Date Printed: 07/23/2016 01:21

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2016

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	24.2	25.5	26.1	26.9	1.30	1.85	2.64	.55	1.34
01:00	23.5	24.8	25.3	25.7	1.26	1.80	2.17	.54	.91
02:00	22.9	24.3	24.9	25.2	1.36	2.01	2.34	.65	.98
03:00	22.4	24.3	24.7	25.1	1.85	2.28	2.64	.43	.79
04:00	21.9	23.4	24.3	24.7	1.50	2.39	2.79	.89	1.28
05:00	21.6	23.1	23.7	24.2	1.48	2.16	2.60	.68	1.12
06:00	21.3	22.6	23.2	23.5	1.26	1.86	2.18	.60	.91
07:00	21.8	22.6	22.8	23.3	.78	.94	1.46	.15	.68
08:00	23.7	23.6	23.6	23.8	-.17	-.09	.03	.08	.20
09:00	25.6	25.0	24.8	24.7	-.60	-.88	-.95	-.28	-.35
10:00	27.3	26.4	26.1	25.9	-.93	-1.27	-1.40	-.34	-.46
11:00	29.4	28.1	27.8	27.7	-1.22	-1.55	-1.67	-.34	-.45
12:00	31.7	29.8	29.5	29.4	-1.92	-2.27	-2.37	-.35	-.45
13:00	32.6	31.1	30.8	30.7	-1.53	-1.85	-1.96	-.32	-.43
14:00	33.5	32.2	31.8	31.7	-1.35	-1.72	-1.83	-.37	-.48
15:00	33.5	32.5	32.2	32.1	-1.02	-1.32	-1.44	-.30	-.42
16:00	33.5	32.6	32.3	32.3	-.92	-1.13	-1.16	-.22	-.25
17:00	33.7	32.9	32.5	32.4	-.88	-1.22	-1.33	-.35	-.46
18:00	33.0	32.6	32.5	32.4	-.42	-.52	-.54	-.10	-.11
19:00	29.8	30.3	30.9	31.4	.58	1.17	1.63	.59	1.05
20:00	27.8	28.6	29.0	29.2	.79	1.13	1.42	.35	.63
21:00	27.0	27.9	28.4	28.7	.98	1.47	1.76	.49	.78
22:00	26.1	27.3	27.7	27.9	1.18	1.54	1.72	.36	.54
23:00	25.7	26.0	26.7	27.2	.33	.98	1.52	.66	1.19
Avg	27.2	27.4	27.6	27.8	.15	.32	.51	.17	.36
Max	33.7	32.9	32.5	32.4	1.85	2.39	2.79	.89	1.34
Hr. of Max	17	17	18	18	03	04	04	04	00
Min	21.3	22.6	22.8	23.3	-1.92	-2.27	-2.37	-.37	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2016

