Date Printed: 05/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2017

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	23.9	24.6	24.7	24.8	.77	.83	.94	.06	.17
01:00	23.3	24.2	24.2	24.2	.83	.84	.92	.01	.09
02:00	22.0	23.5	23.6	23.7	1.45	1.56	1.69	.11	.24
03:00	22.5	23.2	23.2	23.3	.69	.73	.82	.03	.13
04:00	21.9	23.2	23.3	23.4	1.29	1.39	1.51	.10	.22
05:00	19.7	22.4	22.9	23.2	2.71	3.22	3.45	.51	.75
06:00	19.7	22.1	22.7	22.9	2.33	3.00	3.19	.67	.87
07:00	20.3	21.5	22.1	22.5	1.25	1.80	2.23	.55	.97
08:00	22.7	22.9	22.9	22.9	.23	.18	.23	-.05	.00
09:00	24.3	24.1	23.8	23.7	-.24	-.50	-.61	-.26	-.36
10:00	25.6	25.3	25.1	25.0	-.26	-.52	-.61	-.26	-.35
11:00	26.3	25.9	25.6	25.5	-.37	-.67	-.78	-.30	-.41
12:00	27.3	26.7	26.4	26.2	-.59	-.90	-1.06	-.31	-.47
13:00	28.0	27.3	27.0	26.8	-.67	-.98	-1.14	-.31	-.47
14:00	27.9	27.6	27.3	27.2	-.31	-.57	-.69	-.26	-.38
15:00	28.2	27.9	27.7	27.6	-.28	-.54	-.65	-.26	-.38
16:00	28.3	28.1	27.8	27.7	-.22	-.48	-.59	-.26	-.37
17:00	27.8	27.8	27.6	27.5	.01	-.20	-.27	-.21	-.28
18:00	27.0	27.2	27.0	26.9	.14	-.04	-.08	-.18	-.22
19:00	26.4	26.5	26.4	26.4	.18	.07	.05	-.11	-.13
20:00	19.4	19.3	19.3	19.3	-.09	-.10	-.12	-.01	-.03
21:00	18.8	18.7	18.7	18.7	-.03	-.07	-.04	-.03	-.01
22:00	18.5	18.6	18.6	18.7	.04	.07	.13	.03	.09
23:00	18.7	18.9	18.8	18.8	.23	.15	.10	-.09	-.13
Avg	23.7	24.1	24.0	24.0	.38	.34	.36	-.03	-.02
Max	28.3	28.1	27.8	27.7	2.71	3.22	3.45	.67	.97
Hr. of Max	16	16	16	16	05	05	05	06	07
Min	18.5	18.6	18.6	18.7	-.67	-.98	-1.14	-.31	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2017

