Date Printed: 07/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/27/2016

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	25.4	25.4	25.7	26.0	-.03	.30	.66	.33	.69
01:00	24.6	25.1	25.2	25.3	.48	.62	.76	.14	.28
02:00	24.2	24.3	24.4	24.6	.10	.19	.40	.10	.31
03:00	23.6	23.7	23.9	24.3	.05	.34	.70	.30	.65
04:00	23.1	23.5	23.7	24.1	.33	.57	.93	.24	.60
05:00	22.6	23.1	23.5	23.8	.46	.85	1.14	.40	.69
06:00	22.3	22.8	23.3	23.7	.55	1.03	1.46	.48	.91
07:00	22.7	23.0	23.3	23.5	.34	.60	.76	.26	.42
08:00	24.9	24.5	24.2	24.1	-.42	-.68	-.81	-.27	-.40
09:00	26.9	26.1	25.8	25.7	-.75	-1.09	-1.20	-.34	-.44
10:00	28.6	27.5	27.2	27.0	-1.04	-1.43	-1.58	-.39	-.53
11:00	29.8	28.7	28.3	28.2	-1.14	-1.50	-1.61	-.36	-.47
12:00	31.5	29.9	29.6	29.5	-1.50	-1.83	-1.98	-.33	-.48
13:00	33.1	31.5	31.1	31.0	-1.65	-1.98	-2.06	-.33	-.42
14:00	34.1	32.4	32.1	31.9	-1.68	-2.03	-2.14	-.34	-.46
15:00	34.4	32.8	32.5	32.3	-1.61	-1.90	-2.04	-.29	-.43
16:00	34.2	33.0	32.7	32.6	-1.23	-1.53	-1.60	-.29	-.37
17:00	31.4	30.8	30.6	30.7	-.65	-.79	-.77	-.15	-.13
18:00	32.1	31.3	30.9	30.8	-.88	-1.19	-1.34	-.31	-.46
19:00	30.8	30.6	30.5	30.5	-.23	-.37	-.39	-.14	-.16
20:00	29.3	29.7	29.6	29.7	.39	.37	.39	-.02	.00
21:00	28.0	28.6	28.8	29.0	.58	.75	.92	.17	.35
22:00	27.1	28.1	28.2	28.3	1.02	1.08	1.23	.06	.21
23:00	27.2	27.6	27.8	28.1	.35	.56	.88	.21	.52
Avg	28.0	27.7	27.6	27.7	-.34	-.38	-.30	-.04	.04
Max	34.4	33.0	32.7	32.6	1.02	1.08	1.46	.48	.91
Hr. of Max	15	16	16	16	22	22	06	06	06
Min	22.3	22.8	23.3	23.5	-1.68	-2.03	-2.14	-.39	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/27/2016

