



August 2025

Very warm. Drier and sunnier in the East, wetter and cloudier in the West

August 2025 was very warm everywhere with temperatures well above average. It was wet in parts of the West but dry elsewhere, especially in the East and South as high pressure dominated through most of the month. During the first week, high pressure to the south and low pressure to the north brought a mostly westerly airflow. This setup allowed several weak weather fronts to cross the country from the west bringing scattered outbreaks of mostly light rain or showers. On Monday the 4th, storm Floris, named by the UK Met Office, tracked to the north of Ireland, bringing the strongest winds of the month to the Northwest. The second week saw high pressure building north over Ireland and shifting to the east, drawing a very warm airmass up from the south. This led to the warmest period of the month with several very warm days. It stayed mostly dry in the East while the West saw some showers at times. The third week saw high pressure building to the north keeping it mostly dry nationwide. However, a northeast airflow brought more cloud and cooler temperatures towards the end of the week. At the start of the fourth week, a warm front moved in from the southwest, introducing a warmer airmass with a lot of cloud and patchy rain or drizzle at times. On Monday the 25th, the weather pattern shifted dramatically as Ex-Hurricane Erin, named by the National Hurricane Center, moved into the mid-latitudes while transitioning into a mid-latitude storm, and stimulating the North Atlantic jet stream. Erin's remnants stalled between Ireland and Iceland, steering several weather fronts, showery troughs and other low pressure systems across the country from the west in a strong westerly airflow, with the heaviest rainfall in the West.

Rainfall: Below average nearly everywhere, driest in the South and East

Nearly all rainfall totals were below their 1991-2020 Long-Term Average (LTA) for the month. Percentage of monthly rainfall values ranged from 37% (the lowest monthly rainfall total of 30.5 mm) at Moore Park, Co Cork to 141% (147.0 mm) at Athenry, Co Galway. The highest monthly rainfall total was 148.2 mm (111% of its LTA) observed at Newport, Co Mayo. The highest daily rainfall total was 30.1 mm at Athenry, Co Galway on Thursday 28th. The number of rain days⁰ ranged from 9 days at Phoenix Park, Co Dublin to 21 days at Newport, Co Mayo. The number of wet days¹ ranged from 6 days at both Phoenix Park, Co Dublin and Moore Park, Co Cork to 18 days at Newport, Co Mayo. The number of very wet days³ ranged from zero days at Roche's Point, Co Cork to 6 days at both Newport, Co Mayo and Athenry, Co Galway. Six stations, mostly in the East and South, had dry spells⁶ between August 5th and 24th lasting between 15 and 20 days. Two of those stations, Phoenix Park (*lasting 18 days*) and Dublin Airport, Co Dublin (*lasting 15 days*) also had absolute droughts⁴ between August 5th and 22nd. Dublin Airport also had its driest August since 2005.

Temperature: Significantly above average everywhere, with record mean temperatures in places

All mean air temperatures across the country were above their LTA for the month. Deviations from mean air temperature ranged from +1.2 °C at several stations including Newport, Co Mayo (16.7 °C), Johnstown Castle, Co Wexford (16.6 °C), Ballyhaise, Co Cavan (16.0 °C) and Claremorris, Co Mayo (15.8 °C) to +1.7 °C at Valentia Observatory, Co Kerry (17.1 °C), Sherkin Island, Co Cork (17.1 °C), Moore park, Co Cork (16.9 °C), Gurteen, Co Tipperary (16.5 °C) and Knock Airport, Co Mayo (15.5 °C). Mean temperatures ranged from 15.5 °C (1.7 °C above its LTA) at Knock Airport, Co Mayo to 17.2 °C (1.3 °C above its LTA) at Shannon Airport, Co Clare. The month's lowest temperatures were recorded on Sunday 10th with the lowest air minimum reported at Mullingar, Co Westmeath with a temperature of 6.5 °C and the lowest grass minimum reported at Phoenix Park, Co Dublin with 1.6 °C. The highest maximum was reported on Tuesday 12th at Shannon Airport, Co Clare with a temperature of 28.1 °C. There was no air or ground frost reported this month. Six stations had their warmest August on record (*record lengths between 14 and 29 years*). Seven longer standing stations had their warmest August since 1995. Five stations had their warmest August since 1997 and four stations had their warmest August since 2003. Nine stations had their highest monthly minimum for August on record (*record lengths 10 to 85 years*) including long standing stations Valentia Obs., Co Kerry (11.2 °C) and Malin Head, Co Donegal (11.8 °C). Two stations had their highest mean maximum temperature for August on record (lengths 14 and 21 years) and six stations had their highest mean minimum for August on record (lengths 14 to 85 years) including Valentia Obs., Co Kerry.

