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**MANUEL D'UTILISATION
OPS IASI LEVEL1 SOFTWARE USER MANUAL**

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INDEX SHEET

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GLOSSARY AND LIST OF TBC AND TBD ITEMS

AVHRR	Advanced Very High Resolution Radiometer : radiomètre avancé à très haute résolution (visible et infrarouge) sur les satellites polaires
CGS	Core Ground Segment : segment-sol développé par ALCATEL sous contrat d'EUMETSAT, et dans lequel l'OPS ira s'insérer
IASI	Infrared Atmospheric Sounding Interferometer : interferomètre de sondage atmosphérique dans l'infrarouge.
ISRFEM	Instrument Spectral Response Function Estimation Model
JDBS	JdB server
MCS	Monitoring and Control Segment
MP	Main Process
MSGs	Message Server
OPS	Logiciel Opérationnel (Operational Software) : correspond au IASI level 1 PPS dans les glossaires d'EUMETSAT. PPS=Product Processing Software
PGF	Product Generation Facility
TES	Time Event Server
WO	Working Order
WOM	Work Order Manager

List of TBC items :

List of TBD items :

1.OVERVIEW

1.1.APPLICABLE AND REFERENCE DOCUMENTS

The contractual applicable and reference documents are listed in the « Liste Unique » document IA-LD-2100-9550-THA.

1.2.OBJECTIVES

The current document is the Software User Manual Document [DA112] which depicts the user interface available to monitor and control the OPS subsystem.

The intended readers are the CGS operator who are in charge to operate the OPS sub_system. This operator has to be familiar with the operating system AIX.

1.3.USING DOCUMENT

Section 1 presents an overview of the document.

Section 2 presents an OPS technical overview.

Section 3 describes the OPS user interface.

2. TECHNICAL OVERVIEW

2.1. OPS FUNCTIONS

The main OPS function is to generate IASI L1 products from IASI L0 data under the PGF control.

The Production processus is split into 3 steps :

- processing initialisation : configuration parameters loading,
- data computing,
- products generation.

The functions outcome of monitoring and control requirements are :

- OPS sub system monitoring and control,
- work order retrieving and processing,
- log and trace event management,
- anomalies management.

Remark : The overlap used by the software in granule mode must be greater than 8 s and lower than 16 s to ensure continuity of data produced.

2.2. ARCHITECTURE

The OPS software is compound of the following 5 permanent UNIX processus :

- the MP processus (Main Process) is in charge of monitoring and control the OPS subsystem : start/stop the facility, collect and execute the PGF commands, collect and generate the HKTM status.
- the TES processus (Time Event Server) is in charge to inform a subscriber process when a scheduled event timer occurs (periodic timer or punctual date).
- the MSGS processus (Message Server) is in charge to collect and dispatch the inter-processus messages. This processus provides a centralized and generic mechanism to exchange applicative messages between software processus.
- the JDBS processus (JDB Server) is in charge to collect log events and log traces messages generated by the OPS processus and send them to the MCS.

- the WOM processus (Work Order Manager) is in charge to manage the data processing commands (STEP/SUSPEND/RESUME/BREAK) provided by the PGF and to control the data processing executed by the SD processus.
- the SD processus (Data Server) is in charge to process IASI L0 input data in order to generate IASI L1 data according to the processing description provided by the WOM.

The following figure shows the OPS software architecture.

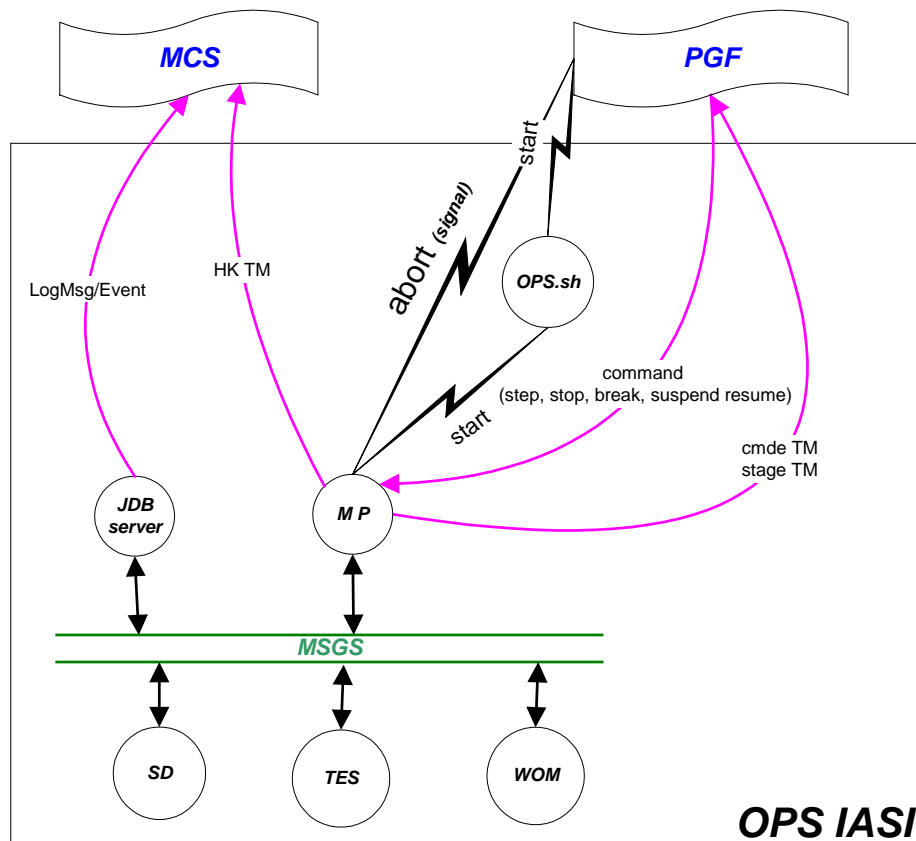


Figure 1 : OPS software architecture

Remark : 2 Go of swap memory are required for OPS functionalities.

2.3.AVHRR DATA

AVHRR data are processed by IASI L1 PPF for geolocation purposes and for radiances analysis. IASI L1 PPF requires the maximum precision of AVHRR ; that means a FULL AVHRR product [i.e. for AVHRR PFS6.5 NP=103 (full AVHRR FOV) and NE=2048 (no sub-sampling of AVHRR)].

More-over, the geolocation sampling is not clearly defined in AVHRR PFS. IASI L1 PPF has used the input given by EUMETSAT : 1st sample is pixel #5, and the pixels are sampled every 20 pixels. Note : this definition is fully consistent with the GAC specification provided in the AVHRR ICD : that is 1st sample is pixel #25 and the sampling rate is 40 (cf. definition of ANGULAR_RELATIONS).

3.USER INTERFACES

3.1.ENVIRONMENT VARIABLES

The user must specify the spacecraft identification before launching the OPS software.

The spacecraft ID variable is stored in the file MP.env located in the <WORKING_ROOT_DIR>/OPS/config directory :

environment variable name	parameter
SPACECRAFT_ID	Spacecraft identification : M01, M02, M03 , N16 or N17 for respectively METOP 01, METOP 02, METOP 03, NOAA 16 and NOAA 17 satellites. The default value is M01 if the environment variable is not defined.

The author of the context files is defined by the environment variable CONTEXT_SOURCE in the file SD.env.

