

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3826 - L2 Version 001  
Chandra X-Ray Center

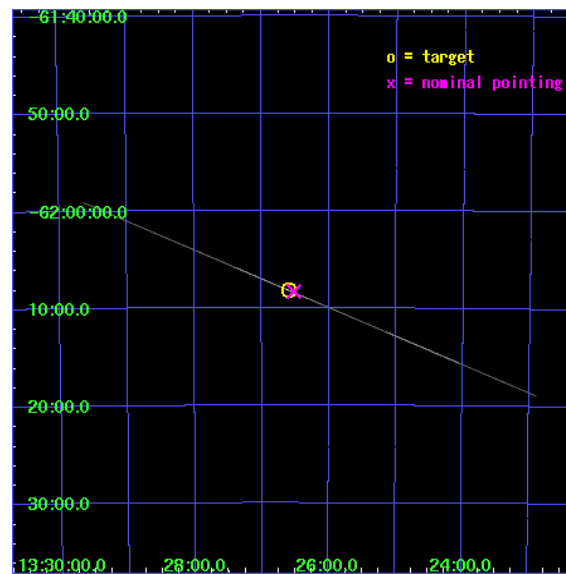
L2 Processing Date : Jul 3 2006

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# 1 Front

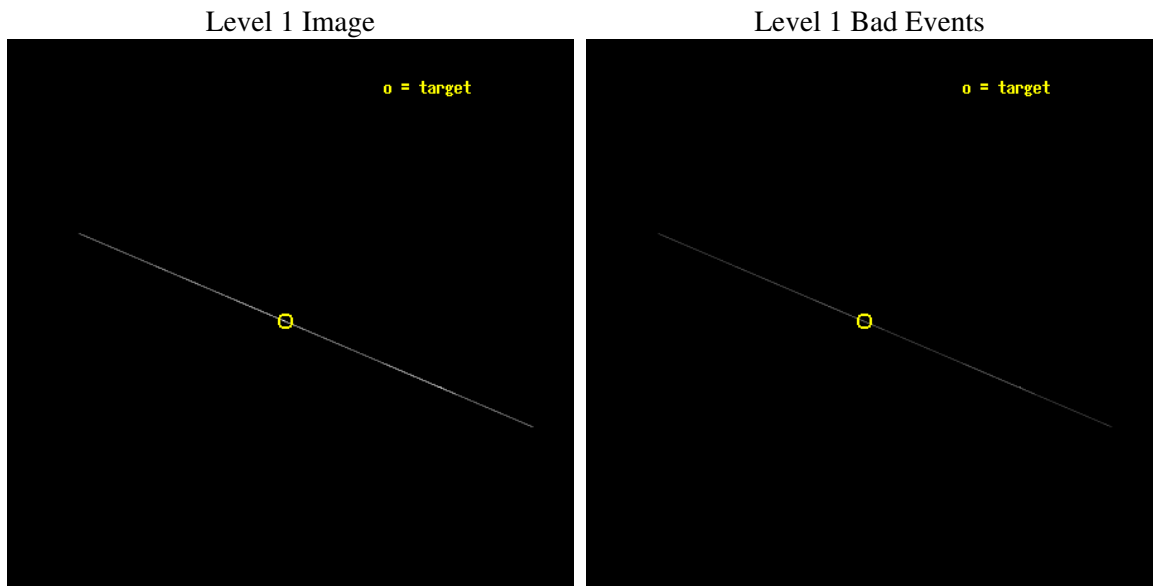
seq_num	400313
obs_id	3826
title	``QPO-FOLDED" SPECTROSCOPIC OF THE LOW-MASS X-RAY BINARY AND DIPPER 4U 1323-62
observer	Dr Mariano Mendez
object	4U 1323-619
ra_targ	201.650417
dec_targ	-62.136111
ra_nom	201.630285169
dec_nom	-62.138227127445
roll_nom	202.79157023349
revision	2
ontime	38158.5
livetime	38009.443359375
ontime4	38158.5
ontime5	38158.5
ontime6	38158.5
ontime7	38158.5
ontime8	38158.5
ontime9	38158.5
l2events	548469



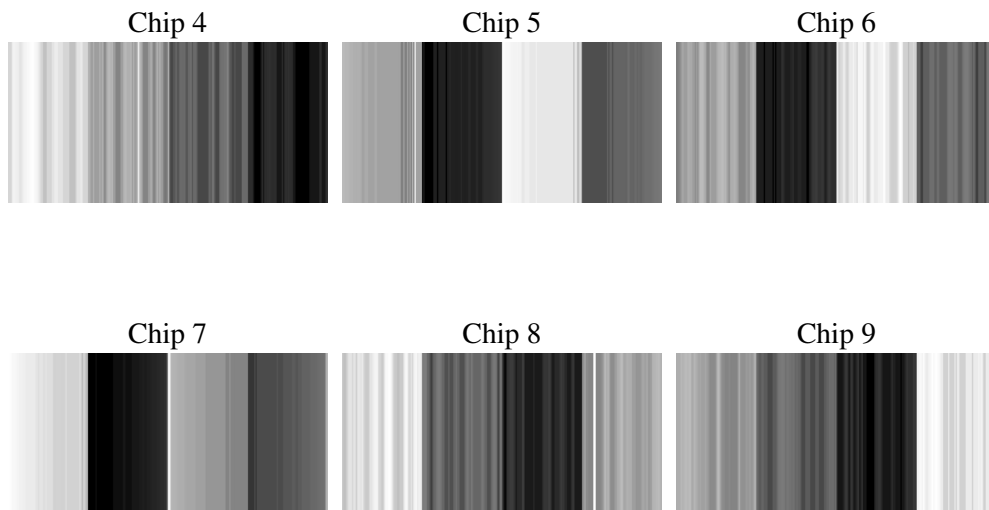
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-03T03:00:51
revision	2

sched_exp_time	38000.000000
ontime	39399.386511385
ontime4	39221.368898541
ontime5	39399.387526572
ontime6	39221.367869645
ontime7	39399.386511385
ontime8	39235.958825737
ontime9	39238.876701981
l1events	788819

### 2.1.4 Events

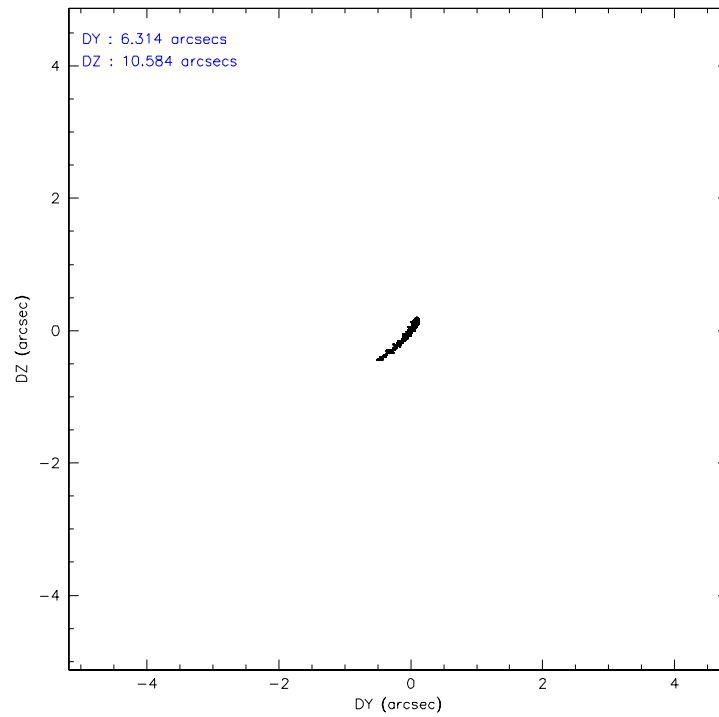
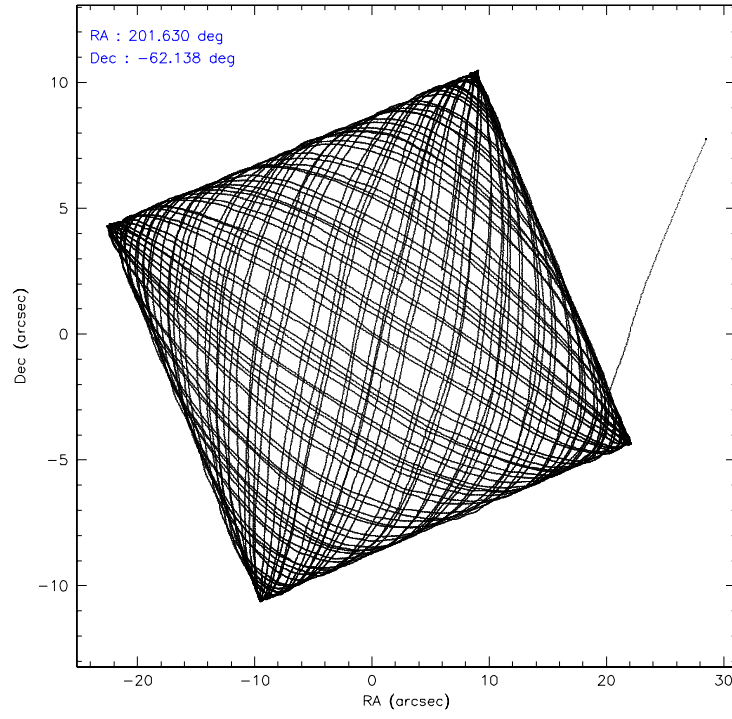
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	54691	248088	72484	246815	109692	57049
rejected events	10748	27414	12207	29300	17397	12604
rejected %	19%	11%	16%	11%	15%	22%

