Date Printed: 06/26/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2015

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	22.7	23.4	23.5	23.6	.66	.78	.91	.12	.25
01:00	22.0	22.7	23.0	23.2	.74	.99	1.20	.25	.45
02:00	21.5	22.2	22.3	22.5	.76	.82	1.01	.06	.25
03:00	20.9	21.4	21.8	22.1	.56	.94	1.23	.37	.67
04:00	20.4	21.0	21.4	21.7	.67	1.08	1.36	.42	.69
05:00	20.0	20.8	21.1	21.5	.77	1.10	1.50	.33	.73
06:00	19.8	20.4	20.7	21.0	.58	.82	1.20	.24	.62
07:00	20.6	20.4	20.4	20.5	-.19	-.25	-.12	-.06	.07
08:00	21.8	21.4	21.2	21.4	-.33	-.52	-.42	-.20	-.09
09:00	23.9	23.5	23.3	23.2	-.45	-.67	-.73	-.22	-.28
10:00	26.3	25.7	25.4	25.3	-.62	-.89	-1.03	-.27	-.41
11:00	28.2	27.4	27.1	27.0	-.86	-1.17	-1.27	-.31	-.41
12:00	29.5	28.4	28.1	28.0	-1.06	-1.38	-1.50	-.32	-.44
13:00	30.0	29.1	28.8	28.7	-.96	-1.27	-1.36	-.31	-.40
14:00	30.0	29.2	28.8	28.7	-.81	-1.19	-1.28	-.38	-.47
15:00	29.5	28.9	28.6	28.5	-.63	-.95	-1.05	-.32	-.41
16:00	29.7	29.1	28.8	28.7	-.55	-.86	-.94	-.31	-.39
17:00	30.7	29.9	29.6	29.4	-.76	-1.10	-1.26	-.34	-.50
18:00	30.2	29.7	29.5	29.4	-.44	-.70	-.77	-.26	-.32
19:00	29.0	29.4	29.4	29.5	.32	.38	.49	.06	.17
20:00	26.4	27.0	28.5	29.1	.68	2.10	2.75	1.41	2.06
21:00	24.4	25.7	26.7	27.3	1.31	2.33	2.92	1.02	1.61
22:00	23.8	25.1	25.6	26.2	1.32	1.85	2.49	.53	1.16
23:00	23.0	24.2	24.7	25.3	1.18	1.65	2.29	.48	1.12
Avg	25.2	25.3	25.3	25.5	.08	.16	.32	.08	.24
Max	30.7	29.9	29.6	29.5	1.32	2.33	2.92	1.41	2.06
Hr. of Max	17	17	17	19	22	21	21	20	20
Min	19.8	20.4	20.4	20.5	-1.06	-1.38	-1.50	-.38	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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6/25/2015

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	21.1	21.6	21.6	28.3	92.8	92.6	18.3	19.0	0.016163
01:00	20.4	21.2	20.9	28.0	93.3	93.8	17.7	18.5	0.015529
02:00	20.0	20.7	20.5	27.8	93.5	93.5	17.2	18.0	0.015109
03:00	19.5	20.3	20.0	27.5	94.2	95.9	16.8	17.6	0.014678
04:00	19.0	20.1	19.5	27.2	94.3	96.7	16.3	17.4	0.014233
05:00	18.7	19.9	19.1	26.9	94.3	97.0	16.0	17.2	0.013915
06:00	18.5	19.6	19.0	26.7	94.2	97.1	15.8	16.8	0.013763
07:00	19.5	19.7	19.9	26.4	95.6	98.2	16.8	17.0	0.014642
08:00	20.1	20.1	20.7	26.3	92.6	94.3	17.4	17.3	0.015225
09:00	20.4	20.0	21.6	26.2	82.6	82.7	17.5	17.1	0.015477
