

June 2023

High pressure centred out to the northwest of Ireland and low pressure over Central and Southern Europe ensured a continuation of the dry weather experienced locally for the last 17 days of May, through to the first week or so of June. Whilst it remained dry and bright for the most part, brisk northeasterly winds down the Channel pegged daytime air temperatures back to the mid teens.

Gradually that high transitioned north and east towards Scandinavia to allow our winds to back in to the southeast by the 8th. As a consequence, warmer continental air encouraged air temperatures up over 20°C for the first time this year on the 9th as this warmer flow stretched up in to southwestern parts of the UK as well. Hazier conditions with more extensive cloud and a scattering of showers accompanied this warmer plume of air with the first of drops of rain falling early afternoon on the 9th. These showers continued through the evening and overnight in to the 10th but mostly light in nature with just 0.2mm in total recorded at the airport. Further showers that morning, together with mist and fog patches, cleared by lunchtime to allow some brightness for the afternoon. Those showers yielded 1.1mm of rain to break the drought of the last 26 days. Fog returned again overnight before burning back to the coasts by mid morning on the 11th.



Spectacular evening sky on the 10th with *Altocumulus* showing signs of *Mamma* below the main base. *Cumulonimbus* clouds were observed to the south of the island. Photo credit Laura Johns.

With low pressure now out in the near Atlantic and that high now well up over western Russia, temperatures rose significantly to the low 20's°C by the 13th as we enjoyed that warmer continental feed from nearby France. This warm, humid air coming up over the cooler waters of the Channel lead to extensive areas of sea fog which encroached inland overnight before burning back to the coasts the following morning. The 14th saw our winds briefly back to a light northeasterly with drier air leading to improved visibility and clearer skies and indeed the next few days continued in much the same vein, occasionally with a tad more high cloud, but generally bright, dry and warm.

That low out to the west finally started to make inroads late on the 16th as a weak front edged in to the western Channel. Cloud increased that evening with a couple of isolated light showers overnight but the 17th dawned bright with warm, hazy sunshine through the day. Patchy fog around dawn on the 18th cleared away to leave a cloudier day in the islands with a scattering of light showers through the afternoon but with mist and fog returning once more that evening.

As that old low edged up over the UK a rather active new system started to make its way up through Biscay and into the Western Channel. Thickening medium level cloud through the late afternoon of the 19th brought some light showers to our shores by mid evening, but they became heavier overnight before clearing by 0300hrs on the 20th. With some 9.5mm of rain recorded at the airport in the 24 hours ending 1000hrs on the 21st, this was the wettest day locally since the 8th May. Any residual fog cleared by mid morning and by noon we were back to clear skies and temperatures up to 21°C as slack pressure covered the area following the clearance northeast of last night's little low.

Indeed, we enjoyed a rather pleasant spell over the next few days with light winds and clear skies by day allowing temperatures to peak in the low to mid 20's but with misty, occasionally foggy, early mornings until mid way through the 23rd. A weak cold front pushing in from the west marked the boundary between warm, humid air currently over the islands, and a slightly cooler, fresher air mass moving in from the Atlantic.

This front edged slowly in from the Channel Approaches during the morning of the 25th and our winds duly veered in to the west around midday and freshened for a while before easing down that evening. A light shower in the early hours of the 26th brought a few drops of rain but the day dawned with extensive high cloud making sunshine hazy at times although temperatures did manage 20°C. Ridge conditions pushing up from the southwest encouraged a low pressure system to stay well to the north of the islands for the next day or so but by the 28th that ridge had broken down to allow a weak cold front to drop down in to the Channel. Cloudier and hazier conditions together with extensive sea fog around the Bailiwick led to the first day without any sunshine since the 8th May and the first day in over 2 weeks when we failed to make 20°C.

Those fronts cleared through overnight and the 29th dawned bright with any residual cloud disappearing over the eastern horizon by late morning as an extensive belt of high pressure became established to the north of the Azores. Plenty of sunshine and excellent visibility prevailed for the remainder of the day then, with a moderate to fresh northwesterly flow across the islands.

