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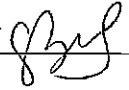
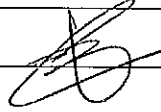
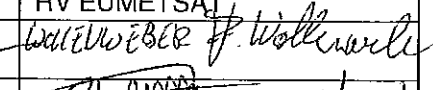
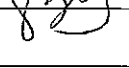

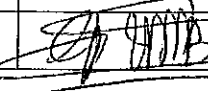
VALIDATION DE L'OPS V6-0 (AIX ET LINUX)

Résumé – Conclusions principales :

Test OK

Identified Actions for Thales

- See how we can get relative differences > 1 on GCs Rad Anal Std ~~Wollenweber~~

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GLOSSAIRE ET LISTE DES PARAMETRES AC & AD

AC	A Confirmer
AD	A Définir
API	Applicative Program Interface
AVHRR	Advanced Very High Resolution Radiometer : radiomètre avancé à très haute résolution (visible et infrarouge) sur les satellites polaires
BT	Bilan Technique
Canal IASI	Un canal IASI est tout simplement un échantillon de spectre IASI.
CCD	Corner Cube Direction : direction du coin de cube (miroir mobile de l'interféromètre)
CCTP	Cahier des Clauses Techniques Particulières
CD	Conception Détaillée
CDR-CGS	Revue Critical Design Review du CGS
CET	Centre d'Expertise Technique : basé au CNES Toulouse, il constitue la boucle longue du segment-sol et génère la configuration de l'OPS et reçoit le produit données technologiques
CFI	Customer Furnished Item
CGS	Core Ground Segment : segment-sol développé par ALCATEL sous contrat d'EUMETSAT, et dans lequel l'OPS ira s'insérer
DA	Document Applicable
DDC	Dossier Descriptif de Configuration
DDR (ou PKCD)	Detailed Design Review
DIF	Dissemination Facility : sous-système du CGS-EPS
DPC	Data Processing Chain : chaîne de traitement bord des données (une par pixel-sondeur)
DPS	Data Processing Software : logiciel bord de traitement des données.
DR	Document de Référence
Dump	Un dump est un ensemble de données correspondant à un intervalle entre 2 téléchargements. En moyenne il s'agit d'une orbite. Les produits METOP sont structurés autour de cette notion de dump : un produit=un dump
EPS	EUMETSAT Polar System : Système 'Polaire d'EUMETSAT
EUMETSAT	EUMETSAT est une organisation intergouvernementale regroupant 17 nations européenne, dont l'objectif est l'établissement, le maintien et l'exploitation des systèmes européens de satellites météorologiques opérationnels
FEPS	Fiche d'Etude des Problème Soulevés
FLC	Fiche de Lecture Croisée
FLTS	File Transfert Service : services du DIF
FOV sondeur	Field Of View : champ de vue
GDD	Gestionnaire de Données et de Diffusion : sous-système du CNES
GSP	Ground Segment Planification : sous-système du Centre de Mission ENVISAT
HRPT	High Resolution Picture Transmission : centres de traitements locaux qui exploitent les données METOP qui descendent en bande L.
IASI	Infrared Atmospheric Sounding Interferometer : interféromètre de sondage atmosphérique dans l'infrarouge.
IHM	Interface Homme Machine
IPSF	Instrument Point Spread Function : forme du pixel IASI
IQ	Ingénieur Qualité
ISRFEM	Instrument Spectral Response Function Estimation Model
JDBS	JdB server

1. GENERALITES

1.1. DOCUMENTS DE REFERENCE

[DR-1]

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V. LONJOU, 20/04/2011, Édité. 1, Rév. 0
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1.2. DOCUMENTS APPLICABLES

TITRE		REFERENCE Edition/Révision
Erreur ! Source du renvoi introu vable.	PLAN D'ESSAI DE VALIDATION SYSTEME / PLAN D'ESSAI, D'INTEGRATION, DE QUALIFICATION	IA-PE-2100-9559-THA Edit 3 Rév 9
	PLAN D'ESSAIS DU LOGICIEL OPS IASI	

2. INTRODUCTION

Ce document présente l'ensemble des résultats de la validation de l'OPS.

3. VALIDATION DE L'OPS V6-0 POUR LES DM ET FA EN COURS

S O

4. VALIDATION DE L'OPS SOUS AIX 6-1 (32 BITS)

Version de référence pour la validation : OPS V5-1 (pge-ibm)

4.1. ALGO OPS_N_16_J9

Test en mode granule pour la validation scientifique (spectrometry post-calibration and spectral calibration for a long term processing with external calibration data), données dégradées.

4.1.1. Produit ENG

OK

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.1.2. Produit N1C

OK

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.2. ALGO OPS_N_08_J0

Cas nominal en mode granule pour la validation scientifique (Données dégradées).

Test utilisé comme référence pour la performance de l'OPS (EUMETSAT).

4.2.1. Produit ENG

OK

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.2.2. Produit N1C

OK

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.3. ORBITE O14571

Contexte à froid, "normal op => external cal => normal op"

4.3.1. Produit ENG

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.3.2. Produit N1C

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.4. ORBITE O14572

Contexte à chaud, "normal op => external cal => normal op"

4.4.1. Produit ENG

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

4.4.2. Produit N1C

Pas de régression dans le produit => OK

Les deux différences constatées sont la date de traitement et le nom du produit, ces différences sont attendues.

5. VALIDATION DE L'OPS SOUS LINUX RED HAT 5-5 (32 BITS)

Version de référence pour la validation : OPS V5-1 (pge-ibm)

5.1. ALGO OPS N 16 J9

Test en mode granule pour la validation scientifique (spectrometry post-calibration and spectral calibration for a long term processing with external calibration data), données dégradées.

5.1.1. Produit ENG

5.1.1.1. Information(s) générale(s)

ENG_DATEDB nb_total_diff_value=6 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.1

5.1.1.2. Variables relatives à CCS

ENG_CGCCSRADANALNBCLASS nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.13

ENG_GCCSNONCLASSIFRATE nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=3.273809500000000e-04 max_of_max_diff_value=3.323413000000000e-04
moy_of_max_diff_value=3.298611250000000e-04

Voir § 6.11

ENG_GCCSOFFSETSONDAVHRR nb_total_diff_value=5112 type_max_diff_value=absolue
min_of_max_diff_value=1.284402000000000e-05 max_of_max_diff_value=2.233748500000000e-04
moy_of_max_diff_value=1.349931181250000e-04

Voir § 6.10

ENG_GCCSVARIANCERATE nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.978407000000000e-02 max_of_max_diff_value=1.984755000000000e-02
moy_of_max_diff_value=1.981581000000000e-02

Voir § 6.12

5.1.1.3. Variables relatives à EPS

ENG_GEPSDATIASI nb_total_diff_value=19 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.2

5.1.1.4. Variables relatives à FAX

ENG_GFAXAXERES nb_total_diff_value=44 type_max_diff_value=absolue
min_of_max_diff_value=3.574227300000000e-19 max_of_max_diff_value=3.574227300000000e-19
moy_of_max_diff_value=3.574227300000000e-19

Voir § 6.3

5.1.1.5. Variables relatives à GEO

ENG_CGEOSUBSATELLITEPOSITION nb_total_diff_value=15 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-05
moy_of_max_diff_value=3.071428571428571e-06

Voir § 6.4

5.1.1.6. Variables relatives à IAC

ENG_GIACCORRELQUAL nb_total_diff_value=277 type_max_diff_value=absolue
min_of_max_diff_value=2.540000000000000e-06 max_of_max_diff_value=3.738000000000000e-05
moy_of_max_diff_value=1.099937500000000e-05

Voir § 6.8

ENG_GIACOFFSETIISAVHRR nb_total_diff_value=410 type_max_diff_value=absolue
min_of_max_diff_value=3.231000000000000e-05 max_of_max_diff_value=1.751970000000000e-03
moy_of_max_diff_value=9.544711290322578e-04

Voir § 6.7

ENG_GIACPOSMAXQUAL nb_total_diff_value=277 type_max_diff_value=absolue
min_of_max_diff_value=1.577000000000000e-06 max_of_max_diff_value=1.574890000000000e-04
moy_of_max_diff_value=6.337240624999999e-05

Voir § 6.9

5.1.1.7. Variables relatives à PCH

ENG_GPCHAVHRRPSEUDOCHN nb_total_diff_value=4127 type_max_diff_value=relative
min_of_max_diff_value=1.014352800000000e-05 max_of_max_diff_value=2.066909100000000e-04
moy_of_max_diff_value=5.079653953333335e-05

Voir § 6.5

5.1.1.8. Variables relatives à QIS

ENG_GQISQUALINDEXLOC nb_total_diff_value=820 type_max_diff_value=absolue
min_of_max_diff_value=2.214000000000000e-07 max_of_max_diff_value=1.574890000000000e-04
moy_of_max_diff_value=6.399707741935485e-05

Voir § 6.6

5.1.1.9. VIADR

VIADRENG_DATEDEB nb_total_diff_value=1 type_max_diff_value=absolue

min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.39

5.1.2. Produit N1C

5.1.2.1. Information(s) générale(s)

N1C_DATEDEB nb_total_diff_value=6 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.34

5.1.2.2. Variables relatives à CCS

N1C_GCCSIMAGECLASSIFIED nb_total_diff_value=2138 type_max_diff_value=absolue
 min_of_max_diff_value=6.000000000000000e+00 max_of_max_diff_value=6.000000000000000e+00
 moy_of_max_diff_value=6.000000000000000e+00

Voir § 6.23

N1C_GCCSIMAGECLASSIFIEDFIRSTLIN nb_total_diff_value=108 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.21

N1C_GCCSIMAGECLASSIFIEDNBCOL nb_total_diff_value=2 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.22

N1C_GCCSRADANALMEAN nb_total_diff_value=30961 type_max_diff_value=absolue
 min_of_max_diff_value=7.792000000000000e-04 max_of_max_diff_value=2.095000100000000e+01
 moy_of_max_diff_value=1.050025550000000e+00

Voir § 6.18

N1C_GCCSRADANALNBCLASS nb_total_diff_value=1
 type_max_diff_value=absolue min_of_max_diff_value=1.000000000000000e+00
 max_of_max_diff_value=1.000000000000000e+00 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.14

N1C_GCCSRADANALSTD nb_total_diff_value=34585 type_max_diff_value=relative
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=7.663368700000000e+00
 moy_of_max_diff_value=1.208230271875000e+00

Voir § 6.19

N1C_GCCSRADANALTYPE nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.20

N1C_GCCSRADANALWGT nb_total_diff_value=9656 type_max_diff_value=absolue
 min_of_max_diff_value=6.774000000000000e-05 max_of_max_diff_value=4.652898700000000e-01
 moy_of_max_diff_value=2.632592928125000e-02

existing anomaly VS-1 Asplare
Feb

CNES

IASI

IA-JE-2100-9888-THA

Edit. : 01

Date : 02/05/2011

Rév. : 00

Date : 02/05/2011

Référence : -

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Voir § 6.15

N1C_GCCSRADANALY nb_total_diff_value=9309 type_max_diff_value=absolue
min_of_max_diff_value=1.610000000000000e-04 max_of_max_diff_value=9.321620000000000e-01
moy_of_max_diff_value=5.166728125000000e-02

~~2.915~~ degree

OK

Voir § 6.16

N1C_GCCSRADANALZ nb_total_diff_value=9621 type_max_diff_value=absolue
min_of_max_diff_value=1.790000000000000e-04 max_of_max_diff_value=7.642380000000000e-01
moy_of_max_diff_value=4.563637499999999e-02

OK

Voir § 6.17

5.1.2.3. Variables relatives à GEO

OK

N1C_GGEOIISANGLESMETOP nb_total_diff_value=27778 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-03 max_of_max_diff_value=6.086800000000000e-02
moy_of_max_diff_value=1.486840625000000e-02

Voir § 6.30

N1C_GGEOIISANGLESSUN nb_total_diff_value=19918 type_max_diff_value=absolue
min_of_max_diff_value=4.000000000000000e-06 max_of_max_diff_value=1.150000000000000e-04
moy_of_max_diff_value=6.643750000000001e-05

1000 10^{-3} degree \rightarrow OK on CNES tests

Voir § 6.32

OK

N1C_GGEOIISLOC nb_total_diff_value=14825 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=6.999999999999999e-05
moy_of_max_diff_value=4.521875000000002e-05

Voir § 6.33

OK

N1C_GGEOSONDANGLESMETOP nb_total_diff_value=4710 type_max_diff_value=absolue
min_of_max_diff_value=2.300000000000000e-04 max_of_max_diff_value=9.700000000000001e-04
moy_of_max_diff_value=5.402500000000001e-04

Voir § 6.29

N1C_GGEOSONDANGLESSUN nb_total_diff_value=3712 type_max_diff_value=absolue
min_of_max_diff_value=3.000000000000000e-06 max_of_max_diff_value=1.110000000000000e-04
moy_of_max_diff_value=6.300000000000001e-05

10^{-3} degree \rightarrow OK on CNES tests

6.31

OK

N1C_GGEOSONDLOC nb_total_diff_value=2687 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=6.999999999999999e-05
moy_of_max_diff_value=4.371875000000002e-05

6.28

voir [DR-1]

5.1.2.4. Variables relatives à QIS

N1C_GQISQUALINDEXLOC nb_total_diff_value=29 type_max_diff_value=absolue
min_of_max_diff_value=2.214000000000000e-07 max_of_max_diff_value=2.269600000000000e-05
moy_of_max_diff_value=6.856048275862069e-06

OK

5.1.2.5. Variables relatives à EPS

N1C_GEPSDATIASI nb_total_diff_value=19 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e+00 max_of_max_diff_value=1.0000000000000000e+00
moy_of_max_diff_value=1.0000000000000000e+00

N1C_GEPSLOCIAVHRR_IASI nb_total_diff_value=2730 type_max_diff_value=absolue
min_of_max_diff_value=3.0000000000000000e-04 max_of_max_diff_value=2.0000000000000000e+00
moy_of_max_diff_value=3.7658531249999999e-01

Voir § 6.35

N1C_GEPSLOCIAVHRR_ILS nb_total_diff_value=14517 type_max_diff_value=absolue
min_of_max_diff_value=3.0000000000000000e-04 max_of_max_diff_value=2.0000000000000000e+00
moy_of_max_diff_value=7.1948749999999998e-01

Voir § 6.36

5.1.2.6. Variables relatives à ISF

N1C_GISFPDS1 nb_total_diff_value=16 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e-06 max_of_max_diff_value=1.0000000000000000e-06
moy_of_max_diff_value=1.0000000000000000e-06

Voir § 6.24

N1C_GISFPDS2 nb_total_diff_value=16 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e-06 max_of_max_diff_value=1.0000000000000000e-06
moy_of_max_diff_value=1.0000000000000000e-06

Voir § 6.25

N1C_GISFPDS3 nb_total_diff_value=22 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e-06 max_of_max_diff_value=1.0000000000000000e-06
moy_of_max_diff_value=1.0000000000000000e-06

Voir § 6.26

N1C_GISFPDS4 nb_total_diff_value=21 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e-06 max_of_max_diff_value=1.0000000000000000e-06
moy_of_max_diff_value=1.0000000000000000e-06

Voir § 6.27

5.2. ALGO_OPS_N_08_J0

Cas nominal en mode granule pour la validation scientifique (Données dégradées).

Test utilisé comme référence pour la performance de l'OPS (EUMETSAT).

5.2.1. Produit ENG

5.2.1.1. Variables relatives à CCS

OK (ENG_CGCCSRADANALNBCLASS nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK (ENG_GCCSOFFSETSONDAVHRR nb_total_diff_value=1736 type_max_diff_value=absolue
min_of_max_diff_value=7.332475000000000e-05 max_of_max_diff_value=7.195977000000000e-04
moy_of_max_diff_value=2.613913464999999e-04 LN 10a.

OK (ENG_GCCSVARIANCERATE nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.500630000000000e-03 max_of_max_diff_value=1.500630000000000e-03
moy_of_max_diff_value=1.500630000000000e-03

5.2.1.2. Variables relatives à FAX

OK (ENG_GFAXAXERES nb_total_diff_value=6 type_max_diff_value=absolue
min_of_max_diff_value=3.574227300000000e-19 max_of_max_diff_value=3.574227300000000e-19
moy_of_max_diff_value=3.574227300000000e-19

5.2.1.3. Variables relatives à FTB

OK (ENG_GFTBBBTRES nb_total_diff_value=12 type_max_diff_value=absolue
min_of_max_diff_value=1.382223000000000e-14 max_of_max_diff_value=1.873488200000000e-13
moy_of_max_diff_value=8.466256074999998e-14

Voir § 6.40

5.2.1.4. Variables relatives à GEO

OK (ENG_CGEOSUBSATELLITEPOSITION nb_total_diff_value=14 type_max_diff_value=absolue
min_of_max_diff_value=5.000000000000000e-07 max_of_max_diff_value=1.000000000000000e-05
moy_of_max_diff_value=2.554545454545455e-06

5.2.1.5. Variables relatives à IAC

OK (ENG_GIACCORRELQUAL nb_total_diff_value=152 type_max_diff_value=absolue
min_of_max_diff_value=3.190000000000000e-06 max_of_max_diff_value=8.061000000000000e-05
moy_of_max_diff_value=1.808583333333333e-05

ENG_GIACOFFSETIISAVHRR nb_total_diff_value=298 type_max_diff_value=absolue
min_of_max_diff_value=6.132500000000000e-04 max_of_max_diff_value=7.852820199999999e-03
moy_of_max_diff_value=2.491669083333333e-03

ENG_GIACPOS MAXQUAL nb_total_diff_value=154 type_max_diff_value=absolue
min_of_max_diff_value=2.652500000000000e-05 max_of_max_diff_value=4.323190000000000e-04
moy_of_max_diff_value=1.378095833333333e-04

5.2.1.6. Variables relatives à EPS

ENG_GEPSDATIASI nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

5.2.1.7. Variables relatives à QIS

ENG_GQISQUALINDEXLOC nb_total_diff_value=596 type_max_diff_value=absolue
 min_of_max_diff_value=2.652500000000000e-05 max_of_max_diff_value=4.323190000000000e-04
 moy_of_max_diff_value=1.352966666666667e-04

5.2.1.8. Variables relatives à SSD

ENG_GSSDWNSHIFT nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
 moy_of_max_diff_value=1.000000000000000e-06

Voir § 6.41

5.2.1.9. Variables relatives à PCH

ENG_GPCHAVHRRPSEUDOCHN nb_total_diff_value=1471 type_max_diff_value=relative
 min_of_max_diff_value=7.043048400000000e-06 max_of_max_diff_value=1.817575500000000e-04
 moy_of_max_diff_value=7.788979445000001e-05

5.2.2. Produit N1C

N1C_GCCSRADANALY nb_total_diff_value=3281 type_max_diff_value=absolue
 min_of_max_diff_value=2.200000000000000e-04 max_of_max_diff_value=1.030931000000000e+00
 moy_of_max_diff_value=8.748358333333334e-02

N1C_GCCSRADANALZ nb_total_diff_value=3365 type_max_diff_value=absolue
 min_of_max_diff_value=3.040000000000000e-04 max_of_max_diff_value=4.161570000000000e-01
 moy_of_max_diff_value=3.607891666666667e-02

5.2.2.1. Variables relatives à CCS 0,04%

N1C_GCCSIMAGECLASSIFIED nb_total_diff_value=950 type_max_diff_value=absolue
 min_of_max_diff_value=4.000000000000000e+00 max_of_max_diff_value=4.000000000000000e+00
 moy_of_max_diff_value=4.000000000000000e+00

N1C_GCCSIMAGECLASSIFIEDFIRSTCOL nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.42

