

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2956 - L2 Version 001
Chandra X-Ray Center

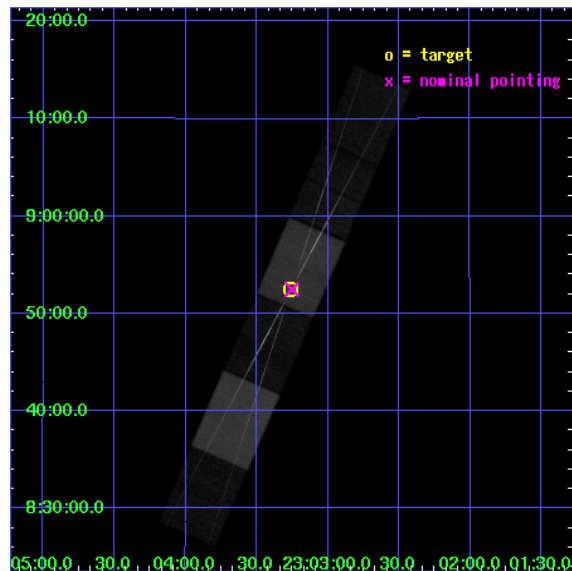
L2 Processing Date : Oct 17 2006

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1 Front

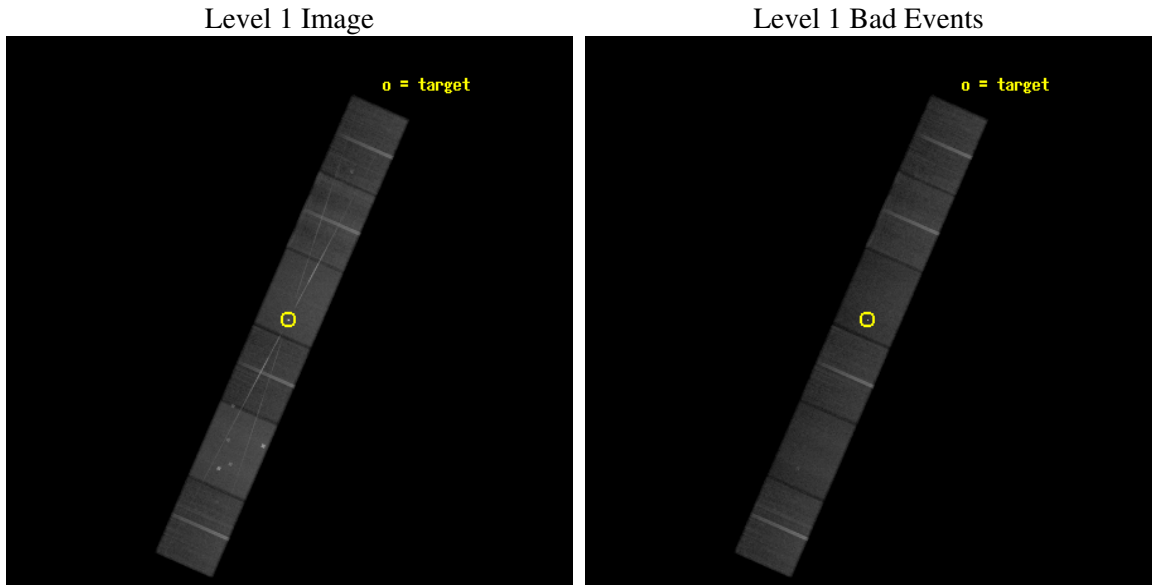
seq_num	700395
obs_id	2956
title	SIMULTANEOUS HST, CHANDRA AND FUSE OBSERVATIONS OF INTRINSIC ABSORBERS IN AGN
observer	DR. GERARD KRISS
object	NGC7469
dtcycle	0
cycle	P
ra_targ	345.815417
dec_targ	8.874056
ra_nom	345.8132635899
dec_nom	8.8747621145005
roll_nom	293.53093664359
revision	2
ontime	79888.770125508
livetime	78598.497195546
ontime4	79898.934026361
ontime5	79896.392846823
ontime6	79898.934155941
ontime7	79888.770125508
ontime8	79891.310976118
ontime9	79901.475126177
l2events	677295



2 OBI

2.1 OBI

2.1.1 Images

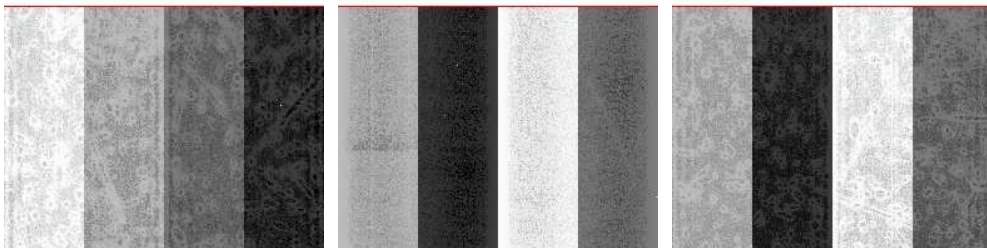


2.1.2 Bias

Chip 4

Chip 5

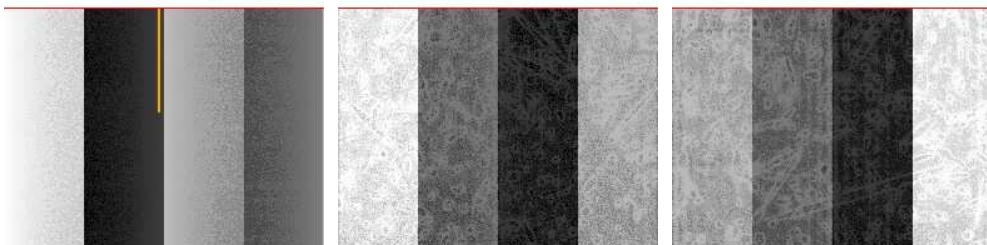
Chip 6



Chip 7

Chip 8

Chip 9



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-15T06:03:54
revision	2

sched_exp_time	80000.000000
ontime	79894.406041235
ontime4	79904.569912136
ontime5	79902.028762549
ontime6	79904.570041716
ontime7	79894.406041235
ontime8	79896.946861893
ontime9	79907.111041903
l1events	2847500

2.1.4 Events

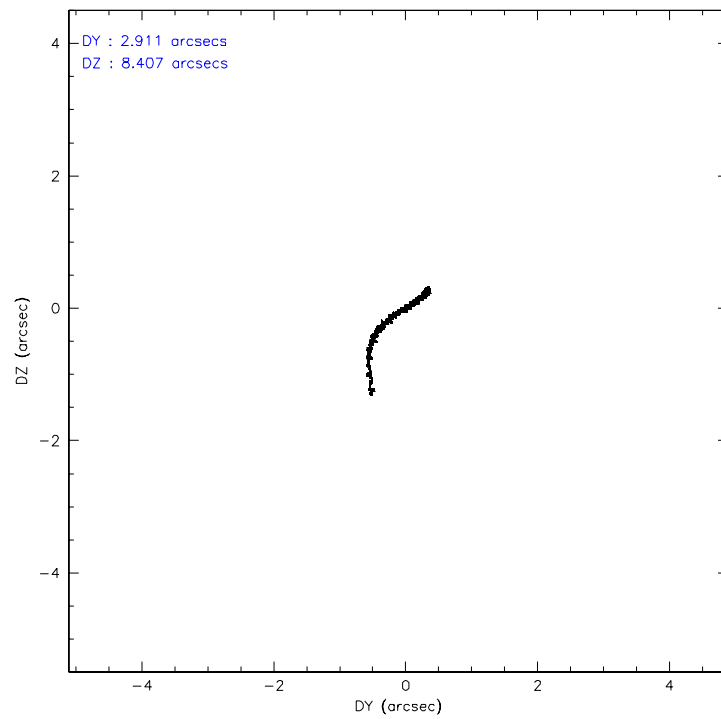
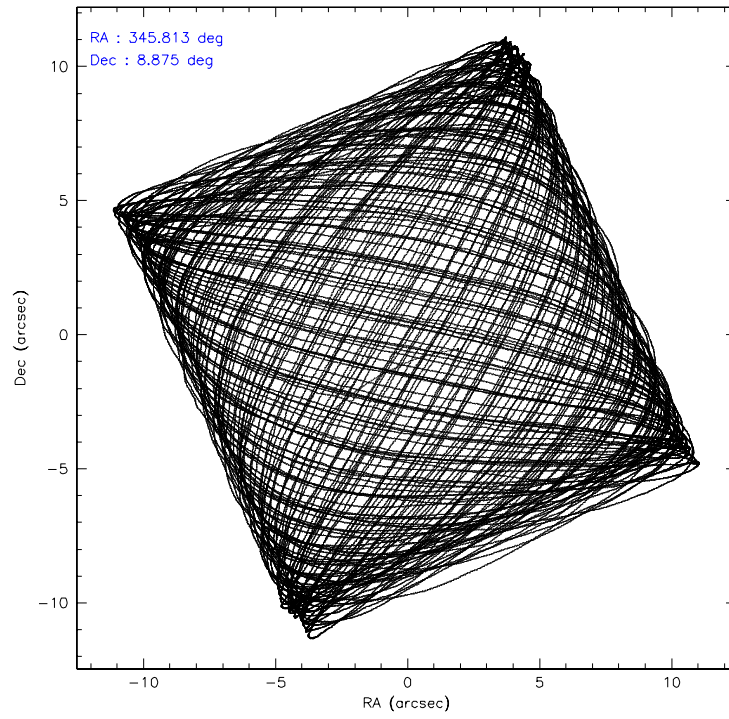
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	420454	571227	415812	553246	500181	386580
rejected events	370512	308699	344085	312406	386763	336045
rejected %	88%	54%	82%	56%	77%	86%

