Date Printed: 07/14/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2015

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	23.3	23.5	23.8	.58	.75	1.10	.17	.52
01:00	22.4	22.9	23.7	24.3	.48	1.26	1.91	.78	1.43
02:00	22.1	22.9	23.4	23.8	.77	1.29	1.65	.53	.88
03:00	22.4	22.7	22.9	23.1	.31	.48	.67	.17	.37
04:00	22.2	22.4	22.7	23.1	.26	.52	.91	.26	.65
05:00	21.9	22.7	22.9	23.1	.81	.95	1.20	.14	.39
06:00	22.6	22.7	22.7	22.8	.14	.16	.23	.02	.09
07:00	22.9	22.7	22.6	22.7	-.17	-.29	-.25	-.12	-.07
08:00	23.5	23.2	22.9	22.9	-.30	-.57	-.57	-.27	-.27
09:00	25.0	24.5	24.2	24.2	-.47	-.79	-.82	-.32	-.35
10:00	27.2	26.7	26.4	26.3	-.55	-.82	-.91	-.28	-.37
11:00	29.2	28.5	28.2	28.0	-.70	-1.06	-1.21	-.36	-.51
12:00	30.4	29.6	29.2	29.1	-.85	-1.20	-1.33	-.36	-.48
13:00	31.6	30.6	30.4	30.3	-.92	-1.19	-1.27	-.27	-.35
14:00	32.4	31.2	30.9	30.8	-1.16	-1.51	-1.60	-.35	-.44
15:00	32.4	31.5	31.2	31.1	-.87	-1.20	-1.30	-.33	-.43
16:00	32.3	31.6	31.3	31.2	-.73	-1.01	-1.10	-.27	-.37
17:00	30.6	30.4	30.4	30.6	-.19	-.19	-.05	-.01	.14
18:00	28.3	28.3	29.2	29.6	.02	.87	1.26	.86	1.24
19:00	27.8	28.1	28.9	29.2	.28	1.11	1.44	.83	1.16
20:00	26.3	26.9	27.7	28.3	.58	1.37	2.02	.79	1.44
21:00	25.2	25.4	26.1	26.6	.14	.89	1.37	.74	1.23
22:00	25.1	25.2	25.6	26.2	.17	.50	1.09	.33	.92
23:00	24.4	24.8	25.5	25.9	.34	1.05	1.49	.71	1.15
Avg	26.3	26.2	26.4	26.5	-.08	.06	.25	.14	.33
Max	32.4	31.6	31.3	31.2	.81	1.37	2.02	.86	1.44
Hr. of Max	15	16	16	16	05	20	20	18	20
Min	21.9	22.4	22.6	22.7	-1.16	-1.51	-1.60	-.36	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2015

