	21.8	23.1	24.0	1.43	2.77	3.63	1.34	2.20
22:00	18.7	20.6	21.9	22.9	1.91	3.23	4.21	1.32	2.30
23:00	17.8	19.7	20.7	22.4	1.89	2.95	4.56	1.06	2.67
Avg	22.9	23.2	23.4	23.8	.35	.58	.98	.22	.62
Max	29.5	28.6	28.3	28.1	2.12	3.23	4.56	1.34	2.67
Hr. of Max	16	16	16	16	20	22	23	21	23
Min	17.6	18.6	19.0	19.5	-1.02	-1.34	-1.50	-.36	-.54
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2015

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	18.1	18.5	18.7	27.0	90.6	86.4	15.4	15.7	0.01339
01:00	17.7	18.3	18.3	26.9	91.9	89.7	15.0	15.6	0.013072
02:00	17.4	18.3	17.8	26.7	93.0	92.8	14.7	15.6	0.012792
03:00	17.0	18.1	17.5	26.5	93.6	94.5	14.4	15.5	0.012504
04:00	16.7	18.0	17.2	26.4	93.9	95.5	14.2	15.3	0.012281
05:00	16.4	17.6	16.8	26.2	94.0	95.7	13.9	15.0	0.012017
06:00	16.4	17.6	16.8	26.0	94.0	95.7	13.9	15.0	0.011983
07:00	16.6	17.4	17.0	25.8	93.8	94.8	14.1	14.8	0.012169
08:00	P	P	P	25.7 P	85.5 P	82.4 P	P	P	P
09:00	18.0	17.0	19.8	25.5	73.2	70.2	15.2	14.2	0.013346
10:00	16.8	16.1		25.5	60.3	60.5	14.0	13.4	0.012393
11:00	16.4	15.9	19.8	25.5	55.5	56.1	13.6	13.2	0.012099
12:00	15.6	15.2	19.5	25.7	50.5	51.3	12.9	12.6	0.011506
13:00	14.2	13.7	18.8	25.9	44.2	44.5	11.8	11.5	0.010549
14:00	14.6	14.0	19.2	26.2	43.7	44.3	12.1	11.7	0.010794
15:00	13.6	13.3	18.8	26.3	39.2	40.8	11.3	11.2	0.010133
16:00	13.0	12.8	18.5	26.5	37.4	38.8	10.9	10.7	0.009749
17:00	13.6	13.4	18.8	26.6	39.3	40.8	11.3	11.2	0.010125
18:00	14.5	14.5	18.8	26.7	46.1	47.0	12.0	12.0	0.010715
19:00	14.9	14.4	18.6	26.8	52.0	49.1	12.4	12.0	0.010984
20:00	15.9	14.4	18.1	26.8	67.9	54.4	13.3	12.1	0.011687
21:00	15.6	15.1	17.2	26.8	75.9	67.3	13.1	12.7	0.011427
22:00	15.3	14.9	16.5	26.6	82.3	71.0	13.0	12.5	0.011211
23:00	15.0	14.9	16.0	26.5	85.5	75.6	12.8	12.6	0.010988
Avg	15.8	15.8	18.1	26.3	70.1	68.3	13.3	13.3	0.011648
Max	18.1	18.5	19.8	27.0	94.0	95.7	15.4	15.7	0.01339
Hr. of Max	00	00	11	00	06	06	00	00	00
Min	13.0	12.8	16.0	25.5	37.4	38.8	10.9	10.7	0.009749
Count	23	23	22	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2015

