

Prof. Arnon Karnieli

The Remote Sensing Laboratory
Jacob Blaustein Institutes for Desert Research
Ben-Gurion University of the Negev
Sede-Boker Campus 84990, ISRAEL
Tel: +972-8-6596855 Mobile: +972-52-8795925
Fax: +972-8-6596805
E-mail: karnieli@bgu.ac.il



פרופ' ארנון קרניאלי

המעבדה לחישה מרחוק
המכונים לחקר המדבר ע"ש יעקב בלאושטיין
אוניברסיטת בן-גוריון בנגב
קמפוס שדה-בוקר 84990
טלפון: 08-6596855 נייד: 052-8795925
פקס: 08-6596805

<http://www.bgu.ac.il/BIDR/research/phys/remote>

Science from Above

December 15, 2018

Dear colleagues,

Re: VEN μ S periodic news – 15 December 2018

First, we would like to use this opportunity to thank all the presenters and participants in the 1st International VEN μ S Conference and Workshops including the 15 oral presentations and 3 workshops. I hope all agree that this was a fruitful meeting.

A few comments regarding the status of the VEN μ S data processing:

- (1) For implementing the technological mission, no images were acquired between Sep. 15 and Oct. 7, 2018. The technological mission is aimed at qualifying an Israeli electric propulsion technology (IHET), built by RAFAEL, and demonstrating its mission enhancement capabilities. The technological mission is imbedded within the scientific mission by using different orbits. In addition, one month, every year, from Sep. 15 to Oct. 14, is devoted entirely to the technological mission. This month was selected due to less agriculture activities in the northern hemisphere.
- (2) From Oct. 9 till Dec. 12, 2018, the calculations of the cloud percentage of the L1 products was not reliable. Some non-cloudy acquisitions have cloud_percentage value close to 100%. Consequently, the L2 products of these acquisitions are not valid.

In order to give the opportunity for all Israeli users to download L1 produced between Oct. 9 and Dec. 12, 2018, independently from their choice of max. cloud coverage, we will shortly unlock this constraint on the website (only for L1 produced in this period of time).

We encourage the users to download the L1 images and perform an independent atmospheric correction. In this regard, aerosol and water vapor data can be acquired from 5 Aeronet sites located along the country – in Eilat, Seder Boker, Rehovot, Haifa, and Kiriath Shmona (<https://aeronet.gsfc.nasa.gov/>).

The reprocessing of the L2/L3 with the corrected cloud coverage will be performed in collection 3 (we are now processing collection 1).

Regards,

Manuel and Arnon