Monthly mean temperatures were above Long-Term Average (LTA) in most parts of the North, West and East, with coldest conditions compared to LTA in parts of the South and Southwest. The highest mean monthly temperature was 15.0°C at Newport, Co. Mayo with deviations from average ranging from -0.7°C at Sherkin Island, Co Cork to +1.1°C at Elphin Co. Roscommon. Many stations recorded their highest maxima between the 7th and 9th, with the month’s highest maximum of 26.8°C recorded at Oughterard (Ardnasillagh) Co.
Galway on the 8th. The majority of lowest air minimum temperatures were recorded on the 5th, 8th and 15th, with the month’s lowest temperature of 2.8°C recorded at Mountdillion, Co. Roscommon on the 5th. The majority of stations reported lower minima in June 2012 and 2011. Rainfall was below average except for parts of the North and South. Percentage of LTA values ranged from 28% at Inishbofin, Co. Galway to 183% at Derryhenny Co. Donegal. The wettest days of the month were mainly on the 10th, 12th, 14th and 16th with Waterville, Co. Kerry recording the greatest daily fall of the month with 72.3 mm on the 10th, its wettest June day since 2003 (10 years). Sunshine data was above average almost everywhere, with Belmullet, Co. Mayo and Ashford (Cronykeery), Co. Wicklow reporting the highest percentage of LTA with 127% at both stations. Ashford (Cronykeery), Co. Wicklow reported the highest amount of sunshine hours, with 229.8 and also reported six consecutive days with over 14.1 hours of sunshine from the 4th to the 9th. The sunniest days of the month were mainly on the 7th, 8th and 9th with the month’s highest daily sunshine recorded at Ballyshannon (Cathleen’s Fall), Co. Donegal on both the 7th and 8th with 16.0 hours.

**1st to 9th:** Unsettled weather at the start of the month with showers, isolated and heavy, a few with thunder, some rain and drizzle also. Mainly dry and warm thereafter, with some fog and mist in places. Cloudy interludes, but mainly clear, sunny skies, leading to low night-time temperatures and ground frost in Midlands and eastern areas.

**10th to 17th:** Wet and slightly cooler conditions across the country as frontal activity brought bands of rain and showers to all places. Large rainfall accumulations, with thunderstorms in places. Mainly dull with a small number of areas having extended periods of sunshine. Gusts greater than 34 knots recorded in coastal counties.

**18th to 19th:** Brief return to dry, warm, sunny conditions with little or no rainfall.

**20th to 30th:** More unsettled weather with bands of rain and drizzle with lower temperatures, becoming warmer and drier by the end of the month. A little ground frost in places. Good periods of sunshine, with a couple of dull days in places.

**Wind and Elements:** Mean windspeeds for the month were between five knots (9km/h) at Ballyhaise and 12 knots (22km/h) at Mace Head, Sherkin Island and Malin Head. Monthly wind speeds in parts of the Southwest, South and East were the highest in five to 11 years. No gale force winds were recorded, with the months highest 10-minute wind speed of 33 knots (61 km/h) recorded at both Malin Head and Mace Head on the 15th and 22nd, respectively. Sherkin Island, Malin Head and Belmullet reported five days with gusts greater than 34 knots. The month’s highest gust was 43 knots (80 km/h) at Newport on the 22nd. Numerous days recorded lightning activity, with the most severe activity recorded on the 15th over the Dublin area.
### Wind Speeds

<table>
<thead>
<tr>
<th>COUNTY / STATION</th>
<th>WIND (knots)</th>
<th>ELEMENTS (no. of days)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CO. CARLOW</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oak Park</td>
<td>6.2</td>
<td>0 0 0</td>
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<tr>
<td><strong>CO. CAVAN</strong></td>
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<td></td>
</tr>
<tr>
<td>Ballyhaise</td>
<td>5.3</td>
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<tr>
<td><strong>CO. CLARE</strong></td>
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<td></td>
</tr>
<tr>
<td>Shannon Airport</td>
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<tr>
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<td>Roché’s Point</td>
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<td>0 3 22 0 0 0 4</td>
</tr>
<tr>
<td>Cork Airport</td>
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<td>0 3 9 0 0 0 4</td>
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<tr>
<td><strong>CO. DONEGAL</strong></td>
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</tr>
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<td>Malin Head</td>
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<td><strong>CO. DUBLIN</strong></td>
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<tr>
<td>Dublin Airport</td>
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<td><strong>CO. MEATH</strong></td>
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<tr>
<td>Dunsany (Grange)</td>
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<td><strong>CO. ROSCOMMON</strong></td>
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<td>Middletown</td>
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<td><strong>CO. WESTMEATH</strong></td>
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<td>Mullingar</td>
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<td><strong>CO. WEXFORD</strong></td>
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<tr>
<td>Johnstown Castle</td>
<td>8.3</td>
<td>0 2 8</td>
</tr>
</tbody>
</table>

