

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3777 - L2 Version 001  
Chandra X-Ray Center

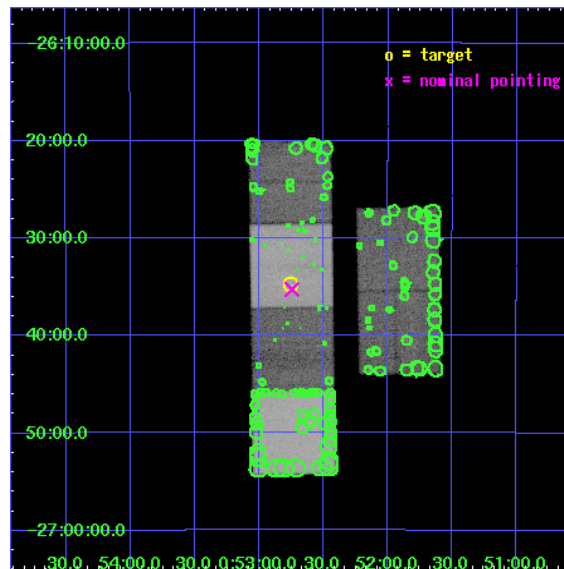
L2 Processing Date : Jul 20 2006

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# 1 Front

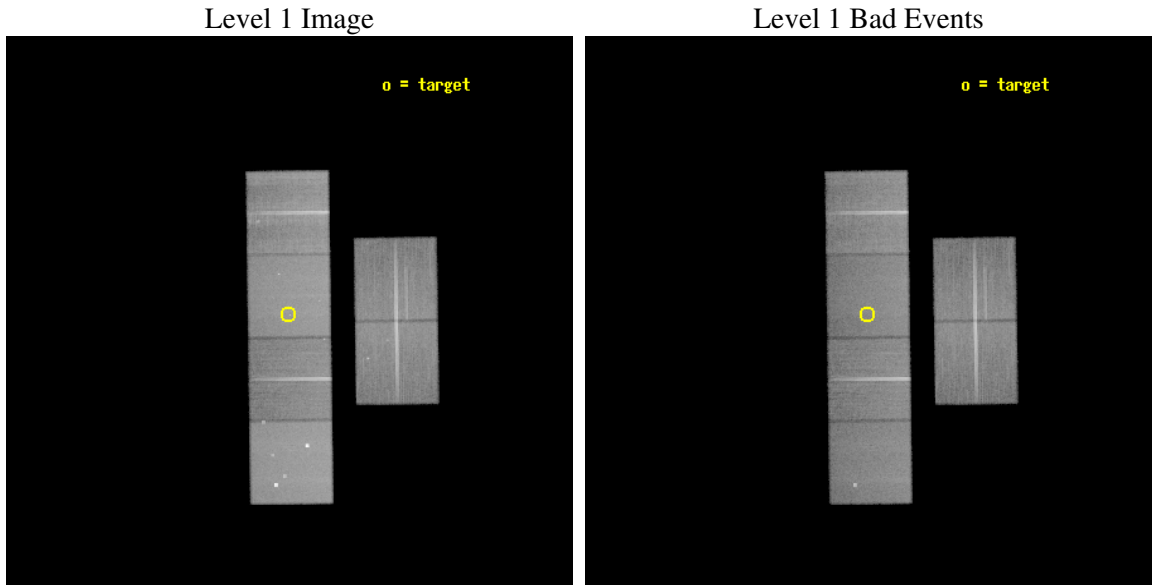
seq_num	300102
obs_id	3777
title	A UNIFORM STUDY OF GLOBULAR CLUSTER X-RAY SOURCES: THE KEY TO CLUSTER DYNAMICAL EVOLUTION
observer	Prof. Walter Lewin
object	NGC 288
dtcycle	0
cycle	P
ra_targ	13.18875
dec_targ	-26.578611
ra_nom	13.186706429622
dec_nom	-26.588089394887
roll_nom	269.19788376867
revision	2
ontime	55926.399791658
livetime	55218.226042661
ontime2	55923.158931047
ontime3	55923.158821374
ontime5	55926.399791658
ontime6	55926.399791658
ontime7	55926.399791658
ontime8	55926.399791658
l2events	564670



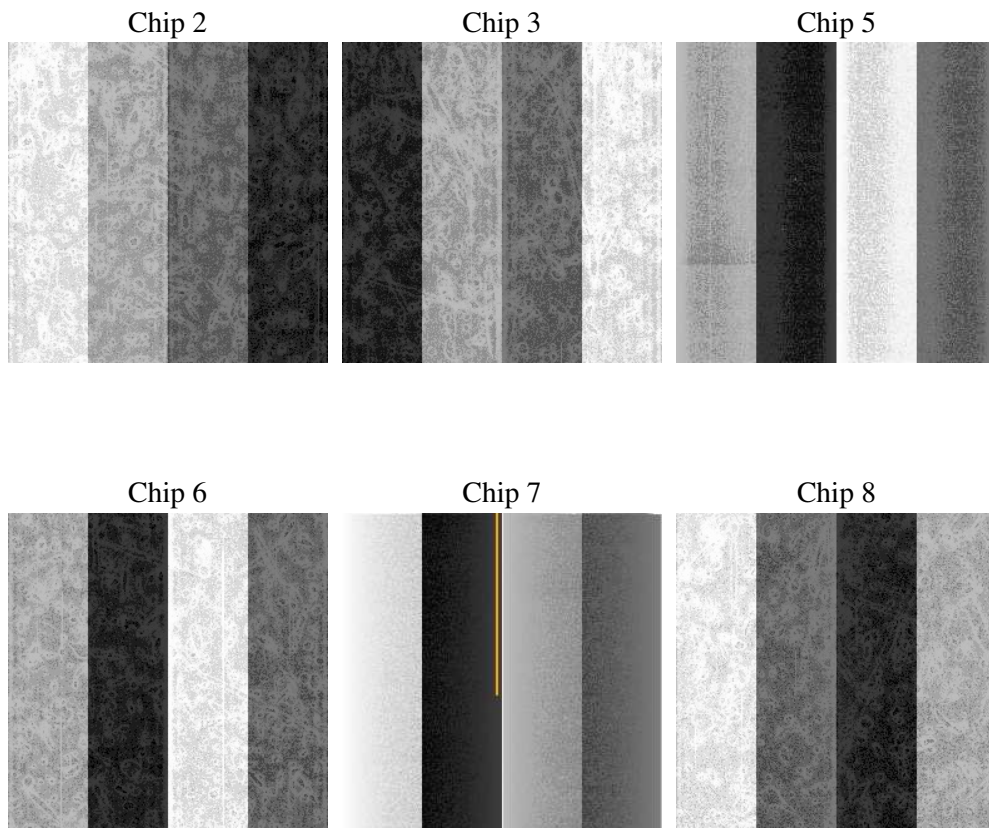
## 2 OBI

### 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	2006-07-20T23:18:40
revision	2

sched_exp_time	55764.772000
ontime	56053.086163521
ontime2	56049.845283002
ontime3	56049.845193237
ontime5	56053.086163521
ontime6	56053.086163521
ontime7	56053.086163521
ontime8	56056.327183634
l1events	2602257