10:00	20.3	19.8	22.3	26.2	71.3	71.9	17.3	16.9	0.015391
11:00	20.3	19.9	23.0	26.5	64.1	65.6	17.3	16.9	0.015475
12:00	19.9	19.6	23.1	26.9	58.0	60.5	16.8	16.5	0.015077
13:00	19.7	19.5	23.1	27.5	55.5	57.8	16.5	16.3	0.014908
14:00	20.4	20.2	23.6	28.1	58.3	60.3	17.3	17.1	0.015601
15:00	21.0	20.7	23.8	28.4	61.9	63.3	17.9	17.7	0.016173
16:00	21.3	21.1	24.1	28.6	62.6	64.0	18.2	18.1	0.016482
17:00	21.1	20.9	24.3	28.8	58.3	60.2	18.0	17.8	0.016308
18:00	21.2	21.1	24.2	29.0	60.8	61.7	18.2	18.0	0.016484
19:00	21.8	21.2	24.2	29.1	67.1	63.3	18.8	18.1	0.017025
20:00	21.7	21.4	23.3	29.1	77.9	73.5	18.9	18.5	0.016936
21:00	21.2	21.6	22.3	29.0	85.0	80.6	18.5	18.8	0.016434
22:00	21.2	21.8	22.0	28.7	87.8	84.6	18.4	19.1	0.016356
23:00	21.0	21.9	21.7	28.5	91.0	89.5	18.3	19.2	0.016189
Avg	20.4	20.6	22.0	27.7	78.6	79.1	17.5	17.7	0.015566
Max	21.8	21.9	24.3	29.1	95.6	98.2	18.9	19.2	0.017025
Hr. of Max	19	23	17	20	07	07	20	23	19
Min	18.5	19.5	19.0	26.2	55.5	57.8	15.8	16.3	0.013763
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2015

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	0.016769	25.0	26.0	.00	29.20	988.7	-2.6	.00	284.5
01:00	0.01634	24.1	25.3	.00	29.19	988.4	-2.1	.00	269.7
02:00	0.015813	23.4	24.5	.00	29.17	987.9	-2.3	.00	272.1
03:00	0.015454	22.8	23.9	.00	29.16	987.6	-1.6	.00	270.9
04:00	0.015212	22.1	23.6	.00	29.15	987.3	-2.7	.00	349.5
05:00	0.015013	21.6	23.3	.00	29.16	987.5	-1.2	.00	322.4
06:00	0.014695	21.4	22.8	.00	29.19	988.4	10.6	.02	265.8
07:00	0.014862	22.7	23.1	.00	29.20	989.0	89.6	.13	238.9
08:00	0.015187	23.6	23.6	.00	29.20	988.8	268.0	.38	208.3
09:00	0.015079	24.0	23.4	.00	29.22	989.4	435.7	.62	104.4
10:00	0.014959	23.9	23.2	.00	29.23	989.9	570.4	.82	187.8
11:00	0.01508	24.0	23.4	.00	29.22	989.4	651.1	.93	240.5
12:00	0.01477	23.4	22.9	.00	29.21	989.0	783.1	1.12	237.5
13:00	0.014688	23.1	22.8	.00	29.19	988.4	656.5	.94	231.1
14:00	0.015401	24.2	23.9	.00	29.16	987.7	581.0	.83	218.0
15:00	0.015945	25.0	24.7	.00	29.14	986.8	469.0	.67	207.2
16:00	0.016331	25.5	25.2	.00	29.12	986.1	431.9	.62	214.3
17:00	0.0161	25.2	24.9	.00	29.10	985.4	494.2	.71	211.4
18:00	0.016316	25.4	25.2	.00	29.08	984.9	268.5	.38	215.9
19:00	0.016403	26.2	25.3	.00	29.08	984.8	220.4	.32	288.6
20:00	0.016634	26.1	25.7	.00	29.09	985.1	28.8	.04	285.4