The precision of the AVHRR integration period may be variable. At the beginning, it's value was 1 millisecond. Now, 3 milliseconds is needed. The user can set it up in the file SD.env located in the <WORKING_ROOT_DIR>/OPS/config directory :

environment variable name	parameter
DATE_MARGE_LIGNE_AVHRR	precision of the AVHRR integration period in milliseconds. The default value is 1 if the environment variable is not defined.
CONTEXT_SOURCE	author of the context : IAST, CGS1. The default value is CGS1 if the environment variable is not defined.

3.2.OPS START-UP AND STOP PROCEDURES

The OPS current version is reachable in <WORKING_ROOT_DIR>/OPS directory which is a soft link to the current version installation directory. To modify the OPS current version, it is enough to modify the soft link in order to reference the wished version. In the CGS environment, the PGF subsystem is in charge to configure the OPS current version.

Two launching methods are available :

- the CGS launching mode: the OPS software is launched remotely by the PGF. The OPS subsystem is under PGF control
- the standalone mode : the OPS is launched manually and is running without any external interface (MCS or PGF).

So, the OPS application provides two start-up shell scripts :

- **OPS.sh** to launch the OPS in CGS mode, this shell script is executed by the PGF to launch the OPS subsystem,
- **StartStandAlone.sh** to launch the OPS in standalone mode, this shell script is executed by the OPS operator to launch the OPS subsystem.

These scripts are available in <WORKING_ROOT_DIR>/OPS/cmd directory.

To execute a start up script, execute the following commands :

Connect as **iasi_1** user

cd <WORKING_ROOT_DIR>/OPS/cmd

<start up shell>.sh <Start command Id>< WORKING_ROOT_DIR > <mode (N: nominal/I:investigation)>

Furthermore, two execution modes are available :

- In nominal mode, the OPS processes stored in <WORKING_ROOT_DIR>/OPS/bin/nominal directory, are optimized in execution time.
- In investigation mode, the OPS processes stored in <WORKING_ROOT_DIR>/OPS/bin/debug directory are launched. In this mode, the OPS processes generate lots of trace events in order to investigate malfunctions.

In CGS mode the OPS subsystem stops by itself when the last granule of the current dump is processed. But the PGF can stop the OPS subsystem at any time by sending a STOP command.

Two manual methods are available to stop the OPS software :

- simulate an MCS abort command : send a signal number 15 to OPS processes group,
- simulate an unrecoverable error in the MP process : send a signal number 11 to MP process.

An unexpected stop of one of the following processes TES, JDBS, WOM, SD, implies the stop of the whole OPS subsystem.

Remark 1 : In order to enable the generation of big files (especially in dump mode) the OPS

must be launched in a shell after setting the maximum length of file to unlimited (command : **ulimit -f unlimited.**). This modification requires specific rights thanks to system administrator.

Remark 2 : The OPS user must verify before launching the processing chain that the NLSPATH environment variable is set :

Connect as **iasi_1** user

echo \$NLSPATH

the result must be different from "" (ex :

/usr/dt/lib/nls/msg/%L/%N.cat:/usr/dt/lib/nls/msg/C/%N.cat:/usr/lib/nls/msg/%L/%N:/usr/lib/nls/msg/%L/%N.cat)

3.3.USER INTERFACE IN STANDALONE MODE

In standalone mode, the external interfaces must be simulated.

The input interface to retrieve the PGF commands is simulated by a fifo pipe. The **StartStandAlone.sh** creates the pipe **cmd_fromPGF** in the temporary directory (**<WORKING_ROOT_DIR>/tmp**).

To simulate a PGF command sending, execute the following commands :

Connect as **iasi_1** user

cd <WORKING_ROOT>/tmp

echo <PGF command> >cmd_fromPGF

The OPS output interfaces are stored in ASCII files. Four ASCII files are created at the OPS start up to collect :

- the cmdTM and StageTM data,
- the HKTM status,
- the log events,
- the traces events.

The filename of these files are defined thanks to the following environment variables stored in the **OPS.env** file located in the **<WORKING_ROOT_DIR>/OPS/config** directory :

environment variable name	parameter
---------------------------	-----------

CHN_STANDALONE_LOG_FILE	filename in which the log events are stored
CHN_STANDALONE_TRACE_FILE	filename in which the trace events are stored
CHN_STANDALONE_CMD_TM_FILE	filename in which the cmdTM and stageTM are stored
CHN_STANDALONE_HKTM_FILE	filename in which the HKTM status are stored

3.4.USER INTERFACE IN INVESTIGATION MODE

The OPS start up and stop procedures in investigation mode are similar to the procedures described in nominal mode (see §3.1).

In investigation, the IASI-L1 algorithms trace the intermediate processing results in a dedicated file. A result file is generated for each granule processing. Delivered validation tools could be used to investigate abnormal results or compare them with reference data.

The investigation data files are stored in a predefined directory (usually the `<WORKING_ROOT>\\tmp\data` directory). The directory path and name are initialised thanks to an environment variable which is defined in the "MP.env" file.

The OPS operator is in charge to manage this directory : data files purge,.....

An other environment variable is used to filter the output : OPS_DEBUG. It can be initialised with:

- a list of algorithms separated by : (ex: **export OPS_DEBUG=38_ICC:25_FAX**) to select only output of specific algorithms,
- a word ALL (ex: **export OPS_DEBUG=ALL**) to produce all investigation traces.

In addition for each granule, user can choose the line which will be used to produce investigation output. This is done thanks to the environment variable OPS_DEBUG_LN. It can be initialised with:

- nothing : in this case every lines are produced,
- a list of lines separated by : (ex : **export OPS_DEBUG_LN=1:2**) to select special lines.

The same fonctionnality exists to select special STEP numbers. This is done thanks to the environment variable OPS_DEBUG_SN. It can be initialised with:

- nothing: in this case every SN are produced,
- a list of STEP numbers separated by : (ex: **export OPS_DEBUG_SN=15:30**) to select special STEP numbers.

3.5.LOG AND TRACE EVENTS

Log and trace events definition are stored in ASCII files named <proces-name>.msg. One ASCII file is implemented for each applicative processus : MP, WOM and SD.

Each line of these ASCII files provides the parameters value to build the event name and text. The following line gives an example of an event description :

1 101 INFO S EVT,TRA | THE OPS FACILITY \$VERSION IS STARTED

In each line, the following data are available :

- message internal identifier,
- message Id,
- message severity [INFO, WARNING, ALARM],
- message type [P=>product, A =>aux data, S =>soft],
- message client [EVT=>event, TRA =>trace, EVT,TRA =>both],
- message text. In the text, the \$string are dynamic parameters of the message text which are substituted according to the context.

In order to clarify the list of possible Events, LogEvents are globally listed in paragraph 3.4.1 and TraceEvents are globally listed in paragraph 3.4.2

3.5.1.LogEvents

In the Table above, the main characteristics of the OPS LogEvents are presented using the format précised in document [DA17].

When textual precisions are required, they are indicated with text enclosed in “”. When dynamics parameters are included, they are preceded by “\$”

More precisions concerning the meaning of each event are given in sections 3.4.3, 3.4.4, 3.4.5 .

