

Nowcasting SAF Operations

EUMETRAN NWCSAF Event Week

18 - 22 November 2013

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asanchezp@aemet.es

Overview

1. NWCSAF Reference System

2. NWCSAF Help Desk

2.1 Information available for non-users

2.2 How to become a NWCSAF User

2.3 NWCSAF Help Desk Services for Users

3. Use of NWCSAF Help Desk for CDOP-2

3.1 Number of Users

3.1 Mail Box

3.2 SPR

Are you already a user of the NWCSAF software?

A large, 3D-style green button with rounded corners and a glossy finish. The word "YES" is written in bold, white, uppercase letters in the center.A large, 3D-style red button with rounded corners and a glossy finish. The word "NO" is written in bold, white, uppercase letters in the center.

1 - NWCSAF Reference System

www.nwcsaf.org

Help Desk

NWC SAF

The EUMETSAT Network of Satellite Application Facilities

NWC SAF
Support to Nowcasting and Very Short Range Forecasting

AEMet
Agencia Estatal de Meteorología

MAIL

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User

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EUMeTrain

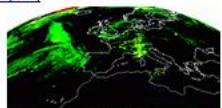


- News
- MSG v2013 patch in SW Packages and Patches site 09/09/2013
 - Examples of CRPh and PCPh 05/09/2013

MSG

MSG Cloud Products

<p>Cloud Mask (Description)</p> 	<p>Cloud Type (Description)</p> 	<p>Cloud Top Temperature and Height (Description)</p> 
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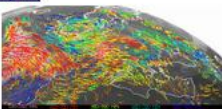
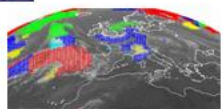
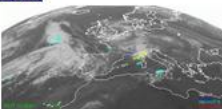
MSG Precipitation Products

<p>Precipitating Clouds (Description)</p> 	<p>Convective Rainfall Rate (Description)</p> 	<p>Prec. Prod. Cloud Physical Properties (Description)</p> 
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MSG Clear Air Products Physical Retrieval

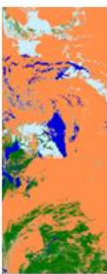
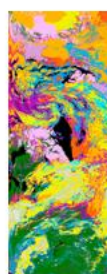
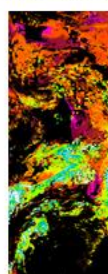
<p>Total Precipitable Water (Description)</p> 	<p>Layer Precipitable Water (Description)</p> 	<p>Stability Analysis Imagery (Description)</p> 
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MSG Winds, Conceptual Model and Convection Products

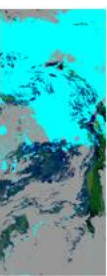
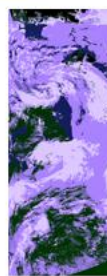
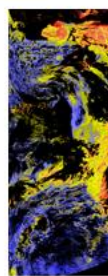
<p>High Resolution Winds (Description)</p> 	<p>Automatic Satellite Image Interpretation Rapid Development Thunderstorms (Description)</p> 	
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PPS

PPS Cloud Products

<p>Cloud Mask (Description)</p> 	<p>Cloud Type (Description)</p> 	<p>Cloud Top Temperature and Height (Description)</p> 
--	--	--

PPS Clear Air Products Physical Retrieval

<p>Precipitating Clouds (Description)</p> 	<p>Cloud Physical Properties (CPh) (Description)</p> 	<p>Cloud Physical Properties (LWP) (Description)</p> 
---	--	--

The general input data for running NWCSAF software are:

MSG Reference System

Firefox SAF NWC

https://www.nwcsaf.org/HD/Main.jsp

Más visitados Últimas noticias Inforjovent EducaMadrid

Cloud Type SEVIRI

ORIGINAL RESOLUTION (250 Kb aprox.)	LAST IMAGE	00	03	06	09	12	15	18	21
HALF RESOLUTION (90 Kb aprox.)	LAST IMAGE	00	03	06	09	12	15	18	21
LOOP LAST 3 HOURS	ORIGINAL RESOLUTION (900 Kb aprox.)				HALF RESOLUTION (900 Kb aprox.)				

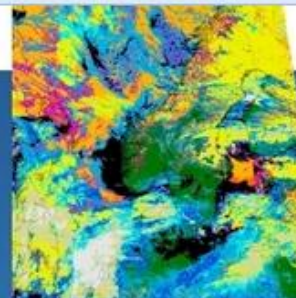
copyright 2013 EUMETSAT SAFNWC CT 14 OCT 13 07:45

CLOUD TYPE

- Undefined
- Fractional
- Semitransp. above
- Semitransp. thick
- Sem. meanly thick
- Semitransp. thin
- Very high opaque
- High opaque
- Medium
- Low
- Very low
- Sea Ice
- Land Snow
- Cloud free sea
- Cloud free land
- Non-processed
- SAFNWC PGE02

10:09 14/10/2013

PPS Reference System



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What are we doing?
Cloud Products
Product Demonstration
Real time monitoring
EARS-NWC monitoring
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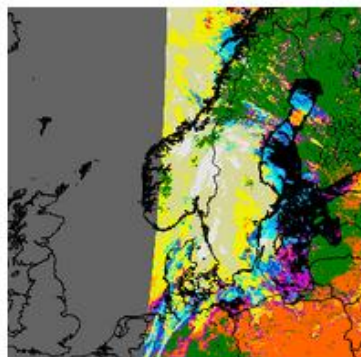


Local Reception

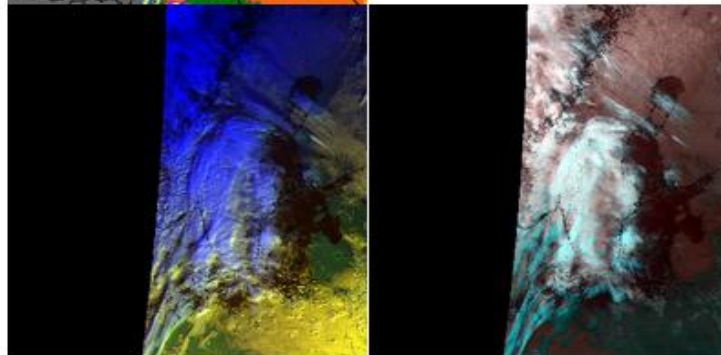
REFERENCE VERSIONS of the four NWCSAF/PPS products are generated on a routine basis. Check the latest cloud nproducts in near real time:

Cloud Type Scandinavia, 2km/px

<< Previous Next >>



- Cloud free
- Cloud free
- Snow
- Snow/Ice
- Very low
- Low
- Medium level
- High
- Very high
- Very thin cirrus
- Thin cirrus
- Thick cirrus
- Cirrus above
- Fractional
- Unclassified
- Unprocessed



Week

• To the NOAA/Metop schedule i.e when is a satellite passing northern Europe.

