

## June 2024

The start of Meteorological summer saw an extensive anticyclone off the west coast of Ireland extending east over the UK with a cool northerly flow down across the country. More unsettled conditions prevailed across central and eastern parts of Europe but we enjoyed clear skies and light to moderate northerly winds across the islands through the 1<sup>st</sup>, albeit with air temperatures just a shade below average, topping out at just 16°C.

Cloud within the general circulation occasionally took the edge off our sunshine but that high maintained its influence until later on the 3<sup>rd</sup>, before easing back westward to allow a series of fronts to drop down over the UK and giving rise to a scattering of light showers for the afternoon of the 4<sup>th</sup>. The low responsible for these fronts was centred just off the east coast of Iceland as its fronts cleared south into Brittany so our skies brightened by dawn on the 5<sup>th</sup> with a continuation of this rather cool airflow.

As the low filled and that Atlantic anticyclone re-exerted its influence from the west, clear skies and light winds overnight into the 6<sup>th</sup> saw air temperatures dip to just 9.3°C by dawn. Thickening cloud brought a few light showers to our shores that morning but they cleared to the southeast by midday to leave us with a fine afternoon. The ridge continued to extend into the Southwest Approaches for the 7<sup>th</sup> as well, and despite some weak weather fronts skirting to the north of the islands we enjoyed another fine day but again temperatures a tad below average at just 16°C. Those same weak fronts finally edged into the Channel during the course of the morning of the 8<sup>th</sup> with a few spots of rain but skies cleared readily through the afternoon as those fronts cleared to the southeast.

That mid-Atlantic high maintained its influence across the islands for the 9<sup>th</sup> as well, but it was still a cool northwesterly flow, and despite some 14.7 hours of recorded sunshine we managed only 16.9°C up at the airport. A more active cold front made progress south across the UK overnight into the 10<sup>th</sup> as a small low ran down the North Sea to be centred near the Dover Straits by dawn. The associated front yielded 0.3mm of rain from just after dawn to around mid morning, the first recordable rainfall amount this month. Again, clearing skies by noon brought excellent visibility across the islands, but still a tad on the cool side.

High pressure once again filled in across the UK with a return to clearer but slightly cooler conditions for the next few days. By the end of the 12<sup>th</sup> that high had slipped away to the south, allowing a series of Atlantic fronts to paint a more unsettled look to the charts. Cloud thickened from the west during the morning of the 13<sup>th</sup>, with rain nudging in slowly to arrive early that afternoon. Thankfully the cloud base stayed high enough for a successful Air Display off St Peter Port, with the rain arriving just as the show finished.



Jersey Met Office rain radar showing an advancing band of rain just before noon on the 13<sup>th</sup>

That rain became persistent through the afternoon, mixing with drizzle and mist through the evening before clearing in the early hours of the 14<sup>th</sup>. A few light showers rolled up the Channel around dawn before becoming more widely scattered that afternoon and evening as the low centred itself off the northwest coast of Scotland with a fresh southwesterly flow across the islands. This pattern continued through the 15<sup>th</sup> with further blustery showers and it wasn't until late morning on the 16<sup>th</sup> that conditions started to improve as that low filled and eased away over the North Sea.

It was a brief respite however, as the next low out in Biscay started to develop and push northeast across northern France. The associated fronts extended up into the Channel sufficiently to give us rain by late evening on the 17<sup>th</sup> which cleared the next morning with just a few residual showers that afternoon. Our winds had eased off too and veered into the north but air temperatures still reluctant to climb much above the mid teens.

With high pressure extending a ridge up across central and northern parts of the UK from the southwest, and shallow low pressure over Biscay and France, we settled into a run of northeasterly winds for the next couple of days with dry, bright, pleasant conditions with temperatures reaching 19.0°C on the 20<sup>th</sup>. That high slipped away southward by the 21<sup>st</sup> however, allowing an active cold front to sweep in from the west as low pressure once again brought another spell of unsettled weather to our shores. That front arrived mid evening with rain turning to drizzle overnight with mist and hill fog at times before clearing to the east well before dawn on the 22<sup>nd</sup>. Drier and brighter conditions prevailed for the rest of the day as a transient ridge stretched up from France but a quasi-stationary front out in the Southwest Approaches introduced cloud thick enough for some patchy rain and drizzle through the small hours of the 23<sup>rd</sup> and the residual cloud shield only cleared the islands later on that afternoon. Much warmer air was being pulled in from the south as well, with air temperatures nudging up into the low 20's.