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	21.5	22.6	21.9	27.0	95.3	98.4	18.8	20.1	0.016674
01:00	21.1	22.1	21.6	26.8	95.1	98.2	18.4	19.6	0.016317
02:00	20.9	22.2	21.3	26.6	95.3	98.6	18.2	19.7	0.016091
03:00	21.3	22.1	21.7	26.4	96.2	99.0	18.7	19.5	0.016527
04:00	21.2	21.8	21.5	26.3	96.8	99.1	18.5	19.2	0.0164
05:00	21.0	22.1	21.3	26.1	96.9	99.0	18.3	19.6	0.016187
06:00	21.5	22.1	21.8	26.0	96.2	99.0	18.8	19.5	0.016682
07:00	21.8	22.1	22.1	25.9	95.8	99.0	19.1	19.6	0.016979
08:00	22.0	22.3	22.5	25.8	93.9	97.7	19.3	19.8	0.017199
09:00	22.1	22.0	23.1	25.8	86.4	88.3	19.4	19.3	0.017366
10:00	22.4	22.0	24.0	25.9	77.5	77.9	19.7	19.2	0.017767
11:00	22.7	22.2	24.9	26.1	70.2	70.7	19.9	19.3	0.018077
12:00	22.1	21.5	24.9	26.7	63.3	63.9	19.2	18.5	0.017488
13:00	21.0	20.6	24.5	27.4	55.5	56.8	17.9	17.5	0.01635
14:00	20.8	20.6	24.7	28.1	52.3	55.0	17.6	17.4	0.016158
15:00	20.8	20.6	24.7	28.5	52.3	54.1	17.6	17.4	0.016167
16:00	20.9	20.6	24.7	28.7	52.9	53.9	17.7	17.4	0.016283
17:00	22.3	21.8	25.0	28.9	63.5	62.2	19.3	18.8	0.017676
18:00	23.1	23.1	24.8	29.1	75.9	75.8	20.4	20.4	0.018587
19:00	23.1	22.9	24.7	29.0	78.3	76.1	20.5	20.2	0.018589
20:00	23.3	23.1	24.3	28.9	86.1	82.4	20.7	20.5	0.018729
21:00	23.7	23.8	24.2	28.8	93.8	93.9	21.3	21.5	0.019189
22:00	23.6	24.0	24.1	28.6	94.4	96.0	21.2	21.8	0.019105
23:00	23.0	23.7	23.5	28.4	94.8	96.8	20.6	21.4	0.018475
Avg	22.0	22.2	23.4	27.3	81.6	83.0	19.2	19.5	0.017294
Max	23.7	24.0	25.0	29.1	96.9	99.1	21.3	21.8	0.019189
Hr. of Max	21	22	17	18	05	04	21	22	21
Min	20.8	20.6	21.3	25.8	52.3	53.9	17.6	17.4	0.016091
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2015

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	0.017839	25.7	27.5	.00	29.08	984.9	-2.0	.00	282.7
01:00	0.017355	25.2	26.7	.00	29.06	984.3	-2.3	.00	238.1
02:00	0.017454	24.8	26.8	.00	29.05	983.7	-2.5	.00	236.7
03:00	0.017327	25.5	26.7	.00	29.04	983.4	-2.1	.00	248.2
04:00	0.017043	25.3	26.2	.00	29.03	983.2	-2.9	.00	239.2
05:00	0.017385	24.9	26.7	.00	29.03	983.1	-2.3	.00	252.3
06:00	0.017312	25.7	26.6	.00	29.04	983.4	.7	.00	214.4
07:00	0.017359	26.1	26.7	.00	29.05	983.8	53.2	.08	218.9
08:00	0.017565	26.5	27.0	.00	29.05	983.9	158.4	.23	211.6
09:00	0.017247	26.7	26.5	.00	29.05	983.7	407.9	.58	215.3
10:00	0.017301	27.3	26.6	.00	29.04	983.5	558.2	.80	215.2
11:00	0.017473	27.8	26.9	.00	29.04	983.6	803.4	1.15	215.4
12:00	0.01681	26.9	25.9	.00	29.03	983.2	909.7	1.30	200.0
13:00	0.015884	25.2	24.5	.00	29.02	982.7	991.7	1.42	220.1
14:00	0.0159	24.9	24.5	.00	29.00	981.9	934.4	1.34	230.0
15:00	0.015897	24.8	24.4	.00	28.96	980.7	796.3	1.14	222.5
16:00	0.01592	25.0	24.5	.00	28.95	980.4	524.2	.75	246.8
17:00	0.017162	27.1	26.3	.00	28.94	980.2	219.5	.31	251.5
18:00	0.018584	28.4	28.4	.00	28.94	980.0	95.0	.14	298.2
19:00	0.018372	28.5	28.1	.00	28.96	980.6	47.9	.07	334.5
20:00	0.01854	28.7	28.4	.00	28.95	980.4	1.4	.00	263.2
21:00	0.019369	29.3	29.6	.00	28.93	979.9	-2.2	.00	264.6
22:00	0.019643	29.2	30.0	.00	28.92	979.4	-2.7	.00	259.6
23:00	0.019242	28.3	29.4	.00	28.92	979.5	-2.5	.00	302.1
Avg	0.017499	26.6	26.9	.00	29.00	982.2	270.0	.39	243.0
Max	0.019643	29.3	30.0	.00	29.08	984.9	991.7	1.42	334.5
Hr. of Max	22	21	22	23	00	00	13	13	19
Min	0.015884	24.8	24.4	.00	28.92	979.4	-2.9	.00	200.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2015

