Umfrage entwerfen	**Beantwortungen erfassen**	**Ergebnisse analysieren**

Übersicht anzeigen

Beantwortungen durchsuchen

Beantwortungen filtern

Kreuztabelle erstellen

Beantwortungen herunterladen

Beantwortungen freigeben

Standardbericht

4 von **7** Befragten wird/werden angezeigt

Beantwortungstyp:
Normale Beantwortung

Collector:
G-VAP Metadata (Dataset 01)
(E-Mail-Einladung)

E-Mail-Adresse:
thomas.august@eumetsat.int

Name:
Thomas August

Benutzerdefinierter Wert:
leer

IP-Adresse:
193.17.11.20

Beantwortung gestartet:
12. Juli 2013 11:22:25

Beantwortung geändert:
13. August 2013 11:45:54

1. Organization(s) owning the data record described below

Format: Official name in national language (English if available)
Example: Deutscher Wetterdienst (German Weather Service)

European Organisation for the Exploitation of Meteorological Satellites

2. Commonly used acronym or short name for the above organisation

Example: DWD

EUMETSAT

3. G-VAP contact person for the data record described below

Format: Last name, first name
Example: Smith, Jane

August, Thomas

4. E-mail address of the G-VAP contact person

thomas.august@eumetsat.int

5. Reference date for this G-VAP catalogue entry

Format: DD/MM/YYYY
Example: 31/12/2012

13/08/2013

6. Event used to describe the catalogue entry reference date

Creation

7. Title, i.e. the name usually used to identify the data record

EUMETSAT IASI L2 products

8. Acronym or short name under which data record is commonly known

Keine Beantwortung

9. Processing version of the data record

Format: Specify "no versioning", if no formal versioning scheme has been established

v6 (in preparation)

10. Purpose of data record within G-VAP

Dataset to be evaluated

11. Language(s) used within data record

Format: Provide language codes according to ISO 639-2

ENG [english]

12. Reference date for the data record

Format: DD/MM/YYYY
Example: 13/11/2006

09/03/2012

13. Event used to describe the data record reference date

Publication

14. Brief description (=abstract) of the data record's contents

The abstract should provide a clear and concise statement that enables the reader to understand the content of the data record.

Please respect the following rules:
a) Aim to be understood by non-experts
b) Do not include general background information
c) Avoid jargon and unexplained abbreviations
d) The abstract should be in English
e) The abstract should not exceed 1000 characters

Example (taken from the guidelines on WMO core metadata profile):
Products from the METNO Numerical Weather Prediction model. METNO is running the HIRLAM model. Check out http://www.hirlam.org/ for details. The model output has been subsetted, reprojected and reformatted using FIMEX (http://wiki.met.no/fimex/).
Grid resolution [degrees]: 0.216 X 0.216
Contained fields: potential temperature [K], geopotential height [m**2 s**-2], u velocity [m s**-1], v velocity [m s**-1], vertical velocity [Pa s**-1] and relative humidity [%]
Levels [hPa]: 1000, 925, 850, 700, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30 and 10
Forecast offset times [hours]: 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36, 42, 48, 54, 60 and 66

Operational IASI L2 products from EUMETSAT, including temperature [K] and humidity [kg/kg] profiles retrieved on a fixed pressure grid (typically 101 levels, described in the product) and for each footprint. For cloud-free IFOVs, the atmospheric sounding results from an optimal estimation method using IASI measurements and the retrievals are provided together with their associated averaging kernels. The products provide too all-sky statistical retrievals and associated quality indicators using collocated micro-wave (AMSU/MHS) and infrared (IASI) measurements. The products are distributed in near-real time and accessible from the on-line archive too. More details on www.eumetsat.int

15. Main geophysical parameter(s) in the data record

Specific humidity (kg/kg)

Temperature (K)

Other (Use Table 4.2 of the WMO Codes to specify parameters not listed above) - Skin temperature Presence of clouds Equivalent cloud amount in the pixel Cloud top pressure Land surface emissivity Various atmospheric composition information

16. Processing level according to the WMO definition

Level 2: Derived geophysical variables at the same resolution and location as the Level 1 data

17. If the data record is of Level-3 type, can underlying Level-2 data be provided?

Keine Beantwortung

18. Ancillary information in the data record of special interest to G-VAP

A priori estimates

Averaging kernels

Cloud flags

Retrieval uncertainties

19. Satellite instrument(s) used to generate the data record.

Specify "NONE" (first row) in case no satellite data have been used to produce the data record.

	Main instrument(s) (1)	Ancillary instrument(s) (2)
NONE		
AATSR		
AIRS		
AMSR-E		
AMSU-B		X
ASTER		
ATMS		
ATOVS		
CERES		
CrIS		
ERBE		
GOME		
GOME-2		
HIRS		
IASI	X	
MERIS		
MHS		X
MODIS		
MVIRI		
MWR		
POLDER		
SCIAMACHY		
SEVIRI		
SSM/I		
SSM/IS		
TES		
TOVS		

Other instruments not listed above (see EO Handbook). Indicate also whether "other" acts as main or ancillary data source:: AVHRR (other) for the cloud information

20. In-situ and/or ground-based remote sensing techniques or data used to generate the data record.

Specify "NONE" (first row) in case such techniques have not been used to produce the data record.

