



page 1 of 48

document title/ titre du document

SCIAMACHY BI-MONTHLY Report: May - June 2005

ife

prepared by/préparé par

Angelika Dehn

reference/réferenceENVI-SPPA-EOPG-TN-05-0020issue/édition1revision/révision0date of issue/date d'édition19 Oct 2005status/étatJocument type/type de documentDocument type/type de documentTechnical NoteDistribution/distributionJocument

SCIAMACHY Bi-M



page 2 of 48



APPROVAL

author A. Dehn, SERCO date 19/10/2005	Title	SCIAMACHY Bi-Monthly Report: May - June 2005	issue 1 revision O
auteur date	<i>titre</i>		issue revision
		A. Dehn, SERCO	

approved by	R.M. Koopman ESA/ESRIN, D/EOP-ADQ	date 19/10/2005
approuvé by	T. Fehr ESA/ESRIN, D/EOP-ADQ	date

CHANGE LOG

reason for change /raison du changement	issue/issue	revision/revision	date/ <i>date</i>

CHANGE RECORD

Issue: 1 Revision: 0

reason for change/raison du changement	page(s)/page(s)	paragraph(s)/paragraph(s)





page 3 of 48

TABLE OF CONTENTS

ife

1	INTRODUCTION	5
	1.1 Scope	
	1.2 References	
	1.3 Acronyms and Abbreviations	6
2	SUMMARY	8
3	INSTRUMENT CONFIGURATION AND PERFORMANCE	9
	3.1 In-Flight Status and Performance	
	3.1.1 Planned Operations and Measurements (SOST-DLR)	
	3.1.2 Instrument Measurement Status (SOST-DLR)	
	3.1.3 Executed Operations and Measurements (SOST-DLR)	
	3.1.4 Performance Monitoring - System (SOST-DLR)	
	3.1.5 Performance Monitoring - Light Path (SOST-IFE)	
	3.1.6 Problem Report Status (DLR-BO)	21
4	DATA AVAILABILITY STATISTICS	22
	4.1 Downlink/Acquisition Performance	
	4.2 Statistics on unconsolidated data (SCI_NL_0P, SCI_NL_1P)	
	4.3 Statistics on consolidated data	
	4.4 Statistics on reprocessed data	
5	LEVEL 1 PRODUCT QUALITY MONITORING	24
	5.1 Processor Configuration	
	5.1.1 Version	
	5.1.2 Auxiliary Data Files	
	5.1.3 Spectral Performance	
	5.1.4 Radiometric Performance	
	5.1.5 Other Calibration Results	
	5.1.5.1 SMR analysis 5.1.5.2 LK1 analysis	
	5.1.6 Pointing Performance	
6	LEVEL 2 NRT PRODUCT QUALITY MONITORING	34
	6.1 Processor Configuration	
	6.1.1 Version	
	6.1.2 Auxiliary Data Files	
	6.2 O ₃ consistency checking	35

SCIAMACHY Bi-M



page 4 of 48



	6.3 NO	D ₂ consistency checking	35
	6.3.1		
	6.3.2	NO ₂ VCD map June 2005	
7		LEVEL 2 OFFLINE PRODUCT QUALITY MONITORING	37
	7.1 Pr	ocessor Configuration	
	7.1.1	Version	
	7.1.2	Auxiliary Data Files	
	7.1.3	Monitoring results	
8		VALIDATION ACTIVITIES AND RESULTS	37
	8.1 SC	CIAMACHY-ECMWF Comparisons using SCI RV 2P	
	8.1.1	Summary of the ECMWF SCIAMACHY monthly report for May 2005	
	8.1.2	Summary of the ECMWF SCIAMACHY monthly report for June 2005	



page 5 of 48

SCIAMACHY BI-MONTHLY Report May - June 2005

1 INTRODUCTION

The SCIAMACHY Bi-Monthly report documents the current status and recent changes to the SCIAMACHY instrument, its data processing chain, and its data products.

The Bi-Monthly Report (hereafter BMR) is composed of analysis results obtained by the Product Control Facility, combined with inputs received from the different groups working on SCIAMACHY operation, calibration, product validation and data quality.

The first part of the report is dedicated to Instrument Configuration and Performance. It is composed of contributions from SOST-DLR and SOST-IFE.

The remainder of the report is dedicated to Level 1 and Level 2 performance assessment and is generated by ESA/ESRIN DPQC with contributions from ESA/ESTEC PLSO and DLR-IMF.

The structure of the report will be in constant evolution through the ENVISAT mission, as experience with SCIAMACHY data and quality control grows.

1.1 Scope

The main objective of the BMR is to give, on a regular basis, the status of SCIAMACHY instrument performance, data acquisition, results of anomaly investigations, calibration activities and validation campaigns. The BMR is composed of the following six sections:

- Summary;
- Instrument Configuration and Performance;
- Data Availability Statistics;
- Level 1 Product Quality Monitoring;
- Level 2 Product Quality Monitoring;
- Validation Activities and Results.

1.2 References

[1] 'ENVISAT Restituted Pitch Assessment', ENVI-SPPA-EOPG-TN-05-0011, Issue 2, Technical Note, L. Saavedra (SERCO), R. Mantovani (VITROCISET), A. Dehn (SERCO), 17 May 2005

[2] 'Comparison of SCIAMACHY limb pointing retrievals with ESOC correction tables', Technical Note, Christian von Savigny, Stefan Noël, Heinrich Bovensmann, University of Bremen, 24 Feb. 2004

[3] 'Instrument Operation Manual', MA-SCIA-0000DO/01, Issue F R2, 16 Dec. 2004
[4] 'ENVISAT-1 Products Specifications Volume 15: SCIAMACHY Products Specifications', PO-RS-MDA-GS-2009, Issue 3, Rev: J, Alberto Pellegrini



[5] 'Comparison of ESOC pitch correction tables with TRUE retrievals – update June 2005', Christian von Savigny and Stefan Noel (IUP/IFE Bremen), 29 Jun. 2005.

1.3 Acronyms and Abbreviations

ADC	Analogue to Digital Converter
ADF	Auxiliary Data File
ANX	Ascending Node Crossing
AOCS	Attitude and Orbit Control System
APSM	Aperture Stop Mechanism
ASM	Azimuth Scan Mechanism
ATC	Active Thermal Control
BMR	Bi-Monthly Report
CA	Corrective Action
CCA	Communication Area
CTI	Configurable Transfer Item
DAC	Digital Analogue Converter
DLR-IMF	Deutsches Zentrum fuer Luft- und Raumfahrt
DPQC	Data Processing Quality Control
ESM	Elevation Scan Mechanism
FPN	Fixed Pattern Noise
HK	Housekeeping
ICE	Instrument Control Electronics
ICU	Instrument Control Unit
IECF	Instrument Engineering and Calibration Facilities
IOM	Instrument Operation Manual
LK1	Leakage Current Auxiliary File (SCI LK1 AX)
LOS	Line of Sight
MCMD	Macro Command
MR	Monthly Report
NCWM	Nadir Calibration Window Mechanism
NDFM	Neutral Density Filter Mechanism
NNDEC	Non-nominal Decontamination
NRT	Near Real Time
OBM	Optical Bench Module
OCR	Operations Change Request
OSDF	Orbit Sequence Definition File
PCF	Product Control Facility
PDHS	Payload Data Handling Station (PDS)
PDHS-E	Payload Data Handling Station – ESRIN
PDHS-K	Payload Data Handling Station – Kiruna
PDS	Payload Data Segment
PE1	Pixel to Pixel/ Etalon Auxiliary File (SCI_PE1_AX)
PLSO	Payload Switch OFF
PMD	Polarization Measurement Device

page 6 of 48

ISSUE I REVISION U



QUADAS SAA	Quality Analysis of Data from Atmospheric Sounders South Atlantic Anomaly					
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric					
SEU	Chartography Single Event Upset					
SLS	Spectral Line Source					
SMR	Sun Mean Reference					
SOST	SCIAMACHY Operations Support Team					
SP1	Spectral Calibration Auxiliary File (SCI_SP1_AX)					
SU1	Sun Reference Auxiliary File (SCI SU1 AX)					
SZA	Sun Zenith Angle					
TC	Thermal Control					
TCFoV	Total Clear Field of View					
TOA	Top of Atmosphere					
TRUE	Tangent height Retrieval by UV-B Exploitation					
VCD	Vertical Column Density					
WLS	White Light Source					

Not complete

page 7 of 48

issue i revision u -

7



page 8 of 48



2 SUMMARY

- During the reported period SCIAMACHY measurements were nominal with respect to planning.
- Two SEUs, which transferred SCIAMACHY to a mode lower than MEASUREMENT, occurred in the reporting period during Orbits
 - ▶ 16675-16686 (09-May-2005)
 - ▶ 16716-16739 (11-13 May-2005)
- Monthly Calibration was executed during Orbits
 - ▶ 16886-16890 (23-May-2005)
 - ▶ 17301-17305 (21-Jun-2005)
- Moon occultations were executed between orbits
 - ▶ 16802-16877 (17-May-2005 to 23-May-2005)
 - ▶ 17237-17296 (17-Jun-2005 to 21-Jun-2005)
- One OCR has been implemented during May June 2005.
 > OCR_023: Improve nadir coverage for the Cabauw campaign
- No TC adjustment was required. The average temperature/orbit of detector 5 closely approached its upper limit but the seasonal maximum did not exceed this value.
- Light Path monitoring:
 - Small degradation in UV (channels 1, 2); sun over ESM diffuser degradation smaller than for other light paths – indication that ESM diffuser degrades less than ESM mirror
 - Channels 3-6 radiometricly stable besides slight throughput loss in channel 3
 - Channel 7 throughput rather stable over time interval
 - Channel 8 throughput is reduced by about 20%
- The Pointing Performance analysis was extended by
 - The data set used for comparison was extended from selected orbits on 32 days between November 2003 and January 2005 to all available TRUE and AOCS data.
 - The AOCS harmonic attitude functions were used instead of noisier AOCS estimator data
 - AOCS attitude correction values were taken at the same times as the tropical SCIAMACHY limb measurements and not when the ENVISAT is within the 20°N to 20°S latitude range.





page 9 of 48

3 INSTRUMENT CONFIGURATION AND PERFORMANCE

3.1 In-Flight Status and Performance

Detailed operations, planning and instrument status information can be found on the website of the *SCIAMACHY Operations Support (SOST)* under <u>http://atmos.af.op.dlr.de/projects/scops/</u>. These pages are maintained on a daily basis and show the history and actual progress of the SCIAMACHY mission.

3.1.1 Planned Operations and Measurements (SOST-DLR)

The reporting period covers the orbits 16561 (ANX = 01-May-2005, 00:43:19.172) to 17433 (ANX = 30-Jun-2005, 22:45:28.513). Two OSDF specified the planning baseline.

Or	bit	ANX		OSDF	
Start	Stop	Start	Stop		
16561	17004	01-May-2004 00:43:19.531	31-May-2005 23:28:35.340	MPL_OSD_SHVSH_20050315_010101_00000000_33080001_20050501_004321_20050601_010909	
17005	17433	01-Jun-2005 01:09:11.268	30-Jun-2005 22:45:28.513	MPL_OSD_SHVSH_20050421_010101_00000000_33090001_20050601_010913_20050701_002602	

Table 3-1: SCIAMACHY OSDF planning files from May - June 2005

All measurements were nominal, i.e. timelines executed on the dayside of the orbit limb/nadir sequences with wide swath settings. In-flight calibration and monitoring measurements occurred on daily, weekly and monthly timescales according to the mission scenarios. Monthly calibration was scheduled between orbits

- 16886-16890 (23-May-2005)
- 17301-17305 (21-Jun-2005)

Moon occultations were executed between orbits

- 16802-16877 (17-May-2005 to 23-May-2005)
- 17237-17296 (17-Jun-2005 to 21-Jun-2005)

In all other orbits of the monthly lunar visibility periods the moon was rising on the dayside.

One OCR has been implemented between May and June.

• OCR_023: *Improve nadir coverage for the Cabauw campaign* With the start of a validation campaign in Cabauw/The Netherlands on 08-May-2005, SCIAMACHY mission planning improved the nadir coverage over Cabauw by optimizing the execution of limb/nadir sequence 1 & 2 timelines. This occurred until 30-Jun-2005 when the Cabauw campaign ended.



3.1.2 Instrument Measurement Status (SOST-DLR)

Final flight status for mission scenarios, states and timelines remained unchanged throughout the reporting period.

3.1.3 Executed Operations and Measurements (SOST-DLR)

Measurements

The OSDF planning files have been scheduled and were executed as requested except on

- 09-May-2005 (orbit 16675-16686)
- 11-May-2005 to 13-May-2005 (orbit 16716-16739)

when two Single Event Upsets (SEU) triggered a transfer to a mode lower than MEASUREMENT (details are found in the *Anomalies* section below).

Detector thermal adjustment

No TC adjustment was required. The average temperature/orbit of detector 5 closely approached its upper limit but the seasonal maximum did not exceed this value.

TC settings throughout the reporting period were

- DAC1 = 0.53 W
- DAC2 = 0.70 W
- DAC3 = 0.00 W

APSM/NDFM health checks & PMD ADC cal

In the reporting period 1 APSM/NDFM health check and 2 PMD ADC calibrations were executed. All showed nominal results.

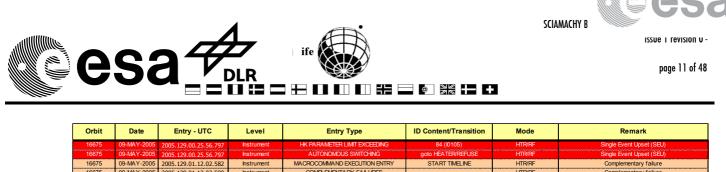
	APSM/NDFM	PMD ADC		
Orbit	ANX	Result	Orbit	ANX
17022	02-Jun-2005 06:59:46	ok	17023	02-Jun-2005 08:36:16
n.a.	n.a.	n.a.	17394	28-Jun-2005 06:38:19

Table 3-2: APSM/NDFM health check and PMD ADC calibrations

Anomalies

Two anomalies, which transferred SCIAMACHY to a mode lower than MEASUREMENT, occurred in the reporting period.

page 10 of 48



16675	09-MAY-2005	2005.129.01.12.02.582	Instrument	MACROCOMMAND EXECUTION ENTRY	START TIMELINE	HTR/RF	Complementary failure
16675	09-MAY-2005	2005.129.01.12.02.590	Instrument	COMPLEMENTARY FAILURES		HTR/RF	Complementary failure
16675	09-MAY-2005	2005.129.01.12.02.594	Instrument	MACROCOMMAND EXECUTION ENTRY	START TIMELINE	HTR/RF	Complementary failure
				in total 4 Complementary Failures	until 2005.129.01.44.20.504		
		2005.129.01.44.20.492	Instrument	MACROCOMMAND EXECUTION ENTRY	START TIMELINE	HTR/RF	Complementary failure
16676	09-MAY-2005	2005.129.01.44.20.504	Instrument	MACROCOMMAND EXECUTION ENTRY		HTR/RF	Complementary failure
16676	09-MAY-2005	2005.129.01.44.20.504	Instrument	COMPLEMENTARY FAILURES	START TIMELINE	HTR/RF	Complementary failure
16716	6716 11-MAY-2005 2005.131.22.11.17.000 Instrument		Instrument	AUTONOMOUS SWITCHING	goto R/W-WAIT	R/W-WAIT	Single Event Upset (SEU)
		2005.151.22.11.17.000			9		suspended ICU
16759	14-MAY-2005	2005.134.22.01.54.000	Instrument	COMPLEMENTARY FAILURES		Measurement	STATE_TRANS_OVERDUE
107.55	14-10-1-2003	2005.154.22.01.54.000	instrument	COMPLEMENTART FAILURES		Webburement	(state 65 delayed by 12 counts, fault indication 886)
17110	08-JUN-2005	05 2005, 159,09,24,33,068 Instrument COMPLEMENTARY FAILURES		Measurement	PRIM_CMD_OVERDUE		
17110	00-0014-2003	2005.159.09.24.33.068	instrument	COMPLEMENTARY FAILURES		incasul ement	(RTCS STT_01 primitive cmd SET-UP MEASUREMENT

Table 3-3: Instrument anomalies

The first SEU occurred when ENVISAT was south of the equator in the West Pacific area. The anomaly detected by the onboard system is attributed to an SEU in the Instrument Operations Manual (IOM) [3], i.e. FOCC was able to start the procedure driven recovery immediately. The second SEU occurred when ENVISAT was crossing the South Atlantic Anomaly (SAA). This time the error message was not conclusive since it was similar to the well-known CCA MCMD check error. Detailed analysis by FOCC, Astrium and SOST revealed that the transfer to R/W WAIT was in fact a Single Event Upset (SEU), disguised as a CCA MCMD check error. A SEU stopped the ICU about 12 msec prior to the error message. The ENVISAT PMC responded with what is usually attributed to the check error.

The two remaining anomalies were complementary failures leading to Corrective Actions (CA) 0 or 9, i.e. the instrument continued operations.

Instrument unavailability

The instrument was unable to execute measurements for a total of 32 orbits due to two SEU. In both cases the MPS driven schedule was resumed quickly.

Unavailability								
Or	bit	υтс		Event	Remark			
Start	Stop	Start	Stop					
16675	16686	09-May-2005 00:25:56	09-May-2005 18:37:20	transfer to HTR/RF	10105 OOL latch-up detection thermal 2 board (SEU)			
16716	16739	11-May-2005 22:11:17	13-May-2005 11:40:20	transfer to R/W WAIT	ICU suspended by SEU			

Table 3-4: Instrument unavailabilities

3.1.4 Performance Monitoring - System (SOST-DLR)

Detector temperatures

Detector temperatures are monitored according to the requirements of defined procedures of the IOM [3]. It requests to ensure that the average temperature per orbit remains





page 12 of 48

issue i revision u

within the specified limits. For each detector the average temperatures per orbit are determined from HK telemetry parameters to check these limits.

