Date Printed: 07/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2017

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	22.6	23.2	23.3	23.5	.61	.72	.91	.12	.30
01:00	23.3	23.5	23.4	23.5	.13	.09	.19	-.04	.06
02:00	23.4	23.5	23.4	23.5	.05	-.04	.01	-.08	-.04
03:00	23.5	23.5	23.4	23.4	.01	-.10	-.05	-.11	-.06
04:00	23.6	23.5	23.4	23.4	-.01	-.14	-.12	-.13	-.11
05:00	23.5	23.5	23.4	23.4	-.01	-.13	-.13	-.12	-.12
06:00	23.1	23.2	23.1	23.2	.06	.01	.08	-.05	.02
07:00	22.3	22.4	22.4	22.6	.03	.10	.30	.07	.28
08:00	23.5	23.3	23.2	23.3	-.15	-.25	-.18	-.11	-.03
09:00	24.7	24.4	24.3	24.2	-.25	-.43	-.47	-.18	-.22
10:00	26.5	26.0	25.6	25.6	-.56	-.87	-.96	-.32	-.40
11:00	27.8	27.2	26.8	26.7	-.60	-.91	-1.02	-.31	-.41
12:00	29.0	28.2	28.0	27.9	-.74	-.97	-1.10	-.23	-.36
13:00	29.6	28.9	28.6	28.6	-.75	-1.00	-1.05	-.24	-.30
14:00	30.3	29.4	29.2	29.1	-.83	-1.08	-1.16	-.26	-.33
15:00	28.2	27.9	27.8	27.9	-.28	-.40	-.34	-.11	-.06
16:00	26.2	26.1	26.0	25.9	-.11	-.27	-.31	-.16	-.20
17:00	22.6	22.7	22.8	22.9	.09	.18	.37	.09	.28
18:00	23.3	23.0	22.9	22.9	-.24	-.37	-.36	-.13	-.12
19:00	22.5	22.5	22.4	22.4	.00	-.11	-.12	-.11	-.12
20:00	21.7	21.8	21.8	21.8	.07	.06	.09	-.01	.02
21:00	21.8	21.9	21.8	21.8	.07	.00	-.02	-.07	-.09
22:00	21.7	21.6	21.5	21.5	-.07	-.17	-.18	-.10	-.11
23:00	21.0	21.0	20.9	20.9	.00	-.10	-.11	-.11	-.11
Avg	24.4	24.3	24.1	24.2	-.14	-.26	-.24	-.11	-.09
Max	30.3	29.4	29.2	29.1	.61	.72	.91	.12	.30
Hr. of Max	14	14	14	14	00	00	00	00	00
Min	21.0	21.0	20.9	20.9	-.83	-1.08	-1.16	-.32	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2017

