

APPENDIX 2

Climatic Information

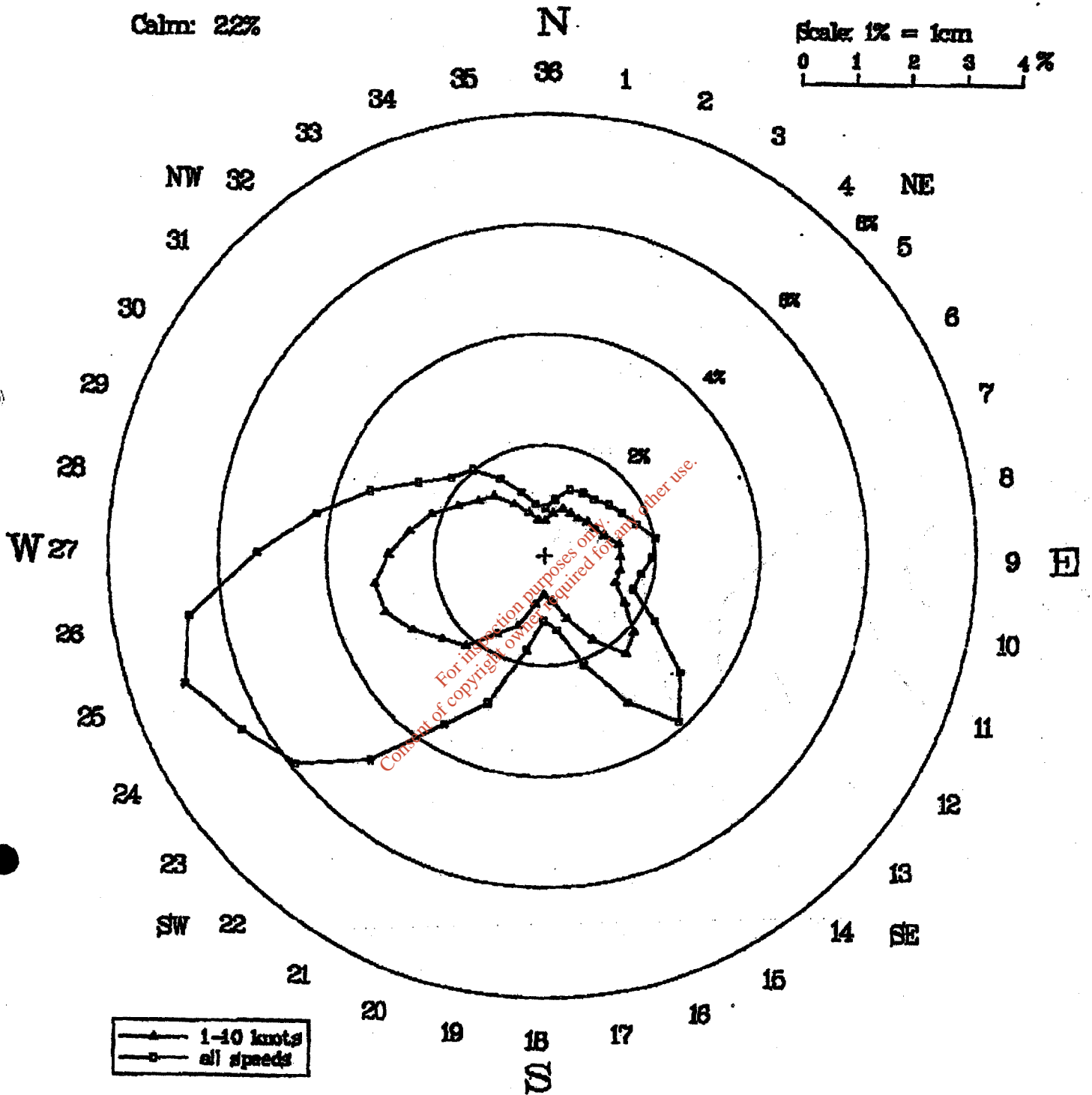
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6919712001

Percentage Frequency of Occurrence of Wind Directions

Calm: 22%

Scale: 1% = 1cm



Percentage Frequency of Occurrence of Wind Speeds

+ less than 0.1

0	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	over 48 knots	%
22	102	180	274	284	97	35	08	+	+	00	

mean wind speed: 100 knots
anemometer height: 12m

standard deviation: 59 knots

Met Eireann, Glasnevin Hill, Dublin 9.



