

# ASAR Daily Report





Analysis from 14-FEB-2008 00:00:00 to 14-FEB-2008 15:00:02. Page generated on 14-FEB-2008 15:03:11. View log file: ASAR\_Daily\_Report\_20080214\_1500.log. For any anomalies please contact mtranfaglia@serco.it,gscarpino@serco.it.

This report is automatically generated every day, every 2 hours. No comments are provided on the results.

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#### 2. AUXILIARY FILES ANALYSIS

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- 7.2 Analysis for IMM

## 8. TELEMETRY ANALYSIS

- 8.1 Number of Missing Lines
- 8.2 Number of Gaps

#### 1 - DATA SUMMARY

#### 1.1 - Summary tables

																					_	
WVS			GM1				APM				IMM				WSM				М	S		
Center Beam Pol #		Center	Beam	Pol	#	Center	Time	Pol	Modules													



# 1.2 - Lists of products used

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#### 2 - AUXILIARY FILES ANALYSIS

# 2.1 - IECF operational ADFs list

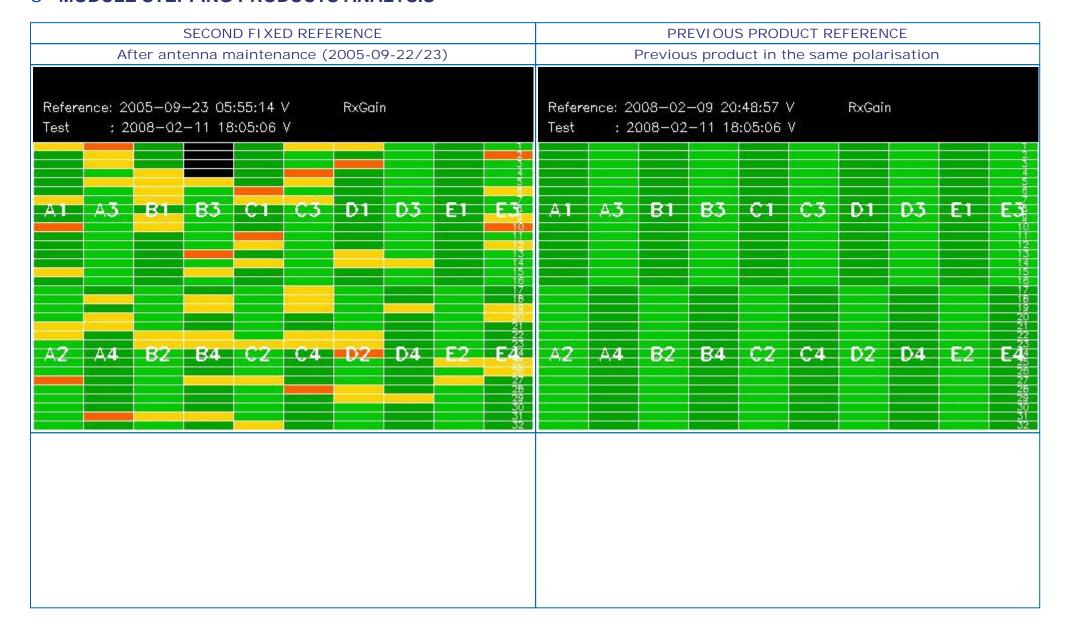
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No IECF ADFs list available

# 2.2 - Products with wrong ADFs

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#### **3 - MODULE STEPPING PRODUCTS ANALYSIS**