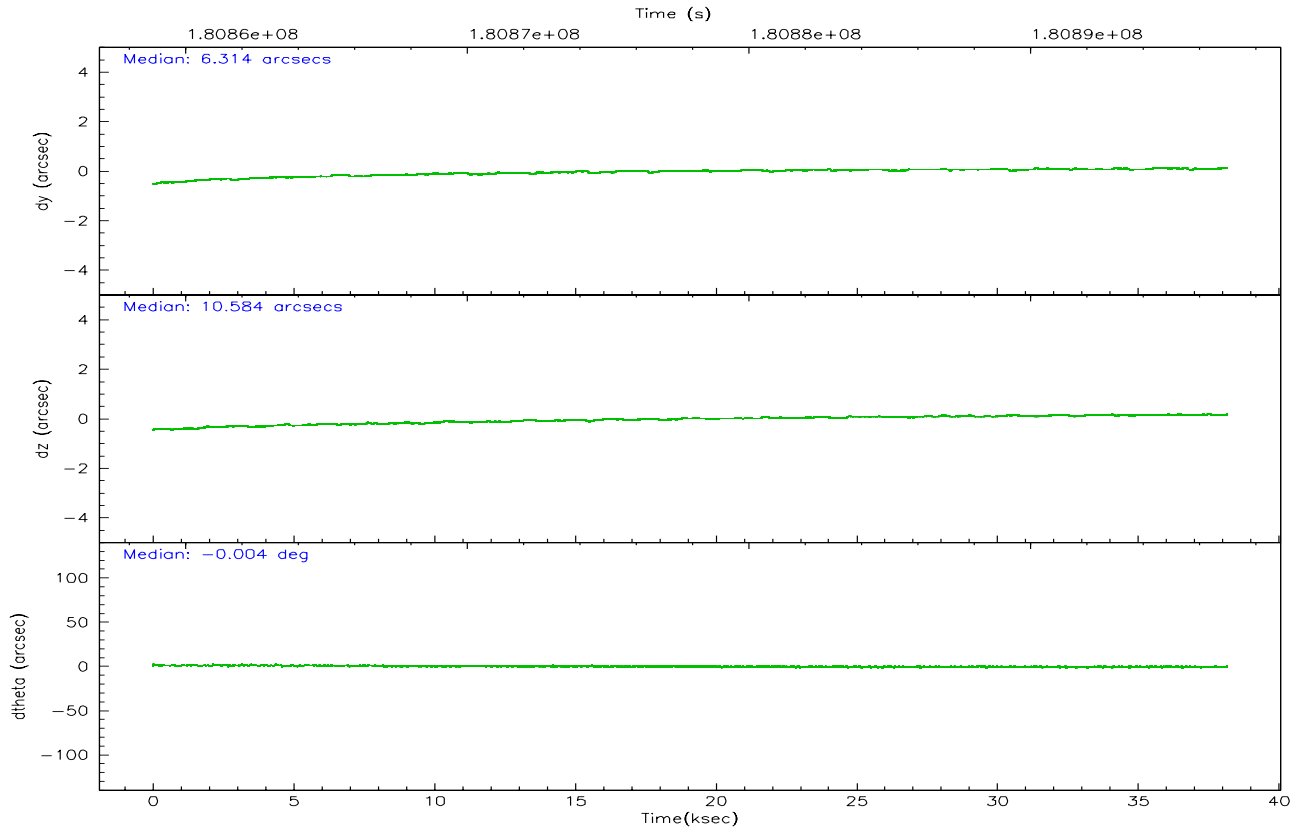
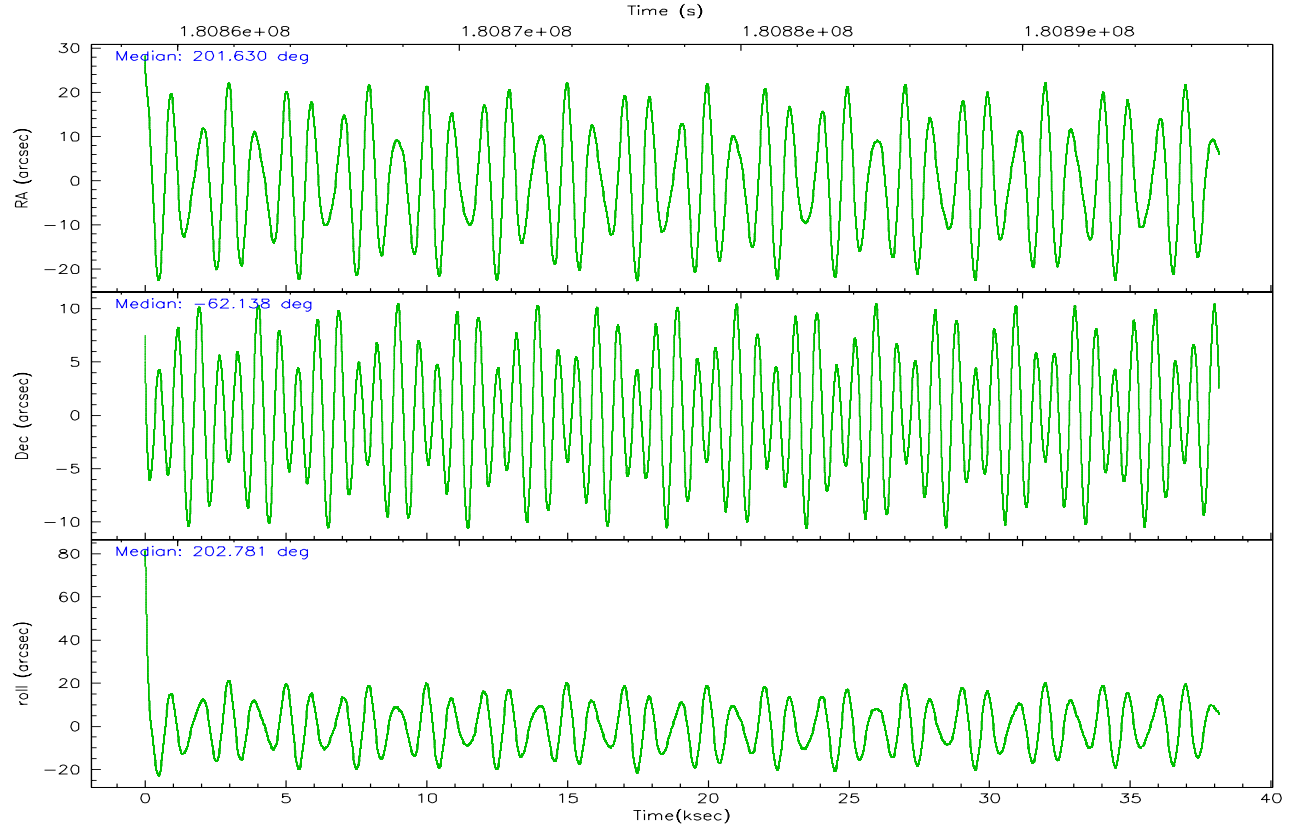
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	5955	52357	6076	20848	18456	6159
	10%	21%	8%	8%	16%	10%
grade 1 events	195	248	179	301	344	233
	0%	0%	0%	0%	0%	0%
grade 2 events	17189	60438	31531	60685	30259	16942
	31%	24%	43%	24%	27%	29%
grade 3 events	6241	3827	5646	13160	10700	5358
	11%	1%	7%	5%	9%	9%
grade 4 events	6533	3676	5535	12532	10587	5965
	11%	1%	7%	5%	9%	10%
grade 5 events	9275	19878	10658	23979	14609	11098
	16%	8%	14%	9%	13%	19%
grade 6 events	9303	107664	12859	115310	24737	11294
	17%	43%	17%	46%	22%	19%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

## 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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	201.664819	201.6302851690048	Alternating exposures requested	N	N
Pointing Dec	-62.116318	-62.13822712744523	Primary exposure time	0.000000	0
Pointing Roll	202.665452	202.7915702334871			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-186.132523	-186.1397904050899			
SIM translation stage offset (mm)	-4	-3.992732177917873			
Observation start time	180858990.184000	180857591.38284			
Observation start date	2003-09-25T06:35:26	2003-09-25T06:13:11			
Observation end time	180896990.184000	180897678.62206			
Observation end date	2003-09-25T17:08:46	2003-09-25T17:21:18			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





