

CALVERT CLIFFS NUCLEAR POWER PLANT  
METEOROLOGICAL DATA  
OCTOBER 1, 1983 TO DECEMBER 31, 1983

8403130334 840301  
PDR ADOCK 05000317  
R PDR

WIND FREQUENCY DISTRIBUTION  
BY STABILITY CLASS  
PERIODS OF RELEASE ONLY

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

10/01/83 TO 12/31/83

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	PM 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	.06
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 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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS A (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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
NNE	.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 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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS B (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	5.1- 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 2208 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

REVISION 0

BALTIMORE GAS AND ELECTRIC COMPANY  
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 PERIODS OF RELEASE ONLY  
 STABILITY CLASS B (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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



REVISION 0

BALTIMORE GAS FID 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

10/01/83 TO 12/31/83

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

BALTIMORE GAS AND ELECTRIC COMPANY  
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 PERIODS OF RELEASE ONLY  
 STABILITY CLASS C (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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 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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS D (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

## WIND FREQUENCY DISTRIBUTION

## FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	1	2	2	3	4	1	0	0	0	0	0	13	1.83
NNE	0	0	1	2	3	1	0	0	0	0	0	0	7	1.63
NE	0	0	0	4	1	0	0	0	0	0	0	0	5	1.46
ENE	0	0	0	1	0	2	0	0	0	0	0	0	3	2.00
E	0	1	0	3	4	1	0	0	0	0	0	0	9	1.59
ESE	0	0	0	1	2	3	0	0	0	0	0	0	6	1.94
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.88
SSE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.52
S	0	0	1	2	1	0	0	0	0	0	0	0	4	1.37
SSW	0	0	3	1	3	4	0	0	0	0	0	0	11	1.93
SW	0	0	0	5	4	1	0	0	0	0	0	0	10	1.74
WSW	0	0	0	1	1	1	0	0	0	0	0	0	3	1.80
W	0	0	0	1	1	0	0	0	0	0	0	0	2	1.56
WNW	0	0	0	0	5	3	0	0	0	0	0	0	8	2.11
NW	0	0	1	0	4	6	0	0	0	0	0	0	11	2.02
NNW	0	0	0	3	5	3	0	0	0	0	0	0	11	1.91
TOTAL	0	2	8	27	38	29	1	0	0	0	0	0	105	

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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS D (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

## WIND FREQUENCY DISTRIBUTION

## FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

## 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	.09	.09	.14	.18	.05	.00	.00	.00	.00	.00	.59	1.83
NNE	.00	.00	.05	.09	.14	.05	.00	.00	.00	.00	.00	.00	.32	1.63
NE	.00	.00	.00	.18	.05	.00	.00	.00	.00	.00	.00	.00	.23	1.46
ENE	.00	.00	.00	.05	.00	.09	.00	.00	.00	.00	.00	.00	.14	2.00
E	.00	.05	.00	.14	.18	.05	.00	.00	.00	.00	.00	.00	.41	1.59
ESE	.00	.00	.00	.05	.09	.14	.00	.00	.00	.00	.00	.00	.27	1.94
SE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.88
SSE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.52
S	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.00	.18	1.37
SSW	.00	.00	.14	.05	.14	.18	.00	.00	.00	.00	.00	.00	.50	1.93
SW	.00	.00	.00	.23	.18	.05	.00	.00	.00	.00	.00	.00	.45	1.74
WSW	.00	.00	.00	.05	.05	.05	.00	.00	.00	.00	.00	.00	.14	1.80
W	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	1.56
WNW	.00	.00	.00	.00	.23	.14	.00	.00	.00	.00	.00	.00	.36	2.11
NW	.00	.00	.05	.00	.18	.27	.00	.00	.00	.00	.00	.00	.50	2.02
NNW	.00	.00	.00	.14	.23	.14	.00	.00	.00	.00	.00	.00	.50	1.91
TOTAL	.00	.09	.36	1.22	1.72	1.31	.05	.00	.00	.00	.00	.00	4.76	

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  
 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

