

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5025 - L2 Version 001  
Chandra X-Ray Center

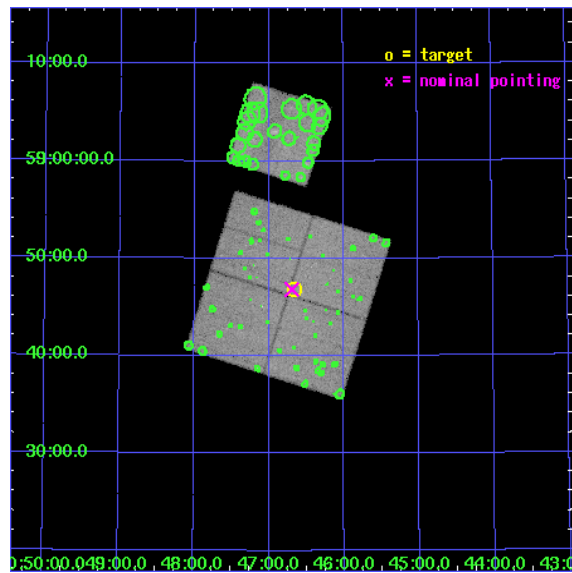
L2 Processing Date : Apr 17 2006

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# 1 Front

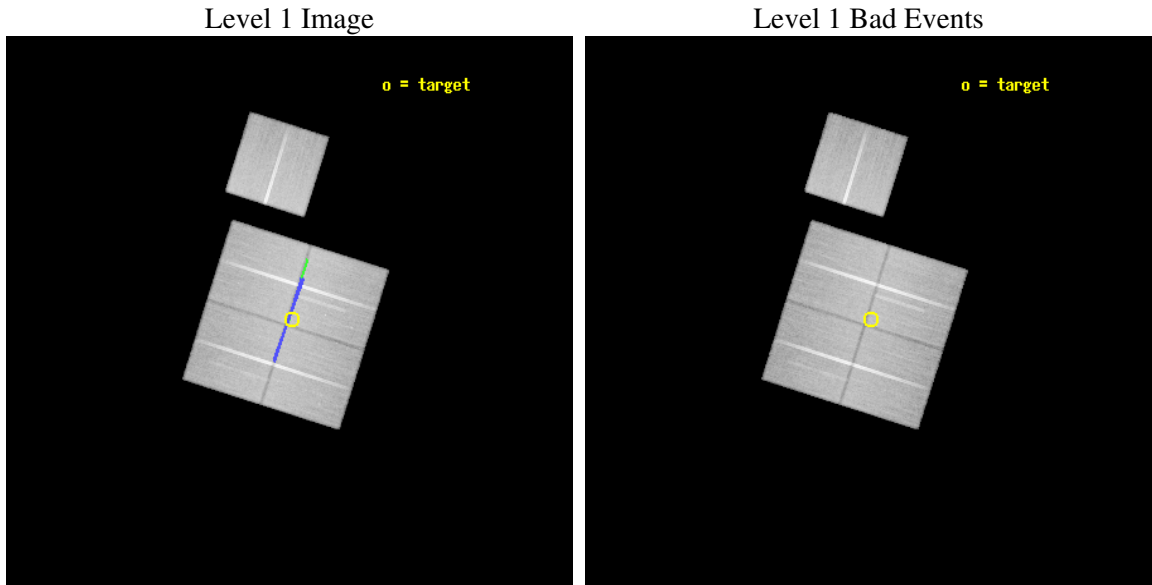
seq_num	900332
obs_id	5025
title	The Balance of Power between Starbursts and AGN: a Chandra/SIRTf Survey.
observer	Dr. BELINDA WILKES
object	SWIRE LOCKMAN 2
dtcycle	0
cycle	P
ra_targ	161.664333
dec_targ	58.7809
ra_nom	161.67320583783
dec_nom	58.780462300799
roll_nom	17.601099856858
revision	2
ontime	70174.617934585
livetime	69257.734889467
ontime0	70168.335974097
ontime1	70143.208391517
ontime2	70158.913033485
ontime3	70174.617934585
ontime6	70177.758874893
l2events	267836



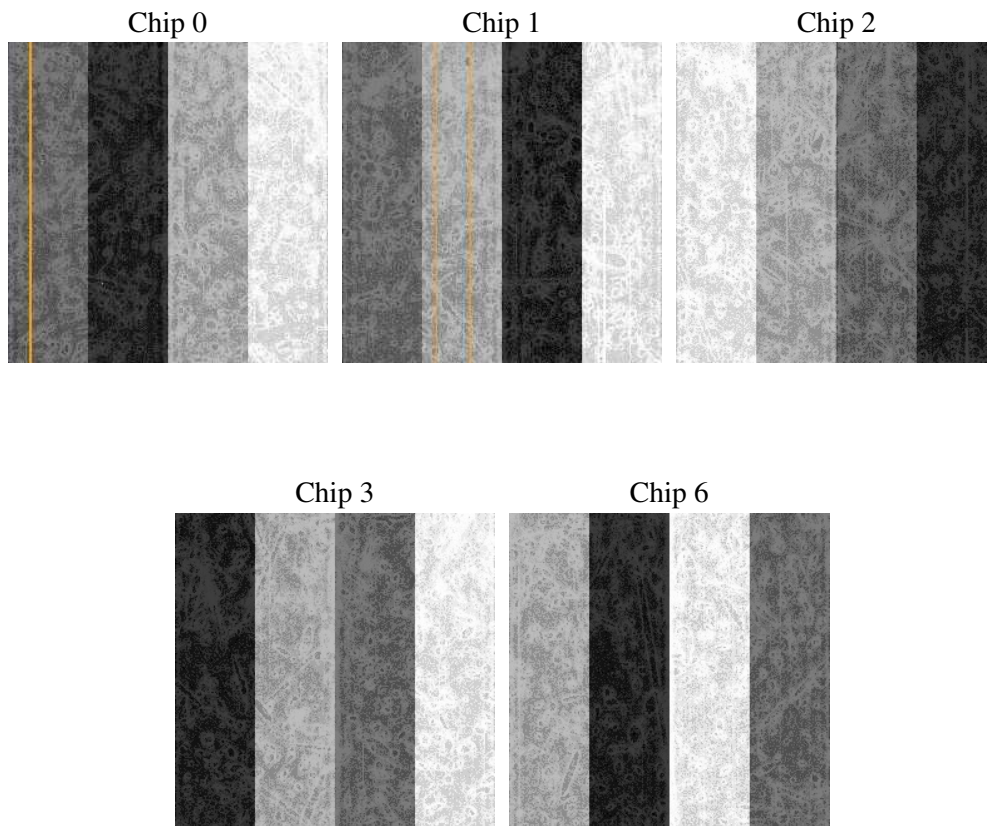
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-17T18:17:49
revision	2

sched_exp_time	70000.000000
ontime	70377.287033409
ontime0	70374.146043152
ontime1	70349.018460572
ontime2	70364.72310254
ontime3	70377.287033409
ontime6	70383.568943948
l1events	2460514