Fig. 3-4 displays the temperatures of all 8 detectors. Colour coding is as on the operational monitoring website, i.e. data from orbits with HK telemetry coverage > 90% are shown in red, for < 90% in green. Minimum/maximum values per orbit are indicated as vertical bars. The temperature limits of each detector are shown as horizontal lines.

In May, two SEUs interrupted measurements. These events are visible as short data gaps. When MPS driven operations resumed, detector temperatures were lower than nominal and took a few orbits to reach the operational level again. When detector temperature limits are reached, a TC adjustment is performed (see chapter 3.1.3).

OBM temperatures

OBM temperatures are monitored according to specific requirements of the IOM [3]. It requests to ensure that the average temperature per orbit remains within the specified limits. The average OBM temperature is determined from specified HK parameters. In addition power readings for the Active Thermal Control heaters are monitored. Temperatures and ATC heater powers are given in fig. 3-5 and 3-6. Colour coding is as in fig. 3-4.

The data gap in May is caused by the second SEU. Recovery from the first SEU was so fast that HK telemetry was interrupted only for a very short period.

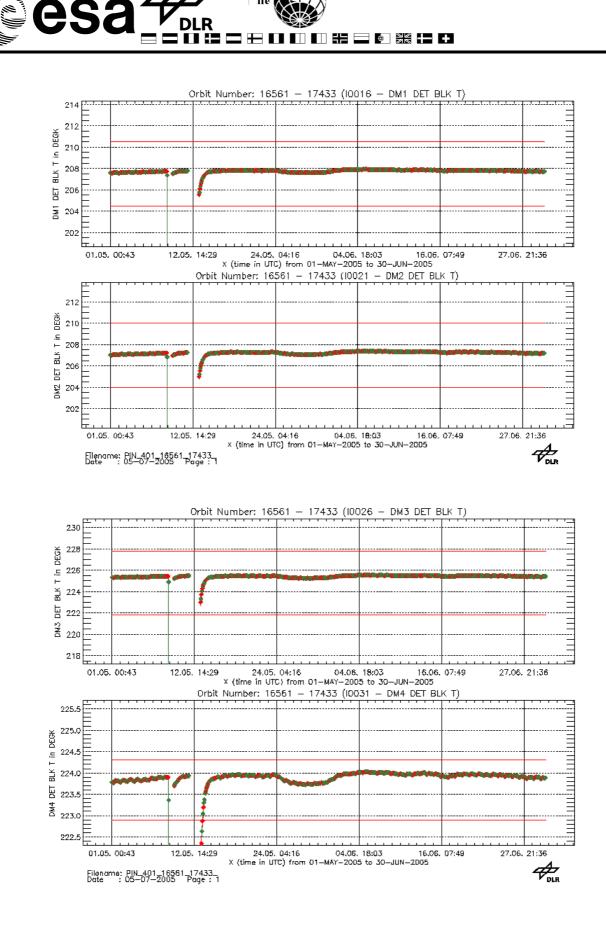
PMD ADC status

The status of the PMD ADC is monitored according to the requirements of the IOM [3] using HK telemetry data. It requests to ensure that no glitches occur caused by an SEU. No PMD ADC glitches have been detected for the reported period.



262

page 13 of 48

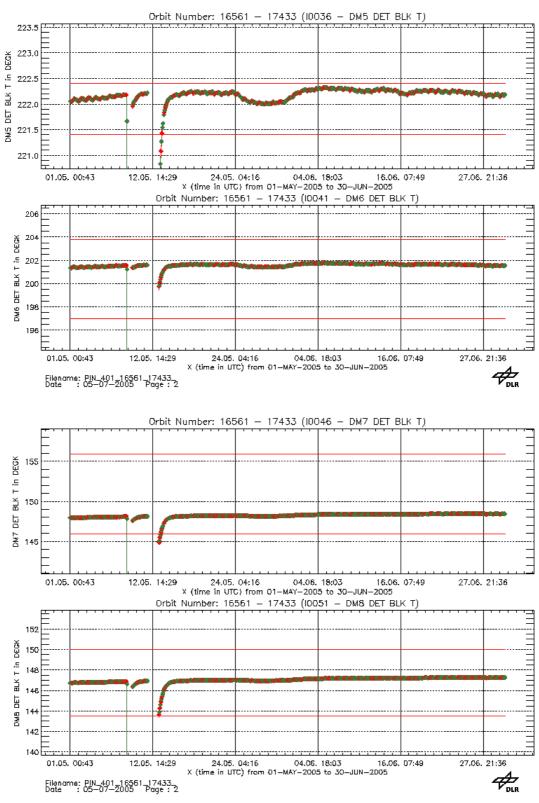


ife

esa



page 14 of 48



ife

e

C /

Fig. 3-4: Detector temperatures

SCIAMACHY B issue i revision u es ife page 15 of 48 Orbit Number: 16561 - 17433 (T_OBM - T_OBM) -17.0T_OBM in DEGC -17.5-18.0 -18.5 -19.0 01.05, 00:43 12.05, 14:29 24.05. 04:16 04.06. 18:03 16.06. 07:49 27.06. 21:36 X (time in UTC) from 01 MAY-2005 to 30--JUN-2005 Orbit Number: 16561 - 17433 (10772D - T LIMB SENS YSI) T LIMB SENS YSI IN DEGC 0 -5 -10 -15 -20 -25 24.05, 04:16 04.06, 18:03 16.06, 07:49 X (time in UTC) from 01-MAY-2005 to 30-JUN-2005 01.05. 00:43 12,05, 14:29 27.06. 21:36 Orbit Number: 16561 -17433 (10773D - T NADIR SENS YSI) T NADIR SENS YSI in DEGC 0 -5 -10 -15 -20 -25 -30 16.06. 07:49 -2005 24.05. 04:16 04.06. 18:03 × (time in UTC) from 01-MAY-2005 to 30-01.05. 00:43 12.05. 14:29 27.06. 21:36 Filename: PIN_402_16561_17433_ Date : 06-07-2005 Page : 1

Fig. 3-5: OBM temperatures (top: derived OBM, middle: limb sensor, bottom: nadir sensor)

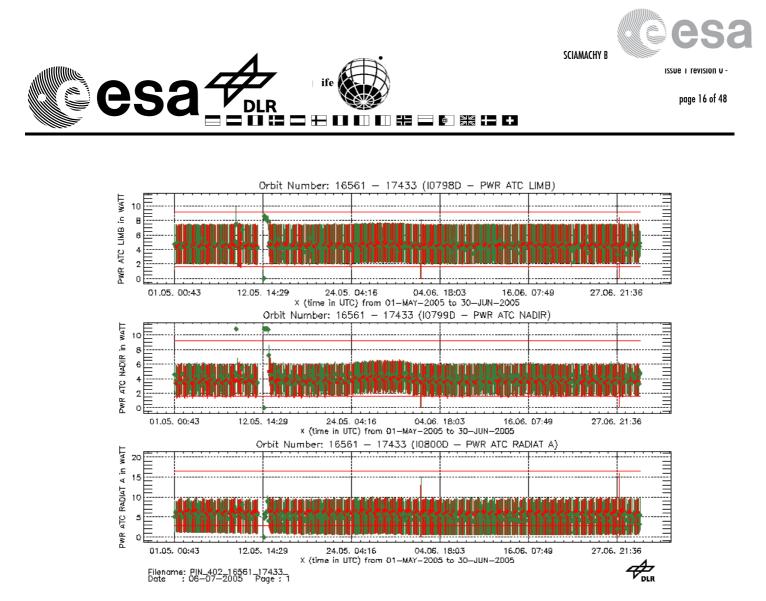


Fig. 3-6: ATC heater power (top: ATC limb, middle: ATC nadir, bottom: ATC Rad A)

LLI status

Life Limited Items are monitored based on analysis of the

- OSDF: This yields a predicted LLI usage.
- Report format: This counts the actual LLI switches or used LLI cycles. No WLS/SLS burning times can be derived thereof.

In addition, the in-flight usage of the cryogenic heat pipe is recorded. This subsystem has a limited number of cycles. Each decontamination increases the accumulated number of cycles by 1.

At the end of the reporting period the fractional usage of the LLI relative to the allowed in-flight budget was

- NDFM: 0.46
- APSM: 0.41
- NCWM (sub-solar port): 0.47
- WLS (switches): 0.10
- WLS (burning time): 0.20
- SLS (switches): 0.03





page 17 of 48

issue i revision u

• SLS (burning time): 0.01

How the relative LLI usage has accumulated since launch can be seen in fig. 3-7. 'EOL' assumes a total mission lifetime of 0.5 years of Commissioning Phase and 4.5 years of routine operations.

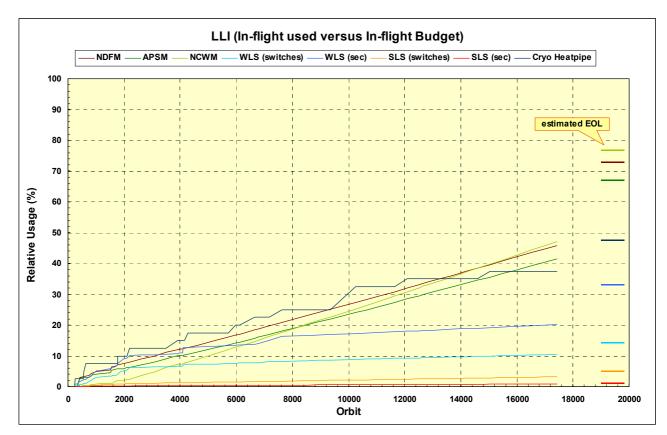


Fig. 3-7: Realtive usage of LLIs. 'EOL' is derived for the currently specified mission lifetime.

The number of cryogenic heatpipe cycles did not increased (no decontamination). The budget used remained at 38% of the allowed in-flight budget.

Time reference

The times quoted in all planning files refer to the reference orbit. Since the actual orbit differs from the reference orbit (e.g. orbit drift), the times given w.r.t. the reference orbit also do not reflect exactly the actual absolute times of events along the orbit (e.g. ANX, sunrise, sub-solar, moonrise, eclipse). The requirements for orbit maintenance may result in time differences of usually $< \pm 10$ sec. In some cases this value may even reach ± 1 min, however.

SOST monitors how the reference time deviates from the actual time. This is done by using the predicted time which comes very close to the actual = restituted time. If the predicted times are delayed w.r.t. the reference orbit, then the difference *predicted* – *reference time* is > 0 sec; in the other case it is < 0 sec.



Fig. 3-8 displays the time difference *predicted – reference*. Orbit manouevres cause distinct discontinuities.

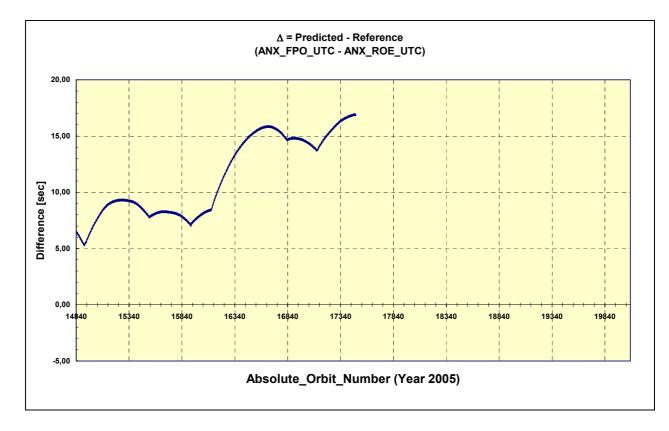


Fig. 3-8: Time difference between predicted and reference time.

3.1.5 Performance Monitoring - Light Path (SOST-IFE)

One part of the SOST long-term monitoring activities is the trend analysis of measurements with the internal White Light Source (WLS) and of observations of the unobscured Sun above the atmosphere. In order to monitor the different SCIAMACHY light paths solar measurements are taken in various viewing geometries: In limb/occultation geometry (via ASM and ESM mirrors), in nadir geometry (via the ESM mirror through the subsolar port), and via the so-called calibration light path involving the ASM mirror and the ESM diffuser.

SCIAMACHY long-term monitoring comprises a regular analysis of these measurements.

The plots displayed in Fig 3-9 show results of these monitoring activities for the time interval May to June 2005.

All measured signals have been averaged over the entire channel and then divided by the corresponding measurement at a reference time (currently 2 August 2002, at about orbit 2200), yielding an effective instrument throughput for the different light paths.

The timing of subsolar measurements before 30 November 2002 (about orbit 3922) did not consider the known yaw misalignment of SCIAMACHY on ENVISAT. Therefore all

page 18 of 48





page 19 of 48



subsolar measurements after 30 November 2002 have been referred to orbit 4519 (10 January 2003, just after a long decontamination phase).

Note that measurements performed during times of reduced instrument performance (e.g. switch-offs or decontamination periods) have been omitted.

The results presented in Fig 3-9 are based on the analysis of Level 0 data, which have been corrected for dead/bad pixels, dark current (fixed value from August 2002), scan angle dependencies, quantum efficiency changes, and the seasonally varying distance to the Sun. Additional calibration steps have not been performed, like for example a straylight correction. Therefore, variations smaller than about 1% require careful investigation.

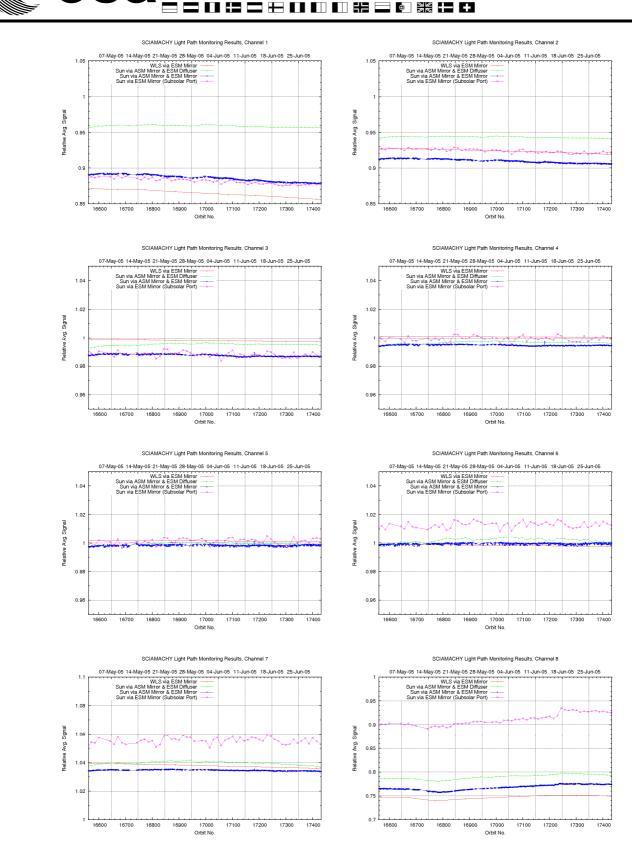
The light path monitoring results presented in this section may be regarded as a first step towards spectrally resolved monitoring factors (m-factors) which will be produced based on Level 1b data.

Daily updated light path monitoring results can be found on the SOST or IUP web site (http://www.iup.physik.uni-bremen.de/sciamachy/LTM/LTM.html).



292

page 20 of 48



ife

niiiiiiin

C

Fig 3-9: Light path monitoring results May 2005 to June 2005.



page 21 of 48

The following specific features can be identified from the light path monitoring results during the time interval of this report:

- The small degradation in the UV (channels 1 & 2) continues. Currently, the throughput loss for all light paths involving the ESM mirror is about 1% (for channel 1) and 0.5% (for channel 2) within the shown two months. The degradation of the calibration light path which involves the ESM diffuser instead of the ESM mirror is smaller than for other light paths, indicating that the ESM diffuser degrades less than the ESM mirror.
- Channels 3 to 6 remain stable, although there is an indication of a slight throughput loss in channel 3 for the ESM mirror light paths which needs further observation.
- The channel 7 throughput remains stable over the whole time interval.
- Channel 8 seems to have reached the minimum transmission/maximum icing around mid of May 2005. The channel 8 throughput remains at about 75-80%, depending on light path. A slight throughput increase towards the end of June 2005 is visible, possibly related to an increased detector temperature. The systematically higher throughput for the subsolar light path is still unexplained.

3.1.6 Problem Report Status (DLR-BO)

The problem report statistics is as follows:

• Total number of problem reports:	43
• Open problem reports:	5

- Problem reports which have been closed during the reporting period: 3
- New problem reports during the reporting period: 0

PR-ID 29: Deviation between expected and measured azimuthal LOS direction

PR ID-29 adressed the azimuth jump of 0.1° LOS at the end of a solar occultation state when switching from scanning to pointing by using the Sun Follower. The decision 'useas-is' was the result of a telecon between DLR-BO, SOST and SRON. No impact of the jump on nadir, limb and occultation measurements or monitoring results derived thereof has been identified. Therefore PR ID-29 is closed.

PR-ID 36: Nadir FoV for the extreme -x direction seems to be partly obstructed

The problem was solved by adjustment of the scanning (see OCR 2). SRON has committed that the reported nadir TCFoV obstruction when SCIAMACHY is looking to the West is fully in line with the ambient test results obtained in the first half of 1999. Therefore PR-ID 36 is closed

PR-ID 38: WLS shows a decay of ~2% in channel 1

It is assumed that the reduction is due to an aging effect of the WLS. The subject will be covered by the M-factor determination, which is ongoing work. Therefore PR-ID 38 is closed.





page 22 of 48

4 DATA AVAILABILITY STATISTICS

4.1 Downlink/Acquisition Performance

No problems are known for the period May-June 2005.

4.2 Statistics on unconsolidated data (SCI_NL_0P, SCI_NL_1P)

This paragraph reports the availability of NRT data on a monthly basis. The statistics are based on Level 0 data and Level 1 data inventoried in the ground segment. Unavailability periods due to instrument anomalies or Satellite switch-offs are excluded. The gaps considered are only interfile gaps.

