APPENDIX F – METEOROLOGICAL DATA SUMMARIES

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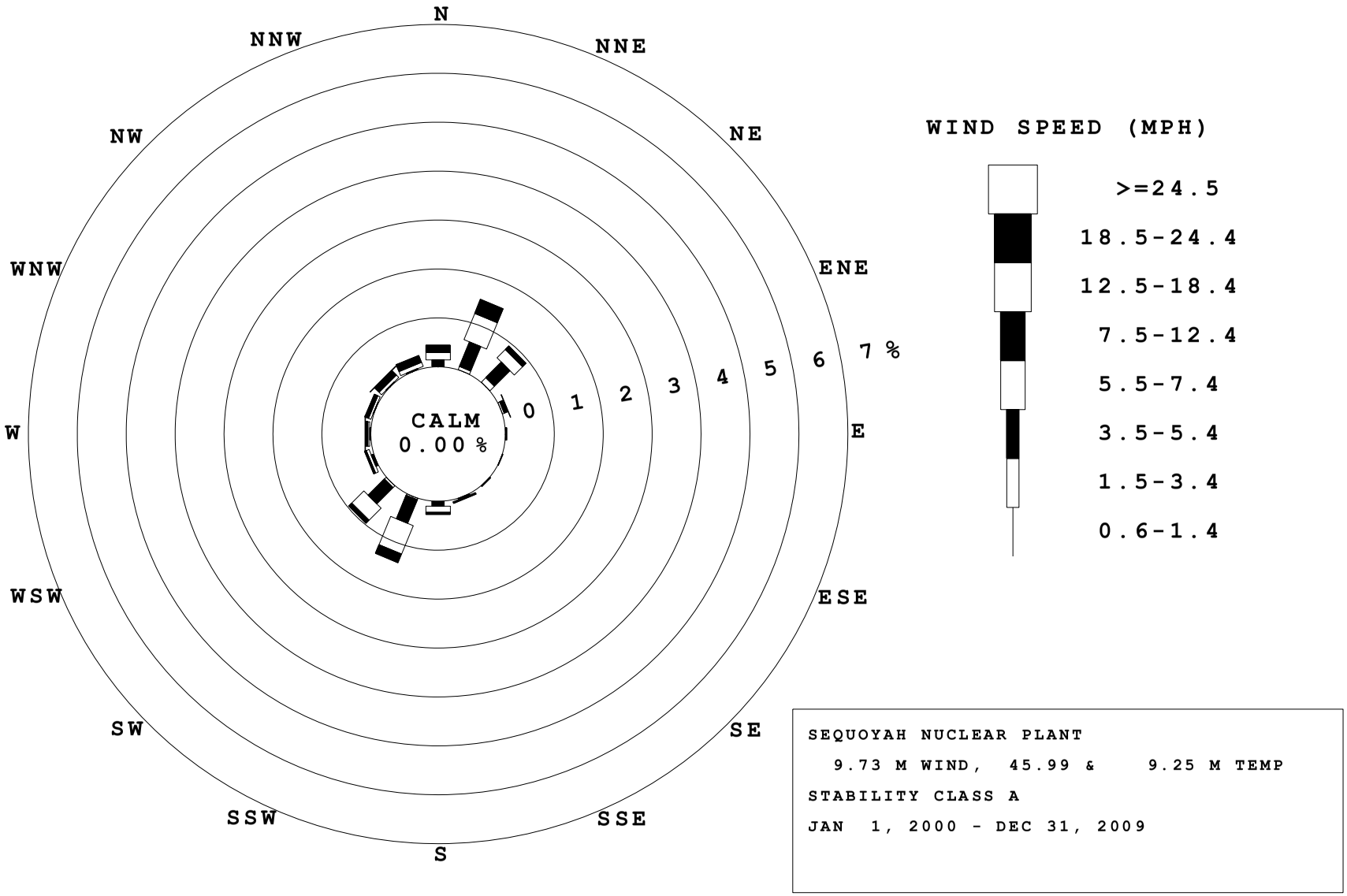
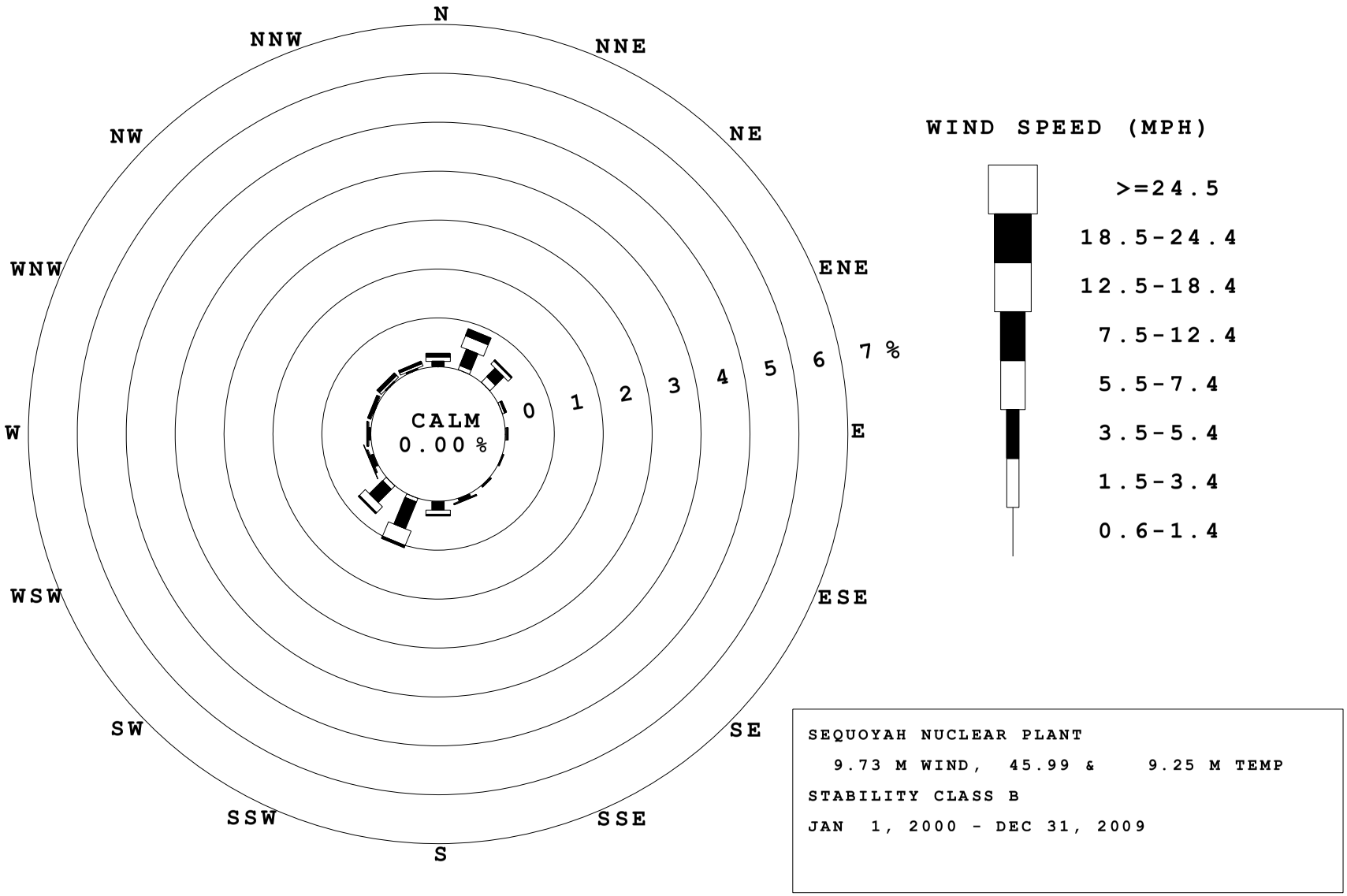
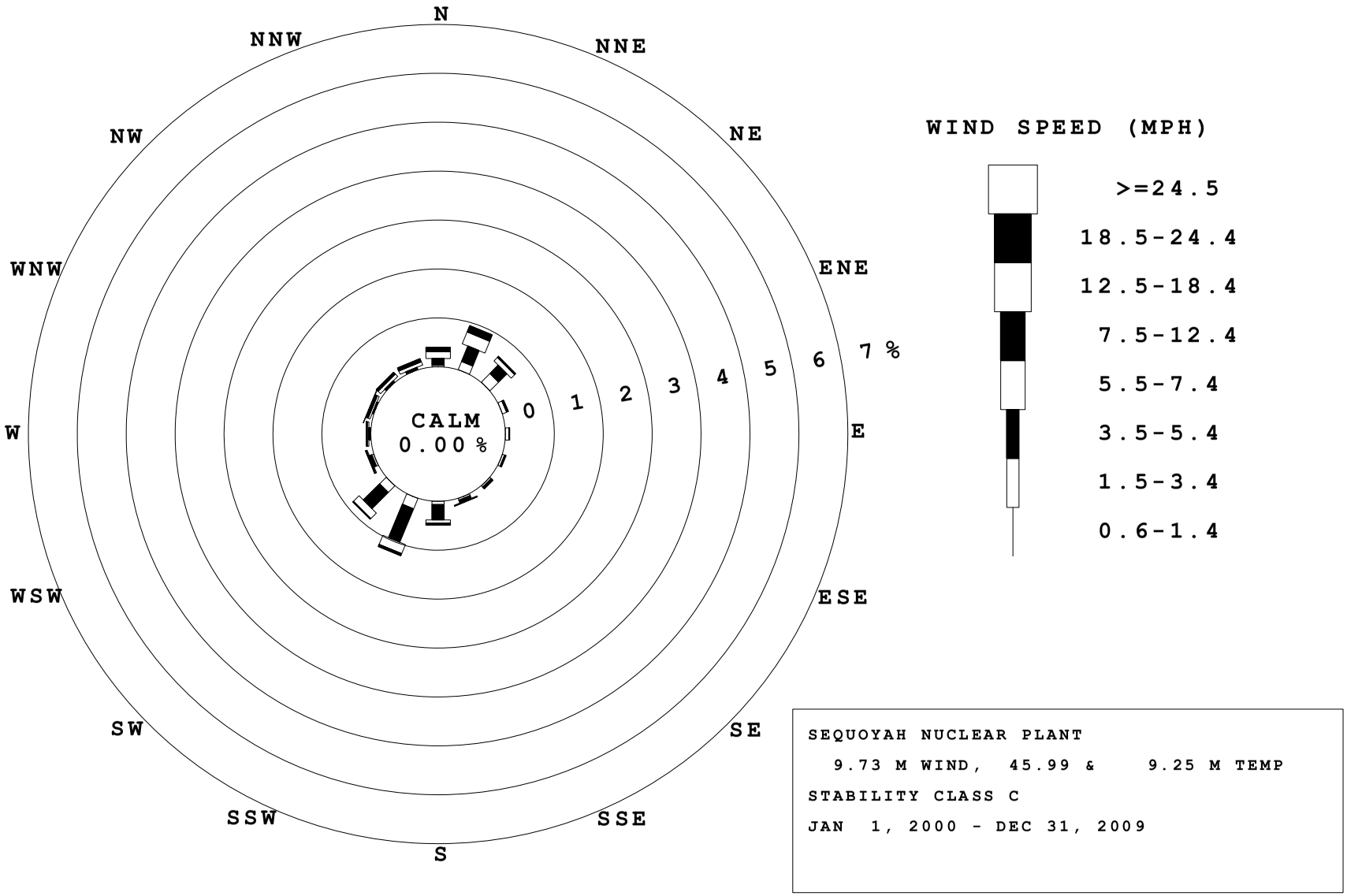
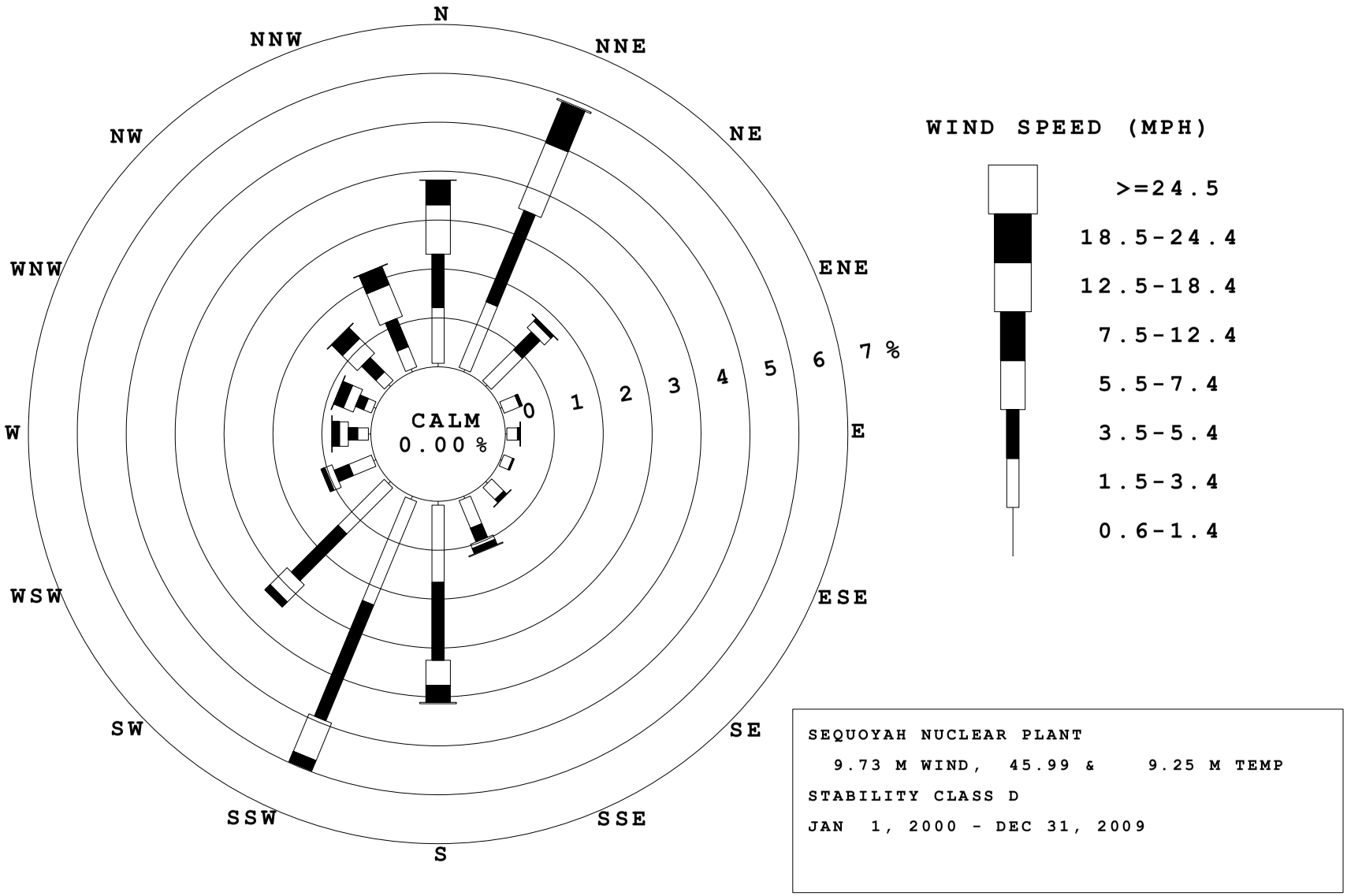
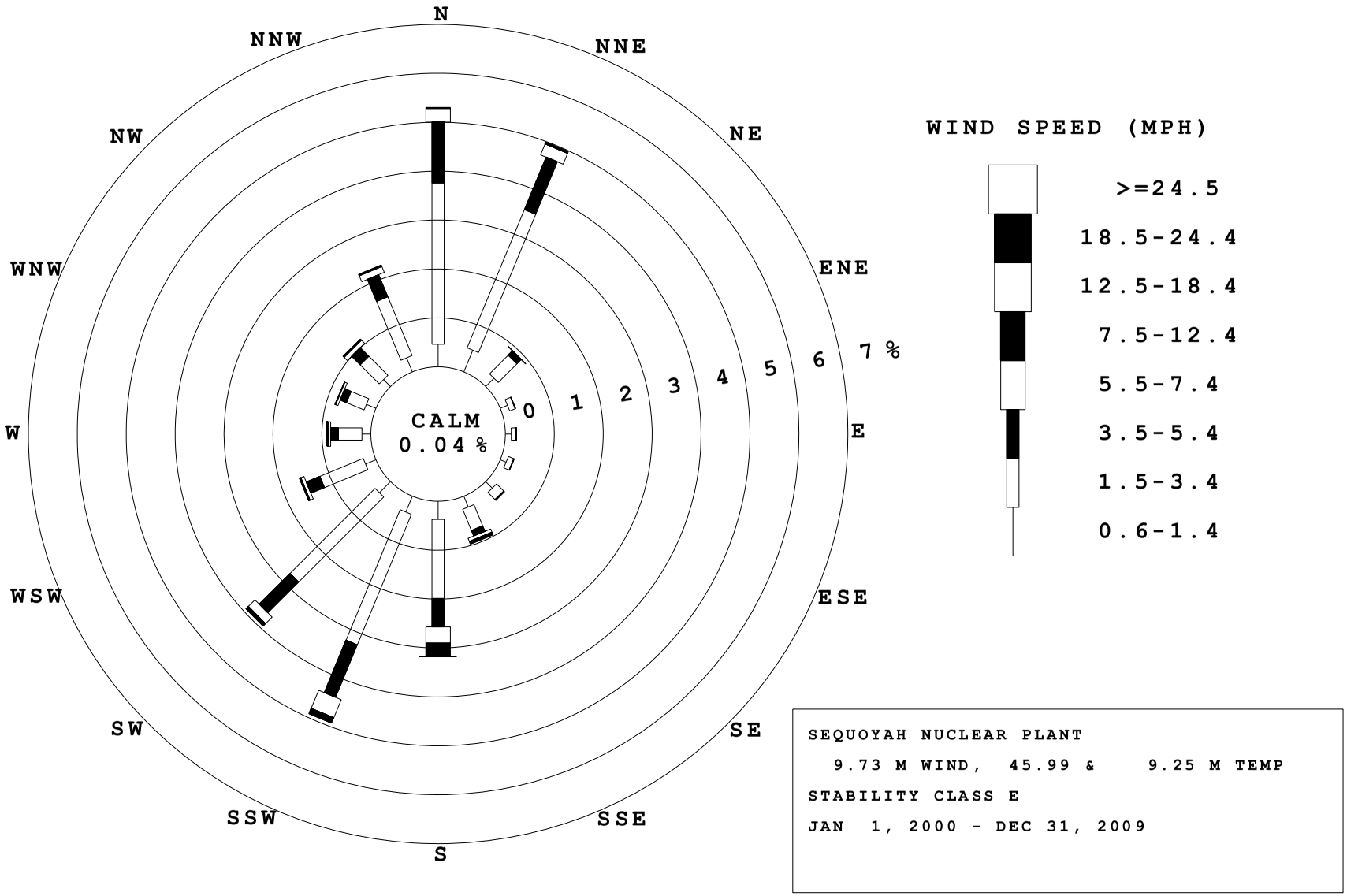
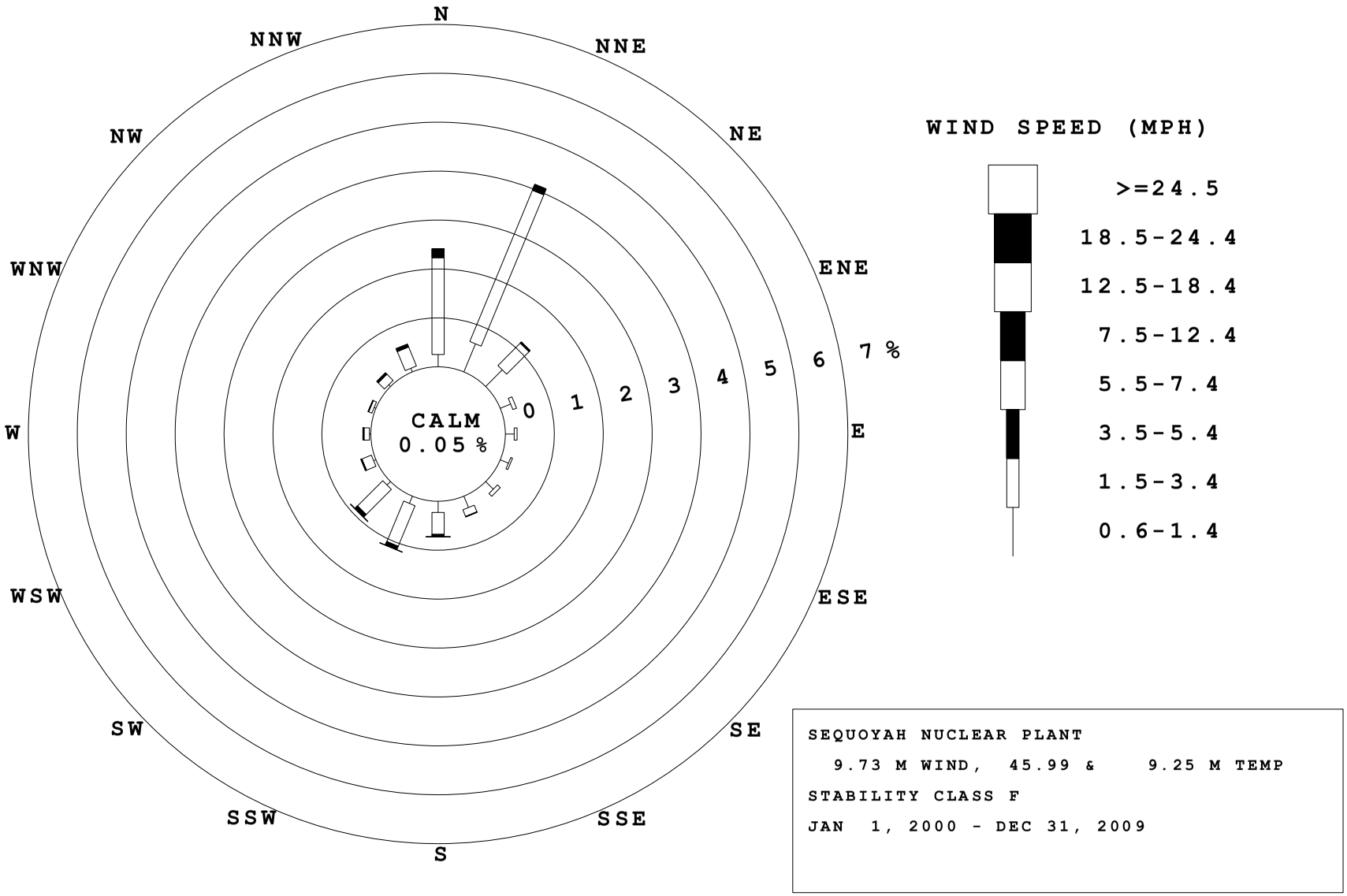

