Date Printed: 08/12/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/11/2016

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	24.7	26.7	27.1	27.2	2.02	2.43	2.48	.42	.47
01:00	23.9	25.1	25.8	26.2	1.22	1.92	2.35	.70	1.13
02:00	23.4	24.5	24.9	25.4	1.14	1.56	1.99	.42	.85
03:00	23.0	24.0	24.1	24.4	1.05	1.19	1.44	.14	.39
04:00	23.2	23.8	23.8	23.9	.55	.54	.68	-.01	.13
05:00	23.4	23.6	23.7	23.8	.26	.33	.41	.07	.15
06:00	23.2	23.3	23.4	23.5	.19	.26	.37	.07	.18
07:00	23.1	23.4	23.4	23.5	.27	.31	.35	.04	.08
08:00	24.7	24.5	24.4	24.3	-.16	-.28	-.36	-.13	-.20
09:00	26.4	25.9	25.6	25.4	-.52	-.81	-.94	-.29	-.42
10:00	27.5	26.9	26.6	26.5	-.59	-.85	-.98	-.26	-.38
11:00	29.2	28.3	27.9	27.8	-.88	-1.25	-1.37	-.36	-.49
12:00	30.2	29.2	28.8	28.7	-1.00	-1.35	-1.49	-.35	-.49
13:00	31.2	30.1	29.7	29.6	-1.07	-1.43	-1.54	-.36	-.47
14:00	31.4	30.6	30.3	30.3	-.84	-1.08	-1.14	-.24	-.31
15:00	32.0	31.0	30.7	30.6	-1.00	-1.29	-1.39	-.30	-.39
16:00	31.0	30.3	30.0	30.0	-.75	-1.02	-1.06	-.27	-.32
17:00	30.7	30.2	29.9	29.9	-.56	-.77	-.77	-.22	-.21
18:00	31.3	30.8	30.6	30.6	-.50	-.74	-.79	-.24	-.29
19:00	30.1	30.2	30.1	30.2	.15	.06	.09	-.09	-.06
20:00	26.8	28.1	28.8	29.3	1.36	2.07	2.52	.71	1.16
21:00	25.0	26.5	27.1	28.0	1.49	2.11	2.99	.62	1.50
22:00	24.1	25.4	26.0	26.7	1.37	1.93	2.67	.56	1.30
23:00	23.5	24.8	25.3	26.4	1.31	1.84	2.96	.53	1.65
Avg	26.8	27.0	27.0	27.2	.19	.24	.39	.05	.21
Max	32.0	31.0	30.7	30.6	2.02	2.43	2.99	.71	1.65
Hr. of Max	15	15	15	18	00	00	21	20	23
Min	23.0	23.3	23.4	23.5	-1.07	-1.43	-1.54	-.36	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/11/2016

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	21.3	19.9	22.4	28.6	83.7	68.2	18.5	16.9	0.016442
01:00	21.0	20.3	21.9	28.4	86.1	76.9	18.2	17.4	0.016095
02:00	20.7	20.3	21.6	28.2	87.2	79.5	17.9	17.4	0.015815
03:00	20.5	20.6	21.4	28.0	88.5	83.7	17.8	17.8	0.015656
04:00	21.0	21.1	21.7	27.9	89.4	87.4	18.2	18.4	0.016095
05:00	21.6	21.8	22.2	27.7	92.5	92.1	19.0	19.1	0.016752
06:00	21.8	21.9	22.2	27.5	94.6	94.3	19.2	19.3	0.016919
07:00	21.8	21.8	22.2	27.4	94.5	93.2	19.1	19.1	0.016886
08:00	21.5	21.1	22.6	27.3	85.1	83.8	18.8	18.3	0.016663
09:00	21.3	20.6	23.0	27.2	75.9	74.7	18.4	17.6	0.016431
10:00	21.0	20.4	23.2	27.1	69.9	69.4	18.1	17.4	0.016163
