



Climatic Bulletin

July 2012

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



July was a dry and very hot month for the whole Greek area.

A twelve days period, with high values of temperature, recorded which included two peaks (11-12/7 and 15-16/7). While the maximum and minimum values of temperature are not unprecedented in July, the average maximum values exceeded the normal ones (mainly in Attica) by at least three degrees Celsius.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: high values at the end.

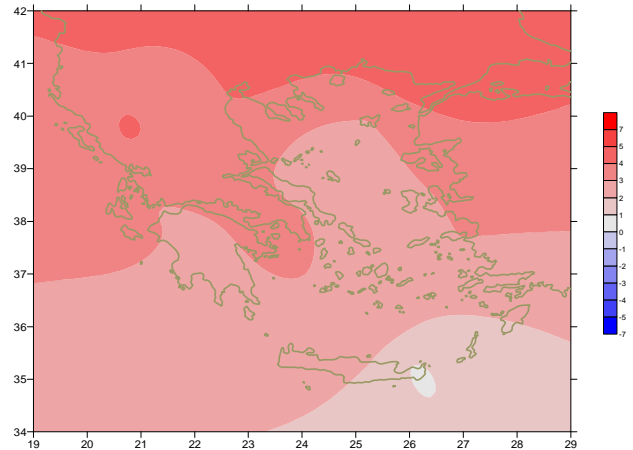
More specific:

27.6°C in Elefsina, 27.2°C in Samos,
26.6°C in Kithira at 10/7.

Maximum: high values mainly over mainland.

More specific:

39.1°C in Argos (6/7), 39.6°C in Serres (8/7),
39.4°C in Larisa, 39.9°C in Leonidio and 39.5°C in
Hellinikon (10/7).



Deviation of mean temperature from normal values

Second Decameron

Minimum: high values in the middle of the period.

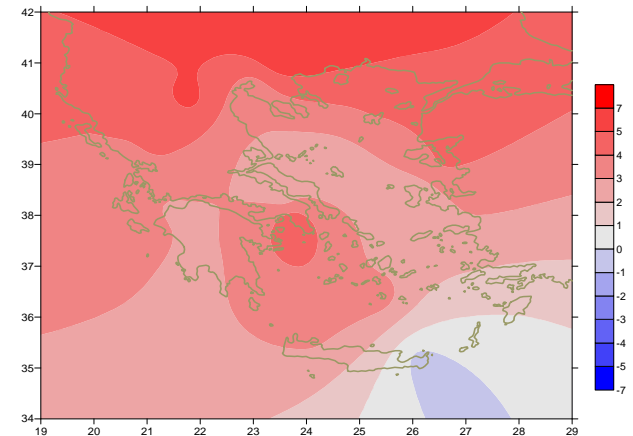
More specific:

28°C in Hellinikon, 30°C in Samos,
27.4°C in Mylonos at 16/7.

Maximum: quite high values everywhere.

More specific :

40.8°C in Kerkyra (11/7),
41.7°C in Argos, 41.4°C in Hellinikon (15/7),
41.4°C in Elefsina, 42.1°C in Tripoli (16/7).



Deviation of maximum temperature from normal values

Third Decameron

Minimum: high values everywhere (29-30/7).

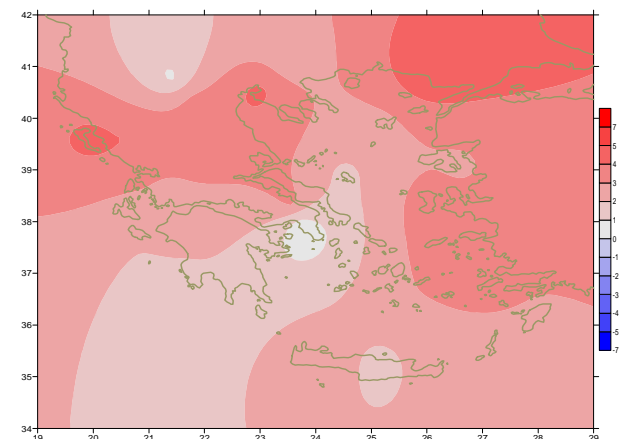
More specific (the highest) :

29.6°C in Syros, 28.2°C in Spata, 28.9°C in Karistos
at 29/7.

Maximum: high values in the end of the period.

For example:

40.6°C in Serres,
39.7°C in Lamia at 29/7,
38.8°C in Tympaki, 40.1°C in Konitsa at 30/7.



Deviation of minimum temperature from normal values



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

First Decameron

Dry period with exception of Eastern Macedonia and Peloponnese where local rainfalls and thunderstorms recorded.