### 2.1.4 Events

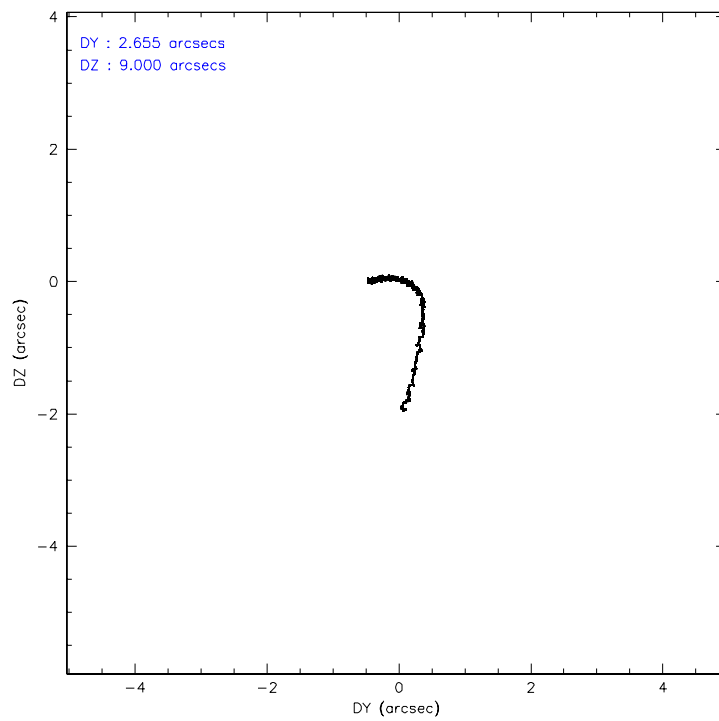
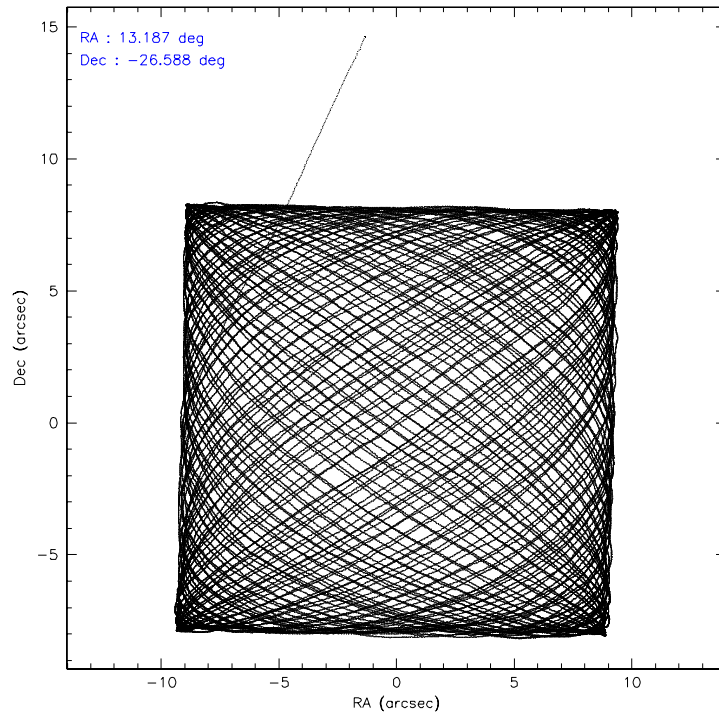
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	374243	361226	547369	367160	489726	462533
rejected events	330214	318882	300818	323979	300767	366762
rejected %	88%	88%	54%	88%	61%	79%

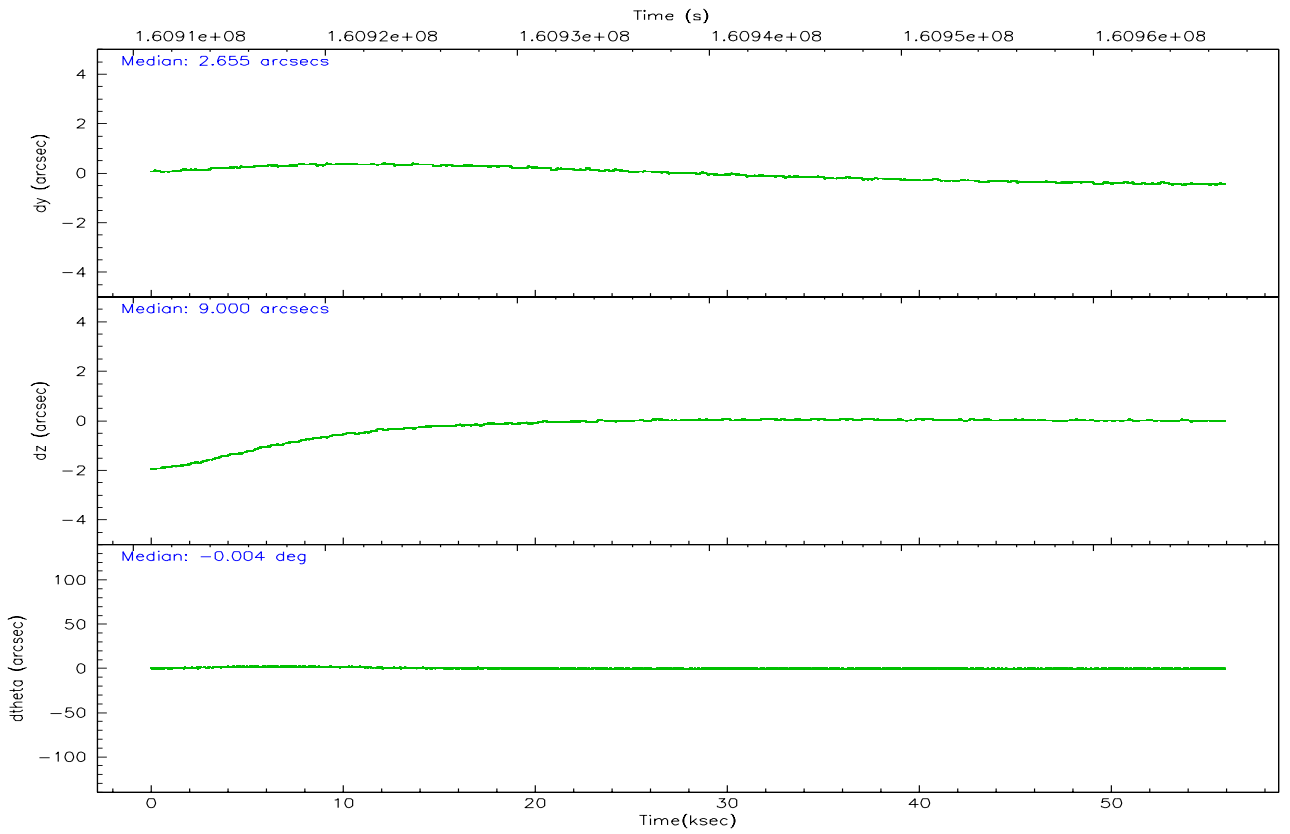
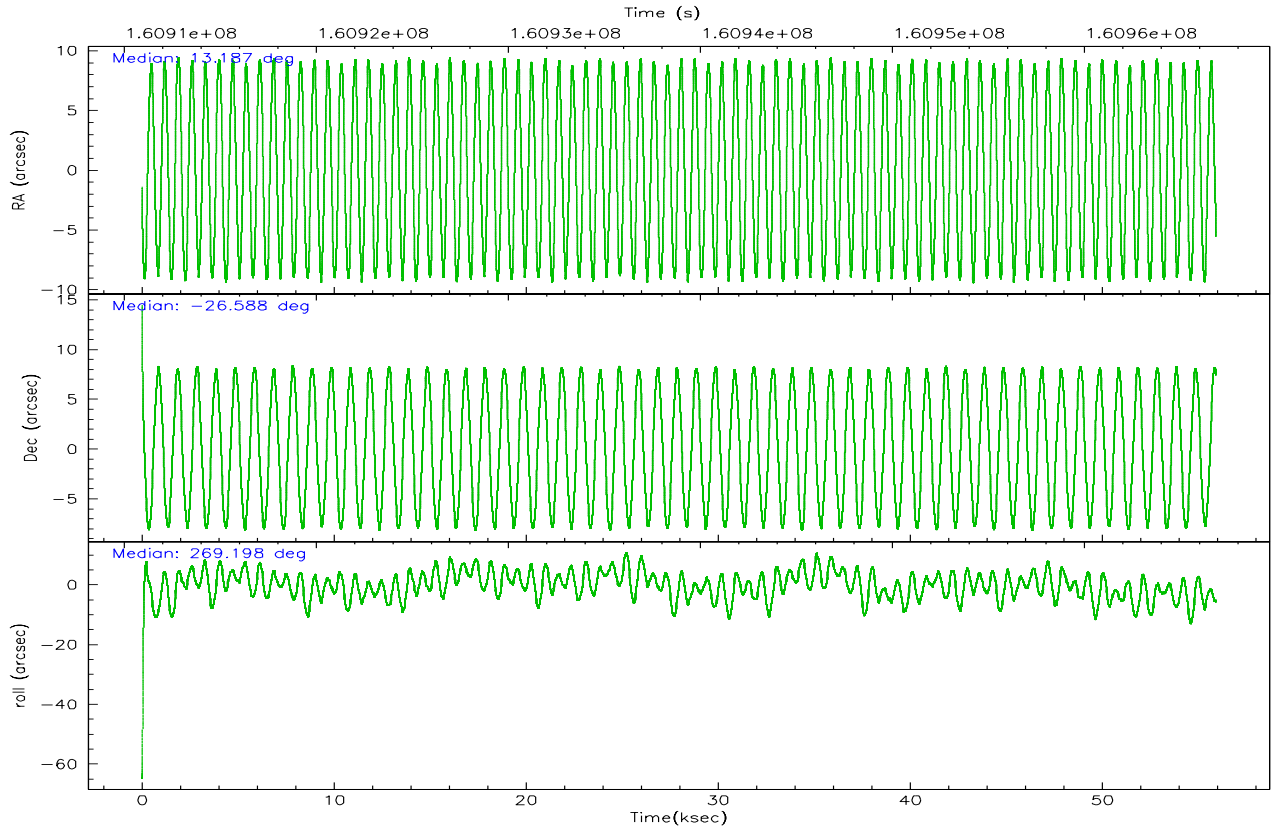
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	20301	18735	22309	17617	11803	31139
	5%	5%	4%	4%	2%	6%
grade 1 events	223	203	435	171	305	299
	0%	0%	0%	0%	0%	0%
grade 2 events	8589	7965	78424	8723	46184	20356
	2%	2%	14%	2%	9%	4%
grade 3 events	4055	4204	5378	4241	9470	10139
	1%	1%	0%	1%	1%	2%
grade 4 events	4136	4119	5134	4090	9406	9609
	1%	1%	0%	1%	1%	2%
grade 5 events	13948	15112	25400	16195	31799	21002
	3%	4%	4%	4%	6%	4%
grade 6 events	7043	7418	135847	8613	112488	24701
	1%	2%	24%	2%	22%	5%
grade 7 events	315948	303470	274442	307510	268271	345288
	84%	84%	50%	83%	54%	74%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	13.171490	13.18670642962181	Alternating exposures requested	N	N
Pointing Dec	-26.564521	-26.58808939488654	Primary exposure time	0.000000	3.2
Pointing Roll	269.034462	269.1978837686671			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	160911077.184000	160909953.29893			
Observation start date	2003-02-06T09:30:13	2003-02-06T09:12:33			
Observation end time	160966842.184000	160968649.92639			
Observation end date	2003-02-07T00:59:38	2003-02-07T01:30:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect



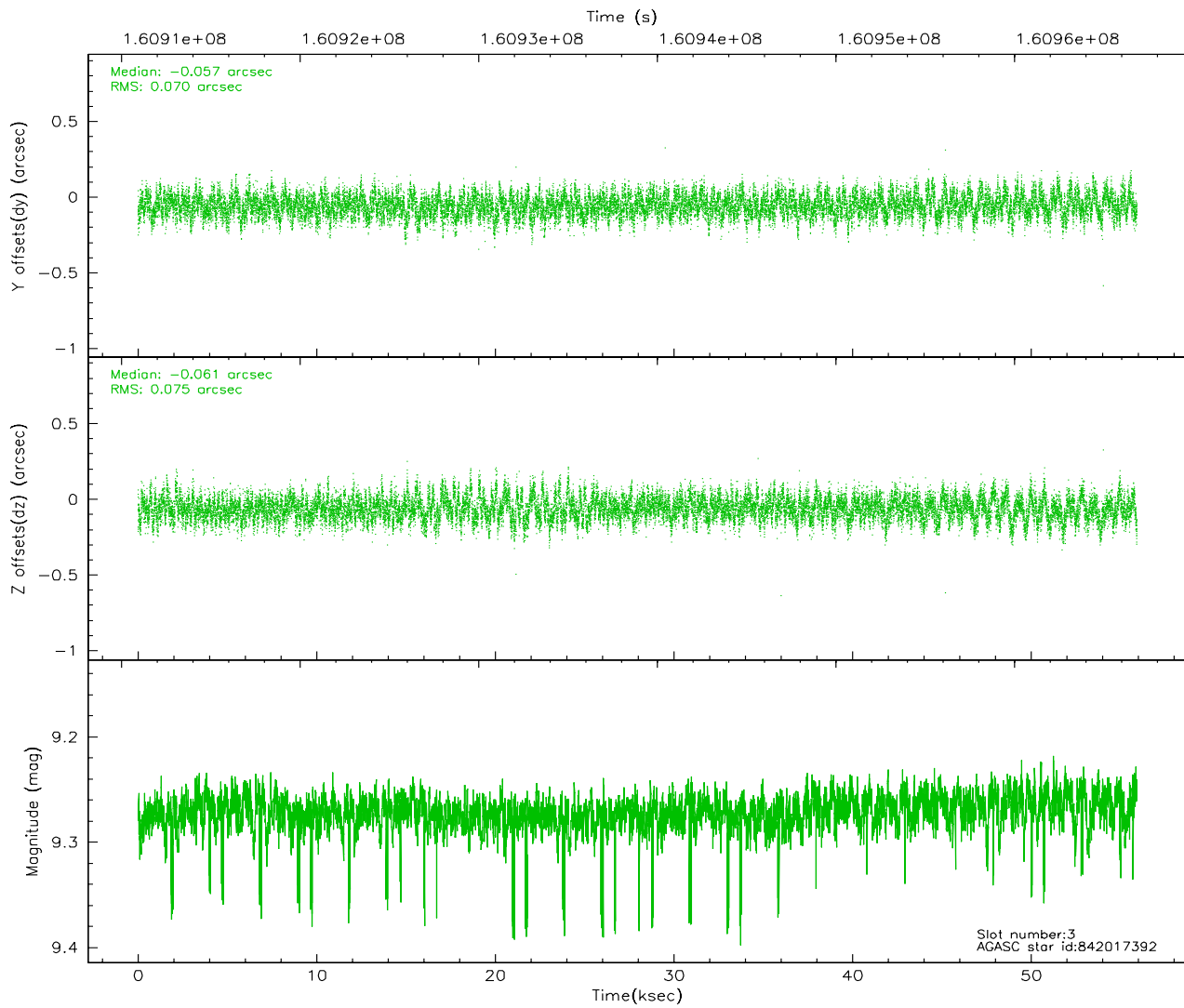
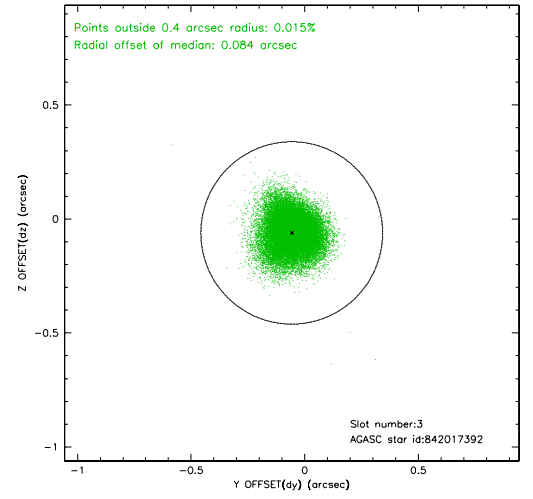
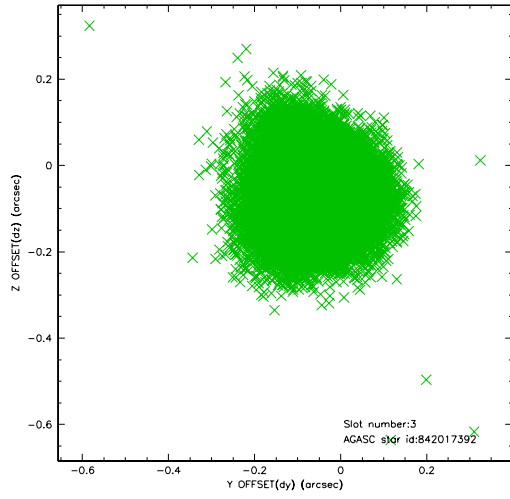


