

Table A. Average minimum, maximum and mean monthly and yearly temperatures and precipitations of the 30-year period 1971-2000 (data drawn from Scocco et al., 2016), and average minimum, maximum and mean monthly and yearly temperatures and precipitation of years 2001-2015 (single years and mean values, data drawn from the Cupi meteorological station, Visso - Province of Macerata, Italy).

Month	Min. T (°C)																
	1971-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2001-2015
Jan	-1.2	1.6	-1.2	-0.5	-1.6	-1.5	-2.7	3.1	1.6	-0.4	-2.0	0.4	-0.6	0.6	2.5	0.7	0.0
Feb	-0.5	0.0	2.7	-4.8	0.5	-4.3	-0.6	2.0	1.0	-1.2	-0.2	0.7	-4.0	-2.2	3.4	-0.7	-0.5
Mar	0.6	6.0	3.6	1.8	1.0	1.5	0.8	3.1	2.2	1.8	2.1	1.3	4.8	1.7	3.3	2.1	2.5
Apr	3.4	3.7	4.7	3.9	4.6	4.3	6.1	7.6	4.9	6.3	5.0	6.7	5.5	6.7	5.6	5.1	5.4
May	6.4	10.5	9.7	11.6	6.4	10.2	9.3	10.1	9.7	11.5	8.9	9.0	8.2	8.0	8.3	10.5	9.5
Jun	9.4	12.2	14.4	17.3	12.5	13.3	13.7	14.2	13.8	13.1	12.9	13.7	15.7	12.3	13.3	13.0	13.7
Jul	11.2	15.7	14.9	17.2	15.7	16.2	16.0	16.8	15.9	16.5	16.1	14.8	17.6	15.8	14.2	18.7	16.1
Aug	11.3	16.9	14.5	18.9	15.9	13.4	14.1	15.4	16.5	17.0	15.7	17.7	18.1	16.4	15.6	15.9	16.1
Sept	9.0	9.9	10.3	11.1	11.6	11.9	13.0	10.0	11.2	12.9	11.2	14.9	12.5	12.5	11.7	12.8	11.8
Oct	5.1	11.0	8.6	6.5	11.4	8.5	9.6	6.9	9.7	6.8	6.8	7.4	9.7	10.8	10.0	8.5	8.8
Nov	2.2	2.8	6.2	5.1	3.9	3.3	5.1	1.8	4.5	6.4	4.7	4.2	6.1	4.4	8.1	5.5	4.8
Dec	-0.2	-2.4	2.3	0.4	1.9	-1.0	2.3	-0.8	0.2	0.4	-0.7	2.0	0.0	2.4	1.4	3.5	0.8
Annual mean	4.7	7.3	7.6	7.4	7.0	6.3	7.2	7.5	7.6	7.6	6.7	7.7	7.8	7.5	8.1	8.0	7.4

Month	Max. T (°C)																
	1971-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2001-2015
Jan	6.2	6.8	5.2	5.3	4.3	3.8	2.9	9.6	8.0	4.8	3.3	6.1	5.9	6.6	8.6	6.9	5.9
Feb	7.3	7.2	10.2	1.5	7.4	1.7	5.7	8.7	8.1	5.3	6.0	7.0	1.9	4.3	10.4	5.5	6.1
Mar	10.1	14.0	12.3	10.5	8.6	9.7	7.7	9.7	10.0	9.8	10.2	8.4	13.6	9.0	10.9	9.0	10.2
Apr	13.4	12.6	13.0	13.3	11.7	13.4	15.1	17.0	13.7	14.0	13.7	15.4	14.4	16.0	14.1	14.1	14.1
May	18.4	19.1	18.9	21.5	15.9	19.7	19.5	20.0	18.9	22.0	17.3	18.9	17.8	16.8	17.3	20.7	19.0
Jun	22.1	23.8	24.7	27.2	22.4	23.1	23.7	24.5	23.0	22.1	22.5	23.5	26.7	22.0	22.5	22.8	23.6
Jul	25.7	27.4	25.2	29.1	26.9	27.2	27.2	29.2	27.0	27.1	27.3	25.6	29.2	26.5	23.9	29.8	27.2
Aug	24.8	29.0	23.8	29.1	27.0	23.1	24.2	27.2	28.7	27.1	26.5	28.2	29.8	27.5	26.1	26.9	26.9
Sept	21.0	19.9	18.4	19.3	20.9	19.5	21.6	20.0	20.2	21.4	20.2	25.1	21.2	22.6	20.0	21.2	20.8
Oct	16.0	19.4	16.6	13.7	18.7	15.4	18.0	13.6	17.1	15.0	13.4	14.8	17.1	17.9	17.0	14.7	16.2
Nov	11.2	9.3	12.9	11.3	9.9	9.3	12.5	8.3	10.4	13.3	11.2	10.4	11.7	9.8	14.4	12.6	11.2
Dec	7.5	3.4	6.7	6.2	7.2	4.3	8.4	4.7	6.2	5.7	5.9	7.4	6.4	8.7	6.8	10.4	6.6
Annual mean	15.3	16.0	15.7	15.7	15.1	14.2	15.5	16.0	15.9	15.6	14.8	15.9	16.3	15.6	16.0	16.2	15.6

