Date Printed: 09/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2015

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	21.0	22.4	22.6	23.2	1.35	1.59	2.15	.24	.80
01:00	20.4	21.6	22.0	22.4	1.18	1.60	2.01	.42	.83
02:00	19.9	21.0	21.5	22.0	1.14	1.59	2.09	.45	.95
03:00	19.4	20.5	21.0	21.4	1.05	1.59	2.00	.54	.94
04:00	19.1	20.2	20.7	21.5	1.10	1.51	2.31	.41	1.21
05:00	18.9	20.2	20.4	20.9	1.22	1.45	1.92	.23	.70
06:00	18.9	20.0	20.2	20.5	1.04	1.27	1.62	.23	.57
07:00	18.9	20.0	20.1	20.3	1.06	1.16	1.44	.10	.38
08:00	21.0	21.0	20.9	20.8	-.06	-.15	-.17	-.09	-.11
09:00	23.8	23.2	23.0	22.9	-.52	-.76	-.87	-.24	-.35
10:00	26.7	25.8	25.6	25.4	-.89	-1.14	-1.31	-.25	-.42
11:00	28.9	27.6	27.4	27.2	-1.22	-1.49	-1.63	-.27	-.41
12:00	30.6	29.4	29.0	28.8	-1.14	-1.55	-1.75	-.41	-.61
13:00	31.5	30.3	29.9	29.7	-1.22	-1.61	-1.85	-.39	-.62
14:00	32.1	30.9	30.5	30.3	-1.21	-1.59	-1.80	-.38	-.59
15:00	32.5	31.5	31.1	30.9	-.98	-1.36	-1.55	-.38	-.57
16:00	32.3	31.4	31.1	31.0	-.91	-1.26	-1.38	-.35	-.46
17:00	32.2	31.4	31.1	31.0	-.79	-1.07	-1.16	-.29	-.37
18:00	29.7	29.9	30.6	30.9	.20	.90	1.13	.70	.93
19:00	26.3	27.5	28.9	29.6	1.21	2.63	3.32	1.42	2.11
20:00	23.9	26.1	26.7	27.5	2.14	2.77	3.57	.64	1.44
21:00	22.7	24.7	24.9	25.8	1.98	2.21	3.07	.23	1.09
22:00	22.1	23.6	23.9	24.8	1.55	1.83	2.74	.29	1.20
23:00	21.5	22.9	23.2	24.3	1.39	1.73	2.80	.34	1.41
Avg	24.8	25.1	25.3	25.5	.36	.49	.78	.13	.42
Max	32.5	31.5	31.1	31.0	2.14	2.77	3.57	1.42	2.11
Hr. of Max	15	15	17	17	20	20	20	19	19
Min	18.9	20.0	20.1	20.3	-1.22	-1.61	-1.85	-.41	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2015

