Date Printed: 07/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2015

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	21.5	21.9	21.9	22.0	.31	.34	.42	.03	.11
01:00	21.2	21.6	21.7	21.8	.35	.52	.60	.16	.24
02:00	21.1	21.3	21.7	21.9	.20	.53	.76	.33	.56
03:00	21.6	21.5	21.7	21.9	-.06	.15	.28	.21	.34
04:00	21.8	21.8	21.8	21.9	-.06	-.05	.06	.02	.12
05:00	21.9	21.8	21.8	21.8	-.04	-.12	-.09	-.08	-.05
06:00	21.9	21.8	21.7	21.7	-.09	-.20	-.17	-.11	-.07
07:00	22.1	21.9	21.8	21.9	-.17	-.29	-.24	-.12	-.07
08:00	22.4	22.2	22.0	22.1	-.19	-.34	-.29	-.15	-.10
09:00	22.8	22.6	22.4	22.4	-.22	-.39	-.40	-.17	-.18
10:00	23.2	23.0	22.8	22.8	-.26	-.43	-.48	-.17	-.22
11:00	23.3	23.1	23.0	23.0	-.20	-.34	-.36	-.14	-.16
12:00	22.9	22.8	22.6	22.7	-.13	-.26	-.22	-.13	-.09
13:00	23.3	23.1	22.9	22.9	-.24	-.42	-.42	-.18	-.18
14:00	23.2	23.1	22.9	22.9	-.16	-.31	-.33	-.15	-.17
15:00	24.3	23.8	23.5	23.4	-.47	-.75	-.89	-.28	-.41
16:00	24.2	23.9	23.7	23.7	-.28	-.49	-.57	-.21	-.28
17:00	23.6	23.5	23.3	23.3	-.16	-.29	-.31	-.12	-.15
18:00	23.9	23.7	23.6	23.5	-.19	-.34	-.37	-.15	-.18
19:00	23.6	23.5	23.4	23.4	-.11	-.23	-.26	-.12	-.15
20:00	22.9	23.2	23.2	23.3	.25	.33	.36	.08	.11
21:00	22.1	22.7	22.7	22.8	.55	.58	.69	.03	.14
22:00	21.4	21.9	22.2	22.5	.41	.74	1.04	.33	.63
23:00	21.1	21.5	21.7	22.2	.38	.63	1.08	.25	.70
Avg	22.6	22.6	22.5	22.6	-.02	-.06	.00	-.04	.02
Max	24.3	23.9	23.7	23.7	.55	.74	1.08	.33	.70
Hr. of Max	15	16	16	16	21	22	23	22	23
Min	21.1	21.3	21.7	21.7	-.47	-.75	-.89	-.28	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2015

