Date Printed: 09/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	20.2	20.2	20.4	20.5	.02	.16	.29	.13	.26
01:00	20.2	20.4	20.5	20.5	.18	.30	.33	.12	.15
02:00	20.2	20.2	20.2	20.2	-.06	-.08	-.09	-.02	-.02
03:00	20.0	19.9	19.8	19.7	-.07	-.23	-.27	-.15	-.20
04:00	19.6	19.5	19.4	19.3	-.11	-.26	-.31	-.16	-.21
05:00	19.1	18.9	18.8	18.7	-.15	-.31	-.36	-.16	-.21
06:00	17.8	17.7	17.4	17.4	-.15	-.38	-.42	-.23	-.27
07:00	16.9	16.8	16.6	16.5	-.12	-.30	-.36	-.18	-.24
08:00	16.9	16.8	16.7	16.6	-.12	-.29	-.36	-.17	-.24
09:00	17.3	17.2	17.1	17.0	-.05	-.21	-.26	-.15	-.20
10:00	18.3	17.9	17.7	17.6	-.34	-.61	-.72	-.27	-.38
11:00	19.8	19.2	18.8	18.7	-.56	-.92	-1.08	-.36	-.52
12:00	21.8	20.8	20.4	20.3	-.92	-1.31	-1.45	-.39	-.52
13:00	23.5	22.3	21.9	21.8	-1.25	-1.63	-1.75	-.39	-.50
14:00	24.7	23.4	23.1	23.0	-1.26	-1.59	-1.70	-.33	-.43
15:00	26.1	24.9	24.6	24.5	-1.16	-1.52	-1.63	-.36	-.47
16:00	26.5	25.5	25.2	25.0	-.95	-1.28	-1.41	-.33	-.45
17:00	27.0	26.2	25.9	25.8	-.78	-1.08	-1.17	-.29	-.39
18:00	24.6	25.8	25.7	25.7	1.17	1.09	1.09	-.08	-.07
19:00	20.0	24.0	24.6	24.8	3.99	4.59	4.74	.60	.75
20:00	17.3	20.9	22.2	22.5	3.63	4.91	5.19	1.28	1.56
21:00	15.8	18.9	20.0	20.5	3.05	4.23	4.73	1.17	1.67
22:00	14.5	17.2	18.3	19.5	2.71	3.81	5.00	1.10	2.29
23:00	13.3	16.1	17.2	18.3	2.83	3.88	4.93	1.06	2.11
Avg	20.1	20.4	20.5	20.6	.40	.46	.54	.06	.14
Max	27.0	26.2	25.9	25.8	3.99	4.91	5.19	1.28	2.29
Hr. of Max	17	17	17	17	19	20	20	20	22
Min	13.3	16.1	16.6	16.5	-1.26	-1.63	-1.75	-.39	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	19.0	19.0	19.4	25.1	94.9	95.0	16.3	16.3	0.014222
01:00	18.8	18.4	19.3	25.0	93.8	90.4	16.1	15.7	0.014065
02:00	18.3	18.1	19.0	24.9	90.9	89.6	15.6	15.4	0.013638
03:00	17.6	17.4	18.4	24.8	87.9	86.9	14.9	14.7	0.013016
04:00	17.1	16.8	17.9	24.7	87.1	86.2	14.5	14.2	0.012601
05:00	16.9	16.8	17.6	24.6	89.0	89.1	14.3	14.2	0.012442
06:00	16.4	16.4	16.9	24.4	93.1	94.3	13.9	14.0	0.012028
07:00	15.3	15.3	15.9	24.3	92.2	92.6	13.1	13.0	0.011226
08:00	14.5	14.2	15.3	24.2	87.2	86.1	12.4	12.1	0.010636
09:00	11.6	10.6	13.5	24.0	70.8	66.3	10.3	9.6	0.008826
10:00	7.9	6.8	11.4	23.9	51.8	49.0	8.0	7.4	0.006876
11:00	6.7	5.8	11.1	23.8	43.7	42.5	7.4	6.9	0.006357