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	20.6	20.9	21.8	30.1	82.3	77.7	17.8	18.0	0.015725
01:00	20.7	20.8	21.6	29.8	86.4	80.7	17.9	17.9	0.015795
02:00	20.5	20.8	21.3	29.5	88.4	83.4	17.7	18.0	0.015591
03:00	20.2	20.3	20.9	29.3	89.2	80.3	17.4	17.4	0.015266
04:00	19.8	19.9	20.5	29.0	90.0	82.7	17.0	17.0	0.014924
05:00	19.6	19.8	20.3	28.7	90.6	84.1	16.8	17.0	0.014726
06:00	19.5	19.9	20.1	28.4	91.5	86.7	16.7	17.0	0.014645
07:00	19.8	20.0	20.5	28.2	90.7	87.1	17.1	17.1	0.01497
08:00	20.6	20.2	21.7	27.9	85.2	83.9	17.8	17.4	0.015759
09:00	20.7	20.4	22.3	27.8	76.3	77.3	17.8	17.4	0.015819
10:00	20.8	20.3	23.0	27.7	69.4	71.2	17.8	17.3	0.015921
11:00	20.5	20.0	23.5	27.9	60.9	63.2	17.4	17.0	0.015712
12:00	20.8	20.4	24.4	28.3	54.1	58.6	17.6	17.2	0.016002
13:00	20.6	20.4	24.6	29.0	51.0	54.8	17.4	17.3	0.015878
14:00	19.9	19.8	24.5	29.8	46.5	49.8	16.7	16.6	0.015216
15:00	19.5	19.4	24.2	30.3	45.4	47.5	16.3	16.1	0.014878
16:00	19.9	19.4	24.5	30.6	46.6	47.5	16.7	16.2	0.01526
17:00	19.9	19.6	24.5	30.7	45.9	47.3	16.6	16.4	0.015247
18:00	19.9	19.2	24.2	30.8	47.9	47.1	16.6	16.0	0.015197
19:00	21.3	20.7	24.1	30.9	62.7	58.4	18.3	17.6	0.016602
20:00	22.1	21.7	24.0	30.8	73.3	68.2	19.3	18.7	0.017362
21:00	22.0	21.5	23.6	30.7	76.3	70.3	19.1	18.6	0.017193
22:00	21.8	21.9	23.3	30.4	79.5	74.3	19.0	19.0	0.017051
23:00	22.0	21.9	23.2	30.2	82.2	80.2	19.2	19.1	0.017191
Avg	20.5	20.4	22.8	29.5	71.3	69.3	17.6	17.4	0.015747
Max	22.1	21.9	24.6	30.9	91.5	87.1	19.3	19.1	0.017362
Hr. of Max	20	23	13	19	06	07	20	23	20
Min	19.5	19.2	20.1	27.7	45.4	47.1	16.3	16.0	0.014645
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2016

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	0.016043	24.4	24.9	.00	29.19	988.5	-2.1	.00	272.2
01:00	0.015925	24.5	24.7	.00	29.18	988.2	-2.2	.00	250.2
02:00	0.015956	24.2	24.7	.00	29.18	988.3	-2.3	.00	239.1
03:00	0.015378	23.7	23.8	.00	29.19	988.5	-2.4	.00	258.3
04:00	0.01502	23.2	23.3	.00	29.19	988.6	-2.6	.00	259.9
05:00	0.014956	22.9	23.2	.00	29.19	988.5	-1.9	.00	253.9
06:00	0.014996	22.7	23.3	.00	29.19	988.4	2.4	.00	284.2
07:00	0.015079	23.2	23.4	.00	29.19	988.5	62.1	.09	251.2
08:00	0.01536	24.4	23.8	.00	29.20	988.7	178.3	.26	227.5
09:00	0.015476	24.5	24.0	.00	29.20	989.0	322.0	.46	221.8
10:00	0.015448	24.7	24.0	.00	29.20	988.8	611.0	.88	215.4
11:00	0.015209	24.3	23.6	.00	29.18	988.3	848.3	1.22	190.0
12:00	0.01555	24.8	24.1	.00	29.18	988.2	932.7	1.34	186.9
13:00	0.015649	24.6	24.3	.00	29.18	988.2	953.2	1.37	210.9
14:00	0.015093	23.6	23.4	.00	29.16	987.5	776.1	1.11	213.8
15:00	0.0147	23.0	22.8	.00	29.13	986.5	569.0	.82	288.4
16:00	0.014767	23.6	22.9	.00	29.11	985.7	362.0	.52	278.9
17:00	0.014941	23.6	23.1	.00	29.08	984.9	404.8	.58	234.1
18:00	0.014611	23.5	22.6	.00	29.08	984.7	269.6	.39	291.1
19:00	0.015985	25.6	24.7	.00	29.08	984.8	73.8	.11	256.5
20:00	0.016927	26.7	26.1	.00	29.08	985.0	9.5	.01	299.4
21:00	0.016773	26.5	25.9	.00	29.09	985.1	-2.2	.00	351.5
22:00	0.01708	26.3	26.3	.00	29.11	985.8	-2.0	.00	311.8
23:00	0.017086	26.5	26.4	.00	29.12	986.3	-1.8	.00	242.3
Avg	0.015584	24.4	24.1	.00	29.15	987.3	264.8	.38	252.0
Max	0.017086	26.7	26.4	.00	29.20	989.0	953.2	1.37	351.5
Hr. of Max	23	20	23	23	10	09	13	13	21
Min	0.014611	22.7	22.6	.00	29.08	984.7	-2.6	.00	186.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2016

