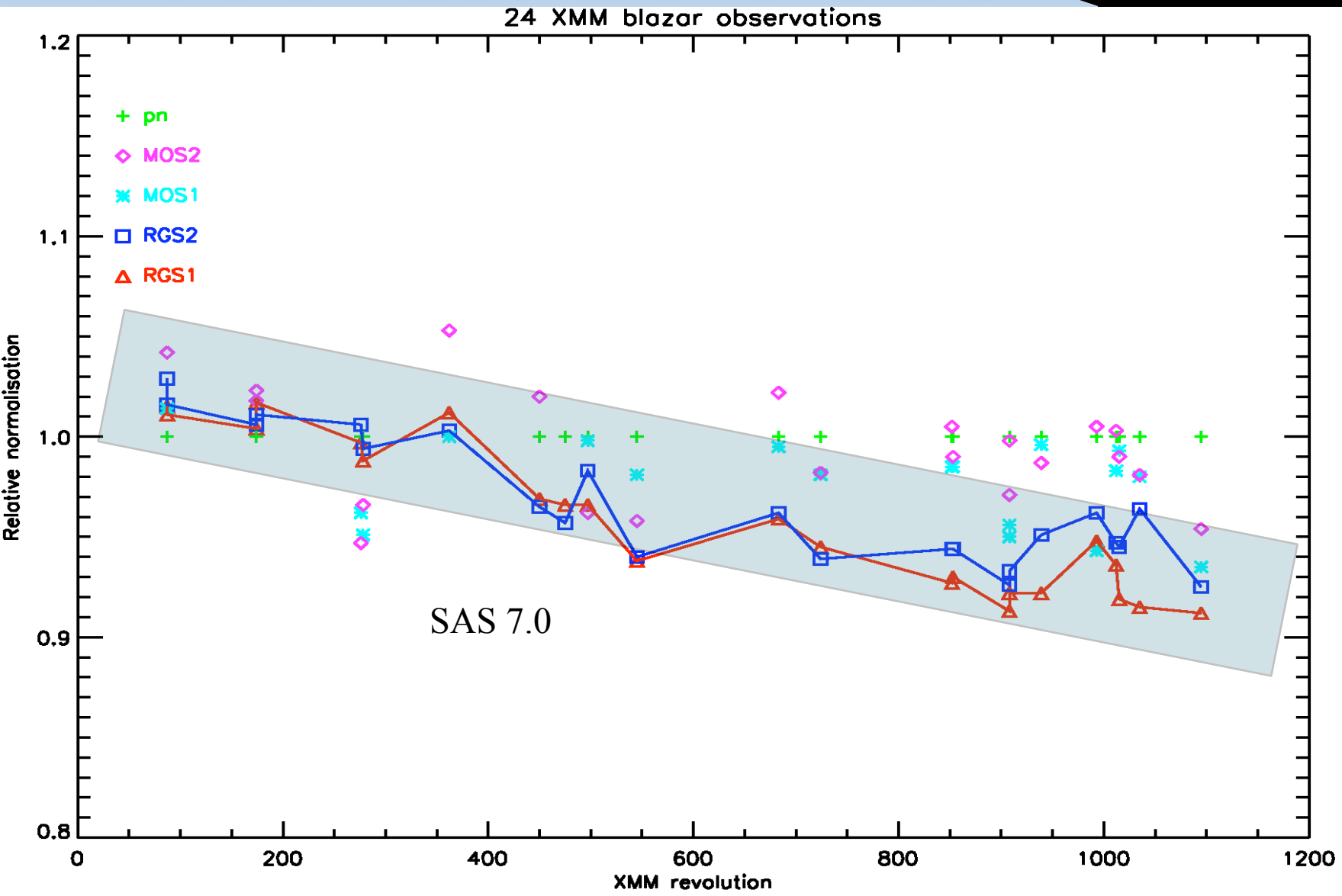
Latest News of the Calibration of the *XMM-Newton* RGS

- SRON Workshop 13-14 February 2007
- Imminent RGS%_EFFAREACORR_%%%%.CCF release
- New empirical effective-area correction(λ)
- **Carbon contamination : linear thickness(time)**
- **Blazar power-law correction(!time)**
- Crab fine tuning

