

CALVERT CLIFFS UNITS 1 AND 2
BALTIMORE GAS AND ELECTRIC COMPANY
METEOROLOGICAL SUMMARY
JULY - DECEMBER, 1981

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Enclosed are the summaries of the meteorological data for July - December 1981. These summaries consist of:

Third Quarter (July - September) 1981

Table 1 Wind Frequency Distribution; Winds Reduced from 125' Level to 33' Level. This set of eight tables presents, for each stability class and for the stability independent condition, the frequency in number of occurrences and in percent of the total observations.

Table 2 Wind Frequency Distribution; Winds Reduced from 125' Level to 33' Level; Periods of Batch Release. This set of Tables presents, for each stability class and for the stability independent condition, the frequency in number of occurrences and in percent of the total observations.

Fourth Quarter (October - December) 1981

Table 1 Wind Frequency Distribution; Winds Reduced from 125' Level to 33' Level. This set of eight tables presents, for each stability class and for the stability independent condition, the frequency in number of occurrences and in percent of the total observations.

Table 2 Wind Frequency Distribution; Winds Reduced from 125' Level to 33' Level; Period of Batch Release. This set of eight tables presents, for each stability class and for the stability independent condition, the frequency in number of occurrences and in percent of the total observations.

The meteorological data used in these analyses are as follows:

Wind Speed	125 foot
Wind Direction	125 foot
Delta-Temperature	30-200 foot

JULY - SEPTEMBER 1981

TABLE #1

REVISION 0

CALVERT CLIFFS NUCLEAR SITE
BATHORE GAS AND ELECTRIC COMPANY
MIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS 6 (30-200 FOOT)
MINDS AT 33 FOOT LEVEL

MIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

MINIMUM SPEED (M/S)

MIND	DIRECTION	MEAN	TOTAL	SPEED
.220-	.500	18.0	13.1	18
.510-	.750		10.1	13
1.10-	1.50		7.10	10
1.60-	2		5.10	7
2.10-	3		3.10	5
2.60-	4		2.10	3
3.10-	5		1.60	2
3.60-	6		1.10	1.50
4.10-	7		.760-	1
4.60-	8			
5.10-	9			
5.60-	10			
6.10-	11			
6.60-	12			
7.10-	13			
7.60-	14			
8.10-	15			
8.60-	16			
9.10-	17			
9.60-	18			
10.10-	19			
10.60-	20			
11.10-	21			
11.60-	22			
12.10-	23			
12.60-	24			
13.10-	25			
13.60-	26			
14.10-	27			
14.60-	28			
15.10-	29			
15.60-	30			
16.10-	31			
16.60-	32			
17.10-	33			
17.60-	34			
18.10-	35			
18.60-	36			
19.10-	37			
19.60-	38			
20.10-	39			
20.60-	40			
21.10-	41			
21.60-	42			
22.10-	43			
22.60-	44			
23.10-	45			
23.60-	46			
24.10-	47			
24.60-	48			
25.10-	49			
25.60-	50			
26.10-	51			
26.60-	52			
27.10-	53			
27.60-	54			
28.10-	55			
28.60-	56			
29.10-	57			
29.60-	58			
30.10-	59			
30.60-	60			
31.10-	61			
31.60-	62			
32.10-	63			
32.60-	64			
33.10-	65			
33.60-	66			
34.10-	67			
34.60-	68			
35.10-	69			
35.60-	70			
36.10-	71			
36.60-	72			
37.10-	73			
37.60-	74			
38.10-	75			
38.60-	76			
39.10-	77			
39.60-	78			
40.10-	79			
40.60-	80			
41.10-	81			
41.60-	82			
42.10-	83			
42.60-	84			
43.10-	85			
43.60-	86			
44.10-	87			
44.60-	88			
45.10-	89			
45.60-	90			
46.10-	91			
46.60-	92			
47.10-	93			
47.60-	94			
48.10-	95			
48.60-				

[illegible]

NUMBER OF CALMS

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS G (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	1	0	0	0	0	0	0	0	0	0	0	0	1	.49
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	.54
NE	1	0	0	0	0	0	0	0	0	0	0	0	1	.49
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	1	1	0	0	0	0	0	0	0	0	0	0	2	.54
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	2	0	0	0	0	0	0	0	0	2	1.25
SW	0	2	0	2	0	0	0	0	0	0	0	0	4	.95
WSW	2	1	8	1	0	0	0	0	0	0	0	0	12	.89
W	0	7	2	1	0	0	0	0	0	0	0	0	10	.72
WNW	0	1	3	1	0	0	0	0	0	0	0	0	5	.95
NW	0	1	2	0	0	0	0	0	0	0	0	0	3	.79
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
TOTAL	5	14	15	7	0	0	0	0	0	0	0	0	41	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	REL TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.96
S	.00	.00	.82	1.37	.00	.00	.00	.00	.00	.00	.00	.00	2.19	1.17
SSH	.00	.00	.00	.82	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.24
SH	.27	.82	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.70
WSH	.00	.00	1.37	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.99
W	.27	.00	1.09	.27	.00	.00	.00	.00	.00	.00	.00	.00	1.64	.90
WNW	.00	.00	.82	1.09	.00	.00	.00	.00	.00	.00	.00	.00	1.91	1.11
NW	.00	.00	.55	.27	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.10
NNW	.00	.27	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	.85
TOTAL	.55	1.09	5.74	3.83	.00	.00	.00	.00	.00	.00	.00	.00	11.20	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	2	0	0	0	0	0	0	0	0	0	2	.96
S	0	0	3	5	0	0	0	0	0	0	0	0	8	1.17
SSW	0	0	0	3	0	0	0	0	0	0	0	0	3	1.24
SW	1	3	1	0	0	0	0	0	0	0	0	0	5	.70
WSW	0	0	5	0	0	0	0	0	0	0	0	0	5	.99
W	1	0	4	1	0	0	0	0	0	0	0	0	6	.90
WNW	0	0	3	4	0	0	0	0	0	0	0	0	7	1.11
NW	0	0	2	1	0	0	0	0	0	0	0	0	3	1.10
NNW	0	1	1	0	0	0	0	0	0	0	0	0	2	.85
TOTAL	2	4	21	14	0	0	0	0	0	0	0	0	41	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS E (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

[illegible]

TOTAL	1.09	3.83	8.47	9.84	.00	.27	.00	.00	.00	.00	23.50
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NUMBER OF CALMS

