Date Printed: 07/25/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2017

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	21.4	21.8	21.8	22.1	70.5	71.3	71.2	71.8	.43
01:00	20.8	20.9	21.0	21.3	69.5	69.6	69.7	70.4	.03
02:00	20.8	21.0	21.0	21.1	69.5	69.8	69.8	70.0	.19
03:00	20.5	20.5	20.7	20.9	68.9	68.9	69.3	69.7	-.02
04:00	20.6	20.6	20.6	20.8	69.1	69.2	69.1	69.4	.06
05:00	20.5	20.8	20.8	20.9	69.0	69.4	69.4	69.6	.22
06:00	20.2	20.4	20.5	20.7	68.3	68.6	68.9	69.2	.20
07:00	20.5	20.5	20.4	20.7	68.9	68.8	68.8	69.3	-.01
08:00	21.9	21.7	21.5	21.4	71.3	71.0	70.6	70.5	-.20
09:00	23.6	23.2	22.9	22.8	74.4	73.7	73.3	73.1	-.37
10:00	25.3	24.6	24.3	24.2	77.6	76.2	75.8	75.6	-.77
11:00	27.1	26.2	26.0	25.7	80.8	79.2	78.8	78.3	-.91
12:00	28.8	27.7	27.4	27.2	83.8	81.9	81.3	80.9	-1.06
13:00	29.5	28.4	28.1	28.0	85.1	83.1	82.6	82.3	-1.11
14:00	30.5	29.3	28.9	28.8	86.9	84.7	84.1	83.9	-1.23
15:00	30.9	29.9	29.6	29.5	87.7	85.8	85.2	85.1	-1.05
16:00	31.4	30.3	30.0	29.9	88.5	86.6	86.0	85.8	-1.07
17:00	31.4	30.7	30.4	30.3	88.6	87.2	86.6	86.5	-.76
18:00	30.8	30.7	30.5	30.4	87.5	87.3	86.8	86.8	-.14
19:00	28.4	29.5	29.9	30.1	83.1	85.0	85.9	86.2	1.08
20:00	25.7	26.9	28.0	28.8	78.3	80.3	82.5	83.8	1.11
21:00	23.8	25.5	26.3	26.8	74.9	77.8	79.4	80.2	1.64
22:00	23.0	24.5	25.0	25.9	73.4	76.0	77.0	78.6	1.48
23:00	22.5	23.5	24.1	24.7	72.5	74.3	75.4	76.5	1.02
Avg	25.0	25.0	25.0	25.1	77.0	76.9	77.0	77.2	-.05
Max	31.4	30.7	30.5	30.4	88.6	87.3	86.8	86.8	1.64
Hr. of Max	17	18	18	18	17	18	18	18	21
Min	20.2	20.4	20.4	20.7	68.3	68.6	68.8	69.2	-1.23
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)

7/24/2017

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	.40	.71	-.03	.28	20.3	21.4	21.5	25.2	96.2
01:00	.13	.50	.10	.48	20.0	20.5	20.6	24.8	97.6
02:00	.18	.30	-.01	.11	20.1	20.7	20.8	24.7	97.7
03:00	.18	.41	.21	.44	19.8	20.2	20.3	24.6	97.9
04:00	.04	.17	-.02	.11	19.8	20.3	20.4	24.6	97.8
05:00	.23	.35	.01	.13	19.7	20.4	20.6	24.5	97.5
06:00	.33	.51	.13	.31	19.4	20.1	20.2	24.5	98.0
07:00	-.03	.25	-.02	.27	19.8	20.1 +	20.2 +	24.4	98.3
08:00	-.40	-.45	-.20	-.25	20.3	21.3 +	21.4 +	24.4	93.4
09:00	-.63	-.74	-.26	-.36	20.0	20.2	21.2	24.4	82.4
10:00	-1.00	-1.13	-.24	-.37	20.2	20.0	21.5	24.5	75.4
11:00	-1.16	-1.40	-.25	-.49	20.2	19.7	21.9	24.8	67.7
12:00	-1.37	-1.60	-.32	-.55	20.0	19.8	22.4	25.3	60.8
13:00	-1.39	-1.55	-.29	-.44	19.8	19.5	22.5	26.0	57.8
14:00	-1.55	-1.66	-.32	-.43	19.6	19.3	22.6	26.6	54.0
15:00	-1.36	-1.44	-.31	-.39	19.0	18.8	22.5	27.1	50.6
16:00	-1.40	-1.52	-.33	-.46	19.1	18.6	22.5	27.4	49.7
17:00	-1.06	-1.14	-.30	-.38	18.8	18.4	22.5	27.7	48.8
18:00	-.38	-.40	-.25	-.26	19.7	18.6	22.6	27.9	53.3
19:00	1.55	1.73	.47	.65	21.2	20.2	23.3	28.1	67.2
20:00	2.30	3.03	1.19	1.92	21.5	20.9	22.9	28.1	79.9
21:00	2.50	2.98	.86	1.33	20.9	21.2	22.6	28.1	85.8
22:00	2.05	2.92	.57	1.44	20.8	21.8	22.7	27.9	90.0
23:00	1.61	2.20	.60	1.18	20.9	22.0	22.5	27.7	93.3
Avg	-.01	.13	.04	.18	20.0	20.2	21.8	26.0	78.8
Max	2.50	3.03	1.19	1.92	21.5	22.0	23.3	28.1	98.3
Hr. of Max	21	20	20	20	20	23	19	21	07
Min	-1.55	-1.66	-.33	-.55	18.8	18.4	20.2	24.4	48.8
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)