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	21.6	22.4	22.0	23.5	97.2	98.0	19.0	19.8	0.016821
01:00	21.8	22.2	22.3	23.4	93.7	95.5	19.1	19.7	0.016971
02:00	21.8	22.3	22.3	23.4	92.7	95.6	19.1	19.7	0.016939
03:00	21.8	22.5	22.4	23.3	93.1	96.9	19.2	20.0	0.017047
04:00	22.0	22.8	22.5	23.3	93.8	98.1	19.4	20.3	0.017244
05:00	22.1	22.9	22.6	23.3	94.3	98.8	19.5	20.4	0.017328
06:00	21.7	22.3	22.2	23.3	94.4	97.7	19.1	19.7	0.016888
07:00	21.6	21.8	21.8	23.2	98.1	99.1	18.9	19.2	0.016729
08:00	22.6	22.7	22.9	23.2	97.6	99.1	20.1	20.2	0.017816
09:00	22.5	22.7	23.3	23.2	90.5	92.6	20.0	20.1	0.017779
10:00	22.0	21.7	23.5	23.2	78.7	79.6	19.2	18.9	0.017241
11:00	21.5	21.1	23.6	23.4	71.0	71.8	18.6	18.2	0.016713
12:00	21.3	20.8	23.9	23.6	65.2	65.9	18.3	17.8	0.016509
13:00	21.1	20.6	23.9	24.0	62.2	63.0	18.0	17.6	0.016318
14:00	21.2	20.8	24.2	24.3	60.1	61.4	18.1	17.7	0.016407
15:00	22.0	21.4	24.1	24.6	71.2	69.9	19.1	18.5	0.017244
16:00	21.2	21.0	22.9	24.8	76.1	75.8	18.3	18.1	0.016386
17:00	21.3	21.3	21.7	24.9	94.8	94.5	18.6	18.6	0.016397
18:00	21.7	21.7	22.3	24.9	93.8	94.9	19.1	19.1	0.016913
19:00	21.2	21.4	21.7	24.8	95.2	96.1	18.6	18.7	0.01637
20:00	20.9	21.2	21.2	24.7	97.8	99.0	18.3	18.6	0.016047
21:00	21.0	21.3	21.3	24.6	97.9	99.1	18.4	18.6	0.016129
22:00	21.0	21.1	21.2	24.4	98.0	99.2	18.3	18.4	0.016048
23:00	20.3	20.5	20.5	24.3	98.0	99.2	17.6	17.8	0.015397
Avg	21.6	21.7	22.5	23.9	87.7	89.2	18.8	19.0	0.016737
Max	22.6	22.9	24.2	24.9	98.1	99.2	20.1	20.4	0.017816
Hr. of Max	08	05	14	18	07	23	08	05	08
Min	20.3	20.5	20.5	23.2	60.1	61.4	17.6	17.6	0.015397
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2017

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	0.017601	26.0	27.1	.00	29.11	986.0	-3.0	.00	225.1
01:00	0.017451	26.2	26.9	.00	29.11	985.9	-2.1	.00	227.5
02:00	0.017508	26.1	27.0	.00	29.10	985.6	-2.3	.00	228.2
03:00	0.017742	26.3	27.3	.00	29.09	985.2	-2.2	.00	228.4
04:00	0.018032	26.6	27.8	.00	29.09	985.2	-2.2	.00	223.2
05:00	0.018146	26.7	27.9	.00	29.09	985.2	-2.9	.00	231.1
06:00	0.017526	26.1	27.0	.04	29.10	985.6	4.6	.01	220.3
07:00	0.01693	25.8	26.1	.00	29.12	986.2	31.7	.05	231.7
08:00	0.017933	27.5	27.7	.00	29.14	986.8	103.3	.15	220.9
09:00	0.017911	27.4	27.6	.00	29.15	987.0	293.1	.42	233.0
10:00	0.016867	26.6	26.1	.00	29.15	987.0	558.3	.80	217.5
11:00	0.016318	25.8	25.2	.00	29.14	986.8	607.5	.87	219.0
12:00	0.015973	25.5	24.7	.00	29.14	986.8	660.6	.95	236.5
13:00	0.015829	25.2	24.5	.00	29.13	986.6	613.0	.88	243.2
14:00	0.015971	25.3	24.7	.00	29.12	986.2	705.0	1.01	228.7
15:00	0.016652	26.6	25.7	.01	29.10	985.5	404.3	.58	183.8
16:00	0.01623	25.3	25.1	.07	29.10	985.5	177.5	.25	179.7
17:00	0.016431	25.3	25.4	.15	29.13	986.6	34.7	.05	206.5
18:00	0.016865	26.1	26.1	.00	29.14	986.9	194.6	.28	132.6
19:00	0.01652	25.3	25.6	.25	29.17	987.8	25.1	.04	114.5
20:00	0.016317	24.8	25.3	.08	29.17	987.9	2.4	.00	86.3
21:00	0.016387	25.0	25.4	.00	29.18	988.2	-2.3	.00	200.0
22:00	0.016177	24.9	25.1	.00	29.19	988.5	-2.2	.00	219.9
23:00	0.015587	23.9	24.2	.00	29.20	988.9	-2.2	.00	226.5
Avg	0.016871	25.8	26.1	.03	29.13	986.6	183.1	.26	212.0
Max	0.018146	27.5	27.9	.25	29.20	988.9	705.0	1.01	243.2
Hr. of Max	05	08	05	19	23	23	14	14	13
Min	0.015587	23.9	24.2	.00	29.09	985.2	-3.0	.00	86.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2017