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	17.9	17.6	19.9	21.4	71.1	66.4	15.0	14.7	0.013279
01:00	17.7	17.7	19.6	21.3	72.6	68.7	14.9	14.8	0.013146
02:00	17.9	17.8	19.3	21.2	79.4	72.4	15.2	15.0	0.013304
03:00	18.1	18.0	19.6	21.1	78.1	74.3	15.3	15.2	0.013478
04:00	17.8	17.7	19.2	21.0	79.4	73.0	15.0	14.9	0.013204
05:00	17.8	17.6	18.5	20.9	90.8	75.9	15.2	14.8	0.013205
06:00	17.8	17.3	18.5	20.8	90.8	76.4	15.1	14.6	0.013193
07:00	18.1	17.3	18.8	20.7	89.3	78.7	15.4	14.6	0.013454
08:00	19.0	17.8	20.2	20.6	81.9	74.8	16.2	15.0	0.014264
09:00	18.3	17.8	20.3	20.6	71.0	69.5	15.4	14.9	0.013648
10:00	17.9	17.3	20.4	20.6	64.0	62.8	14.9	14.5	0.013252
11:00	17.1	16.4	20.1	20.7	58.4	57.4	14.2	13.7	0.012607
12:00	15.8	15.1	19.6	20.8	50.9	50.2	13.1	12.5	0.011662
13:00	15.8	15.0	19.9	21.1	48.9	48.2	13.1	12.4	0.011687
14:00	15.2	14.6	19.4	21.4	47.2	46.2	12.6	12.1	0.011223
15:00	15.0	14.3	19.4	21.7	45.7	44.3	12.4	11.8	0.011099
16:00	14.2	13.4	18.9	21.9	43.1	41.6	11.8	11.2	0.01052
17:00	13.9	13.3	18.5	22.0	43.8	42.1	11.6	11.2	0.010341
18:00	14.1	13.7	18.4	22.0	46.3	44.5	11.8	11.4	0.010487
19:00	14.4	14.0	18.4	22.0	49.0	47.4	12.0	11.7	0.010666
20:00	17.1	17.1	17.9	21.9	88.5	89.3	14.5	14.5	0.012602
21:00	17.3	17.3	17.8	21.8	93.0	93.4	14.7	14.7	0.012753
22:00	17.6	17.5	17.9	21.7	96.3	95.7	15.0	14.9	0.01302
23:00	17.3	17.3	17.8	21.6	93.8	92.4	14.7	14.7	0.012824
Avg	16.8	16.4	19.1	21.3	69.7	66.1	14.1	13.7	0.012455
Max	19.0	18.0	20.4	22.0	96.3	95.7	16.2	15.2	0.014264
Hr. of Max	08	03	10	19	22	22	08	03	08
Min	13.9	13.3	17.8	20.6	43.1	41.6	11.6	11.2	0.010341
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2017

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	0.012997	20.6	20.2	.00	29.13	986.6	-1.0	.00	209.5
01:00	0.013087	20.4	20.3	.00	29.12	986.1	-3.0	.00	211.1
02:00	0.013238	20.6	20.5	.00	29.11	986.0	-3.3	.00	231.0
03:00	0.013365	20.9	20.7	.00	29.10	985.5	-2.1	.00	217.0
04:00	0.013144	20.5	20.4	.00	29.10	985.4	-1.2	.00	218.8
05:00	0.013022	20.5	20.2	.00	29.09	985.2	-2.2	.00	214.5
06:00	0.012811	20.5	19.9	.00	29.09	985.1	.7	.00	212.5
07:00	0.012802	20.8	19.9	.00	29.07	984.6	95.4	.14	81.5
08:00	0.013219	22.1	20.5	.00	29.10	985.4	250.9	.36	223.2
09:00	0.013159	21.2	20.4	.00	29.12	986.0	400.2	.57	224.2
10:00	0.012813	20.6	19.9	.00	29.14	986.9	517.7	.74	206.2
11:00	0.012118	19.6	18.9	.00	29.14	986.9	719.4	1.03	183.5
12:00	0.011121	18.2	17.3	.00	29.15	987.1	962.2	1.38	171.3
13:00	0.011076	18.2	17.3	.00	29.12	986.1	987.7	1.42	177.4
14:00	0.010772	17.5	16.8	.00	29.10	985.3	659.8	.95	171.7
15:00	0.010573	17.3	16.5	.00	29.08	984.7	619.2	.89	175.7
16:00	0.010035	16.4	15.6	.00	29.05	983.8	584.1	.84	181.4
17:00	0.009955	16.1	15.5	.00	29.05	983.6	281.4	.40	185.4
18:00	0.01017	16.3	15.8	.00	29.03	983.0	148.8	.21	181.3
19:00	0.010426	16.6	16.2	.00	29.02	982.8	26.0	.04	191.7
20:00	0.012638	19.5	19.6	.04	29.07	984.4	-2.0	.00	244.3
21:00	0.012784	19.8	19.8	.00	29.07	984.3	-2.5	.00	250.2
22:00	0.012977	20.2	20.1	.00	29.05	983.7	-1.8	.00	210.3
23:00	0.01282	19.9	19.8	.00	29.02	982.6	-3.2	.00	94.5
Avg	0.01213	19.3	18.8	.00	29.09	985.0	259.6	.37	198.0
Max	0.013365	22.1	20.7	.04	29.15	987.1	987.7	1.42	250.2
Hr. of Max	03	08	03	20	12	12	13	13	21
Min	0.009955	16.1	15.5	.00	29.02	982.6	-3.3	.00	81.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2017

