



Monthly Weather Summary

The Weather of June 2011

Wet and sunny; becoming cool after very warm start

Unsettled weather in June led to almost all stations recording above average rainfall amounts for the time of year, especially in the south. Shannon Airport experienced its wettest June since 1998, while due to thundery downpours in Belmullet on the 21st, the highest daily rainfall for the month of 34.7mm was recorded, its highest at the station for June in 25 years. Mean temperatures this month were lower than normal for June, with temperatures across the country being around 1°C below average. Shannon Airport, Valentia Observatory, Roche's Point, Dublin Airport and Belmullet all reported their coldest June since 1972. Almost all maximum temperatures for June were recorded on the 3rd, during the period of high pressure at the start of the month, while the majority of minimum temperatures were recorded between the 9th and 12th, when the country was affected by cool northwesterlies. The minimum air temperature of 0.5°C at Mullingar on the 10th was the lowest recorded for June in 20 years at the station, while both Valentia Observatory and Claremorris had their lowest minimum temperatures recorded since 1991, with values of 4.6°C and 1.0°C respectively. Grass minimum temperatures recorded in the Dublin area on the 10th were the lowest for June in over 40 years. Despite below average temperatures, sunshine for the month was above normal everywhere, but it was still the dullest June since 2005 at Knock Airport with 134 hours reported. The highest daily sunshine was at Casement Aerodrome on the 3rd with 15.9 hours, while the value of 13.5 hours at Cork Airport on the 3rd was its lowest June maximum daily sunshine since 2003.

1st to 4th: A high pressure system moved northwards over Ireland to give a spell of dry, warm and sunny weather with large amounts of sunshine recorded on the 3rd. Winds were light and variable in direction.

5th to 14th: A slow-moving Atlantic depression moved southwards across the country, bringing much lower temperatures and rain or showers each day. Moderate to fresh westerlies or northwesterlies were recorded as the depression became centred over the country on the 7th and 8th, with gale gusts recorded along southern and western coasts. Associated frontal systems moving across the country also brought thunderstorms on the 7th and 10th.

15th to 24th: Unsettled weather continued due to a series of Atlantic depressions close to or over Ireland. Associated frontal systems brought more rain and thundery showers with highest accumulations on the 17th, 21st and 24th. Light to moderate winds blew mainly from the southwest, bringing warmer air to the country with gale gusts in some south coast locations.

25th to 30th: A large Atlantic depression situated off the northwest coast brought light rain to the north and northwest of the country at the start of the period. Pressure then rose to the south of the country, giving a period of relatively dry and sunny weather with showers in some areas. Winds were predominantly southwesterly, light to moderate, with fog reported by some coastal stations at the end of the period.

Wind and elements: Mean windspeeds for the month of between 6 and 14 knots (11 and 26 km/h) were above normal generally. Western and southern stations recorded gale gusts at times during the month, mostly during the period 7th and 8th. The highest gust of the month was 41 knots (76 km/h) recorded at Roche's Point on the 17th. Thunderstorms were recorded on the 7th, 10th, 16th, 19th and 21st and hail on the 8th, 9th, 16th and 29th. Most ground frost was reported at inland stations and along eastern coasts during the cooler period of the 5th to the 14th. Fog was most widespread on the 2nd and 3rd in the west and along southern and western coasts in the latter part of the month.

