Date Printed: 08/22/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2016

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	22.6	22.9	23.0	23.2	.28	.41	.66	.13	.38
01:00	22.3	22.8	22.9	23.1	.50	.63	.84	.13	.34
02:00	22.2	22.6	22.6	22.8	.34	.40	.57	.06	.23
03:00	22.3	22.5	22.5	22.6	.15	.16	.30	.01	.15
04:00	22.6	22.6	22.6	22.8	.03	.01	.16	-.02	.13
05:00	22.6	22.5	22.5	22.6	-.03	-.10	.00	-.07	.03
06:00	22.6	22.6	22.5	22.6	-.01	-.10	-.01	-.08	.00
07:00	22.8	22.8	22.7	22.8	-.03	-.11	-.03	-.08	.00
08:00	23.0	22.9	22.8	22.8	-.08	-.22	-.20	-.14	-.12
09:00	23.6	23.4	23.2	23.2	-.17	-.36	-.39	-.20	-.22
10:00	25.2	24.7	24.4	24.3	-.49	-.79	-.90	-.30	-.42
11:00	25.7	25.3	25.0	24.9	-.41	-.71	-.80	-.30	-.39
12:00	24.9	24.7	24.5	24.5	-.25	-.45	-.46	-.19	-.21
13:00	24.3	23.9	23.7	23.7	-.35	-.53	-.59	-.18	-.24
14:00	25.2	24.7	24.5	24.4	-.52	-.76	-.82	-.24	-.30
15:00	26.0	25.4	25.2	25.1	-.59	-.81	-.89	-.22	-.29
16:00	26.9	26.2	25.9	25.8	-.69	-.94	-1.04	-.25	-.35
17:00	27.2	26.7	26.4	26.3	-.57	-.80	-.90	-.24	-.33
18:00	26.7	26.4	26.2	26.1	-.30	-.49	-.53	-.19	-.23
19:00	25.2	25.5	25.4	25.4	.30	.24	.24	-.05	-.06
20:00	22.6	24.4	24.8	24.9	1.84	2.22	2.33	.38	.49
21:00	21.0	22.7	23.6	23.9	1.68	2.59	2.83	.91	1.15
22:00	20.0	21.4	22.7	23.4	1.41	2.67	3.42	1.26	2.01
23:00	19.4	20.5	21.3	21.8	1.06	1.83	2.41	.77	1.35
Avg	23.6	23.8	23.8	23.9	.13	.17	.26	.04	.13
Max	27.2	26.7	26.4	26.3	1.84	2.67	3.42	1.26	2.01
Hr. of Max	17	17	17	17	20	22	22	22	22
Min	19.4	20.5	21.3	21.8	-.69	-.94	-1.04	-.30	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/21/2016

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	21.8	21.7	26.3	95.2	96.3	18.6	19.2	0.016561
01:00	21.1	21.7	21.5	26.2	95.4	96.0	18.4	19.0	0.016296
02:00	21.1	21.7	21.5	26.1	96.0	97.2	18.4	19.0	0.016362
03:00	21.3	21.6	21.6	26.0	96.1	97.4	18.6	19.0	0.016484
04:00	21.4	21.8	21.8	25.9	95.4	97.5	18.7	19.1	0.01662
05:00	21.4	21.8	21.8	25.8	95.7	98.1	18.8	19.2	0.016661
06:00	21.5	22.0	21.9	25.8	95.9	99.1	18.8	19.4	0.016714
07:00	21.6	22.1	22.0	25.7	95.6	98.5	18.9	19.5	0.016832
08:00	21.6	22.0	22.1	25.6	94.4	97.0	19.0	19.4	0.016867
09:00	21.6	21.6	22.3	25.6	91.1	92.1	18.9	18.9	0.016821
10:00	21.6	21.2	22.8	25.6	83.0	82.9	18.9	18.3	0.016883
11:00	21.2	20.8	22.7	25.6	78.1	78.3	18.3	17.9	0.016373
