



ADEOS-II Science Project Status

14 November, 2001 ADEOS-II GLI
Workshop 2001 TOKYO
Naoto MATSUURA
Earth Observation Research Center

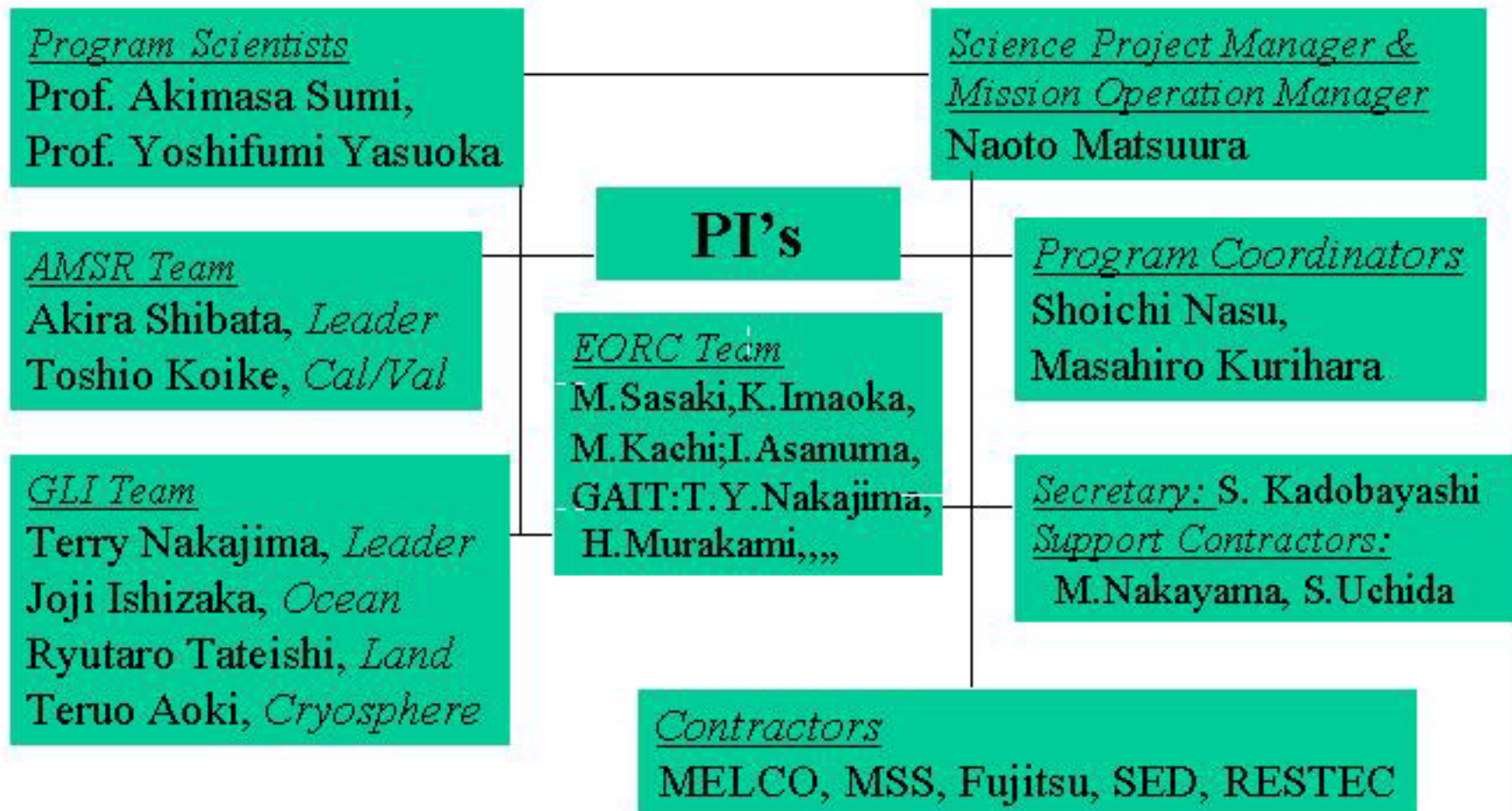
Science Projects at EORC

- JERS-1 : data 92-98
- ADEOS : data 96-97
- TRMM : data 98-
- ***AQUA/AMSR-E : Launch March.2002***
- ***ADEOS-II : Launch Nov. 2002***
- ALOS : Launch 2004
- ***GCOM : data 2002 - 2017 (TBD)***