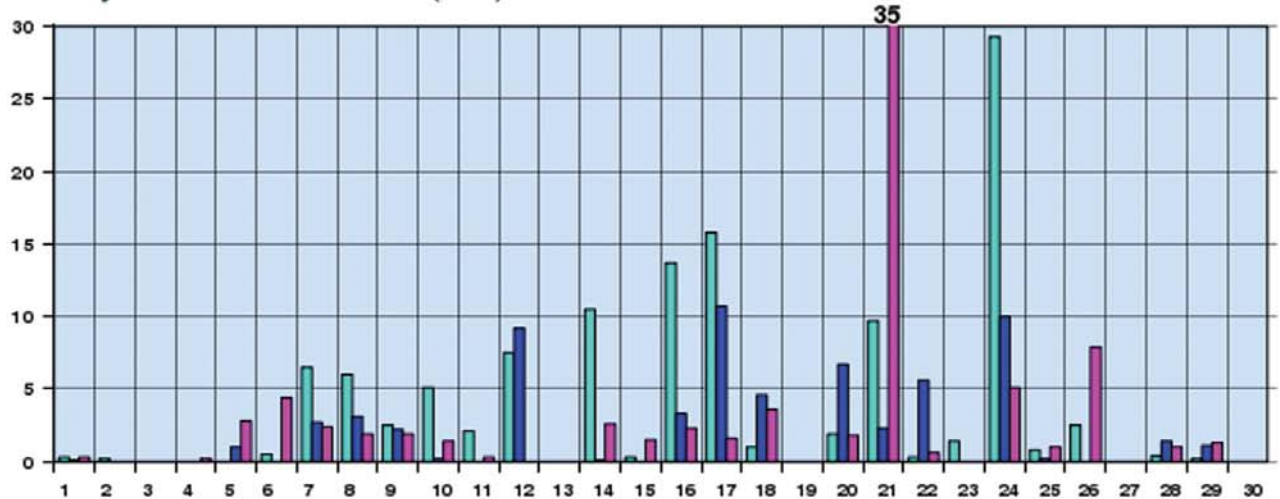
Extreme values

Rainfall	Highest total: 119mm at Valentia Observatory Lowest total: 62mm at Claremorris Highest daily rainfall: 34.7mm at Belmullet on 21st (<i>highest daily fall for June since 1986</i>)
Temperature	Highest mean monthly temperature: 12.8°C at Phoenix Park and Shannon Airport (<i>lowest mean monthly temperature for Phoenix Park since 1991 and Shannon Airport since 1972</i>) Lowest mean monthly temperature: 10.8°C at Knock Airport (<i>lowest since June 1996</i>) Highest temperature: 25.5°C at Carlow(Oak Park) on 3rd Lowest air temperature: 0.5°C at Mullingar on 10th (<i>lowest minimum temperature for June since 1991</i>) Lowest grass minimum temperature: -2.6°C at Carlow(Oak Park) on 10th
Sunshine	Highest monthly total: 198 hours at Cork Airport Lowest monthly total: 134 hours at Knock Airport (<i>dullest June since 2005</i>) Highest daily sunshine: 15.9 hours at Casement Aerodrome on 3rd

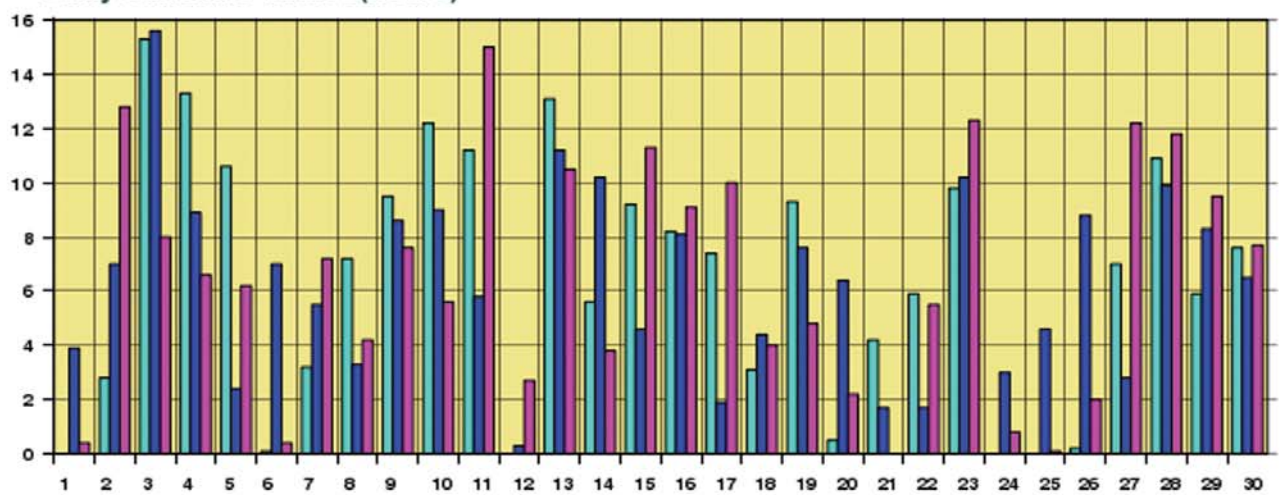
Daily values at selected synoptic stations

