

eDeposit Ireland

Monthly Weather Bulletin December 1990

Item Type	report
Publisher	Irish Meteorological Service
Rights	Y
Download date	2026-06-16 09:39:16
Link to Item	https://hdl.handle.net/20.500.14765/69527

Monthly Weather Bulletin

published by the Meteorological Service, Glasnevin Hill, Dublin 9

DECEMBER
1990

no. 56

Cold, Wet and Very Windy

It was a cold month overall, and wet too, except in Cork. The most notable features were the snow, which was widespread during the weekend of the 7th-9th and the last 3 days of the month, and the very strong winds of the last 10 days.

This infrared satellite picture shows the situation on the afternoon of Saturday the 8th. Much of England and Wales is affected by heavy snowfalls from a depression centred over the east of England, while shower clouds stream down from the north to affect the north and northwest of Ireland.

(photo Dundee University)

CONTENTS

WEATHER.....	2
RAINFALL.....	5
TEMPERATURE.....	6
SUNSHINE.....	7
YEAR 1990.....	8
DIARY.....	10
TABLE.....	12



Having fun in the snow that fell on the weekend of the 7th-9th (photo Irish Times)

Snow and Strong Winds

During the first five days pressure was high over Ireland. The anticyclone was centred to the south of Ireland on the 1st and 2nd but, with the passage of a weak cold front on the 3rd, the main centre of high pressure shifted to the west. During the following day this centre moved eastwards and crossed Ireland on the 5th and early on the 6th. Later that day and during the 7th an active cold frontal rainbelt moved southwards and a depression formed over England giving heavy snow there. Ireland escaped with between 4 and 16mm of rain or sleet as winds veered northwesterly and then northerly.

There was a very cold northerly flow on the 8th which gradually turned more northeasterly on the 9th; on both days there were occasional wintry showers, mainly near north- and east-facing coasts, where thunder was reported. Pressure rose on the 10th and there were only a few showers as the wind turned gradually northwesterly. During the 11th, as a deep depression moved from Iceland towards Scandinavia, a westerly airflow developed and a weak cold front came down from the northwest late in the day. Behind the front winds veered northwesterly again and pressure rose steadily over Ireland on the 12th.

There was a high pressure area over Ireland between the 13th and 17th which drifted very slowly eastwards. A slack south to southeast airflow brought hazy conditions with frost and fog at times. Late on the 18th there was a change of airmass as a cold front moved southwards and brought clearer, fresher conditions and a change in wind direction from southerly to northwesterly. For the rest of the month vigorous Atlantic depressions determined our weather.

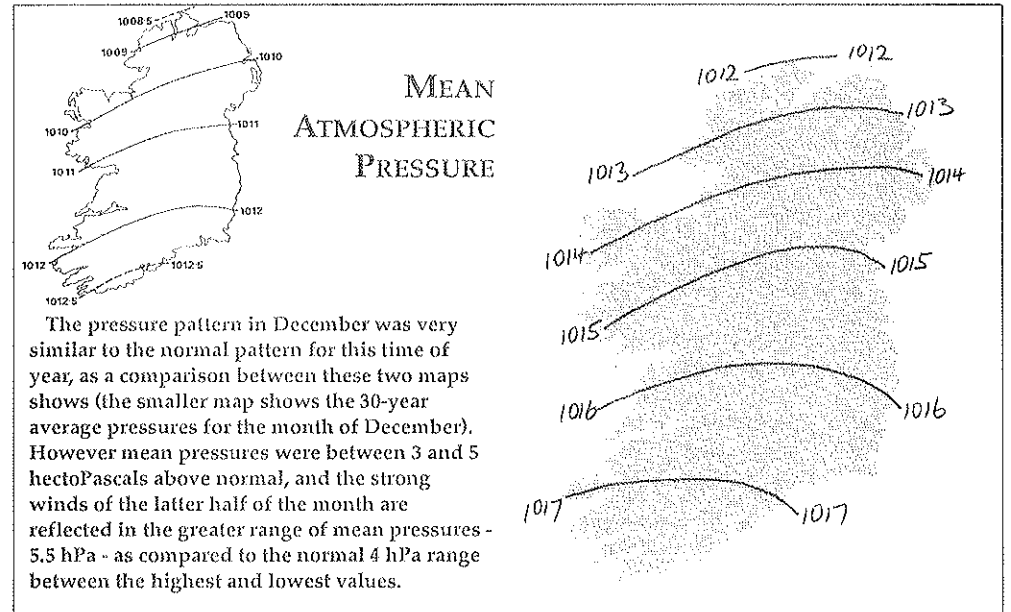
Winds backed gradually to the southwest on the 19th as a warm front approached from the Atlantic. Next day, a depression

SNOW IN IRELAND

"Near the south and southwest coasts sleet or snow is observed on average on less than 10 days a year. At midland and northern stations, where winter air temperatures are lower, snow or sleet is observed on over 20 days in the year, even on coasts....(Also) since temperature decreases with height, the incidence and duration of snow increase as one goes to higher ground....(It has been calculated) that in the higher reaches of the Wicklow Mountains....the annual average number of mornings with snow cover exceeds 30 per year.

