



Climatic Bulletin

August 2012

 **Max
temperature**

 **Min
temperature**

 **Mean
temperature**

 **Precipitation**

 **Sunshine
duration**



August was a hot month in general. Two peaks of high maximum values of temperature recorded between 6-9/8 and 23-27/8. Meanwhile there were three periods of strong rainfalls and thunderstorms (unstable weather conditions) which affected mainland but Aegean area as well.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: high values at the end.

More specific:

30.6°C in Rodos at 7/8,

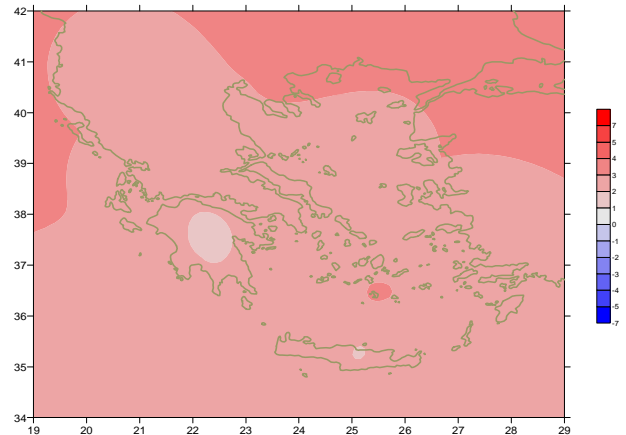
30.2°C in Karistos, 28.2°C in Mitilini at 8/8.

Maximum: high values mainly over mainland.

More specific:

43.3°C in Serres, 41.8°C in Larisa and Kalamata (7/8),

42°C in Astros, 41.8°C in Hellinikon (8/8).



Deviation of mean temperature from normal values

Second Decameron

Minimum: relatively low values over northwest parts in the middle of the period.

More specific:

8.5°C in Florina (13/8),

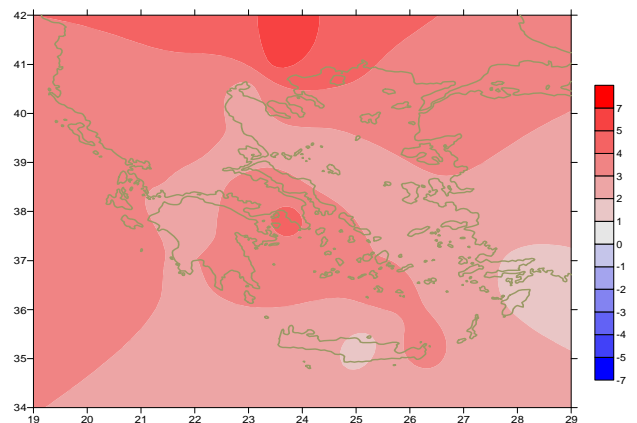
12.9°C in Konitsa, 13.2°C in Tripoli (14/8).

Maximum: a slight increase at the end.

More specific (from the highest):

35°C in Andravida, 34.4°C in Zakynthos (19/8),

35.3°C in Preveza, 34.9°C in Methoni (20/8).



Deviation of maximum temperature from normal values

Third Decameron

Minimum: high values in the beginning, but remarkably low values over northwest parts last days.

More specific (the lowest):

6.1°C in Florina, 8°C in Kastoria, 10.2°C in Ioannina at 29/8.

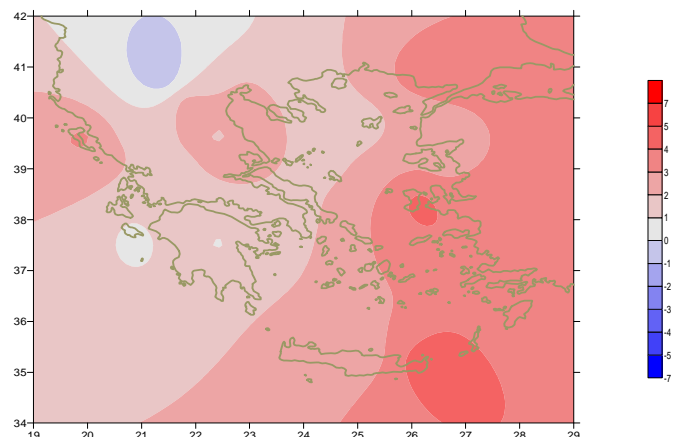
Maximum: very high values in the middle of the period (23-26/8).

For example:

40.1°C in Serres (23/8),

40°C in Agrinio (24/8),

40.3°C in Leonidio (25/8) and 40°C in Hellinikon for three days (23-24-25/8).



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Local strong thunderstorms recorded over most parts of mainland at 1-2/8 and at 10/8 as well.

More specific:

*8mm in Thessaloniki, 10mm in Serres (1/8),
12mm in Kastoria, 14mm in Ioannina (10/8).*

Second Decameron

Local strong thunderstorms recorded over most parts of mainland and Northern -central Aegean between 10-12/8.