NUMBER OF INVALID HOURS 6 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	POU TOTAL	MEAN SPEED
N	0	2	2	0	0	0	0	0	0	0	0	0	4	.74
NNE	1	0	0	0	0	0	0	0	0	0	0	0	1	.45
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	1	0	0	0	0	0	0	0	0	0	0	0	1	.49
SE	0	1	1	0	0	0	0	0	0	0	0	0	2	.76
SSE	0	2	3	1	0	0	0	0	0	0	0	0	6	.86
S	0	2	4	2	0	0	0	0	0	0	0	0	8	.94
SSW	0	1	4	14	0	0	0	0	0	0	0	0	19	1.20
SW	0	1	4	8	0	0	0	0	0	0	0	0	13	1.13
WSW	0	1	7	1	0	0	0	0	0	0	0	0	9	.94
W	0	0	3	5	0	0	0	0	0	0	0	0	8	1.06
WNW	0	4	0	4	0	0	0	0	0	0	0	0	8	.90
NW	1	0	0	0	0	0	0	0	0	0	0	0	1	.45
NNW	1	0	3	1	0	1	0	0	0	0	0	0	6	1.13
TOTAL	4	14	31	36	0	1	0	0	0	0	0	0	86	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF PELEGE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS H. 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.55	.55	1.09	.00	.00	.00	.00	.00	.00	.00	.00	2.19	1.01
NNE	.00	.82	.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.64	.80
NE	.00	.55	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09	.80
ENE	.00	.27	.82	.27	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.97
E	.00	1.64	.82	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.46	.77
ESE	.00	.00	.82	.55	.00	.00	.00	.00	.00	.00	.00	.00	1.37	1.10
SE	.27	.82	1.91	1.37	.00	.00	.00	.00	.00	.00	.00	.00	4.37	1.03
SSE	.27	.55	.82	2.19	.27	.00	.00	.00	.00	.00	.00	.00	4.10	1.09
S	.00	.00	.27	.55	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.13
SSW	.00	.27	.00	1.37	.82	.00	.00	.00	.00	.00	.00	.00	2.46	1.51
SW	.00	.00	.82	1.37	.00	.00	.00	.00	.00	.00	.00	.00	2.19	1.17
WSW	.27	.55	1.91	.27	.00	.00	.00	.00	.00	.00	.00	.00	3.01	.87
W	.00	.27	.27	1.09	.00	.00	.00	.00	.00	.00	.00	.00	1.64	1.10
WNW	.27	.82	.55	.27	.00	.00	.00	.00	.00	.00	.00	.00	1.91	.80
NW	.27	.00	.55	.00	.55	.00	.00	.00	.00	.00	.00	.00	1.37	1.25
NNW	.00	.27	1.37	.55	.55	.00	.00	.00	.00	.00	.00	.00	2.73	1.11
TOTAL	1.37	7.36	12.84	10.93	2.19	.00	.00	.00	.00	.00	.00	.00	34.70	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	POW TOTAL	MEAN SPEED
N	0	2	2	4	0	0	0	0	0	0	0	0	0	8	1.01
NNE	0	3	3	0	0	0	0	0	0	0	0	0	0	6	.80
NE	0	2	2	0	0	0	0	0	0	0	0	0	0	4	.80
ENE	0	1	3	1	0	0	0	0	0	0	0	0	0	5	.97
E	0	6	3	0	0	0	0	0	0	0	0	0	0	9	.77
ESE	0	0	3	2	0	0	0	0	0	0	0	0	0	5	1.10
SE	1	3	7	5	0	0	0	0	0	0	0	0	0	16	1.03
SSE	1	2	3	8	1	0	0	0	0	0	0	0	0	15	1.09
S	0	0	1	2	0	0	0	0	0	0	0	0	0	3	1.13
SSW	0	1	0	5	3	0	0	0	0	0	0	0	0	9	1.51
SW	0	0	3	5	0	0	0	0	0	0	0	0	0	8	1.17
WSW	1	2	7	1	0	0	0	0	0	0	0	0	0	11	.87
W	0	1	1	4	0	0	0	0	0	0	0	0	0	6	1.10
WNW	1	3	2	1	0	0	0	0	0	0	0	0	0	7	.80
NW	1	0	2	0	2	0	0	0	0	0	0	0	0	5	1.25
NNW	0	1	5	2	2	0	0	0	0	0	0	0	0	10	1.11
TOTAL	5	27	47	40	8	0	0	0	0	0	0	0	0	127	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVEET CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.55	.27	.27	.00	.00	.00	.00	.00	.00	.00	1.09	1.35
NNE	.00	.00	.55	.82	.00	.00	.00	.00	.00	.00	.00	.00	1.37	1.12
NE	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.00	.00	.27	1.30
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.27	.27	.00	.00	.00	.00	.00	.00	.55	2.01
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.27	2.46
SW	.00	.00	.00	.55	.27	.55	.00	.00	.00	.00	.00	.00	1.37	1.75
WSW	.00	.00	.00	.82	.27	.00	.00	.00	.00	.00	.00	.00	1.09	1.33
W	.00	.00	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.55	1.61
WNW	.00	.00	.00	.82	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.28
NW	.00	.00	.00	.55	.27	.00	.00	.00	.00	.00	.00	.00	.82	1.49
NNW	.00	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.27

TOTAL .00 .00 1.09 4.64 1.91 1.09 .00 .00 .00 .00 .00 .00 .00 8.74

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	2	1	1	0	0	0	0	0	0	0	0	4	1.35
NNE	0	0	2	3	0	0	0	0	0	0	0	0	0	5	1.12
NE	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1.30
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	1	0	1	0	0	0	0	0	0	2	2.01
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2.46
SW	0	0	0	2	1	1	2	0	0	0	0	0	0	5	1.75
WSW	0	0	0	3	1	1	0	0	0	0	0	0	0	4	1.33
W	0	0	0	0	2	2	0	0	0	0	0	0	0	2	1.61
WNW	0	0	0	3	0	0	0	0	0	0	0	0	0	3	1.28
NW	0	0	0	2	1	1	0	0	0	0	0	0	0	3	1.49
NNW	0	0	0	2	0	0	0	0	0	0	0	0	0	2	1.27
TOTAL	0	0	4	17	7	4	0	0	0	0	0	0	0	32	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.82	1.09	.27	.00	.00	.00	.00	.00	.00	2.19	1.65
NNE	.00	.00	.27	.27	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.23
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.27	.27	.00	.00	.00	.00	.00	.00	.00	.55	1.56
WSW	.00	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.16
W	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.00	.00	.27	1.52
WNW	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.00	.00	.27	1.48
NW	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.00	.00	.27	1.25
NNW	.00	.00	.00	.27	.00	.27	.00	.00	.00	.00	.00	.00	.55	1.90
TOTAL	.00	.00	.27	3.01	1.37	.55	.00	.00	.00	.00	.00	.00	5.19	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	3	4	1	0	0	0	0	0	0	8	1.65
NNE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.23
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	1	1	0	0	0	0	0	0	0	2	1.56
WSW	0	0	0	2	0	0	0	0	0	0	0	0	2	1.16
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.52
WNW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.48
NW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.25
NNW	0	0	0	1	0	1	0	0	0	0	0	0	2	1.90
TOTAL	0	0	1	11	5	2	0	0	0	0	0	0	19	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.27	2.19	1.37	.55	.00	.00	.00	.00	.00	.00	.00	4.37	1.58
NNE	.00	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.25
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.27	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.05
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.55	3.01	1.37	.55	.00	.00	.00	.00	.00	.00	.00	5.46	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	8	5	2	0	0	0	0	0	0	16	1.58
NNE	0	0	0	2	0	0	0	0	0	0	0	0	2	1.25
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	1	1	0	0	0	0	0	0	0	0	2	1.05
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
TOTAL	0	0	2	11	5	2	0	0	0	0	0	0	20	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 366 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

TABLE #2

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 MIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS 6 (30-200 FOOT)
 MINDS AT 33 FOOT LEVEL

MIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

MIND SPEED (M/S)

DIRECTION	.220-	.500-	.510-	.750-	1	1.10-	1.50-	2	3	5	7	10	13	18	18.0	TOTAL	MEAN SPEED
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N	.09	.09	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.67
NNE	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.54
NE	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.54
ESE	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.54
SE	.09	.09	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.50
SSE	.00	.14	.05	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.74
S	.00	.05	.05	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.95
SSM	.00	.09	.14	.23	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	1.06
SM	.09	.23	.23	.18	1.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.72	.91
MSM	.09	.18	.72	.63	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54	.82
M	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54	.82
MNM	.05	.14	.36	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.82	.94
NM	.00	.23	.23	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.82
MNM	.00	.23	.18	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	.81