On most occasions, snow lying does not exceed a few centimetres in depth and does not last long but....depths of over 10cm have been recorded at most stations since 1961. (Snow depths have only been measured at weather stations since 1960.) The greatest depth recorded was 45cm at Casement Aerodrome during the winter of 1962/'63. January and February are the months in which snow is most frequent but it is not uncommon to have snow in any of the months from November to April. Snow has been reported, even near sea level, in May and September and on some occasions, the falls have been considerable but the snow melted quickly."

(from "The Climate of Ireland", by P.K.Rohan)



SEA TEMPERATURES

The sea cooled another couple of degrees during December. By the end of the month sea temperatures generally ranged from around 9°C off the north and northeast coasts to close to 11°C along the coast of Kerry. Malin Head reports a mean sea temperature of 8.6°C, which is normal for the month of December. The temperature of the sea there ranged between 7 and 10°C during the month.

It is interesting to compare these values with Malin Head's equivalent air temperatures. The mean air temperature in December was almost 3°C lower than the mean sea temperature while the range of air temperature was four times the sea temperature range.

Daily mean wind speeds and maximum significant gusts (34 knots or more)

again there were southerly gales followed by a cold and very squally westerly. On the 27th the cold, showery westerly continued but the very strong winds gradually eased. The south of the country experienced a brief period of mild air on the 28th, as active fronts moved eastwards, but a cold, showery southwesterly which developed behind these fronts persisted for the rest of the month. The weather was a mixture of sunshine and showers of hail, sleet or snow, with thunder in some coastal districts. Early on the 31st a minor trough gave widespread sleet and rain in the south and east as it moved along the south coast.

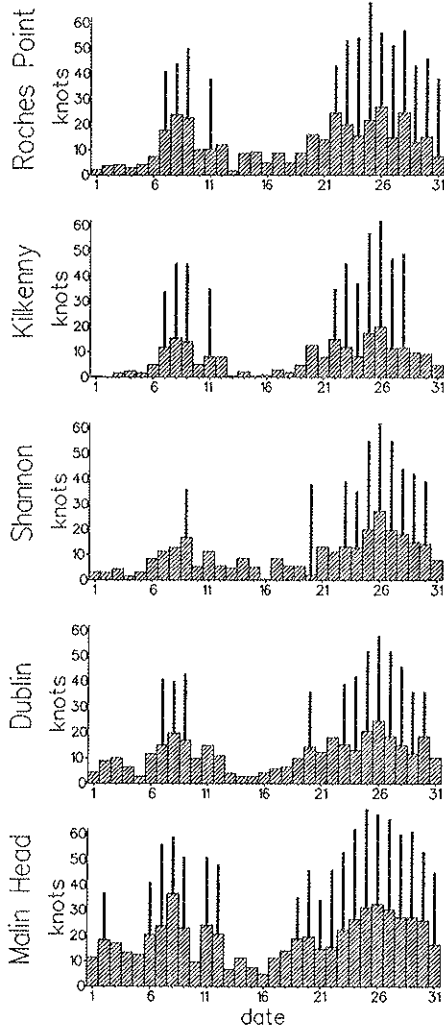
Gale gusts were reported on a total of 20 days at Malin Head. Generally however, there were between 14 and 17 days with gale gusts at coastal stations and between 8 and 13 such days inland. The strongest gust, 73 knots, occurred at Casement

Aerodrome on Christmas Eve. The windy periods were the 7th-9th, 11th and the 20th-31st.

Wintry showers were usually associated with these strong winds, so that hail and snow also occurred between the 7th and 9th and from the 23rd to the 31st. Roche's Point escaped with just 1 day with hail and no snow at all but elsewhere there were between 2 and 8 days with snow, increasing from south to north,

and between 1 and 4 days with hail over much of the country but from 6 to 10 days along northern and western coasts.

Apart from the thunderstorm in Dublin on the 9th, thunder was mainly confined to northern and western coastal areas and the period from Christmas Day to the end of the month. Fog was mainly reported from inland stations on the 3rd, the 11th-17th, and the 21st.



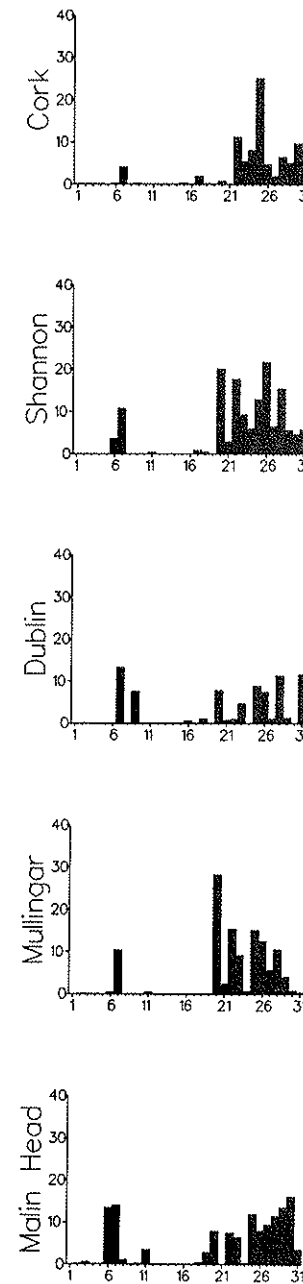
Last 11 days accounts for most of the rain