### 2.1.4 Events

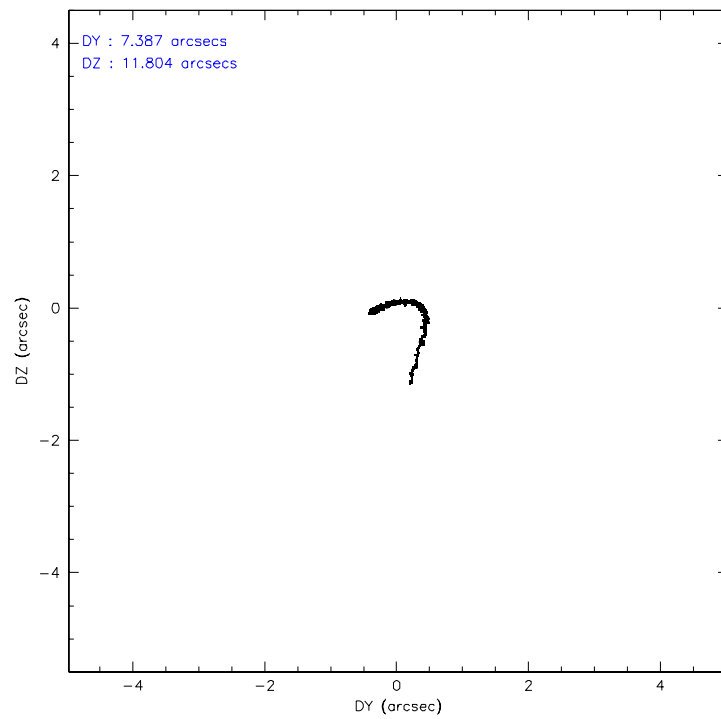
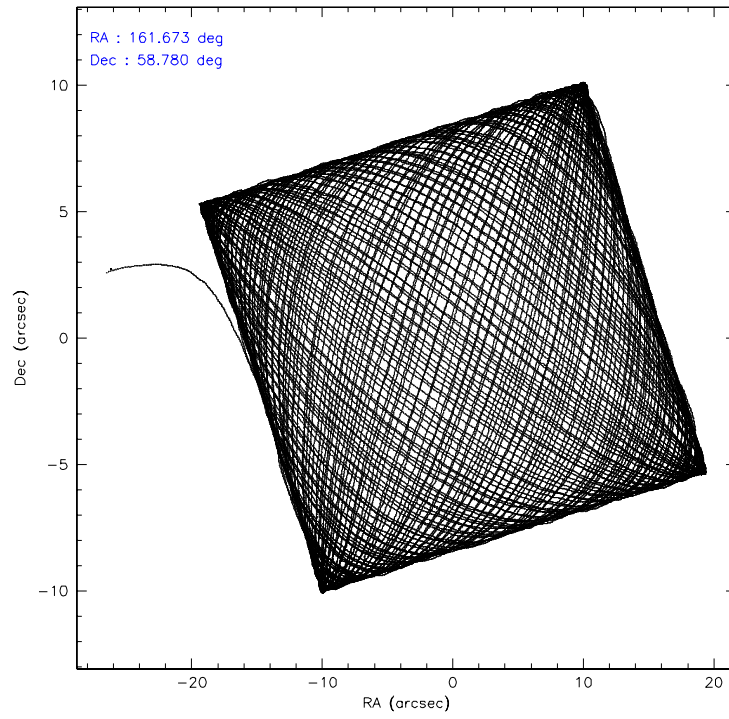
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	462994	471652	510947	508563	506358
rejected events	400754	406924	448834	448275	444644
rejected %	86%	86%	87%	88%	87%

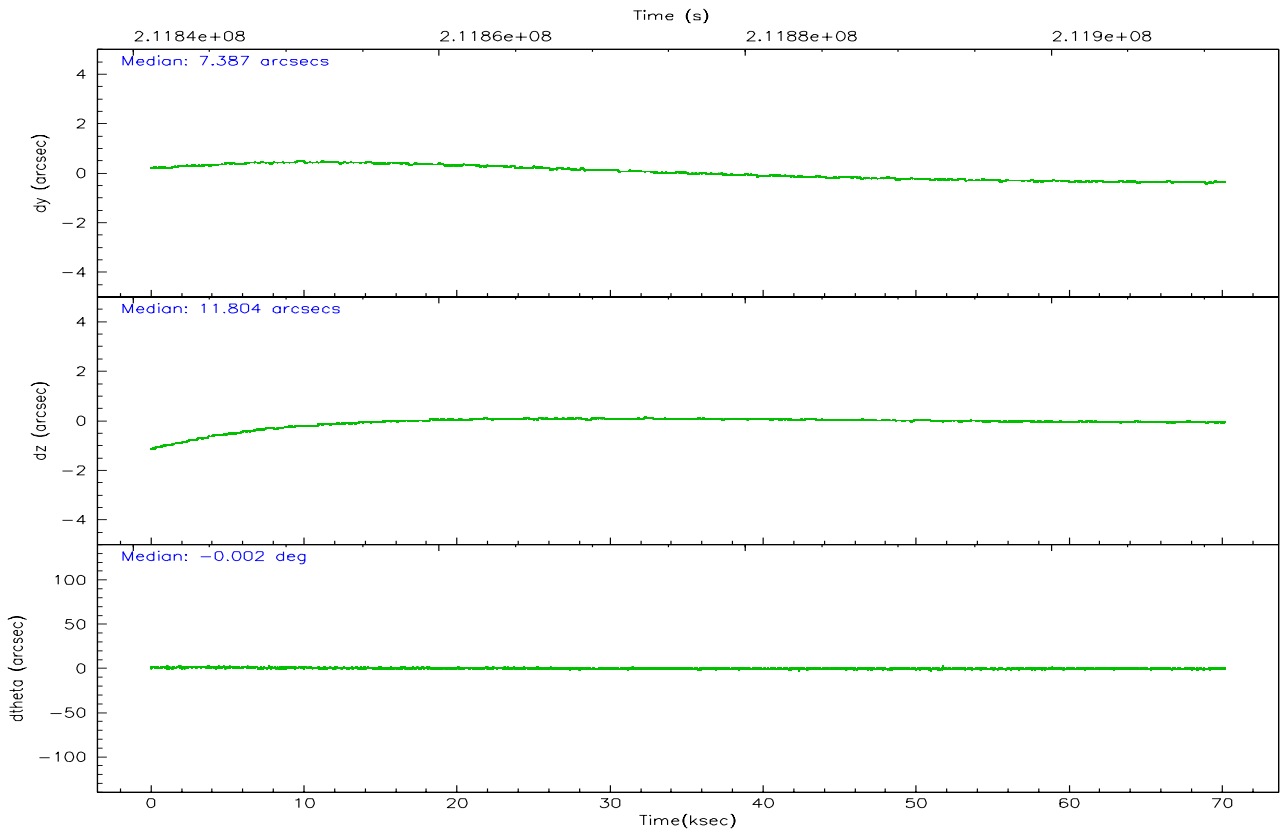
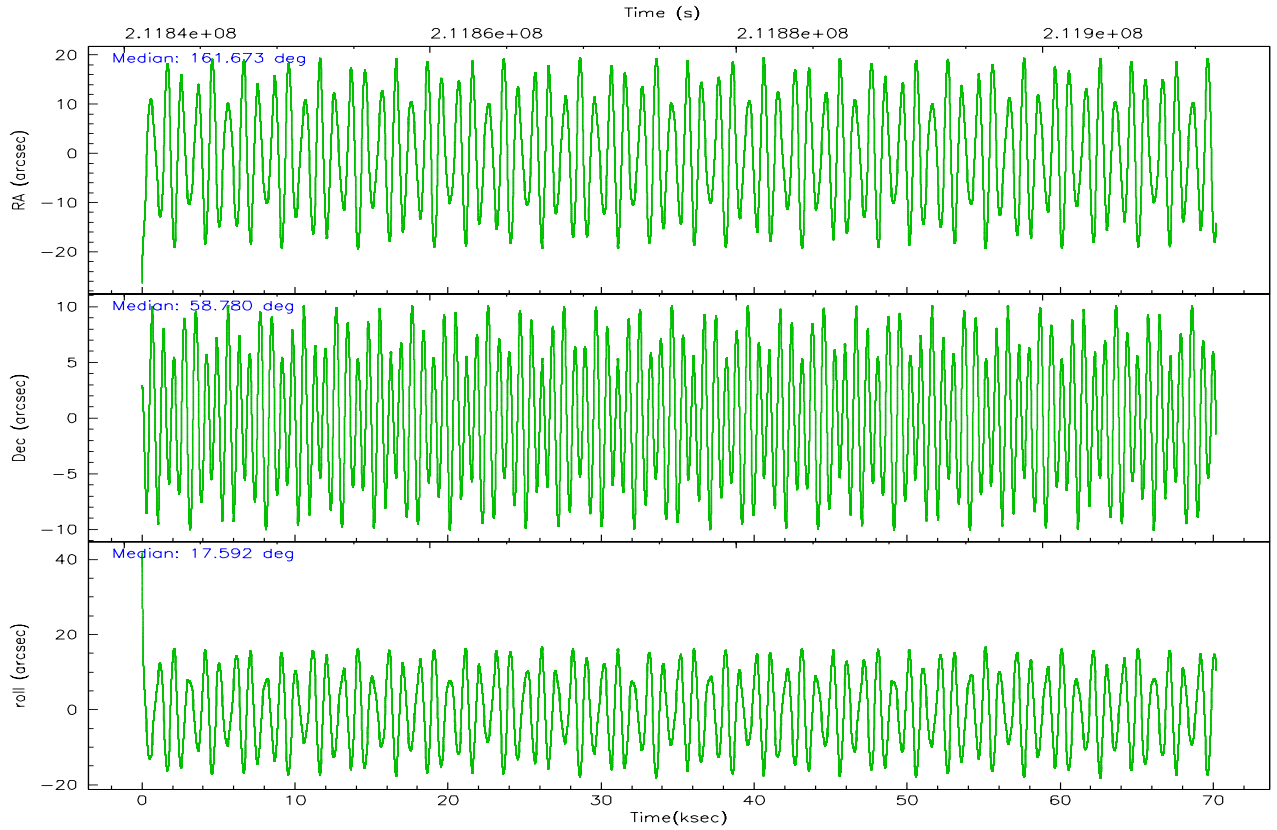
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	25768	25083	27644	25732	24552
	5%	5%	5%	5%	4%
grade 1 events	281	256	334	329	250
	0%	0%	0%	0%	0%
grade 2 events	13952	14588	13105	12239	13388
	3%	3%	2%	2%	2%
grade 3 events	6056	6130	5634	5698	5861
	1%	1%	1%	1%	1%
grade 4 events	5535	6138	5780	5769	5777
	1%	1%	1%	1%	1%
grade 5 events	20606	21384	19771	22654	22799
	4%	4%	3%	4%	4%
grade 6 events	11127	12954	10163	11030	12314
	2%	2%	1%	2%	2%
grade 7 events	379669	385119	428516	425112	421417
	82%	81%	83%	83%	83%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	161.637789	161.6732058378275	Alternating exposures requested	N	N
Pointing Dec	58.760165	58.78046230079929	Primary exposure time	0.000000	3.1
Pointing Roll	17.422691	17.60109985685754			
Roll angle	19.200000	19.200000			
Roll tolerance	1.800000	1.800000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	211841362.184000	211840267.74201			
Observation start date	2004-09-17T20:48:18	2004-09-17T20:31:07			
Observation end time	211911362.184000	211911496.0202			
Observation end date	2004-09-18T16:14:58	2004-09-18T16:18:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect



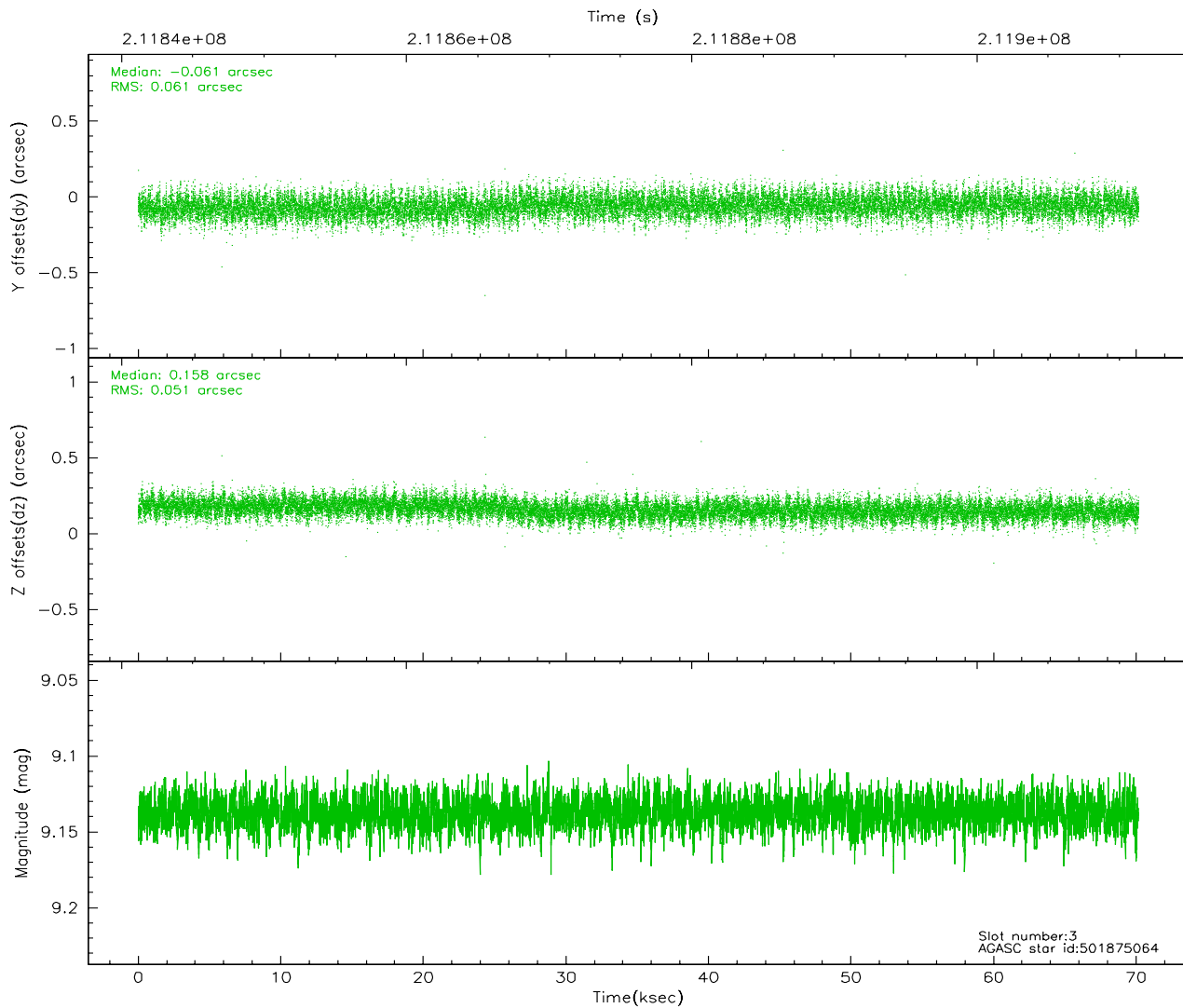
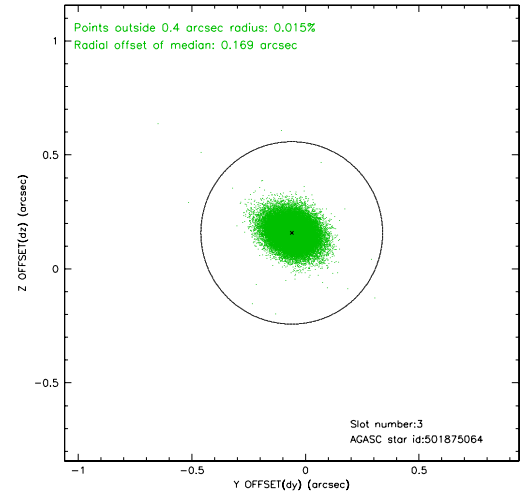
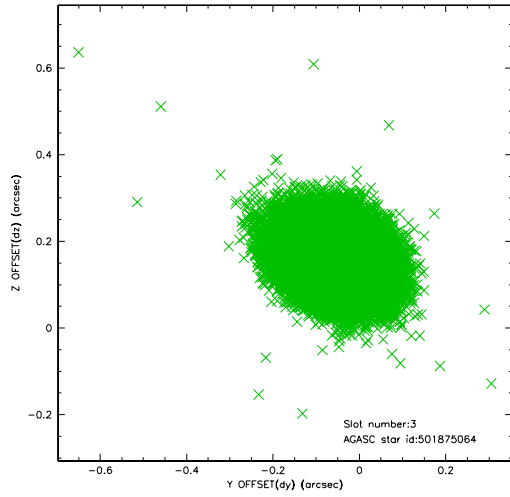