Sunshine: Highest in the East, lowest in the West

Sunshine values were variable across the country. Percentage of monthly sunshine values ranged from 101% (monthly sunshine total of 145.0 hours) at Shannon Airport, Co Clare to 123 % (the month's highest monthly sunshine total of 190.1 hours) at Casement Aerodrome, Co Dublin. Monthly sunshine totals were lowest at Knock Airport, Co Mayo with 87.3 hours (no LTA comparison*). The highest number of daily sunshine hours recorded this month was 13.2 hours at Malin Head, Co Donegal on Sunday 17th. The number of dull days² ranged from 1 day at Johnstown Castle, Co Wexford to 9 days at Valentia Observatory, Co Kerry.

Wind: Strong gales reported during storm Floris

Monthly mean wind speeds ranged from 5.4 knots (10.0 km/h) at Mount Dillon, Co Roscommon to 13.8 knots (25.6 km/h) at Mace Head, Co Galway. On Monday 4th, during Storm Floris, gales were reported at five stations, with up to strong gale winds reported at Malin Head, Co Donegal. Gales were also reported on Saturday 30th at Mace Head, Co Galway and Sunday 31st at Mace Head and Belmullet, Co Mayo. The number of days with gales ranged from zero days at most stations to 3 days at Mace Head, Co Galway. Strong gales were reported at one station, Malin Head, Co Donegal on Monday 4th. Both the month's highest gust and highest 10-minute mean wind speed were reported at Malin Head, Co Donegal on Monday 4th. The highest gust was 56 knots (104 km/h) while the month's highest 10-minute mean wind speed was 43 knots (80 km/h).

EXTREME VALUES AT SYNOPTIC STATIONS

Rainfall

Highest monthly total: 148.8 mm at Newport, Co Mayo (111% of its LTA)
Lowest monthly total: 30.5 mm at Moore Park, Co Cork (37% of its LTA)
Highest daily rainfall: 30.1 mm at Athenry, Co Galway (29% of its monthly LTA) on Thu 28th

Temperature

Highest mean monthly temperature: 17.3°C at Shannon Airport, Co Clare (1.3°C above its LTA) (*its warmest August since 2003*)
Lowest mean monthly temperature: 15.5°C at Knock Airport, Co Mayo (1.7°C above its LTA) (*its warmest August on record (length 29 years)*)
Highest air temperature: 28.1°C at Shannon Airport, Co Clare (8.7°C above its LTA) on Tue 12th
Lowest air temperature: 6.5°C at Mullingar, Co Westmeath (3.9°C below its LTA) on Sun 10th
Lowest grass minimum: 1.6°C at Phoenix Park, Co Dublin on Sun 10th