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	233.2	225.0	230.4	221.0	20.1	10.5	7.7	2.6	5.0
01:00	228.5	218.4	231.2	214.0	24.5	14.7	11.4	2.6	4.6
02:00	234.3	227.4	230.1	223.4	22.1	15.2	11.4	3.4	5.7
03:00	230.0	223.8	229.5	219.8	24.2	13.8	9.8	3.1	5.3
04:00	230.3	225.7	224.5	221.6	23.8	12.7	9.1	3.7	6.6
05:00	234.7	228.9	233.2	224.9	26.1	13.4	9.4	3.5	6.3
06:00	232.8	229.0	226.6	225.2	23.2	11.4	8.1	3.6	6.5
07:00	246.9	236.8	240.9	232.2	26.2	11.3	8.5	2.0	4.4
08:00	231.3	226.5	223.8	222.3	27.6	14.0	9.0	2.9	5.2
09:00	237.0	235.3	232.1	231.3	26.6	17.8	13.2	4.4	6.7
10:00	225.8	225.7	218.9	221.5	23.7	17.4	13.3	5.8	8.0
11:00	227.6	225.8	220.5	221.5	30.2	23.3	17.5	5.3	7.0
12:00	245.9	243.5	236.8	239.0	33.7	24.5	22.7	4.0	5.3
13:00	253.4	251.7	245.6	246.8	44.7	27.7	25.2	3.5	5.0
14:00	245.6	244.4	230.6	239.6	37.0	29.5	25.6	3.5	4.3
15:00	199.3	196.3	193.9	194.3	30.7	26.0	25.4	1.9	3.2
16:00	191.6	191.1	179.0	187.5	41.3	38.5	38.6	4.3	6.1
17:00	258.8	253.3	241.3	256.7	42.0	36.1	32.2	.5	.9
18:00	141.6	136.8	155.7 +	130.6	38.2	34.9	29.9	1.8	2.0
19:00	137.3	144.8	156.5	146.1	57.7	48.2	43.9	.3	.7
20:00	86.1	89.6	78.2	105.0	53.4	48.4	40.3	1.9	3.4
21:00	204.9	192.1	215.5	187.2	48.6	30.9	23.3	1.5	2.7
22:00	229.0	223.9	226.5	219.1	23.2	18.9	17.5	2.4	4.2
23:00	239.6	239.2	230.9	234.6	36.4	20.6	15.7	2.1	3.7
Avg	224.0	219.0	219.0	215.0	32.7	23.3	19.5	.0	.0
Max	258.8	253.3	245.6	256.7	57.7	48.4	43.9	5.8	8.0
Hr. of Max	17	17	13	17	19	20	19	10	10
Min	86.1	89.6	78.2	105.0	20.1	10.5	7.7	.3	.7
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)