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	20.5	21.0	21.0	27.3	96.3	97.4	17.8	18.3	0.015672
01:00	20.2	20.8	20.7	27.1	96.4	98.0	17.5	18.1	0.015369
02:00	20.1	20.7	20.5	26.9	96.5	98.4	17.4	18.0	0.015321
03:00	20.5	20.9	20.9	26.8	96.2	98.7	17.8	18.2	0.015719
04:00	20.9	21.2	21.2	26.6	96.8	99.0	18.2	18.5	0.016043
05:00	20.9	21.2	21.2	26.5	96.7	99.0	18.2	18.6	0.016075
06:00	20.9	21.2	21.2	26.3	96.2	98.7	18.2	18.5	0.016039
07:00	21.0	21.2	21.3	26.2	95.9	98.5	18.3	18.6	0.016142
08:00	21.1	21.4	21.6	26.1	95.1	97.5	18.4	18.7	0.0163
09:00	21.4	21.5	21.8	26.1	93.8	95.7	18.7	18.8	0.016522
10:00	21.7	21.8	22.2	26.0	93.6	95.3	19.0	19.1	0.016897
11:00	21.8	21.9	22.3	25.9	93.4	95.1	19.1	19.2	0.016959
12:00	21.5	21.6	22.0	25.5	94.5	95.6	18.9	18.9	0.016705
13:00	21.9	21.8	22.4	25.4	94.2	95.2	19.3	19.2	0.017117
14:00	22.0	22.1	22.4	25.3	95.3	96.9	19.4	19.5	0.017225
15:00	22.4	22.1	23.0	25.3	91.7	92.7	19.8	19.4	0.017636
16:00	22.0	21.9	22.7	25.4	89.9	91.1	19.3	19.3	0.017247
17:00	22.1	22.1	22.6	25.7	93.5	94.5	19.4	19.5	0.017326
18:00	22.1	22.1	22.7	25.8	92.3	93.2	19.5	19.5	0.017393
19:00	21.5	21.5	22.2	25.8	90.2	90.8	18.8	18.8	0.016707
20:00	21.4	21.5	21.9	25.9	93.7	92.6	18.7	18.8	0.016607
21:00	21.0	21.3	21.4	25.8	95.9	94.5	18.3	18.6	0.016194
22:00	20.5	20.9	20.8	25.8	96.6	96.6	17.8	18.2	0.015649
23:00	20.1	20.7	20.4	25.7	96.7	98.1	17.4	18.0	0.015305
Avg	21.2	21.4	21.7	26.1	94.6	96.0	18.6	18.8	0.016424
Max	22.4	22.1	23.0	27.3	96.8	99.0	19.8	19.5	0.017636
Hr. of Max	15	18	15	00	04	05	15	18	15
Min	20.1	20.7	20.4	25.3	89.9	90.8	17.4	18.0	0.015305
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2015

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	0.016163	24.2	24.9	.00	29.07	984.3	-2.0	.00	275.5
01:00	0.015966	23.7	24.6	.00	29.06	984.3	-2.4	.00	249.4
02:00	0.015822	23.7	24.4	.00	29.06	984.1	-2.2	.00	263.8
03:00	0.016059	24.3	24.8	.00	29.05	983.9	-2.3	.00	210.8
04:00	0.016344	24.7	25.2	.00	29.05	983.7	-2.3	.00	264.1
05:00	0.016416	24.8	25.3	.00	29.05	983.7	-2.8	.00	246.2
06:00	0.016359	24.7	25.2	.00	29.06	984.2	-.8	.00	236.7
07:00	0.016412	24.9	25.3	.00	29.07	984.5	24.1	.03	234.0
08:00	0.016526	25.1	25.5	.00	29.08	984.8	42.7	.06	196.3
09:00	0.016634	25.5	25.7	.03	29.09	985.1	58.2	.08	228.8
10:00	0.016947	26.1	26.1	.02	29.09	985.0	157.3	.23	221.4
11:00	0.017061	26.1	26.3	.36	29.09	985.0	68.1	.10	224.5
12:00	0.016765	25.8	25.8	.22	29.08	984.7	85.1	.12	260.5
13:00	0.017051	26.4	26.3	.04	29.07	984.5	149.4	.21	8.0
14:00	0.017346	26.5	26.7	.21	29.05	983.9	96.1	.14	44.1
15:00	0.017322	27.1	26.6	.00	29.04	983.4	461.8	.66	58.3
16:00	0.017181	26.5	26.4	.02	29.03	983.0	174.4	.25	60.6
17:00	0.017335	26.6	26.6	.16	29.01	982.4	116.3	.17	85.5
18:00	0.017368	26.7	26.7	.00	29.01	982.4	104.3	.15	61.1
19:00	0.016714	25.7	25.7	.00	29.02	982.8	107.4	.15	55.2
20:00	0.016663	25.6	25.6	.00	29.03	983.0	26.3	.04	26.4
21:00	0.016497	25.0	25.4	.00	29.04	983.5	-2.0	.00	17.9
22:00	0.016038	24.2	24.7	.00	29.06	984.1	-2.6	.00	281.8
23:00	0.015897	23.6	24.5	.00	29.06	984.1	-1.9	.00	276.5
Avg	0.01662	25.3	25.6	.04	29.06	983.9	68.8	.10	269.0
Max	0.017368	27.1	26.7	.36	29.09	985.1	461.8	.66	281.8
Hr. of Max	18	15	18	11	11	09	15	15	22
Min	0.015822	23.6	24.4	.00	29.01	982.4	-2.8	.00	8.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2015