ADEOS-II Science Project Scope of Work

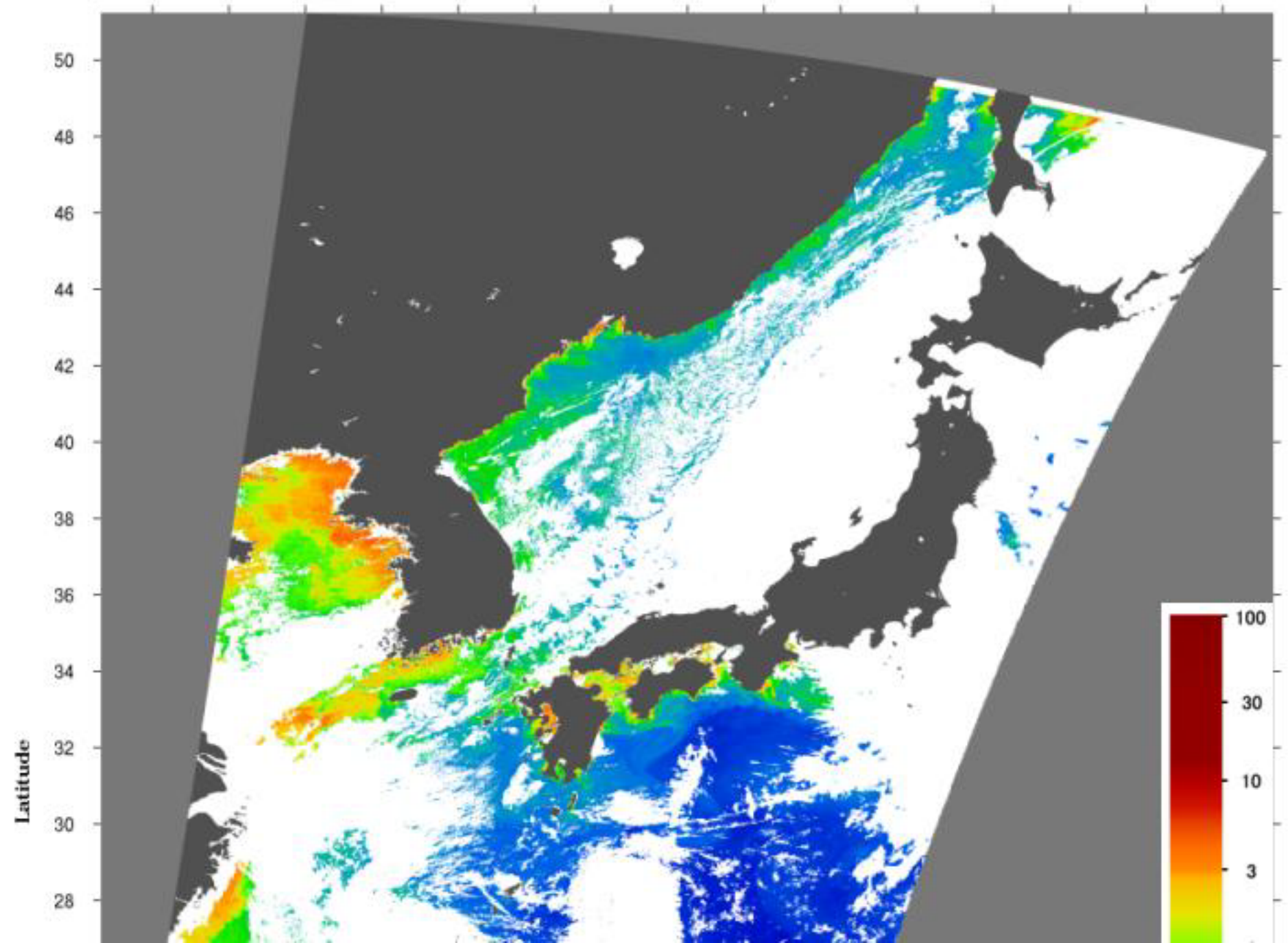
- Higher-order Algorithm Development
- Calibration & Validation
- Processing System Development
- Science Team

