Date Printed: 09/27/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2016

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	20.3	21.5	22.1	23.4	1.26	1.78	3.07	.52	1.81
01:00	20.2	21.4	21.9	23.1	1.18	1.75	2.91	.58	1.73
02:00	19.6	20.8	21.5	22.2	1.21	1.84	2.61	.63	1.40
03:00	19.1	20.5	21.1	22.8	1.40	2.01	3.68	.61	2.28
04:00	18.8	20.2	22.3	23.0	1.43	3.49	4.21	2.06	2.78
05:00	18.5	20.1	21.5	22.2	1.66	3.01	3.71	1.34	2.05
06:00	18.3	19.7	20.7	21.4	1.36	2.36	3.05	1.00	1.69
07:00	18.2	19.6	20.3	20.9	1.34	2.03	2.71	.69	1.37
08:00	20.2	20.4	21.0	21.9	.26	.78	1.74	.52	1.48
09:00	23.7	23.2	23.0	23.1	-.50	-.74	-.68	-.23	-.18
10:00	24.5	24.0	23.8	23.7	-.47	-.74	-.82	-.27	-.35
11:00	26.1	25.4	25.1	24.9	-.77	-1.07	-1.18	-.30	-.42
12:00	27.8	26.9	26.6	26.5	-.89	-1.21	-1.33	-.32	-.44
13:00	28.8	27.5	27.1	27.0	-1.28	-1.64	-1.77	-.36	-.49
14:00	28.7	27.8	27.5	27.4	-.83	-1.13	-1.28	-.30	-.45
15:00	23.4	23.1	23.0	23.2	-.26	-.32	-.17	-.06	.09
16:00	23.8	23.4	23.2	23.2	-.37	-.58	-.54	-.22	-.18
17:00	23.3	23.0	22.8	22.7	-.27	-.48	-.55	-.22	-.29
18:00	22.9	22.6	22.4	22.3	-.28	-.49	-.56	-.21	-.28
19:00	22.0	21.9	21.8	21.8	-.06	-.14	-.16	-.08	-.10
20:00	21.0	21.2	21.3	21.4	.23	.37	.44	.14	.21
21:00	20.7	20.9	21.2	21.3	.28	.53	.69	.25	.41
22:00	20.5	20.7	21.0	21.1	.17	.50	.62	.33	.45
23:00	20.2	20.3	20.4	20.6	.05	.19	.40	.14	.35
Avg	22.1	22.3	22.6	23.0	.24	.50	.87	.26	.62
Max	28.8	27.8	27.5	27.4	1.66	3.49	4.21	2.06	2.78
Hr. of Max	13	14	14	14	05	04	04	04	04
Min	18.2	19.6	20.3	20.6	-1.28	-1.64	-1.77	-.36	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2016

