



AHS and CASI Processing for the REFLEX Remote Sensing Campaign: Methods and Results

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Abstract

The airborne spectroradiometers AHS and CASI were used as a source of hyperspectral and thermal remote sensing data during the REFLEX campaign. Data geolocation and a first simple atmospheric correction was performed by INTA in near-real time with a specific on-site setup and distributed to all campaign participants. In this paper we present briefly the AHS and CASI REFLEX flight campaign followed by a detailed description of the methodology used for image processing and finally the results obtained in terms of image quality. As a conclusion, near-real time processing for AHS and CASI level 1 geolocated products was successful as most of CASI level 2 results but further work is needed for achieving accurate AHS level 2 products.

Key words: AHS, CASI, image processing, remote sensing.