



MEMORANDUM

From : IDEAS+ AATSR QC Team
Document Ref : IDEAS+-VEG-OQC-REP-2316 (previously IDEAS-VEG-OQC-REP-1053)
To : AATSR Users
Date : 27 July 2015
Issue : 1.3
File ID : IDEAS+-VEG-OQC-REP-2316 ATSR_sciencelists 1-3.doc

SUBJECT : ATSR Scientific Document Listing

This document provides links to scientific papers, or lists thereof, that involve ATSR data.

The ATSR Exploitation Board website also gives a list of ATSR science publications at: <http://atsrsensors.org/publications.htm>

There is also a special issue of *Remote Sensing of the Environment* dedicated to AATSR: "Advanced Along Track Scanning Radiometer (AATSR)", Special Issue, edited by D. Llewellyn-Jones, J. Remedios & R. Saunders, *Remote Sens. Envir.* Vol. 116, pp. 1–250 (2012) at: <http://www.sciencedirect.com/science/journal/00344257/116>

Scientific Papers

(In alphabetical order of first author's name)

Embury O. *et al.* (2011) A reprocessing for climate of sea surface temperature from the along-track scanning radiometers. In *Proc. 2011 EUMETSAT Meteorological Satellite Conference*, Oslo, Norway, 5–9 September 2011:

http://www.eumetsat.int/website/home/News/ConferencesandEvents/PreviousEvents/DAT_2039705.html

Fabrizi R., Bonafoni S. & Biondi R. (2010) Satellite and ground-based sensors for the urban heat island analysis in the city of Rome. *Remote Sensing* Vol. 2(5), 1400–1415:

<http://www.mdpi.com/2072-4292/2/5/1400/>

Giriraj A. *et al.* (2010) Tracking fires in India using Advanced Along Track Scanning Radiometer (AATSR) data. *Remote Sensing* Vol.2(2), 591–610:

<http://www.mdpi.com/2072-4292/2/2/591/>

Illingworth S. M., Remedios J. J. & Parker R. J. (2009) Intercomparison of integrated IASI and AATSR calibrated radiances at 11 and 12 um. *Atmos. Chem. Phys.* Vol. 9, 6677–6683:

<http://www.atmos-chem-phys.net/9/6677/2009/acp-9-6677-2009.html>

Llewellyn-Jones D. *et al.* (2001) AATSR: global-change and surface-temperature measurements from ENVISAT. ESA Bulletin No. 105:

http://www.esa.int/esapub/bulletin/bullet105/bul105_1.pdf

Merchant C. J., MacCallum S. N. & Layden A. (2010) Lake surface temperature and ice cover. In *Proc. 2010 EUMETSAT Meteorological Satellite Conference*, Cordoba, Spain, 20–24 September 2010:

http://www.eumetsat.int/website/home/News/ConferencesandEvents/PreviousEvents/DAT_2042511.html



Merchant C. J. *et al.* (2012) A 20 year independent record of sea surface temperature for climate from Along-Track Scanning Radiometers. *J. Geophys. Res. Oceans* Vol. 117, C12013:

[doi: 10.1029/2012jc008400](https://doi.org/10.1029/2012jc008400)

Minnett P. J. & Corlett G. K. (2012) A pathway to generating Climate Data Records of sea-surface temperature from satellite measurements. *Deep-Sea Res. II* Vol. 77–80, 44–51:

[doi: 10.1016/j.dsr2.2012.04.003](https://doi.org/10.1016/j.dsr2.2012.04.003)

Noyes E. J. *et al.* (2005) Validation of the AATSR gridded sea surface temperature product with *in situ* measurements from the M-AERI. In *Proc. Envisat and ERS Symposium*, Salzburg, Austria, 6–10 September 2004. ESA SP 572, pp. 213–222:

http://www.leos.le.ac.uk/group/ejn2/FILES/envisat_symposium_paper_aatsr_maeri_sst.pdf

C. A. Poulsen *et al.* (2012) Cloud retrievals from satellite data using optimal estimation: evaluation and application to ATSR. *Atmos. Meas. Tech.*, Vol. 5, 1889–1910:

[doi: 10.5194/amt-5-1889-2012](https://doi.org/10.5194/amt-5-1889-2012)

Sayer A. M. *et al.* (2011) Global retrieval of ATSR cloud parameters and evaluation (GRAPE): dataset assessment. *Atmos. Chem. Phys.* Vol. 11, 3913–3936:

<http://www.atmos-chem-phys.net/11/3913/2011/acp-11-3913-2011.html>

Smith D. L. & Cox C. V. (2013) (A)ATSR solar channel on-orbit radiometric calibration. *Geo. Remote Sensing IEEE Trans.* Vol. 51, 1370–1382:

[doi: 10.1109/TGRS.2012.2230333](https://doi.org/10.1109/TGRS.2012.2230333)

Thomas G. E. *et al.* (2010) Validation of the GRAPE single view aerosol retrieval for ATSR-2 and insights into the long term global AOD trend over the ocean. *Atmos. Chem. Phys.* Vol. 10, 4849–4866:

<http://www.atmos-chem-phys.net/10/4849/2010/acp-10-4849-2010.html>

Thomas G. E. *et al.* (2013) Regional and monthly and clear-sky aerosol direct radiative effect (and forcing) derived from the GlobAEROSOL-AATSR satellite - aerosol product, *Atmos. Chem. Phys.* Vol. 13, 393–410:

[doi: 10.5194/acp-13-393-2013](https://doi.org/10.5194/acp-13-393-2013)

Tomazic I. & Kuzmic M. (2011) Improving regional AVHRR SST measurements using AATSR SST data. In *Proc. 2011 EUMETSAT Meteorological Satellite Conference*, Oslo, Norway, 5–9 September 2011:

http://www.eumetsat.int/website/home/News/ConferencesandEvents/PreviousEvents/DAT_2039705.html

Veal K. L. *et al.* (2013) A time series of mean global-skin SST anomaly using data from ATSR-2 and AATSR. *Remote Sens. Environ.* Vol. 135, 64–76:

[doi: 10.1016/j.rse.2013.03.028](https://doi.org/10.1016/j.rse.2013.03.028)

Meetings and Conferences

2nd MERIS/(A)ATSR User Workshop, ESA/ESRIN, Frascati, Italy, 22–26 September 2008:

http://earth.esa.int/workshops/meris_aatsr2008/

Envisat Calibration Review, ESTEC, Noordwijk, The Netherlands, 9–13 September 2002:

<https://earth.esa.int/documents/10174/1591138/ENVI55>



Envisat Symposium (2007) Proceedings of the Envisat Symposium 2007, Montreux, Switzerland, 23–27 April 2007. ESA SP 636. ESA Publications, Noordwijk, The Netherlands:

<http://earth.esa.int/workshops/envisatsymposium/proceedings/contents.html>

Envisat Validation Workshop, ESRIN, Frascati, Italy, 9–13 December 2002:

http://envisat.esa.int/pub/ESA_DOC/envisat_val_1202/proceedings/

MAVT (2003) Working Meeting on MERIS and AAATSR Calibration and Geophysical Validation, ESRIN, Frascati, Italy, 20–24 October 2003:

http://envisat.esa.int/workshops/mavt_2003/

MAVT (2006) Proceedings of the Second Working Meeting on MERIS and AAATSR Calibration and Geophysical Validation (MAVT-2006), ESRIN, Frascati, Italy, 20–24 March 2006. ESA SP 615, ESA Publications, Noordwijk, The Netherlands:

http://envisat.esa.int/workshops/mavt_2006/