<i>Facility</i>	<i>Location</i>	<i>Severity</i>	<i>Type</i>	<i>Service</i>	<i>Message Id</i>	<i>Textual information</i>
Messages from SD process (calculation process)						
I1	GS	A	S	M01	104	THE SD PROCESSUS IS STOPPED ON ERROR
I1	GS	A	S	M01	105	\$PRM1 . \$PRM2 THE INTERNAL MESSAGE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	106	UNEXPECTED EXCEPTION AT : \$PRM1 . \$PRM2 . \$PRM3
I1	GS	A	S	M01	107	\$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	109	ERROR : \$PRM1
I1	GS	W	S	M01	113	TREATMENT NOT FOUND : \$PRM1
I1	GS	W	S	M01	116	TREATMENT ENDED ON ERROR : \$PRM1
I1	GS	W	S	M01	117	TASK NOT FOUND : \$PRM1
I1	GS	W	S	M01	121	TASK ENDED ON ERROR : \$PRM1
I1	GS	A	S	M01	125	FILE READ FAILED : \$PRM1
I1	GS	A	S	M01	126	FILE WRITE FAILED : \$PRM1
I1	GS	A	S	M01	127	FILE OPEN FAILED : \$PRM1
I1	GS	A	S	M01	128	UNDEFINED ENVIRONMENT VARIABLE: \$PRM1
I1	GS	A	S	M01	129	AN EXCEPTION HAS BEEN RAISED IN GES
I1	GS	A	S	M01	201	AUX DATA : LOADING FAILED FOR FILE : \$PRM1

I1	GS	I	S	M01	202	AUX DATA : LOADING OK FOR FILE : \$PRM1
I1	GS	A	S	M01	203	AUX DATA : NO FILE FOUND WITH PATTERN \$PRM1
I1	GS	I	S	M01	204	FILE WRITE OK : \$PRM1
I1	GS	A	S	M01	205	FILE WRITE FAILED : \$PRM1
I1	GS	I	S	M01	206	CONFIGURATION HAS CHANGED (PTSI)
I1	GS	A	S	M01	207	NO AVAILABLE SVM AUXILIARY PRODUCT
I1	GS	A	S	M01	208	VERSION PROBLEM FOR CONTEXT FILE
I1	GS	I	S	M01	209	STABLE PARAMETERS IDENT HAS CHANGED, DATA HAS NOT BEEN RELOADED
I1	GS	I	S	M01	210	SPECTRAL DATABASE IDENT HAS CHANGED, DATA HAS NOT BEEN RELOADED
I1	GS	A	S	M01	301	LOADING FAILED FOR FILE : \$PRM1
I1	GS	I	S	M01	302	STARTING DATE (\$PRM1) WILL BE GREATER THAN t0 (\$PRM2)
I1	GS	I	S	M01	303	AVHRR PRODUCT WILL NOT BE USED : \$PRM1
I1	GS	A	S	M01	304	NO AVAILABLE OBT UTC AUXILIARY PRODUCT
I1	GS	W	S	M01	305	DEFAULT INITIALISATION IS DONE FOR OSV DATA
I1	GS	W	S	M01	306	IN N0 DATA, MODE HAS CHANGED FROM \$PRM1 TO \$PRM2
I1	GS	W	S	M01	307	DUMMY DATA IS DETECTED IN INPUT DATA ISP
I1	GS	W	S	M01	308	DUMMY DATA IS CREATED IN OUTPUT DATA LINE \$PRM1
I1	GS	W	S	M01	401	DEGRADED CASE NUMBER \$PRM1 HAS BEEN RAISED
I1	GS	A	S	M01	402	DEGRADED CASE NUMBER \$PRM1 PERMANENT
I1	GS	I	S	M01	403	CONFIGURATION FILES LOADING OK
I1	GS	A	S	M01	501	RROR ON AVHRR CHANNEL PROCESSING
I1	GS	A	S	M01	502	ERROR AVHRR PIXEL NUMBER IS ZERO

I1	GS	A	S	M01	503	ERROR LOCALISATION PROCESSING NOK IN 41_CCS
I1	GS	A	S	M01	504	ERROR LOCALISATION PROCESSING NOK IN 40_IAC
I1	GS	A	S	M01	505	ERROR LOCALISATION PROCESSING NOK IN 44_GEO
I1	GS	A	S	M01	901	ERROR ON LEAST SQUARE FITTING OF BLACK BODY TEMPERATURE
I1	GS	A	S	M01	902	ERROR ON INITIALIZATION OF THE SPLINE INTERPOLATION OF SPECTRUM 1A
I1	GS	A	S	M01	903	ERROR ON THE SPLINE INTERPOLATION OF SPECTRUM 1A
I1	GS	A	S	M01	904	ERROR ON COMPUTATION OF THE ABSORPTION FUNCTION
I1	GS	A	S	M01	905	ERROR ON ZERO-PADDING THE SPECTRAL WINDOW CENTERED ON \$WAVENUMBER
I1	GS	A	S	M01	906	ALERT S EVT,TRA ERROR ON INTIALIZATION OF THE FFT COMPUTATION
I1	GS	A	S	M01	907	ERROR ON THE DIRECT FFT COMPUTATION
I1	GS	A	S	M01	908	ERROR ON SETTING UP THE INTERFEROGRAM BEFORE INVERSE FFT
I1	GS	A	S	M01	909	ERROR ON INITIALIZATION OF THE INVERSE FFT
I1	GS	A	S	M01	910	ERROR ON COMPUTATION OF THE INVERSE FFT
I1	GS	A	S	M01	911	ERROR ON ARRANGING THE INVERSE FFT
I1	GS	A	S	M01	912	ERROR ON LINEAR INTERPOLATION OF THE SPECTRAL CALIBRATION FUNCTION
I1	GS	A	S	M01	913	ERROR ON LINEAR INTERPOLATION OF THE PLANCK FUNCTION
I1	GS	A	S	M01	914	ERROR ON LINEAR INTERPOLATION OF THE OVER SAMPLED SPECTRAL CALIBRATION FUNCTION
Messages from Main Process (monitoring process)						
I1	GS	I	S	M01	001	THE OPS FACILITY \$VERSION IS STARTED

I1	GS	I	S	M01	002	THE OPS FACILITY PROCESSUS ARE LAUNCHED
I1	GS	I	S	M01	003	THE OPS FACILITY PROCESSUS ARE STOPPED
I1	GS	I	S	M01	004	THE RESOURCES STATUSES ARE SENT
I1	GS	A	S	M01	006	UNEXPECTED EXCEPTION AT : \$FILE . \$LINE
I1	GS	I	S	M01	007	AN ANOMALLY OCCURS DURING THE HKTM STATUSES DELIVERY
I1	GS	I	S	M01	008	THE \$TYPE COMMAND NUMBER \$NUM IS \$STATE
I1	GS	A	S	M01	009	THE RECEIVED COMMAND \$CMD IS INVALID : \$SYMPTOME
I1	GS	A	S	M01	010	AN UNRECOVERABLE ERROR OCCURS IN \$NAME PROCESS WHICH IS STOPPED
Messages from Work Order Manager Process (scheduling process)						
I1	GS	A	S	M01	053	THE WOM PROCESSUS IS STOPPED ON ERROR
I1	GS	A	S	M01	054	\$PRM1 . \$PRM2 THE INTERNAL MESSAGE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	055	UNEXPECTED EXCEPTION AT : \$PRM1 . \$PRM2 . \$PRM3
I1	GS	A	S	M01	056	\$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	058	ERROR : \$PRM1
I1	GS	I	S	M01	060	BEGIN OF STEP : \$PRM1
I1	GS	I	S	M01	061	END OF STEP : \$PRM1
I1	GS	I	S	M01	063	STEP RESUMED : \$PRM1
I1	GS	W	S	M01	064	A BREAK HAS BEEN REQUESTED FOR STEP : \$PRM1
I1	GS	W	S	M01	065	A STOP HAS BEEN REQUESTED FOR STEP : \$PRM1
I1	GS	A	S	M01	066	STEP \$PRM1 TERMINATED ON ERROR
I1	GS	I	P	M01	068	PRODUCED DATA : \$PRM1
I1	GS	I	P	M01	069	PRODUCED AUX DATA : \$PRM1