11:00	21.1	20.4	23.8	27.2	63.6	64.2	18.0	17.4	0.016223
12:00	21.2	20.7	24.2	27.5	60.7	62.2	18.1	17.6	0.016397
13:00	20.8	20.4	24.3	27.8	56.1	57.9	17.7	17.3	0.016051
14:00	20.4	20.0	24.1	28.3	53.7	54.9	17.2	16.8	0.015616
15:00	20.3	19.9	24.2	28.6	51.9	53.4	17.1	16.8	0.015588
16:00	21.1	20.8	24.4	28.8	57.5	58.6	18.0	17.7	0.016375
17:00	21.3	21.0	24.5	29.0	59.2	59.9	18.2	17.9	0.016565
18:00	21.1	20.7	24.5	29.1	56.4	56.5	18.0	17.5	0.016357
19:00	20.9	20.3	23.9	29.1	59.8	57.2	17.8	17.2	0.016094
20:00	21.6	20.6	23.3	29.1	75.4	65.7	18.7	17.6	0.016763
21:00	21.2	21.0	22.5	29.0	81.8	73.8	18.4	18.0	0.016363
22:00	21.1	21.1	22.1	28.8	85.6	79.1	18.3	18.2	0.016211
23:00	20.9	21.1	21.7	28.6	87.7	82.2	18.1	18.2	0.01602
Avg	21.1	20.7	23.0	28.2	74.9	72.0	18.2	17.8	0.016272
Max	21.8	21.9	24.5	29.1	94.6	94.3	19.2	19.3	0.016919
Hr. of Max	07	06	18	20	06	06	06	06	06
Min	20.3	19.9	21.4	27.1	51.9	53.4	17.1	16.8	0.015588
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/11/2016

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	0.015092	25.5	23.4	.00	29.19	988.5	-2.1	.00	262.1
01:00	0.015449	24.9	24.0	.00	29.19	988.4	-2.2	.00	7.5
02:00	0.015443	24.5	24.0	.00	29.19	988.6	-1.9	.00	292.6
03:00	0.015764	24.3	24.4	.00	29.19	988.4	-2.1	.00	55.8
04:00	0.016256	24.9	25.2	.00	29.19	988.5	-2.3	.00	56.7
05:00	0.016939	25.9	26.2	.00	29.20	989.0	-2.2	.00	353.4
06:00	0.017057	26.2	26.4	.00	29.21	989.2	-.8	.00	30.5
07:00	0.01691	26.1	26.2	.00	29.21	989.3	54.7	.08	44.1
08:00	0.01624	25.8	25.2	.00	29.21	989.3	184.8	.26	54.0
09:00	0.015687	25.5	24.3	.00	29.22	989.4	467.4	.67	95.6
10:00	0.015492	25.1	24.0	.00	29.21	989.4	479.7	.69	111.4
11:00	0.015558	25.2	24.1	.00	29.22	989.5	642.9	.92	166.6
12:00	0.01585	25.4	24.6	.00	29.20	989.0	690.0	.99	189.6
13:00	0.015582	24.9	24.2	.00	29.18	988.3	717.5	1.03	237.2
14:00	0.01522	24.2	23.6	.00	29.17	987.7	475.2	.68	214.3
15:00	0.01518	24.1	23.5	.00	29.15	987.1	561.4	.80	235.7
16:00	0.016001	25.3	24.7	.00	29.13	986.6	332.6	.48	246.9
17:00	0.016233	25.6	25.1	.00	29.12	986.2	245.7	.35	289.3
18:00	0.015918	25.3	24.6	.00	29.11	986.0	268.4	.38	234.3
19:00	0.015573	24.9	24.1	.00	29.11	986.0	89.8	.13	220.8
20:00	0.0158	25.9	24.4	.00	29.11	985.8	8.0	.01	275.6
21:00	0.016141	25.3	24.9	.00	29.11	985.9	-2.3	.00	315.2
