



Climatic Bulletin

September 2012

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



September was a warm month which characterized by its extremely hot last six days (25-30/9). Also, in the middle of the period, locally strong rainfalls and thunderstorms recorded over west-central-northern mainland and northern Aegean. Meanwhile significant floods affected west parts.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: high values at the beginning.

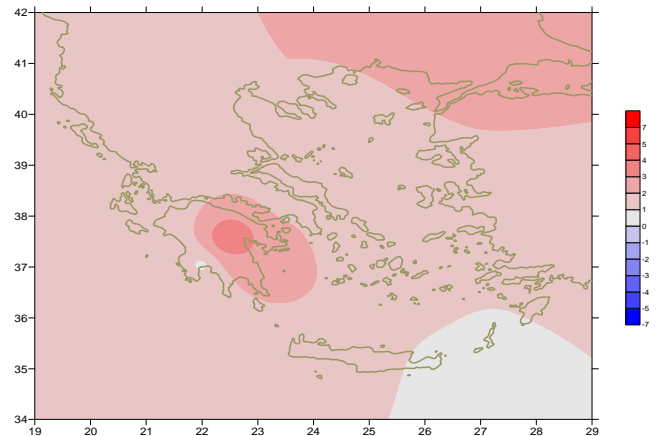
More specific (varied) :

from 12°C to 15°C over NW mainland,
from 15°C to 22°C over rest mainland,
from 17°C to 23.5°C over islands.

Maximum: high values mainly over mainland.

More specific:

35°C in Konitsa at 3/9, 35.1°C in Serres at 4/9,
34°C in Hellinikon at 9/9.



Deviation of mean temperature from normal values

Second Decameron

Minimum:

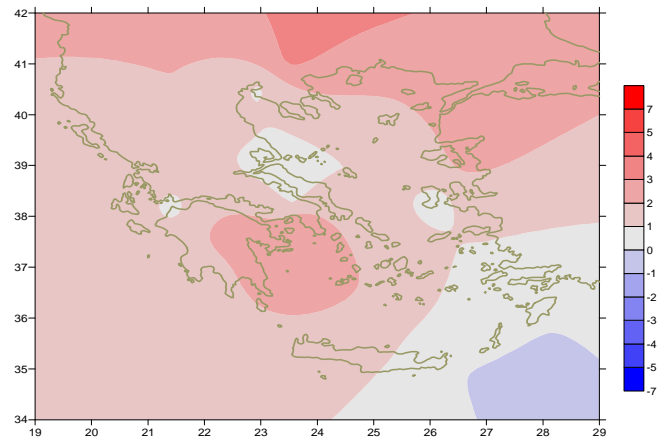
More specific (varied) :

from 9°C to 15°C over NW mainland,
from 15°C to 22°C over rest mainland,
from 20°C to 23°C over islands.

Maximum: relatively high values which declined until the end.

More specific:

32°C in Agrinio (11/9) , 31°C in Argos (11/9),
31.8°C in Lamia (13/9).



Deviation of maximum temperature from normal values

Third Decameron

Minimum:

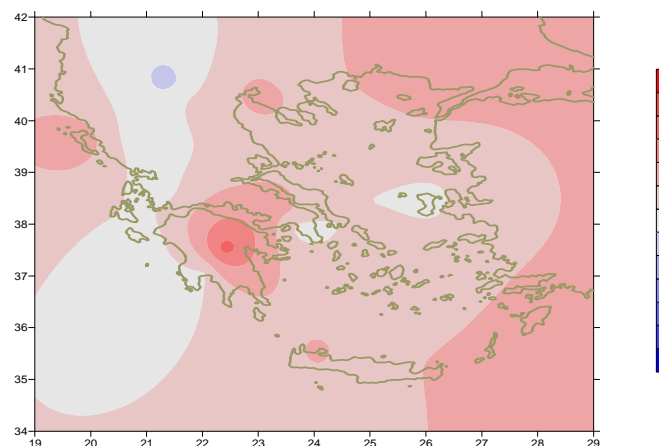
More specific (varied) :

from 10°C to 15°C over NW mainland,
from 14°C to 20°C over rest mainland,
from 16°C to 23°C over islands.

Maximum: extremely high values between 25-30/9.

For example:

37°C in Elefsina at 26/9 ,
36°C in Astros at 30/9,
36.2°C in Leonidio at 30/9, while in Hellinikon the max value varied from 35.6°C to 36.2°C continuously from 28-30/9.



Deviation of minimum temperature from normal values



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

First Decameron

Local rainfalls and thunderstorms over west mainland between 6-7/9.

More specific:

19mm in Florina at 6/9,

7mm in Kozani at 6/9,

25mm in Kalamata at 7/9.

Second Decameron

Strong rainfalls and thunderstorms temporarily over Ionian sea, over west mainland(mainly western Peloponnese), over central-north mainland and islands of Northern Aegean.