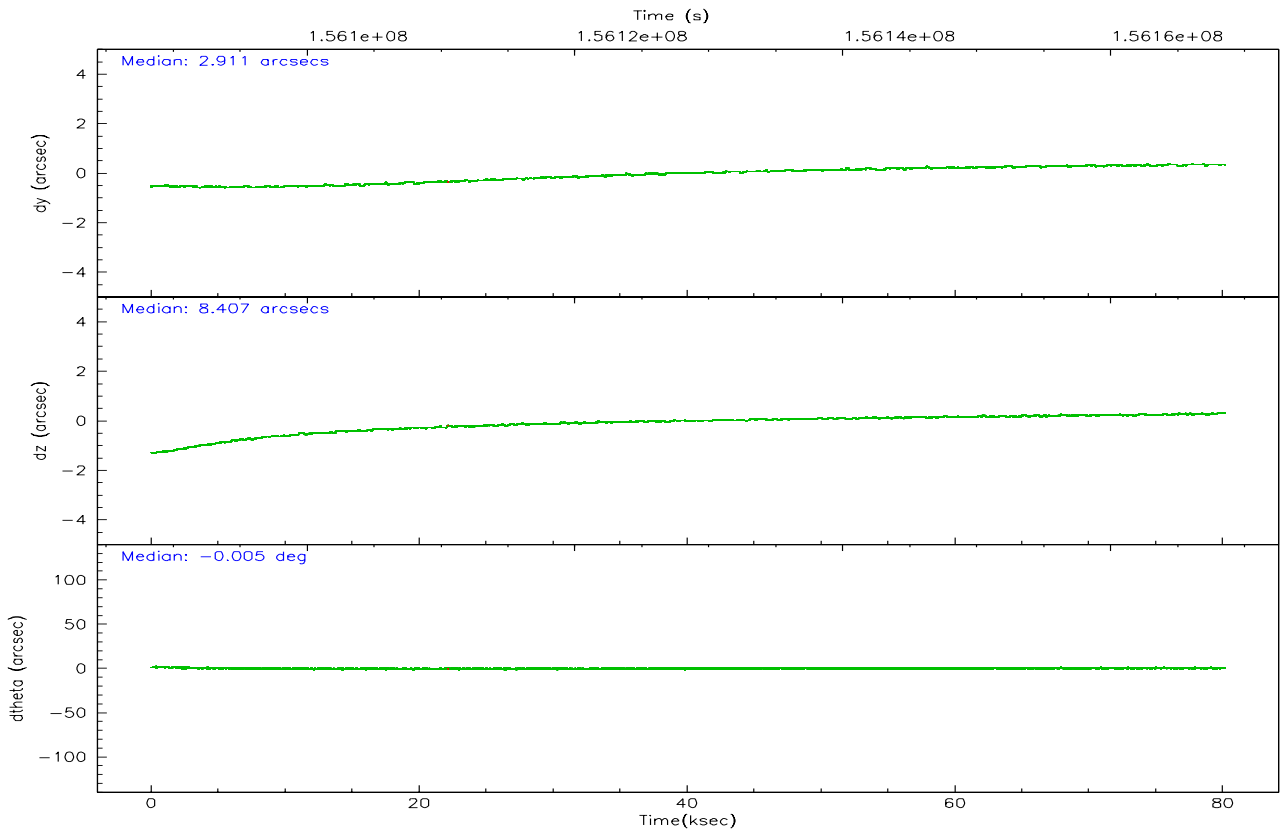
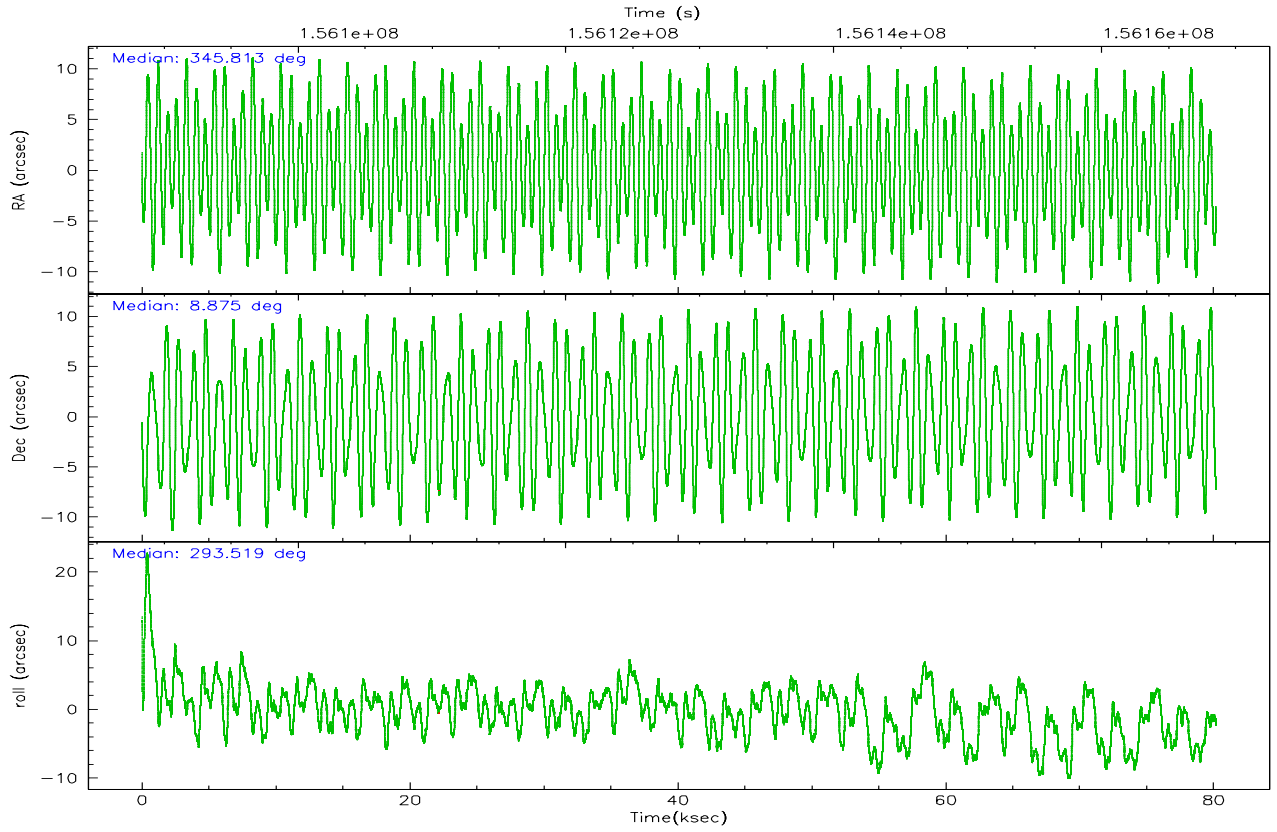
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	22014	33922	38565	20093	42114	21993
	5%	5%	9%	3%	8%	5%
grade 1 events	287	955	230	696	272	188
	0%	0%	0%	0%	0%	0%
grade 2 events	10298	75535	11885	58519	22989	9292
	2%	13%	2%	10%	4%	2%
grade 3 events	5190	7204	5729	16242	11290	5078
	1%	1%	1%	2%	2%	1%
grade 4 events	4885	6772	5669	15911	10526	4966
	1%	1%	1%	2%	2%	1%
grade 5 events	15406	27820	16699	38637	21496	17802
	3%	4%	4%	6%	4%	4%
grade 6 events	7561	139124	9891	130080	26550	9214
	1%	24%	2%	23%	5%	2%
grade 7 events	354813	279895	327144	273068	364944	318047
	84%	48%	78%	49%	72%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	345.790887	345.8132635898967	Subarray requested	CUSTOM	CUSTOM
Pointing Dec	8.890640	8.874762114500491	Subarray start row	1	1
Pointing Roll	293.377762	293.5309366435927	Subarray row count	774	774
Window start time	124459264.184000	124459264.184000	Alternating exposures requested	N	N
Window stop time	156168064.184000	156168064.184000	Primary exposure time	0.000000	2.5
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1228876879999			
SIM translation stage offset (mm)	-3	-3.009634895007935			
Observation start time	156088542.184000	156087492.09718			
Observation start date	2002-12-12T13:54:38	2002-12-12T13:38:12			
Observation end time	156168542.184000	156168676.71307			
Observation end date	2002-12-13T12:07:58	2002-12-13T12:11:16			
Read mode	TIMED	TIMED			

2.3 Aspect



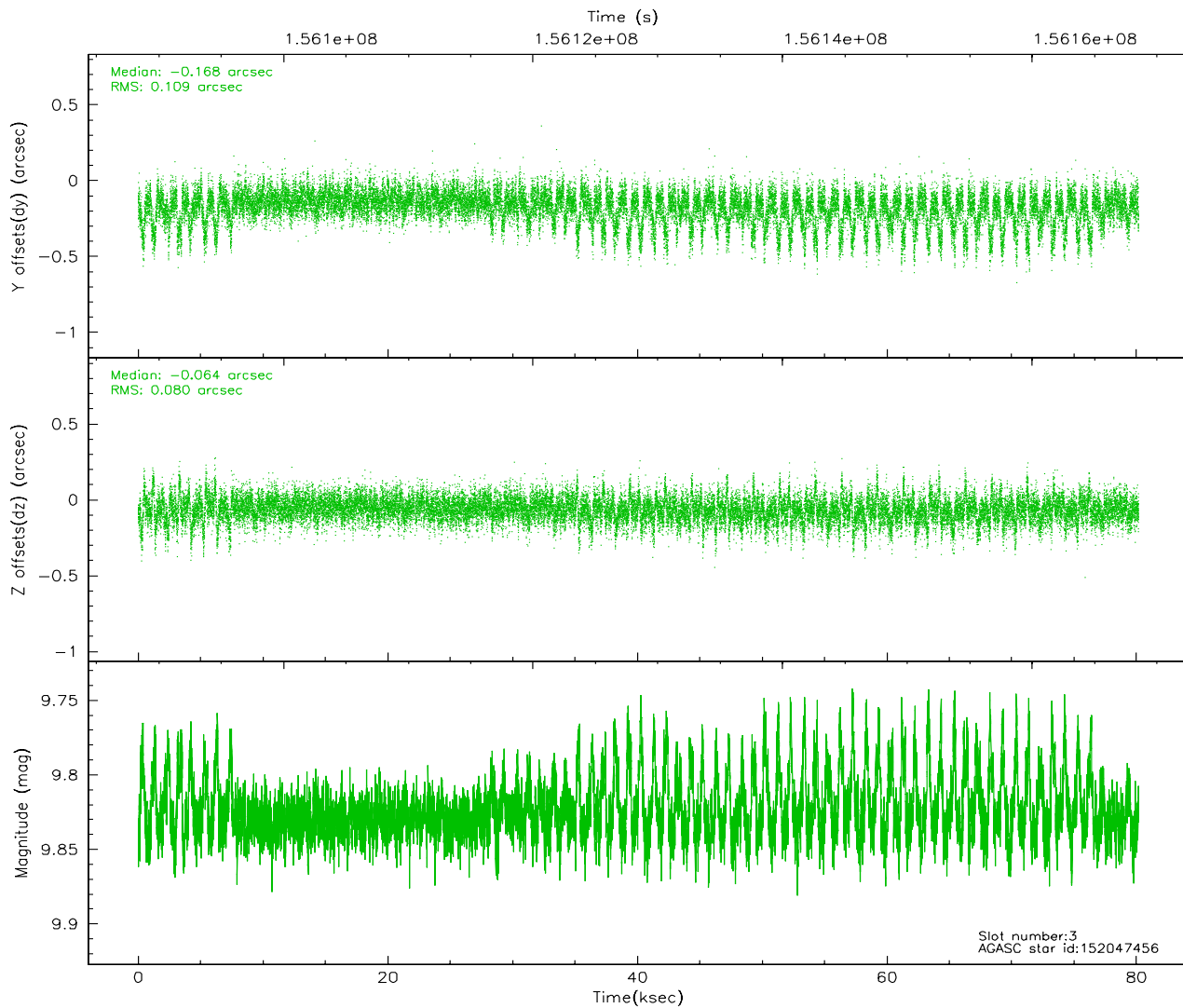
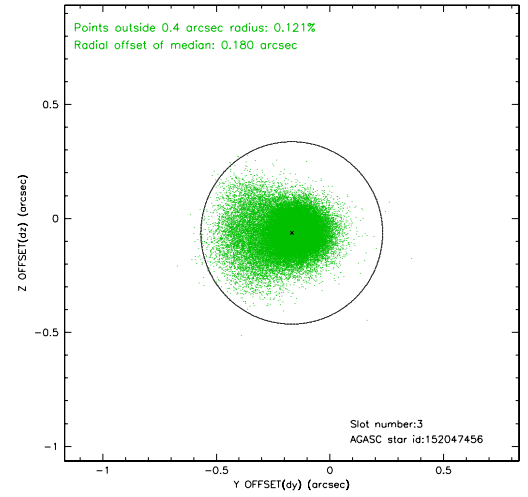
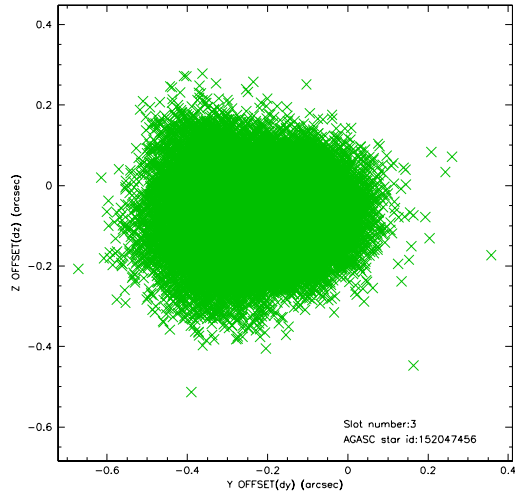


