




Climatic Bulletin

September 2016

 **Max
temperature**

 **Min
temperature**

 **Mean
temperature**

 **Precipitation**

 **Sunshine
duration**

September recorded as a month with severe devastation mainly because of the heavy weather affected most parts of Greece between the 6th and the 10th day.

So, extremely strong rainfalls, thunderstorms, whirlwinds and gale force winds caused local disasters.

Unfortunately, human lives were lost in specific flooded areas.

Moreover, a significant deep barometric low which started to cross the country from the 19th of month in an eastward direction caused many local disasters as well.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

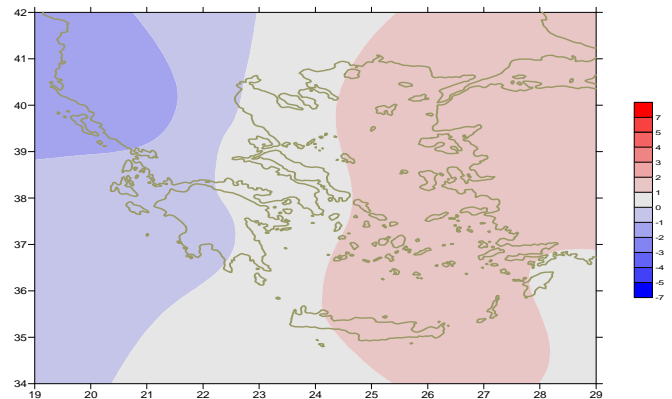
More specific (varied) :

Minimum:

from 10°C to 21°C over north mainland,
from 13°C to 26°C over central mainland,
from 15°C to 26°C over rest parts.

Maximum:

from 17°C to 32°C over north mainland,
from 19°C to 34°C over central mainland,
from 24°C to 38°C over rest parts.



Deviation of mean temperature from normal values

Second Decameron

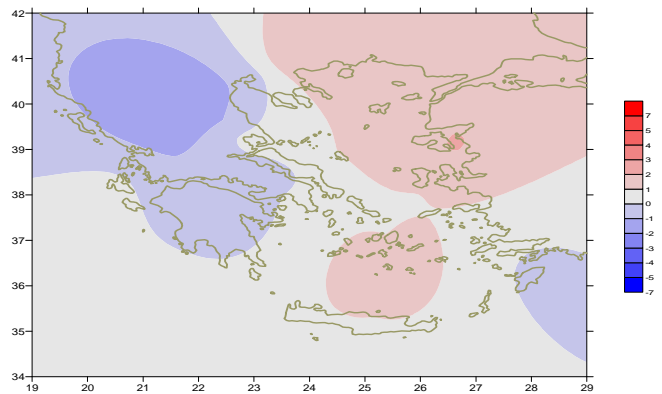
More specific (varied) :

Minimum:

from 10°C to 19°C over north mainland,
from 13°C to 23°C over central mainland,
from 14°C to 25°C over rest parts.

Maximum:

from 26°C to 35°C over north mainland,
from 28°C to 36°C over central mainland,
from 25°C to 36°C over rest parts.



Deviation of maximum temperature from normal values

Third Decameron

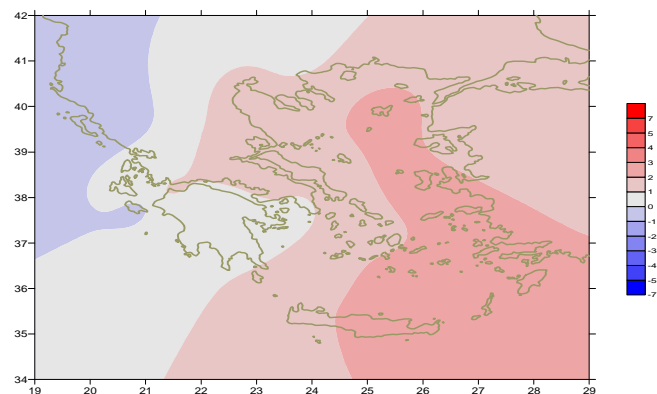
More specific (varied) :

Minimum:

from 3°C to 18°C over north mainland,
from 7°C to 22°C over central mainland,
from 13°C to 23°C over rest parts.

Maximum:

from 19°C to 28°C over north mainland,
from 22°C to 29°C over central mainland,
from 22°C to 30°C over rest parts.



Deviation of minimum temperature from normal values



P r e c i p i t a t i o n

First Decameron

Local strong rainfalls and thunderstorms over most parts.

More specific:

*28mm in Kozani (1/9),
113mm in Kerkyra, 58mm in Preveza, 58mm in Andravida,
70mm in Araxos, 55mm in Kalamata, 30mm in Larisa (6/9),
53mm in Thessaloniki, 100mm in Edessa, 30mm in Konitsa,
59mm in Larisa, 40mm in Argostoli, 87mm in Kalamata,
36mm in Methoni (7/9),
71mm in Zakynthos (8/9), 41mm in Kastoria (9/9),
61mm in Argos (10/9).*

Second Decameron

Local precipitation in the beginning and at the end of the period.