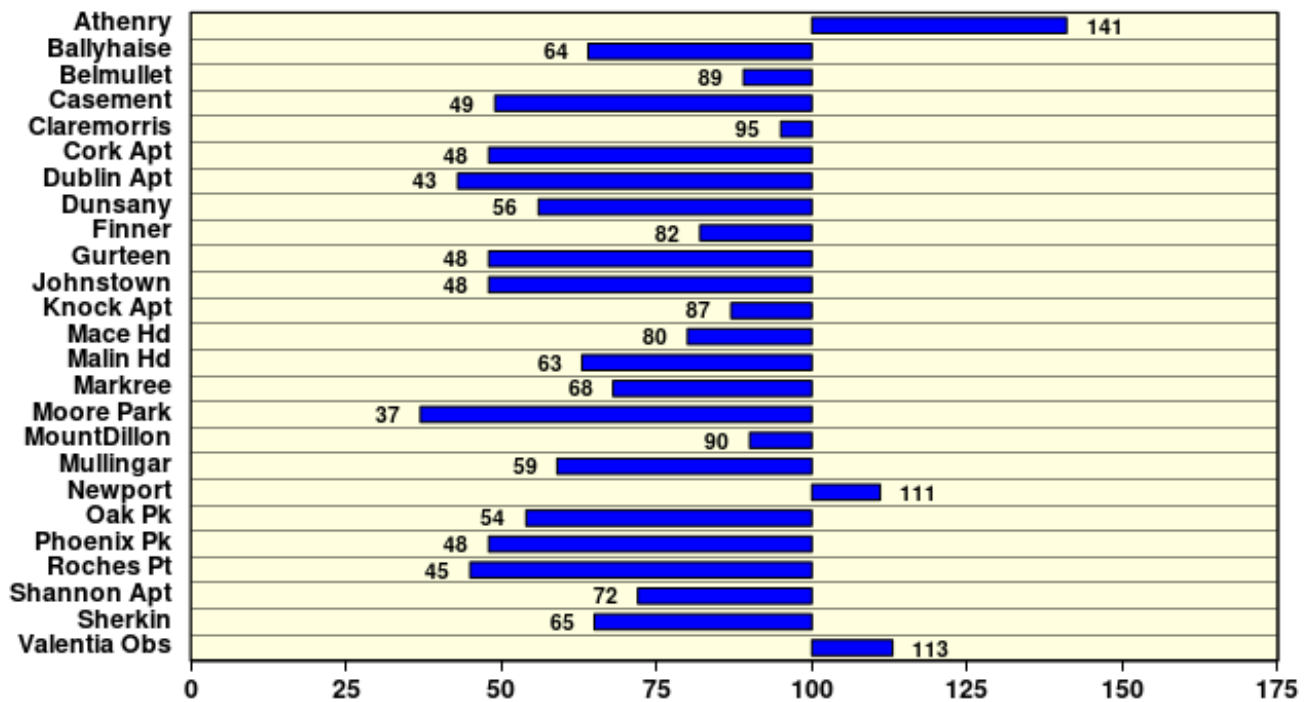
Sunshine

Highest monthly total: 190.1 hours (daily mean 6.13 hrs/day) at Casement Aerodrome, Co Dublin
Lowest monthly total: 87.3 hours (daily mean 2.82 hrs/day) at Knock Airport, Co Mayo
Highest daily sunshine: 13.2 hours at Malin Head, Co Donegal on Sun 17th

