Date Printed: 08/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2016

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	23.2	24.4	24.7	25.2	1.22	1.48	2.07	.26	.85
01:00	22.7	23.8	24.1	25.0	1.14	1.36	2.34	.22	1.21
02:00	22.1	23.0	23.7	25.0	.89	1.61	2.94	.71	2.05
03:00	21.9	22.9	23.3	24.5	1.03	1.49	2.61	.46	1.57
04:00	21.8	22.8	22.9	23.3	1.04	1.18	1.58	.14	.54
05:00	21.6	22.6	22.9	23.2	.95	1.25	1.63	.30	.68
06:00	21.7	22.6	22.7	23.0	.90	1.01	1.32	.11	.42
07:00	22.6	22.9	23.0	23.0	.35	.40	.40	.05	.05
08:00	24.9	24.6	24.4	24.4	-.31	-.49	-.56	-.18	-.25
09:00	27.2	26.5	26.2	26.1	-.65	-.91	-1.06	-.27	-.41
10:00	29.0	28.2	27.8	27.6	-.86	-1.26	-1.40	-.39	-.54
11:00	30.2	29.3	29.0	28.8	-.91	-1.28	-1.41	-.37	-.50
12:00	30.9	30.2	29.9	29.7	-.68	-1.05	-1.19	-.36	-.51
13:00	31.9	30.6	30.3	30.2	-1.25	-1.53	-1.61	-.29	-.37
14:00	33.1	31.8	31.4	31.3	-1.34	-1.71	-1.79	-.37	-.45
15:00	34.1	32.7	32.4	32.2	-1.37	-1.72	-1.88	-.35	-.51
16:00	33.6	32.8	32.5	32.4	-.75	-1.05	-1.15	-.30	-.41
17:00	33.0	32.4	32.1	32.0	-.64	-.94	-1.06	-.30	-.41
18:00	32.7	32.2	31.9	31.8	-.48	-.75	-.87	-.27	-.39
19:00	31.3	31.1	30.8	30.7	-.22	-.46	-.54	-.24	-.33
20:00	29.6	29.8	29.6	29.6	.13	-.01	-.06	-.14	-.18
21:00	28.3	28.8	28.7	28.7	.46	.37	.36	-.09	-.10
22:00	26.5	28.2	28.2	28.2	1.77	1.76	1.79	-.01	.02
23:00	26.0	27.6	27.8	27.8	1.61	1.82	1.87	.21	.26
Avg	27.5	27.6	27.5	27.7	.08	.02	.18	-.06	.10
Max	34.1	32.8	32.5	32.4	1.77	1.82	2.94	.71	2.05
Hr. of Max	15	16	16	16	22	23	02	02	02
Min	21.6	22.6	22.7	23.0	-1.37	-1.72	-1.88	-.39	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2016

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	20.8	21.2	21.6	28.4	89.1	84.5	18.1	18.4	0.015986
01:00	20.7	21.2	21.4	28.2	90.9	87.7	18.0	18.5	0.015865
02:00	20.4	21.2	21.0	28.0	92.7	91.9	17.7	18.5	0.015601
03:00	20.3	21.1	20.8	27.8	93.1	92.3	17.5	18.4	0.015432
04:00	20.3	21.1	20.8	27.6	93.6	92.5	17.5	18.4	0.015441
05:00	20.2	21.0	20.7	27.4	94.1	93.4	17.5	18.3	0.015372
06:00	20.4	21.0	20.8	27.3	94.5	92.9	17.6	18.2	0.015519
07:00	20.9	20.9	21.5	27.1	93.0	90.7	18.2	18.1	0.016094
08:00	21.2	20.7	22.5	26.9	82.3	81.0	18.4	17.8	0.016391
09:00	21.0	20.4	23.0	26.8	71.0	71.2	18.0	17.4	0.016149
10:00	20.7	20.1	23.5	26.8	62.7	63.2	17.7	17.0	0.015948
