Date Printed: 10/15/2016 09:46

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/14/2016

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	15.5	17.0	17.0	17.2	1.52	1.55	1.71	.03	.19
01:00	16.8	17.3	17.2	17.3	.49	.45	.52	-.04	.03
02:00	17.5	17.7	17.6	17.6	.19	.09	.10	-.09	-.09
03:00	17.3	17.4	17.2	17.2	.06	-.09	-.13	-.16	-.20
04:00	16.9	17.1	17.0	17.0	.17	.06	.04	-.11	-.13
05:00	15.9	16.4	16.4	16.4	.45	.42	.45	-.03	.00
06:00	15.2	15.8	15.8	15.8	.62	.64	.70	.02	.08
07:00	15.4	15.7	15.6	15.7	.28	.25	.32	-.02	.05
08:00	16.0	16.0	15.9	15.8	.03	-.10	-.12	-.13	-.15
09:00	17.6	17.2	16.9	16.8	-.38	-.68	-.83	-.29	-.44
10:00	18.5	18.0	17.6	17.5	-.50	-.81	-.99	-.30	-.48
11:00	20.3	19.5	19.2	19.0	-.80	-1.13	-1.27	-.33	-.48
12:00	23.1	22.0	21.7	21.6	-1.06	-1.41	-1.50	-.34	-.44
13:00	25.9	24.7	24.4	24.3	-1.13	-1.49	-1.59	-.35	-.46
14:00	26.6	25.7	25.3	25.2	-.91	-1.28	-1.38	-.36	-.47
15:00	26.6	26.0	25.7	25.5	-.60	-.89	-1.01	-.29	-.41
16:00	25.7	25.2	25.0	24.9	-.44	-.67	-.77	-.23	-.33
17:00	24.9	24.8	24.6	24.5	-.16	-.34	-.40	-.18	-.24
18:00	22.7	23.2	23.7	24.0	.45	.97	1.27	.51	.82
19:00	20.5	21.7	22.5	23.3	1.22	2.00	2.81	.78	1.59
20:00	19.1	21.4	22.4	22.8	2.23	3.29	3.67	1.06	1.44
21:00	18.3	21.0	21.8	22.1	2.70	3.57	3.82	.87	1.12
22:00	17.7	20.9	21.3	21.4	3.19	3.59	3.69	.40	.50
23:00	19.2	20.9	20.9	21.0	1.63	1.72	1.80	.09	.17
Avg	19.7	20.1	20.1	20.2	.39	.40	.45	.02	.07
Max	26.6	26.0	25.7	25.5	3.19	3.59	3.82	1.06	1.59
Hr. of Max	15	15	15	15	22	22	21	20	19
Min	15.2	15.7	15.6	15.7	-1.13	-1.49	-1.59	-.36	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/14/2016

