

CALVERT CLIFFS NUCLEAR POWER PLANT
METEOROLOGICAL DATA
JULY 1, 1983 TO SEPTEMBER 30, 1983

8403130322 840301
PDR ADOCK 05000317
R PDR

WIND FREQUENCY DISTRIBUTION
BY STABILITY CLASS
PERIODS OF RELEASE ONLY

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

7/01/83 TO 9/30/83

WIND SPEED (M/S)

WIND DIRECTION	.200- .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	1	1	0	0	0	0	0	2	3.04
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	2	0	0	0	0	0	0	2	2.68
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	0	1	2	0	0	0	0	0	3	3.38
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	2	0	0	0	0	0	0	2	2.28
WSW	0	0	0	0	1	0	0	0	0	0	0	0	1	1.83
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	1	1	0	0	0	0	0	2	3.02
TOTAL	0	0	0	1	1	7	4	0	0	0	0	0	13	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 PERCENT OF TOTAL

7/01/83 TO 9/30/83

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	.05	.05	.00	.00	.00	.00	.00	.09	3.04
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	.05	.00	.00	.00	.00	.00	.00	.09	2.68
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.14	3.38
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.12
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	2.28
WSW	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.83
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	.05	.05	.00	.00	.00	.00	.00	.09	3.02
TOTAL	.00	.00	.00	.05	.05	.32	.19	.00	.00	.00	.00	.00	.60	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 NUMBER OF OCCURRENCES

7/01/83 TO 9/30/83

WIND SPEED (M/S)

WIND DIRECTION	.20- .50	.50- .75	.75- 1	1.0- 1.5	1.5- 2	2.0- 2.5	2.5- 3	3.0- 3.5	3.5- 4	4.0- 5	5.0- 6	6.0- 7	7.0- 8	8.0- 10	10.0- 12	12.0- 15	15.0- 18	18.0 TOTAL	MEAN SPEED
N	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	2.82
NNE	0	0	0	0	0	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	0	0	0	0	0	.00
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
E	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2.46
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.97
SSE	0	0	0	0	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	0	0	0	0	.00
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2.91
WSW	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2.50
W	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3.04
WNW	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	3.40
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NNW	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	1.77
TOTAL	0	0	0	0	4	5	2	2	0	0	0	0	0	0	0	0	0	11	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 PERCENT OF TOTAL

7/01/83 TO 9/30/83

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	.05	.00	.05	.00	.00	.00	.00	.00	.09	2.52
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	.09	.00	.00	.00	.00	.00	.00	.09	2.46
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.97
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	.05	.00	.00	.00	.00	.00	.00	.05	2.91
WSW	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.50
W	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	3.04
WNW	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	3.40
NW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NNW	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	1.77
TOTAL	.00	.00	.00	.00	.19	.23	.09	.00	.00	.00	.00	.00	.51	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	2	0	0	0	0	0	0	2	2.48
NNE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.56
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.88
E	0	0	0	0	0	1	0	0	0	0	0	0	1	2.95
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.30
SE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.50
SSE	0	0	0	0	0	1	0	0	0	0	0	0	1	2.68
S	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SSW	0	0	0	0	0	1	0	0	0	0	0	0	1	2.32
SW	0	0	0	1	0	2	0	0	0	0	0	0	3	2.07
WSW	0	0	0	0	0	2	0	0	0	0	0	0	2	2.66
W	0	0	0	0	0	0	1	0	0	0	0	0	1	3.35
WNW	0	0	0	0	0	0	1	0	0	0	0	0	1	4.29
NW	0	0	0	0	0	0	2	0	0	0	0	0	2	4.22
NNW	0	0	0	0	0	0	1	0	0	0	0	0	1	3.58
TOTAL	0	0	0	3	1	10	5	0	0	0	0	0	19	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.05	.00	.00	.00	.00	.00	.00	.09	2.48
NNE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.56
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.88
E	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.95
ESE	.00	.00	.00	.05	.00	.00	.00	.03	.00	.00	.00	.00	.05	1.30
SE	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.50
SSE	.00	.00	.00	.00	.00	.05	.06	.00	.00	.00	.00	.00	.05	2.68
S	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00
SSW	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.32
SW	.00	.00	.00	.05	.00	.09	.00	.00	.00	.00	.00	.00	.14	2.07
WSW	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09	2.66
W	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	3.35
WNW	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	4.29
NW	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.09	4.22
NNW	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05	3.58
TOTAL	.00	.00	.00	.14	.05	.46	.23	.00	.00	.00	.00	.00	.88	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 D (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