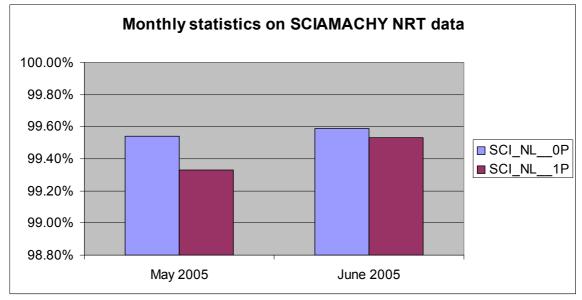


Fig. 4-2: Statistics on available unconsolidated Level 0 and Level 1 products

4.3 Statistics on consolidated data

In this paragraph statistics on consolidated data products L0 and L1 are presented.



page 23 of 48



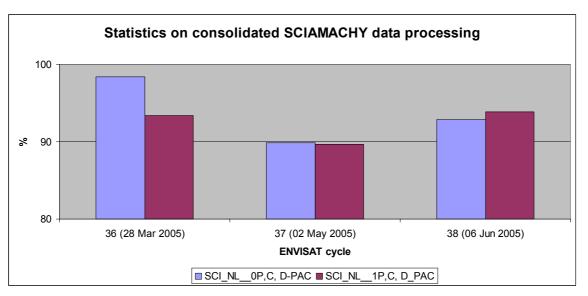


Fig. 4-3: Statistics on consolidated Level 0 and Level 1 products

4.4 Statistics on reprocessed data

Information about statistics on SCIAMACHY reprocessed data is made available by D-PAC.

Products from the time interval July 2002 to May 2004 (corresponding to cycles 7 -26, each cycle consisting of 501 orbits) are being reprocessed with IPF version 5.04 on consolidated L0/L1 data using the re-processed Auxiliary files (LK1, SU1, SP1, PE1). Data after that time interval have already been processed operationally with IPF 5.04 version and Auxiliary files had been processed operationally since then (the last status for the statistics in Fig. 4-4 is from 24/05/2005).

Data sets that lie in non-nominal decontamination periods are not re-processed to L2 products as the science data are not reliable. However during cycles 12 and 19 that contain decontamination periods, also L1b processing is reduced. This is currently under investigation.

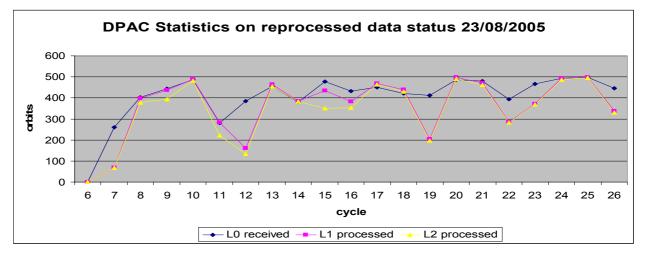


Fig. 4-4: DPAC statistics on reprocessed data



page 24 of 48

issue i revision u

5 LEVEL 1 PRODUCT QUALITY MONITORING

5.1 Processor Configuration

5.1.1 Version

The current IPF version used for processing (and re-processing) of SCIAMACHY level 1 data is 5.04. The corresponding product specification is [4]. The disclaimer at

<u>http://envisat.esa.int/dataproducts/availability/disclaimers/SCI_NL_1P_Disclaimers.pdf</u> describes known artefacts.

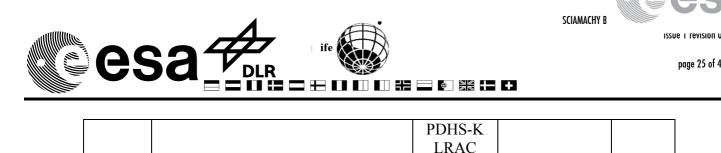
Table 5.1 gives an overview of changes implemented with processor versions IPF 5.04 and 5.01.

In addition here is a summary on the definition of the SZA used in previous and actual IPFs.

For IPF versions 4.02, 5.00, 5.01, 5.04 the SZA is defined with respect to Top of Atmosphere (TOA).

Instead for IPF versions 4.03, 4.01 and earlier versions the SZA is defined with respect to Tangent Height. IPF versions 4.02 and 5.00 however were not used operationally but to generate the validation dataset for the ACVT workshop in 2004.

IPF	Description	Proc	Date	Start
Version		Centre		Orbit
5.04	No algorithm specification changes	PDHS-K	21-AUG-2004	12942
	were implemented, but two algorithm	LRAC	20-AUG-2004	12750
	implementation errors have been	PDHS-E	16-AUG-2004	12823
	corrected. In addition, code	DPAC	12-AUG-2004	12879
	adaptations have been performed to			
	resolve performance problems			
	encountered during reprocessing. The			
	list of modifications is as follows:			
	 An incorrect polarisation-ratio calculation has been corrected, to remove radiance discrepancies up to 1% between prototype and operational processor. Memory leaks have been detected and eliminated Two modifications have been performed to avoid level 1B 			
	processing crashes			
5.01		DPAC	31-MAR-2004	
		PDHS-E	24-MAR-2004	



Tab. 5-1: Processor Version and main changes

Auxiliary Data Files 5.1.2

For operation of the SCIAMACHY level 1 processor a set of Auxiliary files as input is required.

These Auxiliary files consist of a subset that usually changes only in correspondence with a new IPF version, namely the Initialisation file (SCI LI1 AX), the Key Data File (SCI KD1 AX). In addition there is the m-factor file (SCI MF1 AX), which shall describe the degradation of the instrument during its stay in orbit (note that the m-factor file has not been changed so far).

Another subset of Auxiliary Files are the In-flight calibration Data files which are generated when calibration measurements are included in the set of level 0 data to be processed. Four types of In-flight calibration Auxiliary files exist:

- Leakage Current Calibration (SCI LK1 AX updated on orbital basis) •
- Solar Reference Spectrum (SCI SU1 AX updated on daily basis) •
- Spectral Calibration Parameters (SCI SP1 AX updated on a monthly basis) •
- Pixel-to-Pixel Gain and Etalon Parameters (SCI PE1 AX updated on a monthly basis)

Since 04 May 2004 LK1 Auxiliary Files (Leakage Current Calibration) were processed operationally by the IECF. A SCI LK1 AX is generated about every orbit (if measurements do not lie in the SAA area or orbit phase constraints occur).

SU1 Auxiliary Files were operationally processed starting from day 08 May 2004, a new SCI SU1 AX file is generated every day with a validity time of two weeks.

PE1 and SP1 Auxiliary files are generated once per month with measurements of the monthly calibration orbits.

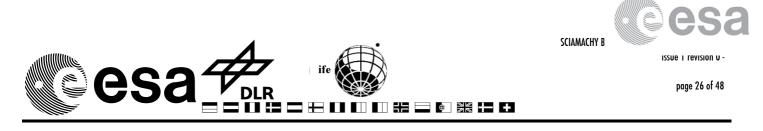
The table in Appendix A gives an overview about the Auxiliary files for the reporting period May - June 2005.

Fig: 5.1 shows statistics of the SU1 and LK1 ADFs generated operationally with the IECF. It has to be noted that unavailability periods are excluded from statistics. Generation of SU1 ADFs for May 2005 was 100%, during June 2005 97%.

The LK1 ADF statistic is calculated by dividing the number of all LK1 ADFs by number of all available (to IECF) level 1 orbits. In average ADFs are available about 58% per month. The statistic does not take into account SAA and orbit phase constraints. Special analysis showed that only 6-8 orbits per day can be used for LK1 ADF processing, and therefore the performance is at 80-100%.

During the reported period hardware failures at ESRIN caused a delay of the generation of in flight ADFs. This had impact for processing L1b Near Realtime products being processed with ADFs older than 1 week. This especially occurred at the end of May (

page 25 of 48



days 25-31) and again end of June (days 20 - 30). Especially SU1 ADFs for days 27-30 June were not processed.

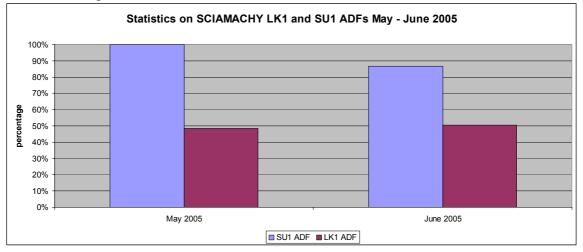


Fig. 5-1: Statistics on LK1 and SU1 processing

5.1.3 Spectral Performance

Future reports will contain analyses of spectral performance.

5.1.4 Radiometric Performance

Future reports will contain analyses of spectral performance.

5.1.5 Other Calibration Results

5.1.5.1 SMR analysis

The IECF generates daily SU1 Auxiliary Files, that contain new sun mean reference spectra for the different possible modes (e.g., subsolar, ESM diffuser, occultation, etc). Fig. 5-2 to Fig. 5-5 show the ratios of SMR spectra derived from calibrated SMR/ESM during the month May - June 2005. The ratios were determined by dividing the spectra of the bacimping of each month to a set of during during each month. All ratios are not

the beginning of each month to a set of days during each month. All ratios are not corrected for variation of distance earth/sun.

In detail the spectra used for the ratios of each month are the following:

May 2005 Reference SMR - 01 May 2005 SMR used for ratios: 02, 03, 04, 05, 06, 07, 14, 21, 28 May 2005
June 2005 Reference SMR - 01 Jun 2005 SMR used for ratios: 02, 03, 04, 05, 06, 07, 14, 21, 28 Feb 2005

The overall changes lie between 1 - 2 % during one month. In channel 1 around pixel 550 some features can be noticed as well as in channel 2 at pixel 840. The reason for these



page 27 of 48

features need to be investigated. A possible explanation could be a solar variability causing Fraunhofer lines with different intensities. Generally a spectral feature could have significant impact on the product quality, especially when the affected spectral parts are used for DOAS retrieval.

The IR channels are impacted by more noise than the UV-visible channels.

January and February ratios of SMRs showed some strong etalon like features (see previous 4-monthly report), especially in channel 3. This behaviour is not noticed during May – June 2005.

Fig. 5-6 shows a SMR ratio on a long term trend dividing the ESM spectra from days 27-Jun-2003 and 27-Jun-2005. The first spectrum available exists for 18-Jul-2002. However to consider sun/earth distance, the ratio was performed with spectra from same calendar days. What can be concluded is that for channels 1-2 an average degradation of about 5% is observed, channels 3-6 degrade by less than 1%. The signal in channels 7 and 8 has increased with respect to the SMR of 27/06/2003. This is consistent with the Light Path monitoring at SOST-IFE. The effect is due to ice contamination for the last two channels.



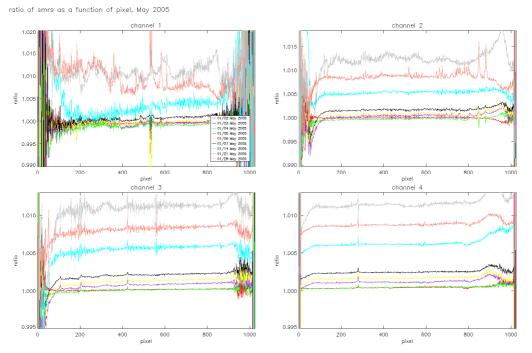


Fig. 5-2: SMR ratios per detector channel 1-4 (changes during May 2005)

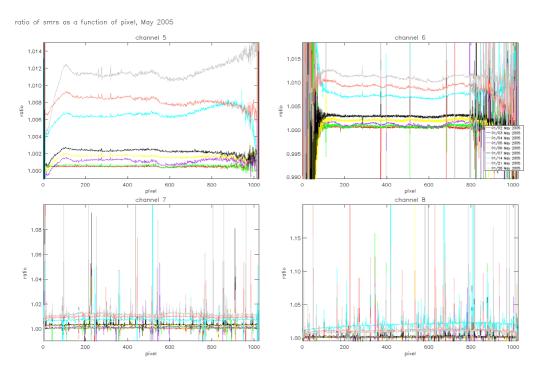


Fig. 5-3: SMR ratios per detector channel 5-8 (changes during May 2005)



ratio of smrs as a function of pixel, June 2005

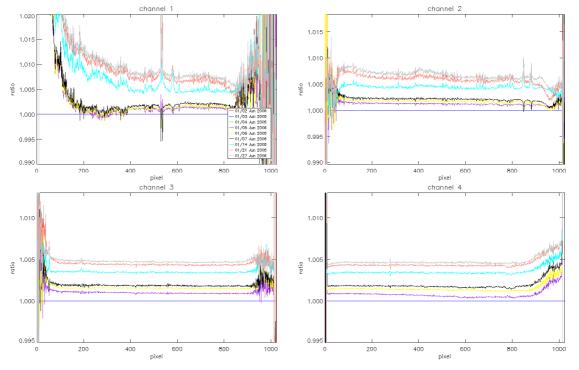


Fig. 5-4: SMR ratios per detector channel 1-4 (changes during June 2005)

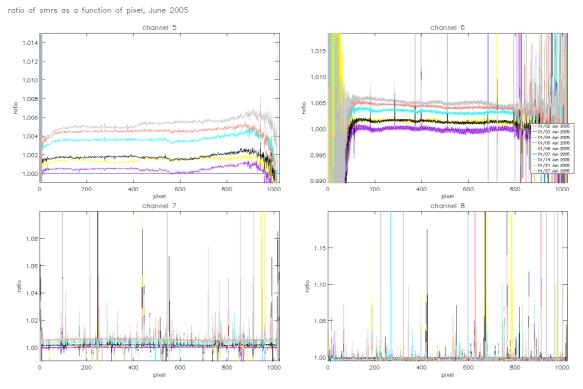


Fig. 5-5: SMR ratios per detector channel 5-8 (changes during June 2005)

page 29 of 48



smr ratio, D0 27/06/2003 divided by 27/06/2005

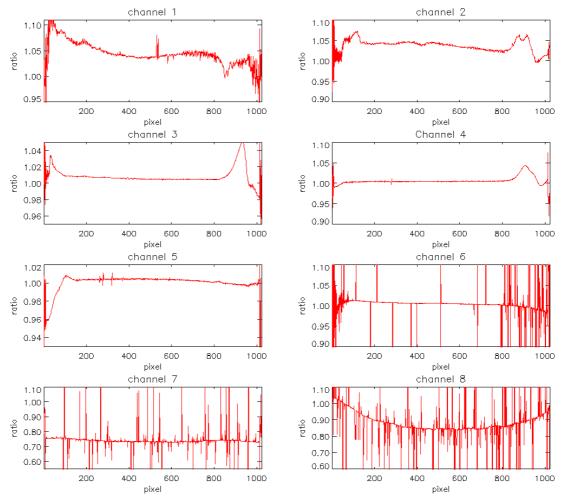


Fig. 5-6: SMR ratios per detector channel on Long Term Trend

5.1.5.2 LK1 analysis

On an orbital basis a leakage current calibration is performed, if measurement data do not lie in the South Atlantic Anomaly region.

In Fig. 5-7 to Fig. 5-10 the leakage constant part FPN (fixed pattern noise) of the LK1 ADFs are analysed by determining the ratios of the FPN of each month with a time distance of one orbit, one day, one week, two weeks, three weeks and a month.

For channels 1-5 and the first part of channel 6, during up to three weeks nearly no changes can be noticed. Sudden jumps however between the different dark current ratios can be seen for channels 1, 2 (only May), 4 and 5 between 2 and 3 weeks. They are very small but above the noise level.

The IR channels show a lot of noise. Here an improvement is foreseen with a new processor version, where the time dependent part of the leakage current will be considered.



LK1 ADF analysis, ratios of fpn const, May 2005

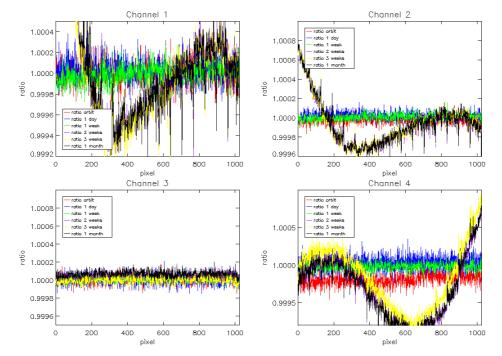


Fig. 5-7: dark current ratios (constant part) channel 1-4 during May 2005, Reference Spectrum used: Orbit 16565, 01-May-2005

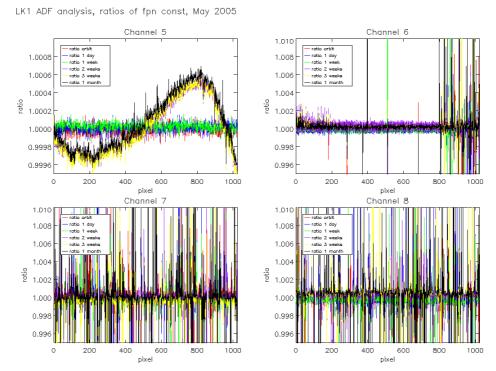


Fig. 5-8: dark current ratios (constant part) channel 5-8 during May 2005, Reference Spectrum used: Orbit 16565, 01-May-2005

page 31 of 48



LK1 ADF analysis, ratios of fpn const, June 2005

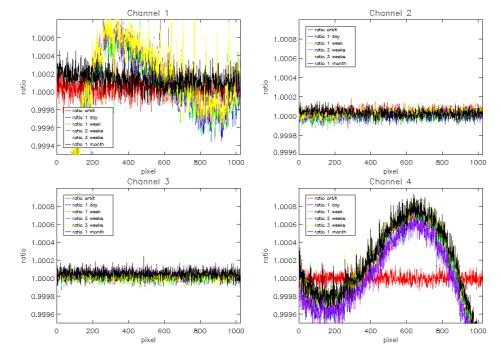


Fig. 5-9: dark current ratios (constant part) channel 1-4 during June 2005, Reference Spectrum used: Orbit 17009, 01-Jun-2005

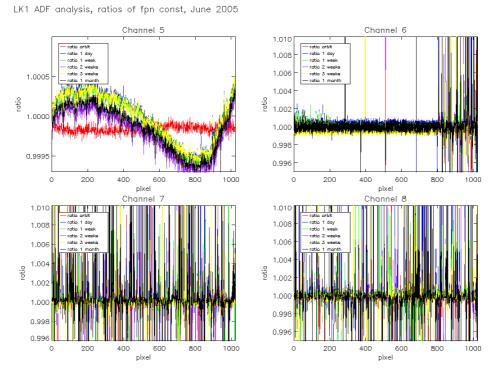


Fig. 5-10: dark current ratios (constant part) channel 5-8 during June 2005, Reference Spectrum used: Orbit 17009, 01-Jun-2005

page 32 of 48



page 33 of 48



5.1.6 Pointing Performance

The in-orbit ENVISAT pointing characterization in view of a new restituted attitude file delivered by ESOC (AOCS data) was assessed and results are described in detail in a dedicated technical note [1].