N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.00 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS A
JAN 1, 2000 - DEC 31, 2009

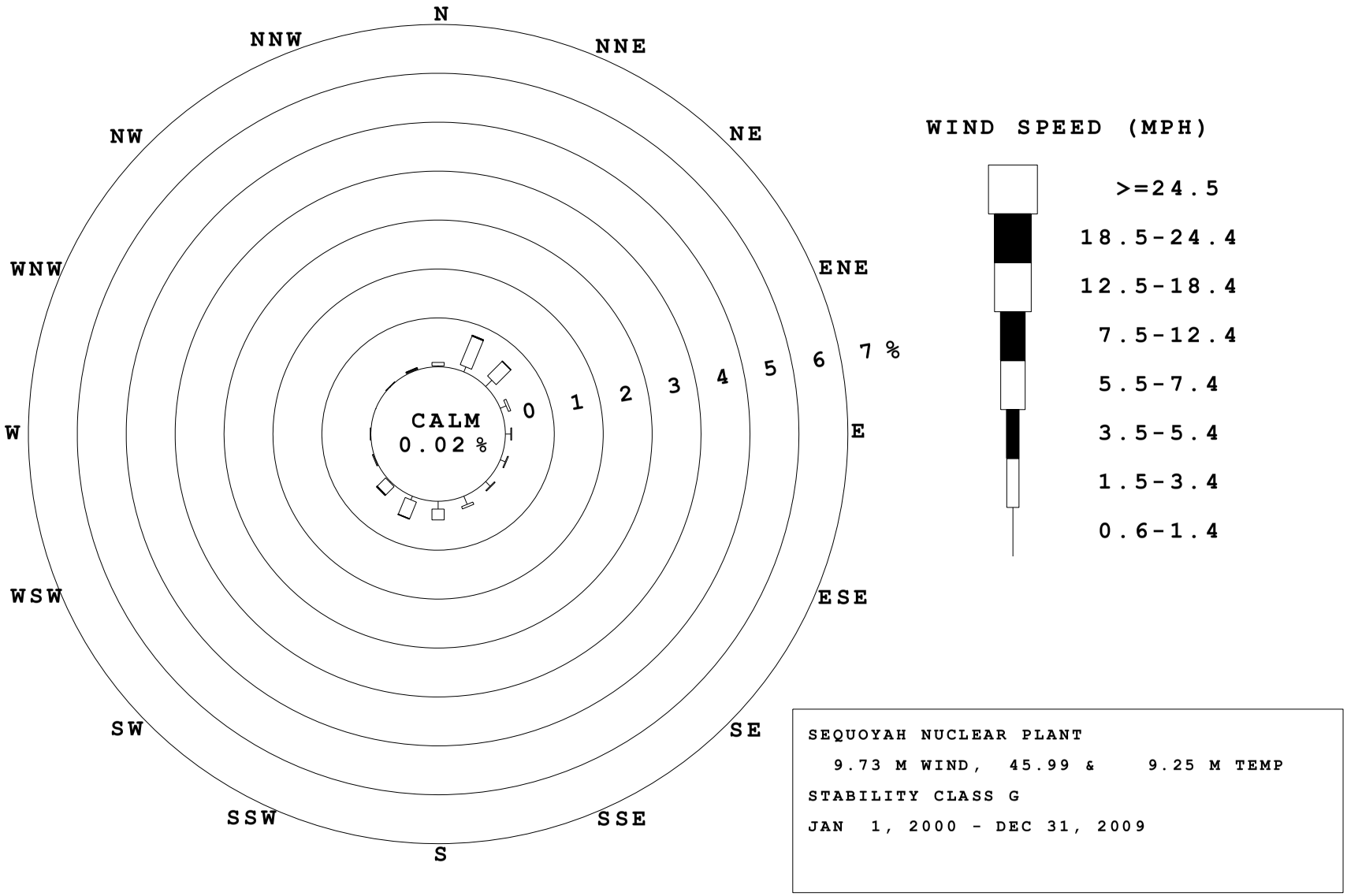

N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.00 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS B
JAN 1, 2000 - DEC 31, 2009