12:00	21.1	21.0	22.4	25.7	81.8	82.4	18.3	18.2	0.016318
13:00	22.3	22.1	22.9	25.8	91.4	92.4	19.7	19.5	0.017553
14:00	21.7	21.1	22.9	25.8	83.1	82.4	18.9	18.3	0.016922
15:00	20.6	20.0	22.4	25.9	74.0	74.0	17.6	17.1	0.01579
16:00	20.1	19.4	22.3	26.0	68.4	68.2	17.1	16.4	0.015318
17:00	19.4	18.9	22.0	26.2	64.0	64.1	16.4	15.9	0.014674
18:00	19.5	19.0	21.9	26.3	66.8	65.9	16.5	16.0	0.014788
19:00	20.2	19.3	21.9	26.4	76.1	70.7	17.3	16.4	0.015415
20:00	20.0	18.7	20.9	26.4	87.8	72.4	17.2	15.8	0.015214
21:00	19.1	18.1	19.7	26.4	90.7	76.9	16.3	15.2	0.014304
22:00	18.4	18.4	18.9	26.3	92.2	84.6	15.6	15.6	0.013632
23:00	18.1	18.3	18.5	26.1	93.9	89.4	15.4	15.6	0.013371
Avg	20.7	20.6	21.7	26.0	86.8	85.6	17.9	17.8	0.015949
Max	22.3	22.1	22.9	26.4	96.1	99.1	19.7	19.5	0.017553
Hr. of Max	13	13	14	21	03	06	13	13	13
Min	18.1	18.1	18.5	25.6	64.0	64.1	15.4	15.2	0.013371
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2016

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	0.01704	25.5	26.2	.00	28.98	981.4	-2.9	.00	236.3
01:00	0.016902	25.1	26.0	.00	28.98	981.4	-2.7	.00	239.5
02:00	0.016913	25.1	26.0	.00	28.97	981.1	-1.8	.00	249.5
03:00	0.016849	25.3	25.9	.00	28.97	981.0	-2.2	.00	236.4
04:00	0.017027	25.5	26.1	.00	28.97	980.9	-2.8	.00	242.1
05:00	0.017047	25.6	26.2	.04	28.97	980.9	-2.7	.00	231.6
06:00	0.017259	25.7	26.5	.00	28.97	981.2	-2.2	.00	231.0
07:00	0.017321	25.9	26.6	.00	29.00	981.9	19.6	.03	224.7
08:00	0.017233	25.9	26.5	.00	29.02	982.6	51.8	.07	228.1
09:00	0.016824	25.9	25.9	.00	29.02	982.9	200.1	.29	220.0
10:00	0.016377	26.0	25.2	.00	29.03	983.2	467.2	.67	219.5
11:00	0.016008	25.2	24.7	.00	29.04	983.5	391.4	.56	211.1
12:00	0.016185	25.1	24.9	.09	29.05	983.7	241.9	.35	235.4
13:00	0.017387	27.0	26.8	.01	29.06	984.0	298.0	.43	248.7
14:00	0.016273	26.1	25.1	.00	29.06	984.1	486.2	.70	258.2
15:00	0.015232	24.4	23.5	.00	29.06	984.0	459.2	.66	270.9
16:00	0.014675	23.6	22.7	.00	29.05	983.7	582.8	.84	268.8
17:00	0.014195	22.7	21.9	.00	29.05	983.7	391.3	.56	278.1
18:00	0.014346	22.9	22.2	.00	29.06	984.0	174.9	.25	283.7
19:00	0.014586	23.8	22.6	.00	29.08	984.6	52.3	.07	272.9
20:00	0.014018	23.5	21.7	.00	29.10	985.3	3.3	.00	275.8
21:00	0.013405	22.2	20.8	.00	29.12	986.2	-2.2	.00	312.3