### Slot Statistics

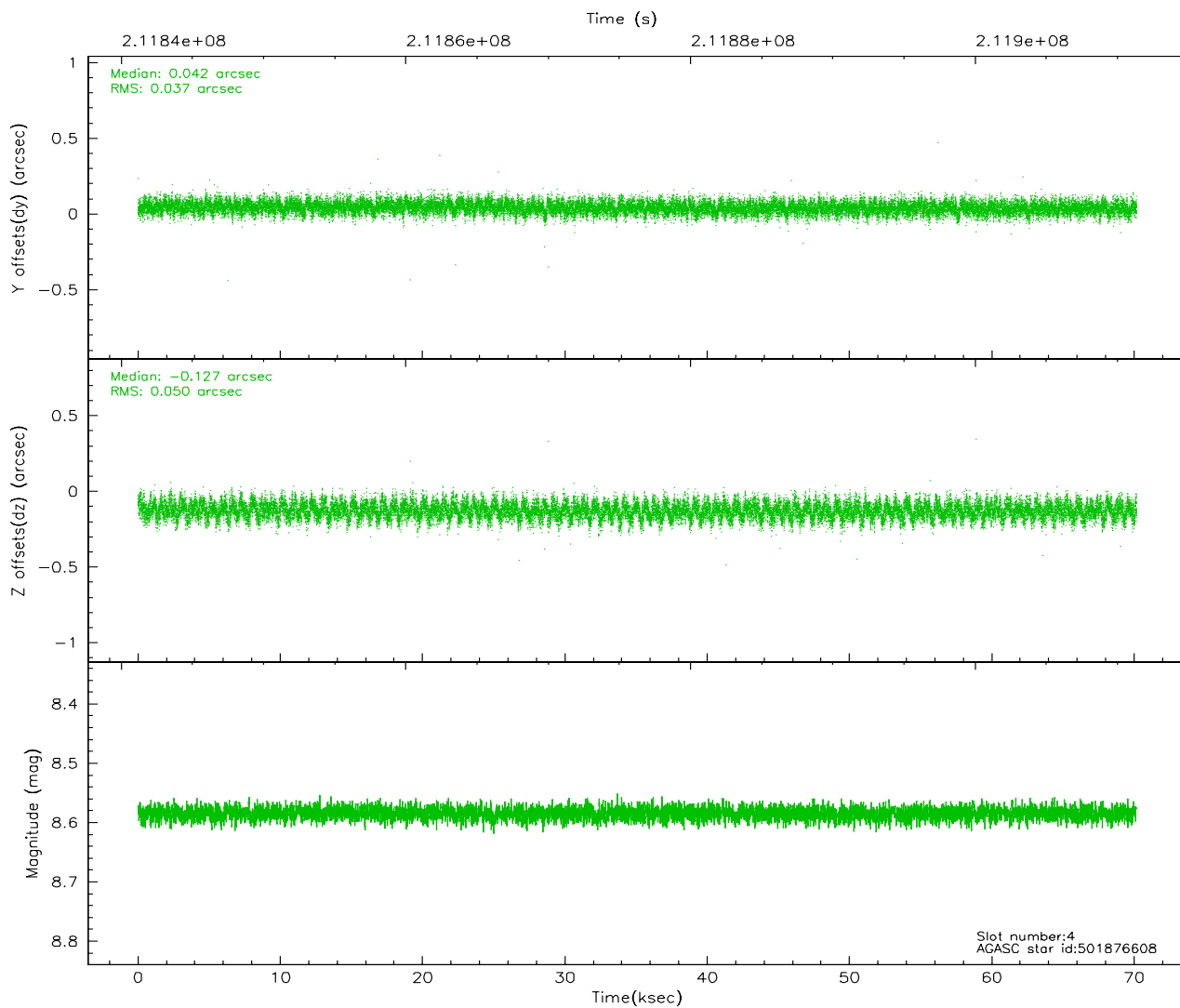
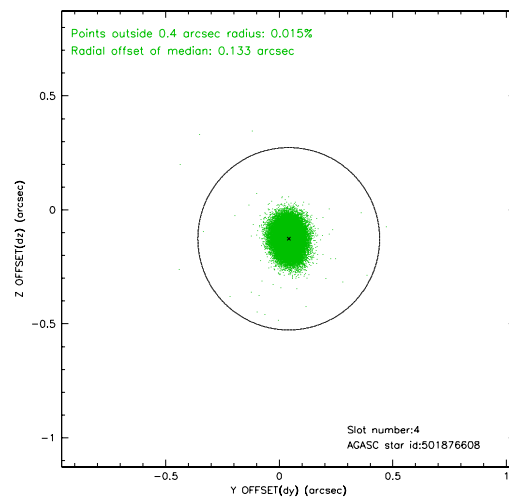
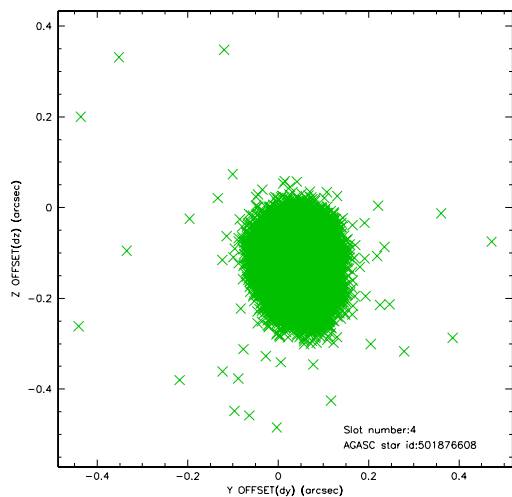
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	17117	-0.030	-0.048	0.012	0.031	0.000000	0.000000	932.22	-835.30
1	FID	ACIS-I-4	7.18	17116	0.084	0.070	0.017	0.028	0.000000	0.000000	2152.36	1064.64
2	FID	ACIS-I-5	7.22	17119	-0.150	0.047	0.015	0.022	0.000000	0.000000	-1815.96	1062.43
3	GUIDE	501875064	9.14	34210	-0.061	0.158	0.085	0.138	163.017696	58.369846	2072.23	-2094.81
4	GUIDE	501876608	8.58	34228	0.042	-0.127	0.066	0.106	161.204341	58.717464	-818.14	98.18
5	GUIDE	501878216	8.97	34222	-0.002	-0.051	0.106	0.167	161.663048	59.249982	572.38	1668.69
6	GUIDE	501878576	7.82	34234	-0.107	-0.016	0.059	0.095	161.532118	59.060873	137.63	1091.75
7	GUIDE	501881944	9.69	34208	0.127	0.039	0.114	0.197	160.035064	59.170822	-2367.70	2329.35