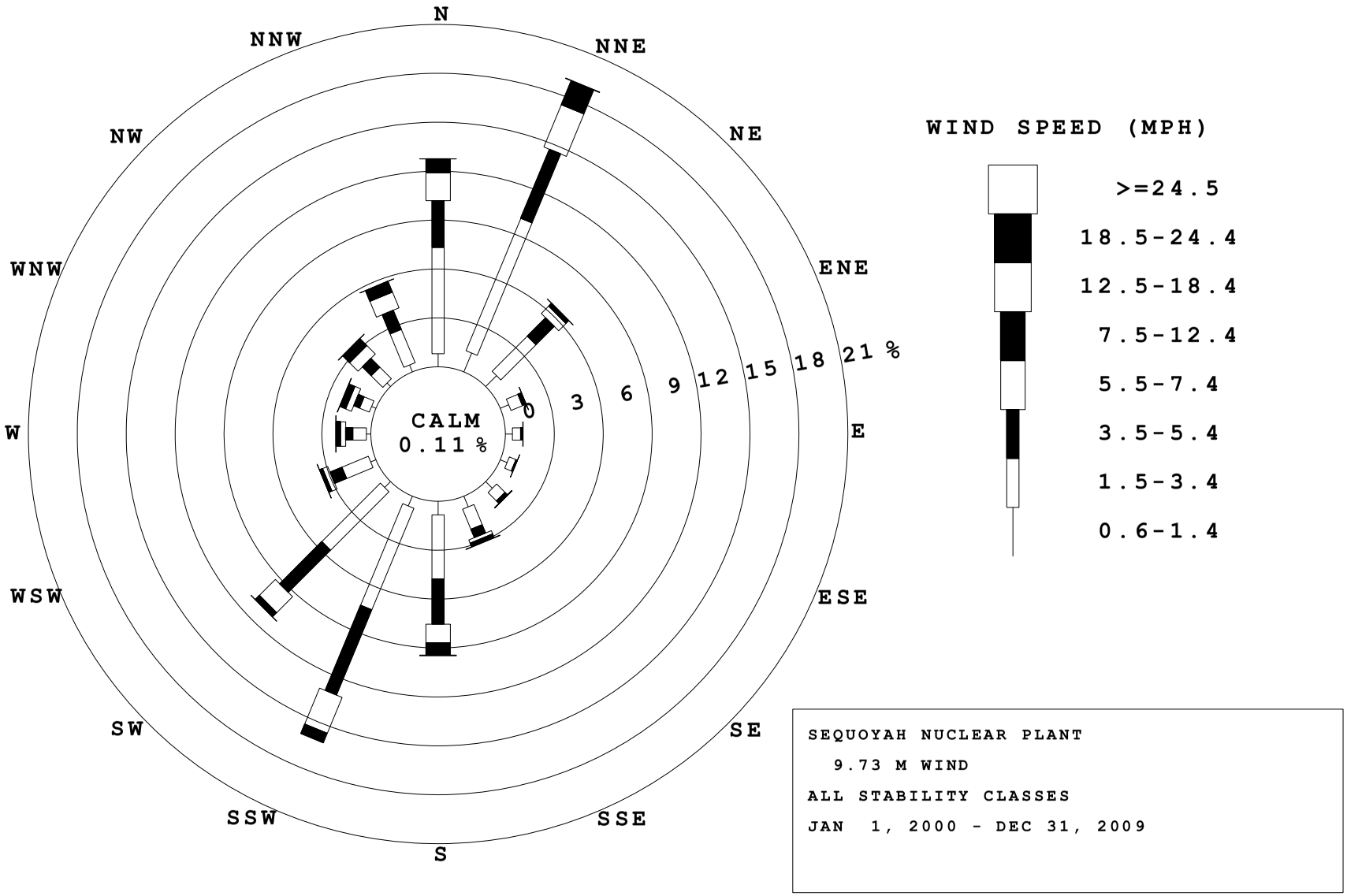

N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.00 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS C
JAN 1, 2000 - DEC 31, 2009


N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.00 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS D
JAN 1, 2000 - DEC 31, 2009

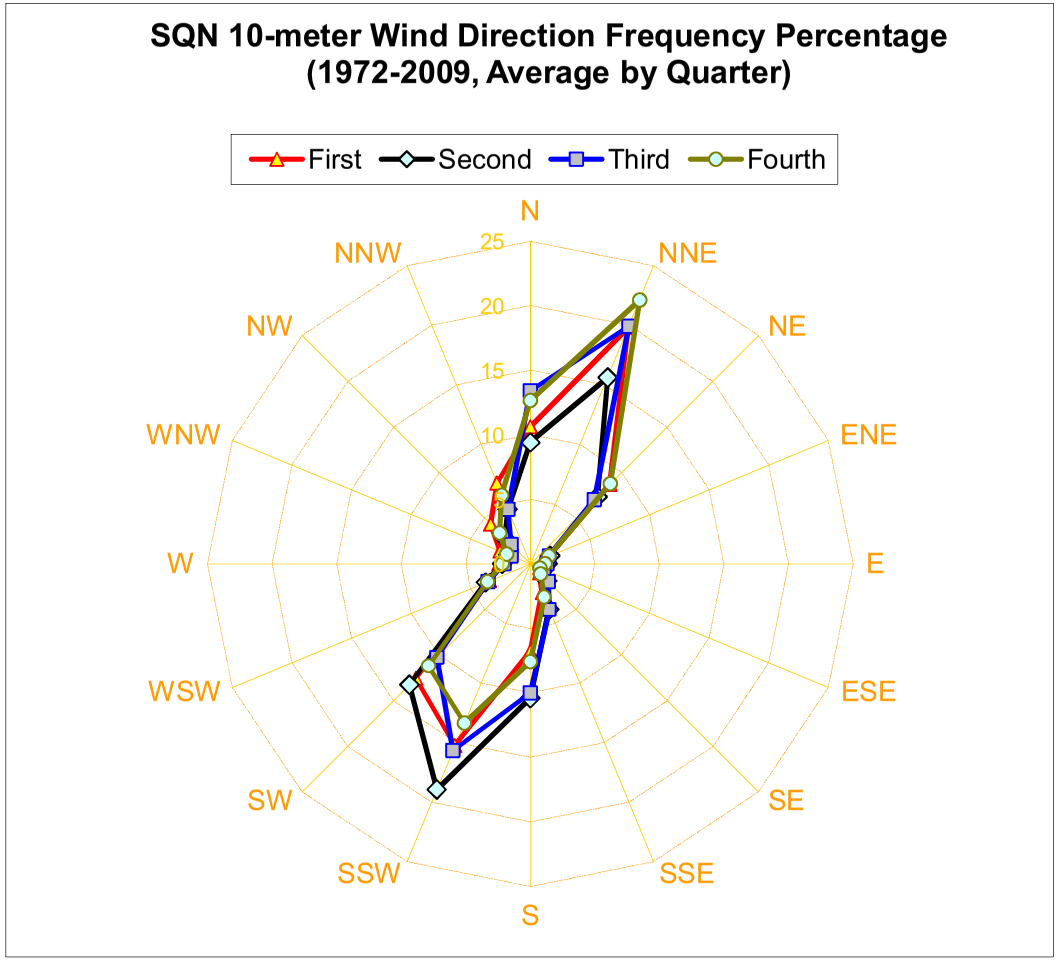

N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.04 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS E
JAN 1, 2000 - DEC 31, 2009


N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.05 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS F
JAN 1, 2000 - DEC 31, 2009

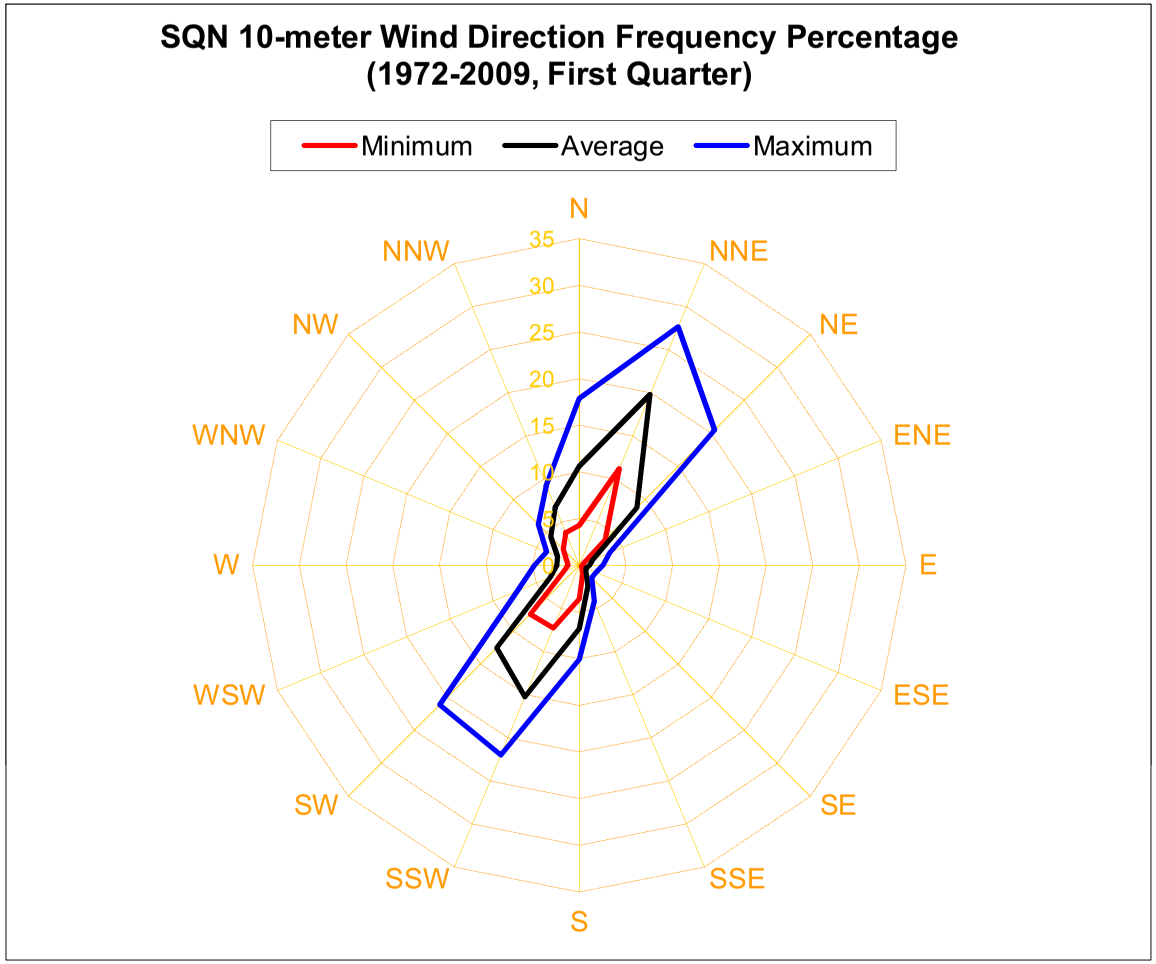

N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
1
2
3
4
5
6
7 %
CALM
0.02 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND, 45.99 & 9.25 M TEMP
STABILITY CLASS G
JAN 1, 2000 - DEC 31, 2009


N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
0
3
6
9
12
15
18
21 %
CALM
0.11 %
WIND SPEED (MPH)
>=24.5
18.5-24.4
12.5-18.4
7.5-12.4
5.5-7.4
3.5-5.4
1.5-3.4
0.6-1.4
SEQUOYAH NUCLEAR PLANT
9.73 M WIND
ALL STABILITY CLASSES
JAN 1, 2000 - DEC 31, 2009