Based on data from 1-30 June 2011

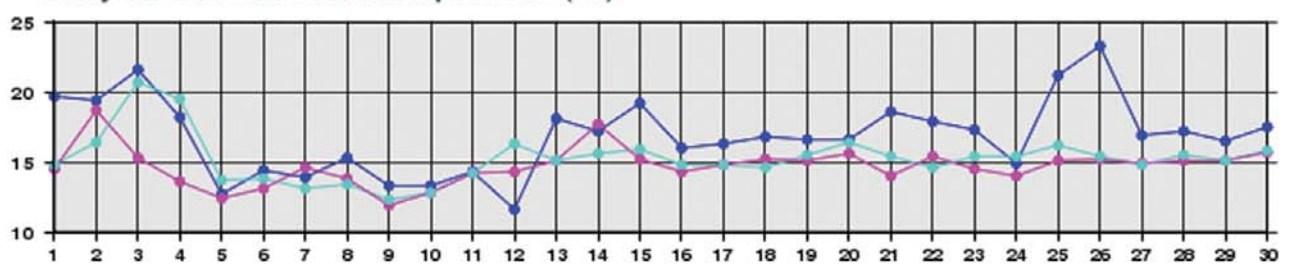
Daily 00-24h rainfall values(mm)



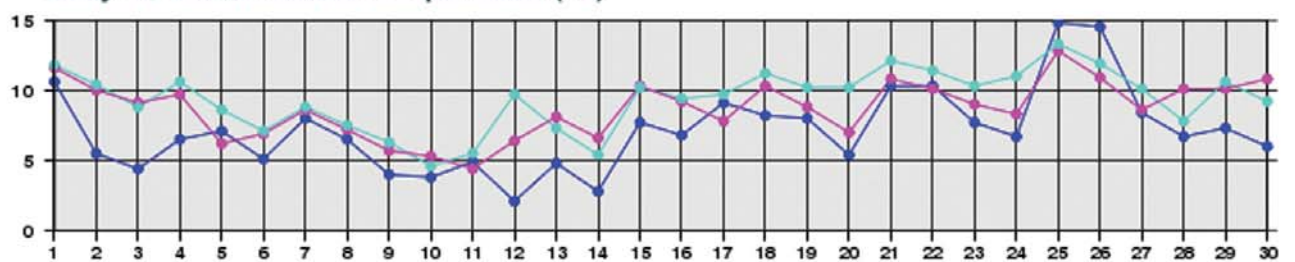
Daily sunshine values(hours)



Daily 00-24h maximum temperature (°C)



Daily 00-24h minimum temperature (°C)