REVISION 0

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/83 TO 9/30/83

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	1	1	0	0	0	0	0	0	2	2.06
NNE	0	0	0	2	3	2	4	0	0	0	0	0	11	2.43
NE	0	0	0	3	3	0	0	0	0	0	0	0	6	1.56
ENE	0	0	0	5	0	0	0	0	0	0	0	0	5	1.38
E	0	0	0	2	3	0	0	0	0	0	0	0	5	1.61
ESE	0	0	1	2	1	0	0	0	0	0	0	0	4	1.35
SE	0	0	0	1	1	3	0	0	0	0	0	0	5	2.03
SSE	0	0	0	1	3	2	0	0	0	0	0	0	6	1.98
S	0	0	1	3	2	0	0	0	0	0	0	0	6	1.61
SSW	0	0	0	0	2	2	0	0	0	0	0	0	4	2.12
SW	0	0	0	2	4	2	0	0	0	0	0	0	8	1.80
WSW	0	0	0	1	1	2	0	0	0	0	0	0	4	2.03
W	0	0	0	1	2	1	0	0	0	0	0	0	4	1.87
WNW	0	0	0	1	3	4	1	0	0	0	0	0	9	2.14
NW	0	0	1	2	3	3	4	0	0	0	0	0	13	2.30
NNW	0	0	0	0	4	0	5	0	0	0	0	0	9	2.93
TOTAL	0	0	3	26	35	22	14	0	0	0	0	0	101	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.05	.05	.00	.00	.00	.00	.00	.00	.09	2.06
NNE	.00	.00	.00	.09	.14	.09	.19	.00	.00	.00	.00	.00	.51	2.43
NE	.00	.00	.00	.14	.14	.00	.00	.00	.00	.00	.00	.00	.28	1.56
ENE	.00	.00	.00	.23	.00	.00	.00	.00	.00	.00	.00	.00	.23	1.38
E	.00	.00	.00	.09	.14	.00	.00	.00	.00	.00	.00	.00	.23	1.61
ESE	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.00	.19	1.35
SE	.00	.00	.00	.05	.05	.14	.00	.00	.00	.00	.00	.00	.23	2.03
SSE	.00	.00	.00	.05	.14	.09	.00	.00	.00	.00	.00	.00	.28	1.98
S	.00	.00	.05	.14	.09	.00	.00	.00	.00	.00	.00	.00	.28	1.61
SSW	.00	.00	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.19	2.12
SW	.00	.00	.00	.09	.19	.09	.00	.00	.00	.00	.00	.00	.37	1.80
WSW	.00	.00	.00	.05	.05	.09	.00	.00	.00	.00	.00	.00	.19	2.03
W	.00	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.19	1.87
WNW	.00	.00	.00	.05	.14	.19	.05	.00	.00	.00	.00	.00	.42	2.14
NW	.00	.00	.05	.09	.14	.14	.19	.00	.00	.00	.00	.00	.60	2.30
NNW	.00	.00	.00	.00	.19	.00	.23	.00	.00	.00	.00	.00	.42	2.93
TOTAL	.20	.00	.14	1.20	1.67	1.02	.65	.00	.00	.00	.00	.00	4.67	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	1	0	0	0	0	0	0	1	2.37
NNE	0	0	0	2	0	3	1	0	0	0	0	0	6	2.49
NE	0	0	0	0	0	5	0	0	0	0	0	0	5	2.69
ENE	0	0	1	4	1	0	0	0	0	0	0	0	6	1.43
E	0	0	0	3	1	0	0	0	0	0	0	0	4	1.56
ESE	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
SE	0	0	2	2	4	0	0	0	0	0	0	0	8	1.58
SSE	0	0	0	1	3	11	1	0	0	0	0	0	16	2.33
S	0	0	0	1	1	14	0	0	0	0	0	0	16	2.38
SSW	0	0	0	0	2	11	2	0	0	0	0	0	15	2.56
SW	0	0	0	1	5	3	0	0	0	0	0	0	9	1.96
WSW	0	0	0	3	1	1	0	0	0	0	0	0	5	1.66
W	0	0	1	5	6	3	0	0	0	0	0	0	15	1.65
WNW	0	0	0	2	4	7	2	0	0	0	0	0	15	2.37
NW	0	0	0	1	3	0	0	0	0	0	0	0	4	1.70
NNW	0	0	0	5	8	1	1	0	0	0	0	0	15	1.79
TOTAL	0	0	4	31	39	60	7	0	0	0	0	0	141	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 E (30-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN PERCENT OF TOTAL