More specific:

*30mm in Tripoli (11/8), 38mm in Limnos (12/8),
35mm in Elefsina (12/8), 25mm in Kalamata (12/8).*

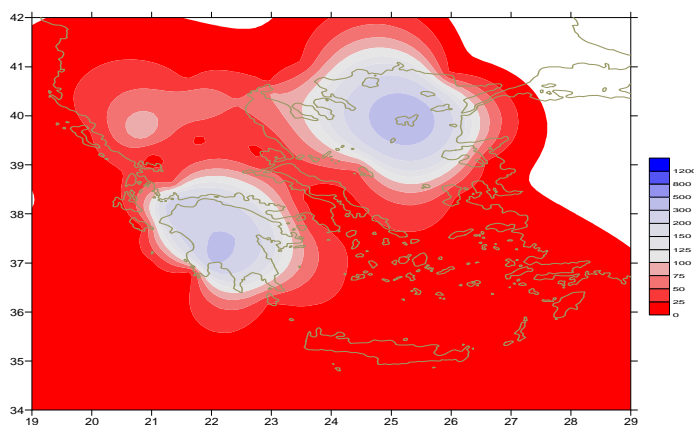
Third Decameron

Local rainfalls and thunderstorms recorded over northeastern mainland during the night between 27/8 and 28/8 (mainly far from met stations).

More specific:

1mm in Alexandroupoli at 28/8.

Note: for better mapping the colours bellow do not correspond strictly to the scale.



*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	28,6	36,6	18,7	9	251
FLORINA	21,40	40,78	24,9	32,5	13	1	209
KASTORIA	21,27	40,45	25,3	32,4	14,7	34	316
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	28,7	33,5	20,4	14	329
CHRYSOUPOLI	24,62	40,92	26,9	31,8	20	4	328
ALEXANDROUPOLI	25,95	40,85	28,3	33,8	20,6	1	358
KOZANI	21,83	40,28	25,7	32,7	17,8	22	
KERKYRA	19,92	39,62	29,1	34,4	21,8		351
IOANNINA	20,82	39,70	29,6	34,1	16,5	26	287
PREVEZA	20,76	38,91	28	32,7	22,3	2	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	28,8	35,5	19	3	329
LIMNOS	25,23	39,92	27,4	31,7	21,4	38	368
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	28,5	33,4	20,8		338
MYTILINI	26,60	39,05	28,9	33,3	23,7	0	412
VELO	22,77	37,97					
AGRINIO	21,35	38,60	28,8	36,4	19,1	9	371
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	28,2	33,5	19,9		361
SKYROS	24,48	38,96	27	29,2	23,2	6	347
ARGOSTOLI	20,50	38,12	28,6	32,6	22,4	0	370
ARAXOS	21,42	38,15	28,8	33,7	21	17	360
TANAGRA	23,57	38,33					
HIOS	26,13	38,35	28,5	31,7	24,7		364
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	25,6	32,9	15,3	42	288
TATOI	23,78	38,10	28,7	33,3	22,1	2	
HELLINIKO	23,73	37,90	30,5	35,8	24,2		356
ELEYSINA	23,55	38,07	30,7	35,4	24,6	35	
ZAKYNTHOS	20,88	37,75	29,5	34,2	21,6	1	381
SAMOS	26,92	37,68	30,4	34,2	25,7		
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	28,3	34,2	20	36	354
NAXOS	25,37	37,10	27,2	29,2	24,7		382
METHONI	21,70	36,82	27,7	31,4	22,4		359
MHLOS	24,43	36,73					
SPATA	23,95	37,95	28,1	32,7	22,4		
KOS	27,08	36,80	28,2	32,1	24,5		
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	27,9	31,3	24,3		371
SOUDA	24,12	35,55	28,3	32,5	23,2		390
RODOS	28,08	36,40	29,8	32,3	25,9		376
MYKONOS	25,35	37,43	26,8	29,3	24,4		
HERAKLEIO	25,18	35,33	27,8	30	24		376
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	26,7	28,7			
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	29,9	34,3	22,2		381
KASTELI	25,33	35,18	25,8	29,9	21,3		360
KARPATOS	27,15	35,42	27,6	30,9	25,2		
PAROS	25,13	37,02	28,2	31,5	24,9		368
SYROS	24,95	37,42	28,1	30,6	25,3		374
IKARIA	26,35	37,68	25,8	29	23		

**TABLE OF DEVIATIONS
FROM NORMAL VALUES**

STATION	TMEAN (deviation) (I)	PRECI (deviation %) (II)
SERRES	3.7	28
FLORINA	2.5	3
THESSALONIKI	2.9	67
ALEXANDROUPOLI	3.1	10
KOZANI	2.3	71
KERKYRA	3	-
IOANNINA	2.4	92
LARISA	2.8	19
LIMNOS	2.8	506
AGHIALOS	2.6	-
MYTILINI	3	-
AGRINIO	2.2	51
SKYROS	2.2	58
ARGOSTOLI	2.9	-
ARAXOS	2.2	283
HIOS	2.9	269
HELLINIKO	2.9	-
ZAKYNTHOS	2.9	11
SAMOS	2.7	-
KALAMATA	2.1	346
NAXOS	2.8	-
METHONI	2.1	-
SANTORINI	3.1	-
SOUDA	2.5	-
RODOS	2.9	-
HERAKLIO	1.9	-
SITIA	2.9	-

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

Climatic Bulletin

General Description

Precipitation amounts were lower than normal values mainly in Attica (the greater area of Athens) and over Ionian sea and Aegean sea (with exception of northeastern parts). In contrast, over northern mainland and over most parts of Peloponnese the precipitation height was higher than normal one. The mean temperature varied higher enough than normal values.

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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