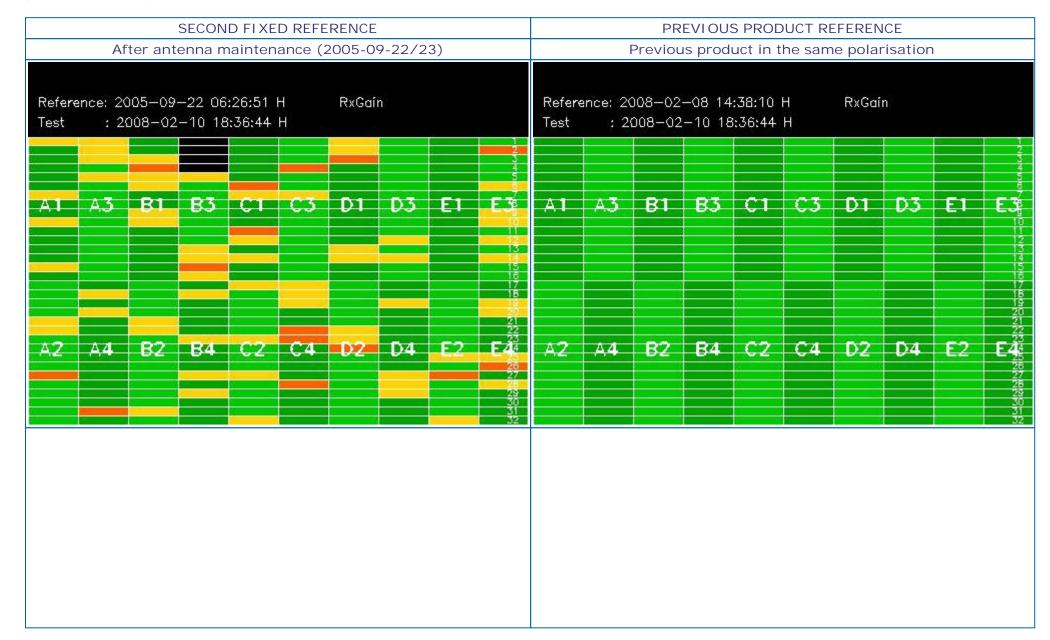








# 3.2 - H/H polarisation













#### 4 - CALIBRATION PULSES ANALYSIS

#### 4.1 - Analysis for WVS IS2 V/V

#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8 /12/16/20/24/28/32] Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8 /12/16/20/24/28/32]

#### 4.1.2 - All Rows Analysis for WVS IS2 V/V

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## 4.2 - Analysis for GM1 SS3 H/H

#### 4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8 /12/16/20/24/28/32]

| Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8 /12/16/20/24/28/32]

#### 4.2.2 - All Rows Analysis for GM1 SS3 H/H

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# **5 - DOPPLER ANALYSIS**

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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5.3 - Doppler JUMPS Analysis for WSM

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# **6 - CHIRP ANALYSIS**

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor





# 7 - RAW DATA ANALYSIS

# 7.1 - Analysis for WVS

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		$\boxtimes$	
	Channel	Statistics	DSS-B
	MEAN I	mean	
	IVIEAN I	stdev	
	MEAN Q	mean	
$\times$	IVIEAN C	stdev	
	Channel	Statistics	DSS-B
	STDEV I	mean	
	SIDEVI	stdev	
	STDEV Q	mean	
	SIDLV Q	stdev	

# 7.2 - Analysis for IMM

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		Channel	Statistics	DSS-B
		MEAN I	mean	
		IVICANI	stdev	
		MEAN Q	mean	
$\times$	$\boxtimes$	IVIEAN Q	stdev	
		Channel	Statistics	DSS-B
		STDEV I	mean	
		SIDEVI	stdev	
		STDEV Q	mean	
		SIDEV Q	stdev	

# 8 - TELEMETRY ANALYSIS

# 8.1 - Number of Missing lines

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8.2 - Number of Gaps



In particular, but not limited to:

- (a) Modification, reverse engineering or distribution is not permitted in any form.(b) Usage is restricted to Serco S.p.A. employee belonging to the above Contract Reference.Any deviation from above rules requires an explicit prior written authorisation of Serco S.p.A.



ASAR DAILY REPORT for 080214

MODE: DAILY ANALYSIS: ALL DATE: TODAY

Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02

Results will be exported to the directory: ./RESULTS/DAILY/080214/

#### DATA SUMMARY

Summary will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02 Results will be exported to the directory: ./RESULTS/DAILY/080214/DATA SUMMARY

Creating directory ./RESULTS/DAILY/080214/DATA SUMMARY...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting WVS products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_WVS\_products\_used.xls...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting GM1 products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_GM1\_products\_used.xls...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting APM products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA SUMMARY/List APM products used.xls...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting IMM products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_IMM\_products\_used.xls...

Writing file ./RESULTS/DAILY/080214/DATA SUMMARY/List IMM products used.txt...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting WSM products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_WSM\_products\_used.xls...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting MS products list from 2008-02-14 00:00:00 to 2008-02-14 15:00:02...

Writing file ./RESULTS/DAILY/080214/DATA SUMMARY/List MS products used.xls...