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	22.0	22.0	23.1	29.6	84.0	84.0	19.3	19.3	0.017221
01:00	21.9	22.0	22.8	29.3	87.3	85.8	19.1	19.3	0.017064
02:00	21.8	22.0	22.6	29.1	88.7	89.1	19.1	19.3	0.017006
03:00	21.6	22.0	22.3	28.9	91.2	92.8	19.0	19.3	0.016831
04:00	21.4	22.0	22.0	28.7	92.6	94.1	18.7	19.4	0.016618
05:00	21.1	21.8	21.6	28.5	93.5	95.3	18.4	19.2	0.016244
06:00	20.8	21.6	21.3	28.3	93.9	95.7	18.1	19.0	0.015951
07:00	21.2	21.5	21.7	28.1	93.5	93.6	18.4	18.8	0.016293
08:00	21.7	21.4	22.8	27.9	84.7	85.0	18.9	18.6	0.016875
09:00	22.1	21.7	23.7	27.8	77.2	78.7	19.3	18.8	0.017285
10:00	21.9	21.4	24.1	27.7	69.2	71.4	19.0	18.5	0.017106
11:00	21.7	21.2	24.4	27.9	63.8	66.1	18.7	18.2	0.016938
12:00	21.6	21.3	24.9	28.4	58.0	61.6	18.6	18.2	0.016898
13:00	21.2	20.9	25.2	29.0	51.6	55.2	18.1	17.7	0.016542
14:00	20.6	20.4	25.1	29.8	47.0	50.8	17.4	17.2	0.015945
15:00	19.9	19.6	24.7	30.3	44.4	47.5	16.6	16.4	0.015293
16:00	19.9	19.6	24.6	30.6	44.6	46.9	16.6	16.3	0.015224
17:00	21.1	20.8	24.5	30.8	56.1	57.3	18.0	17.7	0.016386
18:00	21.6	21.4	25.1	30.9	55.6	57.8	18.5	18.3	0.016928
19:00	21.4	21.1	24.5	30.9	58.9	58.8	18.3	18.0	0.016664
20:00	21.7	21.1	24.2	30.9	65.8	62.0	18.7	18.0	0.016963
21:00	21.9	21.4	23.9	30.7	71.5	67.0	19.0	18.4	0.017179
22:00	22.0	21.5	23.7	30.5	75.9	69.3	19.1	18.5	0.017232
23:00	21.4	21.1	23.3	30.3	72.6	69.8	18.5	18.1	0.01661
Avg	21.4	21.3	23.6	29.4	71.7	72.3	18.5	18.4	0.016637
Max	22.1	22.0	25.2	30.9	93.9	95.7	19.3	19.4	0.017285
Hr. of Max	09	04	13	20	06	06	09	04	09
Min	19.9	19.6	21.3	27.7	44.4	46.9	16.6	16.3	0.015224
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)

7/27/2016

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	0.017195	26.6	26.5	.00	29.12	986.1	-1.9	.00	236.8
01:00	0.017266	26.3	26.6	.00	29.10	985.3	-2.2	.00	294.7
02:00	0.017186	26.2	26.5	.00	29.09	985.1	-2.8	.00	242.5
03:00	0.017159	26.0	26.4	.00	29.09	985.1	-1.8	.00	247.6
04:00	0.017214	25.6	26.5	.00	29.09	985.2	-2.3	.00	258.7
05:00	0.017014	25.1	26.2	.00	29.10	985.5	-2.3	.00	286.6
06:00	0.016815	24.7	26.0	.00	29.12	986.2	1.0	.00	267.1
07:00	0.016642	25.2	25.7	.00	29.14	986.8	53.1	.08	244.1
08:00	0.01652	26.1	25.5	.00	29.14	986.8	285.4	.41	226.4
09:00	0.016849	26.7	26.0	.00	29.14	986.8	499.2	.72	219.4
10:00	0.016619	26.4	25.7	.00	29.13	986.5	713.7	1.02	214.9
11:00	0.016419	26.2	25.4	.00	29.13	986.5	810.7	1.16	212.2
12:00	0.01649	26.1	25.5	.00	29.13	986.4	937.5	1.34	222.6
13:00	0.016116	25.5	24.9	.00	29.10	985.6	995.3	1.43	226.6
14:00	0.01566	24.6	24.2	.00	29.08	984.9	1003.8	1.44	257.2
15:00	0.014943	23.6	23.1	.00	29.06	984.2	921.0	1.32	260.5
16:00	0.014941	23.5	23.1	.00	29.04	983.6	595.1	.85	248.5
17:00	0.016129	25.2	24.9	.00	29.04	983.4	206.3	.30	251.1
18:00	0.016743	26.0	25.8	.00	29.03	983.1	362.0	.52	281.7
19:00	0.01641	25.6	25.3	.00	29.02	982.8	76.8	.11	200.7
20:00	0.016384	26.1	25.2	.00	29.02	982.7	15.3	.02	232.8
21:00	0.016659	26.4	25.7	.00	29.04	983.4	-1.7	.00	213.1
22:00	0.016723	26.5	25.8	.00	29.06	984.3	-2.2	.00	248.3
23:00	0.016309	25.6	25.2	.00	29.07	984.4	-2.2	.00	238.5
Avg	0.016517	25.7	25.5	.00	29.09	985.0	310.7	.45	242.0
Max	0.017266	26.7	26.6	.00	29.14	986.8	1003.8	1.44	294.7
Hr. of Max	01	09	01	23	09	09	14	14	01
Min	0.014941	23.5	23.1	.00	29.02	982.7	-2.8	.00	200.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/27/2016

