EPIC Cal-Ops meeting

June 6-7, 2001

Staff Meeting room (F10/F11),
1st floor of Physics and Astronomy Dept.,
Leicester University

June 6th, 14:00-18:20

Welcome	M. Turner	
1. Operations		
1.1. Review of actions	D. Texier	14:00
1.2. Real-Time Operations		
1.2.1. Status of operations	D. Texier	14:05
1.2.2. Status of EPIC operations	S. Rives	14:15
1.3. Operations Monitoring		
1.3.1. Status of radiation monitoring	D. Texier	14:30
1.3.2. Impact of recent solar activity on MOS	A. Tiengo	14:40
1.3.3. Impact of recent solar activity on PN	M. Smith	15:00
1.3.4. Status of open NCRs	D. Texier	15:20
== Coffee Break ==	15:40-16:00	
1.4. Uplink		
1.4.1. Recent database & procedures updates for MOS & PN	S. Rives	16:00
1.4.2. Future database & procedures updates for MOS & PN	S. Rives	16:10
1.4.3. Implementation of single boresight: plan of action	M. Casale	16:20
1.4.4. Recent updates of MOS offset tables	A. Tiengo	16:35
1.4.5. Status of EPIC Slew exposures	D. Texier	16:45
1.5. EPIC On-Board S/W maintenance		
1.5.1. Implementation of time-out task for PN	G. Buenadicha	16:55
1.5.2. Planned/future changes of PN On-Board S/WG.	G. Buenadicha	17:10
1.5.3. Improving the offset calculation of the pn-CCD On-Board S/W	E. Kendziorra	17:20
1.5.4. Planned/future changes of MOS On-Board S/W	G. Buenadicha	17:30
2. Calibration MOS		
2.1 CTI		
2.1.1 Correlation between MOS CTI and event rate during high solar activity	A. Tiengo	17:40
2.1.2 CTI vs count rate	D. Lumb	17:50
2.1.3 CTI correction on a per column basis	P. Bennie	18:00
2.1.4 Cooling of CCDs and charge injection	A. Abbey	18:10
== end of day 06/06/2001 ==	18:20	

June 7th, 09:00-17:30

2. Calibration MOS		
2.2 MOS bad pixels monitoring	A. Tiengo	9:00
2.3 Correlation of Gain variations with H/K parameters	P. Bennie	9:10
2.4 Response functions		
2.4.1 Differences at low energies between the PSF core of MOS1 and MOS2	S. Sembay	9:15
2.5 Pile-up		
2.5.1 Spectral and spatial deformations on piled-up sources	P. Ferrando	9:30
2.6 MOS PSF		
2.6.1 Energy dependence of PSF (on-axis)	G. Griffiths	9:45
2.6.2 PSF off-axis calibration	S. Molendi	9:55
2.7 Background		
2.7.1 Fluorescence lines in EPIC MOS background	J.L. Sauvageot	10:05
2.7.2 Instrumental Bkg.: Spectral and Spatial properties	S. Molendi	10:15
2.7.3 Soft Proton Vignetting	M. Dadina	10:25
2.8 Metrology	M. Denby	10:35
2.9 New MOS modes	A. Abbey	10:45

** Coffee Break ** 11:00-11:20

3. Calibration PN		
3.1 PN bad pixels monitoring	M. Smith	11:20
3.2 CTI and gain monitoring: update	K. Dennerl	11:30
3.3 Gain/temperature correlation	K. Dennerl	11:40
3.4 Status of the timing mode	M. Kirsch	11:50
3.5 Status of the burst mode	M. Kirsch	12:00
3.6 The EPIC-PN response matrix - single and double pattern events in the imaging modes	F. Haberl	12:10

** Lunch Break ** 13:00-14:00

3.6 The EPIC-PN response matrix - single and double pattern events in the imaging modes (continued)	F. Haberl	14:00
3.7 Properties of double pattern events	K. Dennerl	14:10
3.8 SAS status of the CTI programs	M. Freyberg	14:50
4. Vignetting	D. Lumb	15:00
5. Cross calibration		
5.1 PN/MOS spectral cross cal and XMM/EPIC Chandra/ACIS Cross Cal	S. Molendi	15:10
5.2 PN/MOS soft energy cross cal	N. La Palombara	15:25
6. SAS Issues		

6.1 Status of SAS v5.1 Scientific Validation D. Texier 15:40

** Coffee Break ** 15:50-16:10

7. Status and future of calibrations All 16:10
   - Analysis of routine calibration observation
   - Maintenance of current calibration files in SAS
   - Development of improved calibration (e.g pile-up, CTI, rmf)

8. Date and place of next meeting

No. of attendees = 30

EPIC -	France:	P. Ferrando, J.L. Sauvageot
	Germany:	U. Briel, K. Dennerl, M Freyberg, F. Haberl, E. Kendziorra, M. Kirsch
	Italy:	M. Dadina, N. La Palombara, S. Molendi, G. Villa
	UK:	A. Abbey, P. Bennie, M. Denby, G. Griffiths, S. Sembay, M. Turner
ESA -	ESTEC:	F. Jansen, D. Lumb
ESTEC/Leicester:		R. Saxton
	Vilspa:	G. Buenadicha, M. Casale, M. Ehle, S. Rives, P. Rodriguez, M. Smith, D. Texier, A. Tiengo,
SSC -	France:	J. Ballet