Writing file ./RESULTS/DAILY/080214/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed

#### AUXILIARY FILES ANALYSIS

Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02 Results will be exported to the directory: ./RESULTS/DAILY/080214/AUXILIARY

Creating directory ./RESULTS/DAILY/080214/AUXILIARY...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Looking for the IECF operational ADFs list...



```
No IECF ADFs list available for the selected period...
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Writing file ./RESULTS/DAILY/080214/AUXILIARY/ASAR ADFs IECF List3.html...

#### AUXILIARY FILES ANALYSIS completed

#### 

```
MODULE STEPPING ANALYSIS
Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02
Results will be exported to the directory: ./RESULTS/DAILY/080214/MODULE STEPPING
Creating directory ./RESULTS/DAILY/080214/MODULE STEPPING...
Creating directory ./RESULTS/DAILY/080214/MODULE STEPPING/FIRST REFERENCE...
Creating directory ./RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/080214/MODULE STEPPING/PREVIOUS PRODUCT REFERENCE...
Deleting old files...
Creating images comparing with second reference...
Exporting results to the directory ../../RESULTS/DAILY/080214/MODULE STEPPING/SECOND REFERENCE...
Polarization: H
Test product: ASA_MS__0PNPDK20080210_183644_000000162065_00485_31100_0476.N1
../../RESULTS/DAILY/080214/MODULE STEPPING/SECOND REFERENCE/TGH 20080210 183644-20050922 062651.png
../../RESULTS/DAILY/080214/MODULE STEPPING/SECOND REFERENCE/TPH 20080210 183644-20050922 062651.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE/RGH_20080210_183644-20050922_062651.png
../../RESULTS/DAILY/080214/MODULE STEPPING/SECOND REFERENCE/RPH 20080210 183644-20050922 062651.png
Polarization: V
Reference product: ASA MS 0PNPDK20050923 055514 000000152041 00048 18639 0042.N1
Test product: ASA MS 0PNPDK20080211 180506 000000162065 00499 31114 0477.N1
../../RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE/TGV_20080211_180506-20050923_055514.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE/TPV_20080211_180506-20050923_055514.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE/RGV_20080211_180506-20050923_055514.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/SECOND_REFERENCE/RPV_20080211_180506-20050923_055514.png
Creating images comparing with previous product reference...
Exporting results to the directory ../../RESULTS/DAILY/080214/MODULE STEPPING/PREVIOUS PRODUCT REFERENCE...
Polarization: H
Test product: ASA MS 0PNPDK20080210 183644 000000162065 00485 31100 0476.N1
../../RESULTS/DAILY/080214/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20080210_183644-20080208_143810.png
../../RESULTS/DAILY/080214/MODULE STEPPING/PREVIOUS PRODUCT REFERENCE/TPH 20080210 183644-20080208 143810.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20080210_183644-20080208_143810.png
../../RESULTS/DAILY/080214/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20080210_183644-20080208_143810.png
Polarization: V
Reference product: ASA_MS__0PNPDE20080209_204857_000000162065_00472_31087_0266.N1
Test product: ASA MS 0PNPDK20080211 180506 000000162065 00499 31114 0477.N1
    V
```



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V
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../../RESULTS/DAILY/080214/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20080211\_180506-20080209\_204857.png
../../RESULTS/DAILY/080214/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20080211\_180506-20080209\_204857.png
../../RESULTS/DAILY/080214/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20080211\_180506-20080209\_204857.png

../../RESULTS/DAILY/080214/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20080211\_180506-20080209\_204857.png

../../RESULTS/DATLY/000214/MODULE\_STEPPING/PREVIO

CALIBRATION PULSES ANALYSIS

Creating directory ./RESULTS/DAILY/080214/CALIBRATION\_PULSES...

ALL ROWS Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02