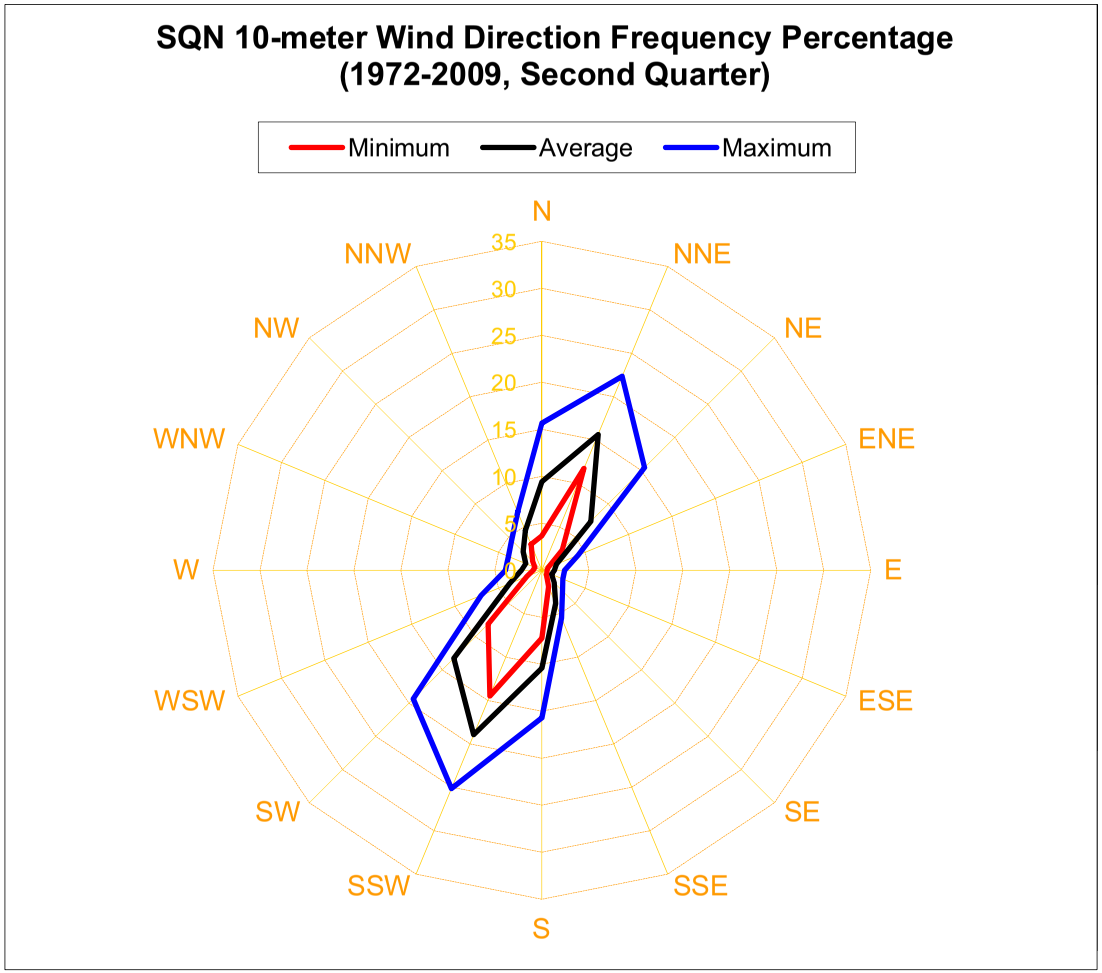
Direction	First	Second	Third	Fourth
N	10.63	9.42	13.40	12.67
NNE	19.81	15.65	19.94	22.13
NE	8.72	7.36	7.01	8.78
ENE	1.56	1.67	1.58	1.55
E	1.09	1.33	1.30	1.13
ESE	0.79	1.13	1.14	0.81
SE	1.01	1.85	1.96	1.13
SSE	2.40	3.82	3.83	2.80
S	6.78	10.41	10.01	7.57
SSW	15.23	18.94	15.65	13.37
SW	12.53	13.24	10.26	11.18
WSW	3.39	3.74	3.55	3.59
W	2.42	2.18	2.04	2.17
WNW	2.54	1.86	1.63	1.99
NW	4.33	2.81	2.12	3.36
NNW	6.77	4.59	4.57	5.77
Range	27.38	24.59	28.06	34.28



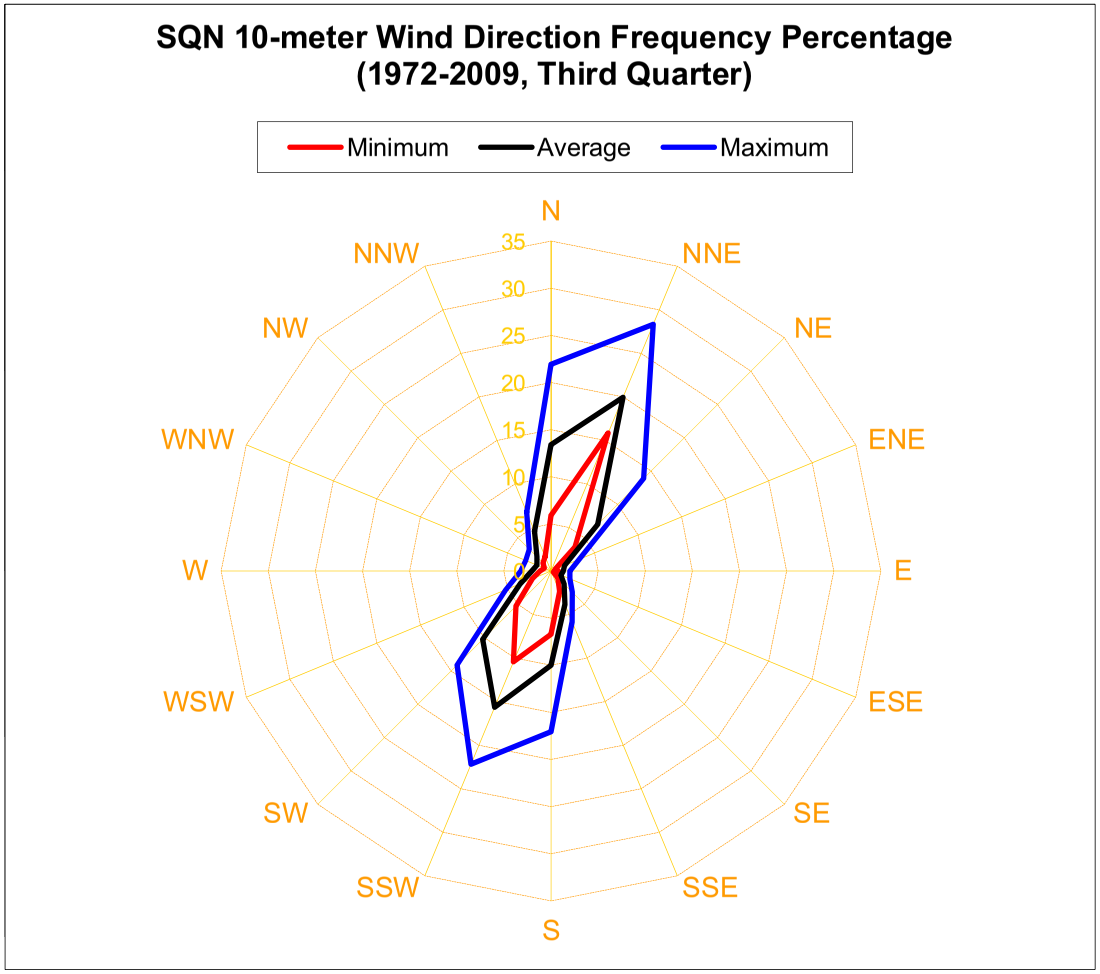
Direction	Minimum	Average	Maximum
N	4.28	10.63	17.86
NNE	11.22	19.81	27.63
NE	3.90	8.72	20.49
ENE	0.45	1.56	3.51
E	0.43	1.09	2.53
ESE	0.25	0.79	1.94
SE	0.37	1.01	1.86
SSE	0.94	2.40	4.17
S	3.61	6.78	10.09
SSW	7.27	15.23	22.02
SW	7.43	12.53	21.15
WSW	1.87	3.39	7.19
W	1.21	2.42	4.81
WNW	1.49	2.54	3.79
NW	2.45	4.33	6.21
NNW	3.79	6.77	9.23



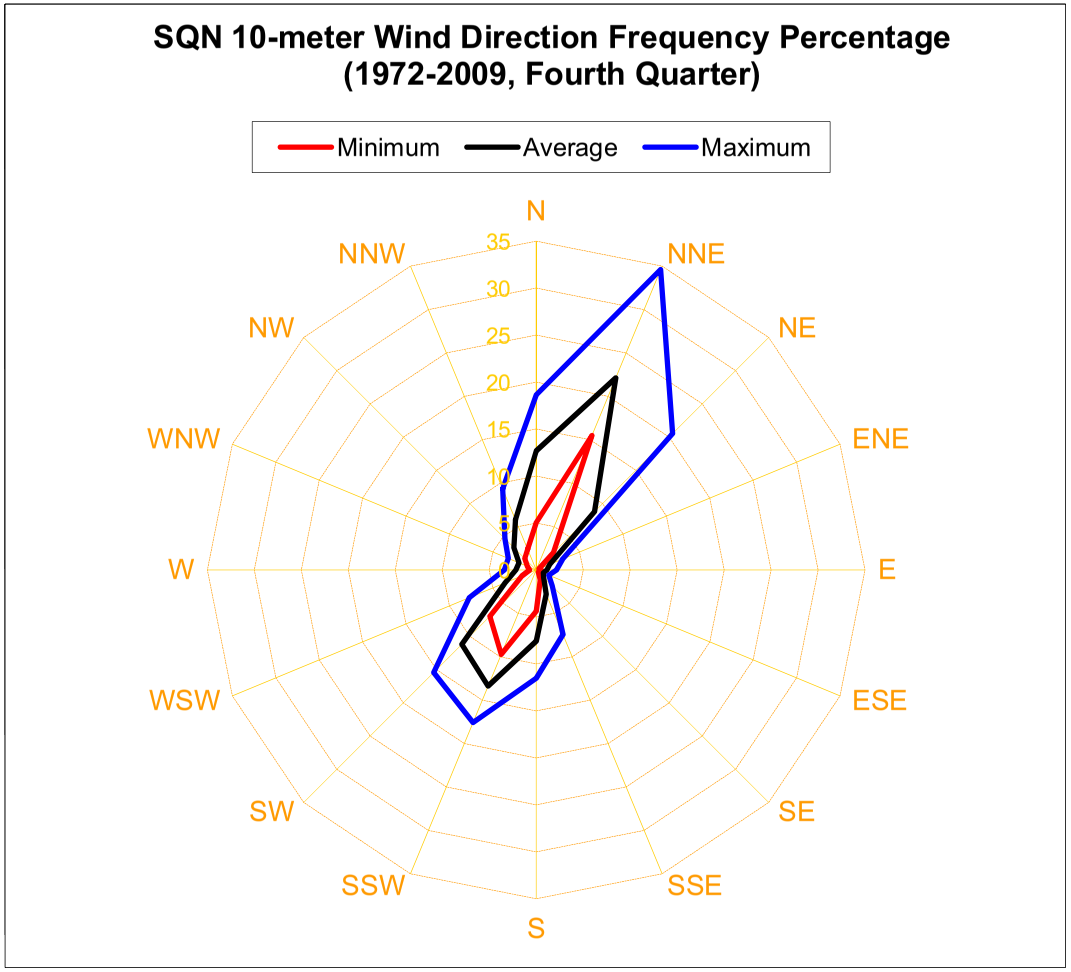
Direction	Minimum	Average	Maximum
N	3.68	9.42	15.65
NNE	11.72	15.65	22.35
NE	3.05	7.36	15.46
ENE	0.70	1.67	4.19
E	0.55	1.33	2.42
ESE	0.59	1.13	2.42
SE	0.70	1.85	3.11
SSE	1.89	3.82	5.46
S	7.22	10.41	15.71
SSW	14.47	18.94	25.14
SW	8.10	13.24	19.35
WSW	1.72	3.74	7.01
W	0.93	2.18	3.89
WNW	0.81	1.86	3.85
NW	1.39	2.81	4.54
NNW	2.99	4.59	6.72



Direction	Minimum	Average	Maximum
N	5.90	13.40	21.93
NNE	15.85	19.94	28.33
NE	3.56	7.01	13.90
ENE	0.47	1.58	3.22
E	0.79	1.30	2.00
ESE	0.27	1.14	2.17
SE	1.02	1.96	3.18
SSE	2.36	3.83	5.83
S	6.71	10.01	17.05
SSW	10.43	15.65	22.19
SW	5.26	10.26	14.11
WSW	2.15	3.55	5.20
W	1.18	2.04	3.22
WNW	0.78	1.63	2.90
NW	1.20	2.12	3.26
NNW	1.65	4.57	6.75



Direction	Minimum	Average	Maximum
N	5.06	12.67	18.65
NNE	15.50	22.13	34.61
NE	2.60	8.78	20.53
ENE	0.32	1.55	3.04
E	0.55	1.13	2.15
ESE	0.36	0.81	1.44
SE	0.33	1.13	2.42
SSE	1.13	2.80	7.43
S	4.39	7.57	11.51
SSW	9.71	13.37	17.58
SW	6.98	11.18	15.42
WSW	1.65	3.59	7.71
W	0.71	2.17	3.40
WNW	1.03	1.99	3.23
NW	1.72	3.36	4.70
NNW	2.38	5.77	9.33



JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.009	0.125	0.154	0.151	0.000	0.000	0.000	0.439
NNE	0.000	0.001	0.075	0.540	0.582	0.309	0.001	0.000	0.000	1.508
NE	0.000	0.000	0.126	0.451	0.236	0.103	0.000	0.000	0.000	0.916
ENE	0.000	0.000	0.042	0.081	0.008	0.001	0.000	0.000	0.000	0.132
E	0.000	0.000	0.008	0.022	0.002	0.000	0.000	0.000	0.000	0.033
ESE	0.000	0.000	0.004	0.012	0.004	0.000	0.000	0.000	0.000	0.019
SE	0.000	0.000	0.005	0.023	0.000	0.000	0.000	0.000	0.000	0.028
SSE	0.000	0.000	0.001	0.015	0.020	0.022	0.000	0.000	0.000	0.058
S	0.000	0.000	0.008	0.089	0.132	0.044	0.001	0.000	0.000	0.275
SSW	0.000	0.000	0.026	0.522	0.634	0.188	0.000	0.000	0.000	1.370
SW	0.000	0.000	0.046	0.469	0.354	0.088	0.001	0.000	0.000	0.957
WSW	0.000	0.000	0.006	0.044	0.058	0.035	0.002	0.000	0.000	0.146
W	0.000	0.000	0.004	0.018	0.042	0.055	0.007	0.000	0.000	0.125
WNW	0.000	0.001	0.000	0.014	0.046	0.077	0.002	0.000	0.000	0.140
NW	0.000	0.000	0.001	0.011	0.067	0.130	0.006	0.000	0.000	0.214
NNW	0.000	0.000	0.002	0.021	0.086	0.148	0.005	0.000	0.000	0.263
SUBTOTAL	0.000	0.002	0.362	2.457	2.425	1.351	0.026	0.000	0.000	6.624

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS A	5715
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	5667
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 6.03

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	WIND SPEED(MPH) 0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.000	0.025	0.085	0.092	0.072	0.000	0.000	0.000	0.275
NNE	0.000	0.000	0.088	0.359	0.252	0.152	0.002	0.000	0.000	0.853
NE	0.000	0.000	0.160	0.241	0.094	0.030	0.000	0.000	0.000	0.525
ENE	0.000	0.000	0.051	0.041	0.000	0.000	0.000	0.000	0.000	0.092
E	0.000	0.000	0.026	0.027	0.004	0.000	0.000	0.000	0.000	0.056
ESE	0.000	0.000	0.012	0.018	0.000	0.000	0.000	0.000	0.000	0.029
SE	0.000	0.001	0.020	0.023	0.005	0.001	0.000	0.000	0.000	0.050
SSE	0.000	0.000	0.020	0.041	0.021	0.013	0.000	0.000	0.000	0.095
S	0.000	0.000	0.023	0.162	0.086	0.033	0.002	0.000	0.000	0.307
SSW	0.000	0.000	0.084	0.591	0.316	0.048	0.000	0.000	0.000	1.039
SW	0.000	0.000	0.099	0.375	0.167	0.034	0.002	0.000	0.000	0.678
WSW	0.000	0.000	0.020	0.055	0.020	0.021	0.006	0.000	0.000	0.122
W	0.000	0.000	0.006	0.028	0.018	0.021	0.000	0.000	0.000	0.072
WNW	0.000	0.000	0.000	0.014	0.025	0.048	0.002	0.000	0.000	0.089
NW	0.000	0.000	0.004	0.022	0.048	0.065	0.002	0.000	0.000	0.141
NNW	0.000	0.000	0.011	0.020	0.054	0.054	0.001	0.000	0.000	0.139
SUBTOTAL	0.000	0.001	0.648	2.103	1.200	0.593	0.019	0.000	0.000	4.563

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS B	3931
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	3904
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 5.32

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
				WIND SPEED(MPH)						
N	0.000	0.000	0.034	0.139	0.138	0.086	0.000	0.000	0.000	0.397
NNE	0.000	0.001	0.179	0.341	0.262	0.141	0.004	0.000	0.000	0.928
NE	0.000	0.000	0.250	0.242	0.098	0.030	0.000	0.000	0.000	0.621
ENE	0.000	0.000	0.086	0.039	0.000	0.000	0.000	0.000	0.000	0.125
E	0.000	0.000	0.068	0.015	0.001	0.000	0.000	0.000	0.000	0.084
ESE	0.000	0.000	0.054	0.028	0.000	0.000	0.000	0.000	0.000	0.082
SE	0.000	0.000	0.042	0.048	0.002	0.001	0.000	0.000	0.000	0.094
SSE	0.000	0.000	0.044	0.061	0.012	0.013	0.001	0.000	0.000	0.131
S	0.000	0.000	0.070	0.306	0.071	0.035	0.000	0.000	0.000	0.483
SSW	0.000	0.000	0.226	0.738	0.195	0.048	0.000	0.000	0.000	1.206
SW	0.000	0.000	0.194	0.468	0.164	0.020	0.000	0.000	0.000	0.845
WSW	0.000	0.000	0.039	0.049	0.025	0.025	0.001	0.000	0.000	0.138
W	0.000	0.001	0.013	0.028	0.034	0.020	0.004	0.000	0.000	0.099
WNW	0.000	0.000	0.007	0.025	0.036	0.053	0.006	0.000	0.000	0.126
NW	0.000	0.000	0.006	0.028	0.072	0.054	0.001	0.000	0.000	0.161
NNW	0.000	0.000	0.005	0.049	0.070	0.071	0.000	0.000	0.000	0.195
SUBTOTAL	0.000	0.002	1.316	2.603	1.181	0.597	0.016	0.000	0.000	5.716

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS C	4938
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	4890
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 4.92

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	WIND SPEED(MPH) 0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.074	1.137	1.093	1.013	0.505	0.008	0.000	0.000	3.830
NNE	0.000	0.055	1.451	2.022	1.447	0.901	0.028	0.002	0.000	5.906
NE	0.000	0.044	0.904	0.506	0.189	0.069	0.006	0.000	0.000	1.718
ENE	0.000	0.040	0.337	0.056	0.001	0.001	0.000	0.000	0.000	0.435
E	0.000	0.029	0.224	0.051	0.008	0.000	0.000	0.000	0.000	0.313
ESE	0.000	0.033	0.205	0.026	0.002	0.001	0.000	0.000	0.000	0.267
SE	0.000	0.046	0.354	0.083	0.011	0.002	0.000	0.000	0.000	0.496
SSE	0.000	0.049	0.608	0.297	0.097	0.108	0.021	0.000	0.000	1.179
S	0.000	0.079	1.576	1.591	0.520	0.342	0.030	0.000	0.000	4.139
SSW	0.000	0.070	2.291	2.555	0.832	0.231	0.000	0.000	0.000	5.980
SW	0.000	0.062	1.334	1.354	0.490	0.146	0.004	0.000	0.000	3.389
WSW	0.000	0.051	0.498	0.320	0.162	0.083	0.001	0.000	0.000	1.116
W	0.000	0.053	0.221	0.186	0.178	0.150	0.013	0.000	0.000	0.800
WNW	0.000	0.046	0.167	0.181	0.222	0.207	0.009	0.000	0.000	0.832
NW	0.000	0.049	0.251	0.407	0.431	0.307	0.008	0.000	0.000	1.454
NNW	0.000	0.064	0.455	0.621	0.704	0.395	0.007	0.000	0.000	2.245
SUBTOTAL	0.000	0.844	12.011	11.349	6.308	3.449	0.136	0.002	0.000	34.100

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 86366
TOTAL HOURS OF STABILITY CLASS D 29518
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D 29173
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 85552
TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 4.51

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	WIND SPEED(MPH) CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.006	0.456	3.303	1.240	0.282	0.021	0.001	0.000	0.000	5.310
NNE	0.006	0.478	3.061	1.163	0.241	0.041	0.000	0.000	0.000	4.990
NE	0.001	0.241	0.538	0.116	0.013	0.001	0.000	0.000	0.000	0.910
ENE	0.000	0.161	0.120	0.011	0.000	0.000	0.000	0.000	0.000	0.293
E	0.000	0.116	0.102	0.011	0.002	0.000	0.000	0.000	0.000	0.231
ESE	0.000	0.127	0.116	0.006	0.002	0.000	0.000	0.000	0.000	0.252
SE	0.001	0.191	0.213	0.025	0.002	0.004	0.000	0.000	0.000	0.434
SSE	0.001	0.241	0.465	0.120	0.068	0.062	0.002	0.000	0.000	0.960
S	0.003	0.367	1.622	0.580	0.330	0.267	0.012	0.000	0.000	3.180
SSW	0.005	0.347	2.892	1.164	0.401	0.118	0.001	0.000	0.000	4.929
SW	0.005	0.325	2.457	0.892	0.194	0.071	0.004	0.000	0.000	3.947
WSW	0.002	0.229	0.964	0.298	0.070	0.033	0.000	0.000	0.000	1.596
W	0.001	0.182	0.477	0.164	0.047	0.020	0.000	0.000	0.000	0.891
WNW	0.001	0.207	0.393	0.145	0.051	0.011	0.000	0.000	0.000	0.808
NW	0.001	0.198	0.547	0.251	0.094	0.034	0.000	0.000	0.000	1.125
NNW	0.003	0.307	1.295	0.491	0.125	0.034	0.000	0.000	0.000	2.255
SUBTOTAL	0.039	4.173	18.565	6.675	1.922	0.715	0.020	0.000	0.000	32.109

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS E	27723
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	27470
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	33

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 2.97

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	WIND SPEED(MPH) 0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.008	0.252	1.980	0.179	0.004	0.000	0.000	0.000	0.000	2.423
NNE	0.015	0.621	3.345	0.129	0.000	0.000	0.000	0.000	0.000	4.110
NE	0.004	0.480	0.646	0.027	0.002	0.000	0.000	0.000	0.000	1.160
ENE	0.001	0.231	0.078	0.005	0.000	0.000	0.000	0.000	0.000	0.316
E	0.001	0.179	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.238
ESE	0.001	0.177	0.036	0.001	0.000	0.000	0.000	0.000	0.000	0.215
SE	0.001	0.215	0.076	0.001	0.000	0.000	0.000	0.000	0.000	0.293
SSE	0.002	0.245	0.152	0.007	0.001	0.001	0.000	0.000	0.000	0.408
S	0.003	0.230	0.445	0.041	0.006	0.000	0.000	0.000	0.000	0.725
SSW	0.004	0.159	0.898	0.065	0.006	0.001	0.000	0.000	0.000	1.133
SW	0.003	0.104	0.732	0.072	0.007	0.000	0.000	0.000	0.000	0.918
WSW	0.001	0.055	0.212	0.016	0.002	0.000	0.000	0.000	0.000	0.286
W	0.001	0.034	0.109	0.016	0.001	0.000	0.000	0.000	0.000	0.161
WNW	0.000	0.040	0.075	0.013	0.004	0.000	0.000	0.000	0.000	0.131
NW	0.001	0.053	0.182	0.039	0.002	0.001	0.000	0.000	0.000	0.278
NNW	0.002	0.084	0.423	0.060	0.002	0.001	0.000	0.000	0.000	0.572
SUBTOTAL	0.048	3.159	9.448	0.671	0.037	0.005	0.000	0.000	0.000	13.368

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS F	11499
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	11437
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	41

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 2.03

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
				WIND SPEED(MPH)						
N	0.001	0.019	0.071	0.002	0.000	0.000	0.000	0.000	0.000	0.093
NNE	0.004	0.108	0.625	0.016	0.000	0.000	0.000	0.000	0.000	0.754
NE	0.003	0.179	0.421	0.006	0.000	0.000	0.000	0.000	0.000	0.609
ENE	0.001	0.132	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.186
E	0.001	0.110	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.133
ESE	0.001	0.112	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.129
SE	0.001	0.131	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.155
SSE	0.001	0.178	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.232
S	0.002	0.155	0.217	0.005	0.001	0.000	0.000	0.000	0.000	0.381
SSW	0.003	0.079	0.369	0.008	0.000	0.000	0.000	0.000	0.000	0.460
SW	0.002	0.025	0.243	0.023	0.000	0.000	0.000	0.000	0.000	0.293
WSW	0.000	0.012	0.020	0.001	0.000	0.000	0.000	0.000	0.000	0.033
W	0.000	0.002	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.011
WNW	0.000	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.005
NW	0.000	0.005	0.008	0.005	0.000	0.000	0.000	0.000	0.000	0.018
NNW	0.000	0.008	0.016	0.006	0.000	0.000	0.000	0.000	0.000	0.031
SUBTOTAL	0.020	1.255	2.171	0.072	0.001	0.000	0.000	0.000	0.000	3.519

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF STABILITY CLASS G	3042
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G	3011
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS CALM	17

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 1.79

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED

BY WIND DIRECTION DISREGARDING STABILITY CLASS

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND DIRECTION	CALM	WIND SPEED(MPH) 0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.014	0.795	6.521	2.869	1.705	0.851	0.009	0.000	0.000	12.765
NNE	0.020	1.254	8.792	4.585	2.810	1.580	0.037	0.002	0.000	19.079
NE	0.008	0.939	3.051	1.588	0.639	0.235	0.006	0.000	0.000	6.466
ENE	0.003	0.561	0.772	0.232	0.009	0.002	0.000	0.000	0.000	1.579
E	0.002	0.430	0.508	0.127	0.017	0.000	0.000	0.000	0.000	1.084
ESE	0.002	0.447	0.441	0.094	0.008	0.002	0.000	0.000	0.000	0.994
SE	0.003	0.579	0.731	0.211	0.021	0.009	0.000	0.000	0.000	1.553
SSE	0.004	0.707	1.338	0.546	0.223	0.230	0.025	0.000	0.000	3.075
S	0.009	0.825	3.939	2.770	1.147	0.739	0.045	0.000	0.000	9.475
SSW	0.015	0.652	6.754	5.646	2.388	0.634	0.001	0.000	0.000	16.091
SW	0.011	0.513	5.074	3.658	1.375	0.359	0.012	0.000	0.000	11.002
WSW	0.004	0.346	1.754	0.790	0.340	0.197	0.010	0.000	0.000	3.441
W	0.002	0.272	0.831	0.438	0.323	0.267	0.023	0.000	0.000	2.157
WNW	0.002	0.293	0.643	0.394	0.384	0.395	0.020	0.000	0.000	2.130
NW	0.003	0.301	0.996	0.765	0.726	0.595	0.017	0.000	0.000	3.403
NNW	0.005	0.460	2.208	1.265	1.049	0.706	0.013	0.000	0.000	5.706
SUBTOTAL	0.105	9.374	44.352	25.978	13.167	6.803	0.219	0.002	0.000	100.000

