Date Printed: 04/27/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/26/2017

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	13.9	15.2	15.5	16.9	1.33	1.60	2.99	.28	1.66
01:00	12.7	14.2	14.6	15.1	1.46	1.84	2.36	.38	.90
02:00	12.0	13.5	13.8	14.5	1.43	1.76	2.44	.32	1.01
03:00	11.4	12.9	13.2	13.8	1.57	1.87	2.48	.30	.91
04:00	10.8	12.2	12.7	13.3	1.36	1.82	2.44	.46	1.08
05:00	10.5	11.9	12.2	12.8	1.43	1.73	2.37	.30	.93
06:00	10.1	11.5	12.0	12.8	1.41	1.86	2.70	.45	1.29
07:00	10.7	11.4	11.9	12.4	.71	1.20	1.75	.49	1.04
08:00	13.5	13.3	13.1	13.1	-.24	-.38	-.39	-.14	-.15
09:00	17.2	16.8	16.6	16.4	-.33	-.60	-.74	-.27	-.41
10:00	20.3	19.8	19.4	19.3	-.56	-.89	-1.00	-.33	-.44
11:00	22.0	21.4	21.1	21.0	-.60	-.93	-1.04	-.34	-.45
12:00	23.1	22.6	22.2	22.1	-.55	-.87	-.98	-.32	-.43
13:00	24.9	24.1	23.8	23.7	-.74	-1.07	-1.20	-.33	-.46
14:00	25.7	24.9	24.6	24.5	-.73	-1.05	-1.19	-.32	-.45
15:00	26.2	25.6	25.4	25.3	-.61	-.86	-.97	-.26	-.37
16:00	27.0	26.5	26.2	26.0	-.46	-.82	-.96	-.35	-.50
17:00	27.4	27.2	26.9	26.7	-.26	-.55	-.74	-.29	-.48
18:00	27.3	27.3	27.0	26.9	-.06	-.35	-.48	-.29	-.42
19:00	24.7	25.7	25.7	25.7	.95	.93	.97	-.02	.01
20:00	21.1	23.8	24.3	24.6	2.71	3.16	3.50	.46	.79
21:00	18.8	22.4	23.1	23.7	3.60	4.34	4.89	.74	1.29
22:00	19.6	21.9	22.4	22.7	2.28	2.76	3.10	.48	.82
23:00	21.9	22.6	22.7	22.9	.72	.83	1.01	.11	.29
Avg	18.9	19.5	19.6	19.8	.66	.72	.97	.06	.31
Max	27.4	27.3	27.0	26.9	3.60	4.34	4.89	.74	1.66
Hr. of Max	17	18	18	18	21	21	21	21	00
Min	10.1	11.4	11.9	12.4	-.74	-1.07	-1.20	-.35	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/26/2017

