




# Climatic Bulletin

August 2011

 **Max  
temperature**

 **Min  
temperature**

 **Mean  
temperature**

 **Precipitation**

 **Sunshine  
duration**



August was a typical summer month for Greece, characterized by the extremely long appearance of gale force northern winds (17-29/8). Also, heavy rainfalls and thunderstorms with hail recorded over parts of Central-Northern mainland and Northwest Aegean during two days (10-11/ 8). Meanwhile, the maximum values of temperature kept far from extremes.



ΕΘΝΙΚΗ  
ΜΕΤΕΩΡΟΛΟΓΙΚΗ  
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



## Temperature

### First Decameron

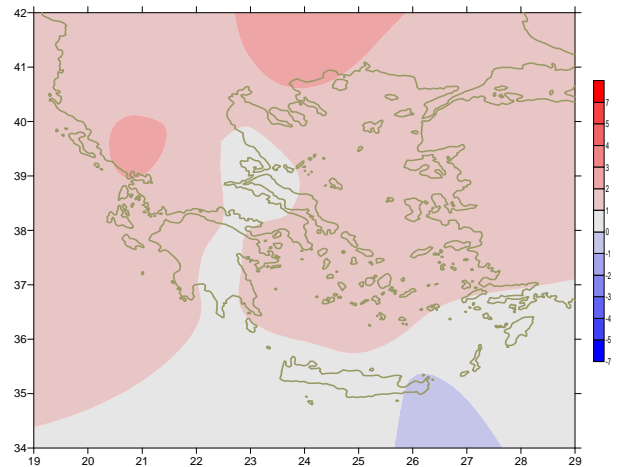
**Minimum:** From the highest values:

$26^{\circ}\text{C}$  in Samos ,  $25^{\circ}\text{C}$  in Kasos and  $24.6^{\circ}\text{C}$  in Astros at 10/8.

**Maximum:** High values at the end of the period.

More specific:

$38.2^{\circ}\text{C}$  in Serres ,  $36.8^{\circ}\text{C}$  in Larisa ,  $36.6^{\circ}\text{C}$  in Timbaki ,  $34.4^{\circ}\text{C}$  in Florina at 9/8.



*Deviation of mean temperature from normal values*

### Second Decameron

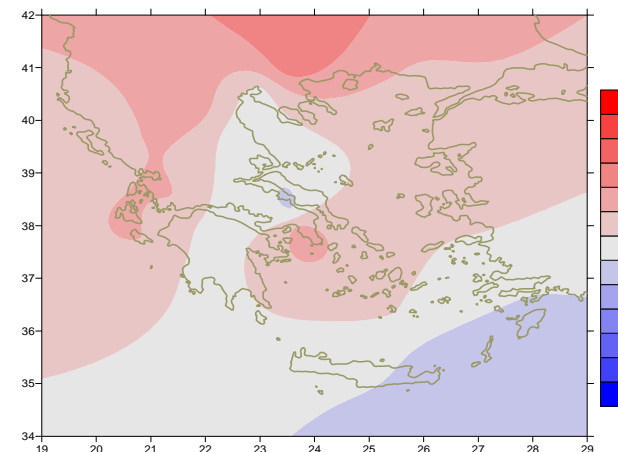
**Minimum:** Relatively high values.

E.g (the highest):  $26^{\circ}\text{C}$  in Elefsina ,  $25.6^{\circ}\text{C}$  in Syros ,  $25^{\circ}\text{C}$  in Limnos at 18/8.

**Maximum:** low values at the first day which rose mainly at the end.

More specific:

$23^{\circ}\text{C}$  in Florina (11/8) ,  $28.4^{\circ}\text{C}$  in Larisa (11/8) but  $38^{\circ}\text{C}$  in Agrinio (20/8) ,  $37.6^{\circ}\text{C}$  in Konitsa (20/8).



*Deviation of maximum temperature from normal values*

### Third Decameron

**Minimum:** The values decreased mainly over Northwest mainland at the end.

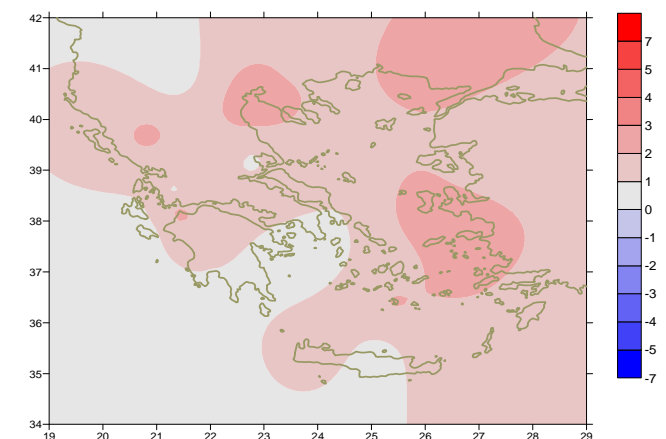
More specific:

$8.1^{\circ}\text{C}$  in Florina at 30/8 but  $18.8^{\circ}\text{C}$  at 21/8 ,  $10.4^{\circ}\text{C}$  in Kastoria at 30/8 but  $19^{\circ}\text{C}$  at 21/8.

**Maximum:** relatively high values over western parts in the middle of period.

For example:

$38.6^{\circ}\text{C}$  in Kerkira at 25/8 ,  $38^{\circ}\text{C}$  in Preveza and  $39^{\circ}\text{C}$  in Andravida at 26/8.



