Date Printed: 07/30/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2017

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	21.5	21.9	22.7	23.1	70.8	71.4	72.8	73.6	.35
01:00	20.9	21.6	22.3	22.7	69.7	70.9	72.1	72.9	.70
02:00	20.3	21.1	22.3	22.8	68.6	70.0	72.1	73.1	.75
03:00	19.9	20.5	20.8	21.3	67.8	68.8	69.4	70.3	.60
04:00	19.4	20.0	20.3	20.8	67.0	68.1	68.5	69.4	.61
05:00	19.0	19.7	20.0	20.9	66.2	67.4	68.0	69.6	.64
06:00	18.5	19.2	19.5	19.8	65.2	66.6	67.0	67.6	.76
07:00	18.8	19.6	20.1	20.9	65.9	67.3	68.1	69.7	.77
08:00	21.2	21.0	21.1	21.4	70.1	69.9	69.9	70.5	-.13
09:00	23.1	22.7	22.4	22.4	73.7	72.8	72.3	72.3	-.49
10:00	23.9	23.4	23.1	23.0	75.0	74.1	73.7	73.4	-.48
11:00	24.9	24.3	24.0	23.8	76.9	75.7	75.1	74.8	-.67
12:00	25.6	25.0	24.7	24.5	78.2	76.9	76.4	76.1	-.69
13:00	26.5	25.5	25.1	25.0	79.7	77.9	77.3	76.9	-1.02
14:00	26.8	26.2	25.8	25.7	80.3	79.1	78.5	78.2	-.69
15:00	27.6	26.8	26.3	26.1	81.8	80.2	79.4	78.9	-.87
16:00	27.5	26.8	26.4	26.2	81.5	80.2	79.5	79.2	-.74
17:00	27.3	26.7	26.4	26.2	81.2	80.2	79.6	79.2	-.60
18:00	26.4	26.1	25.8	25.7	79.4	78.9	78.5	78.3	-.29
19:00	25.0	25.1	25.0	24.9	77.0	77.1	76.9	76.9	.06
20:00	23.2	23.8	23.9	24.0	73.8	74.8	75.0	75.2	.57
21:00	21.4	22.7	23.0	23.2	70.5	72.8	73.5	73.8	1.26
22:00	20.1	21.8	22.5	22.8	68.2	71.2	72.5	73.1	1.70
23:00	20.7	21.7	21.9	22.1	69.2	71.1	71.4	71.7	1.04
Avg	22.9	23.1	23.1	23.3	73.2	73.5	73.6	73.9	.13
Max	27.6	26.8	26.4	26.2	81.8	80.2	79.6	79.2	1.70
Hr. of Max	15	16	17	17	15	17	17	17	22
Min	18.5	19.2	19.5	19.8	65.2	66.6	67.0	67.6	-1.02
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2017

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	1.11	1.56	.76	1.22	20.7	21.5	21.6	26.2	97.4
01:00	1.33	1.78	.64	1.08	20.1	21.2	21.3	26.0	97.6
02:00	1.93	2.46	1.19	1.72	19.6	20.7	20.8	25.9	97.7
03:00	.93	1.42	.33	.82	19.1	20.1	20.2	25.7	97.8
04:00	.86	1.38	.25	.77	18.7	19.7	19.8	25.5	97.9
05:00	.95	1.84	.31	1.19	18.3	19.4	19.5	25.4	97.9
06:00	.99	1.31	.24	.55	17.8	19.1	19.1	25.2	98.0
07:00	1.25	2.11	.48	1.34	18.2	<	<	25.0	98.2
08:00	-.12	.20	.02	.34	19.7	19.3	19.9	24.8	94.0
09:00	-.74	-.76	-.25	-.27	17.8	17.2	19.0	24.7	73.5
10:00	-.75	-.89	-.27	-.41	17.6	17.2	19.3	24.6	69.6
11:00	-.99	-1.17	-.32	-.50	17.7	17.4	19.7	24.8	65.7
12:00	-.97	-1.14	-.28	-.45	17.0	16.7	19.5	25.1	60.5
13:00	-1.38	-1.56	-.36	-.54	16.4	16.1	19.2	25.4	55.4
14:00	-1.01	-1.18	-.32	-.48	16.5	16.2	19.5	25.9	54.6
15:00	-1.33	-1.57	-.46	-.70	15.9	15.4	19.2	26.2	50.1
16:00	-1.12	-1.33	-.39	-.59	15.3	14.8	18.8	26.3	48.4
17:00	-.92	-1.10	-.32	-.50	15.0	14.6	18.7	26.5	48.0
18:00	-.53	-.62	-.24	-.34	14.6	14.6	18.4	26.6	49.7
19:00	-.05	-.07	-.11	-.13	15.1	14.9	18.3	26.6	55.6
20:00	.68	.80	.11	.23	15.9	15.3	18.2	26.5	64.7
21:00	1.65	1.86	.38	.59	16.2	15.7	18.0	26.3	74.1
22:00	2.42	2.74	.72	1.04	16.9	16.0	18.0	26.1	83.3
23:00	1.23	1.39	.19	.36	16.9	16.4	18.1	25.9	80.9
Avg	.23	.39	.10	.26	17.4	17.4	19.3	25.7	75.4
Max	2.42	2.74	1.19	1.72	20.7	21.5	21.6	26.6	98.2
Hr. of Max	22	22	02	02	00	00	00	19	07
Min	-1.38	-1.57	-.46	-.70	14.6	14.6	18.0	24.6	48.0
Count	24	24	24	24	24	23	23	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2017