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	19.0	19.5	19.7	26.8	90.4	85.7	16.3	16.7	0.01428
01:00	18.5	19.2	19.1	26.7	91.2	88.8	15.8	16.5	0.013828
02:00	18.2	19.1	18.8	26.5	92.1	91.0	15.5	16.4	0.013542
03:00	17.9	19.0	18.4	26.4	92.7	93.4	15.2	16.3	0.013247
04:00	17.8	19.1	18.2	26.2	93.6	95.1	15.1	16.3	0.013137
05:00	17.5	18.9	18.0	26.1	93.2	94.7	14.9	16.2	0.012914
06:00	17.7	18.8	18.1	25.9	94.4	95.2	15.0	16.1	0.013055
07:00	17.5	18.7	18.0	25.7	93.7	94.4	14.9	16.0	0.012934
08:00	18.9	18.6	19.6	25.6	89.7	88.7	16.1	15.9	0.014096
09:00	19.4	18.9	20.9	25.5	78.6	78.7	16.5	16.1	0.014597
10:00	19.7	19.2	22.0	25.4	67.3	68.8	16.7	16.2	0.014879
11:00	19.6	19.2	22.7	25.5	59.0	61.7	16.5	16.1	0.014807
12:00	19.0	18.8	22.9	25.7	51.8	54.3	15.9	15.7	0.014364
13:00	18.5	18.3	22.8	26.0	47.5	50.3	15.3	15.2	0.013906
14:00	17.6	17.5	22.4	26.3	43.2	46.2	14.5	14.5	0.013114
15:00	16.6	16.7	21.9	26.6	40.0	42.5	13.6	13.7	0.012367
16:00	17.1	17.0	22.2	26.9	41.5	43.5	14.0	14.0	0.012735
17:00	17.5	17.4	22.4	27.0	43.1	44.6	14.4	14.3	0.013101
18:00	18.8	18.2	22.4	27.2	53.5	50.9	15.6	15.1	0.014123
19:00	19.4	18.7	21.7	27.3	67.7	60.3	16.4	15.6	0.01464
20:00	19.1	19.4	20.7	27.3	76.3	68.7	16.2	16.5	0.01435
21:00	19.2	19.9	20.4	27.3	82.5	76.5	16.3	16.9	0.014392
22:00	19.3	19.8	20.2	27.2	86.4	81.1	16.5	16.9	0.014511
23:00	19.1	19.7	19.9	27.1	88.5	84.1	16.4	16.8	0.014338
Avg	18.5	18.7	20.6	26.4	73.2	72.5	15.6	15.8	0.013802
Max	19.7	19.9	22.9	27.3	94.4	95.2	16.7	16.9	0.014879
Hr. of Max	10	21	12	21	06	06	10	22	10
Min	16.6	16.7	18.0	25.4	40.0	42.5	13.6	13.7	0.012367
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)

9/4/2015

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	0.014693	22.1	22.7	.00	29.07	984.3	-2.5	.00	23.2
01:00	0.014475	21.4	22.4	.00	29.07	984.4	-1.0	.00	343.7
02:00	0.014364	21.0	22.2	.00	29.07	984.4	-3.2	.00	334.6
03:00	0.014237	20.5	22.0	.00	29.07	984.6	-1.3	.00	325.2
04:00	0.014291	20.4	22.1	.00	29.09	985.0	-1.7	.00	353.6
05:00	0.014152	20.0	21.9	.00	29.10	985.4	-3.1	.00	22.1
06:00	0.014051	20.3	21.8	.00	29.11	985.8	-3.6	-.01	49.7
07:00	0.013928	20.1	21.6	.00	29.12	986.2	28.2	.04	64.3
08:00	0.0139	21.9	21.6	.00	29.13	986.6	173.6	.25	74.7
09:00	0.014168	22.6	22.0	.00	29.14	986.9	392.9	.56	83.1
10:00	0.014442	23.1	22.4	.00	29.15	987.1	589.6	.85	88.0
11:00	0.014441	23.0	22.4	.00	29.15	987.1	734.6	1.05	94.5
12:00	0.014105	22.3	21.9	.00	29.14	986.8	825.3	1.18	76.1
13:00	0.013722	21.6	21.3	.00	29.13	986.5	854.4	1.22	78.4
14:00	0.013063	20.4	20.3	.00	29.12	986.2	849.1	1.22	73.0
15:00	0.01243	19.2	19.3	.00	29.11	985.7	684.8	.98	41.7
16:00	0.012668	19.8	19.7	.00	29.09	985.2	557.2	.80	358.5
17:00	0.012955	20.3	20.1	.00	29.08	984.9	364.3	.52	336.5
18:00	0.013601	21.9	21.1	.00	29.08	984.8	199.5	.29	331.4
19:00	0.014015	22.7	21.7	.00	29.09	985.1	43.0	.06	305.7
20:00	0.014676	22.2	22.7	.00	29.10	985.5	-1.6	.00	4.9
21:00	0.015034	22.3	23.3	.00	29.13	986.4	-2.0	.00	15.0
22:00	0.014955	22.5	23.2	.00	29.14	986.9	-2.0	.00	5.0
23:00	0.014829	22.2	23.0	.00	29.14	986.8	-1.7	.00	358.1
Avg	0.01405	21.4	21.8	.00	29.11	985.8	261.4	.38	24.0
Max	0.015034	23.1	23.3	.00	29.15	987.1	854.4	1.22	358.5
Hr. of Max	21	10	21	23	11	11	13	14	16
Min	0.01243	19.2	19.3	.00	29.07	984.3	-3.6	-.01	4.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2015

