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**Joint Polar Satellite System (JPSS)**  
**Algorithm Specification Volume III:**  
**Operational Algorithm Description (OAD)**  
**for the OMPS Total Column RDR/SDR**



National Aeronautics and  
Space Administration

**Goddard Space Flight Center**  
**Greenbelt, Maryland**



**Joint Polar Satellite System (JPSS) Algorithm Specification  
Volume III:  
Operational Algorithm Description (OAD) for the OMPS  
Total Column RDR/SDR  
JPSS Review/Approval Page**

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(Electronic Approvals available online at [https://jpssmis.gsfc.nasa.gov/frontmenu\\_dsp.cfm](https://jpssmis.gsfc.nasa.gov/frontmenu_dsp.cfm))

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## Preface

This document is under JPSS Algorithm ERB configuration control. Once this document is approved, JPSS approved changes are handled in accordance with Class I and Class II change control requirements as described in the JPSS Configuration Management Procedures, and changes to this document shall be made by complete revision.

Any questions should be addressed to:

JPSS Configuration Management Office  
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## Change History Log

Revision	Effective Date	Description of Changes (Reference the CCR & CCB/ERB Approve Date)
Rev -	Aug 08, 2013	This was approved by the JPSS Ground ERB via <b>474-CCR-13-1117</b> on the effective date shown.



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## **1 Introduction**

### **1.1 Scope**

The scope of this document is to inform the user of Joint Polar Satellite System (JPSS) Algorithm Specification Volume III: Operational Algorithm Description (OAD) for the OMPS Total Column RDR/SDR of the available and applicable Operational Algorithm Description(s) (OAD) or sections contained within an OAD (in the case of multiple algorithms contained within one OAD).

#### **1.1.1 Details of scope**

This document is a pointer to independently established OADs, available on the JPSS MIS server. In the case of multiple algorithms contained within one OAD, the appropriate section will be detailed in Section 3.0.

### **1.2 Purpose**

The Joint Polar Satellite System (JPSS) Algorithm Specification Volume III: Operational Algorithm Description (OAD) for the OMPS Total Column RDR/SDR contains the reference(s) to applicable OAD(s).

### **1.3 Organization**

Section 1 provides information regarding the scope, purpose, and organization of this document.

Section 2 lists parent documents and related documents that were used as sources of information for this document or that provide additional background information to aid understanding of the interface implementations.

Section 3 provides the titles of applicable OAD(s).



## 2 Related Documentation

The latest versions of all document(s) below should be used. The latest JPSS document(s) can be obtained from URL: [https://jpssmis.gsfc.nasa.gov/frontmenu\\_dsp.cfm](https://jpssmis.gsfc.nasa.gov/frontmenu_dsp.cfm). JPSS document(s) have a document number starting with 474.

### 2.1 Parent Documents

N/A.

### 2.2 Applicable Documents

The following document(s) is (are) the Applicable Document(s) from which this document has been derived. Any modification to an Applicable Document will be reviewed to identify the impact upon this document. In the event of conflict between an Applicable Document and the content of this document, the JPSS Algorithm ERB has the final authority for conflict resolution.

Document Number	Title
474-00001-01	Joint Polar Satellite System (JPSS) Common Data Format Control Book – External Volume I - Overview
474-00001-05	Joint Polar Satellite System (JPSS) Common Data Format Control Book – External (CDFCB-X) Volume V – Metadata Formats

### 2.3 Information Document

Document Number	Title
470-00041	Joint Polar Satellite System (JPSS) Program Lexicon



### **3 Applicable OAD(s)**

The following OADs are related to Joint Polar Satellite System (JPSS) Algorithm Specification Volume III: Operational Algorithm Description (OAD) for the OMPS Total Column RDR/SDR:

474-00077 Joint Polar Satellite System (JPSS) Operational Algorithm Description (OAD)  
Document for Ozone Mapping and Profiler Suite (OMPS) Total Column (TC) Sensor Data  
Records (SDR) Software