FEDERAL HYDROMETEOROLOGICAL INSTITUTE
OF BOSNIA AND HERZEGOVINA

CLIMATOLOGICAL ANALYSIS

Of

WINTER 2011-2012

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Mean air temperatures during the winter of 1 December 2011. to 29 February 2012. years) ranged from -7.8°C to -3.2°C Bjelasnica and the Ivan Sedlo in Stolac 3.1°C and 4.8°C in Mostar.
Temperature deviations from average values related to the period (1961-1990) were negative for all the observed areas, except where registered Gradačac positive bias. Temperature deviations from the average ranged from -2.8°C in Stolac to 0.4°C in Gradačac.
By percentage temperature values classified into categories of normal, cold, very cold and extremely cold.
December 2011 was warmer and colder in February 2012 compared to the average. January in central Bosnia and Herzegovina was colder in the northern and western Bosnia have registered a higher mean temperatures than average. The greatest deviations were registered in February and lowest in January.
Extremely cold in February recorded MS (Bihac, Bugojno, Ivan Saddle, Livno, Mostar, Sarajevo, Sanski Most, Chair, Tuzla and Zenica).

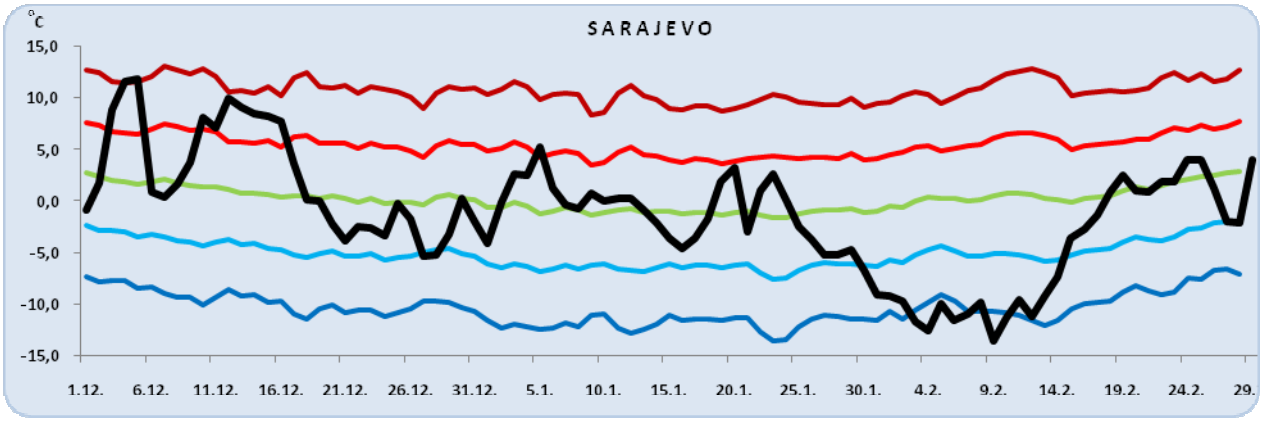
STATIONS	TEMPERATURE		STATIONS	TEMPERATURE	
	anomalies (°C)	percentil		anomalies (°C)	percentil
Bihać	-0,5	32	**Livno**	-1,3	13
Bjelašnica	-1,9	6	**Mostar**	-1,2	13
Bugojno	-0,7	26	**Sarajevo**	-1,5	13
Drvar	-0,9	19	**Sanski Most**	-0,7	27
Gradačac	0,4	55	**Stolac**	-2,8	0
Ivan Sedlo	-1,7	12	**Tuzla**	-0,9	25
			Zenica	-0,9	26