2 – NWCSAF Help Desk

2.1 - Services for non-users

www.nwcsaf.org

2.1 - Services for non-users

Firefox SAF NWC

https://www.nwcsaf.org/HD/Main.jsp

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GOBIERNO DE ESPAÑA MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y PESQUERÍA AEMet Agencia Estatal de Meteorología

The EUMETSAT Network of Satellite Application Facilities

NWC SAF
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MSG PPS

MSG Cloud Products

Cloud Mask (Description) Cloud Type (Description) Cloud Top Temperature and Height (Description)

MSG Precipitation Products

Precipitating Clouds (Description) Convective Rainfall Rate (Description) Prec. Prod. Cloud Physical Properties (Description)

MSG Clear Air Products Physical Retrieval

Total Precipitable Water (Description) Layer Precipitable Water (Description) Stability Analysis Imagery (Description)

MSG Winds, Conceptual Model and Convection Products

High Resolution Winds (Description) Automatic Satellite Image Interpretation Rapid Development Thunderstorms (Description)

Cloud Mask (Description) Cloud Type (Description) Cloud Top Temperature and Height (Description)

Precipitating Clouds (Description) Cloud Physical Properties (CPh) (Description) Cloud Physical Properties (LWP) (Description)

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News

MSG v2013 patch in SW Packages and Patches site 09/09/2013

Examples of CRPh and PCPh 05/09/2013

The general input data for running NWCSAF software are:

ES 10:06 14/10/2013

2.1 - Services for non-users

The screenshot shows the SAFNWC website with the following elements:

- Browser:** Firefox, SAF NWC, www.nwcsaf.org/HD/MainNS.jsp
- Page Title:** SAFNWC General Information
- Navigation:** Introduction, IOP, CDOP, CDOP2
- Section:** CDOP-2 Objectives & Planning
- Objectives List:**
 - Extend the operability of its packages to other satellites and to prepare for MTG and EPS-SG;
 - Develop new products and improve the CDOP ones with relevant improvements, according to Nowcasting state of the art and user requirements;
 - Strengthen the coordination with EUMETSAT Central Applications Facilities and the other SAFs through dedicated cooperation and federated activities;
 - Reinforce the use of the NWC SAF Software packages among the meteorological community;
 - Maintain the SW packages by means of corrective, adaptive and perfective activities;
 - Provide support to users by means of a Help Desk and training activities;
 - Deliver updated SW packages according Steering Group endorsement;
 - Develop an iterative process to collect new User Requirements for further developments; and
 - Being a reference for Nowcasting aspects for EUMETSAT, as a Centre of Excellence.
- Timeline Diagram:**
 - Mar 2012:** Start of the timeline.
 - Aug 2013:** MSG v2013 Delivery.
 - Q2 2014:** PPS v2014 Delivery.
 - Q3 2015:** GEO v2015 Delivery.
 - Q4 2016:** PPS v2016 Delivery.
 - Q1 2017:** GEO v2017 Delivery.
 - Feb 2017:** End of the timeline.
- Workshops:**
 - WORKSHOP ON PPS ENGINEERING 2014
 - WORKSHOP ON GEO ENGINEERING 2015
 - USERS' WORKSHOP 2016
- Operability Milestones:**
 - MSG Continuity
 - Operability on NPP, METOP and NOAA Preparations for EPS-SG
 - Operability extended to other GEO satellites. Preparations for MTG

2.1 - Services for non-users

Firefox SAF NWC
 https://www.nwcsaf.org/HD/Main.jsp
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Scientific Documentation

Basic docs MSG Basic docs PPS

SAFNWC/MSG Basic Documents

CODE	V.	TYPE	ORIGINATOR	DATE	TITLE	PDF
SAFNWC/MSG v2013						
PGE01-02-03 (CMa, CT, CTH)						
SAF/NWC/CDOP2/MFL/SCI/PUM/01	3.2.1	MSG	MF-CMS	15/07/2013	Product User Manual for "Cloud Products" (CMa-PGE01 v3.2, CT-PGE02 v2.2 & CTH-PGE03 v2.2)	
SAF/NWC/CDOP2/MFL/SCI/ATBD/01	3.2.1	MSG	MF-CMS	15/07/2013	Algorithm Theoretical Basis Document for "Cloud Products" (CMa-PGE01 v3.2, CT-PGE02 v2.2 & CTH-PGE03 v2.2)	
SAF/NWC/CDOP/MFL/SCI/VR/06	1.0	MSG	MF-CMS	15/02/2012	Validation Report for "Cloud Products" (CMa-PGE01 v3.2, CT-PGE02 v2.2 & CTH-PGE03 v2.2)	
PGE04 (PC)						
SAF/NWC/CDOP2/SMHI/SCI/PUM/04	1.5.4	MSG	SMHI	15/07/2013	Product User Manual for "Precipitating Clouds" (PC-PGE04 v1.5)	
SAF/NWC/CDOP2/SMHI/SCI/ATBD/04	1.5.4	MSG	SMHI	15/07/2013	Algorithm Theoretical Basis Document for "Precipitating Clouds" (PC-PGE04 v1.5)	
SAF/NWC/CDOP/SMHI/VR/01	1.0	MSG	SMHI	19/11/2007	Validation Report for "Precipitating Clouds" (PC-PGE04 v1.4)	
PGE05 (CRR)						
SAF/NWC/CDOP2/INM/SCI/PUM/05	4.0	MSG	AEMET	15/07/2013	Product User Manual for "Convective Rainfall Rate" (CRR-PGE05 v4.0)	
SAF/NWC/CDOP2/INM/SCI/ATBD/05	4.0	MSG	AEMET	15/07/2013	Algorithm Theoretical Basis Document for "Convective Rainfall Rate" (CRR-PGE05 v4.0)	
SAF/NWC/CDOP2/INM/SCI/VR/12	1.0	MSG	AEMET	15/07/2013	Validation Report for "Convective Rainfall Rate" (CRR-PGE05 v4.0)	
PGE09 (HRW)						
SAF/NWC/CDOP2/INM/SCI/PUM/09	4.0	MSG	AEMET	15/07/2013	Product User Manual for "High Resolution Winds" (HRW-PGE09 v4.0)	
SAF/NWC/CDOP2/INM/SCI/ATBD/09	4.0	MSG	AEMET	15/07/2013	Algorithm Theoretical Basis Document for "High Resolution Winds" (HRW-PGE09 v4.0)	
SAF/NWC/CDOP2/INM/SCI/VR/13	1.0	MSG	AEMET	15/07/2013	Validation Report for "High Resolution Winds" (HRW-PGE09 v4.0)	
PGE10 (ASII)						
SAF/NWC/CDOP2/ZAMG/SCI/PUM/10	2.4.2	MSG	ZAMG	15/07/2013	Product User Manual for "Automatic Satellite Image Interpretation" (ASII-PGE10 v2.4)	
SAF/NWC/CDOP2/ZAMG/SCI/ATBD/10	2.4.2	MSG	ZAMG	15/07/2013	Algorithm Theoretical Basis Document for "Automatic Satellite Image Interpretation" (ASII-PGE10 v2.4)	
SAF/NWC/CDOP2/ZAMG/SCI/VR/06	1.1	MSG	ZAMG	13/05/2013	Validation Report for "Automatic Satellite Image Interpretation" (ASII-PGE10 v2.4)	
PGE11 (RDT)						

2.1 - Services for non-users

The screenshot shows a Firefox browser window displaying the SAF NWC website. The address bar shows the URL <https://www.nwcsaf.org/HD/Main.jsp>. The page title is "Visiting Scientist Activities".

Left Sidebar:

- Help Desk
- NWC SAF logo
- Home
- Topical Images Gallery (with a satellite image)
- SAFNWC General Information
 - Scientific Documentation
 - Visiting Scientist Activities** (highlighted with a red box)
 - VSA Announcements
 - VSA Reports
 - SW Delivery Conditions
 - Workshops, Surveys & Training
- You are not registered. Sign in.
 - User:
 - Password:
 - Login button
- EUMeTrain logo
- News
 - MSG v2013 patch in SW Packages and Patches site (09/09/2013)
 - Examples of CRPh and PCPh (05/09/2013)

Main Content Area:

Visiting Scientist Activities

The SAFNWC Visiting Scientists (VS) program allows experts/scientists from the EUMETSAT Member States or other Institutes, to be in close relation with the SAF development activities in two main aspects:

- Acquiring expertise in the field of the SAF activities/products.
- Participating in or contributing to the SAF activities, in particular the algorithm development and product validation activities.

Depending on whether the VS stay at their home institute or move to the visited institute, two main types of VS can be distinguished:

- Visiting Scientists (VS) spending a certain period of time at one of the SAF Consortium Institutes.
- Associated Scientists (AS) staying "at home" (no change of location).