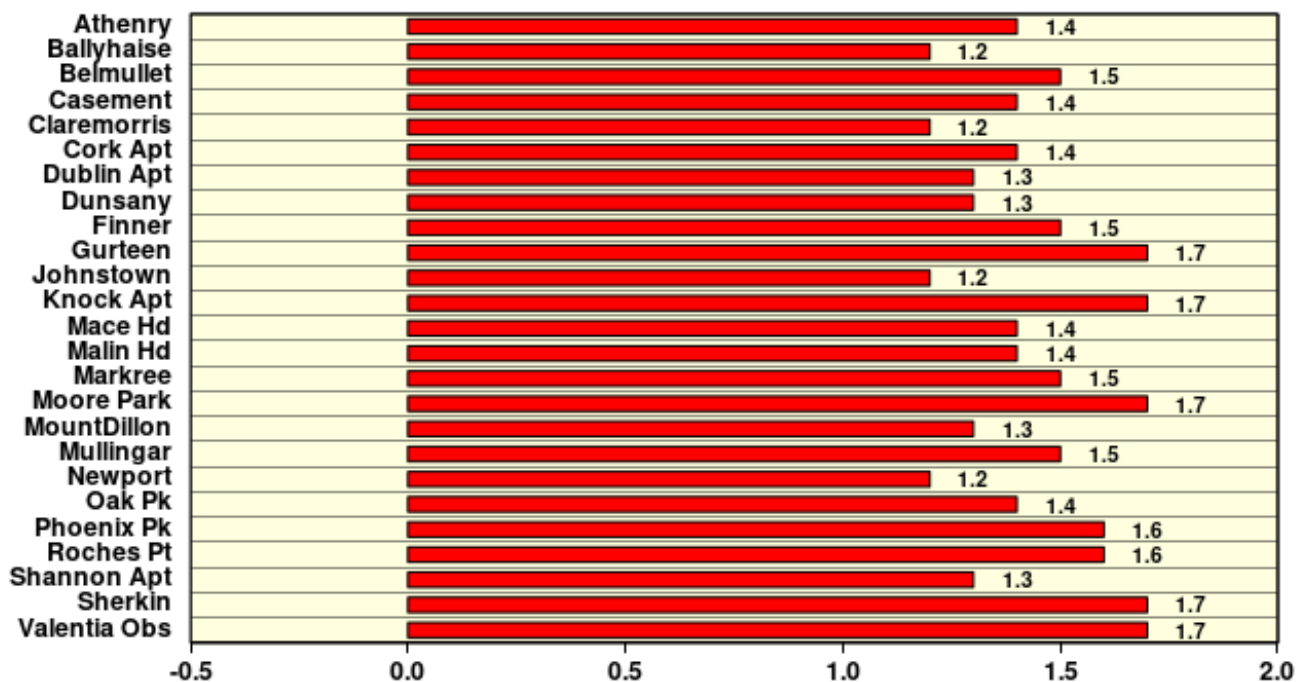
August 2025

Based on Data from 1-31 August 2025 on whole month basis

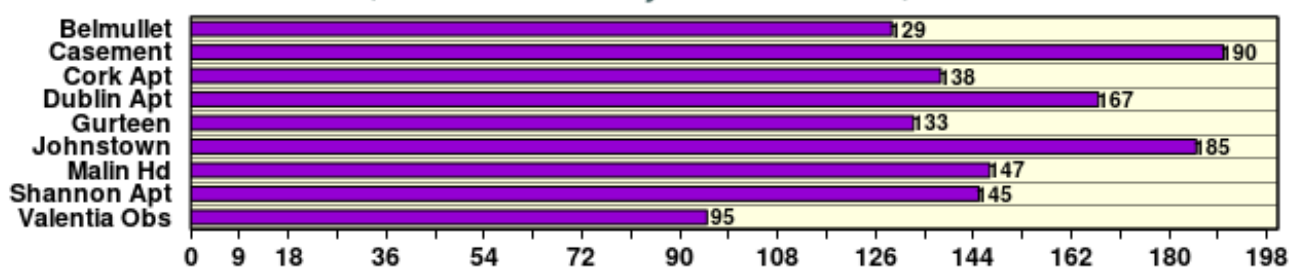
Rainfall (% of average for period 1991-2020) on whole month basis



Temperature (°C) (difference from average for period 1991-2020)