7/01/83 TO 9/30/83

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	.05	.00	.00	.00	.00	.00	.00	.05	2.37
NNE	.00	.00	.00	.09	.00	.14	.05	.00	.00	.00	.00	.00	.28	2.49
NE	.00	.00	.00	.00	.00	.23	.00	.00	.00	.00	.00	.00	.23	2.69
ENE	.00	.00	.05	.19	.05	.00	.00	.00	.00	.00	.00	.00	.28	1.43
E	.00	.00	.00	.14	.05	.00	.00	.00	.00	.00	.00	.00	.19	1.56
ESE	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.12
SE	.00	.00	.09	.09	.19	.00	.00	.00	.00	.00	.00	.00	.37	1.58
SSE	.00	.00	.00	.05	.14	.51	.05	.00	.00	.00	.00	.00	.74	2.33
S	.00	.00	.00	.05	.05	.65	.00	.00	.00	.00	.00	.00	.74	2.38
SSW	.00	.00	.00	.00	.09	.51	.09	.00	.00	.00	.00	.00	.69	2.56
SW	.00	.00	.00	.05	.23	.14	.00	.00	.00	.00	.00	.00	.42	1.96
WSW	.00	.00	.00	.14	.05	.05	.00	.00	.00	.00	.00	.00	.23	1.66
W	.00	.00	.05	.23	.28	.14	.00	.00	.00	.00	.00	.00	.69	1.65
WNW	.00	.00	.00	.09	.19	.32	.09	.00	.00	.00	.00	.00	.69	2.37
NW	.00	.00	.00	.05	.14	.00	.00	.00	.00	.00	.00	.00	.19	1.70
NNW	.00	.00	.00	.23	.37	.05	.05	.00	.00	.00	.00	.00	.69	1.79
TOTAL	.00	.00	.19	1.43	1.80	2.78	.32	.00	.00	.00	.00	.00	6.52	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2151 (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

7/01/83 TO 9/30/83

WIND SPEED (M/S)

WIND DIRECTION	.200- .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	1	0	0	0	0	0	0	0	0	0	0	1	.67
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	1.70
SSE	0	0	0	0	2	3	0	0	0	0	0	0	5	2.15
S	0	0	0	0	2	4	0	0	0	0	0	0	6	2.28
SSW	0	0	2	1	1	4	0	0	0	0	0	0	8	1.83
SW	0	0	2	2	0	0	0	0	0	0	0	0	4	1.11
WSW	0	1	0	2	2	0	0	0	0	0	0	0	5	1.28
W	0	1	0	1	5	0	0	0	0	0	0	0	7	1.63
WNW	0	0	0	1	2	0	0	0	0	0	0	0	3	1.62
NW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.16
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
TOTAL	0	3	4	8	15	11	0	0	0	0	0	0	41	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.57
ESE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SE	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.70
SSE	.00	.00	.00	.00	.09	.14	.00	.00	.00	.00	.00	.00	.23	2.15
S	.00	.00	.00	.00	.09	.19	.00	.00	.00	.00	.00	.00	.28	2.28
SSW	.00	.00	.09	.05	.05	.19	.00	.00	.00	.00	.00	.00	.37	1.83
SW	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00	.19	1.11
WSW	.00	.05	.00	.09	.09	.00	.00	.00	.00	.00	.00	.00	.23	1.28
W	.00	.05	.00	.05	.23	.00	.00	.00	.00	.00	.00	.00	.32	1.63
WNW	.00	.00	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.14	1.62
NW	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.15
NNW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.14	.19	.37	.69	.51	.00	.00	.00	.00	.00	.00	1.90	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	2	0	0	0	0	0	0	0	0	0	2	.92
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	1.61
S	0	0	0	1	0	0	0	0	0	0	0	0	1	1.25
SSW	0	0	0	1	1	0	0	0	0	0	0	0	2	1.59
SW	0	0	0	1	0	0	0	0	0	0	0	0	1	1.16
WSW	0	0	0	1	1	0	0	0	0	0	0	0	2	1.61
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	4	3	0	0	0	0	0	0	0	9	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.92
S	.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	1.61
S	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.25
SSW	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.59
SW	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.16
WSW	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.05	1.61
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	.15	.14	.00	.00	.00	.00	.00	.00	.00	.42	

NUMBER OF DAYS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION
ALL STABILITY CLASSES

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

7/01/83 TO 9/30/83

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	4	14	17	47	45	13	0	0	0	0	140	3.09
NNE	0	0	3	25	16	52	38	2	3	0	0	0	139	2.71
NE	0	1	2	23	16	16	4	0	0	0	0	0	62	1.88
ENE	0	1	9	29	14	11	0	0	0	0	0	0	64	1.58
E	0	1	8	20	20	16	4	0	0	0	0	0	68	1.81
ESE	0	1	6	21	14	22	6	0	0	0	0	0	70	1.98
SE	0	0	9	16	24	28	11	0	0	0	0	0	88	2.07
SSE	1	2	6	21	48	73	6	0	0	0	0	0	157	2.05
S	0	1	7	27	40	110	14	0	0	0	0	0	199	2.21
SSW	0	2	14	63	63	120	8	0	0	0	0	0	270	1.97
SW	0	2	16	47	88	75	3	0	0	0	0	0	231	1.84
WSW	1	3	11	37	47	37	2	0	0	0	0	0	138	1.79
W	0	2	9	40	36	32	3	0	0	0	0	0	122	1.79
WNW	1	2	0	16	37	59	19	0	0	0	0	0	134	2.29
NW	1	5	5	33	33	38	26	3	0	0	0	0	144	2.23
NNW	0	1	2	21	27	41	37	6	0	0	0	0	135	2.65