Total precipitation amounts, i.e. rain, hail, sleet and snow, were above normal except in the south. 162mm fell at Claremorris in Co. Mayo, compared to just 73mm at Roche's Point in Co. Cork. Amounts were between 90% and 136% of normal over most of the country, but the Cork area received just 70% to 80% of normal rainfall.

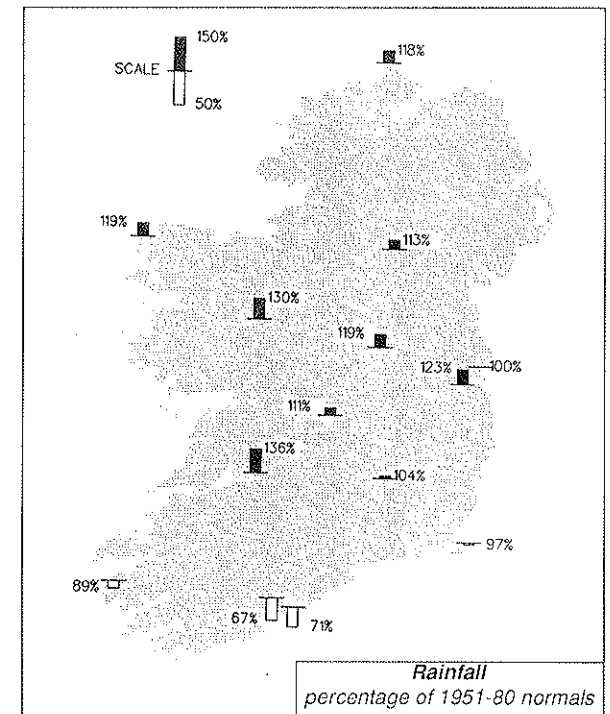
Most of the heaviest falls occurred during the last 11 days of the month, most notably on the 20th, 22nd, 25th and 26th, when falls of more than 20mm were recorded at various stations. The

heaviest daily fall during the month totalled 28.5mm; it was measured at Claremorris on the 22nd. There were also widespread heavy falls on the 23rd and 28th. Both Dublin Airport and Rosslare had their heaviest falls - 13mm and 16mm respectively - on the 7th, much of which was due to showers of sleet and snow.

There were 22 raindays - defined as a day with 0.2mm or more of rain, at western coastal stations, whereas along the south coast it rained on just 13 days. Other stations reported between 15 and 19 days with rain. There was very little rain during the periods of high pressure from the 1st to the 5th and the 12th to the 17th. The wetter periods were the 7th and from the 20th to the 31st.



Daily rainfall amounts (millimetres)



Rainfall percentage of 1951-80 normals

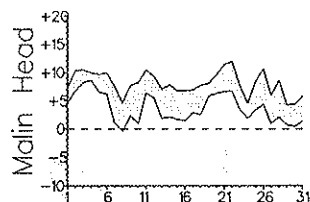
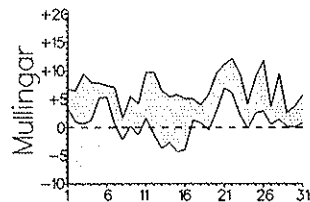
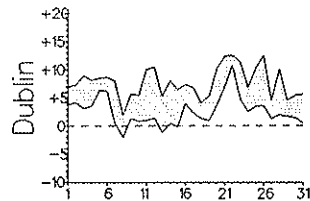
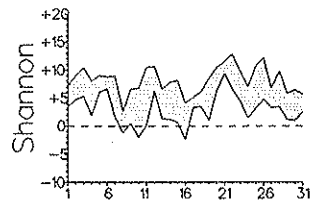
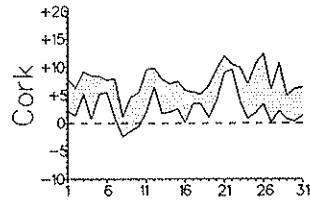
Cold, particularly first half of month

It was the coldest December for 8 to 9 years in the south and east. Mean temperatures were below normal everywhere, ranging from 0.4°C below at Belmullet to 1°C below at a number of inland stations and stations in the south. Both daytime maximum temperatures and nighttime minima were below normal for the time of year.