7/1/2017

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	7.2	2.7	5.1	7.3	3.1	7.8	-1.2	-1.1	-.11
01:00	6.6	2.8	4.8	6.8	3.3	7.2	-1.2	-.2	-.14
02:00	7.8	3.7	5.9	8.0	4.1	8.5	.6	-.8	-.11
03:00	7.5	3.3	5.4	7.7	3.7	8.1	.1	-.2	-.14
04:00	8.9	3.9	6.7	9.0	4.5	9.6	.6	-1.2	-.10
05:00	8.2	3.8	6.5	8.4	4.2	8.9	1.0	-.8	-.07
06:00	8.7	3.9	6.7	8.9	4.5	9.4	.8	-.8	-.11
07:00	6.5	2.2	4.5	6.6	2.6	7.0	.0	-1.0	-.05
08:00	7.5	3.1	5.3	7.6	3.5	8.1	1.7	-1.2	-.03
09:00	8.2	4.8	7.0	8.4	5.4	9.0	1.7	.4	-.06
10:00	9.3	6.3	8.3	9.6	6.7	10.2	1.0	-.7	-.10
11:00	8.5	5.9	7.6	8.9	6.4	9.5	-.4	-2.3	-.24
12:00	6.2	4.5	5.6	6.6	5.1	7.2	2.0	2.0	-.09
13:00	5.7	4.3	5.6	6.3	4.9	6.8	.2	-.8	-.19
14:00	4.8	4.2	5.0	5.7	4.7	6.2	-2.2	-.6	-.31
15:00	4.9	3.7	5.3	6.3	4.2	6.8	1.8	2.8	-.02
16:00	8.2	5.5	7.4	9.2	5.9	9.7	1.2	1.2	-.02
17:00	1.7	2.8	4.6	5.8	3.2	7.1	-.2	1.3	-.12
18:00	2.3	2.1	2.5	2.8	2.7	3.2	4.5	2.0	.23
19:00	.7	2.9	3.7	4.0	3.3	4.4	.5	2.3	-.07
20:00	4.6	3.4	5.0	6.1	3.9	17.2	1.3	10.3	.07
21:00	3.6	2.0	3.1	4.0	2.5	4.3	1.1	-2.1	.00
22:00	5.6	3.0	4.8	6.3	3.5	6.6	-.6	-.5	-.15
23:00	4.6	2.6	4.0	4.9	2.9	5.2	.8	.5	-.03
Avg	.0	3.6	5.4	6.9	4.1	7.8	.6	.4	-.08
Max	9.3	6.3	8.3	9.6	6.7	17.2	4.5	10.3	.23
Hr. of Max	10	10	10	10	10	20	18	20	18
Min	.7	2.0	2.5	2.8	2.5	3.2	-2.2	-2.3	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2017

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	-.18	7.1	10.3	13.1	10.6	4.7	24.9	24.9
01:00	-.08	8.9	12.6	16.7	13.2	7.2	25.2	24.9
02:00	-.18	8.2	15.1	17.6	15.5	7.4	25.2	24.8
03:00	-.10	8.0	11.4	15.8	16.4	7.3	25.2	24.9
04:00	-.29	10.1	11.7	17.4	17.6	6.7	25.3	24.9
05:00	-.17	11.0	12.4	16.7	15.9	6.2	25.3	24.9
06:00	-.20	14.0	16.9	20.4	14.7	5.7	24.9	24.6
07:00	-.13	5.7	8.9	14.4	11.6	3.8	24.0	24.0
08:00	-.21	8.5	11.2	16.9	18.2	6.0	25.1	24.7
09:00	-.09	14.7	16.9	19.7	17.0	9.5	26.2	25.5
10:00	-.31	20.4	15.8	18.3	17.9	10.3	27.5	26.7
11:00	-.53	14.4	15.1	17.6	17.4	11.8	28.6	27.8
12:00	.03	12.6	15.3	24.7	20.6	17.3	29.6	28.8
13:00	-.25	19.2	18.1	16.7	19.1	13.9	30.2	29.5
14:00	-.25	11.2	11.7	12.8	17.7	17.5	30.8	30.0
15:00	.12	17.4	16.7	19.7	19.6	15.4	29.6	29.2
16:00	.06	18.3	20.6	23.1	19.2	16.5	27.7	27.2
17:00	.54	9.8	16.9	22.0	17.7	17.3	24.3	24.5
18:00	.18	7.6	8.5	8.2	18.4	20.2	24.7	24.2
19:00	-.03	9.6	16.5	15.6	18.2	19.1	24.1	23.7
20:00	6.60	11.4	13.7	14.4	15.5	15.1	23.5	26.2
21:00	-.24	9.6	12.4	14.2	18.4	15.9	23.6	23.2
22:00	-.17	8.7	10.8	12.6	15.1	12.7	23.4	22.9
23:00	.02	9.6	12.4	15.8	13.3	6.0	22.7	22.2
Avg	.17	11.5	13.8	16.9	16.6	11.4	25.9	25.6
Max	6.60	20.4	20.6	24.7	20.6	20.2	30.8	30.0
Hr. of Max	20	10	16	12	12	18	14	14
Min	-.53	5.7	8.5	8.2	10.6	3.8	22.7	22.2
Count	24	24	24	24	24	24	24	24
Total								