22:00	0.016262	25.1	25.1	.00	29.12	986.3	-2.2	.00	345.0
23:00	0.016235	24.8	25.1	.00	29.13	986.3	-2.4	.00	339.2
Avg	0.015912	25.2	24.6	.00	29.17	987.9	216.6	.31	301.0
Max	0.017057	26.2	26.4	.00	29.22	989.5	717.5	1.03	353.4
Hr. of Max	06	06	06	23	11	11	13	13	05
Min	0.015092	24.1	23.4	.00	29.11	985.8	-2.4	.00	7.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/11/2016

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	244.7	208.8	264.1	204.0	21.5	16.0	18.0	1.9	2.7
01:00	30.3	43.1	355.7	16.8	50.4	25.3	19.2	.6	1.2
02:00	116.2	69.5	285.6	21.2	48.6	52.8	15.2	.3	.3
03:00	62.2	62.8	58.1	50.8	25.2	14.4	8.1	1.4	2.8
04:00	63.3	68.2	58.9	56.8	24.8	13.8	8.1	1.6	3.5
05:00	79.6	96.0	353.9	84.6	51.3	46.9	31.0	.4	.8
06:00	65.1	70.8	29.3	58.9	45.5	20.6	12.7	1.5	2.4
07:00	67.9	72.1	45.3	60.3	13.7	10.9	8.5	1.8	2.7
08:00	54.7	61.5	54.4	49.8	32.7	15.9	12.9	2.4	4.4
09:00	96.8	97.9	98.3	86.4	34.2	30.6	27.1	2.2	2.6
10:00	122.0	118.4	118.1	109.6	40.2	31.9	24.9	1.8	1.9
11:00	179.3	171.1	170.5	168.0	48.6	45.6	44.5	1.9	2.2
12:00	199.5	197.4	197.0	191.3	49.4	41.5	36.1	2.3	2.8
13:00	235.6	228.2	239.8	227.2	49.8	43.8	45.7	1.8	2.4
14:00	223.7	210.8	225.0	206.3	53.7	40.9	39.2	1.7	2.5
15:00	243.4	238.0	242.1	231.3	24.5	20.3	18.2	4.6	6.4
16:00	249.7	245.4	252.9	238.7	22.8	14.7	9.9	3.7	5.4
17:00	282.2	263.9	289.9	263.0	50.7	43.7	48.9	1.2	1.4
18:00	244.6	238.6	238.7	232.1	31.3	22.6	20.8	2.1	3.0
19:00	222.6	216.2	225.8	210.1	23.8	14.5	10.7	2.5	4.3
20:00	224.2	214.0	279.1	208.8	14.5	11.0	7.4	1.1	2.2
21:00	243.7	168.3	317.2	185.4	30.0	27.0	14.6	.7	.2
22:00	59.6	82.7	341.5	40.5	28.7	12.1	22.4	.6	1.4
23:00	68.0	200.7	341.1	229.9	26.8	14.3	50.5	.3	1.1
Avg	153.0	155.0	299.0	161.0	35.1	26.3	23.1	.0	.0
Max	282.2	263.9	355.7	263.0	53.7	52.8	50.5	4.6	6.4
Hr. of Max	17	17	01	17	14	02	23	15	15
Min	30.3	43.1	29.3	16.8	13.7	10.9	7.4	.3	.2
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)

8/11/2016

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	2.7	2.0	2.9	3.0	2.3	3.3	-.9	-2.8	-.08
01:00	.7	.9	1.7	2.0	1.1	2.2	3.8	2.1	.06
02:00	.5	.4	.4	.6	.7	.9	.1	1.1	.00
03:00	4.2	1.6	3.0	4.3	1.8	4.5	-.9	.4	-.09
04:00	4.9	1.8	3.7	5.0	1.9	5.2	-2.3	.6	-.13
05:00	1.8	1.7	2.6	2.9	2.1	3.2	-.7	1.3	-.10
06:00	3.4	1.7	2.5	3.5	1.9	3.7	-3.5	-1.6	-.18