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	17.6	18.1	18.5	26.2	86.2	82.5	14.9	15.3	0.012966
01:00	17.7	18.2	18.5	26.0	87.5	84.0	15.0	15.4	0.013084
02:00	17.5	18.2	18.2	25.8	89.6	87.0	14.9	15.5	0.012941
03:00	17.4	18.4	17.9	25.6	91.4	89.8	14.7	15.7	0.012791
04:00	17.2	17.8	17.7	25.4	92.2	88.0	14.6	15.1	0.01264
05:00	16.9	17.4	17.4	25.2	92.5	86.2	14.3	14.7	0.012422
06:00	16.8	17.5	17.3	25.0	92.9	89.2	14.3	14.9	0.012368
07:00	16.8	17.8	17.3	24.9	93.2	91.6	14.3	15.1	0.012337
08:00	17.8	17.7	18.6	24.7	88.2	86.2	15.1	15.0	0.013168
09:00	18.1	17.4	19.9	24.5	72.4	71.3	15.2	14.6	0.013402
10:00	17.7	17.5	20.0	24.5	67.6	68.4	14.9	14.6	0.013129
11:00	18.0	17.7	20.7	24.6	62.8	64.4	15.1	14.8	0.01341
12:00	18.2	17.9	21.4	24.7	57.3	59.3	15.1	14.9	0.013532
13:00	18.3	18.1	21.8	25.0	54.9	58.1	15.3	15.1	0.013697
14:00	17.4	17.3	21.1	25.3	51.9	54.3	14.4	14.4	0.012903
15:00	18.9	18.6	20.4	25.6	79.0	78.3	16.1	15.7	0.014212
16:00	20.9	20.6	21.9	25.7	86.4	86.4	18.1	17.8	0.016102
17:00	20.2	19.9	21.2	25.8	84.6	84.6	17.3	17.1	0.015332
18:00	19.8	19.6	20.8	25.8	84.7	85.5	16.9	16.8	0.01494
19:00	19.4	19.4	20.2	25.8	87.4	87.7	16.6	16.6	0.014588
20:00	19.5	19.5	20.0	25.7	93.6	92.0	16.8	16.7	0.014696
21:00	19.4	19.2	19.8	25.6	94.6	92.1	16.6	16.5	0.014575
22:00	19.2	19.2	19.7	25.4	94.5	93.0	16.5	16.4	0.014441
23:00	19.1	19.3	19.5	25.3	95.3	96.2	16.4	16.6	0.0143
Avg	18.3	18.4	19.6	25.3	82.5	81.5	15.6	15.6	0.013666
Max	20.9	20.6	21.9	26.2	95.3	96.2	18.1	17.8	0.016102
Hr. of Max	16	16	16	00	23	23	16	16	16
Min	16.8	17.3	17.3	24.5	51.9	54.3	14.3	14.4	0.012337
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)

9/26/2016

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	0.013404	20.1	20.8	.00	29.13	986.6	-2.8	.00	249.6
01:00	0.0135	20.3	21.0	.00	29.14	986.7	-1.8	.00	351.2
02:00	0.013544	20.1	21.0	.00	29.13	986.5	-1.9	.00	271.7
03:00	0.013701	19.9	21.3	.00	29.12	986.1	-2.5	.00	358.6
04:00	0.013183	19.6	20.5	.00	29.11	986.0	-2.4	.00	254.2
05:00	0.012837	19.3	19.9	.00	29.11	985.8	-2.7	.00	245.6
06:00	0.012928	19.2	20.1	.00	29.12	986.2	-2.2	.00	250.8
07:00	0.01317	19.2	20.5	.00	29.13	986.6	11.0	.02	294.1
08:00	0.013077	20.5	20.3	.00	29.14	986.9	144.6	.21	227.0
09:00	0.012819	20.8	19.9	.00	29.15	987.1	334.3	.48	213.4
10:00	0.012908	20.4	20.1	.00	29.16	987.5	204.6	.29	234.4
11:00	0.013148	20.8	20.4	.00	29.16	987.6	469.0	.67	248.2
12:00	0.013302	21.0	20.7	.00	29.15	987.2	492.8	.71	246.1
13:00	0.013477	21.3	20.9	.00	29.12	986.3	642.1	.92	270.0
14:00	0.012868	20.0	20.0	.00	29.10	985.5	388.7	.56	254.3
15:00	0.013888	22.0	21.5	.11	29.11	985.7	156.3	.22	268.8
16:00	0.015733	24.9	24.3	.00	29.10	985.5	244.2	.35	158.9
17:00	0.015074	23.7	23.3	.00	29.10	985.6	174.6	.25	175.0
18:00	0.014822	23.1	22.9	.00	29.10	985.5	87.9	.13	207.1
19:00	0.01458	22.6	22.6	.00	29.11	985.7	6.5	.01	222.9
20:00	0.014649	22.8	22.7	.00	29.11	985.8	-2.3	.00	271.4
21:00	0.014418	22.6	22.3	.00	29.12	986.0	-2.2	.00	257.9
22:00	0.014359	22.4	22.2	.00	29.11	985.9	-2.3	.00	260.1
23:00	0.014486	22.2	22.4	.00	29.11	986.0	-2.3	.00	226.0
Avg	0.013745	21.2	21.3	.00	29.12	986.3	138.8	.20	248.0
Max	0.015733	24.9	24.3	.11	29.16	987.6	642.1	.92	358.6
Hr. of Max	16	16	16	15	11	11	13	13	03
Min	0.012819	19.2	19.9	.00	29.10	985.5	-2.8	.00	158.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2016

