Date Printed: 08/10/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2016

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	23.8	24.1	24.3	24.8	.36	.57	1.07	.21	.71
01:00	23.6	24.2	24.4	24.7	.62	.81	1.10	.19	.48
02:00	23.6	24.1	24.1	24.3	.50	.53	.68	.04	.18
03:00	23.4	23.9	23.9	24.1	.49	.55	.71	.07	.22
04:00	23.6	23.9	23.9	24.0	.22	.24	.37	.01	.14
05:00	23.9	24.0	23.9	23.9	.09	.03	.08	-.06	-.01
06:00	23.7	23.7	23.7	23.7	.05	.00	.05	-.05	.00
07:00	23.8	23.8	23.8	23.8	.02	-.02	.01	-.04	-.01
08:00	25.1	24.8	24.6	24.5	-.32	-.54	-.60	-.22	-.29
09:00	26.8	26.3	26.0	25.8	-.45	-.75	-.92	-.30	-.48
10:00	28.1	27.3	27.0	26.8	-.80	-1.13	-1.29	-.33	-.49
11:00	29.7	28.8	28.4	28.3	-.88	-1.22	-1.33	-.34	-.45
12:00	30.7	29.8	29.5	29.4	-.87	-1.21	-1.34	-.34	-.47
13:00	31.0	30.2	29.8	29.6	-.85	-1.22	-1.40	-.37	-.56
14:00	31.5	30.7	30.4	30.3	-.85	-1.15	-1.21	-.30	-.36
15:00	32.4	31.6	31.3	31.2	-.84	-1.12	-1.22	-.29	-.38
16:00	32.6	31.7	31.4	31.3	-.86	-1.21	-1.34	-.35	-.48
17:00	32.5	31.8	31.5	31.3	-.70	-1.01	-1.20	-.31	-.50
18:00	31.8	31.4	31.2	31.1	-.38	-.61	-.67	-.23	-.29
19:00	29.1	29.4	29.7	30.2	.30	.56	1.14	.26	.84
20:00	26.3	27.5	28.5	29.1	1.17	2.16	2.81	.99	1.64
21:00	25.1	26.3	27.1	27.6	1.21	1.96	2.48	.75	1.27
22:00	25.4	27.7	28.0	28.1	2.28	2.59	2.72	.32	.44
23:00	24.5	26.9	27.6	27.8	2.43	3.13	3.25	.69	.82
Avg	27.2	27.2	27.3	27.3	.08	.08	.16	.00	.08
Max	32.6	31.8	31.5	31.3	2.43	3.13	3.25	.99	1.64
Hr. of Max	16	17	17	17	23	23	23	20	20
Min	23.4	23.7	23.7	23.7	-.88	-1.22	-1.40	-.37	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2016