12:00	7.0	5.9	11.9	23.8	39.2	38.5	7.5	6.9	0.006484
13:00	11.0	10.3	15.2	23.9	46.3	47.6	9.7	9.3	0.008519
14:00	12.0	11.7	16.2	24.2	46.2	48.7	10.3	10.1	0.009103
15:00	12.1	11.7	16.8	24.5	42.7	44.5	10.3	10.1	0.009181
16:00	11.9	11.4	16.8	24.8	41.4	42.3	10.2	9.9	0.00908
17:00	9.4	8.8	15.3	24.9	34.6	34.6	8.8	8.4	0.007813
18:00	8.6	5.3	13.9	25.0	37.2	27.6	8.2	6.6	0.007269
19:00	10.4	4.4	13.6	25.1	54.9	28.9	9.4	6.2	0.008163
20:00	10.0	6.0	12.4	24.9	63.4	38.6	9.2	7.0	0.007935
21:00	9.7	7.0	11.7	24.7	68.0	46.7	9.1	7.5	0.007751
22:00	9.2	7.5	11.0	24.5	71.5	53.5	8.8	7.8	0.007499
23:00	8.6	6.6	10.2	24.2	74.0	54.2	8.5	7.4	0.007175
Avg	12.5	11.3	15.0	24.5	66.7	61.4	11.1	10.4	0.009663
Max	19.0	19.0	19.4	25.1	94.9	95.0	16.3	16.3	0.014222
Hr. of Max	00	00	00	19	00	00	00	00	00
Min	6.7	4.4	10.2	23.8	34.6	27.6	7.4	6.2	0.006357
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	0.014265	22.0	22.1	.00	29.12	986.0	-2.2	.00	199.5
01:00	0.013701	21.8	21.2	.00	29.11	985.9	-2.5	.00	254.0
02:00	0.013401	21.2	20.8	.00	29.11	985.8	-1.9	.00	208.9
03:00	0.012818	20.2	19.9	.00	29.09	985.3	-1.9	.00	222.9
04:00	0.012389	19.6	19.2	.00	29.09	985.0	-1.5	.00	239.0
05:00	0.012328	19.3	19.1	.00	29.08	984.8	-1.8	.00	323.4
06:00	0.012059	18.7	18.7	.00	29.09	985.1	-1.8	.00	61.7
07:00	0.011179	17.5	17.4	.00	29.10	985.4	-.9	.00	59.0
08:00	0.01043	16.6	16.3	.00	29.11	985.7	30.2	.04	65.3
09:00	0.008243	13.8	12.9	.00	29.11	985.7	69.8	.10	76.7
10:00	0.00637	10.8	10.0	.00	29.11	985.7	245.2	.35	64.9
11:00	0.005968	10.0	9.4	.00	29.10	985.6	437.8	.63	63.5
12:00	0.006014	10.2	9.4	.00	29.08	984.8	700.9	1.00	123.5
13:00	0.008109	13.3	12.7	.00	29.05	983.9	788.8	1.13	203.5
14:00	0.008893	14.2	13.9	.00	29.03	983.0	806.5	1.16	167.8
15:00	0.008919	14.3	13.9	.00	29.00	982.3	717.9	1.03	205.2
16:00	0.008783	14.1	13.7	.00	28.99	981.6	553.8	.79	172.3
17:00	0.007462	12.2	11.6	.00	28.98	981.3	317.5	.46	243.7
18:00	0.005826	11.3	9.1	.00	28.98	981.3	105.8	.15	303.6
19:00	0.00546	12.7	8.5	.00	28.98	981.4	4.7	.01	307.4
20:00	0.006058	12.4	9.5	.00	28.99	981.8	-1.8	.00	259.9
21:00	0.006455	12.1	10.1	.00	29.00	982.2	-2.4	.00	262.0
22:00	0.006674	11.7	10.4	.00	29.02	982.6	-2.2	.00	320.8