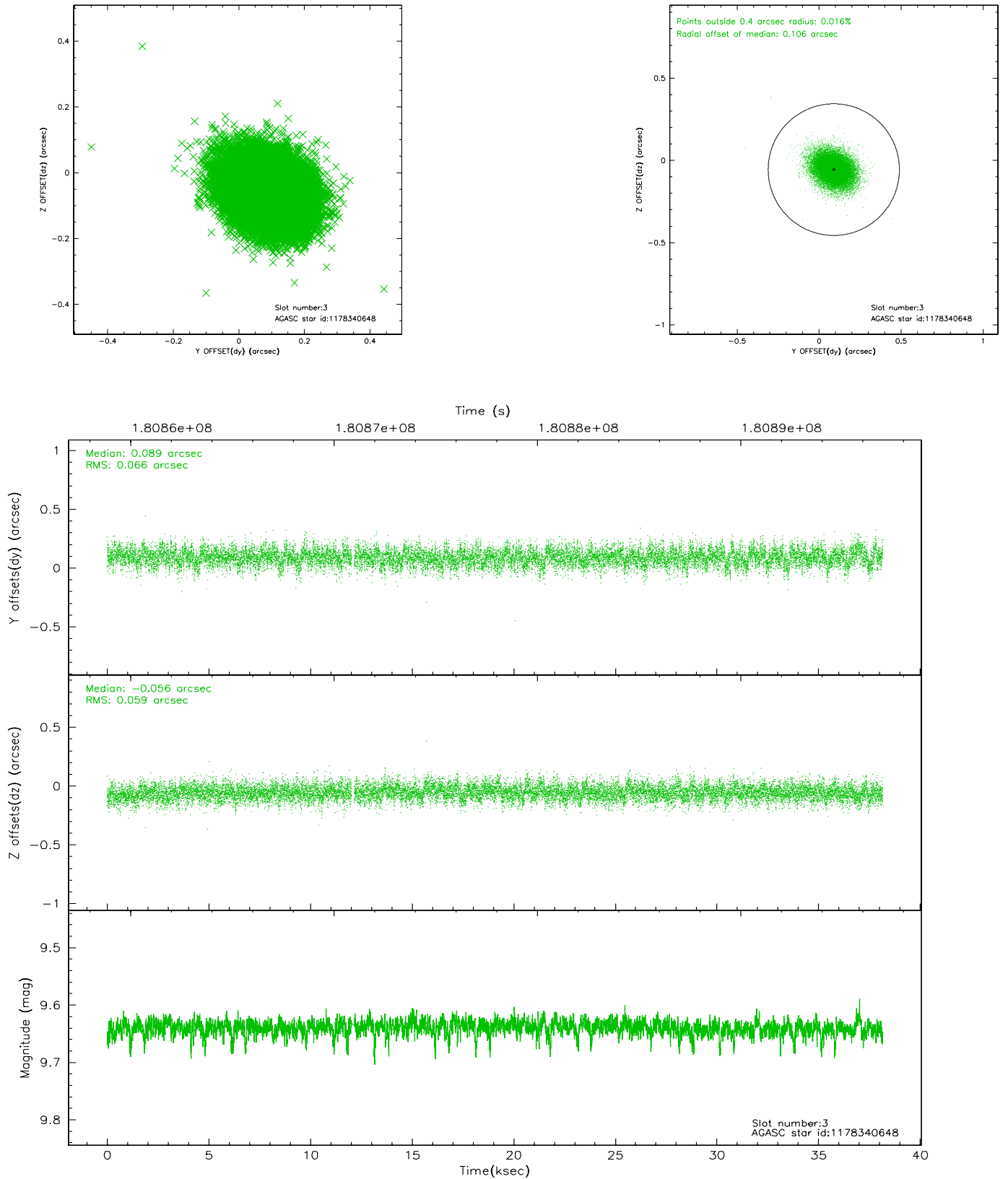
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	9307	-0.064	-0.041	0.006	0.027	0.000000	0.000000	-758.80	-1814.21
1	FID	ACIS-S-4	7.18	9308	0.015	0.049	0.006	0.021	0.000000	0.000000	2154.56	94.29
2	FID	ACIS-S-6	7.38	9308	0.022	-0.001	0.007	0.014	0.000000	0.000000	403.32	731.68
3	GUIDE	1178340648	9.64	18538	0.089	-0.056	0.093	0.154	200.205772	-61.737899	1781.67	-2189.18
4	GUIDE	1178868872	8.94	18609	0.091	-0.128	0.067	0.108	201.064306	-62.258562	1128.11	89.25
5	GUIDE	1179008976	8.90	18523	-0.054	0.090	0.064	0.105	202.320416	-62.367284	-659.77	1260.85
6	GUIDE	1179016592	8.92	18611	-0.081	0.087	0.066	0.107	202.517430	-62.293843	-1067.03	1148.51
7	GUIDE	1179017888	9.57	18610	-0.045	0.009	0.089	0.148	202.573145	-62.346477	-1076.99	1359.33