Slot Statistics

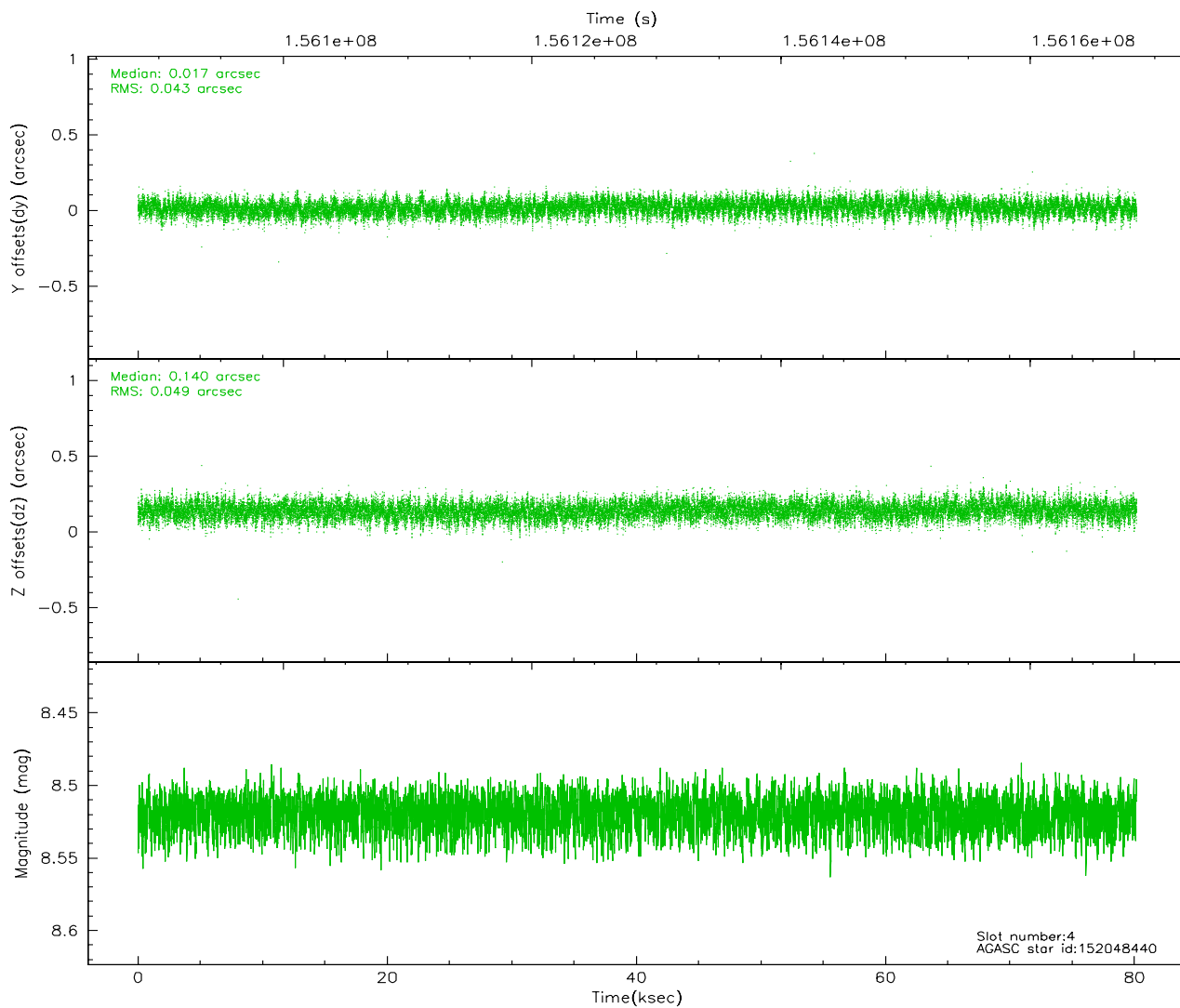
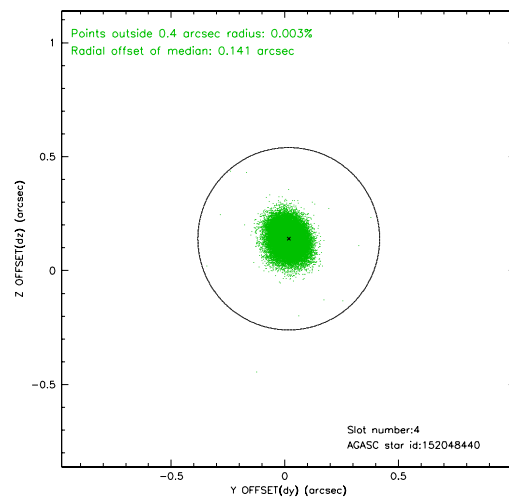
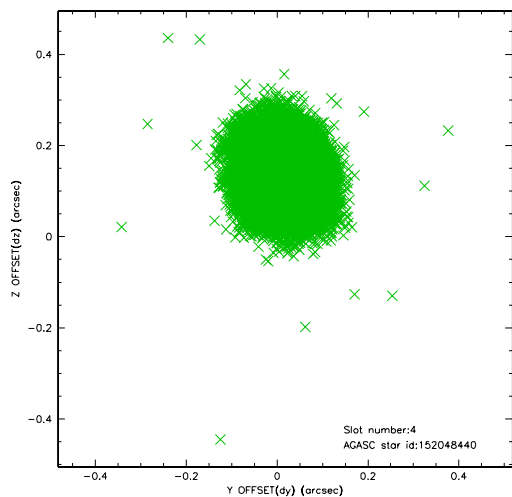
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	19506	-0.048	-0.006	0.007	0.013	0.000000	0.000000	-755.28	-1791.65
1	FID	ACIS-S-4	7.20	19496	-0.016	0.025	0.010	0.016	0.000000	0.000000	2158.02	116.99
2	FID	ACIS-S-5	7.23	19498	0.032	-0.010	0.012	0.019	0.000000	0.000000	-1808.18	110.47
3	GUIDE	152047456	9.83	38978	-0.168	-0.064	0.132	0.263	345.404712	9.366650	-2118.19	-579.75
4	GUIDE	152048440	8.52	39018	0.017	0.140	0.069	0.112	346.200519	9.070077	-16.49	1593.08
5	GUIDE	152051496	8.86	39011	0.062	-0.166	0.074	0.119	345.877098	8.806843	398.44	161.45
6	GUIDE	152052152	9.84	38982	0.088	0.216	0.116	0.189	346.135010	8.920573	385.79	1166.30
7	GUIDE	152053112	8.16	39014	0.015	-0.125	0.075	0.118	345.154715	8.750450	-436.45	-2277.80