TOTAL 4 24 111 453 540 777 225 24 3 0 0 0 2161

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.19	.65	.79	2.17	2.08	.60	.00	.00	.00	.00	6.48	3.09
NNE	.00	.00	.14	1.16	.74	2.41	1.76	.09	.14	.00	.00	.00	6.43	2.71
NE	.00	.05	.09	1.06	.74	.74	.19	.00	.00	.00	.00	.00	2.87	1.88
ENE	.00	.05	.42	1.34	.65	.51	.00	.00	.00	.00	.00	.00	2.96	1.58
E	.00	.05	.37	.93	.93	.74	.14	.00	.00	.00	.00	.00	3.15	1.81
ESE	.00	.05	.28	.97	.65	1.02	.28	.00	.00	.00	.00	.00	3.24	1.98
SE	.00	.00	.42	.74	1.11	1.30	.51	.00	.00	.00	.00	.00	4.07	2.07
SSE	.05	.09	.28	.97	2.22	3.38	.28	.00	.00	.00	.00	.00	7.27	2.05
S	.00	.05	.32	1.25	1.85	5.09	.65	.00	.00	.00	.00	.00	9.21	2.21
SSW	.00	.09	.65	2.92	2.92	5.55	.37	.00	.00	.00	.00	.00	12.49	1.97
SW	.00	.09	.74	2.17	4.07	3.47	.14	.00	.00	.00	.00	.00	10.69	1.84
WSW	.05	.14	.51	1.71	2.17	1.71	.09	.00	.00	.00	.00	.00	6.39	1.79
W	.00	.09	.42	1.85	1.67	1.48	.14	.00	.00	.00	.00	.00	5.65	1.79
WNW	.05	.09	.00	.74	1.71	2.73	.88	.00	.00	.00	.00	.00	6.20	2.29
NW	.05	.23	.23	1.53	1.53	1.76	1.20	.14	.00	.00	.00	.00	6.66	2.23
NNW	.00	.05	.09	.97	1.25	1.90	1.71	.28	.00	.00	.00	.00	6.25	2.66

TOTAL .19 1.11 5.14 20.96 24.99 35.96 10.41 1.11 .14 .00 .00 .00 100.00

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	>10.0	ROW TOTAL	MEAN SPEED
N	0	0	0	0	2	7	8	0	0	0	0	0	17	2.94
NNE	0	0	0	1	1	0	4	0	0	0	0	0	6	3.13
NE	0	0	0	0	5	1	0	0	0	0	0	0	6	2.00
ENE	0	0	0	0	0	2	0	0	0	0	0	0	2	2.50
E	0	0	0	0	0	7	0	0	0	0	0	0	7	2.70
ESE	0	0	0	0	0	1	2	0	0	0	0	0	3	3.31
SE	0	0	0	0	0	3	3	0	0	0	0	0	6	3.30
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
S	0	0	0	1	0	0	0	0	0	0	0	0	1	1.12
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
SW	0	0	0	0	2	7	2	0	0	0	0	0	11	2.50
WSW	0	0	0	0	1	5	1	0	0	0	0	0	7	2.48
W	0	0	0	0	0	1	0	0	0	0	0	0	1	2.82
WNW	0	0	0	0	1	2	1	0	0	0	0	0	4	2.70
NW	0	0	0	0	1	6	3	2	0	0	0	0	12	3.39
NNW	0	0	0	1	1	12	15	4	0	0	0	0	33	3.56
TOTAL	0	0	0	3	14	54	39	6	0	0	0	0	116	