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	0.01379	20.8	21.4	.00	29.10	985.6	-2.6	.00	306.1
01:00	0.013639	20.3	21.2	.00	29.11	986.0	-1.0	.00	269.9
02:00	0.013586	19.9	21.1	.00	29.12	986.1	-1.4	.00	265.6
03:00	0.013442	19.4	20.9	.00	29.12	986.0	-3.5	-.01	289.0
04:00	0.013294	19.1	20.6	.00	29.12	986.1	-3.2	.00	281.8
05:00	0.013008	18.7	20.2	.00	29.12	986.1	-2.9	.00	265.2
06:00	0.012966	18.6	20.1	.00	29.13	986.4	.1	.00	298.0
07:00	0.012802	18.9	19.9	.00	29.14	986.9	46.5	.07	248.4
08:00	P	P	P	.00 P	29.15 P	987.3 P	264.3 P	.38 P	200.2 P
09:00	0.012498	20.7	19.5	.00	29.16	987.6	492.7	.71	190.8
10:00	0.011845	19.3	18.5	.00	29.17	988.0	698.1	1.00	87.0
11:00	0.011654	18.8	18.2	.00	29.17	987.9	739.1	1.06	70.6
12:00	0.011156	17.9	17.4	.00	29.16	987.6	749.8	1.07	41.8
13:00	0.010216	16.5	15.9	.00	29.15	987.1	669.2	.96	52.2
14:00	0.010417	16.8	16.3	.00	29.14	986.8	653.2	.94	2.4
15:00	0.009945	15.8	15.5	.00	29.13	986.4	836.6	1.20	345.4
16:00	0.009587	15.2	15.0	.00	29.12	986.1	730.1	1.05	345.6
17:00	0.010029	15.8	15.6	.00	29.11	985.9	443.0	.64	7.2
18:00	0.010684	16.7	16.6	.00	29.11	986.0	220.1	.32	330.9
19:00	0.01063	17.1	16.6	.00	29.12	986.2	108.0	.15	328.9
20:00	0.010642	18.2	16.6	.00	29.13	986.5	6.9	.01	328.2
21:00	0.01108	17.8	17.3	.00	29.15	987.0	-1.2	.00	313.3
22:00	0.010879	17.5	17.0	.00	29.16	987.6	-.7	.00	286.6
23:00	0.010932	17.1	17.1	.00	29.17	987.7	-.7	.00	300.7
Avg	0.011684	18.1	18.2	.00	29.14	986.7	276.7	.40	314.0
Max	0.01379	20.8	21.4	.00	29.17	988.0	836.6	1.20	345.6
Hr. of Max	00	00	00	23	23	10	15	15	16
Min	0.009587	15.2	15.0	.00	29.10	985.6	-3.5	-.01	2.4
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2015

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	89.3	352.5	308.5	351.4	31.8	50.8	28.4	.7	.1
01:00	181.3	224.7	268.8	221.6	27.8	40.9	43.7	.8	.4
02:00	183.1	263.4	263.9	251.9	33.6	43.7	18.9	.8	.7
03:00	212.0	235.6	290.7	225.9	56.4	46.0	55.5	.6	.7
04:00	117.2	360.0	278.5	251.8	35.1	57.0	45.4	.6	.1
05:00	142.5	117.1	258.4	114.8	49.9	50.8	54.0	.7	.3
06:00	64.4	41.3	292.4	38.3	34.9	16.6	18.2	.6	.2
07:00	133.8	23.5	247.0	21.5	25.3	37.0	21.6	.5	.5
08:00	95.0 P	46.7 P	210.4 P	46.1 P	55.5 P	28.1 P	41.5 P	.2 P	.2 P
09:00	171.1	204.9	194.3	204.3	48.5	68.2	61.3	.9	.6
10:00	85.1	76.9	90.3	73.3	35.6	30.0	29.7	3.6	4.4
11:00	49.5	14.1	73.9	11.6	76.9	71.8	63.4	.5	1.1
12:00	51.8	24.4	45.8	22.1	50.1	47.5	40.8	.8	1.6
13:00	55.5	38.4	60.5	36.9	71.5	75.3	66.9	1.2	1.7
14:00	22.1	16.1	357.9	10.0	73.5	67.8	59.4	.9	2.2
15:00	357.3	353.4	349.7	348.4	50.2	42.0	32.1	2.9	4.3
16:00	354.8	353.5	345.0	349.1	50.1	35.1	31.1	2.9	4.5
17:00	11.6	10.1	7.1	5.2	42.6	25.8	20.5	2.7	5.1
18:00	350.6	348.5	331.9	342.7	29.5	20.6	15.9	2.9	5.0
19:00	346.9	346.6	328.9	341.2	27.0	20.1	15.2	2.7	4.9
20:00	348.6	347.5	329.0	342.0	14.1	13.8	12.4	2.1	3.9
21:00	34.3	30.8	314.5	24.6	20.8	11.2	6.6	.8	3.1
22:00	29.9	26.1	284.1	19.8	18.5	40.6	6.7	.7	.8
23:00	56.4	25.2	289.6	18.7	46.5	26.1	6.8	.2	1.2
Avg	60.0	11.0	311.0	4.0	41.9	40.3	33.2	.0	.0
Max	357.3	360.0	357.9	351.4	76.9	75.3	66.9	3.6	5.1
Hr. of Max	15	04	14	00	11	13	13	10	17
Min	11.6	10.1	7.1	5.2	14.1	11.2	6.6	.2	.1
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)