### Wind Directions

**CARLOW (OAK PARK)**

- **N**:
  - 60% (6 knots)
  - 30% (9 knots)
  - 10% (12 knots)

- **E**:
  - 20% (6 knots)

- **S**:
  - 10% (6 knots)

- **W**:
  - 5% (9 knots)

**BELMULLET**

- **N**:
  - 15% (6 knots)

- **E**:
  - 10% (6 knots)

- **S**:
  - 20% (6 knots)

- **W**:
  - 5% (6 knots)

- **Calm** (2.6%)
Upper Atmosphere wind and temperature readings are made at Valentia Observatory twice a day by a radiosonde (a balloon with instruments attached). Shown below are daily average windspeeds and temperatures at defined pressure levels, 850, 700, 500 and 300 hPa, corresponding approximately to heights of 1,500, 3,000, 6,000 and 10,000 metres. Monthly windroses are also shown for each pressure level.
Acid rain occurs when pollutants combine with moisture in the air to form sulphuric or nitric acid. pH is the simplest way of measuring the acidity of precipitation. Usually pH of 7.00 is considered neutral but this is not the case in rainfall samples. Pure water in the atmosphere has an equilibrium pH value of 5.65 at 20°C owing to carbon dioxide in the air dissolving to form carbonic acid. Any value below pH 5.65 is considered acid while any value above is considered alkaline.

Sulphur dioxide and sulphate in air contribute to the formation of sulphuric acid; nitrate in air contributes to the formation of nitric acid.

Conductivity measures the total ion activity in the rainfall, i.e. the higher the conductivity the greater the number of ions present.
### 10-Day Values for Selected Agrometeorological Stations

<table>
<thead>
<tr>
<th>STATION / COUNTY</th>
<th>TOTAL (mm)</th>
<th>1ST-10TH</th>
<th>11TH-20TH</th>
<th>21ST-END</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td>CO. CORK (OAK PARK)</td>
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<td>235.59</td>
<td>174.68</td>
<td>163.68</td>
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<tr>
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<tr>
<td>BALLYHaise</td>
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<td>168.70</td>
<td>192.45</td>
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<td>219.98</td>
<td>195.47</td>
<td>177.95</td>
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<td>CO. MAYO</td>
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<td>168.39</td>
<td>160.31</td>
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<tr>
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<td>226.91</td>
<td>161.70</td>
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<tr>
<td>NEWPORT (FURNACE)</td>
<td>78</td>
<td>254.99</td>
<td>187.37</td>
<td>186.60</td>
<td>628.96</td>
</tr>
</tbody>
</table>

### Global Solar Radiation (MJ/m²)

- **CO. CORK (OAK PARK)**: 90 MJ/m²
- **BALLINABONY**: 82 MJ/m²
- **BALLYHaise**: 81 MJ/m²
- **CO. CORK**: 84 MJ/m²
- **MALIN HEAD**: 76 MJ/m²
- **DUBLIN AIRPORT**: 86 MJ/m²
- **BELMULLET**: 70 MJ/m²
- **CO. MAYO**: 81 MJ/m²
- **DURRAGH (OAK COLLEGE)**: 86 MJ/m²
- **NEWPORT (FURNACE)**: 78 MJ/m²

### Monthly Evaporation (mm)

- **CO. CORK (OAK PARK)**: 90 mm
- **BALLINABONY**: 82 mm
- **BALLYHaise**: 81 mm
- **CO. CORK**: 84 mm
- **MALIN HEAD**: 76 mm
- **DUBLIN AIRPORT**: 86 mm
- **BELMULLET**: 70 mm
- **CO. MAYO**: 81 mm
- **DURRAGH (OAK COLLEGE)**: 86 mm
- **NEWPORT (FURNACE)**: 78 mm

**GLOBAL SOLAR RADIATION VALUES FOR STATIONS MARKED * ARE PROFESSIONAL AND RAINFALL DATA MARKED ** INDICATES ESTIMATED DATA USED IN CALCULATION**
Saturday 1st: Dry overnight, showers spread from the Northwest during the morning, a few heavy through Ulster and north Leinster. The southern half of the country remained dry. Showers died out by late afternoon. Winds were light, southwesterly.