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	255.2	192.2	273.4	195.8	42.0	49.6	19.2	1.6	2.3
01:00	248.0	229.0	253.2	224.0	24.4	14.4	8.0	2.0	3.5
02:00	235.2	237.6	240.2	232.3	41.8	9.6	8.0	1.5	3.3
03:00	223.7	222.5	261.3	217.7	12.8	8.4	5.7	1.7	3.3
04:00	264.6	248.8	256.1	242.8	20.0	10.1	5.4	.7	3.0
05:00	236.5	258.7	255.4	253.5	32.2	21.8	8.6	.9	1.7
06:00	204.2	205.8	284.5	217.6	22.7	25.5	21.4	1.0	1.0
07:00	243.4	208.8	255.2	205.0	12.1	8.5	4.5	2.1	3.1
08:00	254.2	250.2	232.0	244.5	20.9	14.0	12.4	1.7	3.4
09:00	232.0	232.7	226.4	227.5	29.3	18.2	15.3	3.2	4.4
10:00	229.1	224.4	220.3	221.0	33.4	32.7	26.4	2.8	3.1
11:00	207.5	207.0	195.7	201.5	50.1	39.2	35.1	2.5	3.3
12:00	203.5	206.4	194.8	200.5	44.8	37.5	35.7	3.0	3.2
13:00	224.0	224.3	218.1	221.8	58.9	60.4	54.3	2.1	2.3
14:00	225.0	225.5	222.0	224.1	65.4	57.3	55.2	2.1	2.7
15:00	301.7	293.8	288.5	285.4	73.8	71.6	67.5	.7	1.2
16:00	276.1	266.9	281.9	262.0	42.5	31.9	33.0	1.9	2.7
17:00	243.5	226.0	230.7	223.0	44.5	34.6	32.9	1.5	1.9
18:00	300.1	303.6	290.8	295.7	33.8	29.3	30.2	1.3	1.8
19:00	245.2	203.9	258.7	222.3	11.9	28.1	30.3	2.3	2.6
20:00	278.2	216.7	299.7	250.5	21.7	32.5	20.6	.7	1.3
21:00	31.4	39.7	349.1	22.6	35.8	32.2	26.4	.9	1.9
22:00	37.0	47.2	304.1	22.5	41.5	45.3	26.7	.5	1.1
23:00	242.2	206.3	246.3	216.5	19.5	33.9	31.8	2.6	3.2
Avg	247.0	230.0	254.0	233.0	34.8	31.1	25.6	.0	.0
Max	301.7	303.6	349.1	295.7	73.8	71.6	67.5	3.2	4.4
Hr. of Max	15	18	21	18	15	15	15	09	09
Min	31.4	39.7	194.8	22.5	11.9	8.4	4.5	.5	1.0
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)

