

***Interactive comment on “A high space-time resolution dataset linking meteorological forcing and hydro-sedimentary response in a mesoscale Mediterranean catchment (Auzon) of the Ardèche region, France” by Guillaume Nord et al.***

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Dear reviewer, We thank you for your careful reading of the paper. Before replying point by point to your comments, I realize that a lot of your comments are related to data accessibility. So, I have a general question: were you able to download the bundled data? I mean the files "zip1\_auzon.zip" and "zip2\_auzon.zip" available from the link to the data repository included in the abstract of the paper (<http://mistral.sedoo.fr/MISTRALS/?editDatsId=1438>). Access to the file "zip1\_auzon.zip" is totally public (see the flag "Direct access to public data") and does

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not require any identification. Access to the file "zip2\_auzon.zip" is subject to the HyMeX data policy. We created a special account to allow publishers and reviewers to download this file "zip2\_auzon.zip". We had sent a "cover letter" to the publisher at the time of submission of the paper to explain the procedure to download all the data (in particular the username and password of the account that enable to download the file "zip2\_auzon. Zip "). Have you received this explanatory note? This bundling service represented an important task. It was performed to ease the download tasks for the interested users (as described in Section: 5 Data availability) as it enables to avoid the download of each individual datasets (41 in total). Best regards.

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Interactive comment on Earth Syst. Sci. Data Discuss., doi:10.5194/essd-2016-32, 2016.

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**MISTRALS database**

**Dataset Edition**

**General information**

Dataset name	Auzon data paper
DOI	10.6096/MISTRALS-HyMeX.1438 Citation: Nord Guillaume; (2016): Auzon data paper; SEDOO OMP. <a href="https://doi.org/10.6096/MISTRALS-HyMeX.1438">https://doi.org/10.6096/MISTRALS-HyMeX.1438</a>
Created on	2016-05-12
Useful in the framework of	HyMeX
Dataset Contact	Nord Guillaume - LTHE (PI or Lead scientist)
Data access	<input checked="" type="checkbox"/> Dataset as provided by the Principal Investigator <input checked="" type="checkbox"/> Direct access to public data
History	<span style="color: #800080;">Initial</span> 2016-07-13

**Data description**

A high space-time resolution dataset linking meteorological forcing and hydro-sedimentary response in a mesoscale Mediterranean catchment (Auzon) of the Ardèche region, France is released. This dataset spans the period 1 January 2011-31 December 2013. It includes a research network of 21 rain gauges and 5 min or 1h rain gauges (5 min time step for the research network of 21 rain gauges and 5 min or 1h time step for the 5 rain gauges) and 100 soil moisture sensors (10 min or 1h assimilation rates) (1 km<sup>2</sup>, 5 min resolution), disdrometers (10 sensors working at 500s or 1 min time step) and 5 Doppler Radars (5 sensors, 100 m height resolution). Additionally, during a special observation period, a 1000 m high resolution enhanced observation period (Sep-Dec 2012, Sep-Dec 2013) of the HyMeX (Hydrological Cycle

**Fig. 1.**

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