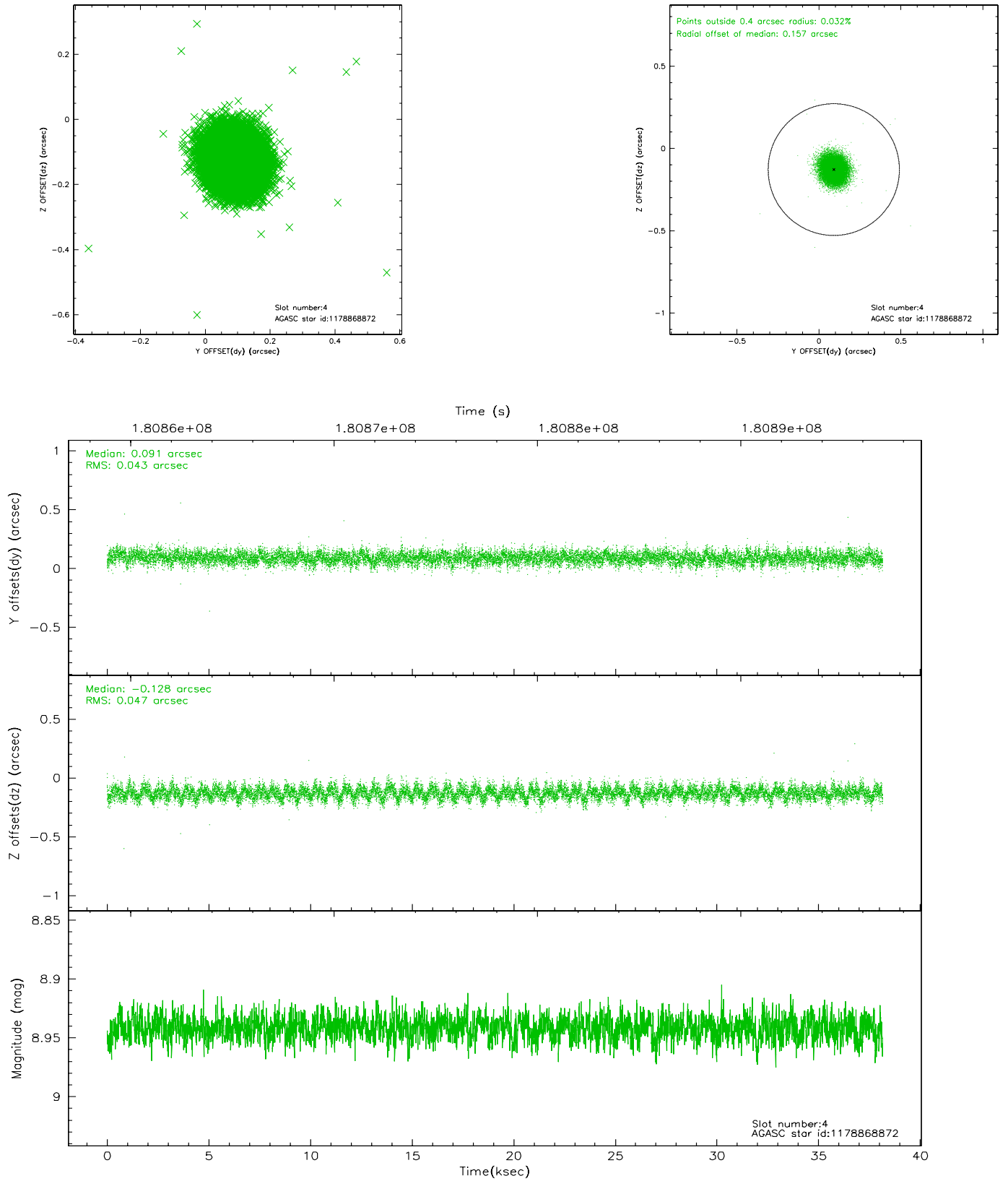


## 2.4 Star Slots

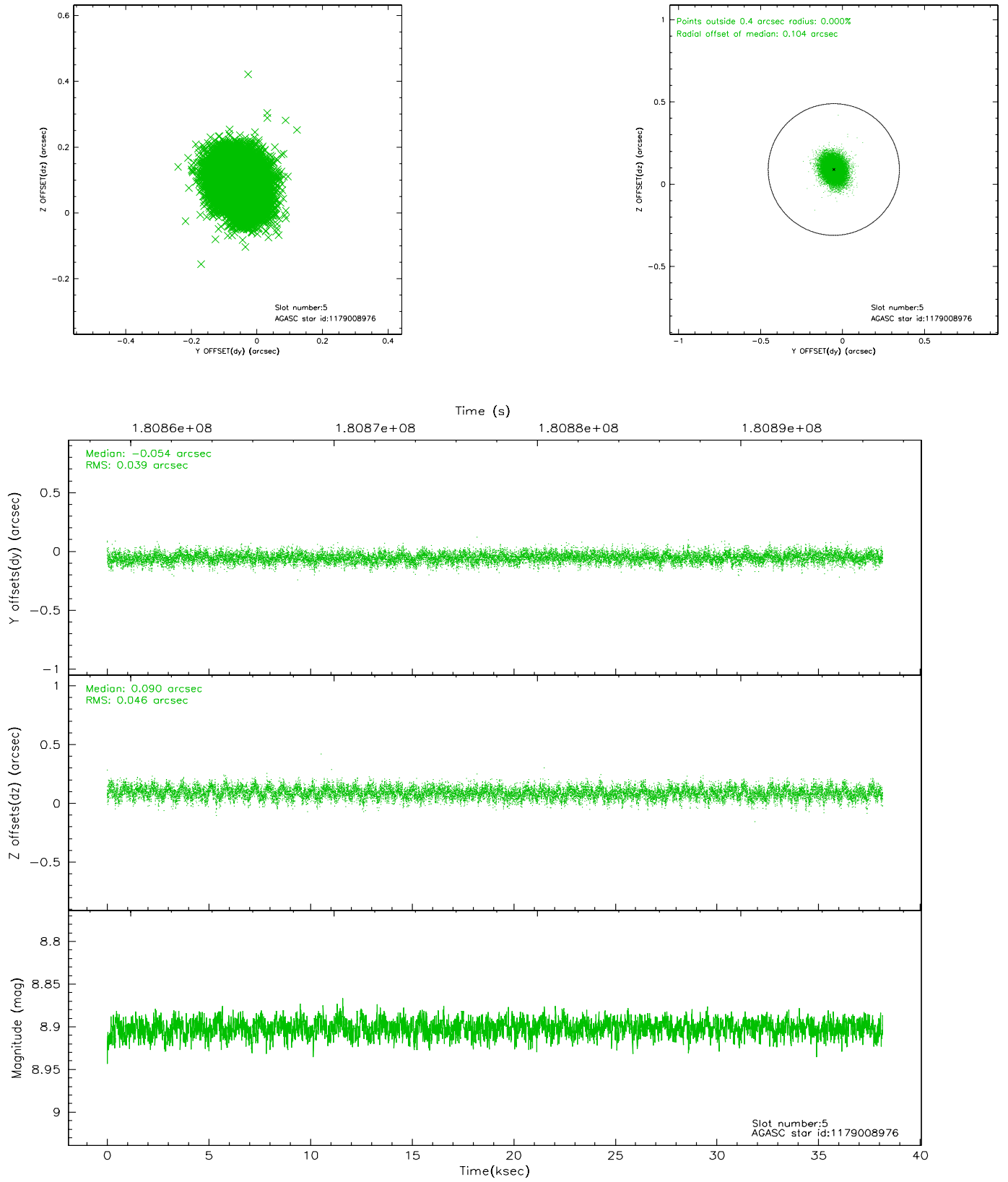
### 2.4.1 Slot 3



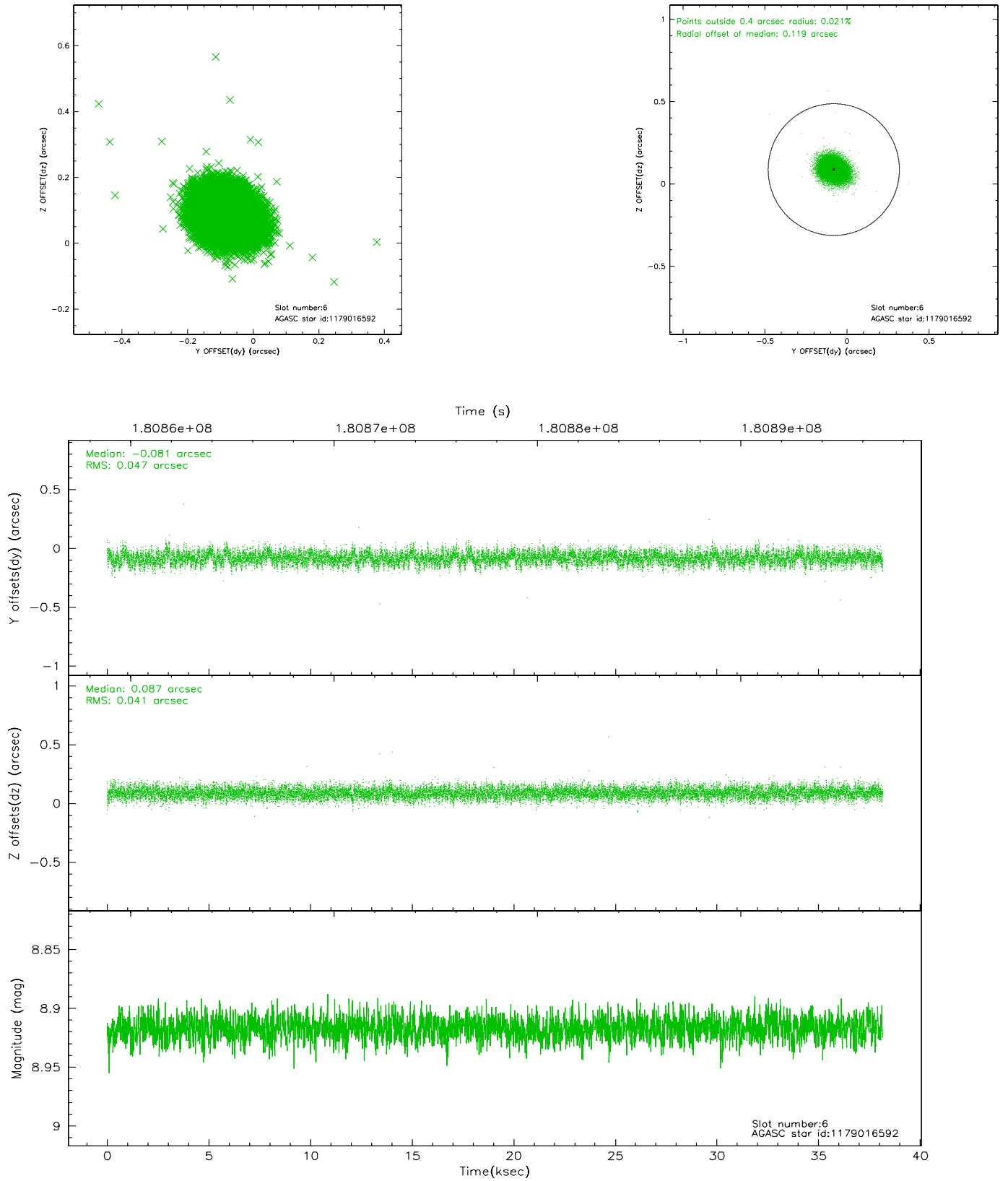