11:00	20.4	19.9	23.7	26.9	57.5	58.6	17.3	16.8	0.015679
12:00	20.6	20.3	24.1	27.2	56.1	57.0	17.5	17.1	0.015891
13:00	21.1	20.7	24.7	27.5	54.9	57.3	18.0	17.6	0.016395
14:00	20.7	20.5	24.9	28.0	50.0	52.9	17.5	17.3	0.01607
15:00	20.1	19.7	24.7	28.4	45.4	47.9	16.8	16.5	0.015413
16:00	19.9	19.7	24.5	28.8	46.4	47.7	16.7	16.5	0.015306
17:00	20.4	20.1	24.6	29.1	49.1	49.9	17.1	16.9	0.015703
18:00	19.5	19.3	23.9	29.2	47.5	48.0	16.3	16.0	0.014875
19:00	19.0	18.8	23.1	29.3	49.7	49.7	15.8	15.6	0.014408
20:00	19.7	19.5	23.0	29.3	56.8	55.9	16.5	16.4	0.014972
21:00	20.2	20.0	22.9	29.2	63.2	60.9	17.1	16.9	0.015413
22:00	20.6	20.2	22.6	29.1	72.3	63.5	17.7	17.1	0.015828
23:00	20.8	20.5	22.5	28.9	75.3	67.3	17.9	17.5	0.016001
Avg	20.4	20.4	22.8	28.1	70.1	69.1	17.4	17.4	0.015656
Max	21.2	21.2	24.9	29.3	94.5	93.4	18.4	18.5	0.016395
Hr. of Max	08	02	14	20	06	05	08	02	13
Min	19.0	18.8	20.7	26.8	45.4	47.7	15.8	15.6	0.014408
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2016

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	0.016338	24.7	25.2	.00	29.12	986.0	-2.3	.00	37.2
01:00	0.016388	24.5	25.3	.00	29.11	985.7	-2.1	.00	.1
02:00	0.016338	24.1	25.2	.00	29.09	985.2	-2.2	.00	283.7
03:00	0.016294	23.9	25.2	.00	29.09	985.3	-2.7	.00	358.2
04:00	0.016249	23.9	25.1	.00	29.10	985.5	-2.1	.00	47.3
05:00	0.016167	23.8	25.0	.00	29.10	985.6	-2.6	.00	20.9
06:00	0.016114	24.0	24.9	.00	29.11	985.8	-1.0	.00	45.7
07:00	0.016019	24.9	24.8	.00	29.12	986.1	59.3	.09	60.2
08:00	0.015838	25.3	24.5	.00	29.12	986.2	246.5	.35	72.9
09:00	0.015596	25.0	24.1	.00	29.12	986.3	481.9	.69	65.0
10:00	0.015274	24.6	23.6	.00	29.11	985.9	642.4	.92	166.5
11:00	0.015161	24.2	23.5	.00	29.11	985.8	617.3	.88	134.7
12:00	0.015505	24.5	24.0	.00	29.10	985.4	527.2	.76	200.4
13:00	0.015943	25.3	24.6	.00	29.08	984.8	788.5	1.13	243.1
14:00	0.01577	24.8	24.3	.00	29.05	983.9	888.5	1.27	214.4
15:00	0.015048	23.8	23.2	.00	29.04	983.3	875.9	1.26	206.6
16:00	0.015082	23.6	23.3	.00	29.02	982.8	482.9	.69	188.8
17:00	0.015416	24.2	23.8	.00	29.02	982.9	392.8	.56	206.9
18:00	0.014638	23.0	22.6	.00	29.02	982.7	303.0	.43	167.8
19:00	0.014218	22.2	22.0	.00	29.02	982.7	148.7	.21	169.6
20:00	0.014862	23.1	22.9	.00	29.02	982.6	7.2	.01	196.8
21:00	0.015268	23.8	23.6	.00	29.03	983.1	-2.1	.00	218.8