### Slot Statistics

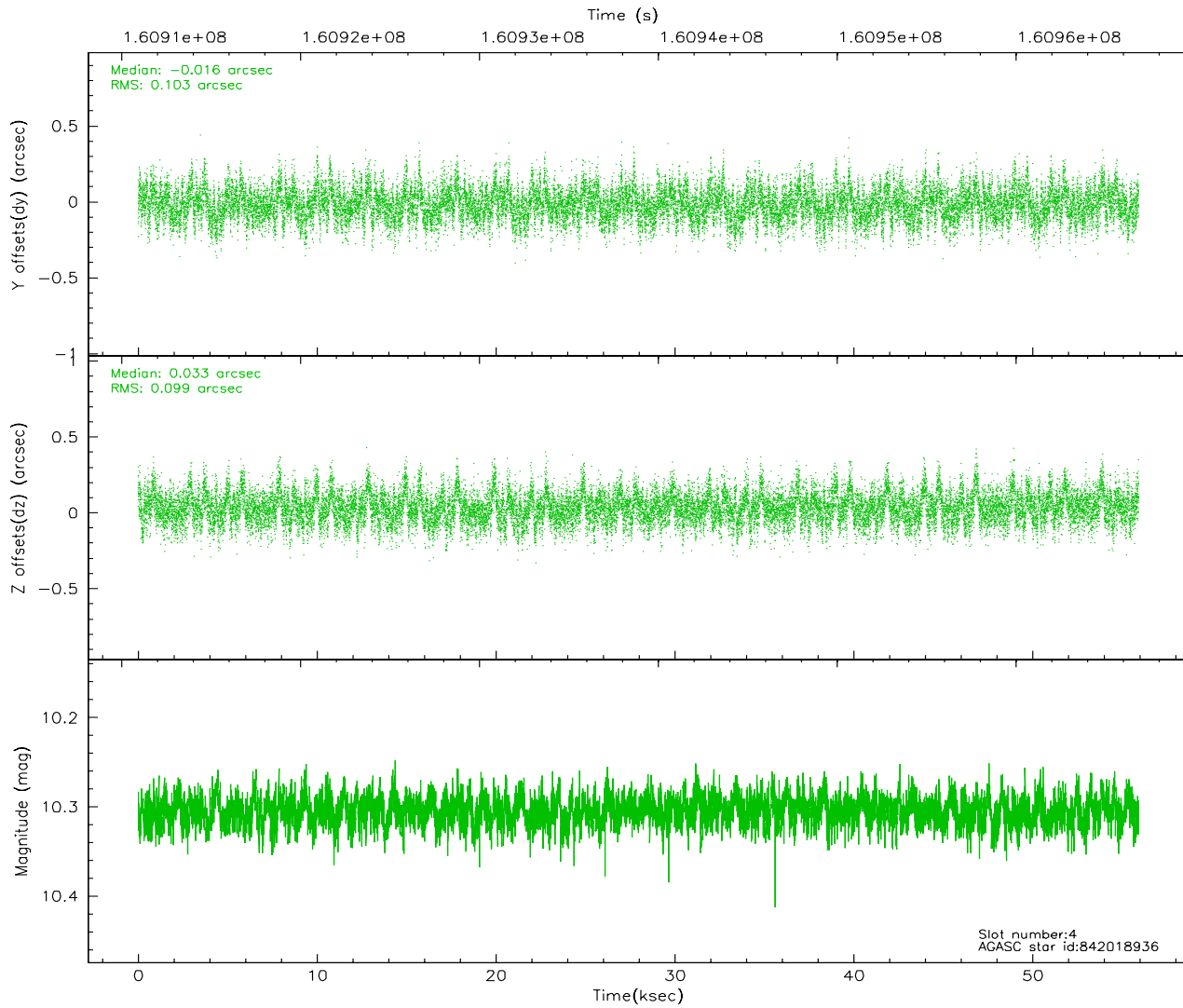
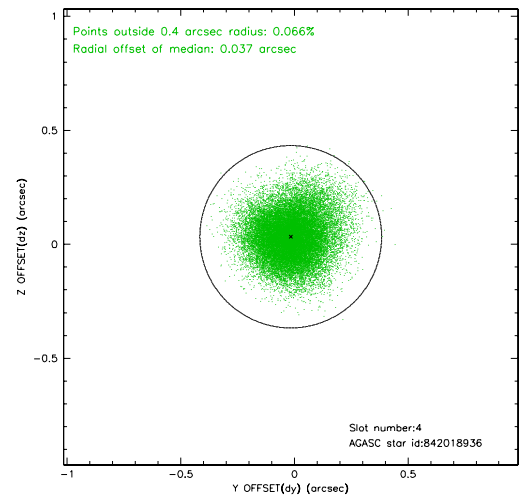
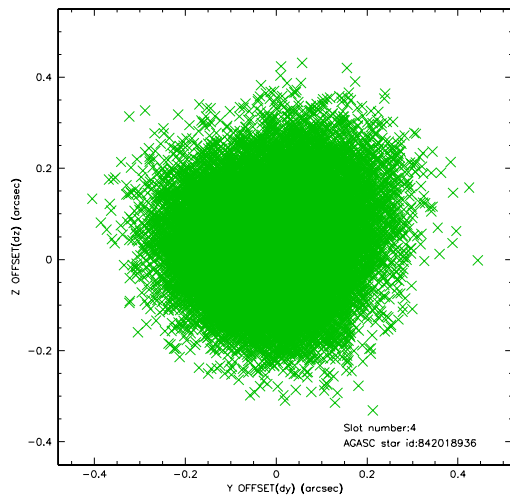
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	13642	-0.017	0.012	0.014	0.022	0.000000	0.000000	-755.27	-1729.90
1	FID	ACIS-S-4	7.20	13643	-0.045	0.005	0.013	0.020	0.000000	0.000000	2157.98	178.63
2	FID	ACIS-S-5	7.24	13643	0.031	-0.008	0.014	0.022	0.000000	0.000000	-1808.12	172.22
3	GUIDE	842017392	9.27	27167	-0.057	-0.061	0.110	0.176	13.825957	-26.597403	88.12	2108.60
4	GUIDE	842018936	10.30	27248	-0.016	0.033	0.151	0.248	13.498509	-26.764641	704.10	1063.04
5	GUIDE	842021832	10.01	27261	0.052	-0.056	0.131	0.216	12.956546	-26.512752	-174.00	-695.46
6	GUIDE	842022168	9.36	27269	0.066	-0.052	0.090	0.144	13.418733	-26.453860	-410.94	790.45
7	GUIDE	841751312	8.91	27274	-0.050	0.132	0.112	0.178	13.927257	-25.981266	-2133.69	2410.58