I1	GS	I	P	M01	070	PRODUCED REPORT : \$PRM1
I1	GS	I	S	M01	071	PCD : \$PRM1
I1	GS	A	S	M01	073	THE WORK ORDER FILE \$PRM1 RAISED AN ERROR : \$PRM2
I1	GS	A	S	M01	074	FILE WRITE FAILED : \$PRM1
I1	GS	A	S	M01	075	FILE OPEN FAILED : \$PRM1
I1	GS	A	S	M01	076	UNDEFINED ENVIRONMENT VARIABLE : \$PRM1
I1	GS	W	S	M01	077	THE WORK ORDER FILE \$PRM1 CONTAINS MISSING FILE(s)

3.5.2.TraceEvents

In the Table above, the main characteristics of the OPS TraceEvents are presented using the format précised in document [DA17].

When textual precisions are required, they are indicated with text enclosed in “”. When dynamics parameters are included, they are preceded by “\$”

More precisions concerning the meaning of each event are given in sections 3.4.3, 3.4.4, 3.4.5 .

Facility	Location	Severity	Type	Service	Message Id	Textual information
Messages from SD process (calculation process)						
I1	GS	I	S	M01	101	“Generic message for low level information”
I1	GS	I	S	M01	102	THE SD PROCESSUS IS LAUNCHED
I1	GS	I	S	M01	103	THE SD PROCESSUS IS STOPPED
I1	GS	A	S	M01	104	THE SD PROCESSUS IS STOPPED ON ERROR
I1	GS	A	S	M01	105	\$PRM1 . \$PRM2 THE INTERNAL MESSAGE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	106	UNEXPECTED EXCEPTION AT : \$PRM1 . \$PRM2 . \$PRM3
I1	GS	A	S	M01	107	\$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED
I1	GS	I	S	M01	108	RECEIVED MESSAGE : \$PRM1
I1	GS	A	S	M01	109	ERROR : \$PRM1
I1	GS	W	S	M01	111	A TREATMENT HAS BEEN REFUSED : \$PRM1
I1	GS	W	S	M01	112	STOP REQUEST OF CURRENT TREATMENT REFUSED
I1	GS	W	S	M01	113	TREATMENT NOT FOUND : \$PRM1
I1	GS	I	S	M01	114	BEGIN OF TREATMENT : \$PRM1
I1	GS	I	S	M01	115	END OF TREATMENT : \$PRM1

I1	GS	W	S	M01	116	TREATMENT ENDED ON ERROR : \$PRM1
I1	GS	W	S	M01	117	TASK NOT FOUND : \$PRM1
I1	GS	I	S	M01	118	BEGIN OF TASK : \$PRM1
I1	GS	I	S	M01	119	END OF TASK : \$PRM1
I1	GS	W	S	M01	121	TASK ENDED ON ERROR : \$PRM1
I1	GS	I	S	M01	122	TASK : \$PRM1 . BEGIN OF ACTION : \$PRM2
I1	GS	I	S	M01	123	ASK : \$PRM1 . END OF ACTION : \$PRM2
I1	GS	W	S	M01	124	NO TASK FOUND IN SCHEDULER
I1	GS	A	S	M01	125	FILE READ FAILED : \$PRM1
I1	GS	A	S	M01	126	FILE WRITE FAILED : \$PRM1
I1	GS	A	S	M01	127	FILE OPEN FAILED : \$PRM1
I1	GS	A	S	M01	128	UNDEFINED ENVIRONMENT VARIABLE: \$PRM1
I1	GS	A	S	M01	129	AN EXCEPTION HAS BEEN RAISED IN GES
I1	GS	A	S	M01	201	AUX DATA : LOADING FAILED FOR FILE : \$PRM1
I1	GS	I	S	M01	202	AUX DATA : LOADING OK FOR FILE : \$PRM1
I1	GS	A	S	M01	203	AUX DATA : NO FILE FOUND WITH PATTERN \$PRM1
I1	GS	I	S	M01	204	FILE WRITE OK : \$PRM1
I1	GS	A	S	M01	205	FILE WRITE FAILED : \$PRM1
I1	GS	I	S	M01	206	CONFIGURATION HAS CHANGED (PTSI)
I1	GS	A	S	M01	207	NO AVAILABLE SVM AUXILIARY PRODUCT
I1	GS	A	S	M01	208	VERSION PROBLEM FOR CONTEXT FILE
I1	GS	I	S	M01	209	STABLE PARAMETERS IDENT HAS CHANGED, DATA HAS NOT BEEN RELOADED
I1	GS	I	S	M01	210	SPECTRAL DATABASE IDENT HAS CHANGED, DATA HAS NOT BEEN RELOADED
I1	GS	A	S	M01	301	LOADING FAILED FOR FILE : \$PRM1

I1	GS	I	S	M01	302	STARTING DATE (\$PRM1) WILL BE GREATER THAN t0 (\$PRM2)
I1	GS	I	S	M01	303	AVHRR PRODUCT WILL NOT BE USED : \$PRM1
I1	GS	A	S	M01	304	NO AVAILABLE OBT UTC AUXILIARY PRODUCT
I1	GS	W	S	M01	305	DEFAULT INITIALISATION IS DONE FOR OSV DATA
I1	GS	W	S	M01	306	IN N0 DATA, MODE HAS CHANGED FROM \$PRM1 TO \$PRM2
I1	GS	W	S	M01	307	DUMMY DATA IS DETECTED IN INPUT DATA ISP
I1	GS	W	S	M01	308	DUMMY DATA IS CREATED IN OUTPUT DATA LINE \$PRM1
I1	GS	W	S	M01	401	DEGRADED CASE NUMBER \$PRM1 HAS BEEN RAISED
I1	GS	A	S	M01	402	DEGRADED CASE NUMBER \$PRM1 PERMANENT
I1	GS	I	S	M01	403	CONFIGURATION FILES LOADING OK
I1	GS	A	S	M01	501	RROR ON AVHRR CHANNEL PROCESSING
I1	GS	A	S	M01	502	ERROR AVHRR PIXEL NUMBER IS ZERO
I1	GS	A	S	M01	503	ERROR LOCALISATION PROCESSING NOK IN 41_CCS
I1	GS	A	S	M01	504	ERROR LOCALISATION PROCESSING NOK IN 40_IAC
I1	GS	A	S	M01	505	ERROR LOCALISATION PROCESSING NOK IN 44_GEO
I1	GS	A	S	M01	901	ERROR ON LEAST SQUARE FITTING OF BLACK BODY TEMPERATURE
I1	GS	A	S	M01	902	ERROR ON INITIALIZATION OF THE SPLINE INTERPOLATION OF SPECTRUM 1A
I1	GS	A	S	M01	903	ERROR ON THE SPLINE INTERPOLATION OF SPECTRUM 1A
I1	GS	A	S	M01	904	ERROR ON COMPUTATION OF THE ABSORPTION FUNCTION
I1	GS	A	S	M01	905	ERROR ON ZERO-PADDING THE SPECTRAL WINDOW CENTERED ON \$WAVENUMBER