This analysis was further extended comparing the harmonic components and the SCIAMACHY limb mis-pointing retrieved from SCIAMACHY limb scattering observations using the TRUE [Kaiser et al, 2004] algorithm.

This analysis that is summarised here is further reported in the technical note [5].

- The data set used for comparison was extended from selected orbits on 32 days between November 2003 and January 2005 to all available TRUE and AOCS data.
- The AOCS harmonic attitude functions were used instead of noisier AOCS estimator data
- AOCS attitude correction values were taken at the same times as the tropical SCIAMACHY limb measurements and not when the ENVISAT is within the 20°N to 20°S latitude range.

Fig 5-11 shows a scatter plot with linear least squares fits where only the constant offset was fitted for and the slope was set to 1. The retrieved offsets c are |c| = 16.88 mdeg after the December 2003 update, |c| = 16.648 mdeg before the December 2003 update and |c| = 16.82 mdeg for the entire available data set. A pitch offset of 16.88 mdeg corresponds to a tangent height (TH) offset of about 970 m at TH =0 km and about 910 m at TH =100 km.

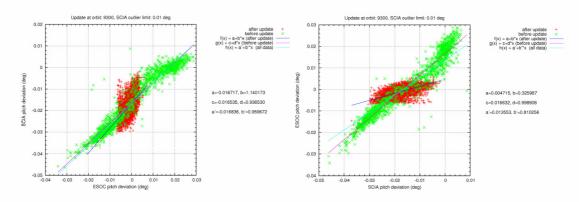


Fig. 5-11: Scatter plots of harmonic pitch corrections and TRUE pitch error retrievals. The left and right panel show the same data set, but with reversed axes. Each plot shows linear fits for the periods before the December 2003 update (magenta line), after the December 2003 update (blue lines) and all data (turquoise line).

The results of this study are being implemented in the new SCIAMACHY processor IPF 6.0 to become operational end 2005.





page 34 of 48

6 LEVEL 2 NRT PRODUCT QUALITY MONITORING

6.1 Processor Configuration

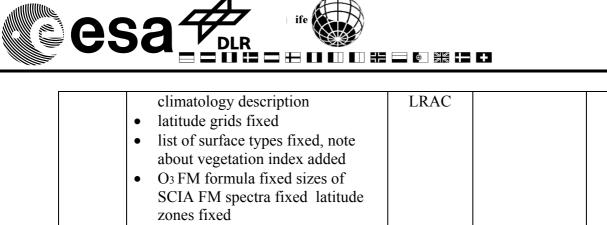
6.1.1 Version

The current IPF version used for processing (and re-processing) of SCIAMACHY level 2 data is 5.04. The according product specification is [4]. The disclaimer at http://envisat.esa.int/dataproducts/availability/disclaimers/SCI_NL_2P_Disclaimers.pdf describes known artefacts. Table 6.1 shows the implementation dates of the IPF at the different PDS processing centres and the main modifications implemented.

IPF	Description	Proc	Date	Start
Version		Centre		Orbit
5.04	No algorithm specification changes	PDHS-K	21-AUG-2004	12942
	were implemented, but two algorithm	LRAC	20-AUG-2004	12750
	implementation errors have been	PDHS-E	16-AUG-2004	12823
	corrected. In addition, code	DPAC	12-AUG-2004	12879
	adaptations have been performed to			
	resolve performance problems			
	encountered during reprocessing. The			
	list of modifications is as follows:			
	• The incorrect handling of the			
	season index 4 has been			
	corrected.			
	• An incorrect polarization ratio			
	• An incorrect polarisation-ratio calculation has been corrected, to			
	remove radiance discrepancies up			
	to 1% between prototype and			
	operational processor.			
	operational processor.			
	• Memory leaks have been			
	detected and eliminated			
	• An adaptation has been			
	implemented to allow co-			
	existence with the initialisation			
	file used by the Off-Line			
	processor			
5.01	description for cloud MDS	DPAC	31-MAR-2004	
	updated	PDHS-E	24-MAR-2004	
	• minor changes in MPI and USA	PDHS-K		



page 35 of 48



• solar zenith angle grid fixed

Tab. 6-1: Level 2 Processor Configuration

6.1.2 Auxiliary Data Files

Auxiliary Files being used as input for SCI_NL_2P products are listed in table 6-2. These ADF files are generally not changed.

SCI_FM2_AXVIEC20040309_092553_19990101_000000_20991231_235959
SCI_BL2_AXVIEC20020220_093709_20020101_000000_20200101_000000
SCI_CC2_AXVIEC20020220_094004_20020101_000000_20200101_000000
SCI_CL2_AXVIEC20020220_094214_20020101_000000_20200101_000000
SCI_CS2_AXVIEC20020220_094417_20020101_000000_20200101_000000
SCI_MF2_AXVIEC20040309_093236_19990101_000000_20991231_235959
SCI_PF2_AXVIEC20020220_100450_20020101_000000_20200101_000000
SCI_PR2_AXVIEC20020220_100642_20020101_000000_20200101_000000
SCI_RC2_AXVIEC20020220_100912_20020101_000000_20200101_000000
SCI_UC2_AXVIEC20040309_092027_19990101_000000_20991231_235959
SCI_SF2_AXVIEC20020220_101039_20020101_000000_20200101_000000
SCI_LI2_AXVIEC20040308_170000_20020101_000000_20200101_000000

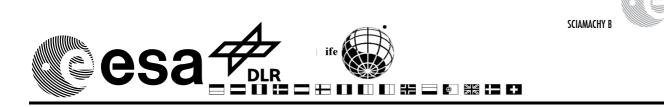
Tab. 6-2: Level 2 Auxiliary Files

6.2 O_3 consistency checking

Future reports will contain information on this issue.

6.3 NO₂ consistency checking

NO₂ vertical column density (VCD) values of one month were averaged using QUADAS, filtering those data where the VCD flags are 0. Diurnal variations have not been corrected (no model applied). Fig. 6-1, Fig. 6-2, Fig. 6-3, Fig. 6-6 are aimed at processing consistency checking and are not intended for geophysical interpretation.



Generally, high concentration of NO₂ is expected over industrial regions, as over North America, especially the East coast, over central Europe, China and South Africa.

issue i revision u

page 36 of 48

6.3.1 NO₂ VCD map May 2005

High NO₂ VCD values at high latitudes need to be reviewed.

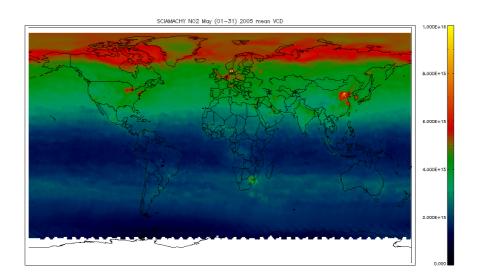


Fig. 6-1: NO₂ VCD world map 01-31 May 2005 - monthly average

6.3.2 NO₂ VCD map June 2005

Also for the June world map showing the distribution of mean values of NO₂ VCD, a review is needed to understand unphysical values at high latitudes.

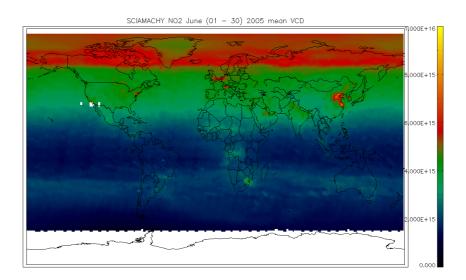


Fig. 6-2: NO₂ VCD world map 01-30 June 2005 - monthly average



page 37 of 48

7 LEVEL 2 OFFLINE PRODUCT QUALITY MONITORING

7.1 Processor Configuration

7.1.1 Version

In January 2005 the SCIAMACHY Level 2 Offline product SCI_OL_2P was released, data are generated with processor version 2.5.

The according product specification is PO-RS-MDA-GS-2009_15_3H. The disclaimer at <u>http://envisat.esa.int/dataproducts/availability/disclaimers/SCI_OL_2P_Disclaimers.pdf</u> describes known artefacts.

SCI_OL_2P products contain geolocated vertical column amounts of O₃, NO₂ Nadir measurements as well as stratospheric Limb profiles of O₃, NO₂.

7.1.2 Auxiliary Data Files

Input for Level 2 Offline processing is the Initialization File SCI_IN_AXNPDE20041221_112322_00000000000_000000_000000_00000.N1, that usually is changed only in case of a processor upgrade.

7.1.3 Monitoring results

In future reports results on Limb and Nadir products will be presented here.

8 VALIDATION ACTIVITIES AND RESULTS

8.1 SCIAMACHY-ECMWF Comparisons using SCI_RV_2P

8.1.1 Summary of the ECMWF SCIAMACHY monthly report for May 2005

- SCIAMACHY data quality stable in May.
- SCIAMACHY data about 5 DU lower in the global mean than ECMWF ozone values.
- Decrease of the SCIAMACHY data standard deviations in the global mean.
- This monitoring report was produced with the operational ECMWF model (CY29R1).



The full report is available at http://earth.esa.int/pcs/envisat/tmp_calval_res/

Below see the ECMWF plot on SCIAMACHY mean observation in DU.

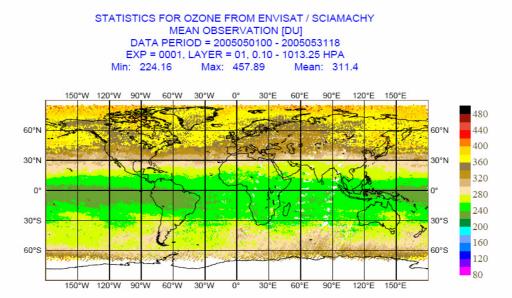


Fig. 8-1: Ozone Mean ECMWF May 2005

8.1.2 Summary of the ECMWF SCIAMACHY monthly report for June 2005

- SCIAMACHY data quality stable throughout June.
- SCIAMACHY data about 5 DU lower in the global mean than ECMWF ozone values.
- Decrease of the SCIAMACHY data standard deviations in the global mean.
- On 28 June the operational ECMWF model version changed from version CY29R1 to CY29R2.

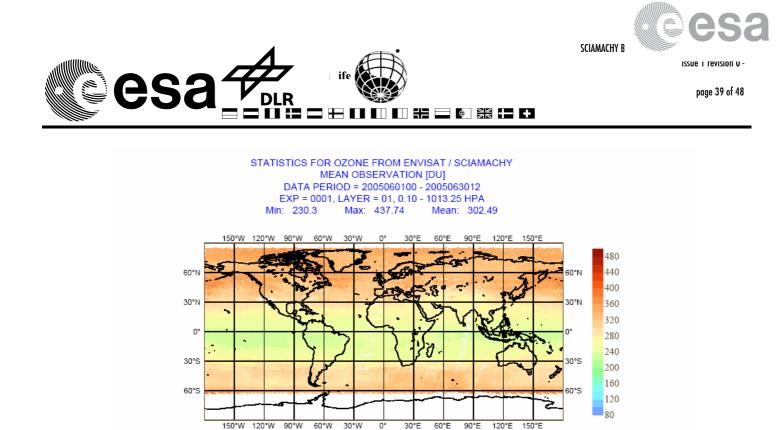


Fig. 8-2: Ozone Mean ECMWF June 2005

8.2 Statistics from Inter comparison with External Data

Future reports will contain information on this issue.



S

page 40 of 48

APPENDIX A

ife

esa

Туре	ADF Name
PE1 AX	SCI PE1 AXVIEC20050127 112836 20050123 000000 20900101 000000
_	SCI PE1 AXVIEC20050526 092947 20050508 000000 20900101 000000
	SCI PE1 AXVIEC20050627 154704 20050621 000000 20900101 000000
SP1 AX	SCI SP1 AXVIEC20050428 131041 20050424 000000 20051001 000000
	SCI_SP1_AXVIEC20050526_093838_20050523_000000_20051101_000000
	SCI_SP1_AXVIEC20050627_160323_20050621_000000_20051201_000000
SU1 AX	SCI SU1 AXVIEC20050504 001229 20050501 003025 20050515 020803
Sei_in	SCI_SU1_AXVIEC20050505_000903_20050502_013634_20050516_214800
	SCI_SU1_AXVIEC20050506_001317_20050503_010853_20050517_211622
	SCI_SU1_AXVIEC20050507_025121_20050504_032836_20050518_222447
	SCI_SU1_AXVIEC20050508_003036_20050505_014318_20050519_215245
	SCI SU1 AXVIEC20050509 001930 20050506 011304 20050520 212253
	SCI_SU1_AXVIEC20050510_001750_20050500_011504_20050520_2122555 SCI_SU1_AXVIEC20050510_002058_20050507_004250_20050521_222703
	SCI_SU1_AXVIEC20050511_002058_20050507_004250_20050521_222705 SCI_SU1_AXVIEC20050511_165441_20050508_172307_20050522_215446
	SCI_SU1_AXVIEC20050512_001803_20050509_183727_20050523_212651
	SCI_SU1_AXVIEC20050512_001805_20050509_185727_20050525_212051 SCI_SU1_AXVIEC20050513_002829_20050510_004156_20050524_022123
	SCI_SU1_AXVIEC20050514_004319_20050511_015005_20050525_220300
	SCI_SU1_AXVIEC20050516_001305_20050513_114027_20050527_224001
	SCI_SU1_AXVIEC20050517_001355_20050514_045408_20050528_220802
	SCI_SU1_AXVIEC20050518_001111_20050515_012934_20050529_213945
	SCI_SU1_AXVIEC20050519_002544_20050516_005957_20050530_114352
	SCI_SU1_AXVIEC20050520_042424_20050517_050241_20050531_221602
	SCI_SU1_AXVIEC20050521_001411_20050518_013421_20050601_214317
	SCI_SU1_AXVIEC20050522_003037_20050519_010452_20050602_114858
	SCI_SU1_AXVIEC20050523_000735_20050520_003641_20050603_021122
	SCI_SU1_AXVIEC20050524_000922_20050521_013914_20050604_215016
	SCI_SU1_AXVIEC20050525_000608_20050522_010734_20050605_211845
	SCI_SU1_AXVIEC20050526_002014_20050523_003847_20050606_222742
	SCI_SU1_AXVIEC20050527_004119_20050524_014444_20050607_215359
	SCI_SU1_AXVIEC20050601_144854_20050529_145117_20050612_223917
	SCI_SU1_AXVIEC20050607_085343_20050525_201009_20050608_212348
	SCI_SU1_AXVIEC20050607_090626_20050526_004419_20050609_022110
	SCI_SU1_AXVIEC20050607_093907_20050527_001323_20050610_015221
	SCI_SU1_AXVIEC20050607_095251_20050528_201257_20050611_212849
	SCI_SU1_AXVIEC20050607_100106_20050530_001850_20050613_015631
	SCI_SU1_AXVIEC20050607_101251_20050531_202026_20050614_213639
	SCI_SU1_AXVIEC20050604_221022_20050601_224352_20050616_002703
	SCI_SU1_AXVIEC20050606_114648_20050603_121708_20050617_214046
	SCI_SU1_AXVIEC20050606_203435_20050603_202849_20050617_214046
	SCI_SU1_AXVIEC20050607_001159_20050604_021301_20050618_114712
	SCI_SU1_AXVIEC20050607_102023_20050602_002519_20050616_020301
	SCI_SU1_AXVIEC20050608_003012_20050605_002931_20050619_020850
	SCI_SU1_AXVIEC20050609_001415_20050606_025127_20050620_214549
	SCI_SU1_AXVIEC20050610_001101_20050607_010859_20050621_115230
	SCI_SU1_AXVIEC20050611_003231_20050608_003636_20050622_021434