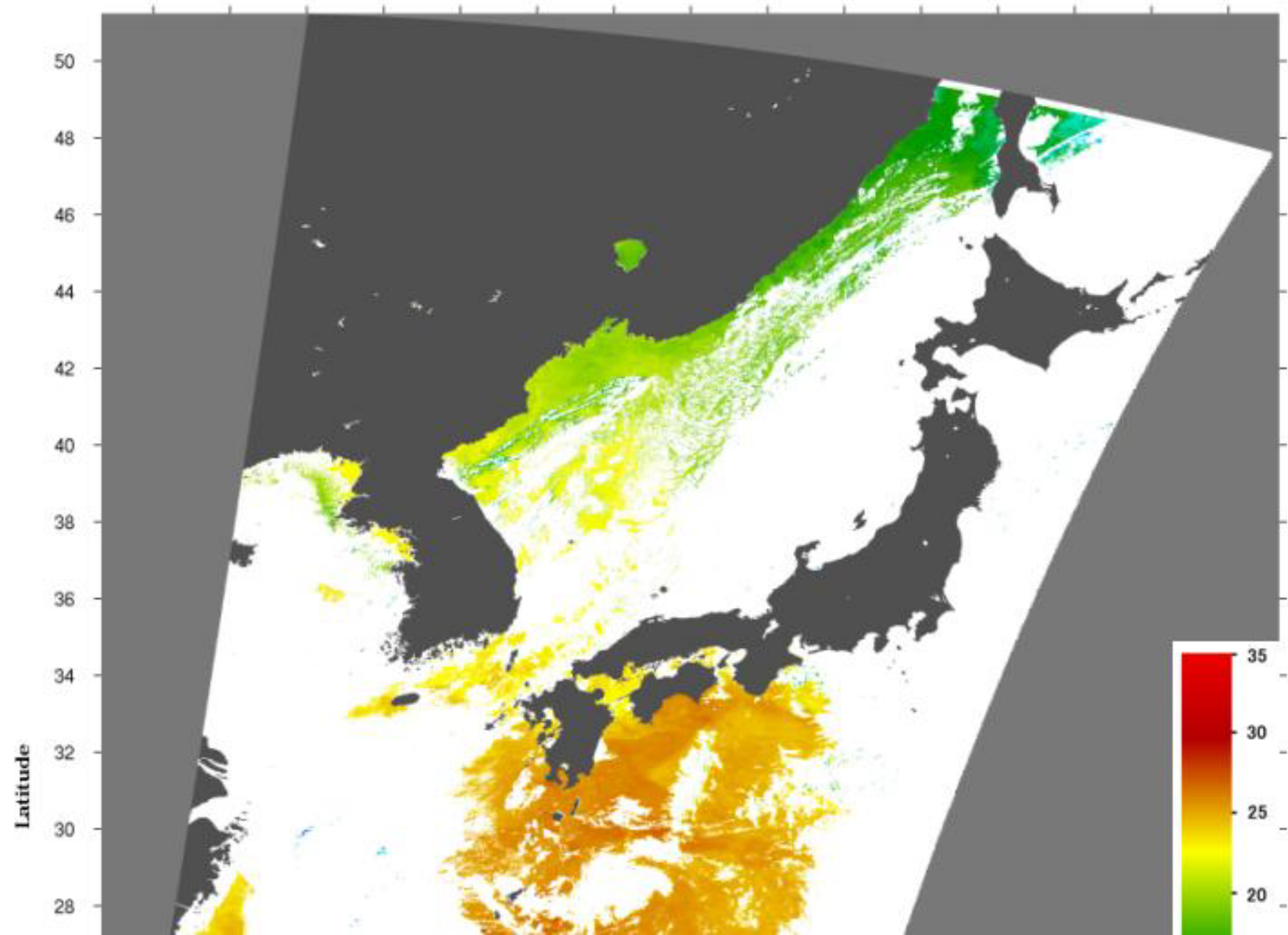
ADEOS-II Science Project Organization



ADEOS-II Geophysical Products

- **GLI < overview >**
 - Aerosol parameters
 - Cloud parameters
 - Chlorophyll-a
 - Colored Dissolved Organic Matter
 - Suspended Solid weight
 - Sea Surface Temperature
 - Vegetation Index
 - Snow Grain Size & Impurities