## 2.4 Star Slots

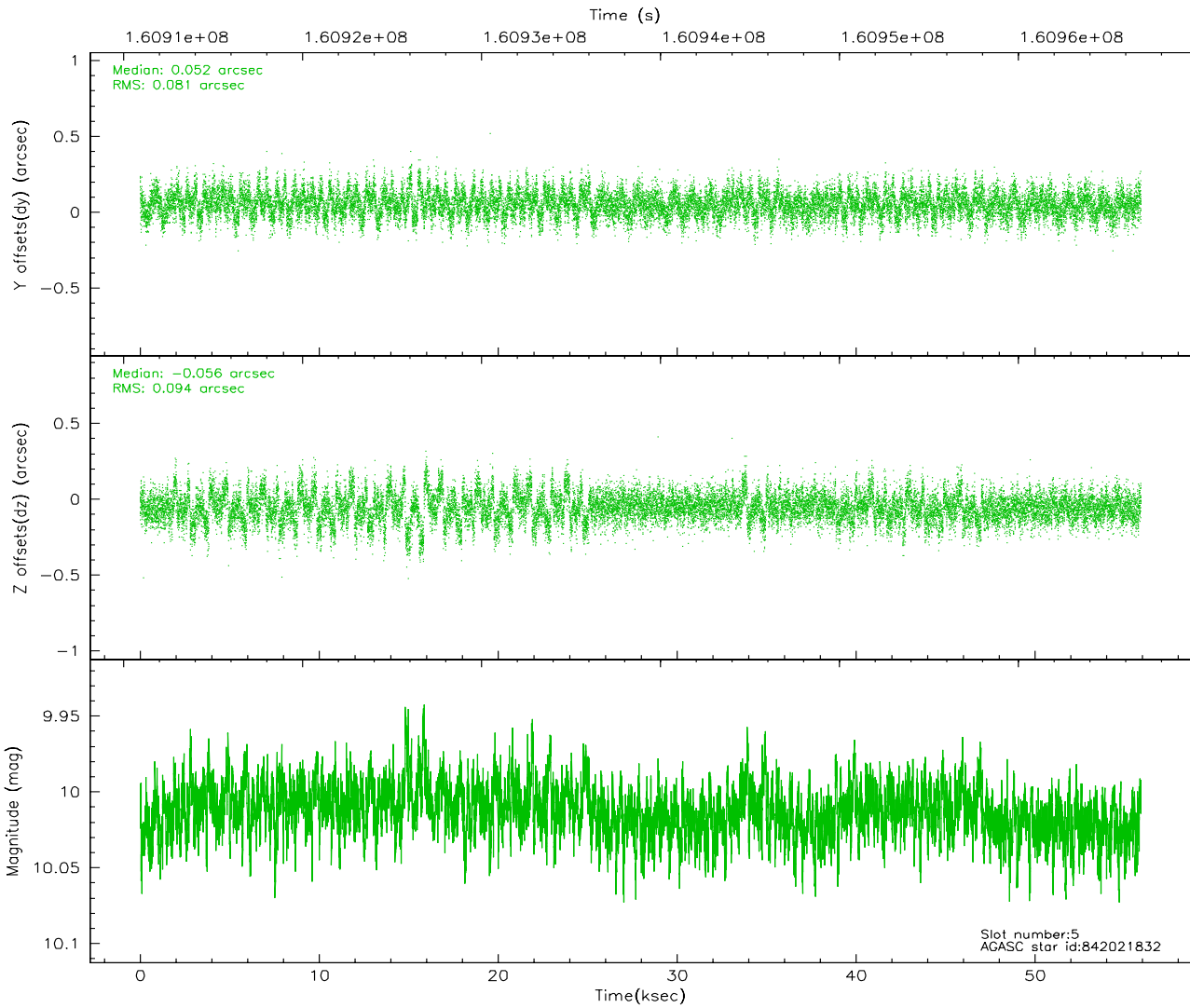
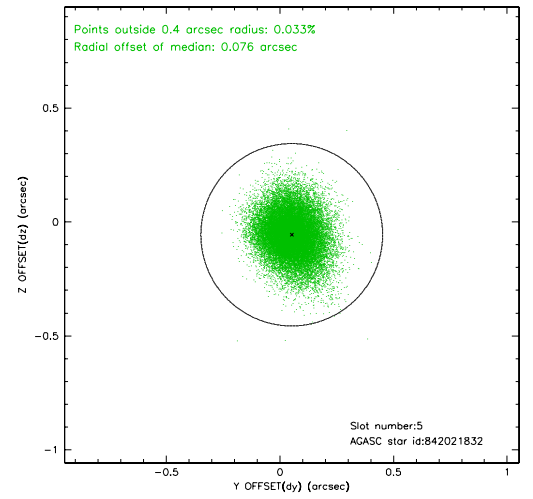
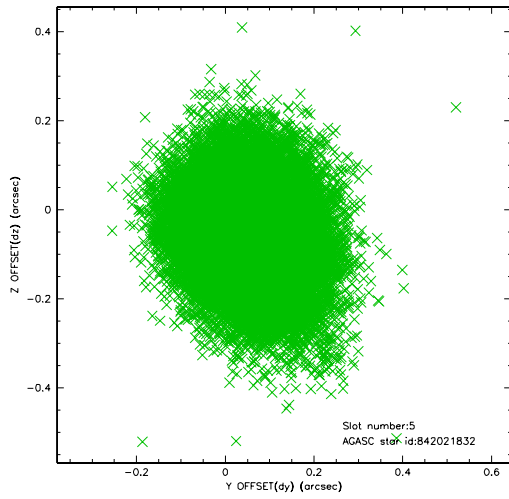
### 2.4.1 Slot 3



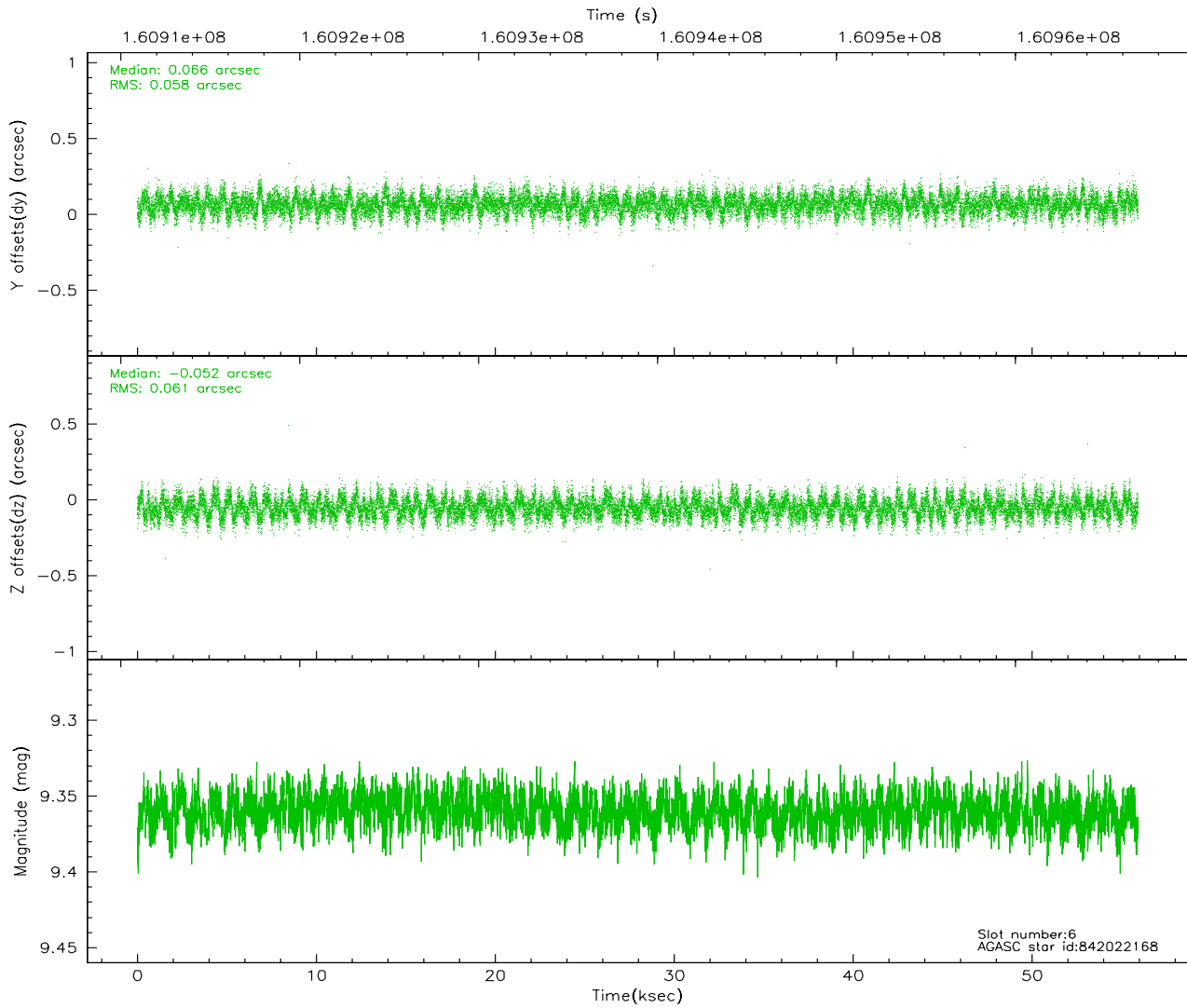
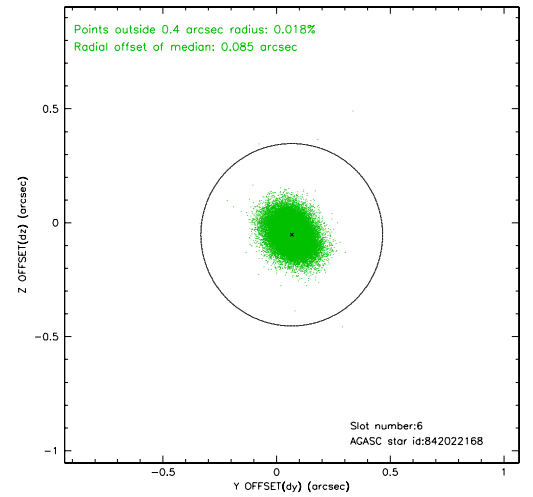
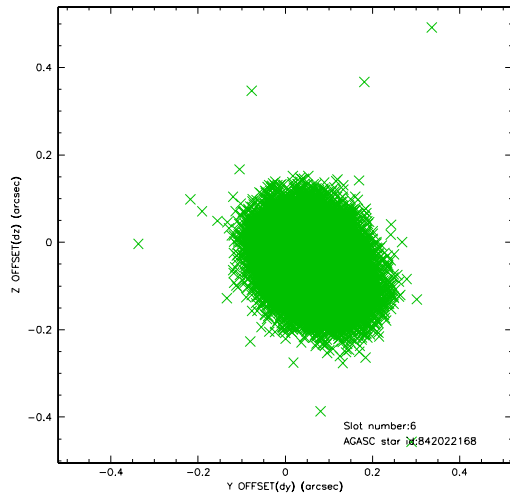
## 2.4.2 Slot 4



