



SUMMER 2013

Warm and mostly dry with sunshine above average

Mean air temperatures were above average everywhere ranging from 14.4°C at Malin Head to 16.3°C at Shannon Airport. Carlow (Oak Park) had the warmest summer conditions (compared to normal) with a mean temperature of 16.1°C, +1.2°C above its average and its warmest since 2007 (6 years). A small number of stations in the West Southwest and Midlands reported their warmest summer in 10 to 18 years, while most remaining stations had their warmest since 2006/2007. Overall, all three months predominantly were above average except for some parts of the Northwest and West which had below average temperatures in June and August. July had the warmest conditions (compared to average), with differences of +2.5°C or more in parts and with nine stations reporting heatwave (*5 consecutive days with maximum temperature over 25°C degrees*) conditions from the 7th to the 13th. Many stations reported it as their warmest July on record. All available seasonal highest maximum temperatures were recorded in July with the season's highest maximum (available so far) was 31.0°C recorded at Dooks, Co. Kerry (climate station) on the 19th, its highest July and summer maximum since 2006 (7 years). Fermoy (Moore Park) recorded a highest maximum of 28.9°C on July 10th, its highest for summer since 1989 (24 years). Most other stations across the country reported their summer maxima as their highest in seven to 18 years. Summer lowest minimum temperatures were all recorded in June, with Mountdillon reporting lowest temperature of 2.8°C on June 5th.

Rainfall was below average at all stations except for a few isolated stations in the South and Southwest. The lowest rainfall total and percentage of Long-Term Average (LTA) was at Johnstown Castle, with 130.5 mm and 57% of its LTA, its driest summer since 2000 (13 years). The low summer values at the site were partially attributed to drought conditions (*15 consecutive days or more with 0.2 mm rainfall or less*) experienced at the station between the 4th and 20th of July. The highest summer rainfall total was at Valentia Observatory with 317.2 mm and 103% of its LTA, reporting nearly 50% more than its average in June and its wettest June since 2007 (6 years). The majority of stations had their driest summer in seven years. The highest daily fall of summer (wettest day) from data available so far was 62.5 mm at Ballincurrig (Peafield), Co. Cork on July 24th/25th, its highest summer rainfall since 2005 (8 years).

Sunshine totals were all above average everywhere, with percentage of LTA values ranging from 101% at Valentia Observatory to 120% at Cork Airport. June and July reported sunny conditions everywhere with dull conditions dominating in August. Cork Airport reported the highest summer sunshine hours with 603.1 hours, 265 hours recorded in July, the highest amount of sunshine ever recorded for any given month since the station opened in 1962 (51 years). Knock Airport reported 475.2 hours of sunshine, its sunniest summer in 16 years. The sunniest days this summer were mostly recorded at the beginning of June with Cork Airport measuring the sunniest day (from available data) on June 4th and 7th with 15.8 hours. Belmullet shared the second highest summer daily sunshine amount with Knock Airport with 15.7 hours, Belmullet's highest since the summer of 1995 (18 years).

The maximum sea surface temperature of 20.0°C recorded at the M4 and M5 on July 17th and 26th, respectively, were the highest ever recorded in Irish waters.