## 2.4.2 Slot 4



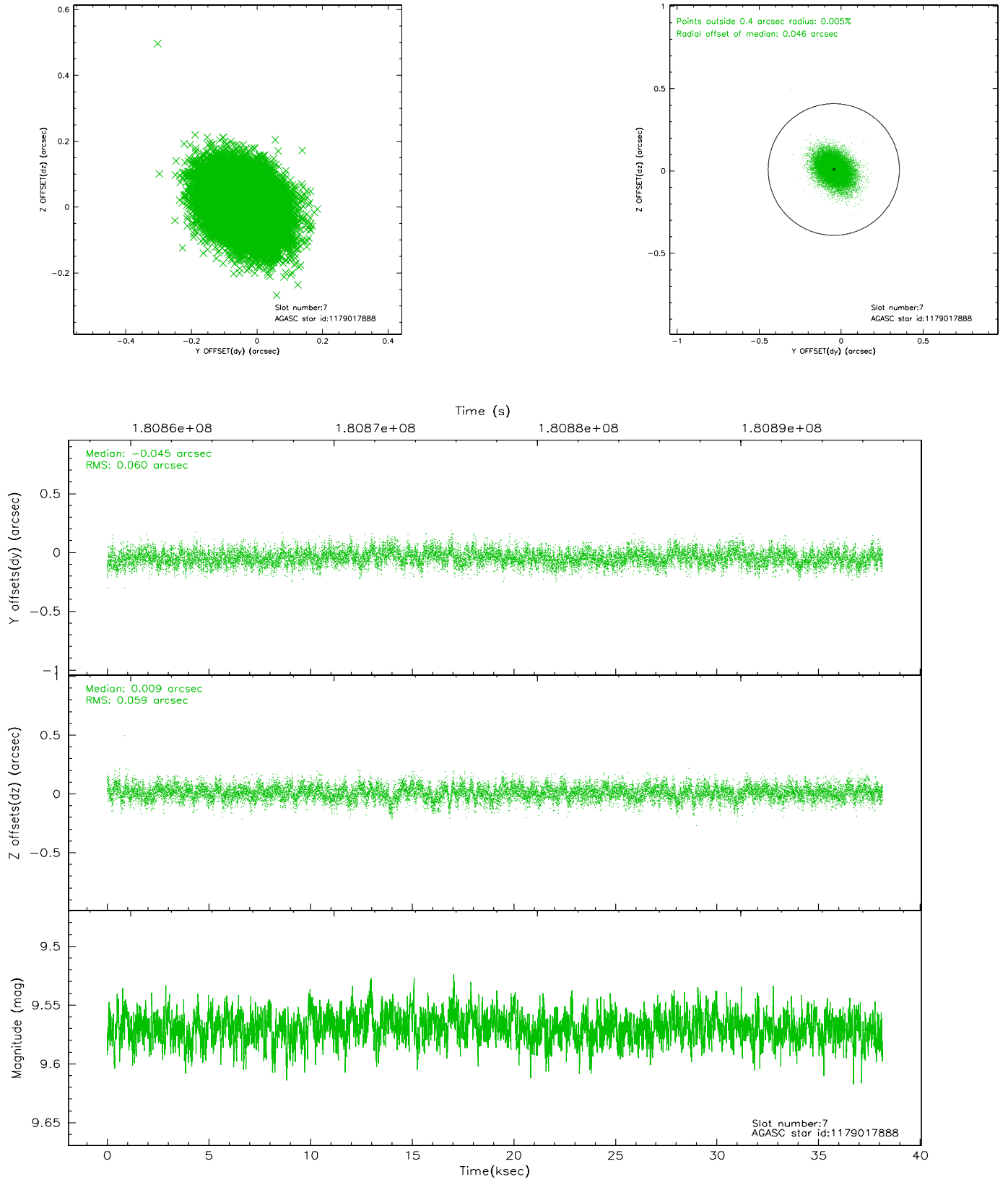
### 2.4.3 Slot 5



## 2.4.4 Slot 6

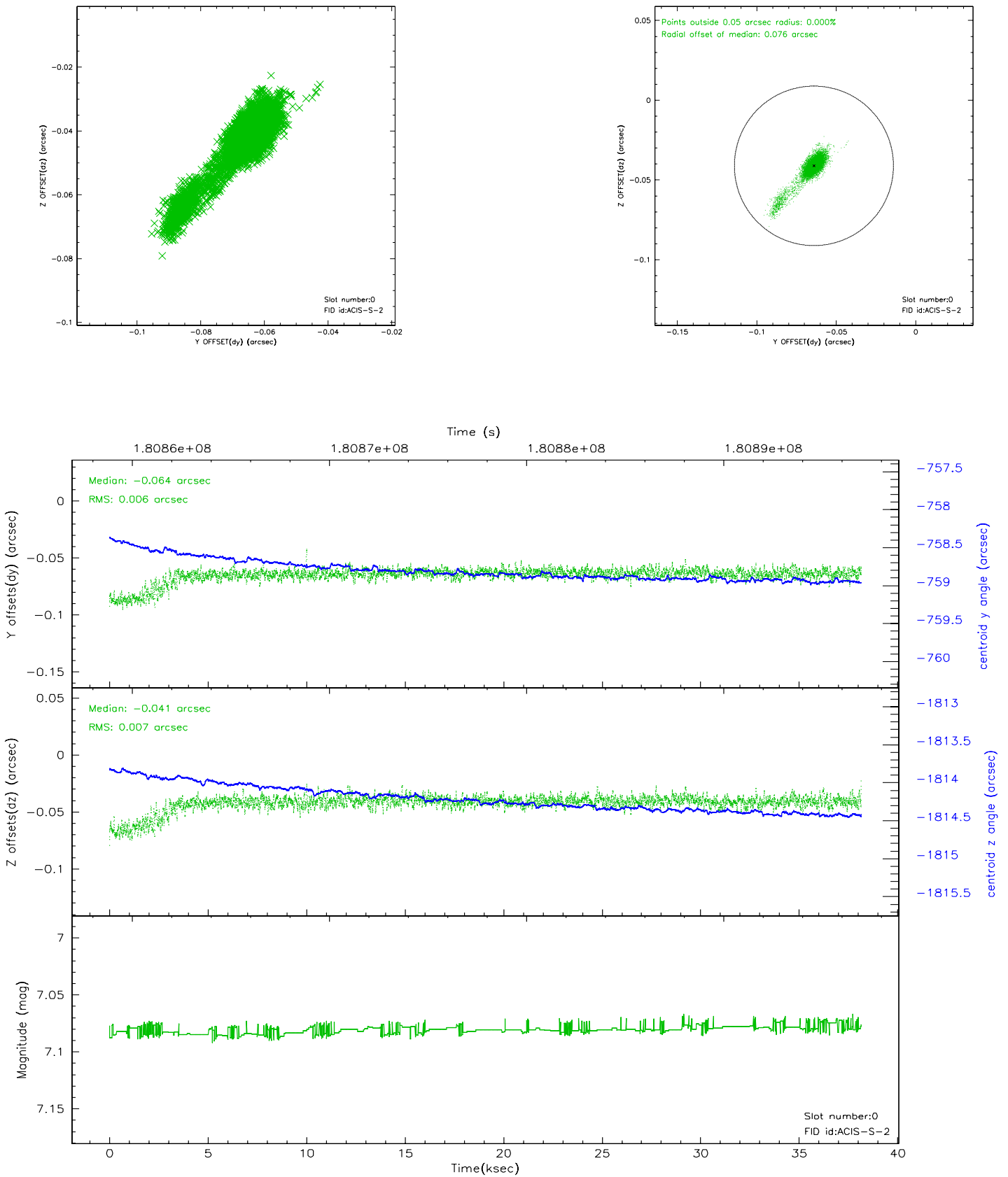


## 2.4.5 Slot 7

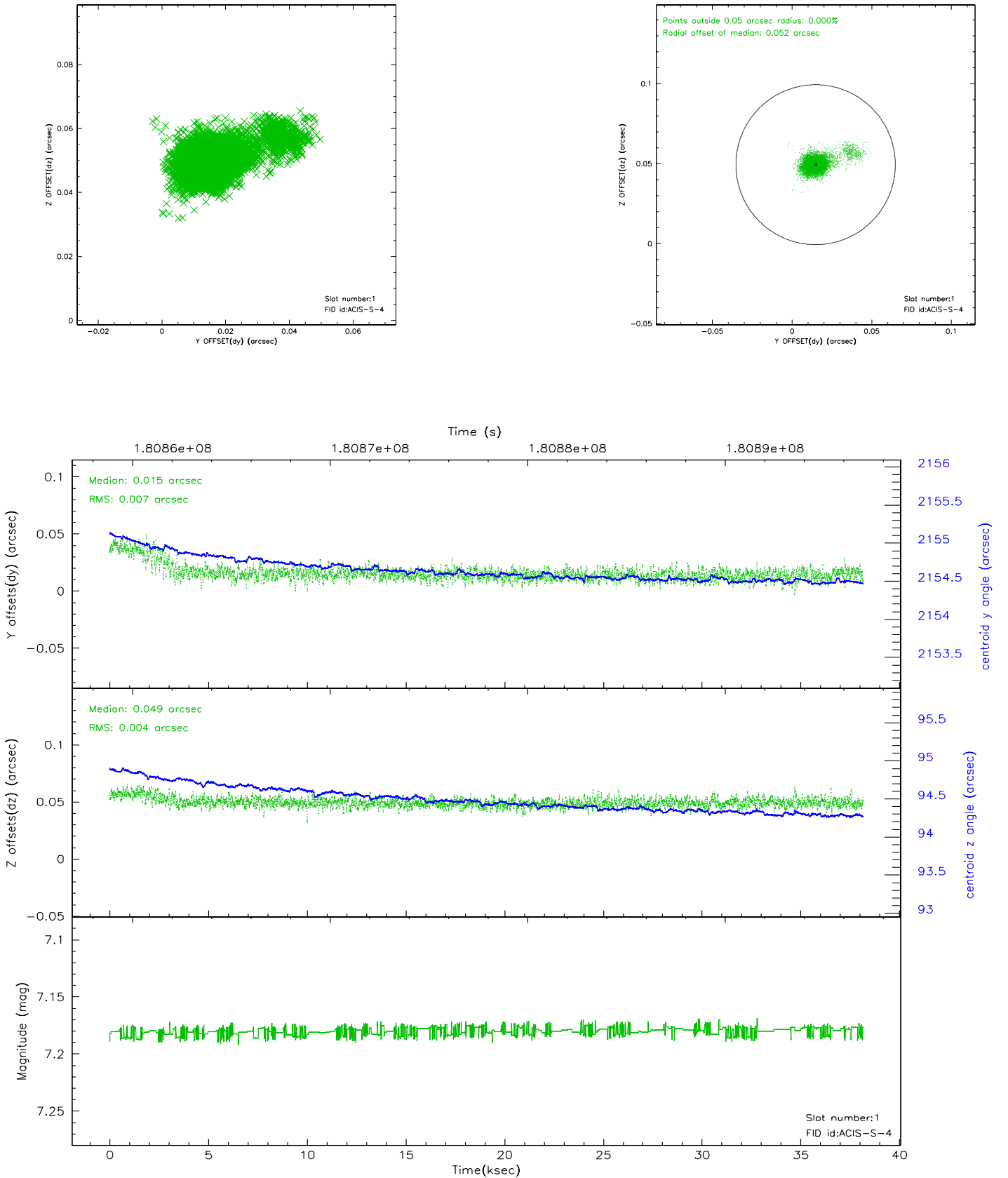