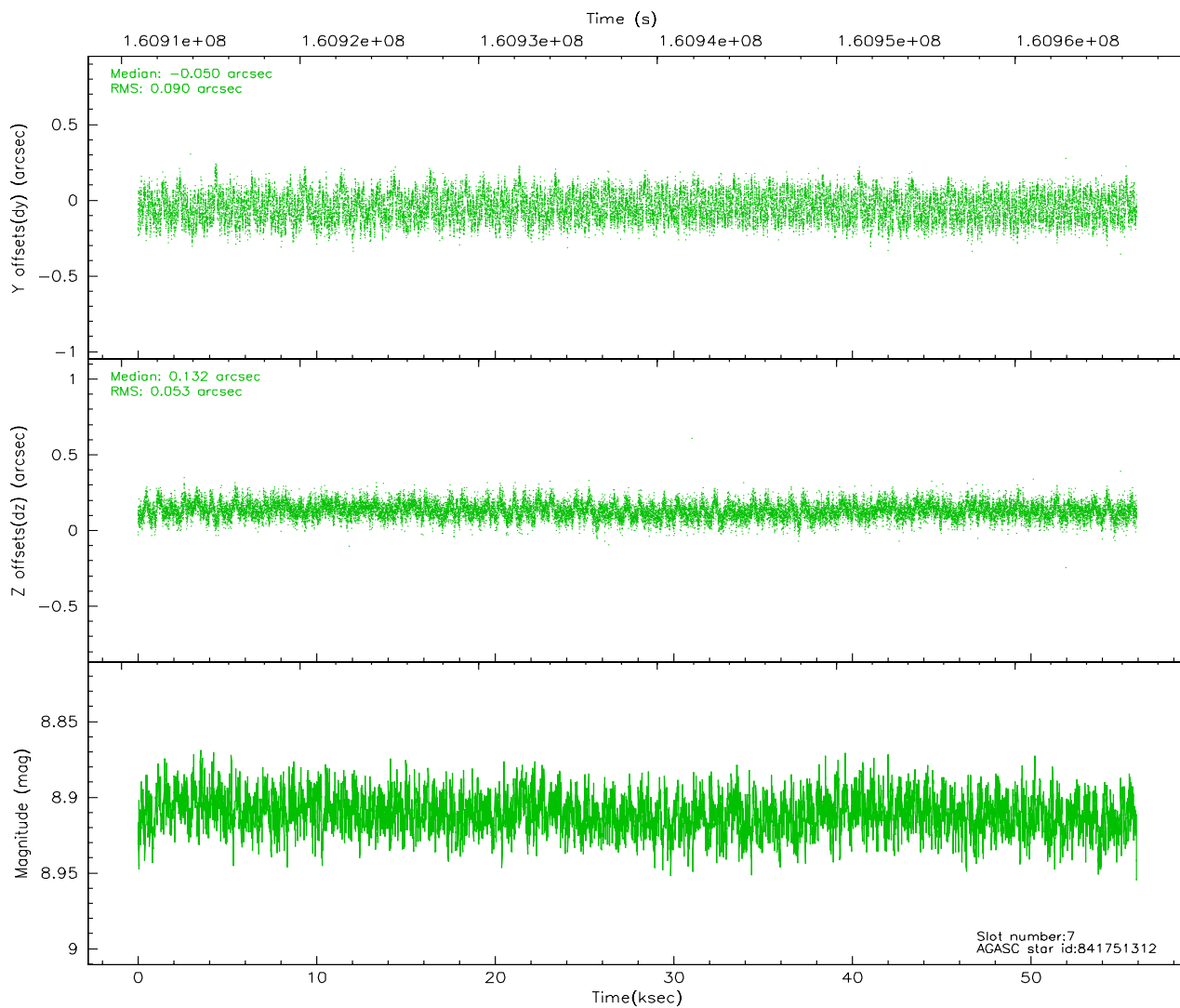
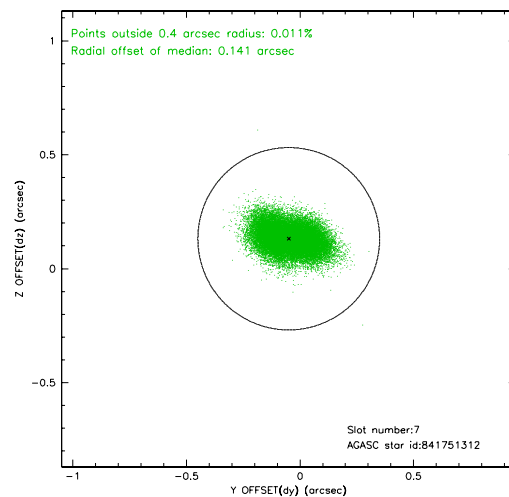
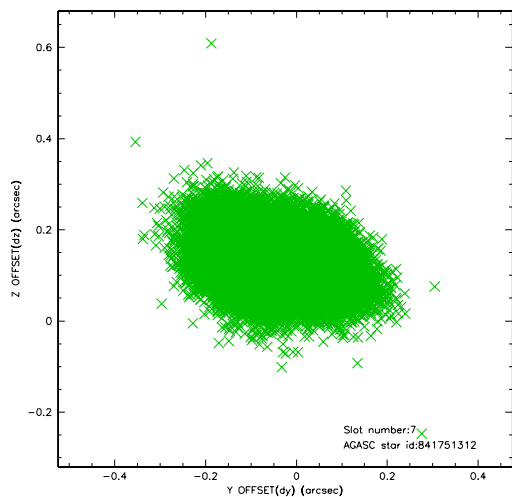
### 2.4.3 Slot 5



