




Climatic Bulletin

JULY 2009

 **Max
temperature**

 **Min
temperature**

 **Mean
temperature**

 **Precipitation**

 **Sunshine
duration**



The mean values of temperature gradually overcame the normals till the end of the month.

A heat wave from Africa affected firstly Ionian and Greek mainland and gradually the Aegean area (24-25-26/7).

Remarkable raifalls recorded over the most parts of mainland till the middle of July.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: Relatively low temperatures recorded the first two days over Northwestern parts which rised till the end. The minimum temperature 12.4°C recorded in *Kastoria* at 1/7 and 13.8°C in *Tripoli* at 2/7.

Maximum: High values recorded at 8/7 and 9/7 falling from the next day.

More specific:

40.2°C in *Lamia*, 39.4°C in *Elefsina*, 38.8°C in *Argos* at 9/7.

Second Decameron

Minimum: The values rised mainly at 20/7. From the lowest ones: 27.6°C in *Elefsina* and 2°C in *Mytilini* at 20/7.

Maximum: The highest values recorded at the end of the period.

For example:

38.4°C in *Argos* and *Lamia*, 38.2°C in *Serres* at 19/7.

Third Decameron

Minimum: Quite high values recorded at 25/7.

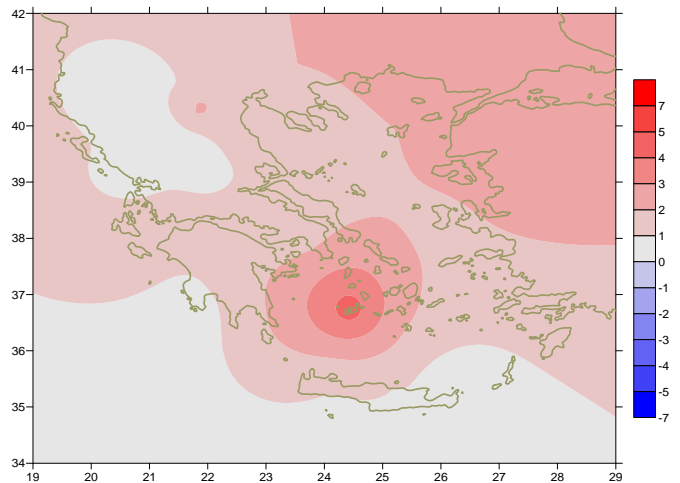
For example:

3°C in *Pireous*, 28.6°C in *Samos* at 25/7.

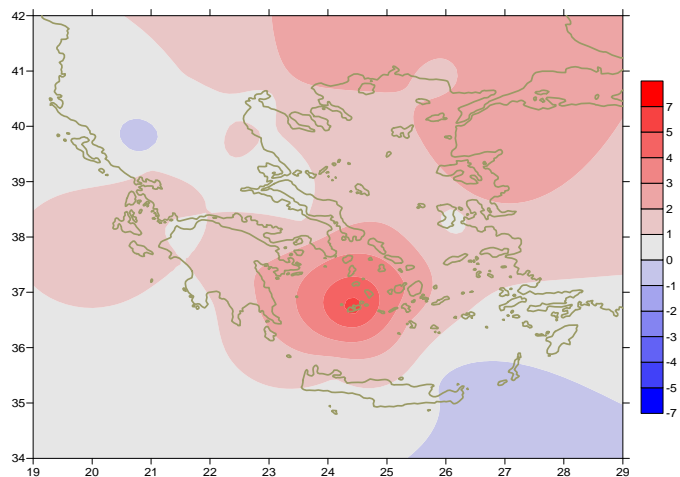
Maximum: Due to the heat wave which affected our country very high values recorded (24-25-26/7).

More specific:

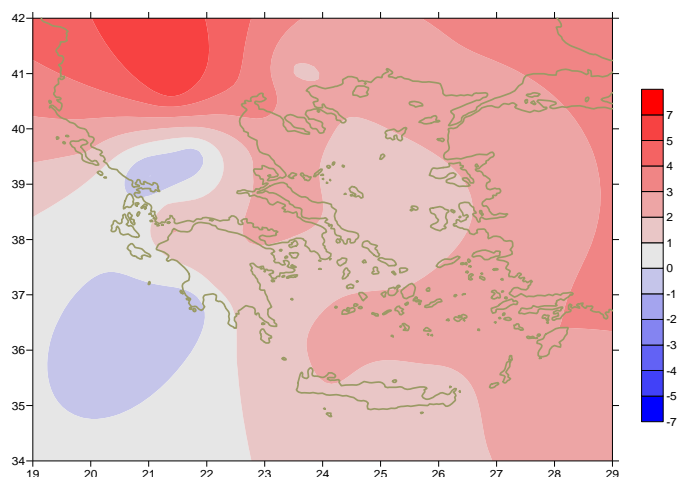
43.4°C in *Larisa*, 41.6°C in *Agrinio*, 41.2°C in *N. Filadelfia* and *Tripoli* at 25/7.



Deviation of mean temperature from normal values



Deviation of maximum temperature from normal values



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Remarkable rainfalls, thunderstorms recorded over mainland.

More specific: 42mm in Elefsina (5/7),
35mm in Ioannina (5/7) and
47mm in Tatoi (6/7).

Second Decameron

Significant precipitation heights recorded over mainland(11-13/7).