N1C_GCCSIMAGECLASSIFIEDNBCOL nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00

moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALMEAN nb_total_diff_value=10185 type_max_diff_value=absolue
min_of_max_diff_value=4.241000000000000e-03 max_of_max_diff_value=1.732000000000000e+01
moy_of_max_diff_value=2.822268583333333e+00

N1C_GCCSRADANALNBCLASS nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALSTD nb_total_diff_value=11303 type_max_diff_value=relative
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALWGT nb_total_diff_value=3299 type_max_diff_value=absolue
min_of_max_diff_value=1.543400000000000e-04 max_of_max_diff_value=1.802394000000000e-02
moy_of_max_diff_value=1.832011833333333e-03

2 To be checked

OK To be checked

OK

5.2.2.2. Variables relatives à GEO

N1C_GGEOIISANGLESMETOP nb_total_diff_value=10106 type_max_diff_value=absolue
min_of_max_diff_value=2.200000000000000e-03 max_of_max_diff_value=2.374800000000000e-02
moy_of_max_diff_value=9.541249999999999e-03

N1C_GGEOIISANGLESSUN nb_total_diff_value=7696 type_max_diff_value=absolue
min_of_max_diff_value=2.000000000000000e-05 max_of_max_diff_value=2.381000000000000e-02
moy_of_max_diff_value=2.696833333333334e-03

N1C_GGEOIISLOC nb_total_diff_value=7920 type_max_diff_value=absolue
min_of_max_diff_value=1.900000000000000e-05 max_of_max_diff_value=2.377700000000000e-02
moy_of_max_diff_value=2.692416666666666e-03

N1C_GGEOSONDANGLESMETOP nb_total_diff_value=1608 type_max_diff_value=absolue
min_of_max_diff_value=3.000000000000000e-04 max_of_max_diff_value=1.854000000000000e-02
moy_of_max_diff_value=2.478916666666667e-03

N1C_GGEOSONDANGLESSUN nb_total_diff_value=1257 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=1.864000000000000e-02
moy_of_max_diff_value=2.204166666666667e-03

N1C_GGEOSONDLOC nb_total_diff_value=1303 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=1.858500000000000e-02
moy_of_max_diff_value=2.195333333333333e-03

see CES text

5.2.2.3. Variables relatives à ISF

N1C_GISFPDS1 nb_total_diff_value=4 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
moy_of_max_diff_value=1.000000000000000e-06

N1C_GISFPDS2 nb_total_diff_value=4 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
moy_of_max_diff_value=1.000000000000000e-06

N1C_GISFPDS4 nb_total_diff_value=4 type_max_diff_value=absolue

min_of_max_diff_value=1.0000000000000000e-06 max_of_max_diff_value=1.0000000000000000e-06
moy_of_max_diff_value=1.0000000000000000e-06

5.2.2.4. Variables relatives à EPS

N1C_GEPSDATIASI nb_total_diff_value=3 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e+00 max_of_max_diff_value=1.0000000000000000e+00
moy_of_max_diff_value=1.0000000000000000e+00

N1C_GEPSLOCIASIAVHRR_IASI nb_total_diff_value=856 type_max_diff_value=absolue
min_of_max_diff_value=1.7000000000000000e-03 max_of_max_diff_value=1.0000000000000000e+00
moy_of_max_diff_value=1.6946833333333334e-01

N1C_GEPSLOCIASIAVHRR_IIS nb_total_diff_value=5142 type_max_diff_value=absolue
min_of_max_diff_value=2.3600000000000000e-03 max_of_max_diff_value=1.1700000000000000e+02
moy_of_max_diff_value=1.0417280000000000e+01

5.2.2.5. Variables relatives à QIS

N1C_GQISQUALINDEXLOC nb_total_diff_value=12 type_max_diff_value=absolue
min_of_max_diff_value=1.0070000000000000e-06 max_of_max_diff_value=2.9025000000000000e-05
moy_of_max_diff_value=7.805916666666666e-06

5.3. ORBITE O14571

contexte à froid, "normal op => external cal => normal op"

5.3.1. Produit ENG

5.3.1.1. Variables relatives à CCS

ENG_CGCCSRADANALNBCLASS nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=1.0000000000000000e+00 max_of_max_diff_value=1.0000000000000000e+00
moy_of_max_diff_value=1.0000000000000000e+00

ENG_GCCSOFFSETSONDAVHRR nb_total_diff_value=17640 type_max_diff_value=absolue
min_of_max_diff_value=1.0965000000000000e-05 max_of_max_diff_value=9.1691900000000000e-04
moy_of_max_diff_value=7.226930675675676e-04

ENG_GCCSVARIANCERATE nb_total_diff_value=6 type_max_diff_value=absolue
min_of_max_diff_value=7.0645000000000000e-04 max_of_max_diff_value=7.9148090000000000e-02
moy_of_max_diff_value=2.2844970000000000e-02

5.3.1.2. Variables relatives à EUM

ENG_GEUMAVHRR1BCLDFRAC nb_total_diff_value=21 type_max_diff_value=absolue

min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.43

ENG_GEUMAVHRR1BLANDFRAC nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.44

5.3.1.3. Variables relatives à FAX

ENG_GFAXAXERES nb_total_diff_value=6 type_max_diff_value=absolue
 min_of_max_diff_value=1.334953100000000e-18 max_of_max_diff_value=1.334953100000000e-18
 moy_of_max_diff_value=1.334953100000000e-18

ENG_GFAXAXEY nb_total_diff_value=5 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-10 max_of_max_diff_value=1.000000000000000e-10
 moy_of_max_diff_value=1.000000000000000e-10

Voir § 6.45

ENG_GFAXAXEZ nb_total_diff_value=2 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-09 max_of_max_diff_value=1.000000000000000e-09
 moy_of_max_diff_value=1.000000000000000e-09

Voir § 6.48

5.3.1.4. Variables relatives à FTB

ENG_GFTBBBTRES nb_total_diff_value=52 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-10 max_of_max_diff_value=1.400000000000000e-08
 moy_of_max_diff_value=2.438461538461537e-09

5.3.1.5. Variables relatives à GEO

ENG_CGEOSUBSATELLITEPOSITION nb_total_diff_value=77 type_max_diff_value=absolue
 min_of_max_diff_value=5.000000000000000e-07 max_of_max_diff_value=1.000000000000000e-05
 moy_of_max_diff_value=2.047666666666665e-06

5.3.1.6. Variables relatives à IAC

ENG_GIACAVGIMAGIIS nb_total_diff_value=3 type_max_diff_value=relative
 min_of_max_diff_value=1.154071600000000e-08 max_of_max_diff_value=1.783223900000000e-08
 moy_of_max_diff_value=1.369630133333333e-08

Voir § 6.48

ENG_GIACCORRELQUAL nb_total_diff_value=2195 type_max_diff_value=absolue
 min_of_max_diff_value=3.900000000000000e-07 max_of_max_diff_value=8.954600000000000e-04
 moy_of_max_diff_value=1.811043243243243e-04

ENG_GIACOFFSETIISAVHRR nb_total_diff_value=3039 type_max_diff_value=absolue
min_of_max_diff_value=8.386999999999999e-05 max_of_max_diff_value=9.760530000000000e-03
moy_of_max_diff_value=6.575547739726027e-03

} OK

ENG_GIACPOSMAXQUAL nb_total_diff_value=2199 type_max_diff_value=absolue
min_of_max_diff_value=2.234000000000000e-06 max_of_max_diff_value=1.004074800000000e-02
moy_of_max_diff_value=7.449321081081082e-04

} OK

ENG_GIACVARIMAGIIS nb_total_diff_value=2 type_max_diff_value=relative
min_of_max_diff_value=1.194663700000000e-08 max_of_max_diff_value=1.670812000000000e-08
moy_of_max_diff_value=1.432737850000000e-08

} OK

5.3.1.7. Variables relatives à IAX

ENG_GIAXAXEY nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-10 max_of_max_diff_value=1.000000000000000e-10
moy_of_max_diff_value=1.000000000000000e-10

} OK

Voir § 6.50

5.3.1.8. Variables relatives à ICC

ENG_GICCRADCALSLOPEIMAG nb_total_diff_value=294 type_max_diff_value=relative
min_of_max_diff_value=1.684215500000000e-08 max_of_max_diff_value=1.801562400000000e-08
moy_of_max_diff_value=1.754330480851064e-08

} OK

Voir § 6.51

5.3.1.9. Variables relatives à QIS

ENG_GQISQUALINDEXLOC nb_total_diff_value=6080 type_max_diff_value=absolue
min_of_max_diff_value=2.234000000000000e-06 max_of_max_diff_value=2.162739000000000e-03
moy_of_max_diff_value=4.465261780821917e-04

} OK

5.3.1.10. Variables relatives à MCX

ENG_MM CXBIAS CALRAD nb_total_diff_value=1798 type_max_diff_value=absolue
min_of_max_diff_value=4.000000000000000e-15 max_of_max_diff_value=1.000000000000000e-10
moy_of_max_diff_value=2.961432432432433e-12

} OK

Voir § 6.52

ENG_MM CXCOEFF CALRAD nb_total_diff_value=10 type_max_diff_value=absolue
min_of_max_diff_value=9.999999900000000e-15 max_of_max_diff_value=1.000000000000000e-12
moy_of_max_diff_value=4.799999998888888e-13

Voir § 6.54

ENG_MM CXNOISE CALRAD nb_total_diff_value=50 type_max_diff_value=absolue
min_of_max_diff_value=3.161354000000000e-16 max_of_max_diff_value=8.513190000000000e-15
moy_of_max_diff_value=3.129228606470589e-15

Voir § 6.53

5.3.1.11. Variables relatives à EPS

ENG_GEPSDATIASI nb_total_diff_value=20 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

5.3.1.12. Variables relatives à PCH

ENG_GPCHAVHRRPSEUDOCHN nb_total_diff_value=15370 type_max_diff_value=relative
 min_of_max_diff_value=2.011211300000000e-06 max_of_max_diff_value=8.279494000000001e-04
 moy_of_max_diff_value=1.470984151054054e-04

5.3.1.13. VIADR

VIADRENG_DATEDEB nb_total_diff_value=2 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

5.3.2. Produit N1C**5.3.2.1. Variables relatives à CCS**

N1C_GCCSIMAGECLASSIFIED nb_total_diff_value=5269 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=6.000000000000000e+00
 moy_of_max_diff_value=5.000000000000000e+00

N1C_GCCSIMAGECLASSIFIEDFIRSTCOL nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSIMAGECLASSIFIEDFIRSTLIN nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.670000000000000e+02 max_of_max_diff_value=1.670000000000000e+02
 moy_of_max_diff_value=1.670000000000000e+02

N1C_GCCSIMAGECLASSIFIEDNBCOL nb_total_diff_value=4 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSIMAGECLASSIFIEDNBLIN nb_total_diff_value=1 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.46

N1C_GCCSRADANALMEAN nb_total_diff_value=110515 type_max_diff_value=absolue
 min_of_max_diff_value=7.579900000000000e-05 max_of_max_diff_value=1.481643900000000e+01
 moy_of_max_diff_value=3.439792893249999e-01

N1C_GCCSRADANALNBCCLASS nb_total_diff_value=5 type_max_diff_value=absolue

of Addition in
CNES Test report

min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALSTD nb_total_diff_value=119593 type_max_diff_value=relative
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.683801400000000e+00
moy_of_max_diff_value=1.014967922972973e+00

N1C_GCCSRADANALTYPE nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALWGT nb_total_diff_value=33875 type_max_diff_value=absolue
min_of_max_diff_value=9.370000000000000e-05 max_of_max_diff_value=1.624643300000000e-01
moy_of_max_diff_value=6.024166067567569e-03

N1C_GCCSRADANALY nb_total_diff_value=34117 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-04 max_of_max_diff_value=8.287160000000000e-01
moy_of_max_diff_value=4.791406756756759e-02

N1C_GCCSRADANALZ nb_total_diff_value=35372 type_max_diff_value=absolue
min_of_max_diff_value=1.820000000000000e-04 max_of_max_diff_value=1.066652000000000e+00
moy_of_max_diff_value=4.249817567567567e-02

5.3.2.2. Variables relatives à EUM

N1C_GEUMAVHRR1BCLDFRAC nb_total_diff_value=21 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GEUMAVHRR1BLANDFRAC nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

5.3.2.3. Variables relatives à GEO

N1C_GGEOIISANGLESMETOP nb_total_diff_value=104111 type_max_diff_value=absolue
min_of_max_diff_value=1.218000000000000e-03 max_of_max_diff_value=2.276380000000000e-01
moy_of_max_diff_value=9.198945945945948e-03

N1C_GGEOIISANGLESSUN nb_total_diff_value=86241 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=2.348000000000000e-02
moy_of_max_diff_value=1.101283783783784e-03

N1C_GGEOIISLOC nb_total_diff_value=93868 type_max_diff_value=absolue
min_of_max_diff_value=4.000000000000000e-06 max_of_max_diff_value=2.346000000000000e-02
moy_of_max_diff_value=1.103500000000000e-03

N1C_GGEOSONDANGLESMETOP nb_total_diff_value=16556 type_max_diff_value=absolue
min_of_max_diff_value=5.800000000000000e-04 max_of_max_diff_value=1.895000000000000e-02
moy_of_max_diff_value=1.918797297297297e-03

N1C_GGEOSONDANGLESSUN nb_total_diff_value=13812 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-05 max_of_max_diff_value=1.893200000000000e-02
moy_of_max_diff_value=8.354054054054055e-04

N1C_GGEOSONDLOC nb_total_diff_value=15088 type_max_diff_value=absolue
 min_of_max_diff_value=3.000000000000000e-06 max_of_max_diff_value=1.896500000000000e-02
 moy_of_max_diff_value=8.475675675675677e-04

5.3.2.4. Variables relatives à IAC

N1C_GIACAVGIMAGIIS nb_total_diff_value=2 type_max_diff_value=relative
 min_of_max_diff_value=1.154071600000000e-08 max_of_max_diff_value=1.783223900000000e-08
 moy_of_max_diff_value=1.468647750000000e-08

N1C_GIACVARIMAGIIS nb_total_diff_value=1 type_max_diff_value=relative
 min_of_max_diff_value=1.225340600000000e-08 max_of_max_diff_value=1.225340600000000e-08
 moy_of_max_diff_value=1.225340600000000e-08

5.3.2.5. Variables relatives à ISF

N1C_GISFPDS1 nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
 moy_of_max_diff_value=1.000000000000000e-06

N1C_GISFPDS2 nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
 moy_of_max_diff_value=1.000000000000000e-06

N1C_GISFPDS3 nb_total_diff_value=6 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
 moy_of_max_diff_value=1.000000000000000e-06

N1C_GISFPDS4 nb_total_diff_value=3 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e-06 max_of_max_diff_value=1.000000000000000e-06
 moy_of_max_diff_value=1.000000000000000e-06

5.3.2.6. Variables relatives à QIS

N1C_GQISQUALINDEXLOC nb_total_diff_value=73 type_max_diff_value=absolue
 min_of_max_diff_value=5.840000000000000e-07 max_of_max_diff_value=1.470590000000000e-04
 moy_of_max_diff_value=3.847505479452055e-05

5.3.2.7. Variables relatives à EPS

N1C_GEPSDATIASI nb_total_diff_value=20 type_max_diff_value=absolue
 min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=1.000000000000000e+00

N1C_GEPSLOCIASIAVHRR_IASI nb_total_diff_value=8637 type_max_diff_value=absolue
 min_of_max_diff_value=2.000000000000000e-04 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=9.060621621621625e-01

N1C_GEPSLOCIASIAVHRR_IIS nb_total_diff_value=52640 type_max_diff_value=absolue
 min_of_max_diff_value=3.000000000000000e-04 max_of_max_diff_value=1.000000000000000e+00
 moy_of_max_diff_value=9.864905405405405e-01

see CAS
 full report

5.3.2.8. Différences dans les spectres

SPECTRE nb_total_diff_value=19 type_max_diff_value=absolue min_of_max_diff_value=1.000000000000000e-09
max_of_max_diff_value=1.000000000000000e-07 moy_of_max_diff_value=5.594736842105264e-08

voir [DR-1]

OK

5.4. ORBITE O14572

contexte à chaud, "normal op => external cal => normal op"

5.4.1. Produit ENG

5.4.1.1. Information(s) générale(s)

OK { ENG_DATEDEB nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

ENG_DATEFIN nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

Voir § 6.38

5.4.1.2. Variables relatives à CCS

OK { ENG_CGCCSRADANALNBCLASS nb_total_diff_value=7 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK { ENG_GCCSOFFSETSONDAVHRR nb_total_diff_value=17108 type_max_diff_value=absolue
min_of_max_diff_value=1.029900000000000e-05 max_of_max_diff_value=8.795700000000000e-04
moy_of_max_diff_value=6.243097808219181e-04

OK { ENG_GCCSVARIANCERATE nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=8.788600000000000e-04 max_of_max_diff_value=1.691376000000000e-02
moy_of_max_diff_value=7.123945999999999e-03

5.4.1.3. Variables relatives à EUM

OK { ENG_GEUMAVHRR1BCLDFRAC nb_total_diff_value=18 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

ENG_GEUMAVHRR1BLANDFRAC nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

5.4.1.4. Variables relatives à FAX

ENG_GFAXAXEY nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-10 max_of_max_diff_value=1.000000000000000e-10
moy_of_max_diff_value=1.000000000000000e-10

5.4.1.5. Variables relatives à FTB

ENG_GFTBBBTRES nb_total_diff_value=51 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-10 max_of_max_diff_value=1.270000000000000e-08
moy_of_max_diff_value=1.360784313725490e-09

5.4.1.6. Variables relatives à GEO

ENG_CGEOSUBSATELLITEPOSITION nb_total_diff_value=78 type_max_diff_value=absolue
min_of_max_diff_value=3.800000000000000e-08 max_of_max_diff_value=1.000000000000000e-05
moy_of_max_diff_value=1.645963636363635e-06

5.4.1.7. Variables relatives à IAC

ENG_GIACAVGIMAGIIS nb_total_diff_value=3 type_max_diff_value=relative
min_of_max_diff_value=1.289337700000000e-08 max_of_max_diff_value=1.541698300000000e-08
moy_of_max_diff_value=1.413673000000000e-08

ENG_GIACCORRELQUAL nb_total_diff_value=2135 type_max_diff_value=absolue
min_of_max_diff_value=3.300000000000000e-07 max_of_max_diff_value=1.064220000000000e-03
moy_of_max_diff_value=1.266947945205479e-04

ENG_GIACOFFSETIISAVHRR nb_total_diff_value=3444 type_max_diff_value=absolue
min_of_max_diff_value=7.209000000000000e-05 max_of_max_diff_value=1.007857000000000e-02
moy_of_max_diff_value=5.985127141666664e-03

ENG_GIACPOSMAXQUAL nb_total_diff_value=2137 type_max_diff_value=absolue
min_of_max_diff_value=2.158000000000000e-06 max_of_max_diff_value=2.677688000000000e-03
moy_of_max_diff_value=4.210306506849315e-04

ENG_GIACVARIMAGIIS nb_total_diff_value=1 type_max_diff_value=relative
min_of_max_diff_value=2.033965500000000e-08 max_of_max_diff_value=2.033965500000000e-08
moy_of_max_diff_value=2.033965500000000e-08

5.4.1.8. Variables relatives à IAX

ENG_GIAXAXEY nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-09 max_of_max_diff_value=1.000000000000000e-09
moy_of_max_diff_value=1.000000000000000e-09

5.4.1.9. Variables relatives à ICC

ENG_GICCRADCALSLOPEIMAG nb_total_diff_value=247 type_max_diff_value=relative
min_of_max_diff_value=1.686086200000000e-08 max_of_max_diff_value=1.803209300000000e-08
moy_of_max_diff_value=1.758682329729730e-08