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	207.1	196.5	213.7	191.4	29.7	18.4	15.1	3.4	6.0
01:00	209.2	194.8	217.6	189.6	23.8	16.0	13.3	2.7	4.5
02:00	222.3	208.6	236.3	204.1	23.1	13.5	11.8	2.6	4.9
03:00	214.0	202.0	221.2	197.2	23.5	16.2	13.1	3.3	5.7
04:00	215.9	204.0	225.6	199.4	28.8	14.3	11.4	2.4	4.7
05:00	219.3	202.6	240.8	197.9	66.8	12.9	10.3	1.0	3.3
06:00	229.9	209.7	243.5	205.4	67.0	14.7	10.4	1.5	3.9
07:00	127.9	168.1	57.1	165.8	27.1	27.9	23.0	.4	.3
08:00	252.9	243.6	239.1	239.6	35.9	17.5	9.6	1.6	2.9
09:00	231.8	227.4	225.2	223.1	25.7	19.4	15.8	4.7	6.8
10:00	212.1	209.1	207.1	204.4	27.2	20.5	16.4	8.8	12.1
11:00	190.0	188.9	185.2	183.7	26.3	23.4	21.1	9.0	11.4
12:00	181.4	180.8	171.4	176.1	29.1	24.7	20.9	8.3	11.1
13:00	188.0	186.4	178.3	180.9	29.6	26.2	23.1	7.1	8.7
14:00	182.9	181.6	172.1	176.5	31.9	28.4	23.1	7.6	9.4
15:00	183.5	179.1	176.2	174.6	28.1	23.3	22.0	7.0	8.9
16:00	190.0	187.3	182.7	182.4	29.3	24.1	20.1	8.2	11.1
17:00	193.7	191.6	185.7	186.9	26.5	23.1	19.3	7.5	10.0
18:00	185.7	182.7	182.6	177.1	35.3	30.4	24.5	4.3	5.9
19:00	199.6	189.2	200.4	184.1	35.9	29.8	23.1	3.4	5.1
20:00	250.7	249.7	245.5	245.3	20.5	15.0	12.2	6.9	10.1
21:00	256.4	249.7	254.5	245.2	44.2	16.5	10.9	2.6	4.6
22:00	225.9	216.6	229.8	212.0	63.8	27.1	14.5	.9	2.6
23:00	117.3	128.0	94.5	121.9	48.8	47.0	39.2	1.4	2.0
Avg	205.0	199.0	206.0	194.0	34.5	22.1	17.7	.0	.0
Max	256.4	249.7	254.5	245.3	67.0	47.0	39.2	9.0	12.1
Hr. of Max	21	21	21	20	06	23	23	11	10
Min	117.3	128.0	57.1	121.9	20.5	12.9	9.6	.4	.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)