7/24/2017

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	100.0	17.6	18.7	0.015544	0.016592	24.0	25.5	.69	29.01
01:00	100.4	17.3	17.9	0.015253	0.015725	23.5	24.2	.00	29.01
02:00	100.5	17.4	18.0	0.015268	0.01589	23.5	24.5	.00	29.02
03:00	100.6	17.1	17.5	0.015001	0.015394	23.1	23.7	.00	29.01
04:00	100.6	17.1	17.7	0.015056	0.015544	23.2	23.9	.00	29.00
05:00	100.6	17.0	17.8	0.01496	0.015643	23.1	24.1	.00	29.01
06:00	100.6	16.7	17.4	0.014675	0.015262	22.6	23.5	.00	29.01
07:00	100.7 +	17.1	17.5 +	0.015016	0.015339 +	23.2	23.7 +	.00	29.03
08:00	100.5 +	17.6	18.7 +	0.015522	0.016513 +	23.9	25.4 +	.00	29.04
09:00	85.9	17.1	17.4	0.015171	0.015447	23.4	23.8	.00	29.06
10:00	77.8	17.3	17.1	0.015434	0.015213	23.8	23.5	.00	29.07
11:00	69.4	17.2	16.8	0.015439	0.014979	23.8	23.1	.00	29.07
12:00	63.8	16.9	16.7	0.015253	0.015052	23.6	23.3	.00	29.07
13:00	60.3	16.7	16.4	0.015127	0.014792	23.4	22.9	.00	29.06
14:00	56.5	16.5	16.1	0.014942	0.014569	23.1	22.5	.00	29.06
15:00	52.9	15.9	15.7	0.014395	0.014156	22.2	21.9	.00	29.05
16:00	51.0	15.9	15.4	0.014499	0.013988	22.4	21.6	.00	29.03
17:00	49.6	15.7	15.3	0.014256	0.013863	22.0	21.4	.00	29.03
18:00	50.0	16.6	15.5	0.015041	0.014033	23.2	21.7	.00	29.04
19:00	59.3	18.2	17.1	0.016474	0.015441	25.4	23.8	.00	29.05
20:00	72.2	18.7	18.0	0.016748	0.016173	25.8	24.9	.00	29.05
21:00	79.4	18.1	18.3	0.016055	0.016377	24.8	25.2	.00	29.06
22:00	87.5	18.0	19.1	0.015974	0.016982	24.7	26.2	.00	29.08
23:00	93.5	18.2	19.3	0.016092	0.017165	24.8	26.5	.00	29.09
Avg	79.7	17.2	17.3	0.0153	0.015422	23.6	23.8	.03	29.04
Max	100.7	18.7	19.3	0.016748	0.017165	25.8	26.5	.69	29.09
Hr. of Max	07	20	23	20	23	20	23	00	23
Min	49.6	15.7	15.3	0.014256	0.013863	22.0	21.4	.00	29.00
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)