I1	GS	A	S	M01	906	ALERT S EVT,TRA ERROR ON INITIALIZATION OF THE FFT COMPUTATION
I1	GS	A	S	M01	907	ERROR ON THE DIRECT FFT COMPUTATION
I1	GS	A	S	M01	908	ERROR ON SETTING UP THE INTERFEROGRAM BEFORE INVERSE FFT
I1	GS	A	S	M01	909	ERROR ON INITIALIZATION OF THE INVERSE FFT
I1	GS	A	S	M01	910	ERROR ON COMPUTATION OF THE INVERSE FFT
I1	GS	A	S	M01	911	ERROR ON ARRANGING THE INVERSE FFT
I1	GS	A	S	M01	912	ERROR ON LINEAR INTERPOLATION OF THE SPECTRAL CALIBRATION FUNCTION
I1	GS	A	S	M01	913	ERROR ON LINEAR INTERPOLATION OF THE PLANCK FUNCTION
I1	GS	A	S	M01	914	ERROR ON LINEAR INTERPOLATION OF THE OVER SAMPLED SPECTRAL CALIBRATION FUNCTION
Messages from Main Process (monitoring process)						
I1	GS	I	S	M01	001	THE OPS FACILITY \$VERSION IS STARTED
I1	GS	I	S	M01	002	THE OPS FACILITY PROCESSUS ARE LAUNCHED
I1	GS	I	S	M01	003	THE OPS FACILITY PROCESSUS ARE STOPPED
I1	GS	I	S	M01	004	THE RESOURCES STATUSES ARE SENT
I1	GS	I	S	M01	005	THE OPS PROCESS \$PROCESS IS \$ACTION
I1	GS	A	S	M01	006	UNEXPECTED EXCEPTION AT : \$FILE . \$LINE
I1	GS	I	S	M01	007	AN ANOMALLY OCCURS DURING THE HKTM STATUSES DELIVERY
I1	GS	I	S	M01	008	THE \$TYPE COMMAND NUMBER \$NUM IS \$STATE
I1	GS	A	S	M01	009	THE RECEIVED COMMAND \$CMD IS INVALID : \$SYMPTOME
I1	GS	A	S	M01	010	AN UNRECOVERABLE ERROR OCCURS IN \$NAME PROCESS WHICH IS STOPPED
I1	GS	I	S	M01	011	RECEIVED MESSAGE : \$MSG

Messages from Work Order Manager Process (scheduling process)

I1	GS	I	S	M01	051	THE WOM PROCESSUS IS LAUNCHED
I1	GS	I	S	M01	052	THE WOM PROCESSUS IS STOPPED
I1	GS	A	S	M01	053	THE WOM PROCESSUS IS STOPPED ON ERROR
I1	GS	A	S	M01	054	\$PRM1 . \$PRM2 THE INTERNAL MESSAGE : \$PRM3 WAS UNEXPECTED
I1	GS	A	S	M01	055	UNEXPECTED EXCEPTION AT : \$PRM1 . \$PRM2 . \$PRM3
I1	GS	A	S	M01	056	\$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED
I1	GS	I	S	M01	057	RECEIVED MESSAGE : \$PRM1
I1	GS	A	S	M01	058	ERROR : \$PRM1
I1	GS	A	S	M01	059	WOM STATE : \$PRM1 . WHEN : \$PRM2
I1	GS	I	S	M01	060	BEGIN OF STEP : \$PRM1
I1	GS	I	S	M01	061	END OF STEP : \$PRM1
I1	GS	I	S	M01	063	STEP RESUMED : \$PRM1
I1	GS	W	S	M01	064	A BREAK HAS BEEN REQUESTED FOR STEP : \$PRM1
I1	GS	W	S	M01	065	A STOP HAS BEEN REQUESTED FOR STEP : \$PRM1
I1	GS	A	S	M01	066	STEP \$PRM1 TERMINATED ON ERROR
I1	GS	I	S	M01	068	PRODUCED DATA : \$PRM1
I1	GS	I	S	M01	069	PRODUCED AUX DATA : \$PRM1
I1	GS	I	S	M01	070	PRODUCED REPORT : \$PRM1
I1	GS	I	S	M01	071	PCD : \$PRM1
I1	GS	I	S	M01	072	THE WORK ORDER FILE IS VALID : \$PRM1
I1	GS	A	S	M01	073	THE WORK ORDER FILE \$PRM1 RAISED AN ERROR : \$PRM2
I1	GS	A	S	M01	074	FILE WRITE FAILED : \$PRM1

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I1	GS	A	S	M01	075	FILE OPEN FAILED : \$PRM1
I1	GS	A	S	M01	076	UNDEFINED ENVIRONMENT VARIABLE : \$PRM1
I1	GS	W	S	M01	077	THE WORK ORDER FILE \$PRM1 CONTAINS MISSING FILE(s)

3.5.3.MP.msg

```
$ # $Header: $
$ # -----*/
$ # Composant : MP
$ # CLASSE : Message
$ #
$ # Commentaire :
$ #   Catalogue de message du Main Process
$ #
$ # -----*/
$ # HISTORIQUE
$ #
$ # VERSION : 16/12/2002 : PBR
$ # FA-ID : IA-2100-FA-4-CN : 12/12/2002 : PBR :
$ # The message Id is compound of 3 numerals.
$ #
$ # VERSION : 28/11/2002 : P. CABANE
$ # FA-ID : OPS-I00-009 : 15/11/2002 : P. CABANE :
$ # Unexpected log: I1GSISNONEM5 => THE OPS PROCESS WOM(SD) IS STARTED
$ #
$ # VERSION : 30/09/2002 : PBR
$ # Creation
$ #
$ # FIN-HISTORIQUE
$ # -----*/

$ # Set number
$set 1

$ # Version du logiciel OPS
1 001 INFO S EVT,TRA | THE OPS FACILITY $VERSION IS STARTED

$ # Le processus OPS a ete lance
2 002 INFO S EVT,TRA | THE OPS FACILITY PROCESSUS ARE LAUNCHED

$ # Le processus OPS a ete stoppe
3 003 INFO S EVT,TRA | THE OPS FACILITY PROCESSUS ARE STOPPED

$ # Le OPS a emis les status de ressources
4 004 INFO S EVT,TRA | THE RESOURCES STATUSES ARE SENT

$ # Status de surveillance des processus OPS
5 005 INFO S TRA | THE OPS PROCESS $PROCESS IS $ACTION

$ # Exception inattendue due a une erreur interne : Le nom du fichier et la ligne
$ # a laquelle l'exception a ete declenchee sont rapportes
6 006 ALERT S EVT,TRA | UNEXPECTED EXCEPTION AT : $FILE . $LINE

$ # Le OPS a emis les status de ressources
7 007 INFO S EVT,TRA | AN ANOMALLY OCCURS DURING THE HKTM STATUSES DELIVERY

$ # Etat d'execution d'une commande
8 008 INFO S EVT,TRA | THE $TYPE COMMAND NUMBER $NUM IS $STATE
```