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

7/01/83 TO 9/30/83

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	ROM TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.09	.32	.37	.00	.00	.00	.00	.00	.79	2.94
NNE	.00	.00	.00	.05	.05	.00	.19	.00	.00	.00	.00	.00	.28	3.08
NE	.00	.00	.00	.00	.23	.05	.00	.00	.00	.00	.00	.00	.28	2.00
ENE	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09	2.50
E	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.32	2.70
ESE	.00	.00	.00	.00	.00	.05	.09	.00	.00	.00	.00	.00	.14	3.31
SE	.00	.00	.00	.00	.00	.14	.14	.00	.00	.00	.00	.00	.28	3.30
SSE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	1.12
SSW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SW	.00	.00	.00	.00	.09	.32	.09	.00	.00	.00	.00	.00	.51	2.50
WSW	.00	.00	.00	.00	.05	.23	.05	.00	.00	.00	.00	.00	.32	2.48
W	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	2.82
WNW	.00	.00	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.19	2.70
NW	.00	.00	.00	.00	.05	.28	.14	.09	.00	.00	.00	.00	.56	3.39
NNW	.00	.00	.00	.05	.05	.56	.69	.19	.00	.00	.00	.00	1.53	3.56
TOTAL	.00	.00	.00	.14	.65	2.50	1.80	.28	.00	.00	.00	.00	5.37	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	3	5	8	1	0	0	0	0	17	3.32
NNE	0	0	0	0	2	1	3	0	0	0	0	0	6	2.96
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	0	1	2	0	0	0	0	0	0	0	3	1.68
E	0	0	0	0	1	4	2	0	0	0	0	0	7	2.59
ESE	0	0	0	0	1	1	1	0	0	0	0	0	3	2.79
SE	0	0	0	0	1	2	1	0	0	0	0	0	4	2.74
SSE	0	0	0	0	0	2	0	0	0	0	0	0	2	2.50
S	0	0	0	0	0	2	1	0	0	0	0	0	3	2.92
SSW	0	0	0	0	1	3	0	0	0	0	0	0	4	2.47
SI	0	0	0	0	1	5	1	0	0	0	0	0	7	2.64
WSW	0	0	0	0	1	5	0	0	0	0	0	0	6	2.44
W	0	0	0	0	0	4	1	0	0	0	0	0	5	2.71
WNW	0	0	0	1	0	2	3	0	0	0	0	0	6	2.99
NW	0	0	0	0	2	3	2	0	0	0	0	0	7	2.61
NNW	0	0	0	0	6	3	4	0	0	0	0	0	13	2.67
TOTAL	0	0	0	2	21	42	27	1	0	0	0	0	93	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	FCM TOTAL	MEAN SPEED
N	.00	.00	.00	.00	.14	.23	.37	.05	.00	.00	.00	.00	.79	3.32
NNE	.00	.00	.00	.00	.09	.05	.14	.00	.00	.00	.00	.00	.28	2.96
NE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENE	.00	.00	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.14	1.68
E	.00	.00	.00	.00	.05	.19	.09	.00	.00	.00	.00	.00	.32	2.59
ESE	.00	.00	.00	.00	.05	.05	.05	.00	.00	.00	.00	.00	.14	2.79
SE	.00	.00	.00	.00	.05	.09	.05	.00	.00	.00	.00	.00	.19	2.74
SSE	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09	2.50
S	.00	.00	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.14	2.92
SSW	.00	.00	.00	.00	.05	.14	.00	.00	.00	.00	.00	.00	.19	2.47
SW	.00	.00	.00	.00	.05	.23	.05	.00	.00	.00	.00	.00	.32	2.64
WSW	.00	.00	.00	.00	.05	.23	.00	.00	.00	.00	.00	.00	.28	2.44
W	.00	.00	.00	.00	.00	.19	.05	.00	.00	.00	.00	.00	.23	2.71
WNW	.00	.00	.00	.05	.00	.09	.14	.00	.00	.00	.00	.00	.23	2.99
NW	.00	.00	.00	.00	.09	.14	.09	.00	.00	.00	.00	.00	.32	2.61
NNW	.00	.00	.00	.00	.28	.14	.19	.00	.00	.00	.00	.00	.60	2.67
TOTAL	.00	.00	.00	.09	.97	1.94	1.25	.05	.00	.00	.00	.00	4.30	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

WIND SPEED (M/S)

WIND DIRECTION	760- 500	510- 750	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	M N S ED
N	0	0	0	4	7	2	0	0	0	0	0	13	2.63
NNE	0	0	1	1	2	3	0	0	0	0	0	7	2.84
NE	0	0	0	3	0	0	0	0	0	0	0	3	1.94
ENE	0	0	0	3	1	0	0	0	0	0	0	4	2.07
E	0	0	1	1	2	0	0	0	0	0	0	4	2.12
ESE	0	0	1	0	2	1	0	0	0	0	0	4	2.55
SE	0	0	1	0	2	4	0	0	0	0	0	7	2.92
SSE	0	0	0	0	2	1	0	0	0	0	0	3	2.86
S	0	0	1	0	0	1	0	0	0	0	0	2	2.37
SSW	0	0	0	4	4	3	0	0	0	0	0	11	2.45
SW	0	0	2	1	7	0	0	0	0	0	0	10	2.19
WSW	0	0	0	1	6	1	0	0	0	0	0	8	2.63
W	0	0	0	0	4	2	0	0	0	0	0	6	2.70
WNW	0	0	0	0	1	2	0	0	0	0	0	3	3.71
NW	0	0	2	0	2	2	0	0	0	0	0	6	2.85
NNW	0	0	1	1	7	2	2	0	0	0	0	13	2.98
TOTAL	0	0	10	19	49	24	2	0	0	0	0	104	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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
 7/01/83 TO 9/30/83
 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	.19	.32	.09	.00	.00	.00	.00	.00	.60	2.63
NNE	.00	.00	.00	.05	.05	.09	.14	.00	.00	.00	.00	.00	.32	2.84
NE	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.14	1.94
ENE	.00	.00	.00	.00	.14	.05	.00	.00	.00	.00	.00	.00	.19	2.07
E	.00	.00	.00	.05	.05	.09	.00	.00	.00	.00	.00	.00	.19	2.12
ESE	.00	.00	.00	.05	.00	.09	.05	.00	.00	.00	.00	.00	.19	2.55
SE	.00	.00	.00	.05	.00	.09	.19	.00	.00	.00	.00	.00	.32	2.92
SSE	.00	.00	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.14	2.86
S	.00	.00	.00	.05	.00	.00	.05	.00	.00	.00	.00	.00	.09	2.37
SSW	.00	.00	.00	.00	.19	.19	.14	.00	.00	.00	.00	.00	.51	2.45
SW	.00	.00	.00	.09	.05	.32	.00	.00	.00	.00	.00	.00	.46	2.19
WSW	.00	.00	.00	.00	.05	.28	.05	.00	.00	.00	.00	.00	.37	2.63
W	.00	.00	.00	.00	.00	.19	.09	.00	.00	.00	.00	.00	.28	2.70
WNW	.00	.00	.00	.00	.00	.05	.09	.00	.00	.00	.00	.00	.14	3.71
NW	.00	.00	.00	.09	.00	.09	.09	.00	.00	.00	.00	.00	.28	2.85
NNW	.00	.00	.00	.05	.05	.32	.09	.09	.00	.00	.00	.00	.60	2.98
TOTAL	.00	.00	.00	.46	.88	2.27	1.11	.09	.00	.00	.00	.00	4.31	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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
 7/01/83 TO 9/30/83
 WIND SPEED (M/S)

