

Lat. 52' 59' 55" N
 Long. 2' 16' 05" W
 Alt. 587' O.D. (179 m)

KEELE UNIVERSITY WEATHER STATION
 CLIMATOLOGICAL DATA FOR 2011

Nat. Grid. Ref. SJ 820447

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL
TEMPERATURE (°C)													
Monthly Means	3.1	5.9	6.7	11.6	11.5	13.3	14.9	15.0	14.5	11.8	8.6	5.2	10.2
Monthly Mean Maxima	5.5	8.4	10.4	16.2	15.5	17.7	19.2	18.9	18.5	15.0	11.1	7.9	13.7
Monthly Mean Minima	0.6	3.3	2.9	7.0	7.4	8.8	10.5	11.1	10.5	8.5	6.1	2.4	6.6
Mean Daily Range	4.9	5.1	7.5	9.2	8.1	8.9	8.7	7.8	8.0	6.5	5.0	5.5	7.1
Monthly Absolute Maxima	11.3	12.3	16.4	21.4	20.3	25.7	23.5	25.7	26.5	26.8	14.1	12.3	26.8
Monthly Absolute Minima	-5.3	-2.0	-2.1	1.9	2.0	4.0	7.0	7.5	6.2	2.4	1.2	-2.1	-5.3
Air Frosts (Days Screen Min 0°C or less)	15	2	6	0	0	0	0	0	0	0	0	6	29
Ground Frost (Days Grass Min 0°C or less)	20	11	17	4	1	0	0	0	0	1	3	16	73
Lowest Grass Min	-10.3	-6.0	-0.5	-2.1	0.0	0.6	3.3	4.4	2.9	-0.7	-2.2	-6.7	-10.3
GROUND TEMPERATURE (°C)													
10cm. Soil Temperature Mean	2.5	4.4	5.0	10.6	12.3	15.3	16.4	15.7	13.5	10.8	8.1	3.8	9.9
30cm. Soil Temperature Mean	3.3	5.0	6.2	10.9	12.6	14.7	16.3	16.2	14.4	12.4	9.6	5.5	10.6
100cm. Soil Temperature Mean	4.6	5.3	6.2	9.1	11.2	12.6	14.3	14.9	14.0	12.9	10.7	7.7	10.3
RELATIVE HUMIDITY													
Mean % (Daytime Mean of 09 hours)	94	98	88	79	79	80	79	81	83	88	95	91	86.3
PRECIPITATION													
Monthly Totals (mm)	61.6	77.0	14.4	2.6	82.0	53.4	58.0	43.6	36.5	55.2	32.4	79.4	596.1
No. of Raindays (with 0.2mm or more)	20	20	9	5	18	19	14	17	14	17	15	3	171
No. of Wetdays (with 1.0mm or more)	12	16	2	1	13	7	9	10	9	11	10	16	116
No. of days with 5.0mm or more	6	4	2	0	5	3	4	4	2	3	2	6	41
Greatest Fall in One Day (mm)	10.4	18.6	7.2	1.0	18.6	21.4	24.6	10.6	8.4	12.6	8.0	15.6	24.6
SUNSHINE													
No. of Hours	51.7	50.2	153.4	218.7	174.9	194.5	186.1	126.2	121.7	97.3	52.4	53.7	1480.8
WIND													
Highest Hourly Velocity (mph)	21	24	18	20	18	14	14	17	21	18	18	22	24
Highest Gust (mph)	41	51	38	37	39	30	26	33	45	40	46	49	51
Mean Wind Speed (mph)	6.4	8.3	6.0	7.1	8.1	6.4	5.8	5.8	6.6	7.4	7.4	8.5	7.0