Rainfall: Nil at numerous locations to 6.2 mm at Pettigo (Lough Derg)
Temperature: Lowest max.13.2°C at Finne, highest max. 18.3°C at Cahare (Kilmichael Hse.)
Lowest min. 3.8°C at Casement, highest min. 10.1°C at Duneggan (Carrriglea), Clonroche (Knotown)
Sunshine: 1.5 hours at Shannon Apts. to 8.7 hours at Sherkin Island

Sunday 2nd: Rain and drizzle along the North coast overnight, otherwise dry. Drizzle along Atlantic coasts through the morning, with some good sunshine in the South. The afternoon was mainly dry with sunny spells, but again some drizzle in parts of the West. The evening was generally dry, with just the odd shower in the South. Winds were light, variable.

Rainfall: Nil at numerous locations to 7.9 mm at Newport (Furnace)
Temperature: Lowest max. 13.4°C at Cloosh, highest max. 20.1°C at Aherlow (Mackenough) Lowest min. 3.8°C at Durrrow, highest min. 11.7°C at Newport (Furnace)
Sunshine: 0.1 hours at Newport (Furnace) to 7.6 hours at Cork Apts

Monday 3rd: Dry overnight with some fog in western parts though. The day was mostly dry with light showers over north Leinster and Ulster. Good sunshine all day but a little more in the way of cloud in western parts. It became warm in the afternoon in most areas. Winds were light, variable.

Rainfall: Nil at numerous locations to 3.6 mm at Castleblaney
Temperature: Lowest max.15.0°C at Malin Head, highest max. 21.2°C at Adare Manor
Lowest min. 7.2°C at Oughterard (Ardsilaghy) 7.2°C at Mount Russell, highest min. 13.3°C at Dublin (Glensnevin)
Sunshine: 0.2 hours at Newport (Furnace), Ardfert (Liscahane), Stradbally to 10.3 hours at Ashford (Cronkeyree)

Tuesday 4th: Starting cloudy in the North and Northwest, with some mist patches in places too. Cloudy in the North for a time, by midday all areas had long sunny spells. Dry throughout the day, with a lovely sunny evening. Winds were light, easterly.

Rainfall: Nil at numerous locations to 4.2 mm at Derryhenny Dooychar
Temperature: Lowest max.16.0°C at Cahare (Kilmichael Hse.), highest max. 24.0°C at Newport (Furnace), Eolphin Lowest min. 4.1°C at Thomastown (Mt. Juliet), highest min. 14.1°C at Newport (Furnace)
Sunshine: 5.8 hours at Ballyshannon (Cathleen’s Fall) to 15.8 hours at Cork Apts

Wednesday 5th: Clear spells everywhere overnight but cool, with a touch of frost in parts of the Midlands. Cooler in the East and particularly the South, the day was sunny though a little cloudy at times in the Southwest. Showers during the late afternoon and evening, with rain in parts of the West and Northwest. Winds were light, easterly.

Rainfall: Nil at numerous locations to 4.1 mm at Pintown (Kingsroo)
Temperature: Lowest max.15.0°C at Johnstown II, highest max. 23.9°C at Oughterard (Ardsilaghy) Lowest min. 2.8°C at Mt. Dillon, highest min. 12.2°C at Newport (Furnace)
Sunshine: 8.4 hours at Newport (Furnace) to 15.2 hours at Casement

Thursday 6th: Cloud over the western half of the country and Ulster for much of the morning. Scattered showers developed in Ulster during the afternoon with some localised heavy bursts. Dry elsewhere, with prolonged sunny spells in the Midlands, East and South. Isolated showers in the South and Ulster and died out towards nightfall. Winds were light, easterly.

Rainfall: Nil at numerous locations to 4.1 mm at Pintown (Kingsroo)
Temperature: Lowest max. 14.5°C at Dun Laoghaire, highest max. 24.9°C at Oughterard (Ardsilaghy) Lowest min. 4.4°C at Ashford (Cronkeyree), highest min. 12.4°C at Bollibeg
Sunshine: 7.9 hours at Ardfert (Liscahane) to 14.6 hours at Dublin Apts, Casement

Friday 7th: Sunny all day with temperatures above 20°C in midland and western areas before lunchtime. Eastern and southern coastal counties were a little cooler due to onshore breezes. Warmer again in the afternoon though sea breezes kept the coastal areas cooler. Winds were light to moderate, easterly.

