




Climatic Bulletin

September 2009

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



This year September with its strong rainfalls and thunderstorms quickly introduced us in a "heavy" Autumn. The duration of these phenomena was so long that ended up in the catastrophic floods in many regions of mainland and most of Greek Islands.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE



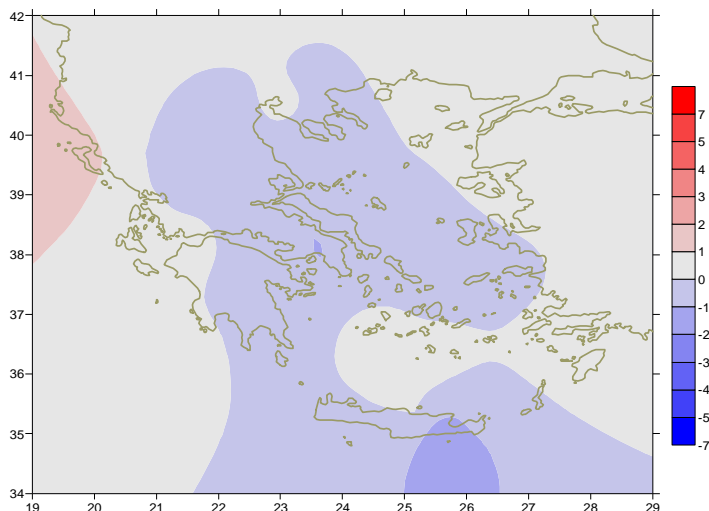
Temperature

First Decameron

Minimum: The values were initially high declining from 7/9

Some of the lowest that were noticed are 11°C in *Kastoria* at 9/9 and 12°C in *Tripoli* at 9/9.

Maximum: High values recorded mainly at 5/9: 35.2°C in *Larisa* and 34.2°C in *Serres* at 5/9 and 35°C in *N.Filadelfia* at 6/9.



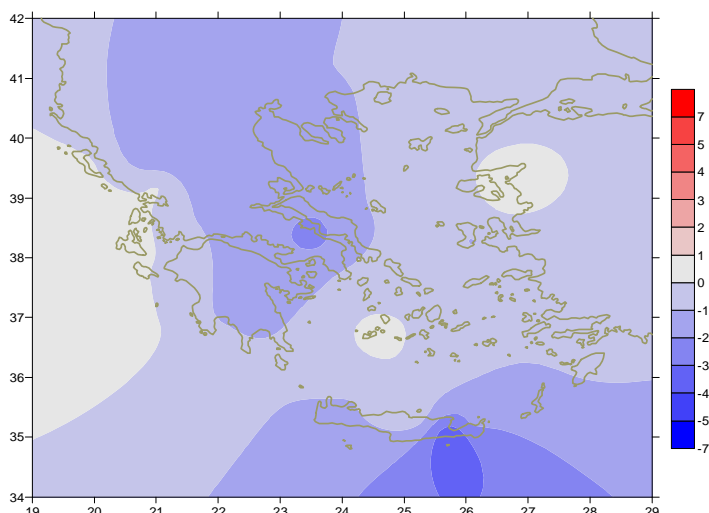
Deviation of mean temperature from normal values

Second Decameron

Minimum: The values were initially high declining from 14/9

Some of the lowest that were noticed are 12°C in *Ioannina* and 15.6°C in *Tripoli* at 16/9. at 8/8.

Maximum: From the highest values: 30.6°C in *Arta* at 12/9 and 29.2°C in *Siteia* at 14/9.



