








# Climatic Bulletin

January 2010

-  Max temperature
-  Min temperature
-  Mean temperature
-  Precipitation
-  Sunshine duration



January was extremely hot at New Year's Day when maximum values reached the records of last fifty years over central-south Greece.  
 Also it gave heavy rainfalls and thunderstorms in the middle of month, with floods mainly over Creta island (17-18/1).  
 Contrary to that, total frost recorded over Northern mainland from 23/1 to 26/1.



## Temperature

### First Decameron

**Minimum:** The values were high at New Year's Day but reduced gradually.

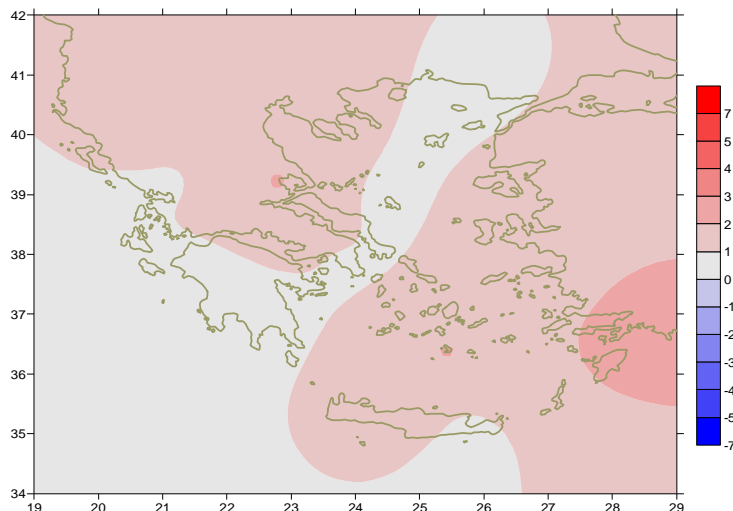
Some of the lowest:

$2.4^{\circ}\text{C}$  in Serres ,  $5.4^{\circ}\text{C}$  in Kastoria at 1/1.

**Maximum:** extremely high values recorded mainly at New Year's Day reaching the records of fifty years.

More specific :

$29.8^{\circ}\text{C}$  in Iraklio ,  $26^{\circ}\text{C}$  in Leonidio ,  $23^{\circ}\text{C}$  in Skyros ,  $21.6^{\circ}\text{C}$  in N. Filadelfia at 1/1.



*Deviation of mean temperature from normal values*

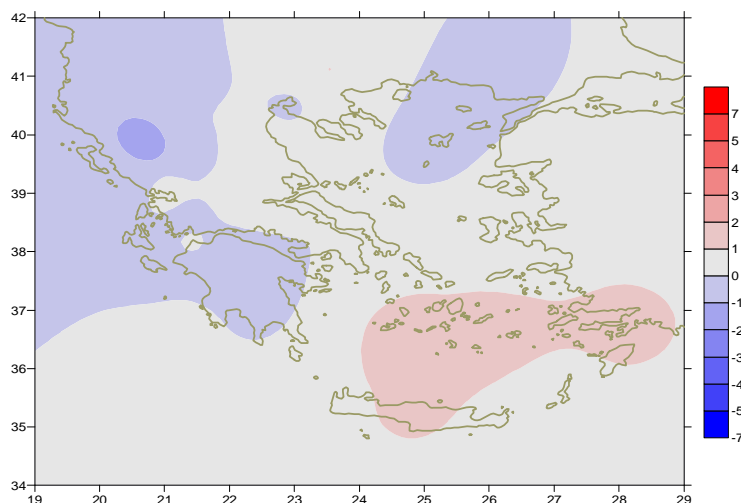
### Second Decameron

**Minimum:** The values were reduced to the end of period.

Some of the lowest that were noticed are  $-3.2^{\circ}\text{C}$  in Ioannina ,  $-2^{\circ}\text{C}$  in Alexandroupoli at 20/1.

**Maximum:** From the highest values:

$17.9^{\circ}\text{C}$  in Leonidio and  $18^{\circ}\text{C}$  in Iraklio at 13/1.