## 2.4 Star Slots

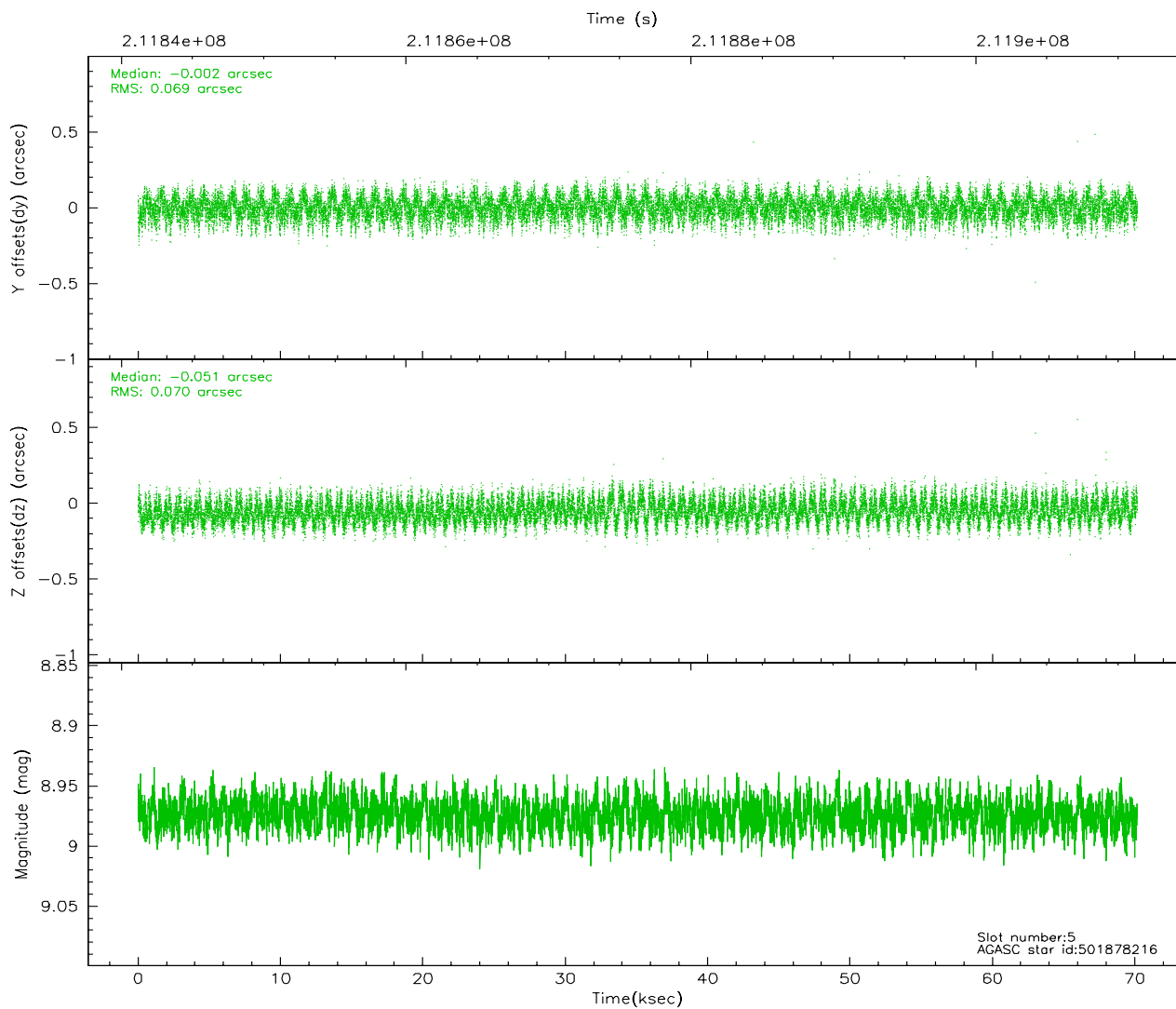
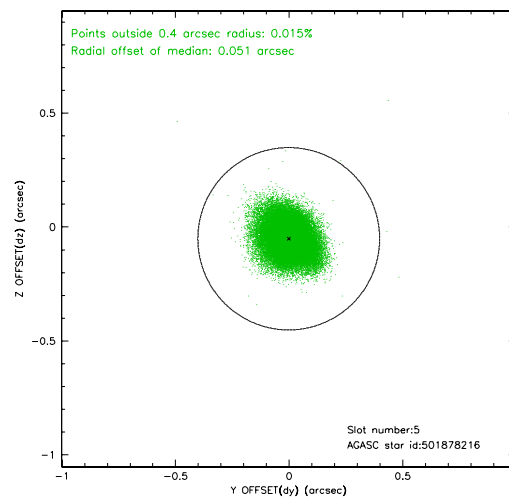
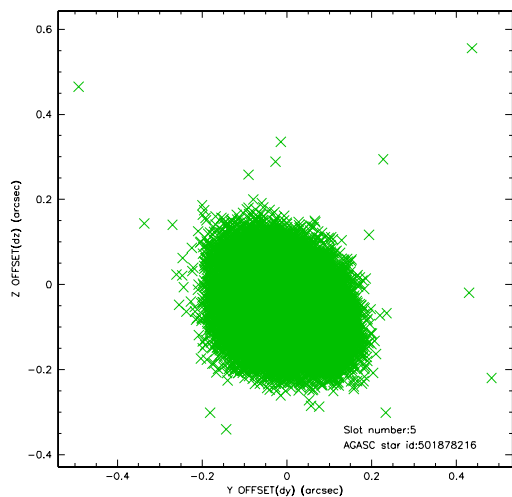
### 2.4.1 Slot 3



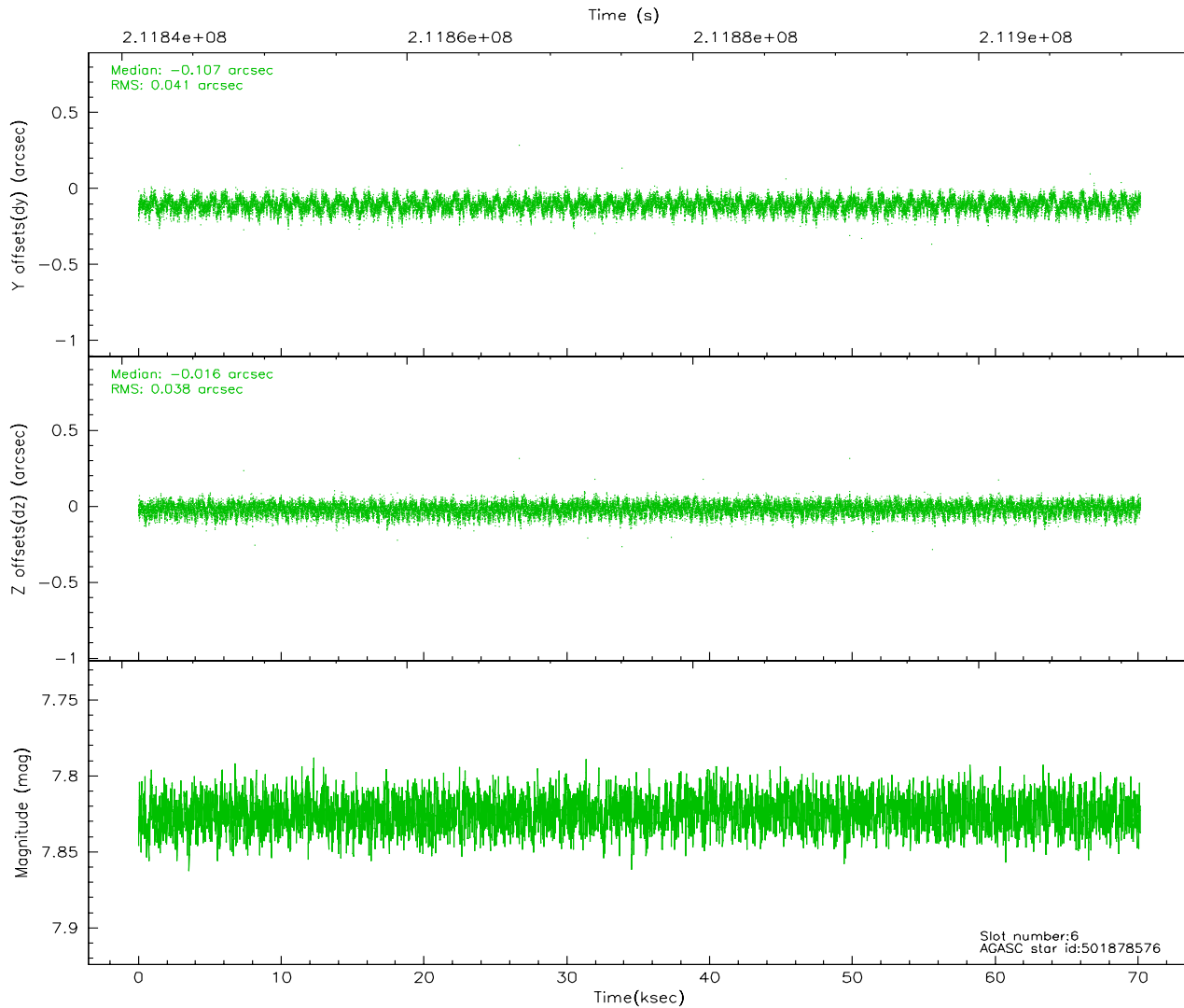
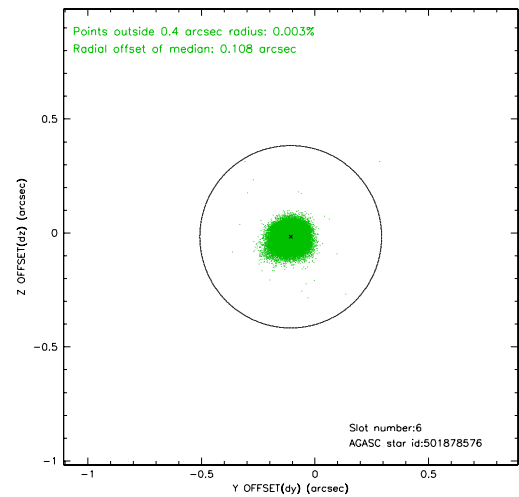
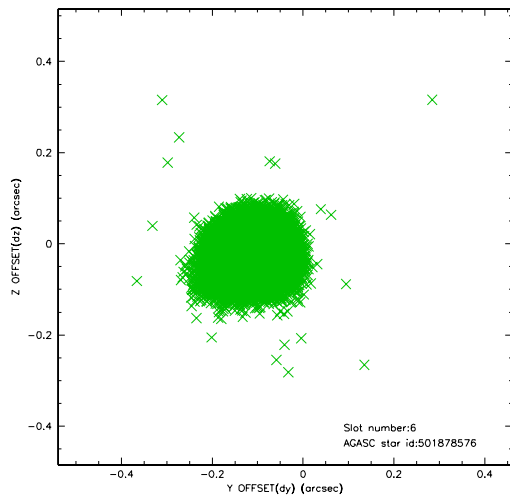
## 2.4.2 Slot 4