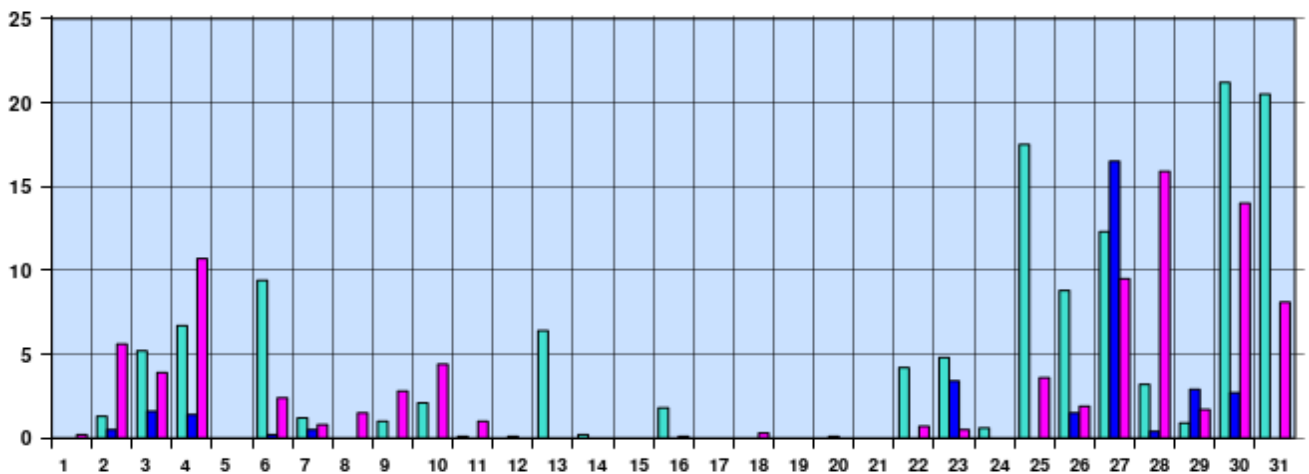
Sunshine (Number of monthly sunshine hours)



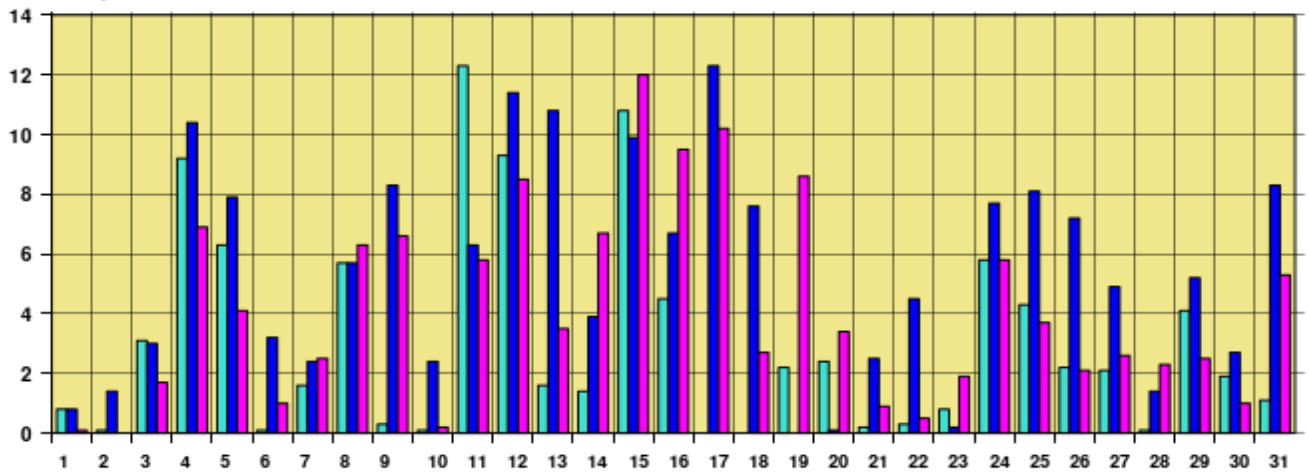
August 2025 Daily Values at Selected Synoptic Stations