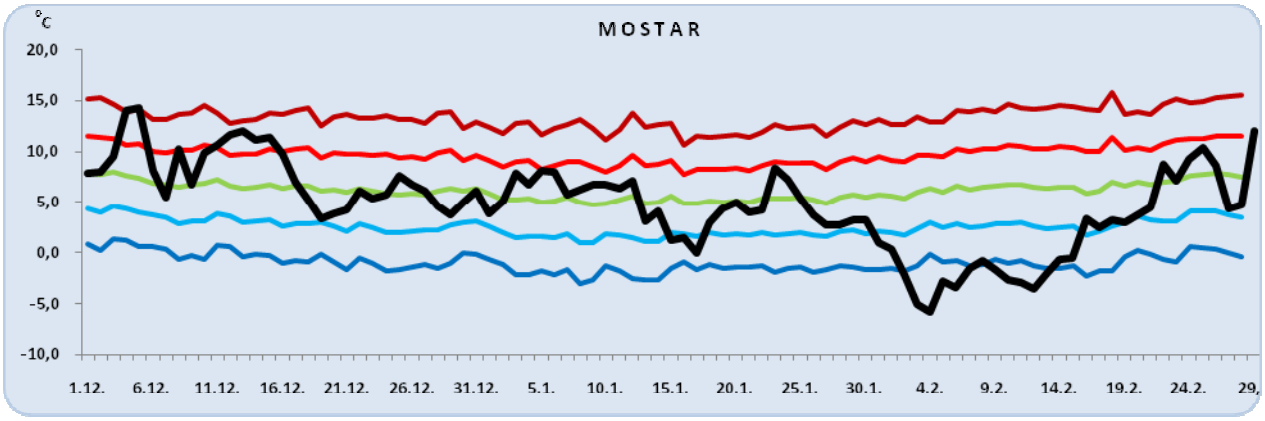
Mean decade temperatures in December have had a positive deviation at all stations in the first and second decade. The third decade of December was colder than average.
January in the first decade was warmer than average in the third decade of the cold and the other was cooler and Herzegovina in the high altitudes and warmer in Bosnia.
During February, the first two decades were colder while the third decade registered a larger than average temperatures.
Anomalies ranged from -13.0 ° C in Gradačac during the first decade of February to 7.0 ° C on MS Bihac in the first decade of December.
Decadal anomalies mean values of temperature at six stations are given in the table.

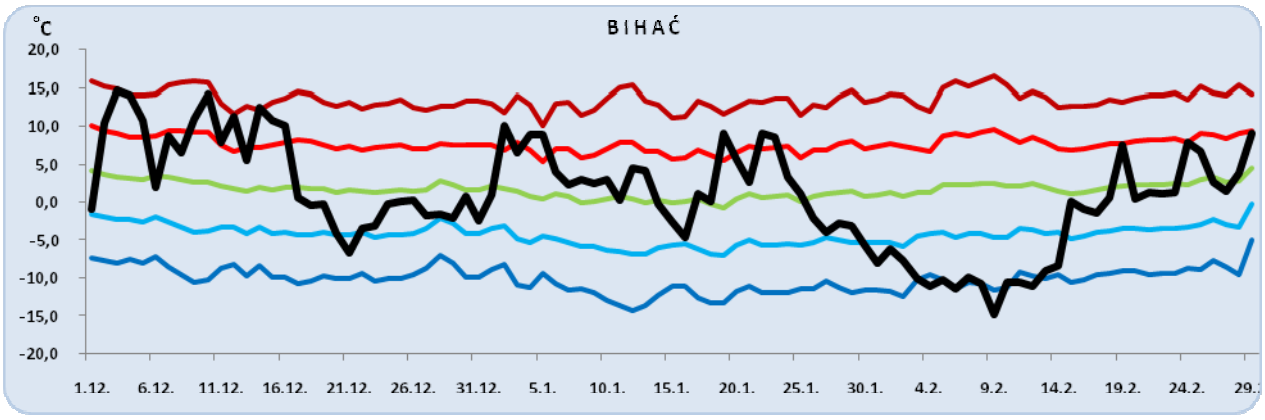
	decembar			january			february		
Bihać	7,0	3,9	-3,2	4,8	2,5	-1,8	-12,6	-5,3	1,5
Gradačac	5,9	4,4	-0,2	6,0	4,9	-1,4	-13,0	-3,3	2,2
Livno	4,9	4,0	-1,9	2,5	-0,4	-2,7	-10,5	-6,3	0,9
Mostar	2,9	2,6	-0,5	2,1	-0,7	-1,4	-9,1	-5,8	0,6
Sarajevo	4,2	5,1	-2,7	2,2	0,8	-3,6	-12,3	-5,5	-0,3
Tuzla	3,7	4,6	-1,5	4,4	2,7	-2,5	-12,8	-5,1	0,7