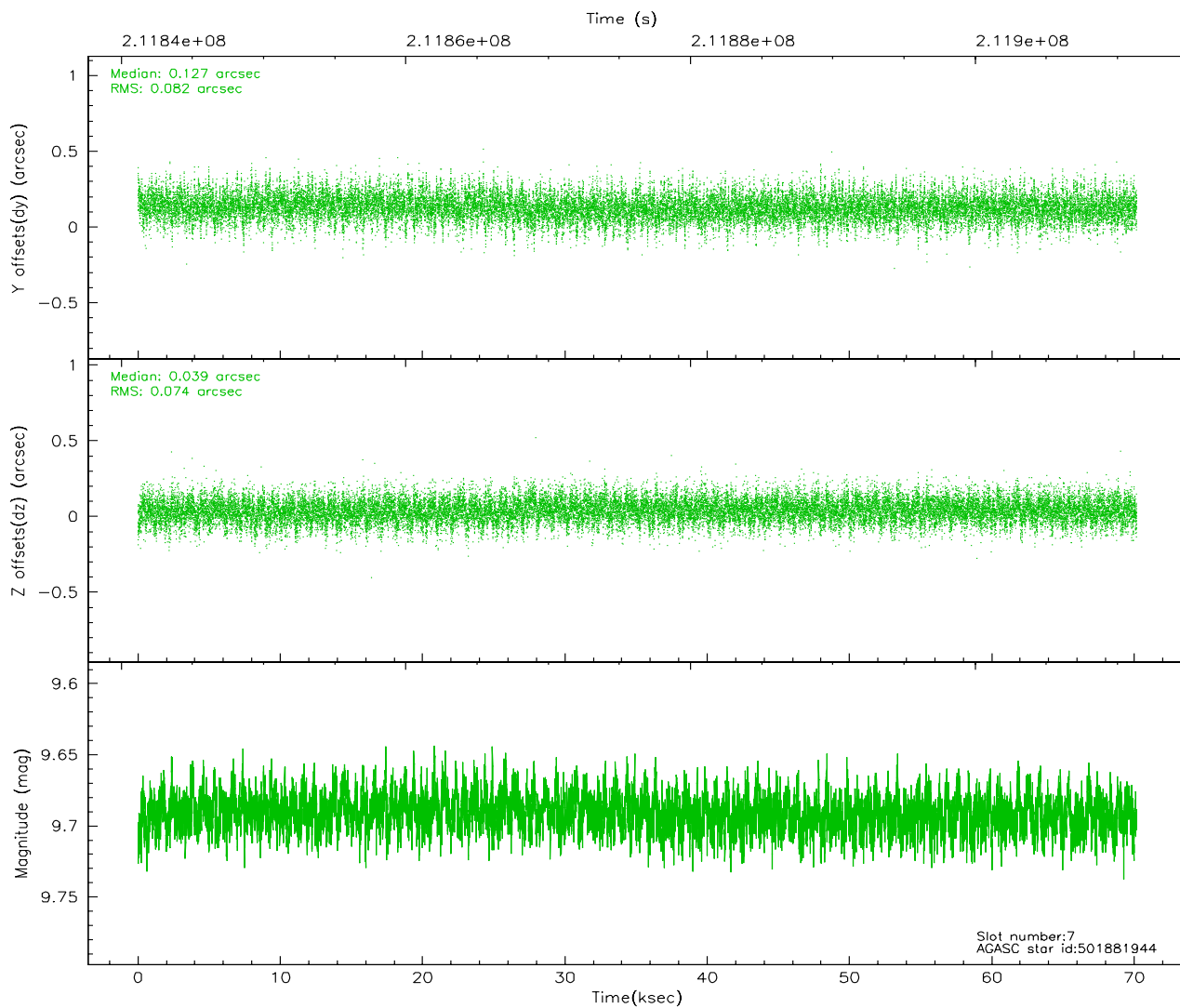
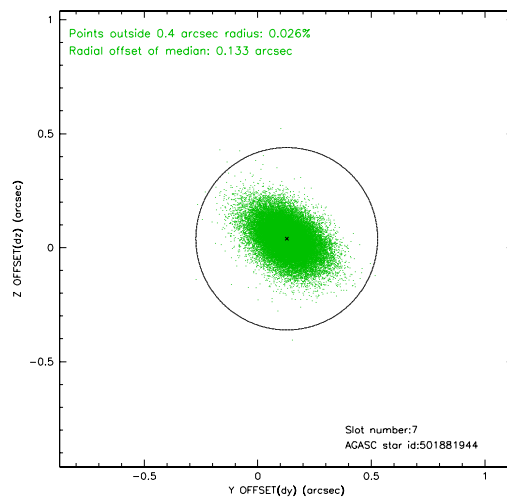
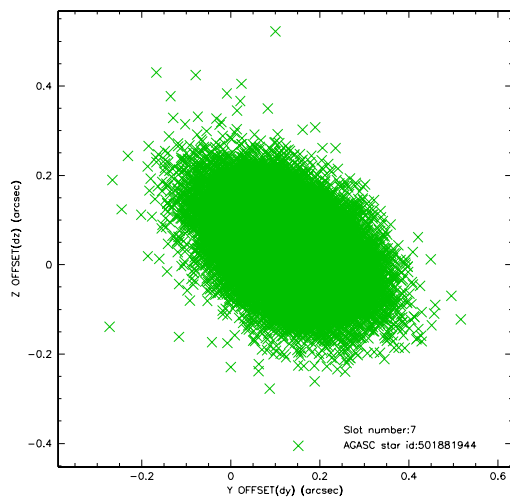
### 2.4.3 Slot 5