23:00	0.006297	11.2	9.9	.00	29.03	983.0	-2.2	.00	269.9
Avg	0.009088	15.1	14.2	.00	29.06	984.0	198.2	.29	233.0
Max	0.014265	22.0	22.1	.00	29.12	986.0	806.5	1.16	323.4
Hr. of Max	00	00	00	23	00	00	14	14	05
Min	0.00546	10.0	8.5	.00	28.98	981.3	-2.5	.00	59.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	214.5	245.3	205.9	243.2	21.3	17.2	43.2	1.3	2.2
01:00	216.6	133.6	244.4	263.9	36.8	28.8	62.0	.8	.8
02:00	225.4	245.2	215.3	240.5	23.5	20.0	27.5	1.2	2.0
03:00	247.3	261.9	226.0	257.7	30.1	37.5	37.6	1.3	1.4
04:00	262.2	288.4	243.8	278.9	25.5	31.9	33.7	1.2	1.4
05:00	341.4	359.4	323.4	342.0	37.7	32.5	37.5	.8	1.5
06:00	54.4	54.7	65.3	42.6	40.4	24.2	14.7	2.0	3.8
07:00	61.3	63.1	64.9	51.8	29.6	19.1	12.1	2.6	4.8
08:00	72.6	77.5	67.3	64.9	35.8	27.8	20.7	1.9	2.8
09:00	81.3	78.4	78.9	66.9	27.2	20.8	17.1	2.3	3.5
10:00	57.2	56.4	69.0	44.7	35.7	23.9	14.6	2.3	3.9
11:00	57.3	53.8	66.1	41.1	37.9	27.2	20.6	2.4	3.6
12:00	113.5	112.3	129.6 +	98.9	63.0	56.7	49.9	1.4	1.7
13:00	204.3	197.9	212.0	194.0	52.4	55.6	49.1	1.8	1.9
14:00	191.7	197.6	176.0	192.6	49.8	48.8	43.3	3.0	3.3
15:00	220.8	220.5	210.9	214.2	40.6	35.3	29.3	3.5	4.0
16:00	173.7	189.0	178.1	183.9	63.2	57.7	62.7	1.5	1.7
17:00	252.0	250.0	249.5	242.3	28.1	25.4	23.6	3.3	4.1
18:00	313.8	311.2	302.7	299.5	19.4	20.1	15.5	2.1	3.2
19:00	310.9	310.2	306.3	298.8	14.7	11.1	8.4	2.4	4.4
20:00	303.1	306.8	259.2	296.4	23.7	17.7	12.7	1.6	3.6
21:00	291.0	285.1	263.7	273.5	20.8	43.4	31.0	1.1	1.4
22:00	216.3	259.4	288.5	251.2	54.7	54.7	31.1	.3	.5
23:00	210.1	231.4	273.2	227.4	16.6	11.9	21.7	.9	1.6
Avg	234.0	259.0	234.0	266.0	34.5	31.2	30.0	.0	.0
Max	341.4	359.4	323.4	342.0	63.2	57.7	62.7	3.5	4.8
Hr. of Max	05	05	05	05	16	16	16	15	07
Min	54.4	53.8	64.9	41.1	14.7	11.1	8.4	.3	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	1.6	1.5	2.3	1.9	1.9	2.2	.6	1.7	.01
01:00	.5	.9	1.1	1.0	1.3	1.3	-.1	-4.2	-.02
02:00	1.9	1.4	2.2	2.2	1.8	2.5	-.2	-1.9	-.02
03:00	2.1	1.4	1.7	2.4	2.0	2.7	3.5	-2.4	.09
04:00	1.6	1.4	1.7	1.9	1.8	2.2	-.7	-2.1	-.06
05:00	2.0	1.6	2.2	2.7	1.9	3.0	1.1	6.7	-.06
06:00	5.4	2.3	4.2	5.7	3.0	6.0	1.4	3.6	-.07
07:00	6.2	2.8	5.0	6.4	3.3	6.6	-.6	1.1	-.21
08:00	3.4	2.3	3.1	3.6	2.6	4.0	.7	6.0	-.01