### 2.4.4 Slot 6

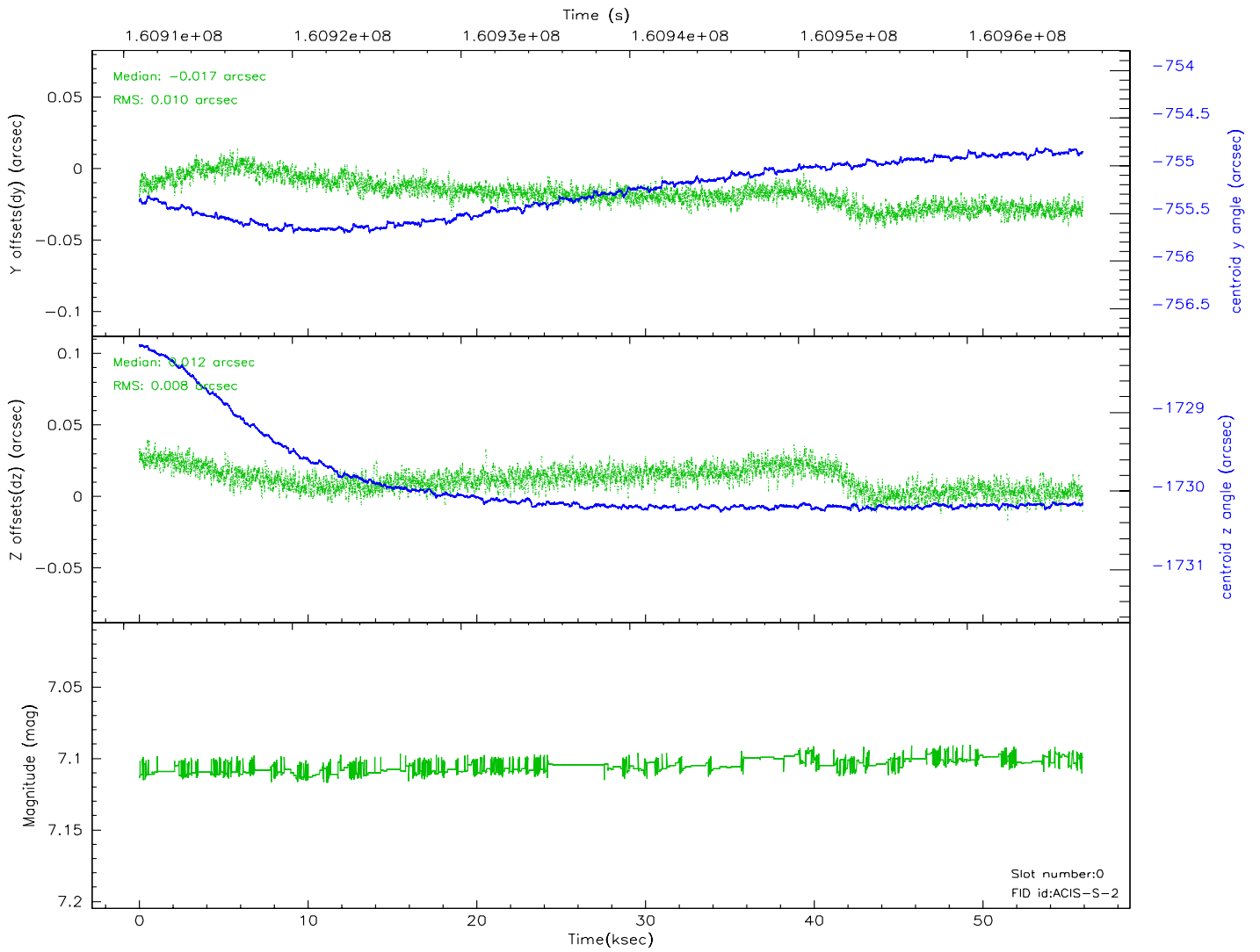
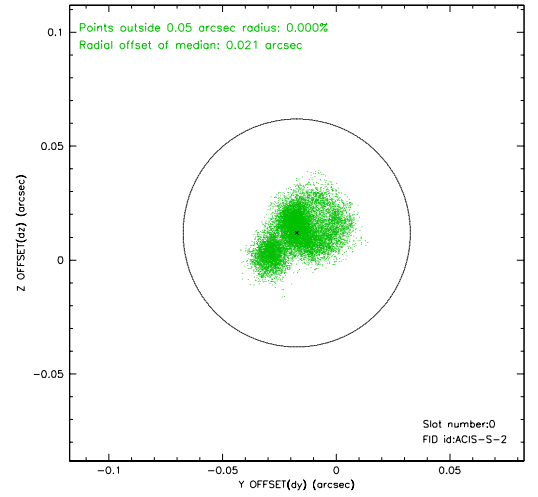
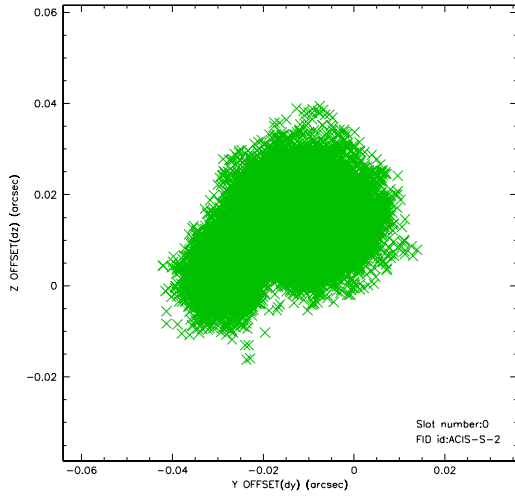


## 2.4.5 Slot 7

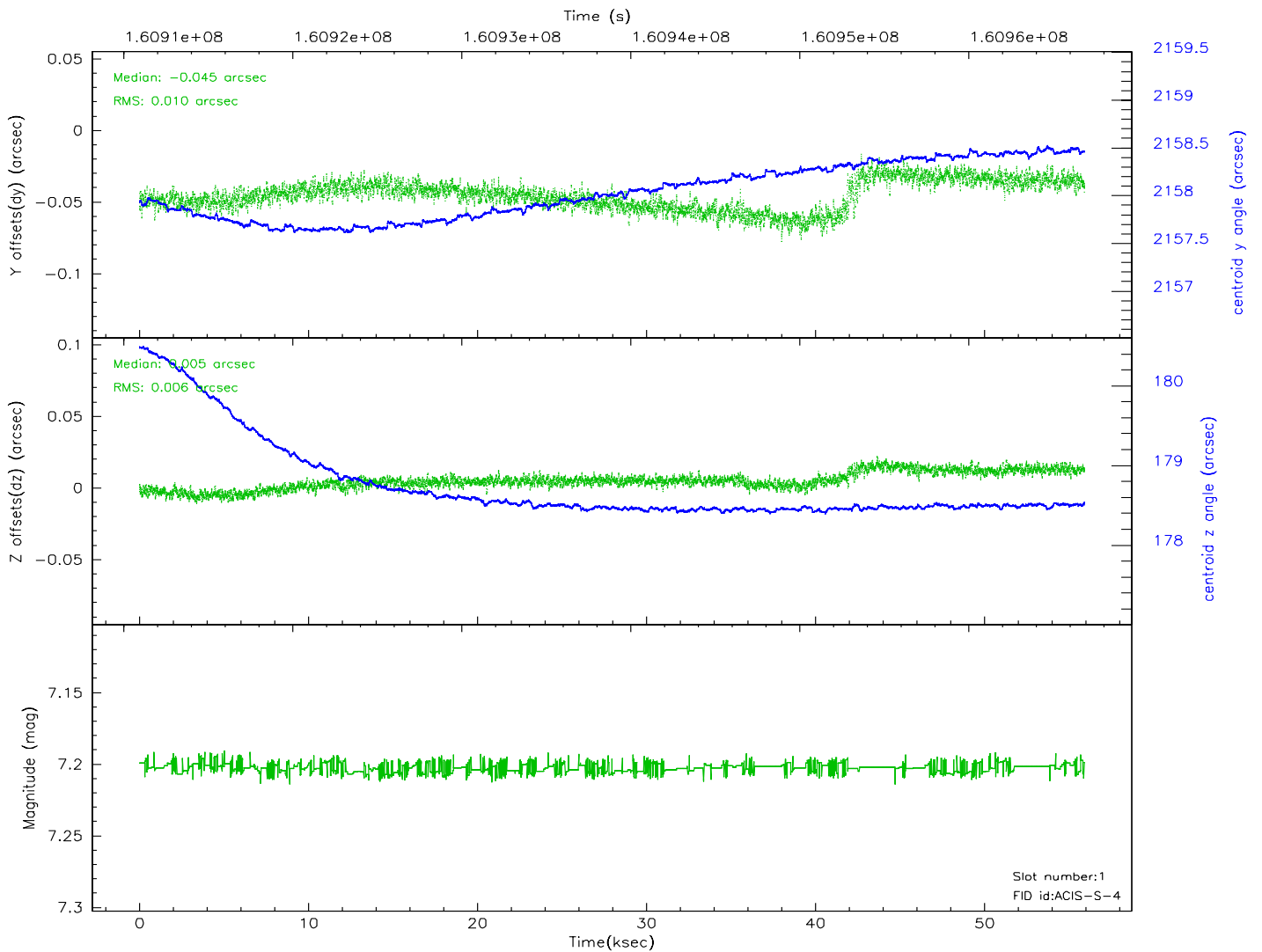
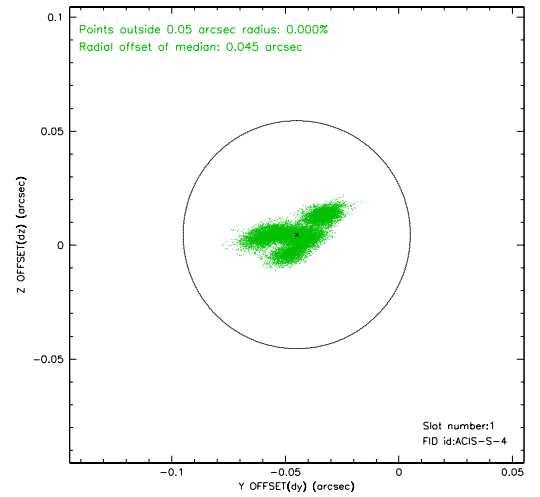
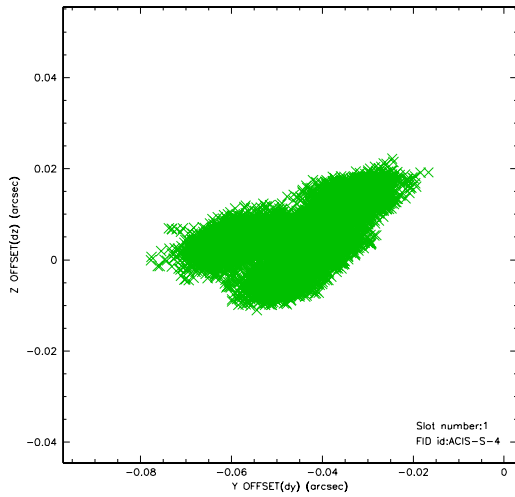