DUBLIN AIRPORT

monthly and annual mean and extreme values
1961-1990

lat. 53° 25' N
long. 6° 14' W
height 71 metres above mean sea level

TEMPERATURE (degrees Celsius)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
mean daily max.	7.8	7.5	8.5	11.4	14.2	17.2	18.9	18.6	16.6	13.7	9.8	8.4	12.8
mean daily min.	2.5	2.5	3.1	4.4	6.8	8.6	11.4	11.1	9.8	7.6	4.2	3.4	6.4
mean	5.0	5.0	6.3	7.9	10.5	13.4	15.1	14.9	13.1	10.6	7.0	5.9	9.6
absolute max.	16.6	15.3	21.3	20.5	23.4	25.1	27.6	26.7	23.9	21.2	18.0	16.2	28.7
absolute min.	-9.4	-6.2	-6.7	-3.7	-1.0	1.5	4.8	4.1	1.7	-0.6	-3.4	-10.1	-10.1
mean no. of days with air frost	6.4	4.9	3.3	1.4	0.2	0.0	0.0	0.0	0.0	0.1	3.3	4.8	24.3
mean no. of days with ground frost	14.0	12.7	12.4	9.2	2.9	0.2	0.0	0.0	0.6	2.3	9.7	12.5	76.4
RELATIVE HUMIDITY (%)													
mean at 0900UTC	86	84	82	79	76	78	78	81	82	85	86	86	82
mean at 1500UTC	79	75	70	68	67	68	68	70	70	75	78	81	72
SUNSHINE (hours)													
mean daily duration	1.8	2.5	3.6	5.2	6.1	6.0	5.4	5.1	4.3	3.1	2.4	1.7	3.9
greatest daily duration	8.0	9.2	11.9	13.8	15.4	15.9	15.4	14.5	12.4	10.4	8.5	6.9	15.9
mean no. of days with no sun	11	8	5	3	2	2	1	2	3	6	8	11	61
RAINFALL (mm)													
mean monthly total	69.4	50.4	63.8	60.7	65.1	66.0	49.9	70.5	66.7	68.7	64.7	75.6	732.7
greatest daily total	30.3	31.3	35.7	28.2	30.0	46.6	34.6	60.2	40.9	47.6	55.1	41.7	60.2
mean no. of days with ≥ 0.2 mm	18	14	16	14	16	14	13	15	15	16	16	18	185
mean no. of days with ≥ 1.0 mm	13	10	11	10	11	10	9	11	10	11	11	12	128
mean no. of days with ≥ 5.0 mm	6	3	3	3	4	4	3	4	4	4	4	5	48
WIND (knots)													
mean monthly speed	12.2	11.7	11.6	8.7	8.7	8.0	8.1	8.0	8.9	9.9	10.8	11.8	9.9
max. gust	75	73	61	60	58	55	54	58	64	73	64	71	75
max. mean 10-minute speed	48	48	42	41	39	38	34	41	35	45	43	47	49
mean no. of days with gales	2.1	1.1	1.2	0.3	0.3	0.1	0.0	0.3	0.2	0.5	0.7	1.4	6.2
WEATHER (mean no. of days with...)													
snow or sleet	6.0	5.5	4.3	1.7	0.3	0.0	0.0	0.0	0.0	0.1	0.9	2.9	21.6
snow lying at 0900UTC	2.1	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	4.5
hail	0.7	0.9	2.2	2.4	1.4	0.3	0.1	0.1	0.0	0.2	0.5	0.9	9.5
thunder	0.1	0.1	0.2	0.3	0.6	0.7	0.7	0.6	0.3	0.3	0.1	0.1	4.1
fog	4.6	4.3	3.9	4.6	3.6	3.1	3.6	5.3	4.9	4.7	4.0	3.9	50.8

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