In certain cases it might be necessary to combine the two types of activities, i.e. the VS activity may be carried out partly at the visited institute and partly at home.

All VS activities have to be approved by the SAFNWC Steering Group. For the VS selection, the following order of priority is considered:

- Applicants from Institutes within the EUMETSAT Member States
- Applicants from Institutes outside the EUMETSAT Member States

The detailed procedure for the definition and approval of specific VS activities are set up in the SAFNWC Steering Group.

As a general principle, it is assumed that the VS continue receiving their salary from their home institute. However, in special cases the SAF Steering Group may decide to accept candidates who do not receive a salary from their home institute. In these cases, the financial terms have to be agreed by the SAF Steering Group on a case-by-case basis. Furthermore, depending on the type of the VS activity (VS or AS), the following guidelines are usually applied:

- Visiting Scientists receive reimbursement of travel costs and a daily subsistence allowance (per diem).
- Associated Scientists do not receive additional payment. Instead, the relevant home institute of the AS receives a compensation for the manpower costs. The amount of this compensation has to be agreed between the two institutes involved and agreed by the SAF Steering Group.

The management of the VS activities is placed under the responsibility of the SAF Consortium and is managed by the SAF Project Manager under the supervision of the SAF Steering Group. After the approval of the VS proposals by the SAF Steering Group and the selection of the candidates, each local Project Manager is fully responsible for the management of the VS activity carried out at her/his Institute.

At the end of the VS activity a summary report shall be written and submitted on hard and electronic (PDF) copy to the local Project Manager, to the SAF Project Manager, to the SAF Network Manager and to all SAF Steering Group members.

Taskbar: Shows various application icons and the system clock indicating 10:29 on 14/10/2013.

2.1 - Services for non-users

Firefox SAF NWC
 https://www.nwcsaf.org/HD/Main.jsp
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VSA Announcement

Find a VSA Announcement

place	type	
<input type="text"/>	<input type="text"/>	
topic		
<input type="text"/>		
period	duration	date
<input type="text"/>	<input type="text"/>	<input type="text"/>

Find

VSA Announcement (15 found)

date	place	type	topic	period	duration	pdf
19/03/2013	AEMET	AS	Creation of the Scientific Content of a Training Module on PGE13	April 2013- November 2013	2 months	
23/08/2012	AEMET	VS	Comparison of NWC SAF/HRW AMVs with AMVs from other producers	February 2013-February 2014	4 months	
25/05/2011	SMHI	VS	Investigating the potential for improving global PPS CTTH products by prototyping with ATRAIN data	August 2011- February 2012	6 months	
28/05/2009	AEMET/SMHI/MFT	VS	Joint INM/SMHI/MF Proposal for Validation of NWCSAF/MSG Precipitation and Convective Products	April-November 2009	8 months	
23/10/2008	AEMET	VS	Validation of the Parallax Correction Tool in the SAFNWC/MSG	2008	6 months	
24/05/2006	SMHI	VS	Study on channel selection for a OE based microphysical cloud parameter retrieval scheme for NPOESS VIIRS and delivery of OE prototype software	Starting August 2006	2,75 months	
24/05/2006	SMHI	VS	Study on expected uncertainties in microphysical cloud parameter retrieval for the channels found on the NPOESS VIIRS and MSG SEVIRI	Starting June 2006	2.5 months	
24/05/2006	SMHI	AS	Technical help with algorithm intercomparison Campaign for EUMETSAT Cloud Parameter retrieval Workshop in Norrkoping 17-19 May 2006.	20 March to 19 May 2006	2 months	
25/04/2006	MF/DPR	VS	RDT Discrimination refining.	October 2006-April 2007	6 months	
29/03/2006	ZAMG	AS	Two Case studies for NWC SAF parameters from the EUMeTrain cases	2006	-	
01/03/2006	INM	AS	Quick Look tool in the SAFNWC/MSG	2006-2007	2 months	
16/06/2005	ZAMG	VS	Investigation and formulation of criteria for the determination of hazardous areas along the WV black stripes	Starting April 2006 until end IOP	2,5 months	
21/04/2005	SMHI	VS	SAFNWC Precipitating Clouds product extension to new generation MW sensors and product validation.	1 May 2005-30 June 2006	3 months	
02/03/2005	MF-CMS	AS-VS	Development of a SEVIRI cloud phase retrieval algorithm.	2005-2006	14,5 months	
20/12/2002	SMHI	AS-VS	Development of a combined MSG-SEVIRI/PPS-AMSU Precipitating Cloud product in SAFNWC.	Delayed	3.3 months	

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Mostrar iconos ocultos

ES 10:47 14/10/2013

2.1 - Services for non-users

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VSA Report

Find a VSA Report

author	date	title	coordinator
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Find

VSA Report (43 found)

date	author	title	coordinator	pdf size (Mb)	pdf
2012-03	Roger Randriamampianina	The Impact of High Resolution Winds On the ALADIN/Hungary Limited Area Model	AEMET	3.84	
2012-03	Chang-Hwan Park	Investigation of PPS CTTH Using CALIPSO Validation Tool	SMHI	9.82	
2011-09	Sante Laviola	Validation and Evaluation of different AVHRR and AMSU/MHS based precipitation retrieval algorithms	SMHI	1.76	
2010-07	Mária Putsay et al.	VALIDATION/EVALUATION OF THE CLIMATE SAF SEVIRI PRECIPITATION PROTOTYPE PRODUCT ON THE SAME DATASETS AS THE NWCSAF/MSG PRECIPITATION PRODUCTS	SMHI	16.54	
2010-05	Mária Putsay	User Feedback on NWC SAF Services: Current Impact and Requirements for its Future Evolution	AEMET	0.11	
2010-05	Jun Li	Report on attending NWC SAF 2010 Users' Workshop	AEMET	0.42	
2010-05	Monika Pajek et al.	Practical aspects of SAF-NWC software use at IMWM	AEMET	0.23	
2009-11	Ralf Bennartz	Extending the NWCSAF PC product to include precipitation rate	SMHI	1.11	
2009-11	Eszter Lábó et al.	Cross-Verification of the Rapid Developing Thunderstorm and the Precipitation products of the NWC SAF	AEMET	15.01	
2009-04	Putsay, M, Zsafia Kocsis, Ildiko Sz	Report on Validation of the Parallax Correction Tool in the SAFNWC/MSG program package	AEMET	4.22	
2008-06	Jun Li	VSA Report on Continuation of Physical Retrieval Algorithm Improvement and Implementation in the SAFNWC/MSG	INN	0.63	
2008-06	GMV	User Manual for the SAFNWC/MSG Parallax Correction Tool	INN	0.49	
2008-01	Ruiz Gazen, A & Villa, N	RDT discrimination refining: Final report	MF-DPr	2.02	
2007-12	Walther, A	Algorithm intercomparison campaign in support of the cloud workshop at SMHI in Norrkoping 17th May-19th May 2006	SMHI	9.79	
2007-12	Jun Li	Recommendation on Physical Retrieval Algorithm for SEVIRI Nowcasting Product	INN	0.63	
2007-06	Ruiz Gazen, A & Villa, N	RDT discrimination refining: Intermediate report	MF-DPr	3.44	
2007-05	Krennert, T.	Investigation and formulation of criteria for the determination of hazardous areas along WV black stripes	ZAMG	24.07	
2007-04	Heck, P.	Development of a SEVIRI Cloud Phase Retrieval Algorithm	MF-CMS	0.72	
2007-02	Zwatz-Meise, V.	Training Material for NWC SAF Parameter within EUMeTrain	ZAMG	0.34	
2007-02	Bennartz, R.	Development and implementation of a combined MSG-SEVIRI/POES precipitating cloud product	SMHI	0.77	
2007-01	GMV	User Requirements Document for the SAFNWC/MSG Visualisation Tool	INN	1.96	
2007-01	GMV	Software User Manual for SAFNWC/MSG BUF to HDF5 Conversion Tool	INN	0.5	
2006-09	Cooper, S.J.	Study on expected uncertainties in microphysical cloud parameter retrieval for the channels found on the NPOESS VIIRS and MSG SEVIRI	SMHI & MF-CMS	0.9	
2006-07	Bennartz, R.	SAFNWC Precipitating Clouds product extension to new generation MW sensors and product validation	SMHI	0.88	
2006-01	Cooper, S.J.	Study on channel selection for an optimal-estimation based microphysical cloud parameter retrieval scheme for NPOESS VIIRS	SMHI	1.57	