More specific:

120mm in Argostoli, 60mm in Preveza,

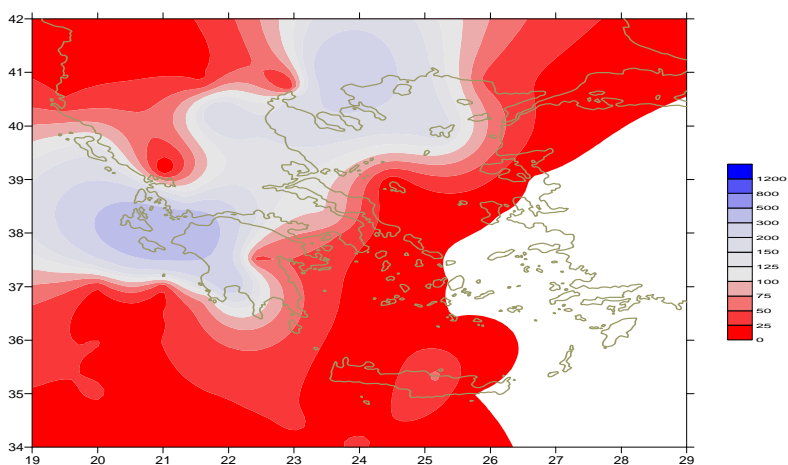
96mm in Adravidia, 80mm in Araxos at 14/9.

30mm in Thessaloniki, 36mm in Serres at 15/9,

31mm in Kerkyra , 14mm in Edessa at 20/9.

Third Decameron

No significant precipitation.



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	23,6	31,2	15,8	60	202
FLORINA	21,40	40,78	19,5	27,3	10,7	10	239
KASTORIA	21,27	40,45	20,6	27,4	11,3	43	239
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	23,5	28,2	17,3	46	257
CHRYSOUPOLI	24,62	40,92	22,5	27,3	16,9	5	275
ALEXANDROUPOLI	25,95	40,85	23,7	29	16,9	12	303
KOZANI	21,83	40,28	21	26,8	13,8	68	
KERKYRA	19,92	39,62	24,4	29,3	19	102	271
IOANNINA	20,82	39,70	21,3	28,4	12,7	26	210
PREVEZA	20,76	38,91	24,5	29,1	19,2	69	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	23,5	30,2	15,3	42	234
LIMNOS	25,23	39,92	22,7	26,8	18,1	34	281
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	23,3	28	17,2	41	257
MYTILINI	26,60	39,05	24,7	29	19,7	0	333
VELO	22,77	37,97					
AGRINIO	21,35	38,60	24,1	31,1	15,7	74	286
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	24,2	29,2	17,7	117	279
SKYROS	24,48	38,96	23,2	25,6	20	1	268
ARGOSTOLI	20,50	38,12	24,8	28,3	20	142	296
ARAXOS	21,42	38,15	24,6	29,2	18,4	114	295
TANAGRA	23,57	38,33	23,7	28,9	17,1	17	286
HIOS	26,13	38,35	23,6	27	18,2	0	308
PYRGOS	21,42	37,67	25,3	30,8	17,4	66	241
TRIPOLI	22,40	37,52	24,2	29,4	18,1	10	
TATOI	23,78	38,10	24,2	29,4	18,1	10	
HELLINIKO	23,73	37,90	26,2	30,8	20,4	4	273
ELEYSINA	23,55	38,07	26,2	30,5	20,9	13	
ZAKYNTHOS	20,88	37,75	24,9	29	19,1	109	281
SAMOS	26,92	37,68	25,4	29,7	20,5	0	
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	24	29,8	17,1	82	298
NAXOS	25,37	37,10	24	26,2	21,5	0	315
METHONI	21,70	36,82	25,1	28,5	19,7	29	294
MHLOS	24,43	36,73					
SPATA	23,95	37,95	24,9	28,8	18,8	0	
KOS	27,08	36,80	24,1	27,6	21,1	0	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	24,4	27,4	21	0	306
SOUDA	24,12	35,55	24,7	29	20,3	0	305
RODOS	28,08	36,40	25,7	28,4	22,7	0	319
MYKONOS	25,35	37,43	23,1	25,5	20,9	0	
HERAKLEIO	25,18	35,33	24,9	27,6	20,8	11	287
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	24,3	26,8	22	0	299
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06					
KASTELI	25,33	35,18	22,8	27,5	18,5	0	288
KARPATOS	27,15	35,42	24,8	27,6	22,7	0	
PAROS	25,13	37,02	24,5	28	21,2	0	308
SYROS	24,95	37,42	24,2	27,1	21,4	0	309
IKARIA	26,35	37,68	22,3	24,3	20,9	0	

**TABLE OF DEVIATIONS
FROM NORMAL VALUES**

STATION	TMEAN (deviation) (I)	PRECI (deviation %) (II)
SERRES	2	287
FLORINA	1.2	23
THESSALONIKI	1.7	176
ALEXANDROUPOLI	2.7	39
KOZANI	1.5	207
KERKYRA	1.7	136
IOANNINA	1	47
LARISA	1.5	143
LIMNOS	1.3	174
AGHIALOS	1.1	131
MYTILINI	1.7	0
AGRINIO	1	165
SKYROS	1.1	6
ARGOSTOLI	1.3	473
ARAXOS	1.1	509
HIOS	1	0
HELLINIKO	1.9	41
ZAKYNTHOS	1.1	430
SAMOS	1.1	0
KALAMATA	0.7	292
NAXOS	1.4	0
METHONI	1.5	96
SANTORINI	1.8	0
SOUDA	1.7	0
RODOS	1.1	0
HERAKLIO	1.4	56
SITIA	0.7	0

(I) deviation of mean temperature from normal values

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

Climatic Bulletin

General Description

Precipitation amounts were higher than normal values locally over West, Central and North Greece (both mainland and islands) while over Eastern parts were lower in general. The mean temperature varied higher than normal values everywhere.

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

© Hellenic National Meteorological Service
 Reproduction is prohibited without written authorization
 14 El.Venizelou 16777
 Helliniko, Athens
 Greece