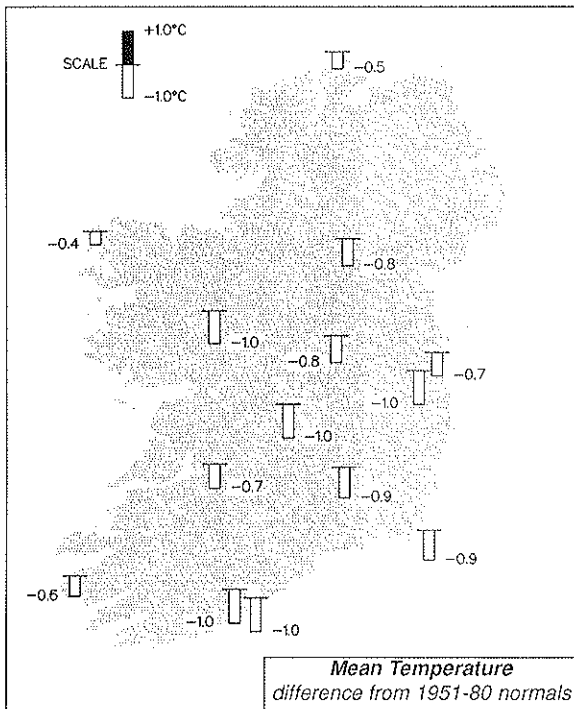
The coldest weather occurred on the 8th, 10th, and between the 13th and 16th. Minimum temperatures everywhere were freezing or below on the 8th; indeed at some inland stations the mean temperature for that

day was also below freezing. The lowest temperatures of the month were recorded on the 15th and 16th however, when the mercury at Clones dropped to -5.1°C. There were only a few instances of air frost after the 16th. Ground frost continued to be a problem however, particularly on the 24th and from the 29th to the 31st, causing difficult driving conditions at times.

The highest temperatures of the month occurred on the 22nd over much of the country but the 26th was warmer in the south, when Cahirciveen recorded the highest value of the month, 13.1°C. The warmest days generally were the 3rd, 5th-6th, 11th-12th, 20th-23rd, 25th-26th and the 28th.



Daily maximum and minimum temperatures (degrees Celsius)



Mean Temperature difference from 1951-80 normals

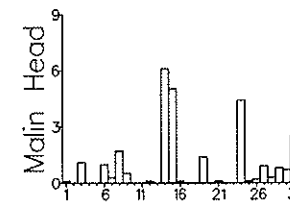
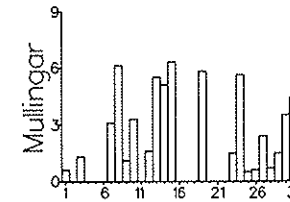
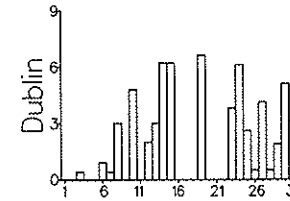
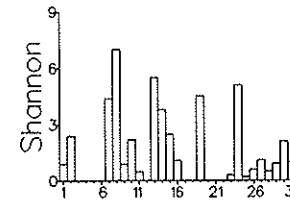
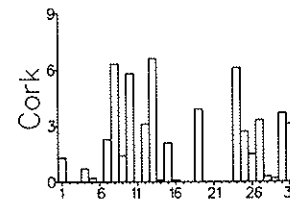
Sunniest December for 20 years in midlands

December's sunshine was normal or above except in the west and southwest. Average daily sunshine amounts ranged from less than an hour at Malin head, Belmullet and Cahirciveen, to just over two hours at Rosslare.

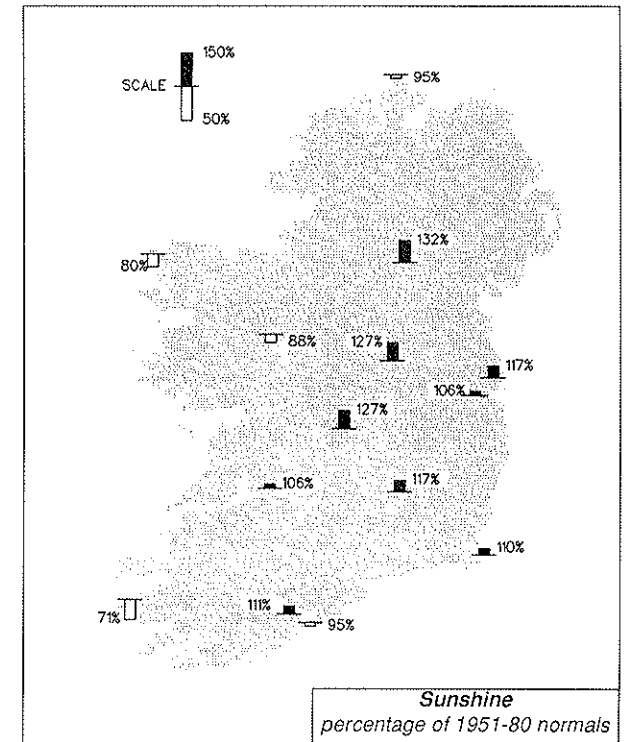
Compared to the normal amounts for this time of year, amounts ranged from 71% at Cahirciveen to more than 125% over much of the midlands, where it was the sunniest December for 20 years or more.