TOTAL HOURS OF VALID WIND OBSERVATIONS 86377
TOTAL HOURS OF OBSERVATIONS 87672
RECOVERABILITY PERCENTAGE 98.5
TOTAL HOURS CALM 91

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

MEAN WIND SPEED = 3.76

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY STABILITY CLASS

SEQUOYAH NUCLEAR PLANT

JAN 1, 2000 - DEC 31, 2009

WIND SPEED	STABILITY CLASS						
(MPH)	A	B	C	D	E	F	G
CALM	0.000	0.000	0.000	0.000	0.039	0.048	0.020
0.6- 1.4	0.002	0.001	0.002	0.844	4.173	3.159	1.255
1.5- 3.4	0.362	0.648	1.316	12.011	18.565	9.448	2.171
3.5- 5.4	2.457	2.103	2.603	11.349	6.675	0.671	0.072
5.5- 7.4	2.425	1.200	1.181	6.308	1.922	0.037	0.001
7.5-12.4	1.351	0.593	0.597	3.449	0.715	0.005	0.000
12.5-18.4	0.026	0.019	0.016	0.136	0.020	0.000	0.000
18.5-24.4	0.000	0.000	0.000	0.002	0.000	0.000	0.000
>=24.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	6.624	4.563	5.716	34.100	32.109	13.368	3.519

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	86366
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	85552
TOTAL HOURS OF OBSERVATIONS	87672
JOINT RECOVERABILITY PERCENTAGE	97.6

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 2011/03/09

SQN Precipitation Summary - Monthly Statistics
(rainfall data in inches)

1998	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	6.34	6.24	6.58	6.89	1.71	5.88	3.77	2.37	0.71	0.60	2.21	5.77
0.10-0.24/hr.	11	19	17	13	3	8	7	6	1	1	7	17
0.25-0.49/hr.	4	2	5	2	1	3	3	0	1	1	1	4
0.50-0.99/hr.	1	1	1	3	1	1	2	2	0	0	0	1
1.00 or more/hr.	0	0	0	0	0	2	0	0	0	0	0	0

1999	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	9.83	2.84	2.89	3.66	4.21	5.51	2.42	0.08	1.26	3.74	3.25	2.10
0.10-0.24/hr.	31	8	10	10	7	8	4	0	1	14	5	4
0.25-0.49/hr.	3	2	0	1	3	1	2	0	1	1	4	3
0.50-0.99/hr.	1	0	0	1	0	2	0	0	1	1	1	0
1.00 or more/hr.	0	0	0	0	1	1	0	0	0	0	0	0

2000	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	4.54	2.96	4.87	8.20	1.16	3.65	1.22	2.13	2.16	0.00	6.82	2.07
0.10-0.24/hr.	12	6	12	22	5	8	0	3	4	0	12	6
0.25-0.49/hr.	2	3	5	6	0	0	1	2	0	0	6	1
0.50-0.99/hr.	1	0	1	1	0	2	1	1	2	0	1	0
1.00 or more/hr.	0	0	0	0	0	0	0	0	0	0	0	0

2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	4.88	5.12	4.62	2.13	4.05	3.95	5.59	2.09	4.53	1.30	3.13	4.95
0.10-0.24/hr.	18	14	19	7	11	9	4	10	5	1	4	10
0.25-0.49/hr.	2	3	1	2	5	6	1	0	3	3	3	4
0.50-0.99/hr.	0	1	0	0	0	0	4	0	1	0	1	1
1.00 or more/hr.	0	0	0	0	0	0	1	0	1	0	0	0

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	6.87	1.54	7.72	1.34	4.68	0.44	1.95	1.70	5.45	2.64	3.62	6.25
0.10-0.24/hr.	10	5	17	2	10	2	1	2	5	2	5	14
0.25-0.49/hr.	4	0	2	0	2	0	1	1	3	0	4	1
0.50-0.99/hr.	3	0	2	0	1	0	2	1	3	2	0	1
1.00 or more/hr.	1	0	1	0	0	0	0	0	0	0	1	1

Monthly

2003	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	0.17	10.61	2.11	5.54	10.80	4.45	6.73	1.74	4.46	0.55	4.97	3.96
0.10-0.24/hr.	0	23	7	8	21	4	18	3	5	3	11	17
0.25-0.49/hr.	0	6	1	8	8	6	4	1	4	0	2	1
0.50-0.99/hr.	0	4	0	1	3	2	2	1	0	0	2	0
1.00 or more/hr.	0	0	0	0	1	0	0	0	1	0	0	0

2004	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	3.58	4.80	4.28	1.49	3.04	5.33	3.01	5.44	9.42	3.29	8.12	6.12
0.10-0.24/hr.	16	11	9	5	7	8	5	5	12	9	21	16
0.25-0.49/hr.	1	4	3	0	3	3	0	2	4	1	5	6
0.50-0.99/hr.	0	1	1	0	1	2	3	0	8	1	2	0
1.00 or more/hr.	0	0	0	0	0	1	0	2	0	0	0	0

2005	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	2.71	4.02	2.79	4.21	2.02	5.48	6.28	5.13	1.87	0.95	4.33	3.33
0.10-0.24/hr.	7	9	3	8	7	13	12	8	4	2	16	9
0.25-0.49/hr.	2	0	2	1	0	3	5	2	0	0	0	1
0.50-0.99/hr.	0	0	0	2	1	2	1	4	1	0	1	0
1.00 or more/hr.	0	0	0	0	0	0	0	0	0	0	0	0

2006	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	5.32	1.83	2.62	5.44	2.68	0.92	2.88	3.72	5.78	5.23	3.77	3.18
0.10-0.24/hr.	13	1	7	16	7	2	5	5	10	17	9	11
0.25-0.49/hr.	5	2	2	2	1	1	2	2	4	3	4	1
0.50-0.99/hr.	0	0	0	2	0	0	1	3	1	0	0	0
1.00 or more/hr.	0	0	0	0	0	0	0	0	1	0	0	0

2007	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	2.87	0.00	1.12	4.27	0.48	2.40	4.40	0.87	1.91	3.63	4.39	3.16
0.10-0.24/hr.	6	0	3	11	2	2	8	2	5	5	12	6
0.25-0.49/hr.	1	0	0	3	0	2	3	1	2	3	3	2
0.50-0.99/hr.	1	0	0	1	0	1	2	0	0	1	2	1
1.00 or more/hr.	0	0	0	0	0	0	0	0	0	0	0	0

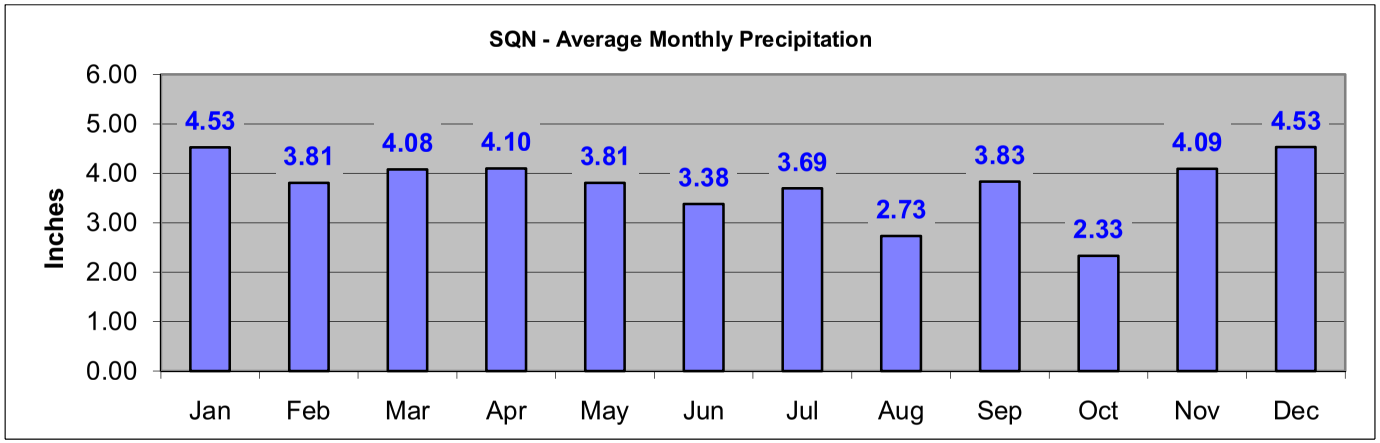
Due to sensor outage, some rain events during first quarter 2007 were not recorded.

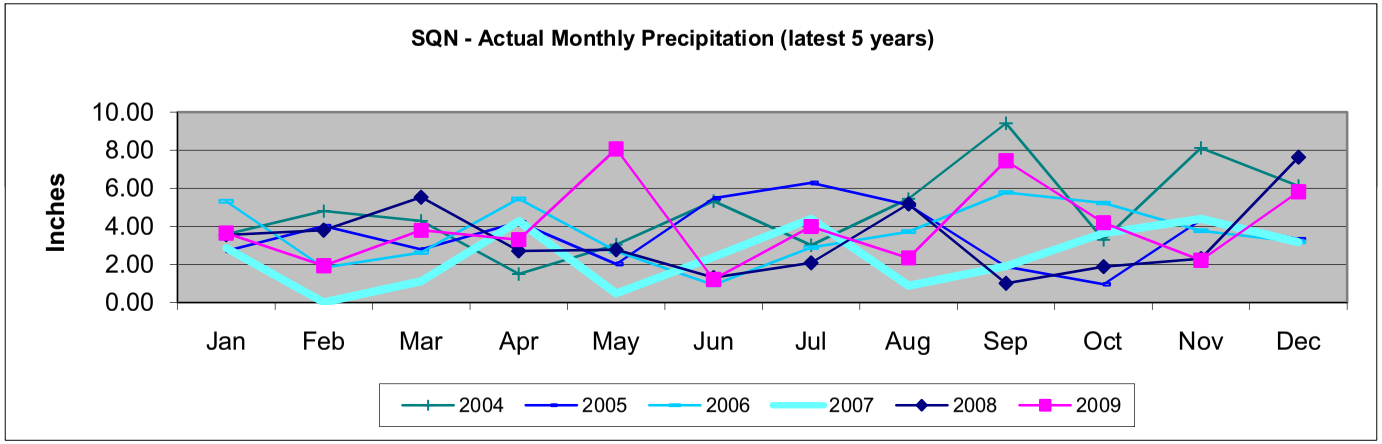
Monthly

2008	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	3.55	3.80	5.53	2.70	2.77	1.31	2.08	5.18	1	1.88	2.30	7.63
0.10-0.24/hr.	4	8	6	8	4	2	4	16	1	5	5	16
0.25-0.49/hr.	7	4	7	1	2	2	2	4	0	1	3	8
0.50-0.99/hr.	0	1	2	0	1	0	0	1	1	0	0	1
1.00 or more/hr.	0	0	0	0	0	0	0	0	0	0	0	0

2009	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	3.65	1.93	3.79	3.30	8.07	1.20	3.99	2.34	7.45	4.19	2.21	5.82
0.10-0.24/hr.	10	9	9	6	21	2	4	3	11	9	8	11
0.25-0.49/hr.	2	0	1	1	6	0	2	3	8	3	0	3
0.50-0.99/hr.	0	0	0	2	2	1	1	0	0	0	0	2
1.00 or more/hr.	0	0	0	0	0	0	1	0	1	0	0	0

Average	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Totals	4.53	3.81	4.08	4.10	3.81	3.38	3.69	2.73	3.83	2.33	4.09	4.53
0.10-0.24/hr.	12	9	10	10	9	6	6	5	5	6	10	11
0.25-0.49/hr.	3	2	2	2	3	2	2	2	3	1	3	3
0.50-0.99/hr.	1	1	1	1	1	1	2	1	2	0	1	1
1.00 or more/hr.	0	0	0	0	0	0	0	0	0	0	0	0


SQN - Average Monthly Precipitation
Inches
6.00
5.00
4.00
3.00
2.00
1.00
0.00
4.53
3.81
4.08
4.10
3.81
3.38
3.69
2.73
3.83
2.33
4.09
4.53
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec

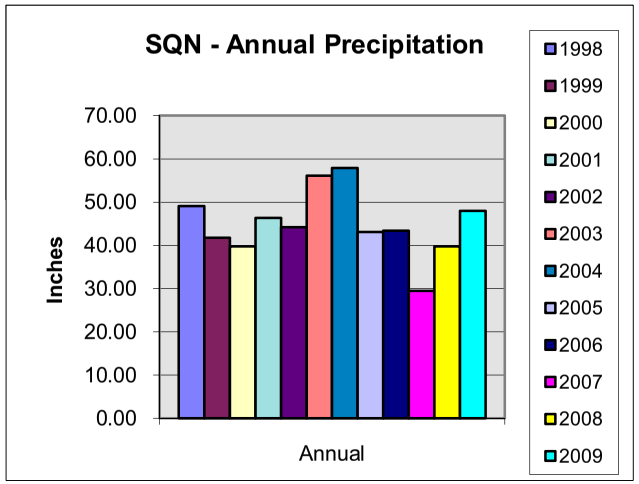

SQN - Actual Monthly Precipitation (latest 5 years)
Inches
10.00
8.00
6.00
4.00
2.00
0.00
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2004
2005
2006
2007
2008
2009

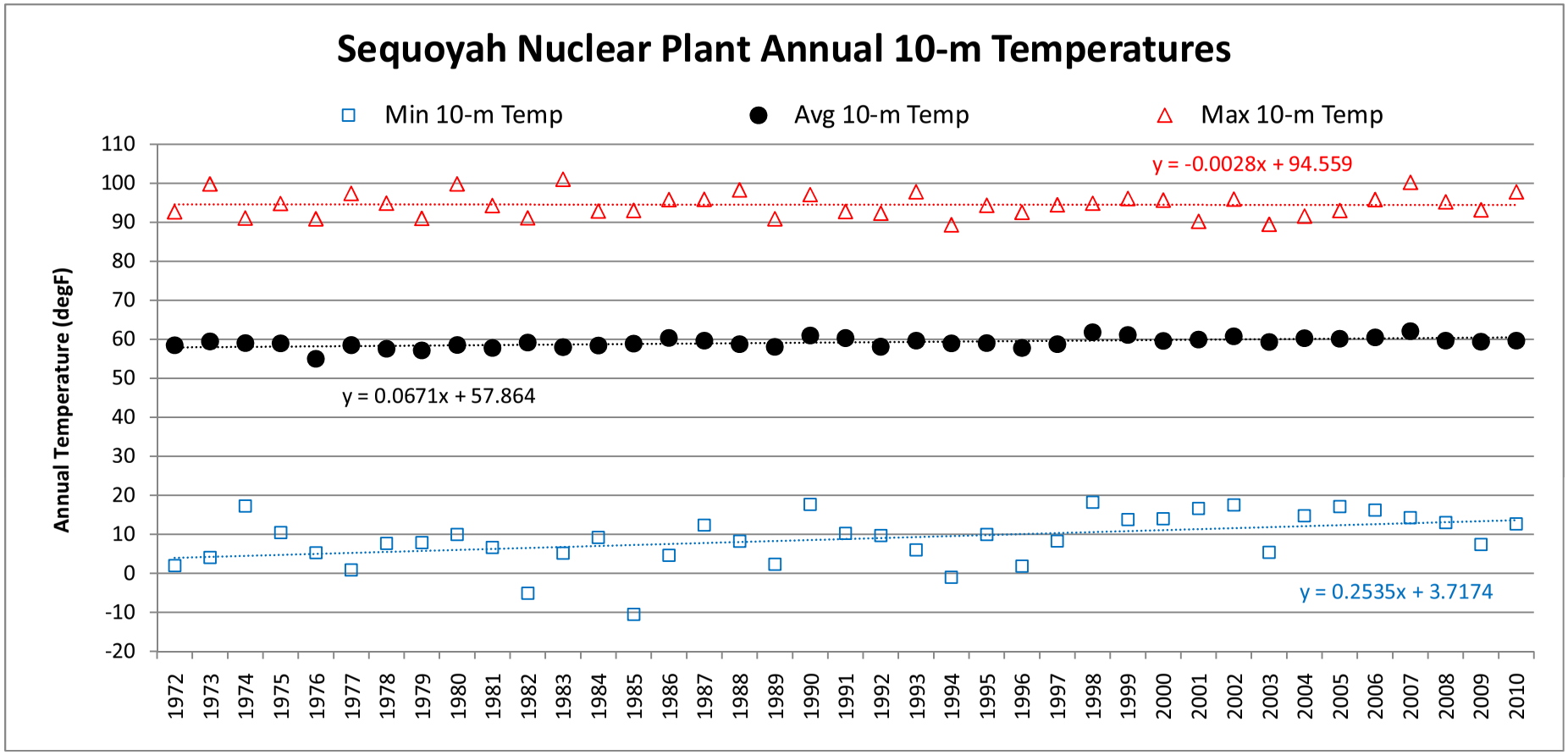
Graphics-Annual

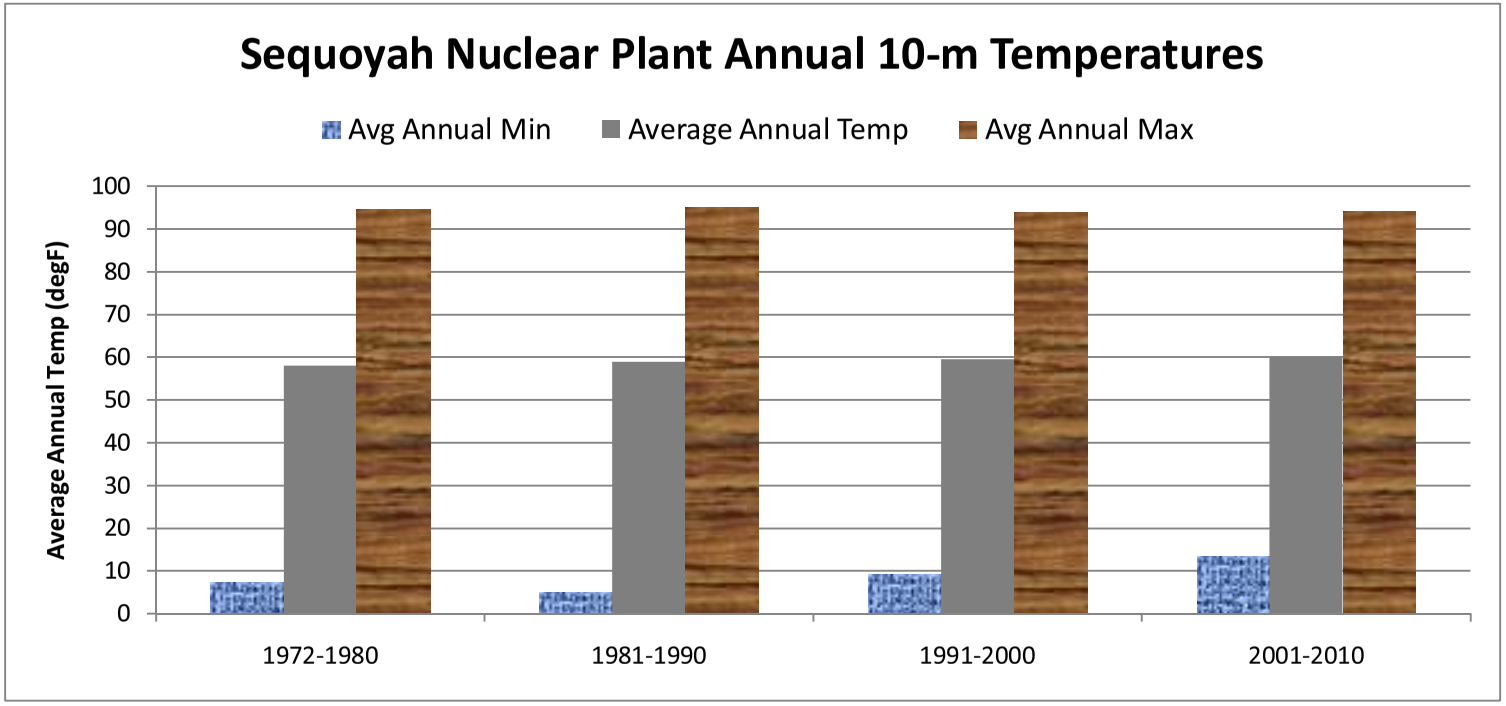
SQN Precipitation Summary
(rainfall data in inches)

	Annual
1998	49.07
1999	41.79
2000	39.78
2001	46.34
2002	44.20
2003	56.09
2004	57.92
2005	43.12
2006	43.37
2007	29.50
2008	39.73
2009	47.94
Average	**44.90**

Due to sensor outage, some rain events during 2007 were not recorded.




Sequoyah Nuclear Plant Annual 10-m Temperatures
Min 10-m Temp
Avg 10-m Temp
Max 10-m Temp
y = -0.0028x + 94.559
y = 0.0671x + 57.864
y = 0.2535x + 3.7174
Annual Temperature (degF)
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010


Sequoyah Nuclear Plant Annual 10-m Temperatures
Avg Annual Min
Average Annual Temp
Avg Annual Max
Average Annual Temp (degF)
100
90
80
70
60
50
40
30
20
10
0
1972-1980
1981-1990
1991-2000
2001-2010

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2000-2009

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL	ACC. TOTAL	ACC. FREQUENCY
2	781	693	517	92	58	40	100	211	657	821	754	266	161	154	225	457	5	5992	15211	100.00%
3	399	388	209	32	13	13	36	100	309	455	426	100	55	63	85	170	2	2855	9219	60.61%
4	290	315	134	16	4	1	6	48	193	314	277	60	38	33	55	98	1	1883	6364	41.84%
5	174	186	77	1	2	0	5	14	126	269	168	26	24	21	41	65	0	1199	4481	29.46%
6	130	169	61	1	0	0	1	16	74	153	106	14	15	12	32	62	0	846	3282	21.58%
7	79	132	43	0	1	0	0	2	53	138	66	4	6	5	24	52	0	605	2436	16.01%
8	71	107	23	0	0	0	0	4	33	84	46	7	7	6	9	23	0	420	1831	12.04%
9	57	95	8	0	0	0	1	4	26	78	32	5	2	3	13	11	0	335	1411	9.28%
10	37	64	7	0	0	0	0	1	28	78	23	1	2	2	4	5	0	252	1076	7.07%
11	23	53	4	0	0	0	0	1	10	42	16	0	0	1	6	8	0	164	824	5.42%
12	28	49	2	0	0	0	0	0	11	31	15	0	1	0	4	1	0	142	660	4.34%
13	11	44	2	0	0	0	0	0	8	25	9	0	0	2	8	5	0	114	518	3.41%
14	11	41	0	0	0	0	0	0	7	13	1	1	0	0	1	3	0	78	404	2.66%
15	10	29	0	0	0	0	0	0	6	10	2	0	0	0	1	2	0	60	326	2.14%
16	7	30	0	0	0	0	0	0	5	8	2	1	0	0	0	2	0	55	266	1.75%
17	2	15	1	0	0	0	0	1	3	11	1	1	0	0	0	0	0	35	211	1.39%
18	3	13	0	0	0	0	0	0	4	7	1	0	0	0	0	0	0	28	176	1.16%
19	3	16	0	0	0	0	0	0	2	7	2	0	0	0	0	0	0	30	148	0.97%
20	0	10	0	0	0	0	0	0	3	2	1	1	0	1	0	2	0	20	118	0.78%
21	1	5	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	13	98	0.64%
22	0	4	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	7	85	0.56%
23	1	6	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	11	78	0.51%
24	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7	67	0.44%
25	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	60	0.39%
26	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	57	0.37%
27	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	50	0.33%
28	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	45	0.30%
29	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	43	0.28%
30	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	41	0.27%
31	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	35	0.23%
32	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	32	0.21%
>32	1	27	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	30	30	0.20%
total	2123	2519	1088	142	78	54	149	402	1560	2563	1949	487	311	303	508	967	8	15211		
MAXIMUM PERSISTENCE (HOURS)	40	66	17	6	7	4	9	17	22	34	37	20	12	20	15	23	4			

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2000

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	82	72	48	5	8	3	6	23	82	82	76	28	24	13	20	50	3	627
3	41	39	19	2	0	1	2	10	26	37	39	9	4	6	4	20	0	262
4	36	33	15	2	0	1	0	3	21	32	17	5	4	7	4	12	0	196
5	20	11	5	0	0	0	0	0	9	37	15	2	1	0	4	5	0	114
6	17	14	6	0	0	0	0	1	4	16	9	1	2	1	2	5	0	84
7	12	14	1	0	0	0	0	0	4	10	4	1	0	1	1	4	0	59
8	6	4	1	0	0	0	0	0	7	7	1	0	0	0	1	1	0	36
9	2	9	2	0	0	0	0	1	2	15	5	0	0	0	2	0	0	47
10	5	10	0	0	0	0	0	0	3	9	3	0	0	0	0	1	0	41
11	0	4	0	0	0	0	0	0	1	6	0	0	0	0	0	1	0	23
12	4	2	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	24
13	4	4	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	23
14	2	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21
15	1	6	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	24
16	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	18
17	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	22
20	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	22
22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	25
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
total	235	240	97	9	8	5	8	38	161	261	171	46	35	28	40	101	3	1486
MAXIMUM PERSISTENCE (HOURS)	25	41	9	4	2	4	3	9	21	34	12	7	6	7	13	23	2	