## 2.4.4 Slot 6

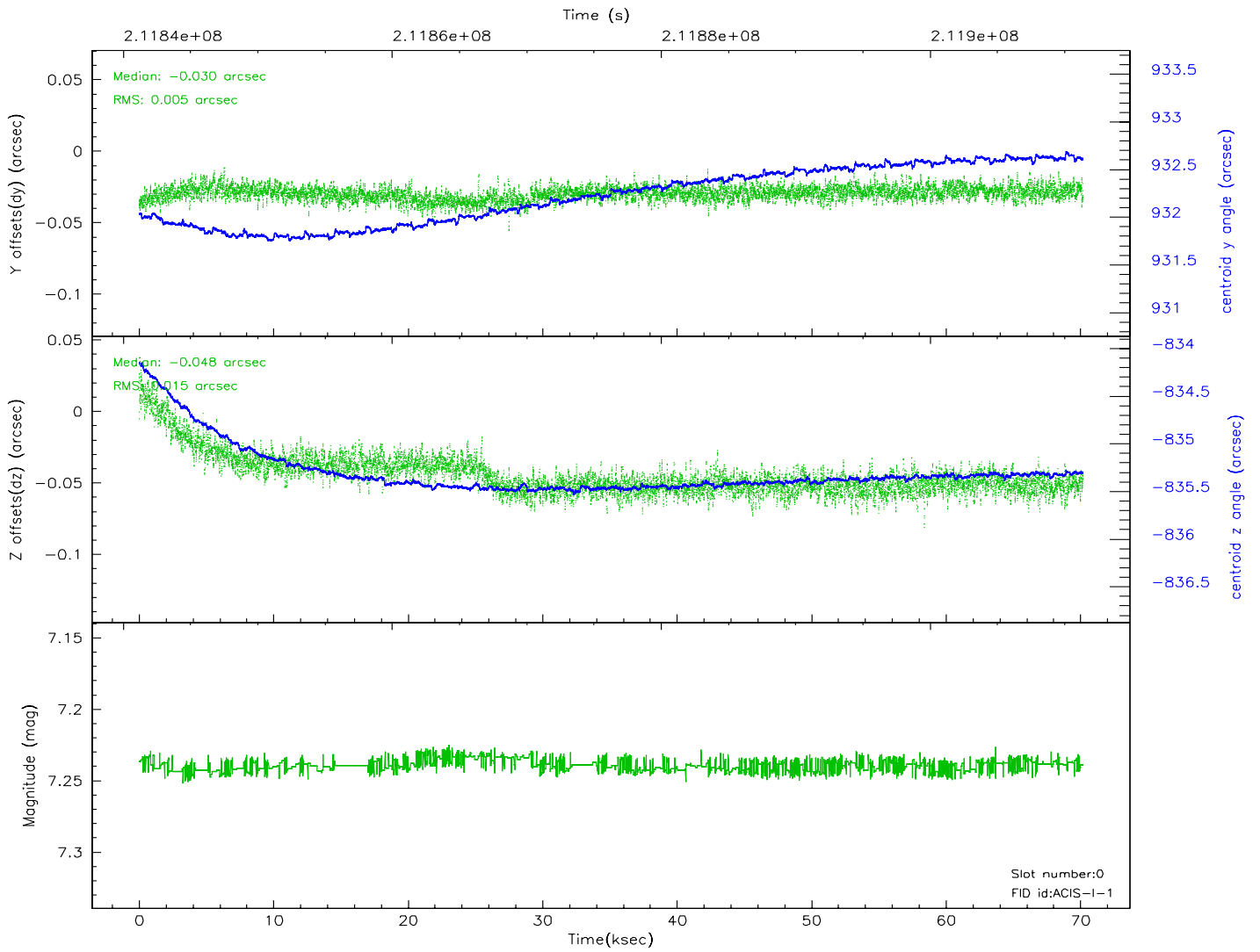
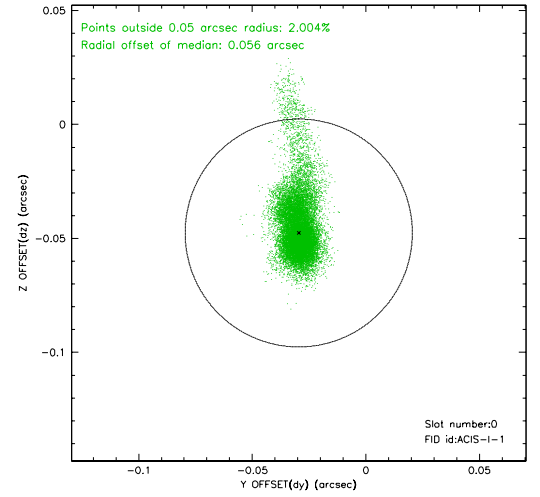
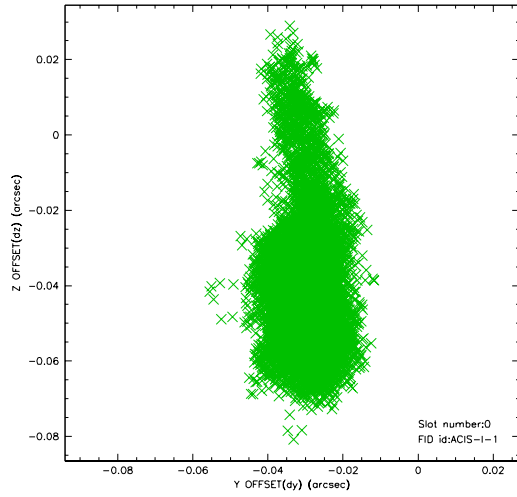


## 2.4.5 Slot 7

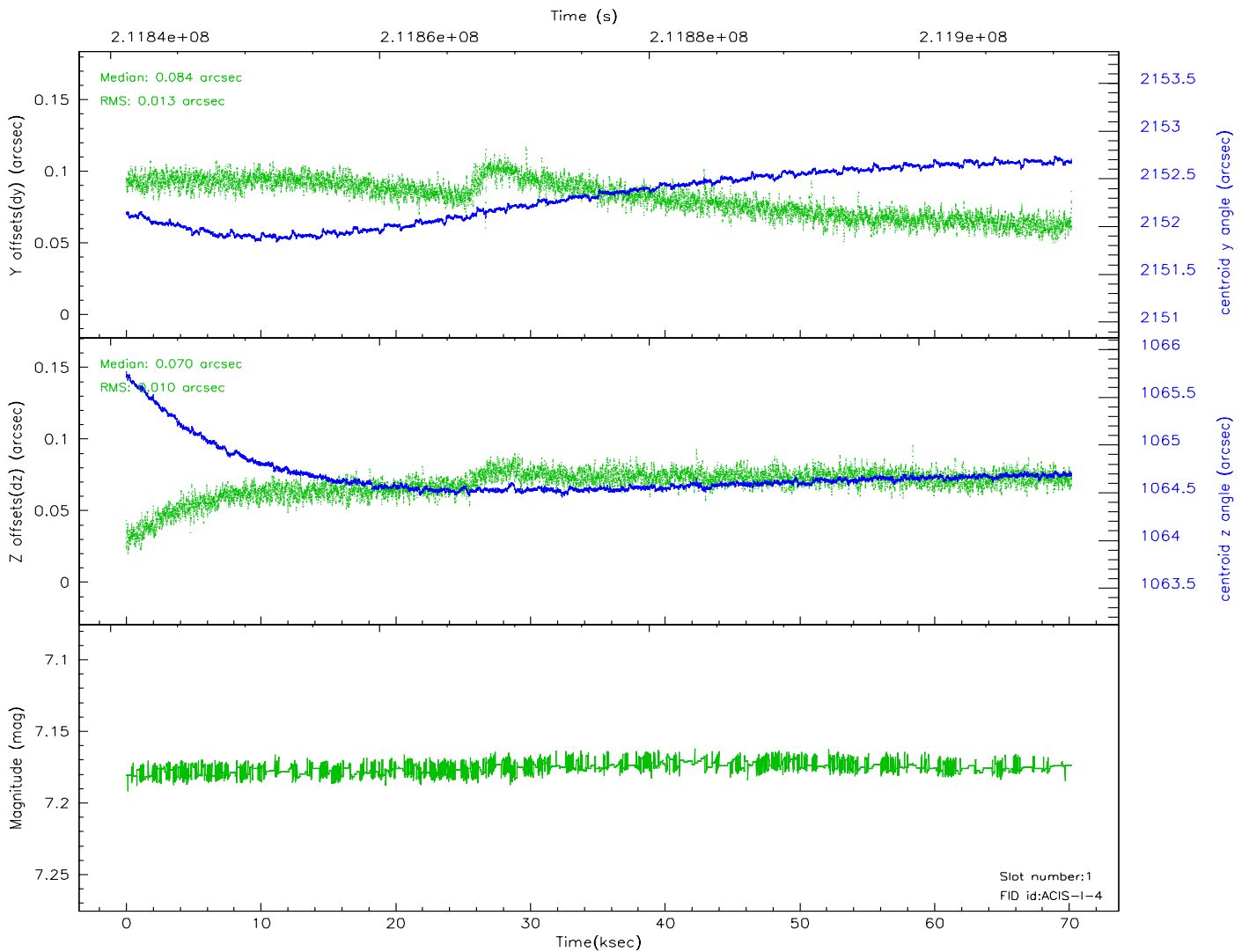
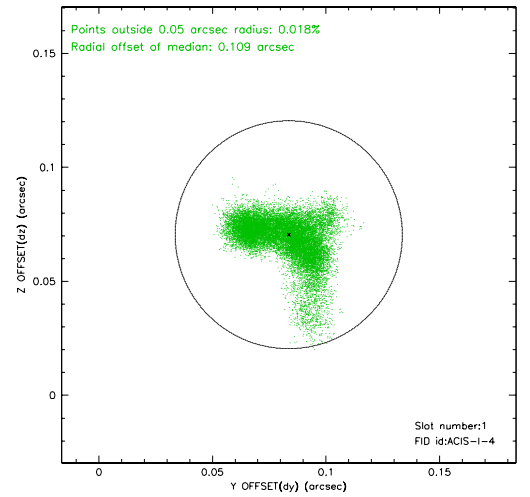
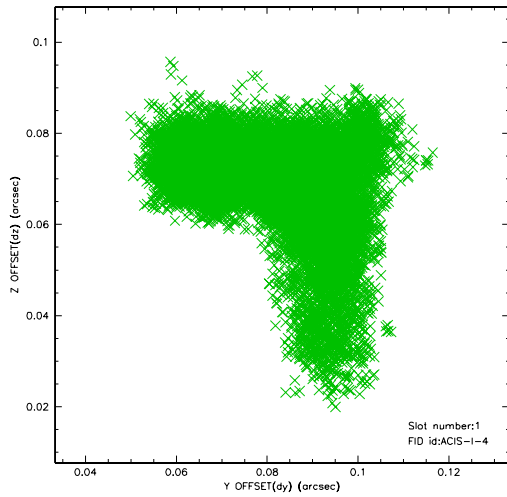