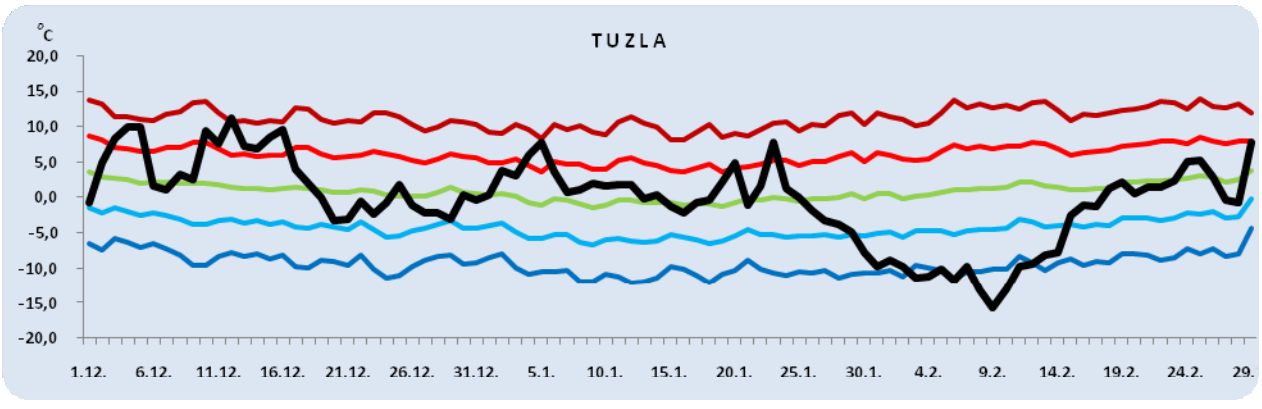
STANICA	extremely warm days	extremely cold days

	decembar	january	february	decembar	january	february
Bihać	1	0	0	0	0	7
Bjelašnica	0	0	0	0	1	3
Livno	0	0	0	0	0	11
Mostar	2	0	0	0	0	11
Sarajevo	2	0	0	0	0	7
Sanski Most	0	1	0	0	0	10
Tuzla	1	0	0	0	0	8


SARAJEVO
°C
15,0
10,0
5,0
0,0
-5,0
-10,0
-15,0
1.12. 6.12. 11.12. 16.12. 21.12. 26.12. 31.12. 5.1. 10.1. 15.1. 20.1. 25.1. 30.1. 4.2. 9.2. 14.2. 19.2. 24.2. 29.

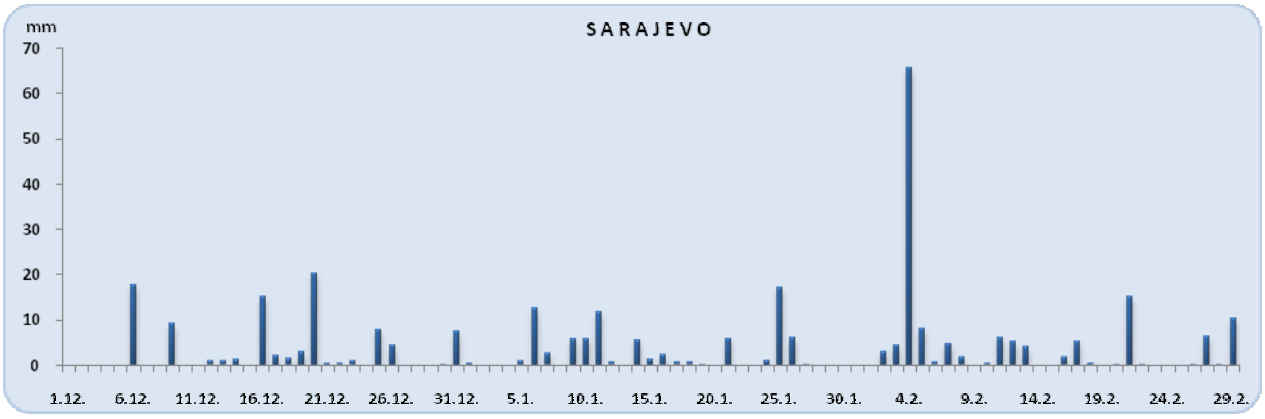

MOSTAR
°C
20,0
15,0
10,0
5,0
0,0
-5,0
-10,0
1.12. 6.12. 11.12. 16.12. 21.12. 26.12. 31.12. 5.1. 10.1. 15.1. 20.1. 25.1. 30.1. 4.2. 9.2. 14.2. 19.2. 24.2. 29.