22:00	0.013639	21.2	21.2	.00	29.15	987.1	-2.2	.00	299.0
23:00	0.013587	20.8	21.1	.00	29.16	987.6	-2.0	.00	13.6
Avg	0.015847	24.6	24.4	.01	29.04	983.3	158.2	.23	252.0
Max	0.017387	27.0	26.8	.09	29.16	987.6	582.8	.84	312.3
Hr. of Max	13	13	13	12	23	23	16	16	21
Min	0.013405	20.8	20.8	.00	28.97	980.9	-2.9	.00	13.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2016

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	231.6	219.3	240.6	213.4	15.6	7.1	5.0	2.3	4.6
01:00	243.4	233.8	244.0	227.3	13.2	7.8	5.3	2.7	5.2
02:00	239.5	225.4	253.4	219.3	17.4	10.0	6.4	2.3	4.5
03:00	237.6	226.8	241.3	220.7	19.3	9.0	6.6	1.6	3.6
04:00	240.3	230.2	246.9	224.0	18.9	9.6	5.9	2.4	4.7
05:00	233.8	227.6	236.6	221.3	23.3	11.5	8.4	2.1	4.4
06:00	232.7	227.0	236.2	220.5	23.7	11.2	7.8	2.8	5.5
07:00	229.1	223.9	231.9	217.6	20.3	11.0	7.1	3.3	6.2
08:00	229.7	226.4	232.2	219.9	20.9	14.0	10.6	4.3	6.9
09:00	225.1	221.0	225.9	214.5	20.1	14.0	10.8	5.0	7.5
10:00	224.7	221.6	223.3	215.1	23.6	18.1	13.1	5.0	7.1
11:00	217.1	216.1	216.6	209.8	22.2	16.9	12.7	6.4	9.1
12:00	240.0	238.3	240.9	231.8	21.8	15.8	12.4	6.6	9.6
13:00	257.1	261.5	250.3	254.3	30.5	22.0	19.2	3.0	4.7
14:00	267.1	268.4	262.5	260.5	29.9	21.0	18.5	3.6	5.3
15:00	279.1	278.2	274.4	269.7	32.0	24.4	22.3	3.7	4.9
16:00	278.8	282.9	272.4	273.5	30.7	23.3	22.3	3.6	4.6
17:00	287.8	292.0	278.1	281.1	37.5	30.2	32.0	3.6	4.5
18:00	292.3	295.9	284.6	285.6	26.2	21.1	16.3	2.6	3.8
19:00	285.0	293.6	276.6	283.6	30.0	26.0	21.6	1.3	2.5
20:00	292.4	303.3	277.4	292.0	16.8	14.8	15.2	1.7	3.0
21:00	321.3	333.4	312.7	315.1	32.3	24.2	30.1	1.1	1.4
22:00	336.8	351.9	294.7	321.4	20.8	43.0	33.2	1.2	1.5
23:00	56.0	52.1	7.5	36.3	55.3	26.8	35.1	.3	.6
Avg	257.0	254.0	256.0	247.0	25.1	18.0	15.7	.0	.0
Max	336.8	351.9	312.7	321.4	55.3	43.0	35.1	6.6	9.6
Hr. of Max	22	22	21	22	23	22	23	12	12
Min	56.0	52.1	7.5	36.3	13.2	7.1	5.0	.3	.6
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)

8/21/2016

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	6.4	2.4	4.7	6.4	2.8	6.8	-2.9	-.8	-.18
01:00	7.5	2.8	5.3	7.5	3.1	7.9	-.9	.3	-.08
02:00	6.4	2.4	4.6	6.4	2.8	6.8	-3.3	-1.0	-.19
03:00	5.4	1.7	3.6	5.5	2.0	5.9	.2	-.1	-.03
04:00	6.9	2.5	4.8	7.0	2.8	7.4	-.4	-.4	-.10
05:00	6.4	2.3	4.5	6.5	2.8	6.9	-.7	.3	-.12