Rainfall: Nil at numerous locations to 0.2 mm at Buncvoylo (Corragh)
Temperature: Lowest max. 13.5°C at Malin Head, highest max. 26.7°C at Oughterard (Ardsilaghy) Lowest min. 4.0°C at Thomastown (Mt. Juliet), highest min. 13.3°C at Newport (Furnace)
Sunshine: 13.2 hours at Ardfert (Liscahane), JFK Park to 16.0 hours at Ballyshannon (Cathleen’s Fall)

Saturday 8th: Dry overnight with mist or fog in a few areas. A cool night inland with a touch of grass frost in exposed areas. Temperatures rose quickly after sun-up and it was a warm and sunny day in most places, cooler along coasts. Fog for a time in the far north with temperatures substantially cooler there. A pleasant sunny evening across most of the country. Winds were light, east to northeasterly.

Rainfall: Nil at numerous locations to 0.2 mm at Castle Dargan
Temperature: Lowest max. 16.5°C at Dun Laoghaire, highest max. 26.8°C at Oughterard (Ardsilaghy) Lowest min. 9.3°C at Gurteen, highest min. 12.5°C at Newport (Furnace)
Sunshine: 12.4 hours at Ardfert (Liscahane) to 16.0 hours at Ballyshannon (Cathleen’s Fall)

Sunday 9th: Dry but cool overnight with fog patches in a few places. A warm and sunny day with the best of the temperatures inland and in western counties, cooler along coasts. Cloud over areas of Connacht during the afternoon but elsewhere remained sunny all day. Winds were light to moderate, variable.

Rainfall: Nil at numerous locations to 13.5 mm at Waterville Octave No. 9
Temperature: Lowest max.16.1°C at Wexford Wildfowl Reserve, highest max. 25.6°C at Elphin Lowest min. 4.8°C at Dublin Apts, highest min. 12.3°C at Ballyshannon (Cathleen’s Fall)
Sunshine: 8.6 hours at Newport (Furnace) to 15.5 hours at Dublin Apts, Casement

Monday 10th: Dry overnight, rain and showers developed over the South and Southwest during the morning, dry elsewhere with good sunshine. Heavy rain over the South and Southwest during the afternoon. The rain spread to most parts of the country during the evening and night, again with some heavy falls in places, though the far north remained dry with some clear spells. Winds were light, southeasterly.

Rainfall: Nil at numerous locations to 27.3 mm at Waterville Octave No. 9
Temperature: Lowest max.13.8°C at Sherkin Island, highest max. 21.2°C at Malin Head
Lowest min. 4.8°C at Dublin Apts, highest min. 12.5°C at Dooks
Sunshine: Nil at numerous locations to 11.2 hours at Dublin (Glensnevin)

Tuesday 11th: Rain overnight in most areas, heavy in places. The rain continued through the morning in the East, with some heavy falls. A clearance reached western parts during the morning, extending easterwards quickly. Showers during the afternoon, again with some heavy falls. The evening and night saw rain in many areas again. Winds were light, variable.

Rainfall: 0.1 mm at Gladest to 23.9 mm at Ardharach (Ardnasillagh)
Temperature: Lowest max. 14.0°C at Malin Head, highest max. 19.8°C at Phoenix Park
Lowest min. 8.4°C at Ballycroy-Knockmoyleen, highest min. 13.5°C at Newport (Furnace)
Sunshine: Nil at numerous locations to 2.2 hours at Ardfert (Liscahane)

Wednesday 12th: Rain over the eastern half of the country cleared by dawn. Rain approached the South coast during the morning affecting the Southwest, becoming more widespread during the afternoon, with some heavy bursts. During the evening rain affected most places at times except for the extreme Northwest. Winds were light, variable.

Rainfall: Nil at numerous locations to 28.5 mm at Ballyfentigle (Glencauen)
Temperature: Lowest max.13.9°C at Cork Apts., highest max. 19.6°C at Navan (Tara Mines)
Lowest min. 4.9°C at Cloosh, highest min. 12.6°C at Dublin (Glensnevin)
Sunshine: 0.1 hours at Clonroche (Knoxtown), Ballincurry (Peafalis), Cork Apts to 8.1 hours at Knock Apts.

Thursday 13th: Bands of rain crossed the country overnight, these were closely followed by frequent showers which continued throughout the afternoon. The showers became confined to the northern half of the country during the late afternoon and died out completely in the North during the early evening. After dark another band of rain approached the West coast, affecting the West and South. Winds were light to strong, westerly.

Rainfall: Nil at numerous locations to 22.3 mm at Derrihpark
Temperature: Lowest max. 13.9°C at Ballinamore (Creery No. 2), highest max. 19.0°C at Cahore (Kilmichael Hse.), Lowest min. 7.6°C at Craggaunowen, highest min. 11.5°C at Roche’s Point 11.5°C at Duneggan (Carrriglea)
Sunshine: 0.2 hours at JFK Park to 8.9 hours at Cork Apts.

