Date Printed: 03/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	6.4	9.1	10.4	12.8	2.74	4.07	6.48	1.34	3.74
01:00	5.6	7.9	9.5	11.7	2.31	3.83	6.05	1.52	3.74
02:00	4.9	7.0	8.4	10.5	2.13	3.54	5.67	1.41	3.54
03:00	4.3	6.3	7.3	9.5	2.00	2.97	5.17	.96	3.17
04:00	3.3	5.3	6.2	7.6	2.02	2.88	4.32	.86	2.30
05:00	2.7	4.7	5.6	7.4	2.01	2.91	4.69	.90	2.67
06:00	2.3	4.1	4.7	6.2	1.76	2.40	3.82	.64	2.06
07:00	2.3	3.8	4.7	5.9	1.47	2.41	3.55	.94	2.08
08:00	2.8	4.0	4.5	6.0	1.11	1.61	3.12	.50	2.01
09:00	6.6	6.5	6.5	6.9	-.14	-.12	.30	.02	.44
10:00	11.5	11.2	11.1	11.0	-.28	-.47	-.50	-.19	-.21
11:00	16.2	15.6	15.3	15.2	-.66	-.95	-1.04	-.28	-.37
12:00	19.3	18.6	18.3	18.1	-.76	-1.06	-1.22	-.30	-.47
13:00	22.0	21.2	20.9	20.8	-.82	-1.10	-1.16	-.28	-.34
14:00	23.3	22.5	22.3	22.2	-.81	-1.06	-1.14	-.25	-.33
15:00	24.7	23.9	23.6	23.5	-.81	-1.13	-1.19	-.31	-.38
16:00	25.5	24.9	24.5	24.4	-.60	-.95	-1.09	-.35	-.49
17:00	25.7	25.4	25.1	25.0	-.27	-.57	-.68	-.29	-.41
18:00	24.6	24.8	24.6	24.5	.13	-.07	-.16	-.19	-.28
19:00	21.9	23.6	23.8	23.9	1.68	1.83	1.91	.15	.22
20:00	16.6	21.1	22.0	22.6	4.49	5.43	6.08	.94	1.58
21:00	13.8	17.9	20.3	21.5	4.10	6.48	7.69	2.38	3.59
22:00	12.0	15.3	17.9	20.5	3.28	5.87	8.49	2.59	5.21
23:00	10.4	13.7	15.9	19.1	3.32	5.50	8.59 +	2.18	5.37
Avg	12.9	14.1	14.7	15.7	1.23	1.84	2.82	.62	1.60
Max	25.7	25.4	25.1	25.0	4.49	6.48	8.59	2.59	5.37
Hr. of Max	17	17	17	17	20	21	23	22	23
Min	2.3	3.8	4.5	5.9	-.82	-1.13	-1.22	-.35	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	4.7	6.0	5.3	12.9	90.1	81.6	6.6	7.2	0.005416
01:00	4.2	5.1	4.7	12.6	91.5	83.1	6.4	6.8	0.005233
02:00	3.7	5.1	4.1	12.2	92.9	88.2	6.2	6.8	0.00504
03:00	3.2	4.5	3.6	11.9	93.3	89.0	6.0	6.5	0.004865
04:00	2.3	4.0	2.7	11.6	94.3	92.4	5.7	6.4	0.004569
05:00	1.8	3.6	2.1	11.3	94.6	93.5	5.5	6.2	0.004396
06:00	1.5	3.2	1.8	11.0	94.6	94.4	5.3	6.0	0.004288
07:00	1.5	2.8	1.8	10.7	95.2	94.0	5.4	5.9	0.004308
08:00	1.9	2.6	2.2	10.4	94.3	91.8	5.5	5.8	0.004433
09:00	4.3	3.3	5.1	10.2	85.6	81.0	6.4	6.0	0.005245
10:00	5.2	4.2	7.3	10.1	66.5	63.3	6.8	6.3	0.005622
11:00	4.8	3.9	8.6	10.4	47.4	46.5	6.5	6.1	0.005479
