

Annual Weather Statistics for Ansty Parish 2021

Temperatures

The yearly average temperature for this year was 10.6 C – only 0.6 C above the long-term average – so not a record-breaking warm year thank goodness. Bear in mind that it has been a very long time since we saw the mean annual temperature actually dip below the long-term average! January was quite cold but the winter was generally relatively mild with a couple of days of lying snow (just) but we had an unusually cold April largely down to clear skies and many sharp frosts – into May in fact. The lowest temperature recorded was -6.1 C on the 11th January. There were 67 night-time frosts – well above the long-term average of 50. The summer was nothing to write home about either – no real heatwaves and subdued temperatures throughout. The highest temperature recorded was 31.5 C on the 21st July – it turned out to be a one day heatwave. It will be interesting to see what the annual average global temperatures turn out to be. One's perception is that it is likely to be in another 'warm' category ...

Precipitation

The annual rainfall total for this year was 'bang on' average when looking at the long-term figures. What is very noticeable these days is how that rainfall is delivered and these days we perceive that our rain is more often arriving in the form of heavy dense downpours: not so much thundery – just heavy like water drops emanating from a watering can rose! Here in Wiltshire, we also seem to get more grey days with cloud and drizzle falling for days at a time - the kind of weather that Devon, Cornwall, and west Wales have been used to for longer: the maritime conditions are penetrating further east. This ties in with the fact that the annual relative humidity figures this year was 87% - very humid indeed and these figures have been slowly rising year on year for the last 2 or 3 decades. Having said that we did get 182 days of bright sunshine and 149 days of precipitation this year. October was the wettest month by far and 3 inches of rain fell in a 36-hour period causing local floods.

Wind Speed and Direction

As our weather station is in a sheltered valley our winds do not reflect the general pattern of wind direction over our parish, so this year we have used the Wind Direction as recorded by the professional weather station at Boscombe Down. We have included our local wind speeds but of course, down in the Coombe it is sheltered, and we reckon that you can easily double the wind speed for our more open areas and on top of the hills! This year we twice recorded wind gusts of over 30 mph (in May and November) and these values would easily translate to 60+ mph in our more exposed areas. Indeed, on both occasions some branches and small trees did come down.

All in all – a more 'average year' than what we have been used to over the last decade or two.

ANSTY MONTHLY SUMMARY NOTES FOR 2021	
JAN	TWO COLD SESSIONS AND TWO MILD SESSIONS = AVERAGE MONTHLY TEMPERATURES; OFTEN CLOUDY; RATHER ABOVE AVERAGE PRECIPITATION; 2 DAYS OF LYING SNOW; 14 NIGHT FROSTS – SOME QUITE SHARP
FEB	MOSTLY MILD THROUGHOUT EXCEPT FOR AN 8 DAY COLD SESSION WITH SHARP FROSTS AND NOTABLE WIND CHILL; OVERALL A MILD MONTH; AVERAGE MONTHLY PRECIPITATION. QUITE SUNNY FOR FEBRUARY.
MAR	ANOTHER MILD MONTH; BELOW AVERAGE RAINFALL; 9 NIGHT FROSTS; 16 SUNNY DAYS IN MARCH – EXCEPTIONALLY MILD AT END OF MONTH.
APR	A COOL MONTH WITH 19 NIGHT FROSTS – OFTEN SHARP – BUT GENERALLY MILD BY DAY! AVERAGE MINIM TEMPERATURE FOR THE MONTH WAS -0.4 C! EXCEPTIONALLY DRY TOO WITH LOW HUMIDITY AS WELL
MAY	A COOLISH MONTH – RATHER BELOW AVERAGE MONTHLY TEMPERATURE; VERY WET INDEED WITH NEARLY TWICE THE AVERAGE MONTHLY PRECIPITATION – 20 DAYS OF RAIN; 3 NIGHTTIME FROSTS; LAST WEEK WARM DRY AND VERY SUNNY.
JUN	A SUNNY MONTH – EXCEPT FOR ONE MURKY WET SPELL MID MONTH; RATHER ABOVE AVERAGE MONTHLY TEMPERATURES; AVERAGE RAINFALL AMOUNTS (9 DAYS).
JUL	A ‘BALMY’ MONTH: ABOVE AVERAGE TEMPERATURES (1.7 c ABOVE AVERAGE); WELL ABOVE AVERAGE RAINFALL; A SUNNY MONTH WITH A SPELL OF 11 DAYS OF ALMOST UNBROKEN SUN. VERY HUMID FOR JULY
AUG	AVERAGE MONTHLY TEMPERATURES; BELOW AVERAGE RAINFALL; A RATHER CLOUDY MONTH- NOTABLY VERY HUMID; NOT THE BEST WEATHER FOR A HOLIDAY MONTH!
SEP	WARM BEGINNING BUT TAILING OFF; BELOW AVERAGE PRECIPITATION; 19 SUNNY DAYS: ONLY 6 RAIN DAYS; HUMID BY DAY THROUGHOUT.
OCT	A VERY MILD MONTH WITH WELL ABOVE AVERAGE TEMPERATURES FOR THE MONTH; EXCEPTIONALLY HUMID THROUGHOUT AND EXCEPTIONALLY WET TOO WITH A HUGE AMOUNT OF RAINFALL (7.60 INCHES) – 3” FELL IN A 36 HOUR PERIOD CAUSING LOCAL FLOODS
NOV	VERY AVERAGE TEMPERATURES FOR NOVEMBER; EXCEPTIONALLY DRY FOR THE MONTH LESS THAN 0.5”; FIRST FROST ON 3 RD – LATER THAN USUAL FOR AUTUMN. A COLD END TO THE MONTH WITH STRONG NE WINDS AND NOTABLE WIND CHILL; 6 FROSTS ALTOGETHER.
DEC	AN EXCEPTIONALLY MILD MONTH; AVERAGE MONTHLY RAINFALL; A VERY CLOUDY MONTH; FEW FROSTS AND VERY HUMID