An extensive belt of lower cloud affected the Bailiwick from late on the 23<sup>rd</sup> and it wasn't until some 24 hours later that we saw it drift slowly away to the northwest late afternoon on the 24<sup>th</sup>. Light winds off the nearby Continent again helped temperatures climb rapidly by day as we enjoyed a rather pleasant, warm and settled spell of weather. Four consecutive days from the 23<sup>rd</sup> to the 26<sup>th</sup> saw air temperatures exceed 20°C with a maximum figure of 25.0°C reached during the afternoon of the 26<sup>th</sup>. The 25<sup>th</sup> also recorded 15.0 hours of sunshine, the sunniest day locally since 15<sup>th</sup> July 2022.

Low pressure off the northwest coast of Ireland was starting to affect the UK by the 26<sup>th</sup>, with a series of fronts making their way across the UK and down into the Channel. A rather weakened cold front arrived locally late morning on the 27<sup>th</sup> with low cloud, mist and some patchy drizzle affecting the islands before clearing to the southeast by early afternoon. Early evening saw the best of the sunshine but with a cooler, fresher, westerly flow now coming in off the Atlantic, temperatures were back to more seasonal levels around the mid to high teens. That low tracked eastward to the north of Scotland during the 28<sup>th</sup> but with a ridge building from the Azores we enjoyed a peasant day on the 29<sup>th</sup> with light winds, although extensive high cloud made the sunshine a tad hazy at times.

Weak fronts arrived in the local area around mid morning on the 30<sup>th</sup>, with cloud rapidly thickening and lowering leading to mist and hill fog patches together with some patchy drizzle. The offending front cleared shortly after midday but the sun was reluctant to make an appearance until later that afternoon, but at least we closed out the month on a bright note.

After a cool first half of the month, temperatures picked up for the last couple of weeks resulting in a mean temperature for the month marginally above the long term average, although it was the coolest June for 8 years. At just 13.9mm of rain it was the driest June since 2018 with 15 days through the month with no rainfall recorded. At 305.7 hours of sunshine this was the sunniest June for 10 years and only the 4<sup>th</sup> time this century that this month has exceeded 300 hours of sunshine. Mid morning on the 30<sup>th</sup> saw the only period of fog at the airport making this the least foggy June, equal with 1975, since records began at the airport.