ADEOS-II Geophysical Products

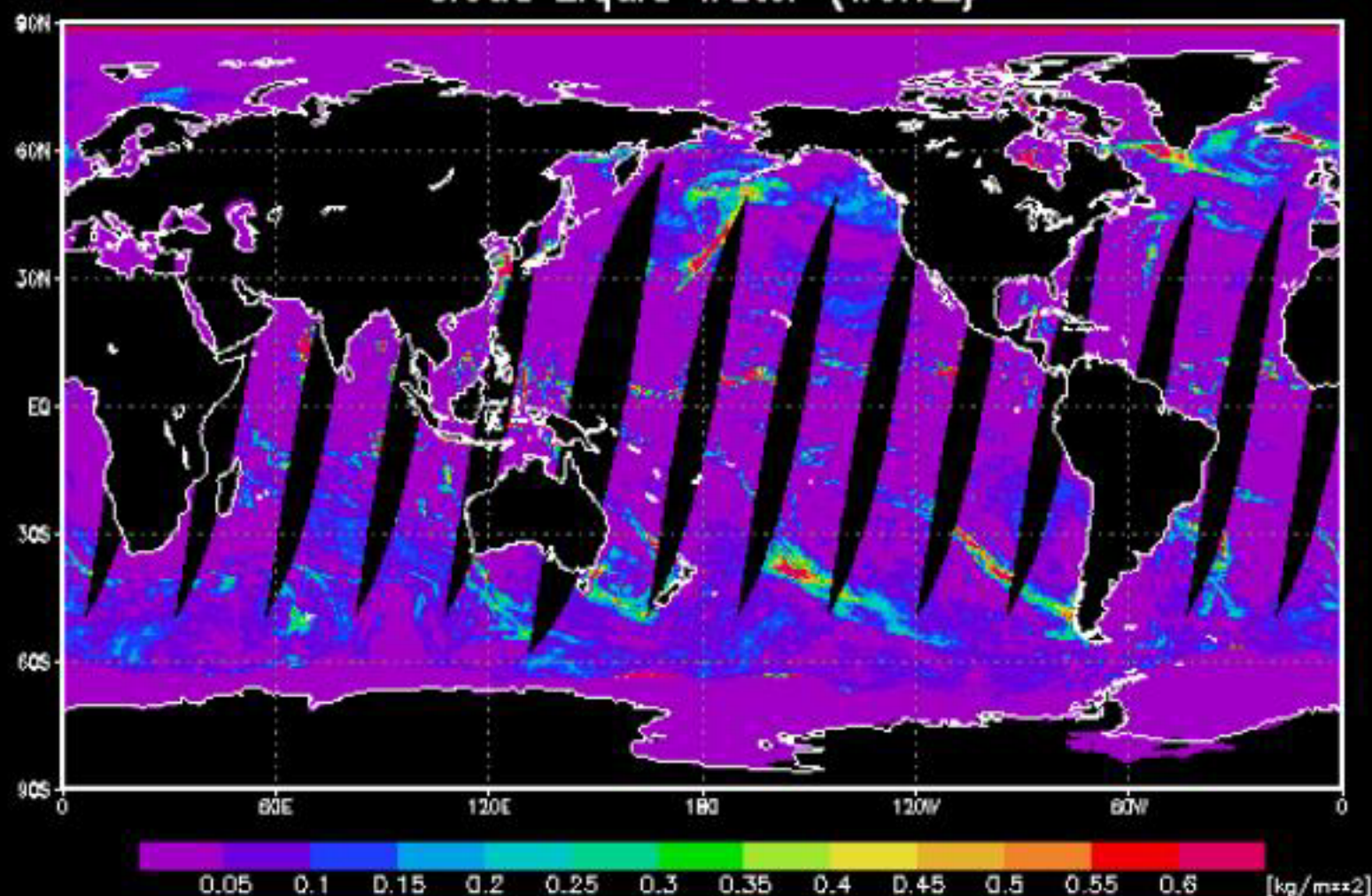
- **AMSR** < same for AQUA/AMSR-E >
 - Water Vapor
 - Cloud Water
 - Precipitation
 - Sea Surface Wind Speed
 - Sea Surface Temperature
 - Sea Ice
 - Snow Depth
 - Soil Moisture (Research Product)