10/01/83 TO 12/31/83

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	2	0	6	1	0	0	0	0	10	3.25
NNE	0	0	3	3	0	16	15	1	0	0	0	0	38	2.90
NE	0	0	1	3	3	15	14	0	0	0	0	0	36	2.79
ENE	0	0	1	2	5	22	4	0	0	0	0	0	34	2.39
E	0	0	4	2	12	5	10	0	0	0	0	0	33	2.38
ESE	1	0	3	6	8	16	5	0	0	0	0	0	39	2.14
SE	0	1	0	5	6	15	23	1	0	0	0	0	51	2.93
SSE	0	1	0	8	15	17	19	1	0	0	0	0	61	2.59
S	0	0	3	7	9	22	4	0	0	0	0	0	45	2.17
SSW	0	0	1	3	8	35	8	0	0	0	0	0	55	2.49
SW	1	1	5	2	19	13	5	0	0	0	0	0	46	1.99
WSW	0	0	3	6	7	17	2	0	0	0	0	0	35	2.07
W	0	0	3	6	17	26	7	0	0	0	0	0	59	2.20
WNW	0	1	0	8	14	40	27	0	0	0	0	0	90	2.67
NW	0	1	0	6	6	23	19	2	0	0	0	0	57	2.87
NNW	0	0	1	0	0	7	14	0	0	0	0	0	22	3.49
TOTAL	2	5	29	67	131	289	182	6	0	0	0	0	711	

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  
 CALVEET 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

10/01/83 TO 12/31/83

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	.00	.09	.63	.27	.05	.00	.00	.00	.00	.45	3.25
NNE	.00	.00	.14	.14	.00	.72	.68	.05	.00	.00	.00	.00	1.72	2.90
NE	.00	.00	.05	.14	.14	.68	.63	.00	.00	.00	.00	.00	1.63	2.79
ENE	.00	.00	.05	.09	.23	1.00	.18	.00	.00	.00	.00	.00	1.54	2.39
E	.00	.00	.19	.09	.54	.23	.45	.00	.00	.00	.00	.00	1.49	2.38
ESE	.05	.00	.14	.27	.36	.72	.23	.00	.00	.00	.00	.00	1.77	2.14
SE	.00	.05	.00	.23	.27	.68	1.04	.05	.00	.00	.00	.00	2.31	2.98
SSE	.00	.05	.00	.36	.68	.77	.86	.05	.00	.00	.00	.00	2.76	2.59
S	.00	.00	.14	.32	.41	1.00	.18	.00	.00	.00	.00	.00	2.04	2.17
SSW	.00	.00	.05	.14	.36	1.59	.36	.00	.00	.00	.00	.00	2.49	2.49
SW	.05	.05	.23	.09	.86	.59	.23	.00	.00	.00	.00	.00	2.08	1.99
WSW	.00	.00	.14	.27	.32	.77	.09	.00	.00	.00	.00	.00	1.59	2.07
W	.00	.00	.14	.27	.77	1.18	.32	.00	.00	.00	.00	.00	2.67	2.20
WNW	.00	.05	.00	.36	.63	1.81	1.22	.00	.00	.00	.00	.00	4.08	2.67
NW	.00	.05	.00	.27	.27	1.04	.86	.09	.00	.00	.00	.00	2.58	2.87
NNW	.00	.00	.05	.00	.00	.32	.63	.00	.00	.00	.00	.00	1.00	3.49
TOTAL	.09	.23	1.31	3.03	5.93	13.09	8.24	.27	.00	.00	.00	.00	32.20	

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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS F (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	>19.0	ROW TOTAL	MEAN SPEED
N	0	0	1	0	0	1	0	0	0	0	0	0	2	1.74
NNE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.52
NE	0	1	3	1	0	0	0	0	0	0	0	0	5	.97
ENE	0	0	2	2	0	0	0	0	0	0	0	0	4	1.16
E	0	0	2	2	0	0	0	0	0	0	0	0	4	1.07
ESE	0	0	1	3	2	0	0	0	0	0	0	0	6	1.50
SE	0	1	0	1	3	0	0	0	0	0	0	0	5	1.52
SSE	0	0	1	0	2	10	0	0	0	0	0	0	13	2.35
S	0	0	0	0	2	22	0	0	0	0	0	0	24	2.47
SSW	0	0	1	3	6	21	0	0	0	0	0	0	31	2.19
SW	0	0	1	7	5	5	0	0	0	0	0	0	18	1.73
WSW	0	0	0	5	5	7	0	0	0	0	0	0	17	1.91
W	0	0	1	4	3	7	0	0	0	0	0	0	15	1.90
WNW	0	0	1	1	7	6	0	0	0	0	0	0	15	1.90
NW	0	0	0	2	2	2	0	0	0	0	0	0	6	1.94
NNW	0	0	1	0	0	0	0	0	0	0	0	0	1	1.07
TOTAL	0	2	15	32	37	81	0	0	0	0	0	0	167	