## 2.5 FID Slots

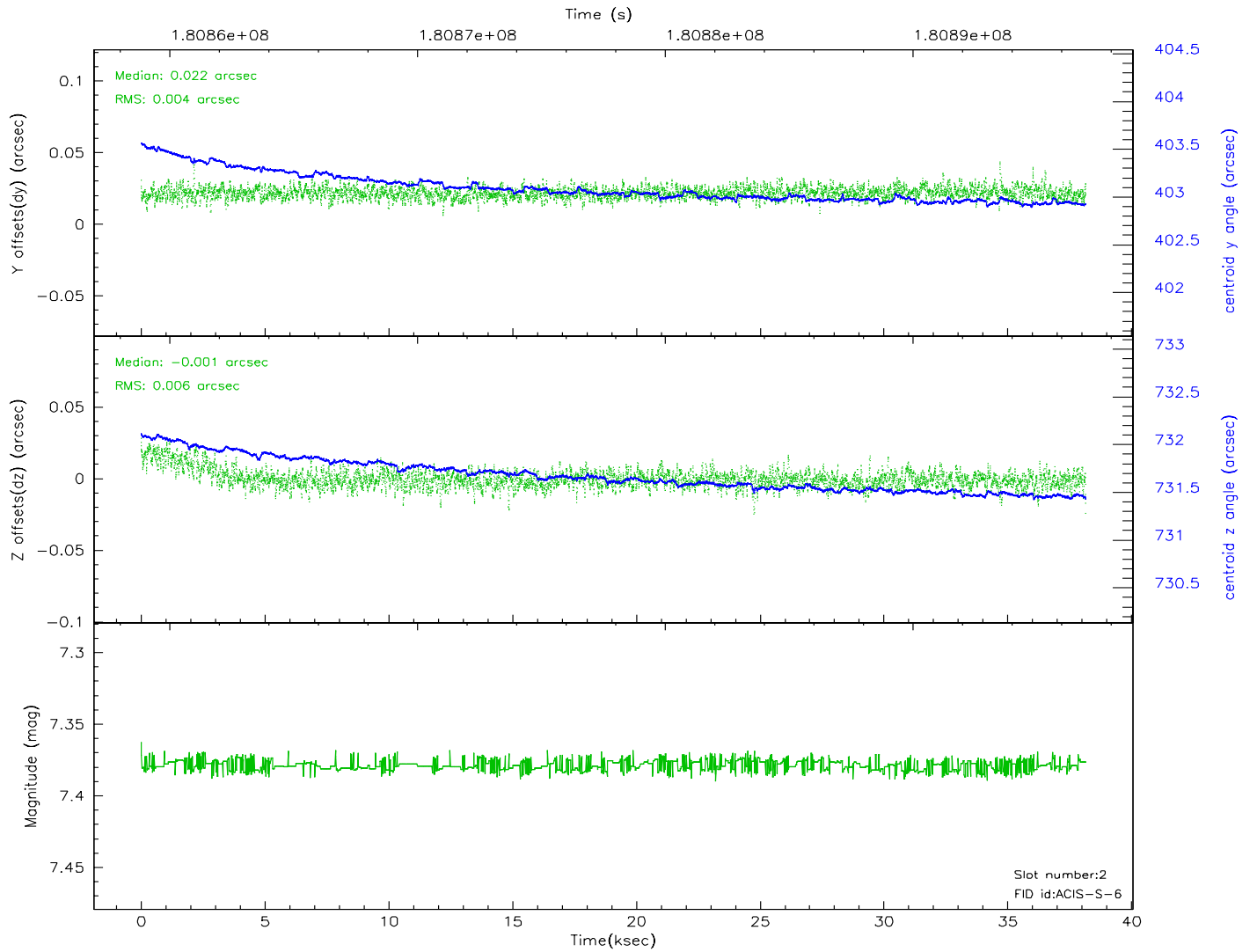
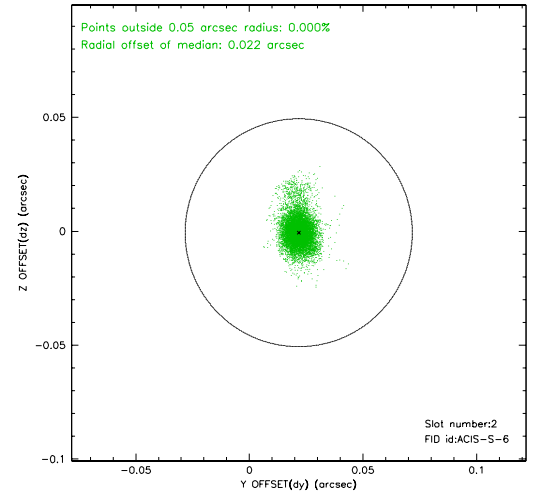
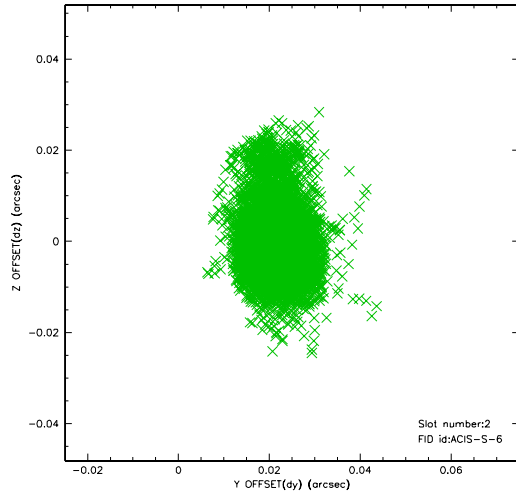
### 2.5.1 Slot 0



