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The Aura Validation Data Center (AVDC): Current and Future activities

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The Aura Validation Data center (AVDC) is a centralized, long term archive for data validation, mainly in support of the Earth Observing System (EOS) Aura validation and science activities, but also supports other A-train and Earth Science satellites validation activities.

As well as hosting all Aura Level 2 data and special campaigns measurements, the AVDC also collects and harmonizes correlative datasets of various satellites, balloon, ground-based, and aircraft measurements. In addition, the center provides regular 16 day instrument field-of-view FOV predictions for Aura, Aqua, Terra, and S-NPP accompanied by ground stations and special campaigns overpass FOV's. Data subsets for key ground stations and special campaigns are routinely posted on the AVDC website, and special subsets are also provided upon PI's and user's request.

We will present an overview of the AVDC current activities in support of NASA Earth Science missions, such as Aura, NPP, and other EOS validation efforts, as well as our future plans which includes expanding the data center support to SAGE III on ISS.