21:00	0.016848	25.3	26.0	.00	29.08	984.7	-1.5	.00	297.2
22:00	0.017057	25.2	26.3	.00	29.09	985.3	-2.6	.00	40.2
23:00	0.017094	25.0	26.4	.00	29.10	985.5	-2.2	.00	280.3
Avg	0.015752	24.1	24.4	.00	29.16	987.3	247.5	.36	252.0
Max	0.017094	26.2	26.4	.00	29.23	989.9	783.1	1.12	349.5
Hr. of Max	23	19	23	23	10	10	12	12	04
Min	0.014688	21.4	22.8	.00	29.08	984.7	-2.7	.00	40.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2015

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	211.5	190.3	257.8	191.0	59.9	33.9	24.0	.3	.7
01:00	209.4	175.7	272.0	176.6	19.2	33.7	16.0	1.5	1.4
02:00	238.3	196.4	274.5	197.5	16.0	16.2	11.0	1.8	2.2
03:00	268.8	239.5	269.8	241.8	28.4	31.8	30.7	1.2	1.4
04:00	2.3	344.8	333.8	338.9	37.2	47.6	36.6	.4	1.0
05:00	59.1	56.3	301.1	55.2	45.0	51.9	23.1	.2	.5
06:00	234.0	202.4	264.3	205.5	45.3	31.0	31.2	1.2	1.5
07:00	251.7	248.9	243.5	250.7	24.4	19.6	16.0	2.1	3.2
08:00	225.7	240.0	216.1	241.2	30.4	27.6	23.6	1.8	2.1
09:00	139.1	162.3	109.4	157.5	45.2	55.6	76.4	.7	.7
10:00	211.7	222.5	196.6	226.9	62.6	59.6	52.8	.8	.9
11:00	254.5	249.8	246.3	250.5	44.5	36.2	29.9	2.2	2.7
12:00	243.0	243.3	242.6	244.9	33.1	27.6	26.4	3.3	4.2
13:00	246.8	247.4	235.8	248.7	46.5	38.1	32.9	3.2	4.2
14:00	225.7	223.6	222.6	225.4	23.5	17.9	13.6	4.1	5.8
15:00	213.8	212.8	212.4	215.0	21.6	17.0	12.6	4.7	6.3
16:00	222.1	221.2	219.1	223.7	21.4	15.5	11.0	4.9	6.5
17:00	221.3	222.0	216.9	223.7	29.6	24.0	18.9	3.6	4.8
18:00	220.9	219.4	221.0	221.3	26.0	17.9	12.0	2.8	4.3
19:00	270.7	253.6	288.4	255.7	22.0	16.0	12.4	1.4	2.1
20:00	264.4	245.6	285.3	247.3	25.0	13.5	8.8	1.0	2.1
21:00	164.7	165.6	291.0	165.5	53.3	48.6	25.1	.8	.2
22:00	56.3	52.6	42.9	47.1	26.6	17.3	47.5	1.0	2.2
23:00	118.8	114.3	273.8	105.6	35.5	43.6	21.7	.8	.1
Avg	226.0	217.0	252.0	220.0	34.3	30.9	25.6	.0	.0
Max	270.7	344.8	333.8	338.9	62.6	59.6	76.4	4.9	6.5
Hr. of Max	19	04	04	04	10	10	09	16	16
Min	2.3	52.6	42.9	47.1	16.0	13.5	8.8	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2015

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	1.6	.5	1.6	2.5	1.0	2.9	1.0	-.8	.01
01:00	2.3	1.7	1.6	2.4	2.1	2.8	-.9	.0	-.04
02:00	2.8	1.8	2.3	2.9	2.1	3.2	-2.2	-1.7	-.09
03:00	1.6	1.7	1.9	1.8	2.1	2.1	.6	.2	-.01
04:00	.5	.6	1.2	1.2	.9	1.5	1.4	.1	.02