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	248.5	226.1	278.7	228.7	33.0	17.4	7.3	.9	1.7
01:00	249.8	263.2	241.5	264.4	17.0	9.9	6.2	1.6	2.8
02:00	214.6	244.0	241.6	245.5	13.1	16.7	9.4	1.9	2.6
03:00	236.0	229.9	253.2	229.9	16.5	11.1	6.6	2.1	3.3
04:00	231.7	238.2	244.3	238.7	9.6	5.9	5.6	2.6	4.3
05:00	239.8	228.6	257.2	231.1	9.5	5.9	7.1	2.2	3.5
06:00	211.8	210.5	220.6	212.6	19.0	12.3	9.2	2.4	4.1
07:00	217.6	211.9	227.7	214.0	38.0	21.4	11.8	1.8	3.2
08:00	221.2	220.9	217.8	222.8	23.5	17.1	12.7	3.7	5.2
09:00	224.0	223.0	221.8	224.7	25.5	19.0	16.8	3.4	4.3
10:00	220.9	218.9	220.8	219.7	34.9	28.1	27.9	2.5	3.3
11:00	220.9	220.0	222.7	221.5	32.0	27.0	23.1	3.5	4.3
12:00	205.6	204.5	206.2	205.1	31.1	26.0	20.2	3.7	4.2
13:00	225.7	228.4	225.0	230.4	27.5	21.2	16.5	4.5	5.5
14:00	236.0	232.8	234.9	234.2	25.5	21.9	19.9	5.1	6.8
15:00	229.3	228.2	229.3	230.4	26.3	19.4	14.8	5.7	8.2
16:00	250.1	247.9	249.1	249.3	30.1	21.8	15.7	3.7	5.4
17:00	238.0	238.0	254.6	239.6	29.5	17.4	11.4	1.7	3.0
18:00	257.4	214.1	297.6	213.1	22.8	25.7	35.6	.8	1.0
19:00	25.6	47.4	331.8	42.7	24.8	22.0	46.5	1.1	1.4
20:00	244.5	213.7	261.1	217.3	38.1	30.1	39.3	1.4	1.5
21:00	248.6	185.2	265.0	190.8	40.6	37.5	35.9	1.5	1.9
22:00	248.0	229.3	259.9	231.6	31.5	15.1	7.0	1.3	3.0
23:00	221.0	258.6	294.0	263.0	30.3	27.1	28.1	.3	.3
Avg	233.0	226.0	246.0	228.0	26.2	19.9	18.1	.0	.0
Max	257.4	263.2	331.8	264.4	40.6	37.5	46.5	5.7	8.2
Hr. of Max	18	01	19	01	21	21	19	15	15
Min	25.6	47.4	206.2	42.7	9.5	5.9	5.6	.3	.3
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)