07:00	3.6	1.8	2.8	3.6	2.0	3.8	-4.4	.0	-.19
08:00	5.1	2.6	4.6	5.2	2.9	5.4	-5.3	-.3	-.45
09:00	3.0	2.7	3.1	3.4	3.2	3.8	-.2	-2.2	-.04
10:00	1.9	2.1	2.2	2.1	2.7	2.7	-4.0	-5.6	-.20
11:00	2.4	2.8	3.3	3.3	3.5	3.9	3.0	4.5	.13
12:00	3.2	3.3	3.6	4.1	3.8	4.6	3.8	3.8	.09
13:00	2.5	2.9	3.5	3.7	3.5	4.3	.1	-2.4	-.12
14:00	2.8	2.9	3.2	3.6	3.4	4.1	-4.8	-2.7	-.29
15:00	7.5	5.0	6.7	7.8	5.6	8.4	-1.5	-.4	-.31
16:00	6.6	3.9	5.6	6.7	4.5	7.1	-1.5	-1.8	-.27
17:00	1.9	1.5	1.7	2.1	1.8	2.4	4.2	3.4	.02
18:00	3.4	2.7	3.6	4.0	3.2	4.3	.6	-.7	-.08
19:00	5.8	2.7	4.4	5.9	3.1	6.3	-.2	-.2	-.10
20:00	3.8	1.3	2.3	3.8	1.4	4.0	-.2	-.6	-.01
21:00	1.0	.8	.8	1.0	1.0	1.4	-.4	-.5	.00
22:00	.3	.7	1.4	.3	.8	.8	2.0	-1.1	.03
23:00	.4	.5	1.2	1.3	.7	1.6	1.4	.0	.02
Avg	.0	2.1	3.0	3.5	2.5	3.8	-.5	-.2	-.10
Max	7.5	5.0	6.7	7.8	5.6	8.4	4.2	4.5	.13
Hr. of Max	15	15	15	15	15	15	17	11	11
Min	.3	.4	.4	.3	.7	.8	-5.3	-5.6	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/11/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.19	6.9	8.9	7.6	10.3	12.8	28.1	28.3
01:00	.07	3.0	5.7	6.4	12.2	10.0	26.5	27.4
02:00	.04	1.6	2.1	3.2	11.2	10.8	26.0	26.6
03:00	.00	4.6	6.0	7.3	11.8	5.8	25.6	25.7
04:00	.03	4.8	6.4	8.9	14.8	5.6	25.5	25.3
05:00	.05	5.7	6.0	6.2	16.3	11.0	25.4	25.2
06:00	-.10	5.3	6.0	6.9	14.2	7.5	25.1	24.9
07:00	-.02	3.9	8.5	10.8	9.7	6.8	25.2	24.9
08:00	-.09	6.4	8.9	11.4	21.8	11.3	26.3	25.7
09:00	-.12	7.8	8.7	9.2	22.3	23.5	27.5	26.8
10:00	-.23	7.3	6.6	6.2	25.8	31.3	28.5	27.8
11:00	.33	10.5	10.1	10.1	24.7	26.6	29.7	28.9
12:00	.15	9.2	8.9	12.1	24.3	22.9	30.6	29.7
13:00	-.19	10.1	12.1	11.2	27.9	30.1	31.4	30.6
14:00	-.14	10.5	12.6	11.4	20.2	26.9	31.9	31.2
15:00	-.23	12.6	15.6	16.9	17.5	12.7	32.2	31.3
16:00	-.27	9.6	9.4	9.8	15.6	8.1	31.7	30.9
17:00	.04	8.5	8.2	11.2	25.3	21.9	31.8	31.0
18:00	-.17	8.0	10.8	10.5	19.3	18.7	32.2	31.5
19:00	-.07	8.0	10.8	11.7	15.3	8.3	31.6	31.1
20:00	-.04	4.1	8.0	9.4	6.2	2.4	29.5	30.4
21:00	-.01	2.3	1.8	6.0	8.4	11.1	28.0	29.2
22:00	-.02	2.1	3.0	1.8	9.4	16.0	27.0	28.1
23:00	.02	2.3	3.9	3.4	8.9	10.9	26.4	27.8
Avg	-.05	6.5	7.9	8.7	16.4	14.7	28.5	28.3
Max	.33	12.6	15.6	16.9	27.9	31.3	32.2	31.5
Hr. of Max	11	15	15	15	13	10	18	18
Min	-.27	1.6	1.8	1.8	6.2	2.4	25.1	24.9
Count	24	24	24	24	24	24	24	24
Total								