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	235.8	205.3	276.5	206.7	15.0	15.9	12.3	1.2	1.7
01:00	218.8	218.2	255.1	220.4	22.4	10.9	9.7	.7	1.3
02:00	255.3	242.0	264.3	243.9	32.1	14.6	10.3	.6	1.6
03:00	247.6	255.7	216.8	257.2	44.6	21.3	12.2	1.2	1.6
04:00	258.5	250.6	269.0	252.0	23.6	12.6	8.7	.8	2.0
05:00	253.2	250.9	251.7	251.9	33.9	33.5	28.5	1.1	1.6
06:00	248.8	257.9	240.6	258.8	26.4	18.2	14.5	1.0	1.7
07:00	243.1	253.2	238.1	254.2	28.2	17.1	17.5	1.0	1.6
08:00	224.0	249.9	205.7	249.1	31.3	40.7	22.4	.7	1.1
09:00	247.0	247.5	243.0	252.8	52.5	43.0	44.2	.5	.9
10:00	227.0	203.7	234.7	201.0	53.5	57.8	53.5	.4	.7
11:00	225.2	220.3	224.1	220.6	41.8	41.6	28.7	1.3	1.9
12:00	238.1	217.1	261.8	218.8	42.5	36.8	27.0	.6	1.1
13:00	8.0	7.6	8.6	1.9	28.0	16.5	15.9	1.8	2.8
14:00	33.6	33.4	42.8	27.1	37.5	21.2	10.7	1.5	3.1
15:00	52.7	54.2	60.1	50.3	34.0	29.3	21.6	2.2	2.8
16:00	63.4	62.7	64.2	58.2	30.4	16.9	12.4	2.3	4.2
17:00	102.8	96.9	105.7	92.0	63.5	61.7	51.8	.5	.6
18:00	61.1	62.0	60.6	57.8	32.7	15.8	11.6	2.1	4.0
19:00	55.4	55.8	59.0	51.5	25.6	15.5	11.2	2.4	4.4
20:00	39.5	47.1	29.0	42.3	19.9	12.8	11.2	1.4	2.9
21:00	47.2	59.7	15.8	55.9	18.1	13.0	7.4	1.5	2.8
22:00	15.2	48.3	281.9	44.4	28.9	37.9	48.3	.8	.7
23:00	356.1	332.6	279.7	331.7	51.0	31.2	23.9	.5	.5
Avg	280.0	265.0	273.0	277.0	34.1	26.5	21.5	.0	.0
Max	356.1	332.6	281.9	331.7	63.5	61.7	53.5	2.4	4.4
Hr. of Max	23	23	22	23	17	17	10	19	19
Min	8.0	7.6	8.6	1.9	15.0	10.9	7.4	.4	.5
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)

