



Science & Technology Facilities Council  
Rutherford Appleton Laboratory

NEODC NSI RSD8090



# **NEODC Service Level Agreement (SLA): AATSR Radiance Log Service**

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### Revision History

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## 2 Introduction

This document details the Service Level Agreement for the AATSR radiance log service supplied for operation on the SSE Portal as part of the NSI project by the NERC Earth Observation Data Centre. This service is for the generation of a time series radiance log from ATSR and AATSR data. This service has been developed in response to a perceived need within the user community to easily find, manipulate and access data at the NEODC with the added bonus of highlighting the capabilities of the ESA SSE.

### 2.1 Definitions

- i. **Service:** NEODC AATSR Radiance Log.
- ii. **Customer:** is a potential or actual user of the Service.
- iii. **User:** is a Customer of the Service.
- iv. **Operator:** is the NERC Earth Observation Data Centre (NEODC), Space Science and Technology Department, STFC Rutherford Appleton Laboratory, Chilton, Didcot, OX11 7RX. The legal entity representing the NEODC is the Science and Technology Facilities Council (STFC). For the purposes of this SLA, “NEODC” is synonymous with “STFC”.

### 2.2 Helpdesk

- v. A telephone helpdesk will be provided to users of the Service between the hours of 9:30 am to 12:00 and 14:00 to 17:00, British Local Time, Monday to Friday, excluding all public holidays.
- vi. The telephone number to contact is +44 1235 778123. This is the number of the NEODC helpdesk.
- vii. Alternatively, users can seek support by email, addressed to the NEODC at [neodc@rl.ac.uk](mailto:neodc@rl.ac.uk) . Email support requests shall be dealt with during the office hours described above.
- viii. Users must have prepared for use of the help desk facility by being able to clearly state the nature of the problem. They will also need to give their name and contact details.
- ix. Support will be specific to issues related only to the use and execution of the NEODC SSE services; it will not generally be given in response to general enquiries about SSE, web service standards, general IT, computer operating system, communications, etc.
- x. Users will be made aware of the procedures / methods for contacting the service provider via the service description information and the contact details given for NEODC in the “Organisations” section of the SSE portal.

## 2.3 Scope of Service – Service Elements

- i. The “NEODC AATSR Radiance Log” (hereafter, service #2) service allows users to generate a graphical radiance log for a discrete geographical location using specified channels and look directions from ATSR1, ATSR2 and AATSR data in the NEODC “aatsr\_multimission” archive. The user will be supplied with a graphical log where suitable data exists in addition to xml and text files containing raw and processed data suitable for further manipulation by the user. Each order will consist of the radiance log and associated files for a single geographical location as specified by the user. Access to this service must be requested by each registered SSE user and the NEODC will check whether the user has appropriate ESA Category-1 access or other UK (NERC) affiliations.

## 2.4 Quality of the Product

- i. Data for service 2 is provided in the form of a graphical radiance log in PNG format. Raw data used to generate this log is also provided for the user for their own research. Raw data is provided in the form of an ASCII text log in a tab delimited text file for use with spreadsheet applications. An xml file is also provided that contains individual pixel data and associated relevant metadata extracted from the original ENVISAT format data file. The quality of the extracted data is dependant on the quality of the original input data and the efficiency of the extraction performed by Brockmann BEAM. Where issues are known to affect quality users will be notified as part of the service delivery. The NEODC will endeavour to ensure that data and software extractions are as accurate as possible within reason.
- ii. Errors intrinsic to the original format datasets are not the NEODC’s responsibility.
- iii. NEODC does not guarantee the quality and accuracy of derived data products.
- iv. The NEODC will endeavour to act upon any reports of inaccuracies in derived data products.

## 2.5 Service Availability

### 2.5.1 Normal service availability

- i. The NEODC services shall be available for 95% of office-working hours (defined as 9 – 5 British Local Time, Monday to Friday, excluding public holidays in the UK).
- ii. The services shall also be made available out of office hours excepting that breakdowns need not be addressed out of hours.
- iii. Scheduled downtime of the service for service maintenance will depend upon the maintenance steps required. However, two weeks notice will be provided to Spacebel and ESA prior to service removal.

- iv. In the event of planned downtime (e.g. in the case of the need for failure correction), or in the case of service degradation, the service description information on the SSE Portal will be updated to indicate the unavailability of the service and/or the current problem with the service.
- v. Unexpected failures of the services shall be rectified as soon as possible.
- vi. Due to the distributed nature of the internet the service may be unavailable to some groups of users due to local or intermediate point network failure. NEODC cannot accept responsibility for such circumstances.
- vii. The operator will coordinate with Spacebel on any major system configuration changes.
- viii. The operator will support Spacebel staff in order to identify and isolate problems of relevance to the operator, as needed.

### **2.5.2 Scheduled events**

- i. There are currently no scheduled events that would affect normal service availability.

## **2.6 Processing and Delivery Time**

### **2.6.1 Product processing**

- i. Output products will normally be available within 5 -60 minutes of submitting the order. The service is dependant on external software for successful operation and the performance of the service may deteriorate with large volumes of extracted data by numerous users at the same time. For large orders using this service we suggest splitting the operation across different orders (i.e. 1 per year of instrument data).