5.4.1.10. Variables relatives à QIS

ENG_GQISQUALINDEXLOC nb_total_diff_value=6888 type_max_diff_value=absolue
min_of_max_diff_value=2.158000000000000e-06 max_of_max_diff_value=2.677688000000000e-03
moy_of_max_diff_value=3.742008680555555e-04

) OK

5.4.1.11. Variables relatives à MCX

ENG_MMCXBIASCALRAD nb_total_diff_value=1609 type_max_diff_value=absolue
min_of_max_diff_value=2.000000000000000e-15 max_of_max_diff_value=6.000000000000000e-11
moy_of_max_diff_value=2.437702702702704e-12

ENG_MMCXCOEFFCALRAD nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e-13 max_of_max_diff_value=1.000000000000000e-12
moy_of_max_diff_value=2.800000000000000e-13

ENG_MMCXNOISECALRAD nb_total_diff_value=51 type_max_diff_value=absolue
min_of_max_diff_value=9.960800000000000e-17 max_of_max_diff_value=8.835950600000000e-15
moy_of_max_diff_value=3.310371607317073e-15

) OK

5.4.1.12. Variables relatives à EPS

ENG_GEPSDATIASI nb_total_diff_value=24 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

) OK

5.4.1.13. Variables relatives à PCH

ENG_GPCHAVHRRPSEUDOCHN nb_total_diff_value=14207 type_max_diff_value=relative
min_of_max_diff_value=1.445436000000000e-06 max_of_max_diff_value=6.387120100000000e-04
moy_of_max_diff_value=1.473951200054794e-04

) OK

5.4.1.14. VIADR

VIADRENG_DATEDEB nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

VIADRENG_DATEFIN nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

) OK

5.4.2. Produit N1C

5.4.2.1. Information(s) générale(s)

N1C_DATEDEB nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

) OK

OK N1C_DATEFIN nb_total_diff_value=1 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

5.4.2.2. Variables relatives à CCS

OK N1C_GCCSIMAGECLASSIFIED nb_total_diff_value=3574 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=6.000000000000000e+00
moy_of_max_diff_value=3.600000000000000e+00

N1C_GCCSIMAGECLASSIFIEDFIRSTCOL nb_total_diff_value=2 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSIMAGECLASSIFIEDFIRSTLIN nb_total_diff_value=30 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK N1C_GCCSIMAGECLASSIFIEDNBCOL nb_total_diff_value=3 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALMEAN nb_total_diff_value=96669 type_max_diff_value=absolue
min_of_max_diff_value=6.775210000000000e-05 max_of_max_diff_value=1.148000000000000e+01
moy_of_max_diff_value=1.913686191798629e-01

N1C_GCCSRADANALNBCLASS nb_total_diff_value=7 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALSTD nb_total_diff_value=104807 type_max_diff_value=relative
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.492791200000000e+08
moy_of_max_diff_value=2.130086179939178e+06

To be investigated

OK N1C_GCCSRADANALTYPE nb_total_diff_value=3 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

N1C_GCCSRADANALWGT nb_total_diff_value=31167 type_max_diff_value=absolue
min_of_max_diff_value=7.938300000000000e-05 max_of_max_diff_value=1.957740200000000e-01
moy_of_max_diff_value=6.833062054794520e-03

OK

N1C_GCCSRADANALY nb_total_diff_value=32278 type_max_diff_value=absolue
min_of_max_diff_value=1.210000000000000e-04 max_of_max_diff_value=1.053544000000000e+00
moy_of_max_diff_value=4.381775342465755e-02

OK

N1C_GCCSRADANALZ nb_total_diff_value=32943 type_max_diff_value=absolue
min_of_max_diff_value=9.100000000000000e-05 max_of_max_diff_value=9.692700000000000e-01
moy_of_max_diff_value=5.265382191780819e-02

5.4.2.3. Variables relatives à EUM

N1C_GEUMAVHRR1BCLDFRAC nb_total_diff_value=18 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK

N1C_GEUMAVHRR1BLANDFRAC nb_total_diff_value=5 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK

5.4.2.4. Variables relatives à GEO

N1C_GGEOIISANGLESMETOP nb_total_diff_value=102000 type_max_diff_value=absolue
min_of_max_diff_value=1.191000000000000e-03 max_of_max_diff_value=1.724700000000000e-01
moy_of_max_diff_value=1.520478082191781e-02

N1C_GGEOIISANGLESSUN nb_total_diff_value=77789 type_max_diff_value=absolue
min_of_max_diff_value=4.000000000000000e-06 max_of_max_diff_value=1.616300000000000e-02
moy_of_max_diff_value=9.661369863013699e-04

N1C_GGEOIISLOC nb_total_diff_value=86948 type_max_diff_value=absolue
min_of_max_diff_value=3.000000000000000e-06 max_of_max_diff_value=1.618600000000000e-02
moy_of_max_diff_value=9.656575342465761e-04

N1C_GGEOSONDANGLESMETOP nb_total_diff_value=16403 type_max_diff_value=absolue
min_of_max_diff_value=4.700000000000000e-04 max_of_max_diff_value=1.753000000000000e-02
moy_of_max_diff_value=2.562630136986302e-03

N1C_GGEOSONDANGLESSUN nb_total_diff_value=12697 type_max_diff_value=absolue
min_of_max_diff_value=2.000000000000000e-06 max_of_max_diff_value=1.723000000000000e-02
moy_of_max_diff_value=7.854520547945209e-04

N1C_GGEOSONDLOC nb_total_diff_value=14318 type_max_diff_value=absolue
min_of_max_diff_value=2.000000000000000e-06 max_of_max_diff_value=1.730000000000000e-02
moy_of_max_diff_value=8.049315068493153e-04

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5.4.2.5. Variables relatives à IAC

N1C_GIACAVGIMAGIIS nb_total_diff_value=2 type_max_diff_value=relative
min_of_max_diff_value=1.289337700000000e-08 max_of_max_diff_value=1.289337700000000e-08
moy_of_max_diff_value=1.289337700000000e-08

OK

N1C_GIACVARIMAGIIS nb_total_diff_value=2 type_max_diff_value=relative
min_of_max_diff_value=2.049772200000000e-08 max_of_max_diff_value=3.061849800000000e-08
moy_of_max_diff_value=2.555811000000000e-08

5.4.2.6. Variables relatives à QIS

N1C_GQISQUALINDEXLOC nb_total_diff_value=72 type_max_diff_value=absolue
min_of_max_diff_value=5.400000000000000e-08 max_of_max_diff_value=2.787730000000000e-04
moy_of_max_diff_value=3.680494444444447e-05

OK

5.4.2.7. Variables relatives à EPS

N1C_GEPSDATIASI nb_total_diff_value=24 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=1.000000000000000e+00
moy_of_max_diff_value=1.000000000000000e+00

OK

N1C_GEPSLOCIASIAVHRR_IASI nb_total_diff_value=8071 type_max_diff_value=absolue
min_of_max_diff_value=2.000000000000000e-04 max_of_max_diff_value=2.000000000000000e+00
moy_of_max_diff_value=9.589273972602740e-01

N1C_GEPSLOCIASIAVHRR_IIS nb_total_diff_value=49604 type_max_diff_value=absolue
min_of_max_diff_value=1.000000000000000e+00 max_of_max_diff_value=2.000000000000000e+00
moy_of_max_diff_value=1.013698630136986e+00

ne
CNES
adja.

5.4.2.8. Différences dans les spectres

SPECTRE nb_total_diff_value=7 type_max_diff_value=absolue min_of_max_diff_value=1.000000000000000e-09
max_of_max_diff_value=1.000000000000000e-07 moy_of_max_diff_value=7.299999999999999e-08

LS OK

6. ANALYZE DES DIFFERENCES

6.1. ENG_DATEDEB

<< ALGO_OPS_N_16_J9/GRAN4/MDR7 >>

<ENG_DATEDEB : NB DIFF >

((1))

<ENG_DATEDEB : INDICE >

((1))

<ENG_DATEDEB : ERREUR ABSOLUE>

((-1))

<ENG_DATEDEB : DIFF MAX>

((1))

<ENG_DATEDEB : DIFF MOY>

((-0.50000000))

<ENG_DATEDEB : DIFF SIGMA>

((0.50000000))

<ENG_DATEDEB : DIFF MOY+-SIMA>

((-1.0000000 0.0000000))

output :

((950 66630769))

references :

((950 66630770))

--> OK : Arrondi machine.

6.2. ENG_GEPSDATIASI

<< ALGO_OPS_N_16_J9/GRAN1/MDR4 >>

<ENG_GEPSDATIASI : NB DIFF >

((1))

<ENG_GEPSDATIASI : INDICE >

((5))

<ENG_GEPSDATIASI : ERREUR ABSOLUE>

((-1))

<ENG_GEPSDATIASI : DIFF MAX>

((1))

<ENG_GEPSDATIASI : DIFF MOY>

((-0.016666667))

<ENG_GEPSDATIASI : DIFF SIGMA>

((0.12801910))

<ENG_GEPSDATIASI : DIFF MOY+-SIMA>

((-0.14468576 0.11135243))

output :

((...

(950 66022555)

(950 66022769) <--

(950 66022988)

...))

references:

Référence : -

```
(( ...
( 950 66022555 )
( 950 66022770 ) <---
( 950 66022988 )
... ))
```

--> OK : Arrondi machine.

6.3. ENG_GFAXAXERES

<< ALGO_OPS_N_16_J9/GRAN1/MDR4>>

<ENG_GFAXAXERES : NB DIFF >

((2))

<ENG_GFAXAXERES : INDICE >

((0.0000000 1.0000000))

<ENG_GFAXAXERES : ERREUR ABSOLUE>

((3.2558650e-19 3.5742273e-19))

<ENG_GFAXAXERES : DIFF MAX>

((3.5742273e-19))

<ENG_GFAXAXERES : DIFF MOY>

((-1.5918115e-20))

<ENG_GFAXAXERES : DIFF SIGMA>

((3.4150461e-19))

<ENG_GFAXAXERES : DIFF MOY+-SIMA>

((-3.5742273e-19 3.2558650e-19))

output:

((1.3495011e-18 4.8907448e-19))

references:

((1.0239146e-18 8.4649721e-19))

--> OK : Arrondi machine.

6.4. ENG_CGEOSUBSATELLITEPOSITION

<< ALGO_OPS_N_16_J9/GRAN1/MDR7>>

<ENG_CGEOSUBSATELLITEPOSITION : NB DIFF >

((1))

<ENG_CGEOSUBSATELLITEPOSITION : INDICE >

((1.0000000))

<ENG_CGEOSUBSATELLITEPOSITION : ERREUR ABSOLUE>

((1.0000000e-06))

<ENG_CGEOSUBSATELLITEPOSITION : DIFF MAX>

((1.0000000e-06))

<ENG_CGEOSUBSATELLITEPOSITION : DIFF MOY>

((-5.0000000e-07))

<ENG_CGEOSUBSATELLITEPOSITION : DIFF SIGMA>

((5.0000000e-07))

<ENG_CGEOSUBSATELLITEPOSITION : DIFF MOY+-SIMA>

((-1.0000000e-06 0.0000000))

ouput:

((-114.52407 47.642296))

references:

((-114.52407 47.642297))

--> OK : Arrondi machine.

6.5. ENG_GPCHAVHRRPSEUDOCHN

<< ALGO_OPS_N_16_J9/GRAN1/MDR2 >>

<ENG_GPCHAVHRRPSEUDOCHN : NB DIFF >

((127))

<ENG_GPCHAVHRRPSEUDOCHN : INDICE >

96.000000	97.000000	100.000000	101.000000	104.000000	105.000000	108.000000	109.000000
112.000000	113.000000	116.000000	117.000000	120.000000	121.000000	124.000000	125.000000
128.000000	129.000000	132.000000	133.000000				

<ENG_GPCHAVHRRPSEUDOCHN : ERREUR RELATIVE>

8.8345651e-06	7.5585835e-06	7.3139040e-06	6.9700363e-06	7.2823663e-06	6.9107459e-06	1.4068836e-05
1.2892788e-05	1.5170154e-05	1.4979697e-05	2.9233041e-06	9.1549015e-06	2.6390022e-05	2.1216642e-05
0.0590195341e-06	9.4507987e-06	7.8057513e-06	7.2436442e-06	1.1508988e-05	1.0159990e-05	

<ENG_GPCHAVHRRPSEUDOCHN : DIFF MAX>

((5.9080855e-05))

<ENG_GPCHAVHRRPSEUDOCHN : DIFF MOY>

((6.3591848e-07))

<ENG_GPCHAVHRRPSEUDOCHN : DIFF SIGMA>

((5.3253263e-06))

<ENG_GPCHAVHRRPSEUDOCHN : DIFF MOY+-SIMA>

((5.9612448e-06 -4.6894079e-06))

output:

0.00059198769	0.00070912222	0.00053764915	0.00065700518	0.00062074006	0.00074318639	0.00059936295
0.00072544796	0.00056711922	0.00068154256	0.00062591583	0.00075459754	0.00062905875	0.00075391959
0.00058502186	0.00070969108	0.00050296891	0.00060215738	0.00039004968	0.00049042900	0.00059863593
0.00069907267	0.00054818619	0.00066882744	0.00068171503	0.00077346584	0.00051704701	...

references:

0.00059199292	0.00070912758	0.00053764915	0.00065700518	0.00062073552	0.00074318121
0.00059936295	0.00072544796	0.00056712335	0.00068154727	0.00062591583	0.00075459754
0.00075390987	0.00058502186	0.00070969108	0.00050296128	0.00060214836	0.00039004968
0.00059863768	0.00069907907	0.00054818619	0.00066882744	0.00068169704	0.00077344943
0.00051704701	...				

--> OK : Navigation (Les pseudo-canaux "AVHRRx like IASI" sont calculés à partir des radiances AVHRR), voir [DR-1]

6.6. ENG_GQISQUALINDEXLOC

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<ENG_GQISQUALINDEXLOC : NB DIFF >

((36))

<ENG_GQISQUALINDEXLOC : INDICE >

40.000000	41.000000	42.000000	43.000000	44.000000	45.000000	46.000000	47.000000
48.000000	49.000000	50.000000	51.000000	52.000000	53.000000	54.000000	55.000000
56.000000	57.000000	58.000000	59.000000				

<ENG_GQISQUALINDEXLOC : ERREUR ABSOLUE>

2.7661000e-05	2.7661000e-05	2.7661000e-05	2.7661000e-05	1.6333000e-05	1.6333000e-05	1.6333000e-05
1.6333000e-05	8.7260000e-06	8.7260000e-06	8.7260000e-06	8.7260000e-06	4.8770000e-06	4.8770000e-06
0.648770000e-06	4.8770000e-06	1.6701000e-05	1.6701000e-05	1.6701000e-05	1.6701000e-05	

<ENG_GQISQUALINDEXLOC : DIFF MAX>

((0.00013182900))

<ENG_GQISQUALINDEXLOC : DIFF MOY>

Référence : -

```
(( 5.5447667e-06 ))
<ENG_GQISQUALINDEXLOC : DIFF SIGMA>
(( 2.8568615e-05 ))
<ENG_GQISQUALINDEXLOC : DIFF MOY+-SIMA>
(( 3.4113382e-05 -2.3023848e-05 ))
```

```
ouput:
(( 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 0.017234089
0.017234089 0.017234089 0.017234089 0.013758339 0.013758339 0.013758339 0.013758339 0.013758339
0.013691337 0.013691337 0.013691337 0.013691337 0.015210533 0.015210533 0.015210533 0.015210533
0.097327299 0.097327299 0.097327299 0.097327299 5.0000000 5.0000000 5.0000000 5.0000000
0.028957763 0.028957763 0.028957763 0.028957763 0.063140984 0.063140984 0.063140984 0.063140984
0.066060706 0.066060706 0.066060706 0.066060706 0.088081513 0.088081513 0.088081513 0.088081513
0.088081513 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 ))
```

```
references:
(( 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 0.017206428
0.017206428 0.017206428 0.017206428 0.013742006 0.013742006 0.013742006 0.013742006 0.013742006
0.013700063 0.013700063 0.013700063 0.013700063 0.015215410 0.015215410 0.015215410 0.015215410
0.097310598 0.097310598 0.097310598 0.097310598 5.0000000 5.0000000 5.0000000 5.0000000
0.028956682 0.028956682 0.028956682 0.028956682 0.063090703 0.063090703 0.063090703 0.063090703
0.066124646 0.066124646 0.066124646 0.066124646 0.087949684 0.087949684 0.087949684 0.087949684
0.087949684 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000 5.0000000
5.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 ))
```

--> OK : Navigation, voir [DR-1]

6.7. ENG_GIACOFFSETIISAVHRR

<< ALGO_OPS_N_16_J9/GRAN1/MDR2 >>

<ENG_GIACOFFSETIISAVHRR : NB DIFF >

((20))

<ENG_GIACOFFSETIISAVHRR : INDICE >

```
(( 20.000000 21.000000 22.000000 23.000000 24.000000 25.000000 26.000000 27.000000
28.000000 29.000000 30.000000 31.000000 32.000000 33.000000 34.000000 35.000000
36.000000 37.000000 38.000000 39.000000 ))
```

```
<ENG_GIACOFFSETIISAVHRR : ERREUR ABSOLUE>
(( 0.0010712500 5.2800000e-05 0.00091212000 3.6900000e-05 0.00066677000 1.6700000e-05 0.00036282900
1.4200000e-05 0.00014838000 3.5000000e-06 0.00022686000 1.3930000e-05 0.00046231000 1.1100000e-05
0.00064035000 1.0200000e-05 0.0013546500 0.00021020000 0.0012408100 5.2700000e-05 ))
```

<ENG_GIACOFFSETIISAVHRR : DIFF MAX>

((0.0013546500))

<ENG_GIACOFFSETIISAVHRR : DIFF MOY>

((1.7170017e-05))

<ENG_GIACOFFSETIISAVHRR : DIFF SIGMA>

((0.00033321789))

<ENG_GIACOFFSETIISAVHRR : DIFF MOY+-SIMA>
 ((0.00035038791 -0.00031604787))

ouput:

((0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.22216706	-4.7481393	-0.054947940	-3.3631409	-0.27889102	-9.1362237	-0.33256458	-6.8944439
0.28010168	2.4292742	0.10480441	4.1081183	-0.34925990	-1.3207127	0.23172823	0.62908071
0.0000000	0.0000000	0.0000000	0.0000000	0.57064414	6.3895629	0.22000324	8.3637323
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

references:

((0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.22283383	-4.7481560	-0.054585111	-3.3631551	-0.27781977	-9.1361709	-0.33165246	-6.8944808
0.27963937	2.4292853	0.10416406	4.1081081	-0.34911152	-1.3207162	0.23150137	0.62909464
0.0000000	0.0000000	0.0000000	0.0000000	0.56928949	6.3893527	0.21876243	8.3636796
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

--> OK : Navigation, voir [DR-1]

6.8. ENG_GIACCORRELQUAL

<< ALGO_OPS_N_16_J9/GRAN1/MDR2 >>

<ENG_GIACCORRELQUAL : NB DIFF >

((10))

<ENG_GIACCORRELQUAL : INDICE >

((10.000000	11.000000	12.000000	13.000000	14.000000	15.000000	16.000000	17.000000
18.000000	19.000000						

<ENG_GIACCORRELQUAL : ERREUR ABSOLUE>

((4.6700000e-06	3.3000000e-07	2.9500000e-06	9.9000000e-07	2.1300000e-06	2.7000000e-07	6.7000000e-07
1.4200000e-06	5.1600000e-06	1.9300000e-06				

<ENG_GIACCORRELQUAL : DIFF MAX>

((5.1600000e-06))

<ENG_GIACCORRELQUAL : DIFF MOY>

((-1.3133333e-07))

<ENG_GIACCORRELQUAL : DIFF SIGMA>

((1.5111645e-06))

<ENG_GIACCORRELQUAL : DIFF MOY+-SIMA>

((-1.6424979e-06 1.3798312e-06))

ouput:

((0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-10.000000	-10.000000
10.000000	-10.000000	0.95973948	0.99330580	0.98650963	0.94565692	0.90402319	0.98064059
0.94275765	0.88365959	0.92124808	0.87054800	-10.000000	-10.000000	-10.000000	-10.000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

references:

((0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-10.000000	-10.000000
10.000000	-10.000000	0.95973481	0.99330613	0.98650668	0.94565791	0.90402532	0.98064086
0.94275698	0.88366101	0.92125324	0.87054993	-10.000000	-10.000000	-10.000000	-10.000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

--> OK : Arrondi machine.