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	234.7	232.3	239.2	227.7	35.5	23.7	17.2	1.6	2.4
01:00	228.1	142.5	292.2	165.3	55.7	56.6	26.2	.6	.6
02:00	224.4	203.8	246.2	199.2	19.8	17.8	13.3	2.2	3.4
03:00	244.2	249.2	248.0	246.5	24.5	13.3	21.9	.7	1.9
04:00	239.7	224.2	259.7	225.3	28.1	18.9	32.8	1.3	2.0
05:00	230.6	159.3	281.7	184.9	43.8	52.4	23.4	.7	.4
06:00	236.3	207.4	265.9	205.4	33.7	18.6	12.3	.8	1.4
07:00	229.4	215.1	246.3	211.3	21.9	13.3	9.2	1.3	2.2
08:00	228.5	220.6	231.5	215.9	25.6	17.3	13.2	2.6	3.6
09:00	224.7	219.6	224.6	213.6	24.9	17.3	14.3	4.6	5.9
10:00	219.7	218.4	220.2	212.6	29.9	25.0	21.3	4.0	5.2
11:00	225.7	222.8	220.0	217.0	45.6	34.3	32.2	3.1	3.7
12:00	225.4	220.9	227.9	215.3	32.9	28.3	22.1	3.5	4.6
13:00	242.9	243.7	232.7	238.0	38.8	32.8	32.2	3.7	4.4
14:00	258.8	256.7	261.8	249.7	36.1	28.1	23.6	4.8	6.4
15:00	267.0	264.9	266.0	257.6	29.7	23.5	20.2	5.1	6.3
16:00	252.8	248.9	252.6	242.4	27.0	20.5	16.5	4.8	6.1
17:00	257.7	255.0	255.0	248.0	18.9	14.6	11.0	3.9	5.8
18:00	295.1	290.4	287.7	282.0	57.8	52.3	43.1	1.8	2.4
19:00	203.0	194.4	206.8	188.9	28.5	21.3	15.7	3.1	4.9
20:00	215.3	199.7	236.1	194.5	22.4	18.2	13.2	2.0	3.3
21:00	198.8	196.3	215.4	190.9	25.5	15.5	9.5	1.6	3.9
22:00	231.5	212.6	250.7	207.6	16.7	12.6	9.8	2.0	3.4
23:00	234.6	222.4	243.5	216.5	15.8	9.1	6.4	2.9	5.6
Avg	234.0	222.0	246.0	218.0	30.8	24.4	19.2	.0	.0
Max	295.1	290.4	292.2	282.0	57.8	56.6	43.1	5.1	6.4
Hr. of Max	18	18	01	18	18	01	18	15	14
Min	198.8	142.5	206.8	165.3	15.8	9.1	6.4	.6	.4
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)