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	100.2	18.0	18.9	0.015967	0.016784	24.5	25.7	.00	28.88
01:00	100.2	17.4	18.6	0.015398	0.016496	23.6	25.3	.00	28.88
02:00	100.2	16.9	18.0	0.01488	0.015979	22.9	24.5	.00	28.88
03:00	100.2	16.4	17.4	0.014461	0.015367	22.2	23.6	.00	28.88
04:00	100.2	16.0	17.0	0.014076	0.014966	21.7	23.0	.00	28.89
05:00	100.7	15.7	16.7	0.013732	0.014694	21.1	22.6	.00	28.90
06:00	101.2	15.2	16.4	0.01326	0.01436	20.4	22.1	.00	28.91
07:00	<	15.5	<	0.013591	<	20.9	<	.00	28.93
08:00	92.4	17.0	16.6	0.015017	0.014614	23.1	22.5	.00	28.94
09:00	73.1	15.0	14.5	0.013258	0.0128	20.5	19.8	.00	28.95
10:00	69.6	14.8	14.4	0.013121	0.012749	20.3	19.7	.00	28.96
11:00	67.2	14.8	14.6	0.013189	0.012957	20.4	20.0	.00	28.96
12:00	61.7	14.2	13.9	0.012675	0.012388	19.6	19.2	.00	28.97
13:00	57.4	13.7	13.4	0.012224	0.011915	18.9	18.4	.00	28.97
14:00	55.8	13.7	13.5	0.012266	0.012038	19.0	18.6	.00	28.97
15:00	51.0	13.2	12.8	0.011802	0.011425	18.3	17.7	.00	28.97
16:00	49.0	12.6	12.3	0.011318	0.010965	17.5	17.0	.00	28.97
17:00	48.6	12.4	12.2	0.011116	0.010859	17.2	16.8	.00	28.97
18:00	50.3	12.2	12.1	0.01084	0.010797	16.8	16.7	.00	28.97
19:00	54.4	12.6	12.4	0.011181	0.010999	17.3	17.1	.00	28.99
20:00	60.5	13.2	12.8	0.011688	0.011319	18.1	17.6	.00	29.01
21:00	66.1	13.6	13.1	0.01195	0.011529	18.5	17.9	.00	29.03
22:00	71.3	14.2	13.5	0.012433	0.011803	19.3	18.3	.00	29.04
23:00	73.2	14.3	13.7	0.012491	0.012046	19.4	18.7	.00	29.05
Avg	74.1	14.7	14.7	0.012997	0.013037	20.1	20.1	.00	28.95
Max	101.2	18.0	18.9	0.015967	0.016784	24.5	25.7	.00	29.05
Hr. of Max	06	00	00	00	00	00	00	23	23
Min	48.6	12.2	12.1	0.01084	0.010797	16.8	16.7	.00	28.88
Count	23	24	23	24	23	24	23	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2017