There was still an unsettled look to the charts despite this Azores High out to the southwest, as a series of quite active fronts swept in over the northern periphery of that anticyclone to bring thickening cloud overnight in to the 30th with the first few drops of rain arriving for the morning commute. The cloud base continued to lower through the day with drizzle, mist and patchy hill fog that thickened up for the evening to close out the month on a rather gloomy note.

Despite the rather dull and damp finish to the month, June turned out to be drier and brighter than average, and with a mean monthly temperature of 16.7°C, the 3rd warmest June on record after 1846 (17.3°C) and 1976 (also 16.7°, but fractionally warmer on rounding). With only 38.4% of the average rainfall it was the driest for 5 years and with 272.4 hours of sunshine, the sunniest since 2015. The mean monthly minimum temperature came in at 13.5°C, the highest recorded figure for June since records began at the airport.

DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER			
		hPa	AIR			GRASS	SOIL		DIR'N	SPEED(knots)							
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm		hrs		
Thu	1	1022.3	15.1	11.4	13.3	11.2	15.6	14.5	060	17	16.1	31	NIL	6.7	Cloudy until mid pm, then fine		
Fri	2	1022.7	14.5	10.6	12.6	9.6	15.5	14.5	070	16	14.1	29	NIL	8.0	Cloudy, bec fair by midday then fine pm		
Sat	3	1021.5	16.4	10.1	13.3	7.7	15.9	14.5	050	09	11.9	26	NIL	7.6	Cloudy bec fine		
Sun	4	1020.9	17.8	12.0	14.9	10.0	15.5	14.5	060	15	13.6	30	NIL	14.2	Fine		
Mon	5	1022.0	15.4	11.3	13.4	9.5	15.9	14.5	060	14	12.9	27	NIL	6.7	Cloudy until early pm then bec fine		
Tue	6	1020.8	15.8	10.9	13.4	9.3	15.9	14.6	060	15	13.3	27	NIL	9.6	Cloudy until late am then fine		
Wed	7	1018.2	16.5	11.9	14.2	11.0	16.2	14.6	050	10	14.6	30	NIL	10.7	Cloudy with mist and haze am, becoming fine pm		
Thu	8	1014.3	17.7	12.8	15.3	11.6	16.9	14.7	070	13	14.7	27	NIL	12.8	Hazy sunshine		
Fri	9	1009.5	20.3	13.5	16.9	12.7	17.0	14.8	060	14	10.6	27	0.2	1.2	Cldy with haze am. Occn light show ers from early pm		
Sat	10	1012.5	19.0	15.6	17.3	14.4	16.9	14.9	290	03	5.7	16	1.1	3.0	Cldy with shw rs, mist & fog clrng to fair eve		
Sun	11	1016.4	19.4	13.6	16.5	13.2	17.1	14.9	250	07	7.5	14	TR(FOG)	7.6	Cldy bec fine pm. Coastal fog ptchs bec xtnsv early am and eve		
Mon	12	1016.0	19.0	13.2	16.1	12.5	17.5	15.1	280	10	6.3	14	NIL	8.4	Fog, mist & haze until late am, then mainly fine pm		
Tue	13	1013.4	22.2	12.5	17.4	9.1	17.9	15.1	340	07	5.8	12	NIL	14.5	Early fog bec fine. Dry air pm		
Wed	14	1016.4	21.8	13.3	17.6	11.1	17.7	15.3	060	04	6.7	18	NIL	14.3	Fine, thin high cloud later		
Thu	15	1019.5	24.9	12.5	18.7	8.1	17.9	15.5	070	06	5.6	14	NIL	14.6	Fine. Dry air am		