7/27/2016

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	2.9	1.8	2.6	3.2	2.0	3.5	.7	-.7	-.02
01:00	.6	1.4	1.5	1.1	1.6	1.5	-.6	-.7	-.01
02:00	4.3	2.4	3.6	4.5	2.7	4.8	-2.0	-.5	-.12
03:00	2.5	.8	2.1	2.6	1.2	2.8	.5	.4	.01
04:00	2.4	1.5	2.2	2.6	1.8	2.8	-.8	.2	-.06
05:00	.7	.8	.5	.8	1.0	1.2	.3	-.6	-.01
06:00	2.7	.9	1.5	2.8	1.2	3.1	1.5	-.7	.01
07:00	3.4	1.4	2.3	3.5	1.7	3.7	-.3	-1.0	-.03
08:00	4.3	2.8	3.7	4.4	3.3	4.7	1.9	-.8	-.05
09:00	6.3	5.0	6.2	6.5	5.6	7.0	-2.1	-2.3	-.33
10:00	5.9	4.6	5.7	6.3	5.1	6.8	-.9	-3.0	-.17
11:00	4.1	3.8	4.4	4.8	4.4	5.4	-2.3	-3.4	-.27
12:00	5.4	4.5	5.4	5.9	4.9	6.5	1.7	-3.0	-.05
13:00	4.8	4.4	4.9	5.3	5.0	6.0	.1	1.3	-.16
14:00	6.8	5.8	7.0	7.3	6.2	7.9	-2.3	.1	-.46
15:00	7.2	5.8	6.9	7.6	6.3	8.2	-2.7	-3.6	-.48
16:00	7.2	5.4	6.6	7.6	5.9	8.1	-3.0	-1.9	-.47
17:00	7.9	4.1	5.9	8.0	4.5	8.4	-1.8	.9	-.27
18:00	2.7	2.9	3.4	3.6	3.3	4.1	-1.8	5.3	-.25
19:00	6.3	3.5	5.2	6.5	4.0	6.8	1.2	-1.2	-.07
20:00	4.6	2.2	3.5	4.8	2.5	5.1	-1.1	-3.7	-.10
21:00	6.2	1.9	4.1	6.3	2.4	6.6	1.4	1.8	.02
22:00	4.7	2.1	3.4	4.8	2.4	5.1	-2.8	-1.4	-.13
23:00	7.6	3.0	5.7	7.7	3.4	8.1	-2.3	-1.4	-.20
Avg	.0	3.0	4.1	4.9	3.4	5.3	-.7	-.8	-.15
Max	7.9	5.8	7.0	8.0	6.3	8.4	1.9	5.3	.02
Hr. of Max	17	15	14	17	15	17	08	18	21
Min	.6	.8	.5	.8	1.0	1.2	-3.0	-3.7	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/27/2016

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	-.05	4.6	6.6	8.7	12.1	4.8	27.1	27.4
01:00	.00	3.7	3.0	3.0	7.4	7.6	26.9	26.8
02:00	-.06	4.4	6.0	8.5	8.7	6.3	26.1	26.1
03:00	.03	3.0	8.9	7.8	10.8	4.9	25.5	25.8
04:00	.00	4.4	4.6	4.4	8.0	3.9	25.3	25.6
05:00	-.02	2.3	2.1	3.0	9.8	9.7	24.8	25.3
06:00	-.02	3.2	3.2	6.6	8.4	5.9	24.5	25.2
07:00	-.06	3.4	3.7	11.9	8.1	2.9	24.7	24.8
08:00	-.15	8.7	16.0	15.1	20.6	12.8	26.2	25.4
09:00	-.35	11.0	11.7	11.2	16.8	12.3	27.7	26.9
10:00	-.39	13.3	19.2	22.4	20.3	15.9	29.0	28.1
11:00	-.35	8.9	9.4	12.6	23.6	22.4	30.1	29.3
12:00	-.38	11.0	11.9	12.6	22.4	18.8	31.4	30.4
13:00	-.16	11.9	11.9	13.3	22.1	24.5	32.7	31.8
14:00	-.19	13.3	13.1	14.2	19.3	17.0	33.6	32.6
15:00	-.63	12.4	14.0	14.0	18.6	14.9	33.9	32.9
16:00	-.39	13.1	12.6	16.5	16.4	13.0	34.0	33.2
17:00	.02	9.8	13.7	13.5	14.3	8.6	32.2	31.6
18:00	.07	9.4	9.8	11.0	25.6	23.9	32.8	32.0
19:00	-.27	10.1	12.6	15.3	17.5	10.8	32.1	31.6
20:00	-.38	6.4	8.7	9.4	13.2	9.8	31.2	30.8
21:00	.21	6.9	9.4	11.0	14.2	7.0	30.2	30.2
22:00	-.14	4.6	7.3	10.3	7.7	5.7	29.8	29.6
23:00	-.20	6.6	13.3	16.5	10.8	4.0	29.2	29.3
Avg	-.16	7.8	9.7	11.4	14.9	11.1	29.2	28.9
Max	.21	13.3	19.2	22.4	25.6	24.5	34.0	33.2
Hr. of Max	21	14	10	10	18	13	16	16
Min	-.63	2.3	2.1	3.0	7.4	2.9	24.5	24.8
Count	24	24	24	24	24	24	24	24
Total								