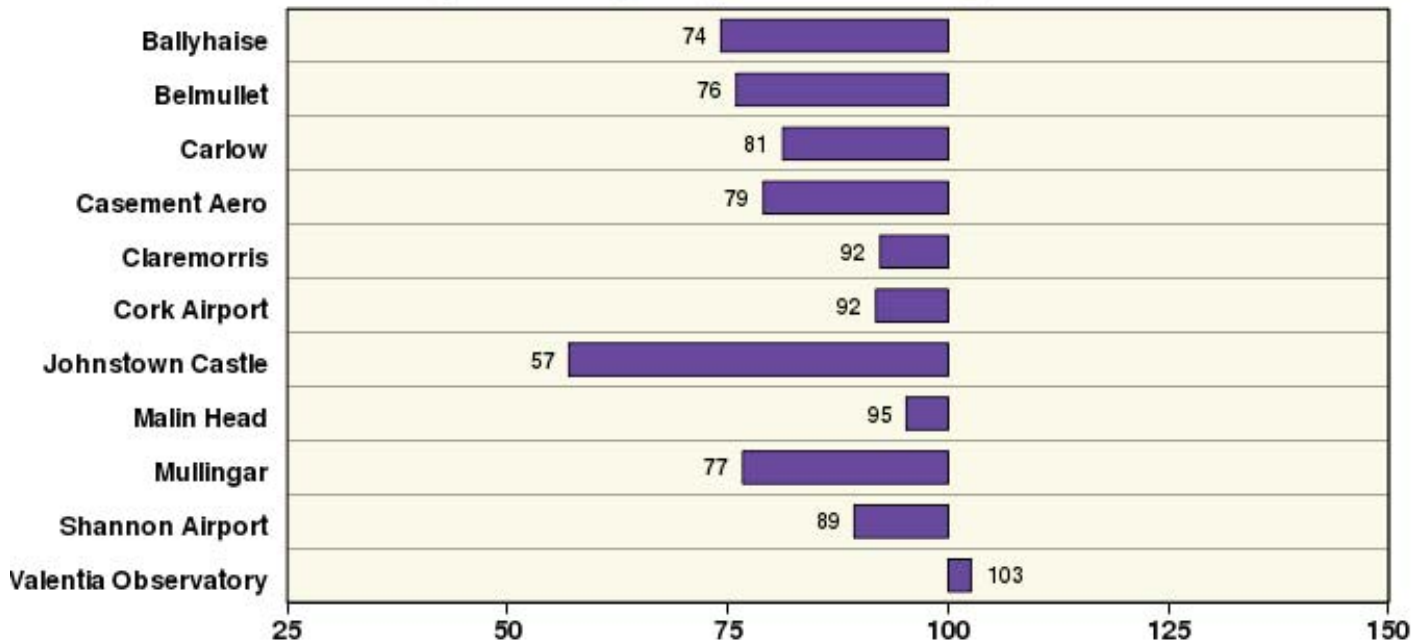
The Poulter Index is a method of rating the summer weather (June to August), using a formula based on mean temperature, rainfall and sunshine for selected stations, i.e. the higher the index, the 'better' the summer weather. This year the index was above average and it is considered to be the best summer since 2006 (7 years).