TOTAL

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 12	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	2	2	1	0	0	0	0	0	0	0	0	0	5	.67
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	.54
NE	1	1	0	0	0	0	0	0	0	0	0	0	2	.54
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	1	1	0	0	0	0	0	0	0	0	0	0	2	.54
SE	2	2	1	0	0	0	0	0	0	0	0	0	5	.60
SSE	0	3	2	0	0	0	0	0	0	0	0	0	5	.74
S	0	1	3	1	0	0	0	0	0	0	0	0	5	.95
SSW	0	2	3	5	0	0	0	0	0	0	0	0	10	1.06
SW	2	5	5	4	0	0	0	0	0	0	0	0	16	.91
WSW	2	4	22	2	0	0	0	0	0	0	0	0	30	.89
W	0	16	14	4	0	0	0	0	0	0	0	0	34	.82
WNW	1	3	8	6	0	0	0	0	0	0	0	0	18	.94
NW	0	5	5	1	0	0	0	0	0	0	0	0	11	.82
NNW	0	5	4	1	0	0	0	0	0	0	0	0	10	.81
TOTAL	11	51	68	24	0	0	0	0	0	0	0	0	154	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

MIND FREQUENCY DISTRIBUTION

DIRECTION	MIND	.220-	.510-	.750-	1	1.50-	1.10-	1.60-	2	2.10-	3	3.10-	5.10-	7.10-	10.1-	13.1-	18.0	ROM	MEAN	SPEED
N	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.98
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.67
E	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.67
ESE	.00	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.69
SE	.05	.05	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.00	.72
SSE	.05	.09	.27	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	.00	.93
S	.00	.14	.36	.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.22	.00	1.11
SSM	.05	.00	.23	1.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.49	.00	1.21
SM	.05	.41	.86	.86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.17	.00	1.02
MSM	.00	.23	1.18	.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.99	.00	.99
M	.05	.00	.54	.54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.13	.00	1.04
MNM	.00	.05	.59	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.13	.00	1.07
NM	.00	.00	.41	.54	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	.00	1.17
NNM	.00	.09	.14	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41	.00	1.09
TOTAL	.23	1.31	4.76	5.30	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.64		

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS F (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	0	0	0	0	0	0	0	0	0	1	.98
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	1	0	0	0	0	0	0	0	0	0	0	1	.67
E	0	2	0	0	0	0	0	0	0	0	0	0	2	.67
ESE	0	3	1	0	0	0	0	0	0	0	0	0	4	.69
SE	1	1	2	0	0	0	0	0	0	0	0	0	4	.72
SSE	1	2	6	3	0	0	0	0	0	0	0	0	12	.93
S	0	3	8	16	0	0	0	0	0	0	0	0	27	1.11
SSW	1	0	5	27	0	0	0	0	0	0	0	0	33	1.21
SW	1	9	19	19	0	0	0	0	0	0	0	0	48	1.02
WSW	0	5	26	13	0	0	0	0	0	0	0	0	44	.99
W	1	0	12	12	0	0	0	0	0	0	0	0	25	1.04
WNW	0	1	13	11	0	0	0	0	0	0	0	0	25	1.07
NW	0	0	9	12	1	0	0	0	0	0	0	0	22	1.17
NNW	0	2	3	4	0	0	0	0	0	0	0	0	9	1.09
TOTAL	5	29	105	117	1	0	0	0	0	0	0	0	257	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROM TOTAL	MEAN SPEED
N	.00	.14	.27	.23	.09	.00	.00	.00	.00	.00	.00	.00	.72	1.14
NNE	.09	.05	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.32	.87
NE	.05	.09	.18	.05	.00	.00	.00	.00	.00	.00	.00	.00	.36	.85
ENE	.00	.41	.27	.05	.00	.00	.00	.00	.00	.00	.00	.00	.72	.79
E	.05	.14	.23	.18	.00	.00	.00	.00	.00	.00	.00	.00	.59	.92
ESE	.05	.27	.23	.14	.00	.00	.00	.00	.00	.00	.00	.00	.68	.88
SE	.00	.23	.36	.09	.00	.00	.00	.00	.00	.00	.00	.00	.68	.86
SSE	.05	.14	.86	.32	.00	.00	.00	.00	.00	.00	.00	.00	1.35	.93
S	.00	.23	1.27	.95	.05	.00	.00	.00	.00	.00	.00	.00	2.49	1.06
SSW	.00	.14	.85	1.81	.00	.00	.00	.00	.00	.00	.00	.00	2.81	1.15
SW	.00	.59	1.27	2.04	.00	.00	.00	.00	.00	.00	.00	.00	3.89	1.09
WSW	.14	.32	1.68	.91	.00	.00	.00	.00	.00	.00	.00	.00	3.03	.98
W	.05	.05	.68	.68	.00	.00	.00	.00	.00	.00	.00	.00	1.45	1.05
WNW	.05	.32	.50	.82	.05	.00	.00	.00	.00	.00	.00	.00	1.72	1.07
NW	.05	.09	.18	1.18	.59	.05	.00	.00	.00	.00	.00	.00	2.13	1.41
NNW	.05	.09	.50	1.09	.59	.27	.00	.00	.00	.00	.00	.00	2.58	1.43
TOTAL	.59	3.26	9.42	10.60	1.36	.32	.00	.00	.00	.00	.00	.00	25.54	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	3	6	5	2	0	0	0	0	0	0	0	16	1.14
NNE	2	1	2	2	0	0	0	0	0	0	0	0	7	.87
NE	1	2	4	1	0	0	0	0	0	0	0	0	8	.85
ENE	0	9	6	1	0	0	0	0	0	0	0	0	16	.79
E	1	3	5	4	0	0	0	0	0	0	0	0	13	.92
ESE	1	6	5	3	0	0	0	0	0	0	0	0	15	.88
SE	0	5	8	2	0	0	0	0	0	0	0	0	15	.86
SSE	1	3	19	7	0	0	0	0	0	0	0	0	30	.93
S	0	5	28	21	1	0	0	0	0	0	0	0	55	1.06
SSW	0	3	19	40	0	0	0	0	0	0	0	0	62	1.15
SW	0	13	28	45	0	0	0	0	0	0	0	0	86	1.09
WSW	3	7	37	20	0	0	0	0	0	0	0	0	67	.98
W	1	1	15	15	0	0	0	0	0	0	0	0	32	1.05
WNW	1	7	11	18	1	0	0	0	0	0	0	0	38	1.07
NW	1	2	4	26	13	1	0	0	0	0	0	0	47	1.41
NNW	1	2	11	24	13	6	0	0	0	0	0	0	57	1.43
TOTAL	13	72	208	234	30	7	0	0	0	0	0	0	564	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.27	.36	.54	.45	.63	.00	.00	.00	.00	.00	.00	2.26	1.59
NNE	.00	.23	.41	.50	.36	.45	.00	.00	.00	.00	.00	.00	1.95	1.52
NE	.00	.27	.68	.54	.91	.54	.05	.00	.00	.00	.00	.00	2.99	1.55
ENE	.00	.54	.95	.36	.36	.05	.00	.00	.00	.00	.00	.00	2.26	1.10
E	.00	.95	1.72	.77	.00	.05	.00	.00	.00	.00	.00	.00	3.49	.97
ESE	.05	.45	2.31	1.77	.05	.00	.00	.00	.00	.00	.00	.00	4.62	1.05
SE	.05	.45	2.04	1.36	.18	.05	.00	.00	.00	.00	.00	.00	4.12	1.09
SSE	.09	.23	1.22	2.04	.36	.05	.00	.00	.00	.00	.00	.00	3.99	1.18
S	.00	.23	.95	1.18	.14	.00	.00	.00	.00	.00	.00	.00	2.49	1.11
SSW	.09	.27	.54	.82	.23	.00	.00	.00	.00	.00	.00	.00	1.95	1.16
SW	.00	.50	.72	.68	.09	.00	.00	.00	.00	.00	.00	.00	1.99	1.02
WSW	.05	.82	1.31	.32	.00	.00	.00	.00	.00	.00	.00	.00	2.49	.86
W	.09	.23	.63	.59	.05	.00	.00	.00	.00	.00	.00	.00	1.59	1.00
WNW	.05	.36	.50	.41	.00	.00	.00	.00	.00	.00	.00	.00	1.31	.99
NW	.09	.14	.32	.50	.59	.00	.00	.00	.00	.00	.00	.00	1.63	1.32
NNW	.00	.14	.50	.82	.82	.09	.00	.00	.00	.00	.00	.00	2.36	1.43
TOTAL	.54	6.07	15.17	13.18	4.57	1.90	.05	.00	.00	.00	.00	.00	41.49	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS D (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	POW TOTAL	MEAN SPEED
N	0	6	8	12	10	14	0	0	0	0	0	0	50	1.59
NNE	0	5	9	11	8	10	0	0	0	0	0	0	43	1.52
NE	0	6	15	12	20	12	1	0	0	0	0	0	66	1.55
ENE	0	12	21	8	8	1	0	0	0	0	0	0	50	1.10
E	0	21	38	17	0	1	0	0	0	0	0	0	77	.97
ESE	1	10	51	39	1	0	0	0	0	0	0	0	102	1.05
SE	1	10	45	30	4	1	0	0	0	0	0	0	91	1.09
SSE	2	5	27	45	8	1	0	0	0	0	0	0	88	1.18
S	0	5	21	26	3	0	0	0	0	0	0	0	55	1.11
SSW	2	6	12	18	5	0	0	0	0	0	0	0	43	1.16
SW	0	11	16	15	2	0	0	0	0	0	0	0	44	1.02
WSW	1	18	29	7	0	0	0	0	0	0	0	0	55	.86
W	2	5	14	13	1	0	0	0	0	0	0	0	35	1.00
WNW	1	8	11	9	0	0	0	0	0	0	0	0	29	.99
NW	2	3	7	11	13	0	0	0	0	0	0	0	36	1.32
NNW	0	3	11	18	18	2	0	0	0	0	0	0	52	1.43
TOTAL	12	134	335	291	101	42	1	0	0	0	0	0	916	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS C (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.09	.27	.05	.09	.00	.00	.00	.00	.00	.00	.50	1.60
NNE	.00	.00	.09	.41	.14	.00	.00	.00	.00	.00	.00	.00	.63	1.36
NE	.00	.00	.00	.09	.05	.14	.00	.00	.00	.00	.00	.00	.27	1.88
ENE	.00	.00	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.00
E	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.29
ESE	.00	.00	.14	.54	.05	.00	.00	.00	.00	.00	.00	.00	.72	1.33
SE	.00	.00	.00	.27	.09	.05	.00	.00	.00	.00	.00	.00	.41	1.62
SSE	.00	.00	.00	.14	.14	.23	.00	.00	.00	.00	.00	.00	.50	1.85
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSH	.00	.00	.00	.09	.14	.09	.00	.00	.00	.00	.00	.00	.32	1.85
SW	.00	.05	.00	.09	.18	.14	.00	.00	.00	.00	.00	.00	.45	1.68
WSW	.00	.00	.14	.50	.05	.00	.00	.00	.00	.00	.00	.00	.68	1.31
W	.00	.00	.09	.23	.18	.00	.00	.00	.00	.00	.00	.00	.50	1.42
WNW	.00	.00	.18	.32	.14	.00	.00	.00	.00	.00	.00	.00	.63	1.30
NW	.00	.00	.00	.18	.09	.00	.00	.00	.00	.00	.00	.00	.27	1.44
NNW	.00	.00	.05	.27	.23	.18	.00	.00	.00	.00	.00	.00	.72	1.68

