



# SSM/I Ocean Products

## 1. IDENTIFICATION INFORMATION

Name	SSM/I Ocean Products
Edition	Version-6
Abbreviation	SSM/I
Metadata Identifier	SSM_I20230727075527-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

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### 2.2 CONTACT on PROJECT

## 3. DOCUMENT AUTHOR

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Organization	DrC/JAMSTEC
E-mail	higarashi@jamstec.go.jp

## 4. DATASET CREATOR

Name	Remote Sensing Systems
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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

revision : 2006-09-13

## 7. DATASET OVERVIEW

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## 7.1 Abstract

These Special Sensor Microwave/Imager (SSM/I) data products are produced as part of NASA's Pathfinder Program. Remote Sensing Systems generates SSM/I data products using a unified, physically based algorithm to simultaneously retrieve ocean wind speed (at 10 meters), water vapor, cloud water, and rain rate. This algorithm is a product of 15 years of refinements, improvements, and verifications.

## 7.2 Topic Category(ISO19139)

oceans

## 7.3 Temporal Extent

Begin Date	1987-07-09
End Date	2009-07-22
Temporal Characteristics	daily, 3-day, weekly, monthly

## 7.4 Geographic Bounding Box

North latitude bound	90
West longitude bound	-180
Eastbound longitude	180
South latitude bound	-90

## 7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	1440	0.25 (deg)
column	720	0.25 (deg)

## 7.6 Geographic Description

global

## 7.7 Keywords

### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	ocean, satellite	

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## 7.7.2 Keywords on Project

## 7.8 Online Resource

SSMI / SSMIS Description Site : [http://www.ssmi.com/ssmi/ssmi\\_description.html](http://www.ssmi.com/ssmi/ssmi_description.html)

CEOP Satellite Datasets ( DMSP\_F13 > SSMI > 1BBRTE ) data download : <https://data.diasjp.net/dl/storages/filelist/dataset:103>

CEOP Satellite Datasets ( DMSP\_F14 > SSMI > 1BBRTE ) data download : <https://data.diasjp.net/dl/storages/filelist/dataset:104>

CEOP Satellite Datasets ( DMSP\_F15 > SSMI > 1BBRTE ) data download : <https://data.diasjp.net/dl/storages/filelist/dataset:105>

CEOP Satellite Datasets ( DMSP\_F16 > SSMIS > 1BBRTE ) data download : <https://data.diasjp.net/dl/storages/filelist/dataset:182>

CEOP Satellite Datasets ( DMSP\_F17 > SSMIS > 1BBRTE ) data download : <https://data.diasjp.net/dl/storages/filelist/dataset:183>

## 7.9 Data Environmental Information

## 7.10 Distribution Information

name	version	specification
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## 8. DATA PROCESSING

### 8.1 Data Processing (1)

#### 8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

<http://www.ssmi.com/papers/ssmi.pdf>

<http://www.ssmi.com/papers/rain.pdf>

#### 8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used
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## 9. DATA REMARKS

## 10. DATA POLICY

### 10.1 Data Policy by the Data Provider

Permission is granted to use these data and images in research and publications when accompanied by the appropriate instrument or product specific statement.

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SSM/I data are produced by Remote Sensing Systems and sponsored by the NASA Earth Science MEaSUREs DISCOVER Project. Data are available at [www.remss.com](http://www.remss.com).

## 10.2 Data Policy by the Project

## 11. LICENSE

## 12. DATA SOURCE ACKNOWLEDGEMENT

### 12.1 Acknowledge the Data Provider

### 12.2 Acknowledge the Project

## 13. REFERENCES

Wentz F. J. 1997, "A well-calibrated ocean algorithm for SSM/I", *J. Geophys. Res.*, Vol. 102, No. C4, pg. 8703-8718.

Wentz, Frank J. and Roy W. Spencer, May 1, 1998, "SSM/I Rain Retrievals within a Unified All-Weather Ocean Algorithm", *Journal of the Atmospheric Sciences*, Vol. 55, pg. 1613-1627.