

ATSR

International Workshop on the Applications of the ERS

ALONG TRACK SCANNING RADIOMETER

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Hosted by: **ESA** and **Rutherford Appleton Laboratories**

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Earth Observations Quarterly no. 65 – ATSR Special Issue	
Record of Images – Supplement to EOQ	

POSTER SESSION

Disaster Mitigation and Satellite Utilization in the East African Region

L. Ouko (Abstract/paper not available)

Animation and Stereo Products from ATSR to Support Operational and Climatic Monitoring of Arctic Sea Ice

M. Schokr, H. Le

Quality Assessment of Cloud-Top Height Derived from ATSR(2) Stereo using Ground-Based Multi-Frequency Radar and Laser Ceilometer Data at the UK Chilbolton Radar Facility during CLARE98

J.-P. Muller (Abstract no. 30)

The Retrieval of Cirrus Cloud Microphysical and Bulk Properties from ATSR-2

S.R. Watts, A. J. Baran, P.D. Watts, M.J. Webb, P. Yang (Abstract no. 13)

Pre-Launch Calibration of AATSR

D. Smith (Abstract no.23)

On the Use of ATSR Satellite Images for Wind Resource Assessment

C. Hasager (Abstract no.37)

Volcano Surveillance Using Shortwave Infrared Thermal Data from the ERS Along Track Scanning Radiometers

M. J. Wooster, D. A. Rothery

Application of Hierarchical Estimation Methods to Interpolation of SST Data

M.J. Murray, M.R. Allen, P.W. Fieguth

The Impact of 12 Micron Detector Temperature on ATSR-1 Data Processing

A. R. Birks (Abstract no.16)

Derivation of Cloud Parameters for GOME from ATSR-2 Data

A. Stevens (Abstract no. 42)

Atmospheric and Optical Processing Chain

P. Houdry (Abstract no. 58)

The New ESA/ESRIN ATSR Near Real Time Service: Development, Operation and Data Distribution

A. Buongiorno (Abstract no. 52)

ATSR Rush Fire Service

P. Goryl, A. Buongiorno, O. Arino, P. Colagrande, J.M. Rosaz

EL NIÑO and LA NIÑA Observed with ERS

Cardon

Exploitation of the Synergy between ERS ATSR-2 and GOME: A Comparative Analysis of ATSR Temperatures and Reflectances with GOME NO₂ Data to Investigate the Pollution Effects of Burning Activities.

P. Colagrande, A. Buongiorno, S. Casadio, C. Zehner

CAL/VAL / AATSR

Validation Planning for AATSR

D. Llewellyn-Jones, I.M. Parkes, M.D. Steven, C.T. Mutlow, T. Nightingale, C.J. Donlon, J. Foot, A.F. Prata, I. Grant

Calibration of the ATSR-2 Visible / Near Infra-Red Channels

D. Smith (Abstract no. 19)

Ongoing Validation of ATSR SST Products

I.J. Barton

Validation of ATSR-2 Land Surface Reflectance Data

M. D. Steven, G. Rondeaux, F. Prata, G. Mackay, J.A Clark

Validation Of Satellite-Derived Ocean Skin Temperatures Using The M-AERI

P.J. Minnett, the M-AERI team

Sea Surface Temperature Validation Results from the MUBEX '97 Experiment

T. Sheasby, I. Parkes, D. Llewellyn-Jones, T. Nightingale, R. Yokoyama, S. Tanba

A Validation Framework for Envisat AATSR Sea Surface Skin Temperature Observations

C.J. Donlon, I.S. Robinson, J. Murray

The Envisat AATSR Processing Algorithms and Data Products

A. R. Birks

LAND

The Use of ATSR-2 for Tropical Forest Mapping within the Joint Research Centre's TREES Project

H.D. Eva, F. Achard, P. Mayaux, H.-J. Stibig, E.Janodet

Using ATSR-2 Data to Understand the Temporal and Spatial Dynamics of Vegetation in the Arid Region of Jordan