## 2.5 FID Slots

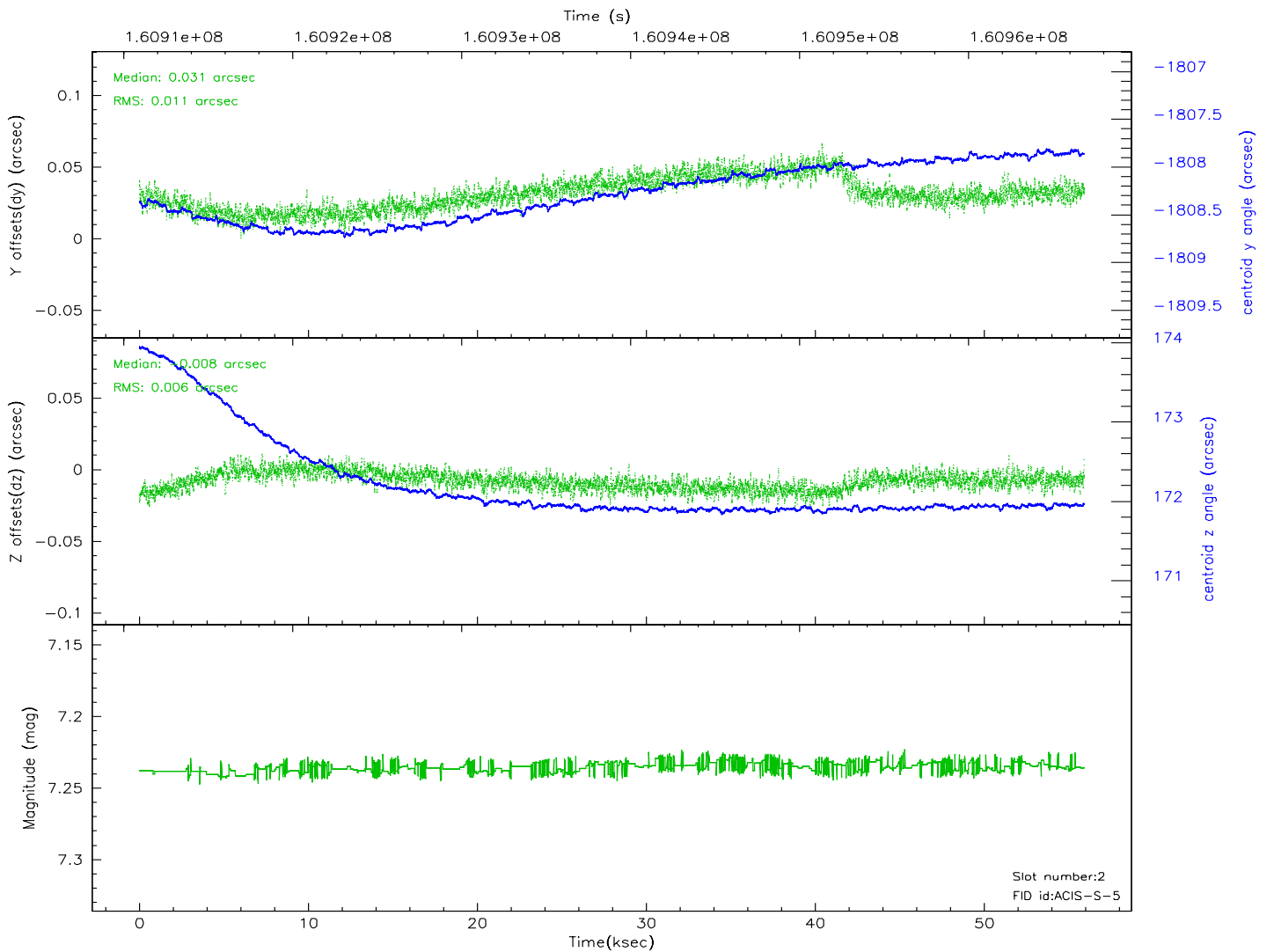
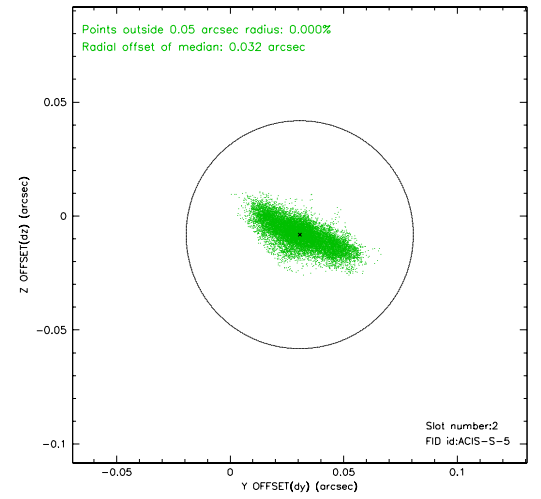
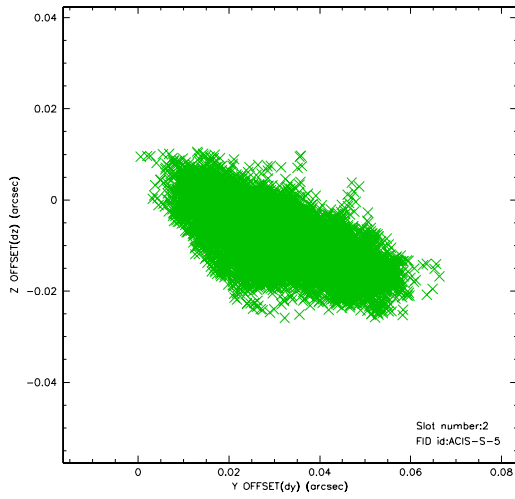
### 2.5.1 Slot 0



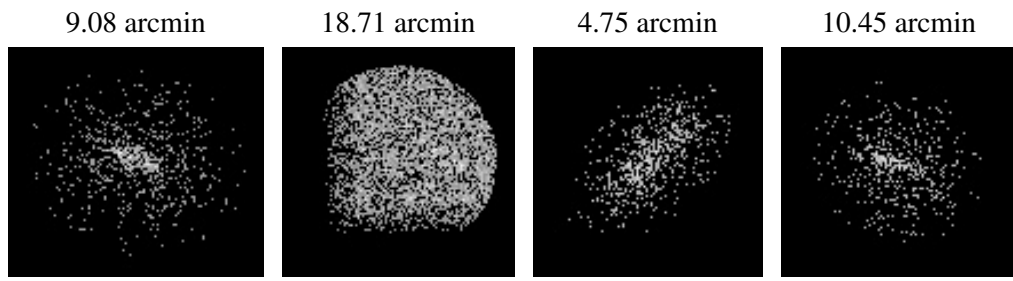
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.926

## A.2 Comments