




Climatic Bulletin

AUGUST 2009

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



August had all the typical characteristics of the last summer month.

Remarkable raifalls and thunderstorms recorded over the most parts of mainland and over northern Ionion sea. In parallel, the persistence of very strong and temporarily near gale force Northeastern winds, prevailed over eastern Greece during the couple of days 22-23/8, contributed to the spreading of fire which affected Northeastern Attica.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

Minimum: Relatively high values recorded almost everywhere.

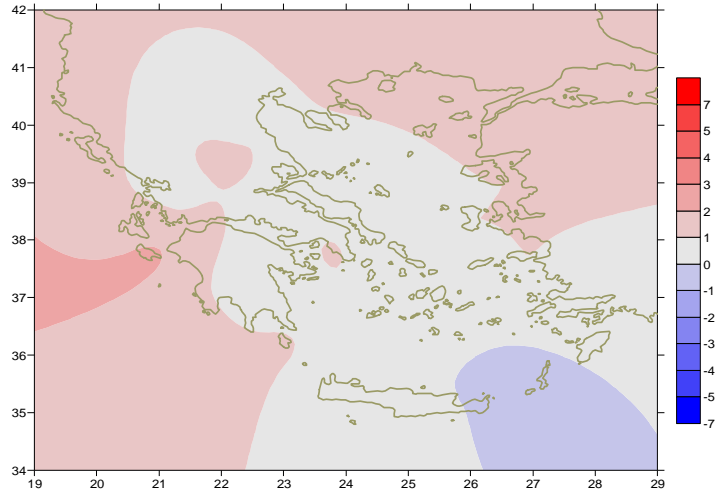
More specific:

25°C in Drama at 5/8 and 25.8°C in Ierapetra at 8/8.

Maximum: High values recorded at 5/8 falling from the next day.

More specific:

38.2°C in N. Filadelfia, 36°C in Milos, 36°C in Trikala (Thessaly) at 5/8.



Deviation of mean temperature from normal values

Second Decameron

Minimum: The values were high enough over Aegean area.

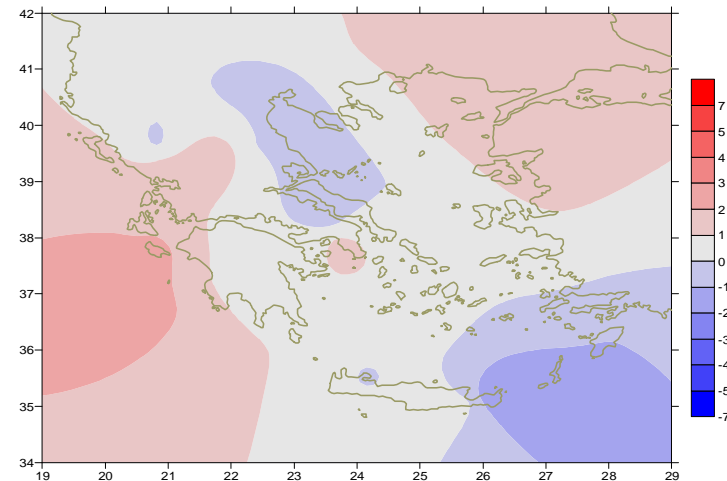
From the highest ones:

24.6°C in Rodos and 24.4°C in Kasos at 11/8.

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

For example:

36.6°C in Kerkyra and 36.2°C in Preveza at 20/8.



Deviation of maximum temperature from normal values

Third Decameron

Minimum: Quite low values recorded mainly over northwestern parts from 25/8 to 28/8.