Sequoyah Nuclear Plant - Wind Direction Persistance
Disregarding Stability Class
2001

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	68	74	63	8	4	0	13	22	81	80	71	30	14	17	31	30	2	610
3	37	46	21	3	1	2	4	8	35	52	40	7	6	3	7	11	1	287
4	28	31	18	2	0	0	0	8	17	40	21	2	1	2	1	9	1	185
5	11	21	13	1	0	0	0	1	10	28	22	2	1	1	1	7	0	124
6	12	19	6	0	0	0	0	0	6	14	9	2	1	0	1	4	0	80
7	5	15	9	0	0	0	0	0	4	6	8	1	1	0	2	6	0	64
8	8	11	6	0	0	0	0	0	6	13	4	1	0	0	2	2	0	61
9	8	9	0	0	0	0	1	3	3	9	3	0	0	0	1	1	0	47
10	6	8	0	0	0	0	0	0	2	10	1	0	0	0	0	0	0	37
11	5	3	1	0	0	0	0	0	0	6	2	0	0	0	0	0	0	28
12	3	3	0	0	0	0	0	0	1	2	1	0	0	0	0	1	0	23
13	1	4	2	0	0	0	0	0	0	6	0	0	0	0	1	0	0	27
14	2	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	21
15	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	17
16	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	19
17	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	20
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	19
19	0	2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	24
20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	22
21	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	24
22	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	24
23	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	26
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	31
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
total	197	263	139	14	5	2	18	42	168	277	183	45	24	23	47	72	4	1523
MAXIMUM PERSISTENCE (HOURS)	40	38	13	5	3	3	9	9	19	30	19	8	7	5	13	20	4	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2002

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	74	76	40	8	8	2	11	19	64	96	60	17	10	15	19	51	0	572
3	42	32	17	1	0	2	5	9	33	52	43	6	4	4	8	26	1	288
4	21	33	11	2	0	0	1	5	24	26	34	5	3	3	8	15	0	195
5	13	16	2	0	0	0	0	1	15	31	17	5	3	1	4	8	0	121
6	18	17	6	0	0	0	0	2	7	21	11	0	1	1	2	6	0	98
7	15	9	2	0	0	0	0	0	6	13	7	0	0	1	2	6	0	68
8	10	11	0	0	0	0	0	0	7	3	3	1	1	0	0	3	0	47
9	3	12	1	0	0	0	0	0	5	7	1	0	0	0	0	1	0	39
10	5	5	1	0	0	0	0	0	3	10	2	0	0	0	0	1	0	37
11	2	6	0	0	0	0	0	1	1	8	1	0	0	0	0	0	0	30
12	4	2	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	27
13	0	3	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	21
14	0	6	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	23
15	2	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	23
16	0	5	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	24
17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	18
18	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	22
19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	31
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
total	210	250	80	11	8	4	17	37	173	281	181	34	22	25	43	118	1	1495
MAXIMUM PERSISTENCE (HOURS)	19	51	10	4	2	3	4	11	18	30	13	8	8	7	7	14	3	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2003

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	88	71	36	8	6	5	9	22	60	81	81	19	15	24	25	58	0	610
3	48	39	18	10	2	1	4	13	28	47	52	7	5	2	7	14	0	300
4	29	31	13	0	2	0	2	4	27	35	31	7	2	5	5	11	0	208
5	15	18	7	0	0	0	1	1	10	26	8	1	4	3	5	6	0	110
6	15	14	7	1	0	0	0	5	6	15	11	1	1	0	7	7	0	96
7	6	12	3	0	0	0	0	0	4	20	7	0	0	0	4	6	0	69
8	5	8	2	0	0	0	0	0	3	15	2	0	0	1	2	2	0	48
9	7	5	0	0	0	0	0	0	6	8	8	0	0	0	0	0	0	43
10	5	3	0	0	0	0	0	0	4	3	2	0	0	0	1	2	0	30
11	0	4	0	0	0	0	0	0	1	5	2	0	0	0	0	1	0	24
12	1	10	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	27
13	1	5	0	0	0	0	0	0	1	4	0	0	0	1	2	3	0	30
14	1	4	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	21
15	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
16	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	22
17	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	19
18	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	20
19	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	22
20	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	22
21	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	23
22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	28
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
total	224	244	86	19	10	6	16	45	153	270	204	35	27	36	59	111	0	1545
MAXIMUM PERSISTENCE (HOURS)	26	36	8	6	4	3	5	6	20	24	11	6	6	13	13	14	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2004

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	73	61	36	10	2	8	8	24	72	82	76	27	21	9	17	32	0	560
3	41	34	14	2	0	3	3	8	37	51	37	8	3	5	7	17	0	273
4	29	24	8	1	1	0	0	6	15	40	28	2	7	3	7	9	0	184
5	19	13	5	0	0	0	1	5	18	23	12	3	3	0	6	10	0	123
6	10	9	1	0	0	0	1	0	11	17	6	1	1	4	3	3	0	73
7	10	11	6	0	0	0	0	0	10	17	6	0	1	0	1	5	0	74
8	7	16	0	0	0	0	0	0	3	5	6	1	0	0	2	5	0	53
9	10	8	0	0	0	0	0	0	1	10	1	1	0	1	3	1	0	45
10	1	5	0	0	0	0	0	0	5	5	1	0	0	0	0	1	0	28
11	6	4	0	0	0	0	0	0	2	1	1	0	0	0	0	2	0	27
12	4	5	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	27
13	1	9	0	0	0	0	0	0	3	4	1	0	0	0	0	1	0	32
14	2	7	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	25
15	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	19
16	1	1	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	22
17	0	1	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	22
18	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21
19	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
20	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	29
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8
total	219	226	70	13	3	11	13	43	182	267	177	45	36	22	47	86	0	1460
MAXIMUM PERSISTENCE (HOURS)	21	48	7	4	4	3	6	5	18	27	37	17	7	9	15	13	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2005

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	75	79	60	10	5	8	11	14	46	78	78	24	13	19	17	42	0	581
3	37	35	22	1	2	1	8	10	23	44	47	16	6	11	11	12	0	289
4	31	30	13	3	0	0	0	5	15	32	30	4	1	4	3	8	0	183
5	25	30	10	0	0	0	2	1	12	20	16	2	1	2	5	5	0	136
6	14	22	5	0	0	0	0	0	10	15	9	2	2	1	3	10	0	99
7	9	14	6	0	0	0	0	2	2	17	7	1	1	1	3	1	0	71
8	10	13	1	0	0	0	0	0	3	8	5	0	1	2	1	2	0	54
9	6	14	2	0	0	0	0	0	1	4	2	0	1	1	1	1	0	42
10	3	8	1	0	0	0	0	0	1	6	1	0	0	0	0	0	0	30
11	5	4	0	0	0	0	0	0	1	1	1	0	0	0	2	0	0	25
12	2	5	2	0	0	0	0	0	0	2	2	0	0	0	2	0	0	27
13	2	8	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	26
14	3	1	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	23
15	1	3	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	23
16	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	23
17	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	21
18	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	20
19	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	21
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
32	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
>32	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
total	223	280	122	14	7	9	21	33	122	235	198	49	26	42	48	82	0	1511
MAXIMUM PERSISTENCE (HOURS)	15	66	12	4	3	3	5	17	18	19	12	7	9	13	12	16	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2006

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	79	72	64	12	5	2	10	24	72	68	78	37	20	18	30	53	0	646
3	41	28	30	5	1	0	3	9	30	41	45	9	5	11	12	16	0	289
4	27	39	16	1	1	0	0	3	17	19	28	11	5	2	8	7	0	188
5	15	23	8	0	0	0	0	1	10	37	23	1	4	3	6	7	0	143
6	8	19	11	0	0	0	0	2	5	13	11	2	1	2	6	10	0	96
7	4	21	7	0	0	0	0	0	5	15	6	0	3	0	3	7	0	78
8	1	8	2	0	0	0	0	1	0	5	5	1	2	0	1	2	0	36
9	7	7	2	0	0	0	0	0	1	10	5	1	1	0	4	2	0	49
10	6	5	2	0	0	0	0	0	4	7	1	0	0	0	0	0	0	35
11	1	7	1	0	0	0	0	0	2	3	4	0	0	0	0	0	0	29
12	1	5	0	0	0	0	0	0	2	4	1	0	0	0	0	0	0	25
13	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
14	0	8	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	25
15	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
16	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
17	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
18	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
19	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	21
20	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	21
21	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
22	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	24
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	24
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
total	196	258	144	18	7	2	13	40	150	226	207	62	41	36	70	105	0	1575
MAXIMUM PERSISTENCE (HOURS)	16	48	17	4	4	2	3	8	14	23	12	9	9	6	9	14	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2007

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	77	61	63	11	9	4	10	27	65	83	77	20	13	11	28	56	0	617
3	31	54	22	2	3	1	3	8	34	52	40	12	7	6	8	16	0	302
4	28	32	11	1	0	0	1	7	18	19	38	8	1	1	9	10	0	188
5	21	14	8	0	0	0	1	3	15	24	22	3	2	3	3	3	0	127
6	9	20	8	0	0	0	0	3	14	18	15	1	1	1	4	7	0	107
7	5	18	5	0	0	0	0	0	2	18	5	0	0	1	2	5	0	68
8	5	11	5	0	0	0	0	2	0	11	4	0	0	0	0	3	0	49
9	3	9	0	0	0	0	0	0	2	6	4	1	0	1	1	1	0	37
10	1	8	2	0	0	0	0	0	2	11	3	1	0	0	0	0	0	38
11	1	11	0	0	0	0	0	0	2	5	2	0	0	1	2	0	0	35
12	2	7	0	0	0	0	0	0	0	3	4	0	0	0	1	0	0	29
13	0	4	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	21
14	0	3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	19
15	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	18
16	2	2	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	23
17	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	19
18	0	4	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	25
19	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
>32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	187	264	124	14	12	5	15	50	156	256	218	47	24	25	59	101	0	1557
MAXIMUM PERSISTENCE (HOURS)	17	32	10	4	3	3	5	8	18	18	18	14	6	11	13	9	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2008

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	84	62	52	8	3	3	8	17	60	83	73	39	14	14	22	46	0	590
3	41	51	23	2	3	1	2	9	27	46	41	17	9	6	13	19	0	313
4	36	26	16	3	0	0	2	4	13	32	31	8	7	2	7	9	0	200
5	15	21	9	0	1	0	0	1	17	20	17	5	3	5	6	7	0	132
6	17	20	3	0	0	0	0	2	6	13	12	2	3	1	2	7	0	94
7	6	6	2	0	1	0	0	0	5	10	7	0	0	0	3	10	0	57
8	11	8	3	0	0	0	0	0	4	6	8	1	1	0	0	2	0	52
9	6	13	0	0	0	0	0	0	3	3	2	0	0	0	1	1	0	38
10	5	6	1	0	0	0	0	1	1	8	5	0	2	1	0	0	0	40
11	1	4	1	0	0	0	0	0	0	4	2	0	0	0	1	3	0	27
12	2	6	0	0	0	0	0	0	2	6	2	0	0	0	0	0	0	30
13	0	2	0	0	0	0	0	0	1	5	2	0	0	0	0	0	0	23
14	1	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	20
15	0	3	0	0	0	0	0	0	2	3	2	0	0	0	0	0	0	25
16	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	20
17	1	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22
18	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	22
19	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	22
20	0	1	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	25
21	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	22
22	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	23
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
total	226	245	110	13	8	4	12	34	145	244	206	73	39	30	55	105	0	1549
MAXIMUM PERSISTENCE (HOURS)	17	37	11	4	7	3	4	10	22	21	20	20	10	20	11	16	1	

Sequoyah Nuclear Plant - Wind Direction Persistence
Disregarding Stability Class
2009

PERSISTENCE (HOURS)	Wind Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
2	81	65	55	12	8	5	14	19	55	88	84	25	17	14	16	39	0	599
3	40	30	23	4	1	1	2	16	36	33	42	9	6	9	8	19	0	282
4	25	36	13	1	0	0	0	3	26	39	19	8	7	4	3	8	0	196
5	20	19	10	0	1	0	0	0	10	23	16	2	2	3	1	7	0	119
6	10	15	8	0	0	0	0	1	5	11	13	2	2	1	2	3	0	79
7	7	12	2	0	0	0	0	0	11	12	9	1	0	1	3	2	0	67
8	8	17	3	0	0	0	0	1	0	11	8	2	2	3	0	1	0	64
9	5	9	1	0	0	0	0	0	2	6	1	2	0	0	0	3	0	38
10	0	6	0	0	0	0	0	0	3	9	4	0	0	1	3	0	0	36
11	2	6	1	0	0	0	0	0	0	3	1	0	0	0	1	1	0	26
12	5	4	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	23
13	1	3	0	0	0	0	0	0	0	2	3	0	0	0	2	1	0	25
14	0	3	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	20
15	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	22
16	0	7	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	25
17	0	3	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	24
18	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	20
19	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22
20	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	24
21	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	22
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	24
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
>32	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
total	206	249	116	17	10	6	16	40	150	246	204	51	37	36	40	86	0	1510
MAXIMUM PERSISTENCE (HOURS)	26	56	11	4	5	3	3	8	20	23	19	9	12	10	14	20	1	