06:00	7.9	3.0	5.6	7.9	3.5	8.4	-.4	-.7	-.14
07:00	8.5	3.5	6.4	8.6	3.9	9.1	.7	-.6	-.11
08:00	9.3	4.6	7.1	9.5	4.8	10.0	1.7	.7	-.04
09:00	9.6	5.2	7.7	9.8	5.7	10.4	1.0	.3	-.13
10:00	8.5	5.3	7.3	8.7	5.9	9.3	2.1	1.1	.02
11:00	11.1	6.8	9.5	11.4	7.5	12.0	-.2	-.4	-.28
12:00	11.7	7.1	10.2	12.3	7.7	12.9	-.7	-.7	-.36
13:00	6.0	3.4	5.1	6.4	3.9	6.7	1.6	.4	-.15
14:00	6.2	4.1	5.7	6.6	4.4	6.9	.8	.3	-.24
15:00	5.7	4.3	5.4	6.1	4.7	6.5	-2.8	-2.1	-.46
16:00	5.3	4.1	5.0	5.7	4.6	6.1	-3.9	-3.4	-.46
17:00	5.2	4.1	4.9	5.6	4.5	6.0	-6.3	-5.5	-.57
18:00	5.1	2.9	4.1	5.3	3.2	5.5	-2.6	-3.1	-.30
19:00	3.8	1.4	2.7	4.1	1.8	4.2	.3	-4.2	-.07
20:00	4.2	1.8	3.1	4.4	2.0	4.4	-2.3	-3.2	-.09
21:00	2.1	1.4	1.7	2.5	1.6	2.7	.6	1.3	-.02
22:00	2.8	1.3	1.6	3.0	1.4	3.2	-.6	-1.4	-.01
23:00	1.1	.4	1.3	2.4	.6	2.6	2.4	1.0	.05
Avg	.0	3.3	5.1	6.7	3.7	7.0	-.7	-.9	-.17
Max	11.7	7.1	10.2	12.3	7.7	12.9	2.4	1.3	.05
Hr. of Max	12	12	12	12	12	12	23	21	23
Min	1.1	.4	1.3	2.4	.6	2.6	-6.3	-5.5	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.10	7.8	11.9	13.3	7.6	3.1	24.6	24.7
01:00	.03	6.0	10.3	11.4	8.6	3.5	24.5	24.6
02:00	-.13	5.3	12.8	15.8	8.6	3.6	24.3	24.2
03:00	-.01	4.1	8.0	9.2	10.4	3.6	24.2	24.1
04:00	-.06	6.9	12.1	15.3	13.1	3.8	24.4	24.2
05:00	.00	8.0	9.4	11.7	13.6	5.8	24.3	24.0
06:00	-.13	6.9	11.2	15.6	15.8	5.7	24.3	24.0
07:00	-.13	10.1	16.3	18.5	16.6	5.3	24.5	24.2
08:00	.03	11.9	16.9	23.1	17.1	7.4	24.7	24.2
09:00	-.04	13.5	16.7	17.2	16.5	8.0	25.1	24.5
10:00	.03	13.7	17.6	17.2	19.2	11.8	26.3	25.5
11:00	-.26	16.9	23.6	25.2	16.6	9.9	26.8	26.0
12:00	-.29	25.4	27.9	33.4	16.0	8.5	26.3	25.7
13:00	-.15	10.5	12.1	21.3	20.4	12.6	25.7	25.1
14:00	-.25	11.4	12.1	13.5	21.0	14.7	26.4	25.6
15:00	-.50	10.5	13.1	21.3	18.9	15.8	26.9	26.2
16:00	-.61	10.3	11.2	14.0	20.2	17.5	27.5	26.8
17:00	-.85	15.1	19.9	19.0	20.3	17.2	28.0	27.3
18:00	-.46	9.4	11.4	13.7	18.5	12.1	27.7	27.1
19:00	-.43	5.7	6.0	7.6	20.1	12.9	26.9	26.4
20:00	-.36	3.9	6.6	8.0	10.6	11.1	25.7	25.9
21:00	-.10	5.7	7.1	8.2	11.5	14.2	23.9	24.8
22:00	-.01	3.2	6.6	9.2	8.1	9.1	22.6	24.4
23:00	.02	3.4	6.2	9.4	14.7	15.4	21.7	22.9
Avg	-.20	9.4	12.8	15.5	15.2	9.7	25.3	25.1
Max	.03	25.4	27.9	33.4	21.0	17.5	28.0	27.3
Hr. of Max	10	12	12	12	14	16	17	17
Min	-.85	3.2	6.0	7.6	7.6	3.1	21.7	22.9
Count	24	24	24	24	24	24	24	24
Total								