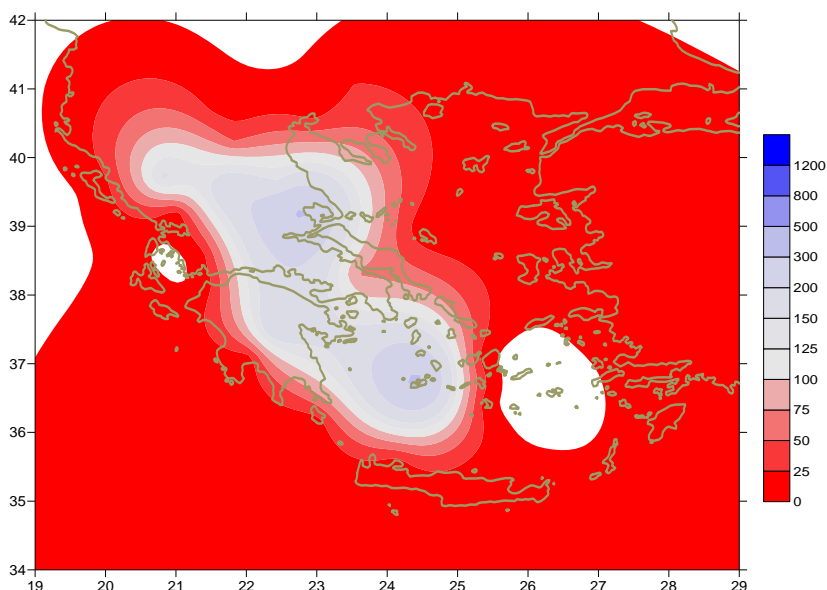
More specific:

13mm in Drama (11/7), 5mm in Thessaloniki (11/7),
6mm in Spata (12/7) and 10mm in Astros (13/7).

Third Decameron

No significant precipitation recorded.

More specific:
1mm in Ioannina (31/7),



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	28,1	34,4	20,2	8	328
FLORINA	21,40	40,78	24,1	29,7	20,2	24	
KASTORIA	21,27	40,45	24,8	30,5	15	22	343
TRIKALA_IMATHIAS	22,55	40,60	27,4	33,4	19,7	12	326
THESSALONIKI	22,97	40,52	27,8	32,2	22	8	371
CHRYSOUPOLI	24,62	40,92	26,8	30,4	20,5	13	
ALEXANDROUPOLI	25,95	40,85	28,2	32	20,2	2	368
KOZANI	21,83	40,28	26,2	30,1	18,7	16	2
KERKYRA	19,92	39,62	27,5	31,4	20,4	0	355
IOANNINA	20,82	39,70	24,8	30,6	15,8	46	332
PREVEZA	20,76	38,91	26,1	29,3	21,4	0	
TRIKALA_THESSALIAS	21,77	39,52	27,7	33,4	18,7	23	
LARISA	22,45	39,65	28,4	34,3	19,2	31	350
LIMNOS	25,23	39,92	27,5	30,9	21,7	0	387
ARTA	21,00	39,17	26,7	32,9	18,4	2	386
AGHIALOS	22,78	39,21	27,8	31,6	20,5	57	357
MYTILINI	26,60	39,05	29	33,1	23,7	0	418
VELO	22,77	37,97	29,5	33,8	21,2	0	382
AGRINIO	21,35	38,60	28,6	34,8	18,6	3	401
LAMIA	22,43	38,87	28,6	34,5	20	7	306
ANDRAVIDA	21,28	37,92	27,2	31,2	19,5	0	390
SKYROS	24,48	38,96	27	29	22,9	0	347
ARGOSTOLI	20,50	38,12	26,9	30,3	20,9	0	400
ARAXOS	21,42	38,15	27,9	31,7	20,7	0	386
TANAGRA	23,57	38,33	28,7	32,9	20,8	5	382
HIOS	26,13	38,35	28	30,6	22,4	0	374
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	26,1	31,9	16,1	37	374
TATOI	23,78	38,10	27,7	31,5	21,7	71	
HELLINIKO	23,73	37,90	29,6	33,6	24	1	382
ELEYSINA	23,55	38,07	30,1	33,8	24,3	43	
ZAKYNTHOS	20,88	37,75	28,4	32,4	20,8	0	409
SAMOS	26,92	37,68	30,2	33,8	24,8	0	414
ARGOS	22,75	37,63	28,7	35,1	17,1	15	363
KALAMATA	22,02	37,07	27,5	32,4	18,9	0	381
NAXOS	25,37	37,10	27	29,5	23,7	0	410
METHONI	21,70	36,82	25,2	28,1	20	0	387
MHLOS	24,43	36,73	29,6	33,6	24	1	382
SPATA	23,95	37,95	28,5	32,3	22,2	6	
KOS	27,08	36,80	27,5	31,4	23,6	0	
KYTHIRA	22,98	36,15	27,4	30,5	24,1	0	363
SANTORINI	25,41	36,41	27,4	30,1	24,2	0	383
SOUDA	24,12	35,55	27,6	31,4	22,7	0	383
RODOS	28,08	36,40	28,4	31	25,2	0	
MYKONOS	25,35	37,43	26,6	29	23,7	0	
HERAKLEIO	25,18	35,33	27,1	29,5	23,3	0	380
IERAPETRA	25,73	35,02	28,8	32,2	24,8	0	377
SITEIA	26,10	35,21	26,1	28	23,9	0	402
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	28,2	31,8	20,9	0	374
KASTELI	25,33	35,18	25,9	29,8	21,1	0	361
KARPATOS	27,15	35,42	26,6	29,5	24,1	0	
PAROS	25,13	37,02	28	31,3	23,7	0	397
SYROS	24,95	37,42	27,9	30,5	24,4	0	
IKARIA	26,35	37,68	26,5	28,1	25	0	

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General Description

Precipitation amounts were quite higher than normal values over southwestern Aegean sea and over central-southern mainland. The mean temperature varied slightly higher than normal everywhere, but significantly higher over western Cyclades, eastern Peloponnese and northeastern Aegean-northeastern 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/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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