	Main instrument(s) (1)	Ancillary instrument(s) (2)
NONE	X	
Airborne in-situ observations		
Frost-point hygrometer		
Ground-based GNSS atmospheric sounding		
GPS radio occultation		
Interferometry (SWIR/TIR)		
Lidar		
Radiative fluxes (pyranometer, etc.)		
Radiometer (microwave)		
Radiometer (SWIR/TIR)		
Radiometer (UV/VIS/NIR)		
Radiosondes		

Other instruments not listed above. Indicate also whether "other" acts as main or ancillary data source::

21. Re-analysis scheme(s) used to generate the data record.

Specify "NONE" (first row) if such schemes have not been used to generate the data record.

	Main data source (1)	Ancillary data source (2)
NONE	X	
ERA Interim		
JRA55		
MERRA		
NCEP/DOE R2		

Other (please specify)::

22. North-south density of the information in data record

Format: Provided as ground sampling distance (value plus unit, e.g. 0.01 deg). Specify "0.0" in case data represent a single location.

IASI footprint sampling

23. East-west density of the information in data record

Format: Provided as ground sampling distance (value plus unit, e.g. 10 km). Specify "0.0" in case data represent a single location.

IASI footprint sampling

24. Number of distinct vertical layers within data record

Specify N=1 for total column products. Provide textual description in case one single number can't be assigned.

Up to 100 layers, depending on surface elevation

25. Typical timespan between sequential information in data record

Continuous

26. Typical delay between instrumental observation and release of the processed data product

Keine Beantwortung

27. Geographical bounding box: Co-ordinates of minimum bounding rectangle fully encompassing the data record.

In case data record represents one single location, enter identical values for the two corners of the bounding box.

Longitudes in deg. between -180° and +180° (east. hemisphere pos.)
Latitudes in deg. between -90° and +90° (north. hemisphere pos.)

Northernmost latitude - 90

Southernmost latitude - -90

Easternmost longitude - 180

Westernmost longitude - -180

28. Number of geographically distinct sites in data record.

Specify N=1 for data records from one single station. Data records derived from satellite measurements will typically have N>10000 distinct sites.

>10000

29. Vertical extension represented by the data record

Format: Value plus unit (e.g. 1013 hPa).

Bottommost boundary - 1050 hPa

Topmost boundary - 0.05 hPa

30. Time span covered by data record

Format: DD/MM/YYYY

Earliest date - 05/2007

Comment - Two instuments in space. A third one to come in 2018. Mission on-going, planned beyond 2020

31. Limitations and known issues affecting the fitness for use of data record

Format: indicate relevant limitations in short sentences

Example:
1.) Data quality is poor north of 60°N (known issue)
2.) Product available for clear sky conditions only (limitation)
3.) Data gap between 11/2006 and 01/2008 (limitation)

OEM retrievals avaialble for clear-sky conditions only. Usually retrievals over oceans are of better precision. v6 is to be released end of 2013. Ad hoc reprocessing of past period may be possible on demand. A full reprocessing of the IASI mission is foreseen but at a later stage.

32. Constraints relating to intellectual property

Data records submitted to G-VAP need to adhere to the G-VAP data policy. Otherwise, a data record can not be accepted to the G-VAP activities.

In case you're interested in participating to G-VAP but can't adhere to the data policy, please contact the G-VAP co-chairs.

Does not adhere to G-VAP data policy (please specify) - The link to the data policy given above does not work. I need to verify this policy with our Legal services first.

33. Short statement of how the data record was created

Where possible, include statements on the following:
1.) Source data, also list important ancillary data
2.) Data processing, e.g. retrieval method, resampling

3.) Method of updating
4.) Quality control processes
5.) Other important facts, e.g. product derived from FCDR

As a minimum, a general statement should be made about the provenance of the dataset.

The retrievals are performed from IASI L1c reconstruct radiances, using principal components analysis. The cloudiness is assessed with the collocated images from AVHRR and with help of ECMWF forecasts. The first guess retrieval is an all-sky statistical retrieval (piece-wise linear regression with empirical orthogonal functions) using collocated micro-wave and infrared measurements simultaneoulsy acquired from the Metop platforms. It is available for every pixels and comes along with a quality indicator. When no clouds are characterised in the field of view, the optimal estimation method is applied with a clear-sky forward model. The retrievals are provided with their averaging kernels.

34. Short statement on the quality of the satellite radiances used to derive the data record

This question only applies to satellite derived data records. State "does not apply" for all other data.

The radiometric and spectroscopic calibration properties have been stable and well within the specifications over time for IASI-A and consistent between IASI-A and IASI-B. The L2 processing chain used for IASI-A proved to be applicable with IASI-B without sepcial tuning.