## 2.5.2 Slot 1



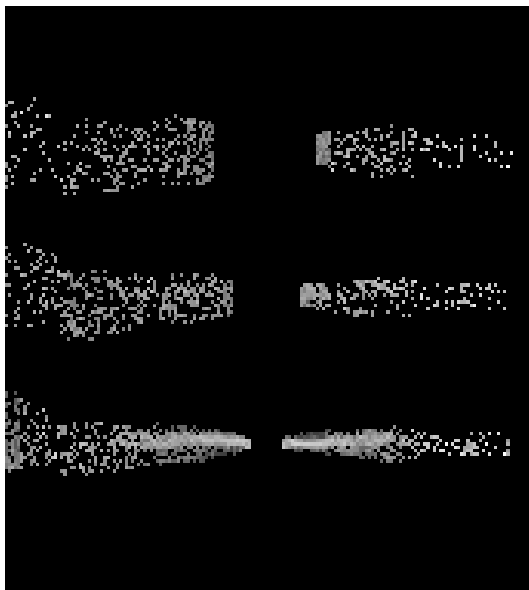
### 2.5.3 Slot 2



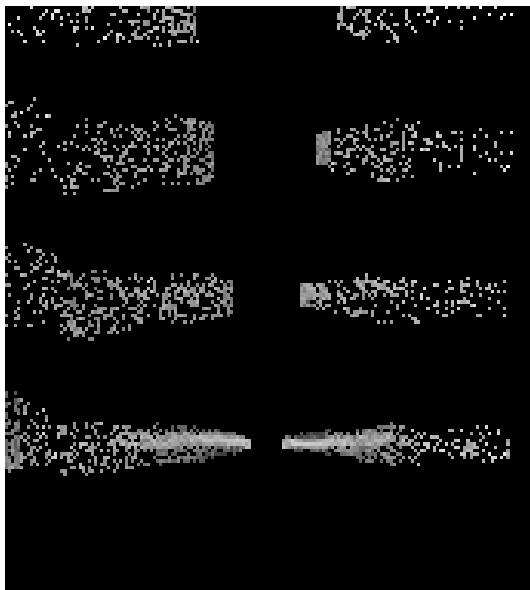


# 3 Gratings

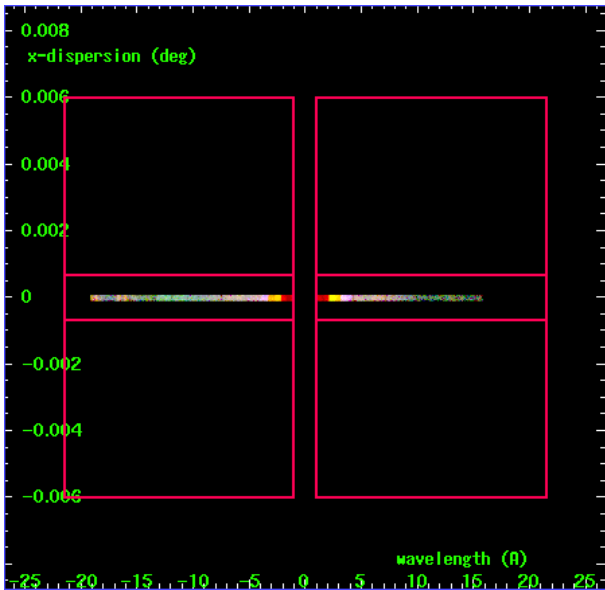
## 3.1 HEG Arm



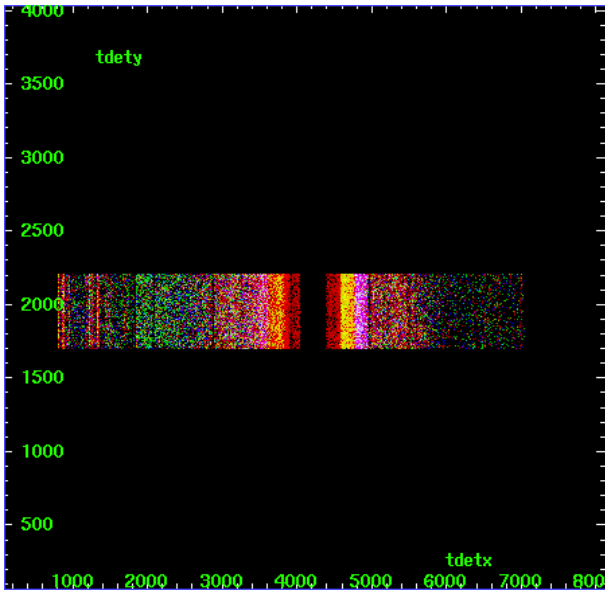
HEG Order Sort 123



HEG Order Sort ALL

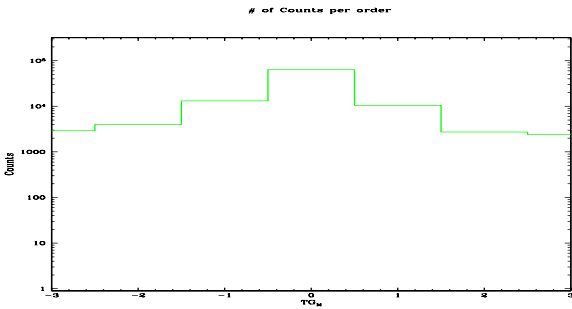


Spot Image HEG

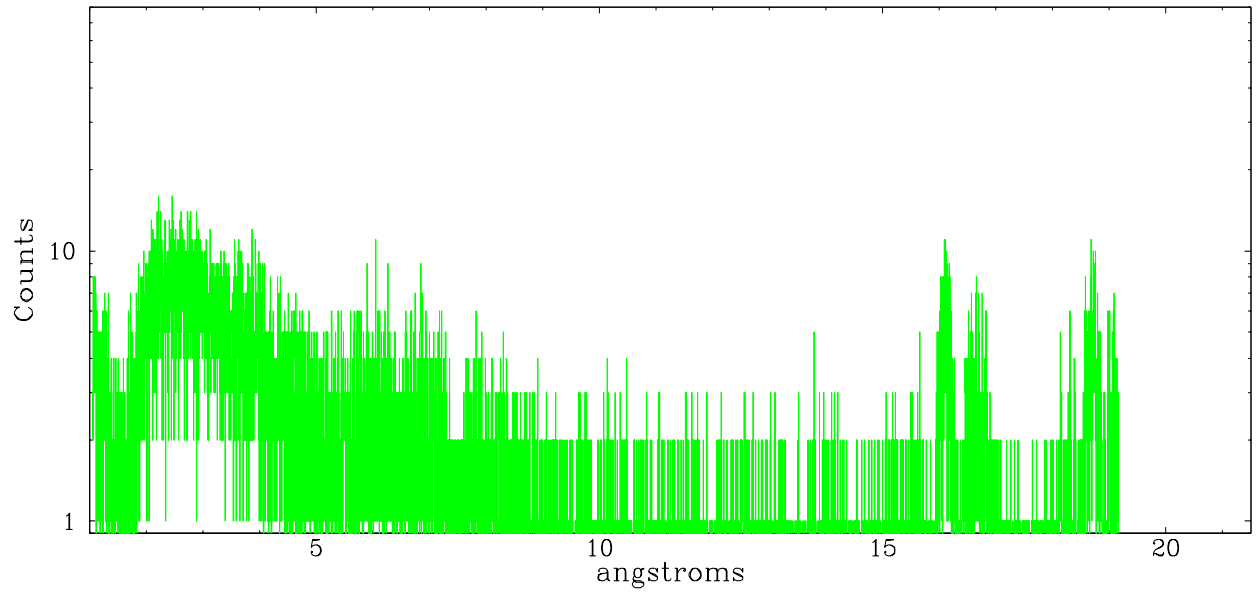


Full Detector HEG

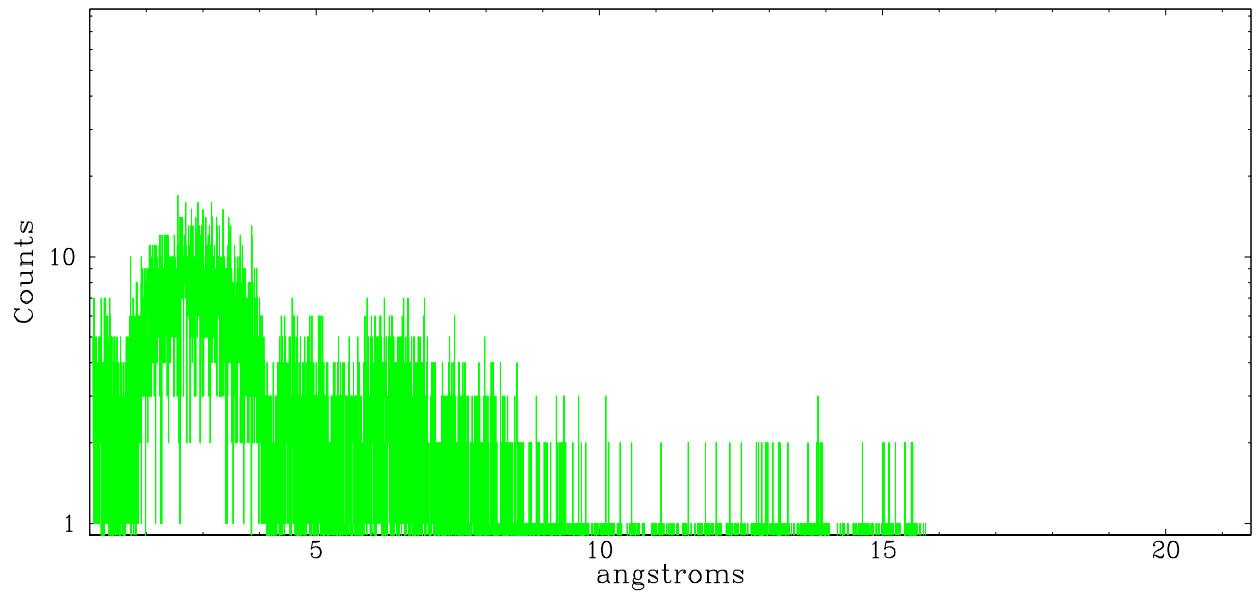
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	2902	3967	13158	63274	10482	2722	2411



