



Climatic Bulletin

October 2009

 Max
temperature

 Min
temperature

 Mean
temperature

 Precipitation

 Sunshine
duration



October was characterized by its heavy rainfalls and thunderstorms which, in some cases, were accompanied by hail.

Floods made their appearance again in many parts of Greek mainland and islands, as well.

The barometric lows which affected Greece also caused gale force South winds.



ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ

HELLENIC NATIONAL METEOROLOGICAL SERVICE

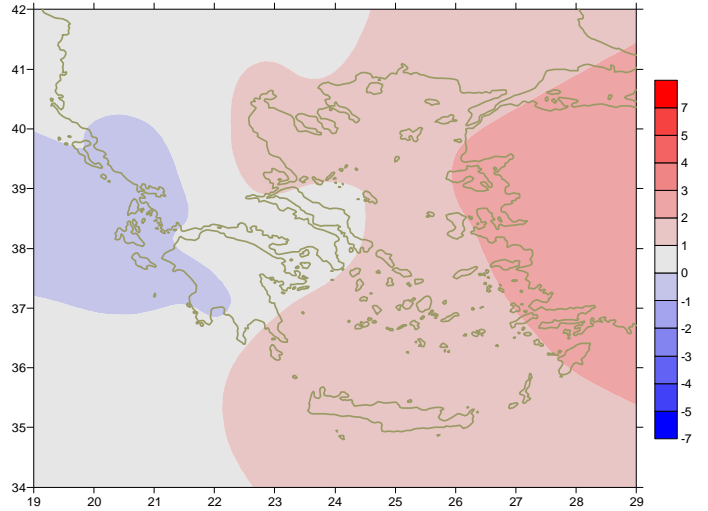


Temperature

First Decameron

Minimum: The values were relatively low over Northwestern mainland.
Some of the lowest:
 6.6°C in Kastoria at 2/10 and 5.2°C in Tripoli at 8/10.

Maximum: High values recorded mainly at the end of the period:
 30.8°C in Trikala Hmatheias, 30.8°C in Astros at 8/10 and 30.6°C in Argos at 10/10.

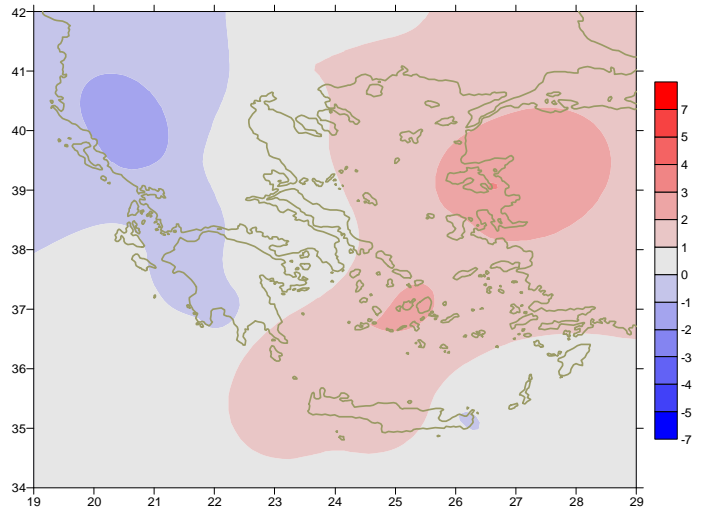


Deviation of mean temperature from normal values

Second Decameron

Minimum: The values were initially high declining from 14-15/10
Some of the lowest that were noticed are 2°C in Ioannina and 2°C in Kastoria at 14/10.

Maximum: From the highest values:
 31.5°C in Iraklion at 16/10 and 30°C in Rodos at 17/10.