Month	Mean T (°C)																
	1971-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2001-2015
Jan	2.5	4.2	2.0	2.4	1.4	1.2	0.1	6.4	4.8	2.2	0.7	3.3	2.7	3.6	5.6	3.8	2.9
Feb	3.4	3.6	6.5	-1.7	4.0	-1.3	2.6	5.4	4.6	2.1	2.9	3.9	-1.1	1.1	6.9	2.4	2.8
Mar	5.4	10.0	8.0	6.2	4.8	5.6	4.3	6.4	6.1	5.8	6.2	4.9	9.2	5.4	7.1	5.6	6.4
Apr	8.4	8.2	8.9	8.6	8.2	8.9	10.6	12.3	9.3	10.2	9.4	11.1	10.0	11.4	9.9	9.6	9.7
May	12.4	14.8	14.3	16.6	11.2	15.0	14.4	15.1	14.3	16.8	13.1	14.0	13.0	12.4	12.8	15.6	14.2
Jun	15.8	18.0	19.6	22.3	17.5	18.2	18.7	19.4	18.4	17.6	17.7	18.6	21.2	17.2	17.9	17.9	18.7
Jul	18.5	21.6	20.1	23.2	21.3	21.7	21.6	23.0	21.5	21.8	21.7	20.2	23.4	21.2	19.1	24.3	21.7
Aug	18.1	23.0	19.2	24.0	21.5	18.3	19.2	21.3	22.6	22.1	21.1	23.0	24.0	22.0	20.9	21.4	21.5
Sept	15.0	14.9	14.4	15.2	16.3	15.7	17.3	15.0	15.7	17.2	15.7	20.0	16.9	17.6	15.9	17.0	16.3
Oct	10.6	15.2	12.6	10.1	15.1	12.0	13.8	10.3	13.4	10.9	10.1	11.1	13.4	14.4	13.5	11.6	12.5
Nov	6.7	6.1	9.6	8.2	6.9	6.3	8.8	5.1	7.5	9.9	8.0	7.3	8.9	7.1	11.3	9.1	8.0
Dec	3.7	0.5	4.5	3.3	4.6	1.7	5.4	2.0	3.2	3.1	2.6	4.7	3.2	5.6	4.1	7.0	3.7
Annual mean	10.0	11.7	11.6	11.5	11.0	10.3	11.4	11.8	11.8	11.6	10.8	11.8	12.1	11.5	12.1	12.1	11.5

Month	Precipitation (mm)																
	1971-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2001-2015
Jan	66.0	122.2	12.4	119.6	97.0	82.6	101.6	51.0	55.2	46.2	131.6	55.4	21.2	124.2	108.2	165.2	86.2
Feb	88.0	47.6	73.8	45.0	101.4	60.4	69.2	76.0	24.6	72.2	121.4	57.8	60.2	101.6	85.0	147.8	76.3
Mar	94.0	99.0	9.8	71.8	41.0	86.6	125.6	80.2	228.4	73.2	56.6	183.6	13.4	136.4	132.4	136.8	98.3
Apr	135.0	132.0	84.6	53.2	175.6	158.0	89.8	46.2	124.0	120.2	130.6	29.4	122.8	105.8	97.0	42.2	100.8
May	112.0	113.2	124.0	47.4	145.6	78.0	37.4	83.8	71.4	72.6	108.6	53.8	83.6	161.8	133.6	87.4	93.5
Jun	72.0	20.8	36.0	68.8	46.6	45.4	53.2	41.4	99.2	123.8	76.2	49.6	13.6	58.0	60.0	67.8	57.4
Jul	41.0	20.2	75.4	47.6	60.0	26.0	22.4	2.8	11.2	50.2	54.8	93.8	68.8	22.2	82.4	17.0	43.7
Aug	64.0	3.0	165.2	144.4	49.8	114.0	106.4	12.2	178.8	95.6	41.8	20.2	7.2	26.2	7.4	37.4	67.3
Sept	81.0	154.6	107.2	73.6	148.6	64.4	106.0	83.2	80.0	45.6	85.8	44.6	230.8	88.4	124.0	73.0	100.7
Oct	91.0	20.0	83.2	197.0	95.4	84.4	22.2	160.8	65.8	135.2	112.0	76.8	115.4	89.0	73.2	228.4	103.9
Nov	118.0	125.4	82.0	49.8	129.0	266.2	39.8	59.6	179.8	129.4	249.4	13.8	186.4	493.6	100.0	86.0	146.0
Dec	115.0	38.8	387.4	38.4	138.6	177.6	27.8	151.2	237.6	160.1	135.6	121.4	115.0	127.4	40.8	2.4	126.7
Annual mean	1077.0	896.8	1241.0	956.6	1228.6	1243.6	801.4	848.4	1356.0	1124.3	1304.4	800.2	1038.4	1534.6	1044.0	1091.4	1100.6

Reference

Scocco, P., Piermarteri, K., Malfatti, A., Tardella, F. M., Catorci, A., 2016c. Increase of drought stress negatively affects the sustainability of extensive sheep farming in sub-Mediterranean climate. *J. Arid Environ.* 128, 50–58. <https://doi.org/10.1016/j.jaridenv.2016.01.006>