TOTAL .00 .05 1.00 3.58 1.49 .91 .00 .00 .00 .00 .00 .00 .00 7.02

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	2	6	1	2	0	0	0	0	0	0	11	1.60
NNE	0	0	2	9	3	0	0	0	0	0	0	0	14	1.36
NE	0	0	0	2	1	3	0	0	0	0	0	0	6	1.88
ENE	0	0	5	0	0	0	0	0	0	0	0	0	5	1.00
E	0	0	0	4	0	0	0	0	0	0	0	0	4	1.29
ESE	0	0	3	12	1	0	0	0	0	0	0	0	16	1.33
SE	0	0	0	6	2	1	0	0	0	0	0	0	9	1.62
SSE	0	0	0	3	3	5	0	0	0	0	0	0	11	1.85
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	2	3	2	0	0	0	0	0	0	7	1.85
SW	0	1	0	2	4	3	0	0	0	0	0	0	10	1.68
WSW	0	0	3	11	1	0	0	0	0	0	0	0	15	1.31
W	0	0	2	5	4	0	0	0	0	0	0	0	11	1.42
WNW	0	0	4	7	3	0	0	0	0	0	0	0	14	1.30
NW	0	0	0	4	2	0	0	0	0	0	0	0	6	1.44
NNW	0	0	1	6	5	4	0	0	0	0	0	0	16	1.68
TOTAL	0	1	22	79	33	20	0	0	0	0	0	0	155	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2203 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN PERCENT OF TOTAL