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	12.3	13.2	13.4	20.0	82.6	79.5	10.8	11.4	0.009138
01:00	13.3	13.5	14.4	19.9	81.0	79.6	11.4	11.5	0.009737
02:00	13.4	13.4	14.8	19.8	78.5	77.3	11.5	11.5	0.009858
03:00	13.3	13.3	14.7	19.7	78.5	78.0	11.4	11.4	0.009769
04:00	13.2	13.1	14.4	19.7	79.7	78.8	11.3	11.3	0.009661
05:00	13.0	13.2	14.0	19.7	84.0	82.6	11.3	11.4	0.009556
06:00	12.9	13.1	13.6	19.6	87.5	85.7	11.2	11.4	0.009461
07:00	13.0	13.1	13.8	19.5	87.1	85.9	11.3	11.3	0.009556
08:00	13.1	13.0	14.1	19.4	84.7	84.0	11.4	11.3	0.009634
09:00	13.1	12.8	14.6	19.3	76.2	76.7	11.3	11.1	0.00962
10:00	12.6	12.5	14.6	19.3	70.1	71.5	10.9	10.8	0.009337
11:00	12.3	12.0	15.0	19.4	61.5	63.0	10.7	10.4	0.009179
12:00	11.7	11.3	15.5	19.6	49.9	51.8	10.2	9.9	0.008844
13:00	10.5	10.2	15.6	19.8	39.0	40.9	9.3	9.2	0.008159
14:00	9.8	9.7	15.4	20.2	35.8	37.4	8.9	8.9	0.007833
15:00	10.6	10.4	15.9	20.6	37.8	38.6	9.4	9.3	0.008253
16:00	11.2	11.0	16.0	21.0	41.3	41.8	9.8	9.7	0.00858
17:00	11.3	11.0	15.8	21.2	43.4	43.0	9.8	9.7	0.008609
18:00	12.7	12.0	16.0	21.3	54.3	50.4	10.8	10.3	0.009418
19:00	12.8	12.2	15.4	21.3	62.4	55.7	11.0	10.5	0.009477
20:00	12.6	12.3	14.8	21.3	67.1	57.4	10.9	10.6	0.009355
21:00	12.7	12.2	14.6	21.2	71.2	58.3	11.0	10.5	0.009389
22:00	12.6	12.3	14.3	21.1	73.6	59.1	10.9	10.6	0.009328
23:00	12.6	12.3	14.8	21.0	66.8	59.1	10.9	10.6	0.009331
Avg	12.4	12.2	14.8	20.2	66.4	64.0	10.7	10.6	0.009212
Max	13.4	13.5	16.0	21.3	87.5	85.9	11.5	11.5	0.009858
Hr. of Max	02	01	18	20	06	07	02	02	02
Min	9.8	9.7	13.4	19.3	35.8	37.4	8.9	8.9	0.007833
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/14/2016

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	0.009679	14.4	15.2	.00	29.29	992.0	-2.3	.00	47.4
01:00	0.009861	15.3	15.5	.00	29.29	991.9	-2.5	.00	47.5
02:00	0.009814	15.5	15.4	.00	29.29	992.0	-2.0	.00	61.3
03:00	0.00974	15.3	15.3	.00	29.29	992.0	-2.0	.00	65.5
04:00	0.00966	15.2	15.2	.00	29.30	992.2	-2.7	.00	64.5
05:00	0.009665	15.0	15.2	.00	29.31	992.5	-2.2	.00	54.8
06:00	0.009635	14.9	15.1	.00	29.31	992.7	-2.2	.00	56.0
07:00	0.009594	15.0	15.1	.00	29.33	993.2	.7	.00	47.9
08:00	0.009573	15.2	15.1	.00	29.33	993.3	79.0	.11	52.5
09:00	0.009451	15.1	14.9	.00	29.34	993.4	226.3	.32	68.7
10:00	0.009229	14.7	14.5	.00	29.34	993.5	251.8	.36	80.2
11:00	0.008942	14.4	14.1	.00	29.33	993.4	507.4	.73	101.7
12:00	0.008602	13.9	13.5	.00	29.32	992.9	709.8	1.02	115.0
13:00	0.008004	12.8	12.6	.00	29.29	992.1	592.5	.85	205.8
14:00	0.007769	12.3	12.2	.00	29.27	991.3	514.0	.74	225.6
15:00	0.008139	13.0	12.8	.00	29.26	990.8	268.4	.38	241.2
16:00	0.008464	13.5	13.3	.00	29.27	991.1	146.0	.21	268.9
17:00	0.008462	13.5	13.3	.00	29.27	991.2	78.4	.11	271.1
18:00	0.008988	14.8	14.1	.00	29.27	991.1	22.5	.03	302.5
19:00	0.009117	14.9	14.3	.00	29.27	991.2	-1.1	.00	308.2
20:00	0.009181	14.7	14.4	.00	29.28	991.6	-1.4	.00	246.5
21:00	0.009084	14.8	14.3	.00	29.29	992.0	-2.1	.00	251.4
22:00	0.009145	14.7	14.4	.00	29.30	992.2	-2.9	.00	254.0
23:00	0.009148	14.7	14.4	.00	29.31	992.4	-3.0	.00	245.6
Avg	0.009123	14.5	14.3	.00	29.30	992.2	140.4	.20	33.0
Max	0.009861	15.5	15.5	.00	29.34	993.5	709.8	1.02	308.2
Hr. of Max	01	02	01	23	10	10	12	12	19
Min	0.007769	12.3	12.2	.00	29.26	990.8	-3.0	.00	47.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/14/2016