## 2.5 FID Slots

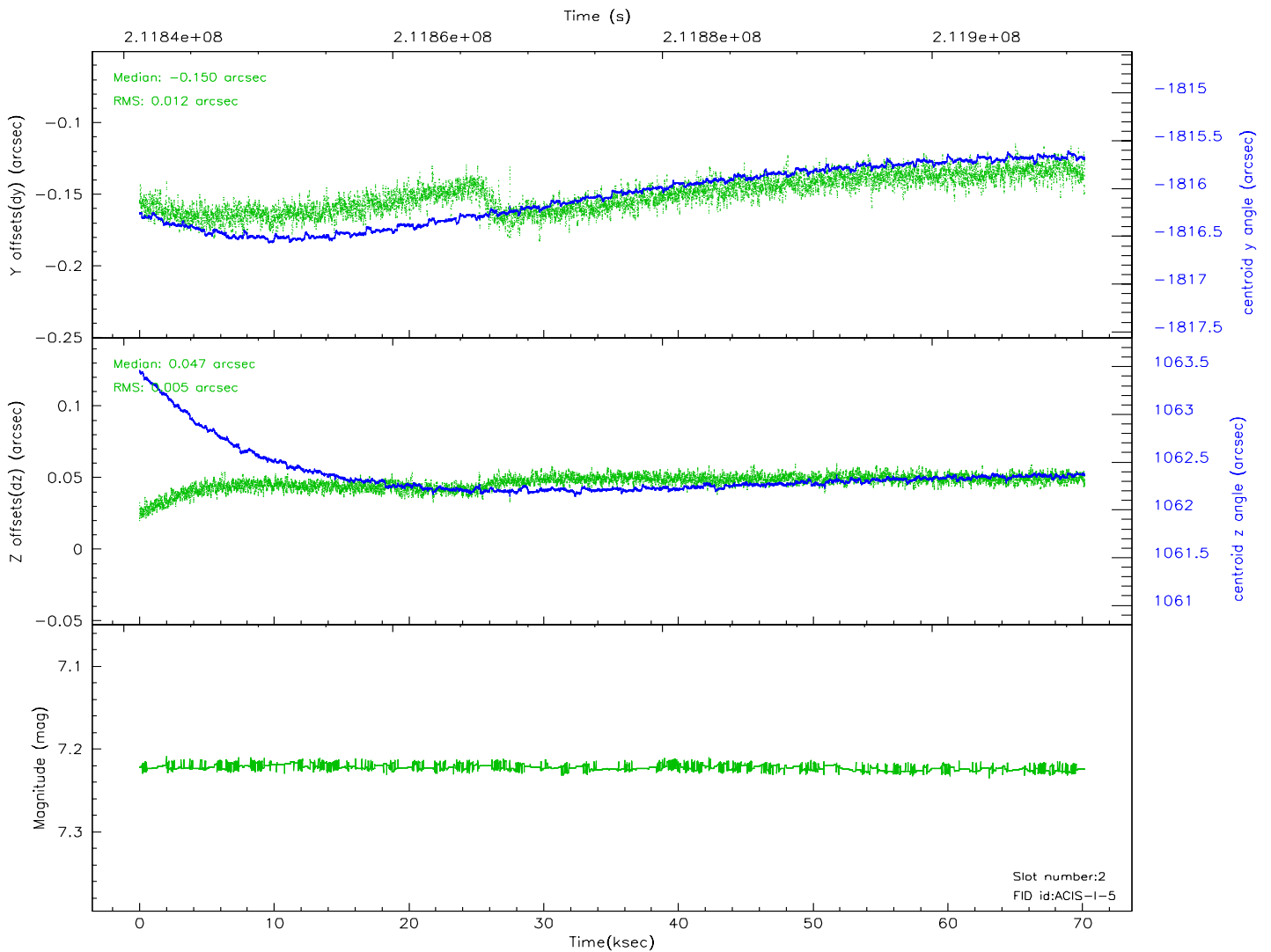
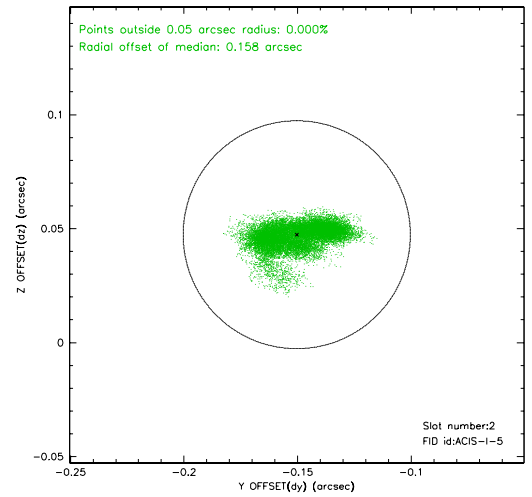
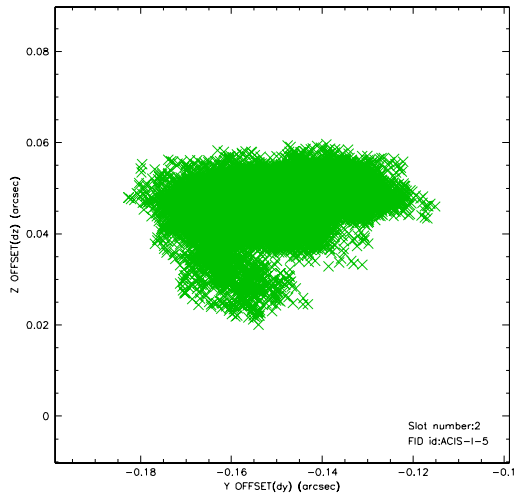
### 2.5.1 Slot 0



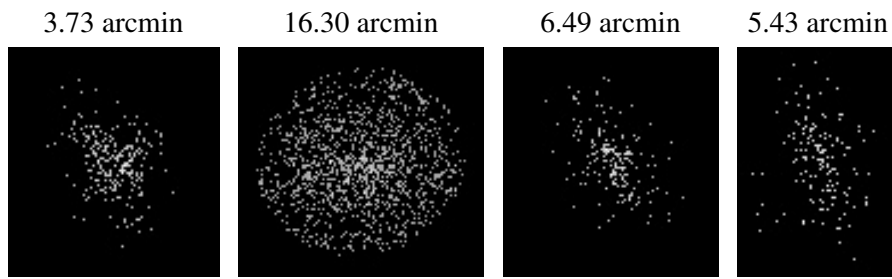
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	70.174

## A.2 Comments

Roll constraint met.