2006 RGS vs EPIC statistics



2007 RGS-EPIC blazar comparison

	NH	rev	ObsID	RGS1	RGS2	MOS1	MOS2	pn	> slope	A	RGS1	RGS2	MOS1	MOS2	pn	NDOF	C-stat
PKS2155-304	0.0127	0087	0124930101	S006	S007	S008	NONE	S010	> 2.516	0.0381	1.023	1.049	1.014		1.000	5780	9581.8
PKS2155-304	0.0127	0087	0124930201	S004	S005	NONE	S002	S003	> 2.482	0.0385	1.022	1.036		1.040	1.000	5795	10740.1
PKS2155-304	0.0127	0174	0080940301	S004	S005	NONE	S402	S003	> 2.694	0.0258	1.042	1.047		1.023	1.000	5432	7595.2
1H1219+301	0.0178	0276	0111840101	S004	S005	S001	S002	S003	> 2.289	0.0218	1.022	1.034	0.961	0.946	1.000	5560	6638.7
H1426+428	0.0136	0278	0111850201	S004	S005	S023	S024	S003	> 1.803	0.0084	1.005	1.011	0.952	0.965	1.000	5548	6494.9
PKS2155-304	0.0127	0362	0124930301	S004	S005	S023	S002	NONE	> 2.521	0.0787	1.048	1.040	1.000	1.054		5205	8773.2
PKS2155-304	0.0127	0450	0124930501	S001	S002	NONE	S004	S005	> 2.593	0.0271	1.017	1.010		1.020	1.000	5403	6434.1
Mkn501	0.0173	0475	0113060401	S007	S008	NONE	NONE	S006	> 2.236	0.0247	1.011	0.997			1.000	5359	5719.2
1H0414+009	0.0915	0497	0094383101	S005	S006	S002	S004	S001	> 2.418	0.0073	1.054	1.046	1.002	0.964	1.000	5573	6625.9
PKS0548-322	0.0249	0520	0142270101	S004	S005	NONE	NONE	S003	> 1.940	0.0088	0.986	0.974			1.000	5293	5876.4
PKS2155-304	0.0127	0545	0124930601	S006	S007	S001	S002	S003	> 2.596	0.0192	0.995	0.992	0.982	0.959	1.000	5578	8252.8
1H0414+009	0.0915	0683	0161160101	S004	S005	S001	S002	S003	> 2.611	0.0036	1.017	1.003	0.996	1.021	1.000	5561	6247.0
PKS2155-304	0.0127	0724	0158960101	S004	S005	S002	S003	S001	> 2.757	0.0168	1.025	1.004	0.984	0.982	1.000	5613	6753.0
H1426+428	0.0136	0852	0165770101	S004	S005	S002	S003	S001	> 1.931	0.0101	0.996	0.992	0.984	1.005	1.000	5570	7972.7
H1426+428	0.0136	0853	0165770201	S004	S005	S002	S003	S001	> 1.956	0.0104	1.000	0.994	0.987	0.990	1.000	5581	7661.1
PKS2155-304	0.0127	0908	0158960901	S004	S005	S002	S003	S001	> 2.781	0.0189	1.010	1.004	0.958	1.000	1.000	5584	7659.9
PKS2155-304	0.0127	0908	0158961001	S004	S005	S002	S003	S013	> 2.686	0.0250	1.019	1.009	0.949	0.972	1.000	5600	8761.8
H1426+428	0.0136	0939	0212090201	S004	S005	S002	S003	S001	> 1.967	0.0131	1.000	1.007	0.999	0.991	1.000	5587	6829.1
PKS2155-304	0.0127	0993	0158961101	S004	S005	S002	S003	S001	> 2.542	0.0338	1.054	1.042	0.940	1.004	1.000	5589	7394.9
H1426+428	0.0136	1012	0310190101	S004	S005	S001	S002	S003	> 1.899	0.0190	1.019	1.003	0.977	1.002	1.000	5581	7068.3
H1426+428	0.0136	1015	0310190201	S004	S005	S001	S002	S003	> 1.974	0.0149	1.003	1.004	0.988	0.993	1.000	5575	7024.6
H1426+428	0.0136	1035	0310190501	S004	S005	S001	S002	S003	> 2.044	0.0148	1.005	1.029	0.981	0.986	1.000	5585	7337.6
PKS2155-304	0.0127	1095	0158961301	S004	S005	S002	S003	S001	> 2.594	0.0374	1.024	1.010	0.938	0.953	1.000	5574	11290.4
PKS2155-304	0.0127	1171	0158961401	S004	S005	S002	S003	S001	> 2.565	0.0145	1.056	1.035	0.942	0.961	1.000	5526	8031.6
PKS2155-304	0.0127	1266	0411780101	S004	S005	S002	S003	U002	> 2.528	0.0217	1.047	1.030	0.927	0.983	1.000	5502	7543.7

RGS vs EPIC statistics