issue i revision u -

3

page 41 of 48

	SCI SU1 AXVIEC20050612 002707 20050609 000413 20050623 014454
	SCI_SU1_AXVIEC20050613_003337_20050610_011302_20050624_212210
	SCI_SU1_AXVIEC20050614_001219_20050611_004332_20050625_021952
	SCI_SU1_AXVIEC20050615_001541_20050612_001109_20050626_015044
	SCI_SU1_AXVIEC20050616_001355_20050613_011723_20050627_212759
	SCI_SU1_AXVIEC20050617_001032_20050614_004842_20050628_223707
	SCI_SUI_AXVIEC20050617_001052_20050014_004842_20050028_225707 SCI_SUI_AXVIEC20050618_001149_20050615_001704_20050629_015546
	SCI_SUI_AXVIEC20050618_001149_20050615_001704_20050629_013540 SCI_SUI_AXVIEC20050619_011127_20050616_012426_20050630_213147
	SCI_SU1_AXVIEC20050620_003409_20050617_005456_20050701_020703
	SCI_SU1_AXVIEC20050621_154543_20050618_205508_20050702_220843
	SCI_SU1_AXVIEC20050622_031911_20050619_024328_20050703_213936
	SCI_SU1_AXVIEC20050627_102410_20050620_100344_20050704_114352
	SCI_SU1_AXVIEC20050627_104855_20050621_002619_20050705_020454
	SCI_SU1_AXVIEC20050627_120217_20050622_001729_20050706_013536
	SCI_SU1_AXVIEC20050627_180417_20050624_174811_20050708_222012
	SCI_SU1_AXVIEC20050628_140333_20050625_140353_20050710_115512
	SCI_SU1_AXVIEC20050629_004902_20050626_022224_20050710_115512
	SCI_SU1_AXVIEC20050812_150540_20050627_004003_20050711_021634
LK1_AX	SCI_LK1_AXVIEC20050502_040339_20050501_064416_20050515_075426
—	SCI_LK1_AXVIEC20050502_041638_20050501_083118_20050515_093602
	SCI LK1 AXVIEC20050502 042839 20050501 103443 20050515 111453
	SCI_LK1_AXVIEC20050502_043608_20050501_111401_20050515_125348
	SCI LK1 AXVIEC20050502 044317 20050501 125219 20050515 143243
	SCI LK1 AXVIEC20050502 045110 20050501 143159 20050515 155715
	SCI LK1 AXVIEC20050502 045909 20050501 144834 20050515 160747
	SCI LK1 AXVIEC20050503 032203 20050502 061331 20050516 153917
	SCI_LK1_AXVIEC20050503_032205_20050502_001051_20050516_105514 SCI_LK1_AXVIEC20050503_032307_20050502_080045_20050516_072303
	SCI_LK1_AXVIEC20050503_032941_20050502_102016_20050516_140119
	SCI_LK1_AXVIEC20050505_052541_20050502_122140_20050516_140115 SCI_LK1_AXVIEC20050503_033218_20050502_161704_20050516_171718
	SCI_LK1_AXVIEC20050505_055218_20050502_101704_20050510_171718 SCI_LK1_AXVIEC20050505_013211_20050503_164238_20050517_182519
	SCI_LK1_AXVIEC20050505_015211_20050505_104258_20050517_182517 SCI_LK1_AXVIEC20050505_015513_20050504_064852_20050518_080022
	SCI_LKI_AXVIEC20050505_015515_20050504_004852_20050518_080022 SCI_LK1_AXVIEC20050505_022643_20050504_125859_20050518_143845
	SCI_LKI_AXVIEC20050505_022045_20050504_125859_20050518_145845 SCI_LK1_AXVIEC20050505_023928_20050504_111920_20050518_130015
	SCI_LK1_AXVIEC20050505_074320_20050503_072334_20050517_083035
	SCI_LK1_AXVIEC20050505_074722_20050503_084625_20050517_101246
	SCI_LK1_AXVIEC20050505_081026_20050503_111153_20050517_115121
	SCI_LK1_AXVIEC20050505_083013_20050503_133041_20050517_150851
	SCI_LK1_AXVIEC20050505_084709_20050503_150803_20050517_164510
	SCI_LK1_AXVIEC20050507_030352_20050505_091016_20050519_072930
	SCI_LK1_AXVIEC20050507_031615_20050505_122826_20050519_122909
	SCI_LK1_AXVIEC20050507_032155_20050505_172132_20050519_190149
	SCI_LK1_AXVIEC20050507_033318_20050506_065650_20050520_083959
	SCI_LK1_AXVIEC20050507_034035_20050506_101801_20050520_115825
	SCI_LK1_AXVIEC20050507_034903_20050506_133612_20050520_151508
	SCI_LK1_AXVIEC20050507_035318_20050506_151348_20050520_165231
	SCI_LK1_AXVIEC20050508_022827_20050506_165002_20050520_182916
	SCI_LK1_AXVIEC20050508_023837_20050507_065615_20050521_080444
	SCI_LK1_AXVIEC20050508_024856_20050507_080353_20050521_094529
	SCI_LK1_AXVIEC20050508_030144_20050507_094416_20050521_112432
	SCI_LK1_AXVIEC20050508_031203_20050507_112300_20050521_130342
	SCI_LK1_AXVIEC20050508_032610_20050507_130227_20050521_144251