05:00	.9	.6	.8	1.1	1.0	1.5	1.3	1.2	.02
06:00	.9	1.3	1.6	1.4	1.7	1.7	1.5	-.7	-.01
07:00	3.7	2.3	3.3	3.9	2.8	4.2	.5	2.7	-.03
08:00	2.3	2.2	2.4	2.5	2.6	2.8	-.1	-2.9	-.05
09:00	.5	1.2	.9	.7	1.7	1.3	-8.9	-25.1	-.26
10:00	1.2	1.5	1.7	1.7	2.2	2.4	-4.2	-11.9	-.25
11:00	3.1	2.9	3.3	3.6	3.4	4.1	-1.1	1.8	-.08
12:00	4.6	3.9	4.7	4.9	4.5	5.5	-.1	.9	-.15
13:00	4.8	4.1	5.0	5.4	4.5	5.9	.1	2.4	-.12
14:00	6.8	4.5	6.1	7.0	5.1	7.5	1.6	.7	-.03
15:00	7.5	5.0	6.5	7.7	5.5	8.2	1.7	.6	-.05
16:00	7.8	5.2	6.7	8.0	5.8	8.5	-.3	-.6	-.24
17:00	5.6	4.0	5.1	5.9	4.5	6.4	1.3	1.8	-.06
18:00	5.5	3.1	4.6	5.7	3.6	6.1	-.8	-.6	-.14
19:00	2.7	1.6	2.3	2.9	1.9	3.1	-1.5	.2	-.10
20:00	2.7	1.4	2.6	3.1	1.7	3.3	-.4	1.8	-.03
21:00	.8	1.0	.4	.9	1.2	1.3	2.6	-.9	.05
22:00	2.8	1.1	2.3	2.9	1.4	3.3	.6	.8	-.01
23:00	.3	1.0	.1	.5	1.3	.7	1.0	-1.6	.02
Avg	.0	2.3	2.9	3.4	2.7	3.8	-.2	-1.3	-.07
Max	7.8	5.2	6.7	8.0	5.8	8.5	2.6	2.7	.05
Hr. of Max	16	16	16	16	16	16	21	07	21
Min	.3	.5	.1	.5	.9	.7	-8.9	-25.1	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2015

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	-.01	3.4	6.2	12.1	3.7	7.2	12.0	7.5
01:00	-.01	3.7	4.6	5.7	4.3	6.6	8.5	8.4
02:00	-.09	4.8	6.0	5.7	3.7	5.3	5.3	5.9
03:00	.00	3.4	3.9	3.9	4.0	4.1	8.3	9.0
04:00	.00	2.3	4.4	4.4	2.6	4.6	10.9	9.7
05:00	.05	4.1	2.7	3.7	2.9	3.9	7.3	5.9
06:00	.00	5.0	6.2	6.2	5.4	6.9	8.8	7.0
07:00	.17	8.7	10.5	10.8	5.2	6.5	12.9	7.3
08:00	-.14	5.5	7.6	6.0	6.0	5.9	20.0	12.4
09:00	-.72	3.9	3.4	3.9	4.6	3.9	24.7	26.7
10:00	-.71	5.3	5.5	5.3	6.0	6.6	31.6	32.5
11:00	.08	6.2	8.2	9.6	7.6	11.6	22.3	23.8
12:00	-.11	8.9	9.2	9.4	9.4	10.3	19.9	19.6
13:00	.17	11.4	12.1	12.6	12.8	13.8	21.6	18.2
14:00	.00	11.0	14.9	15.6	11.1	13.3	17.8	11.9
15:00	-.09	10.8	13.5	12.6	11.0	13.5	17.1	12.1
16:00	-.20	12.8	18.8	19.5	12.3	13.8	17.7	9.1
17:00	.05	11.2	13.5	19.2	13.0	12.2	18.5	14.7
18:00	-.10	10.5	13.7	14.2	9.6	11.6	16.8	8.4
19:00	.00	4.1	6.6	8.0	4.6	6.5	16.2	10.0
20:00	.12	4.1	5.5	6.6	4.1	4.8	9.5	4.5
21:00	-.04	3.9	2.1	3.4	2.3	3.6	8.0	10.2
22:00	.00	2.7	4.8	6.4	3.6	6.4	8.9	8.9
23:00	-.03	2.7	1.6	2.3	3.0	2.2	6.7	6.8
Avg	-.07	6.3	7.7	8.6	6.4	7.7	14.6	12.1
Max	.17	12.8	18.8	19.5	13.0	13.8	31.6	32.5
Hr. of Max	13	16	16	16	17	16	10	10
Min	-.72	2.3	1.6	2.3	2.3	2.2	5.3	4.5
Count	24	24	24	24	24	24	24	24
Total								