Friday 14th: Patchy rain in some western and southern areas overnight. Rain pushed in from the Southwest affecting much of the country during the morning. The rain became patchy but a further band pushed into western areas, affecting Munster, Connacht and southwestern parts of Leinster by lunchtime. Rain pushed up through the country reaching the far North by late afternoon. Showers late on in the South. Winds were strong to gale force, southerly.

Rainfall: Nil at Skreen to 52.3 mm at Kenmare (Doreen)
Temperature: Lowest max.13.5°C at Bollibeg, highest max. 17.9°C at Dun Laoghiare
Lowest min. 4.9°C at Dundalk (Annaskaghag), highest min. 12.5°C at Dooks
Sunshine: Nil at numerous locations to 3.1 hours at Sherkin Island

Saturday 15th: Rain persisted in northern counties overnight with scattered showers further south. Rain continued in northern counties throughout the day. Patchy rain which affected Munster during the early morning turned to showers before moving into Leinster and intensifying with some heavy bursts or thunderstorms later. During the evening the heavier showers in
Leinster pushed into the Irish Sea. Winds were moderate to strong, southwesterly.

Rainfall: Nil at numerous locations to 27.9 mm at Fintown (Kingsnrow) Temperature: Lowest max 13.5°C at Glenties Hatchery, Mount Russell, highest max. 19.0°C at Cahore (Kilmichael Hse.), Cavnav (Drumconnick) Lowest min. 3.7°C at Slieve Bloom Mtns, highest min. 8.6°C at Belmullet Sunshine: 3.3 hours at Shannon Apt. to 14.0 hours at Dublin Apl.

Sunday 16th: Rain or drizzle in parts of the Midlands and northern half of the country overnight had moved into the Southwest by morning. Rain covered much of Munster and the southern coastal areas of Leinster by lunchtime, whilst becoming heavier and persistent in the Southwest. By evening the rain reached southern and eastern parts of Ulster but northern and northeastern areas of Connaught and Ulster escaped. Winds were light, variable.

Rainfall: Nil at numerous locations to 5.1 mm at Kinsale (Voc.Sch) Temperature: Lowest max 11.8°C at Cork Apt., highest max. 18.9°C at Dublin (Glasnevin) Lowest min. 5.1°C at Dundalk (Annaskagh), highest min. 11.1°C at Dublin (Glasnevin) Sunshine: Nil at numerous locations to 2.7 hours at Ashford (Cronkyee)

Monday 17th: Rain affected much of the country overnight with only parts of the Northwest escaping. Apart from eastern fringes of Ulster, rain died out during the morning, though it was slow to clear northern Leinster. The afternoon was cloudy initially with rain in eastern Ulster and the odd spot of rain or drizzle in other parts of the country. Winds were light to moderate, east to northeasterly.

Rainfall: Nil at numerous locations to 1.2 mm at Ballynahinch Temperature: Lowest max.14.8°C at Belmerrig, highest max. 21.0°C at Cahore (Kilmichael Hse.) Lowest min. 7.6°C at Killarney (Muckross Hse.), highest min. 12.1°C at Belmerrig Sunshine: 6.3 hours at Knock Apt. to 7.7 hours at Clonroche (Knocktown)

Tuesday 18th: Dry overnight with some fog patches in places. It was a generally dry day with good sunshine in most areas. The evening and night continued dry with sunny and clear spells. Winds were light, westerly.

Rainfall: Nil at numerous locations to 7.2 mm at Ballymacarbary Temperature: Lowest max.14.2°C at Belmerrig, highest max. 23.0°C at Watford (Tyrco) Lowest min. 5.7°C at Dublin Apt., highest min. 12.5°C at Newport (Furnace) Sunshine: 2.4 hours at Ardfert (Liscashane) to 12.0 hours at Clonroche (Knocktown)

Wednesday 19th: Dry overnight, the day continued dry with good sunny spells in most places. A band of rain approached from the West towards the north, affecting the North and west coasts. Winds were light, west to southwesterly.

Rainfall: Nil at numerous locations to 5.0 mm at Glanlady Temperature: Lowest max.15.1°C at Carron, highest max. 23.0°C at Glengarriff (Incarluln) Lowest min. 5.5°C at Castletownshend, highest min. 12.2°C at Dublin (Glasnevin), Dun Laoghaire Sunshine: 9.6 hours at Newport (Furnace) to 14.4 hours at Sherkin Island

Thursday 20th: Rain, heavy at times, covered much of Ulster and Connaught overnight. The rain continued, affecting parts of the West and Southwest, but by midday was again confined to Ulster and Connaught. During the afternoon the rain tended to die out as it moved eastwards, with showery outbreaks of rain for a time. Winds were light, variable.