12:00	3.9	2.7	9.0	10.9	36.9	35.6	6.1	5.6	0.005187
13:00	.3	-.8	7.5	11.7	24.5	23.6	4.7	4.3	0.004061
14:00	.0	-1.1	7.8	12.4	22.0	21.3	4.6	4.2	0.003982
15:00	.4	-.9	8.5	13.2	20.8	19.9	4.7	4.3	0.004094
16:00	-.3	-1.7	8.3	13.8	19.1	17.9	4.5	4.1	0.003926
17:00	-1.5	-2.9	7.5	14.1	17.2	15.9	4.1	3.7	0.003589
18:00	.5	-.7	8.5	14.3	21.1	19.2	4.7	4.4	0.004135
19:00	1.3	-.4	8.2	14.4	26.5	21.0	5.1	4.5	0.004373
20:00	3.4	.1	7.8	14.3	42.3	25.5	5.9	4.6	0.005021
21:00	3.8	.6	7.1	14.1	51.7	31.8	6.1	4.8	0.005141
22:00	3.8	1.9	6.5	13.9	57.9	41.1	6.1	5.3	0.005123
23:00	3.9	3.8	6.0	13.6	64.7	51.9	6.2	6.1	0.005147
Avg	2.4	2.0	5.9	12.3	60.2	55.1	5.6	5.5	0.004695
Max	5.2	6.0	9.0	14.4	95.2	94.4	6.8	7.2	0.005622
Hr. of Max	10	00	12	19	07	06	10	00	10
Min	-1.5	-2.9	1.8	10.1	17.2	15.9	4.1	3.7	0.003589
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	0.005918	8.6	9.4	.00	29.31	992.7	-2.4	.00	156.0
01:00	0.005568	8.3	8.8	.00	29.31	992.4	-2.3	.00	47.2
02:00	0.005548	8.0	8.8	.00	29.30	992.4	-2.3	.00	75.1
03:00	0.005338	7.7	8.4	.00	29.31	992.6	-2.1	.00	107.9
04:00	0.005159	7.2	8.2	.00	29.31	992.5	-2.3	.00	4.3
05:00	0.005014	7.0	7.9	.00	29.31	992.7	-2.5	.00	93.2
06:00	0.004848	6.8	7.7	.00	29.32	993.0	-2.3	.00	98.0
07:00	0.004725	6.8	7.5	.00	29.33	993.1	-.6	.00	81.7
08:00	0.004661	7.0	7.4	.00	29.33	993.2	103.3	.15	87.4
09:00	0.004912	8.3	7.8	.00	29.33	993.2	346.5	.50	137.6
10:00	0.005252	8.9	8.3	.00	29.32	993.0	549.3	.79	175.5
11:00	0.005148	8.7	8.1	.00	29.31	992.7	723.4	1.04	217.0
12:00	0.004772	8.2	7.6	.00	29.29	991.9	754.4	1.08	197.5
13:00	0.003728	6.4	5.9	.00	29.26	991.0	868.8	1.25	248.8
14:00	0.003662	6.3	5.8	.00	29.23	989.8	860.0	1.23	201.7
15:00	0.003735	6.5	5.9	.00	29.19	988.4	803.6	1.15	210.3
16:00	0.003547	6.2	5.6	.00	29.16	987.3	671.3	.96	199.7
17:00	0.003253	5.7	5.1	.00	29.13	986.5	363.0	.52	212.2
18:00	0.003799	6.5	6.0	.00	29.12	986.0	164.1	.24	194.2
19:00	0.00387	6.9	6.1	.00	29.11	986.0	31.5	.05	201.6
20:00	0.004008	7.9	6.3	.00	29.11	985.9	-2.7	.00	259.1
21:00	0.004114	8.1	6.5	.00	29.12	986.1	-1.2	.00	228.7
22:00	0.004494	8.1	7.1	.00	29.12	986.2	-2.7	.00	210.6