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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS F (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

WIND SPEED (M/S)

WIND DIRECTION	.220- .500	.510- .750	.750- 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	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	1.74
NNE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.52
NE	.00	.05	.14	.05	.30	.00	.00	.00	.00	.00	.00	.00	.23	.97
ENE	.00	.00	.03	.09	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.16
E	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.07
ESE	.00	.00	.05	.14	.09	.00	.00	.00	.00	.00	.00	.00	.27	1.50
SE	.00	.05	.00	.05	.14	.00	.00	.00	.00	.00	.00	.00	.23	1.52
SSE	.00	.00	.05	.00	.09	.45	.00	.00	.00	.00	.00	.00	.59	2.25
S	.00	.00	.00	.00	.09	1.00	.00	.00	.00	.00	.00	.00	1.09	2.47
SSW	.00	.00	.05	.14	.27	.75	.00	.00	.00	.00	.00	.00	1.40	2.19
SW	.00	.00	.05	.32	.23	.23	.00	.00	.00	.00	.00	.00	.82	1.73
WSW	.00	.00	.00	.23	.23	.32	.00	.00	.00	.00	.00	.00	.77	1.91
W	.00	.00	.05	.18	.14	.32	.00	.00	.00	.00	.00	.00	.68	1.90
WNW	.00	.00	.05	.05	.32	.27	.00	.00	.00	.00	.00	.00	.68	1.90
NW	.00	.00	.00	.09	.09	.09	.00	.00	.00	.00	.00	.00	.27	1.94
NNW	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.07
TOTAL	.00	.09	.69	1.45	1.68	3.67	.00	.00	.00	.00	.00	.00	7.56	

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  
 PERIODS OF RELEASE ONLY  
 STABILITY CLASS G (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

## WIND FREQUENCY DISTRIBUTION

## FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	1	0	0	0	0	0	0	0	0	0	1	.98
NE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.48
ENE	0	0	1	0	0	0	0	0	0	0	0	0	1	.94
E	1	0	1	1	0	0	0	0	0	0	0	0	3	.88
ESE	0	0	3	2	1	0	0	0	0	0	0	0	6	1.24
SE	0	0	2	3	3	0	0	0	0	0	0	0	8	1.55
SSE	0	0	1	2	1	2	0	0	0	0	0	0	6	1.82
S	0	0	2	2	0	0	0	0	0	0	0	0	4	1.24
SSW	0	0	0	2	1	0	0	0	0	0	0	0	3	1.56
SW	0	0	2	3	1	0	0	0	0	0	0	0	6	1.27
WSW	0	0	1	2	1	0	0	0	0	0	0	0	4	1.43
W	0	0	0	1	0	0	0	0	0	0	0	0	1	1.21
WNW	0	0	0	2	2	0	0	0	0	0	0	0	4	1.50
NW	0	0	0	2	1	0	0	0	0	0	0	0	3	1.51
NNW	0	0	1	2	0	0	0	0	0	0	0	0	3	1.36
TOTAL	1	0	15	25	11	2	0	0	0	0	0	0	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)

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 PERCENT OF TOTAL

10/01/83 TO 12/31/83

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	RM TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.98
NE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.48
ENE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.94
E	.05	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14	.88
ESE	.00	.00	.14	.09	.05	.00	.00	.00	.00	.00	.00	.00	.27	1.24
SE	.00	.00	.09	.14	.14	.00	.00	.00	.00	.00	.00	.00	.36	1.35
SSE	.00	.00	.05	.09	.05	.09	.00	.00	.00	.00	.00	.00	.27	1.82
S	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.24
SSW	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.14	1.56
SW	.00	.00	.09	.14	.05	.00	.00	.00	.00	.00	.00	.00	.27	1.27
WSW	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.00	.18	1.43
W	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.21
WNW	.00	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.18	1.50
NW	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.14	1.51
NNW	.00	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00	.14	1.36
TOTAL	.05	.00	.68	1.13	.50	.09	.00	.00	.00	.00	.00	.00	2.45	

