Date Printed: 8/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2017

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	05_TempF_002m	06_TempF_015m	07_TempF_035m	08_TempF_060m	09_VTGrad_0215m
Hour	DEGC	DEGC	DEGC	DEGC	DEGF	DEGF	DEGF	DEGF	DEGC
00:00	21.0	22.0	22.4	22.8	69.7	71.7	72.3	73.0	1.09
01:00	20.6	21.7	21.8	22.2	69.0	71.0	71.2	71.9	1.10
02:00	20.1	21.0	21.4	21.8	68.2	69.7	70.4	71.3	.84
03:00	19.9	20.8	21.1	21.5	67.8	69.5	70.0	70.7	.98
04:00	19.5	20.9	20.9	21.1	67.2	69.6	69.6	70.1	1.33
05:00	19.2	20.4	20.6	20.8	66.5	68.7	69.0	69.5	1.19
06:00	19.6	20.4	20.3	20.5	67.3	68.7	68.6	68.9	.78
07:00	19.7	20.4	20.3	20.5	67.5	68.8	68.6	68.9	.73
08:00	21.3	21.1	20.9	20.8	70.3	70.1	69.7	69.5	-.14
09:00	23.2	22.7	22.4	22.2	73.8	72.9	72.4	72.0	-.51
10:00	25.6	24.9	24.7	24.5	78.1	76.9	76.4	76.1	-.65
11:00	27.9	27.0	26.7	26.5	82.3	80.6	80.1	79.6	-.93
12:00	29.1	28.1	27.9	27.6	84.3	82.5	82.1	81.7	-1.00
13:00	30.4	29.3	29.0	28.8	86.7	84.8	84.2	83.8	-1.10
14:00	31.6	30.2	29.9	29.8	88.9	86.3	85.7	85.6	-1.46
15:00	31.9	30.8	30.5	30.3	89.5	87.4	86.9	86.6	-1.15
16:00	32.1	31.2	30.9	30.7	89.8	88.2	87.6	87.3	-.92
17:00	32.1	31.5	31.2	31.0	89.7	88.6	88.1	87.8	-.61
18:00	30.3	30.5	30.6	30.6	86.6	86.8	87.1	87.1	.12
19:00	26.9	28.1	29.9	30.3	80.4	82.6	85.9	86.6	1.20
20:00	24.3	26.2	27.1	27.5	75.7	79.2	80.8	81.6	1.95
21:00	22.9	24.9	25.3	25.9	73.2	76.9	77.5	78.6	2.03
22:00	22.2	23.9	24.2	25.0	71.9	75.1	75.5	77.0	1.76
23:00	21.5	22.8	23.5	24.3	70.7	73.1	74.3	75.7	1.33
Avg	24.7	25.0	25.1	25.3	76.5	77.1	77.3	77.5	.33
Max	32.1	31.5	31.2	31.0	89.8	88.6	88.1	87.8	2.03
Hr. of Max	17	17	17	17	16	17	17	17	21
Min	19.2	20.4	20.3	20.5	66.5	68.7	68.6	68.9	-1.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2017