*Deviation of minimum temperature from normal values*



## Precipitation

### First Decameron

Remarkable precipitation amounts over northern mainland and over Eastern Thessaly, Northern Evia, as well.

More specific:

*24mm in Kozani,*

*11mm in Aghialos (Volos) at 5/8*

*11mm in Serres and 9mm in Larisa at 10/8.*

### Second Decameron

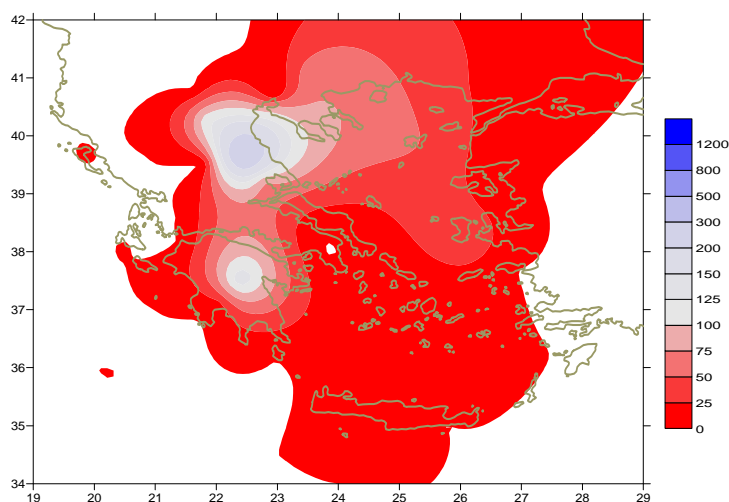
Remarkable precipitation amounts mainly over Central Macedonia.

More specific:

*59mm in Chrissoupoli, 6mm in Thessaloniki ,  
5mm in Serres and 3mm in Skyros at 11/8.*

### Third Decameron

Not remarkable precipitation amounts over Met. Stations of our network.



*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	27,6	35,1	18,9	20	324
FLORINA	21,40	40,78	23,4	31,1	14,3	8	310
KASTORIA	21,27	40,45	24,3	31,4	14,3	8	319
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	26,9	31,4	21,1	16	344
CHRYSOUPOLI	24,62	40,92	26,1	30,2	19,9	61	331
ALEXANDROUPOLI	25,95	40,85	26,9	32	19,6	3	352
KOZANI	21,83	40,28	25,4	31,7	17	36	
KERKYRA	19,92	39,62	27,6	32,3	20,1	0	357
IOANNINA	20,82	39,70	26,7	32,8	17,2	0	327
PREVEZA	20,76	38,91	27,2	31,8	21,5	0	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	27	33	18,9	47	357
LIMNOS	25,23	39,92	26,1	29,5	21,6	4	369
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	26,7	31	19,1	14	354
MYTILINI	26,60	39,05	17,7	31,9	22,5	0	382
VELO	22,77	37,97	28,6	32,9	20,3	1	339
AGRINIO	21,35	38,60	28,3	35,4	18,3	0	375
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	27,5	32,5	19,3	0	349
SKYROS	24,48	38,96	26	28	22,4	3	340
ARGOSTOLI	20,50	38,12	27,5	31,1	21,7	0	372
ARAXOS	21,42	38,15	28,4	32,6	21,6	0	364
TANAGRA	23,57	38,33	27,2	31,3	19,9	0	363
HIOS	26,13	38,35	27,3	30,4	23,4	0	348
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	24,7	30,7	15,5	23	318
TATOI	23,78	38,10	27	30,8	22	0	
HELLINIKO	23,73	37,90	29,4	34	22,8	0	368
ELEYSINA	23,55	38,07	29,2	33,2	24,1	0	
ZAKYNTHOS	20,88	37,75	28,5	32,6	21,6	0	342
SAMOS	26,92	37,68	29,1	33	24,5	0	
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	27,2	31,9	19,3	1	340
NAXOS	25,37	37,10	25,6	27,5	23,1	0	379
METHONI	21,70	36,82					
MHLOS	24,43	36,73					
SPATA	23,95	37,95	25,1	30,8	21,6	0	
KOS	27,08	36,80	26,5	30,6	23,3	0	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	26,4	28,9	23,7	0	347
SOUDA	24,12	35,55	26,6	30,3	21,9	0	362
RODOS	28,08	36,40	27,7	30,4	24,4	0	369
MYKONOS	25,35	37,43	25,2	27,3	22,7	0	
HERAKLEIO	25,18	35,33	26,6	28,7	22,2	0	369
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	25,6	27,8	23,7	0	368
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	28,5	32,8	20,5	0	386
KASTELI	25,33	35,18	24,3	28,2	20,8	0	349
KARPATOS	27,15	35,42	25,9	28,8	24,2	0	
PAROS	25,13	37,02	26,4	29,6	23	0	365
SYROS	24,95	37,42	26,4	28,8	24,3	0	372
IKARIA	26,35	37,68	24,9	26,6	23,3	0	

# Climatic Bulletin

## General Description

Precipitation amounts were lower than normal values almost everywhere, with exception of Central Macedonia, Thessaly and Northwestern Aegean.  
 {note: the normal precipitation height is approximately 0mm over most parts of Central and Southern Greek area}.  
 In contrast the mean temperature varied higher than normal values almost everywhere (Greek islands and 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/m<sup>2</sup>

### 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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