WIND DIRECTION	.22- .500	.50- .750	.75- 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	13	7	8	7	0	0	0	0	0	36	2.16
NNE	0	0	1	16	6	17	7	0	0	0	0	0	47	2.18
NE	0	0	0	14	7	6	0	0	0	0	0	0	27	1.64
ENE	0	0	4	15	7	4	0	0	0	0	0	0	30	1.56
E	0	0	3	9	12	2	0	0	0	0	0	0	26	1.58
ESE	0	0	1	10	10	9	0	0	0	0	0	0	30	1.79
SE	0	0	0	6	4	14	1	0	0	0	0	0	25	2.15
SSE	0	0	2	4	18	18	2	0	0	0	0	0	44	2.15
S	0	0	3	6	9	20	4	0	0	0	0	0	42	2.19
SSW	0	1	2	20	14	16	1	0	0	0	0	0	54	1.79
SW	0	1	3	19	26	11	0	0	0	0	0	0	60	1.68
WSW	0	0	3	9	12	8	0	0	0	0	0	0	32	1.78
W	0	0	1	8	8	4	0	0	0	0	0	0	21	1.74
WNW	0	0	0	3	6	14	2	0	0	0	0	0	25	2.37
NW	0	0	4	14	12	12	11	0	0	0	0	0	53	2.13
NNW	0	0	0	7	12	8	9	0	0	0	0	0	36	2.35
TOTAL	0	2	28	173	170	171	44	0	0	0	0	0	528	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.60	.32	.37	.32	.00	.00	.00	.00	.00	1.67	2.16
NNE	.00	.00	.05	.74	.28	.79	.32	.00	.00	.00	.00	.00	2.17	2.18
NE	.00	.00	.00	.65	.32	.28	.00	.00	.00	.00	.00	.00	1.25	1.54
ENE	.00	.00	.19	.69	.32	.19	.00	.00	.00	.00	.00	.00	1.39	1.56
E	.00	.00	.14	.42	.56	.09	.00	.00	.00	.00	.00	.00	1.20	1.58
ESE	.00	.00	.05	.46	.46	.42	.00	.00	.00	.00	.00	.00	1.39	1.79
SE	.00	.00	.00	.28	.19	.65	.05	.00	.00	.00	.00	.00	1.16	2.15
SSE	.00	.00	.09	.19	.83	.83	.09	.00	.00	.00	.00	.00	2.04	2.15
S	.00	.00	.14	.28	.42	.93	.19	.00	.00	.00	.00	.00	1.94	2.19
SSW	.00	.05	.09	.93	.65	.74	.05	.00	.00	.00	.00	.00	2.50	1.79
SW	.00	.05	.14	.80	1.20	.51	.00	.00	.00	.00	.00	.00	2.78	1.68
WSW	.00	.00	.14	.42	.56	.37	.00	.00	.00	.00	.00	.00	1.48	1.78
W	.00	.00	.05	.37	.37	.19	.00	.00	.00	.00	.00	.00	.97	1.74
WNW	.00	.00	.00	.14	.28	.65	.09	.00	.00	.00	.00	.00	1.16	2.37
NW	.00	.00	.19	.65	.56	.56	.51	.00	.00	.00	.00	.00	2.45	2.13
NNW	.00	.00	.00	.32	.56	.37	.42	.00	.00	.00	.00	.00	1.67	2.35
TOTAL	.00	.09	1.30	8.01	7.87	7.91	2.04	.00	.00	.00	.00	.00	27.21	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	2	1	1	20	20	12	0	0	0	0	56	3.80
NNE	0	0	2	7	6	32	21	2	3	0	0	0	73	3.00
NE	0	1	1	9	1	9	4	0	0	0	0	0	25	2.15
ENE	0	0	4	13	2	4	0	0	0	0	0	0	23	1.49
E	0	0	3	9	6	1	1	0	0	0	0	0	20	1.63
ESE	0	0	0	5	3	9	2	0	0	0	0	0	19	2.30
SE	0	0	3	4	16	6	2	0	0	0	0	0	31	1.87
SSE	0	0	1	13	21	40	3	0	0	0	0	0	78	2.07
S	0	0	2	9	20	65	8	0	0	0	0	0	104	2.32
SSW	0	0	3	18	30	73	4	0	0	0	0	0	128	2.13
SW	0	0	5	11	39	42	0	0	0	0	0	0	97	1.94
WSW	0	0	2	8	14	8	0	0	0	0	0	0	32	1.80
W	0	1	3	11	19	17	0	0	0	0	0	0	51	1.85
WNW	0	0	0	6	18	36	11	0	0	0	0	0	71	2.36
NW	1	0	0	6	6	12	8	0	0	0	0	0	33	2.42
NNW	0	1	0	6	7	9	7	0	0	0	0	0	30	2.30
TOTAL	1	3	31	136	209	383	91	14	3	0	0	0	871	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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 (C3-200 FOOT)
 WINDS AT 33 FOOT LEVEL