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MSG v2013 patch in SW Packages and Patches site
09/09/2013

Examples of CRPh and
Iniciar 05/09/2013

Windows taskbar with icons for Internet Explorer, Firefox, File Explorer, and other applications. System tray shows ES, volume, and date/time: 10:49 14/10/2013

2.1 - Services for non-users

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MSG v2013 patch in SW Packages and Patches site
09/09/2013

Examples of CRPh and PCPh 05/09/2013

Delivery Conditions

User Policy **SW Delivery Procedure** Pre-existing SW

Software Delivery Procedure

- Software Delivery will be allowed to users according their Licence Agreement duly signed by both EUMETSAT represented by the Leading Entity (AEMET) and the applicant user Institution Authority.
- Once the Licence Agreement shall be signed, Leading Entity shall contact the User Focal Point providing access credentials to the SAFNWC Help Desk (<http://www.nwcsaf.org>) restricted user area being allowed to download the software. Licence Agreement will allow to download both SAFNWC/MSG and SAFNWC/PPS SW packages.
- The Software is made available to the User free of charge. Neither EUMETSAT, its Member States nor the NWC SAF Consortium are liable for the usefulness or proper functioning of the Software, nor do they accept any liability for any consequences, whether direct or indirect, of any use of the Software or for any results related to the use of the Software or for any right or claims by third parties related to all or any part of the Software or its use.
The User shall not assign or transfer any right to use all or part of the Software to any third party without the prior written consent of EUMETSAT. Any relocation of all or part of the Software to another place or redistribution of all or part of the Software to any third party shall require the prior written consent of EUMETSAT.

2.1 - Services for non-users

The screenshot shows the NWC SAF website interface. The main content area is titled "NWC SAF Workshops, Surveys and Training" and features a list of workshops. The list includes details such as the workshop name, a brief description, and the date. A sidebar on the left contains navigation links, a login form, and a news section. The top of the page displays the NWC SAF logo and the EUMETSAT Network of Satellite Application Facilities.

NWC SAF
Support to Nowcasting and Very Short Range Forecasting

NWC SAF Workshops, Surveys and Training

Workshops Surveys Training

WORKSHOPS

NWC SAF USERS' WORKSHOP (Applicability and usefulness of the NWC (GEO and PPS) products. User requirements for next phase collection)		Foreseen 2016
NWC SAF WORKSHOP ON GEO ENGINEERING (Training course on the SW Applications)		Foreseen 2015
NWC SAF 2010 USERS' WORKSHOP		26th-28th April 2010
NWC SAF WORKSHOP ON PHYSICAL RETRIEVAL OF CLEAR AIR PARAMETERS FROM SEVIRI		28th-29th November 2007
NWC SAF PRODUCT ASSESSMENT WORKSHOP		17th-19th October 2005
NWC SAF FIRST JOINT TRAINING WORKSHOP		14th-16th June 2004

You are not registered.
Sign in.

User

Password

Login

EUMeTrain

News

MSG v2013 patch in SW Packages and Patches site
09/09/2013

Examples of CRPh and PCPh 05/09/2013

2.1 - Services for non-users

Firefox SAF NWC
https://www.nwcsaf.org/HD/Main.jsp

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Topical Images Gallery

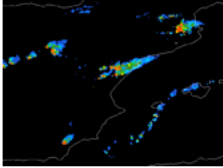
Selected examples of SAFNWC products

This new page is intended to provide examples with interesting and attractive images from the NWC SAF products.

Page **1** - 2 - 3 - 4

Convective Rainfall Rate from Cloud Physical Properties (CRPh)

22nd August 2008 - 14:00:00 UTC



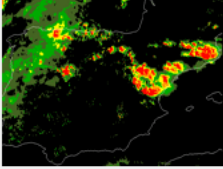
Convective Rainfall rate from Cloud Physical Properties computed for a convective event occurred on 22 of August 2008

[View HTML](#)

163 KB

Precipitating Clouds from Cloud Physical Properties (PCPh)

9th September 2012 - 15:30:00 UTC



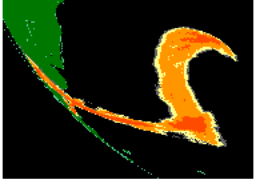
Precipitating Clouds from Cloud Physical Properties computed for a convective event occurred on 9th of September 2012

[View HTML](#)

112 KB

Cloud Mask Ash Flag (CMA)

4th-6th June 2011




Ash Flag 12 hours synthesis from volcano Puyehue

[View LOOP](#)

2 KB

Cloud Mask Ash Flag (CMA)

22nd-25th May 2011



Ash Flag from Icelandic volcano Grímsvötn

[View LOOP](#)


2 KB

Convective Rainfall Rate (CRR)

Rapid Developing Thunderstorms (RDT)

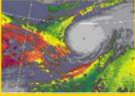
Windows taskbar: 10:54 14/10/2013

Help Desk



Home

Topical Images Gallery




[SAFNWC General Information](#)
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[Visiting Scientist Activities](#)
[VSA Announcements](#)
[VSA Reports](#)
[SW Delivery Conditions](#)
[Workshops, Surveys & Training](#)

You are not registered.
Sign in.

User

Password



News

MSG v2013 patch in SW Packages and Patches site
09/09/2013

Examples of CRPh and PCPh 05/09/2013

2 – NWCSAF Help Desk

2.2 – How to become a NWCSAF User

- Send an email to asanchezp@aemet.es or mafernandez@amet.es
- Application Form and Licence Agreement will be sent to you
- Application Form must be returned by email
- Once signed, Licence Agreement must be sent by ordinary mail (two copies)
- Credentials to access the software will be sent when the process is finished

2 – NWCSAF Help Desk

2.3 – Services for NWCSAF Users

- Users must enter the restricted part of the NWCSAF website using the credentials provided.

The screenshot shows the NWCSAF website interface. The browser address bar displays 'https://www.nwcsaf.org/HD/Main.jsp'. The page features a yellow header with the 'NWC SAF' logo and the text 'The EUMETSAT Network of Satellite Application Facilities'. Below the header, there are several sections: 'MSG Cloud Products', 'MSG Precipitation Products', 'MSG Clear Air Products Physical Retrieval', and 'MSG Winds, Conceptual Model and Convection Products'. A login form is highlighted with a red box, containing the text 'You are not registered. Sign in.' and fields for 'User' and 'Password', with a 'Login' button below. The footer includes the 'NWC SAF' and 'AEMet' logos, along with the text 'Agencia Estatal de Meteorología'.

2.3 – Services for NWCSAF Users

Firefox SAF NWC
https://www.nwcsaf.org/HD/Main.jsp

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User information

User:btaemet Group:USERS Profile:User Last access:14/10/2013 09:04:19

Mail box: No new mails since your last access.

Documentation: No new documents since your last access.

DCRs: No new DCRs since your last access.

SPRs and SMRs: No new SPRs since your last access.