AMSR Level 3 Standard Product - Cloud Liquid Water

ADEOS-II AMSR

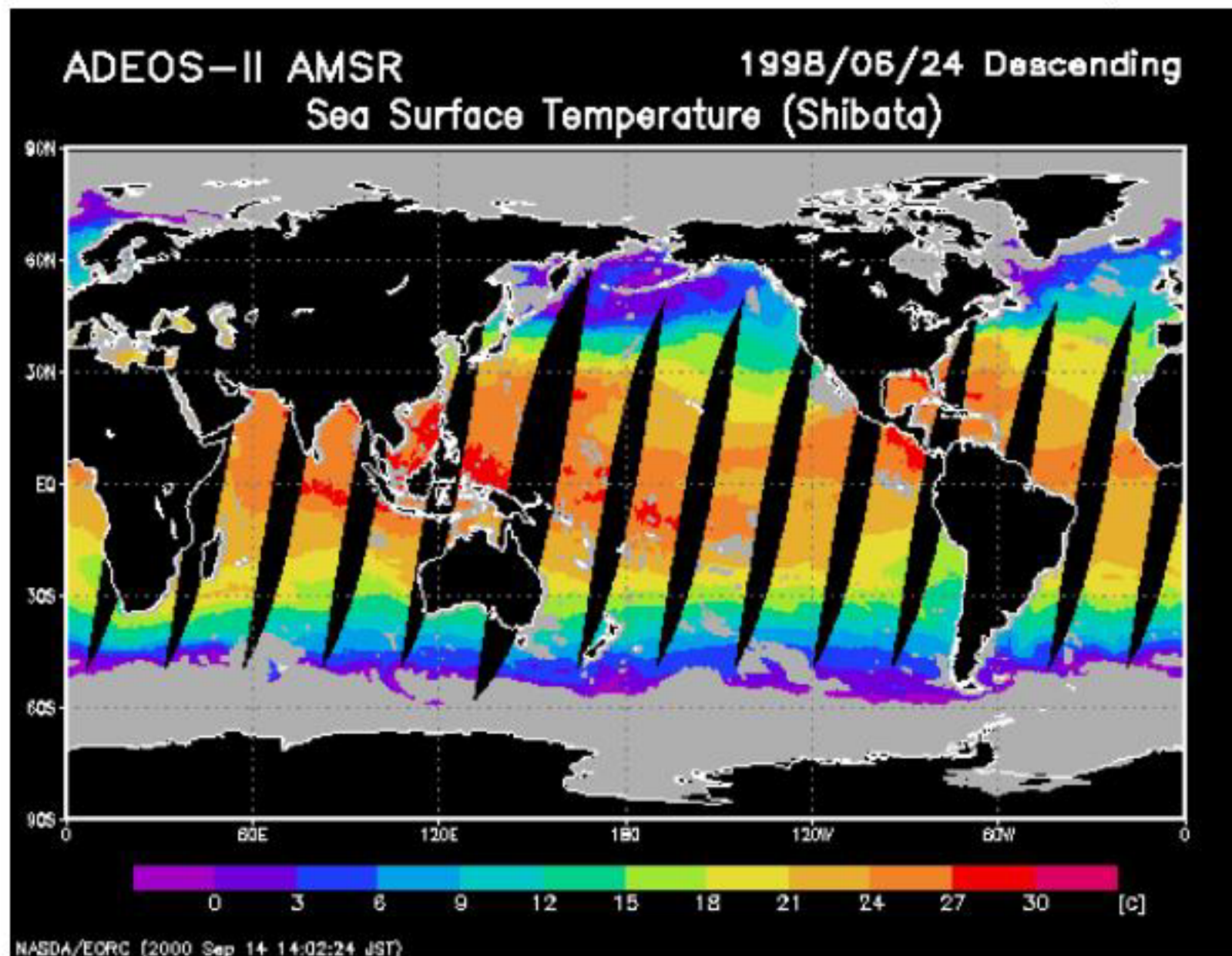
1998/06/24 Descending

Cloud Liquid Water (Wentz)



NASDA/EOIRC (2000 Sep 14 14:02:00 JST)

AMSR Level 3 Standard Product - Sea Surface Temperature



ADEOS-II Geophysical Products

SeaWinds

- Sea Surface Wind Vector

POLDER

- Cloud and Aerosols parameters, etc.