Analysing products WVS IS2  $\mathrm{V/V}$ 

\*\*\* No Data \*\*\*

Analysing products GM1 SS3 H/H

\*\*\* No Data \*\*\*

TEMPORAL EVOLUTION Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 1/5/9/13/17/21/25/29 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-02-14\_1.dat...

No data to be processed for WVS IS2 V/V...

Getting calibration pulses data for WVS IS2 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 2/6/10/14/18/22/26/30 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-02-14\_2.dat...

No data to be processed for WVS IS2  $\ensuremath{\text{V/V}}\ldots$ 

Getting calibration pulses data for WVS IS2 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 3/7/11/15/19/23/27/31 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-02-14\_3.dat...

No data to be processed for WVS IS2 V/V...

Getting calibration pulses data for WVS IS2 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 4/8/12/16/20/24/28/32 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-02-14\_4.dat... No data to be processed for WVS IS2 V/V...

Analysing products GM1 SS3 H/H

Getting calibration pulses data for GM1 SS3 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 1/5/9/13/17/21/25/29 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-02-14\_1.dat...

No data to be processed for GM1 SS3 H/H...

Getting calibration pulses data for GM1 SS3 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 2/6/10/14/18/22/26/30 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-02-14\_2.dat...

No data to be processed for GM1 SS3 H/H...

Getting calibration pulses data for GM1 SS3 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 3/7/11/15/19/23/27/31 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-02-14\_3.dat... No data to be processed for GM1 SS3 H/H...

Getting calibration pulses data for GM1 SS3 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02. Rows: 4/8/12/16/20/24/28/32 Writing file ./RESULTS/DAILY/080214/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-02-14\_4.dat...

No data to be processed for GM1 SS3 H/H...

CALIBRATION PULSES ANALYSIS completed





DOPPLER ANALYSIS ###################################
**********************
**********************
DOPPLER ANX Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02
Analysing products WVS IS2 V/V  Getting doppler data for WVS IS2 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02  Writing file ./RESULTS/DAILY/080214/DOPPLER/Doppler_data_WVS_IS2_VV_2008-02-14.dat  No data to be processed for WVS IS2 V/V
Analysing products GM1 SS1 H/H Getting doppler data for GM1 SS1 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02 Writing file ./RESULTS/DAILY/080214/DOPPLER/Doppler_data_GM1_SS1_HH_2008-02-14.dat No data to be processed for GM1 SS1 H/H
**********************
**************************************
Analysing by default products WSM  Getting doppler jumps data for WSM from 2008-02-14 00:00:00 to 2008-02-14 15:00:02  Writing file ./RESULTS/DAILY/080214/DOPPLER/Doppler_Jumps_data_WSM_2008-02-14.dat  No data to be processed for WSM
**************************************
DOPPLER MAP Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02
Analysing products WVS IS2 V/V
*** Insufficient Data to Plot ***
*** Insufficient Data to Plot ***
Analysing products GM1 SS1 H/H
*** Insufficient Data to Plot ***
*** Insufficient Data to Plot ***
DOPPLER ANALYSIS completed ###################################
CHIRP ANALYSIS ###################################
**********************
**************************************
CHIAN ANDLY 313 WILL DE PELLOTHER LLOH 2000-02-14 00.00.00 LO 2000-02-14 13.00.02

\*

Getting ScaleFactor data for WSM SS1 H/H from 2008-02-14 00:00:00 to 2008-02-14 15:00:02... Writing file ./RESULTS/DAILY/080214/CHIRP/ScaleFactor\_data\_WSM\_SS1\_HH\_2008-02-14.dat... ScaleFactor: no data to be processed for WSM SS1 H/H...

Analysing products WSM SS1 V/V