7/24/2017

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	982.4	-1.3	67.7	72.7	43.8	62.6	38.2	27.9	52.0
01:00	982.5	-1.3	315.8	359.7	287.0	348.3	54.5	23.5	75.4
02:00	982.6	-1.3	63.2	67.3	46.6	58.9	22.5	21.1	32.3
03:00	982.6	-1.3	269.6	237.5	239.5	236.8	50.3	61.0	27.3
04:00	982.1	-1.3	332.4	323.3	340.5	314.5	25.9	18.9	40.1
05:00	982.3	-1.3	65.4	71.1	32.0	63.9	42.5	30.4	47.2
06:00	982.6	1.4	248.6	208.4	267.9	204.9	26.5	39.4	26.7
07:00	983.0	79.2	354.9	52.7	305.1	40.6	50.5	33.2	71.2
08:00	983.5	250.2	48.6	106.3	72.1	95.7	61.7	49.4	73.8
09:00	984.1	478.0	265.2	277.8	240.5	271.9	30.3	35.4	48.5
10:00	984.4	688.7	254.6	255.7	245.1	251.0	41.6	39.2	52.5
11:00	984.4	872.0	208.4	212.4	192.9	206.6	30.2	28.5	39.0
12:00	984.4	971.6	244.7	242.4	230.5	236.6	40.1	31.3	48.3
13:00	984.2	949.0	226.2	230.5	213.7	225.0	49.5	38.8	58.3
14:00	984.0	997.7	247.2	249.8	240.7 +	243.9	53.8	54.3	54.8 +
15:00	983.7	948.8	246.8	246.4	235.7	244.5	47.4	52.6	51.3
16:00	983.1	673.5	290.4	284.2	273.4	276.2	40.5	37.4	39.6
17:00	983.1	463.5	289.7	282.7	280.0	275.4	29.4	33.0	33.9
18:00	983.4	350.3	281.8	274.4	274.6	268.8	38.6	31.1	40.2
19:00	983.7	189.4	233.7	218.1	274.5	214.3	8.5	10.8	11.6
20:00	983.6	18.1	232.6	217.4	302.2	214.3	34.1	43.9	37.6
21:00	984.2	-1.1	43.8	56.2	291.5	45.9	12.8	21.4	37.3
22:00	984.9	-1.3	43.6	95.9	308.8	85.8	36.9	37.8	58.7
23:00	985.2	-1.3	330.4	148.0	289.0	82.4	22.4	31.7	43.1
Avg	983.5	330.0	288.0	244.0	277.0	252.0	37.0	34.7	45.9
Max	985.2	997.7	354.9	359.7	340.5	348.3	61.7	61.0	75.4
Hr. of Max	23	14	07	01	04	01	08	03	01
Min	982.1	-1.3	43.6	52.7	32.0	40.6	8.5	10.8	11.6
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)