*Deviation of maximum temperature from normal values*

### Third Decameron

**Minimum:** The values were relatively high after 23/1.

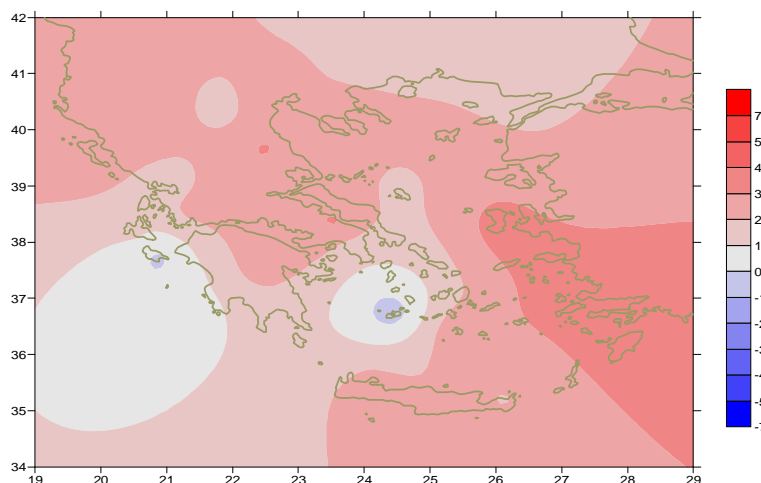
More specific:

$-12.6^{\circ}\text{C}$  in Alexandroupoli and  $-8.6^{\circ}\text{C}$  in Chrissoupoli at 26/1.

**Maximum:** Total frost recorded over Northern mainland.

For example (max values):

$-3^{\circ}\text{C}$  in Kozani at 23/1,  $-0.2^{\circ}\text{C}$  in Kastoria and  $-1.8^{\circ}\text{C}$  in Alexandroupoli at 24/1.



*Deviation of minimum temperature from normal values*



## Precipitation

### First Decameron

Low precip amounts recorded mainly over NW parts.

More specific: *27mm in Ioannina at 2/1*,  
*17mm in Konitsa at 5/1*,  
*7mm in Tripoli at 10/1*.

### Second Decameron

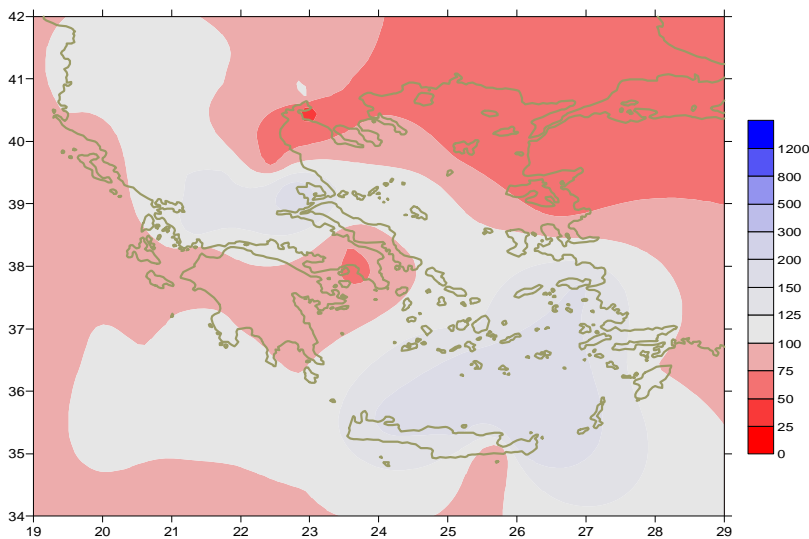
High precipitation recorded mainly over Aegean and Creta island where floods occurred (17-18/1).

More specific: *33mm in Kithira (16/1)*,  
*111mm in Souda (17/1)*,  
*83mm in Sitia (18/1)*,  
*43mm in Skyros (20/1)*.

### Third Decameron

Remarkable precipitation was recorded.

More specific: *80mm in Samos*,  
*57mm in Kos*,  
*48mm in Kastelli (22/1)*.