2.4 Star Slots

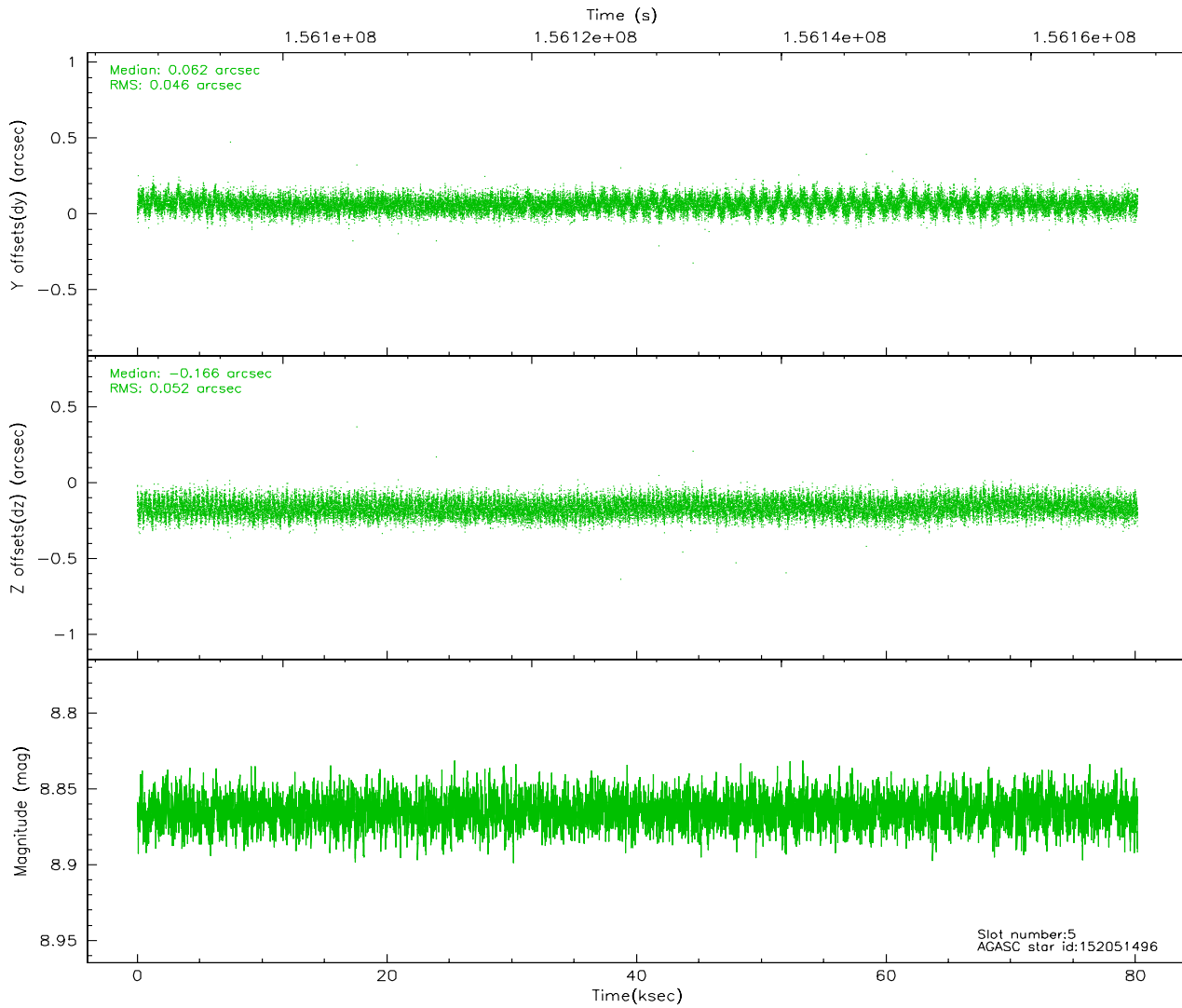
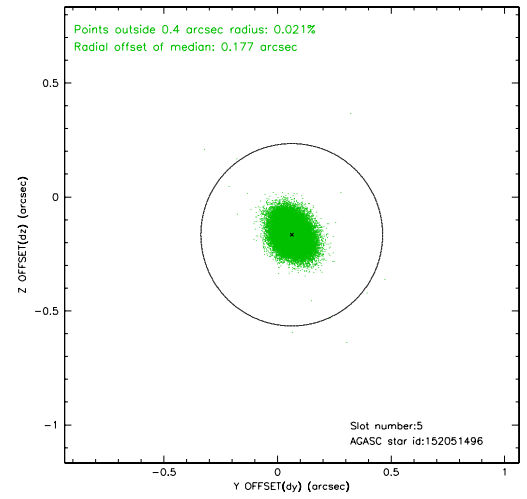
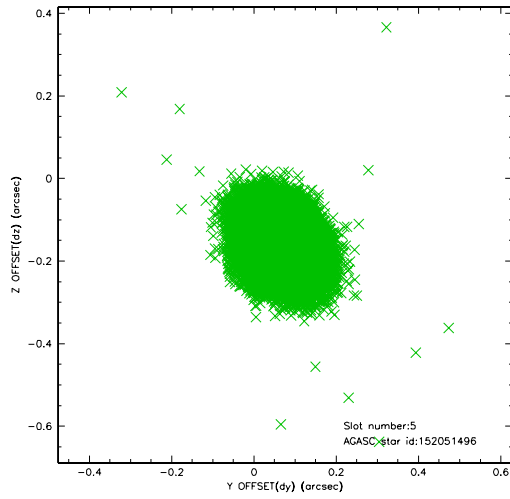
2.4.1 Slot 3



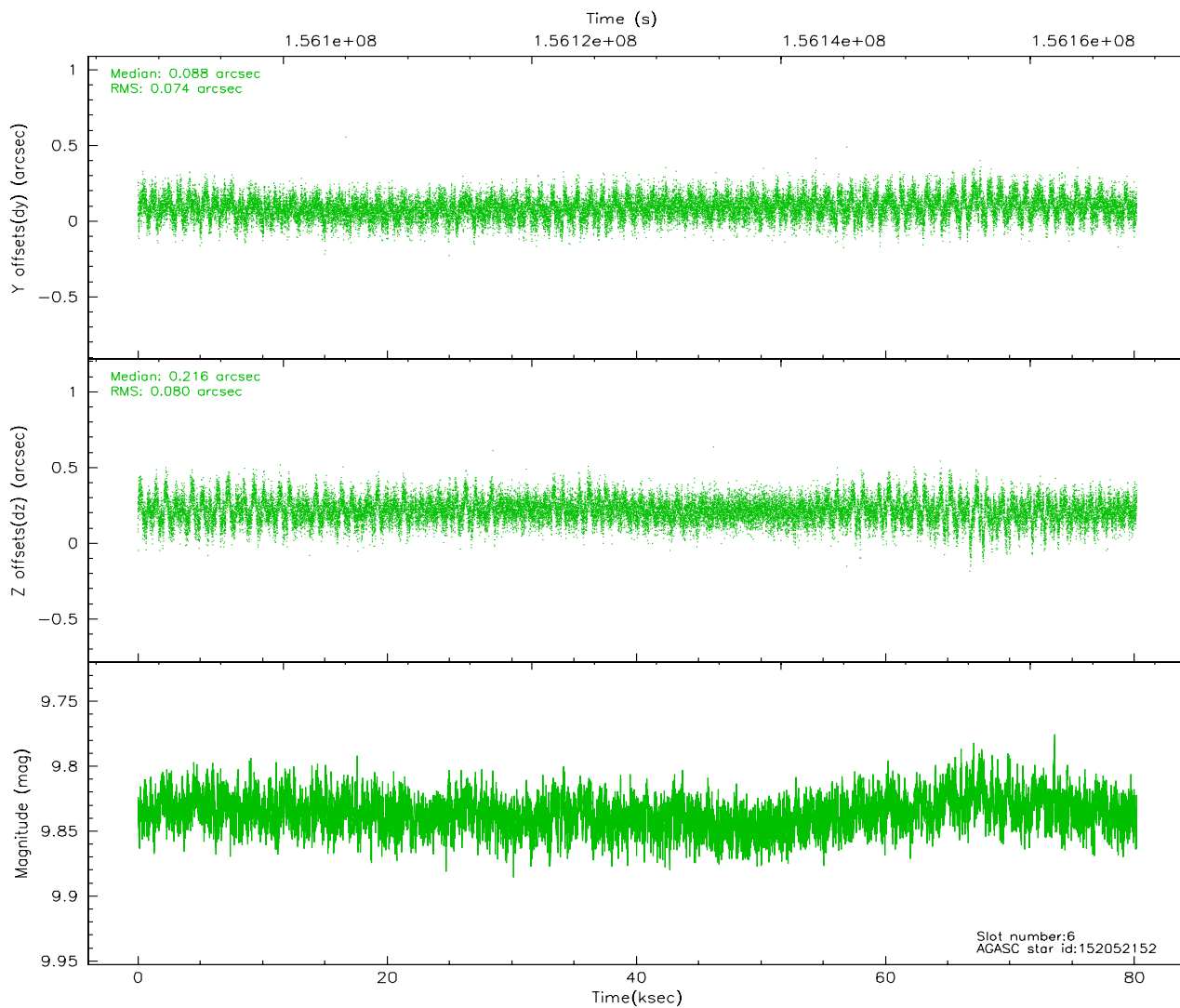
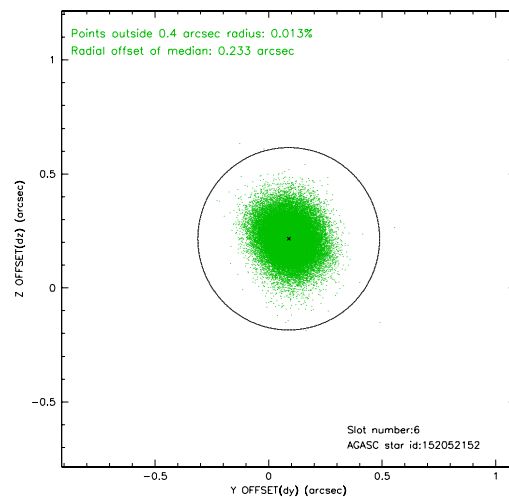
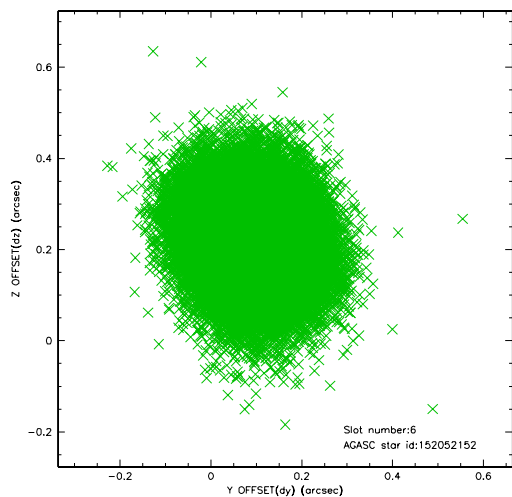
2.4.2 Slot 4