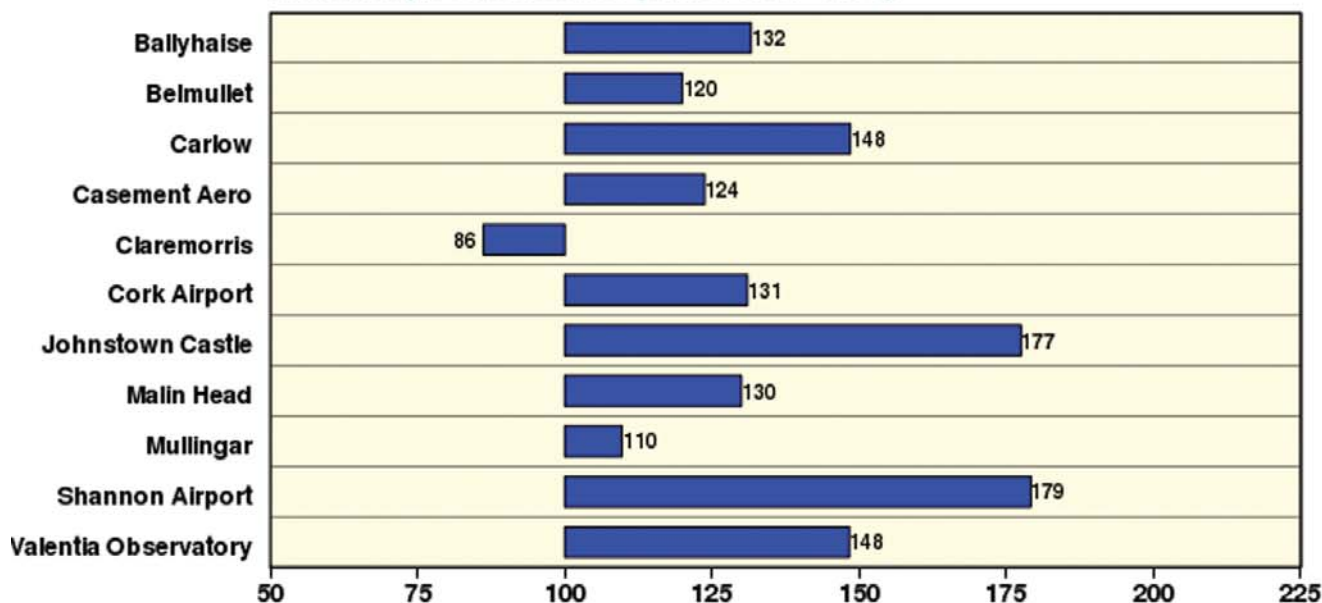


- Valentia Observatory - Dublin Airport - Belmullet

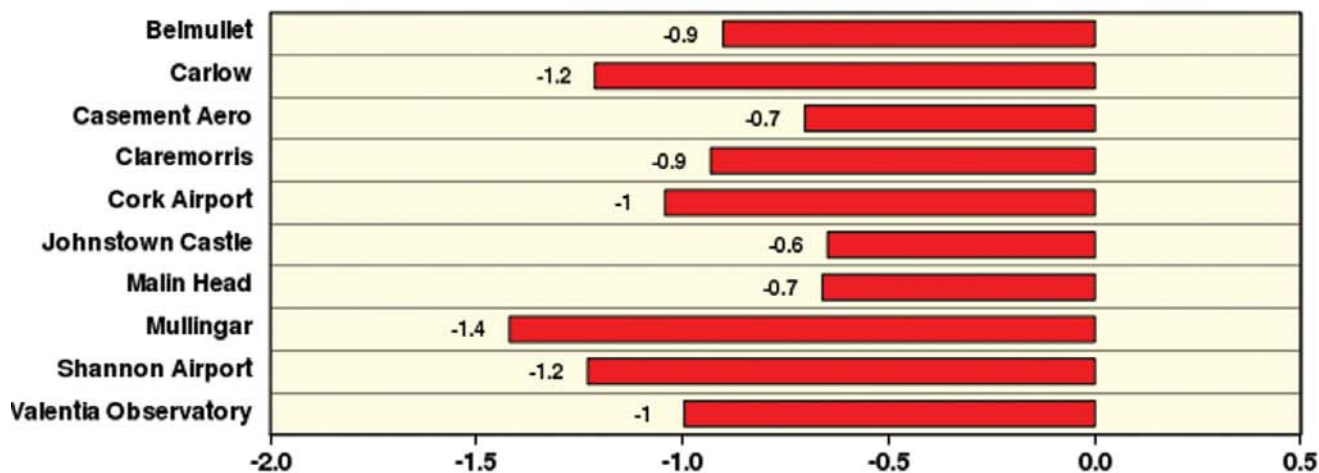
June 2011 Percentage/Difference from 1961-1990 monthly normals

Based on Data from 1- 30 June 2011

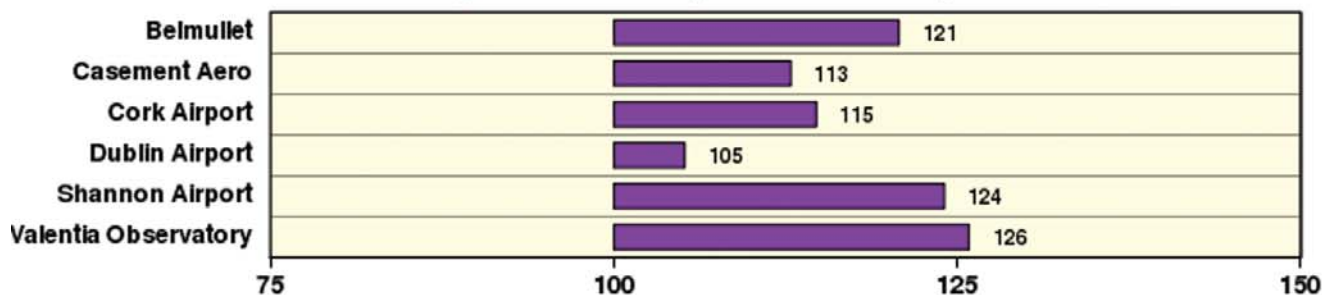
Rainfall (% of normal for period 1961-1990)



Temperature (°C) (difference from normal for period 1961-1990)



Sunshine (% of normal for period 1961-1990)



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 This report is based on preliminary data from the synoptic 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