VU Research Portal

Assessment	of global	atmospheric	ammonia	using IASI	intrared	satellite (observat	ions
van Damme,	M.							

2015

document version

Publisher's PDF, also known as Version of record

Link to publication in VU Research Portal

citation for published version (APA)

van Damme, M. (2015). Assessment of global atmospheric ammonia using IASI infrared satellite observations.

General rightsCopyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
 You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the public portal?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

Download date: 21. May. 2021



Cover page: Satellite image of irrigated cropland in Kansas (United States) from ASTER, 24 June 2001. The 3 bands that were used are in the green, red, and near infrared parts of the spectrum. Common crops are corn, wheat and sorghum. Green areas in the image are healthy vegetation. Light colored cultivated fields are fallow or recently harvested. The image shows center-pivot irrigation systems that are 800 and 1600 m in diameter. This area utilizes irrigation water from the Ogallala aquifer, that underlies an area from Wyoming to Texas. Image and text adapted from NASA/GSFC/METI/Japan Space Systems and U.S./Japan ASTER Science Team.
This research was funded by a FRIA PhD grant from the F.R.SFNRS. The research in Belgium was funded by the F.R.SFNRS and the Belgian State Federal Office for Scientific, Technical and Cultural Affairs (Prodex arrangements C-4000103226 and 4000111403 IASI.FLOW). We gratefully acknowledge support from the ÉCLAIRE project, funded under the EC 7th Framework Programme (Grant Agreement No. 282910), and from the PANDA project (Grant Agreement No. 606719). The research in the Netherlands was partly supported by the NWO. IASI has been developed and built under the responsibility of the "Centre National d'Etudes Spatiales" (CNES, France). It is flown on-board the MetOp satellites as part of the EUMETSAT Polar System. The IASI L1 data are received through the EUMETCast near real-time data distribution service.
Printed by: Presses Universitaires de Bruxelles asbl