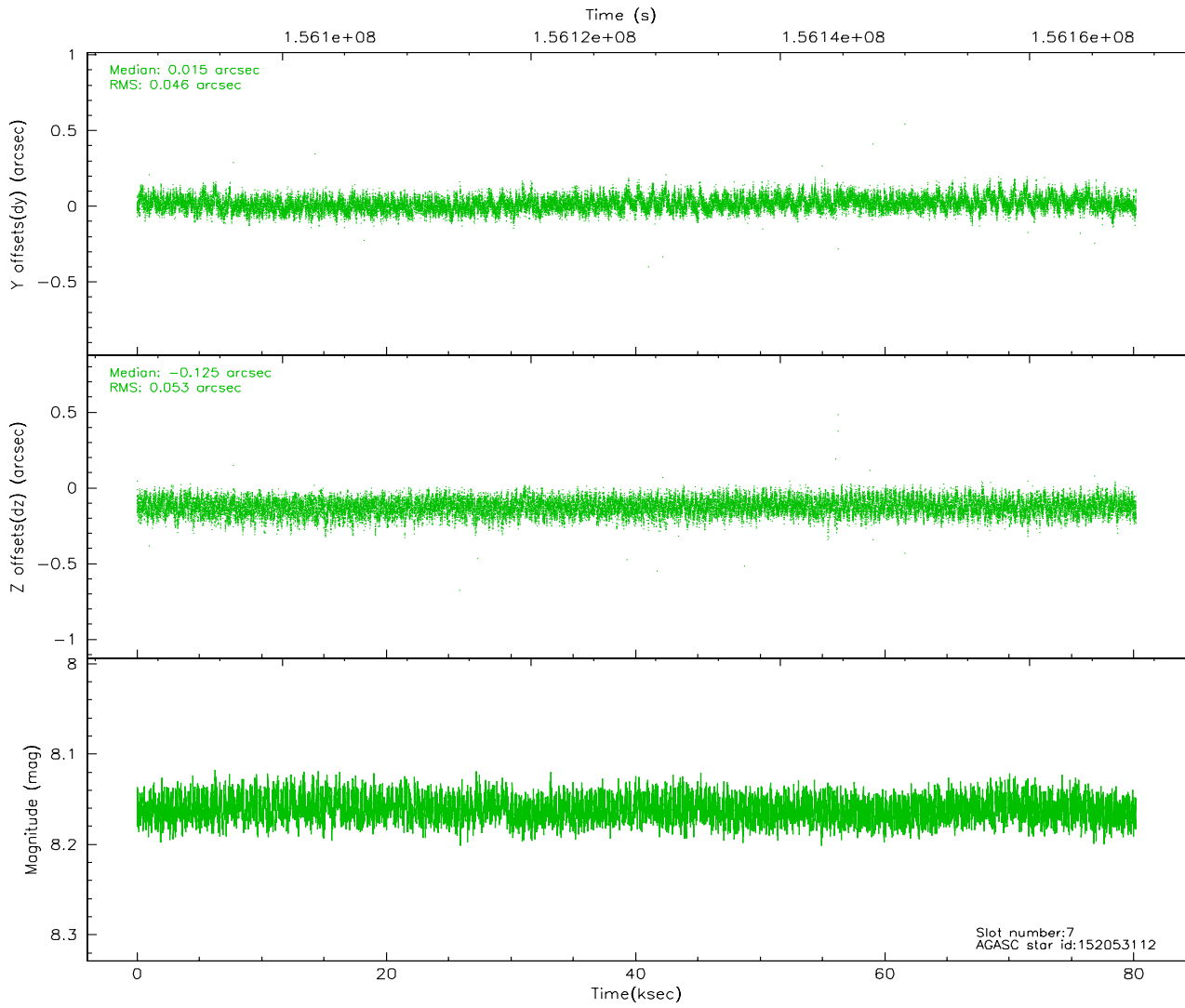
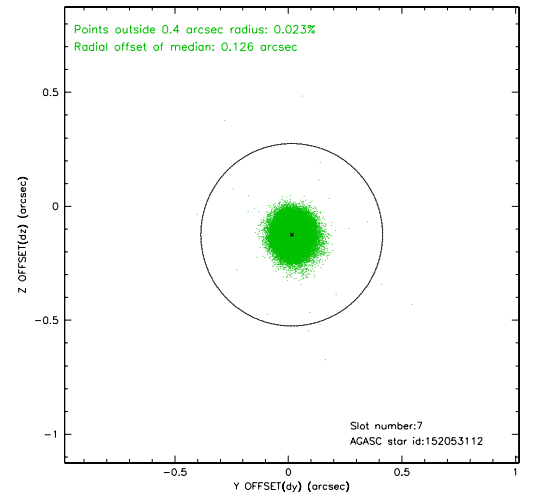
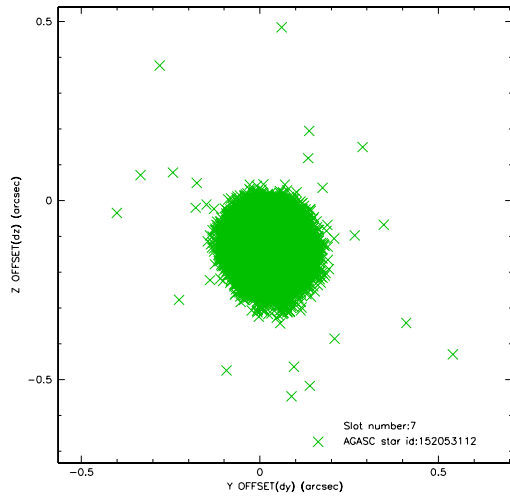
2.4.3 Slot 5



2.4.4 Slot 6

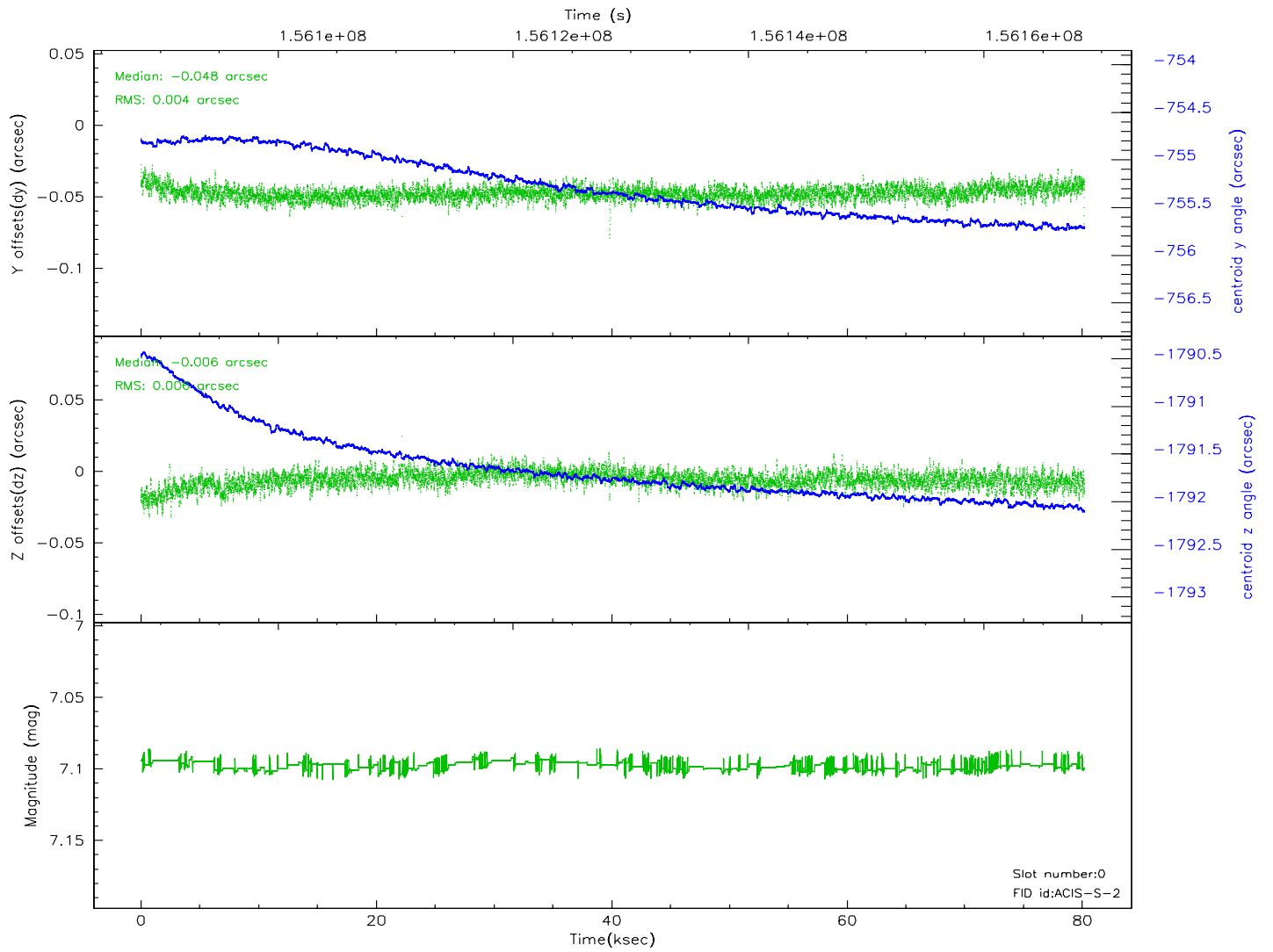
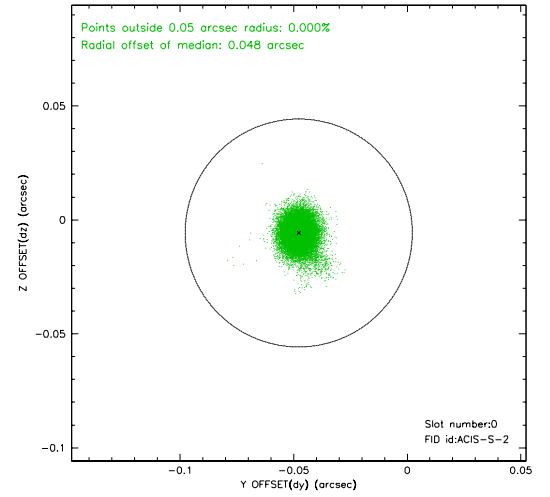
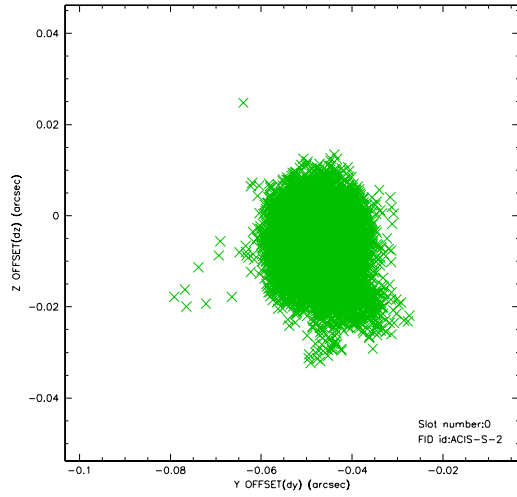