Based on data from 1-31 August 2025 on a pro rata basis

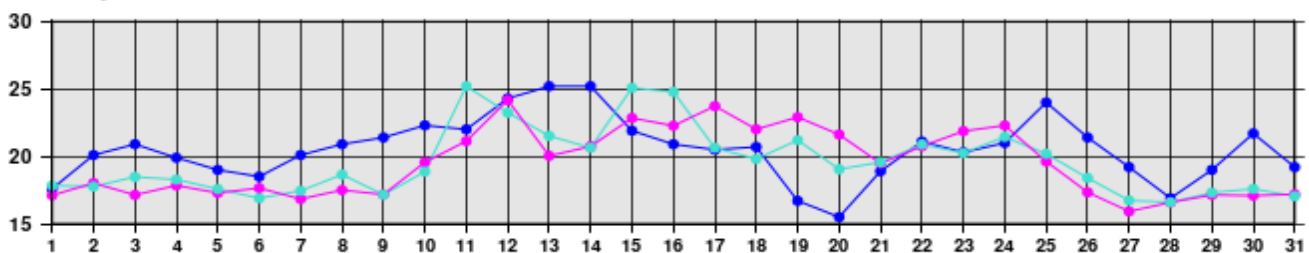
Daily 00-24h rainfall values (mm)



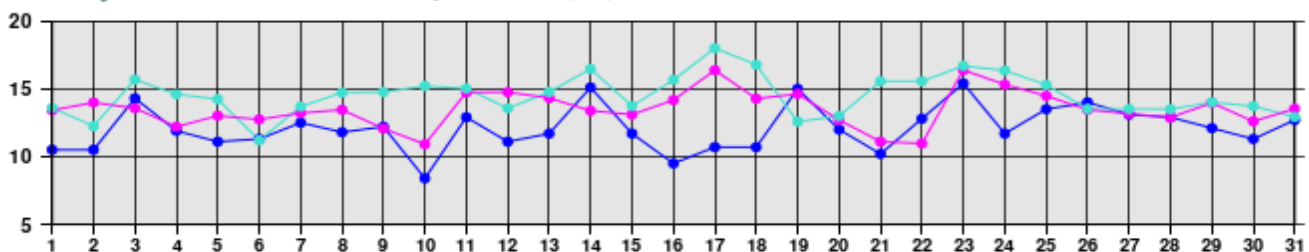
Daily sunshine values (hours)



Daily 00-24h maximum temperature (°C)



Daily 00-24h minimum temperature (°C)



- Valentia Observatory - Dublin Airport - Belmullet

Issued by Met Éireann on Tuesday 2nd September 2025. This report is based on available preliminary data from 25 principal weather stations operated by Met Éireann. Synoptic station data is daily, which is midnight to midnight UTC. Long-Term Averages (LTAs) and "average" refer to the period 1991-2020. ¹ A rain day is a day with 0.2 mm or more of rainfall. ² A wet day is a day with 1.0 mm or more of rainfall. ³ A dull day is a day with less than 0.5 hours of sunshine. ⁴ A very wet day is a day with 10.0 mm or more of rainfall. ⁵ An absolute drought is a period of 15 or more consecutive days to none of which is credited 0.2 mm or more of precipitation. ⁶ A partial drought is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed 0.2 mm. ⁷ A dry spell is a period of 15 or more consecutive days to none of which is credited 1.0 mm or more of precipitation (i.e. daily tot < 1.0 mm). ⁸ A heatwave occurs where there are 5 consecutive days or more with maximum temperature over 25°C (that is, a daily maximum screen air temperature > 25°C). ⁹ An icing day is when the daily maximum air temperature stays below 0 °C (measured from 09-09 UTC or 00-00 UTC). *Sunshine data is from the Autosol Network. LTAs for these sites are currently not used for comparison purposes. For more information, contact Met Éireann at 01-8064200 or e-mail: enq@met.ie