ILAS-II

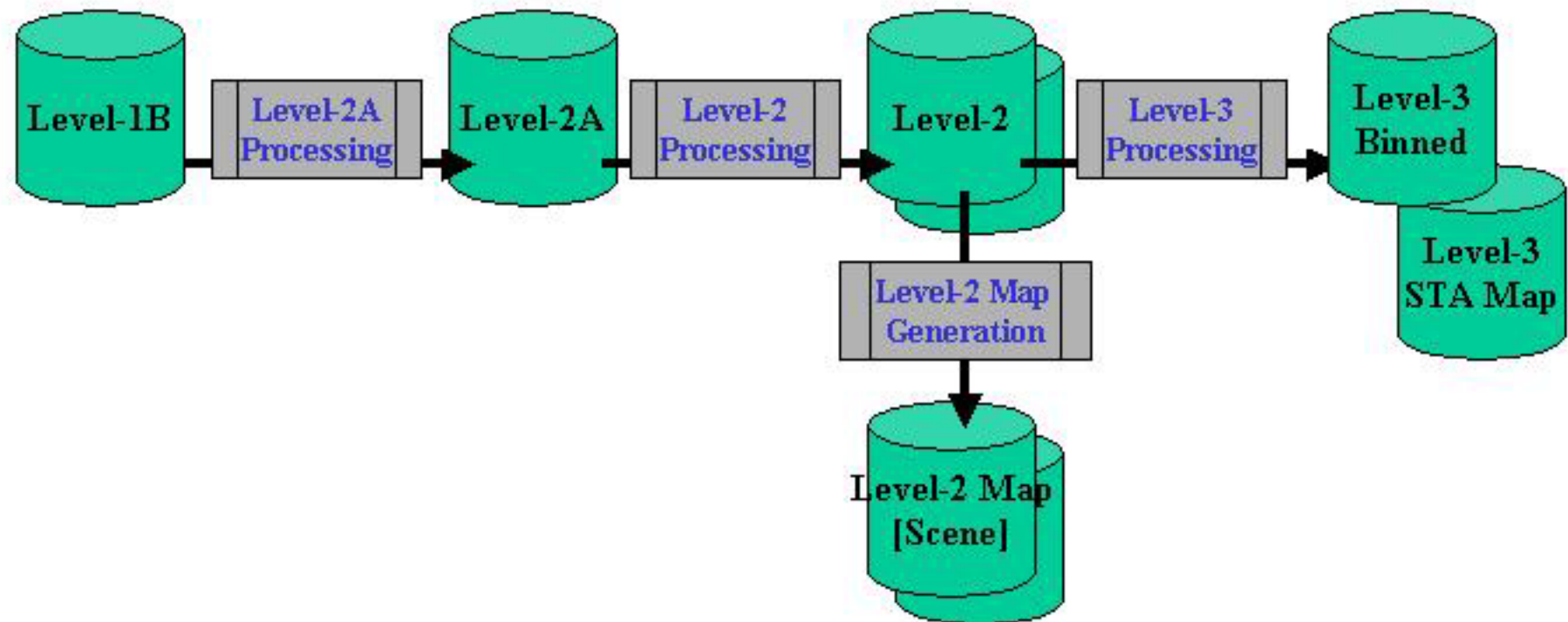
- Ozone, HNO_3 , etc.

(ARGOS-DCS)

Algorithm Development

- Pre-launch version(V.0) of GLI higher standard algorithm software programs (codes) have been developed and checked by NASDA/ EOC
- Ver.1 algorithm/software will be delivered from EORC to EOC +6 months after the launch.
- NASDA/EOC will deliver the initial products for public +12 months after the launch.

GLI Standard Algorithms and Standard Products (Overview)



Calibration & Validation

- EORC is responsible for (Cal)/Val.
- Basic Cal/Val plan completed
- Cal/Val implementation plan:
 - JFY2000 documentation almost completed.
 - JFY2001 documentation in detail plan almost completed.



2001 Aug, Mongolia, Land

2001 Feb, Hokkaido, Cryosphere

ADEOS-II CAL/VAL Project Organization

Cal Scientist : Prof. Yasuhiro Senga,
Tokai Univ.

Val Scientist : Prof. Tamio Takamura,
Chiba Univ., CeRES

EORC Cal Team Leader : Dr. I. Asanuma
- 6 CAL groups

EORC Val Team Leader: Dr. I. Asanuma
- (TBD)

GLI 250m resolution data

- GLI 250m data requirements from PIs
- Data acquisition analysis in progress.
- Data availability heavily depends on the Data Relay Satellite utilization.
 - ESA's "ARTEMIS" and NASDA's DRTS launch schedule.