2.4.5 Slot 7

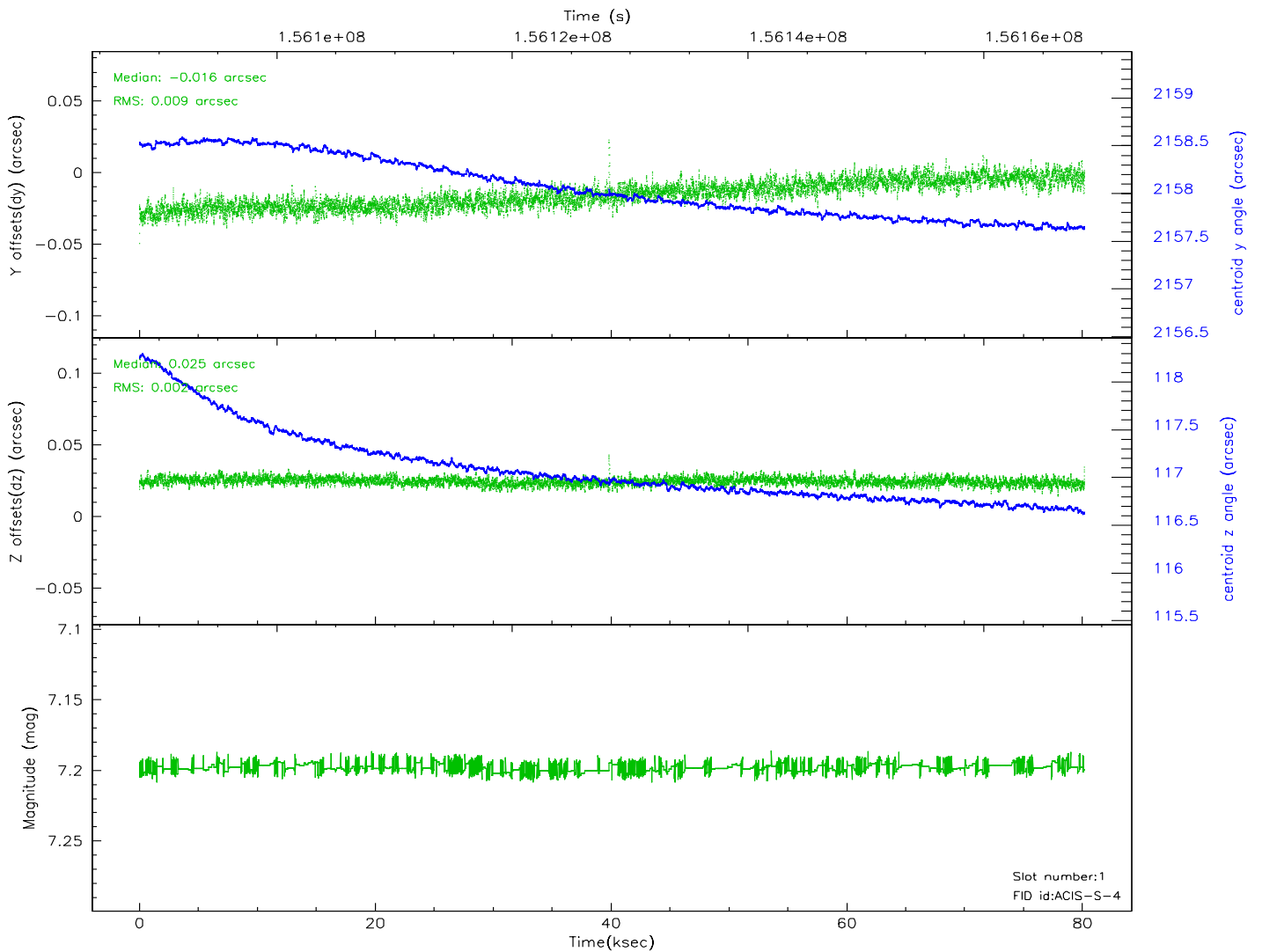
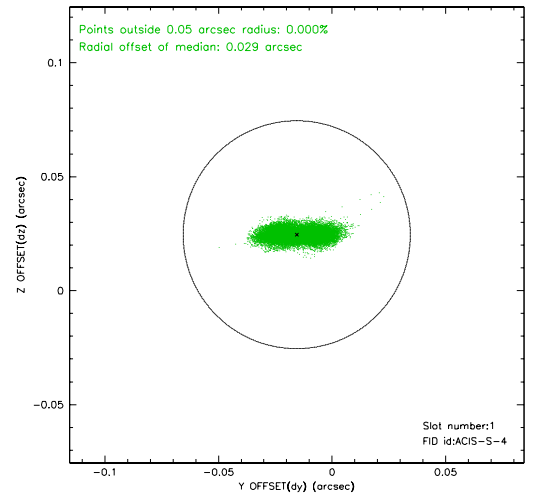
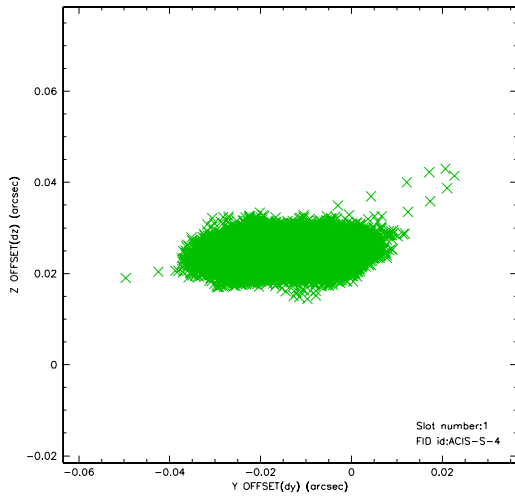


2.5 FID Slots

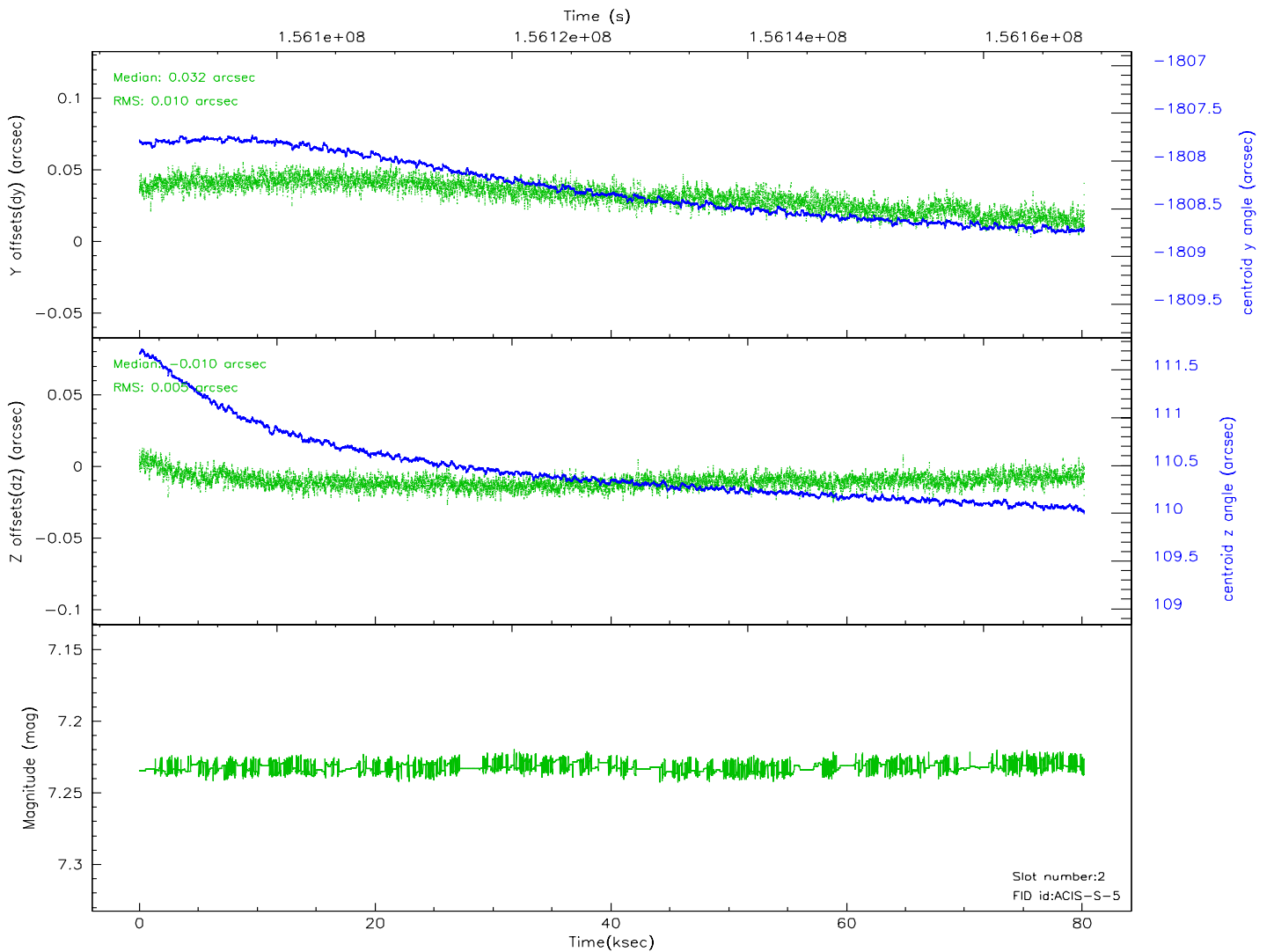
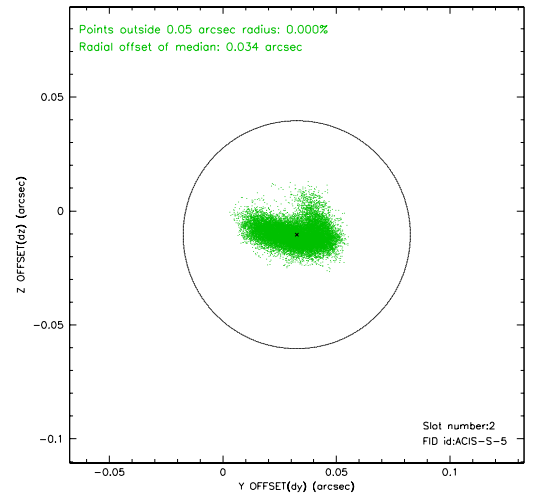
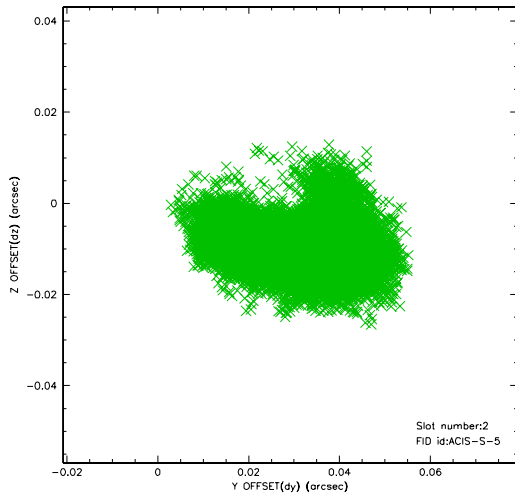
2.5.1 Slot 0