09:00	4.1	2.5	3.7	4.3	3.0	4.7	2.8	5.9	.08
10:00	5.2	2.6	4.2	5.4	3.2	5.7	-.9	5.1	-.17
11:00	4.5	2.9	4.0	4.7	3.5	5.2	.7	1.0	-.11
12:00	1.8	2.1	2.4	2.5	2.8	3.2	.8	-11.7	.11
13:00	2.4	3.2	3.0	3.2	3.9	3.9	1.1	-9.5	-.02
14:00	3.7	4.5	4.8	4.9	5.2	5.4	-1.4	-4.1	-.11
15:00	4.5	4.4	4.9	5.2	4.9	5.8	-3.2	-4.1	-.26
16:00	2.0	3.6	3.8	4.0	4.2	4.7	-.6	-8.0	-.09
17:00	4.4	4.3	5.4	5.8	4.6	6.2	-3.0	-3.6	-.32
18:00	4.3	2.3	3.4	4.5	2.5	4.6	-1.2	-1.6	-.12
19:00	6.3	2.5	4.5	6.4	2.6	6.3	-1.3	-3.2	-.09
20:00	6.3	1.9	3.8	6.4	2.2	6.2	.7	1.2	.00
21:00	3.3	1.6	2.2	3.8	1.9	3.8	.3	2.5	.02
22:00	2.0	.4	.8	2.6	.7	2.6	1.1	2.7	.00
23:00	2.2	1.0	1.7	2.4	1.3	2.6	.1	-.6	-.01
Avg	.0	2.3	3.2	3.9	2.8	4.2	.1	-.8	-.06
Max	6.3	4.5	5.4	6.4	5.2	6.6	3.5	6.7	.11
Hr. of Max	20	14	17	20	14	07	03	05	12
Min	.5	.4	.8	1.0	.7	1.3	-3.2	-11.7	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2016

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	.03	3.2	4.6	6.4	9.5	14.4	21.7	21.6
01:00	-.14	2.5	4.6	4.1	9.3	14.6	21.8	21.5
02:00	-.10	3.4	4.6	4.4	13.5	13.4	21.5	21.1
03:00	-.16	3.9	4.6	6.0	19.0	19.8	21.2	20.7
04:00	-.15	3.9	4.6	7.1	18.0	19.1	20.8	20.2
05:00	.36	5.3	6.9	7.8	19.9	15.5	20.2	19.6
06:00	.27	8.0	10.3	11.0	22.9	12.0	18.9	18.3
07:00	.02	7.6	11.9	12.6	21.8	9.9	17.9	17.3
08:00	.34	6.9	7.3	8.0	21.1	15.7	17.8	17.3
09:00	.37	9.8	8.9	11.4	18.7	14.7	17.9	17.3
10:00	.30	8.7	9.8	9.2	22.5	15.7	18.3	17.6
11:00	.00	11.7	13.7	14.2	24.6	17.7	19.5	18.6
12:00	-.45	11.4	12.4	13.7	30.2	33.5	21.1	20.3
13:00	-.61	8.7	10.3	11.0	23.8	29.5	22.7	21.8
14:00	-.54	11.2	11.9	11.4	21.7	24.2	23.9	23.1
15:00	-.41	10.3	11.7	11.4	20.4	23.1	25.3	24.5
16:00	-.78	11.2	11.4	12.1	22.7	28.5	26.1	25.3
17:00	-.52	10.8	11.0	10.8	17.0	14.6	26.5	25.7
18:00	-.26	10.8	11.2	12.8	16.4	12.9	26.0	25.6
19:00	-.40	5.7	8.9	12.1	11.2	6.7	23.9	24.5
20:00	-.01	6.0	8.5	16.5	16.5	10.4	21.0	22.4
21:00	.10	4.4	7.6	16.7	14.6	15.5	19.1	20.5
22:00	.14	1.6	3.4	10.5	13.2	11.8	17.6	19.6
23:00	-.02	3.0	3.7	5.0	5.8	7.5	16.5	18.4
Avg	-.11	7.1	8.5	10.3	18.1	16.7	21.1	21.0
Max	.37	11.7	13.7	16.7	30.2	33.5	26.5	25.7
Hr. of Max	09	11	11	21	12	12	17	17
Min	-.78	1.6	3.4	4.1	5.8	6.7	16.5	17.3
Count	24	24	24	24	24	24	24	24
Total								