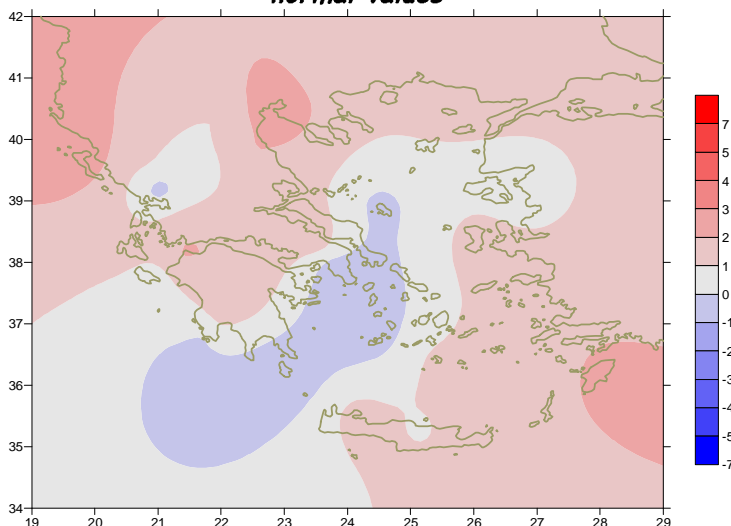
Deviation of maximum temperature from normal values

Third Decameron

Minimum: The values were relatively low over the Northwestern parts.

More specific: 7.2°C in *Kastoria*, 8°C in *Alexandroupoli* at 23/9 and 8.4°C in *Tripoli* at 29/9.

Maximum: At the end of the month the values For example: 29.2°C in *Serres*, 29.4°C in *Larisa* and 31°C in *Argos* at 30/9.



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Significant rainfalls and local thunderstorms recorded for a 3-day period (6-8/9).

More specific: 33mm in *Serres* (6/9),
28mm in *Skiathos* (7/9) and
28mm in *Kalamata* (8/9).

Second Decameron

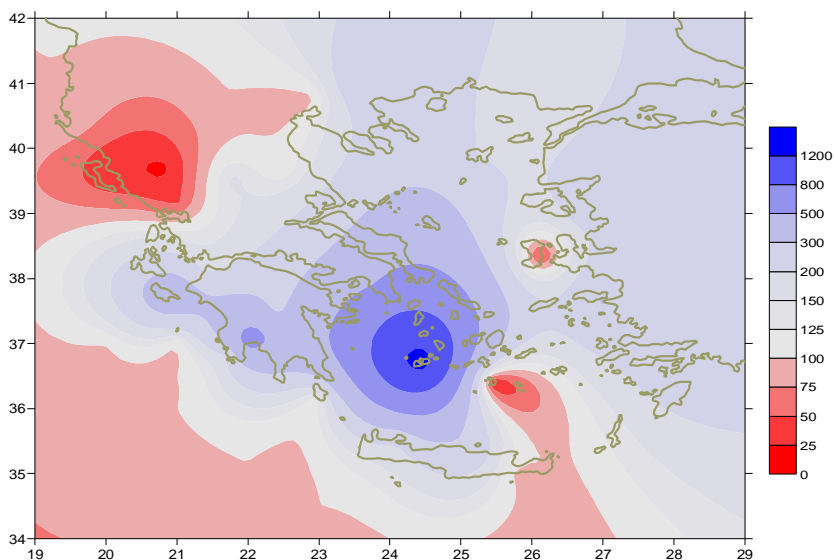
Remarkably high precipitation recorded mainly over Evia, Eastern Sterea, Central - South Aegean, Peloponnese and Crete.

More specific: 104mm in *Kimi* (Evia) (11/9),
100mm in *Karpathos* (11/9),
73mm in *Tympaki* (11/9),
35mm in *Elefsina* (12/9) and
40mm in *Pirgos* (15/9).

Third Decameron

Locally strong thunderstorms recorded at 25-26/9 over Ionion, West Sterea, and West Peloponnese.