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	12.7	13.1	13.1	18.2	93.7	88.7	11.1	11.4	0.009495
01:00	12.0	13.1	12.2	18.1	96.8	94.5	10.6	11.4	0.009073
02:00	11.5	13.0	11.7	18.0	97.8	98.4	10.3	11.3	0.008767
03:00	10.8	12.5	11.0	17.8	97.9	98.4	9.9	11.0	0.008392
04:00	10.3	11.8	10.5	17.7	97.8	98.6	9.6	10.5	0.008109
05:00	9.9	11.5	10.1	17.5	97.8	98.5	9.4	10.3	0.007903
06:00	9.6	11.1	9.8	17.4	97.8	98.6	9.2	10.1	0.007723
07:00	10.2	11.0	10.3	17.2	97.8	98.6	9.5	10.0	0.008013
08:00	12.1	11.8	12.6	17.1	92.7	92.1	10.7	10.5	0.009138
09:00	13.5	13.0	14.7	17.0	80.5	79.5	11.6	11.2	0.010002
10:00	14.0	13.1	16.1	16.9	68.3	66.5	11.9	11.2	0.010377
11:00	13.9	13.0	16.6	17.0	61.2	59.8	11.7	11.1	0.010315
12:00	14.0	13.2	17.0	17.3	57.8	56.7	11.8	11.2	0.010418
13:00	13.8	12.8	17.5	17.7	51.3	50.2	11.6	10.9	0.010297
14:00	13.8	12.7	17.7	18.1	49.0	47.6	11.6	10.8	0.010313
15:00	13.5	12.5	17.8	18.6	46.5	45.0	11.3	10.6	0.010147
16:00	14.0	12.9	18.3	18.9	45.9	44.0	11.6	10.9	0.010456
17:00	14.4	13.5	18.8	19.2	46.1	43.9	12.0	11.3	0.010813
18:00	14.7	14.0	18.9	19.4	47.1	45.1	12.2	11.6	0.010971
19:00	15.3	14.2	18.4	19.6	57.3	50.2	12.7	11.8	0.011379
20:00	15.8	14.3	17.5	19.6	73.0	56.6	13.2	12.0	0.011696
21:00	15.0	14.4	16.3	19.6	80.4	62.1	12.7	12.1	0.011136
22:00	14.7	13.9	16.3	19.6	75.0	61.7	12.4	11.8	0.010906
23:00	13.0	12.7	16.0	19.5	58.3	54.6	11.1	10.8	0.009764
Avg	13.0	12.9	15.0	18.2	73.7	70.4	11.2	11.1	0.009817
Max	15.8	14.4	18.9	19.6	97.9	98.6	13.2	12.1	0.011696
Hr. of Max	20	21	18	22	03	07	20	21	20
Min	9.6	11.0	9.8	16.9	45.9	43.9	9.2	10.0	0.007723
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/26/2017

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	0.009794	14.7	15.1	.00	28.85	977.0	-2.9	.00	78.3
01:00	0.009741	14.0	15.1	.00	28.85	977.0	-2.6	.00	99.7
02:00	0.009687	13.6	15.0	.00	28.83	976.5	-2.6	.00	74.2
03:00	0.009363	13.0	14.5	.00	28.83	976.3	-3.0	.00	61.1
04:00	0.008939	12.6	13.8	.00	28.83	976.4	-2.2	.00	94.1
05:00	0.008755	12.3	13.6	.00	28.84	976.6	-2.4	.00	83.3
06:00	0.008548	12.0	13.3	.00	28.87	977.5	-.8	.00	99.1
07:00	0.008467	12.5	13.1	.00	28.90	978.8	61.7	.09	146.2
08:00	0.008936	14.2	13.9	.00	28.93	979.8	280.6	.40	93.8
09:00	0.009672	15.5	15.0	.00	28.93	979.6	503.2	.72	82.7
10:00	0.009754	16.1	15.1	.00	28.91	979.2	701.3	1.01	161.1
11:00	0.009709	16.0	15.0	.00	28.90	978.8	858.3	1.23	186.6
12:00	0.009877	16.1	15.3	.00	28.89	978.5	709.9	1.02	204.9
13:00	0.009629	15.9	14.9	.00	28.88	977.9	953.3	1.37	204.7
14:00	0.009598	15.9	14.8	.00	28.85	977.0	958.5	1.37	176.1
15:00	0.009461	15.7	14.6	.00	28.82	976.0	885.8	1.27	177.9
16:00	0.009755	16.1	15.1	.00	28.80	975.4	745.5	1.07	191.6
17:00	0.01013	16.7	15.6	.00	28.78	974.6	411.6	.59	215.5
18:00	0.010469	16.9	16.1	.00	28.77	974.3	269.3	.39	235.6
19:00	0.01061	17.5	16.3	.00	28.77	974.2	85.2	.12	249.8
20:00	0.010694	18.0	16.5	.00	28.77	974.4	1.3	.00	252.2
21:00	0.010734	17.1	16.5	.00	28.78	974.8	-2.9	.00	263.9
22:00	0.010373	16.8	16.0	.00	28.81	975.5	-2.6	.00	235.0
23:00	0.009561	15.1	14.8	.00	28.82	976.0	-3.7	-.01	231.7
Avg	0.009677	15.2	15.0	.00	28.84	976.8	308.3	.44	165.0
Max	0.010734	18.0	16.5	.00	28.93	979.8	958.5	1.37	263.9
Hr. of Max	21	20	21	23	09	08	14	14	21
Min	0.008467	12.0	13.1	.00	28.77	974.2	-3.7	-.01	61.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/26/2017