7/22/2016

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	2.9	2.0	2.6	3.0	2.2	3.3	-.1	-.8	-.03
01:00	4.8	2.1	3.7	4.9	2.4	5.2	-.6	-.3	-.06
02:00	5.1	1.6	3.4	5.2	1.9	5.5	-.2	.3	-.05
03:00	4.9	1.8	3.3	5.0	2.1	5.3	-1.3	-.2	-.04
04:00	5.0	.9	3.0	5.0	1.3	5.2	1.2	.8	.03
05:00	3.8	1.0	2.0	3.8	1.5	4.0	-.7	.9	-.02
06:00	1.3	1.0	1.0	1.4	1.3	1.7	1.4	.0	.03
07:00	3.7	2.1	3.1	3.8	2.4	4.0	-1.0	-1.1	-.06
08:00	5.0	1.9	3.6	5.1	2.3	5.4	.8	-.1	.02
09:00	5.2	3.5	4.6	5.4	4.0	5.8	1.4	-.5	-.04
10:00	3.5	3.3	3.6	3.9	3.7	4.3	-.4	-2.0	-.11
11:00	3.6	3.5	4.0	4.3	4.2	4.9	-2.3	-.8	-.13
12:00	3.3	3.8	3.9	4.0	4.5	4.7	1.6	3.1	.06
13:00	2.8	3.4	3.5	3.7	4.2	4.5	-4.4	-3.3	-.35
14:00	3.0	3.1	3.8	3.9	3.8	4.7	-2.7	-3.4	-.10
15:00	1.4	2.1	2.6	2.7	2.5	3.3	-9.2	-11.7	-.41
16:00	3.1	2.3	3.1	3.7	2.6	4.0	-2.8	-4.1	-.20
17:00	2.4	2.5	2.8	3.0	2.8	3.4	5.6	10.5	.14
18:00	1.7	2.0	2.6	2.8	2.4	3.1	-1.6	-2.2	-.12
19:00	2.9	2.4	2.9	3.1	2.7	3.5	-3.0	-2.5	-.15
20:00	2.3	1.3	2.0	2.8	1.6	3.1	2.3	.8	.03
21:00	2.8	1.3	2.4	3.6	1.6	3.9	.1	-.1	-.04
22:00	1.9	1.1	1.3	2.1	1.3	2.4	-.1	.0	-.01
23:00	2.6	2.9	3.7	3.5	3.2	3.9	-.9	.3	-.08
Avg	.0	2.2	3.0	3.7	2.6	4.1	-.7	-.7	-.07
Max	5.2	3.8	4.6	5.4	4.5	5.8	5.6	10.5	.14
Hr. of Max	09	12	09	09	12	09	17	17	17
Min	1.3	.9	1.0	1.4	1.3	1.7	-9.2	-11.7	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.02	7.3	8.7	8.7	8.8	8.0	27.1	28.1
01:00	-.04	6.0	7.1	7.8	6.5	4.1	26.3	27.0
02:00	.01	5.0	9.8	13.1	8.0	3.4	25.9	26.5
03:00	-.03	3.7	4.8	8.9	4.5	2.9	25.8	26.3
04:00	.07	3.9	7.3	9.4	11.3	3.0	24.8	25.9
05:00	.07	2.7	5.5	10.1	8.2	4.3	24.5	25.4
06:00	.01	2.1	3.2	4.6	6.0	5.7	24.0	24.8
07:00	-.08	3.9	5.3	8.0	4.7	2.4	24.1	24.6
08:00	-.03	5.3	6.9	8.7	13.7	6.5	25.1	24.9
09:00	-.15	8.0	10.3	11.0	18.3	11.6	26.5	25.8
10:00	-.25	9.4	9.6	8.9	22.1	20.2	27.8	27.0
11:00	-.12	9.8	14.0	11.9	23.5	26.0	29.5	28.6
12:00	.35	11.7	13.1	13.7	23.7	29.2	31.1	30.3
13:00	-.42	9.4	10.5	9.4	25.3	29.8	32.4	31.6
14:00	-.28	9.6	9.8	11.2	26.6	29.4	33.4	32.5
15:00	-.65	8.2	8.9	11.0	28.7	29.0	33.7	32.9
16:00	-.39	11.2	9.2	12.6	22.5	17.9	33.8	33.1
17:00	.43	6.6	7.8	7.6	24.5	24.5	34.1	33.3
18:00	-.13	5.0	5.7	6.6	20.3	19.3	33.7	33.2
19:00	-.08	5.0	8.0	10.1	5.0	11.7	31.7	32.4
20:00	.03	7.6	11.9	17.6	8.3	4.9	30.2	30.5
21:00	.00	6.4	7.3	9.8	17.3	11.4	29.5	30.0
22:00	.00	4.8	5.7	5.7	12.8	14.3	29.0	29.2
23:00	.03	6.9	8.7	9.2	7.7	11.7	27.8	28.6
Avg	-.07	6.6	8.3	9.8	14.9	13.8	28.8	28.9
Max	.43	11.7	14.0	17.6	28.7	29.8	34.1	33.3
Hr. of Max	17	12	11	20	15	13	17	17
Min	-.65	2.1	3.2	4.6	4.5	2.4	24.0	24.6
Count	24	24	24	24	24	24	24	24
Total								