### **2.6.2 Informing users of processed product**

- i. Upon completion of the order, a response message is created which includes all the information the user requires to locate, access and download the product(s).
- ii. The message will be returned via the SSE Toolbox to the user at the SSE Portal.

### **2.6.3 How products are made available to users**

- i. Products are made available to users either via an FTP URL at the order completion stage for easy downloading of processed data.
- ii. If the user is a registered NEODC/BADC user the data will also be available for download within the users own NEODC/BADC download area by command line FTP.

### **2.6.4 Product storage and disposal**

- i. Products delivered via FTP will be stored in the user directory for 5 days after which the data file(s) and user directory will be deleted.

## **2.7 Price and Payment Conditions**

### **2.7.1 Price conditions**

- i. This service will be supplied for free to SSE users authorised for access by the NEODC. All users must satisfy the data access conditions of the NEODC AATSR\_MULTIMISSION dataset and other conditions imposed upon the NEODC by ESA for this dataset (i.e. minimum ESA Category-1 or NERC authorisation to be provided at time of access request).
- ii. At present charging mechanisms are not outlined, and it is requested that users contact the NEODC directly to discuss commercial service provision models.

### **2.7.2 Payment conditions**

- i. No payment is expected for use of this service (subject to future review by the NEODC).

### **2.7.3 Complaints**

- i. Complaints regarding the service shall be accepted under the following conditions:
  - The supplied product did not meet the order details submitted by the user.
  - The data was not supplied within the agreed time-scale.
  - The data was not available to download
- ii. Complaints regarding the service shall be dealt with in the following time-frame and process:
  - Complaints will be dealt with on an individual basis.





- Complains will be fully investigated.
- Complaints will be dealt with within two weeks.

## 2.8 Terms of Use and Legal Restrictions

- i. No legal restrictions apply to the use of this service

### 2.8.1 Rights of Product

- i. NEODC claims no rights to any output product.

## 2.9 Warranty

- i. Reasonable Endeavours: NEODC makes no warranty as to the absolute or general accuracy of any final product produced by this service and its fitness for purpose and does not take any responsibility for loss or corruption (accidental or otherwise) of any customer input data. It is the customer's responsibility to ensure they have made adequate copies of any data supplied as inputs to the service and that the parameters supplied with any input data are valid and accurate.
- ii. No other warranties: The foregoing provisions of this clause represent the entire liability of the Service Provider in respect of a defective Product. All other conditions, warranties of any kind, written, oral, statutory, expressed or implied by statute or common law with respect to the Product provided by NEODC, including, but not limited to the implied warranty of satisfactory quality, merchantability and fitness for purpose, are hereby excluded.
- iii. No liability for consequential damage: The foregoing provisions state the entire obligation of the Service Provider with respect to the Products and in no event shall the Service Provider be liable in any way for any loss of profit, loss of turnover, economic or consequential loss suffered by the customer or any third party arising directly or indirectly from this contract.

## 2.10 Force Majeure

- i. NEODC shall not be liable for any failure to perform its obligations arising from circumstances outside its control including but not limited to acts of God, war, riots, terrorist activities, civil disturbance, explosions, fire, floods, meteorite strike, super-volcanic eruption, animal attack (venomous or otherwise), unusually severe weather, strikes, acts of government or of any authorities, delay by suppliers, accidents and shortage of materials, labour or manufacturing facilities.

## 2.11 Arbitration

- i. Any dispute arising under or in connection with these Conditions or the provision of the Service(s) or Products shall be referred to arbitration by a single arbitrator appointed by agreement or (in default) nominated on the application of either party.
- ii. English Law shall apply to the Contract, and the parties agree to submit to the exclusive jurisdiction of the English Courts.

## 2.12 Termination

- i. If the customer defaults in or commits any breach of any of its obligations to NEODC, NEODC shall have the right forthwith to terminate the contract in whole or in part.

## 2.13 Disclaimer

### 2.13.1 Disclaimer of liability

- i. With respect to documents or data provided via this server, neither NEODC nor any of its employees, makes any warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, Product, or process disclosed, or represents that its use would not infringe privately held rights.

### 2.13.2 Disclaimer of endorsement

- i. Reference herein to any specific commercial Product, process, or Service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favour of NEODC.
- ii. The views and opinions expressed herein do not necessarily state or reflect those of NEODC, and shall not be used for advertising or Product endorsement purposes.

### **2.13.3 Trademarks**

- i. All brand names and product names are trademarks or registered trademarks or service marks of their respective owners.

## **2.14 Additional information**

### **2.14.1 Security measures**

- i. The operator will take reasonable steps to protect the SSE infrastructure and resources from unauthorised access, monitoring or tampering.
- ii. Servers are located in a secure room and are protected from external login via the RAL firewall. However, mandatory access to HTTP and FTP facilities (required for service functionality) necessarily reduce security. The Operator takes no responsibility for loss or damage resulting from unauthorised access, monitoring or tampering attributable to its systems.

### **2.14.2 Service Documentation**

- i. The operator will keep up to date and under configuration control all aspects of the service as defined in the technical service documentation delivered to Spacebel & ESA.
- ii. The operator agrees to provide to Spacebel & ESA on request by ESA staff, information on equipment layout, network schematic, network connectivity and their exact locations.

### **2.14.3 Service updates**

- i. Based on significant feedback from the service users, the operator undertakes to investigate the need for service updates (where resources permit and there are sound operational and/or commercial reasons to do so).