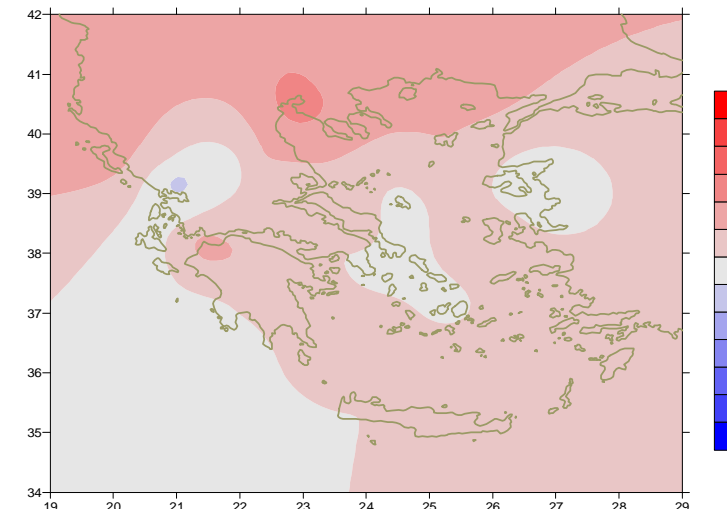
For example:

13.6°C in Ioannina, 13°C in Kozani, 12°C in Kastoria at 26/8.

Maximum: Relatively high values recorded at the end of the month.

More specific:

34.6°C in Trikala, 34.4°C in Agrinio, 35.4°C in N. Filadelfia at 30/8.



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Remarkable rainfalls and local thunderstorms recorded for a couple of days (5-6/8) over Macedonia (mainly over western parts).

More specific: 35mm in *Kastoria* (5/8),
18mm in *Thessaloniki* (6/8) and
14mm in *Trikala (Imathias)* (6/8).

Second Decameron

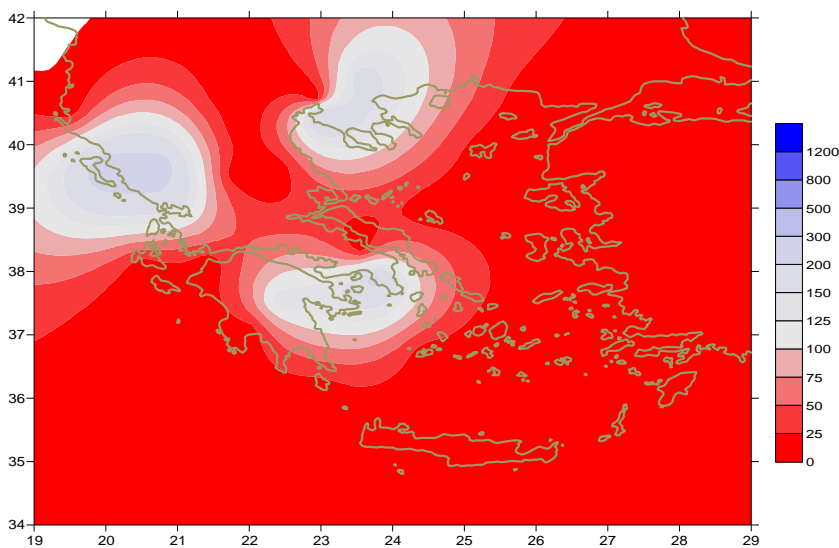
Significant precipitation heights recorded over Western-central Macedonia, Epirus and Peloponnese (11-13/8).

More specific: 23mm in *Kastoria* (12/8), 20mm in *Kalamata* (12/8),
13mm in *Konitsa* (14/8) and 11mm in *Chrissoupoli* (15/8).

Third Decameron

Locally strong thunderstorms recorded after 25/8 over Macedonia, Epirus, Northern Ionian, Peloponnese and most parts of Sterea.

More specific:
20mm in *Serres* (25/8),
40mm in *Ioannina* (29/8),
29mm in *Kerkyra* (30/8),
32mm in *N.Filadelfia* (31/8).