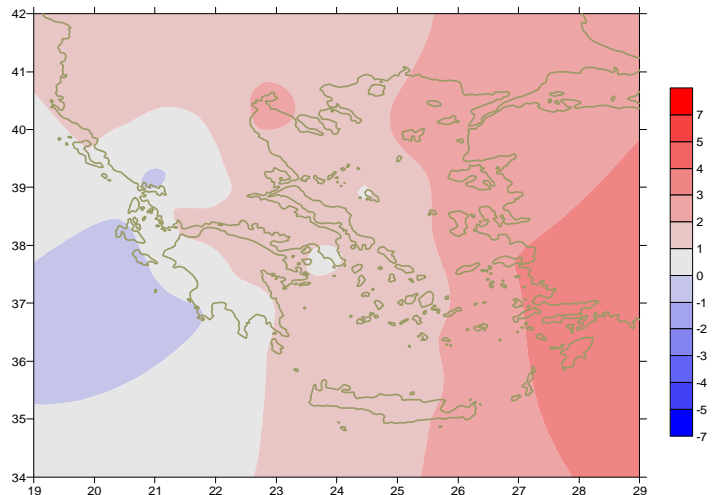


Deviation of maximum temperature from normal values

Third Decameron

Minimum: The values were relatively low over the Northwestern parts.
More specific:
 2°C in Kastoria and 4°C in Kozani at 21/10.

Maximum: In the middle of the period the values were temporarily increased.
For example:
 24.2°C in N. Filadelfia, 25.8°C in Kos at 23/10 and 25.4°C in Mitilini at 24/10.



Deviation of minimum temperature from normal values



Precipitation

First Decameron

Significant rainfalls and local thunderstorms recorded at 3/10 over Ionian Sea and western mainland.

More specific: *73mm in Kerkyra,*
38mm in Arta and
41mm in Preveza at 3/10.

Second Decameron

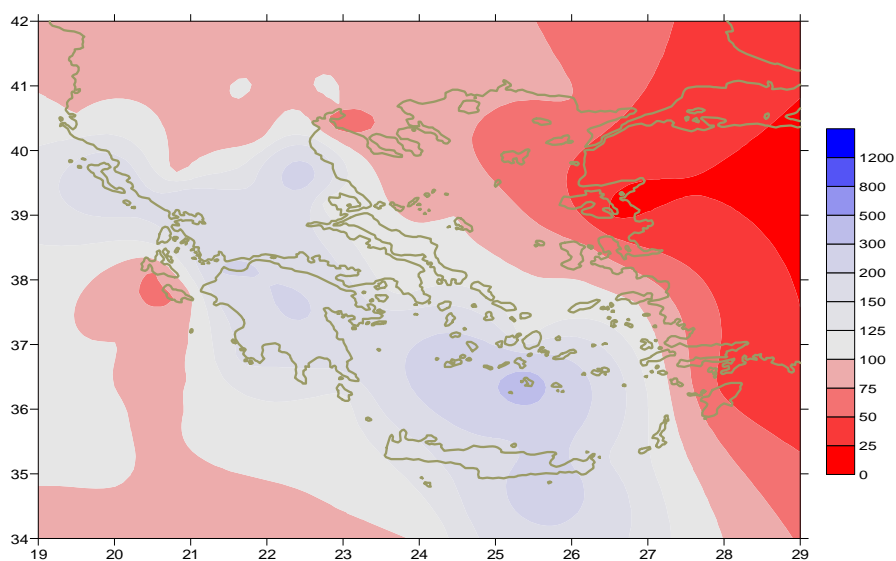
Remarkably high precipitation recorded mainly over Western Peloponnese, Western Sterea (also hail in Attica).

More specific: *73mm in Agrinio (12/10),*
66mm in Methoni (15/10),
76mm in Araxos (16/10),
44mm in Desfina (16/10) and
68mm in Pirgos (18/10).

Third Decameron

Locally strong thunderstorms recorded after 25/10 over South Aegean and Creta.

More specific: *47mm in Santorini (25/10),*
45mm in Sitia (28/10),
75mm in Kastelli (Iraklion) (29/10).