Rainfall: Nil at numerous locations to 10.4 mm at Skreen Temperature: Lowest max.14.5°C at Mace Head, highest max. 22.7°C at Lullymore Nature Centre Lowest min. 6.9°C at Adare Manor, highest min. 12.8°C at Dublin (Merion Sq.) Sunshine: Nil at Knock Apt. to 8.0 hours at Ashford (Cronkyee)

Friday 21st: Patchy rain or drizzle in the east of Ulster cleared in the early hours. A band of rain approached from the West around lunchtime, moving slowly across the country. Showers persisted in north Leinster and Ulster for a time before finally clearing the East coast after dark. Winds were light to moderate, west to southwesternly.

Rainfall: Nil at numerous locations to 20.0 mm at Sneem Temperature: Lowest max.14.2°C at Valentia Obs., highest max. 21.7°C at Cahore (Kilmichael Hse.) Lowest min. 8.2°C at Belmerrig, highest min. 14.3°C at Dublin (Glasnevin) Sunshine: 1.1 hours at Ardfert (Liscashane) to 7.4 hours at Ballincurragh (Peafield)

Saturday 22nd: Rain and drizzle from the West during the early part of the night affected much of the country with showers following in behind. These showers were widespread across the country for much of the day. They were more frequent during the afternoon before becoming isolated during the evening. Further spells of rain in the Southwest and Ulster. Winds were strong, variable.

Rainfall: Nil at numerous locations to 28.8 mm at Illies (Pollan Dam) Temperature: Lowest max.13.1°C at Knock Apt., highest max. 19.0°C at Cahore (Kilmichael Hse.),Lowest min. 8.8°C at Slieve Bloom Mtns, highest min. 12.5°C at Watford Mildowl Res. Sunshine: 0.5 hours at Ballincurragh (Peafield) to 6.4 hours at Dublin (Glasnevin)

Sunday 23rd: Overnight rain and drizzle affected much of the country. The rain or drizzle became more isolated during the early morning but a band of rain pushed into the Northwest and affected Ulster and north Leinster as the morning progressed. The band of rain gradually cleared away from north Leinster. Showers across the country affected mostly inland and eastern areas. Winds were moderate to strong, west to northwest.

Rainfall: Nil at numerous locations to 15.1 mm at Fintown (Kingsnrow) Temperature: Lowest max.12.4°C at Knock Apt., highest max. 19.5°C at Mallow (Spa Hse.) Lowest min. 8.0°C at Craggananouen, highest min. 12.5°C at Dublin (Glasnevin) Sunshine: 1.1 hours at Knock Apt. to 19.5 hours at Ballincurragh (Peafield)

Monday 24th: A band of light rain brushed across the Southwest coast during the early hours of the morning. Apart from that it was a mostly dry day with just the odd isolated spot of light rain or drizzle, with some prolonged sunshine in parts of the West. Winds were light to moderate, variable.

Rainfall: Nil at numerous locations to 4.6 mm at Killeagh (Monabarether) Temperature: Lowest max.14.1°C at Roche’s Point, highest max. 19.4°C at Oughterard (Ardnasillagh) Lowest min. 4.6°C at Slieve Bloom Mtns, highest min. 11.6°F at Newport (Furnace) Sunshine: 0.3 hours at Ardfert (Liscashane) to 7.0 hours at Ballyshannon (Cathleen’s Fall)

Tuesday 25th: There was some intermittent patchy light rain in the West and South west on and off during the first half of the day. It was otherwise dry but mostly cloudy. Winds were light, variable.

Rainfall: Nil at numerous locations to 6.4 mm at Dungarvan (Carraigla) Temperature: Lowest max.14.5°C at Roche’s Point, highest max. 19.3°C at Lullymore Nature Centre Lowest min. 3.1°C at Mt. Dillon, highest min. 12.1°C at Shannon Apt. Sunshine: Nil at Dungarvan (Carraigla) to 6.0 hours at Ashford (Cronkyee)

Wednesday 26th: A dry day over the country, with some good sunshine in most places. Some showers after dark along the North coast. Winds were light, west to northwest.