The sunniest days were the 8th, 13th-15th, 19th, 24th, and the 30th-31st. The sunniest day of the month was the 8th at Shannon Airport, when the sun shone for 7 hours. Most other stations had at least one day with around 6 hours of sunshine but at Cahirciveen the sun shone for just 4.5 hours on the 4th, the sunniest day at the station.

About a third of the days were completely dull. The duller periods were from the 1st to the 6th, the 11th, the 16th-18th and the 20th-22nd.



Daily sunshine amounts (hours)



Sunshine percentage of 1951-80 normals

WEATHER OF 1990

1990 was a warm year. The most notable features were the storms of late January and February and the May to September period which was dry overall, especially in the south and east.

Percentage rainfall ranged from over 120% of normal in the north and west to less than 90% on parts of the south coast. At Belmullet and Malin Head it was the wettest year since the 1950s but in south Munster it was the driest year since 1975.

Mean annual temperatures were generally between 0.6°C and 1.0°C above normal with both maximum and minimum temperatures contributing

almost equally. At most stations mean temperatures were equal to or slightly below those of the warm years 1983 and 1989, but at Kilkenny it was the warmest year since recording began in 1958, at Belmullet the warmest since 1959 and at Malin Head the mean equalled that of 1971. Some stations near the north, west and southwest coasts had their highest mean minimum temperatures for between 30 and 50 years.

Highest temperatures of the year occurred in early August: Dublin Airport had its highest temperature since recording began there in 1942, 28.7°C, and temperatures of 30°C or more were recorded on the 2nd of August in Dublin city, making it

the hottest day in the city for more than a century. The lowest temperatures of the year occurred in late November when -5.4°C was recorded at both Birr and Clones.

Percentage sunshine ranged from 80% at Belmullet to 108% at Mullingar where it was the sunniest year since 1968: it was also the sunniest year since the 1960s at Cork Airport and Rosslare. The strongest winds of the year occurred in late January and February when gusts of 70 to 80 knots were widely recorded, with a gust of 86 knots at Roche's Point. There were also some gusts in the range 60-73 knots during October and in late December.

With the exception of a rather wet June, the summer was mainly dry and warm — good seaside weather. (photo courtesy Irish Independent)



METEOROLOGICAL SUMMARY FOR THE YEAR 1990

Station	Rainfall			Air Temperature				Sunshine		Wind		Number of days with									
	Total	Most in a Day	Means of	Mean	Extreme Temperature	Total	Most in a Day	Max Gale	Rain	Snow	Frost	Hail	Thunder	Fog	Gusts						
	Amount	Date(s)	Max	Min	Highest	Lowest	Date(s)	Date(s)	Amount	Date(s)	Gale	mm	mm	mm	mm	mm					
Belmullet	1446.7	32.2	25 Jan	13.2	7.6	10.4	25.7	13 Jul	-1.5	16 Feb	1091.0	14.2	25 May	80	263	33	6	73	11	16	179
Birr	843.5	35.3	6 Feb	13.9	5.3	10.1	27.0	2 Aug	-5.4	29 Nov	1222.0	14.4	18 Jul	77	206	16	26	11	8	24	97
Cahirciveen	1334.8	27.1	23 Oct	14.1	8.3	11.2	27.7	13 Jul	-1.6	4 Apr	1173.4	14.6	10 Jun	79	235	5	4	40	10	9	164
Casement	751.4	48.5	15 Oct	13.7	6.4	10.1	29.5	2 Aug	-3.8	15 Dec	1398.1	15.3	18 Jul	77	181	16	24	21	7	24	158
Clanmorris	1348.7	32.9	17 Oct	13.4	6.0	9.7	25.6	13 Jul	-4.6	16 Dec	1120.4	13.9	27 May	80	241	32	21	52	2	19	122
Clones	1117.5	27.1	6 Feb	13.1	6.2	9.7	26.2	2 Aug	-5.4	29 Nov	1207.3	14.8	21 Jul	81	225	27	18	21	6	37	114
Cork Airport	1032.7	34.2	2 Oct	13.3	7.1	10.2	24.6	22 Aug	-2.4	8 Dec	1523.4	15.0	21 Jul	78	202	15	7	17	2	73	150
Dublin Airport	728.4	47.2	15 Oct	13.9	7.3	10.6	28.7	2 Aug	-2.9	4 Apr	1494.0	14.8	21 Jul	71	173	18	8	15	6	31	166
Kilkenny	842.1	31.6	15 Oct	14.3	6.3	10.3	28.2	2 Aug	-3.9	29 Nov	1410.1	15.2	21 Jul	68	190	18	30	18	3	23	98
Malin Head	1310.8	34.6	6 Oct	12.4	7.7	10.1	24.4	18 Jul	-0.4	8 Dec	1203.3	15.3	25 May	78	243	36	2	74	9	8	211
Mullingar	1022.1	38.7	6 Feb	13.3	5.9	9.6	27.3	2 Aug	-4.3	15 Dec	1425.1	14.9	18 Jul	67	214	25	25	5	4	25	94
Roche's Point	787.0	34.6	21 Jun	13.7	8.3	11.0	22.7	3 Aug	-0.9	8 Dec	1553.7	14.8	21 Jul	86	170	3	1	14	4	30	148
Rosslare	824.1	44.2	25 Nov	13.5	8.4	11.0	25.9	3 Aug	-0.6	2 Mar	1730.6	14.6	21 Jul	71	165	3	2	13	7	23	132
Shannon Airport	1023.9	33.5	6 Feb	14.3	7.9	11.1	27.4	2 Aug	-2.7	28 Nov	1341.3	14.6	21 Jul	72	217	14	8	35	10	24	111