JUNE 2024

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				
Sat	1	1025.5	16.0	11.3	13.7	9.4	15.7	14.5	020	13	8.5	21	NIL	13.5	Fine bec cloudy by evening	
Sun	2	1028.2	17.0	11.1	14.1	8.5	15.9	14.6	030	09	7.0	19	NIL	12.6	Some early cloud soon becoming fine	
Mon	3	1024.0	18.2	11.9	15.1	9.5	16.2	14.7	360	08	6.8	14	NIL	14.4	Fine with inc high cloud thru the day. Msty eve	
Tue	4	1015.8	16.4	12.4	14.4	10.5	16.7	14.8	290	07	10.7	23	TR	0.2	Cloudy with isol shw rs pm	
Wed	5	1015.8	16.6	10.6	13.6	7.7	16.2	14.9	360	07	6.3	14	NIL	14.2	Fine with dry air	
Thu	6	1019.4	16.6	9.3	13.0	5.1	15.9	14.9	270	09	6.6	17	TR	10.3	Fair to cldy with isol shw rs am bec fine pm & eve. Dry air	
Fri	7	1022.4	16.2	9.4	12.8	4.8	15.7	15.0	270	06	6.6	17	TR	13.9	Fine occn fair @ midday. Dry air	
Sat	8	1015.8	17.2	10.8	14.0	7.5	15.9	15.0	310	09	7.1	17	NIL	10.0	Cldy with isol shw rs am bec fair mid pm then fine. Xlnt viz	
Sun	9	1015.9	16.9	10.6	13.8	6.7	16.0	15.1	340	09	8.9	19	0.3	14.7	Fine, with dry air late am and early pm	
Mon	10	1013.2	15.8	11.1	13.5	10.5	16.7	15.1	340	13	10.2	24	NIL	10.8	Cldy with patchy rain bec fine later	
Tue	11	1020.4	16.1	10.6	13.4	7.2	15.9	15.1	340	12	8.2	18	NIL	14.2	Mainly fine occ fair am. Good viz and dry air pm	
Wed	12	1023.3	15.7	9.8	12.8	5.6	15.9	15.2	330	08	7.1	15	NIL	14.1	Fine. Dry air & xlnt viz	
Thu	13	1015.3	14.5	9.9	12.2	4.6	15.7	15.2	180	13	12.6	30	3.9	NIL	Cldy with rain from early pm, occn drz late pm & eve	
Fri	14	1005.2	17.2	11.1	14.2	10.3	15.4	15.3	220	16	15.4	28	4.9	7.8	Cldy. Early rain clrng to fair with shw rs mid am. Cldy with shw rs pm	
Sat	15	1003.9	16.8	9.9	13.4	8.2	15.7	15.2	240	20	18.9	35	0.7	3.7	Cldy occn fair with sct shw rs am bec isol pm	
Sun	16	1005.2	17.2	11.9	14.6	11.1	15.2	15.1	250	14	11.6	24	NIL	8.1	Cldy with isol shw rs early am. Bec fair mid pm, occn cldy eve	
Mon	17	1011.1	19.0	12.1	15.6	10.5	15.9	15.1	170	05	5.4	13	1.3	8.7	Fair to cldy with rain by late eve	
Tue	18	1013.0	17.8	13.5	15.7	13.3	16.8	15.1	040	08	7.1	17	TR	2.1	Cldy with rain until mid am bec fair late eve	
Wed	19	1018.7	17.7	12.9	15.3	11.3	17.0	15.2	050	13	12.7	30	TR	12.8	Fine occn fair am	
Thu	20	1018.8	19.0	13.3	16.2	12.6	17.1	15.3	050	12	9.3	21	NIL	13.9	Cldy with early light shw r bec fine mid am	
Fri	21	1016.8	18.2	12.3	15.3	6.7	17.1	15.4	240	07	10.0	27	2.7	8.8	Fine with early sea fog ptches bec cldy pm with rain mid eve	
Sat	22	1016.0	18.2	12.9	15.6	11.6	16.8	15.5	290	14	10.5	20	TR	12.2	Rain & drz early am, bec mainly fair occn cldy mid pm	
Sun	23	1020.9	21.4	12.3	16.9	10.5	17.5	15.6	150	06	4.7	10	NIL	9.2	Cldy with early drz & mist soon clrng, bec fine by mid pm	
Mon	24	1020.7	22.4	13.3	17.9	10.8	17.8	15.6	070	07	5.0	12	NIL	5.5	Cldy am bec fine from mid pm. Xlnt viz	
Tue	25	1016.1	22.0	12.6	17.3	9.1	17.9	15.8	040	07	6.7	16	NIL	15.0	Early shallow fog, otherwise fine	
Wed	26	1013.0	25.0	14.7	19.9	12.7	18.4	15.9	090	08	5.9	18	NIL	14.7	Fine with dry air, bec hazy late eve	
Thu	27	1012.6	18.6	14.2	16.4	13.0	18.9	16.1	260	12	12.6	25	TR	7.9	Cldy with occn drz late am bec fair then fine by eve	
Fri	28	1019.6	18.6	12.5	15.6	10.2	17.8	16.2	300	12	8.9	20	NIL	10.2	Fair with occn dry air	
Sat	29	1015.6	18.7	10.9	14.8	6.1	17.0	16.3	010	04	6.0	15	TR	14.8	Fair with xtnsv high cloud. Dry air	
Sun	30	1014.8	19.3	13.3	16.3	11.4	17.6	16.2	290	11	8.7	17	0.1	7.4	Mainly cldy with mist, drz & fog ptches am. Cldy pm, bec fine mid eve	
MEAN		1016.6	18.0	11.8	14.9	9.2	16.6	15.3	N	10.0	8.9	TOTAL	13.9	305.7		
30 YEAR AVG 1991-2020		1017.8	17.7	11.8	14.8	9.6	16.2	14.4	W	10.2	9.9	////	47.9	245.9		
EXTREMES ARE IN BOLD TYPE		NUMBER OF DAYS WITH	RAIN ≥0.2mm 6	WET ≥1.0mm 4	SNOW/ SLEET 0	HAIL 0	THNDER 0	LGHTNG 0	AIR FROST 0	GROUND FROST 0	FOG 1	FOG 9a.m. 0	GALE 0	NO SUN 1	TOTALS FOR YEAR TO DATE	
RECORDS FROM JANUARY 1947																
WETTEST DAY		46.8mm	DRIEST MONTH		0.6mm	LOWEST MIN		5.4°C	WARMEST MNTH		16.7°C	SUNNIEST MNTH		355.3hrs	RAINFALL 398.3 mm	SUNSHINE 1018.2 hrs
DAY/YEAR		16th/1970	YEAR		1976	DAY/YEAR		1st/1975	YEAR		1976	YEAR		1975	RAIN DAYS 88	SUNLESS 28
WETTEST MNTH		129.7mm	HIGHEST MAX		30.8°C	LOWEST GRASS		-3.0°C	COLDEST MNTH		11.3°C	DULLEST MNTH		147.8hrs	WET DAYS 66	
YEAR		1986	DAY/YEAR		26th/1976	DAY/YEAR		14th/1987	YEAR		1972	YEAR		1977		