Interval: 001h

	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	PERCENT
00:00	1.43	1.80	.33	.71	19.1	21.1	21.4	27.3	91.5
01:00	1.23	1.59	.13	.49	19.0	21.2	21.4	27.1	93.1
02:00	1.24	1.70	.40	.85	18.7	20.6	20.7	26.8	93.9
03:00	1.23	1.62	.25	.64	18.5	20.5	20.6	26.6	94.1
04:00	1.34	1.60	.01	.27	18.3	20.5	20.6	26.4	94.5
05:00	1.36	1.64	.17	.46	18.0	20.0	20.2	26.2	94.7
06:00	.72	.90	-.05	.12	18.5	20.1	20.2	26.0	95.3
07:00	.63	.79	-.10	.05	18.6	20.1	20.2	25.8	95.8
08:00	-.34	-.46	-.20	-.32	18.9	20.4	20.7	25.6	88.0
09:00	-.81	-1.04	-.31	-.53	18.8	19.7	20.7	25.4	77.9
10:00	-.90	-1.10	-.25	-.45	19.1	19.6	21.4	25.4	69.0
11:00	-1.23	-1.47	-.30	-.55	18.8	19.3	21.8	25.6	59.4
12:00	-1.21	-1.43	-.21	-.42	18.9	19.3	22.2	26.0	55.7
13:00	-1.42	-1.64	-.32	-.54	18.0	18.0	21.8	26.6	48.9
14:00	-1.75	-1.83	-.29	-.37	17.7	17.8	21.9	27.3	44.9
15:00	-1.46	-1.63	-.32	-.49	16.7	16.9	21.5	27.9	41.5
16:00	-1.22	-1.40	-.30	-.49	15.7	15.7	20.8	28.2	38.4
17:00	-.88	-1.05	-.27	-.44	14.0	13.9	19.8	28.4	35.0
18:00	.29	.26	.17	.14	17.8	16.8	21.3	28.5	48.7
19:00	3.05	3.42	1.85	2.22	19.0	18.1	21.4	28.6	64.0
20:00	2.84	3.25	.89	1.30	19.1	19.7	21.9	28.5	74.5
21:00	2.39	3.02	.36	.98	19.0	20.6	22.1	28.4	80.7
22:00	1.96	2.81	.21	1.05	19.4	20.5	21.6	28.1	86.0
23:00	1.97	2.76	.64	1.43	19.3	20.8	21.5	27.9	89.3
Avg	.44	.59	.10	.25	18.3	19.2	21.2	27.0	73.1
Max	3.05	3.42	1.85	2.22	19.4	21.2	22.2	28.6	95.8
Hr. of Max	19	19	19	19	22	01	12	19	07
Min	-1.75	-1.83	-.32	-.55	14.0	13.9	19.8	25.4	35.0
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)

8/20/2017

Interval: 001h

	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In
Hour	PERCENT	G/M3	G/M3	COUNT	COUNT	KPa	KPa	INCHES	INHG
00:00	96.9	16.4	18.4	0.014347	0.016244	22.2	23.3	.00	29.12
01:00	99.7	16.3	18.5	0.014257	0.016334	22.1	25.2	.00	29.12
02:00	100.2	16.0	17.9	0.013988	0.015721	21.7	24.3	.00	29.12
03:00	100.3	15.8	17.8	0.013797	0.015626	21.4	24.2	.00	29.12
04:00	100.3	15.6	17.8	0.013576	0.015653	21.1	24.2	.00	29.12
05:00	100.3	15.3	17.3	0.013306	0.015175	20.7	23.5	.00	29.14
06:00	100.4	15.8	17.4	0.013755	0.015197	21.4	23.5	.00	29.15
07:00	100.4	15.9	17.4	0.013872	0.015215	21.5	23.6	.00	29.16
08:00	98.1	16.1	17.7	0.014064	0.01553	21.8	24.1	.00	29.18
09:00	85.2	15.9	16.9	0.013999	0.014835	21.8	23.0	.00	29.19
10:00	74.1	16.1	16.6	0.01427	0.014735	22.2	22.9	.00	29.21
11:00	64.3	15.8	16.2	0.014113	0.014473	21.9	22.5	.00	29.21
12:00	60.8	15.8	16.3	0.014138	0.01454	22.0	22.6	.00	29.21
13:00	52.0	14.9	14.9	0.013408	0.013385	20.9	20.8	.00	29.20
14:00	49.0	14.6	14.7	0.013209	0.013254	20.6	20.6	.00	29.19
15:00	44.6	13.8	13.9	0.012445	0.012513	19.4	19.5	.00	29.16
16:00	40.4	12.9	12.9	0.01163	0.011614	18.1	18.1	.00	29.14
17:00	35.7	11.7	11.5	0.010528	0.010395	16.4	16.2	.00	29.15
18:00	45.3	14.7	13.8	0.013294	0.012448	20.7	19.4	.00	29.15
19:00	56.3	16.0	15.1	0.014298	0.013497	22.2	21.0	.00	29.16
20:00	69.4	16.2	16.7	0.014278	0.014895	22.2	23.1	.00	29.18
21:00	79.2	16.2	17.7	0.014205	0.01574	22.1	24.4	.00	29.20
22:00	83.3	16.5	17.7	0.014501	0.015606	22.5	24.2	.00	29.21
23:00	90.4	16.5	18.0	0.014444	0.015855	22.5	24.6	.00	29.21
Avg	76.1	15.5	16.4	0.013655	0.01452	21.2	22.5	.00	29.17
Max	100.4	16.5	18.5	0.014501	0.016334	22.5	25.2	.00	29.21
Hr. of Max	07	23	01	22	01	23	01	23	23
Min	35.7	11.7	11.5	0.010528	0.010395	16.4	16.2	.00	29.12
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)