More specific:

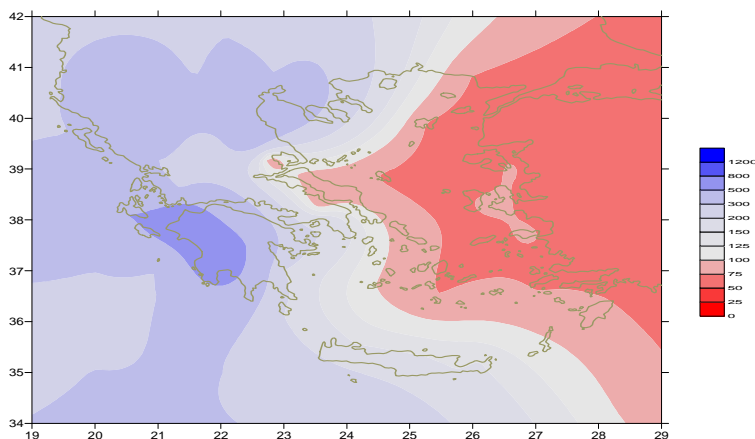
*28mm in Tripoli (11/9),
25mm in Kastoria, 41mm in Ioannina, 18mm in Andravida (19/9).
17mm in Preveza (20/9).*

Third Decameron

Local precipitation mainly over mainland.

More specific:

*17mm in Kerkyra (21/9),
26mm in Serres, 9mm in Kozani, 10mm in Astros,
12mm in Leonidio (22/9),
9mm in Methoni, 6mm in Skiathos (26/9).*



*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	22.2	29.7	14.6	45	176
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	17.7	24.4	11.7	161	192
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	22	26,7	16,5	85	219
CHRYSOUPOLI	24,62	40,92	22,1	26,8	16,1	13	236
ALEXANDROUPOLI	25,95	40,85	22,4	28	15,8	4	259
KOZANI	21,83	40,28	18,7	23,6	13,2	129	
KERKYRA	19,92	39,62					
IOANNINA	20,82	39,70	18,7	25,5	11,9	203	172
PREVEZA	20,76	38,91	23,1	27,3	18,7	144	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	21,9	27,7	15,4	121	188
LIMNOS	25,23	39,92	22,8	26,6	18,8	0	267
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	22,7	27,4	17,4	6	225
MYTILINI	26,60	39,05	24,4	28,8	20	5	296
VELO	22,77	37,97					
AGRINIO	21,35	38,60					
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	22,7	27,6	17,1	98	239
SKYROS	24,48	38,96	23,1	25,6	20,7	0	195
ARGOSTOLI	20,50	38,12	23,2	27,2	19,3	129	275
ARAXOS	21,42	38,15	23,4	27,6	18	139	273
TANAGRA	23,57	38,33	22,8	27,8	16,7	10	244
HIOS	26,13	38,35	24,2	27,3	20	0	287
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	19	25,6	11,8	83	227
TATOI	23,78	38,10	22,6	27,4	17,4	8	
HELLINIKO	23,73	37,90	24,8	28,5	20,4	14	258
ELEYSINA	23,55	38,07	24,8	29,2	19,3	15	
ZAKYNTHOS	20,88	37,75	23,8	27,7	18,6	129	271
SAMOS	26,92	37,68					
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	23	28,6	17,1	158	208
NAXOS	25,37	37,10	23,9	25,6	21,5	0	285
METHONI	21,70	36,82					
MHLOS	24,43	36,73					
SPATA	23,95	37,95	23,8	27,7	18,2	11	
KOS	27,08	36,80	24,1	27,4	21,1	2	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	24,5	27,5	21,8	3	304
SOUDA	24,12	35,55	24	28,2	20,1	14	290
RODOS	28,08	36,40	25,5	28	22,6	0	304
MYKONOS	25,35	37,43	23,3	26,1	21,1	0	
HRAKLEIO	25,18	35,33	24,7	27,4	21,5	20	273
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21					
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06					
KASTELI	25,33	35,18	22,6	27	18	13	269
KARPATOS	27,15	35,42	25	27,6	22,7	6	
PAROS	25,13	37,02	24	26,7	21,1	0	269
SYROS	24,95	37,42	23,9	27	21,5	0	295
IKARIA	26,35	37,68					

**TABLE OF DEVIATIONS
FROM NORMAL VALUES**

STATION	TMEAN (deviation) (I)	PRECI (deviation %) (II)
SERRES	0.6	215
FLORINA		
THESSALONIKI	0.2	324
ALEXANDROUPOLI	1.4	13
KOZANI	-0.8	393
KERKYRA		
IOANNINA	-1.6	370
LARISA	-0.1	412
LIMNOS	1.4	1
AGHIALOS	0.5	19
MYTILINI	1.4	47
AGRINIO		
SKYROS	1	1
ARGOSTOLI	-0.3	430
ARAXOS	-0.1	621
HIOS	1.6	
HELLINIKO	0.5	144
ZAKYNTHOS	0	508
SAMOS		
KALAMATA	-0.3	562
NAXOS	1.3	1
METHONI		
SANTORINI	1.9	17
SOUDA	1	75
RODOS	0.9	1
HERAKLIO	1.2	103
SITIA		

(I) deviation of mean temperature from normal values
 (II) deviation of monthly precipitation height from normal values %.

Climatic Bulletin

General Description

Precipitation amounts varied higher enough than normals over mainland and Ionian sea area. Meanwhile lack of precipitation recorded over most of islands of Aegean area. The mean temperature was higher than normal values over eastern 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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