




Climatic Bulletin

March 2011

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



March started with mild characteristics but the very cold air masses which affected Greece gradually from northern parts caused "freezing" conditions for the period 7-10/3. Remarkable snowfalls recorded even in central and southern parts. Strong gale force north winds (9 locally 10 Beaufort) affected eastern parts.

The temperature varied from relatively low to quite high values until the end of month.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE

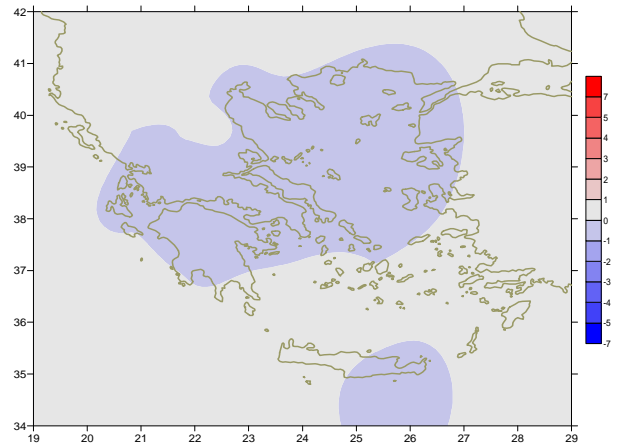


Temperature

First Decameron

Minimum: low (values below 0°C) locally over mainland.
 More specific:
 -7.8°C in Florina and -8°C in Tripoli, -2.4°C in Elefsina and -1.8°C in Hellinikon at 10/3.

Maximum: low values everywhere (over south Aegean area and Creta as well) at 9/3.
 More specific (from the lowest):
 5°C in Paros, 4.6°C in Syros and 3°C in Mykonos at 9/3.

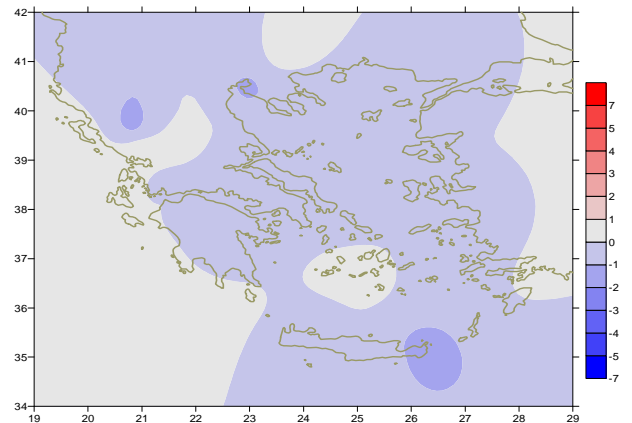


Deviation of mean temperature from normal values

Second Decameron

Minimum: The values increased rapidly at the end of period.
 More specific:
 -2.8°C in Kastoria and -2°C in Ioannina at 12/3 but +8.6°C and +10°C at 17/3.

Maximum: relatively high values in the middle of the period.
 More specific:
 21°C in Preveza at 15/3, 23°C in Arta and 23.4°C in Agrinion at 16/3.

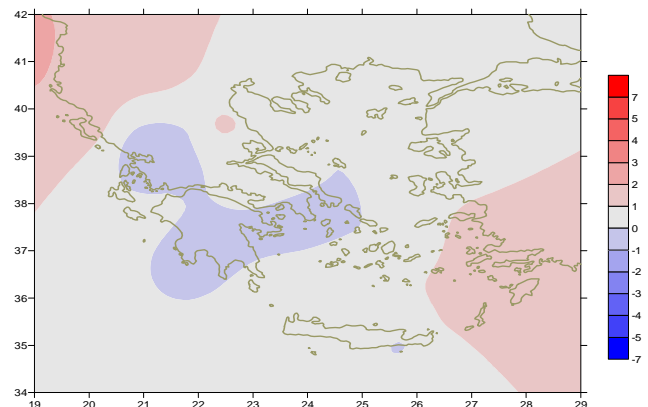


Deviation of maximum temperature from normal values

Third Decameron

Minimum: high values which declined and increased again at the end.
 More specific (over NW mainland):
 8.8°C in Florina, 8.2°C in Kozani and 9.4°C in Ioannina at 29/3.

Maximum: locally very high values due to south winds. For example (the highest):
 in Iraklion 24.4°C, in Naxos 21.2°C at 30/3 and in Arta 22.4°C at 31/3.



Deviation of minimum temperature from normal values



Precipitation

First Decameron

The precipitation was high during the three days (7-8-9/3) period.

Snowfalls recorded mainly over central and southern parts.

More specific:

23mm in Vello (Korinthia) at 7/3,

21mm in Skyros and 21mm in Mitilini at 8/3.

Second Decameron

Remarkable precip amounts recorded mainly over mainland at the end of the period.

More specific:

34mm in Andravida at 19/3,

27mm in Arta at 19/3,

13mm in Methoni and 12mm in Thessaloniki at 20/3.