NOTES: Rainfall in millimetres. Temperatures in Degrees Celsius. Sunshine in Hours and Wind in Knots. Gale Gust = Gust of > 33.5 knots. * = days with 0.2mm or more

Saturday 1st: An anticyclone over the Irish Sea drifted southwards giving a mostly cloudy, dry day with widespread mist. Some drizzle in the northwest. Winds were light and variable throughout.

Rainfall: nil generally, trace in the northwest

Temperature: max. 6-10°C, min. 1-4°C inland, 5-6°C coastal

Sunshine: nil generally but up to 3 hours in the midlands

Sunday 2nd: The high over the southwest of England maintained a mostly slack west to southwest airflow. It was a dry, cloudy, misty day with light variable or southwest to west winds.

Rainfall: nil

Temperature: max. 6-10°C, min. -0.2 to 4°C inland, 5-9°C coastal

Sunshine: nil generally but 1-2 hours in the southeast and the southwest

Monday 3rd: A weak front moved slowly southwards giving outbreaks of light drizzle.

Rainfall: trace

Temperature: max. 9-11°C, min. under 4°C inland, 5-8°C elsewhere

Sunshine: nil generally but 3 hours in Clones

Tuesday 4th: A ridge of high pressure covered the country. Dry and cloudy.

Rainfall: nil

Temperature: max. 8-10°C, min. -1 to 6°C inland, up to 9°C elsewhere

Sunshine: nil generally, but 5 hours in the southwest

Wednesday 5th: High pressure still over the country. Dry and cloudy. Light variable wind.

Rainfall: nil

Temperature: max. 7-11°C, min. 5-7°C

Sunshine: nil generally, up to an hour in the Cork area, 7 hours in Rosslare

Thursday 6th: Rain reached the north and northwest before noon and moved slowly southeastwards, not reaching the south before midnight. Winds freshened ahead of the rain to moderate southwesterly.

Rainfall: nil in the south, 4mm in southwest, 6-13mm in the north and northwest

Temperature: max. 7-11°C, min 5-8°C

Sunshine: nil generally but up to an hour in the north and northwest

Friday 7th: A cold front moved southeastwards bringing rain. Colder weather with showers followed, some of hail, sleet or snow. More continuous rain and snow in eastern areas as a depression deepened over England. Winds west to northwest at first, veered northerly and increased moderate to fresh and gusty inland but along coastal areas of the west, north and east they reached gale force.

Rainfall: 4-16mm

Temperature: max. 7-10°C, min 1-3°C, slight ground frost

Sunshine: up to 4 hours

Saturday 8th: A northerly airflow. Very cold with showers of hail, snow or sleet, widespread and frequent in the west but more isolated elsewhere. Northerly winds, moderate inland but strong to gale force on coasts.

Rainfall: nil generally, 1-3mm in north and south west, 3-10mm in the northwest

Temperature: max. 1-5°C, min -3°C to zero, ground frost -6°C in Dublin

Sunshine: up to 3 hours in the west, north and southeast, 3-7 hours generally

Sunday 9th: A strong to gale force northeasterly flow associated with a depression over the southeast of England. Showers of rain, sleet, snow and hail were most frequent along the east coast and more scattered elsewhere. Thunder was reported in Dublin during the morning.

Rainfall: 5-8mm in east Leinster, trace or nil elsewhere

Temperature: max. 4-8°C, min. -2 to 3°C, ground frost -4°C inland

Sunshine: up to 2 hours

Monday 10th: A light northeasterly later northwesterly airflow as an Atlantic high moved eastwards. A warm front brought light to moderate west to northwest winds. Isolated showers.

Rainfall: less than 1mm

Temperature: max. 4-8°C, min. -5° to 2°C, ground frost -11°C inland

Sunshine: nil in the north, up to 6 hours elsewhere

Tuesday 11th: A weak cold front moved southeastwards bringing light rain. Winds light to variable with fog in places, later southwest to west moderate to fresh, later still, northwest fresh to strong with gale gusts in places.

