

Data Table 6-3 Meteorological Data 2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class A

Extremely Unstable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.170	0.160	0.140	0.144	0.147	0.140	0.151	0.138
4.00	0.199	0.252	0.296	0.403	0.447	0.342	0.261	0.241
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.370	0.410	0.440	0.550	0.590	0.480	0.410	0.380

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class A

Extremely Unstable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.131	0.135	0.158	0.202	0.202	0.220	0.147	0.158	2.542
4.00	0.335	0.337	0.433	0.660	0.729	0.392	0.252	0.227	5.806
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.470	0.470	0.590	0.860	0.930	0.610	0.400	0.390	8.350

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class B

Moderately Unstable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.025	0.034	0.041	0.025	0.046	0.037	0.032	0.032
4.00	0.151	0.163	0.282	0.488	0.424	0.316	0.218	0.105
6.00	0.011	0.011	0.062	0.080	0.066	0.046	0.011	0.002
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.190	0.210	0.390	0.590	0.540	0.400	0.260	0.140

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class B

Moderately Unstable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.005	0.028	0.034	0.046	0.032	0.062	0.037	0.032	0.548
4.00	0.197	0.261	0.376	0.695	0.582	0.397	0.135	0.138	4.928
6.00	0.030	0.037	0.053	0.105	0.133	0.064	0.028	0.009	0.750
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.230	0.330	0.460	0.850	0.750	0.520	0.200	0.180	6.230

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class C

Slightly Unstable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.064	0.064	0.108	0.087	0.089	0.064	0.055	0.048
4.00	0.202	0.323	0.722	0.745	0.566	0.406	0.300	0.179
6.00	0.138	0.229	0.791	0.697	0.369	0.183	0.172	0.117
8.00	0.048	0.057	0.117	0.073	0.011	0.005	0.018	0.048
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.450	0.670	1.740	1.600	1.040	0.660	0.550	0.390

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class C

Slightly Unstable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.062	0.034	0.060	0.096	0.078	0.062	0.062	0.055	1.089
4.00	0.403	0.463	0.575	0.882	0.555	0.509	0.238	0.181	7.250
6.00	0.328	0.436	0.623	1.029	0.933	0.752	0.266	0.110	7.172
8.00	0.050	0.057	0.115	0.206	0.277	0.238	0.048	0.014	1.384
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.840	0.990	1.370	2.210	1.840	1.560	0.610	0.360	16.900

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class D

Neutral Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.108	0.142	0.215	0.204	0.121	0.119	0.131	0.131
4.00	0.431	0.731	1.563	1.295	0.995	0.798	0.653	0.665
6.00	0.367	0.591	1.057	0.614	0.532	0.419	0.656	1.364
8.00	0.101	0.115	0.048	0.028	0.018	0.025	0.025	0.215
12.00	0.018	0.016	0.000	0.002	0.000	0.000	0.005	0.023
14.10	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
TOTAL	1.020	1.600	2.880	2.140	1.670	1.360	1.470	2.400

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class D

Neutral Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.160	0.167	0.144	0.117	0.165	0.131	0.133	0.138	2.774
4.00	1.300	1.169	1.389	1.389	1.213	1.015	0.692	0.488	17.725
6.00	1.937	1.116	1.187	1.249	1.217	1.238	0.486	0.273	15.445
8.00	0.293	0.355	0.257	0.289	0.433	0.546	0.121	0.037	3.044
12.00	0.053	0.032	0.032	0.121	0.183	0.241	0.032	0.005	0.791
14.10	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.005
TOTAL	3.740	2.840	3.010	3.170	3.210	3.170	1.460	0.940	39.780

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class E

Slightly Stable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.048	0.041	0.066	0.055	0.085	0.057	0.080	0.050
4.00	0.193	0.270	0.706	0.653	0.546	0.626	0.635	0.672
6.00	0.248	0.342	0.257	0.442	0.523	0.415	0.470	0.740
8.00	0.002	0.000	0.000	0.000	0.000	0.002	0.000	0.005
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.490	0.650	1.030	1.150	1.150	1.100	1.190	1.470

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class E

Slightly Stable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.066	0.055	0.057	0.073	0.062	0.066	0.053	0.048	0.965
4.00	0.795	0.853	0.678	0.587	0.630	0.486	0.403	0.332	9.065
6.00	1.277	0.983	0.972	0.814	0.628	0.436	0.215	0.083	8.843
8.00	0.011	0.011	0.007	0.000	0.000	0.000	0.000	0.000	0.039
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	2.150	1.900	1.710	1.470	1.320	0.990	0.670	0.460	18.910

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class F

Moderately Stable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.064	0.048	0.092	0.066	0.046	0.066	0.055	0.089
4.00	0.309	0.346	0.465	0.213	0.176	0.254	0.332	0.497
6.00	0.163	0.319	0.094	0.030	0.025	0.080	0.135	0.167
8.00	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.540	0.720	0.650	0.310	0.250	0.400	0.520	0.750

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class F

Moderately Stable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.105	0.103	0.092	0.069	0.071	0.083	0.069	0.092	1.210
4.00	0.536	0.607	0.474	0.433	0.328	0.303	0.339	0.328	5.944
6.00	0.309	0.438	0.232	0.257	0.140	0.138	0.066	0.083	2.675
8.00	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.007
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.950	1.150	0.800	0.760	0.540	0.520	0.470	0.500	9.840

2007-2011 Meteorological Data

Direction is from which the wind blows

43824 WIND STATS H_AREA 60MIN 62M 07-11 STABILITY FROM SIGMA E

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class G

Extremely Stable Conditions

UMAX(M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE
2.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Joint Frequency Distribution of Wind Speed and Direction:

Atmospheric Stability Class G

Extremely Stable Conditions

UMAX(M/S)	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
2.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000