Référence : -

6.9. ENG_GIACPOSMAXQUAL

<< ALGO_OPS_N_16_J9/GRAN1/MDR2 >>

<ENG_GIACPOSMAXQUAL : NB DIFF >

((10))

<ENG_GIACPOSMAXQUAL : INDICE >

10.000000	11.000000	12.000000	13.000000	14.000000	15.000000	16.000000	17.000000
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

<ENG_GIACPOSMAXQUAL : ERREUR ABSOLUE>

6.1950000e-06	3.3301000e-05	5.4280000e-05	2.8022000e-05	1.5040000e-05	3.1700000e-07	7.8410000e-06
---------------	---------------	---------------	---------------	---------------	---------------	---------------

<ENG_GIACPOSMAXQUAL : DIFF MAX>

((5.4280000e-05))

<ENG_GIACPOSMAXQUAL : DIFF MOY>

((5.0470000e-07))

<ENG_GIACPOSMAXQUAL : DIFF SIGMA>

((1.7652015e-05))

<ENG_GIACPOSMAXQUAL : DIFF MOY+-SIMA>

((1.8156715e-05 -1.7147315e-05))

ouput:

0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.40000000	0.40000000
0.40000000	0.40000000	0.018306809	0.020837624	0.10962986	0.056603673	0.10064753	0.020298710
0.046440304	0.064014827	0.075906055	0.066389484	0.40000000	0.40000000	0.40000000	0.40000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

references:

0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.40000000	0.40000000
0.40000000	0.40000000	0.018313004	0.020804323	0.10968414	0.056575651	0.10066257	0.020298393
0.046448145	0.063966832	0.075881431	0.066425246	0.40000000	0.40000000	0.40000000	0.40000000
0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

6.10. ENG_GCCSOFFSETSONDAVHRR

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<ENG_GCCSOFFSETSONDAVHRR : NB DIFF >

((144))

<ENG_GCCSOFFSETSONDAVHRR : INDICE >

48.000000	49.000000	50.000000	51.000000	52.000000	53.000000	54.000000	55.000000
56.000000	57.000000	58.000000	59.000000	60.000000	61.000000	62.000000	63.000000

<ENG_GCCSOFFSETSONDAVHRR : ERREUR ABSOLUE>

6.9147100e-08	9.4564000e-07	6.9147100e-08	9.4564000e-07	6.9147100e-08	9.4564000e-07	6.9147100e-08
9.4564000e-07	1.2682000e-07	3.6393600e-06	1.2682000e-07	3.6393600e-06	1.2682000e-07	3.6393600e-06
1.2682000e-07	3.6393600e-06	1.2765400e-08	1.5049400e-06	1.2765400e-08	1.5049400e-06	1.2765400e-08

<ENG_GCCSOFFSETSONDAVHRR : DIFF MAX>

((0.00022100315))

<ENG_GCCSOFFSETSONDAVHRR : DIFF MOY>

((-4.6865744e-06))

<ENG_GCCSOFFSETSONDAVHRR : DIFF SIGMA>

((4.9136847e-05))

<ENG_GCCSOFFSETSONDAVHRR : DIFF MOY+-SIMA>

((-5.3823421e-05 4.4450272e-05))

ouput:

8.3346609e-06	-0.00029045754	8.3346609e-06	-0.00029045754	8.3346609e-06	-0.00029045754
8.3346609e-06	-0.00029045754	4.2529246e-05	0.00036022022	4.2529246e-05	0.00036022022
0.00036022022	4.2529246e-05	0.00036022022	-2.8956876e-06	0.00022582178	-2.8956876e-06


```

-2.8956876e-06 0.00022582178 -2.8956876e-06 0.00022582178 -3.2513936e-05 -0.00014820489 -3.2513936e-05 -
0.00014820489 -3.2513936e-05 -0.00014820489 -3.2513936e-05 -0.00014820489 -0.66055623 0.0035770443 -
0.66055623 0.0035770443 -0.66055623 0.0035770443 -0.54173793 0.0098294191 -0.54173793 0.0098294191 -
0.0098294191 -0.54173793 0.0098294191 -0.54173793 0.0098294191 -0.012921393 -0.38614684 -0.012921393 -
0.38614684 -0.012921393 -0.38614684 -0.012921393 -0.012921393 -0.38614684 -0.012921393 -0.012921393 -
0.21975782 -0.017630228 -0.21975782 -0.017630228 -0.21975782 -0.017630228 -0.21975782 -0.017630228 -
0.017630228 -0.12764003 -0.032726160 -0.12764003 -0.032726160 -0.12764003 -0.032726160 -0.12764003 -
0.032726160 -6.3218012e-05 -0.00035688154 0.20496139 -6.3218012e-05 -0.00035688154 -6.3218012e-05 -0.00035688154 -
6.3218012e-05 -0.00035688154 0.20496139 -0.0098333409 0.20496139 -0.0098333409 0.20496139 -
0.0098333409 0.20496139 -0.0098333409 0.32412820 -0.014248013 0.32412820 -0.014248013 0.32412820 -
0.014248013 0.32412820 -0.014248013 0.46038328 0.0019057033 0.46038328 0.0019057033 0.46038328 -
0.0019057033 0.46038328 0.0019057033 0.61986596 -0.029860877 0.61986596 -0.029860877 0.61986596 -
0.61986596 -0.029860877 0.61986596 -0.029860877 0.61986596 -0.029860877 0.61986596 -0.029860877 -
3.1503913e-05 7.5135338e-06 3.1503913e-05 7.5135338e-06 3.1503913e-05 7.5135338e-06 3.1503913e-05 7.5135338e-06 -
6.5650834e-05 -8.7481406e-05 6.5650834e-05 -8.7481406e-05 6.5650834e-05 -8.7481406e-05 6.5650834e-05 -8.7481406e-05 -
0.00060833459 0.00017397864 0.00060833459 0.00017397864 0.00060833459 0.00017397864 0.00060833459 0.00017397864 -
-8.6971825e-05 0.00034326904 -8.6971825e-05 0.00034326904 -8.6971825e-05 0.00034326904 -8.6971825e-05 0.00034326904 -
0.00034326904 ... ))

```

references:

```

(( ... 8.2655138e-06 -0.00029140318 8.2655138e-06 -0.00029140318 8.2655138e-06 -0.00029140318 8.2655138e-06 -0.00029140318 -
8.2655138e-06 -0.00029140318 4.2402426e-05 0.00035658086 4.2402426e-05 0.00035658086 4.2402426e-05 0.00035658086 4.2402426e-05 -
0.00035658086 4.2402426e-05 0.00035658086 -2.8829222e-06 0.00022431684 -2.8829222e-06 0.00022431684 -2.8829222e-06 0.00022431684 -
-2.8829222e-06 0.00022431684 -2.8829222e-06 0.00022431684 -3.2393332e-05 -0.00020479464 -3.2393332e-05 -0.00020479464 -3.2393332e-05 -
0.00020479464 -3.2393332e-05 -0.00020479464 -3.2393332e-05 -0.00020479464 -3.2393332e-05 -0.00020479464 -3.2393332e-05 -
0.66056934 0.0034314753 -0.66056934 0.0034314753 -0.66056934 0.0034314753 -0.66056934 0.0034314753 -
8 -0.54174013 0.0097169738 -0.54174013 0.0097169738 -0.54174013 0.0097169738 -0.54174013 0.0097169738 -
0.012981592 -0.38614843 -0.012981592 -0.38614843 -0.012981592 -0.38614843 -0.012981592 -0.38614843 -
-0.017665450 -0.21975949 -0.017665450 -0.21975949 -0.017665450 -0.21975949 -0.017665450 -0.21975949 -
0.12764047 -0.032740636 -0.12764047 -0.032740636 -0.12764047 -0.032740636 -0.12764047 -0.032740636 -
6 -6.0870809e-05 -0.00035477896 0.20496585 -6.0870809e-05 -0.00035477896 0.20496585 -6.0870809e-05 -0.00035477896 -
6.0870809e-05 -0.00035477896 0.20496585 -0.0098122876 0.20496585 -0.0098122876 0.20496585 -
0.0098122876 0.20496585 -0.0098122876 0.32413043 -0.014207469 0.32413043 -0.014207469 0.32413043 -
76 0.014207469 0.32413043 -0.014207469 0.46039304 0.0019447618 0.46039304 0.0019447618 0.46039304 -
0.014207469 0.32413043 -0.014207469 0.46039304 0.0019447618 0.46039304 0.0019447618 0.46039304 -
0.0019447618 0.46039304 0.0019447618 0.61985984 -0.029763842 0.61985984 -0.029763842 0.61985984 -
0.61985984 -0.029763842 0.61985984 -0.029763842 0.61985984 -0.029763842 0.61985984 -0.029763842 -
2.7671858e-05 6.5402754e-06 2.7671858e-05 6.5402754e-06 2.7671858e-05 6.5402754e-06 2.7671858e-05 6.5402754e-06 -
6.7526342e-05 3.0465021e-06 6.7526342e-05 3.0465021e-06 6.7526342e-05 3.0465021e-06 6.7526342e-05 3.0465021e-06 -
0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 -
0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 0.00079048949 0.000182349 22 -
-6.7711092e-05 0.00056427219 -6.7711092e-05 0.00056427219 -6.7711092e-05 0.00056427219 -6.7711092e-05 0.00056427219 -
0.00056427219 ... ))

```

--> OK : Navigation, voir [DR-1]

6.11. ENG_GCCSNONCLASSIFRATE

<< ALGO_OPS_N_16_J9/GRAN1/MDR17 >>

```

<ENG_GCCSNONCLASSIFRATE : NB DIFF >
(( 1 ))
<ENG_GCCSNONCLASSIFRATE : INDICE >
(( 20.000000 ))
<ENG_GCCSNONCLASSIFRATE : ERREUR ABSOLUE>
(( 0.00033234130 ))
<ENG_GCCSNONCLASSIFRATE : DIFF MAX>
(( 0.00033234130 ))
<ENG_GCCSNONCLASSIFRATE : DIFF MOY>
(( 1.1078043e-05 ))

```

Référence : -

```
<ENG_GCCSNONCLASSIFRATE : DIFF SIGMA>
(( 5.9657089e-05      ))
<ENG_GCCSNONCLASSIFRATE : DIFF MOY+-SIMA>
(( 7.0735132e-05      -4.8579046e-05 ))
```

```

(( 7.0735132e-05  -4.637554e-05 //
output :
(( 0.0000000  0.0000000  0.0000000  0.0000000  0.0000000  0.0000000  0.00058962264
0.00030637255  0.00031746032  0.0000000  0.0000000  0.0019531250  0.00033772374  0.0016622340
0.00099734043  0.0049867021  0.0076462766  0.0013227513  0.0019132653  --> 0.0012698413  0.00060096154
0.00058962264  0.0000000  0.0000000  0.0000000  0.0000000  0.0000000  0.0000000
))

```

```

reference :
(( 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.00058962264
0.00030637255 0.00031746032 0.0000000 0.0000000 0.0019531250 0.00033772374 0.0016622340
0.00099734043 0.0049867021 0.0076462766 0.0013227513 0.0019132653 -->0.00093750000 0.00060096154
0.00058962264 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 ))

```

--> OK : Navigation, voir [DR-1]

6.12. ENG_GCCSVARIANCERATE

<< ALGO_OPS_N_16_J9/GRAN1/MDR17 >>

```
<ENG_GCCSVARIANCERATE : NB DIFF >
(( 1 ))
<ENG_GCCSVARIANCERATE : INDICE >
(( 20.000000 ))
<ENG_GCCSVARIANCERATE : ERREUR ABSOLUE>
(( 0.019847550 ))
<ENG_GCCSVARIANCERATE : DIFF MAX>
(( 0.019847550 ))
<ENG_GCCSVARIANCERATE : DIFF MOY>
(( -0.00066158500 ))
<ENG_GCCSVARIANCERATE : DIFF SIGMA>
(( 0.0035627443 ))
<ENG_GCCSVARIANCERATE : DIFF MOY+SIMA>
(( -0.0042243293 0.0029011593 ))
```

```

output :
(( 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.53152369
0.61396537 0.56666568 0.50982786 0.39889213 0.58944021 0.56609339 0.63890129 0.55903862
0.92655368 0.70431995 0.53934721 0.54731398 --> 0.55572014 0.57824127 0.59624713
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 ))

```

```

0.0000000 0.0000000
reference :
(( ( 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.53152369
0.61396537 0.56666568 0.50982786 0.39889213 0.58944021 0.56609339 0.63890129 0.55903862
0.92655368 0.7043199 0.53934721 0.54731398 --> 0.57556769 0.57824127 0.59624713
0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 ))

```

--> OK : Navigation, voir [DR-1]

6.13. ENG_CGCCSRADANALNBCLASS

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

```
<ENG_CGCCSRADANALNBCCLASS : NB DIFF >
(( 1 ))
```

Référence : -

```
<ENG_CGCCSRADANALNBCLASS : INDICE >
(( 83 ))
<ENG_CGCCSRADANALNBCLASS : ERREUR ABSOLUE>
((-1 ))
<ENG_CGCCSRADANALNBCLASS : DIFF MAX>
((1 ))
<ENG_CGCCSRADANALNBCLASS : DIFF MOY>
((-0.008333333333333333 ))
<ENG_CGCCSRADANALNBCLASS : DIFF SIGMA>
((0.090905934 ))
<ENG_CGCCSRADANALNBCLASS : DIFF MOY+-SIMA>
((-0.099239268 0.082572601 ))
```

output:

[illegible]

references:

--> OK : Navigation, voir [DR-11]

--> OK : Navigation, voir [DR-1]

6.14. N1C_GCCSRADANALNBCLASS

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

```
>N1C_GCCSRADANALNBCLASS : NB DIFF >
(( 1 ))
>N1C_GCCSRADANALNBCLASS : INDICE >
(( 83 ))
>N1C_GCCSRADANALNBCLASS : ERREUR ABSOLUE>
((-1 ))
>N1C_GCCSRADANALNBCLASS : DIFF MAX>
(( 1 ))
>N1C_GCCSRADANALNBCLASS : DIFF MOY>
((-0.008333333333333333 ))
>N1C_GCCSRADANALNBCLASS : DIFF SIGMA>
(( 0.090905934 ))
>N1C_GCCSRADANALNBCLASS : DIFF MOY+-SIMA>
((-0.099239268 0.082572601 ))
```

output:

[illegible]

references:

[illegible]

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IA-JE-2100-9888-THA

Edit. : 01

Date : 02/05

Rév. : 00

Date : 02/05/26

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Référence : -

0	0	3	2	1	3	3	2	2	4	4	3	1	4	3	5	6	5	6	3	2	3	3	5
5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

--> OK : Navigation, voir [DR-1]

6.15. N1C_GCCSRADANALWGT

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

<N1C_GCCSRADANALWGT : NB DIFF >

((240))

<N1C_GCCSRADANALWGT : INDICE >

((196.00000	197.00000	198.00000	199.00000	200.00000	201.00000	203.00000	204.00000
205.00000	206.00000	208.00000	210.00000	211.00000	212.00000	213.00000	214.00000
215.00000	216.00000	217.00000	218.00000))			

<N1C_GCCSRADANALWGT : ERREUR ABSOLUE>

((5.1580000e-06	1.7170000e-05	6.2900000e-06	7.0490000e-06	6.4340000e-06	1.5130000e-05	6.3430000e-05
5.0540000e-05	1.2430000e-05	7.7370000e-07	0.00010232000	1.7970000e-05	7.4770000e-05	7.2700000e-05
06	4.3300000e-06	1.5798000e-05	0.00011149000	1.3147086e-13	1.0700000e-06	5.7110000e-05

<N1C_GCCSRADANALWGT : DIFF MAX>

((0.37137985))

<N1C_GCCSRADANALWGT : DIFF MOY>

((-0.00010068532))

<N1C_GCCSRADANALWGT : DIFF SIGMA>

((0.020958286))

<N1C_GCCSRADANALWGT : DIFF MOY+-SIMA>

((-0.021058971 0.020857601))

ouput:

((... 0.012522003	0.18868479	0.43744516	0.025469411	0.036821801	0.29905684	0.0000000
0.12257523	0.20970028	0.28334035	0.0067057768	0.0000000	0.37767837	0.0000000
0.20000337	0.30447948	0.21103993	0.043217022	0.13067911	9.7993985e-13	0.14378509
0.34193359	0.14419393	0.084050882	0.16563494	0.0000000	0.037184334	0.10584590
0.62148659	0.0000000	0.13804272	0.0000000	0.59980660	0.051419417	0.28951586
0.059258124	0.0000000	0.0000000	0.23387751	0.10851988	0.49739289	0.0000000
0.0000000	0.0000000	0.21526071	0.013512464	0.53338482	0.00030387388	0.23657449
0.00096364691	0.89441602	0.10558398	0.0000000	0.0000000	0.0000000	0.0000000

references:

((... 0.012516845	0.18866762	0.43743887	0.025476460	0.036828235	0.29907197	0.0000000
0.12263866	0.20975082	0.28332792	0.0067065505	0.0000000	0.37757605	0.0000000
0.19992860	0.30447221	0.21104426	0.043201224	0.13079060	8.4846899e-13	0.14378402
0.34189615	0.14420205	0.084089015	0.16557010	0.0000000	0.037054506	0.10579313
0.62163814	0.0000000	0.13808486	0.0000000	0.59973498	0.051426416	0.28957297
0.059265634	0.0000000	0.0000000	0.23390226	0.10852760	0.49742642	0.0000000
0.0000000	0.0000000	0.21528398	0.013512248	0.53336768	0.00030386605	0.23656860
0.0000000	0.00096362209	0.89440925	0.10559075	0.0000000	0.0000000	0.0000000
0.0000000

--> OK : Navigation, voir [DR-1]

6.16. N1C_GCCSRADANALY

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

<N1C_GCCSRADANALY : NB DIFF >

Référence : -

```

(( 230 ))
<N1C_GCCSRADANALY : INDICE >
(( 196.00000 197.00000 198.00000 199.00000 200.00000 201.00000 203.00000 204.00000
205.00000 206.00000 208.00000 210.00000 211.00000 212.00000 213.00000 214.00000
215.00000 216.00000 217.00000 ))
<N1C_GCCSRADANALY : ERREUR ABSOLUE>
(( 1.6000000e-05 1.9000000e-05 3.0000000e-06 4.8000000e-05 9.0000000e-06 4.7000000e-05 3.5000000e-05
2.7000000e-05 3.8000000e-05 1.2000000e-05 2.0000000e-06 9.0000000e-06 5.0000000e-05 4.3000000e-05
3.0000000e-05 4.0000000e-05 2.4000000e-05 5.0000000e-06 1.2000000e-05 8.9000000e-05 ))
<N1C_GCCSRADANALY : DIFF MAX>
(( 0.68996100 ))
<N1C_GCCSRADANALY : DIFF MOY>
(( 0.00040481905 ))
<N1C_GCCSRADANALY : DIFF SIGMA>
(( 0.041034947 ))
<N1C_GCCSRADANALY : DIFF MOY+-SIMA>
(( 0.041439766 -0.040630128 ))
--> OK : Navigation, voir [DR-1]