Rainfall: nil to 3mm

Temperature: max 10-12°C, min -0.1 to 6°C

Sunshine: nil generally but trace in the southwest

Wednesday 12th: A fresh northwesterly airflow. Later a ridge of high pressure built up. Light misty rain in places. Winds generally moderate northwesterly but strong in the north at first with gale gusts, later calm or light variable.

Rainfall: nil or less than 1mm

Temperature: max. 9-11°C, min -1°C to 4° generally, 5-9°C coastal

Sunshine: nil-4 hours

Thursday 13th: An anticyclone over the east of the country. A weak warm front just off the west coast was almost stationary. Generally all areas had a dry, bright day with some haze and mist. Sharp frost was widespread away from the west and south coast. Winds light southeasterly.

Rainfall: nil generally, trace in the southwest

Temperature: max. 5-10°C, min. -4°C to 4°C but 7°C in the southwest

Sunshine: nil to 7 hours

Friday 14th: A bright sunny day with a south to southeast airflow. The south and southwest were fairly cloudy. Sharp frost early and late except on west and south coasts.

Rainfall: nil

Temperature: max. 5-10°C, min. -4°C to -1°C inland, up to 5°C elsewhere

Sunshine: 1-4 hours in the southern half, 5-6 hours in the northern half

Saturday 15th: An anticyclone near the Isle of Man drifted slowly northwards causing a light to moderate southeasterly airflow over the country.

Rainfall: trace in the south only

Temperature: max. 2-9°C, min. -4°C to 2°C inland, 1-8°C elsewhere

Sunshine: nil to 6 hours

Sunday 16th: A ridge of high pressure covered the country.

Rainfall: generally nil to 1mm

Temperature: max. 2-9°C, min -5°C to -2°C inland, up to 6°C coastal

Sunshine: nil generally but 1-4 hours in the southwest and the northwest

Monday 17th: Light southeast to east winds brought some drizzle and fog. Cloudy and cold.

Rainfall: generally nil but up to 2mm in the south

Temperature: max. 4-8°C, min 1-5°C

Sunshine: nil

Tuesday 18th: Dull and cloudy with mist and drizzle in a light southeasterly flow. A weak cold front crossed the country during the evening bringing fresh colder weather. It cleared the east coast about midnight, leaving in its wake a fresh later strong northwesterly flow with showers in the northwest and ground frost in the midlands.

Rainfall: nil-6mm

Temperature: max. 4-8°C, min -2°C to 5°C

Sunshine: trace

Wednesday 19th: A ridge of high pressure moved over the country from the west, bringing mostly dry weather.

Rainfall: nil generally, 1-3 mm in the northwest

Temperature: max. 5-9°C, min -0.5°C to 6°C, ground frost -6°C

Sunshine: 1-7 hours

Thursday 20th: Fronts moved into western areas during the night bringing rain and strong westerly winds which decreased in the afternoon as a front became slow-moving over the centre of the country.

Rainfall: less than 1mm in the south, 6-28mm elsewhere, heaviest in midlands

Temperature: max. 9-11°C, min 3-8°C

Sunshine: nil

Friday 21st: A warm front over the midlands moved northwards leaving the country in a broad warm sector with strong south westerly winds and cloudy, mild and humid conditions.

Rainfall: nil-4mm

Temperature: max. 11-13°C, min 6-10°C

Sunshine: trace

Saturday 22nd: Cloudy throughout with rain. Strong to gale force southwest winds veered west to northwest and eased off behind a front which moved eastwards later.

Rainfall: 1-4mm in East Leinster, 6-18mm generally but 29mm at Claremorris

Temperature: max. 11-13°C, min 6-11°C

Sunshine: trace

Sunday 23rd: A depression west of Iceland dominated the weather and maintained a strong southwesterly airflow. Gale force southwesterly or westerly winds. Widespread rain or showers, some heavy with hail. Lightning in the northwest.

Rainfall: 4-17mm

Temperature: max. 7-11°C, min 2-6°C

Sunshine: generally nil to 2 hours, 3-4 hours in the extreme east

Monday 24th: A deep depression in mid-Atlantic maintained a very strong south to southwest airflow. Winds southerly fresh to strong at first, later gale to strong gale force. Showers at first, widespread rain, heavy in places later.

Rainfall: nil-8 mm generally, 11-19mm in the northwest

Temperature: max. 4-9°C, min -1°C to 4°C, ground frost to -7°C

Sunshine: 3-7 hours

Tuesday 25th: A frontal trough cleared all areas by dawn, preceded by widespread rain and strong gale force southerly winds. A strong, unstable westerly airflow followed. Squally showers throughout the day, some of hail in the west and north. Thunder in the northwest. Winds eased during the evening and backed southwesterly.

Rainfall: 9-18mm generally, 18-25mm in the south

Temperature: max 8-12°C, min 2-4°C

Sunshine: trace to 4 hours

Wednesday 26th: Troughs of low pressure associated with a deep depression to the northwest moved quickly eastwards overnight and during the morning. A cold, unstable and stormy west to northwest airflow followed giving squally showers of rain and hail.