Third Decameron

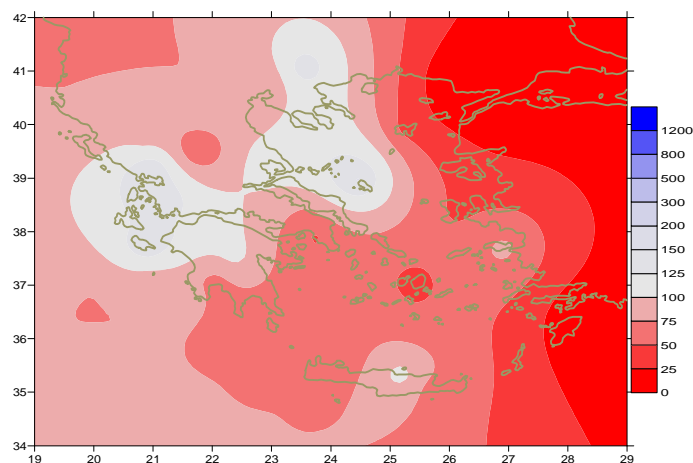
Relatively high precipitation recorded in the beginning over Creta and during last day over Attica and Peloponnese.

More specific:

19mm in Iraklion and Kasteli at 21/3,

47mm in Astros, 27mm in Elefsina, 17mm in Tatoi

and 23mm in Leonidio at 31/3.



Deviation of monthly precipitation height from normal values (%)

TABLE OF MEAN VALUES

STATION	Longitude	Lattitude	Tmean	TX	TN	RR	INST
SERRES	23,53	41,07	9,9	15,1	4,4	46	164
FLORINA	21,40	40,78	7,1	10,9	2,9	27	
KASTORIA	21,27	40,45	7,3	11,9	1,2	33	159
TRIKALA_IMATHIAS	22,55	40,60	10,2	15,4	4,9	33	132
THESSALONIKI	22,97	40,52	9,3	12,9	4,5	38	157
CHRYSOUPOLI	24,62	40,92	8,9	12,3	4,7	15	164
ALEXANDROUPOLI	25,95	40,85	8,4	12	3,9	4	164
KOZANI	21,83	40,28	7	11,6	2,5	43	
KERKYRA	19,92	39,62	12,9	16,8	8,6	89	199
IOANNINA	20,82	39,70	8,9	13,3	3,5	90	160
PREVEZA	20,76	38,91	12,5	16,5	8,6	80	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	9,7	14,8	4,7	34	159
LIMNOS	25,23	39,92	9,6	12,4	6,6	22	177
ARTA	21,00	39,17	11,6	17,7	6,2	144	192
AGHIALOS	22,78	39,21	9,7	13,9	5,4	57	164
MYTILINI	26,60	39,05	11,7	14,8	8,5	25	180
VELO	22,77	37,97	11,4	15,5	6,7	91	176
AGRINIO	21,35	38,60	10,9	16,6	5,1	104	194
LAMIA	22,43	38,87	10,4	15,5	5,8	101	157
ANDRAVIDA	21,28	37,92	11,8	16,8	6,8	95	192
SKYROS	24,48	38,96	11,2	13,4	8,9	79	140
ARGOSTOLI	20,50	38,12	12,9	16,2	9,8	98	218
ARAXOS	21,42	38,15	12,1	16,1	7,7	73	207
TANAGRA	23,57	38,33	9,8	14	5,1	34	164
HIOS	26,13	38,35	11,6	14,2	7,9	33	183
PYRGOS	21,42	37,67	13,1	17,1	7,3	52	157
TRIPOLI	22,40	37,52	7,7	12,4	2,5	78	178
TATOI	23,78	38,10	9,8	13,2	5,9	35	
HELLINIKO	23,73	37,90	11,8	14,9	8,1	21	163
ELEYSINA	23,55	38,07	11,2	14,6	7,1	44	
ZAKYNTHOS	20,88	37,75	12,9	16,2	9,7	133	189
SAMOS	26,92	37,68	12,4	15,3	9	71	
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	11,9	16,9	6,4	46	216
NAXOS	25,37	37,10	13,3	15,8	10,3	22	169
METHONI	21,70	36,82	13,2	16,7	8,7	55	212
MHLOS	24,43	36,73					
SPATA	23,95	37,95	10,4	14,2	6,3	34	
KOS	27,08	36,80	12,8	15,2	10,2	9	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	13,3	15,2	11,1	32	182
SOUDA	24,12	35,55	12,8	15,9	9,5	43	175
RODOS	28,08	36,40	14,6	17	11,6	4	235
MYKONOS	25,35	37,43	11,9	13,8	10,4	30	
HERAKLEIO	25,18	35,33	13,6	16,7	10,1	63	164
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	13,5	15,6	11,1	38	167
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	13,3	17,6	8,2	11	221
KASTELI	25,33	35,18	11,1	15,2	7	66	167
KARPATOS	27,15	35,42	14,3	16,5	12,6	38	
PAROS	25,13	37,02	12,7	15	10,4	28	164
SYROS	24,95	37,42	12,6	14,9	9,6	21	176
IKARIA	26,35	37,68	12	13,7	10,4	23	

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General Description

Precipitation amounts were lower than normal values over most parts of Greek mainland and islands as well.
The mean temperature varied slightly lower than normal values over most 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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