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	66.0	53.8	68.9	44.7	8.3	5.5	2.7	1.4	3.5
01:00	87.7	56.3	287.8	46.6	49.5	35.6	6.0	.3	.4
02:00	58.4	78.1	350.4	70.7	13.0	7.2	8.8	.2	.8
03:00	77.3	58.3	288.2	44.6	26.4	33.0	6.4	.1	.6
04:00	49.3	65.3	20.5	77.2	11.8	28.8	8.0	.2	.4
05:00	63.0	64.3	71.7	55.4	10.9	6.0	6.3	.1	.8
06:00	86.1	6.7	315.7	347.6	32.4	45.3	22.9	.6	.4
07:00	201.8	191.1	224.6	206.6	37.5	36.3	27.8	.6	.8
08:00	75.8	57.9	95.9	49.3	14.5	24.8	22.2	1.7	1.7
09:00	65.6	77.7	70.9	69.7	43.0	38.5	37.4	.8	.8
10:00	175.2	178.4	163.7	173.2	40.1	36.2	33.9	3.2	4.0
11:00	196.8	197.6	190.2	192.7	43.3	35.4	31.7	3.2	4.0
12:00	212.2	212.5	206.9	208.1	39.5	27.8	23.1	4.3	6.1
13:00	214.2	211.5	209.4	206.5	34.3	32.4	26.1	4.7	5.7
14:00	188.0	191.1	177.2	187.3	39.0	41.5	38.6	3.7	4.3
15:00	197.6	200.8	186.1	195.6	45.4	39.1	34.3	3.9	4.7
16:00	202.0	201.0	193.0	196.5	30.3	27.7	24.3	4.8	5.7
17:00	227.1	226.3	217.6	221.3	32.8	26.5	21.7	4.0	5.1
18:00	240.8	237.3	236.3	232.8	29.1	20.4	16.4	4.0	5.7
19:00	258.9	256.6	251.2	251.7	18.2	12.3	11.0	3.0	4.9
20:00	236.0	220.3	258.7	216.4	39.1	7.3	6.6	2.1	4.3
21:00	221.0	210.3	276.1	206.1	29.7	27.5	8.6	1.9	3.7
22:00	239.6	227.5	236.6	223.3	17.1	11.9	10.3	4.0	6.9
23:00	227.9	216.4	233.4	212.2	22.4	14.5	11.6	4.6	7.3
Avg	179.0	181.0	226.0	183.0	29.5	25.9	18.6	.0	.0
Max	258.9	256.6	350.4	347.6	49.5	45.3	38.6	4.8	7.3
Hr. of Max	19	19	02	06	01	06	14	16	23
Min	49.3	6.7	20.5	44.6	8.3	5.5	2.7	.1	.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)