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.54	.27	.14	.00	.00	.00	.00	.00	.00	.95	1.63
NNE	.00	.00	.14	.18	.05	.05	.09	.00	.00	.00	.00	.00	.50	1.85
NE	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	1.61
ENE	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.46
E	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.39
ESE	.00	.00	.00	.27	.05	.00	.00	.00	.00	.00	.00	.00	.32	1.42
SE	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	1.65
SSE	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.09	2.01
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.23	.05	.00	.00	.00	.00	.00	.00	.00	.27	1.49
WSW	.00	.00	.05	.18	.09	.00	.00	.00	.00	.00	.00	.00	.32	1.35
W	.00	.00	.00	.14	.09	.00	.00	.00	.00	.00	.00	.00	.23	1.56
WNW	.00	.00	.05	.09	.09	.00	.00	.00	.00	.00	.00	.00	.23	1.40
NW	.00	.00	.00	.18	.09	.00	.00	.00	.00	.00	.00	.00	.27	1.55
NNW	.00	.00	.00	.18	.09	.05	.00	.00	.00	.00	.00	.00	.32	1.73
TOTAL	.00	.00	.23	2.13	1.00	.32	.09	.00	.00	.00	.00	.00	3.76	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS B (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	12	6	3	0	0	0	0	0	0	21	1.63
NNE	0	0	3	4	1	1	2	0	0	0	0	0	11	1.85
NE	0	0	0	1	1	0	0	0	0	0	0	0	2	1.61
ENE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.46
E	0	0	0	1	0	0	0	0	0	0	0	0	1	1.39
ESE	0	0	0	6	1	0	0	0	0	0	0	0	7	1.42
SE	0	0	0	1	1	0	0	0	0	0	0	0	2	1.65
SSE	0	0	0	0	1	1	0	0	0	0	0	0	2	2.01
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	5	1	0	0	0	0	0	0	0	6	1.49
WSW	0	0	1	4	2	0	0	0	0	0	0	0	7	1.35
W	0	0	0	3	2	0	0	0	0	0	0	0	5	1.56
WNW	0	0	1	2	2	0	0	0	0	0	0	0	5	1.40
NW	0	0	0	4	2	0	0	0	0	0	0	0	6	1.55
NNW	0	0	0	4	2	1	0	0	0	0	0	0	7	1.73
TOTAL	0	0	5	47	22	7	2	0	0	0	0	0	83	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN PERCENT OF TOTAL
 7/01/81 TO 9/30/81
 WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.05	1.00	.63	.45	.00	.00	.00	.00	.00	.00	2.13	1.70
NNE	.00	.00	.00	.18	.09	.00	.00	.00	.00	.00	.00	.00	.27	1.45
NE	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00	.18	1.89
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.48
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.29
W	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.14	1.77
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.14	.45	.05	.00	.00	.00	.00	.00	.00	.63	1.77
TOTAL	.00	.00	.09	1.49	1.49	.50	.00	.00	.00	.00	.00	.00	3.58	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS A (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	22	14	10	0	0	0	0	0	0	47	1.70
NNE	0	0	0	4	2	0	0	0	0	0	0	0	6	1.45
NE	0	0	0	0	4	0	0	0	0	0	0	0	4	1.89
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.48
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	1	3	0	0	0	0	0	0	0	0	4	1.29
W	0	0	0	0	3	0	0	0	0	0	0	0	3	1.77
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	3	10	1	0	0	0	0	0	0	14	1.77

TOTAL 0 0 0 2 33 33 11 0 0 0 0 0 0 79

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

MIND FREQUENCY DISTRIBUTION

7/01/81 01 18/10/2

MINIMUM SPEED (M/S)

[illegible]

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS ALL (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/81 TO 9/30/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	2	11	19	57	33	29	0	0	0	0	0	0	151	1.55
NNE	2	7	16	30	14	11	2	0	0	0	0	0	82	1.46
NE	2	9	19	16	25	15	1	0	0	0	0	0	88	1.50
ENE	0	22	32	9	8	2	0	0	0	0	0	0	73	1.04
E	1	26	43	26	0	1	0	0	0	0	0	0	97	.97
ESE	3	20	60	61	3	0	0	0	0	0	0	0	147	1.07
SE	4	18	56	39	7	2	0	0	0	0	0	0	126	1.08
SSE	4	13	54	58	12	7	0	0	0	0	0	0	148	1.15
S	0	14	60	64	4	0	0	0	0	0	0	0	142	1.08
SSW	3	11	39	92	8	2	0	0	0	0	0	0	155	1.19
SW	3	39	68	90	7	3	0	0	0	0	0	0	210	1.09
WSW	6	34	119	60	3	0	0	0	0	0	0	0	222	.98
W	4	22	57	52	10	0	0	0	0	0	0	0	145	1.04
WNW	3	19	46	53	6	0	0	0	0	0	0	0	129	1.07
NW	3	10	25	53	31	1	0	0	0	0	0	0	128	1.30
NNW	1	12	30	60	48	14	0	0	0	0	0	0	165	1.44
TOTAL	41	287	745	825	220	87	3	0	0	0	0	0	2208	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

OCTOBER - DECEMBER, 1981

TABLE #1

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ON Y
 STABILITY CLASS G (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS G (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/61 TO 12/31/61

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.750- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00

TOTAL 0 0 0 0 0 0 0 0 0 0 0 0 0 0

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.20- .50	.51- .75	.76- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	2.50	7.50	.00	.00	.00	.00	.00	.00	.00	.00	10.00	1.18
SSW	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.39
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.50	.67
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	2.50	2.50	10.00	.00	.00	.00	.00	.00	.00	.00	.00	15.00	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS F (30-500 FOOT)
 MINDS AT 33 FOOT LEVEL
 WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/81 TO 12/31/81
 WIND SPEED (M/S)

DIRECTION
 .220-
 .500-
 .510-
 .750-
 1
 1.50-
 1.50-
 1.60-
 2
 2.10-
 3
 3.10-
 5
 5.10-
 7
 7.10-
 10
 10.1-
 13
 13.1-
 18
 18.0-
 TOTAL
 MEAN
 SPEED

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW
TOTAL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
NUMBER OF CALMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF INVALID HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF VALID HOURS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40

40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	POW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.12
S	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.30
SSW	.00	.00	.00	15.00	.00	.00	.00	.00	.00	.00	.00	.00	15.00	1.41
SW	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.21
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NW	.00	.00	.00	.00	12.50	.00	.00	.00	.00	.00	.00	.00	12.50	1.77
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

TOTAL .00 .00 .00 22.50 12.50 .00 .00 .00 .00 .00 .00 .00 .00 35.00

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
PERIODS OF RELEASE ONLY
STABILITY CLASS E (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
S	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
SSW	0	0	0	5	0	0	0	0	0	0	0	0	5	1.11
SW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.11
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.90
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	5	0	0	0	0	0	0	0	5	1.77
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00

TOTAL 0 0 0 9 5 0 0 0 0 0 0 0 0 14

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	2.50	2.50	.00	.00	.00	.00	.00	.00	.00	.00	5.00	1.30
ENE	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.55
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	2.50	1.83
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.39
W	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	.00	2.50	1.21
WNW	.00	.00	.00	10.00	10.00	.00	.00	.00	.00	.00	.00	.00	20.00	1.55
NW	.00	.00	.00	2.50	2.50	.00	.00	.00	.00	.00	.00	.00	5.00	1.61
NNW	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	2.50	1.74
TOTAL	.00	.00	2.50	22.50	17.50	.00	.00	.00	.00	.00	.00	.00	42.50	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.30
ENE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.56
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.83
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.39
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.21
WNW	0	0	0	4	4	0	0	0	0	0	0	0	8	1.55
NW	0	0	0	1	1	0	0	0	0	0	0	0	2	1.61
NNW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.74

TOTAL 0 0 1 9 7 0 0 0 0 0 0 0 0 17

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.750- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	2.50	1.83
NW	.00	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	2.50	2.59
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00	2.50	2.50	.00	.00	.00	.00	.00	.00	5.00	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.83
NW	0	0	0	0	0	1	0	0	0	0	0	0	1	2.59
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00

TOTAL

2

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.750- 1	1.10- 1.50	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
W	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WNW	.00	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	2.50	1.97
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00	.00	2.50	.00	.00	.00	.00	.00	.00	.00	2.50	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS

0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS

40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL
 WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN NUMBER OF OCCURRENCES
 10/01/81 TO 12/31/81
 WIND SPEED (M/S)

WIND DIRECTION
 .220-
 .500-
 .510-
 .750-
 1
 1.50-
 1.60-
 2
 3
 5
 7
 10
 13
 18
 18.0
 TOTAL
 MEAN SPEED

	N	NNE	NE	ENE	E	ESE	SE	SSE	SS	MSM	M	NNM	NM	NNM
TOTAL	0	0	0	0	0	0	0	0	0	0	1	0	0	0
NUMBER OF CALMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF INVALID HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF VALID HOURS	40	40	40	40	40	40	40	40	40	40	40	40	40	40