Rainfall: 4-5mm in the south, 7-22 mm elsewhere

Temperature: max. 11-13°C, min 2-6°C

Sunshine: trace to 2 hours

Thursday 27th: A very strong unstable westerly airflow. Later in the day it backed southwesterly and slackened. Wintry showers most frequent in the west.

Rainfall: trace to 9 mm

Temperature: max. 4-7°C, min 0.1-4°C

Sunshine: 1-2 hours generally, 3-4 hours in the south and east

Friday 28th: Active rainbelts moved across the country in the morning and a strong unstable west to southwesterly airflow became established. Squally wintry showers of snow and sleet in western areas.

Rainfall: 6-10mm

Temperature: max. 9-12°C, min 1-5°C

Sunshine: less than an hour

Saturday 29th: The strong unstable west to southwest airflow continued to give cold weather with wintry showers of rain, sleet or snow, with hail in places and also isolated thunderstorms. Showers were more frequent in the west and north west of the country where winds were up to gale force with strong gusts.

Rainfall: nil to 6mm generally but 14mm in the north

Temperature: max. 3-7°C, min zero to 3°C

Sunshine: trace to 2 hours

Sunday 30th: A mostly strong and unstable southwesterly airstream persisted giving wintry showers of rain, sleet or hail with thunderstorms in the northwest during the afternoon where the wind reached gale force at times.

Rainfall: nil to 10mm generally, 12mm in the southeast and 14mm in the north

Temperature: max. 4-8°C, min -0.2°C to 2°C

Sunshine: 1-5 hours

Monday 31st: A small depression moved northeastwards across Munster and South Leinster bringing rain and sleet which cleared by mid-morning. Winds light to moderate southerly veered southwesterly and became fresh to strong and gusty in the north and northwest. Winds fell off in the evening with frost becoming widespread inland.

Rainfall: nil to 10mm generally, 12-15mm in the east and southeast

Temperature: max. 5-8°C, min 0-4°C, ground frost

Sunshine: 1-5 hours

Station	Rainfall		Air Temperature				Sunshine		Wind		Number of days with										
	Total	Most in a Day	Means of		Extreme Temperature		Total	Amount	Max Gale Gust	Date(s)	Rain*	Snow	Frost	Hail	Thunder	Fog	Gale Gusts				
		Amount	Date(s)	Max	Min	Highest												Lowest	Date(s)		
Belmullet	145.8	16.8	20	9.1	3.8	6.5	12.4	22	-0.6	10, 16	26.9	6.4	14	67	22	7	3	10	2	-	17
Birr	95.3	16.2	22	7.6	1.3	4.5	13.0	22	-4.9	16	55.8	6.1	14	56	17	7	8	1	-	4	8
Cahiraveen	141.6	18.6	24	9.5	4.6	7.1	13.1	26	0.0	8	27.0	4.5	4	64	22	2	-	7	2	-	14
Casement	94.9	19.7	20	7.1	1.6	4.4	12.2	22	-3.8	15	49.8	6.4	24	73	15	4	9	4	1	1	16
Clanmorris	161.8	28.5	22	7.1	1.5	4.3	12.0	26	-4.6	16	33.2	6.0	14	71	18	8	7	8	-	2	12
Clones	108.4	17.5	25	6.7	1.4	4.1	11.6	22	-5.1	16	47.3	5.9	14	62	16	6	7	2	-	5	10
Cork Airport	93.7	25.0	25	7.7	2.5	5.1	12.4	26	-2.4	8	54.8	6.6	13	60	17	4	3	3	-	2	13
Dublin Airport	78.7	13.2	7	7.8	2.6	5.2	12.6	22, 26	-2.0	8	61.2	6.6	19	58	15	5	3	2	1	4	12
Kilkenny	95.6	16.2	28	7.6	1.3	4.5	13.0	26	-3.7	14	54.3	6.7	24	62	16	7	11	-	-	2	11
Malin Head	132.1	16.1	30	8.1	3.7	5.9	11.9	22	-0.4	8	27.4	6.1	14	70	19	6	1	10	3	-	20
Mullingar	116.6	28.2	20	6.9	0.9	3.9	12.1	22	-4.3	15	60.5	6.3	15	56	15	6	9	-	-	2	12
Roche's Point	73.1	17.7	25	8.8	3.8	6.3	12.6	26	-0.9	8	52.1	6.4	8	68	13	-	1	1	-	-	14
Rosslare	94.7	15.9	7	8.5	3.9	6.2	12.6	26	-0.4	8	62.9	6.8	5	60	13	2	1	1	-	-	16
Shannon Airport	144.4	21.6	26	8.2	2.9	5.6	12.8	22	-2.4	16	47.5	7.0	8	62	17	5	3	6	1	4	10

NOTES: Rainfall in millimetres. Temperatures in Degrees Celsius. Sunshine in Hours and Wind in Knots. Gale Gust = Gust of > 33.5 knots. * = days with 0.2mm or more

Annual subscription £21. All data published in this bulletin are provisional.