0

NUMBER OF CALMS

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)

WIND FREQUENCY DISTRIBUTION  
ALL STABILITY CLASSES



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

10/01/83 TO 12/31/83

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	4	5	7	9	26	4	0	0	0	0	58	2.97
NNE	0	1	13	22	14	50	40	2	0	0	0	0	142	2.51
NE	1	2	8	20	7	43	42	0	0	0	0	0	123	2.60
ENE	0	2	6	13	16	31	4	0	0	0	0	0	72	1.98
E	1	2	10	15	24	17	12	0	0	0	0	0	81	2.00
ESE	1	3	9	17	22	25	7	0	0	0	0	0	84	1.92
SE	0	2	2	20	25	29	34	2	0	0	0	0	114	2.54
SSE	0	2	6	28	43	47	25	1	0	0	0	0	152	2.23
S	0	1	1	24	34	69	5	0	0	0	0	0	142	2.06
SSW	0	4	10	30	53	102	12	0	0	0	0	0	211	2.13
SW	2	4	23	51	68	46	10	0	0	0	0	0	204	1.79
WSW	1	2	9	44	38	52	11	0	0	0	0	0	157	1.96
W	0	1	6	32	29	53	38	0	0	0	0	0	159	2.40
WNW	0	1	1	21	43	69	60	2	0	0	0	0	197	2.65
NW	0	1	1	12	28	79	78	2	0	0	0	0	201	2.92
NNW	0	2	4	9	14	29	52	1	0	0	0	0	111	3.02
TOTAL	6	33	121	363	465	750	456	14	0	0	0	0	2208	

0

NUMBER OF CALMS

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 ALL (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

REVISION 0

## WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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	.14	.18	.23	.32	.41	1.18	.18	.00	.00	.00	.00	2.63	2.97
NNE	.00	.05	.59	1.00	.63	2.26	1.81	.09	.00	.00	.00	.00	6.43	2.51
NE	.05	.09	.36	.91	.32	1.95	1.90	.00	.00	.00	.00	.00	5.57	2.60
ENE	.00	.09	.27	.59	.72	1.40	.18	.00	.00	.00	.00	.00	3.26	1.98
E	.05	.09	.45	.68	1.09	.77	.54	.00	.00	.00	.00	.00	3.67	2.00
ESE	.05	.14	.41	.77	1.00	1.13	.32	.00	.00	.00	.00	.00	3.80	1.92
SE	.00	.09	.09	.91	1.13	1.31	1.54	.09	.00	.00	.00	.00	5.16	2.54
SSE	.00	.09	.27	1.27	1.95	2.13	1.13	.05	.00	.00	.00	.00	6.88	2.23
S	.00	.05	.41	1.09	1.54	3.13	.23	.00	.00	.00	.00	.00	6.43	2.06
SSW	.00	.18	.45	1.36	2.40	4.62	.54	.00	.00	.00	.00	.00	9.56	2.13
SW	.09	.18	1.04	2.31	3.08	2.08	.45	.00	.00	.00	.00	.00	9.24	1.79
WSW	.05	.09	.41	1.99	1.72	2.36	.50	.00	.00	.00	.00	.00	7.11	1.96
W	.00	.05	.27	1.45	1.31	2.40	1.72	.00	.00	.00	.00	.00	7.20	2.40
WNW	.00	.05	.05	.95	1.95	3.13	2.72	.09	.00	.00	.00	.00	8.92	2.65
NW	.00	.05	.05	.54	1.27	3.58	3.53	.09	.00	.00	.00	.00	9.10	2.92
NNW	.00	.09	.18	.41	.63	1.31	2.36	.05	.00	.00	.00	.00	5.03	3.02
TOTAL	.27	1.49	5.48	16.44	21.06	33.97	20.65	.63	.00	.00	.00	.00	100.00	

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 A (30-200 FOOT)  
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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 (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 A (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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

BALTIMORE GAS AND ELECTRIC COMPANY  
 CULVERT 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

10/01/83 TO 12/31/83

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	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 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 B (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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 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 C (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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 (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 C (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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
NNE	.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 CAI 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