WIND FREQUENCY DISTRIBUTION
 FREQUENCY IN PERCENT OF TOTAL

7/01/83 TO 9/30/83

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	.05	.05	.93	.93	.56	.00	.00	.00	.00	2.59	3.80
NNE	.00	.00	.09	.32	.28	1.48	.97	.09	.14	.00	.00	.00	3.38	3.00
NE	.00	.05	.05	.42	.05	.42	.19	.00	.00	.00	.00	.00	1.16	2.15
ENE	.00	.00	.19	.60	.09	.19	.00	.00	.00	.00	.00	.00	1.06	1.49
E	.00	.00	.14	.42	.28	.05	.05	.00	.00	.00	.00	.00	.93	1.53
ESE	.00	.00	.00	.23	.14	.42	.09	.00	.00	.00	.00	.00	.88	2.30
SE	.00	.00	.14	.19	.74	.28	.09	.00	.00	.00	.00	.00	1.43	1.87
SSE	.00	.00	.05	.60	.97	1.85	.14	.00	.00	.00	.00	.00	3.61	2.07
S	.00	.00	.09	.42	.93	3.01	.37	.00	.00	.00	.00	.00	4.81	2.32
SSW	.00	.00	.14	.83	1.39	3.38	.19	.00	.00	.00	.00	.00	5.92	2.13
SW	.00	.00	.23	.51	1.80	1.94	.00	.00	.00	.00	.00	.00	4.49	1.94
WSW	.00	.00	.09	.37	.65	.37	.00	.00	.00	.00	.00	.00	1.48	1.80
W	.00	.05	.14	.51	.88	.79	.00	.00	.00	.00	.00	.00	2.36	1.85
WNW	.00	.00	.00	.28	.83	1.67	.51	.00	.00	.00	.00	.00	3.29	2.36
NW	.05	.00	.00	.28	.28	.56	.37	.00	.00	.00	.00	.00	1.53	2.42
NNW	.00	.05	.00	.28	.32	.42	.32	.00	.00	.00	.00	.00	1.39	2.30
TOTAL	.05	.14	1.43	6.29	9.67	17.72	4.21	.65	.14	.00	.00	.00	40.31	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)

WIND FREQUENCY DISTRIBUTION

FREQUENCY IN NUMBER OF OCCURRENCES

7/01/83 TO 9/30/83

WIND SPEED (M/S)

WIND DIRECTION	SPEED												TOTAL	MEAN SPEED	
	.200- .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			
N	0	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	0	.00
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
ENE	0	0	1	0	0	0	0	0	0	0	0	0	0	1	.94
E	0	1	0	0	0	0	0	0	0	0	0	0	0	1	.67
ESE	0	0	0	4	0	0	0	0	0	0	0	0	0	4	1.37
SE	0	0	2	3	2	1	0	0	0	0	0	0	0	8	1.46
SSE	0	0	0	1	6	3	0	0	0	0	0	0	0	15	2.06
S	0	0	1	2	9	21	0	0	0	0	0	0	0	33	2.14
SSW	0	0	3	19	10	18	0	0	0	0	0	0	0	50	1.84
SW	0	0	3	14	13	3	0	0	0	0	0	0	0	33	1.51
WSW	0	2	1	10	10	5	0	0	0	0	0	0	0	28	1.59
W	0	1	2	8	6	1	0	0	0	0	0	0	0	18	1.57
WNW	0	0	0	3	10	3	0	0	0	0	0	0	0	16	1.85
NW	0	0	1	4	10	3	0	1	0	0	0	0	0	19	1.97
NNW	0	0	1	4	0	2	0	0	0	0	0	0	0	7	1.47
TOTAL	0	4	15	72	76	65	0	1	0	0	0	0	0	233	

