

SALLJEX precipitation database version 3

This database includes a highly dense spatial coverage of daily precipitation data for the period 15/Nov/02-15/Feb/03 over Argentina, Paraguay and Uruguay and only GTS data over the rest of the countries in the SALLJEX region.

Each record has the following information separated by the character ";": day; month; hour; latitude; longitude; observation; observation code; Station name; Province ;Country; Institution name.

Comments about some fields:

Hour: UTC time

Latitude and longitude: their numeric values have the decimals denoted with "," and not with a dot. For example it says "-32,15" and not "-32.15".

Observation: it is the precipitation accumulated until that particular date and time. The observations are positive numbers excepting for missing data denoted by "-9". Also the decimals are denoted by a ",".

Observation units: mm

Observation codes:

A: Precipitation observation accumulated for more than 24hs.

U: It is always associated with a zero value of precipitation. It means that we still have to check whether actually there was no precipitation or whether that particular observation was missing. Several institutions don't record a "zero" precipitation. Our preliminar evaluations show that most of them are actually zero and in the subsequent versions of the dataset that will be modified.

D: 24-hour accumulated precipitation observation.

M: Missing observation.

T: Traces of precipitation were observed.

Station name ;Province;Country;Institution name: these fields might include blanks.

Institution name: It is the name of the institution who provided us the information. There are data for some stations coming from two different institutions. Therefore, in order to help you to take the decision regarding which data are the most reliable ones, you should take into account that the following national institutions (SAGyP, BCER, Acopiadores) provide data originally measured from other local ones and thus their data might be less reliable. For example: there are data for the station CAMPO LARGO provided by both "APA Chaco" and "SAGyP". The data provided by "APA Chaco" which is the institution that owns that particular station should be the most reliable.

Some Comments about the data from the Argentinean Institutions:

The Institutions with the poorest data quality are:

‘Administracion Provincial de Recursos Hídricos (Santiago del Estero) ‘
‘ICCA Instituto Correntino de Administración del Agua’
‘Recursos Hidricos Santa Fe’

The Institution from Santa Fe has some days records for ‘an area’ or group of stations rather than for each of the stations.

In the Province of Tucuman there are information from 3 different institutions. The one with the best data quality is INTA Tucuman, then ‘Direccion Provincial de Vialidad’ and that with the poorest data quality is ‘Red Policial’.

‘Consortio del Fuego’ makes the observations at 18UTC.