More specific: 58mm in *Zakynthos* (26/9),
36mm in *Argostoli* (26/9),
26mm in *Methoni* (26/9),



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	21,5	26,9	15,8	58	165
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	18,6	24	12,3	9	196
TRIKALA_IMATHIAS	22,55	40,60	21,4	58,2	16,5	16	185
THESSALONIKI	22,97	40,52	21,9	25,4	17,6	33	190
CHRYSOUPOLI	24,62	40,92	21	25,5	16,2	16	197
ALEXANDROUPOLI	25,95	40,85	21,2	25,5	15,7	53	218
KOZANI	21,83	40,28	19,1	23,8	13,5		
KERKYRA	19,92	39,62	24	27,9	18,9	24	237
IOANNINA	20,82	39,70	20,3	25,2	13,6	11	198
PREVEZA	20,76	38,91	24,2	27,4	20,1	54	
TRIKALA_THESSALIAS	21,77	39,52	21,8	27,2	16,2	40	
LARISA	22,45	39,65	21,9	27,2	16,1	31	174
LIMNOS	25,23	39,92	21,5	24,8	17,4	39	227
ARTA	21,00	39,17	22,9	29,1	16,6	22	237
AGHIALOS	22,78	39,21	21,8	25,9	16,8	59	191
MYTILINI	26,60	39,05	23,3	27,2	18,8	25	281
VELO	22,77	37,97	23,3	27,6	18,4	76	202
AGRINIO	21,35	38,60	23,2	29,2	16,7	63	222
LAMIA	22,43	38,87	21,9	27,2	16,8	39	159
ANDRAVIDA	21,28	37,92	23,5	27,9	17,9	31	217
SKYROS	24,48	38,96	21,6	23,7	18,6	67	228
ARGOSTOLI	20,50	38,12	24,1	27,3	20,5	77	232
ARAXOS	21,42	38,15	24,4	28	19	41	222
TANAGRA	23,57	38,33	21,5	25,7	16,5	64	223
HIOS	26,13	38,35	22,4	25,2	19,1	27	271
PYRGOS	21,42	37,67	23,8	28,4	18,2	125	208
TRIPOLI	22,40	37,52	19,4	25,1	13,4	69	182
TATOI	23,78	38,10	21,5	25,4	17	60	
HELLINIKO	23,73	37,90	23,3	26,9	19,1	48	224
ELEYSINA	23,55	38,07	23,6	27,1	19,5	58	
ZAKYNTHOS	20,88	37,75	24	27,6	19,2	110	227
SAMOS	26,92	37,68	24,1	27,7	20,2	70	305
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	22,9	27,6	17,5	174	237
NAXOS	25,37	37,10	22,4	24,4	20,3	24	268
METHONI	21,70	36,82	24,1	26,6	19	62	244
MHLOS	24,43	36,73	22,7	25,5	19,1	80	
SPATA	23,95	37,95	22,4	26,2	17,4	27	
KOS	27,08	36,80	23,1	26,4	20,3	12	
KYTHIRA	22,98	36,15	22,6	24,7	19,4	13	202
SANTORINI	25,41	36,41	23	25,3	20,7	4	288
SOUDA	24,12	35,55	22,9	26,2	19,6	42	243
RODOS	28,08	36,40	25,2	27,6	22,6	17	288
MYKONOS	25,35	37,43					
HERAKLEIO	25,18	35,33	23,5	26,2	20,2	53	257
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	23	24,8	21,5	46	268
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	24,4	28,2	19,2	80	237
KASTELI	25,33	35,18	21,3	25,1	17,9	136	
KARPATOS	27,15	35,42	23,6	26,1	21,4	100	
PAROS	25,13	37,02					
SYROS	24,95	37,42					
IKARIA	26,35	37,68					

Climatic Bulletin

General Description

Precipitation amounts were lower than normal values over Northwestern mainland. On the contrary, over all the rest parts of Greece they were much higher. Particularly in Evia, East Sterea, East Thessaly, Peloponnese, most of Aegean and Ionian Sea, the amounts of precipitation recorded within 24 hours, were twice the monthly values. The mean temperature varied slightly lower than normal values, in general..

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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