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NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS	2161 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
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168	1
169	1
170	1
171	1
172	1
173	1
174	1
175	1
176	1
177	1
178	1
179	1
180	1

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

7/01/83 TO 9/30/83

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	.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	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.94
E	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.67
ESE	.00	.00	.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.19	1.37
SE	.00	.00	.09	.14	.09	.05	.00	.00	.00	.00	.00	.00	.37	1.46
SSE	.00	.00	.00	.05	.28	.37	.00	.00	.00	.00	.00	.00	.69	2.06
S	.00	.00	.05	.09	.42	.97	.00	.00	.00	.00	.00	.00	1.53	2.14
SSW	.00	.00	.14	.88	.46	.83	.00	.00	.00	.00	.00	.00	2.31	1.84
SW	.00	.00	.14	.65	.60	.14	.00	.00	.00	.00	.00	.00	1.53	1.51
WSW	.00	.09	.05	.46	.46	.23	.00	.00	.00	.00	.00	.00	1.30	1.59
W	.00	.05	.09	.37	.28	.05	.02	.00	.00	.00	.00	.00	.83	1.52
WNW	.00	.00	.00	.14	.46	.14	.00	.00	.00	.00	.00	.00	.74	1.85
NW	.00	.00	.05	.19	.46	.14	.00	.05	.00	.00	.00	.00	.88	1.97
NNW	.00	.00	.05	.19	.00	.09	.00	.00	.00	.00	.00	.00	.32	1.47
TOTAL	.00	.19	.69	3.33	3.52	3.01	.00	.05	.00	.00	.00	.00	10.78	

0

NUMBER OF CALMS

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	0	0	0	0	0	0	0	1	.89
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	.00
NE	0	0	1	0	0	0	0	0	0	0	0	0	1	.80
ENE	0	1	0	0	0	0	0	0	0	0	0	0	1	.58
E	0	0	2	1	0	0	0	0	0	0	0	0	3	1.00
ESE	0	1	5	1	0	0	0	0	0	0	0	0	7	.98
SE	0	0	4	2	1	0	0	0	0	0	0	0	7	1.14
SSE	1	2	3	3	3	3	0	0	0	0	0	0	13	1.39
S	0	1	1	8	2	2	0	0	0	0	0	0	14	1.48
SSW	0	1	6	6	4	6	0	0	0	0	0	0	23	1.54
SW	0	1	5	1	6	0	0	0	0	0	0	0	13	1.35
WSW	1	1	5	10	9	0	0	0	0	0	0	0	25	1.38
W	0	0	3	13	3	1	0	0	0	0	0	0	20	1.39
WNW	1	2	0	3	2	1	0	0	0	0	0	0	9	1.24
NW	0	5	0	7	2	0	0	0	0	0	0	0	14	1.12
NNW	0	0	1	2	0	0	0	0	0	0	0	0	3	1.19
TOTAL	3	15	37	57	31	13	0	0	0	0	0	0	156	

NUMBER OF CALMS 0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (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

7/01/83 TO 9/30/83

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	.00	.00	.00	.00	.00	.00	.00	.05	.89
NNE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NE	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.80
ENE	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.58
E	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14	1.00
ESE	.00	.05	.23	.05	.00	.00	.00	.00	.00	.00	.00	.00	.32	.98
SE	.00	.00	.19	.09	.05	.00	.00	.00	.00	.00	.00	.00	.32	1.14
SSE	.05	.09	.14	.14	.14	.14	.00	.00	.00	.00	.00	.00	.69	1.39
S	.00	.05	.05	.37	.09	.09	.00	.00	.00	.00	.00	.00	.65	1.48
SSW	.00	.05	.28	.28	.19	.28	.00	.00	.00	.00	.00	.00	1.06	1.54
SW	.00	.05	.23	.05	.28	.00	.00	.00	.00	.00	.00	.00	.60	1.35
WSW	.05	.05	.23	.46	.37	.00	.00	.00	.00	.00	.00	.00	1.16	1.38
W	.00	.00	.14	.60	.14	.05	.00	.00	.00	.00	.00	.00	.93	1.39
WNW	.05	.09	.00	.14	.09	.05	.00	.00	.00	.00	.00	.00	.42	1.24
NW	.00	.23	.00	.32	.09	.00	.00	.00	.00	.00	.00	.00	.65	1.12
NNW	.00	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00	.14	1.19
TOTAL	.14	.69	1.71	2.64	1.43	.60	.00	.00	.00	.00	.00	.00	7.22	

NUMBER OF CALMS

0

NUMBER OF INVALID HOURS 47 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS LESS NUMBER OF VALID HOURS)

NUMBER OF VALID HOURS 2161 (TOTAL NUMBER OF POSSIBLE OBSERVATIONS WITH VALID SPEED, DIRECTION, AND STABILITY)