*Deviation of monthly precipitation height from normal values (%)*

TABLE OF MEAN VALUES

STATION	Longitude	Latitude	Tmean	TX	TN	RR	INST
SERRES	23,53	41,07	5,5	8,8	1,6	27	48
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	2,9	5,8	0,2	44	54
TRIKALA_IMATHIAS	22,55	40,60	6,1	9,4	3,3	14	74
THESSALONIKI	22,97	40,52	6,5	8,9	4,1	14	80
CHRYSOUPOLI	24,62	40,92	6,4	8,8	3,8	19	60
ALEXANDROUPOLI	25,95	40,85	5,4	7,9	2,7	36	47
KOZANI	21,83	40,28	3	5,8	0,3	35	
KERKYRA	19,92	39,62	10,7	13,2	8,1	105	68
IOANNINA	20,82	39,70	5,9	9	3	162	35
PREVEZA	20,76	38,91	10,9	13,2	8,5	100	
TRIKALA_THESSALIAS	21,77	39,52	6,7	10,1	4,2	96	
LARISA	22,45	39,65	6,8	10	3,6	20	88
LIMNOS	25,23	39,92	8,3	10,2	6,5	47	68
ARTA	21,00	39,17	9,4	13,6	5,8	172	70
AGHIALOS	22,78	39,21	8,5	11,4	5,2	87	93
MYTILINI	26,60	39,05	11	12,9	8,8	72	85
VELO	22,77	37,97	10,1	13,5	6,6	88	87
AGRINIO	21,35	38,60	9,4	13,4	5,8	166	68
LAMIA	22,43	38,87	8,3	12,1	5,1	75	87
ANDRAVIDA	21,28	37,92	10,6	13,9	7,7	87	80
SKYROS	24,48	38,96	10,6	12,2	9,1	98	59
ARGOSTOLI	20,50	38,12	11,9	14,3	9,8	100	99
ARAXOS	21,42	38,15	10,9	13,8	7,7	76	83
TANAGRA	23,57	38,33	8,8	11,7	6,3	48	84
HIOS	26,13	38,35	11,3	13,3	9,7	129	87
PYRGOS	21,42	37,67	11,3	14,3	7,9	112	64
TRIPOLI	22,40	37,52	5,9	8,9	3,4	104	86
TATOI	23,78	38,10	8,8	11,5	6,5	49	
HELLINIKO	23,73	37,90	11,1	13,6	8,7	31	97
ELEYSINA	23,55	38,07	10,3	13	7,8	18	
ZAKYNTHOS	20,88	37,75	11,5	14,1	7,9	146	79
SAMOS	26,92	37,68	11,9	14,2	10	227	129
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	10,4	14,4	7	106	88
NAXOS	25,37	37,10	13,2	15,4	11	86	110
METHONI	21,70	36,82	12,2	15	8,6	149	108
MHLOS	24,43	36,73	11,8	14,2	7,9	97	
SPATA	23,95	37,95	10,4	13,1	7,6	71	
KOS	27,08	36,80	12,3	14,5	10,7	135	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	13,4	15,2	12,1	107	147
SOUDA	24,12	35,55	12,2	15,3	9,9	227	124
RODOS	28,08	36,40	14	16	12,2	145	136
MYKONOS	25,35	37,43	11,7	13,4	10,5	88	
HERAKLEIO	25,18	35,33	13,4	16,9	11	141	128
IERAPETRA	25,73	35,02	13,4	16,2	11,3	75	45
SITEIA	26,10	35,21	13,3	15,8	11,3	184	120
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	12,9	16,8	9,3	130	133
KASTELI	25,33	35,18	11	14,1	8,5	140	
KARPATOS	27,15	35,42					
PAROS	25,13	37,02					
SYROS	24,95	37,42	12,3	14,2	10,6		142
IKARIA	26,35	37,68	12,6	13,6	11,1	210	

# Climatic Bulletin

## General Description

Precipitation amounts were higher than normal values over Aegean area but lower over Northeastern parts. The mean temperature varied higher than normal values, all over Greek area.

### Climatic Parameters :

- ❖ **Normal Values** : normal values for various parameters (temperature, precipitation, etc) are defined as mean values calculated for 30 years. These normal values are used as basis and represent the mean situation. They can be specified in 10 daily, monthly, seasonally and yearly level and are used for the trend comparison of 10 days, month, season or year as: rainy decameron, mild winter, cool August etc.

### Measurement :

- ❖ **Precipitation**  
1 mm = 1 litre/m<sup>2</sup>

### Table Legend :

Tmean : Mean Temperature  
 TN : Minimum Temperature  
 TX : Maximum Temperature  
 RR : Precipitation Height  
 (mm)  
 INST : Sun Duration (hours)

### UTC hours (Universal Time Coordinates) in Greece :

- ❖ Winter : UTC hour = local hour - 2
- ❖ Summer : UTC hour = local hour - 3

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