The EUMETSAT Network of Satellite Application Facilities

NWC SAF

Support to Nowcasting and Very Short Range Forecasting

user: **btaemet** ([info](#))

[Log out.](#)

2.3 – Services for NWCSAF Users – Downloading Software

Firefox SAF NWC

https://www.nwcsaf.org/HD/Main.jsp

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GOBIERNO DE ESPAÑA MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE AEMet Agencia Estatal de Meteorología

SW packages & patches

SAFNWC/MSG SAFNWC/PPS

Overview

Welcome to the SAFNWC SW packages and patches page.
Please click in the tabs above to access to the MSG or PPS SW and related documentation

Foreseen dates for SW packages release

IMPORTANT NOTICE: Previous to the NWC SAF SW package download, it is mandatory to request the RTTOV licence from Numerical Weather Prediction SAF (NWP SAF) as detailed in the dedicated SW distribution pages.

Thanks for your cooperation

user: **btaemet** (info)

Altavoces: 0% 10:24 14/11/2013

2.3 – Services for NWCSAF Users – Downloading Software

The screenshot shows a web browser window with the URL <https://www.nwcsaf.org/HD/Main.jsp>. The page title is "SW packages & patches". In the top right corner, there are two tabs: "SAFNWC/MSG" (highlighted with a red circle) and "SAFNWC/PPS". Below the tabs, the page is titled "SAFNWC/MSG v2013". A table lists several software packages and patches, each with columns for Author, Date, Title and size, Coordinator, and Download. Below the table, there is an "Important Note" section, an "Alternative Download" section, and an "RTTOV Licence" section. The browser's taskbar at the bottom shows various application icons and the system clock indicating 12:17 on 14/10/2013.

Author	Date	Title and size	Coordinator	Download
LE	21/08/2013	SAFNWC/MSG v2013 application (2.00 GB) CKSUM: 2040871694 MD5SUM: 85122e3a7f50842931547508684ec7bf	AEMET	
LE	21/08/2013	SAFNWC/MSG v2013 documentation (89 MB)	AEMET	
LE	21/08/2013	SAFNWC/MSG v2013 Test Dataset (1.02 GB) CKSUM: 3755798822 MD5SUM: 6b5379e7a7f118f261218713b5532eafa	AEMET	
LE	09/09/2013	SAFNWC/MSG v2013 PGE09 patch (230 KB)	AEMET	
LE	09/09/2013	SAFNWC/MSG v2013 PGE09 patch readme (7 KB)	AEMET	

Important Note

PGE14 (PPH, Precipitation Products from Physical Properties) v1.0 product generator has been included within SAFNWC/MSG v2013.

As planed since previous version 2012, AMA product has been eliminated from current version of the SAFNWC/MSG given that SAFNWC/MSG users have not expressed their interest to maintain this product.

Alternative Download

The current package can also be downloaded by [FTP](#)

RTTOV Licence

The RTTOV SW from NWP SAF is embedded into the SAFNWC/MSG SW. Users are requested to fill in the application form at the following URL not requiring the software so, selecting None in the dropdown window.

http://research.metoffice.gov.uk/research/interproj/nwpsaf/request_forms/request_rtov_10.html

2.3 – Services for NWCSAF Users – Downloading Software

Firefox SAF NWC
 https://www.nwcsaf.org/HD/Main.jsp

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SW packages & patches

SAFNWC/MSC SAFNWC/PPS

SAFNWC/PPS v2012

PPS v2012-patch20130619

Author	Date	Title	Download
SMHI	19/06/2013	PPS v2012 patch 20130619 Release notes. (Read this before you start downloading.)	
SMHI	19/06/2013	v2012-patch20130619 (10 kB) This patch contains updates needed to use NWP-files in 137 levels, or with a selection of the original model levels. This patch is to be applied on top of PPS v2012-patch20130221.	 md5 check sum: cea37af0827ff41e2a2f6a6a1d642843

PPS v2012-patch20130221

Author	Date	Title	Download
SMHI	21/02/2013	PPS v2012 patch 20130221 Release notes. (Read this before you start downloading.)	
SMHI	21/02/2013	v2012-patch20130221 (1.5 MB) This patch contains updates needed to process Metop-B scenes. <i>Metop-B related updates are needed also for AAPP and RTTOV, see release notes.</i> This patch is to be applied on top of PPS v2012-patch20121026.	 md5 check sum: e981482656e58376b663aba008cbea9e

PPS v2012-patch20121026

The patch PPS v2012-patch20120927 has been replaced by this patch PPS v2012-patch20121026.

Author	Date	Title	Download
SMHI	26/10/2012	PPS v2012 patches 20120518 and 20121026 Release notes. (Read this before you start downloading.)	
		Note on parallelization, as introduced in patch20120927 (identical in patch20121026)	
SMHI		SAFNWC/PPS application v2012 has two alternative patches:	

2.3 – Services for NWCSAF Users – Log of changes

Firefox SAF NWC
https://www.nwcsaf.org/HD/Main.jsp

SAFNWC/MSG Log Of Changes

v2013 v2012 v2011 v2010 v2009 v2008 v2.0 v1.2 v1.1

SAFNWC/MSG v2013

Main changes in v2013 related to the previous version are summarised as follows:

General changes

- As planned since previous version 2012, AMA product (PGE12) has been eliminated from current SAFNWC/MSG release given that i) PT considers that the product has not achieved the expected degree of consolidation, ii) the product has not reached the status of operational product, and iii) the final users have not claimed for the continuity of the product.
- PGE14: Following the NWCSAF MSG v2013 Product Consolidation Review outcomes and the Steering Group decision a new PGE that computes Precipitation Products from Cloud Physical Properties (PPh) has been implemented. PGE14 includes two products: Precipitating Clouds from Cloud Physical Properties (PCPh) and Convective Rainfall Rate from Cloud Physical Properties (CRPh).
- Management of NWP data by the SAFNWC/MSG v2013 has been improved:
 - New release is able to manage NWP data in both REGULAR_LL and ROTATED_LL projections
 - Configuration of usage of NWP data by PGEs has been improved to ease the adaptation of the SAFNWC/MSG to different model
- System updated to manage all MSG-1, MSG-2 and MSG-3 SEVIRI data

PGE05 (CRR)

- The method for obtaining the Convective Rainfall Rate Intensity has been changed. Analytic functions are now used, instead of 2D and 3D LUT matrices.
- CRR intensity and CRR visualization is identical. Palettes have been modified for this purpose.
- Quality flag indicating latitude dependence is always set to 1, as the new analytic functions always take into account latitude.
- Dataflag "out of range" is always set to 0. It is no longer useful, as LUT matrices have been eliminated.

PGE09 (HRW)

- Calculation of trajectories through the successive tracking of the same tracer in consecutive slots (with output as a different specific Trajectory BUFR format file).
- Update of the calculation of the Orographic flag, so that now it considers as previous positions of the AMV those defined in its corresponding trajectory (when they exist).