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	51.5	55.1	51.0	43.2	23.0	11.5	6.6	1.4	3.8
01:00	57.5	58.3	49.9	46.8	24.3	13.1	7.9	1.8	4.0
02:00	59.6	54.9	62.5	43.4	22.2	15.9	11.6	2.4	4.5
03:00	60.6	57.6	66.9	46.2	23.7	15.7	10.7	3.5	6.4
04:00	59.6	55.4	68.0	43.8	23.2	16.7	10.5	2.7	4.9
05:00	59.5	61.5	57.9	50.2	20.9	11.7	8.7	2.6	5.2
06:00	60.3	58.9	58.7	47.7	20.5	10.2	5.9	2.7	5.7
07:00	54.9	60.3	50.4	49.1	24.9	11.4	7.3	2.0	4.9
08:00	54.1	58.8	54.8	47.6	23.2	13.7	10.0	2.3	4.5
09:00	61.1	60.4	71.1	49.8	32.6	22.4	17.1	3.0	4.8
10:00	76.4	73.6	81.1	62.2	22.6	17.6	14.2	4.6	5.4
11:00	94.5	94.4	105.8 +	83.2	41.4	34.4	31.5	2.2	2.2
12:00	128.7	142.3	120.3	135.5	50.0	41.5	45.2	1.7	1.8
13:00	217.4	215.7	210.1	209.9	43.1	39.0	33.2	3.5	4.6
14:00	234.7	236.0	230.2 +	228.2	48.0	38.6	34.1	3.1	4.0
15:00	248.6	247.4	247.5	240.5	23.9	18.9	17.0	5.2	6.8
16:00	269.4	265.4	272.0	258.3	23.1	18.5	15.7	3.7	5.1
17:00	271.6	267.8	273.0	260.3	25.3	19.8	16.6	1.8	3.1
18:00	214.9	180.3	291.5	203.7	44.4	72.2	49.6	.6	.1
19:00	143.7	186.6	304.6	192.0	25.3	43.3	16.3	.6	.2
20:00	217.5	203.3	249.7	197.2	39.4	31.0	22.4	1.0	3.2
21:00	225.5	206.8	255.7	201.1	30.6	9.8	7.5	1.0	3.3
22:00	221.6	202.9	256.3	196.6	18.2	13.9	11.6	2.1	3.8
23:00	224.4	203.7	251.1	197.6	21.7	16.3	15.3	2.3	3.8
Avg	109.0	119.0	31.0	109.0	29.0	23.2	17.8	.0	.0
Max	271.6	267.8	304.6	260.3	50.0	72.2	49.6	5.2	6.8
Hr. of Max	17	17	19	17	12	18	18	15	15
Min	51.5	54.9	49.9	43.2	18.2	9.8	5.9	.6	.1
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)