7/23/2015

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	2.5	1.3	1.8	2.6	1.6	2.9	-3.2	-1.9	-.10
01:00	1.9	.9	1.4	1.9	1.3	2.2	-.4	.1	-.01
02:00	2.7	.8	1.7	2.7	1.3	3.0	1.4	1.6	.02
03:00	2.8	1.3	1.6	2.8	1.7	3.1	2.4	1.2	.05
04:00	3.0	1.0	2.2	3.2	1.3	3.4	-1.4	.4	-.06
05:00	2.0	1.3	1.7	2.1	1.6	2.4	1.5	-2.2	.00
06:00	2.2	1.2	1.9	2.3	1.6	2.5	1.3	.9	.03
07:00	2.2	1.4	1.9	2.4	1.8	2.6	-.6	1.6	-.05
08:00	1.8	.9	1.2	1.8	1.4	2.1	-.1	-2.1	-.01
09:00	1.4	.7	1.0	1.5	1.2	1.8	.0	-5.5	-.01
10:00	.9	.8	1.0	1.1	1.3	1.6	.1	.4	.02
11:00	2.7	1.8	2.4	3.2	2.4	3.6	-.5	.2	-.01
12:00	1.8	1.8	2.6	3.1	2.2	3.3	-.3	-2.9	-.08
13:00	2.7	2.1	3.0	2.9	2.3	3.2	-3.4	-2.4	-.24
14:00	3.9	1.9	3.4	4.1	2.2	4.4	-1.8	-.7	-.15
15:00	3.6	2.6	3.1	3.8	3.2	4.2	1.5	5.5	.08
16:00	5.0	2.6	4.5	5.3	3.2	5.6	-.2	-.4	-.13
17:00	.7	1.1	1.3	1.4	1.7	1.9	-1.9	-.1	-.02
18:00	5.2	2.3	4.3	5.4	2.7	5.7	4.2	1.3	.03
19:00	5.7	2.6	4.6	5.8	3.1	6.1	-3.5	-2.9	-.32
20:00	3.9	1.4	3.0	4.0	1.7	4.3	-3.3	-1.7	-.16
21:00	4.4	1.6	2.9	4.4	1.8	4.7	-2.8	-1.7	-.15
22:00	1.9	1.3	1.6	2.0	1.6	2.3	-.3	1.3	-.03
23:00	.9	.6	1.6	1.4	.9	1.7	2.1	.2	.03
Avg	.0	1.5	2.3	3.0	1.9	3.3	-.4	-.4	-.05
Max	5.7	2.6	4.6	5.8	3.2	6.1	4.2	5.5	.08
Hr. of Max	19	19	19	19	16	19	18	15	15
Min	.7	.6	1.0	1.1	.9	1.6	-3.5	-5.5	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2015

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	-.11	3.7	4.4	5.5	3.7	5.5	9.7	8.1
01:00	.01	2.3	3.0	4.1	2.3	4.1	8.4	4.1
02:00	.08	2.7	3.9	4.6	3.6	4.9	8.1	3.6
03:00	.05	3.7	3.7	6.6	4.1	5.3	10.5	4.2
04:00	.02	2.7	6.0	8.0	2.9	5.5	15.5	4.5
05:00	-.07	3.7	4.6	4.4	4.1	4.6	14.0	15.5
06:00	.03	3.0	3.9	3.9	3.4	4.1	11.7	7.3
07:00	.06	3.2	5.3	6.0	4.1	4.8	13.3	10.0
08:00	-.02	3.7	6.4	7.3	3.9	5.8	14.4	11.4
09:00	-.11	2.5	3.4	4.8	3.1	5.0	19.7	13.7
10:00	-.01	2.7	4.1	4.4	3.7	5.1	25.0	24.9
11:00	.01	7.6	11.2	12.1	9.7	12.0	18.0	17.8
12:00	-.21	5.7	7.3	10.3	6.1	8.3	18.3	13.8
13:00	-.12	7.8	8.2	7.3	6.7	5.9	18.9	9.6
14:00	-.08	5.5	6.9	8.2	6.3	8.7	20.3	7.9
15:00	.32	8.0	8.9	9.2	8.7	9.8	23.2	18.1
16:00	-.04	7.3	9.4	10.8	8.6	11.4	22.2	11.1
17:00	.06	4.8	4.6	4.6	5.3	4.9	17.6	21.3
18:00	.01	7.6	9.4	9.8	7.6	10.3	23.4	11.3
19:00	-.37	7.3	15.1	13.1	8.4	11.9	20.7	9.3
20:00	-.15	4.8	6.2	11.0	4.6	8.8	16.4	8.9
21:00	-.16	4.1	6.6	13.1	5.4	9.6	12.8	4.8
22:00	.02	4.1	5.0	7.8	2.7	5.1	9.9	13.0
23:00	.01	3.2	6.2	3.4	3.0	3.9	9.4	7.5
Avg	-.03	4.7	6.4	7.5	5.1	6.9	15.9	10.9
Max	.32	8.0	15.1	13.1	9.7	12.0	25.0	24.9
Hr. of Max	15	15	19	21	11	11	10	10
Min	-.37	2.3	3.0	3.4	2.3	3.9	8.1	3.6
Count	24	24	24	24	24	24	24	24
Total								