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	71.5	54.9	28.7	51.7	35.7	12.6	11.3	.8	1.4
01:00	76.5	54.3	352.1	51.4	38.6	10.3	13.7	.6	1.0
02:00	74.9	56.6	353.5	55.5	28.9	11.5	17.6	.4	1.1
03:00	69.5	57.9	316.9	55.5	34.0	14.2	16.7	.4	.8
04:00	57.6	25.8	358.0	24.1	38.7	25.7	9.5	.6	1.5
05:00	76.2	45.8	29.9	43.6	45.0	7.4	11.8	.5	1.3
06:00	74.0	61.2	48.8	58.6	15.8	9.6	6.5	.9	2.3
07:00	64.3	56.6	70.8	53.3	29.8	15.1	4.8	.6	1.8
08:00	71.2	61.5	80.9	58.4	31.9	18.2	15.2	1.3	2.2
09:00	79.8	71.3	83.9	68.1	25.1	22.3	19.9	2.9	3.1
10:00	82.9	76.7	88.7	73.3	19.5	18.0	16.1	4.4	4.5
11:00	93.3	88.2	96.4	84.1	20.6	19.1	18.6	5.1	5.3
12:00	64.5	58.5	77.1	55.0	32.8	28.1	25.3	4.4	5.0
13:00	71.6	65.9	79.7	62.5	36.8	30.6	28.4	4.7	5.4
14:00	69.8	66.0	71.1	61.7	35.5	24.5	19.8	4.7	5.8
15:00	43.4	41.7	41.9	38.6	48.0	34.8	31.9	2.7	4.4
16:00	11.4	12.8	358.6	7.9	44.7	26.1	20.6	2.8	4.4
17:00	4.9	9.0	338.8	3.4	34.2	21.7	18.6	2.1	3.8
18:00	15.8	19.8	332.0	12.8	27.9	12.0	8.5	1.4	4.3
19:00	40.5	44.3	304.3	39.7	16.5	18.4	30.6	1.0	1.5
20:00	65.4	54.2	13.8	52.1	22.7	8.8	9.3	.9	1.7
21:00	79.8	63.0	25.8	60.7	21.2	7.4	5.3	.9	1.8
22:00	75.2	64.8	12.2	62.2	23.2	10.8	4.9	.7	1.5
23:00	87.0	68.8	1.2	66.4	23.1	7.8	4.6	.8	1.5
Avg	64.0	53.0	28.0	50.0	30.4	17.3	15.4	.0	.0
Max	93.3	88.2	358.6	84.1	48.0	34.8	31.9	5.1	5.8
Hr. of Max	11	11	16	11	15	15	15	11	14
Min	4.9	9.0	1.2	3.4	15.8	7.4	4.6	.4	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2015

