




Climatic Bulletin

February 2010

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



February was characterized by a three days period of strong frost and a significant dust episode with its peak at 20/2.

Meanwhile, heavy rainfalls and thunderstorms affected both Greek mainland and a lot of islands.

In addition, floods recorded over Chalkidiki and Chrissoupoli.

Also, south winds strong gale force affected the whole country at the middle and the end of the month, causing a lot of problems.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: The values were low mainly over Northwestern mainland which rised from 6/2. Some of the lowest: -7.6°C in Kastoria and -7.2°C in Kozani at 3/2.

Maximum: High values recorded at the end of the period mainly over south parts. More specific: 19.4°C in Kithira, 16.2°C in Ierapetra at 7/2 and 18°C in Rodos at 8/2.

Second Decameron

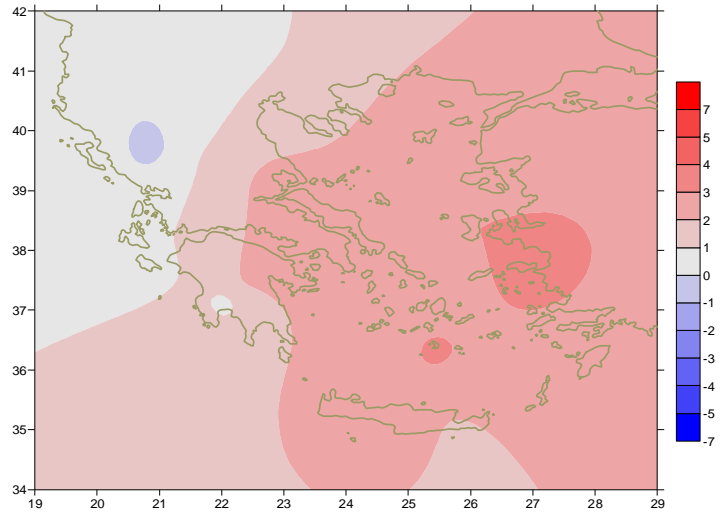
Minimum: The values increased gradually at the end of the period. Some of the lowest that were noticed are 4.2°C in Kastoria and 7°C in Serres at 20/2.

Maximum: From the highest values: 28.8°C in Iraklion and 25°C in Santorini at 20/2.

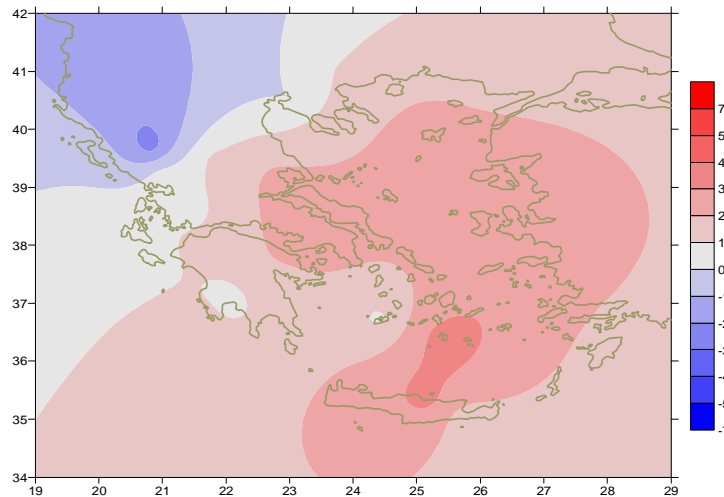
Third Decameron

Minimum: The values were relatively high everywhere (except Northwestern parts). More specific: 4.8°C in Ioannina and 6.2°C in Konitsa.

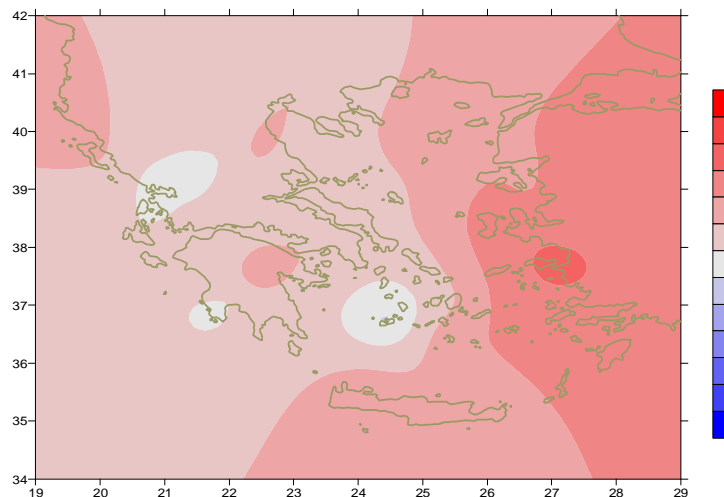
Maximum: A sensible fall in temperature within one day (21th of February) recorded over central, southern parts. For example: 18.8°C in Iraklio and 17.4°C in Santorini at 21/2.



Deviation of mean temperature from normal values



Deviation of maximum temperature from normal values



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Significant rainfalls and local thunderstorms recorded in the middle of the period over Aegean Sea and northern mainland.

More specific: *85mm in Chios,*
72mm in Milos and
67mm in Kithira at 7/2.