M. Edwards, J. Wellens, A. Millington

The ATSR and SAR Data for Vegetation Monitoring

K. Dabrowska-Zielinska, M. Gruszczynska, W. Kowalik

Land Surface Temperature Derived from the ATSR

A. Shepherd (Abstract no. 53)

Adaptive Algorithms for Burned Surfaces Automatic Estimation by ATSR-2 Data

I. Piccolini, O. Arino

The ATSR World Fire Atlas and a Synergy with POLDER Aerosol Products

O. Arino,, J. Rosaz, P. Goloup

Comparison of ATSR and NOAA AVHRR Hotspot Data Acquired during an Exceptional Fire Event in Kalimantan (Indonesia)

F. Siegert, A. Hoffmann, S. Kuntz

Dual-View Operational Atmospheric Correction for ATSR-2 Imagery

P.R.J. North

CLOUDS/AEROSOLS

Improved Cloud Detection and Cross-Calibration of ATSR, MODIS and MERIS Data

J.J. Simpson

Cloud Detection Over Land Surfaces in ATSR-2 Images

R. Smith, S. Hobbs

Exploiting the Synergy of GOME and ATSR-2 for the Retrieval of Aerosol Properties Over Land and Ocean

T. Holzer-Popp, M. Schroedter, G. Gesell

Mapping Aerosol Optical Depth over Europe Using ATSR-2 Data

G. de Leeuw, C. Robles-Gonzalez, J.P. Veeffkind

Cloud Fraction and Cloud Top Pressure Retrieval from GOME compared with ATSR-2 Measurements

R.B.A. Koelemeijer, P. Stammes

An Automated Processing System for Cloud-Top Height and Amount from ATSR(2) Stereo

J.-P. Muller, R. Dundas, D. Bower

The Effect of Ice Crystal Shape on the Retrieval of Aerosol Properties over Land and Ocean

W. H. Knap, P. Stammes, R. B. A. Koelemeijer

Optimal Estimation of Cloud Parameters from Visible and Infrared ATSR-2/AATSR Measurements

P. Watts (Abstract no. 5)

SST / CLIMATE

Use of the ATSR Series in the Construction of a Long-Term SST Record for Climate Change Detection

A. Harris, B. Candy

Skin Sea Surface Temperature Retrievals - the Asymptotic Approach to Perfection?

C. J. Merchant, A. R. Harris, M. J. Murray

Comparisons Between ATSR Derived SSTs and AVHRR SSTs

J. Vazquez, R. Sumagaysay

Analysis of ATSR-1, ATSR-2 and AVHRR Data for Studies of Global Sea Surface Temperature Trends and Annual Variations

P. Knudsen (Abstract no. 48)

OCEANS

ATSR SST Observations of Kelvin and Rossby Waves Compared with TOPEZ/Poseidon Sea Level Anomaly

J.P. Angell, S.P. Lawrence

Combination of ATSR, Altimeter and Ocean Colour Observations to Study Circulation and its Effects on Biology in a Mesoscale Area

P. Cipollini, H.M. Snaith, J.T. Allen, S.G. Alderson, T.H. Guymer (Abstract no. 45)

Correlations Between Altimetric Sea Surface Height and Radiometric Sea Surface Temperature in the South Atlantic

T.H. Guymer (Abstract no.21)

Improved Monitoring of Oceanographic Features in the Gulf of Oman through Combined Use of Satellite Thermal Infra-Red, Ocean Colour & Radar Altimeter Observations

W. Aicken, S. Shimwell, N. Stapleton

Accurate Remotely Sensed Sea Surface Observations in the Canary Islands Region

J.P. Marrero, O. Llinás

Monitoring the Southern North Sea "Clean Seas" Site using a Combination of Remote Sensing Techniques

H.M. Snaith, V. Barale, M. Gade, A. Mangin, G. Jolly, O. Rud

Extratropical Planetary Waves Observed in the ATSR Global Sea Surface Temperature Record

K. Hill, I. Robinson, P. Cipollini

Use of ATSR Data to Study Physical Processes in Lake Baikal

S.P. Lawrence, H.L. Le Core