23:00	0.005144	8.1	8.1	.00	29.11	985.9	-1.9	.00	110.5
Avg	0.004592	7.4	7.3	.00	29.24	990.2	258.9	.37	167.0
Max	0.005918	8.9	9.4	.00	29.33	993.2	868.8	1.25	259.1
Hr. of Max	00	10	00	23	09	09	13	13	20
Min	0.003253	5.7	5.1	.00	29.11	985.9	-2.7	.00	4.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	184.6	232.6	173.4	231.9	49.5	34.3	11.7	.5	.7
01:00	21.7	238.8	95.9	239.9	26.7	23.5	8.2	.1	.1
02:00	55.1	211.3	79.1	215.1	26.5	7.2	16.0	.3	1.1
03:00	79.8	48.6	137.2	46.4	41.0	18.9	31.3	.4	1.9
04:00	92.9	137.3	267.4	141.6	44.8	41.7	31.3	.1	.3
05:00	55.6	227.3	128.0	227.3	35.5	31.3	20.6	.2	.5
06:00	50.3	289.3	106.1	288.5	45.4	23.8	20.1	.1	.4
07:00	60.8	57.5	74.1 +	52.9	37.2	14.4	11.6	.7	1.7
08:00	70.0	49.3	91.2	44.0	22.2	13.1	18.9	.3	1.0
09:00	117.7	173.1	150.6	179.9	30.2	38.2	43.0	.3	.1
10:00	215.0	213.4	191.5	216.4	65.8	65.4	49.3	1.0	1.1
11:00	223.4	222.3	222.7	224.2	25.3	19.5	18.0	3.2	3.6
12:00	204.8	203.8	203.6	204.9	28.2	27.4	26.7	4.1	4.4
13:00	257.2	258.8	252.6	259.4	45.2	40.3	38.6	3.8	4.4
14:00	209.2	219.5	207.6	221.1	46.6	42.6	43.5	3.4	3.7
15:00	221.6	225.7	216.9	227.4	38.4	35.3	36.8	4.0	4.6
16:00	210.1	211.9	204.4	213.6	34.7	27.2	22.6	5.4	6.7
17:00	217.2	216.7	216.2	218.7	23.7	19.8	16.9	4.4	6.3
18:00	197.9	195.4	199.1	197.0	22.0	18.9	16.3	3.8	5.0
19:00	193.7	190.2	205.9	191.3	19.3	11.4	9.4	2.5	4.7
20:00	216.6	201.7	255.1	203.3	41.1	10.9	6.0	1.0	3.0
21:00	230.5	232.3	229.4	234.2	49.9	9.1	4.7	.6	3.0
22:00	228.7	236.1	183.7	237.8	57.9	9.8	3.5	.1	3.3
23:00	237.1	225.8	168.2	228.4	28.1	18.6	3.4	.1	1.5
Avg	187.0	214.0	182.0	217.0	36.9	25.1	21.2	.0	.0
Max	257.2	289.3	267.4	288.5	65.8	65.4	49.3	5.4	6.7
Hr. of Max	13	06	04	06	10	10	10	16	16
Min	21.7	48.6	74.1	44.0	19.3	7.2	3.4	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	2.2	.6	.9	2.3	1.0	2.6	2.7	-.2	.04
01:00	2.0	.3	.5	2.0	.6	2.4	1.9	1.9	.03
02:00	.2	.4	1.1	.8	.8	1.3	2.6	.1	.04
03:00	2.1	.7	1.9	2.2	1.0	2.6	1.9	1.7	.03
04:00	.2	.2	.3	.3	.7	.9	4.1	-.9	.06
05:00	.2	.3	.6	.3	.6	.7	2.4	-.9	.03
06:00	.7	.2	.4	1.1	.7	1.5	3.0	.5	.04
07:00	2.3	.8	1.8	2.4	1.2	2.8	1.4	.0	.02
08:00	1.3	.3	1.0	1.4	.8	1.8	2.8	.1	.04