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Getting ScaleFactor data for WSM SS1 V/V from 2008-02-14 00:00:00 to 2008-02-14 15:00:02... Writing file ./RESULTS/DAILY/080214/CHIRP/ScaleFactor\_data\_WSM\_SS1\_VV\_2008-02-14.dat... ScaleFactor: no data to be processed for WSM SS1 V/V...

CHIRP ANALYSIS completed

RAW DATA ANALYSIS

Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02 Results will be exported to the directory: ./RESULTS/DAILY/080214/RAW\_DATA

Creating directory ./RESULTS/DAILY/080214/RAW\_DATA...

\*

Getting raw data for WVS from 2008-02-14 00:00:00 to 2008-02-14 15:00:02... Writing file ./RESULTS/DAILY/080214/RAW\_DATA/Raw\_data\_WVS\_2008-02-14.dat...

No data to be processed for WVS...

\*

Getting raw data for IMM from 2008-02-14 00:00:00 to 2008-02-14 15:00:02... Writing file ./RESULTS/DAILY/080214/RAW\_DATA/Raw\_data\_IMM\_2008-02-14.dat...

No data to be processed for IMM...

RAW DATA ANALYSIS completed

TELEMETRY ANALYSIS

Analysis will be performed from 2008-02-14 00:00:00 to 2008-02-14 15:00:02 Results will be exported to the directory: ./RESULTS/DAILY/080214/TELEMETRY

Creating directory ./RESULTS/DAILY/080214/TELEMETRY...

Looking for gaps and missing lines in WVS products...

\*\*\*\*\*\*\*\*\*\*\*\*\*

No products from PDE...

No products from PDK...

Looking for gaps and missing lines in GM1 products...

\*\*\*\*\*\*\*\*\*\*\*

No products from PDE...

No products from PDK...

Looking for gaps and missing lines in APM products...

\*\*\*\*\*\*\*\*\*\*

No products from PDE...

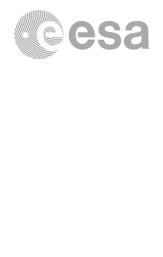
No products from PDK...

Looking for gaps and missing lines in IMM products...



No products from PDE... No products from PDK... Looking for gaps and missing lines in WSM products... \*\*\*\*\*\*\*\*\*\*\* No products from PDE... No products from PDK... No data found... \* TELEMETRY ANALYSIS completed BROWSE PRODUCTS ANALYSIS Analysis will be performed on 2008-02-14 \* Scanning directory /nas3/ENVISAT/ASAR//ASA GM BP... Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_GM\_\_BP/JPG/20080214/ ANALYSIS COMPLETED: 0 GM browse products to see... \* \* Scanning directory /nas3/ENVISAT/ASAR//ASA AP BP... Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA AP BP/JPG/20080214/ ANALYSIS COMPLETED: 0 AP browse products to see... \* \* Scanning directory /nas3/ENVISAT/ASAR//ASA IM BP... Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_IM\_\_BP/JPG/20080214/ ANALYSIS COMPLETED: 0 IM browse products to see... \* \* Scanning directory /nas3/ENVISAT/ASAR//ASA WS BP... Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA WS BP/JPG/20080214/ ANALYSIS COMPLETED: 0 WS browse products to see... \* BROWSE PRODUCTS ANALYSIS completed HTML REPORT generation Building file ./RESULTS/DAILY/080214/asarReport.html... Building DATA SUMMARY section... Building AUXILIARY FILES ANALYSIS section...

\*\*\*\*\*\*\*\*\*\*\*



Building MODULE STEPPING ANALYSIS section...
Building CALIBRATION PULSES ANALYSIS section...
Building DOPPLER ANALYSIS section...
Building CHIRP ANALYSIS section...
Building RAW DATA ANALYSIS section...
Building TELEMETRY ANALYSIS section...







# ENVISAT ASAR Daily Report





					RxGaíi	1		
\3	B1	B3	C1	C3	D1	D3	ΕΊ	2 3 4 5 6 7 <b>E 3</b> 6
								12 13 14 15 16 17 18 19
<b>4</b>	B2	B4	C2	C4	D2	D4	<b>E</b> 2	21 22 23 <b>E 4</b> 4 25 26 27 28
		: 2008-02-	: 2008-02-10 18	: 2008-02-10 18:36:44	: 2008-02-10 18:36:44 H			

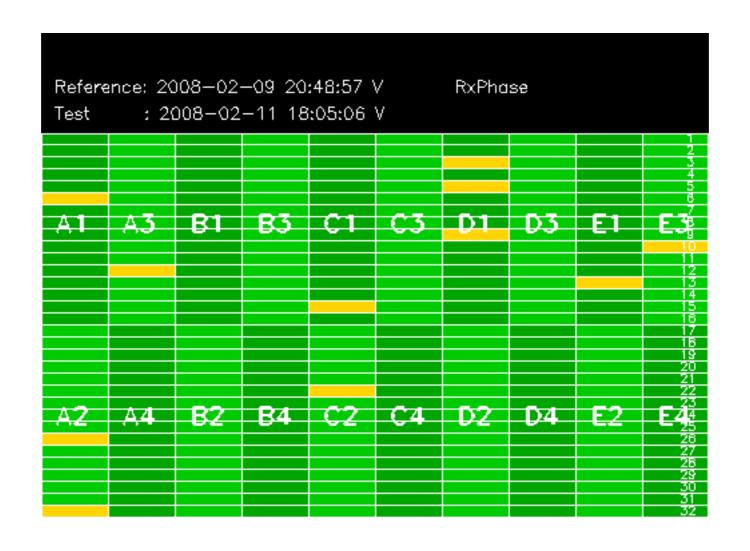


	ence: 20					RxGaiı	n		
A.1	А.3	B1	B3	C1	C3	D1	D3	Ε1	2 3 4 5 5 7 <b>E.3</b> 8
									13 14 15 16 17 16 19 20
A2	Α4	B2	B4	C2	C4	D2	D4	E2	24 44 25 26 27 26 29 30











	ence: 20					TxGair	1		
A1	A3	B1	B3	C1	C3	D1	D3	ΕΊ	2 3 4 5 8 7 E 3 10
									12 13 14 15 16 17 18 19
A.2	A4	B2	B4	C2	C4	D2	D4	E2	21 22 23 <b>E</b> 44 25 26 27 26 29
									29 30 31 32



				:48:57 \ :05:06		TxGair			
A1	A.3	B1	B3	C1	C3	D1	D3	Ε1	2 3 4 5 8 7 <b>E 3</b> 8 10
									12 13 14 15 16 17 18 19 20
A.2	A4	B2	B4	C2	C4	D2	D4	E2	22 23 23 24 4 25 26 27 28 28