2.3 – Services for NWCSAF Users – Mail Box

Firefox SAF NWC

https://www.nwcsaf.org/HD/Main.jsp

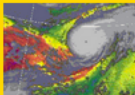
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Help Desk

NWC SAF

Home

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MSG Reference System Outputs

PPS Reference System Outputs

Mail Box

[write mail](#)

FAQs

Documentation

DCRs

[add DCR](#)

SW packages & patches

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SPR & SMR

[add SPR](#)

Consortium Members

SAFNWC General Information

Scientific Documentation

Visiting Scientist Activities

[VSA Announcements](#)

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SW Delivery Conditions

Workshops, Surveys & Training

user: **btaemet** (info)

[Log out.](#)

Mail Box

Find a mail

sender	date	subject	body
	01/06/2013		

pack.	item	type	ref. to:	status

Mail-Box							
sender	date	subject	pack	item	type	ref. to:	status
pstms	08/10/2013 08:13	MSG v2103 PGE09 Problem	MSG	SYSTEM	QUESTION	SW	Closed
btoms	30/09/2013 11:34	coordinates of the clear FOR in the optional output	MSG	PGE13	QUESTION	DOC	Open
btoms	30/09/2013 11:18	about the memory fault problem	MSG	PGE13	COMMENT	SW	Open
btoms	27/09/2013 12:06	profile uncertainties	MSG	PGE13	QUESTION	AOB	Open
btoms	26/09/2013 15:49	to the preveous letter - Memory fault	MSG	PGE13	QUESTION	SW	Closed
btoms	26/09/2013 15:30	Memory fault	MSG	PGE13	QUESTION	SW	Open
pstms	06/09/2013 07:42	MDL_CONF_FILE_ERROR	MSG	SYSTEM	QUESTION	SW	Closed
btoms	29/08/2013 11:21	uncertainty of K-index	MSG	PGE13	QUESTION	DOC	Open
btawgdwd	29/08/2013 10:09	PGE09 problems in SAFNWC/MSG v2013	MSG	PGE09	QUESTION	SW	Closed
btgeo	23/08/2013 11:20	safnwc_buf2hdf_seafaults when running with PGE11 (RDT)	MSG	SYSTEM	REPORT	SW	Closed
btsaws	16/08/2013 07:47	RDT display of decaying storms	MSG	PGE11	QUESTION	SW	Closed
bteum	08/08/2013 11:30	NWP remapping fails when triggered by monitoing task	MSG	TM	QUESTION	DOC	Closed
btdwd	06/08/2013 07:30	Release Date NWCSAF MSG 2013	MSG	SYSTEM	QUESTION	SW	Closed
btsaws	24/07/2013 14:40	RDT with and without NWP (part 2)	MSG	SYSTEM	QUESTION	DOC	Closed
btsaws	24/07/2013 14:36	RDT with and without NWP data	MSG	PGE11	QUESTION	DOC	Closed
btulpgc	18/07/2013 10:48	Error processing PGE01 and PGE02 outside the TM	MSG	SYSTEM	QUESTION	SW	Closed
pstms	04/07/2013 09:08	NWP Patch for PPS v2010	PPS	SYSTEM	QUESTION	DOC	Closed
btdwd	02/07/2013 08:36	safnwc_buf2hdf_problem	MSG	SYSTEM	QUESTION	SW	Closed
btsaws	28/06/2013 13:42	Installing part1 and part2 of msg patch	MSG	SYSTEM	QUESTION	DOC	Closed
btsaws	28/06/2013 08:59	Processing MSG3 data	MSG	SYSTEM	QUESTION	DOC	Closed
btoms	27/06/2013 12:07	SAT_REF_LONG parameter	MSG	PGE02	QUESTION	DOC	Closed
btoms	20/06/2013 11:34	verification results concerning the retrieved profiles	MSG	PGE13	QUESTION	DOC	Closed

[write a mail](#)

2.3 – Services for NWCSAF Users – Mail Box

Firefox SAF NWC
https://www.nwcsaf.org/HD/Main.jsp

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Write Mail

New mail			
pack.	item	type	ref. to:
MSG	SYSTEM	Question	Documentation

subject:

body:

attachment: No se ha seleccionado ningún archivo.

2.3 – Services for NWCSAF Users – SPRs

Firefox SAF NWC
 https://www.nwcsaf.org/HD/Main.jsp
 Más visitados Últimas noticias Inforjoven EducaMadrid

SPR & SMR

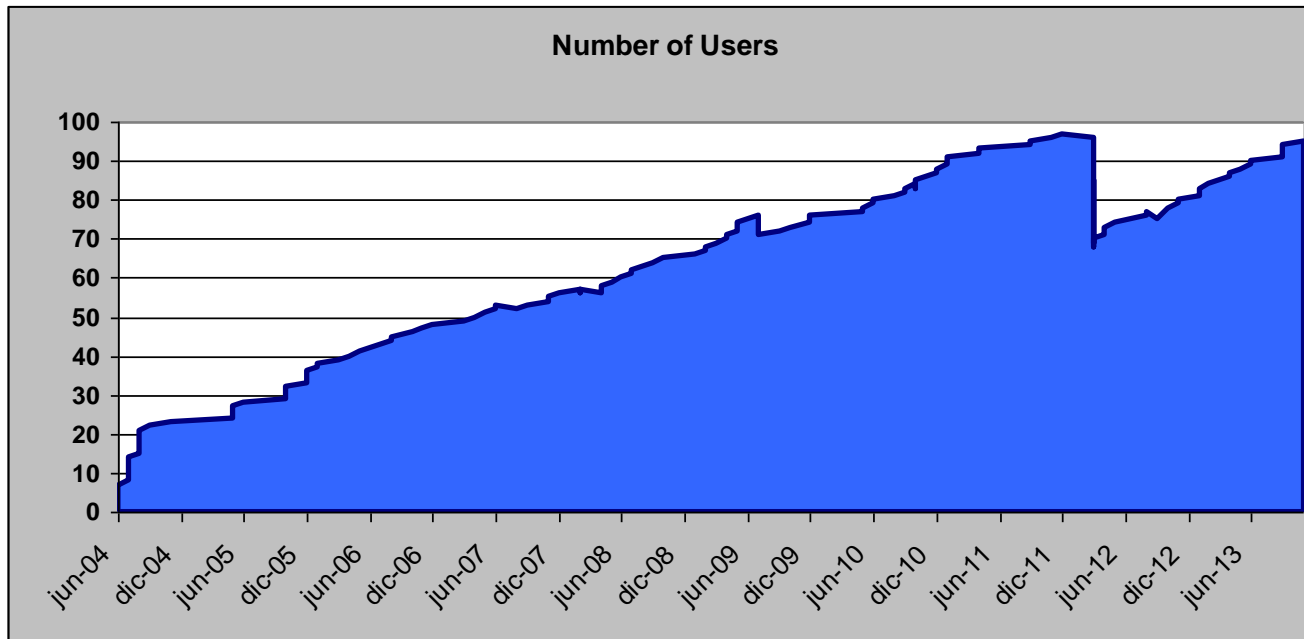
Find a SPR/SMR

code	SPR#	SMR#	originator	version	pack.	item	status
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SPR string			SMR string				
							Find