8/12/2015

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	.6	.9	.8	.7	1.1	1.0	.9	1.9	.01
01:00	.7	1.0	.7	1.2	1.3	1.5	1.6	1.7	.04
02:00	1.1	.9	1.0	1.5	1.2	1.8	-.1	.4	-.01
03:00	1.0	.8	.8	1.5	1.1	1.7	3.1	1.6	.07
04:00	.4	.7	.3	.7	.9	1.0	1.3	1.6	.02
05:00	.3	.9	.6	.6	1.3	.9	.2	-1.5	.01
06:00	1.0	.7	.6	1.1	1.1	1.4	1.4	.2	.03
07:00	.8	.5	.8	.8	1.0	1.1	.8	.4	.01
08:00	.9 P	.2 P	.2 P	1.0 P	.7 P	1.4 P	-1.9 P	-11.3 P	-.01 P
09:00	.2	1.2	1.0	1.0	1.7	1.5	-.2	-5.0	.01
10:00	4.8	4.1	4.9	5.3	4.8	5.8	2.1	3.1	.07
11:00	1.9	2.8	3.4	3.7	3.4	4.3	-2.2	2.5	-.08
12:00	2.0	2.6	3.1	3.5	3.2	4.1	1.8	-1.8	.02
13:00	1.8	3.5	4.0	3.8	4.1	4.5	-.8	-.7	-.18
14:00	3.2	3.0	4.0	4.8	3.6	5.4	1.3	6.4	-.01
15:00	5.2	3.8	5.2	5.9	4.4	6.6	-1.9	-.6	-.50
16:00	5.4	4.0	5.4	6.4	4.5	7.0	-3.8	.1	-.49
17:00	6.3	3.8	5.8	6.9	4.4	7.5	-3.7	.3	-.57
18:00	7.1	3.2	5.3	7.4	3.7	7.9	-2.1	-.9	-.37
19:00	7.1	3.0	5.3	7.4	3.5	7.9	-5.1	-1.1	-.46
20:00	5.9	2.2	4.1	6.1	2.5	6.5	-3.1	.2	-.17
21:00	5.9	.9	3.2	6.0	1.1	6.2	-3.0	2.8	-.07
22:00	4.1	.7	.8	4.1	1.0	4.3	-.6	3.9	-.02
23:00	5.2	.3	1.4	5.2	.6	5.5	.5	3.0	.00
Avg	.0	1.9	2.6	3.6	2.3	4.0	-.6	.3	-.11
Max	7.1	4.1	5.8	7.4	4.8	7.9	3.1	6.4	.07
Hr. of Max	19	10	17	19	10	19	03	14	10
Min	.2	.2	.2	.6	.6	.9	-5.1	-11.3	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2015

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	.04	2.3	2.5	3.0	2.4	3.2	10.5	15.0
01:00	.04	3.2	1.8	5.0	3.7	3.9	10.3	13.1
02:00	.02	3.0	3.0	3.7	2.3	4.1	7.4	8.2
03:00	.03	2.5	3.0	4.8	2.7	4.9	8.2	9.8
04:00	.06	2.1	1.4	4.1	2.6	4.3	7.0	11.5
05:00	-.03	2.1	3.0	5.3	2.5	2.7	6.1	15.3
06:00	.02	3.0	2.1	2.5	2.3	3.1	6.3	9.7
07:00	.00	1.8	3.9	3.4	2.3	3.1	7.2	9.9
08:00	-.30 P	<	<	<	<	<	<	<
09:00	-.13	3.7	3.9	3.9	4.8	4.6	29.8	32.3
10:00	.22	10.3	12.8	11.9			20.9	19.8
11:00	.14	8.9	9.2	8.5	8.7	10.1	28.3	27.1
12:00	-.13	9.4	11.7	10.1	11.3	9.6	28.0	27.1
13:00	-.02	19.7	23.1	23.6	20.5	25.3	24.8	30.2
14:00	.39	12.8	13.3	14.2	12.6	15.7	25.1	23.8
15:00	-.24	13.1	12.6	16.0	13.5	17.4	24.4	19.5
16:00	-.19	13.5	14.2	21.3	13.1	13.3	22.4	17.3
17:00	-.09	11.4	14.7	15.3	12.3	15.2	23.5	14.5
18:00	-.25	12.6	13.3	15.3	13.3	14.3	20.5	9.9
19:00	-.24	8.0	13.5	23.1	10.7	13.6	17.8	9.4
20:00	-.01	6.0	9.8	14.4	6.3	12.1	9.7	6.1
21:00	.28	4.6	9.6	13.7	3.4	9.5	11.4	4.3
22:00	.29	2.5	3.9	11.9	2.1	8.3	10.1	5.6
23:00	.28	2.3	4.1	10.3	1.8	9.3	11.2	5.2
Avg	.01	6.9	8.3	10.7	7.1	9.4	16.1	15.0
Max	.39	19.7	23.1	23.6	20.5	25.3	29.8	32.3
Hr. of Max	14	13	13	13	13	13	09	09
Min	-.30	1.8	1.4	2.5	1.8	2.7	6.1	4.3
Count	24	23	23	23	22	22	23	23
Total								