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

MIND FREQUENCY DISTRIBUTION

MIND SPEED (M/S)

[illegible][illegible]

NUMBER OF CHMS	0
NUMBER OF INVALID HOURS	0 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)
NUMBER OF VALID HOURS	40 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 PERIODS OF RELEASE ONLY
 STABILITY CLASS A (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
W	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00

TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER OF CALMS	0													
NUMBER OF INVALID HOURS	0													
NUMBER OF VALID HOURS	40													

(TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)
 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

TABLE #2

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.18	.55	1.85	1.29	2.59	.46	.00	.00	.00	.00	.00	6.93	1.97
NNE	.00	.32	.93	1.85	1.29	.97	.23	.05	.00	.00	.00	.00	5.54	1.72
NE	.00	.20	.65	2.12	1.25	.09	.00	.00	.00	.00	.00	.00	4.39	1.39
ENE	.05	.42	.78	1.43	.74	.14	.00	.00	.00	.00	.00	.00	3.55	1.27
E	.05	.46	.78	.89	.09	.00	.00	.00	.00	.00	.00	.00	2.26	1.03
ESE	.05	.83	.92	1.02	.18	.00	.00	.00	.00	.00	.00	.00	3.00	1.04
SE	.05	.69	1.15	.74	.00	.00	.00	.00	.00	.00	.00	.00	2.63	.93
SSE	.05	.51	1.52	.88	.37	.09	.00	.00	.00	.00	.00	.00	3.42	1.12
S	.05	.60	1.20	3.00	.55	.00	.00	.00	.00	.00	.00	.00	5.40	1.20
SSW	.00	.18	.92	3.46	1.43	.18	.00	.00	.00	.00	.00	.00	6.19	1.38
SW	.05	1.57	2.12	3.23	1.57	.18	.00	.00	.00	.00	.00	.00	8.73	1.22
WSW	.05	.92	2.12	1.52	.37	.05	.00	.00	.00	.00	.00	.00	5.03	1.05
W	.00	.37	2.12	2.68	.97	.28	.05	.00	.00	.00	.00	.00	6.46	1.27
WNW	.05	.28	2.68	6.93	4.06	1.62	.14	.00	.00	.00	.00	.00	15.74	1.51
NW	.00	.23	.97	5.72	3.74	2.31	.28	.00	.00	.00	.00	.00	13.25	1.66
NNW	.00	.05	.69	1.99	2.77	1.89	.09	.00	.00	.00	.00	.00	7.48	1.78
TOTAL	.42	7.89	20.04	39.29	20.68	10.39	1.25	.05	.00	.00	.00	.00	100.00	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS ALL (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	4	12	40	28	56	10	0	0	0	0	0	150	1.97
NNE	0	7	18	40	28	21	5	1	0	0	0	0	120	1.72
NE	0	6	14	46	27	2	0	0	0	0	0	0	95	1.38
ENE	1	9	17	31	16	3	0	0	0	0	0	0	77	1.27
E	1	10	17	19	2	0	0	0	0	0	0	0	49	1.03
ESE	1	18	20	22	4	0	0	0	0	0	0	0	65	1.04
SE	1	15	25	16	0	0	0	0	0	0	0	0	57	.93
SSE	1	11	33	19	8	2	0	0	0	0	0	0	74	1.12
S	1	13	26	65	12	0	0	0	0	0	0	0	117	1.20
SSW	0	4	20	75	31	4	0	0	0	0	0	0	134	1.38
SW	1	34	46	70	34	4	0	0	0	0	0	0	189	1.22
WSW	1	20	46	33	8	1	0	0	0	0	0	0	109	1.05
W	0	8	46	58	21	6	1	0	0	0	0	0	140	1.27
WNW	1	6	58	150	88	35	3	0	0	0	0	0	341	1.51
NW	0	5	21	124	81	50	6	0	0	0	0	0	287	1.66
NNW	0	1	15	43	60	41	2	0	0	0	0	0	162	1.78

TOTAL 9 171 434 851 448 225 27 1 0 0 0 0 0 2166

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

MIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

MIND SPEED (M/S)

MIND		DIRECTION	
.220-	.500	.510-	.750
.760-	1	1.10-	1.50
1.60-	2	2.10-	3
3.10-	5	5.10-	7
7.10-	10	10.1-	13
13.1-	18	18	
TOTAL		TOTAL	
MEAN		MEAN	

[illegible]

NUMBER OF CALMS

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS 5 (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.20- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	.58
NE	0	1	0	0	0	0	0	0	0	0	0	0	1	.54
ENE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.14
E	0	2	0	0	0	0	0	0	0	0	0	0	2	.67
ESE	0	3	0	0	0	0	0	0	0	0	0	0	3	.66
SE	0	2	3	0	0	0	0	0	0	0	0	0	5	.79
SSE	0	3	2	1	0	0	0	0	0	0	0	0	6	.86
S	0	3	3	3	0	0	0	0	0	0	0	0	9	.96
SSW	0	0	3	5	0	0	0	0	0	0	0	0	8	1.12
SW	1	4	4	5	0	0	0	0	0	0	0	0	14	.98
WSW	0	5	2	0	0	0	0	0	0	0	0	0	7	.75
W	0	1	1	0	0	0	0	0	0	0	0	0	2	.76
WNW	1	1	2	1	0	0	0	0	0	0	0	0	5	.82
NW	0	2	1	3	0	0	0	0	0	0	0	0	6	1.01
NNW	0	0	1	0	0	0	0	0	0	0	0	0	1	.94
TOTAL	2	28	23	19	0	0	0	0	0	0	0	0	72	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS F (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.05	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.09	2.53
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.58
ENE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.07
E	.05	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.67
ESE	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.57
SE	.05	.28	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.71
SSE	.05	.09	.32	.05	.00	.00	.00	.00	.00	.00	.00	.00	.51	.85
S	.00	.23	.37	.51	.05	.00	.00	.00	.00	.00	.00	.00	1.15	1.06
SSW	.00	.00	.14	.42	.00	.00	.00	.00	.00	.00	.00	.00	.55	1.18
SW	.00	.09	.32	.37	.05	.00	.00	.00	.00	.00	.00	.00	.83	1.12
WSW	.00	.18	.23	.14	.00	.00	.00	.00	.00	.00	.00	.00	.55	.90
W	.00	.23	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.81
WNW	.00	.05	.51	.28	.00	.00	.00	.00	.00	.00	.00	.00	.83	1.02
NW	.00	.09	.05	.23	.00	.00	.00	.00	.00	.00	.00	.00	.37	1.04
NNW	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.16

TOTAL .18 1.62 2.35 2.03 .09 .00 .05 .00 .00 .00 .00 .00 .00 6.33

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS F (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	POW TOTAL	MEAN SPEED
N	0	1	0	0	0	0	1	0	0	0	0	0	2	2.53
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	1	0	0	0	0	0	0	0	0	0	0	1	.58
ENE	0	0	1	0	0	0	0	0	0	0	0	0	1	1.07
E	1	3	1	0	0	0	0	0	0	0	0	0	5	.67
ESE	1	3	0	0	0	0	0	0	0	0	0	0	4	.57
SE	1	6	3	0	0	0	0	0	0	0	0	0	10	.71
SSE	1	2	7	1	0	0	0	0	0	0	0	0	11	.85
S	0	5	8	11	1	0	0	0	0	0	0	0	25	1.06
SSW	0	0	3	9	0	0	0	0	0	0	0	0	12	1.18
SW	0	2	7	8	1	0	0	0	0	0	0	0	18	1.12
WSW	0	4	5	3	0	0	0	0	0	0	0	0	12	.90
W	0	5	4	0	0	0	0	0	0	0	0	0	9	.81
WNW	0	1	11	6	0	0	0	0	0	0	0	0	18	1.02
NW	0	2	1	5	0	0	0	0	0	0	0	0	8	1.04
NNW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.16