\$ # Commande Invalide

9 009 ALERT S EVT,TRA | THE RECEIVED COMMAND \$CMD IS INVALID : \$SYMPTOME

\$ # Arret inopin  d'un processus

10 010 ALERT S EVT,TRA | AN UNRECOVERABLE ERROR OCCURS IN \$NAME PROCESS WHICH IS STOPPED

\$ # Type de message reçu

11 011 INFO S TRA | RECEIVED MESSAGE : \$MSG

3.5.4.SD.msg

```
$ # $Header: $
$ # -----*/
$ # Composant : SD
$ # CLASSE : Message
$ #
$ # Commentaire :
$ #   Catalogue de message du Serveur de Donnees
$ #
$ # -----*/
$ # HISTORIQUE
$ #
$ # VERSION : 16/12/2002 : PBR
$ # FA-ID : IA-2100-FA-4-CN : 12/12/2002 : PBR :
$ # The message Id is compound of 3 numerals.
$ #
$ # VERSION : 15/11/2002 : P. CABANE
$ # Creation du fichier
$ #
$ # Origine   Date   Auteur   Commentaire
$ # -----
$ # FA-ID : <N°> : .././.... : ... : ...
$ #
$ # FIN-HISTORIQUE
$ # -----*/

$ # Set pour les packages qui implémentent l'architecture d'accueil des algorithmes
$set 1

$ # MSG_GENERIC
$ # Message generique (utilise essentiellement pour les composants de bas niveau)
1 101 INFO S TRA | $LIBELLE

$ # MSG_SD_START
$ # Le processus SD a ete lance
2 102 INFO S TRA | THE SD PROCESSUS IS LAUNCHED

$ # MSG_SD_STOP_OK
$ # Le processus SD a ete arrete
3 103 INFO S TRA | THE SD PROCESSUS IS STOPPED

$ # MSG_SD_STOP_ON_ERROR
$ # Le processus SD a ete arrete sur erreur
4 104 ALERT S EVT,TRA | THE SD PROCESSUS IS STOPPED ON ERROR

$ # MSG_UNEXPECTED_MSG
$ # Type de message reçu incorrect : Le fichier et la ligne
$ # a laquelle a eu lieu ce rejet sont reportes dans le message
5 105 ALERT S EVT,TRA | $PRM1 . $PRM2 THE INTERNAL MESSAGE : $PRM3 WAS UNEXPECTED

$ # MSG_UNEXPECTED_EXP
$ # Exception inattendue due a une erreur interne : Le nom du fichier et la ligne
$ # a laquelle l'exception a ete declenchée sont reportes
```

6 106 ALERT S EVT,TRA | UNEXPECTED EXCEPTION AT : \$PRM1 . \$PRM2 . \$PRM3

\$ # MSG_UNEXPECTED_TYP

\$ # Type logique de message reçu incorrect : Le fichier et la ligne

\$ # a laquelle a eu lieu ce rejet sont reportées dans le message

7 107 ALERT S EVT,TRA | \$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED

\$ # MSG_SD_MESSAGE

\$ # Type de message reçu

8 108 INFO S TRA | RECEIVED MESSAGE : \$PRM1

\$ # MSG_SD_ERROR

\$ # Erreur

9 109 ALERT S EVT,TRA | ERROR : \$PRM1

\$ # MSG_SD_TMT_START_REFUSED

\$ # Lancement d'un traitement refuse

11 111 WARNING S TRA | A TREATMENT HAS BEEN REFUSED : \$PRM1

\$ # MSG_SD_TMT_STOP_REFUSED

\$ # Arrêt du traitement en cours refuse

12 112 WARNING S TRA | STOP REQUEST OF CURRENT TREATMENT REFUSED

\$ # MSG_SD_TMT_NOT_FOUND

\$ # Traitement non trouvé

13 113 WARNING S EVT,TRA | TREATMENT NOT FOUND : \$PRM1

\$ # MSG_SD_TMT_BEGIN

\$ # Lancement d'un traitement

14 114 INFO S TRA | BEGIN OF TREATMENT : \$PRM1

\$ # MSG_SD_TMT_END

\$ # Fin d'un traitement

15 115 INFO S TRA | END OF TREATMENT : \$PRM1

\$ # MSG_SD_TMT_ENDED_ON_ERROR

\$ # Fin d'un traitement sur erreur

16 116 WARNING S EVT,TRA | TREATMENT ENDED ON ERROR : \$PRM1

\$ # MSG_SD_TAC_NOT_FOUND

\$ # Tache non trouvée

17 117 WARNING S EVT,TRA | TASK NOT FOUND : \$PRM1

\$ # MSG_SD_TAC_BEGIN

\$ # Lancement d'une tâche

18 118 INFO S TRA | BEGIN OF TASK : \$PRM1

\$ # MSG_SD_TAC_END

\$ # Fin d'une tâche

19 119 INFO S TRA | END OF TASK : \$PRM1

\$ # MSG_SD_TAC_ERROR

\$ # Fin d'une tâche sur erreur

20 120 ALERT S EVT,TRA | TASK ENDED ON ERROR : \$PRM1

\$ # MSG_SD_ACT_NOT_FOUND

\$ # Action non trouvée

21 121 WARNING S EVT,TRA | ACTION NOT FOUND : \$PRM1

\$ # MSG_SD_ACT_BEGIN

\$ # Lancement d'une action

22 122 INFO S TRA | TASK : \$PRM1 . BEGIN OF ACTION : \$PRM2

\$ # MSG_SD_ACT_END

\$ # Fin d'une action

23 123 INFO S TRA | TASK : \$PRM1 . END OF ACTION : \$PRM2

\$ # MSG_SD_ECH_TAC_NOT_FOUND

\$ # Aucune tache n'a ete trouvee dans l'echancier

24 124 WARNING S TRA | NO TASK FOUND IN SCHEDULER

\$ # MSG_SD_FILE_WRITE_ERROR

\$ # Erreur d'ecriture d'un fichier

\$ # Verifier la place disponible pour stocker ces demandes

25 125 ALERT P EVT,TRA | FILE WRITE FAILED : \$PRM1

\$ # MSG_SD_FILE_OPEN_ERROR

\$ # Erreur d'ouverture d'un fichier

26 126 ALERT P EVT,TRA | FILE OPEN FAILED : \$PRM1

\$ # MSG_SD_ENV_UNDEFINED

\$ # Variable d'environnement non definie

27 127 ALERT S EVT,TRA | UNDEFINED ENVIRONMENT VARIABLE: \$PRM1

\$ # MSG_SD_ENV_UNDEFINED

\$ # Variable d'environnement non definie

28 128 ALERT S EVT,TRA | UNDEFINED ENVIRONMENT VARIABLE: \$PRM1

\$ # MSG_GES_EXCEPTION_RAISED

\$ # Une exception est remontee dans GES

29 129 ALERT S EVT,TRA | AN EXCEPTION HAS BEEN RAISED IN GES

\$ #=====

\$ # Set pour les classes du package DON qui gèrent les données Statiques (cf SD__Message.h)