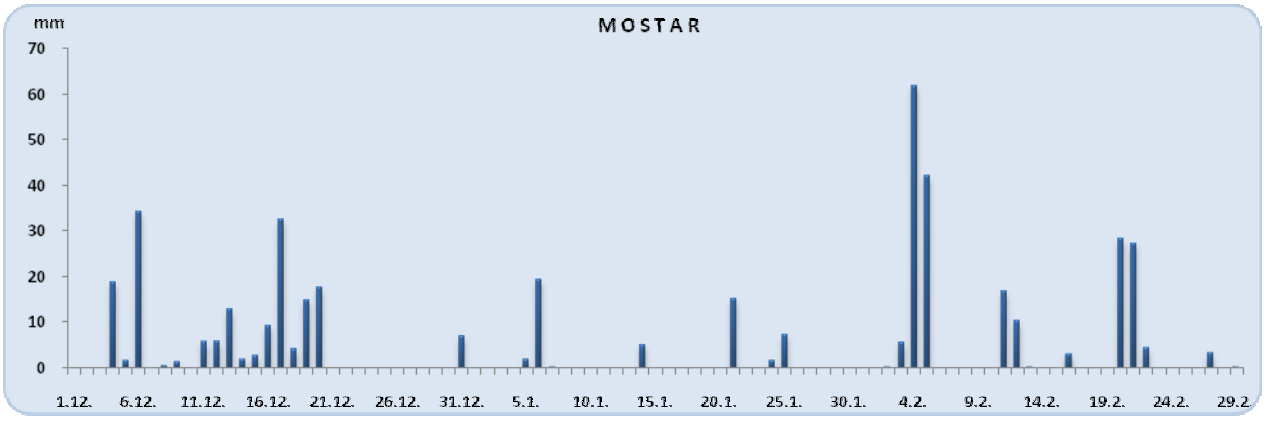

BIHAĆ
°C
20,0
15,0
10,0
5,0
0,0
-5,0
-10,0
-15,0
-20,0
1.12. 6.12. 11.12. 16.12. 21.12. 26.12. 31.12. 5.1. 10.1. 15.1. 20.1. 25.1. 30.1. 4.2. 9.2. 14.2. 19.2. 24.2. 29.

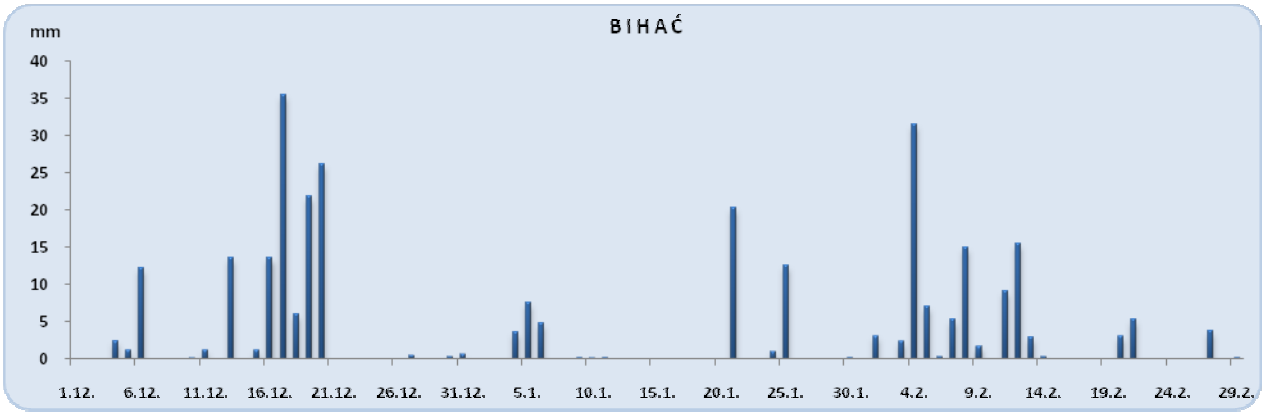

TUZLA
°C
20,0
15,0
10,0
5,0
0,0
-5,0
-10,0
-15,0
-20,0
1.12. 6.12. 11.12. 16.12. 21.12. 26.12. 31.12. 5.1. 10.1. 15.1. 20.1. 25.1. 30.1. 4.2. 9.2. 14.2. 19.2. 24.2. 29.