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	22.4	23.1	22.8	28.3	94.4	97.0	19.8	20.7	0.017618
01:00	22.2	22.8	22.7	28.1	94.8	94.8	19.6	20.3	0.017477
02:00	22.2	22.5	22.6	27.9	94.4	93.3	19.5	19.9	0.017394
03:00	21.9	22.3	22.4	27.8	94.2	93.4	19.3	19.7	0.017144
04:00	22.0	22.1	22.5	27.6	93.1	92.5	19.4	19.5	0.017224
05:00	22.0	22.1	22.6	27.4	91.9	92.0	19.4	19.5	0.017237
06:00	22.1	22.2	22.6	27.3	93.3	93.7	19.5	19.6	0.017304
07:00	22.0	22.1	22.6	27.2	92.4	92.4	19.4	19.4	0.017248
08:00	22.2	21.9	23.2	27.1	86.6	86.6	19.5	19.2	0.017439
09:00	21.5	21.0	23.3	27.0	75.3	74.7	18.7	18.1	0.016741
10:00	21.4	20.8	23.6	27.1	68.9	69.7	18.4	17.8	0.016573
11:00	20.9	20.2	23.8	27.2	61.3	61.6	17.8	17.1	0.016124
12:00	20.3	19.8	23.7	27.5	55.4	56.7	17.1	16.7	0.0155
13:00	20.7	20.2	24.2	27.9	56.0	56.7	17.6	17.0	0.015971
14:00	21.1	20.5	24.5	28.3	55.8	56.7	17.9	17.4	0.016336
15:00	20.0	19.5	24.1	28.6	49.5	50.4	16.7	16.3	0.01527
16:00	19.9	19.3	24.1	28.8	48.7	49.3	16.6	16.1	0.015204
17:00	20.2	19.7	24.3	29.1	50.2	50.5	17.0	16.5	0.015544
18:00	20.7	20.2	24.4	29.3	53.6	53.2	17.5	17.0	0.015963
19:00	22.2	21.4	24.5	29.4	68.8	64.4	19.3	18.4	0.017495
20:00	21.9	21.9	23.4	29.4	79.0	73.7	19.1	19.0	0.017104
21:00	21.7	21.5	22.8	29.2	83.6	76.9	18.9	18.6	0.016871
22:00	21.4	20.4	22.7	29.0	81.0	66.8	18.6	17.4	0.016557
23:00	20.7	19.4	22.0	28.8	81.7	65.1	17.9	16.4	0.015864
Avg	21.4	21.1	23.3	28.1	75.2	73.4	18.5	18.2	0.016633
Max	22.4	23.1	24.5	29.4	94.8	97.0	19.8	20.7	0.017618
Hr. of Max	00	00	19	20	01	00	00	00	00
Min	19.9	19.3	22.0	27.0	48.7	49.3	16.6	16.1	0.015204
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2016

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	0.018482	27.1	28.4	.00	29.05	983.8	-2.7	.00	333.9
01:00	0.018139	26.9	27.9	.00	29.05	983.9	-2.1	.00	36.8
02:00	0.017728	26.8	27.3	.00	29.05	983.9	-2.6	.00	48.0
03:00	0.017506	26.4	26.9	.00	29.06	984.1	-2.7	.00	41.0
04:00	0.017342	26.5	26.7	.00	29.06	984.3	-1.8	.00	29.3
05:00	0.017349	26.5	26.7	.00	29.07	984.5	-1.7	.00	47.9
06:00	0.017422	26.7	26.8	.00	29.08	985.0	-1.0	.00	56.5
07:00	0.017267	26.6	26.6	.00	29.10	985.4	31.0	.04	39.3
08:00	0.017115	26.9	26.4	.00	29.12	986.0	219.3	.31	38.2
09:00	0.016164	25.9	25.0	.00	29.13	986.5	410.7	.59	89.3
10:00	0.015997	25.6	24.7	.00	29.13	986.6	648.3	.93	65.1
11:00	0.015396	24.9	23.8	.00	29.13	986.6	720.3	1.03	109.6
12:00	0.015072	24.0	23.3	.00	29.13	986.4	688.9	.99	117.0
13:00	0.015396	24.7	23.8	.00	29.12	986.1	628.7	.90	91.1
14:00	0.015789	25.2	24.4	.00	29.11	985.7	736.5	1.06	201.6
15:00	0.01482	23.6	22.9	.00	29.09	985.2	657.7	.94	158.7
16:00	0.014658	23.5	22.7	.00	29.07	984.6	649.3	.93	174.4
17:00	0.015022	24.0	23.2	.00	29.07	984.4	414.0	.59	178.4
18:00	0.015513	24.6	24.0	.00	29.07	984.5	236.1	.34	228.2
19:00	0.016676	26.9	25.7	.00	29.09	985.0	57.1	.08	250.5
20:00	0.017095	26.4	26.4	.00	29.10	985.4	5.3	.01	266.2
21:00	0.016681	26.0	25.7	.00	29.11	985.7	-2.3	.00	333.0
22:00	0.015617	25.6	24.2	.00	29.14	986.8	-2.1	.00	16.5
23:00	0.014598	24.6	22.6	.00	29.16	987.5	-2.3	.00	269.4
Avg	0.016369	25.7	25.3	.00	29.10	985.3	253.4	.36	60.0
Max	0.018482	27.1	28.4	.00	29.16	987.5	736.5	1.06	333.9
Hr. of Max	00	00	00	23	23	23	14	14	00
Min	0.014598	23.5	22.6	.00	29.05	983.8	-2.7	.00	16.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2016