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/82

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	1	2	2	3	4	1	0	0	0	0	0	13	1.83
NNE	0	0	2	5	8	4	0	0	0	0	0	0	19	1.77
NE	1	0	2	10	1	0	0	0	0	0	0	0	14	1.26
ENE	0	0	0	4	1	2	0	0	0	0	0	0	7	1.58
E	0	1	1	4	5	1	0	0	0	0	0	0	12	1.53
ESE	0	0	0	1	2	3	0	0	0	0	0	0	6	1.94
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.88
SSE	0	0	0	1	0	1	0	0	0	0	0	0	2	1.81
S	0	0	1	4	5	1	0	0	0	0	0	0	11	1.64
SSW	0	1	4	3	6	6	0	0	0	0	0	0	20	1.79
SW	0	0	1	10	8	6	0	0	0	0	0	0	25	1.77
WSW	0	1	0	4	4	7	0	0	0	0	0	0	16	1.87
W	0	1	1	3	1	1	0	0	0	0	0	0	7	1.46
WNW	0	0	0	0	5	4	0	0	0	0	0	0	9	2.15
NW	0	0	1	0	5	8	3	0	0	0	0	0	17	2.36
NNW	0	2	0	3	7	7	6	0	0	0	0	0	25	2.27
TOTAL	1	7	15	54	62	55	10	0	0	0	0	0	204	
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

10/01/83 TO 12/31/83

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	.09	.09	.14	.18	.05	.00	.00	.00	.00	.00	.59	1.83
NNE	.00	.00	.09	.23	.36	.18	.00	.00	.00	.00	.00	.00	.86	1.77
NE	.05	.00	.09	.45	.05	.00	.00	.00	.00	.00	.00	.00	.63	1.26
ENE	.00	.00	.00	.18	.05	.09	.00	.00	.00	.00	.00	.00	.32	1.58
E	.00	.05	.05	.18	.23	.05	.00	.00	.00	.00	.00	.00	.54	1.53
ESE	.00	.00	.00	.05	.09	.14	.00	.00	.00	.00	.00	.00	.27	1.94
SE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.88
SSE	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.00	.09	1.81
S	.00	.00	.05	.18	.23	.05	.00	.00	.00	.00	.00	.00	.50	1.64
SSW	.00	.05	.18	.14	.27	.27	.00	.00	.00	.00	.00	.00	.91	1.79
SW	.00	.00	.05	.45	.36	.27	.00	.00	.00	.00	.00	.00	1.13	1.77
WSW	.00	.05	.00	.18	.18	.32	.00	.00	.00	.00	.00	.00	.72	1.87
W	.00	.05	.05	.14	.05	.05	.00	.00	.00	.00	.00	.00	.32	1.46
WNW	.00	.00	.00	.00	.23	.18	.00	.00	.00	.00	.00	.00	.41	2.15
NW	.00	.00	.05	.00	.23	.36	.14	.00	.00	.00	.00	.00	.77	2.36
NNW	.00	.09	.00	.14	.32	.32	.27	.00	.00	.00	.00	.00	1.13	2.27
TOTAL	.05	.32	.68	2.45	2.81	2.49	.45	.00	.00	.00	.00	.00	9.24	

NUMBER OF CALMS

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 NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	FCW TOTAL	MEAN SPEED
N	0	2	1	2	4	4	25	4	0	0	0	0	42	3.42
NNE	0	1	7	15	6	46	40	2	0	0	0	0	117	2.70
NE	0	1	3	8	6	43	42	0	0	0	0	0	103	2.87
ENE	0	1	3	7	15	29	4	0	0	0	0	0	59	2.13
E	0	1	6	7	18	16	12	0	0	0	0	0	60	2.22
ESE	1	0	3	8	17	22	7	0	0	0	0	0	58	2.15
SE	0	1	0	9	17	29	34	2	0	0	0	0	92	2.80
SSE	0	1	3	23	37	32	25	1	0	0	0	0	122	2.30
S	0	0	4	17	23	43	5	0	0	0	0	0	92	2.09
SSW	0	2	3	18	30	60	12	0	0	0	0	0	125	2.23
SW	2	2	13	20	44	32	10	0	0	0	0	0	123	1.90
WSW	1	1	7	22	16	28	11	0	0	0	0	0	86	2.08
W	0	0	4	15	22	43	38	0	0	0	0	0	122	2.63
WNW	0	1	0	16	27	59	60	2	0	0	0	0	165	2.80
NW	0	1	0	8	19	68	75	2	0	0	0	0	173	3.04
NNW	0	0	2	2	7	22	46	1	0	0	0	0	80	3.36
TOTAL	4	15	59	197	308	576	446	14	0	0	0	0	1619	