Second Decameron

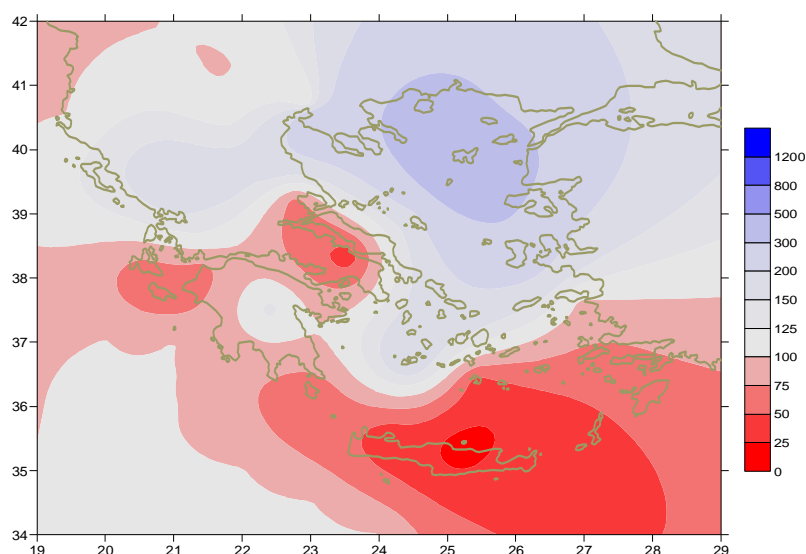
Remarkably high precipitation recorded mainly over Central Macedonia, Central-northern Aegean and northern Ionian.

More specific: *78mm in Chrissoupoli,*
51mm in Limnos,
52mm in Ikaria ,
57mm in Kerkyra (11/2).

Third Decameron

Locally strong rainfalls and thunderstorms recorded in the middle of the period over North and central Aegean.

More specific: *36mm in Mitilini,*
39mm in Limnos at 25/2.



*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	7,5	11,5	2,6	98	75
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	3,6	7,6	-0,1	116	103
TRIKALA_IMATHIAS	22,55	40,60	8,4	12,8	3,9	142	
THESSALONIKI	22,97	40,52	8	11	4,3	112	103
CHRYSOUPOLI	24,62	40,92	8,1	11,2	4,8	190	95
ALEXANDROUPOLI	25,95	40,85	8,1	11,2	4,7	152	109
KOZANI	21,83	40,28					
KERKYRA	19,92	39,62	11,1	13,8	7,9	188	82
IOANNINA	20,82	39,70	5,7	9,3	2,6	204	36
PREVEZA	20,76	38,91	11,3	14,3	8,2	115	
TRIKALA_THESSALIAS	21,77	39,52	8,4	12,8	3,9	142	
LARISA	22,45	39,65	8,4	13,2	3,7	58	123
LIMNOS	25,23	39,92	10,6	13,4	7,6	221	118
ARTA	21,00	39,17	9,9	14,7	5,7	240	104
AGHIALOS	22,78	39,21	9,9	14,4	4,8	33	151
MYTILINI	26,60	39,05	12,6	15	9,9	226	107
VELO	22,77	37,97	11,4	15,8	6,4	66	142
AGRINIO	21,35	38,60	10,2	14,6	5,3	141	112
LAMIA	22,43	38,87	10,3	15,4	5,5	52	136
ANDRAVIDA	21,28	37,92	11,6	15,2	7,9	58	115
SKYROS	24,48	38,96	12,4	14,8	9,4	115	107
ARGOSTOLI	20,50	38,12	7,5	11,5	2,6	98	75
ARAXOS	21,42	38,15					
TANAGRA	23,57	38,33	3,6	7,6	-0,1	116	103
HIOS	26,13	38,35	8,4	12,8	3,9	142	
PYRGOS	21,42	37,67	8	11	4,3	112	103
TRIPOLI	22,40	37,52	8,1	11,2	4,8	190	95
TATOI	23,78	38,10	8,1	11,2	4,7	152	109
HELLINIKO	23,73	37,90	12,8	16,3	9,3	38	126
ELEYSINA	23,55	38,07	11,8	15,8	7,5	32	
ZAKYNTHOS	20,88	37,75	12,1	15,2	9,5	64	90
SAMOS	26,92	37,68	13,3	16	10,6	103	126
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	11,3	16	6,8	97	129
NAXOS	25,37	37,10	14,3	16,9	11	86	140
METHONI	21,70	36,82	13,2	16,2	8,8	63	137
MHLOS	24,43	36,73	13	14	8,3	100	
SPATA	23,95	37,95	11,9	15,8	7,3	43	
KOS	27,08	36,80	13,3	15,7	11,3	87	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	14,4	16,9	12	26	162
SOUDA	24,12	35,55	13,6	17,4	10,5	38	166
RODOS	28,08	36,40	14,6	16,8	12,3	79	144
MYKONOS	25,35	37,43	12,9	15,2	11,1	86	
HERAKLEIO	25,18	35,33	14,9	18,8	11,1	11	167
IERAPETRA	25,73	35,02	14,7	17,8	11,2	26	146
SITEIA	26,10	35,21	14,5	17,6	11,8	24	149
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	13,9	17,9	9,3	44	100
KASTELI	25,33	35,18	12,2	16,5	7,4	48	157
KARPATOS	27,15	35,42	14,6	16,7	13,1		
PAROS	25,13	37,02					
SYROS	24,95	37,42	13,5	15,9	10,3	73	152
IKARIA	26,35	37,68	13,4	15,3	11,4	157	

Climatic Bulletin

General Description

Precipitation amounts were higher than normal values over Northern parts, mainly over northeastern. On the contrary, over all the rest parts of Greece they were lower, particularly in Crete, south Aegean and south Ionian Sea. The mean temperature varied higher than normal values over Eastern Greece, particularly in southeastern islands, while it was lower over Northwestern parts.

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/m²

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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