7/24/2017

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	28.3	4.7	6.3	6.1	7.6	4.5	8.1	.5	1.9
01:00	22.9	.9	1.4	1.8	2.4	1.4	2.5	2.2	2.7
02:00	21.9	3.1	4.3	3.5	4.6	2.4	4.9	-2.6	1.3
03:00	62.4	1.8	1.8	2.1	2.5	2.2	2.7	.8	-.1
04:00	18.4	2.3	3.5	2.5	3.9	1.8	4.0	-.7	.2
05:00	31.7	1.3	1.4	1.7	2.2	1.7	2.5	-.9	.4
06:00	38.8	2.3	2.4	2.8	2.6	2.4	2.9	-2.4	-1.4
07:00	35.9	1.1	1.1	1.9	2.0	1.5	2.3	-2.3	-.5
08:00	56.6	.3	.6	1.0	1.2	1.4	1.5	1.6	11.8
09:00	35.3	1.1	1.1	1.5	1.7	1.9	2.1	2.3	-2.9
10:00	38.4	1.7	1.9	2.6	2.7	2.8	3.2	-4.2	-9.6
11:00	28.3	3.0	3.2	3.6	3.8	3.6	4.2	-.2	-5.9
12:00	31.9	3.0	3.6	3.9	4.3	4.0	4.9	3.9	1.6
13:00	39.8	3.0	3.7	3.7	4.3	3.7	4.9	1.9	-.6
14:00	51.4	2.5	2.7	3.6	3.8	3.6	4.5	-1.4	-1.4
15:00	51.9	1.4	1.5	2.4	2.4	2.9	3.0	-1.4	-6.7
16:00	35.1	2.2	2.4	3.4	3.6	3.5	4.0	.3	-4.1
17:00	32.5	2.2	2.1	2.6	2.6	2.8	3.1	-4.6	-6.9
18:00	30.7	1.5	1.7	1.8	1.9	1.8	2.2	2.0	-3.6
19:00	11.8	1.7	2.4	1.7	2.4	1.4	2.6	1.7	-4.7
20:00	45.7	.5	1.3	1.1	1.5	1.0	1.7	.1	1.2
21:00	22.7	1.2	1.1	1.3	1.3	1.0	1.5	.8	.6
22:00	43.4	.5	.4	.5	.5	1.1	.9	1.0	-.5
23:00	49.0	.1	.1	.4	.1	1.1	.5	.8	.3
Avg	36.0	.0	.0	2.4	2.7	2.3	3.1	.0	-1.1
Max	62.4	4.7	6.3	6.1	7.6	4.5	8.1	3.9	11.8
Hr. of Max	03	00	00	00	00	00	00	12	08
Min	11.8	.1	.1	.4	.1	1.0	.5	-4.6	-9.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2017

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	-.07	.31	31.4	35.7	25.3	18.6	13.4	23.5	23.4
01:00	.03	.15	5.3	6.0	4.7	16.1	12.3	22.4	22.5
02:00	-.14	.12	8.7	10.1	6.5	16.0	10.0	22.6	22.3
03:00	.00	.02	4.1	5.5	4.3	9.1	9.9	22.0	22.1
04:00	-.11	-.05	8.5	9.8	7.3	18.2	11.9	22.2	22.0
05:00	-.10	-.03	9.8	15.1	6.7	14.6	13.7	22.3	22.1
06:00	-.13	-.05	5.5	5.5	5.0	9.6	8.9	21.8	21.9
07:00	-.07	.04	6.0	5.0	4.7	17.5	11.1	22.0	21.9
08:00	.10	.48	3.4	3.7	3.9	25.1	24.2	23.2	22.8
09:00	.05	-.15	4.1	4.6	5.0	28.5	27.8	24.7	24.0
10:00	-.22	-.56	7.3	7.8	7.1	24.6	25.8	26.0	25.3
11:00	-.04	-.48	9.2	8.9	10.9	24.6	22.2	27.5	26.7
12:00	.12	-.03	10.5	12.8	10.1	24.7	23.7	28.9	28.0
13:00	.03	-.30	10.5	10.3	12.6	25.4	25.0	29.6	28.7
14:00	-.18	-.20	11.0	11.2	9.3	24.3	26.4	30.4	29.6
15:00	-.14	-.44	7.6	8.0	8.8	28.7	31.1	31.0	30.2
16:00	-.10	-.27	7.8	7.3	8.3	22.6	20.4	31.4	30.5
17:00	-.26	-.40	6.6	9.8	6.5	22.1	23.3	31.7	31.0
18:00	.01	-.16	6.6	5.7	6.5	21.1	20.8	31.9	31.2
19:00	.01	-.19	3.7	4.1	2.8	10.1	9.0	30.8	31.0
20:00	.00	.01	4.4	6.4	2.2	7.0	4.9	28.4	30.0
21:00	.01	.02	2.7	2.3	2.2	8.8	5.9	26.9	28.1
22:00	.01	-.01	2.1	1.8	2.5	6.1	12.4	26.0	27.3
23:00	.02	.00	1.6	2.1	2.5	5.7	10.0	25.1	26.1
Avg	-.05	-.09	7.4	8.3	6.9	17.9	16.8	26.3	26.2
Max	.12	.48	31.4	35.7	25.3	28.7	31.1	31.9	31.2
Hr. of Max	12	08	00	00	00	15	15	18	18
Min	-.26	-.56	1.6	1.8	2.2	5.7	4.9	21.8	21.9
Count	24	24	24	24	24	24	24	24	24
Total									