ANSTY COOMBE WEATHER OBSERVATIONS 2021 STATISTICS

TEMPERATURE ° C

YEAR	MONTH	MEAN MAX ° C	MEAN MIN ° C	MEAN ° C	HIGHEST ° C	DAY	LOWEST ° C	DAY
2021	1	6.5	0.9	3.7	12.9	28	-6	1
2021	2	9	1.4	5.2	15.4	24	-6.1	11
2021	3	12.4	1.8	7.1	22.5	30	-4.4	8
2021	4	14.7	-0.4	7.2	20.4	20	-3.6	17
2021	5	16.3	5	10.6	24.4	31	-1.6	1
2021	6	21.9	10.2	16.1	27.1	14	4	23
2021	7	23.7	13	18.4	31.5	21	9.2	11
2021	8	21.5	10.9	16.2	24.2	22	5.7	27
2021	9	21.4	10.5	15.9	29.6	6	3.9	30
2021	10	16.4	7.8	12.1	20.2	10	3.1	22
2021	11	11.1	6.1	7.2	14.9	10	-2.2	29
2021	12	4.3	9.6	6.9	14.6	31	-3.3	22
Annual averages 2021		14.9	6.4	10.6	Night Frosts		67	
				0.6+C	Day Frosts		0	
					Annual Total Frosts 2021		67	
Long term annual averages (1981 -		14	6	10	Long term annual average total frosts (1981-2000)		50	

PRECIPITATION (in inches/mm)

				MAX		DAYS OF RAIN		
				OBSERVED		OVER		
YEAR	MONTH	TOTAL inches	TOTAL mm	DAY	DATE	0.01	0.1	1.00
2021	1	4.29	108.97	0.99	20	18	11	0
2021	2	2.75	69.85	0.42	14	18	9	0
2021	3	2.64	67.06	0.49	5	10	5	0
2021	4	0.45	11.43	0.37	28	3	1	0
2021	5	4.24	107.70	0.66	23	20	13	0
2021	6	2.35	59.69	0.63	28	9	6	0
2021	7	3.48	88.39	0.75	12	14	9	0
2021	8	1.13	28.70	0.33	5	10	3	0
2021	9	1.70	43.18	0.62	27	6	3	0
2021	10	7.60	193.04	2.08	20	14	10	3
2021	11	0.48	12.19	0.09	26	7	0	0
2021	12	3.67	93.22	0.70	25	20	11	0
						149	81	3
Annual Total 2021		34.78	883.41			Annual Total:		No. of Days of lying snow
		99%				Sun Days	Rain Days	
Average long term annual total (1981 - 2010)		35	889.00			182	149	2

WIND SPEED							Humidity	
YEAR	MONTH	AVG SPEED		MAX GUST		DATE	DOMINANT DIRECTION	MONTHLY
		mph	km/h	mph	km/h			AVERAGE %
2021	1	3.3	5.31	23.3	37.51	30	W	97.4
2021	2	3.5	5.64	24.2	38.96	7	SSW	88.2
2021	3	3.1	4.99	25.7	41.38	10	WSW	84.9
2021	4	3.0	4.83	22.0	35.42	25	N-NE	68.6
2021	5	2.7	4.35	32.3	52.00	3	SW	81.6
2021	6	2.3	3.70	17.2	27.69	21	SW	82.9
2021	7	2.1	3.38	17.7	28.50	30	SW	84.2
2021	8	2.3	3.70	25.9	41.70	24	WSW	87.8
2021	9	1.7	2.74	18.8	30.27	30	SSW	88
2021	10	2.1	3.38	24.4	39.28	21	SSW	93
2021	11	2.0	3.22	34.0	54.74	27	NW-SW	92.6
2021	12	2.5	4.03	24.4	39.28	28	SW	95.1
<p>Because of the sheltered nature and alignment of the coombe valley where this weather station is located and the surrounding slopes plus the encroachment of trees and new buildings we have decided to take our wind direction from the nearest professional weather station at Boscombe Down in Wiltshire. We still measure the wind speed in our area but the speed is generally half that found on the top of our local chalk downs or other exposed areas.</p>								<p>Annual Average Humidity %</p>
								87.0