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 PERCENT OF TOTAL

10/01/83 TO 12/31/83

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	.09	.05	.09	.18	.18	1.13	.18	.00	.00	.00	.00	1.90	3.42
NNE	.00	.05	.32	.68	.27	2.08	1.81	.09	.00	.00	.00	.00	5.30	2.70
NE	.00	.05	.14	.36	.27	1.95	1.90	.00	.00	.00	.00	.00	4.66	2.87
ENE	.00	.05	.14	.32	.68	1.31	.18	.00	.00	.00	.00	.00	2.67	2.13
E	.00	.05	.27	.32	.82	.72	.54	.00	.00	.00	.00	.00	2.72	2.22
ESE	.05	.00	.14	.36	.77	1.00	.32	.00	.00	.00	.00	.00	2.	2.16
SE	.00	.05	.00	.41	.77	1.31	1.54	.09	.00	.00	.00	.00	4.1	2.80
SSE	.00	.05	.14	1.04	1.68	1.45	1.13	.05	.00	.00	.00	.00	5.53	2.30
S	.00	.00	.18	.77	1.04	1.95	.27	.00	.00	.00	.00	.00	4.17	2.09
SSW	.00	.09	.14	.82	1.36	2.72	.54	.00	.00	.00	.00	.00	5.66	2.23
SW	.09	.09	.59	.91	1.99	1.45	.45	.00	.00	.00	.00	.00	5.57	1.90
WSW	.05	.05	.32	1.00	.72	1.27	.50	.00	.00	.00	.00	.00	3.89	2.05
W	.00	.00	.18	.68	1.00	1.95	1.72	.00	.00	.00	.00	.00	5.53	2.63
WNW	.00	.05	.00	.72	1.22	2.67	2.72	.03	.00	.00	.00	.00	7.47	2.80
NW	.00	.05	.00	.36	.86	3.08	3.40	.09	.00	.00	.00	.00	7.84	3.04
NNW	.00	.00	.09	.09	.32	1.00	2.08	.05	.00	.00	.00	.00	3.62	3.36
TOTAL	.18	.68	2.67	8.92	13.55	26.09	20.20	.63	.00	.00	.00	.00	73.32	

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 F (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	1	0	0	0	0	0	0	2	1.74
NNE	0	0	3	2	0	0	0	0	0	0	0	0	5	1.15
NE	0	1	3	1	0	0	0	0	0	0	0	0	5	.97
ENE	0	1	2	2	0	0	0	0	0	0	0	0	5	1.06
E	0	0	2	2	1	0	0	0	0	0	0	0	5	1.21
ESE	0	2	1	5	2	0	0	0	0	0	0	0	11	1.30
SE	0	1	0	6	4	0	0	0	0	0	0	0	11	1.18
SSE	0	1	2	1	5	12	0	0	0	0	0	0	21	2.04
S	0	1	2	1	6	25	0	0	0	0	0	0	35	2.20
SSW	0	1	3	6	14	33	0	0	0	0	0	0	57	2.08
SW	0	2	5	15	14	8	0	0	0	0	0	0	44	1.59
WSW	0	0	1	12	16	17	0	0	0	0	0	0	46	1.85
W	0	0	1	12	5	9	0	0	0	0	0	0	27	1.75
WNW	0	0	1	3	9	6	0	0	0	0	0	0	19	1.85
NW	0	0	0	2	3	3	0	0	0	0	0	0	8	1.0
NNW	0	0	1	1	0	0	0	0	0	0	0	0	2	1.10
TOTAL	0	10	28	72	79	114	0	0	0	0	0	0	303	

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 F (30-200 FOOT)  
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