10/14/2016

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	5.8	1.6	3.9	5.8	1.9	6.1	-2.1	-1.1	-.12
01:00	5.9	1.9	4.1	5.9	2.3	6.2	-4.1	-.4	-.23
02:00	6.1	2.6	4.7	6.2	2.7	6.5	-3.4	.5	-.26
03:00	8.6	3.8	6.6	8.8	4.1	9.2	-.5	.4	-.19
04:00	6.9	2.9	5.1	7.0	3.4	7.3	-2.0	.3	-.23
05:00	7.2	2.8	5.3	7.3	3.0	7.6	-3.7	-.3	-.30
06:00	7.9	2.8	5.8	7.9	3.0	8.2	-1.8	-.8	-.22
07:00	6.8	2.2	5.1	6.9	2.6	7.1	-3.6	-.8	-.27
08:00	5.9	2.5	4.6	6.0	2.7	6.3	-3.7	.8	-.29
09:00	6.0	3.4	5.1	6.3	3.9	6.7	-.9	5.0	-.19
10:00	6.2	4.9	5.7	6.3	5.2	6.7	-1.3	-1.0	-.19
11:00	2.2	2.5	2.4	2.6	3.1	3.2	-3.5	-9.2	-.12
12:00	1.8	3.3	3.4	3.3	4.0	4.0	2.6	-2.4	.15
13:00	5.5	4.2	5.2	6.1	4.8	6.7	-.7	-.9	-.13
14:00	5.0	4.0	4.7	5.7	4.6	6.3	1.3	-.9	-.09
15:00	7.8	5.8	7.5	8.4	6.5	9.0	-1.2	-.6	-.34
16:00	6.3	4.0	5.4	6.5	4.4	6.9	-.9	.1	-.25
17:00	4.3	2.0	3.3	4.5	2.5	4.7	.7	.4	-.12
18:00	.3	.8	.3	.5	1.1	.9	2.2	-1.6	.03
19:00	1.6	.7	.4	1.7	.9	2.1	1.7	-.8	.02
20:00	5.2	1.9	4.0	5.7	2.2	6.0	-1.1	-.1	-.05
21:00	5.0	1.1	3.4	5.1	1.5	5.4	2.6	-.9	.03
22:00	5.3	2.3	3.9	5.4	2.6	5.7	-1.5	-1.6	-.08
23:00	4.8	2.5	3.9	5.0	2.8	5.3	-1.2	-1.6	-.11
Avg	.0	2.8	4.3	5.6	3.2	6.0	-1.1	-.7	-.15
Max	8.6	5.8	7.5	8.8	6.5	9.2	2.6	5.0	.15
Hr. of Max	03	15	15	03	15	03	21	09	12
Min	.3	.7	.3	.5	.9	.9	-4.1	-9.2	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.11	4.6	9.6	10.3	14.6	4.6	17.9	17.8
01:00	-.08	5.0	8.9	9.8	17.7	6.6	18.2	17.9
02:00	.01	7.1	10.5	11.7	18.1	8.9	18.6	18.1
03:00	-.02	9.4	13.3	14.7	19.3	8.6	18.3	17.8
04:00	-.06	7.8	12.1	16.0	18.5	9.2	18.0	17.5
05:00	-.09	6.9	10.3	14.7	16.9	6.4	17.3	17.0
06:00	-.15	7.3	12.4	16.5	17.4	5.2	16.7	16.4
07:00	-.12	11.4	14.9	19.5	19.1	5.4	16.6	16.3
08:00	-.03	6.6	8.9	16.9	19.0	10.0	16.9	16.4
09:00	.39	9.2	12.4	13.1	21.9	16.1	18.2	17.3
10:00	-.19	10.3	11.9	11.4	15.5	12.6	18.8	18.0
11:00	-.33	11.2	7.6	7.6	28.8	30.5	20.3	19.6
12:00	-.16	11.7	12.4	12.4	23.8	30.3	22.7	21.9
13:00	-.36	19.0	17.9	20.6	22.4	22.9	25.1	24.2
14:00	-.34	11.9	12.1	14.9	23.3	21.6	26.0	25.1
15:00	-.31	13.3	16.0	14.4	16.8	12.6	26.3	25.5
16:00	-.16	11.2	12.6	12.8	17.8	12.1	25.8	25.0
17:00	-.07	5.7	9.4	9.6	19.7	10.0	25.3	24.7
18:00	-.04	2.7	3.9	2.3	11.5	14.7	23.8	24.2
19:00	-.02	1.8	2.3	5.5	9.2	11.5	22.4	23.7
20:00	-.05	5.5	8.9	11.4	11.5	5.8	22.0	23.2
21:00	-.11	8.7	10.5	12.6	10.9	5.1	21.6	22.5
22:00	-.21	7.1	10.8	11.2	11.2	8.4	21.5	21.8
23:00	-.20	6.2	8.7	9.8	14.5	10.7	21.6	21.5
Avg	-.12	8.4	10.8	12.5	17.5	12.1	20.8	20.6
Max	.39	19.0	17.9	20.6	28.8	30.5	26.3	25.5
Hr. of Max	09	13	13	13	11	11	15	15
Min	-.36	1.8	2.3	2.3	9.2	4.6	16.6	16.3
Count	24	24	24	24	24	24	24	24
Total								