8/20/2017

Interval: 001h

	37_BarPres_Mb	38_SolarRad_Wm2	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	51_Sigma_035m	52_Sigma_060m	53_SSigma_015m
Hour	KPa	W/M2	DEG	DEG	DEG	DEG	DEG	DEG	DEG
00:00	986.0	-1.3	55.5	55.6	10.6	49.2	25.0	23.9	53.0
01:00	986.0	-1.3	69.6	59.3	8.0	50.6	37.3	28.4	32.4
02:00	986.0	-1.3	323.6	82.9	301.6	67.1	23.1	38.1	40.0
03:00	986.0	-1.3	55.5	48.0	339.8	38.1	15.7	7.3	44.4
04:00	986.2	-1.3	69.9	70.3	29.3	61.8	9.9	7.3	17.5
05:00	986.7	-1.3	62.6	59.6	21.0	51.0	10.8	5.0	32.0
06:00	987.1	-.7	65.3	59.0	41.3	50.2	9.3	6.2	14.7
07:00	987.6	44.1	73.8	50.8	44.9	40.4	9.0	11.2	21.5
08:00	988.2	229.4	85.8	78.2	91.3	69.1	21.6	17.7	38.8
09:00	988.6	482.8	51.5	49.5	65.4	41.2	32.3	20.3	43.6
10:00	989.1	681.4	86.2	70.2	91.0	59.6	43.5	43.8	45.4
11:00	989.2	841.4	74.3	75.8	88.8	68.7	54.9	41.7	65.3
12:00	989.1	934.7	103.5	112.1	92.9	101.3	40.2	39.5	48.3
13:00	988.8	1027.3	149.3	146.7	142.7	140.9	36.6	31.0	34.8
14:00	988.4	996.5	219.1	215.2	209.0	211.7	37.7	38.9	47.1
15:00	987.6	899.1	144.4	139.3	142.5	134.6	47.8	46.3	64.0
16:00	987.0	756.9	48.8	48.8	50.1	38.2	41.5	36.6	48.9
17:00	987.0	440.0	341.4	359.1	305.8	345.6	59.0	56.6	57.4
18:00	987.0	285.3	340.4	352.7	300.7	340.5	18.6	18.3	18.5
19:00	987.5	100.9	339.2	341.8	298.1	330.2	21.5	25.1	60.4
20:00	988.1	2.3	44.2	71.7	308.6	62.5	13.1	10.5	27.3
21:00	988.8	-1.2	65.3	64.8	20.3	56.1	10.2	5.4	22.1
22:00	989.2	-1.2	68.6	60.2	17.6	51.4	13.3	5.7	37.5
23:00	989.3	-1.3	66.3	66.8	296.4	57.9	20.0	12.0	51.8
Avg	987.7	321.2	61.0	64.0	23.0	54.0	27.2	24.0	40.3
Max	989.3	1027.3	341.4	359.1	339.8	345.6	59.0	56.6	65.3
Hr. of Max	23	13	17	17	03	17	17	17	11
Min	986.0	-1.3	44.2	48.0	8.0	38.1	9.0	5.0	14.7
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)

