



# **(A)ATSR Exploitation Plan Volume 3**

**Peer reviewed (A)ATSR Scientific Exploitation**

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# 1 INTRODUCTION

## 1.1 Overview

This document is Volume 3 of the (A)ATSR Exploitation Plan (AEP). It contains lists of scientific papers that have used (A)ATSR data.

The purpose of the document is to provide a comprehensive overview of the types of research that have been undertaken using (A)ATSR data.

The document is intended to act as a resource to help the (A)ATSR Exploitation Board (AEB) to formulate further developments in the use of (A)ATSR data.

## 1.2 Format of this document

This document is Volume 3 of the AEP. It is split into two sections:

1. Introduction

This section provides an overview of Volume 3, its aims and structure.

2. Peer reviewed literature that includes (A)ATSR

This section lists the scientific papers that are known to have used (A)ATSR data:

**Category 1:** Climate research and prediction

**Category 2:** Ocean processes

**Category 3:** Land surface processes

**Category 4:** The atmosphere

**Category 5:** The cryosphere

**Category 6:** Operational

**Category 7:** Calibration/validation

**Category 8:** Retrievals

## 1.3 Strategy for updating this document

Volume 3 will be updated on an annual basis or as directed by the AEB.



## **2 PEER REVIEWED LITERATURE THAT INCLUDES (A)ATSR**

### **2.1 Overview**

This section contains lists of scientific papers that have used (A)ATSR data.

The papers have been extracted from the ISI Web of Science and grouped into specific categories. Encouragingly, the total list of (A)ATSR publications is extensive and growing. Hence this listing is representative of work exploiting (A)ATSR data and will not necessarily contain every publication that has used (A)ATSR data.

The current version contains publications appearing in the literature by early 2009. The lists will be updated in future versions of Volume 3.



## 2.2 Category 1 – climate research and prediction

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- Barton, I.J. and Prata, A.J. Satellite-derived Sea-Surface Temperature data sets for climate applications *ADVANCES IN SPACE RESEARCH*, 16, No.10, 127-136, 1995



## 2.3 Category 2 – ocean processes

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## APPENDIX A: LIST OF ACRONYMS

AATSR	Advanced Along-Track Scanning Radiometer
(A)ATSR	All three ATSR instruments
AEB	(A)ATSR Exploitation Board
AEP	(A)ATSR Exploitation Plan
AO	Announcement of Opportunity
ATSR	Along-Track Scanning Radiometer
ATSR-1	The ATSR instrument on the ERS-1 satellite
ATSR-2	The ATSR instrument on the ERS-2 satellite
DUP	Data User Programme
ECMWF	European Centre for Medium Range Weather Forecasting
Envisat	Environmental Satellite
ERS	Earth Remote Sensing satellite
ESA	European Space Agency
ESRIN	European Space Research Institute
GHRSSST-PP	GODAE High Resolution SST Pilot Project
GMES	Global Monitoring of the Environment and Security
GODAE	Global Ocean Data Assimilation Experiment
L2P	[GHRSSST-PP] Level 2 Products
LAI	Leaf Area Index
NWP	Numerical Weather Prediction
PI	Principal Investigator
SEP	Science Exploitation Plan
SST	Sea Surface Temperature
UoL	University of Leicester
UV	Ultra Violet
VS	Validation Scientist