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	232.2	242.1	252.2	236.8	12.3	5.9	12.6	1.7	3.8
01:00	289.9	189.6	356.6	227.8	45.1	50.5	33.6	.6	.5
02:00	50.3	93.4	263.9	71.3	50.0	32.2	35.2	.5	.9
03:00	49.4	178.8	24.9	180.8	43.7	32.7	17.8	.4	1.0
04:00	248.6	227.7	255.7	221.5	20.1	24.8	10.6	1.3	2.4
05:00	230.3	251.3	245.2	244.7	37.7	21.7	15.5	1.7	2.9
06:00	228.5	254.8	253.7	248.3	31.1	38.9	25.0	1.0	1.7
07:00	164.1	266.0	270.9	261.3	52.7	57.9	37.4	.3	.1
08:00	219.3	260.6	231.8	254.9	29.8	21.0	15.0	1.3	2.2
09:00	235.8	240.5	219.1	234.0	23.1	22.6	16.7	2.8	3.7
10:00	243.7	243.7	239.6	237.7	23.1	17.8	14.1	3.0	4.0
11:00	260.3	265.3	256.7	257.4	39.1	34.3	26.4	2.8	3.7
12:00	247.3	244.2	251.6	237.5	30.2	23.8	18.4	4.5	6.3
13:00	276.3	273.6	274.1	265.2	30.5	25.1	21.8	4.6	6.0
14:00	260.3	259.0	259.0	251.6	30.7	23.2	20.6	7.4	10.2
15:00	274.5	264.8	270.3	256.8	46.2	34.5	34.8	1.4	2.1
16:00	128.5	145.2	162.6	146.7	49.8	55.0	49.9	.7	.6
17:00	178.8	174.9	180.0	169.3	25.6	21.1	15.9	3.6	4.8
18:00	206.4	196.6	211.1	191.6	46.4	38.5	31.5	1.8	2.4
19:00	219.3	210.6	224.2	204.9	19.0	18.1	14.8	1.7	2.7
20:00	223.3	214.5	265.0	210.8	25.9	23.0	19.4	.5	1.2
21:00	223.4	213.2	256.1	210.0	38.8	26.7	15.9	.7	1.2
22:00	237.4	215.5	259.6	213.9	53.7	30.4	12.7	1.0	1.6
23:00	251.8	245.9	231.5	239.9	28.8	13.5	9.4	1.1	2.1
Avg	233.0	229.0	249.0	226.0	34.7	28.9	21.9	.0	.0
Max	289.9	273.6	356.6	265.2	53.7	57.9	49.9	7.4	10.2
Hr. of Max	01	13	01	13	22	07	16	14	14
Min	49.4	93.4	24.9	71.3	12.3	5.9	9.4	.3	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2016