\$set 2

\$ # MSG_CONF_LOAD_ERR

\$ # Probleme au chargement d'une donnee statique

1 201 ALERT S EVT,TRA | AUX DATA : LOADING FAILED FOR FILE : \$PRM1

\$ # MSG_CONF_LOAD_OK

\$ # Chargement de donnee statique OK

2 202 INFO S EVT | AUX DATA : LOADING OK FOR FILE : \$PRM1

\$ # MSG_CONF_NO_FILE

\$ # Pas de fichier trouve

3 203 ALERT S EVT,TRA | AUX DATA : NO FILE FOUND WITH PATTERN \$PRM1

\$ # MSG_CONF_WRITE_OK

\$ # Pas de fichier trouve

4 204 INFO S EVT | FILE WRITE OK : \$PRM1

\$ # MSG_CONF_WRITE_KO

\$ # Pas de fichier trouve

5 205 ALERT S EVT,TRA | FILE WRITE FAILED : \$PRM1

\$ # MSG_CONF_PTSI_DIFF

\$ # Le numero de ptsi est different du precedent

6 206 INFO S EVT,TRA | PTSI HAS CHANGED

\$ # MSG_CONF_SVM_UNAVAILABLE

\$ # Produit SVM non disponible

7 207 ALERT S EVT,TRA | NO AVAILABLE SVM AUXILIARY PRODUCT

\$ # MSG_CONF_VERSION_ERROR

\$ # Probleme de version

8 208 ALERT S EVT,TRA | VERSION PROBLEM FOR CONTEXT FILE

\$ # MSG_CONF_IDCS_DIFF

\$ # Le numero de IdCS est different du precedent

9 209 INFO S EVT,TRA | STABLE PARAMETERS IDENT HAS CHANGED

\$ # MSG_CONF_IDBS_DIFF

\$ # Le numero de IdBS est different du precedent

10 210 INFO S EVT,TRA | SPECTRAL DATABASE IDENT HAS CHANGED

\$ #=====

\$ # Set pour les classes du package DON qui gèrent les données d'entree (cf SD__Message.h)

\$set 3

\$ # MSG_DATA_LOAD_AVHRR_ERR

\$ # Probleme de lecture du fichier AVHRR

1 301 ALERT S EVT,TRA | LOADING FAILED FOR FILE : \$PRM1

\$ # MSG_DATA_START_DATE_INFO

\$ # Date de debut posterieure au t0

2 302 INFO S TRA,EVT | STARTING DATE (\$PRM1) WILL BE GREATER THAN t0 (\$PRM2)

\$ # MSG_DATA_AVHRR_NOT_USED

\$ # Produit AVHRR non utilise

3 303 INFO S TRA,EVT | AVHRR PRODUCT WILL NOT BE USED : \$PRM1

\$ # MSG_DATA_OBTUTC_UNAVAILABLE

\$ # Produit OBTUTC non disponible

4 304 ALERT S TRA,EVT | NO AVAILABLE OBT UTC AUXILIARY PRODUCT

\$ # MSG_DATA_OSV_DEFAULT

\$ # Produit OSV non disponible: initialisation OSV par default

5 305 WARNING S TRA,EVT | DEFAULT INITIALISATION IS DONE FOR OSV DATA

\$ # MSG_DATA_MODE_HAS_CHANGED

\$ # Le mode de prise de vue a change dans le granule

6 306 WARNING S EVT,TRA | IN NO DATA, MODE HAS CHANGED FROM \$PRM1 TO \$PRM2

\$ #=====

\$ # Set pour les classes du package DON qui gèrent les produits generés (cf SD__Message.h)

\$set 4

\$ # MSG_PROD_CAS_DEG

\$ # Cas degrade leve

1 401 WARNING S EVT | DEGRADED CASE NUMBER \$PRM1 HAS BEEN RAISED


```
$ # MSG_PROD_CAS_PERMANENT
$ # Cas degrade permanent
2 402 ALERT S EVT,TRA | DEGRADED CASE NUMBER $PRM1 PERMANENT

$ # MSG_PROD_CONF_CHARGE
$ # La conf a ete chargee correctement
3 403 INFO S EVT,TRA | CONFIGURATION FILES LOADING OK

$ #=====
$ # Set pour les algorithmes de la classe : SD_ALG_AVHRR
$set 5

$ # MSG_ALG_AVHRR_41_CCS_ALRT_TRAIT_CANAU
$ # Erreur en traitant les canaux AVHRR dans SD_ALG_TraitCanauxAvhrr
1 501 ALERT S EVT,TRA | ERROR ON AVHRR CHANNEL PROCESSING

$ # MSG_ALG_AVHRR_41_CCS_ALRT_NB_PIXAV_NUL
$ # NbPixImg = 0 en sortie de SD_ALG_TraitCanauxAvhrr
2 502 ALERT S EVT,TRA | ERROR AVHRR PIXEL NUMBER IS ZERO
$ # MSG_ALG_AVHRR_41_CCS_ALRT

$ # MSG_ALG_AVHRR_41_CCS_ALRT
$ # erreur metop en sortie de 41_CCS
3 503 ALERT S EVT,TRA | ERROR LOCALISATION PROCESSING NOK IN 41_CCS

$ # MSG_ALG_AVHRR_40_IAC_ALRT
$ # erreur metop en sortie de 40_IAC
4 504 ALERT S EVT,TRA | ERROR LOCALISATION PROCESSING NOK IN 40_IAC

$ # MSG_ALG_AVHRR_44_GEO_ALRT
$ # erreur metop en sortie de 44_GEO
5 505 ALERT S EVT,TRA | ERROR LOCALISATION PROCESSING NOK IN 44_GEO

$ #=====
$ # Set pour les algorithmes de la classe : SD_ALG_ISRFEM
$set 6

$ #=====
$ # Set pour les algorithmes de la classe : SD_ALG_Image
$set 7

$ #=====
$ # Set pour les algorithmes de la classe : SD_ALG_Monitoring
$set 8

$ #=====
$ # Set pour les algorithmes de la classe : SD_ALG_Spectre
$set 9

$ # MSG_ALG_SPECTRE_30_FTB_MOINDRES_CARRES
$ # Erreur en resolvant un systeme au sens des moindres carres
1 901 ALERT S EVT,TRA | ERROR ON LEAST SQUARE FITTING OF BLACK BODY TEMPERATURE
```

\$ # MSG_ALG_SPECTRE_35_S1B_ALRT_INIT_SPLINE

\$ # Erreur d'initialisation de l'interpolation par spline cubique

2 902 ALERT S EVT,TRA | ERROR ON INITIALIZATION OF THE SPLINE INTERPOLATION OF SPECTRUM 1A

\$ # MSG_ALG_SPECTRE_35_S1B_ALRT_INTERP_SPLINE

\$ # Erreur d'initialisation de l'interpolation par spline cubique

3 903 ALERT S EVT,TRA | ERROR ON THE SPLINE INTERPOLATION OF SPECTRUM 1A

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_FCT_AMORTISST

\$ # Erreur du calcul de la fonction d'amortissement

4 904 ALERT S EVT,TRA | ERROR ON COMPUTATION OF THE ABSORPTION FUNCTION

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_ZERO_PADDING

\$ # Echec du zero-padding du spectre 1B

5 905 ALERT S EVT,TRA | ERROR ON ZERO-PADDING THE SPECTRAL WINDOW CENTERED ON
\$WAVENUMBER

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_INIT_FFT_DIRECTE

\$ # Erreur d'initialisation du calcul de FFT directe

6 906 ALERT S EVT,TRA | ERROR ON INITIALIZATION OF THE FFT COMPUTATION

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_CALCUL_FFT_DIRECTE

\$ # Echec du calcul de la FFT directe

7 907 ALERT S EVT,TRA | ERROR ON THE DIRECT FFT COMPUTATION

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_PREPARE_INTERFEROGRAM

\$ # Echec du rearrangement de l'interferogramme avant FFT inverse

8 908 ALERT S EVT,TRA | ERROR ON SETTING UP THE INTERFEROGRAM BEFORE INVERSE FFT

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_INIT_FFT_INVERSE

\$ # Echec de l'initialisation de la FFT inverse de la FFT du spectre 1B apodisee