```

6.17. N1C_GCCSRADANALZ

```

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>
<N1C_GCCSRADANALZ : NB DIFF >
(( 238 ))
<N1C_GCCSRADANALZ : INDICE >
(( 196.00000 197.00000 198.00000 199.00000 200.00000 201.00000 203.00000 204.00000
205.00000 206.00000 208.00000 210.00000 211.00000 212.00000 213.00000 214.00000
215.00000 216.00000 217.00000 218.00000 ))
<N1C_GCCSRADANALZ : ERREUR ABSOLUE>
(( 0.00020100000 0.00010400000 6.9000000e-05 0.00015300000 0.00016300000 1.3000000e-05 8.7000000e-05
8.4000000e-05 6.4000000e-05 0.00018200000 0.00010200000 0.00015800000 8.9000000e-05 0.00011100000
4.9000000e-05 0.00014900000 0.00010600000 0.00010500000 0.00010600000 3.0000000e-06 ))
<N1C_GCCSRADANALZ : DIFF MAX>
(( 0.76423800 ))
<N1C_GCCSRADANALZ : DIFF MOY>
(( 0.00057481310 ))
<N1C_GCCSRADANALZ : DIFF SIGMA>
(( 0.047999845 ))
<N1C_GCCSRADANALZ : DIFF MOY+-SIMA>
(( 0.048574658 -0.047425032 ))
--> OK : Navigation, voir [DR-1]

```

6.18. N1C_GCCSRADANALMEAN

```

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>
<N1C_GCCSRADANALMEAN : NB DIFF >
(( 913 ))
<N1C_GCCSRADANALMEAN : INDICE >
(( 1176.0000 1177.0000 1178.0000 1180.0000 1181.0000 1182.0000 1183.0000 1184.0000
1186.0000 1187.0000 1188.0000 1189.0000 1190.0000 1192.0000 1193.0000 1194.0000
1195.0000 1196.0000 1198.0000 1199.0000 ))
<N1C_GCCSRADANALMEAN : ERREUR ABSOLUE>
(( 0.00036400000 0.00080400000 3.7520000e-05 1.5900000e-08 1.6200000e-08 2.3200000e-05 0.00045200000
2.4200000e-06 1.2600000e-08 1.1700000e-08 9.6600000e-05 0.00019800000 1.8700000e-06 6.0000000e-10
6.0000000e-10 5.7400000e-05 0.00044100000 3.9500000e-06 1.1000000e-09 1.9000000e-09 ))

```

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```

1 0 1 0 0 1 0 1 0 1 1 0 0 0 1 0 1 1 0 1 0
1 1 1 0 0 1 0 1 1 1 0 0 0 0 1 0 1 1 0 1 0
1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0
0 1 0 1 0 1<-- 0 0<-- 1 0 1 0 0 1 0 1 1 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0 ))

```

references:

```

((
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 1 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0
1 0 1 0 0 1 0 1 0 1 0 1 1 0 0 0 0 0 0 0 0 0 0
1 1 1 0 0 1 0 1 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0
1 0 0 1 0 1 0 1 0 0 1 0 0 0 1 0 0 1 1 0 1 0 0
1 0 1 0 0<-- 0 1<-- 1 0 1 0 0 0 1 0 0 1 0 1 1 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 1 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 ))

```

--> OK : Navigation, voir [DR-1]

6.21. N1C_GCCSIMAGECLASSIFIEDFIRSTLIN

<< ALGO_OPS_N_16_J9/GRAN4/MDR7 >>

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : NB DIFF >

((27))

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : INDICE >

```

(( 2.0000000 3.0000000 4.0000000 5.0000000 6.0000000 7.0000000 8.0000000 9.0000000
10.000000 11.000000 12.000000 13.000000 14.000000 15.000000 16.000000 17.000000
18.000000 19.000000 20.000000 21.000000 ))

```

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : ERREUR ABSOLUE>

```

(( 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
1.0000000 1.0000000 1.0000000 1.0000000 ))

```

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : DIFF MAX>

((1.0000000))

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : DIFF MOY>

((0.90000000))

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : DIFF SIGMA>

((0.30000000))

<N1C_GCCSIMAGECLASSIFIEDFIRSTLIN : DIFF MOY+-SIMA>

((1.2000000 0.60000000))

ouput:

```

(( 0.0000000 0.0000000 -3162.0000 -2995.0000 -2662.0000 -2495.0000 -2328.0000 -1995.0000 -
1828.0000 -1662.0000 -1328.0000 -1162.0000 -995.00000 -828.00000 -828.00000 -328.00000 -
162.00000 172.00000 338.00000 505.00000 838.00000 1005.0000 1172.0000 1338.0000 -
1672.0000 1838.0000 2005.0000 2338.0000 2505.0000 0.0000000 ))

```

references:

```

(( 0.0000000 0.0000000 -3163.0000 -2996.0000 -2663.0000 -2496.0000 -2329.0000 -1996.0000 -
1829.0000 -1663.0000 -1329.0000 -1163.0000 -996.00000 -829.00000 -829.00000 -329.00000 -
163.00000 171.00000 337.00000 504.00000 837.00000 1004.0000 1171.0000 1337.0000 -
1671.0000 1837.0000 2004.0000 2337.0000 2504.0000 0.0000000 ))

```

--> OK : Navigation, voir [DR-1]

Référence : -

6.22. N1C_GCCSIMAGECLASSIFIEDNBCOL

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

<N1C_GCCSIMAGECLASSIFIEDNBCOL : NB DIFF >

((1))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : INDICE >

((20))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : ERREUR ABSOLUE>

((-1))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : DIFF MAX>

((1))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : DIFF MOY>

((-0.03333333))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : DIFF SIGMA>

((0.17950549))

<N1C_GCCSIMAGECLASSIFIEDNBCOL : DIFF MOY+-SIMA>

((-0.21283883 0.14617216))

ouput:

```
(( 0 0 0 0 0 0 64 64 63 64 64 64 64 64 63 63 64
   64 63 -->63 64 64 0 0 0 0 0 0 0 0 ))
```

references:

```
(( 0 0 0 0 0 0 64 64 63 64 64 64 64 64 63 63 64
   64 63 -->64 64 64 0 0 0 0 0 0 0 0 ))
```

--> OK : Arrondi machine.

6.23. N1C_GCCSIMAGECLASSIFIED

<< ALGO_OPS_N_16_J9/GRAN1/MDR16 >>

<N1C_GCCSIMAGECLASSIFIED : NB DIFF >

((1597))

<N1C_GCCSIMAGECLASSIFIED : INDICE >

```
(( 200000 200001 200002 200003 200004 200009 200010 200014 200015 200016 200017 200018 200019 200020
   200021 200022 200023 200024 200025 200026 ))
```

<N1C_GCCSIMAGECLASSIFIED : ERREUR ABSOLUE>

```
(( 2.1219958e-314 2.1219958e-314 2.1219958e-314 2.1219958e-314 2.1219958e-
   314 2.1219958e-314 2.1219958e-314 2.1219958e-314 -NaNQ 4.6659391e+25 2.9643939e-323 0.0000000
   -NaNQ 0.0000000 1.4821969e-318 0.0000000 3.9790076e-315 1.8313778e-77 ))
```

<N1C_GCCSIMAGECLASSIFIED : DIFF MAX>

((6))

<N1C_GCCSIMAGECLASSIFIED : DIFF MOY>

((0.0038100000))

<N1C_GCCSIMAGECLASSIFIED : DIFF SIGMA>

((0.10031027))

<N1C_GCCSIMAGECLASSIFIED : DIFF MOY+-SIMA>

((0.10412027 -0.096500271))

--> OK : Navigation

--> Il y a des différences dans N1C_GCCSIMAGECLASSIFIEDNBCOL (indice à +1 colonne sous Linux) et N1C_GCCSIMAGECLASSIFIEDFIRSTLIN (décalage d'une ligne sous Linux), il y donc des différences sur les données comparées/non-comparées.

6.24. N1C_GISFPDS1

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

```

<N1C_GISFPDS1 : NB DIFF >
(( 1 ))
<N1C_GISFPDS1 : INDICE >
(( 1.0000000 ))
<N1C_GISFPDS1 : ERREUR ABSOLUE>
(( 1.0000000e-06 ))
<N1C_GISFPDS1 : DIFF MAX>
(( 1.0000000e-06 ))
<N1C_GISFPDS1 : DIFF MOY>
(( 5.0000000e-07 ))
<N1C_GISFPDS1 : DIFF SIGMA>
(( 5.0000000e-07 ))
<N1C_GISFPDS1 : DIFF MOY+-SIMA>
(( 1.0000000e-06 0.0000000 ))

```

output:

```
(( 0.021000000 0.021000000 ))
```

references:

```
(( 0.021000000 0.020999000 ))
```

--> OK : Arrondi machine.

6.25. N1C_GISFPDS2

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

```

<N1C_GISFPDS2 : NB DIFF >
(( 1 ))
<N1C_GISFPDS2 : INDICE >
(( 1.0000000 ))
<N1C_GISFPDS2 : ERREUR ABSOLUE>
(( 1.0000000e-06 ))
<N1C_GISFPDS2 : DIFF MAX>
(( 1.0000000e-06 ))
<N1C_GISFPDS2 : DIFF MOY>
(( 5.0000000e-07 ))
<N1C_GISFPDS2 : DIFF SIGMA>
(( 5.0000000e-07 ))
<N1C_GISFPDS2 : DIFF MOY+-SIMA>
(( 1.0000000e-06 0.0000000 ))

```

output:

```
(( 0.049000000 0.049000000 ))
```

references:

```
(( 0.049000000 0.048999000 ))
```

--> OK : Arrondi machine.

6.26. N1C_GISFPDS3

Référence : -

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

```
<N1C_GISFPDS3 : NB DIFF >
(( 1 ))
<N1C_GISFPDS3 : INDICE >
(( 0.000000 ))
<N1C_GISFPDS3 : ERREUR ABSOLUE>
(( 1.000000e-06 ))
<N1C_GISFPDS3 : DIFF MAX>
(( 1.000000e-06 ))
<N1C_GISFPDS3 : DIFF MOY>
(( -5.000000e-07 ))
<N1C_GISFPDS3 : DIFF SIGMA>
(( 5.000000e-07 ))
<N1C_GISFPDS3 : DIFF MOY+-SIMA>
((-1.000000e-06 0.000000 ))
```

```
output:
(( 0.65099900 0.65100000 ))
```

```
references:
(( 0.65100000 0.65100000 ))
```

--> OK : Arrondi machine.

6.27. N1C_GISFPDS4

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

```
<N1C_GISFPDS4 : NB DIFF >
(( 2 ))
<N1C_GISFPDS4 : INDICE >
(( 0.000000 1.000000 ))
<N1C_GISFPDS4 : ERREUR ABSOLUE>
(( 1.000000e-06 1.000000e-06 ))
<N1C_GISFPDS4 : DIFF MAX>
(( 1.000000e-06 ))
<N1C_GISFPDS4 : DIFF MOY>
((-1.000000e-06 ))
<N1C_GISFPDS4 : DIFF SIGMA>
(( NaNQ ))
<N1C_GISFPDS4 : DIFF MOY+-SIMA>
(( NaNQ NaNQ ))
```

```
output:
(( 0.27899900 0.27899900 ))
```

```
references:
(( 0.27900000 0.27900000 ))
```

→ OK : Arrondi machine.

NaNQ : cf. Action 404

6.28. N1C_GGEOSONDLOC

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