22:00	0.015427	24.4	23.8	.00	29.05	983.9	-2.2	.00	232.6
23:00	0.015721	24.7	24.3	.00	29.06	984.1	-2.4	.00	254.3
Avg	0.015611	24.2	24.1	.00	29.08	984.7	268.4	.39	180.0
Max	0.016388	25.3	25.3	.00	29.12	986.3	888.5	1.27	358.2
Hr. of Max	01	13	01	23	09	09	14	14	03
Min	0.014218	22.2	22.0	.00	29.02	982.6	-2.7	.00	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2016

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	57.2	72.7	40.1	60.5	25.4	12.6	8.3	1.2	1.8
01:00	76.7	57.0	357.7	35.7	39.8	26.2	19.5	.4	.8
02:00	244.0	257.4	281.3	254.6	33.3	47.1	26.4	.8	.7
03:00	63.3	40.0	353.3	2.8	34.6	12.5	36.5	.3	1.0
04:00	71.2	64.3	50.3	50.7	25.3	10.7	6.8	.8	1.9
05:00	65.1	64.6	21.4	51.9	33.4	14.8	9.2	.7	1.5
06:00	66.6	69.6	47.4	58.0	25.8	11.9	5.6	1.1	2.2
07:00	65.0	66.8	62.6	53.9	22.9	15.7	9.7	1.3	2.0
08:00	67.7	75.6	74.4	62.3	28.1	21.9	22.6	1.2	1.5
09:00	62.7	65.3	64.0	51.5	44.1	37.5	29.9	2.2	2.4
10:00	161.2	148.5	175.0	146.0	67.7	59.1	47.9	1.2	1.7
11:00	143.7	143.9	139.6	136.5	36.2	33.0	31.9	3.0	3.5
12:00	206.3	195.7	201.5	191.5	41.2	44.8	41.5	2.4	3.1
13:00	248.7	243.7	248.7	237.7	32.1	22.9	20.5	4.2	5.4
14:00	222.3	218.7	221.3	212.4	35.0	29.1	22.2	4.6	6.5
15:00	213.7	209.2	212.7	202.7	34.0	27.1	22.1	6.2	8.3
16:00	201.2	199.3	193.0	192.6	32.8	27.0	21.3	5.1	6.8
17:00	217.4	214.6	213.5	207.8	24.4	20.2	17.1	6.3	8.4
18:00	179.0	177.6	173.3	170.0	33.1	31.6	26.3	4.0	5.3
19:00	174.8	171.4	175.4	164.5	30.2	27.5	22.8	4.0	4.9
20:00	186.9	174.3	207.2	168.4	51.9	42.1	30.5	1.7	2.8
21:00	199.0	178.3	224.4	172.1	54.2	45.2	36.1	1.4	2.4
22:00	206.4	183.2	238.9 +	177.5	43.5	29.9	19.3	1.2	2.3
23:00	217.8	179.9	258.6	175.2	32.0	26.7	19.9	1.5	2.3
Avg	159.0	149.0	195.0	145.0	35.9	28.2	23.1	.0	.0
Max	248.7	257.4	357.7	254.6	67.7	59.1	47.9	6.3	8.4
Hr. of Max	13	02	01	02	10	10	10	17	17
Min	57.2	40.0	21.4	2.8	22.9	10.7	5.6	.3	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/12/2016

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	1.3	1.9	2.5	1.4	2.7	1.5	-.2	.03
01:00	1.6	.7	.9	1.7	.9	1.9	.9	1.5	.01
02:00	1.6	1.0	.8	1.9	1.3	2.1	.5	-1.0	.02
03:00	.2	.3	1.0	.7	.5	1.1	.8	.0	.01
04:00	2.7	.9	2.0	2.8	1.1	3.0	.8	-.8	.01
05:00	2.7	.9	1.5	2.7	1.2	2.9	-.6	1.5	-.03
06:00	3.2	1.2	2.3	3.3	1.4	3.5	1.7	1.2	.01