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	1.9	1.0	1.4	2.0	1.1	2.2	3.1	1.8	.06
01:00	1.5	.7	1.1	1.7	1.0	1.9	2.8	2.4	.04
02:00	1.2	.5	1.2	1.3	.7	1.6	1.8	1.3	.04
03:00	1.1	.5	.9	1.3	.7	1.6	.9	-.3	.02
04:00	1.4	1.2	1.5	1.5	1.5	1.8	1.3	3.0	.02
05:00	1.6	.6	1.4	1.7	.9	1.9	3.0	3.5	.06
06:00	3.2	1.0	2.3	3.3	1.3	3.5	1.0	2.8	.01
07:00	3.0	.7	1.8	3.0	1.0	3.3	2.7	2.0	.03
08:00	2.9	1.5	2.3	3.0	1.8	3.4	.8	6.0	.00
09:00	3.3	3.1	3.3	3.5	3.5	3.8	-.9	1.5	-.08
10:00	4.9	4.6	4.7	5.1	5.1	5.5	-.9	1.2	-.15
11:00	5.6	5.5	5.6	5.9	6.0	6.4	-.6	2.1	-.12
12:00	5.7	4.9	5.6	6.2	5.4	6.8	-2.4	5.7	-.29
13:00	5.8	5.5	6.4	6.8	6.3	7.5	-.8	5.7	-.08
14:00	6.6	5.6	6.6	7.2	6.1	7.8	-2.6	.5	-.34
15:00	5.3	3.6	5.0	5.9	4.1	6.6	-2.8	1.2	-.31
16:00	5.1	3.3	4.8	5.4	3.9	6.0	-3.8	-2.5	-.53
17:00	4.6	2.4	4.0	4.9	2.8	5.3	1.5	2.7	-.12
18:00	5.9	1.6	4.4	6.0	2.0	6.3	-2.0	1.1	-.14
19:00	2.1	1.0	1.6	2.4	1.2	2.7	3.7	5.1	.06
20:00	2.1	1.0	1.8	2.2	1.2	2.4	1.5	3.5	.02
21:00	3.0	1.0	1.8	3.0	1.1	3.2	2.5	2.8	.04
22:00	3.4	.9	1.6	3.4	1.0	3.6	2.8	3.1	.05
23:00	3.6	.9	1.5	3.6	1.1	3.9	.7	4.0	.02
Avg	.0	2.2	3.0	3.8	2.5	4.1	.6	2.5	-.07
Max	6.6	5.6	6.6	7.2	6.3	7.8	3.7	6.0	.06
Hr. of Max	14	14	14	14	13	14	19	08	19
Min	1.1	.5	.9	1.3	.7	1.6	-3.8	-2.5	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2015

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	.08	2.1	3.0	3.2	2.1	3.5	9.2	5.6
01:00	.08	2.3	3.0	4.1	3.0	3.4	8.9	5.0
02:00	.04	2.3	2.1	3.0	2.5	2.2	9.0	5.8
03:00	.02	1.6	3.4	3.0	2.0	3.2	8.0	6.2
04:00	.11	3.0	3.7	3.7	3.6	4.1	6.3	6.7
05:00	.13	4.8	5.5	5.3	2.5	3.3	8.5	5.7
06:00	.14	2.7	4.4	6.0	3.0	6.1	7.8	3.5
07:00	.11	2.1	4.8	7.8	2.6	4.9	9.5	3.6
08:00	.25	6.0	6.9	7.8	5.4	8.7	18.6	14.3
09:00	-.02	7.8	6.4	6.6	8.0	7.0	18.1	19.0
10:00	.08	9.6	10.8	9.8	11.5	10.5	16.7	16.0
11:00	.23	10.8	13.1	12.4	12.0	12.8	13.8	16.3
12:00	.52	11.0	11.4	12.1	12.0	13.8	19.3	18.9
13:00	.69	19.0	14.0	15.8	18.3	16.4	18.6	17.3
14:00	.06	23.4	22.9	18.8	15.3	16.1	20.1	16.4
15:00	.01	10.5	12.4	12.8	11.4	14.1	25.1	18.1
16:00	-.33	9.4	14.0	14.7	10.0	12.4	22.8	16.5
17:00	.12	8.5	9.6	10.3	9.7	11.6	24.1	14.9
18:00	.10	6.2	14.0	15.3	5.4	9.1	17.7	5.9
19:00	.23	3.2	9.4	12.1	2.5	7.6	11.9	9.3
20:00	.15	2.5	6.0	5.3	2.7	3.2	7.7	5.0
21:00	.16	2.3	4.6	4.4	2.6	4.7	8.5	3.8
22:00	.20	2.3	3.4	8.2	2.3	4.8	8.7	3.7
23:00	.27	2.1	2.7	6.9	2.2	5.4	8.2	2.5
Avg	.14	6.5	8.0	8.7	6.4	7.9	13.6	10.0
Max	.69	23.4	22.9	18.8	18.3	16.4	25.1	19.0
Hr. of Max	13	14	14	14	13	13	15	09
Min	-.33	1.6	2.1	3.0	2.0	2.2	6.3	2.5
Count	24	24	24	24	24	24	24	24
Total								