Rainfall: Nil at numerous locations to 11.6 mm at Croly Temperature: Lowest max.14.9°C at Malin Head, highest max. 21.8°C at Glengarriff (Incarluln) 21.8°C at Slieve Bloom Mtns. Lowest min. 3.5°C at Mt. Dillon, highest min. 12.5°C at Dublin (Glasnevin) Sunshine: 3.7 hours at Stradie to 12.6 hours at Sherkin Island

Thursday 27th: Mostly dry overnight, rain from the Northwest covered much of Ulster and North Leinster by morning. Rain continued in the East, but southern parts again remained dry with good sunny spells. Some patchy rain still in places during the evening and early night, but remaining dry in the South. Winds were light to moderate, west to southwesterly.

Rainfall: Nil at numerous locations to 17.2 mm at Croly Temperature: Lowest max.13.9°C at Mace Head, highest max. 22.5°C at Glengarriff (Incarluln) Lowest min. 5.9°C at Mt. Dillon, highest min. 12.2°C at Ballincro-Knockmoleken Sunshine: Nil at numerous locations to 8.8 hours at Cork Apt.

Friday 28th: Rain and drizzle in the North and Northwest spread to the Midlands and East during the early afternoon. This cleared away by late afternoon to leave some good sunshine particularly over the South. The evening and night were mostly dry, with just the odd shower along the Southwest coast. Winds were moderate to strong, westerly.

Rainfall: Nil at numerous locations to 20.1 mm at Leenan-Glannagama Temperature: Lowest max.13.9°C at Mace Head, highest max. 22.0°C at Clyone (Lisallyn) Lowest min. 10.8°C at Ballincro-Knockmoleken, highest min. 14.5°C at Ashford (Cronkyee) Sunshine: Nil at numerous locations to 6.3 hours at Ashford (Cronkyee)

Saturday 29th: Drizzle or light rain affected the western half of the country overnight. It spread quickly across the northern half of the country during the morning. Brighter conditions during the afternoon, with widespread sunny spells. Winds were light, west to southwesterly.

Rainfall: Nil at numerous locations to 13.6 mm at Maen Valley Temperature: Lowest max. 15.6°C at Malin Head, highest max. 24.6°C at Clyone (Cisallyn) Lowest min. 8.5°C at Pilltown (Kiltullion), highest min. 14.2°C at Clyone (Lisallyn) Sunshine: 0.2 hours at Ballyshannon (Cathleen’s Fall) to 12.5 hours at Sherkin Island

Sunday 30th: Light rain moved into the Northwest around dawn across the country slowly, finally clearing into the Irish Sea by mid-afternoon. Generally dry thereafter with just isolated light showers. Winds were moderate to fresh, southwest to westerly.

Rainfall: Nil at numerous locations to 8.9 mm at Roundstone Temperature: Lowest max.14.2°C at Belmerrig, highest max. 21.0°C at Cahore (Kilmichael Hse.),Lowest min. 9.5°C at Cahore (Kilmichael Hse.) to 9.5°C at Clonroche (Knocktown), highest min. 14.4°C at Dublin (Glasnevin) Sunshine: 0.3 hours at Newport (Furnace) to 6.9 hours at JFK Park
Rainfall totals were mainly below LTA, except for some parts of the North and South. Monthly totals ranged from 273 mm at Mt. Cummeragh, Co. Kerry with 132% of LTA, to 22.7 mm at Merrion Square, Co. Dublin with 39% of LTA, its driest June since 2005 (8 years). For most stations across the country it was wetter in June 2012. Ardnacrusha, Co. Clare recorded a monthly total of 50.8 mm, its driest June since 1996 (17 years), while both Fintown and Derryhenny in Co. Donegal recorded their wettest June since 2002 (11 years), with 186.8 mm and 162 mm respectively. The month’s actual lowest percentage of LTA was 28% at Inishbofin, Co. Galway with 27.7 mm, its driest June on record since 1984 (29 years).

Wettest days of the month were mainly on the 10th, 12th, 14th and 16th with the month’s highest daily fall at Waterville, Co. Kerry on the 10th with 72.3 mm, its wettest June day since 2003 (10 years). Cork Airport, recorded 51.3 mm on the 16th, its highest daily fall for June in 31 years, while Killeagh and Shanagarry North, Co. Cork also reported their highest daily fall for June in 31 years with 48.5 mm and 44.5 mm respectively on the 16th.

The number of raindays (days with 0.2 mm or more of rainfall) ranged from 7 at numerous stations to 25 at Derryhenny, Co. Donegal. The number of wetdays (days with 1 mm or more of rainfall) ranged from 5 at both Knockanore, Co. Waterford and Catledermot, Co. Kildare to 23 at Derryhenny Co. Donegal.