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	2.4	1.7	3.8	2.5	2.1	2.7	-.1	1.8	-.03
01:00	.3	.9	1.2	1.8	1.2	2.1	3.3	.0	.08
02:00	.6	.6	1.1	.9	1.1	1.2	.4	-.8	.00
03:00	2.3	.6	1.2	2.4	.9	2.7	1.8	-1.0	.04
04:00	4.5	1.5	2.6	4.8	1.9	5.1	1.7	.7	.04
05:00	4.4	1.9	3.2	4.7	2.3	5.0	-.5	1.3	-.03
06:00	2.8	1.4	2.1	3.4	1.8	3.5	1.9	.4	.05
07:00	1.4	.5	.7	1.6	.8	1.8	1.2	1.1	.01
08:00	3.6	1.5	2.4	3.7	1.9	3.8	-.9	.9	-.05
09:00	5.1	3.1	4.0	5.4	3.5	5.8	1.5	-.3	-.07
10:00	4.8	3.4	4.3	5.0	4.0	5.4	-1.0	-2.1	-.18
11:00	4.3	3.8	4.8	5.5	4.2	5.9	-1.0	-.8	-.30
12:00	7.3	5.1	6.9	7.7	5.7	8.3	-.8	-2.0	-.27
13:00	6.7	5.2	6.5	7.2	5.8	7.6	-2.0	.0	-.37
14:00	12.0	8.3	11.1	13.2	9.2	14.0	-.3	-.5	-.48
15:00	2.4	3.1	4.4	5.4	3.6	6.0	-1.1	1.3	-.24
16:00	.5	1.3	1.3	1.5	1.7	1.8	7.7	3.1	.28
17:00	6.2	4.0	5.2	6.6	4.5	6.9	3.5	2.0	.15
18:00	3.2	2.2	2.8	3.6	2.6	3.9	1.9	1.6	.04
19:00	3.7	1.9	3.0	4.1	2.5	4.3	1.3	.6	-.05
20:00	2.1	.8	1.7	2.3	1.2	2.5	.4	-1.3	.01
21:00	2.4	1.0	1.6	2.6	1.3	2.8	.1	-.2	.00
22:00	2.2	1.2	1.7	2.3	1.6	2.6	.1	-1.5	-.02
23:00	3.2	1.3	2.2	3.3	1.6	3.6	1.4	.1	.00
Avg	.0	2.3	3.3	4.2	2.8	4.6	.9	.2	-.06
Max	12.0	8.3	11.1	13.2	9.2	14.0	7.7	3.1	.28
Hr. of Max	14	14	14	14	14	14	16	16	16
Min	.3	.5	.7	.9	.8	1.2	-2.0	-2.1	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2016

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	.09	3.9	5.5	4.1	6.0	3.5	22.8	24.4
01:00	.03	4.4	5.7	5.7	11.4	5.5	22.6	24.2
02:00	.00	3.0	4.4	6.6	10.0	11.6	22.2	23.3
03:00	-.07	3.4	3.7	7.1	15.7	12.6	21.8	23.9
04:00	.05	3.4	5.0	12.4	8.2	4.9	21.4	23.9
05:00	.10	4.1	6.2	8.2	9.6	6.3	21.3	23.1
06:00	.02	5.5	8.9	11.9	9.3	8.0	20.9	22.4
07:00	.02	2.7	2.1	5.0	8.7	12.2	20.8	22.0
08:00	.06	3.4	5.0	7.3	9.1	7.5	21.7	22.8
09:00	-.12	9.2	9.8	11.2	19.4	13.3	24.3	23.7
10:00	-.29	12.6	15.3	12.8	17.5	11.8	25.1	24.4
11:00	-.31	11.4	13.3	13.3	21.8	19.8	26.5	25.7
12:00	-.34	11.7	13.3	14.7	18.4	12.8	28.0	27.1
13:00	-.25	14.2	17.2	19.9	19.4	17.4	28.6	27.6
14:00	-.59	22.4	34.1	30.2	18.1	13.7	28.8	27.9
15:00	.08	11.7	14.4	21.3	21.3	15.7	24.5	24.3
16:00	.14	3.7	4.1	4.1	24.5	22.1	25.1	24.5
17:00	.10	11.2	11.9	15.8	16.9	13.5	24.6	23.9
18:00	-.06	11.9	12.8	16.9	21.7	19.6	24.1	23.5
19:00	.01	7.3	9.4	12.1	15.5	10.1	23.4	23.0
20:00	-.04	2.5	3.7	5.3	10.7	5.5	22.7	22.6
21:00	-.02	2.5	4.6	6.0	10.0	4.2	22.4	22.5
22:00	-.06	3.2	5.0	6.2	8.1	4.1	22.1	22.3
23:00	.01	4.1	5.5	7.8	10.5	4.5	21.8	21.8
Avg	-.06	7.2	9.2	11.1	14.2	10.8	23.6	24.0
Max	.14	22.4	34.1	30.2	24.5	22.1	28.8	27.9
Hr. of Max	16	14	14	14	16	16	14	14
Min	-.59	2.5	2.1	4.1	6.0	3.5	20.8	21.8
Count	24	24	24	24	24	24	24	24
Total								