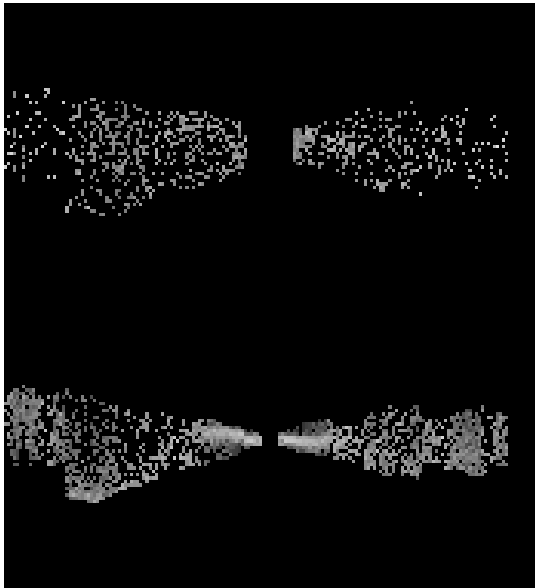
heg order -1



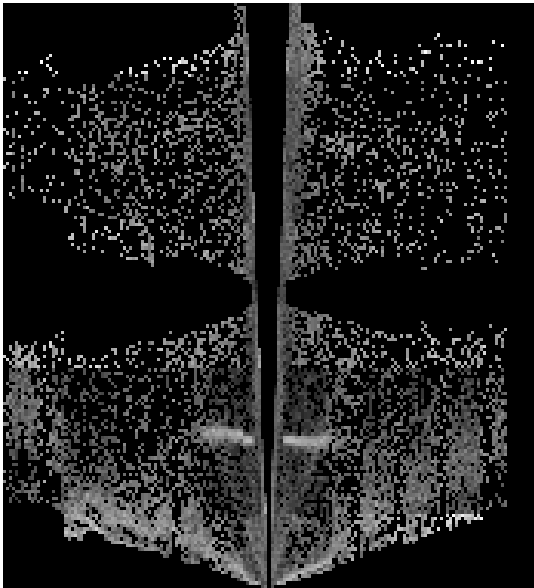
heg order +1



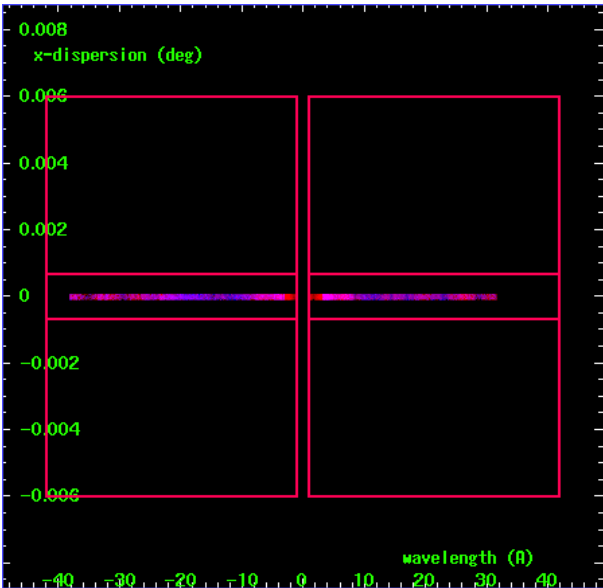
3.2 MEG Arm



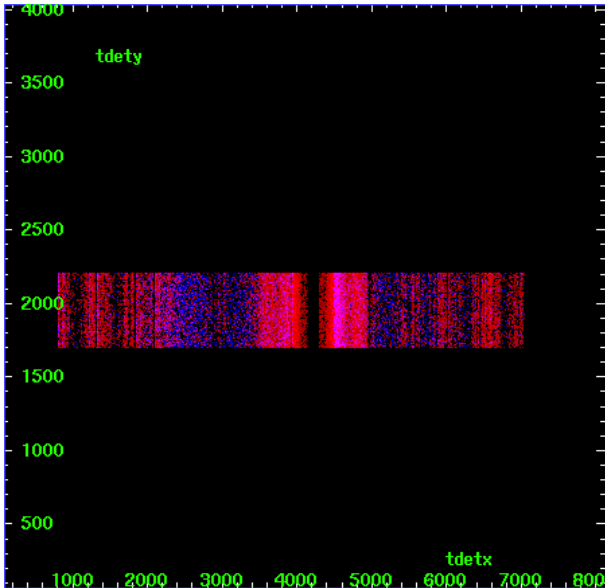
MEG Order Sort 123



MEG Order Sort ALL

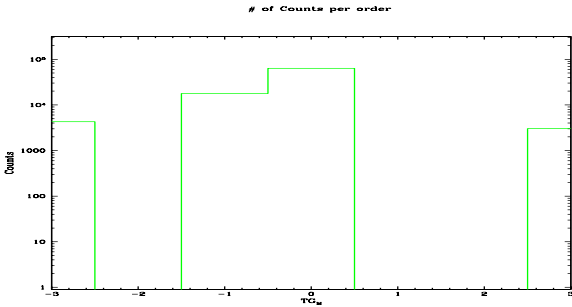


Spot Image MEG

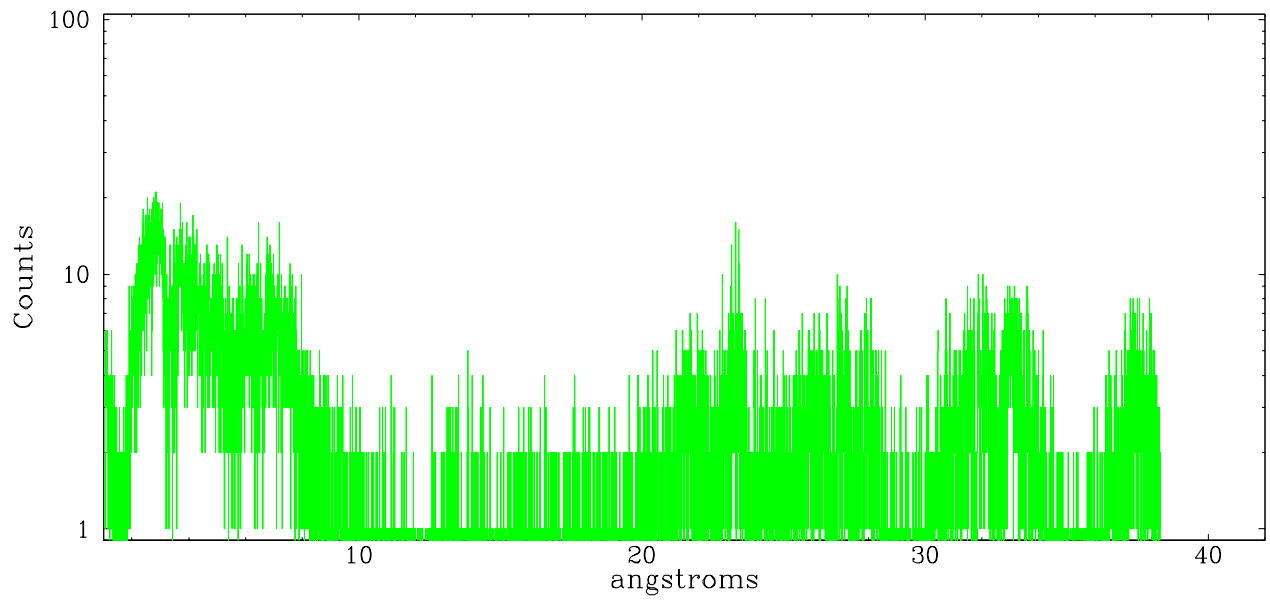


Full Detector MEG

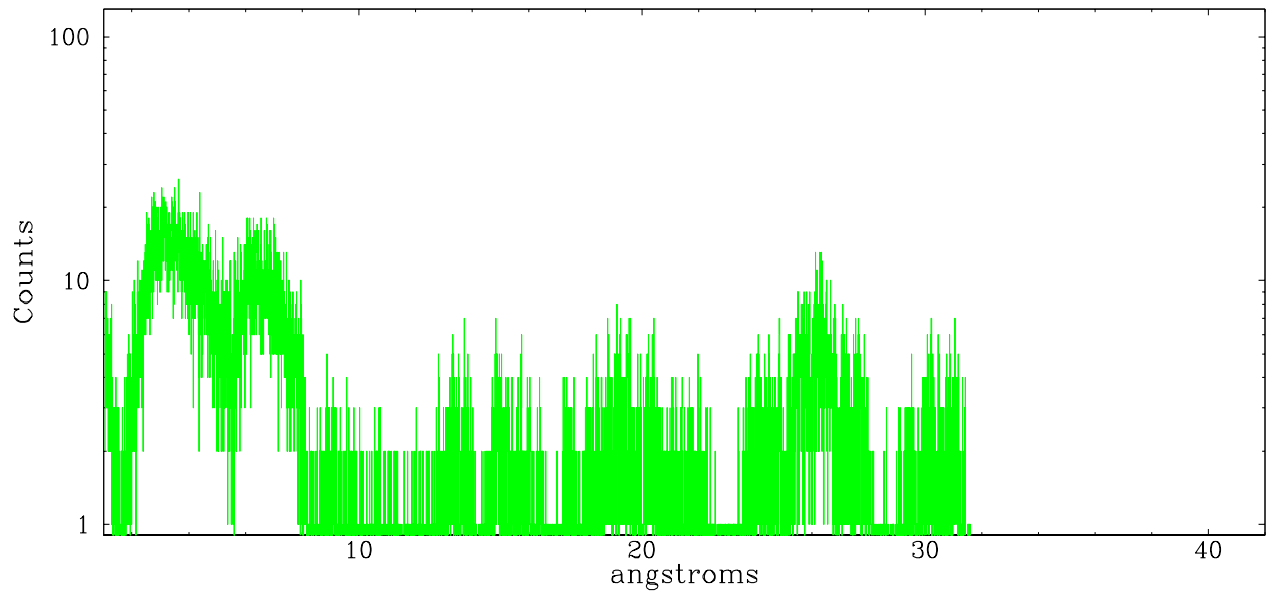
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	4266	0	17821	63274	18439	0	3034



meg order -1



meg order +1



## A Summary

### A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.161

### A.2 Comments