TOTAL 4 35 51 44 2 0 1 0 0 0 0 0 0 137

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

DIRECTION	.220-	.510-	.750-	1	1.10-	1.50-	2	3	5	7	10	13	18	>18.0	ROM	MEAN
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	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
TOTAL	.09	.14	.05	.09	.23	.18	.23	.14	.05	.32	.28	.51	.92	2.17	.92	.28
NUMBER OF CALMS	0															
NUMBER OF INVALID HOURS	42															
(TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF INVALID HOURS)																
NUMBER OF VALID HOURS	2166															
(TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)																

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	2	5	0	13	3	0	0	0	0	0	23	2.36
NNE	0	3	1	1	0	0	3	0	0	0	0	0	8	2.36
NE	0	0	1	0	0	0	0	0	0	0	0	0	1	1.03
ENE	0	2	6	0	1	0	0	0	0	0	0	0	9	.94
E	0	3	5	0	0	0	0	0	0	0	0	0	8	.80
ESE	0	4	4	0	0	0	0	0	0	0	0	0	8	.80
SE	0	5	8	1	0	0	0	0	0	0	0	0	14	.82
SSE	0	3	16	3	0	0	0	0	0	0	0	0	22	.95
S	1	1	6	25	4	0	0	0	0	0	0	0	37	1.26
SSW	0	0	7	33	4	0	0	0	0	0	0	0	44	1.28
SW	0	9	6	25	12	1	0	0	0	0	0	0	53	1.31
WSW	1	5	11	6	1	0	0	0	0	0	0	0	24	1.00
W	0	1	15	20	0	0	0	0	0	0	0	0	36	1.11
WNW	0	3	23	47	3	0	0	0	0	0	0	0	76	1.19
NW	0	1	10	45	14	3	0	0	0	0	0	0	73	1.40
NNW	0	1	2	12	8	3	0	0	0	0	0	0	26	1.51
TOTAL	2	41	123	223	47	20	6	0	0	0	0	0	462	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CARBERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL, TO 33 FOOT LEVEL.
STABILITY CLASS D (30-200 FOOT)
MINDS AT 33 FOOT LEVEL

REVISION 0

MIND FREQUENCY DISTRIBUTION
FREQUENCY IN PERCENT OF TOTAL
10/01/81 TO 12/31/81
MIND SPEED (M/S)

WIND DIRECTION	NUMBER OF CALMS															
	.250-	.250-.510-	.510-.750-	.750-1	1-1.50-	1.50-2	2-3	3-5	5-7	7-10	10-13	13-18	18-25	TOTAL	ROM	MEAN SPEED
N	.00	.14	.37	.92	.28	1.29	.00	.00	.00	.00	.00	.00	.00	3.00	1.80	1.80
NNE	.00	.14	.69	.92	.78	.69	.00	.05	.00	.00	.00	.00	.00	3.29	1.66	1.40
NE	.00	.18	.55	1.94	1.11	.09	.00	.00	.00	.00	.00	.00	.00	3.89	1.40	1.32
ENE	.05	.32	.32	1.34	.60	.14	.00	.00	.00	.00	.00	.00	.00	2.77	1.32	1.12
E	.00	.09	.51	.74	.05	.00	.00	.00	.00	.00	.00	.00	.00	1.39	1.12	1.09
ESE	.00	.32	.69	.88	.05	.00	.00	.00	.00	.00	.00	.00	.00	1.94	1.09	1.08
SE	.00	.09	.46	.65	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.20	1.08	1.22
SSE	.00	.14	.37	.55	.14	.05	.00	.00	.00	.00	.00	.00	.00	1.25	1.28	1.46
S	.00	.14	.37	1.02	.28	.00	.00	.00	.00	.00	.00	.00	.00	1.80	1.28	1.46
SSW	.00	.18	.28	1.15	1.02	.05	.00	.00	.00	.00	.00	.00	.00	2.68	1.46	1.08
SW	.00	.78	1.25	.92	.46	.00	.00	.00	.00	.00	.00	.00	.00	3.42	1.08	1.00
WSW	.00	.23	1.15	.55	.09	.00	.00	.00	.00	.00	.00	.00	.00	2.03	1.00	1.29
W	.00	.05	.88	1.15	.46	.05	.05	.00	.00	.00	.00	.00	.00	2.63	1.29	1.45
WNW	.00	.05	.92	4.25	2.86	.05	.00	.00	.00	.00	.00	.00	.00	8.13	1.45	1.57
NW	.00	.00	.37	3.05	2.49	.51	.00	.00	.00	.00	.00	.00	.00	6.42	1.57	1.65
NNW	.00	.00	.51	.88	1.39	.65	.00	.00	.00	.00	.00	.00	.00	3.42	1.65	49.22
TOTAL	.05	2.86	9.70	20.91	12.05	3.55	.05	.05	.05	.00	.00	.00	.00	49.22	0	0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMB. OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS D (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	3	8	20	6	28	0	0	0	0	0	0	65	1.80
NNE	0	3	15	20	17	15	0	1	0	0	0	0	71	1.66
NE	0	4	12	42	24	2	0	0	0	0	0	0	84	1.40
ENE	1	7	7	29	13	3	0	0	0	0	0	0	60	1.32
E	0	2	11	16	1	0	0	0	0	0	0	0	30	1.12
ESE	0	7	15	19	1	0	0	0	0	0	0	0	42	1.09
SE	0	2	10	14	0	0	0	0	0	0	0	0	26	1.08
SSE	0	3	8	12	3	1	0	0	0	0	0	0	27	1.22
S	0	3	8	22	6	0	0	0	0	0	0	0	39	1.28
SSW	0	4	6	25	22	1	0	0	0	0	0	0	58	1.46
SW	0	17	27	20	10	0	0	0	0	0	0	0	74	1.08
WSW	0	5	25	12	2	0	0	0	0	0	0	0	44	1.00
W	0	1	19	25	10	1	1	0	0	0	0	0	57	1.29
WNW	0	1	20	92	62	1	0	0	0	0	0	0	176	1.45
NW	0	0	8	66	54	11	0	0	0	0	0	0	139	1.57
NNW	0	0	11	19	30	14	0	0	0	0	0	0	74	1.65
TOTAL	1	62	210	453	261	77	1	1	0	0	0	0	1066	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS C (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	FGW TOTAL	MEAN SPEED
N	.00	.00	.00	.14	.14	.14	.09	.00	.00	.00	.00	.00	.51	2.19
NNE	.00	.00	.00	.23	.09	.18	.00	.00	.00	.00	.00	.00	.55	1.82
NE	.00	.00	.05	.14	.14	.00	.00	.00	.00	.00	.00	.00	.32	1.50
ENE	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.12
E	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	1.59
ESE	.00	.00	.05	.14	.05	.00	.00	.00	.00	.00	.00	.00	.23	1.38
SE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.98
SSE	.00	.00	.00	.05	.18	.05	.00	.00	.00	.00	.00	.00	.28	1.85
S	.00	.00	.05	.18	.05	.00	.00	.00	.00	.00	.00	.00	.28	1.36
SSW	.00	.00	.00	.09	.23	.14	.00	.00	.00	.00	.00	.00	.46	1.88
SW	.00	.05	.00	.14	.32	.14	.00	.00	.00	.00	.00	.00	.65	1.76
WSW	.00	.00	.14	.32	.18	.00	.00	.00	.00	.00	.00	.00	.65	1.35
W	.00	.00	.18	.09	.28	.05	.00	.00	.00	.00	.00	.00	.60	1.46
WNW	.00	.00	.09	.14	.74	.65	.00	.00	.00	.00	.00	.00	1.62	2.02
NW	.00	.00	.00	.05	.23	.65	.09	.00	.00	.00	.00	.00	1.02	2.35
NNW	.00	.00	.05	.18	.46	.42	.00	.00	.00	.00	.00	.00	1.11	1.96
TOTAL	.00	.05	.69	2.03	3.14	2.40	.18	.00	.00	.00	.00	.00	8.49	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS C (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	0	3	3	3	2	0	0	0	0	0	11	2.19
NNE	0	0	0	6	2	4	0	0	0	0	0	0	12	1.82
NE	0	0	1	3	3	0	0	0	0	0	0	0	7	1.50
ENE	0	0	1	1	0	0	0	0	0	0	0	0	2	1.12
E	0	0	0	1	1	0	0	0	0	0	0	0	2	1.59
ESE	0	0	1	3	1	0	0	0	0	0	0	0	5	1.38
SE	0	0	1	0	0	0	0	0	0	0	0	0	1	.98
SSE	0	0	0	1	4	1	0	0	0	0	0	0	6	1.86
S	0	0	1	4	1	0	0	0	0	0	0	0	6	1.36
SSW	0	0	0	2	5	3	0	0	0	0	0	0	10	1.88
SW	0	1	0	3	7	3	0	0	0	0	0	0	14	1.76
WSW	0	0	3	7	4	0	0	0	0	0	0	0	14	1.35
W	0	0	4	2	6	1	0	0	0	0	0	0	13	1.46
WNW	0	0	2	3	16	14	0	0	0	0	0	0	35	2.02
NW	0	0	0	1	5	14	2	0	0	0	0	0	22	2.35
NNW	0	0	1	4	10	9	0	0	0	0	0	0	24	1.96
TOTAL	0	1	15	44	68	52	4	0	0	0	0	0	184	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS B (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 15	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.05	.37	.42	.18	.09	.00	.00	.00	.00	.00	1.11	1.82
NNE	.00	.00	.05	.32	.14	.05	.09	.00	.00	.00	.00	.00	.55	1.77
NE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.39
ENE	.00	.00	.05	.00	.09	.00	.00	.00	.00	.00	.00	.00	.14	1.58
E	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.39
ESE	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.81
SE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	2.01
S	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.67
SSW	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.89
SW	.00	.00	.00	.28	.18	.00	.00	.00	.00	.00	.00	.00	.46	1.57
WSW	.00	.05	.00	.19	.00	.05	.00	.00	.00	.00	.00	.00	.28	1.45
W	.00	.00	.14	.28	.18	.05	.00	.00	.00	.00	.00	.00	.55	1.50
WNW	.00	.00	.00	.05	.32	.42	.00	.00	.00	.00	.00	.00	.78	2.24
NW	.00	.00	.05	.18	.28	.55	.05	.00	.00	.00	.00	.00	1.11	2.17
NNW	.00	.00	.00	.28	.46	.23	.05	.00	.00	.00	.00	.00	1.02	1.96