STATIONS	PRECIPITATION		STATIONS	PRECIPITATION	
	anomalies (%)	percentil		anomalies (%)	percentil
Bihać	102,0	38	**Livno**	87,2	34
Bjelašnica	174,5	99	**Mostar**	85,3	27
Bugojno	80,9	24	**Sarajevo**	143,1	90
Drvar	112,0	66	**Sanski Most**	108,7	61
Gradačac	94,0	44	**Stolac**	80,6	25
Ivan Sedlo	178,4	97	**Tuzla**	116,5	71
			Zenica	126,6	81

Total rainfall during the winter were depending on which part of Bosnia and Herzegovina look below or above average for many years.
The total precipitation ranged from 176.0 l/m2 in Gradačac to 445.6 l/m2 to Ivan Sedlo.
Deviations from the average precipitation ranged from 80.6% to 178.4% to Stolac to John Sedlo.By percentage precipitation classified into categories of normal, rainy, very rainy and extremely rainy.
The total amount of rainfall that were measured in December were in most regions over the long time average. January 2012 was with a small amount of precipitation in February and the entire area with higher precipitation.
Snow cover in December and January are mostly kept in the central regions, and in February, on MS Sarajevo and MS Mostar was measured maximum height of snow cover since the start of official measurements (107 cm – Sarajevo, 85 cm Mostar).






BIHAĆ
mm
40
35
30
25
20
15
10
5
0
1.12.
6.12.
11.12.
16.12.
21.12.
26.12.
31.12.
5.1.
10.1.
15.1.
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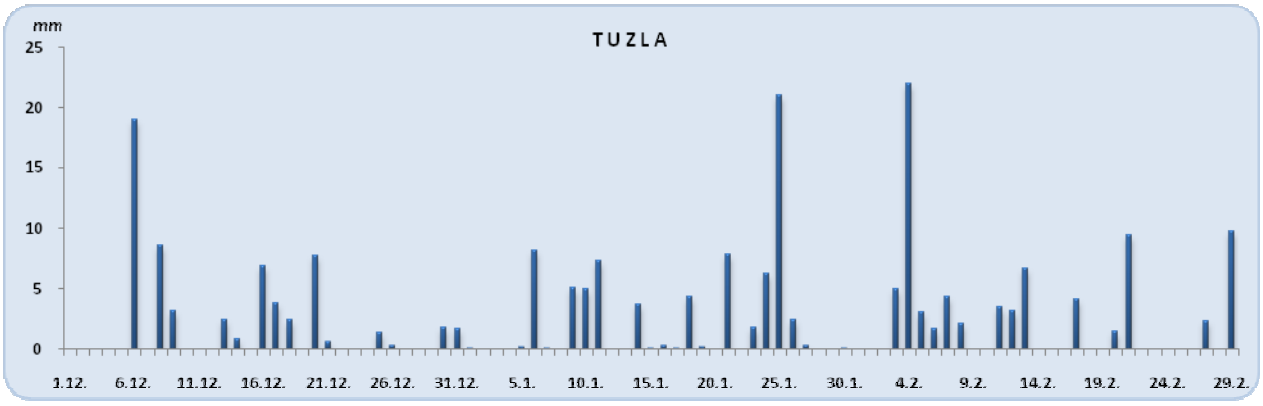
25.1.
30.1.
4.2.
9.2.
14.2.
19.2.
24.2.
29.2.


TUZLA
mm
25
20
15
10
5
0
1.12.
6.12.
11.12.
16.12.
21.12.
26.12.
31.12.
5.1.
10.1.
15.1.
20.1.
25.1.
30.1.
4.2.
9.2.
14.2.
19.2.
24.2.
29.2.