### DRIER THAN NORMAL IN MOST PLACES

Rainfall totals were mainly below LTA, except for some parts of the North and South. Monthly totals ranged from 273 mm at Mt. Cummeragh, Co. Kerry with 132% of LTA, to 22.7 mm at Merrion Square, Co. Dublin with 39% of LTA, its driest June since 2005 (8 years). For most stations across the country it was wetter in June 2012. Ardnacrusha, Co. Clare recorded a monthly total of 50.8 mm, its driest June since 1996 (17 years), while both Fintown and Derryhenny in Co. Donegal recorded their wettest June since 2002 (11 years), with 186.8 mm and 162 mm respectively. The month’s actual lowest percentage of LTA was 28% at Inishbofin, Co. Galway with 27.7 mm, its driest June on record since 1984 (29 years).

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WARMEST IN THE NORTHWEST AND WEST; COOLEST IN THE SOUTH

Mean temperatures were mainly on or above their LTAs except in parts of the South, Southwest and along eastern coastlines. Deviations from LTA ranged from -0.7°C at Sherkin Island with a mean temperature of 10.5°C to +1.1°C at Elphin, Co. Roscommon with a mean temperature of 14.6°C. Mean temperatures ranged from 12.9°C at both Knock Airport, Co. Mayo and Malin Head, Co. Donegal to 15.0°C at Newport, Co. Mayo. For the majority of stations it was warmer during June 2010.

Lowest minima ranged from 2.8°C at Mountdillon, Co. Roscommon on the 5th to 9.1°C at Mace Head, Co. Galway on the 12th. The majority of stations reported lower minima in June 2011 and 2012. Many stations recorded their highest maxima between the 7th and 9th with the month’s highest temperature of 26.8°C at Oughterard (Ardnasillagh), Co. Galway on the 8th. Cloyne (Lisanley), Co. Cork and Arklow (Ballyrichard House) Co. Wicklow both recorded a highest maxima on the 29th with 24.6°C and 22.9°C, respectively, their highest maxima for June since 2004 (9 years). The month’s lowest grass minimum temperature was -1.6°C on the 1st at Ashford (Cronykeery), Co. Wicklow. There was no days with air frost reported during the month, while the number of days with ground frost ranged from zero at numerous stations to three at Ashford (Cronykeery), Co. Wicklow.
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* Estimated data used in calculation. Table represents data from a small selection of rainfall stations. All data is 09-09 hr.
**HIGHEST AMOUNT OF SUNSHINE RECORDED IN THE EAST**

Sunshine totals were above average almost everywhere. Percentage of LTA values ranged from 95% at Ardfert (Liscahane), Co. Kerry with 147.2 hours of sunshine, to 127% at both Ashford (Cronykeery), Co.Wicklow and Belmullet Co. Mayo, with 229.8 hours and 197.2 hours of sunshine respectively. The sunniest day was at Ballyshannon (Cathleen’s Fall) with 16.0 hours of sunshine on both the 7th and 8th, its sunniest days in June since records began in 1967. Belmullet recorded its highest daily sunshine for June since 1995 (18 years) with 15.7 hours on the 7th, while Ashford (Cronykeery) had its sunniest June since 2006. Number of dull days ranged from one to eight.

Percentage of LTA global solar radiation values were just on or above average ranging from 99% at Valentia Observatory and Malin Head to 113% at Dublin Airport.
Monthly mean sea level pressure values ranged from 1018.8 hPa in the Southwest to 1016.7 hPa in the North. The month’s highest pressure value was 1035.3 hPa recorded at Valentia Observatory on the 26th as a ridge of high pressure was situated over the country. The month’s lowest pressure value was 991.2 hPa recorded at Malin Head on the 22nd as a depression to the north of Malin Head maintained a strong, unstable southwest to west airflow.
The first tropical cyclone of the 2013 North Atlantic hurricane season was Tropical Storm Andrea which made landfall along Florida's Gulf Coast on June 6th. Maximum winds of 100 km/hr were recorded, with the storm causing a minor storm surge, heavy rainfall and tornadoes.

Exceptional monsoon rains in northern India and Nepal, combined with melting snow brought flooding and landslides to the region in mid-June. Over 5,000 people were killed in India, with nearly 40 people killed in Nepal.

Spain reported its coolest June since 1997 (15 years) with Málaga reporting a mean minimum temperature 16°C, over 2°C below its average.

Temperatures on June 17th hit 35°C in Talkeetna, Alaska, just below the state's highest temperature ever recorded of 37°C in 1969. Other towns in southern Alaska set all-time record highs, including Cordova, Valea, and Seward.