More specific:

*9mm in Chrisoupoli (Kavala) at 8/7,
2mm in Serres and Tripoli at 10/7.*

Second Decameron

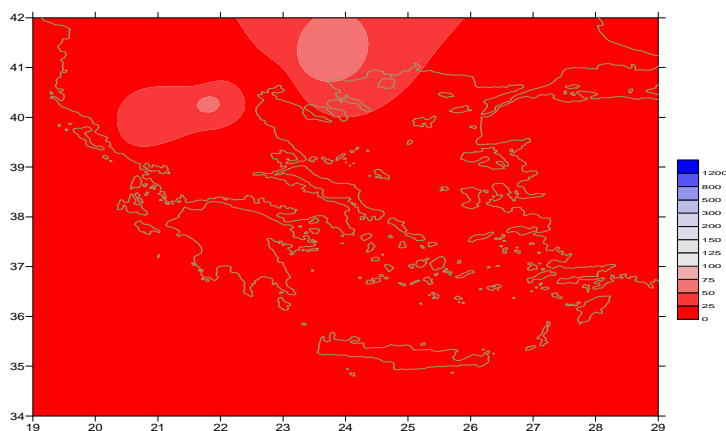
Dry in general with exception of Serres (8mm).

Third Decameron

Local rainfalls and thunderstorms recorded over northern mainland

More specific:

*11mm in Serres, 9mm in Florina, 2mm in Edessa at 23/7,
26mm in Kastoria and 24mm in Kozani at 27/7.*



*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	30,5	38	20,7	23	209
FLORINA	21,40	40,78	27	33,7	15	10	347
KASTORIA	21,27	40,45	27,5	33,9	16,4	26	356
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	30,6	34,7	22,7	0	384
CHRYSOUPOLI	24,62	40,92	28,4	32,6	21,9	11	344
ALEXANDROUPOLI	25,95	40,85	30,3	34,9	22,3	0	376
KOZANI	21,83	40,28	27,6	34,6	19,1	25	
KERKYRA	19,92	39,62	30,1	34,9	22,6	0	375
IOANNINA	20,82	39,70	28,9	35,1	18,8	12	365
PREVEZA	20,76	38,91	28,6	32,6	22,7	0	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	31,1	36,6	21	0	382
LIMNOS	25,23	39,92	28,5	32,9	22,4	0	387
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	30	34	21,7	0	379
MYTILINI	26,60	39,05	29,9	34,5	24,3	0	428
VELO	22,77	37,97					
AGRINIO	21,35	38,60	30,3	37	20,1	0	404
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	28,5	33,1	20,2	0	380
SKYROS	24,48	38,96	27,4	29,7	23,3	0	351
ARGOSTOLI	20,50	38,12	28,8	32,1	23,2	0	398
ARAXOS	21,42	38,15	29,5	33,8	21,6	0	373
TANAGRA	23,57	38,33	30,4	34,5	21,2	0	391
HIOS	26,13	38,35	29,1	32,2	24,7	0	379
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52					
TATOI	23,78	38,10	30	34,3	22,3	0	
HELLINIKO	23,73	37,90	31,2	36,4	23	0	397
ELEYSINA	23,55	38,07	32	36,4	25	0	
ZAKYNTHOS	20,88	37,75	30,3	34,7	22,5	0	409
SAMOS	26,92	37,68	31,4	35,3	26	0	
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	29,1	33,9	20,1	0	327
NAXOS	25,37	37,10	27,2	29,3	24,4	0	406
METHONI	21,70	36,82	27,1	30,3	22,3	0	385
MHLOS	24,43	36,73					
SPATA	23,95	37,95	28,9	33,5	23,2	0	
KOS	27,08	36,80	28	32	24,2	0	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	28,4	31,9	24,6	0	382
SOUDA	24,12	35,55	29,1	33,5	23,2	0	408
RODOS	28,08	36,40	29,1	31,8	25,1	0	391
MYKONOS	25,35	37,43	27,2	29,5	24,2	0	
HERAKLEIO	25,18	35,33	28,2	30,5	23,4	0	382
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	26,9	28,3	24,6	0	399
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	30,4	35,1	22,2	0	407
KASTELI	25,33	35,18	26,7	30,6	21,9	0	361
KARPATOS	27,15	35,42	26,7	29,9	24,5	0	
PAROS	25,13	37,02					
SYROS	24,95	37,42	28,8	31,3	25,4	0	394
IKARIA	26,35	37,68					

**TABLE OF DEVIATIONS
FROM NORMAL VALUES**

STATION	TMEAN (deviation) (I)	PRECI (deviation %) (II)
SERRES	4,4	73
FLORINA	3,8	27
THESSALONIKI	4,1	-
ALEXANDROUPOLI	4,7	-
KOZANI	3,6	64
KERKYRA	3,7	-
IOANNINA	4,1	42
LARISA	4	-
LIMNOS	3	-
AGHIALOS	3,3	-
MYTILINI	3,5	-
AGRINIO	3,3	-
SKYROS	2,1	-
ARGOSTOLI	3,3	-
ARAXOS	2,9	-
HIOS	2,7	-
HELLINIKO	3,4	-
ZAKYNTHOS	3,6	-
SAMOS	3	-
KALAMATA	2,6	-
NAXOS	2,5	-
METHONI	2,2	-
SANTORINI	3	-
SOUDA	2,7	-
RODOS	2,2	-
HERAKLIO	2,1	-
SITIA	0,9	-

(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. The precipitation height was at zero mainly in the following regions: the islands of Aegean sea and Creta, most parts of Peloponnese, most parts of central mainland (in particular Attica, Evia). The mean temperature varied higher enough than normal values, mainly over central and northern mainland. In particular in Attica (the greater area of Athens) the average maximum values of temperature exceeded the normal ones by at least three degrees Celsius.

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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