4/26/2017

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	5.2	1.5	3.5	5.2	1.7	5.4	.4	1.5	.00
01:00	2.5	.4	.5	2.6	.8	2.8	1.6	.2	.02
02:00	1.5	.2	.8	1.6	.7	1.7	1.6	1.2	.02
03:00	1.2	.5	.8	1.2	1.0	1.4	1.2	1.3	.02
04:00	.4	.2	.4	.5	.8	.7	2.1	-.2	.03
05:00	1.5	.1	.9	1.5	.5	1.8	1.6	.8	.02
06:00	.7	.9	1.1	1.7	1.3	1.9	1.6	1.9	.03
07:00	.9	.8	1.0	1.5	1.3	1.8	1.1	.7	.02
08:00	2.0	1.7	1.9	2.0	2.1	2.3	6.0	5.0	.21
09:00	1.0	1.5	1.8	2.0	2.0	2.6	.7	3.9	.06
10:00	4.3	4.1	4.8	5.0	4.8	5.5	-.8	-3.6	-.12
11:00	4.5	4.1	4.8	5.2	4.7	5.8	-1.5	-2.8	-.22
12:00	7.0	5.1	6.8	7.6	5.8	8.1	.2	-4.4	-.13
13:00	6.6	5.4	6.5	7.4	6.2	8.1	1.0	1.9	-.06
14:00	5.1	5.0	5.6	6.3	5.7	7.1	2.7	5.4	.10
15:00	5.5	4.9	5.6	6.4	5.5	7.0	1.5	-2.3	-.03
16:00	6.5	5.4	6.2	7.0	6.0	7.6	2.0	-.6	.01
17:00	6.0	4.7	5.7	6.5	5.3	7.1	-.3	.2	-.18
18:00	6.6	4.5	6.1	7.0	5.1	7.6	1.1	.7	-.15
19:00	6.1	3.2	5.1	6.3	3.6	6.6	-.2	-.1	-.14
20:00	6.1	2.2	4.3	6.2	2.6	6.6	-.4	-1.5	-.04
21:00	6.7	2.0	3.9	7.0	2.4	7.4	-.6	-1.1	-.05
22:00	9.2	4.2	7.1	9.4	4.6	10.0	-.4	-1.9	-.12
23:00	9.7	4.9	7.6	9.9	5.3	10.5	-1.1	-2.7	-.21
Avg	.0	2.8	3.9	4.9	3.3	5.3	.9	.1	-.04
Max	9.7	5.4	7.6	9.9	6.2	10.5	6.0	5.4	.21
Hr. of Max	23	16	23	23	13	23	08	14	08
Min	.4	.1	.4	.5	.5	.7	-1.5	-4.4	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/26/2017

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	.12	3.7	5.7	9.6	8.3	2.7	16.1	17.5
01:00	.03	2.3	4.4	13.5	10.6	4.6	15.0	15.7
02:00	.05	2.5	2.1	4.1	6.0	4.0	14.3	15.1
03:00	.06	1.8	3.0	4.8	5.6	6.7	13.6	14.5
04:00	.00	2.1	1.6	1.8	5.3	4.5	12.9	13.9
05:00	.02	1.4	1.8	2.3	5.2	3.6	12.5	13.4
06:00	.07	3.7	2.7	4.6	5.2	3.7	12.1	13.4
07:00	.02	6.4	5.0	4.6	6.9	4.4	12.0	13.0
08:00	.17	5.5	4.6	4.6	20.8	14.7	14.1	13.7
09:00	.15	6.9	7.8	7.6	28.2	30.8	17.8	17.1
10:00	-.50	9.6	10.8	10.3	18.1	20.3	20.5	19.7
11:00	-.43	12.4	12.6	11.9	20.9	22.3	22.0	21.2
12:00	-.64	17.2	16.7	18.1	18.6	14.4	23.2	22.3
13:00	.11	12.8	13.7	16.0	20.0	18.6	24.6	23.8
14:00	.36	13.1	16.0	15.8	21.2	22.7	25.5	24.6
15:00	-.38	13.5	14.2	16.0	21.2	19.9	26.2	25.4
16:00	-.30	12.6	12.8	13.1	19.8	18.9	27.0	26.2
17:00	-.08	11.7	12.8	13.3	17.3	15.8	27.7	27.0
18:00	-.06	11.7	14.2	14.0	18.6	13.6	27.9	27.2
19:00	-.07	12.1	18.3	12.6	12.6	7.7	26.4	26.1
20:00	-.18	6.4	9.2	12.6	6.8	4.1	24.7	25.2
21:00	-.15	7.6	15.3	16.3	8.2	4.8	23.2	24.3
22:00	-.40	15.6	16.9	20.4	10.1	7.0	22.8	23.3
23:00	-.61	15.3	21.3	22.9	13.9	8.4	23.4	23.3
Avg	-.11	8.7	10.1	11.3	13.7	11.6	20.2	20.3
Max	.36	17.2	21.3	22.9	28.2	30.8	27.9	27.2
Hr. of Max	14	12	23	23	09	09	18	18
Min	-.64	1.4	1.6	1.8	5.2	2.7	12.0	13.0
Count	24	24	24	24	24	24	24	24
Total								