2.5.2 Slot 1

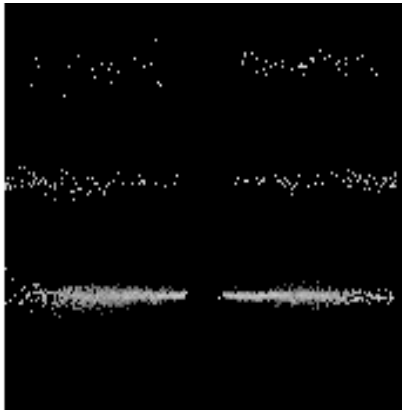


2.5.3 Slot 2

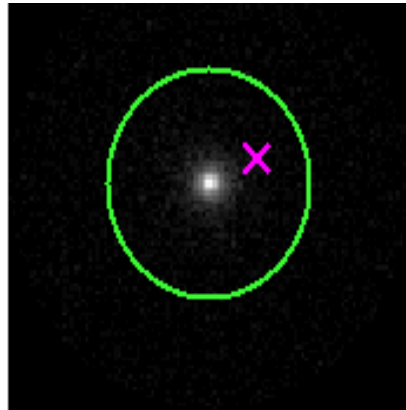


3 Gratings

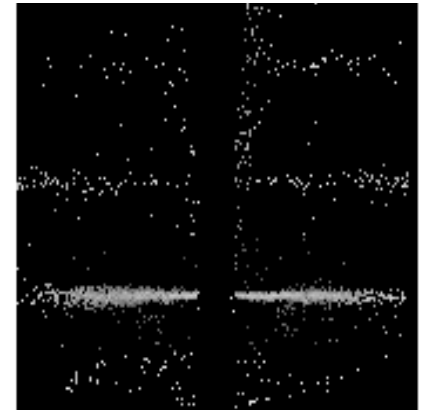
3.1 HEG Arm



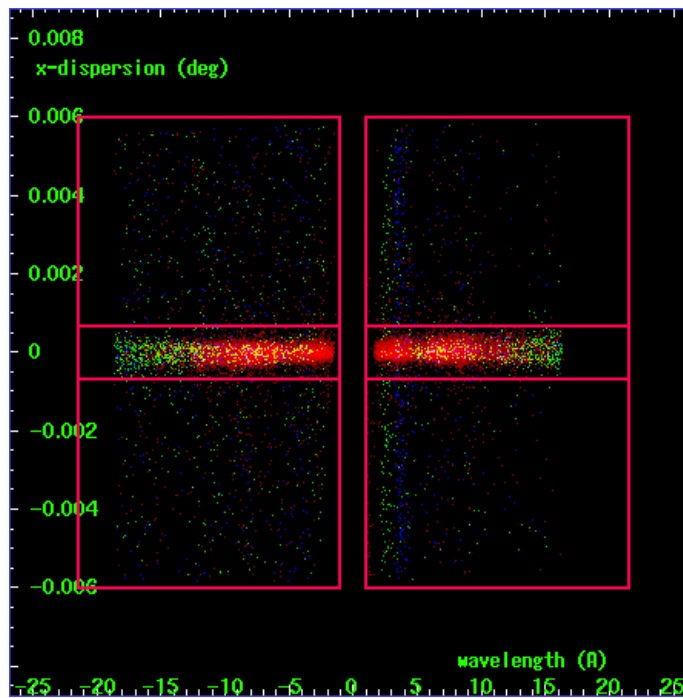
HEG Order Sort 123



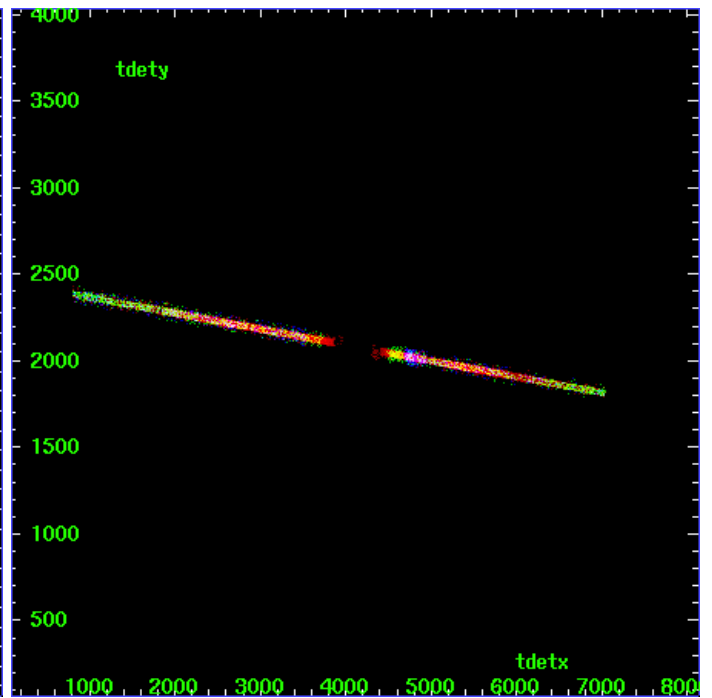
HEG Zero Order



HEG Order Sort ALL

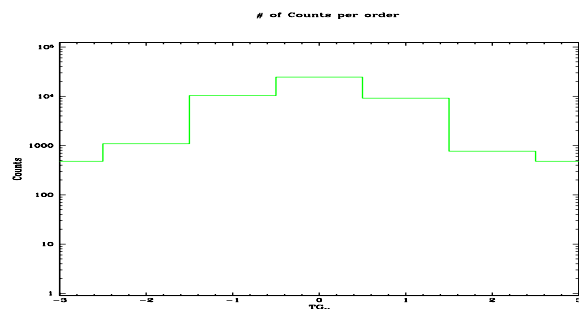


Spot Image HEG

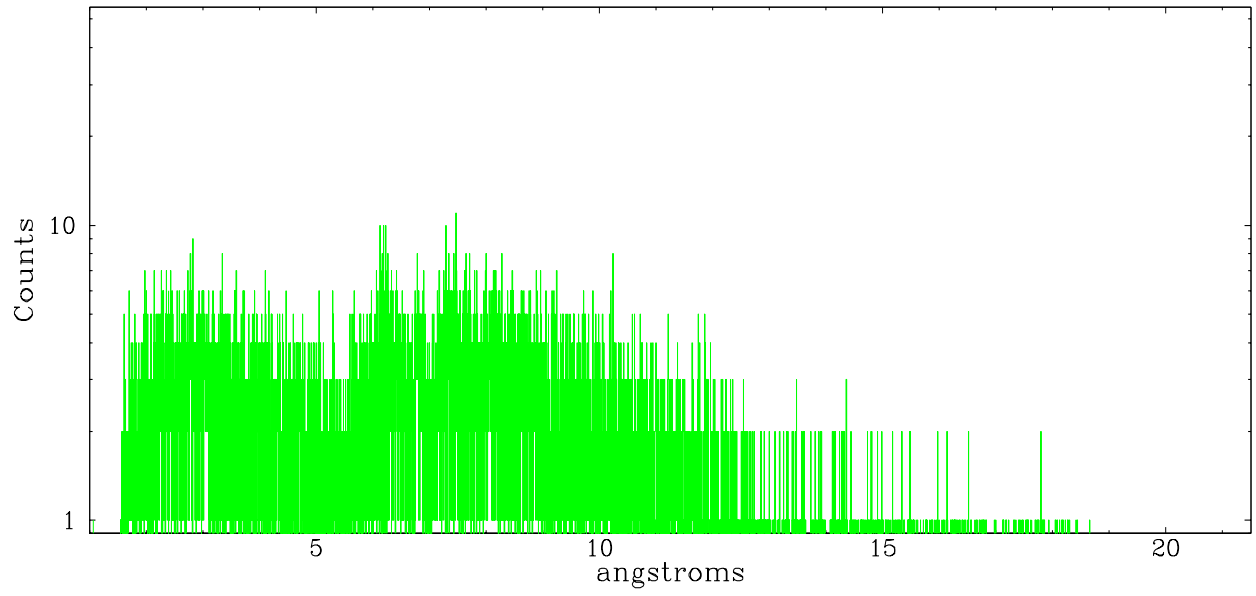


Full Detector HEG

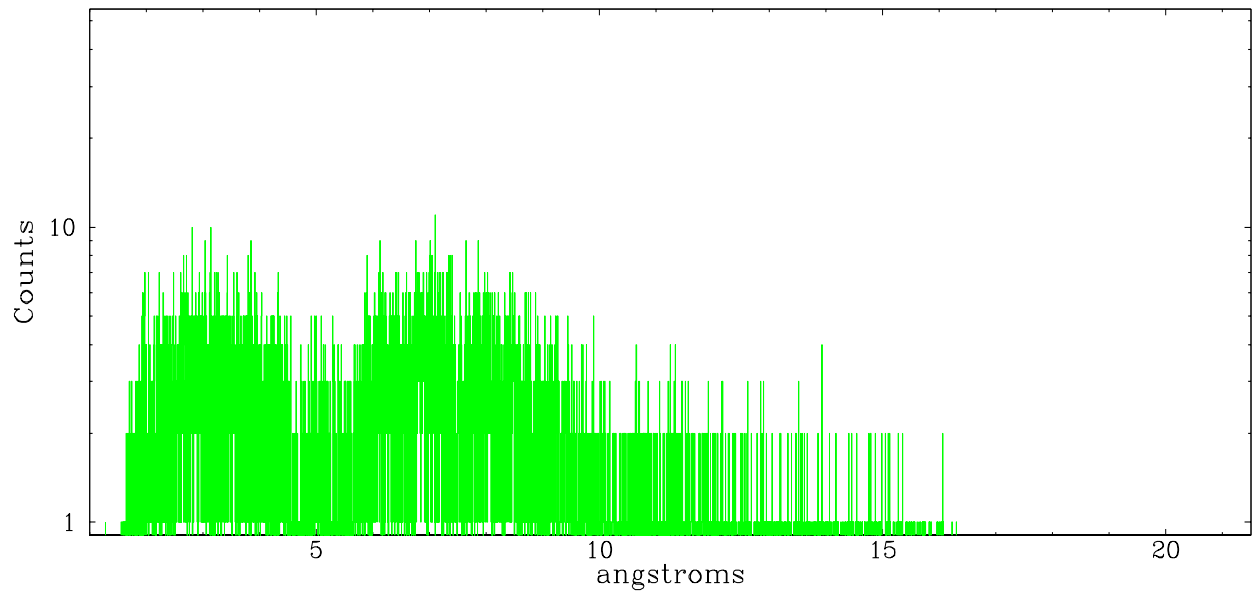
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	481	1084	10287	24503	9172	770	478