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	977.9	-1.3	295.2	10.3	260.3	.1	45.5	40.8	42.5
01:00	978.0	-1.4	319.2	359.9	312.1	345.9	24.0	21.2	18.3
02:00	978.1	-1.3	357.9	359.5	311.9	348.2	46.0	21.2	40.5
03:00	978.0	-1.3	18.9	258.8	281.3	231.5	43.9	58.1	67.7
04:00	978.3	-1.3	343.9	99.7	332.4	88.9	35.9	36.2	49.4
05:00	978.7	-1.3	47.9	44.4	256.0	34.3	57.3	32.2	56.8
06:00	979.1	1.8	209.6	117.9	280.6	111.9	40.1	24.9	45.7
07:00	979.6	75.9	13.1	41.5	301.9	31.4	39.2	43.9	43.4
08:00	980.0	356.0	270.6	295.2	255.7	290.8	18.7	27.6	29.1
09:00	980.3	550.0	288.8	292.1	272.2	284.4	45.0	44.8	43.0
10:00	980.7	551.5	12.9	10.7	20.4	1.2	54.9	42.3	69.4
11:00	980.9	719.7	36.9	30.1	36.0	20.4	28.5	27.4	43.1
12:00	981.0	656.7	26.3	23.8	10.5	13.8	25.1	21.1	43.2
13:00	981.0	807.2	18.6	15.6	4.2	5.8	23.6	21.9	40.9
14:00	981.0	754.7	28.4	27.9	22.0	17.9	25.3	21.2	45.8
15:00	980.9	961.9	44.2	40.6	47.1	30.3	24.2	17.7	42.7
16:00	981.1	749.6	33.3	30.8	27.0 +	19.9	26.9	19.7	45.4 +
17:00	981.0	494.4	32.4	30.2	27.4	19.6	23.2	17.7	41.6
18:00	981.2	323.4	40.3	38.2	39.3	27.6	17.9	13.0	38.3
19:00	981.7	167.7	33.9	28.7	30.3	17.8	17.6	14.3	32.8
20:00	982.4	13.3	29.8	28.2	25.6	17.1	15.1	11.1	35.5
21:00	983.0	-1.1	22.4	21.7	11.3	9.9	10.4	8.4	31.5
22:00	983.6	-1.3	18.2	18.4	360.0	6.5	7.3	6.0	27.0
23:00	983.8	-1.2	28.6	28.7	22.3	17.4	11.5	10.3	32.0
Avg	980.5	298.8	12.0	22.0	347.0	11.0	29.5	25.1	41.9
Max	983.8	961.9	357.9	359.9	360.0	348.2	57.3	58.1	69.4
Hr. of Max	23	15	02	01	22	02	05	03	10
Min	977.9	-1.4	12.9	10.3	4.2	.1	7.3	6.0	18.3
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)

7/29/2017

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	42.4	.7	1.9	1.2	2.1	1.4	2.4	1.0	.7
01:00	24.5	1.4	2.4	1.5	2.5	1.7	2.8	.0	.2
02:00	20.5	1.9	4.2	2.4	4.5	1.5	4.7	.1	1.0
03:00	51.8	.3	.0	.6	.8	1.1	1.1	.7	-.4
04:00	39.2	.2	.4	.9	1.3	1.2	1.5	1.7	.2
05:00	34.4	.7	2.8	1.1	3.2	1.1	3.4	3.1	3.2
06:00	29.3	.2	.8	.5	1.0	1.1	1.4	-.2	3.4
07:00	45.5	2.2	3.7	2.7	4.3	1.4	4.6	1.9	1.4
08:00	27.9	2.4	2.5	2.5	2.7	1.9	2.9	3.9	-4.6
09:00	42.3	1.7	1.7	2.1	2.1	2.2	2.5	.8	-2.9
10:00	41.1	1.9	2.4	2.5	2.9	2.5	3.4	2.3	1.0
11:00	26.9	4.6	5.3	5.3	6.0	4.2	6.5	-4.2	-3.9
12:00	20.3	6.0	7.3	6.6	7.8	4.6	8.4	.5	.9
13:00	19.1	6.3	7.1	6.9	7.8	4.9	8.4	-3.6	-2.1
14:00	20.2	7.3	8.9	8.0	9.6	5.5	10.1	-2.9	-1.3
15:00	17.5	9.9	12.6	10.4	13.0	7.1	13.8	.7	.9
16:00	18.7	9.3	11.7	10.0	12.3	6.7	13.0	-.6	.6
17:00	16.7	8.9	11.4	9.6	12.0	6.4	12.7	-2.3	.5
18:00	13.2	10.6	13.2	11.1	13.5	7.2	14.2	-1.8	-1.4
19:00	13.4	7.7	9.8	8.0	10.1	5.6	10.8	-5.0	-.2
20:00	10.9	7.5	10.0	7.7	10.2	4.0	10.7	-1.5	-.9
21:00	7.9	7.2	9.6	7.3	9.8	3.1	10.1	-1.4	-.1
22:00	5.6	7.1	9.4	7.2	9.5	2.5	9.8	-1.4	.1
23:00	10.3	6.5	8.9	6.6	9.1	3.1	9.5	-2.5	.4
Avg	25.0	.0	.0	5.1	6.6	3.4	7.0	-.4	-.1
Max	51.8	10.6	13.2	11.1	13.5	7.2	14.2	3.9	3.4
Hr. of Max	03	18	18	18	18	18	18	08	06
Min	5.6	.2	.0	.5	.8	1.1	1.1	-5.0	-4.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2017