ife

DL

3 🗖

esa 4

issue i revision u -

page 42 of 48

SA

ife

esa

SCI_LKI_AXVIEC20050509_031903_20050507_161520_20050521_16325 SCI_LKI_AXVIEC20050509_034034_20050507_17332_20050521_193510 SCI_LKI_AXVIEC20050509_040548_20050508_073212_20050522_105304 SCI_LKI_AXVIEC20050509_041242_20050508_105214_20050522_123216 SCI_LKI_AXVIEC20050509_041242_20050508_105214_20050522_123216 SCI_LKI_AXVIEC20050509_041242_20050508_105214_20050522_1341125 SCI_LKI_AXVIEC20050509_042716_20050508_141025_20050522_141125 SCI_LKI_AXVIEC20050519_043645_20050508_17037307_20050522_172524 SCI_LKI_AXVIEC20050512_031139_20050510_162297_20050524_180238 SCI_LKI_AXVIEC20050512_03139_20050511_062911_20050525_073921 SCI_LKI_AXVIEC20050512_03139_20050510_070052_20050524_080928 SCI_LKI_AXVIEC20050512_07531_20050510_070502_20050524_080928 SCI_LKI_AXVIEC20050512_08133_20050510_13908817_20050524_080928 SCI_LKI_AXVIEC20050512_08133_20050510_09057_20050524_080928 SCI_LKI_AXVIEC20050512_08215 SCI_LKI_AXVIEC20050513_022412_20050510_139098_20050524_144750 SCI_LKI_AXVIEC20050513_022474_20050511_017374_20050525_133103 SCI_LKI_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LKI_AXVIEC20050513_024744_20050513_123007_20050525_131537 SCI_LKI_AXVIEC20050514_023445_20050513_141345_20050525_132452 SCI_LKI_AXVIEC20050515_03771_20050513_1413745_20050525_134512 S	
SCI_LKI_AXVIEC20050509_034034_20050507_161520_2005052_175625 SCI_LKI_AXVIEC20050509_040434_20050508_073212_20050522_001356 SCI_LKI_AXVIEC20050509_040548_2005058_073212_20050522_103304 SCI_LKI_AXVIEC20050509_041242_20050508_105214_20050522_123216 SCI_LKI_AXVIEC20050509_041742_20050508_123046_20050522_14125 SCI_LKI_AXVIEC20050509_042716_2005058_124046_20050522_14707 SCI_LKI_AXVIEC20050509_042716_20050508_154435_20050522_172524 SCI_LKI_AXVIEC20050510_014654_20050508_154435_20050522_17255 SCI_LKI_AXVIEC20050512_024814_20050510_162257_20050524_180238 SCI_LKI_AXVIEC20050512_03733 SCI_LKI_AXVIEC20050512_075331_20050510_0680817_20050525_073921 SCI_LKI_AXVIEC20050512_075331_20050510_080817_20050524_009215 SCI_LKI_AXVIEC20050512_08153 20050510_080817_20050524_113103 SCI_LKI_AXVIEC20050512_08215_20050510_146430_20050524_113103 SCI_LKI_AXVIEC20050512_08215_20050511_091916_0005052_105916 SCI_LKI_AXVIEC20050513_024744 SCI_LKI_AXVIEC20050513_023474 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050513_02347 SCI_LKI_AXVIEC20050514_02347	SCI_LK1_AXVIEC20050508_034101_20050507_140231_20050521_142147
SCI_LKI_AXVIEC20050509_034034_20050507_75352_20050522_091356 SCI_LKI_AXVIEC20050509_041242_20050508_012132_0050522_105304 SCI_LKI_AXVIEC20050509_041242_20050508_102123_20050522_113216 SCI_LKI_AXVIEC20050509_041242_20050508_1213046_20050522_112316 SCI_LKI_AXVIEC20050509_041242_20050508_141025_20050522_172524 SCI_LKI_AXVIEC20050509_043645_20050508_172307_20050522_172524 SCI_LKI_AXVIEC20050510_014654_20050508_172307_20050522_172524 SCI_LKI_AXVIEC20050512_03139_20050510_072072_0050524_180238 SCI_LKI_AXVIEC20050512_03138_20050510_073731_20050525_092007 SCI_LKI_AXVIEC20050512_07531_20050510_070052_20050524_080928 SCI_LKI_AXVIEC20050512_07531_20050510_095057_0050524_113103 SCI_LKI_AXVIEC20050512_082121_20050510_109507_0050524_113103 SCI_LKI_AXVIEC20050512_08215_20050510_112928_20050524_113103 SCI_LKI_AXVIEC20050513_022817_20050510_144630_20050524_162520 SCI_LKI_AXVIEC20050513_022817_20050510_142630_20050524_162520 SCI_LKI_AXVIEC20050513_022812_20050511_091916_20050525_15412 SCI_LKI_AXVIEC20050513_023918_20050511_123725_20050527_131337 SCI_LKI_AXVIEC20050513_023918_20050511_14545_20050527_1314304 SCI_LKI_AXVIEC20050515_0132462_20050513_12828_20050527_145304 SCI_LKI_AXVIEC20050515_0132462_20050513_12810428_20050527_145304 SCI_LKI_AXVIEC20050515_03272_20050513_18648_20050527_145304 <	
SCI_LKI_AXVIEC20050509_040548_2005058_07212_2005052_010304 SCI_LKI_AXVIEC20050509_041242_20050508_105214_20050522_123216 SCI_LKI_AXVIEC20050509_041242_20050508_123046_20050522_123216 SCI_LKI_AXVIEC20050509_041242_20050508_14232 SCI_LKI_AXVIEC20050509_041242_20050508_1441025_20050522_172524 SCI_LKI_AXVIEC20050510_014654_20050508 SCI_LKI_AXVIEC20050512_024814_20050510_16227_20050522_07321 SCI_LKI_AXVIEC20050512_03238_20050511_073731_20050525_073921 SCI_LKI_AXVIEC20050512_07531_20050510_070052_20050524_08928 SCI_LKI_AXVIEC20050512_08130_20050510_070052_20050524_08928 SCI_LKI_AXVIEC20050512_08130_20050510_070052_0050524_08928 SCI_LKI_AXVIEC20050512_08130_20050510_070052_0050524_08928 SCI_LKI_AXVIEC20050512_08212_02050510_12928_20050524_131013 SCI_LKI_AXVIEC20050512_08215_20050510_130908_20050524_144750 SCI_LKI_AXVIEC20050513_022812_20050511_091916_20050525_125412 SCI_LKI_AXVIEC20050513_022812_20050511_105747_20050525_125412 SCI_LKI_AXVIEC20050513_023918_20050511_15116_20050525_155412 SCI_LKI_AXVIEC20050513_023918_20050511_15116_20050525_15412 SCI_LKI_AXVIEC20050514_02347_20050513_1314284_20050527_14333 SCI_LKI_AXVIEC20050515_03244_20050511_1511462_20050525_155412 SCI_LKI_AXVIEC20050515_03275_2005051_151314284 SCI_LKI_AXVIEC20050515_03275_2005051_15131	
SCI_LKI_AXVIEC2005069_040548_20050508_123046 SCI_LKI_AXVIEC20050509_041242_20050508_123046 SCI_LKI_AXVIEC20050509_0412716_20050508_123046 SCI_LKI_AXVIEC20050509_043645_20050508_123046 SCI_LKI_AXVIEC20050509_043645_20050508_172307_20050522_190255 SCI_LKI_AXVIEC20050512_024814_20050508_172307_20050522_09255 SCI_LKI_AXVIEC20050512_03139_20050511_073731_20050525_073921 SCI_LKI_AXVIEC20050512_032938_20050511_073731_20050525_092007 SCI_LKI_AXVIEC20050512_075531_20050510_070057_20050524_080288 SCI_LKI_AXVIEC20050512_07531_20050510_070057_20050524_095155 SCI_LKI_AXVIEC20050512_08121_20050510_130908_20050524_095155 SCI_LKI_AXVIEC20050512_082121_20050510_130908_20050524_131013 SCI_LKI_AXVIEC20050512_082151_20050510_130908_20050524_146520 SCI_LKI_AXVIEC20050513_022353_20050511_102928_20050525_15916 SCI_LKI_AXVIEC20050513_022353_20050511_102747_20050525_159216 SCI_LKI_AXVIEC20050513_024744_20050511_123726_20050525_15412 SCI_LKI_AXVIEC200050513_024744_20050511_123007_20050527_131537 SCI_LKI_AXVIEC200050514_023445_20050513_14454 SCI_LKI_AXVIEC200050514_023445_20050513_145107_20050527_14354 SCI_LKI_AXVIEC200050514_023445_20050513_145107_20050527_14354 SCI_LKI_AXVIEC200050515_031242_20050513_16280_20050527_148304 SCI_LKI_AXVIEC200050515_031242_20050513_162842_000	
SCI_LK1_AXVIEC20050509_041242_2005008_105214_20050522_12316 SCI_LK1_AXVIEC20050509_041933_20050508_110221_23046_2005022_154707 SCI_LK1_AXVIEC20050509_043645_20050508_114025_20050522_19255 SCI_LK1_AXVIEC20050510_014654_20050508_112307_20050522_190255 SCI_LK1_AXVIEC200050512_024814_20050510_162257_20050524_180238 SCI_LK1_AXVIEC200050512_024814_20050510_162257_20050524_08028 SCI_LK1_AXVIEC200050512_075531_20050510_0700522_0050524_08028 SCI_LK1_AXVIEC20050512_075830_20050510_080817_2005024_08028 SCI_LK1_AXVIEC20050512_08215_20050510_1095057_2005024_113103 SCI_LK1_AXVIEC20050512_08215_20050510_130908_2005024_113103 SCI_LK1_AXVIEC20050512_0822615_20050510_130908_2005024_16250 SCI_LK1_AXVIEC20050512_082807_20050510_130908_2005025_163916 SCI_LK1_AXVIEC20050513_023123_20050511_05747_2005025_153825 SCI_LK1_AXVIEC20050513_02342812_20050511_105747_2005025_132825 SCI_LK1_AXVIEC20050513_030943_20050511_155145_20050525_173226 SCI_LK1_AXVIEC20050513_030943_20050511_155145_20050527_163123 SCI_LK1_AXVIEC20050514_023448_20050513_131428_20050527_163123 SCI_LK1_AXVIEC20050515_02346_20050513_164048_20050527_164324 SCI_LK1_AXVIEC20050515_031226_0050514_142335_20050527_163123 SCI_LK1_AXVIEC20050515_031226_0050514_142335_20050528_14304 SCI_LK1_AXVIEC200050515_031226_20050514_142335_20050527_14834 <	
SCI_LK1_AXVIEC2005050_041933_2005008_123046_20050522_14707 SCI_LK1_AXVIEC2005050_042716_20050508_141025_20050522_154707 SCI_LK1_AXVIEC2005051_043645_20050508_172307_20050522_190255 SCI_LK1_AXVIEC20005012_024814_20050508_172307_20050522_190255 SCI_LK1_AXVIEC20005012_024814_2005011_062257_20050524_180238 SCI_LK1_AXVIEC20005012_032938_2005011_073731_20050525_092007 SCI_LK1_AXVIEC20005012_07531_2005010_070052_20050524_080288 SCI_LK1_AXVIEC20050512_081231_2005010_070057_2005024_080288 SCI_LK1_AXVIEC20050512_082121_2005010_130908_20050524_131013 SCI_LK1_AXVIEC20050512_082121_2005010_130908_20050524_14750 SCI_LK1_AXVIEC20050512_082121_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_12928_20050525_15812 SCI_LK1_AXVIEC20050513_022812_20050511_105747_20050525_158412 SCI_LK1_AXVIEC20050513_025918_20050511_15716_20050525_173226 SCI_LK1_AXVIEC20050514_023474_20050513_123007_20050525_181153 SCI_LK1_AXVIEC20050514_023477_20050513_123007_20050527_143304 SCI_LK1_AXVIEC20050514_023472_20050513_14282_20050527_14334 SCI_LK1_AXVIEC20050514_024851_20050513_162830_2005027_14334 SCI_LK1_AXVIEC20050514_0244851_20050513_162830_2005027_148344 SCI_LK1_AXVIEC20050515_031226_20050514_124335_20050527_148344 SCI_LK1_AXVIEC20050515_03721_20050514_124335_20050527_148344	
SCI_LK1_AXVIEC20050509_042716_20050508_141025_20050522_172524 SCI_LK1_AXVIEC20050510_014545_20050508_172307_20050522_179254 SCI_LK1_AXVIEC20050512_024814_20050510_162257_20050524_180238 SCI_LK1_AXVIEC20050512_024814_20050510_162257_20050524_180238 SCI_LK1_AXVIEC20050512_031139_20050511_070351_20050525_073921 SCI_LK1_AXVIEC20050512_075331_20050510_070052_20050524_080928 SCI_LK1_AXVIEC20050512_075331_20050510_070052_20050524_080928 SCI_LK1_AXVIEC200050512_082151_20050510_070052_20050524_131013 SCI_LK1_AXVIEC200050512_082151_20050510_112928_20050524_1431013 SCI_LK1_AXVIEC200050512_082151_20050510_112908_20050524_1447500 SCI_LK1_AXVIEC20050513_022812_20050511_105747_20050252_162510 SCI_LK1_AXVIEC20050513_022812_20050511_105747_20050252_163916 SCI_LK1_AXVIEC20050513_0224744_20050511_105747_20050252_155412 SCI_LK1_AXVIEC20050513_024744_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_012347_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_0123427_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050515_033721_20050513_124072_0050527_138936 SCI_LK1_AXVIEC20050515_033721_20050513_12400528_142437 SCI_LK1_AXVIEC20050515_03275_20050513_123007 SCI_LK1_AXVIEC20050515_033721_20050514_142335_2005028_19434 SCI_LK1_AXVIEC20050515_033721_20050514_124335_2005028_19434	
SCI_LKI_AXVIEC20050509_043645_20050508_172307_20050522_172524 SCI_LKI_AXVIEC20050510_014654_20050508_172307_20050522_180238 SCI_LKI_AXVIEC20050512_032938_20050511_062911_20050525_073921 SCI_LKI_AXVIEC20050512_032938_20050511_073731_20050525_092007 SCI_LKI_AXVIEC20050512_075331_20050510_070052_20050524_080928 SCI_LKI_AXVIEC20050512_075331_20050510_070052_20050524_095155 SCI_LKI_AXVIEC20050512_081133_20050510_095057_20050524_113103 SCI_LKI_AXVIEC20050512_082121_20050510_140630_20050524_144750 SCI_LKI_AXVIEC20050512_082515_20050511_0908_20050524_162520 SCI_LKI_AXVIEC20050512_082807_20050511_091916_20050252_123825 SCI_LKI_AXVIEC20050513_024744_20050511_123726_20050525_13916 SCI_LKI_AXVIEC20050513_024744_20050511_127372_0050525_153412 SCI_LKI_AXVIEC20050513_024744_20050511_141545_20050525_153412 SCI_LKI_AXVIEC20050514_013325_20050511_172935_20050527_131237 SCI_LKI_AXVIEC20050514_02347_20050513_131428_20050527_131237 SCI_LKI_AXVIEC20050515_03126_20050513_142435_20050527_163124 SCI_LKI_AXVIEC20050515_03275_20050513_124357 SCI_LKI_AXVIEC20050515_03126_20050513_131428_20050527_163124 SCI_LKI_AXVIEC20050515_032755_20050514_142355_20050528_142437 SCI_LKI_AXVIEC20050515_031272_20050515_121310_2005028_14993 SCI_LKI_AXVIEC20050515_031272_20050515_121310_2005028_114993	
SCI_LKI_AXVIEC2005010_014654_20050508_172307_20050522_190255 SCI_LKI_AXVIEC20050512_024814_20050510_162257_20050524_180238 SCI_LKI_AXVIEC20050512_032938_20050511_073731_20050525_073921 SCI_LKI_AXVIEC20050512_075531_20050510_070052_0095525_082007 SCI_LKI_AXVIEC20050512_075830_20050510_070052_0005524_080928 SCI_LKI_AXVIEC20050512_08153 SCI_LKI_AXVIEC20050512_082121_20050510_1090857_20050524_131013 SCI_LKI_AXVIEC20050512_082515_20050510_130908_20050524_144750 SCI_LKI_AXVIEC20050512_082515_20050510_130908_20050524_162520 SCI_LKI_AXVIEC20050513_022812_20050511_091916_20050525_123825 SCI_LKI_AXVIEC20050513_022812_20050511_105747_20050525_123825 SCI_LKI_AXVIEC20050513_02918_20050511_155116_20050525_15412 SCI_LKI_AXVIEC20050514_024744_20050511_123726_20050525_191115 SCI_LKI_AXVIEC20050514_024742_20050513_14545_20050525_15412 SCI_LKI_AXVIEC20050514_024918_20050513_14545_20050527_163122 SCI_LKI_AXVIEC20050514_024148_20050513_131428_20050527_163122 SCI_LKI_AXVIEC20050514_0244851_20050513_145107_20050527_163122 SCI_LKI_AXVIEC20050515_03126_20050513_1450648_20050527_163122 SCI_LKI_AXVIEC20050515_03275_20050514_142335_20050528_110419 SCI_LKI_AXVIEC20050515_033721_2005514_140334_2005528_19043 SCI_LKI_AXVIEC20050515_03275_2005515_103343_2005528_10419 SCI_LKI_AXVI	
SCI_LK1_AXVIEC2005012_024814_20050510_162257_20050524_180238 SCI_LK1_AXVIEC20050512_032938_20050511_062911_20050525_073921 SCI_LK1_AXVIEC20050512_075331_20050510_07052_20050524_08928 SCI_LK1_AXVIEC20050512_075331_20050510_070052_20050524_095155 SCI_LK1_AXVIEC20050512_07830_20050510_080817_20050524_13103 SCI_LK1_AXVIEC20050512_082121_20050510_130908_2005524_13103 SCI_LK1_AXVIEC20050512_082212_20050510_130908_2005524_13103 SCI_LK1_AXVIEC20050512_082807_20050510_144630_2005224_162520 SCI_LK1_AXVIEC20050513_022852_20050511_015747_20050525_123825 SCI_LK1_AXVIEC20050513_024742_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_024742_20050511_141545_20050525_15412 SCI_LK1_AXVIEC20050513_024742_20050511_141545_20050525_15412 SCI_LK1_AXVIEC20050514_0247_20050513_123007_20050527_145304 SCI_LK1_AXVIEC20050514_02247_20050513_123007_20050527_163123 SCI_LK1_AXVIEC20050515_0140242 SCI_LK1_AXVIEC20050515_0140242 SCI_LK1_AXVIEC20050515_031226_20050513_180648_20050527_163122 SCI_LK1_AXVIEC20050515_031226_20050513_180648_20050527_180936 SCI_LK1_AXVIEC20050515_03122_0050514_142335_2005528_174900 SCI_LK1_AXVIEC20050515_03372_20050514_102342_0005528_162233 SCI_LK1_AXVIEC20050515_03372_20050513_180648_20050527_14824 SCI_LK1_AXVIEC20050515_03372_20050515_103343_2005	
SCI_LK1_AXVIEC20050512_031139_20050511_062911_20050525_073921 SCI_LK1_AXVIEC20050512_075531_20050510_070052_20050524_080928 SCI_LK1_AXVIEC20050512_075531_20050510_070052_20050524_089215 SCI_LK1_AXVIEC20050512_081153_20050510_080817_20050524_095155 SCI_LK1_AXVIEC20050512_081153_20050510_080817_20050524_113103 SCI_LK1_AXVIEC20050512_082515_20050510_112928_20050524_114150 SCI_LK1_AXVIEC20050512_082807_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_015747_0050525_123825 SCI_LK1_AXVIEC20050513_022812_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_023673_20050511_123726_20050525_155412 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_155412 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_131337 SCI_LK1_AXVIEC20050514_02347_20050513_123007_20050527_131337 SCI_LK1_AXVIEC20050515_01226_20050513_131428_20050527_148304 SCI_LK1_AXVIEC20050515_031226_20050513_180648_20050527_18936 SCI_LK1_AXVIEC20050515_031226_20050514_16233_20050528_142437 SCI_LK1_AXVIEC20050515_031226_20050514_160154_20050528_179900 SCI_LK1_AXVIEC20050516_034125_20050514_160154_20050528_179900 SCI_LK1_AXVIEC20050516_03122_20050515_121210_20050528_193154 SCI_LK1_AXVIEC20050516_03752_20050515_123330_20050529_135154 SCI_LK1_AXVIEC20050516_0372_20050515_123339_20050529_13514 </th <th></th>	
SCI_LK1_AXVIEC20050512_032938_20050511_073731_20050525_092007 SCI_LK1_AXVIEC20050512_075531_20050510_0080817_20050524_095155 SCI_LK1_AXVIEC20050512_081153_20050510_080817_20050524_113103 SCI_LK1_AXVIEC20050512_082121_20050510_112928_20050524_113103 SCI_LK1_AXVIEC20050512_082215_20050510_130908_20050524_162520 SCI_LK1_AXVIEC20050513_022815_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_0191916_20050525_105916 SCI_LK1_AXVIEC20050513_023533_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_023742 SCI_LK1_AXVIEC20050513_023918_20050511_15116_20050525_159116 SCI_LK1_AXVIEC20050514_023247 SCI_LK1_AXVIEC20050514_023247 SCI_LK1_AXVIEC20050514_023247 SCI_LK1_AXVIEC20050514_023247 SCI_LK1_AXVIEC20050515_014024 SCI_LK1_AXVIEC20050515_0131482 SCI_LK1_AXVIEC20050515_014024 SCI_LK1_AXVIEC20050515_032765 SCI_LK1_AXVIEC20050515_032765 SCI_LK1_AXVIEC20050515_032765 SCI_LK1_AXVIEC20050515_032765 SCI_LK1_AXVIEC20050515_032765 SCI_LK1_AXVIEC20050515_033721_20050514_12335 SCI_LK1_AXVIEC20050516_03460 SCI_LK1_AXVIEC20050516_03460 SCI_LK1_AXVIEC20050516_03460 SCI_LK1_AXVIEC20050516_03460 <	
SCI_LK1_AXVIEC20050512_075531_20050510_070055_20050524_080928 SCI_LK1_AXVIEC20050512_075531_20050510_080817_20050524_095155 SCI_LK1_AXVIEC20050512_081153_20050510_095057_20050524_113103 SCI_LK1_AXVIEC20050512_082515_20050510_112928_20050524_131013 SCI_LK1_AXVIEC20050512_082515_20050510_130908_20050524_144750 SCI_LK1_AXVIEC20050513_028207_20050511_0091916_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_0091916_20050525_105916 SCI_LK1_AXVIEC20050513_022918_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_029918_20050511_155116_20050525_173133 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050525_191115 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_163122 SCI_LK1_AXVIEC20050515_014_024148_20050513_162830_20050527_163122 SCI_LK1_AXVIEC20050515_03126_2005051_162830_20050527_163122 SCI_LK1_AXVIEC20050515_03126_2005051_162830_20050528_160253 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20005028_110419 SCI_LK1_AXVIEC20050515_033721_20050514_103343_20050529_114237 SCI_LK1_AXVIEC20050516_043129_20050515_103343_20050529_114235 SCI_LK1_AXVIEC20050516_043229_20050515_033731_20050529_103501 SCI_LK1_AXVIEC20050516_043229_20050515_133343_20050529_13501 SCI_LK1_AXVIEC20050516_043229_20050515_135359_20050529_13501 SCI_LK1_AXVIEC20050516_043229_2005015_103343_20050529_13501 <th></th>	
SCI_LK1_AXVIEC20050512_075830_20050510_080817_20050524_095155 SCI_LK1_AXVIEC200050512_081153_20050510_1292820050524_113103 SCI_LK1_AXVIEC20050512_082121_20050510_112928_20050524_144750 SCI_LK1_AXVIEC20050512_082807_20050510_130908_20050524_144750 SCI_LK1_AXVIEC200050513_022812_20050511_091916_20050525_105916 SCI_LK1_AXVIEC200050513_022812_20050511_05747_20050525_123825 SCI_LK1_AXVIEC20050513_022744_20050511_123772_20050525_123825 SCI_LK1_AXVIEC20050513_025918_20050511_123772_0050525_15412 SCI_LK1_AXVIEC20050514_015325_20050511_155116_20050525_191115 SCI_LK1_AXVIEC20050514_015325_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_022474_20050513_131428_20050527_163122 SCI_LK1_AXVIEC20050514_024485_20050513_131428_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_180648_20050527_180936 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_110419 SCI_LK1_AXVIEC20050515_033721_20050514_124355_20050528_110419 SCI_LK1_AXVIEC20050516_033802_20050514_160154_20050528_173900 SCI_LK1_AXVIEC20050516_034264_20050515_103343_20050528_110419 SCI_LK1_AXVIEC20050516_043229_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_042152_20050515_173313_20050529_124135 SCI_LK1_AXVIEC20050516_042152_20050515_173313_20050529_124135 SCI_LK1_AXVIEC20050516_042152_20050515_173313_20050529_124135 <th></th>	
SCI_LK1_AXVIEC20050512_081153_20050510_095057_20050524_113103 SCI_LK1_AXVIEC20050512_082515_20050510_112928_20050524_131013 SCI_LK1_AXVIEC20050512_082515_20050510_130908_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050510_146630_20050525_105916 SCI_LK1_AXVIEC20050513_022553_20050511_091916_20050525_123825 SCI_LK1_AXVIEC20050513_023553_20050511_05747_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_155412 SCI_LK1_AXVIEC20050513_020943_20050511_155116_20050525_155412 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LK1_AXVIEC20005014_023247_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_0244851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_031226_20050514_124335_20050528_142437 SCI_LK1_AXVIEC20050515_03275_20050514_124335_20050528_160253 SCI_LK1_AXVIEC20050516_033602_20050514_160154_20050528_110419 SCI_LK1_AXVIEC20050516_033602_20050515_123343_20050529_103501 SCI_LK1_AXVIEC20050516_042122_20050515_13333_20050529_103501 SCI_LK1_AXVIEC20050516_042122_20050515_071341_20050529_184800 SCI_LK1_AXVIEC20050516_043229_20050515_13333_20050529_170533 SCI_LK1_AXVIEC20050516_0432129_20050515_13333_20050529_1544800 SCI_LK1_AXVIEC20050516_043229_20050515_13333_20050529_1548602 <th></th>	
SCI_LK1_AXVIEC20050512_082121_20050510_112928_20050524_131013 SCI_LK1_AXVIEC20050512_082807_20050510_112908_20050524_144750 SCI_LK1_AXVIEC20050512_082807_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_0282807_20050510_091916_20050525_105916 SCI_LK1_AXVIEC20050513_023553_20050511_05747_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_02918_20050511_155116_20050525_155412 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LK1_AXVIEC20050514_015325_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_145304 SCI_LK1_AXVIEC20050515_02246_2005013_162830_20050527_145304 SCI_LK1_AXVIEC20050515_02346_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_031226_20050513_160648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124335_20050528_140419 SCI_LK1_AXVIEC20050515_031226_20050514_100154_20050528_110419 SCI_LK1_AXVIEC20050516_034640_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_103343_20050529_17427 SCI_LK1_AXVIEC20050516_042152_20050515_103343_20050529_071427 SCI_LK1_AXVIEC20050516_042152_20050515_103343_20050529_071427 SCI_LK1_AXVIEC20050516_042152_20050515_103143_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_103013_2050529_071427	SCI_LK1_AXVIEC20050512_075830_20050510_080817_20050524_095155
SCI_LK1_AXVIEC20050512_082515_20050510_130908_20050524_144750 SCI_LK1_AXVIEC20050512_082807_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_05747_20050525_105916 SCI_LK1_AXVIEC20050513_023553_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_025918_20050511_14545_20050525_173226 SCI_LK1_AXVIEC20050514_02347_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_02347_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_02347_20050513_123007_20050527_145304 SCI_LK1_AXVIEC20050514_024851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_148936 SCI_LK1_AXVIEC20050515_02346_20050513_162830_20050527_148936 SCI_LK1_AXVIEC20050515_033721_20050514_12335_20050528_142437 SCI_LK1_AXVIEC20050515_033721_20050514_160154_20050528_173900 SCI_LK1_AXVIEC20050516_034125_20050515_103342_0050528_110419 SCI_LK1_AXVIEC20050516_03722_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_04722_20050515_103342_0050529_103501 SCI_LK1_AXVIEC20050516_04722_20050515_103342_0050529_085612 SCI_LK1_AXVIEC20050516_04722_20050515_10333_20050529_15435 SCI_LK1_AXVIEC20050516_04722_20050515_103330_20050529_15435 SCI_LK1_AXVIEC20050516_04722_20050515_103330_20050529_15435 <t< th=""><th></th></t<>	
SCI_LK1_AXVIEC20050512_082807_20050510_144630_20050524_162520 SCI_LK1_AXVIEC20050513_022812_20050511_01916_20050525_105916 SCI_LK1_AXVIEC20050513_02355_20050511_10574_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_024744_20050511_141545_20050525_15412 SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_023247_20050513_12007_20050527_131537 SCI_LK1_AXVIEC20050514_02247_20050513_114207_20050527_145304 SCI_LK1_AXVIEC20050514_0244851_20050513_14280_20050527_180936 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_02346_20050514_12435_20050528_160253 SCI_LK1_AXVIEC20050515_032765_20050514_12435_20050528_160253 SCI_LK1_AXVIEC20050515_03275_20050514_10542_20050528_10243 SCI_LK1_AXVIEC20050515_034125_20050515_0133_180648_20050528_10499 SCI_LK1_AXVIEC20050515_034125_20050514_005328_10419 SCI_LK1_AXVIEC20050515_034125_20050515_103342_20050528_173900 SCI_LK1_AXVIEC20050516_04242_20050515_103342_20050529_113501 SCI_LK1_AXVIEC20050516_042152_20050515_103342_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_17334_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_10331_20050529_154800 SCI_LK1_AXVIEC20050516_043462_00050515_10330_20050529_154860	SCI_LK1_AXVIEC20050512_082121_20050510_112928_20050524_131013
SCI_LK1_AXVIEC20050513_022812_20050511_091916_20050525_105916 SCI_LK1_AXVIEC20050513_023553_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_14733 SCI_LK1_AXVIEC20050513_025918_20050511_141545_20050525_155412 SCI_LK1_AXVIEC20050513_02918_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_015325_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_145304 SCI_LK1_AXVIEC20050514_024148_20050513_11428_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_140419 SCI_LK1_AXVIEC20050515_03721_20050514_102340_20050528_110419 SCI_LK1_AXVIEC20050515_03721_20050514_002340_20050528_110419 SCI_LK1_AXVIEC20050516_034125_20050515_08512_20050528_173900 SCI_LK1_AXVIEC20050516_034202_20050515_08512_20050528_173900 SCI_LK1_AXVIEC20050516_043229_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_043229_20050515_103343_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_135359_20050529_151427 SCI_LK1_AXVIEC20050516_043264_20050515_135303_20050529_1514427 SCI_LK1_AXVIEC20050516_043264_20050515_130313_20050529_151427 SCI_LK1_AXVIEC20050516_04326_20050515_170331_20050529_153154 SCI_LK	SCI_LK1_AXVIEC20050512_082515_20050510_130908_20050524_144750
SCI_LK1_AXVIEC20050513_023553_20050511_105747_20050525_123825 SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_025918_20050511_123726_20050525_15412 SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050527_131537 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_145304 SCI_LK1_AXVIEC20050514_024485_120050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_0122246_20050513_180648_20050527_180936 SCI_LK1_AXVIEC20050515_032246_20050514_124335_20050528_142437 SCI_LK1_AXVIEC20050515_032725_20050514_124335_20050528_142437 SCI_LK1_AXVIEC20050515_033721_20050514_02340_20050528_110419 SCI_LK1_AXVIEC20050516_03425_20050515_103343_20050528_110419 SCI_LK1_AXVIEC20050516_034640_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_042152_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_042329_20050515_17331_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_130313_20050529_15154 SCI_LK1_AXVIEC20050517_032152_20050515_17331_20050529_153154 SCI_LK1_AXVIEC20050517_034105_20050515_170531_20050529_153154 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_182236 SCI_LK1_AXVIEC20050517_034712_20050516_071511_20050530_10352 SCI_	SCI_LK1_AXVIEC20050512_082807_20050510_144630_20050524_162520
SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733 SCI_LK1_AXVIEC20050513_025918_20050511_141545_20050525_155412 SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050255_173226 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_023247_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050514_0244851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_194824 SCI_LK1_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_034125_20050514_005340_20050528_110419 SCI_LK1_AXVIEC20050515_034125_20050514_005340_20050528_110419 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050528_10423 SCI_LK1_AXVIEC20050516_04640_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_044042_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_043229_20050515_17331_20050529_17427 SCI_LK1_AXVIEC20050517_032152_20050515_103313_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_10031_20050529_184800 SCI_LK1_AXVIEC20050517_034105_20050516_100311_20050529_184800 SCI	
SCI_LK1_AXVIEC20050513_025918_20050511_141545_20050525_155412 SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_02448_20050513_131428_20050527_145304 SCI_LK1_AXVIEC20050514_0244851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_037212_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050516_037202_20050515_038512_20050528_173900 SCI_LK1_AXVIEC20050516_034125_20050515_038512_20050528_173900 SCI_LK1_AXVIEC20050516_042152_20050515_00572_0050528_191943 SCI_LK1_AXVIEC20050516_04229_20050515_01341_20050529_011427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_043229_20050515_170331_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_07311_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_0731_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_10311_20050530_114352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1	SCI_LK1_AXVIEC20050513_023553_20050511_105747_20050525_123825
SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050525_173226 SCI_LK1_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_131537 SCI_LK1_AXVIEC20050514_024148_20050513_131428_20050527_145304 SCI_LK1_AXVIEC20050514_024851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_194824 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_124355_2005028_160253 SCI_LK1_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_040722_2005015_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_2005015_071341_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_07341_20050529_071427 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_033122_20050515_07341_20050529_170753 SCI_LK1_AXVIEC20050517_034105_20050515_07031_20050529_184800 SCI_LK1_AXVIEC20050517_034122_0050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_03412_20050516_071511_20050530_10352 SCI_LK1_AXVIEC20050517_03412_20050516_071511_20050530_130352 SCI_LK1_A	SCI_LK1_AXVIEC20050513_024744_20050511_123726_20050525_141733
SCI_LKI_AXVIEC20050514_015325_20050511_172935_20050525_191115 SCI_LKI_AXVIEC20050514_023247_20050513_123007_20050527_131537 SCI_LKI_AXVIEC20050514_024148_20050513_131428_20050527_145304 SCI_LKI_AXVIEC20050514_024851_20050513_145107_20050527_163122 SCI_LKI_AXVIEC20050515_014024_20050513_162830_20050527_18936 SCI_LKI_AXVIEC20050515_02246_20050513_162830_20050527_194824 SCI_LKI_AXVIEC20050515_031226_20050514_124355_20050528_1422437 SCI_LKI_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_033725_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_033721_20050515_085512_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050529_103501 SCI_LK1_AXVIEC20050516_040722_20050515_071341_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_043229_20050515_173013_20050529_170753 SCI_LK1_AXVIEC20050517_033526_20050516_071511_200505029_184800 SCI_LK1_AXVIEC20050517_034105_20050516_071511_2005050_0182236 SCI_LK1_AXVIEC20050517_034105_20050516_071511_2005050_0182236 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_10352 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_100352	SCI_LK1_AXVIEC20050513_025918_20050511_141545_20050525_155412
SCI_LKI_AXVIEC20050514_023247_20050513_123007_20050527_131537 SCI_LKI_AXVIEC20050514_024148_20050513_131428_20050527_145304 SCI_LKI_AXVIEC20050514_0244851_20050513_145107_20050527_163122 SCI_LKI_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LKI_AXVIEC20050515_022346_20050513_162830_20050527_194824 SCI_LKI_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LKI_AXVIEC20050515_032755_20050514_142335_20050528_160253 SCI_LKI_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LKI_AXVIEC20050515_034125_20050514_160154_20050528_173900 SCI_LKI_AXVIEC20050516_03464_20050515_085512_20050529_103501 SCI_LKI_AXVIEC20050516_03464_20050515_085512_20050529_103501 SCI_LKI_AXVIEC20050516_03464_20050515_085512_20050529_103501 SCI_LKI_AXVIEC20050516_040722_20050515_103343_20050529_121435 SCI_LKI_AXVIEC20050516_040722_20050515_071341_20050529_071427 SCI_LKI_AXVIEC20050516_043229_20050515_133539_20050529_153154 SCI_LKI_AXVIEC20050516_045846_20050515_133013_20050529_184800 SCI_LKI_AXVIEC20050517_0334105_20050516_071511_20050530_082236 SCI_LKI_AXVIEC20050517_034105_20050516_071511_2005030_082236 SCI_LKI_AXVIEC20050517_034105_20050516_071511_20050530_10352 SCI_LKI_AXVIEC20050517_034105_20050516_071511_20050530_10352 SCI_LKI_AXVIEC20050517_034105_20050516_071511_20050530_100352 SCI	SCI_LK1_AXVIEC20050513_030943_20050511_155116_20050525_173226
SCI_LK1_AXVIEC20050514_024148_20050513_131428_20050527_145304 SCI_LK1_AXVIEC20050514_024851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_142335_20050528_160253 SCI_LK1_AXVIEC20050515_03721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050516_034640_20050515_08512_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_08512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050528_1191943 SCI_LK1_AXVIEC20050516_042152_20050515_071341_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_103313_20050529_170753 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050517_033262_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034012_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034912_20050516_103311_20050530_114352 SCI_LK1_AXVIEC20050517_034912_20050516_10311_20050530_114352 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_132255 SCI_LK1_AXVIEC20050517_044043_20050516_132218_20050530_150114	
SCI_LK1_AXVIEC20050514_024851_20050513_145107_20050527_163122 SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_03721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_03721_20050514_092340_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_060507_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_13013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_071531_20050529_184800 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034192_20050516_10311_20050530_14352 SCI_LK1_AXVIEC20050517_034912_20050516_10311_20050530_14352 SCI_LK1_AXVIEC20050517_034912_20050516_132218_20050530_132255 SCI_LK1_AXVIEC20050517_034912_2050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050514_023247_20050513_123007_20050527_131537
SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936 SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_124355_20050528_160253 SCI_LK1_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_034125_20050514_092340_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_071341_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_044946_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_07511_2005030_082236 SCI_LK1_AXVIEC20050517_034105_20050516_10311_20050530_114352 SCI_LK1_AXVIEC20050517_034105_20050516_10311_20050530_1352 SCI_LK1_AXVIEC20050517_03412_20050516_132218_20050530_132255 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050514_024148_20050513_131428_20050527_145304
SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824 SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_142335_20050528_160253 SCI_LK1_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_034125_20050514_002340_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050528_191943 SCI_LK1_AXVIEC20050516_040722_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_133539_20050529_153154 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_032152_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_10352 SCI_LK1_AXVIEC20050517_035717_20050516_103311_20050530_132255 SCI_LK1_AXVIEC20050517_035717_20050516_10311_20050530_132255 SCI_LK1_AXVIEC20050517_03717_20050516_132218_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050514_024851_20050513_145107_20050527_163122
SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437 SCI_LK1_AXVIEC20050515_032755_20050514_142335_20050528_160253 SCI_LK1_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_034125_20050514_00154_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_121310_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050517_032152_20050515_07031_20050529_184800 SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_100311_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050515_014024_20050513_162830_20050527_180936
SCI LK1 AXVIEC20050515 032755 20050514 142335 20050528 160253 SCI LK1 AXVIEC20050515 033721 20050514 092340 20050528 110419 SCI LK1 AXVIEC20050515 034125 20050514 160154 20050528 173900 SCI LK1 AXVIEC20050516 034640 20050515 103343 20050529 103501 SCI LK1 AXVIEC20050516 035802 20050515 103343 20050529 121435 SCI LK1 AXVIEC20050516 040722 20050515 103443 20050529 101427 SCI LK1 AXVIEC20050516 040722 20050515 103343 20050529 071427 SCI LK1 AXVIEC20050516 042152 20050515 071341 20050529 085612 SCI LK1 AXVIEC20050516 043229 20050515 153013 20050529 153154 SCI LK1 AXVIEC20050517 032152 20050515 170531 20050530 082236 SCI </th <th>SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824</th>	SCI_LK1_AXVIEC20050515_022346_20050513_180648_20050527_194824
SCI_LK1_AXVIEC20050515_033721_20050514_092340_20050528_110419 SCI_LK1_AXVIEC20050515_034125_20050514_160154_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_121435 SCI_LK1_AXVIEC20050516_035802_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_121310_20050529_071427 SCI_LK1_AXVIEC20050516_042152_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034912_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050515_031226_20050514_124355_20050528_142437
SCI_LK1_AXVIEC20050515_034125_20050514_160154_20050528_173900 SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_035802_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_103343_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_121310_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050516_071511_20050529_184800 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_04433_20050516_132218_20050530_150114	SCI_LK1_AXVIEC20050515_032755_20050514_142335_20050528_160253
SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_035802_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_121310_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_042152_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_03526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114	SCI LK1 AXVIEC20050515 033721 20050514 092340 20050528 110419
SCI_LK1_AXVIEC20050516_034640_20050515_085512_20050529_103501 SCI_LK1_AXVIEC20050516_035802_20050515_103343_20050529_121435 SCI_LK1_AXVIEC20050516_040722_20050515_121310_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_042152_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_100311_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_132218_20050530_163745	SCI_LK1_AXVIEC20050515_034125_20050514_160154_20050528_173900
SCI_LK1_AXVIEC20050516_040722_20050515_121310_20050528_191943 SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_135013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_100311_20050530_100352 SCI_LK1_AXVIEC20050517_035717_20050516_100311_20050530_132255 SCI_LK1_AXVIEC20050517_035717_20050516_132218_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 034640 20050515 085512 20050529 103501
SCI_LK1_AXVIEC20050516_042152_20050515_060507_20050529_071427 SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 035802 20050515 103343 20050529 121435
SCI_LK1_AXVIEC20050516_043229_20050515_071341_20050529_085612 SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_03256_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 040722 20050515 121310 20050528 191943
SCI_LK1_AXVIEC20050516_044946_20050515_135359_20050529_153154 SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_03256_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 042152 20050515 060507 20050529 071427
SCI_LK1_AXVIEC20050516_045846_20050515_153013_20050529_170753 SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 043229 20050515 071341 20050529 085612
SCI_LK1_AXVIEC20050517_032152_20050515_170531_20050529_184800 SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 044946 20050515 135359 20050529 153154
SCI_LK1_AXVIEC20050517_033526_20050516_071511_20050530_082236 SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050516 045846 20050515 153013 20050529 170753
SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352 SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	SCI LK1 AXVIEC20050517 032152 20050515 170531 20050529 184800
SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_130238_20050530_163745	SCI LK1 AXVIEC20050517 033526 20050516 071511 20050530 082236
SCI_LK1_AXVIEC20050517_034912_20050516_100311_20050530_114352 SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_132218_20050530_163745	SCI_LK1_AXVIEC20050517_034105_20050516_082127_20050530_100352
SCI_LK1_AXVIEC20050517_035717_20050516_114238_20050530_132255 SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	
SCI_LK1_AXVIEC20050517_040433_20050516_132218_20050530_150114 SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	
SCI_LK1_AXVIEC20050517_041604_20050516_150036_20050530_163745	
SCI_LKI_AXVIEC20030517 073426 20050514 110320 20050528 124501	SCI_LK1_AXVIEC20050517_075426_20050514_110320_20050528_124501
SCI_LK1_AXVIEC20050518_031553_20050517_093130_20050531_111201	