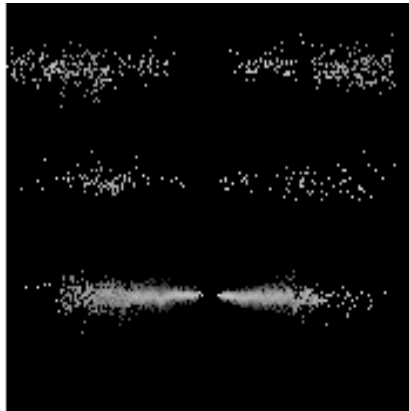
heg order -1



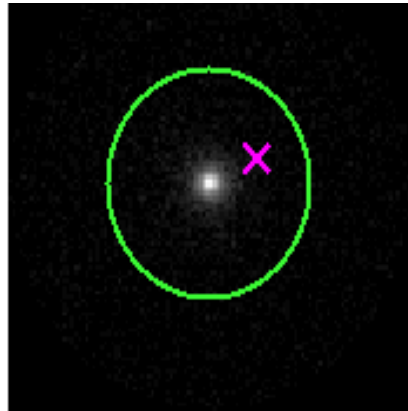
heg order +1



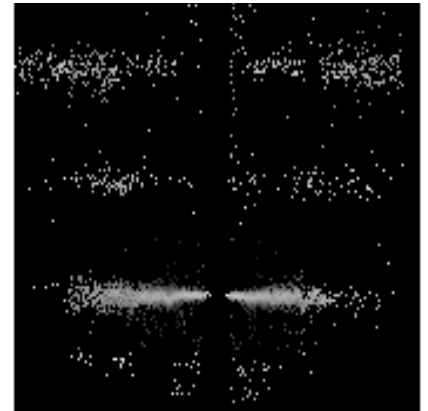
3.2 MEG Arm



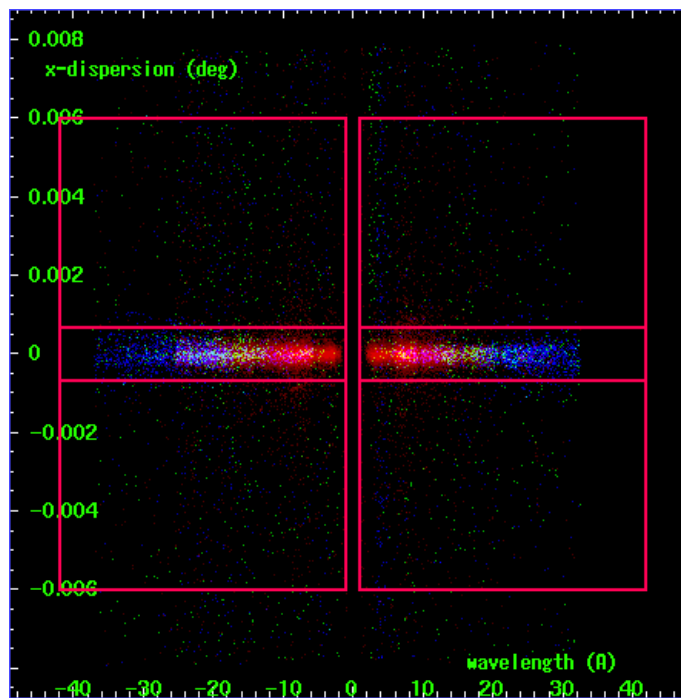
MEG Order Sort 123



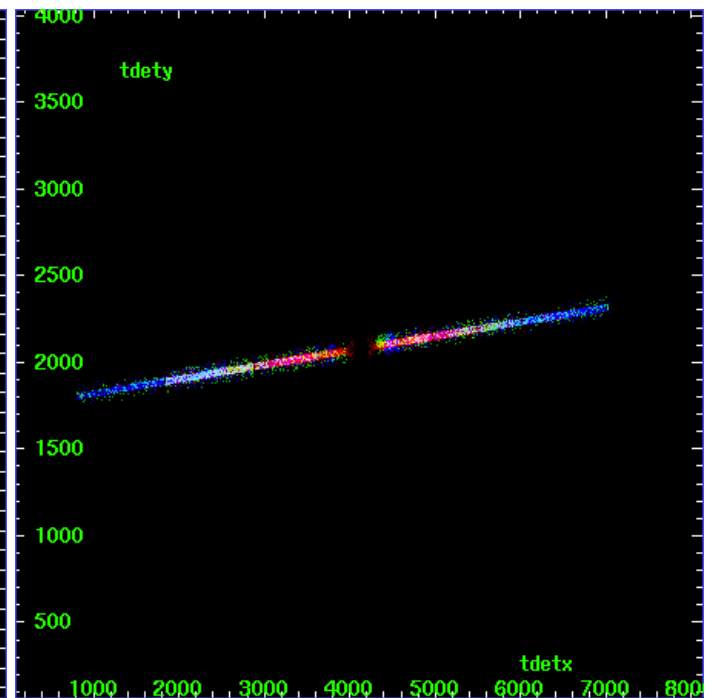
MEG Zero Order



MEG Order Sort ALL

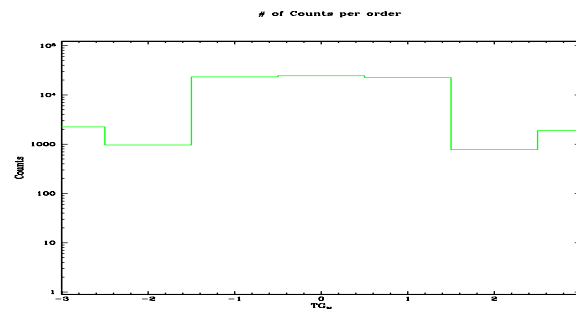


Spot Image MEG

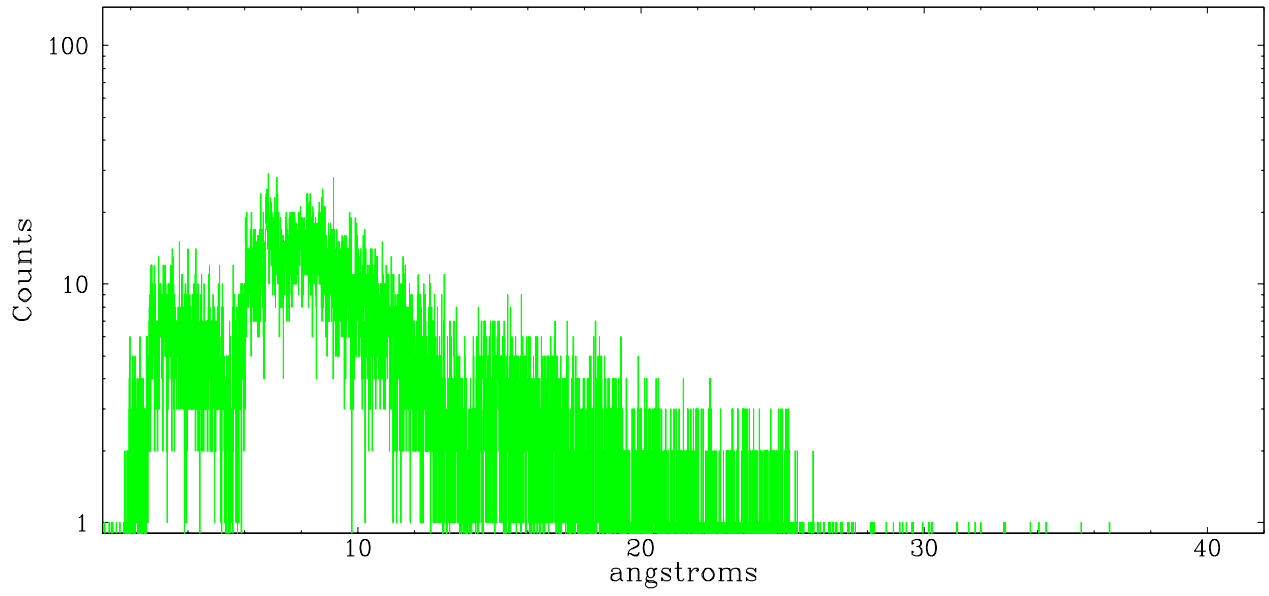


Full Detector MEG

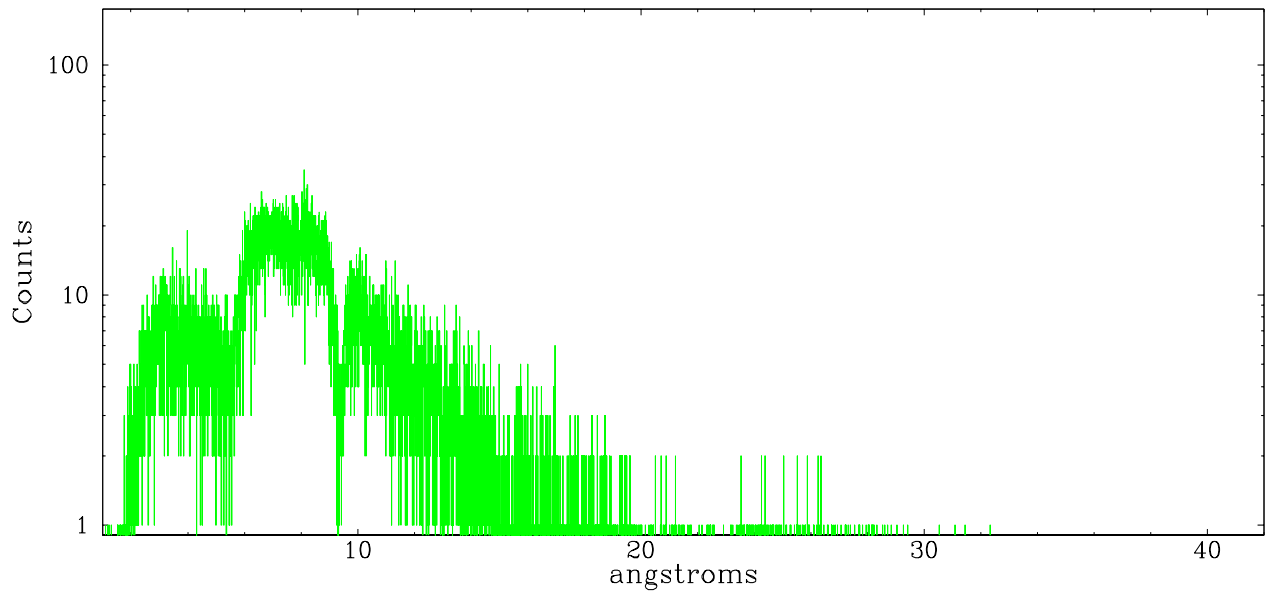
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	2239	967	23343	24503	22502	772	1893



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	79.889

A.2 Comments

Joint proposal with HST and FUSE for coordinated observations.

Observation ends 11 minutes after the specified end of the temporal range requested, but 10.5 hours of the observation are within the specified range.