07:00	2.8	1.5	2.2	2.8	1.8	3.0	2.0	-.9	.04
08:00	1.9	1.4	1.6	2.0	1.8	2.4	-.7	-1.6	.00
09:00	2.7	2.5	2.7	3.1	3.0	3.5	2.2	5.0	-.03
10:00	2.1	2.1	2.3	2.6	2.8	3.3	4.1	-2.8	.19
11:00	4.0	4.0	4.6	5.0	4.6	5.6	5.1	3.0	.34
12:00	3.6	3.3	4.0	4.5	3.9	5.0	4.6	4.7	.15
13:00	6.1	4.6	5.7	6.3	5.1	6.9	-3.8	-4.6	-.43
14:00	7.5	5.5	7.2	8.1	6.3	8.7	-1.7	-1.5	-.27
15:00	9.7	7.3	9.2	10.4	8.0	11.0	1.3	.5	-.05
16:00	8.7	5.9	7.6	9.3	6.5	9.9	2.2	3.1	.00
17:00	10.1	6.8	8.9	10.6	7.6	11.2	-.3	.5	-.28
18:00	6.9	4.9	6.3	7.9	5.8	8.6	4.9	2.9	.24
19:00	6.3	4.6	5.4	6.7	5.4	7.2	.7	.7	-.10
20:00	4.5	2.2	3.2	5.0	2.9	5.4	.3	-3.2	-.13
21:00	3.8	2.0	2.9	4.2	2.4	4.6	1.1	-4.4	-.05
22:00	3.8	1.5	2.5	4.0	2.0	4.3	-1.2	-2.5	-.07
23:00	3.2	1.7	2.5	3.4	2.0	3.7	.9	-3.2	-.02
Avg	.0	2.8	3.7	4.6	3.3	5.1	1.1	-.1	-.02
Max	10.1	7.3	9.2	10.6	8.0	11.2	5.1	5.0	.34
Hr. of Max	17	15	15	17	15	17	11	09	11
Min	.2	.3	.8	.7	.5	1.1	-3.8	-4.6	-.43
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	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.00	2.7	5.3	5.7	7.8	5.2	26.0	26.7
01:00	.05	2.3	2.5	4.1	8.3	8.5	25.5	26.5
02:00	-.02	3.0	3.4	4.4	7.5	12.3	24.6	26.5
03:00	.00	1.8	2.3	3.7	7.0	7.5	24.5	25.9
04:00	-.03	2.5	3.7	4.6	7.7	5.6	24.4	24.8
05:00	.09	3.0	3.4	5.0	9.4	7.3	24.2	24.6
06:00	.08	5.5	6.4	9.8	9.8	3.6	24.2	24.4
07:00	-.07	3.9	5.5	6.0	14.1	8.4	24.6	24.3
08:00	-.06	4.4	4.4	4.6	22.4	22.7	26.4	25.8
09:00	.15	6.9	7.1	6.6	26.4	25.8	28.2	27.5
10:00	-.26	7.6	8.9	9.4	29.6	32.8	29.6	28.8
11:00	.20	11.7	12.4	10.8	19.8	21.3	30.7	29.9
12:00	.17	11.0	9.8	10.5	23.5	24.3	31.5	30.7
13:00	-.62	13.1	11.7	12.6	20.4	18.0	32.0	31.1
14:00	-.28	13.7	17.4	18.8	18.6	15.5	33.0	32.0
15:00	-.15	18.8	24.7	25.2	17.6	15.0	33.8	32.8
16:00	.21	17.4	21.5	24.3	19.4	15.6	34.0	33.2
17:00	-.14	21.3	22.9	21.5	17.0	13.7	33.5	32.8
18:00	-.02	13.3	17.4	26.6	22.1	20.4	33.3	32.6
19:00	-.22	13.5	15.6	16.9	20.2	19.7	32.2	31.5
20:00	-.56	8.2	11.0	15.8	24.9	19.8	31.1	30.5
21:00	-.53	7.1	9.4	13.5	22.4	19.7	30.2	29.7
22:00	-.32	3.9	6.2	9.2	21.3	15.0	29.7	29.4
23:00	-.34	5.0	7.3	8.7	16.4	14.9	29.1	29.0
Avg	-.11	8.4	10.0	11.6	17.2	15.5	29.0	28.8
Max	.21	21.3	24.7	26.6	29.6	32.8	34.0	33.2
Hr. of Max	16	17	15	18	10	10	16	16
Min	-.62	1.8	2.3	3.7	7.0	3.6	24.2	24.3
Count	24	24	24	24	24	24	24	24
Total								