9 909 ALERT S EVT,TRA | ERROR ON INITIALIZATION OF THE INVERSE FFT

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_CALCUL_FFT_INVERSE

\$ # Echec de la FFT inverse de la FFT du spectre 1B apodisee

10 910 ALERT S EVT,TRA | ERROR ON COMPUTATION OF THE INVERSE FFT

\$ # MSG_ALG_SPECTRE_37_S1C_ALRT_ARRANGT_SPECTRE_1C

\$ # Echec du rearrangement du spectre 1B apodise

11 911 ALERT S EVT,TRA | ERROR ON ARRANGING THE INVERSE FFT

\$ # MSG_ALG_SPECTRE_XX_INITPROD_ALRT_INTERP_FCS

\$ # Echec de l'interpolation lineaire 1D de FcsTab sur Wn0

12 912 ALERT S EVT,TRA | ERROR ON LINEAR INTERPOLATION OF THE SPECTRAL CALIBRATION FUNCTION

\$ # MSG_ALG_SPECTRE_XX_INITPROD_ALRT_INTERP_PLANCKBBT

\$ # Echec de l'interpolation lineaire 1D de la PlanckBBT

13 913 ALERT S EVT,TRA | ERROR ON LINEAR INTERPOLATION OF THE PLANCK FUNCTION

\$ # MSG_ALG_SPECTRE_XX_INITPROD_ALRT_INTERP_FCS_SURECH

\$ # Echec de l'interpolation lineaire 1D de la fonction de calibration spectrale sur la base des nb d'ondes surechantillonnee

14 914 ALERT S EVT,TRA | ERROR ON LINEAR INTERPOLATION OF THE OVER SAMPLED SPECTRAL
CALIBRATION FUNCTION

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3.5.5.WOM.msg

```
$ # $Header: $
$ # -----*/
$ # Composant : WOM
$ # CLASSE : Message
$ #
$ # Commentaire :
$ #   Catalogue de message du Process WOM
$ #
$ # -----*/
$ # HISTORIQUE
$ #
$ # VERSION : 16/12/2002 : PBR
$ # FA-ID : IA-2100-FA-4-CN : 12/12/2002 : PBR :
$ # The message Id is compound of 3 numerals.
$ #
$ # VERSION : 15/11/2002 : P. CABANE
$ # Creation du fichier
$ #
$ # Origine   Date   Auteur   Commentaire
$ # -----
$ # FA-ID : <N°> : .././.... : ... : ...
$ #
$ # FIN-HISTORIQUE
$ # -----*/

$ # Set number
$set 1

$ # MSG_WOM_START
$ # Le processus WOM a ete lance
1 051 INFO S TRA | THE WOM PROCESSUS IS LAUNCHED

$ # MSG_WOM_STOP_OK
$ # Le processus WOM a ete arrete
2 052 INFO S TRA | THE WOM PROCESSUS IS STOPPED

$ # MSG_WOM_STOP_ON_ERROR
$ # Le processus WOM a ete arrete sur erreur
3 053 ALERT S EVT,TRA | THE WOM PROCESSUS IS STOPPED ON ERROR

$ # MSG_UNEXPECTED_MSG
$ # Type de message reçu incorrect : Le fichier et la ligne
$ # a laquelle a eu lieu ce rejet sont reportes dans le message
4 054 ALERT S EVT,TRA | $PRM1 . $PRM2 THE INTERNAL MESSAGE : $PRM3 WAS UNEXPECTED

$ # MSG_UNEXPECTED_EXP
$ # Exception inattendue due a une erreur interne : Le nom du fichier et la ligne
$ # a laquelle l'exception a ete declenchee sont rapportes
5 055 ALERT S EVT,TRA | UNEXPECTED EXCEPTION AT : $PRM1 . $PRM2 . $PRM3

$ # MSG_UNEXPECTED_TYP
$ # Type logique de message reçu incorrect : Le fichier et la ligne
```

\$ # a laquelle a eu lieu ce rejet sont reportes dans le message
6 056 ALERT S EVT,TRA | \$PRM1 . \$PRM2 THE LOGICAL MESSAGE TYPE : \$PRM3 WAS UNEXPECTED

\$ # MSG_WOM_MESSAGE
\$ # Type de message reçu
7 057 INFO S TRA | RECEIVED MESSAGE : \$PRM1

\$ # MSG_WOM_ERROR
\$ # Erreur
8 058 ALERT S EVT,TRA | ERROR : \$PRM1

\$ # MSG_WOM_STATE
\$ # Etat du composant
9 059 INFO S TRA | WOM STATE : \$PRM1 . WHEN : \$PRM2

\$ # MSG_WOM_STEP_BEGIN
\$ # Lancement d'un STEP
10 060 INFO S EVT,TRA | BEGIN OF STEP : \$PRM1

\$ # MSG_WOM_STEP_END
\$ # Fin d'un STEP
11 061 INFO S EVT,TRA | END OF STEP : \$PRM1

\$ # MSG_WOM_STEP_SUSPEND
\$ # Suspension d'un STEP
12 062 INFO S EVT,TRA | STEP SUSPENDED : \$PRM1

\$ # MSG_WOM_STEP_RESUME
\$ # Reprise d'un STEP
13 063 INFO S EVT,TRA | STEP RESUMED : \$PRM1

\$ # MSG_WOM_STEP_BREAK
\$ # Arret d'un STEP
14 064 WARNING S EVT,TRA | A BREAK HAS BEEN REQUESTED FOR STEP : \$PRM1

\$ # MSG_WOM_STEP_STOP
\$ # Arret d'un STEP
15 065 WARNING S EVT,TRA | A STOP HAS BEEN REQUESTED FOR STEP : \$PRM1

\$ # MSG_WOM_STEP_ERROR
\$ # STEP termine en erreur
16 066 ALERT S EVT,TRA | STEP \$PRM1 TERMINATED ON ERROR

\$ # MSG_WOM_STEP_DATA_PRODUCED
\$ # Produits generes
18 068 INFO P EVT,TRA | PRODUCED DATA : \$PRM1

\$ # MSG_WOM_STEP_AUX_PRODUCED
\$ # Fichiers auxiliaires generes
19 069 INFO P EVT,TRA | PRODUCED AUX DATA : \$PRM1

\$ # MSG_WOM_STEP_REPORT_PRODUCED
\$ # Produits generes
20 070 INFO P EVT,TRA | PRODUCED REPORT : \$PRM1

\$ # MSG_WOM_STEP_DATA_PCD
\$ # Qualite des donnees produites

21 071 INFO S EVT,TRA | PCD : \$PRM1

\$ # MSG_WOM_WO_VALID

\$ # Le fichier WorkOrder est bien formé et valide

22 072 INFO P TRA | THE WORK ORDER FILE IS VALID : \$PRM1

\$ # MSG_WOM_WO_INVALID

\$ # Le fichier WorkOrder comporte une erreur de syntaxe

23 073 ALERT P EVT,TRA | THE WORK ORDER FILE \$PRM1 RAISED AN ERROR : \$PRM2

\$ # MSG_WOM_FILE_WRITE_ERROR

\$ # Erreur d'écriture d'un fichier

\$ # Verifier la place disponible pour stocker ces demandes

24 074 ALERT P EVT,TRA | FILE WRITE FAILED : \$PRM1

\$ # MSG_WOM_FILE_OPEN_ERROR

\$ # Erreur d'ouverture d'un fichier

25 075 ALERT P EVT,TRA | FILE OPEN FAILED : \$PRM1

\$ # MSG_WOM_ENV_UNDEFINED

\$ # Variable d'environnement non définie

26 076 ALERT S EVT,TRA | UNDEFINED ENVIRONMENT VARIABLE : \$PRM1