```
<N1C_GGEOSONDLOC : NB DIFF >
(( 89 ))
```

Référence : -

<N1C_GGEOSONDLOC : INDICE >
 ((72.000000 73.000000 74.000000 75.000000 76.000000 77.000000 78.000000 79.000000
 80.000000 81.000000 82.000000 83.000000 84.000000 85.000000 86.000000 87.000000
 88.000000 89.000000 90.000000 91.000000))
 <N1C_GGEOSONDLOC : ERREUR ABSOLUE>
 ((1.000000e-05 2.000000e-06 2.000000e-05 2.000000e-06 1.000000e-05 3.000000e-06 1.000000e-05
 3.000000e-06 3.000000e-05 5.000000e-06 3.000000e-05 5.000000e-06 3.000000e-05 4.000000e-06
 4.000000e-05 5.000000e-06 2.000000e-05 5.000000e-06 2.000000e-05 5.000000e-06))
 <N1C_GGEOSONDLOC : DIFF MAX>
 ((7.000000e-05))
 <N1C_GGEOSONDLOC : DIFF MOY>
 ((1.050000e-06))
 <N1C_GGEOSONDLOC : DIFF SIGMA>
 ((1.2432049e-05))
 <N1C_GGEOSONDLOC : DIFF MOY+-SIMA>
 ((1.3482049e-05 -1.1382049e-05))

output:

((-100.84227 47.525748 -101.00891 47.292666 -100.36640 47.073312 -100.19179 47.313467 -
 102.39609 47.997468 -102.54477 47.780547 -102.00685 47.608110 -101.85204 47.830619 -
 103.72409 48.375881 -103.85865 48.171927 -103.39460 48.031163 -103.25518 48.239631 -
 104.88794 48.688798 -105.01110 48.495422 -104.60155 48.377203 -104.47444 48.574276 -
 105.92792 48.954385 -106.04172 48.769728 -105.67356 48.668180 -105.55650 48.855893 -
 106.87259 49.184191 -106.97858 49.006756 -106.64249 48.917898 -106.53376 49.097867 -
 107.74277 49.386173 -107.84217 49.214725 -107.53124 49.135742 -107.42953 49.309290 -
 108.55424 49.566782 -108.64803 49.400277 -108.35696 49.329114 -108.26120 49.497348 -
 109.31901 49.730181 -109.40798 49.567715 -109.13257 49.502822 -109.04192 49.666696 -
 110.04737<- 49.879431 -110.13217 49.720206 -109.86901 49.660394 -109.78275 49.820740 -
 110.70463 50.101386 -110.78618 49.944712 -110.53174 49.889506 -110.44885 50.047025 -
 111.39397 50.214998 -111.47225 50.060183 -111.22491 50.008183 -111.14546 50.163606 -
 112.06421 50.315868 -112.13965 50.162286 -111.89714 50.112891 -111.82068 50.266860 -
 112.72846 50.410943 -112.80139 50.258015 -112.56168 50.210782 -112.48787 50.363886 -
 113.38180 50.510249 -113.45256 50.357402 -113.21363 50.311949 -113.14211 50.464761 -
 114.04726 50.603034 -114.11607 50.449688 -113.87601 50.405698 -113.80655 50.558795 -
 114.71474 50.682022 -114.78182 50.527596 -114.53872 50.484792 -114.47107 50.638754 -
 115.39007 50.769360 -115.45563 50.613253 -115.20738 50.571371 -115.14132 50.726789 -
 116.08787 50.853872 -116.15207 50.695427 -115.89637 50.654263 -115.83174 50.811776 -
 116.80081 50.932485 -116.86378 50.771050 -116.59825 50.730437 -116.53491 50.890681 -
 117.51978 51.115947 -117.58163 50.950726 -117.30296 50.909596 -117.24068 51.073321 -
 118.30437 51.218899 -118.36508 51.049050 -118.07006 51.007784 -118.00894 51.175807 -
 119.14060 51.323556 -119.20012 51.148103 -118.88452 51.106510 -118.82456 51.279758 -
 120.04143 51.430367 -120.09968 51.248177 -119.75817 51.206094 -119.69943 120.64929 -
 51.385636 -121.02417 51.540178 -121.08092 51.349901 -120.70662 51.307215 -121.69464 -
 51.494313 -122.11161 51.653347 -122.16651 51.453340 -121.75027 51.410023 -122.86285 -
 51.606200 -123.33462 51.769817 -123.38706 51.558033 -122.91628 51.514220 -124.19207 -
 51.721357 -124.73688 51.889722 -124.78590 51.663537 -124.24250 51.619687 -125.73827 -
 51.840166 -126.38371 52.011336 -126.42771 51.767264 -125.78438 51.724500 -127.58790 -
 51.961444 -128.37866 52.130341 -128.41495 51.863535 -127.62748 51.824462 -
 52.082133))

references:

((-100.84227 47.525748 -101.00891 47.292666 -100.36640 47.073312 -100.19179 47.313467 -
 102.39609 47.997468 -102.54477 47.780547 -102.00685 47.608110 -101.85204 47.830619 -
 103.72409 48.375881 -103.85865 48.171927 -103.39460 48.031163 -103.25518 48.239631 -
 104.88794 48.688798 -105.01110 48.495422 -104.60155 48.377203 -104.47444 48.574276 -
 105.92792 48.954385 -106.04172 48.769728 -105.67356 48.668180 -105.55650 48.855893 -
 106.87259 49.184191 -106.97858 49.006756 -106.64249 48.917898 -106.53376 49.097867 -
 107.74277 49.386173 -107.84217 49.214725 -107.53124 49.135742 -107.42953 49.309290 -
 108.55424 49.566782 -108.64803 49.400277 -108.35696 49.329114 -108.26120 49.497348 -
 109.31901 49.730181 -109.40798 49.567715 -109.13257 49.502822 -109.04192 49.666696 -
 110.04736<- 49.879429 -110.13215 49.720204 -109.86900 49.660391 -109.78274 49.820737 -
 110.70460 50.101381 -110.78615 49.944707 -110.53171 49.889502 -110.44881 50.047020 -
 111.39395 50.214993 -111.47223 50.060178 -111.22489 50.008178 -111.14543 50.163602 -
 112.06420 50.315866 -112.13963 50.162284 -111.89712 50.112888 -111.82067 50.266858 -
 112.72846 50.410942 -112.80138 50.258014 -112.56167 50.210781 -112.48786 50.363884 -
 112.72846))

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-113.38180	50.510248	-113.45255	50.357401	-113.21363	50.311948	-113.14211	50.464760
114.04726	50.603034	-114.11607	50.449688	-113.87601	50.405697	-113.80655	50.55879
-114.71474	50.682022	-114.78182	50.527596	-114.53872	50.484792	-114.47107	50.638755
115.39007	50.769362	-115.45564	50.613255	-115.20738	50.571372	-115.14132	50.726790
116.08788	50.853872	-116.15208	50.695427	-115.89638	50.654263	-115.83175	50.811776
116.80083	50.932489	-116.86380	50.771054	-116.59827	50.730441	-116.53493	50.890685
117.51977	51.115947	-117.58163	50.950726	-117.30295	50.909596	-117.24068	51.073321
118.30439	51.218902	-118.36510	51.049053	-118.07009	51.007786	-118.00896	51.175810
119.14064	51.323561	-119.20017	51.148108	-118.88457	51.106515	-118.82460	51.279764
-120.04149	51.430372	-120.09974	51.248182	-119.75823	51.206099	-119.69950	51.385641
121.02417	51.540178	-121.08092	51.349901	-120.70662	51.307215	-120.64929	51.494313
-122.11161	51.653347	-122.16651	51.453340	-121.75027	51.410023	-121.69464	51.606200
123.33462	51.769817	-123.38706	51.558033	-122.91628	51.514220	-122.86285	51.721357
-124.73688	51.889722	-124.78590	51.663537	-124.24250	51.619687	-124.19207	51.840166
126.38371	52.011336	-126.42771	51.767264	-125.78438	51.724500	-125.73827	51.961444
128.37866	52.130341	-128.41495	51.863535	-127.62748	51.824462	-127.58790	52.082133

--> OK : Navigation, voir [DR-1]

6.29. N1C_GGEOSONDANGLESMETOP

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<N1C_GGEOSONDANGLESMETOP : NB DIFF >

((125))

<N1C_GGEOSONDANGLESMETOP : INDICE >

((48.000000	50.000000	52.000000	54.000000	56.000000	58.000000	60.000000	62.000000
64.000000	66.000000	68.000000	70.000000	72.000000	73.000000	74.000000	76.000000
78.000000	79.000000	80.000000	81.000000))			

<N1C_GGEOSONDANGLESMETOP : ERREUR ABSOLUE>

((2.0000000e-06	1.0000000e-06	1.0000000e-06	1.0000000e-06	5.0000000e-06	4.0000000e-06	4.0000000e-06	4.0000000e-06
4.0000000e-06	2.0000000e-06	2.0000000e-06	2.0000000e-06	2.0000000e-06	6.4000000e-05	2.0000000e-05	2.0000000e-05
6.5000000e-05	6.5000000e-05	6.4000000e-05	2.0000000e-05	0.0001660000	2.0000000e-05))	

<N1C_GGEOSONDANGLESMETOP : DIFF MAX>

((0.0003400000))

<N1C_GGEOSONDANGLESMETOP : DIFF MOY>

((-1.7395833e-05))

<N1C_GGEOSONDANGLESMETOP : DIFF SIGMA>

((6.6472845e-05))

<N1C_GGEOSONDANGLESMETOP : DIFF MOY+-SIMA>

((-8.3868679e-05 4.9077012e-05))

output:

((...	290.56731	31.656213	289.47999	31.656548	292.06345	33.113652	292.24651
37.067607	27.766211	288.69537	27.766527	291.62130	29.207933	291.77431	
33.113309	289.76991	23.913237	287.88918	23.913533	291.26788	25.342470	291.38615
29.207610	288.98621	20.089273	287.02287	20.089552	291.02722	21.508559	291.09942
25.342168	288.19179	16.331848	283.41444	16.268917	288.32878	17.681100	288.53627
21.508275	287.35364	12.542194	281.98444	12.474611	288.37575	13.881056	288.52481
17.739240	284.00780	8.7979270	280.07497	8.7289140	289.19406	10.130775	289.14191
13.941988	282.77376	5.0526720	276.18679	4.9839090	292.15158	6.3791920	291.19926
10.190396	281.27489	1.4814930	251.80325	1.3388750	310.95356	2.6750470	298.61797
6.4330760	278.70618	2.6725960	121.16707	2.6723430	90.765616	1.3722620	75.487940
2.7491190	268.81773						
...))							

references:

((...	290.56731	31.656215	289.47999	31.656549	292.06345	33.113653	292.24651
37.067607							

33.113310	289.76991	27.766216	288.69537	27.766531	291.62130	29.207937
291.77431	29.207614	23.913239	287.88918	23.913535	291.26788	25.342472
291.38615	25.342170	20.089337	287.02289	20.089617	291.02722	21.508624
291.09942	21.508339	16.332014	283.41446	16.269083	288.32876	17.681266
288.53624	17.739407	12.542321	281.98450	12.474739	288.37575	13.881184
288.52481	13.942115	282.77382	8.7979940	280.07503	8.7289820	289.19405
10.130843	289.14190	10.190464	5.0527110	276.18686	4.9839490	292.15153
6.3792310	291.19923	6.4331160	1.4815070	251.80359	1.3388900	310.95325
2.6750630	298.61788	2.7491350	2.6725980	121.16700	2.6723460	90.765574
1.3722650	75.487895					
...))						

--> OK : Navigation, voir [DR-1]

6.30. N1C_GGEOIISANGLESMETOP

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<N1C_GGEOIISANGLESMETOP : NB DIFF >

((812))

<N1C_GGEOIISANGLESMETOP : INDICE >

((300.00000	301.00000	302.00000	303.00000	304.00000	305.00000	306.00000	307.00000
308.00000	309.00000	310.00000	311.00000	312.00000	313.00000	314.00000	315.00000
316.00000	318.00000	319.00000	320.00000))			

<N1C_GGEOIISANGLESMETOP : ERREUR ABSOLUE>

((0.00021200000	4.0000000e-05	0.00021200000	3.0000000e-05	0.00021600000	1.0000000e-05	0.00021500000
1.0000000e-05	0.00020700000	2.0000000e-05	2.9000000e-05	2.0000000e-05	3.2000000e-05	1.0000000e-05
2.4000000e-05	1.0000000e-05	2.2000000e-05	2.1000000e-05	1.0000000e-05	3.0000000e-06))

<N1C_GGEOIISANGLESMETOP : DIFF MAX>

((0.0035500000))

<N1C_GGEOIISANGLESMETOP : DIFF MOY>

((-1.5237333e-05))

<N1C_GGEOIISANGLESMETOP : DIFF SIGMA>

((0.00013392855))

<N1C_GGEOIISANGLESMETOP : DIFF MOY+-SIMA>

((-0.00014916589 0.00011869122))

output:

((...

294.47181	34.420154	288.06050	34.386051	289.56519	34.373313	291.17270	34.384997
292.78074	34.421082	294.38722	34.360862<--	288.04024	34.325389		289.54753
34.312021							
291.15754	34.324490	292.76819	34.361378	294.37750	33.438390	287.80524	33.401508
289.35109	33.388198	291.00288	33.401290	292.65508	33.439656	294.30546	32.457836
287.55293		32.421144	289.14239	32.407449	290.84091	32.419828	292.53994
32.458624	294.23705	31.480170	287.29753	31.442569	288.93331	31.428073	290.68164
31.441999	292.43034	31.481610	294.17659	30.506836		287.03816	30.467660
288.72402	30.453012	290.52428	30.466824	292.32614	30.507517	294.12562	30.447179
287.01866	30.406926	288.70597	30.392257	290.51032	30.405886	292.31597	30.448208
294.11822		29.535893	286.77055	29.495528	288.50840	29.479925	290.36571
29.494170	292.22350	29.536889	294.07815	28.566341	286.50208	28.524700	288.29590
28.508404	290.21329	28.523206	292.13126	28.567799		294.04583	27.600771
286.22765	27.557357	288.08123	27.540220	290.06272	27.555224	292.04517	27.601610
...))							

references:

((...							
294.47181	34.420154	288.06050	34.386051	289.56519	34.373313	291.17270	34.384997
292.78074	34.421082	294.38722	34.361074<--	288.04028	34.325601		289.54756

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34.312237	291.15755	34.324705	292.76820	34.361585	294.37748	33.438419	287.80526
33.401540	289.35110	33.388222	291.00287	33.401312	292.65508	33.439677	294.30547
32.457839	287.55293		32.421148	289.14240	32.407453	290.84091	32.419832
292.53994	32.458627	294.23705	31.480171	287.29753	31.442574	288.93331	31.428079
290.68164	31.441999	292.43034	31.481610	294.17660	30.506990	287.03822	30.467816
288.72404	30.453169	290.52431	30.466986	292.32614	30.507673	294.12560	30.447300
287.01866	30.407038	288.70599	30.392377	290.51032	30.405998	292.31595	30.448331
294.11820		29.536038	286.77059	29.495669	288.50842	29.480062	290.36572
29.494312	292.22349	29.537022	294.07815	28.566342	286.50207	28.524702	288.29590
28.508406	290.21329	28.523207	292.13126	28.567801		294.04583	27.600768
286.22764	27.557356	288.08123	27.540223	290.06273	27.555226	292.04518	27.601608

--> OK : Navigation, voir [DR-1]

6.31. N1C_GGEOSONDANGLESSUN

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<N1C_GGEOSONDANGLESSUN : NB DIFF >

((105))

<N1C_GGEOSONDANGLESSUN : INDICE >

((

56.000000	58.000000	60.000000	64.000000	72.000000	73.000000	74.000000	75.000000
76.000000	77.000000	78.000000	79.000000	80.000000	81.000000	82.000000	83.000000
84.000000	85.000000	86.000000	87.000000				

<N1C_GGEOSONDANGLESSUN : ERREUR ABSOLUE>

1.0000000e-06	1.0000000e-06	1.0000000e-06	1.0000000e-06	1.0000000e-06	5.0000000e-06	1.0000000e-05	6.0000000e-06
1.0000000e-05	6.0000000e-06	2.0000000e-05	6.0000000e-06	2.0000000e-05	1.4000000e-05	4.0000000e-05	
1.3000000e-05	4.0000000e-05	1.4000000e-05	5.0000000e-05	1.3000000e-05	4.0000000e-05		

<N1C_GGEOSONDANGLESSUN : DIFF MAX>

((8.0000000e-05))

<N1C_GGEOSONDANGLESSUN : DIFF MOY>

((1.1291667e-06))

<N1C_GGEOSONDANGLESSUN : DIFF SIGMA>

((1.7029264e-05))

<N1C_GGEOSONDANGLESSUN : DIFF MOY+-SIMA>

((1.8158430e-05 -1.5900097e-05))

output:

((...

35.285415	155.99497	35.155452	155.73651	35.000516	156.19036	35.132780	156.45335
35.668869	154.81231	35.544394	154.56468	35.399226	154.98367	35.525617	155.23514
36.030852	153.71173	35.910952	153.47328	35.773510	153.86473	35.895006	154.10644
36.375804	152.67553	36.259710		152.44486	36.128322	152.81456	36.245740
153.04800	36.768766	151.80877	36.655658	151.58480	36.529505	151.93869	36.643666
152.16509	37.080106	150.83776	36.969587	150.61928	36.846662	150.95971	36.958033

references:

((...

35.285415	155.99497	35.155452	155.73651	35.000516	156.19036	35.132780	156.45335
35.668868	154.81231	35.544393	154.56468	35.399225	154.98367	35.525617	155.23514
36.030851	153.71173	35.910952	153.47328	35.773510	153.86473	35.895006	154.10644
36.375799	152.67554	36.259704		152.44486	36.128316	152.81458	36.245734
36.768752	151.80881	36.655645	151.58484	36.529491	151.93874	36.643653	152.16513
37.080095	150.83779	36.969577	150.61931	36.846651	150.95974	36.958022	

--> OK : Navigation, voir [DR-1]

Référence : -

6.32. N1C_GGEOIISANGLESSUN

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<N1C_GGEOIISANGLESSUN : NB DIFF >
((654))

<N1C_GGEOIISANGLESSUN : INDICE >
((300.00000 301.00000 302.00000 303.00000 304.00000 305.00000 306.00000 307.00000))

308.00000 309.00000 310.00000 311.00000 312.00000 313.00000 314.00000 315.00000
<N1C_GGEOIISANGLESSUN : ERREUR ABSOLUE>
((2.2000000e-05 7.0000000e-05 2.2000000e-05 7.0000000e-05 2.2000000e-05 7.0000000e-05 2.3000000e-05))

7.0000000e-05 2.1000000e-05 7.0000000e-05 4.0000000e-06 1.0000000e-05 4.0000000e-06 2.0000000e-05
<N1C_GGEOIISANGLESSUN : DIFF MAX>
((8.0000000e-05))

<N1C_GGEOIISANGLESSUN : DIFF MOY>
((7.4000000e-08))

<N1C_GGEOIISANGLESSUN : DIFF SIGMA>
((1.3793979e-05))

<N1C_GGEOIISANGLESSUN : DIFF MOY+-SIMA>
((1.3867979e-05 -1.3719979e-05))

output:

((...
34.852308 156.57229 34.762030 156.39244 35.114643<-- 157.06298 35.029913 156.89427
34.939630 156.71464 34.849311 156.53536 34.759035 156.35582 35.212287 156.76141
35.128580 156.59453 35.039283 156.41708 34.949978 156.23992 34.860720 156.06258
35.314615 156.44681 35.231783 156.28238 35.143546 156.10704 35.055414
...))

references:

((...
34.852308 156.57229 34.762030 156.39244 35.114621<-- 157.06305 35.029891 156.89434
34.939608 156.71471 34.849288 156.53543 34.759014 156.35589 35.212283 156.76142
35.128576 156.59455 35.039281 156.41709 34.949976 156.23993 34.860718 156.06259
35.314615 156.44681 35.231783 156.28238 35.143546 156.10704 35.055414
...))

--> OK : Navigation, voir [DR-1]

6.33. N1C_GGEOIISLOC

<< ALGO_OPS_N_16_J9/GRAN1/MDR1 >>

<N1C_GGEOIISLOC : NB DIFF >
((587))

<N1C_GGEOIISLOC : INDICE >
((300.00000 301.00000 302.00000 303.00000 304.00000 305.00000 306.00000 307.00000))

308.00000 309.00000 310.00000 311.00000 312.00000 313.00000 314.00000 315.00000
<N1C_GGEOIISLOC : ERREUR ABSOLUE>
((5.0000000e-05 1.0000000e-05 4.0000000e-05 1.0000000e-05 5.0000000e-05 1.0000000e-05 4.0000000e-05))

1.1000000e-05 4.0000000e-05 9.0000000e-06 3.0000000e-06 1.0000000e-05 1.0000000e-06 1.0000000e-06
<N1C_GGEOIISLOC : DIFF MAX>
((7.0000000e-05))

<N1C_GGEOIISLOC : DIFF MOY>
((4.2666667e-07))

<N1C_GGEOIISLOC : DIFF SIGMA>

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```
(( 9.8768731e-06 ))
<N1C_GGEOIISLOC : DIFF MOY+-SIMA>
(( 1.0303540e-05 -9.4502064e-06 ))
```

output:

```
(( ...
-107.26352 49.050389 -107.33265 48.932195 -107.07818<-- 49.387850 -107.14463 49.277390
-107.21479 49.159537 -107.28411 49.041525 -107.35299 48.923341 -107.28270
49.437270 -107.34823 49.327727 -107.41723 49.210790 -107.48547 49.093719 -107.55324
48.976492 -107.49684 49.488545 -107.56103 49.379864 -107.62894 49.263896 -
107.69637 49.147845 -107.76327 49.031627 -107.70714 49.538491 -107.77027 49.430667 -
107.83723 49.315630 -107.90340 49.200460 -107.96939 49.085216 -107.91347 49.587143
-107.97575 49.480097 -108.04161 49.365984 -108.10693 49.251700 -108.17204 49.137314
-107.93313 49.577866 -107.99548 49.471012 -108.06127 49.356908 -108.12656 49.242662 -
108.19124 49.128291 -108.12350 49.622408 -108.18478 49.516169 -108.24977 49.402861 -
108.31412 49.289444 -108.37812 49.175923 -108.32346 49.668748 -108.38383 49.563256 -
108.44793 49.450757
... ))
```

references:

```
-107.26352 49.050389 -107.33265 48.932195 -107.07813 49.387840 -107.14459 49.277380 -
107.21474 49.159527 -107.28407 49.041514 -107.35295 48.923332 -107.28270 49.437267 -
107.34822 49.327726 -107.41723 49.210789 -107.48547 49.093718 -107.55323 48.976490 -
107.49684 49.488545 -107.56103 49.379864 -107.62894 49.263896 -107.69637 49.147845 -
107.76327 49.031627 -107.70714 49.538491 -107.77027 49.430666 -107.83723 49.315630 -
107.90340 49.200460 -107.96939 49.085215 -107.91344 49.587134 -107.97571 49.480091 -
-108.04157 49.365976 -108.10689 49.251693 -108.12654 49.137308 -107.93310 49.577862 -
107.99546 49.471007 -108.06124 49.356902 -108.17201 49.242658 -108.19121 49.128287 -
-108.12347 49.622401 -108.18475 49.516163 -108.24974 49.402856 -108.31409 49.289438 -
108.37809 49.175916 -108.32346 49.668748 -108.38383 49.563256 -108.44793 49.450757
... ))
```

--> OK : Navigation, voir [DR-1]

6.34. N1C_DATEDEB

<< ALGO_OPS_N_16_J9/GRAN4/MDR7 >>

<N1C_DATEDEB : NB DIFF >

((1))

<N1C_DATEDEB : INDICE >

((1))

<N1C_DATEDEB : ERREUR ABSOLUE>

((-1))

<N1C_DATEDEB : DIFF MAX>

((1))

<N1C_DATEDEB : DIFF MOY>

((-0.50000000))

<N1C_DATEDEB : DIFF SIGMA>

((0.50000000))

<N1C_DATEDEB : DIFF MOY+-SIMA>

((-1.0000000 0.0000000))

output:

((950 66630769))

references:

((950 66630770))

--> OK : Arrondi machine.

6.35. N1C_GEPSLOCIASIAVHRR

<< ALGO_OPS_N_16_J9/GRAN1/MDR4 >>

<N1C_GEPSLOCIASIAVHRR_IASI : NB DIFF >

((70))

<N1C_GEPSLOCIASIAVHRR_IASI : INDICE >

49.000000	51.000000	53.000000	55.000000	57.000000	59.000000	61.000000	63.000000
65.000000	67.000000	69.000000	71.000000	73.000000	75.000000	77.000000	79.000000
81.000000	83.000000	85.000000	87.000000				

<N1C_GEPSLOCIASIAVHRR_IASI : ERREUR ABSOLUE>

0.0024000000	0.0024000000	0.0010000000	0.0011000000	0.0028000000	0.0028000000	0.0016000000	
0.0017000000	0.0022000000	0.0023000000	0.0020000000	0.0021000000	0.0002000000	0.0002000000	
0.0011000000	0.0012000000	0.0024000000	0.0017000000	0.0017000000	0.0016000000		

<N1C_GEPSLOCIASIAVHRR_IASI : DIFF MAX>

((0.0034100000))

<N1C_GEPSLOCIASIAVHRR_IASI : DIFF MOY>

((8.9416667e-05))

<N1C_GEPSLOCIASIAVHRR_IASI : DIFF SIGMA>

((0.00078249845))

<N1C_GEPSLOCIASIAVHRR_IASI : DIFF MOY+-SIMA>

((0.00087191512 -0.00069308178))

output:

1560.3328	2532.0000	1537.4020	5707.0000	1537.4374	5878.0000	1560.3716	2850.0000
1498.6638	2376.0000	1475.7251	5516.0000	1475.7567	5683.0000	1498.6986	2688.0000
1436.9747	2342.0000	1414.0424	5335.0000	1414.0717	5382.0000	1437.0085	2531.0000
1375.3063	688.00000	1290.0089	3378.0000	1290.0311	3533.0000	1312.9746	836.00000
1312.9641	1003.0000	1228.9195	3683.0000	1228.9202	3836.0000	1251.8627	1037.0000
1251.8607	1169.0000	1167.0579	3838.0000	1167.0760	3876.0000	1190.0100	1204.0000
1190.0066	...						

references:

1560.3317	2532.0000	1537.3996	5707.0000	1537.4350	5878.0000	1560.3706	2850.0000
1498.6621	2376.0000	1475.7223	5516.0000	1475.7539	5683.0000	1498.6970	2688.0000
1436.9726	2342.0000	1414.0402	5335.0000	1414.0694	5382.0000	1437.0065	2531.0000
1375.3051	688.00000	1290.0113	3378.0000	1290.0335	3533.0000	1312.9763	836.00000
1312.9657	1003.0000	1228.9214	3683.0000	1228.9222	3836.0000	1251.8641	1037.0000
1251.8622	1169.0000	1167.0590	3838.0000	1167.0771	3876.0000	1190.0108	1204.0000
1190.0074	...						

