# Weather Integrator > [download here](#)

Data integrator implementation in java for integrating weather information datasets composed of spatio-temporal points.

This work provides a mechanism for enriching spatio-temporal point records (records that contain longitude, latitude and date information) with weather data; attributes that describe characteristics of the prevailing weather conditions, such as temperature. The weather data can be found in GRIB files that store the values of weather attributes in serialized form and refer to a specific time period and to a specific geographical area (or the whole globe).

## Features

- The records of spatio-temporal points (dataset) that are to be enriched, may be stored in files (such as CSV) or in a Kafka topic
- The records of spatio-temporal points (dataset) that are to be enriched may be either in JSON or in delimiter separated format
- The output result (enriched records) may be written either in files or in Kafka topic
- The weather data source can be accessed either locally or via HDFS during the integration procedure

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