TOTAL .00 .09 .37 2.08 2.22 1.52 .28 .00 .00 .00 .00 .00 .00 6.56

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS NUCLEAR SITE
 WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
 STABILITY CLASS B (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	8	9	4	2	0	0	0	0	0	24	1.82
NNE	0	0	1	7	3	1	2	0	0	0	0	0	14	1.77
NE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.39
ENE	0	0	1	0	2	0	0	0	0	0	0	0	3	1.58
E	0	0	0	2	0	0	0	0	0	0	0	0	2	1.39
ESE	0	0	0	0	2	0	0	0	0	0	0	0	2	1.81
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSE	0	0	0	0	1	0	0	0	0	0	0	0	1	2.01
S	0	1	0	0	0	0	0	0	0	0	0	0	1	.67
SSW	0	0	1	0	0	0	0	0	0	0	0	0	1	.89
SW	0	0	0	6	4	0	0	0	0	0	0	0	10	1.57
WSW	0	1	0	4	0	1	0	0	0	0	0	0	6	1.45
W	0	0	3	6	4	1	0	0	0	0	0	0	14	1.50
WNW	0	0	0	1	7	9	0	0	0	0	0	0	17	2.24
NW	0	0	1	4	6	12	1	0	0	0	0	0	24	2.17
NNW	0	0	0	6	10	5	1	0	0	0	0	0	22	1.96

TOTAL 0 2 8 45 48 33 6 0 0 0 0 0 0 142

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS A (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.760- 1	1.10- 1.50	1.60- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.05	.18	.46	.37	.09	.00	.00	.00	.00	.00	1.15	2.08
NNE	.00	.00	.05	.28	.28	.05	.00	.00	.00	.00	.00	.00	.55	1.50
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E/NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
E	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ESE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.72
SE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.12
SSE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.30
S	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.12
SW	.00	.05	.09	.14	.00	.00	.00	.00	.00	.00	.00	.00	.28	1.10
WSW	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	1.35
W	.00	.00	.00	.23	.05	.14	.00	.00	.00	.00	.00	.00	.42	1.74
WNW	.00	.00	.00	.00	.00	.51	.14	.00	.00	.00	.00	.00	.55	2.68
NW	.00	.00	.00	.00	.09	.45	.14	.00	.00	.00	.00	.00	.69	2.53
NNW	.00	.00	.00	.05	.09	.45	.05	.00	.00	.00	.00	.00	.65	2.44

TOTAL .00 .09 .18 1.06 1.02 1.99 .42 .00 .00 .00 .00 .00 .00 4.75

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR SITE
WIND REDUCED FROM 125 FOOT LEVEL TO 33 FOOT LEVEL
STABILITY CLASS A (30-200 FOOT)
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/81 TO 12/31/81

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.750- 1	1.10- 1.50	1.50- 2	2.10- 3	3.10- 5	5.10- 7	7.10- 10	10.1- 13	13.1- 18	>18.0	ROW TOTAL	MEAN SPEED
N	0	0	1	4	10	8	2	0	0	0	0	0	25	2.08
NNE	0	0	1	6	6	1	0	0	0	0	0	0	14	1.50
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ESE	0	1	0	0	0	0	0	0	0	0	0	0	1	.72
SE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
SSE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
SW	0	1	2	3	0	0	0	0	0	0	0	0	6	1.10
WSW	0	0	0	1	1	0	0	0	0	0	0	0	2	1.36
W	0	0	0	5	1	3	0	0	0	0	0	0	9	1.74
WNW	0	0	0	0	0	11	3	0	0	0	0	0	14	2.68
NW	0	0	0	0	2	10	3	0	0	0	0	0	15	2.63
NNW	0	0	0	1	2	10	1	0	0	0	0	0	14	2.44

TOTAL 0 2 4 23 22 43 9 0 0 0 0 0 0 103

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 42 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2166 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)