--> OK : Navigation, voir [DR-1]

6.36. N1C_GEPSLOCIASIAVHRR_IIS

<< ALGO_OPS_N_16_J9/GRAN1/MDR4 >>

<N1C_GEPSLOCIASIAVHRR_IIS : NB DIFF >

((410))

<N1C_GEPSLOCIASIAVHRR_IIS : INDICE >

301.000000	303.000000	305.000000	307.000000	309.000000	321.000000	323.000000	325.000000
327.000000	329.000000	331.000000	333.000000	335.000000	337.000000	339.000000	341.000000
343.000000	345.000000	347.000000	349.000000				

<N1C_GEPSLOCIASIAVHRR_IIS : ERREUR ABSOLUE>

0.0018000000	0.0018000000	0.0017000000	0.0016000000	0.0017000000	0.0008000000	0.0008000000	
0.0008000000	0.0009000000	0.0008000000	0.0030000000	0.0030000000	0.0030000000	0.0030000000	
0.0030000000	0.0018000000	0.0018000000	0.0018000000	0.0018000000	0.0018000000		

<N1C_GEPSLOCIASIAVHRR_IIS : DIFF MAX>

((0.0030000000))

<N1C_GEPSLOCIASIAVHRR_IIS : DIFF MOY>

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```
(( 8.3466667e-06 ))
<N1C_GEPSLOCIAIAVHRR_IIS : DIFF SIGMA>
(( 0.00059603932 ))
<N1C_GEPSLOCIAIAVHRR_IIS : DIFF MOY+-SIMA>
(( 0.00060438598 -0.00058769265 ))
```

```
output:
(( ... 1579.2258 2354.0000 1579.2173 4502.0000 1579.2280 6533.0000
1579.2711 8681.0000 1579.3340 343.00000 1564.7832 2213.0000 1564.7774 4354.0000
1564.7816 6379.0000 1564.8207 8521.0000 1564.8932 206.00000 1549.3475 2186.0000
1549.3474 4206.0000 1549.3633 6340.0000 1549.3937 8360.0000 1549.4596 184.00000
1533.9163 2043.0000 1533.9233 4173.0000 1533.9344 6186.0000 1533.9696 8201.0000
1534.0199 47.000000 1518.4977 2016.0000 1518.5073 4025.0000 1518.5222
6033.0000 1518.5555 8042.0000 1518.5992 342.00000 1517.5602 2197.0000 1517.5482
4205.0000 1517.5634 6213.0000 ... ))
```

```
references:
(( ... 1579.2240 2354.0000 1579.2155 4502.0000 1579.2263 6533.0000
1579.2695 8681.0000 1579.3323 343.00000 1564.7832 2213.0000 1564.7774 4354.0000
1564.7816 6379.0000 1564.8207 8521.0000 1564.8932 206.00000 1549.3467 2186.0000
1549.3466 4206.0000 1549.3625 6340.0000 1549.3928 8360.0000 1549.4588 184.00000
1533.9133 2043.0000 1533.9203 4173.0000 1533.9314 6186.0000 1533.9666 8201.0000
1534.0169 47.000000 1518.4959 2016.0000 1518.5055 4025.0000 1518.5204
6033.0000 1518.5537 8042.0000 1518.5974 342.00000 1517.5579 2197.0000 1517.5459
4205.0000 1517.5611 6213.0000 ... ))
```

--> OK : Navigation, voir [DR-1]

6.37. VIADRENG_DATEFIN

<< o14572/GRAN1/VIADR25 >>

```
<VIADRENG_DATEFIN : NB DIFF >
(( 1 ))
<VIADRENG_DATEFIN : INDICE >
(( 1 ))
<VIADRENG_DATEFIN : ERREUR ABSOLUE>
((-1 ))
<VIADRENG_DATEFIN : DIFF MAX>
(( 1 ))
<VIADRENG_DATEFIN : DIFF MOY>
(( 0.50000000 ))
<VIADRENG_DATEFIN : DIFF SIGMA>
(( 0.50000000 ))
<VIADRENG_DATEFIN : DIFF MOY+-SIMA>
(( 1.0000000 0.0000000 ))
```

```
output:
(( 3509 36820410 ))
```

```
references:
(( 3509 36820409 ))
```

--> OK : Arrondi machine.

6.38. ENG_DATEFIN

<< o14572/GRAN1/MDR180 >>

<ENG_DATEFIN : NB DIFF >

Référence : -

```
(( 1 ))
<ENG_DATEFIN : INDICE >
(( 1 ))
<ENG_DATEFIN : ERREUR ABSOLUE>
((-1 ))
<ENG_DATEFIN : DIFF MAX>
( 1 ))
<ENG_DATEFIN : DIFF MOY>
(( 0.50000000 ))
<ENG_DATEFIN : DIFF SIGMA>
(( 0.50000000 ))
<ENG_DATEFIN : DIFF MOY+-SIMA>
(( 1.0000000 0.0000000 ))
```

output:

```
(( 3509 36316423 ))
```

references:

```
(( 3509 36316422 ))
```

--> OK : Arrondi machine.

6.39. VIADRENG_DATEDEB

<< ALGO_OPS_N_16_J9/GRAN1/VIADR1 >>

```
<VIADRENG_DATEDEB : NB DIFF >
(( 1 ))
<VIADRENG_DATEDEB : INDICE >
(( 1 ))
<VIADRENG_DATEDEB : ERREUR ABSOLUE>
((-1 ))
<VIADRENG_DATEDEB : DIFF MAX>
(( 1 ))
<VIADRENG_DATEDEB : DIFF MOY>
((-0.50000000 ))
<VIADRENG_DATEDEB : DIFF SIGMA>
(( 0.50000000 ))
<VIADRENG_DATEDEB : DIFF MOY+-SIMA>
((-1.0000000 0.0000000 ))
```

output:

```
(( 950 66550769 ))
```

references:

```
(( 950 66550770 ))
```

--> OK : Arrondi machine.

6.40. ENG_GFTBBBTRES

<< ALGO_OPS_N_08_J0/GRAN1/MDR14 >>

```
<ENG_GFTBBBTRES : NB DIFF >
(( 1 ))
<ENG_GFTBBBTRES : INDICE >
(( 0.0000000 ))
<ENG_GFTBBBTRES : ERREUR ABSOLUE>
(( 1.3822223e-14 ))
<ENG_GFTBBBTRES : DIFF MAX>
```

Référence : -

```
(( 1.3822223e-14 ))
<ENG_GFTBBBTRES : DIFF MOY>
(( 1.3822223e-14 ))
<ENG_GFTBBBTRES : DIFF SIGMA>
(( 8.6248884e-23 ))
<ENG_GFTBBBTRES : DIFF MOY+-SIMA>
(( 1.3822223e-14 1.3822223e-14 ))
```

output:

```
(( 7.0665642e-14 ))
```

references:

```
(( 5.6843419e-14 ))
```

--> OK : Arrondi machine.

<< ALGO_OPS_N_08_J0/GRAN1/MDR14 >>

6.41. ENG_GSSDWNShift

```
<ENG_GSSDWNShift : INDICE >
(( 114.00000 ))
<ENG_GSSDWNShift : ERREUR ABSOLUE>
(( 1.0000000e-06 ))
<ENG_GSSDWNShift : DIFF MAX>
(( 1.0000000e-06 ))
<ENG_GSSDWNShift : DIFF MOY>
(( -8.3333333e-09 ))
<ENG_GSSDWNShift : DIFF SIGMA>
(( 9.0905934e-08 ))
<ENG_GSSDWNShift : DIFF MOY+-SIMA>
(( -9.9239268e-08 8.2572601e-08 ))
```

output:

```
((
28.978199 29.829425 30.309428 30.058269 29.112231 29.856468 30.865132 29.881363
28.845974 29.983409 30.468664 29.811397 28.743707 30.024377 30.512692 29.650635
28.807252 30.100557 30.544343 29.983974 28.747202 30.016028 30.730436
29.983441 28.418822 29.765187 30.656245 29.760421 28.689594 30.124061 30.640269
30.025297 28.680447 30.206312 30.934741 30.129672 28.523478 30.113995 30.745925
29.486136 28.555080 30.243632 30.644496 30.131597 28.794432 30.052914 30.652470
29.472183 28.360408 29.814120 30.593905 29.883651 28.859873 29.653206 30.471931
29.581203 28.821383 29.742479 30.932022 30.060825 28.610355 29.795147 30.423010
29.725410 28.871738 29.667624 30.827280 29.718826 28.751927 29.766950 30.935713
29.570351 28.744181 29.589545 31.079649 29.086265 29.167277 29.720484 30.757917
29.655024 28.848174 29.494998 30.513536 29.592160 29.050039 29.394736 30.944534
29.442975 29.081421 29.678554 30.497659 29.374974 29.080959 30.161576 30.060283
29.347439 29.049551 29.599579 30.653191 29.975474 29.073988 29.738410 30.508384
29.495684 29.073797 29.599544 31.079674 29.399885 29.073810 29.248790 30.747531
29.400271 29.074038 29.529086 30.617960<-- 29.546686 29.074182 29.567840
30.853251 29.472181
))
```

references:

```
((
28.978199 29.829425 30.309428 30.058269 29.112231 29.856468 30.865132 29.881363
28.845974 29.983409 30.468664 29.811397 28.743707 30.024377 30.512692 29.650635
28.807252 30.100557 30.544343 29.983974 28.747202 30.016028 30.730436
29.983441 28.418822 29.765187 30.656245 29.760421 28.689594 30.124061 30.640269
30.025297 28.680447 30.206312 30.934741 30.129672 28.523478 30.113995
30.745925 29.486136 28.555080 30.243632 30.644496 30.131597 28.794432 30.052914
30.652470 29.472183 28.360408 29.814120 30.593905 29.883651 28.859873 29.653206
```

30.471931	29.581203	28.821383	29.742479	30.932022	30.060825	28.610355	29.795147
30.423010	29.725410	28.871738	29.667624	30.827280	29.718826	28.751927	29.766950
30.935713	29.570351	28.744181	29.589545	31.079649		29.086265	29.167277
29.720484	30.757917	29.655024	28.848174	29.494998	30.513536	29.592160	29.050039
29.394736	30.944534	29.442975	29.081421	29.678554	30.497659	29.374974	29.080959
30.161576		30.060283	29.347439	29.049551	29.599579	30.653191	29.975474
29.073988	29.738410	30.508384	29.495684	29.073797	29.599544	31.079674	29.399885
29.073810	29.248790	30.747531	29.400271	29.074038		29.529086	30.617961<--
29.546686	29.074182	29.567840	30.853251	29.472181)		

--> OK : Arrondi machine.

6.42. N1C_GCCSIMAGECLASSIFIEDFIRSTCOL

<< ALGO_OPS_N_08_J0/GRAN14/MDR14 >>

```

<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : NB DIFF >
(( 1 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : INDICE >
(( 29.000000 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : ERREUR ABSOLUE>
(( 1.000000 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : DIFF MAX>
(( 1.000000 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : DIFF MOY>
(( 0.03333333 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : DIFF SIGMA>
(( 0.17950549 ))
<N1C_GCCSIMAGECLASSIFIEDFIRSTCOL : DIFF MOY+-SIMA>
(( 0.21283883 -0.14617216 ))

```

output:

1887.0000	1825.0000	1764.0000	1702.0000	1640.0000	1579.0000	1517.0000	1455.0000
1394.0000	1332.0000	1271.0000	1209.0000	1147.0000	1086.0000	1024.0000	962.0000
901.0000	839.0000	777.0000	716.0000	654.0000	592.0000	531.0000	469.0000
408.0000	346.0000	284.0000	223.0000	161.0000	100.0000<--)	

references:

1887.0000	1825.0000	1764.0000	1702.0000	1640.0000	1579.0000	1517.0000	1455.0000
1394.0000	1332.0000	1271.0000	1209.0000	1147.0000	1086.0000	1024.0000	962.0000
901.0000	839.0000	777.0000	716.0000	654.0000	592.0000	531.0000	469.0000
408.0000	346.0000	284.0000	223.0000	161.0000	99.000000<--)	

--> OK : Arrondi machine.

6.43. ENG_GEUMAVHRR1BCLDFRAC

<< o14571/GRAN1/MDR100 >>

```

<ENG_GEUMAVHRR1BCLDFRAC : NB DIFF >
(( 1 ))
<ENG_GEUMAVHRR1BCLDFRAC : INDICE >
(( 108 ))
<ENG_GEUMAVHRR1BCLDFRAC : ERREUR ABSOLUE>
((-1 ))
<ENG_GEUMAVHRR1BCLDFRAC : DIFF MAX>
(( 1 ))
<ENG_GEUMAVHRR1BCLDFRAC : DIFF MOY>
((-0.008333333 ))

```

Référence : -

<ENG_GEUMAVHRR1BCLDFRAC : DIFF SIGMA>
 ((0.090905934))
 <ENG_GEUMAVHRR1BCLDFRAC : DIFF MOY+-SIMA>
 ((-0.099239268 0.082572601))

output:
 ((100 100 100 100 87 100 100 100 34 0 18 46 100 94 18 100 98 100 100
 100 100 100 100 100 100 100 100 100 34 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 66 62 89 59 76 64 4 74 99 90 99 100 76 2 98 27 46<-- 96 82 5 0
 83 68 21 0 0 0 0))

references:
 ((100 100 100 100 87 100 100 100 34 0 18 46 100 94 18 100 98 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 66 62 89 59 76 64 4 74 99 90 99 100 76 2 98 27 47<-- 96 82
 5 0 83 68 21 0 0 0 0))

--> OK : Arrondi machine.

6.44. ENG_GEUMAVHRR1BLANDFRAC

<< 014571/GRAN1/MDR130 >>

<ENG_GEUMAVHRR1BLANDFRAC : NB DIFF >
 ((1))
 <ENG_GEUMAVHRR1BLANDFRAC : INDICE >
 ((108))
 <ENG_GEUMAVHRR1BLANDFRAC : ERREUR ABSOLUE>
 ((-1))
 <ENG_GEUMAVHRR1BLANDFRAC : DIFF MAX>
 ((1))
 <ENG_GEUMAVHRR1BLANDFRAC : DIFF MOY>
 ((-0.0083333333))
 <ENG_GEUMAVHRR1BLANDFRAC : DIFF SIGMA>
 ((0.090905934))
 <ENG_GEUMAVHRR1BLANDFRAC : DIFF MOY+-SIMA>
 ((-0.099239268 0.082572601))

output:
 ((100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 69<-- 0 63 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0))

references:
 ((100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100
 70<-- 0 63 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0))

--> OK : Arrondi machine.

6.45. ENG_GFAXAXEY

<< o14571/GRAN1/MDR310 >>

```
(( 1 ))
<ENG_GFAXAXEY : INDICE >
(( 0.0000000 ))
<ENG_GFAXAXEY : ERREUR ABSOLUE>
(( 1.0000000e-10 ))
<ENG_GFAXAXEY : DIFF MAX>
(( 1.0000000e-10 ))
<ENG_GFAXAXEY : DIFF MOY>
(( 5.0000000e-11 ))
<ENG_GFAXAXEY : DIFF SIGMA>
(( 5.0000000e-11 ))
<ENG_GFAXAXEY : DIFF MOY+-SIMA>
(( 1.0000000e-10 0.0000000 ))
```

output:

```
(( -0.0082391869 -0.0072535843 ))
```

references:

```
(( -0.0082391870 -0.0072535843 ))
```

--> OK : Arrondi machine.

6.46. N1C_GCCSIMAGECLASSIFIEDNBLIN

<< o14571/GRAN1/MDR590 >>

```
(( 1 ))
<N1C_GCCSIMAGECLASSIFIEDNBLIN : INDICE >
(( 2 ))
<ENG_GCCSIMAGECLASSIFIEDNBLIN : ERREUR ABSOLUE>
(( 1 ))
<ENG_GCCSIMAGECLASSIFIEDNBLIN : DIFF MAX>
(( 1 ))
<ENG_GCCSIMAGECLASSIFIEDNBLIN : DIFF MOY>
(( 0.033333333 ))
<ENG_GCCSIMAGECLASSIFIEDNBLIN : DIFF SIGMA>
(( 0.17950549 ))
<ENG_GCCSIMAGECLASSIFIEDNBLIN : DIFF MOY+-SIMA>
(( 0.21283883 -0.14617216 ))
```

output:

```
(( ... 71 ... ))
```

references:

```
(( ... 70 ... ))
```

--> OK.

6.47. ENG_GFAXAXEZ

Référence : -

<< o14571/GRAN1/MDR600 >>

<ENG_GFAXAXEZ : NB DIFF >

((1))

<ENG_GFAXAXEZ : INDICE >

((0.0000000))

<ENG_GFAXAXEZ : ERREUR ABSOLUE>

((1.0000000e-09))

<ENG_GFAXAXEZ : DIFF MAX>

((1.0000000e-09))

<ENG_GFAXAXEZ : DIFF MOY>

((-5.0000000e-10))

<ENG_GFAXAXEZ : DIFF SIGMA>

((5.0000000e-10))

<ENG_GFAXAXEZ : DIFF MOY+-SIMA>

((-1.0000000e-09 0.0000000))

output:

((-0.027434831 -0.027137541))

references:

((-0.027434830 -0.027137541))

→ OK : Arrondi machine.

6.48. ENG_GIACAVGIMAGIIS

<< o14571/GRAN1/MDR610 >>

<ENG_GIACAVGIMAGIIS : NB DIFF >

((1))

<ENG_GIACAVGIMAGIIS : INDICE >

((2.0000000))

<ENG_GIACAVGIMAGIIS : ERREUR RELATIVE>

((1.1540716e-08))

<ENG_GIACAVGIMAGIIS : DIFF MAX>

((1.1540716e-08))

<ENG_GIACAVGIMAGIIS : DIFF MOY>

((3.8469055e-10))

<ENG_GIACAVGIMAGIIS : DIFF SIGMA>

((2.0716220e-09))

<ENG_GIACAVGIMAGIIS : DIFF MOY+-SIMA>

((2.4563125e-09 -1.6869314e-09))

output:

((0.00067432626 0.00086090160 0.00086649734 <-- 0.00086335143 0.00081414907 0.00070255722
 0.00065390639 0.00066062118 0.00074113322 0.00076855069 0.00077489979 0.00077505883 0.00079406596
 0.00081256789 0.00080018846 0.00073593386 0.00072631237 0.00080894910 0.00081488520 0.00079104493
 0.00079074139 0.00079058722 0.00081757353 0.00083263829 0.00083297295 0.00083658406 0.00083202850
 0.00084694873 0.00084733361 0.00085739590))

references:

((0.00067432626 0.00086090160 0.00086649733 <-- 0.00086335143 0.00081414907 0.00070255722
 0.00065390639 0.00066062118 0.00074113322 0.00076855069 0.00077489979 0.00077505883 0.00079406596
 0.00081256789 0.00080018846 0.00073593386 0.00072631237 0.00080894910 0.00081488520 0.00079104493
 0.00079074139 0.00079058722 0.00081757353 0.00083263829 0.00083297295 0.00083658406 0.00083202850
 0.00084694873 0.00084733361 0.00085739590))

--> OK : Arrondi machine.

6.49. ENG_GIACVARIMAGIIS

<< o14571/GRAN1/MDR110 >>

```
<ENG_GIACVARIMAGIIS : NB DIFF >
(( 1 ))
<ENG_GIACVARIMAGIIS : INDICE >
(( 22.000000 ))
<ENG_GIACVARIMAGIIS : ERREUR RELATIVE>
(( 1.1946637e-08 ))
<ENG_GIACVARIMAGIIS : DIFF MAX>
(( 1.1946637e-08 ))
<ENG_GIACVARIMAGIIS : DIFF MOY>
(( -3.9822124e-10 ))
<ENG_GIACVARIMAGIIS : DIFF SIGMA>
(( 2.1444870e-09 ))
<ENG_GIACVARIMAGIIS : DIFF MOY+-SIMA>
(( -2.5427082e-09 1.7462658e-09 ))
```

output:

```
((
9.5661454e-05 7.4609496e-05 9.0699412e-05 7.5165297e-05 5.4044855e-05 4.8410084e-05 4.0150786e-05
2.5643972e-05 5.1750454e-05 4.3388920e-05 0.00014372122 2.2951578e-05 7.4616012e-05 0.00011630347
0.00013194438 0.00011439934 2.8383837e-05 2.8251045e-05 5.4705443e-05 0.00010722165 0.00014709991
8.2586973e-05 8.3705564e-05<- 0.00010833989 0.00012418427 9.5003175e-05 4.8628510e-05 9.9767333e-05
5.9141451e-05 0.00010328565
))
```

references:

```
((
9.5661454e-05 7.4609496e-05 9.0699412e-05 7.5165297e-05 5.4044855e-05 4.8410084e-05 4.0150786e-05
2.5643972e-05 5.1750454e-05 4.3388920e-05 0.00014372122 2.2951578e-05 7.4616012e-05 0.00011630347
0.00013194438 0.00011439934 2.8383837e-05 2.8251045e-05 5.4705443e-05 0.00010722165 0.00014709991
8.2586973e-05 8.3705564e-05<- 0.00010833989 0.00012418427 9.5003175e-05 4.8628510e-05 9.9767333e-05
5.9141451e-05 0.00010328565
))
```

--> OK : Arrondi machine.

6.50. ENG_GIAXAXEY

<< o14571/GRAN1/MDR120 >>

```
<ENG_GIAXAXEY : NB DIFF >
(( 1 ))
<ENG_GIAXAXEY : INDICE >
(( 0.000000 ))
<ENG_GIAXAXEY : ERREUR ABSOLUE>
(( 1.0000000e-10 ))
<ENG_GIAXAXEY : DIFF MAX>
(( 1.0000000e-10 ))
<ENG_GIAXAXEY : DIFF MOY>
(( 5.0000000e-11 ))
<ENG_GIAXAXEY : DIFF SIGMA>
(( 5.0000000e-11 ))
<ENG_GIAXAXEY : DIFF MOY+-SIMA>
(( 1.0000000e-10 0.0000000 ))
```

output:

```
(( -0.0074389891 -0.0084080911 ))
```

references:

((-0.0074389892 -0.0084080911))

--> OK : Arrondi machine.

6.51. ENG_GICCRADCALSLOPEIMAG

<< o14571/GRAN1/MDR120 >>

<ENG_GICCRADCALSLOPEIMAG : NB DIFF >

((23))

<ENG_GICCRADCALSLOPEIMAG : INDICE >

((209.00000 273.00000 587.00000 827.00000 857.00000 870.00000 1034.0000 1091.0000
1400.0000 1904.0000 1952.0000 2087.0000 2380.0000 2716.0000 2749.0000 2969.0000
3145.0000 3226.0000 3273.0000 3524.0000))

<ENG_GICCRADCALSLOPEIMAG : ERREUR RELATIVE>

((1.7053103e-08 1.7154679e-08 1.6923874e-08 1.7186253e-08 1.7457450e-08 1.7767698e-08 1.7141374e-08
1.6880764e-08 1.7102649e-08 1.7527611e-08 1.7570492e-08 1.7946352e-08 1.7258801e-08 1.7682854e-08
1.6984201e-08 1.7467823e-08 1.7138242e-08 1.7431084e-08 1.7047706e-08 1.6939007e-08))

<ENG_GICCRADCALSLOPEIMAG : DIFF MAX>

((1.7946352e-08))

<ENG_GICCRADCALSLOPEIMAG : DIFF MOY>

((9.6989070e-11))

<ENG_GICCRADCALSLOPEIMAG : DIFF SIGMA>

((1.2908687e-09))

<ENG_GICCRADCALSLOPEIMAG : DIFF MOY+-SIMA>

((1.3878578e-09 -1.1938797e-09))

output:

((...
(6.0700653e-06 5.9853631e-06 6.0034773e-06 5.9928954e-06 5.9747890e-06 5.9783273e-06 5.9257956e-06
5.9291390e-06 5.9515422e-06 5.8732988e-06 5.9164973e-06 5.9397017e-06 5.9136370e-06 5.9309172e-06
5.8865086e-06 5.8899847e-06 5.8267222e-06 5.8640354e-06<- 5.8532308e-06 5.8370953e-06 5.8165472e-06
5.7751128e-06 5.7939179e-06 5.8067318e-06 5.8135512e-06 5.7783846e-06 5.7304414e-06 5.6914949e-06
5.7104022e-06 5.7181258e-06 5.7442832e-06 5.6691424e-06 5.6937423e-06 5.6681053e-06 5.7003025e-06
5.7312381e-06 5.6753975e-06 5.6568115e-06 5.6888993e-06 5.6449003e-06 5.6621598e-06 5.6280191e-06
5.6619469e-06 5.6343732e-06 5.6562894e-06 5.6785091e-06 5.7169387e-06 5.7275647e-06 5.7382003e-06
5.7257910e-06 5.7791253e-06 5.7799078e-06 5.7914756e-06 5.8314575e-06 5.7718319e-06 5.8645192e-06
5.8644164e-06 5.8436276e-06 5.8877857e-06 5.8686937e-06 5.8897176e-06 5.8927911e-06 5.9547974e-06
5.8849123e-06)
(6.0616777e-06 5.9855631e-06 5.9505650e-06 5.9625981e-06 5.9758689e-06 5.9945883e-06 5.9154562e-06
5.9448967e-06 5.9234454e-06 5.9187480e-06 5.8905497e-06 5.9175934e-06 5.9073823e-06 5.9034210e-06
5.8656020e-06 5.8452126e-06 5.7903402e-06 5.8293135e-06<- 5.7834843e-06 5.8033666e-06 5.8211300e-06
5.7752700e-06 5.7910718e-06 5.7853416e-06 5.7954933e-06 5.7575226e-06 5.7229862e-06 5.6734440e-06
5.6812342e-06 5.7105252e-06 5.6805733e-06 5.6536716e-06 5.6743546e-06 5.6100928e-06 5.6576367e-06
5.6787155e-06 5.6353936e-06 5.6306804e-06 5.6500716e-06 5.5962757e-06 5.6534800e-06 5.6419596e-06
5.6406698e-06 5.6213831e-06 5.6296606e-06 5.6489021e-06 5.6859287e-06 5.7242615e-06 5.7111257e-06
5.6974931e-06 5.7798156e-06 5.7511171e-06 5.8106380e-06 5.8077160e-06 5.7975519e-06 5.8570009e-06
5.8417936e-06 5.8267036e-06 5.8575144e-06 5.8066332e-06 5.8446794e-06 5.8844864e-06 5.9010833e-06
5.8961296e-06)
..))

references:

((...
(6.0700653e-06 5.9853631e-06 6.0034773e-06 5.9928954e-06 5.9747890e-06 5.9783273e-06 5.9257956e-06
5.9291390e-06 5.9515422e-06 5.8732988e-06 5.9164973e-06 5.9397017e-06 5.9136370e-06 5.9309172e-06
5.8865086e-06 5.8899847e-06 5.8267222e-06 5.8640353e-06<- 5.8532308e-06 5.8370953e-06 5.8165472e-06
5.7751128e-06 5.7939179e-06 5.8067318e-06 5.8135512e-06 5.7783846e-06 5.7304414e-06 5.6914949e-06
5.7104022e-06 5.7181258e-06 5.7442832e-06 5.6691424e-06 5.6937423e-06 5.6681053e-06 5.7003025e-06
5.7312381e-06 5.6753975e-06 5.6568115e-06 5.6888993e-06 5.6449003e-06 5.6621598e-06 5.6280191e-06
5.6619469e-06 5.6343732e-06 5.6562894e-06 5.6785091e-06 5.7169387e-06 5.7275647e-06 5.7382003e-06
5.7257910e-06 5.7791253e-06 5.7799078e-06 5.7914756e-06 5.8314575e-06 5.7718319e-06 5.8645192e-06
5.8644164e-06 5.8436276e-06 5.8877857e-06 5.8686937e-06 5.8897176e-06 5.8927911e-06 5.9547974e-06
..))

```

5.8849123e-06 )
( 6.0616777e-06 5.9855631e-06 5.9505650e-06 5.9625981e-06 5.9758689e-06 5.9945883e-06 5.9154562e-06
5.9448967e-06 5.9234454e-06 5.9187480e-06 5.8905497e-06 5.9175934e-06 5.9073823e-06 5.9034210e-06
5.8656020e-06 5.8452126e-06 5.7903402e-06 5.8293134e-06<- 5.7834843e-06 5.8033666e-06 5.8211300e-06
5.7752700e-06 5.7910718e-06 5.7853416e-06 5.7954933e-06 5.7575226e-06 5.7229862e-06 5.6734440e-06
5.6812342e-06 5.7105252e-06 5.6805733e-06 5.6536716e-06 5.6743546e-06 5.6100928e-06 5.6576367e-06
5.6787155e-06 5.6353936e-06 5.6306804e-06 5.6500716e-06 5.5962757e-06 5.6534800e-06 5.6419596e-06
5.6406698e-06 5.6213831e-06 5.6296606e-06 5.6489021e-06 5.6859287e-06 5.7242615e-06 5.7111257e-06
5.6974931e-06 5.7798156e-06 5.7511171e-06 5.8106380e-06 5.8077160e-06 5.7975519e-06 5.8570009e-06
5.8417936e-06 5.8267036e-06 5.8575144e-06 5.8066332e-06 5.8446794e-06 5.8844864e-06 5.9010833e-06
5.8961296e-06 )
... ))

```

--> OK : Arrondi machine.

6.52. ENG_MMCXBIASCALRAD

<< o14571/GRAN1/MDR1 >>

<ENG_MMCXBIASCALRAD : NB DIFF >

((28))

<ENG_MMCXBIASCALRAD : INDICE >

((168.00000 326.00000 600.00000 635.00000 736.00000 738.00000 990.00000 1107.0000
1185.0000

1228.0000 1301.0000 1495.0000 1543.0000 1863.0000 2004.0000 2009.0000 2281.0000

241

2.0000 2507.0000

2755.0000))

<ENG_MMCXBIASCALRAD : ERREUR ABSOLUE>

((1.1000000e-15 5.0000000e-14 5.0000000e-16 9.0000000e-16 4.0000000e-16 3.0000000e-14 9.0000000e-17

1.0000000e-16 7.0

0.000000e-15 3.0000000e-14 6.0000000e-17 7.0000000e-15 1.0000000e-13 1.0000000e-13

1.0000000e-15 2.0000000e-15 4.6235000e-17 7.0000000e-15 7.0000000e-16 4.0000000e-16))

<ENG_MMCXBIASCALRAD : DIFF MAX>

((1.0000000e-13))

<ENG_MMCXBIASCALRAD : DIFF MOY>

((-8.5242192e-17))

<ENG_MMCXBIASCALRAD : DIFF SIGMA>

((2.7055675e-15))

<ENG_MMCXBIASCALRAD : DIFF MOY+-SIMA>

((-2.7908097e-15 2.6203253e-15))

output:

((...

```

0.0013767678 1.5815691e-05 0.00043871946 0.00091667316 5.9238344e-05 0.0025541706 0.013418921
0.0000000 2.5273390e-09<- 9.6210104e-05 0.00021636792 0.00028878654 0.00074337056 0.0010515989
0.0000000 0.0000000 0.00058125181 7.0199472e-05 2.0707481e-05 3.4017616e-05 3.3961824e-05
4.0617579e-06 9.2572176e-05 2.5493957e-05 0.00032837855 0.0000000 0.00047157952 0.0026769654
0.0035545349 3.5524627e-05 0.0014968641 0.0037905839 0.00052224909 2.3741572e-06 0.00031485123
0.0000000 5.3401286e-06 4.7605881e-06 6.9885705e-06 2.9853260e-05 6.7081768e-05 9.4615374e-05
0.0000000 0.0000000 4.0818422e-06 3.7943541e-05 1.8293722e-05 2.7191969e-05 6.9275899e-05
1.8628209e-05 0.00017501727 5.9737955e-05 0.0019478254 0.0000000 0.00023802262 0.00022129332
0.00010642810 0.00010383283 0.00016085719 4.2354066e-05 0.00072438974 0.0017122318 0.0018807383
0.0000000 8.6254819e-05 0.00075918657 0.0010344621 0.00074041914 0.00088218623 0.0017291987
0.0000000 0.0000000 0.0012157593 0.00046007533 0.00027306355 2.5676594e-05 4.0842639e-05
3.7790400e-05 0.00017134403 0.00061496650 0.0021231901 0.0000000 0.00053225312 0.00076690351
0.00093874283 1.3263256e-05 0.00036392568 0.0032943662 0.0054947026 0.015708236 0.012095352
0.0000000 0.00020118753 0.00086297403 0.0011925000 0.00098873698 0.0010000207 0.0017483651
0.0000000 0.0000000 0.0018278793 0.00077583943 0.00036947161 6.7628971e-05 7.3731280e-05
9.2671820e-05 0.00016121866 0.00056454208 0.0064490102 0.0000000 0.0027007961 0.0019932166
0.0014740052 0.00020940354 0.00017388001 0.00087634614 0.0011451610 0.0015415752 0.00029885813
0.0000000 4.1381492e-05 0.00018532727 0.00050940103 0.00049808744 0.0010886106 0.0014598214

```

```

0.0000000 0.0000000 0.0017603162 0.00035224797 0.00010087928 2.9549583e-05 3.0084835e-05
8.3831590e-05 0.00010398868 0.00048705039 0.0042784764 0.0000000 0.0014571617 0.0060288301
0.0064745555 1.2780368e-06 0.0035098963 0.017911026 0.012590487 0.0085178548 0.0014809606
0.0000000 4.6572809e-06 4.2184569e-05 3.6467514e-05 1.6914413e-05 4.2052503e-05 1.3452687e-07
0.0000000 0.0000000 8.0171749e-06 1.4557312e-05 3.0053756e-05 5.6524565e-05 6.1089653e-05
2.8203383e-06 1.0636279e-05 0.00011895585 0.00022458144 0.0000000 7.3707321e-07<- 8.5012294e-07
7.2072553e-06 3.9570368e-05 0.00027183982 1.2915987e-05 5.7180915e-07 2.2640734e-06 0.00064928888
0.0000000
... ))

```

references:

```

(( ...
0.0013767678 1.5815691e-05 0.00043871946 0.00091667316 5.9238344e-05 0.0025541706 0.013418921
0.0000000 2.5273401e-09<- 9.6210104e-05 0.00021636792 0.00028878654 0.00074337056 0.0010515989
0.0000000 0.0000000 0.00058125181 0.0199472e-05 2.0707481e-05 3.4017616e-05 3.3961824e-05
4.0617579e-06 9.2572176e-05 2.5493957e-05 0.00032837855 0.0000000 0.00047157952 0.0026769654
0.0035545349 3.5524627e-05 0.0014968641 0.0037905839 0.00052224909 2.3741572e-06 0.00031485123
0.0000000 5.3401286e-06 4.7605881e-06 6.9885705e-06 2.9853260e-05 6.7081768e-05 9.4615374e-05
0.0000000 0.0000000 4.0818422e-06 3.7943541e-05 1.8293722e-05 2.7191969e-05 6.9275899e-05
1.8628209e-05 0.00017501727 5.9737955e-05 0.0019478254 0.0000000 0.00023802262 0.00022129332
0.00010642810 0.00010383283 0.00016085719 4.2354066e-05 0.00072438974 0.0017122318 0.0018807383
0.0000000 8.6254819e-05 0.00075918657 0.0010344621 0.00074041914 0.00088218623 0.0017291987
0.0000000 0.0000000 0.0012157593 0.00046007533 0.00027306355 2.5676594e-05 4.0842639e-05
3.7790400e-05 0.00017134403 0.00061496650 0.0021231901 0.0000000 0.00053225312 0.00076690351
0.00093874283 1.3263256e-05 0.00036392568 0.0032943662 0.0054947026 0.015708236 0.012095352
0.0000000 0.00020118753 0.00086297403 0.0011925000 0.00098873698 0.0010000207 0.0017483651
0.0000000 0.0000000 0.0018278793 0.00077583943 0.00036947161 6.7628971e-05 7.3731280e-05
9.2671820e-05 0.00016121866 0.00056454208 0.0064490102 0.0000000 0.0027007961 0.0019932166
0.0014740052 0.00020940354 0.00017388001 0.00087634614 0.0011451610 0.0015415752 0.00029885813
0.0000000 4.1381492e-05 0.00018532727 0.00050940103 0.00049808744 0.0010886106 0.0014598214
0.0000000 0.0000000 0.0017603162 0.00035224797 0.00010087928 2.9549583e-05 3.0084835e-05
8.3831590e-05 0.00010398868 0.00048705039 0.0042784764 0.0000000 0.0014571617 0.0060288301
0.0064745555 1.2780368e-06 0.0035098963 0.017911026 0.012590487 0.0085178548 0.0014809606
0.0000000 4.6572809e-06 4.2184569e-05 3.6467514e-05 1.6914413e-05 4.2052503e-05 1.3452687e-07
0.0000000 0.0000000 8.0171749e-06 1.4557312e-05 3.0053756e-05 5.6524565e-05 6.1089653e-05
2.8203383e-06 1.0636279e-05 0.00011895585 0.00022458144 0.0000000 7.3707326e-07<- 8.5012294e-07
7.2072553e-06 3.9570368e-05 0.00027183982 1.2915987e-05 5.7180915e-07 2.2640734e-06 0.00064928888
0.0000000 4.4870740e-05 0.00033249165 0.00036926838 0.00047985895 0.00046767585 0.00036817309
0.0000000 0.0000000
... ))

```

--> OK : Arrondi machine.

6.53. ENG_MMCTXNOISECALRAD

<< 014571/GRAN1/MDR10 >>

```

<ENG_MMCTXNOISECALRAD : NB DIFF >
(( 1 ))
<ENG_MMCTXNOISECALRAD : INDICE >
(( 2930.0000 ))
<ENG_MMCTXNOISECALRAD : ERREUR ABSOLUE>
(( 3.2238310e-15 ))
<ENG_MMCTXNOISECALRAD : DIFF MAX>
(( 3.2238310e-15 ))
<ENG_MMCTXNOISECALRAD : DIFF MOY>
(( 9.5947351e-19 ))
<ENG_MMCTXNOISECALRAD : DIFF SIGMA>
(( 5.5608092e-17 ))
<ENG_MMCTXNOISECALRAD : DIFF MOY+-SIMA>
(( 5.6567565e-17 -5.4648618e-17 ))

```

output:

((... 3.8685953e-14 ...))

references:

((... 3.5462122e-14 ...))

--> OK : Arrondi machine.

6.54. ENG_MMCXCOEFFCALRAD

<< o14571/GRAN1/MDR190 >>

<ENG_MMCXCOEFFCALRAD : NB DIFF >

((1))

<ENG_MMCXCOEFFCALRAD : INDICE >

((333.00000))

<ENG_MMCXCOEFFCALRAD : ERREUR ABSOLUE>

((1.0000000e-14))

<ENG_MMCXCOEFFCALRAD : DIFF MAX>

((1.0000000e-14))

<ENG_MMCXCOEFFCALRAD : DIFF MOY>

((-2.7777778e-17))

<ENG_MMCXCOEFFCALRAD : DIFF SIGMA>

((5.2631376e-16))

<ENG_MMCXCOEFFCALRAD : DIFF MOY+-SIMA>

((-5.5409154e-16 4.9853598e-16))

output:

((... 9.5536098e-07 ...))

references:

((... 9.5536099e-07 ...))

--> OK : Arrondi machine.

FIN DU DOCUMENT