SPRs (538 found)								
id	title	ver.	p/t	item	orig.	date	SMR id	status
SPR-541	Missing NWP levels in PGE09	v2013	R/I	MSG.PGE09	inm	09/09/2013	517	Open
SPR-540	Successive error of SAFNWC/MSG PGE09 v2013	v2013	U/E	MSG.PGE09	inm	03/09/2013	516	Open
SPR-539	change color palette for KI	2012	R/O	MSG.PGE13	inm	01/08/2013	515	Closed:MSG v2013
SPR-538	NWP data in 137 levels	v 2012	U/O	PPS.ACPG OTHER	smhi	18/06/2013	514	Open
SPR-537	Regular release of PGE13 SPhR	v2013	R/I	MSG.PGE13	inm	09/05/2013	513	Closed:MSG v2013
SPR-536	New PGE for precipitation products	v2013	R/I	MSG.PGE14	inm	07/05/2013	512	Closed:MSG v2013
SPR-535	PGE12 removed in SAFNWC/MSG v2013	2012	R/O	MSG.SYSTEM	integrator	06/05/2013	508	Closed:MSG v2013
SPR-534	xml-files	v2012	R/I	PPS.SYSTEM	smhi	02/05/2013	No SMR	Open
SPR-533	Regular release of CRR/PGE05 v2013	v2012	R/I	MSG.PGE05	inm	25/04/2013	511	Closed:MSG v2013
SPR-532	Regular release of HRW/PGE09 v2013	v2012	R/I	MSG.PGE09	inm	24/04/2013	509	Closed:MSG v2013
SPR-531	Minor modification in PGE02	2012	R/O	MSG.PGE02	inm	12/04/2013	506	Closed:MSG v2013
SPR-530	bug in bufr2hdf tool	v2012.1	R/E	MSG.SYSTEM	btoms	08/03/2013	510	Closed:MSG v2013
SPR-529	PGE09 causes segfault in NWCLIB	2012	U/E	MSG.NWCLIB	integrator	01/03/2013	505	Closed:MSG v2013
SPR-528	MetopB-processing	v2012	U/I	PPS.ACPG OTHER	smhi	20/02/2013	504	Open
SPR-527	bug in PGE05	2012	R/E	MSG.PGE05	psshmu	22/01/2013	507	Closed:MSG v2013
SPR-526	Update to MSG-3	2012.1	U/I	MSG.SYSTEM	integrator	09/01/2013	503	Closed:MSG v2012.2
SPR-525	Attribute sec 1970 bug for viirs	2012	R/E	PPS.ACPG OTHER	smhi	20/12/2012	502	Open
SPR-524	CPP compilation problems	v2012	R/I	PPS.ACPG PGE05	smhi	13/12/2012	501	Open
SPR-523	Bug activating the "Calculation of detailed winds"	v2012	R/E	MSG.PGE09	inm	04/12/2012	500	Closed:MSG v2013
SPR-522	PPS v2012-patch20121026 miscellaneous	v2012	R/I	PPS.ACPG OTHER	smhi	30/11/2012	499	Open
SPR-521	Regression test, tricky to run	v2012	R/E	PPS.ACPG OTHER	smhi	30/11/2012	498	Open
SPR-520	Fix when bad combinations of qrib_api and pyqrib	v2012	C/I	PPS.ACPG OTHER	smhi	30/11/2012	497	Open
SPR-519	Bug for NWP data on pressure levels	v2012	C/E	PPS.ACPG OTHER	smhi	30/11/2012	496	Open
SPR-518	NWP fields in different resolution	v2012	R/I	PPS.ACPG OTHER	smhi	30/11/2012	495	Open
SPR-517	Logging to file	v2012	R/I	PPS.SYSTEM	smhi	30/11/2012	494	Open
SPR-516	Regular release of PGE11 for v2013	v2012	R/I	MSG.PGE11	mfdpr	28/09/2012	492	Closed:MSG v2013
SPR-515	PGE09 BUFR encoding	v2012	U/E	MSG.PGE09	inm	24/09/2012	491	Closed:MSG v2013
SPR-514	Improvement in NWP data management	2012	R/I	MSG.NWCLIB	integrator	07/08/2012	490	Closed:MSG v2013
SPR-513	Very High Values of Humidity and Instability	v2012	U/I	MSG.PGE13	inm	01/08/2012	487	Closed:MSG v2012.1
SPR-512	r and q Humidity parameters and RTTOV	v2012	R/O	MSG.PGE13	inm	31/07/2012	488	Closed:MSG v2012.1
SPR-511	Error in Diff's Computations	v2012	R/E	MSG.PGE13	inm	31/07/2012	489	Closed:MSG v2012.1
SPR-510	...	v2012	C/E	PPS.SYSTEM	smhi	28/06/2012	486	Open

