

# Monthly Weather Report

Met.O. 763

## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers

Volume 82 Number 6

Published by HER MAJESTY'S STATIONERY OFFICE

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### June 1965 — *Wet in most areas*

Generally anticyclonic weather during the first eleven days of the month was interrupted on the 5th-8th by a shallow disturbance moving east across the British Isles. From the 12th onwards a sequence of depressions from the Atlantic maintained mainly cyclonic weather for about two weeks, but on the 26th pressure rose sharply over the country and during last few days of the month a ridge of high pressure extended from the Atlantic over most of England and Wales.

The month began dull and cold over much of central and south-east England but as a ridge of high pressure over northern districts spread southwards weather became fine and warm nearly everywhere with more than 14 hours of sunshine in many places on the 2nd and 3rd. Frontal rain associated with a depression near Iceland reached Northern Ireland on the morning of the 4th later spreading into Scotland and northern England.

On the 5th-7th a shallow area of low pressure over southern England gave outbreaks of thundery rain and scattered thunderstorms though many places had long sunny periods. The 8th was dull and wet over much of England and Wales and the rain in eastern districts persisted well into the morning of the 9th as the depression moved eastwards into northern Germany.

A ridge of high pressure following the depression moved slowly across the British Isles on the 9th-11th bringing fine warm weather to all districts. Many places recorded more than 12 hours of sunshine daily during this period and afternoon temperatures locally exceeded 20°C.

From the 12th to the 25th weather was generally unsettled as a series of troughs or depressions, separated by weak ridges, moved eastwards across the country. Widespread frontal rain on the 12th persisted over much of the country until the early hours of the following morning, but the 13th was a generally sunny day except in the south-east where there were scattered showers which were heavy in the extreme east of Kent during the afternoon and evening; at Manston 0.46 in. fell in 10 mins. The 15th to 18th was a wet period, rain being heavy at times on the 16th as a small depression moved eastwards along the English Channel; many stations from the Isle of Wight eastwards along the south coast recorded over an inch of rainfall. The night of the 17th/18th was stormy with widespread gales; rain was heavy at times with falls exceeding 1 inch in parts of south-west Scotland. The next two days were sunny and warm over the southern part of the country but a depression from the Atlantic brought heavy thundery rain to many parts of the country on the 21st as it moved eastwards across central England. The rain did not clear eastern districts until the morning of the 22nd when 0.72 in. was recorded at Watnall between 0700 and 0800 G.M.T. Fronts associated with a complex low pressure area moving slowly eastwards between Scotland and Iceland gave persistent rain in many districts from the 23rd to the 25th but south-east England was mostly dry on the 24th.

Pressure rose steadily over the British Isles on the 26th and apart from the extreme north of Scotland weather became sunny and mainly dry nearly everywhere though there were a few scattered showers in the west and north. Sunny weather with progressively increasing day temperatures continued over England and Wales for most of the rest

of the month; there were outbreaks of thundery rain in the south-east, however, on the 29th.

**Pressure and Wind** — Mean pressure was everywhere below the average, the deficit at 9h ranging from 4.2 mb at Tiree to 1.2 mb at S. Farnborough and Gorleston. Surface winds were generally light and variable during the first ten and last four days of the month, otherwise they were mainly between south and south-west. Gales were fairly widespread on the 18th and gusts of 64 kt and 62 kt were recorded at Blackford Hill (Edinburgh) and Jersey Airport respectively on the 16th.

**Temperature** — In Scotland there were only a few really warm days, mainly around the 9th and 29th, with temperature above 20°C. Nights were generally very mild after the 12th. In England and Wales the warmest days were around the 3rd, 6th, 9th-15th and 29th-30th with temperature locally 9°C above average. The coldest nights were during the first week; air frost was recorded in parts of North Wales on the 2nd and East Anglia on the 4th.

Extremes included: (England and Wales) 26.1°C at Nottingham on the 11th, -1.7°C at Santon Downham on the 4th; (Scotland) 24.4°C at Cannich and Stirling on the 9th, -2.2°C at Whitehillocks on the 1st; (Northern Ireland) 23.9°C at Derrynoyd Forest on the 29th, 0.6°C at Loughermore Forest on the 3rd.

**Rainfall** — It was a wet month generally. In Scotland rainfall was twice the average in parts of the north-west, the Western Highlands and the Southern Uplands, but was below the average over much of the north-east just north of the Grampians. In England and Wales rainfall was more than twice the average in parts of Nottingham, Anglesey, South Wales, the Isle of Wight and Dorset. It was below the average over most of north-east England, including the Estuary of the Humber, over parts of Cumberland, Lancashire, Cheshire and the Home Counties north of London.

Thunder was heard on 9 days in Scotland and on the 1st, 5th-8th, 15th, 16th, 21st-23rd, 29th and 30th (12 days) in England and Wales. Thunderstorms were widespread on the 7th and 21st in east and south-east England and on the 6th in central England.

**Sunshine** — In Scotland it was particularly dull in the north-east, some western coastal districts and in parts of the Southern Uplands with deficits of between 40 and 70 hours. Fortrose had its dullest June since 1916. In England and Wales a few places in the north and Midlands had more than average sunshine but most places recorded 80 to 95 per cent of the average. Amounts ranged from 69 per cent at East Malling and Swansea to 111 per cent at Sutton Bonington.

**Fog** — Fog was observed at 9h at one place or another on 27 days in Scotland and on the 1st-15th, 18th, 22nd, 23rd, 25th and 29th in England and Wales where it was rather infrequent mostly occurring on one or two mornings only at any one place.

**Miscellaneous Phenomena** — The aurora was not seen during the month.

TABLE 1—DISTRICT VALUES—

JUNE,

1965

(1908, revised 1928, 1941, 1956 and 1964)

DISTRICTS	AIR TEMPERATURE					EARTH TEMP.		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 1 ft.	Mean 4 ft.			
	Difference from Average							% of Average		
0 SCOTLAND, N.	20.0	3.8	-0.1	+0.6	+0.2	-	-	+2	114	71
1 SCOTLAND, E.	23.9	2.8	-0.1	+0.6	+0.3	-	-	+2	117	86
2 ENGLAND, N.E.	23.9	1.7	0.0	+0.2	+0.1	-0.3	-0.1	-1	87	90
3 ENGLAND, E.	23.9	0.0	-0.8	-0.1	-0.5	-0.3	-0.2	+1	121	84
4 MIDLANDS	26.1	3.9	-0.3	+0.2	-0.1	0.0	+0.1	+1	143	99
5 ENGLAND, S.E.	24.0	2.8	-1.0	-0.3	-0.7	-0.7	-0.3	+2	124	78

\*Highest Max. and Lowest Min. of the District Value Stations.

DISTRICTS	AIR TEMPERATURE					EARTH TEMP.		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 1 ft.	Mean 4 ft.			
Difference from Average								% of Average		
6 SCOTLAND, W.	22.9	1.1	-0.4	+0.6	+0.1	+0.3	-0.1	+2	144	80
7 ENGLAND, N.W. and N. Wales	23.3	2.2	-0.1	+0.3	+0.1	-0.7	-0.3	+1	107	105
8 ENGLAND, S.W. and S. Wales	24.4	3.3	-0.8	-0.3	-0.5	-0.5	+0.2	+3	154	88
N. IRELAND	22.9	1.8	-0.1	-0.1	-0.1	-	-	+5	140	83
SCOTLAND	23.9	1.1	-0.2	+0.6	+0.2	-	-	+2	137	79
ENG. and WALES	26.1	0.0	-0.5	-0.2	-0.3	-	-	+1	129	91

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