




Climatic Bulletin

October 2010

 **Max
temperature**

 **Min
temperature**

 **Mean
temperature**

 **Precipitation**

 **Sunshine
duration**



October gave very strong rainfalls and thunderstorms which caused floods temporarily over the whole Greek area. Ionian sea, western Peloponnese and parts of Southwestern Aegean were hit by whirlwinds. During last days, strong northern winds carried relatively cold air masses towards Greece.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: The values were relatively low over NW mainland last three days.

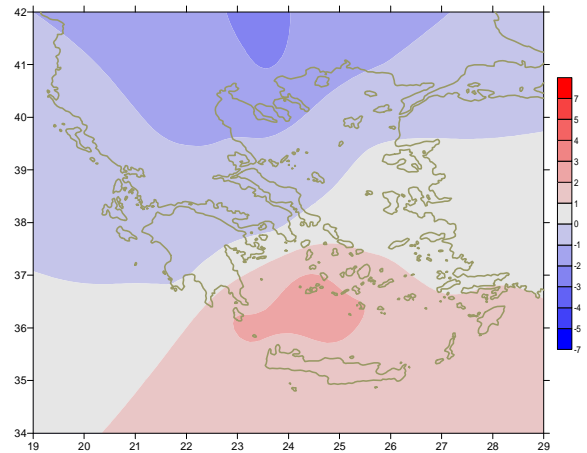
Some of the lowest:

-1°C in Kastoria and 1°C in Kozani at 9/10.

Maximum: Relatively high values recorded which declined at the end of the period.

More specific:

27.6°C in Kalamata, 24°C in Mitilini at 1/10 with the corresponding values 17.8°C and 17.4°C at 9/10.



Deviation of mean temperature from normal values

Second Decameron

Minimum: The values increased firstly over NW mainland and gradually over rest parts from 12/10.

More specific:

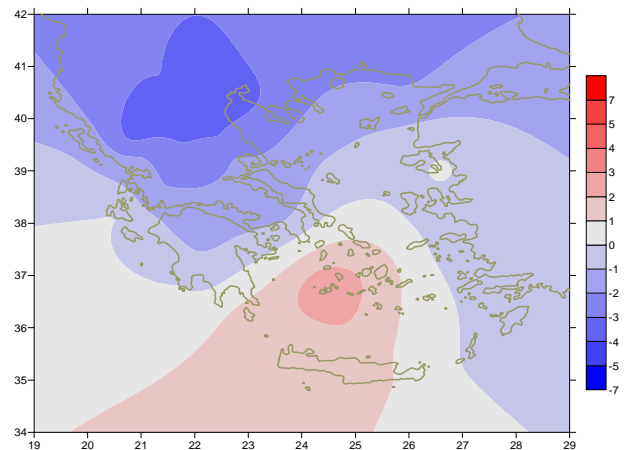
8°C in Kastoria and 6.2°C in Kozani.

Maximum: High values in general with ups and downs.

More specific: (from the higher ones)

32.6°C in Sitia at 13/10,

32.2°C in Iraklio at 14/10.



Deviation of maximum temperature from normal values

Third Decameron

Minimum: Significant fall in temperature at the end.

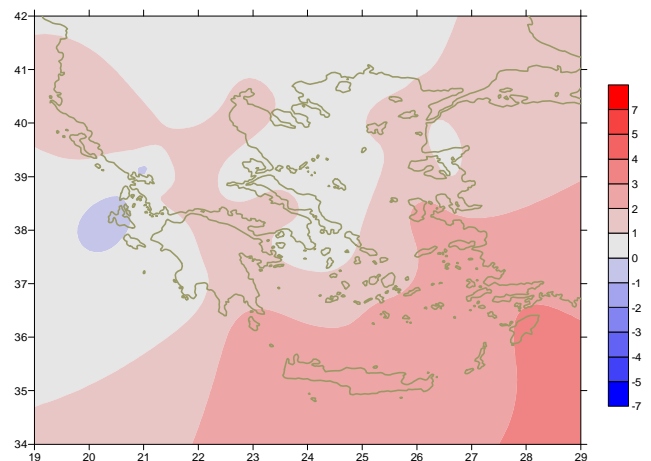
More specific:

-0.2°C in Kozani and 0.2°C in Serres at 30/10.

Maximum: low values during last three days.

For example:

14.4°C in Hellinikon, 15°C in Paros at 29/10.



Deviation of minimum temperature from normal values



Precipitation

First Decameron

High precipitation recorded mainly over Ipirous and eastern Peloponnese.