EXTREME SEASONAL VALUES AT STATIONS

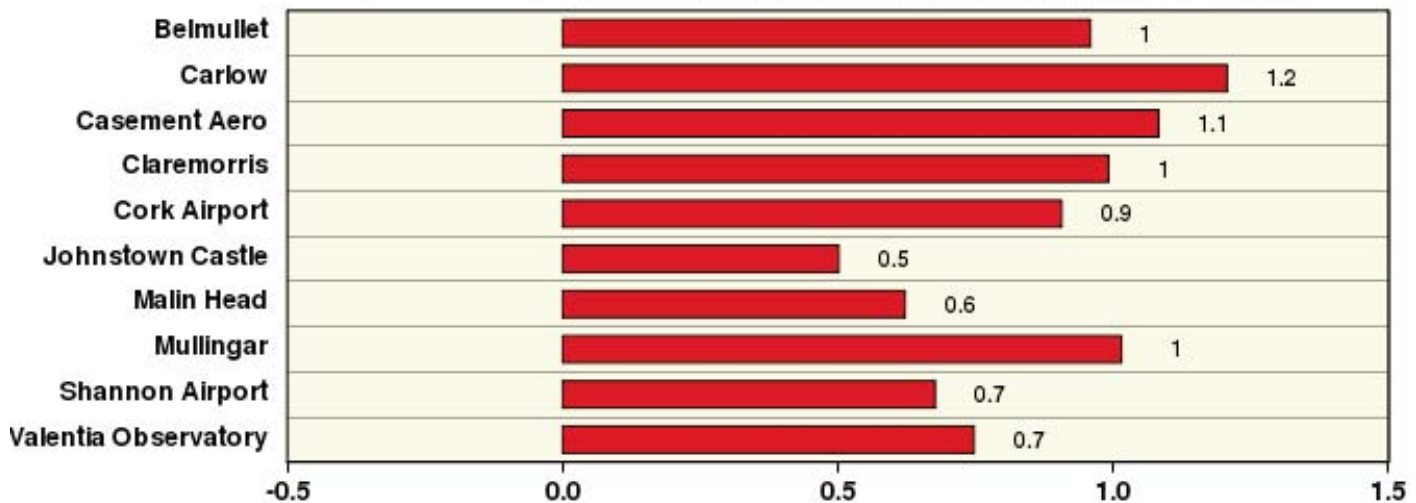
Rainfall	Highest seasonal total: 317.2 mm at Valentia Observatory Lowest seasonal total: 130.5 mm at Johnstown Castle (<i>its driest summer since 2000</i>) Highest daily rainfall*: 62.5 mm at Ballincurrig (Peafield), Co. Cork on July 24th/25th (<i>its highest for summer since 2005</i>)
Temperature	Highest mean seasonal temperature: 16.3°C at Shannon Airport (<i>its warmest summer since 2003</i>) Lowest mean seasonal temperature: 14.4°C at Malin Head (<i>its warmest summer since 2006</i>) Highest temperature*: 31.0°C at Dooks on July 19th (<i>its highest July and summer maximum since 2006</i>) Lowest air temperature :2.8°C at Mountdillon on June 5th Lowest grass minimum temperature: -0.4°C at Mountdillon on June 5th
Sunshine	Highest seasonal total: 603.1 hours at Cork Airport (<i>its sunniest summer since 2006</i>) Lowest seasonal total: 442.5 hours at Valentia Observatory Highest daily sunshine*: 15.8 hours at Cork Airport on June 4th

SUMMER 2013 PERCENTAGE/DIFFERENCE FROM 1981-2010 SEASONAL AVERAGES

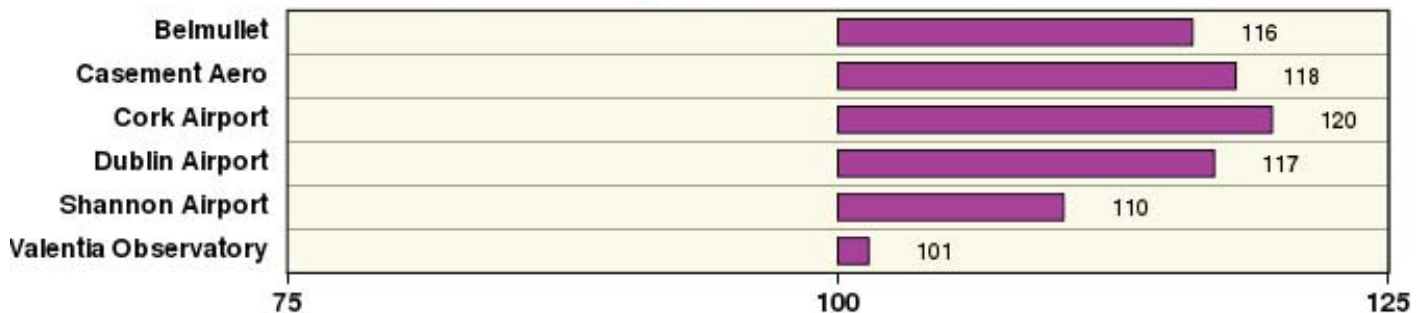
RAINFALL (% OF AVERAGE FOR PERIOD 1981-2010)



TEMPERATURE (°C) (DIFFERENCE FROM AVERAGE FOR PERIOD 1981-2010)



SUNSHINE (% OF AVERAGE FOR PERIOD 1981-2010)



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* From all current available data from rainfall, climate and synoptic stations

This report is based on preliminary data from the weather stations operated by Met Éireann

A detailed summary is available in the **Monthly Weather Bulletin**

For more information, contact Met Éireann at 01-8064200 or e-mail: climate.enquiries@met.ie website: www.met.ie/climate