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	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	1.74
NNE	.00	.00	.14	.09	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.15
NE	.00	.05	.14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.23	.97
ENE	.00	.05	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.06
E	.00	.00	.09	.09	.05	.00	.00	.00	.00	.00	.00	.00	.23	1.21
ESE	.00	.09	.05	.27	.09	.00	.00	.00	.00	.00	.00	.00	.50	1.30
SE	.00	.05	.00	.27	.18	.00	.00	.00	.00	.00	.00	.00	.50	1.48
SSE	.00	.05	.09	.05	.23	.54	.00	.00	.00	.00	.00	.00	.95	2.04
S	.00	.05	.09	.05	.27	1.13	.00	.00	.00	.00	.00	.00	1.59	2.20
SSW	.00	.05	.14	.27	.63	1.49	.00	.00	.00	.00	.00	.00	2.58	2.08
SW	.00	.09	.23	.68	.63	.36	.00	.00	.00	.00	.00	.00	1.99	1.59
WSW	.00	.00	.05	.54	.72	.77	.00	.00	.00	.00	.00	.00	2.08	1.85
W	.00	.00	.05	.54	.23	.41	.00	.00	.00	.00	.00	.00	1.22	1.75
WNW	.00	.00	.05	.14	.41	.27	.00	.00	.00	.00	.00	.00	.86	1.85
NW	.00	.00	.00	.09	.14	.14	.00	.00	.00	.00	.00	.00	.36	1.94
NNW	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.10
TOTAL	.00	.45	1.27	3.26	3.58	5.16	.00	.00	.00	.00	.00	.00	13.72	

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 G (30-200 FOOT)  
 WINDS AT 33 FOOT LEVEL

REVISION 0

## WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

10/01/83 TO 12/31/83

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	1	0	0	0	0	0	0	0	0	1	1.16
NNE	0	0	1	0	0	0	0	0	0	0	0	0	1	.98
NE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.48
ENE	0	0	1	0	0	0	0	0	0	0	0	0	1	.94
E	1	0	1	2	0	0	0	0	0	0	0	0	4	.97
ESE	0	1	5	2	1	0	0	0	0	0	0	0	9	1.12
SE	0	0	2	5	3	0	0	0	0	0	0	0	10	1.35
SSE	0	0	1	3	1	2	0	0	0	0	0	0	7	1.78
S	0	0	2	2	0	0	0	0	0	0	0	0	4	1.24
SSW	0	0	0	3	3	3	0	0	0	0	0	0	9	1.87
SW	0	0	4	6	2	0	0	0	0	0	0	0	12	1.31
WSW	0	0	1	6	2	0	0	0	0	0	0	0	9	1.47
W	0	0	0	2	1	0	0	0	0	0	0	0	3	1.43
WNW	0	0	0	2	2	0	0	0	0	0	0	0	4	1.50
NW	0	0	0	2	1	0	0	0	0	0	0	0	3	1.51
NNW	0	0	1	3	0	0	0	0	0	0	0	0	4	1.40
TOTAL	1	1	19	40	16	5	0	0	0	0	0	0	82	

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 G (30-200 FOOT)  
WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

10/01/83 TO 12/31/83

WIND SPEED (M/S)

WIND DIRECTION	.20- .50	.50- .75	.75- 1	1.0- 1.50	1.50- 2	2.0- 3	3.0- 5	5.0- 7	7.0- 10	10.0- 13	13.0- 18	>18.0	ROW TOTAL	MEAN SPEED
N	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.16
NNE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.98
NE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.48
ENE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.94
E	.05	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00	.18	.97
ESE	.00	.05	.23	.09	.05	.00	.00	.00	.00	.00	.00	.00	.41	1.12
SE	.00	.00	.09	.23	.14	.00	.00	.00	.00	.00	.00	.00	.45	1.35
SSE	.00	.00	.05	.14	.05	.09	.00	.00	.00	.00	.00	.00	.32	1.78
S	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.24
SSW	.00	.00	.00	.14	.14	.14	.00	.00	.00	.00	.00	.00	.41	1.87
SW	.00	.00	.18	.27	.09	.00	.00	.00	.00	.00	.00	.00	.54	1.31
WSW	.00	.00	.05	.27	.09	.00	.00	.00	.00	.00	.00	.00	.41	1.47
W	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.14	1.43
WNW	.00	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.18	1.50
NW	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.14	1.51
NNW	.00	.00	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.40
TOTAL	.05	.05	.86	1.81	.72	.23	.00	.00	.00	.00	.00	.00	3.71	

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)