More specific:

*79mm in Ioannina at 6/10,
27mm in Konitsa at 6/10 and
65mm in Leonidio at 7/10.*

Second Decameron

very high precipitation recorded over

most parts. More specific:

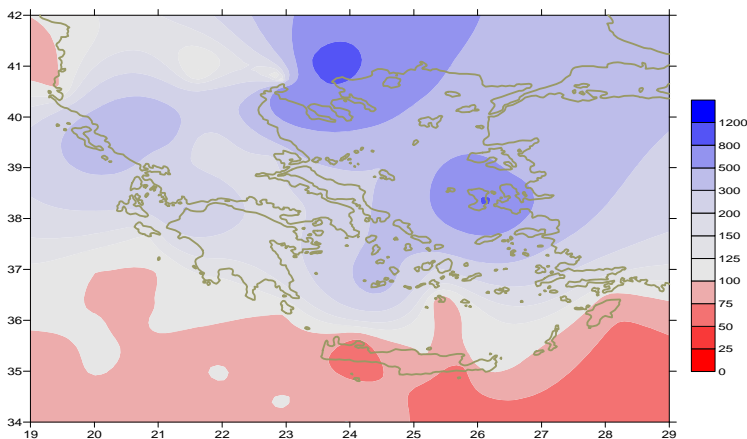
*81mm in Agrinio at 14/10,
53mm in Samos at 16/10,
184mm in Chios at 18/10,
138mm in Ikaria at 19/10.*

Third Decameron

Very high precipitation recorded during the

whole period. More specific:

*90mm in Araxos at 26/10,
47mm in Elefsina at 27/10,
58mm in Thessaloniki at 28/10.*



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	13,2	18,6	9,8	198	97
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	11,6	15,9	7,8	135	116
TRIKALA_IMATHIAS	22,55	40,60	14,1	18,8	10,7	136	114
THESSALONIKI	22,97	40,52	14,9	17,8	11,9	194	133
CHRYSOUPOLI	24,62	40,92	14,4	17,8	10,9	109	122
ALEXANDROUPOLI	25,95	40,85	14,6	17,9	11,1	134	148
KOZANI	21,83	40,28	12	15,8	8,2	91	
KERKYRA	19,92	39,62	18,3	21,8	14,8	306	141
IOANNINA	20,82	39,70	14,2	18	10,1	280	103
PREVEZA	20,76	38,91	18,3	22	15,3	342	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	15	19,1	11,4	127	120
LIMNOS	25,23	39,92	16,3	18,9	13,5	149	156
ARTA	21,00	39,17	16,8	22,2	12,9	270	156
AGHIALOS	22,78	39,21	15,9	19,7	12,5	124	132
MYTILINI	26,60	39,05	18,6	21,7	15,5	162	186
VELO	22,77	37,97	17,8	22,2	14,2	160	146
AGRINIO	21,35	38,60	17,2	22,4	12,5	285	158
LAMIA	22,43	38,87	16	20,2	12,5	137	116
ANDRAVIDA	21,28	37,92	18,4	22,8	14,2	201	163
SKYROS	24,48	38,96	17,6	19,8	15,6	114	157
ARGOSTOLI	20,50	38,12	19,1	22,7	15,5	205	192
ARAXOS	21,42	38,15	18,7	22,3	14,7	268	176
TANAGRA	23,57	38,33	16,4	20,6	12,7	113	134
HIOS	26,13	38,35	18,8	21,2	15,8	316	199
PYRGOS	21,42	37,67	19,4	23,8	15	163	154
TRIPOLI	22,40	37,52	14,2	19,3	9,5	139	149
TATOI	23,78	38,10	16,5	20	13,3	92	
HELLINIKO	23,73	37,90	19,2	22,3	16	108	160
ELEVSINA	23,55	38,07	18,7	22,1	15,5	96	
ZAKYNTHOS	20,88	37,75	19,3	22,5	16,2	188	181
SAMOS	26,92	37,68	19,6	22,3	17,1	107	201
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	18,7	23,8	13,9	136	177
NAXOS	25,37	37,10	20,5	23,1	17,9	82	177
METHONI	21,70	36,82	19,6	23,4	15,7	125	178
MHLOS	24,43	36,73	21,1	24,3	17,4	160	
SPATA	23,95	37,95	18,2	21,2	13,6	117	
KOS	27,08	36,80	19,9	22,2	17,8	72	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	21	23,1	18,9	24	212
SOUDA	24,12	35,55	20,7	24,1	17,6	48	156
RODOS	28,08	36,40	21,8	24	19,9	54	223
MYKONOS	25,35	37,43	19,1	21,2	17,4	69	
HERAKLEIO	25,18	35,33	21,7	24,8	18,7	70	173
IERAPETRA	25,73	35,02	22,5	25,8	19,6	32	181
SITEIA	26,10	35,21	21,2	23,7	19	69	185
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	21,4	25,4	17,2	50	203
KASTELI	25,33	35,18	19	22,5	15,2	170	184
KARPATOS	27,15	35,42					
PAROS	25,13	37,02	20	22,6	17,8	56	201
SYROS	24,95	37,42	19,6	22,1	16,9	94	202
IKARIA	26,35	37,68	19,5	21,2	18,1	319	

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General Description

Precipitation amounts were quite higher than normal values over the most parts, mainly over Eastern Macedonia, Thrace and eastern parts of Aegean sea.
The mean temperature varied higher than normal values over southern islands of Aegean but lower than normal values over parts of northern mainland.

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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