3 – Use of NWCSAF Help Desk for CDOP-2

3.1 – Number of Users

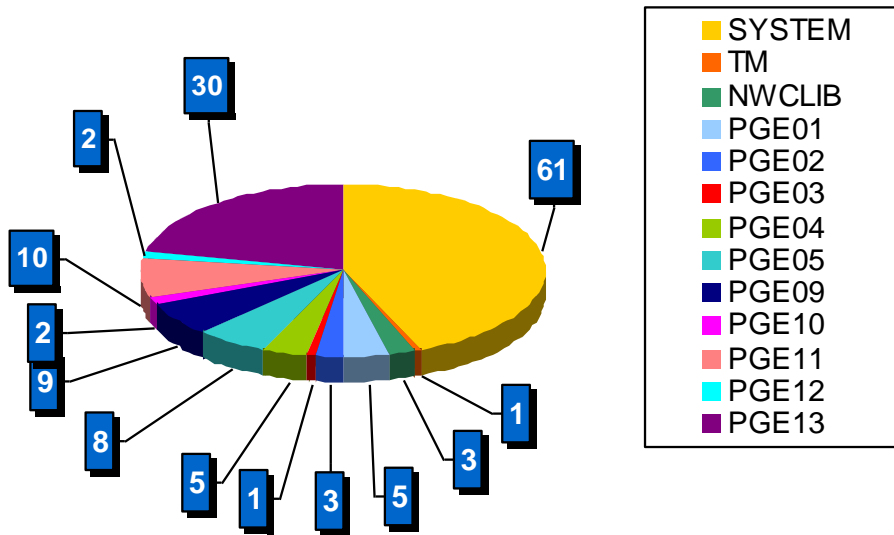


96 Users on 15/11/2013

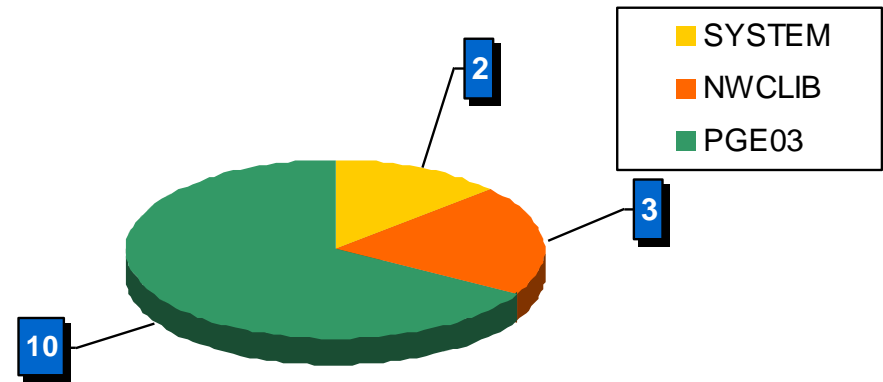
3 – Use of NWCSAF Help Desk for CDOP-2

3.2 – Use of the Mail Box

Number of e-mails by MSG item sent by users



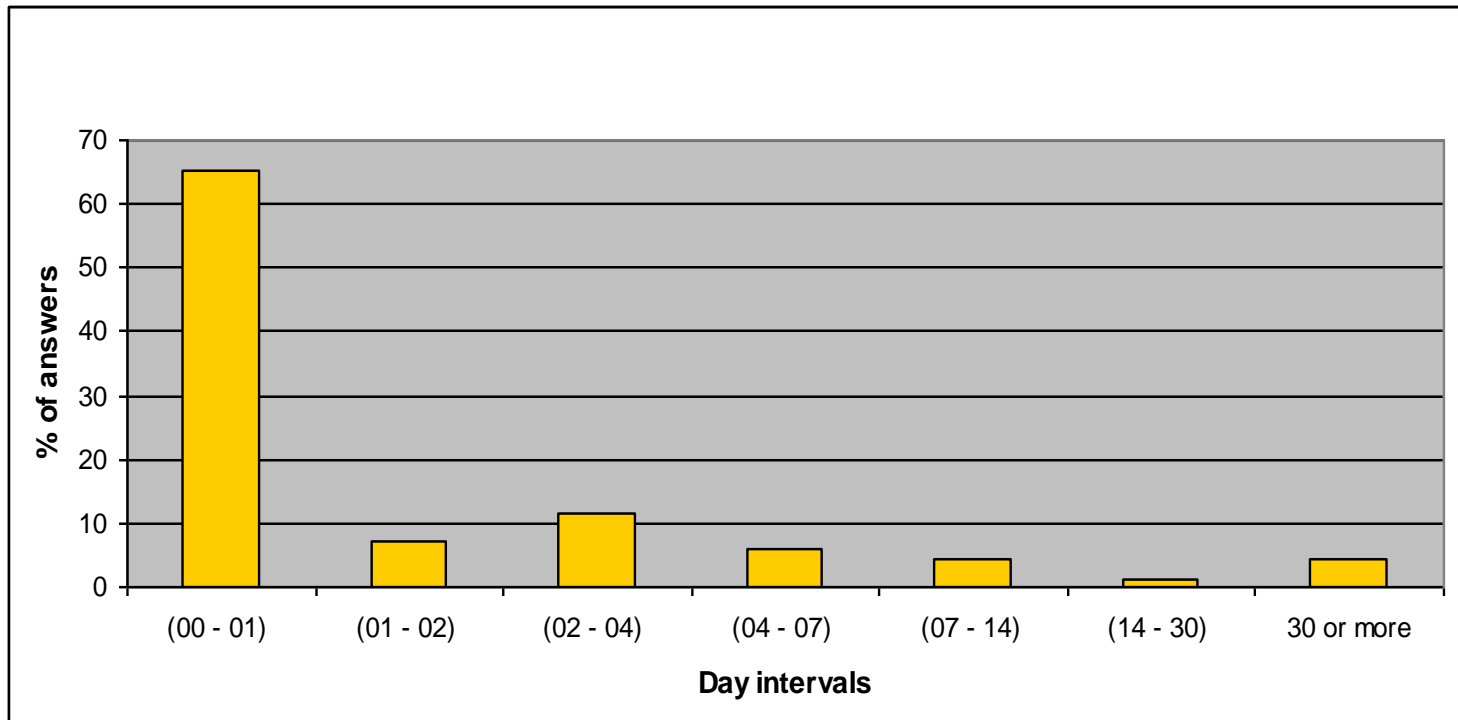
Number of e-mails by PPS item sent by Users



**Total emails received from 01/03/2012 until 15/11/2013:
140 for MSG and 15 for PPS**

3 – Use of NWCSAF Help Desk for CDOP-2

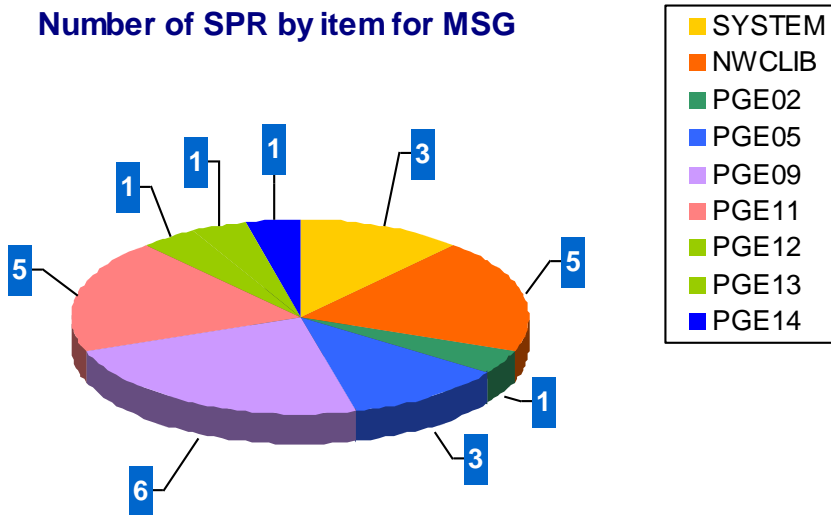
3.2 – Use of the Mail Box – Response Time



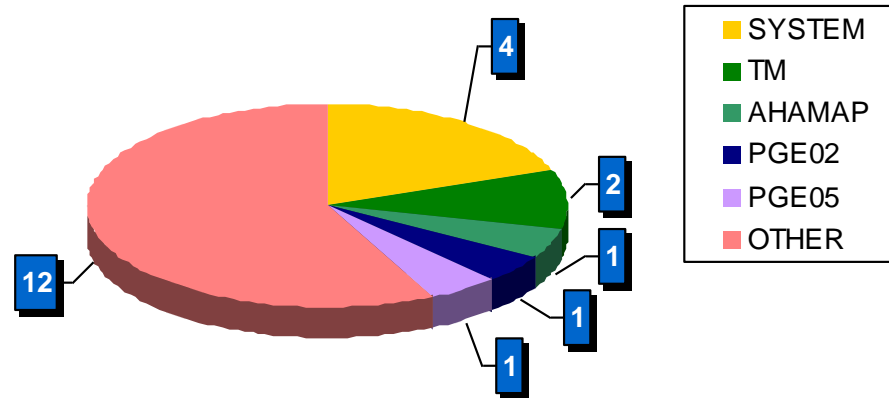
3 – Use of NWCSAF Help Desk for CDOP-2

3.3 – SPRs

Number of SPR by item for MSG

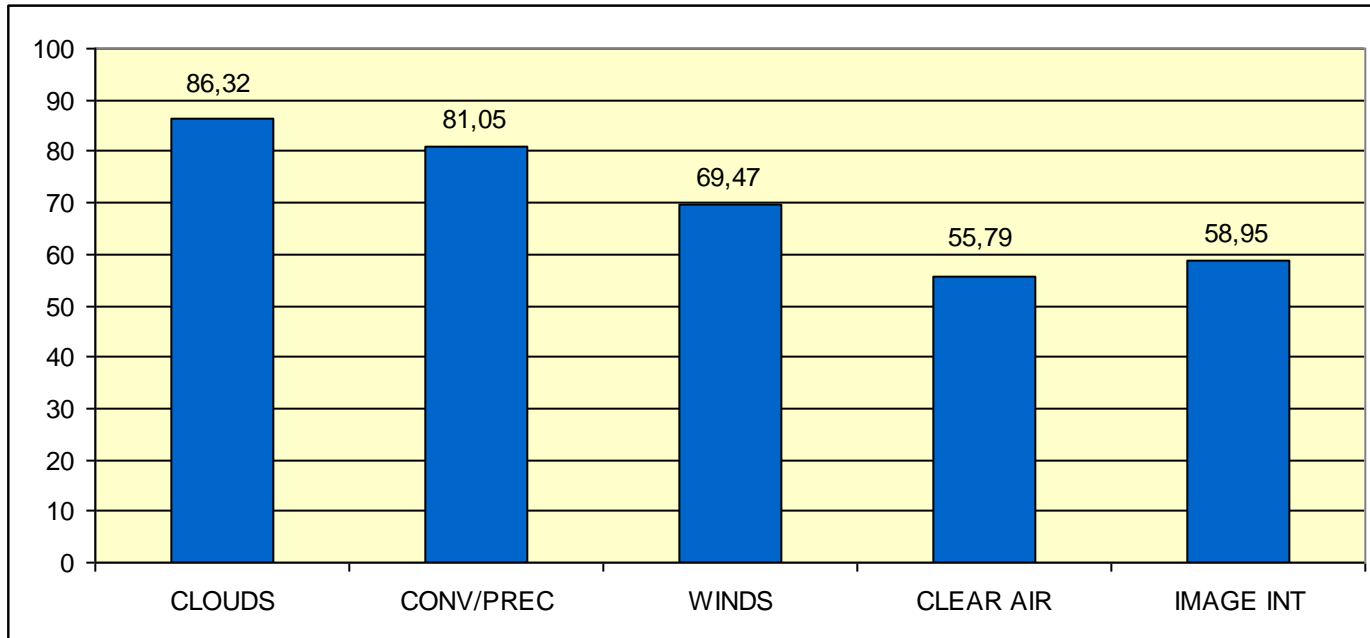


Number of SPR by item for PPS



Total Number of SPRs: 26 for MSG and 21 for PPS

Interests of the users in different products



Thank you for your attention!

Any question?