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	16,2	22	10,4	41	143
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	13	18,3	7,1	113	169
TRIKALA_IMATHIAS	22,55	40,60	16,7	22,9	11,7	54	168
THESSALONIKI	22,97	40,52	17,6	21,5	13	18	188
CHRYSOUPOLI	24,62	40,92	16,9	21	12,8	60	155
ALEXANDROUPOLI	25,95	40,85	16,9	21,3	12,3	39	171
KOZANI	21,83	40,28	14	18,7	9		
KERKYRA	19,92	39,62	18,4	22,4	14,4	280	164
IOANNINA	20,82	39,70	14,7	19,6	9,3	88	124
PREVEZA	20,76	38,91	18,8	22	16	176	
TRIKALA_THESSALIAS	21,77	39,52	16,7	22,1	11,6	111	
LARISA	22,45	39,65	17,3	22,9	11,7	118	162
LIMNOS	25,23	39,92	18,3	21,6	14,7	23	190
ARTA	21,00	39,17	17,6	23,5	12,8	239	184
AGHIALOS	22,78	39,21	18	22,4	13,1	75	185
MYTILINI	26,60	39,05	20,8	24,6	16,9	7	216
VELO	22,77	37,97	18,7	23,4	13,7	81	189
AGRINIO	21,35	38,60	17,6	23,4	12,5	195	186
LAMIA	22,43	38,87	17,9	23,3	12,9	96	165
ANDRAVIDA	21,28	37,92	18,7	23,2	14,1	113	190
SKYROS	24,48	38,96	19,1	21,8	16,3	39	165
ARGOSTOLI	20,50	38,12	19,7	23	15,8	78	218
ARAXOS	21,42	38,15	19	23,1	14,9	176	199
TANAGRA	23,57	38,33	17,6	22,3	13	58	179
HIOS	26,13	38,35	19,9	23,3	16,1	34	225
PYRGOS	21,42	37,67	19	24	14,2	162	175
TRIPOLI	22,40	37,52	14,8	20,7	9,3	168	183
TATOI	23,78	38,10	18	22	13,5	93	
HELLINIKO	23,73	37,90	19,8	23,1	16,3	54	174
ELEYSINA	23,55	38,07	20	23,6	16,3	48	
ZAKYNTHOS	20,88	37,75	19,2	23	15,7	113	215
SAMOS	26,92	37,68	21,3	24,6	17,8	28	237
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	18,3	23,6	13,4	161	216
NAXOS	25,37	37,10	20,9	23,6	18	46	204
METHONI	21,70	36,82	19,9	23,5	15,2	162	220
MHLOS	24,43	36,73	20,4	23,3	17,7	116	
SPATA	23,95	37,95	19,2	23,1	14,3	105	
KOS	27,08	36,80	21,2	24,1	18,6	88	
KYTHIRA	22,98	36,15	20,6	22,9	17,9	64	145
SANTORINI	25,41	36,41	20,9	23,4	18,3	105	240
SOUDA	24,12	35,55	20,1	24,1	16,7	126	201
RODOS	28,08	36,40	22,8	25,3	20,3	24	224
MYKONOS	25,35	37,43	19,9	22,3	18,2	135	
HERAKLEIO	25,18	35,33	21,2	24,7	17,6	116	213
IERAPETRA	25,73	35,02	22,2	25,4	19	151	219
SITEIA	26,10	35,21	21,1	23,4	19	91	212
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06	21,1	25,5	16,1	70	200
KASTEI	25,33	35,18	18,7	23,1	14,8	200	205
KARPATHOS	27,15	35,42	21,9	22,4	20	66	
PAROS	25,13	37,02					
SYROS	24,95	37,42	20,5	23,3	17,8	89	230
IKARIA	26,35	37,68	20,7	22,5	18,9	77	

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General Description

Precipitation amounts were lower than normal values over Northeastern mainland.
 On the contrary, over all the rest parts of Greece they were higher, particularly in Evia, Sterea, East Thessaly, Peloponnese, most of Aegean Sea.
 More specific over Southeastern Aegean and Eastern Crete the precipitation amounts were remarkably high.
 The mean temperature varied slightly higher than normal values, over Eastern Greece.

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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