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	8.7	29.6	317.7	10.5	38.2	41.1	34.6	.6	.8
01:00	68.9	67.8	35.5	55.5	40.3	14.4	12.5	1.4	2.2
02:00	58.6	63.8	49.8	52.3	19.0	12.3	8.3	1.9	3.8
03:00	61.0	70.9	43.0	59.2	19.0	13.4	9.3	1.8	2.9
04:00	49.0	68.3	29.1	56.6	20.3	15.2	11.2	2.0	3.2
05:00	54.6	59.7	50.5	47.5	34.1	18.2	15.2	1.8	3.7
06:00	57.5	57.9	58.4	45.7	27.7	19.4	15.1	1.7	3.9
07:00	63.5	72.1	40.2	59.9	26.2	19.6	13.9	1.5	2.6
08:00	47.1	58.8	38.8	46.1	36.8	18.0	13.3	1.7	3.7
09:00	81.9	74.2	90.4	62.6	27.9	29.5	26.4	3.5	4.2
10:00	61.6	62.2	72.1	48.4	59.7	46.2	34.8	1.4	1.8
11:00	118.5	123.7	108.9	114.2	48.9	38.5	28.0	3.0	3.4
12:00	122.2	124.0	119.1	113.3	29.3	24.2	22.9	4.6	5.1
13:00	92.7	92.8	93.3	81.5	30.5	26.8	25.0	3.7	4.8
14:00	205.7	194.1	208.2	187.8	36.2	31.0	28.7	2.3	2.9
15:00	165.5	165.1	163.8	157.9	40.4	31.7	27.7	4.2	5.5
16:00	179.2	177.4	180.6	170.8	33.7	28.2	23.5	4.6	6.1
17:00	194.0	190.6	184.2	184.1	36.1	31.1	29.1	3.2	3.6
18:00	230.2	222.8	231.2	217.4	36.1	30.1	22.3	2.6	3.7
19:00	237.0	223.1	252.6	217.5	17.4	8.7	7.6	1.6	2.9
20:00	241.3	231.5	267.4	225.7	23.1	12.1	11.2	1.6	2.8
21:00	99.5	154.4	324.5	170.5	69.7	43.8	23.5	.4	.8
22:00	105.1	127.2	12.8 +	120.0	61.4	60.3	44.3	.4	1.2
23:00	230.1	190.4	271.9	184.7	27.6	31.6	30.9	1.7	2.2
Avg	100.0	113.0	60.0	103.0	35.0	26.9	21.6	.0	.0
Max	241.3	231.5	324.5	225.7	69.7	60.3	44.3	4.6	6.1
Hr. of Max	20	20	21	20	21	22	22	16	16
Min	8.7	29.6	12.8	10.5	17.4	8.7	7.6	.4	.8
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)