issue i revision u -

3

page 43 of 48

DL

ife

esa⁴

SCI_LK1_AXVIEC20050518_031927_20050516_163607_20050530_181604
SCI_LK1_AXVIEC20050518_032603_20050517_111057_20050531_125125
SCI_LK1_AXVIEC20050518_032826_20050517_064330_20050531_075114
SCI_LK1_AXVIEC20050518_033341_20050517_125037_20050531_142953
SCI_LK1_AXVIEC20050518_033920_20050517_142856_20050531_160736
SCI_LK1_AXVIEC20050518_034644_20050517_160631_20050531_174220
SCI_LK1_AXVIEC20050519_025945_20050518_104013_20050601_121944
SCI_LK1_AXVIEC20050519_031118_20050518_121844_20050601_135844
SCI_LK1_AXVIEC20050519_031623_20050518_071806_20050601_090203
SCI_LK1_AXVIEC20050519_031915_20050518_090046_20050601_104053
SCI_LK1_AXVIEC20050519_032346_20050518_135715_20050601_153721
SCI_LK1_AXVIEC20050520_052027_20050518_171200_20050601_185201
SCI LK1 AXVIEC20050520 052302 20050519 072032 20050602 082804
SCI LK1 AXVIEC20050520 052745 20050519 100941 20050602 114858
SCI ⁻ LK1 ⁻ AXVIEC20050520 ⁻ 053236 ⁻ 20050519 ⁻ 114812 ⁻ 20050602 ⁻ 132816
SCI ⁻ LK1 ⁻ AXVIEC20050520 ⁻ 053624 ⁻ 20050519 ⁻ 132739 ⁻ 20050602 ⁻ 150622
SCI ⁻ LK1 ⁻ AXVIEC20050520 ⁻ 053754 ⁻ 20050519 ⁻ 150514 ⁻ 20050602 ⁻ 164424
SCI ⁻ LK1 ⁻ AXVIEC20050520 ⁻ 074222 ⁻ 20050519 ⁻ 082701 ⁻ 20050602 ⁻ 101023
SCI ⁻ LK1 ⁻ AXVIEC20050521 ⁻ 034236 ⁻ 20050519 ⁻ 164237 ⁻ 20050602 ⁻ 181929
SCI ⁻ LK1 ⁻ AXVIEC20050521 ⁻ 040330 ⁻ 20050520 ⁻ 064647 ⁻ 20050603 ⁻ 075643
SCI ⁻ LK1 ⁻ AXVIEC20050521 ⁻ 041545 ⁻ 20050520 ⁻ 111631 ⁻ 20050603 ⁻ 125712
SCI ⁻ LK1 ⁻ AXVIEC20050521 ⁻ 042932 ⁻ 20050520 ⁻ 125558 ⁻ 20050603 ⁻ 143518
SCI LK1 AXVIEC20050521 043535 20050520 135628 20050603 141814
SCI_LK1_AXVIEC20050521_044705_20050520_143430_20050603_161217
SCI LK1 AXVIEC20050521 045316 20050520 161001 20050603 175111
SCI_LK1_AXVIEC20050522_024200_20050521_061615_20050604_072535
SCI_LK1_AXVIEC20050522_030216_20050521_090511_20050604_104639
SCI_LK1_AXVIEC20050522_030714_20050521_104547_20050604_122601
SCI LK1 AXVIEC20050522 032300 20050521 122527 20050604 140510
SCI LK1 AXVIEC20050522 032903 20050521 140358 20050604 154234
SCI LK1 AXVIEC20050522 033251 20050521 154121 20050604 172014
SCI LK1 AXVIEC20050524 014105 20050521 214903 20050604 232909
SCI_LK1_AXVIEC20050524_022615_20050523_003847_20050606_021728
SCI_LK1_AXVIEC20050524_030246_20050521_171843_20050604_185605
SCI_LK1_AXVIEC20050524_031723_20050522_072838_20050605_083337
SCI_LK1_AXVIEC20050524_031725_20050522_072050_20050605_005557
SCI_LK1_AXVIEC20050524_052410_20050522_005255_20050605_101025
SCI_LK1_AXVIEC20050524_035115_20050522_101515_20050605_113517
SCI_LK1_AXVIEC20050524_034010_20050522_113547_20050605_155450 SCI_LK1_AXVIEC20050524_034656_20050522_133314_20050605_151157
SCI_LK1_AXVIEC20050524_054050_20050522_155514_20050605_151157
SCI_LK1_AXVIEC20050524_040546_20050522_151049_20050605_105045
SCI_LK1_AXVIEC20050524_040540_20050522_104920_20050606_094536
SCI_LK1_AXVIEC20050524_041810_20050525_080151_20050606_094550 SCI_LK1_AXVIEC20050524_042527_20050523_094431_20050606_112430
SCI_LK1_AXVIEC20050524_042527_20050523_094451_20050606_112450 SCI_LK1_AXVIEC20050524_043130_20050523_112302_20050606_130238
SCI_LK1_AXVIEC20050524_045150_20050523_112502_20050606_150258
SCI_LK1_AXVIEC20050524_044540_20050523_150146_20050606_144144 SCI_LK1_AXVIEC20050524_044938_20050523_134123_20050606_140329
SCI_LKI_AXVIEC20050524_044938_20050523_134123_20050606_140329 SCI_LK1_AXVIEC20050524_045523_20050523_140319_20050606_142541
SCI_LK1_AXVIEC20050524_050419_20050523_144005_20050606_161824
SCI_LK1_AXVIEC20050525_010406_20050523_193339_20050606_204413
SCI_LK1_AXVIEC20050525_011210_20050523_204235_20050606_222742
SCI_LK1_AXVIEC20050525_033655_20050524_062150_20050607_073056