35. Short statement on uncertainty estimates and degree of homogeneity/stability

NOTE: I can complete this later, not sure what info is meant/expected here

36. Method used for data record evaluation

DirectExternal: External data have been used for evaluation (e.g. independent observations)

Indirect: External knowledge has been used for evaluation (e.g. plausibility considerations)

DirectInternal: Internal data have been used for evaluation (e.g. consistency checks)

37. Ancillary data fundamental to the evaluation of data record

For each referenced dataset, provide as a minimum the following information:
1.) Title
2.) Acronym (if applies)
3.) Owner
4.) URL to dataset (if available)

Keine Beantwortung

38. Validation/evaluation report(s)

For each referenced document, provide as a minimum the following information:
1.) Authors(s)
2.) Document title
3.) Year of creation
4.) URL to document (if available)

State "not established" in case no validation/evaluation report has been established

IASI-A L2 v5 validation reports: -- "EPS IASI L2 PPF Validation Report: Cloud Top Pressure and Effective Cloud Amount", 01/06/12, EUM/MET/REP/09/0698 "IASI L2 Surface Temperature: PPF v5 Validation Results" , 01/06/10, EUM/MET/TEN/10/0188 "Vertical Temperature and Humidity Profiles within IASI L2 PPF v5: Non-Regression Tests and Validation Results", 29/09/09, EUM/MET/TEN/09/0448 IASI-B L2 v5 validation report: --- "IASI L2 Metop-B - Validation report", 19/07/13, EUM/TSS/REP/13/684650 v6 validation on-going, no document completed yet

39. Targeted user segment(s) for data record

Example: Meteorological services, environmental authorities
State "not established" if user segments have not been analysed

Meteorological services

40. Thematic application area for the data record

Example: Support to NWP, regional climate modelling
State "not established" if application areas have not been analysed

Support to NWP Climate modelling, monitoring

41. Documentation on user requirements

For each referenced document, provide as a minimum the following information:
1.) Authors(s)
2.) Document title
3.) Year of creation
4.) URL to document (if available)

State "not established" in case no user requirements document has been established

"EPS Programme End User Requirements Document", EUM.EPS.MIS.REQ.93.001

42. ATBD(s) describing how data record is generated

For each referenced document, provide as a minimum the following information:
1.) Authors(s)
2.) Document title
3.) Year of creation
4.) URL to document (if available)

State "not established" in case no ATBD has been established

"EPS Ground Segment IASI Level 2 Product Generation Specification", EPS.SYS.SPE.990013 August et al., "IASI on Metop-A: Operational Level 2 retrievals after five years in orbit", JQSRT, 2012, doi:10.1016/j.jqsrt.2012.02.028 contact: ops@eumetsat.int

43. User manual to explain how to work with data record

For each referenced document, provide as a minimum the following information:
1.) Authors(s)
2.) Document title
3.) Year of creation
4.) URL to document (if available)

State "not established" in case no user manual has been established

"IASI Level 2 Product Format Specifications", EPS.MIS.SPE.980760 "IASI Level 2 Product Guide", EUM/OPS-EPS/MAN /04/0033 contact: ops@eumetsat.int

44. Articles in peer-reviewed journals or conference proceedings based on data record

For each referenced document, provide as a minimum the following information:
1.) Authors(s)
2.) Document title
3.) Year of creation
4.) URL to document (if available)

State "not established" in case data record has not yet been described in the scientific literature.

August et al., "IASI on Metop-A: Operational Level 2 retrievals after five years in orbit", JQSRT, 2012, doi:10.1016/j.jqsrt.2012.02.028

45. Name of the data transfer format(s)

Example: NetCDF

BUFR, Native EPS format and HDF5

46. Version of the format (date, number, etc.)

Example: 3.6.0

10.0

47. URL(s) to data record (via http, https, ftp, scp, ...)

Fictious example of an URL: https://www.beautifuldata.org/TCWV/5.0/

State "not available online" in case data record can't be accessed over the internet

https://eoportal.eumetsat.int/ contact: ops@eumetsat.int

48. Size of data record in the format specified above, expressed in megabytes

Example: 566 (for a file size of 566 MB, see e.g. this tool to convert between file size units)

Transfer size (in MB) - 50

49. Instructions for users to enable data access (if necessary)

Example: Data record is password protected, please contact the responsible person to obtain the access credentials

https://eoportal.eumetsat.int/ contact: ops@eumetsat.int

50. Additional information of relevance to potential users

Keine Beantwortung

51. Feedback to this G-VAP data record entry form

Have we missed relevant aspects concerning "your" data record?
Are some aspects covered in too much detail?
Do you have suggestions for improving this entry form?

Keine Beantwortung

Community: Entwickler • Facebook • Twitter • LinkedIn • Unser Blog • Google+ • YouTube

Über uns: Management-Team • Vorstand • Partner • Newsroom • Kontakt • Aufträge • Sitemap • Hilfe

Richtlinien: Nutzungsbedingungen • Datenschutzrichtlinie • Anti-Spam-Richtlinie • Sicherheitsrichtlinien

Language: English • Español • Português • Deutsch • Nederlands • Français • Русский • Italiano • Dansk • Svenska • 日本語 • 한국어 • 中文(繁體) • Türkçe • Norsk • Suomi