4/30/2017

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	8.5	3.8	6.3	8.9	4.2	9.3	.8	-3.0	-.12
01:00	6.2	2.8	4.6	6.3	3.3	6.6	.1	-3.9	-.09
02:00	6.6	2.7	5.0	6.7	3.2	7.1	-1.4	-2.7	-.14
03:00	7.6	3.5	5.9	7.8	4.0	8.1	-.5	-3.2	-.15
04:00	6.7	2.6	4.8	6.9	3.2	7.3	-.9	-2.9	-.13
05:00	5.5	1.1	3.4	5.6	1.6	5.9	2.2	-2.2	.02
06:00	5.7	1.6	4.0	5.8	2.1	6.1	1.6	-1.6	-.03
07:00	2.2	.7	1.9	2.8	1.0	3.1	4.8	-1.2	.09
08:00	4.0	1.8	3.1	4.0	2.4	4.3	1.5	-2.1	.00
09:00	8.6	5.2	7.2	9.1	6.0	9.6	1.2	-1.4	-.11
10:00	14.7	9.7	12.8	15.3	10.3	16.0	1.1	-1.5	-.18
11:00	13.8	9.9	12.3	14.6	10.7	15.3	1.9	-2.0	-.05
12:00	13.4	9.4	12.0	14.2	10.2	14.8	2.5	-1.8	.12
13:00	10.5	8.1	9.7	11.4	8.9	12.0	1.9	1.2	.08
14:00	12.2	8.6	10.4	13.1	9.4	13.9	4.2	-.3	.34
15:00	10.6	7.9	9.6	11.3	8.6	11.9	2.3	.0	.07
16:00	14.3	9.2	12.0	15.1	10.2	15.7	.8	-1.8	-.23
17:00	12.7	8.2	10.7	13.5	9.0	14.1	1.8	-1.9	-.08
18:00	8.0	5.0	6.6	8.7	5.8	9.3	1.8	-1.4	-.13
19:00	7.1	4.1	6.0	8.2	4.9	8.7	.6	-2.7	-.14
20:00	12.8	7.3	10.5	13.1	7.8	13.6	-1.0	-.9	-.37
21:00	6.5	2.9	4.7	6.7	3.3	7.0	-.8	.0	-.13
22:00	4.2	1.4	3.1	4.6	1.8	4.9	1.0	-1.0	.01
23:00	2.8	1.9	2.5	3.3	2.4	3.8	2.6	2.5	.07
Avg	.0	5.0	7.0	9.0	5.6	9.5	1.3	-1.5	-.05
Max	14.7	9.9	12.8	15.3	10.7	16.0	4.8	2.5	.34
Hr. of Max	10	11	10	10	11	10	07	23	14
Min	2.2	.7	1.9	2.8	1.0	3.1	-1.4	-3.9	-.37
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)

4/30/2017

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	-.67	10.5	12.8	19.0	19.3	11.6	25.8	25.6
01:00	-.54	10.1	14.9	21.5	14.7	10.1	25.4	25.1
02:00	-.42	6.4	9.8	13.1	12.8	8.6	24.8	24.7
03:00	-.57	10.1	12.6	13.7	14.8	9.1	24.5	24.3
04:00	-.43	8.9	12.8	16.0	14.7	8.2	24.5	24.4
05:00	-.26	5.0	10.3	11.0	14.5	7.3	23.6	24.1
06:00	-.23	6.9	9.8	12.1	15.5	7.4	23.1	23.8
07:00	-.06	3.7	8.2	10.3	12.8	11.3	22.7	23.4
08:00	-.17	6.9	7.6	8.5	12.1	7.7	24.1	23.6
09:00	-.41	11.7	15.1	18.1	17.6	11.3	25.2	24.4
10:00	-.76	25.0	32.1	35.0	17.5	12.1	26.3	25.5
11:00	-1.04	25.4	28.2	30.5	18.7	15.9	26.7	25.9
12:00	-.83	31.1	44.0	51.1	18.1	14.8	27.3	26.4
13:00	-.12	25.9	23.6	29.8	18.8	17.5	27.9	27.0
14:00	-.57	23.8	24.0	28.2	21.0	17.4	28.2	27.4
15:00	-.35	24.7	22.4	24.5	19.0	17.2	28.5	27.7
16:00	-.90	27.0	27.5	33.7	18.9	15.0	28.6	27.8
17:00	-.85	25.9	27.9	35.3	19.1	14.9	28.3	27.6
18:00	-.54	16.0	18.1	23.8	22.2	18.1	27.8	27.2
19:00	-.66	40.3	45.6	48.3	21.7	14.7	27.2	26.7
20:00	-.32	42.4	58.9	78.1	14.8	8.7	20.7	20.3
21:00	-.07	11.0	13.3	19.0	15.6	8.1	20.0	19.6
22:00	-.12	3.9	9.4	9.4	14.8	7.9	19.8	19.6
23:00	.01	6.4	9.8	11.9	22.8	21.2	20.2	19.7
Avg	-.45	17.0	20.8	25.1	17.2	12.3	25.1	24.7
Max	.01	42.4	58.9	78.1	22.8	21.2	28.6	27.8
Hr. of Max	23	20	20	20	23	23	16	16
Min	-1.04	3.7	7.6	8.5	12.1	7.3	19.8	19.6
Count	24	24	24	24	24	24	24	24
Total								