Interval: 001h

	72_VSSpd_015m	73_VSSpd_060m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.01	.03	5.0	8.2	2.7	11.0	16.7	23.5	24.4
01:00	-.03	.00	4.8	7.1	3.4	7.7	12.2	23.1	24.0
02:00	-.01	.06	6.9	9.6	4.8	11.5	7.8	22.5	23.9
03:00	-.01	.01	3.2	5.3	3.4	9.8	13.4	21.9	22.6
04:00	.04	.04	4.8	6.2	3.0	8.5	15.4	21.4	22.1
05:00	.04	.16	4.8	8.0	2.6	11.2	9.9	21.0	22.0
06:00	.00	.07	1.8	3.2	2.7	9.8	17.0	20.5	20.9
07:00	.01	.09	6.0	8.2	3.6	11.9	11.0	20.8	21.8
08:00	.04	-.21	5.5	5.7	5.3	21.1	17.7	22.5	22.3
09:00	-.03	-.18	5.0	5.5	6.3	24.8	30.6	23.9	23.3
10:00	.01	-.06	7.8	8.9	7.8	26.9	29.0	24.6	24.0
11:00	-.50	-.58	11.2	17.4	11.3	21.9	15.3	25.5	24.6
12:00	-.28	.02	13.5	14.4	14.1	25.4	14.7	26.0	25.2
13:00	-.57	-.40	14.2	15.3	13.5	23.5	14.4	26.5	25.6
14:00	-.61	-.37	18.1	20.6	17.4	24.0	13.3	27.1	26.2
15:00	-.40	-.22	23.1	24.7	19.6	23.8	13.8	27.6	26.5
16:00	-.62	-.22	24.7	25.6	22.1	23.7	13.1	27.6	26.5
17:00	-.62	-.11	19.7	20.8	21.5	23.6	13.2	27.6	26.6
18:00	-.68	-.55	25.0	26.3	20.3	22.9	10.5	26.9	26.1
19:00	-.79	-.21	23.6	24.7	19.3	20.8	10.7	25.9	25.4
20:00	-.35	-.29	22.4	26.1	12.8	22.6	8.6	24.7	24.6
21:00	-.26	-.08	15.8	22.7	10.8	21.3	6.5	23.5	23.8
22:00	-.16	-.01	14.2	20.2	6.8	18.4	4.6	22.7	23.5
23:00	-.30	-.04	13.1	16.5	10.3	19.7	8.1	22.7	22.8
Avg	-.25	-.13	12.3	14.6	10.2	18.6	13.6	24.2	24.1
Max	.04	.16	25.0	26.3	22.1	26.9	30.6	27.6	26.6
Hr. of Max	08	05	18	18	16	10	09	17	17
Min	-.79	-.58	1.8	3.2	2.6	7.7	4.6	20.5	20.9
Count	24	24	24	24	24	24	24	24	24
Total									