7/13/2015

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	2.7	1.0	1.8	2.8	1.4	3.1	-.1	-.6	-.02
01:00	4.8	1.7	2.8	4.8	2.1	5.0	-.2	2.2	-.02
02:00	2.6	2.0	2.7	2.9	2.4	3.1	-1.2	3.1	-.06
03:00	4.3	2.3	3.5	4.4	2.7	4.7	-2.3	-1.1	-.13
04:00	4.8	2.7	4.4	5.0	3.1	5.3	-1.9	-.4	-.14
05:00	3.9	2.2	3.5	3.9	2.6	4.2	-1.6	-.7	-.08
06:00	5.1	2.6	4.2	5.2	3.0	5.5	-.2	-1.2	-.05
07:00	4.6	1.9	3.3	4.7	2.5	5.1	.6	.6	-.04
08:00	6.3	3.9	5.4	6.5	4.6	7.0	1.2	.4	-.07
09:00	4.9	3.8	4.6	5.1	4.3	5.6	-2.5	-2.3	-.28
10:00	3.9	3.0	3.7	4.3	3.7	4.9	.6	1.5	-.11
11:00	4.8	4.0	4.7	5.2	4.6	5.7	.5	-2.9	-.07
12:00	4.7	4.2	4.7	5.0	4.6	5.6	1.6	1.7	.04
13:00	6.3	5.0	5.8	6.5	5.6	7.2	-1.0	-2.5	-.33
14:00	7.6	5.6	7.2	8.0	6.1	8.7	1.2	2.6	-.09
15:00	9.7	6.2	8.6	10.1	7.0	10.8	-1.5	.1	-.41
16:00	6.9	4.1	5.8	7.2	4.8	7.8	3.1	3.6	.02
17:00	4.6	1.9	3.2	4.7	2.5	5.1	1.8	.9	-.01
18:00	1.8	1.0	1.1	1.9	1.3	2.2	1.9	-1.8	.03
19:00	1.0	1.3	1.5	1.2	1.5	1.5	.7	-2.0	.00
20:00	1.5	1.8	2.0	2.4	2.1	2.6	-.2	2.4	-.04
21:00	2.0	2.1	2.5	2.6	2.4	3.0	-1.7	-.1	-.10
22:00	4.8	1.5	3.1	4.9	1.8	5.2	-.8	.8	-.05
23:00	1.4	.7	1.4	2.3	1.1	2.5	2.5	1.8	.07
Avg	.0	2.8	3.8	4.7	3.2	5.1	.0	.3	-.08
Max	9.7	6.2	8.6	10.1	7.0	10.8	3.1	3.6	.07
Hr. of Max	15	15	15	15	15	15	16	16	23
Min	1.0	.7	1.1	1.2	1.1	1.5	-2.5	-2.9	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2015

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	5.5	8.0	6.2	4.7	6.5	7.4	4.0
01:00	.20	3.7	4.8	8.0	4.4	8.0	6.5	3.8
02:00	.17	4.6	4.6	9.6	4.2	5.0	5.4	5.1
03:00	-.08	4.6	6.0	6.4	4.8	7.1	8.3	2.0
04:00	-.04	4.8	6.9	10.8	5.7	7.7	7.0	2.1
05:00	-.06	6.6	8.5	9.6	4.7	5.8	4.1	2.7
06:00	-.13	5.5	7.3	8.9	6.2	9.1	11.4	5.8
07:00	.01	6.9	9.8	10.1	7.8	10.1	17.9	8.5
08:00	-.03	10.3	12.1	13.7	10.3	11.2	17.7	10.3
09:00	-.28	14.7	12.4	14.0	8.4	10.8	17.0	14.3
10:00	.02	7.6	9.4	11.0	8.7	11.3	22.3	20.4
11:00	-.40	11.2	10.3	10.5	11.4	11.2	21.5	19.2
12:00	.06	9.4	11.4	9.8	10.0	12.4	20.9	20.3
13:00	-.46	13.3	13.3	12.6	14.7	13.1	19.7	17.1
14:00	.16	16.5	13.7	14.7	13.7	15.5	18.2	15.4
15:00	-.16	16.0	17.6	20.2	16.4	20.4	17.4	11.9
16:00	.29	12.1	23.1	23.8	14.1	15.7	19.8	12.1
17:00	.06	7.6	8.9	10.5	8.4	10.3	18.4	8.2
18:00	-.08	2.5	3.4	8.2	2.5	5.7	11.4	7.7
19:00	-.05	3.2	3.4	3.2	3.9	3.5	10.9	11.6
20:00	.09	5.3	7.3	8.0	6.0	8.1	9.6	11.1
21:00	.00	4.6	6.4	7.6	5.2	8.2	8.2	8.4
22:00	.06	6.2	10.3	14.0	4.3	8.0	8.3	2.8
23:00	.08	2.3	5.3	8.0	2.9	5.6	11.2	9.8
Avg	-.03	7.7	9.3	10.8	7.6	9.6	13.4	9.8
Max	.29	16.5	23.1	23.8	16.4	20.4	22.3	20.4
Hr. of Max	16	14	16	16	15	15	10	10
Min	-.46	2.3	3.4	3.2	2.5	3.5	4.1	2.0
Count	24	24	24	24	24	24	24	24
Total								