Fri	16	1019.2	24.4	13.5	19.0	8.3	18.3	15.6	100	04	4.4	12	TR	9.8	Cloud clrng mid am to fine with dry air. Bec cloudy by eve		
Sat	17	1014.0	23.1	15.3	19.2	12.4	19.0	15.8	310	03	3.7	09	NIL	9.2	Isolated show er early am, bright but extensive high cloud		
Sun	18	1009.8	20.1	14.6	17.4	9.4	19.4	15.9	290	03	4.5	11	0.3	2.3	Fog/mist am, hazy sunshine with show ers pm. Fog/mist eve		
Mon	19	1012.1	21.8	14.1	18.0	11.8	18.5	16.1	180	08	7.7	17	9.5	7.9	Cldy bec fair pm. Shw rs late eve		
Tue	20	1008.3	21.1	14.9	18.0	14.0	18.6	16.2	330	08	8.5	24	NIL	10.4	Hvy shw rs clrng by 0300, mist & fog to mid am. Fine pm		
Wed	21	1017.3	21.9	14.2	18.1	13.1	18.9	16.2	190	10	6.3	14	NIL	11.0	Early morning fog and low cloud, soon clearing to become fine		
Thu	22	1020.0	20.7	14.6	17.7	12.1	19.3	16.4	300	05	6.8	17	NIL	12.2	Coastal mist and fog clearing early pm to fine		
Fri	23	1026.5	22.1	15.2	18.7	11.3	19.2	16.5	240	07	5.8	14	TR(DEW)	11.5	Mist & fog patches became fine late am		
Sat	24	1025.2	24.9	14.2	19.6	10.0	20.0	16.6	130	07	7.7	21	NIL	14.3	Early morning fog bec fine. Dry air & xInt viz pm		
Sun	25	1014.8	23.3	16.4	19.9	15.6	20.0	16.8	220	11	13.1	27	TR	14.2	Fine but fair/cldy late am		
Mon	26	1023.5	20.0	14.8	17.4	11.4	19.3	16.9	290	11	9.7	19	NIL	10.9	Show er early am. Xtnsv high cloud from early am		
Tue	27	1024.4	20.3	14.2	17.3	10.9	19.0	16.9	230	10	8.1	16	NIL	6.3	Xtnsv medium and high level cloud with a brief fair spell pm		
Wed	28	1020.5	19.5	16.1	17.8	14.9	19.0	17.0	220	07	7.7	14	0.6	NIL	Cldy with mist and fog, drizzle eve		
Thu	29	1018.3	19.8	14.9	17.4	14.2	18.6	17.0	330	10	10.0	21	0.7	12.4	Cldy with early rain, mist & fog bec fine by midday. XInt viz		
Fri	30	1016.9	16.9	12.1	14.5	7.6	17.9	16.9	220	14	12.3	25	6.0	0.1	Bec cldy by dawn with rain & drz, also mist & fog pm & eve		
MEAN	1017.9	19.9	13.5	16.7	11.3	17.8	15.6	NE	9.3	9.2	TOTAL	18.4	272.4				
30 YEAR AVG	1017.8	17.7	11.8	14.8	9.6	16.2	14.4	W	10.2	9.9	/////	47.9	245.9				
EXTREMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO				
ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET				FROST	FROST		9a.m.		SUN				
BOLD TYPE	WITH	7	3	0	0	0	0	0	0	13	1	0	1	TOTALS FOR YEAR TO DATE			
RECORDS FROM JANUARY 1947														RAINFALL	376.9 mm	SUNSHINE	996.5 hrs
WETTEST DAY	46.8mm	DRIEST MONTH	0.6mm	LOWEST MIN	5.4°C	WARMEST MNTH	16.7°C	SUNNIEST MNTH	355.3hrs	RAIN DAYS	80	SUNLESS I	26				
DAY/YEAR	16th/1970	YEAR	1976	DAY/YEAR	1st/1975	YEAR	1976	YEAR	1975	WET DAYS	59						
WETTEST MNTH	129.7mm	HIGHEST MAX	30.8°C	LOWEST GRASS	-3.0°C	COLDEST MNTH	11.3°C	DULLEST MNTH	147.8hrs								
YEAR	1986	DAY/YEAR	26th/1976	DAY/YEAR	14th/1987	YEAR	1972	YEAR	1977								