ISSUE I REVISION U -

page 44 of 48

ISSUE I REVISION U -

SA

page 45 of 48

ife

esa

SCI_LK1_AXVIEC20050602_220358_20050531_170405_20050614	
SCI_LK1_AXVIEC20050604_022003_20050531_103055_20050614	_
SCI_LK1_AXVIEC20050604_025248_20050531_134906_20050614	_
SCI_LK1_AXVIEC20050603_003530_20050601_071115_20050615	_
SCI_LK1_AXVIEC20050603_004745_20050601_081853_20050615	_
SCI_LK1_AXVIEC20050603_035219_20050601_100024_20050615	
SCI_LK1_AXVIEC20050603_040028_20050602_160346_20050616	
SCI_LK1_AXVIEC20050603_040611_20050602_173959_20050616	_192025
SCI_LK1_AXVIEC20050603_084505_20050601_194751_20050615	
SCI_LK1_AXVIEC20050603_090327_20050601_181043_20050615	
SCI_LK1_AXVIEC20050604_062940_20050602_074713_20050616	_
SCI_LK1_AXVIEC20050605_005620_20050602_110716_20050616	_
SCI_LK1_AXVIEC20050605_045117_20050603_213912_20050617	_232138
SCI_LK1_AXVIEC20050606_080148_20050605_064418_20050619	_075445
SCI_LK1_AXVIEC20050606_091754_20050604_114529_20050618	_114712
SCI_LK1_AXVIEC20050606_092147_20050604_132509_20050618	
SCI_LK1_AXVIEC20050606_092812_20050605_075347_20050619	_093527
SCI_LK1_AXVIEC20050606_114408_20050605_093423_20050619	
SCI_LK1_AXVIEC20050606_135019_20050605_111458_20050619	_125524
SCI_LK1_AXVIEC20050606_145610_20050604_164116_20050618	_181642
SCI_LK1_AXVIEC20050606_151354_20050604_210238_20050618	_225159
SCI_LK1_AXVIEC20050606_161811_20050605_210607_20050619	_221922
SCI_LK1_AXVIEC20050606_174152_20050605_125438_20050619	_143253
SCI_LK1_AXVIEC20050606_184957_20050602_142732_20050616	_160518
SCI_LK1_AXVIEC20050606_193937_20050605_002931_20050619	_020850
SCI_LK1_AXVIEC20050607_053223_20050606_104211_20050620	_122342
SCI_LK1_AXVIEC20050607_054042_20050606_072059_20050620	_090358
SCI_LK1_AXVIEC20050607_073450_20050606_090244_20050620	_104337
SCI_LK1_AXVIEC20050607_105537_20050606_140118_20050620	_154027
SCI_LK1_AXVIEC20050607_110000_20050606_153853_20050620	_171643
SCI_LK1_AXVIEC20050607_120355_20050606_171358_20050620	_185449
SCI_LK1_AXVIEC20050608_072539_20050606_203319_20050620	_214549
SCI_LK1_AXVIEC20050608_092204_20050605_111703_20050619	_125434
SCI_LK1_AXVIEC20050608_092938_20050605_125534_20050619	
SCI_LK1_AXVIEC20050608_095852_20050605_143201_20050619	_161053
SCI_LK1_AXVIEC20050608_100430_20050607_115120_20050621	
SCI_LK1_AXVIEC20050608_101507_20050607_133047_20050621	
SCI_LK1_AXVIEC20050608_102002_20050607_083009_20050621	_101223
SCI_LK1_AXVIEC20050608_102447_20050607_101140_20050621	_115230
SCI_LK1_AXVIEC20050608_103518_20050607_150714_20050621	
SCI_LK1_AXVIEC20050608_111257_20050607_164546_20050621	_182324
SCI_LK1_AXVIEC20050609_091140_20050607_072340_20050621	_083101
SCI_LK1_AXVIEC20050609_093611_20050604_150340_20050618	
SCI_LK1_AXVIEC20050609_093851_20050604_100658_20050618	
SCI_LK1_AXVIEC20050609_094356_20050604_082418_20050618	
SCI_LK1_AXVIEC20050609_094657_20050604_071801_20050618	_
SCI_LK1_AXVIEC20050609_100016_20050603_170820_20050617	
SCI_LK1_AXVIEC20050609_100223_20050603_153315_20050617	
SCI_LK1_AXVIEC20050609_120214_20050607_195907_20050621	
SCI_LK1_AXVIEC20050609_145705_20050608_064956_20050622	_
SCI_LK1_AXVIEC20050609_150600_20050608_075830_20050622	_094105

ISSUE I REVISION U -

page 46 of 48

a

ife

esa

SCI_LK1_AXVIEC20050609_151334_20050608_094001_20050622_112015
SCI_LK1_AXVIEC20050609_152156_20050608_111941_20050622_130019
SCI LK1 AXVIEC20050609 153434 20050608 125908 20050622 143850
SCI_LK1_AXVIEC20050609_153920_20050608_133845_20050622_140034
SCI_LK1_AXVIEC20050609_154618_20050608_135954_20050622_142207
SCI LK1 AXVIEC20050609 155428 20050608 143740 20050622 161637
SCI LK1 AXVIEC20050609 160600 20050608 161503 20050622 175455
SCI LK1 AXVIEC20050609 162114 20050608 175224 20050622 193248
SCI_LK1_AXVIEC20050610_064441_20050609_061817_20050623_140806
SCI LK1 AXVIEC20050610 090708 20050609 072747 20050623 090939
SCI LK1 AXVIEC20050610 103903 20050609 090823 20050623 104917
SCI LK1 AXVIEC20050610 105040 20050609 104803 20050623 122936
SCI LK1 AXVIEC20050610 122621 20050609 140710 20050623 154515
SCI LK1 AXVIEC20050611 125248 20050609 171733 20050623 190107
SCI LK1 AXVIEC20050613 060425 20050605 050546 20050619 064532
SCI LK1 AXVIEC20050613 084154 20050605 235949 20050620 013821
SCI LK1 AXVIEC20050611 125506 20050610 065608 20050624 083901
SCI LK1 AXVIEC20050611 125750 20050610 083740 20050624 101818
SCI LK1 AXVIEC20050611 130040 20050610 101720 20050624 115649
SCI LK1 AXVIEC20050611 130322 20050610 115551 20050624 133609
SCI LK1 AXVIEC20050611 133043 20050610 133531 20050624 151454
SCI LK1 AXVIEC20050611 133435 20050610 151350 20050624 165244
SCI LK1 AXVIEC20050611 134712 20050610 165126 20050624 182939
SCI_LK1_AXVIEC20050612_013908_20050611_004332_20050625_021952
SCI LK1 AXVIEC20050613 093411 20050612 204439 20050626 215722
SCI_LK1_AXVIEC20050613_121504_20050612_091512_20050626_105448
SCI LK1 AXVIEC20050613 131223 20050611 204630 20050625 223114
SCI LK1 AXVIEC20050613 170935 20050612 001109 20050626 015044
SCI LK1 AXVIEC20050613 171513 20050611 094542 20050625 112556
SCI LK1 AXVIEC20050613 171733 20050611 112509 20050625 130530
SCI LK1 AXVIEC20050613 171950 20050611 130449 20050625 144425
SCI LK1 AXVIEC20050613 172204 20050611 140450 20050625 142652
SCI LK1 AXVIEC20050613 172356 20050611 144320 20050625 162113
SCI LK1 AXVIEC20050613 172726 20050612 062507 20050626 073402
SCI LK1 AXVIEC20050613 172959 20050612 141238 20050626 091630
SCI LK1 AXVIEC20050613 173159 20050612 154917 20050626 172701
SCI LK1 AXVIEC20050614 021243 20050612 233808 20050627 011911
SCI LK1 AXVIEC20050614 111606 20050613 120241 20050627 134244
SCI LK1 AXVIEC20050614 114313 20050613 152040 20050627 152119
SCI LK1 AXVIEC20050614 114523 20050613 165707 20050627 183324
SCI LK1 AXVIEC20050614 121916 20050613 134208 20050627 152119
SCI LK1 AXVIEC20050614 122128 20050613 102153 20050627 120329
SCI LK1 AXVIEC20050614 122335 20050613 084334 20050627 102339
SCI LK1 AXVIEC20050614 122544 20050613 070149 20050627 084434
SCI LK1 AXVIEC20050615 092040 20050614 070214 20050628 081112
SCI LK1 AXVIEC20050615 095735 20050614 080951 20050628 095329
SCI LK1 AXVIEC20050615 130859 20050614 131030 20050628 131131
SCI LK1 AXVIEC20050615 131144 20050614 144902 20050628 162822
SCI LK1 AXVIEC20050616 024755 20050614 194247 20050628 205152
SCI LK1 AXVIEC20050616 071901 20050614 180238 20050628 194354
SCI_LK1_AXVIEC20050616_134402_20050614_162733_20050628_180503

issue i revision u -

page 47 of 48

3

ife

esa

SCI_LK1_AXVIEC20050616_135151_20050615_063036_20050629_074040
SCI_LK1_AXVIEC20050616_135358_20050615_092041_20050629_110110
SCI_LK1_AXVIEC20050616_142323_20050615_110021_20050629_124029
SCI_LK1_AXVIEC20050616_144544_20050615_123948_20050629_141920
SCI LK1 AXVIEC20050616 145159 20050615 155555 20050629 173433
SCI LK1 AXVIEC20050617 124721 20050616 152513 20050630 170331
SCI LK1 AXVIEC20050617 173937 20050615 173209 20050629 191242
SCI LK1 AXVIEC20050617 180109 20050616 070731 20050630 085020
SCI LK1 AXVIEC20050617 180735 20050616 134750 20050630 152637
SCI LK1 AXVIEC20050617 180921 20050616 170153 20050630 184117
SCI LK1 AXVIEC20050618 045447 20050611 004416 20050625 021823
SCI LK1 AXVIEC20050618 114243 20050611 004500 20050625 021907
SCI LK1 AXVIEC20050618 135435 20050617 081629 20050701 095813
SCI_LK1_AXVIEC20050618_135908_20050613_041444_20050627_055448
SCI_LK1_AXVIEC20050618_162127_20050614_034210_20050628_051942
SCI LK1 AXVIEC20050618 182325 20050617 070756 20050701 081727
SCI_LK1_AXVIEC20050618_182542_20050617_095705_20050701_113727
SCI_LK1_AXVIEC20050618_182836_20050617_113632_20050701_131749
SCI_LK1_AXVIEC20050618_183331_20050617_145444_20050701_163303
SCI LK1 AXVIEC20050618 183545 20050617 163207 20050701 181112
SCI_LK1_AXVIEC20050619_015744_20050618_002038_20050702_020009
SCI_LK1_AXVIEC20050620_033744_20050618_205508_20050702_220843
SCI_LK1_AXVIEC20050621_090120_20050618_074343_20050702_092642
SCI_LK1_AXVIEC20050621_094246_20050618_110603_20050702_124647
SCI_LK1_AXVIEC20050621_112048_20050618_124530_20050702_142512
SCI_LK1_AXVIEC20050621_191257_20050618_235057_20050703_012917
SCI_LK1_AXVIEC20050621_194144_20050618_092527_20050702_110713
SCI LK1 AXVIEC20050622 114009 20050618 173438 20050702 191708
SCI_LK1_AXVIEC20050627_160203_20050619_170710_20050703_184707
SCI_LK1_AXVIEC20050627_163846_20050618_142402_20050702_142512
SCI_LK1_AXVIEC20050624_110445_20050620_201143_20050704_210234
SCI_LK1_AXVIEC20050627_075920_20050626_083245_20050710_101616
SCI LK1 AXVIEC20050627 082353 20050620 100344 20050704 114352
SCI LK1 AXVIEC20050627 082546 20050620 114215 20050704 132240
SCI_LK1_AXVIEC20050627_083150_20050623_100832_20050707_114814
SCI LK1 AXVIEC20050627 083437 20050620 140047 20050704 150131
SCI LK1 AXVIEC20050627 084924 20050620 181404 20050704 195512
SCI LK1 AXVIEC20050627 085746 20050624 135641 20050708 141901
SCI LK1 AXVIEC20050627 120639 20050621 093207 20050705 111240
SCI LK1 AXVIEC20050627 123950 20050622 153544 20050706 171538
SCI LK1 AXVIEC20050627 124450 20050621 064159 20050705 075205
SCI LK1 AXVIEC20050627 130354 20050621 075131 20050705 093311
SCI LK1 AXVIEC20050627 130620 20050621 142849 20050705 160809
SCI LK1 AXVIEC20050627 131214 20050621 160721 20050705 174543
SCI_LK1_AXVIEC20050627_131626_20050620_082104_20050704_100424
SCI_LK1_AXVIEC20050627_131854_20050623_132739_20050707_150647
SCI_LK1_AXVIEC20050627_134758_20050624_161305_20050708_175034
SCI_LK1_AXVIEC20050627_131736_20050623_161505_20050707_164422
SCI_LK1_AXVIEC20050627_142926_20050622_104009_20050706_122146
SCI_LK1_AXVIEC20050627_142526_20050622_164009_20050706_122140 SCI_LK1_AXVIEC20050627_143200_20050623_164238_20050707_182053
SCI_LK1_AXVIEC20050627_149206_20050623_164256_20050707_162055 SCI_LK1_AXVIEC20050627_144355_20050623_082756_20050707_100956

issue i revision u -

page 48 of 48

3

ife

111111111

esa

SCI_LK1_AXVIEC20050627_145129_20050622_135917_20050706_153649
SCI_LK1_AXVIEC20050627_145547_20050625_061513_20050709_072518
SCI LK1 AXVIEC20050627 150127 20050624 093655 20050708 111829
SCI LK1 AXVIEC20050627 151408 20050624 075619 20050708 093835
SCI LK1 AXVIEC20050627 151640 20050623 072031 20050707 082855
SCI LK1 AXVIEC20050627 152838 20050620 071525 20050704 082201
SCI LK1 AXVIEC20050627 153020 20050624 064758 20050708 075725
SCI LK1 AXVIEC20050627 154149 20050621 111147 20050705 143014
SCI LK1 AXVIEC20050627 154831 20050620 150027 20050704 163926
SCI LK1 AXVIEC20050627 161637 20050621 174314 20050705 192435
SCI LK1 AXVIEC20050627 162415 20050624 111731 20050708 125732
SCI LK1 AXVIEC20050627 162900 20050625 104445 20050709 122613
SCI LK1 AXVIEC20050627 164802 20050620 163750 20050704 181704
SCI LK1 AXVIEC20050627 182020 20050621 192116 20050705 210348
SCI LK1 AXVIEC20050627 182407 20050623 114704 20050707 132832
SCI LK1 AXVIEC20050627 191223 20050625 001857 20050709 013932
SCI LK1 AXVIEC20050627 192534 20050625 171634 20050709 185701
SCI LK1 AXVIEC20050627 204555 20050626 072712 20050710 083404
SCI LK1 AXVIEC20050627 211056 20050626 101513 20050710 115512
SCI LK1 AXVIEC20050627 211633 20050626 115357 20050710 133343
SCI LK1 AXVIEC20050627 212207 20050626 133216 20050710 151220
SCI LK1 AXVIEC20050627 212714 20050626 151100 20050710 164902
SCI LK1 AXVIEC20050627 214119 20050626 164714 20050710 182631
SCI_LK1_AXVIEC20050628_170109_20050627_080204_20050711_094344
SCI LK1 AXVIEC20050628 173001 20050627 065235 20050711 080249
SCI LK1 AXVIEC20050628 173531 20050627 193256 20050711 204536
SCI LK1 AXVIEC20050629 111934 20050627 112316 20050711 130329
SCI LK1 AXVIEC20050629 112600 20050627 130243 20050711 144155
SCI LK1 AXVIEC20050629 134434 20050627 144019 20050711 161819
SCI LK1 AXVIEC20050629 163712 20050627 161646 20050711 175628
SCI_LK1_AXVIEC20050629_164114_20050627_161646_20050711_175026
SCI_LK1_AXVIEC20050629_164426_20050628_073027_20050712_091235
SCI_LK1_AXVIEC20050629_104426_20050628_073627_20050712_071253 SCI_LK1_AXVIEC20050629_171124_20050628_091159_20050712_105154
SCI_LK1_AXVIEC20050629_171124_20050628_091139_20050712_109134 SCI_LK1_AXVIEC20050629_171439_20050628_105031_20050712_123141
SCI_LK1_AXVIEC20050629_171459_20050628_105051_20050712_125141 SCI_LK1_AXVIEC20050629_172617_20050628_123011_20050712_141031
SCI_LK1_AXVIEC20050629_172017_20050628_129011_20050712_141091 SCI_LK1_AXVIEC20050629_173124_20050628_140951_20050712_154900
SCI_LK1_AXVIEC20050704_131937_20050629_102003_20050713_120104
SCI_LK1_AXVIEC20050704_131557_20050629_102005_20050713_120104 SCI_LK1_AXVIEC20050704_143527_20050629_115930_20050713_133940
SCI_LK1_AXVIEC20050704_145527_20050629_115556_20050713_155540 SCI_LK1_AXVIEC20050704_151950_20050629_151633_20050713_165609
SCI_LK1_AXVIEC20050704_151050_20050029_151055_20050713_105009 SCI_LK1_AXVIEC20050704_154016_20050629_073310_20050713_083950
SCI_LK1_AXVIEC20050704_154010_20050629_073510_20050713_085750 SCI_LK1_AXVIEC20050704_165451_20050629_133814_20050713_151727
SCI_LK1_AXVIEC20050704_103431_20050629_133814_20050713_131727 SCI_LK1_AXVIEC20050704_172902_20050629_083818_20050713_102101
SCI_LK1_AXVIEC20050705_161557_20050627_083818_20050711_161819
SCI_LK1_AXVIEC20050705_161837_20050627_144223_20050711_161817 SCI_LK1_AXVIEC20050705_161812_20050628_123215_20050712_141031
SCI_LK1_AXVIEC20050705_161812_20050628_125215_20050712_141051 SCI_LK1_AXVIEC20050705_162036_20050628_140951_20050712_154900
SCI_LK1_AXVIEC20050705_162636_20050628_140951_20050712_154900 SCI_LK1_AXVIEC20050705_163633_20050628_154810_20050712_172444
SCI_LK1_AXVIEC20050705_163635_20050628_154610_20050712_172444 SCI_LK1_AXVIEC20050705_171638_20050628_172220_20050712_190305
SCI_LK1_AXVIEC20050704_082535_20050630_112753_20050714_130901
SCI_LK1_AXVIEC20050704_082535_20050630_112755_20050714_150901 SCI_LK1_AXVIEC20050704_083031_20050630_130733_20050714_144740
SCI_LK1_AXVIEC20050704_083031_20050630_130735_20050714_144740 SCI_LK1_AXVIEC20050704_084306_20050630_144701_20050714_162404
SCI_LKI_AAVIEC20050/04_004500_200500050_144/01_20050/14_102404