8/20/2017

Interval: 001h

	54_SSigma_060m	56_RWSpd_035m	57_RWSpd_060m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m
Hour	DEG	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	31.9	.8	1.1	1.5	1.1	1.2	1.4	.2	.5
01:00	30.3	1.1	2.3	1.5	2.4	1.4	2.6	1.3	1.5
02:00	40.9	.3	.8	1.2	1.0	1.3	1.3	2.2	-.7
03:00	8.5	1.1	2.1	1.1	2.1	.6	2.3	2.3	.6
04:00	7.3	1.3	2.4	1.4	2.4	1.0	2.6	3.7	.1
05:00	5.8	1.2	2.2	1.2	2.2	.8	2.4	2.0	.9
06:00	6.9	2.1	3.4	2.2	3.4	1.4	3.6	-1.9	-.8
07:00	12.5	1.5	2.0	1.5	2.1	1.2	2.3	.9	-.8
08:00	17.9	1.7	2.2	1.9	2.4	1.8	2.7	.8	3.6
09:00	24.3	2.5	3.0	2.8	3.2	2.7	3.6	5.7	11.7
10:00	42.9	2.1	2.2	2.4	2.6	2.8	3.1	1.9	.4
11:00	44.8	2.1	2.3	2.9	3.0	3.1	3.7	2.4	-3.6
12:00	42.0	2.1	2.2	2.9	3.0	3.3	3.7	-3.3	-2.2
13:00	32.5	2.2	2.3	2.8	3.0	3.6	3.7	.8	-10.1
14:00	36.3	2.3	2.5	2.8	3.1	3.3	3.7	.6	-6.0
15:00	49.1	1.8	2.1	2.7	3.0	3.2	3.7	1.4	3.4
16:00	36.8	1.9	2.4	3.1	3.4	3.1	4.0	1.4	3.1
17:00	56.9	1.3	1.7	2.1	2.3	1.7	2.6	.6	6.2
18:00	18.3	2.4	2.4	2.4	2.6	1.6	2.8	-.7	-1.0
19:00	24.7	2.3	2.7	2.9	3.2	1.0	3.3	2.1	1.0
20:00	12.1	1.7	1.6	1.7	1.7	.9	1.9	1.4	.4
21:00	5.6	2.1	3.1	2.1	3.2	1.3	3.4	.9	.4
22:00	5.8	1.8	3.4	1.9	3.4	1.3	3.6	.9	.7
23:00	13.1	1.0	2.3	1.2	2.4	.8	2.6	.4	.1
Avg	25.3	.0	.0	2.1	2.6	1.9	2.9	1.2	.4
Max	56.9	2.5	3.4	3.1	3.4	3.6	4.0	5.7	11.7
Hr. of Max	17	09	22	16	22	13	16	09	09
Min	5.6	.3	.8	1.1	1.0	.6	1.3	-3.3	-10.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2017

Interval: 001h

	72_VSSpd_015m	73_VSSpd_060m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.00	.03	2.5	3.4	3.4	8.0	8.9	23.5	24.0
01:00	.02	.03	3.7	5.7	3.7	7.0	5.8	23.2	23.4
02:00	.03	-.01	3.2	2.5	3.9	9.1	7.3	22.4	23.1
03:00	.03	.02	3.2	3.9	1.5	7.5	3.6	22.3	22.8
04:00	.05	.01	3.4	4.8	2.5	8.1	3.2	22.3	22.4
05:00	.03	.03	3.0	4.8	1.8	6.0	2.8	21.7	22.0
06:00	-.08	-.06	4.1	6.0	3.1	8.9	4.1	21.8	21.8
07:00	.00	-.03	2.7	5.3	2.4	8.3	5.2	21.8	21.7
08:00	-.06	.15	5.7	5.5	6.9	18.1	15.0	22.7	22.1
09:00	.20	.63	6.4	6.9	7.8	25.8	23.1	24.3	23.4
10:00	.11	.01	7.1	6.6	9.7	27.7	29.3	26.5	25.7
11:00	.16	-.02	9.8	9.2	9.6	29.7	32.4	28.5	27.6
12:00	-.24	-.18	9.4	9.4	8.2	28.7	29.9	29.4	28.6
13:00	.08	-.45	7.8	8.9	10.1	25.0	30.3	30.3	29.5
14:00	.03	-.34	6.9	7.3	7.7	26.0	28.9	31.1	30.2
15:00	.09	.19	8.9	8.5	9.7	26.8	29.5	31.7	30.8
16:00	.03	.30	7.3	9.6	7.9	25.4	27.0	32.1	31.2
17:00	-.01	.21	7.1	8.7	4.8	28.3	20.8	32.2	31.4
18:00	-.06	-.05	4.8	4.4	3.8	16.8	9.9	31.6	31.1
19:00	.01	.04	6.4	6.0	3.1	14.7	7.8	29.4	30.9
20:00	.02	.01	3.4	2.7	2.5	7.8	4.7	27.5	28.6
21:00	.00	.02	4.8	6.2	3.7	8.7	2.9	26.3	27.1
22:00	.02	.04	3.4	6.6	2.4	6.6	3.0	25.3	26.3
23:00	.00	.02	4.6	8.9	2.3	8.0	4.1	24.2	25.6
Avg	.02	.03	5.4	6.3	5.1	16.1	14.1	26.3	26.3
Max	.20	.63	9.8	9.6	10.1	29.7	32.4	32.2	31.4
Hr. of Max	09	09	11	16	13	11	11	17	17
Min	-.24	-.45	2.5	2.5	1.5	6.0	2.8	21.7	21.7
Count	24	24	24	24	24	24	24	24	24
Total									