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	26,5	31,9	19,7	49	249
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	22,8	29,1	14,5	122	280
TRIKALA_IMATHIAS	22,55	40,60	25,8	31,8	19,4	28	270
THESSALONIKI	22,97	40,52	26,5	30,3	21,7	46	292
CHRYSOUPOLI	24,62	40,92	25,6	29,7	19,9	12	297
ALEXANDROUPOLI	25,95	40,85	27,1	32,1	19,8	0	353
KOZANI	21,83	40,28	23,7	29,1	17	0	
KERKYRA	19,92	39,62	27,8	32,3	21,3	42	308
IOANNINA	20,82	39,70	24,8	30,6	16,3	63	344
PREVEZA	20,76	38,91	27,1	31,3	22,5	0	
TRIKALA_THESSALIAS	21,77	39,52	27,5	33,7	19	0	
LARISA	22,45	39,65	27	32,3	19,2	2	306
LIMNOS	25,23	39,92	25,7	29,2	21,8	0	356
ARTA	21,00	39,17	26,6	33,6	19,3	40	332
AGHIALOS	22,78	39,21	26,8	30,5	19,8	6	312
MYTILINI	26,60	39,05	26,9	31,4	21,2	0	389
VELO	22,77	37,97	28,7	33,1	23,5	5	353
AGRINIO	21,35	38,60	27,4	34,5	18,5	13	343
LAMIA	22,43	38,87	26,7	32,6	19,6	1	277
ANDRAVIDA	21,28	37,92	27,4	32,2	19,9	0	350
SKYROS	24,48	38,96	25	27,1	22,2	0	320
ARGOSTOLI	20,50	38,12	27,5	30,9	21,6	0	370
ARAXOS	21,42	38,15	28,5	32,6	21,7	0	358
TANAGRA	23,57	38,33	26,9	31	19,5	0	357
HIOS	26,13	38,35	26,6	29,3	22,1	0	352
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	24,2	30,1	16,3	22	315
TATOI	23,78	38,10	26,7	30,1	22	0	
HELLINIKO	23,73	37,90	28,7	32,8	23,5	18	360
ELEYSINA	23,55	38,07	28,9	32,6	23,9	0	
ZAKYNTHOS	20,88	37,75	28,7	32,9	21,9	0	374
SAMOS	26,92	37,68	28,7	32,7	23,2	0	385
ARGOS	22,75	37,63	27,7	33,6	17,5	0	392
KALAMATA	22,02	37,07	26,9	31,3	19,5	36	334
NAXOS	25,37	37,10	24,8	26,8	22,5	0	382
METHONI	21,70	36,82	27	30,2	21,4	0	350
MHLOS	24,43	36,73	25,6	28,1	22,8	0	
SPATA	23,95	37,95	27,2	30,7	21,7	0	
KOS	27,08	36,80	25,9	30,1	22,7	0	
KYTHIRA	22,98	36,15	26,5	29,4	23,7	0	358
SANTORINI	25,41	36,41	25,6	28,1	22,9	0	364
SOUDA	24,12	35,55	26,1	29,8	21,5	0	373
RODOS	28,08	36,40	27,2	29,7	24,3	0	371
MYKONOS	25,35	37,43	24,6	26,7	22,1	0	
HERAKLEIO	25,18	35,33	26,2	28,6	22,8	0	358
IERAPETRA	25,73	35,02	28,1	32	24,6	0	349
SITEIA	26,10	35,21	24,9	26,7	23,5	0	366
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	27,8	32	20,4	0	347
KASTELI	25,33	35,18	24	27,7	20,2	0	344
KARPATOS	27,15	35,42	25,5	28,4	23,4	0	
PAROS	25,13	37,02					
SYROS	24,95	37,42	25,8	28	22,9	0	363
IKARIA	26,35	37,68	25,4	26,9	24	0	

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General Description

Precipitation amounts were quite higher than normal values over northern Ionian sea and over mainland (locally). The mean temperature varied slightly higher than normal values over western parts and over northeastern Aegean-northeastern mainland, as well.

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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