8/9/2016

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	.8	1.4	2.2	2.6	1.7	2.8	.1	-.8	-.07
01:00	3.4	1.6	2.3	3.6	1.9	3.8	-2.1	-.8	-.09
02:00	5.3	2.1	3.9	5.3	2.3	5.6	-5.8	.0	-.27
03:00	4.4	1.9	3.0	4.4	2.0	4.7	-4.6	-.2	-.20
04:00	4.0	2.2	3.3	4.1	2.4	4.2	-7.9	-1.1	-.36
05:00	4.8	2.1	3.9	5.0	2.4	5.2	-4.1	.0	-.23
06:00	5.1	1.9	4.1	5.3	2.3	5.5	-1.6	1.8	-.18
07:00	3.6	1.7	2.7	3.7	2.0	4.0	-3.7	.7	-.20
08:00	4.3	2.0	3.9	4.5	2.4	4.7	-5.5	.7	-.36
09:00	4.8	3.9	4.7	5.3	4.5	5.8	3.0	9.6	.13
10:00	2.1	2.5	2.6	2.9	3.1	3.5	2.5	5.8	.11
11:00	3.8	3.7	3.8	4.2	4.4	4.8	.5	-6.2	-.04
12:00	5.9	5.0	5.5	6.3	5.8	7.0	2.5	2.5	.17
13:00	5.4	4.2	5.2	5.8	4.7	6.3	1.2	.7	-.04
14:00	3.5	4.1	4.9	5.3	4.7	5.8	.8	.7	-.04
15:00	6.8	5.1	6.2	7.4	6.0	8.0	3.4	2.0	.19
16:00	7.3	5.5	6.8	7.8	6.2	8.3	2.2	.0	.13
17:00	4.1	3.8	4.3	4.8	4.4	5.3	.5	.5	-.07
18:00	4.9	3.1	4.1	5.1	3.7	5.5	.9	4.0	-.04
19:00	4.6	1.6	3.0	4.6	2.0	4.9	-.6	-1.1	-.05
20:00	4.3	1.9	2.9	4.4	2.2	4.7	-1.1	1.1	-.05
21:00	.9	1.2	1.4	1.8	1.4	2.1	1.7	.9	.05
22:00	2.8	1.3	2.0	3.5	1.8	4.1	2.8	-.2	.09
23:00	2.8	1.9	2.4	3.2	2.1	3.6	1.5	1.2	.04
Avg	.0	2.7	3.7	4.6	3.2	5.0	-.6	.9	-.06
Max	7.3	5.5	6.8	7.8	6.2	8.3	3.4	9.6	.19
Hr. of Max	16	16	16	16	16	16	15	09	15
Min	.8	1.2	1.4	1.8	1.4	2.1	-7.9	-6.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2016

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	6.2	5.5	7.3	12.8	5.6	26.1	26.5
01:00	-.04	6.0	6.4	7.1	11.9	5.1	26.1	26.2
02:00	-.04	5.3	7.1	8.7	12.5	6.0	25.9	25.8
03:00	-.02	5.5	5.0	7.8	11.9	6.8	25.7	25.6
04:00	-.11	4.8	7.1	7.6	9.7	7.7	25.7	25.5
05:00	-.04	5.3	7.8	8.9	17.1	8.4	25.8	25.4
06:00	.12	5.0	8.0	8.7	20.2	7.8	25.5	25.2
07:00	.00	4.4	6.4	10.8	17.4	10.1	25.6	25.3
08:00	.02	8.2	10.1	9.4	22.8	10.5	26.6	25.9
09:00	.83	9.4	11.0	14.0	19.2	19.3	28.0	27.2
10:00	.37	6.4	7.1	7.3	26.5	29.3	29.0	28.2
11:00	-.41	12.4	14.7	14.2	23.4	25.3	30.3	29.5
12:00	.23	12.4	12.6	19.7	17.8	18.0	31.2	30.3
13:00	-.03	11.4	12.1	14.9	19.2	18.7	31.6	30.7
14:00	.03	11.4	14.9	17.4	19.6	18.7	32.0	31.2
15:00	-.20	14.4	18.8	21.1	21.2	20.0	32.7	31.9
16:00	-.24	14.2	19.9	19.0	17.0	17.4	32.8	32.0
17:00	-.09	9.2	10.8	10.8	20.5	19.0	33.0	32.2
18:00	.29	9.8	11.9	12.8	16.6	14.6	32.7	32.1
19:00	-.10	3.4	7.6	9.8	8.1	3.7	30.9	31.4
20:00	.07	5.7	7.1	9.8	6.1	2.7	29.1	30.4
21:00	.07	6.0	7.1	9.2	9.3	8.3	27.9	29.0
22:00	-.25	5.0	8.7	11.7	23.3	25.0	29.1	29.2
23:00	.03	4.4	5.7	8.9	13.1	17.3	28.0	28.8
Avg	.02	7.8	9.7	11.5	16.6	13.6	28.8	28.6
Max	.83	14.4	19.9	21.1	26.5	29.3	33.0	32.2
Hr. of Max	09	15	16	15	10	10	17	17
Min	-.41	3.4	5.0	7.1	6.1	2.7	25.5	25.2
Count	24	24	24	24	24	24	24	24
Total								