09:00	.4	.4	.4	.5	1.0	1.0	-7.3	-.7	-.13
10:00	1.4	1.2	1.5	1.6	1.9	2.1	-3.7	-6.5	-.15
11:00	3.8	3.6	3.9	4.1	4.1	4.7	-1.4	-6.1	-.15
12:00	4.9	4.6	5.0	5.5	5.1	6.1	3.2	.0	.13
13:00	4.6	4.7	5.2	5.4	5.4	6.2	-3.0	-1.5	-.41
14:00	3.9	4.5	4.7	4.8	5.0	5.6	-3.5	-1.1	-.30
15:00	5.1	4.6	5.3	5.8	5.2	6.6	2.1	3.4	.05
16:00	7.4	6.1	7.3	7.9	6.7	8.6	1.3	2.0	-.02
17:00	7.3	4.9	6.7	7.6	5.7	8.2	1.6	1.3	.04
18:00	6.0	4.2	5.3	6.3	4.6	6.8	2.6	3.6	.08
19:00	6.3	2.7	4.8	6.4	3.1	6.7	.8	1.2	.01
20:00	5.5	1.1	3.1	5.5	1.4	5.9	1.7	.9	.03
21:00	6.4	.7	3.1	6.4	1.1	6.9	.9	2.4	.02
22:00	7.5	.2	3.4	7.5	.5	8.0	1.9	2.5	.03
23:00	6.1	.3	1.5	6.1	.8	6.6	1.9	1.3	.03
Avg	.0	2.0	2.9	3.9	2.5	4.4	.9	.2	-.02
Max	7.5	6.1	7.3	7.9	6.7	8.6	4.1	3.6	.13
Hr. of Max	22	16	16	16	16	16	04	18	12
Min	.2	.2	.3	.3	.5	.7	-7.3	-6.5	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2015

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	.03	2.7	3.0	4.4	3.1	4.8	6.9	6.1
01:00	.08	4.8	3.2	7.3	3.0	4.1	5.7	2.6
02:00	.00	1.8	3.0	2.5	2.0	2.8	7.5	5.4
03:00	.09	3.0	5.7	4.1	2.7	4.7	7.2	3.7
04:00	-.01	1.1	1.4	1.1	1.7	1.6	8.2	5.7
05:00	-.01	1.6	1.6	1.8	2.1	1.7	5.6	5.4
06:00	.02	1.1	2.3	3.4	2.0	3.8	8.5	5.0
07:00	.00	3.7	4.4	5.7	4.1	4.0	6.8	2.8
08:00	.02	2.1	3.0	3.2	2.4	3.4	8.4	5.1
09:00	-.01	1.8	2.1	2.5	2.8	2.9	24.5	13.2
10:00	-.23	6.0	6.9	5.0	6.5	6.2	29.0	25.6
11:00	-.54	8.0	9.4	9.8	10.0	10.4	18.6	20.1
12:00	-.09	15.3	17.4	16.0	11.0	12.8	18.9	19.0
13:00	-.32	12.1	14.4	13.1	15.4	15.3	21.2	23.6
14:00	-.18	11.4	12.6	13.7	12.3	14.1	21.5	27.0
15:00	.17	12.8	15.8	14.4	13.8	14.5	22.5	22.1
16:00	.09	15.3	16.5	15.6	16.0	17.1	17.9	16.1
17:00	.07	13.5	14.9	15.1	14.3	16.8	16.3	12.2
18:00	.21	13.1	11.4	13.3	11.7	14.4	15.9	14.0
19:00	.10	6.4	8.7	11.2	7.1	10.9	11.3	7.9
20:00	.09	5.0	7.3	12.8	5.1	9.4	8.7	3.6
21:00	.30	3.7	6.2	11.2	4.2	12.1	8.1	2.2
22:00	.35	2.7	7.3	14.7	3.6	11.9	8.5	2.0
23:00	.16	1.4	8.5	14.7	1.5	8.7	6.3	1.6
Avg	.02	6.3	7.8	9.0	6.6	8.7	13.1	10.5
Max	.35	15.3	17.4	16.0	16.0	17.1	29.0	27.0
Hr. of Max	22	16	12	12	16	16	10	14
Min	-.54	1.1	1.4	1.1	1.5	1.6	5.6	1.6
Count	24	24	24	24	24	24	24	24
Total								