

# **ANALYSIS AND ASSESSMENT OF WINTER 2012-2013 (PRECIPITATION AND AIR TEMPERATURE) FOR GREECE**

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## **WINTER 2012-2013**

### **ANALYSIS OF PRECIPITATION**

Months DEC 2012, Jan 2013 and FEB 2013 (DJF) **were wetter than normal** for almost the whole country.

*(The reference climatological period is 1971-2000).*

During this period, the prevailing meteorological conditions over Greece was the pattern of an SW upper flow with successive short-wave troughs and the corresponding surface depressions moving eastwards from the west. This pattern is favorable for producing large amount of precipitation at the windward areas of the country and especially at the windward part of the Pindos mountain range which is placed almost vertically to this SW flow.

Analytically:

#### **Over WEST part:**

the total-DJF amount of precipitation was about 1.5 times greater than normal, while some areas over NorthWest part experienced more than 2-times of rainfall.

#### **Over NORTH part:**

the total-DJF amount of precipitation was about normal, while over NorthEast part some areas received almost 200% of normal.

#### **Over the islands of Creta and Cyclades (SOUTHERN part):**

the total-DJF amount of rainfall was less than 100% of normal.

Exception is the western part of this area which exceeds the normal values about 120%.

#### **Over the islands of East Aegean Sea and Dodecanese (EAST and SOUTH-EAST part):**

the total-DJF height of rainfall was about normal and up to 1.5 times at the places favorable to the SW upper-flow pattern.

#### **Over Thessalia, East Sterea - Evoia and East Peloponnese (MAINLAND of CENTRAL and EASTERN part of Greece):**

the total-DJF amount of rainfall was about 1.5 times greater than normal.

Especially, for the **area of Athens (capital of Greece) and Attica:**

during this period the amount of rainfall was above normal values, while locally exceeded the 200% of normal.

## **WINTER 2012-2013**

### **ANALYSIS OF TEMPERATURE**

The winter 2012-2013 (DJF) was **hotter than normal** for almost the whole country.

Especially,

#### **The MEAN, MAXIMUM and MINIMUM TEMPERATURE:**

The mean-DJF  $T_{\text{mean}}$ ,  $T_{\text{max}}$  and  $T_{\text{min}}$  were slightly above the normal values, while at the SouthEast part of the country the values were 1.5 – 2.5° C above the 1961-1990 average.

Exception was locally at the SouthWest part of Greece (area favorable to the above described SW upper-flow pattern) due to broken/overcast cloudiness.