

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2953 - L2 Version 3  
Chandra X-Ray Center

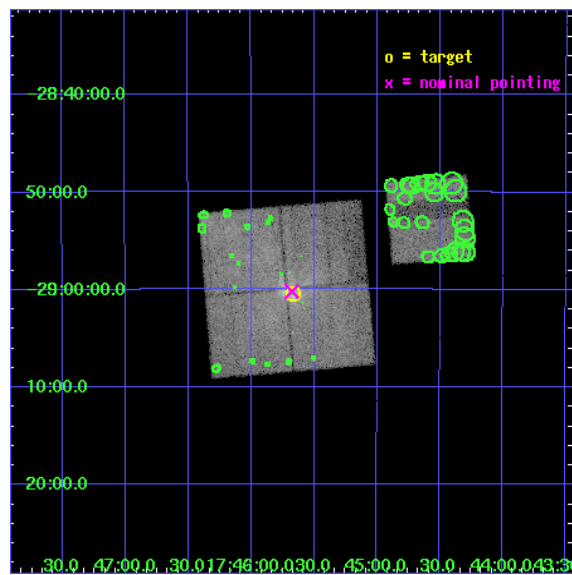
L2 Processing Date : May 16 2008

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# 1 Front

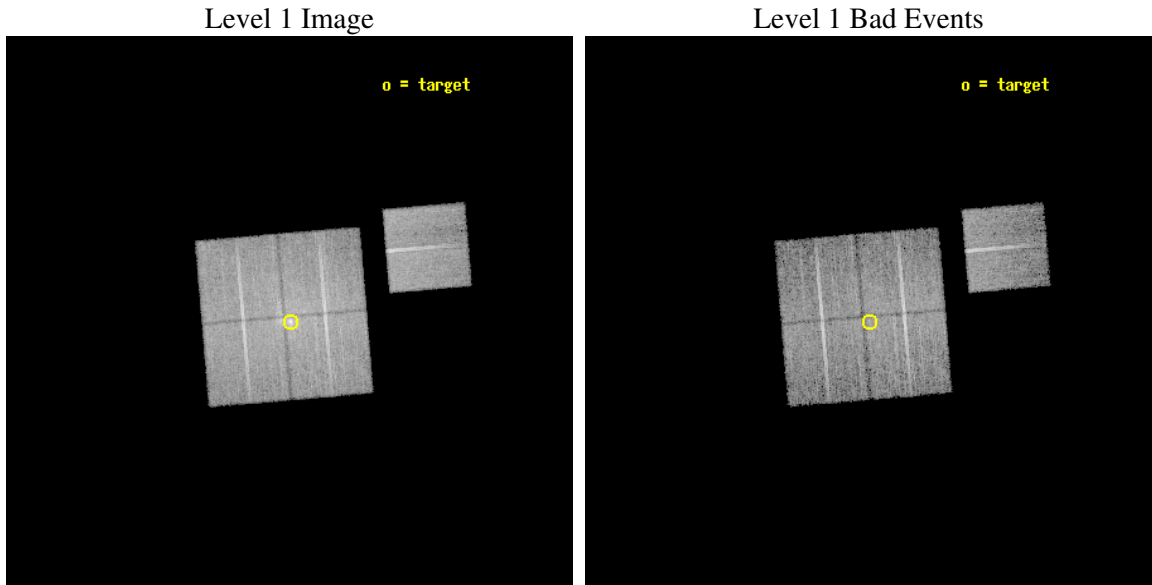
seq_num	600290
obs_id	2953
title	SIMULTANEOUS X-RAY/RADIO MONITORING OF SAGITTARIUS A*
observer	Professor Gordon Garmire
object	SGR A*
dtcycle	0
cycle	P
ra_targ	266.416667
dec_targ	-29.007778
ra_nom	266.41916204768
dec_nom	-29.003587279665
roll_nom	85.175312847823
revision	3
ontime	11972.199976981
livetime	11815.774370476
ontime0	11972.199976981
ontime1	11972.199976981
ontime2	11972.199976981
ontime3	11972.199976981
ontime6	11972.199976981
l2events	154062



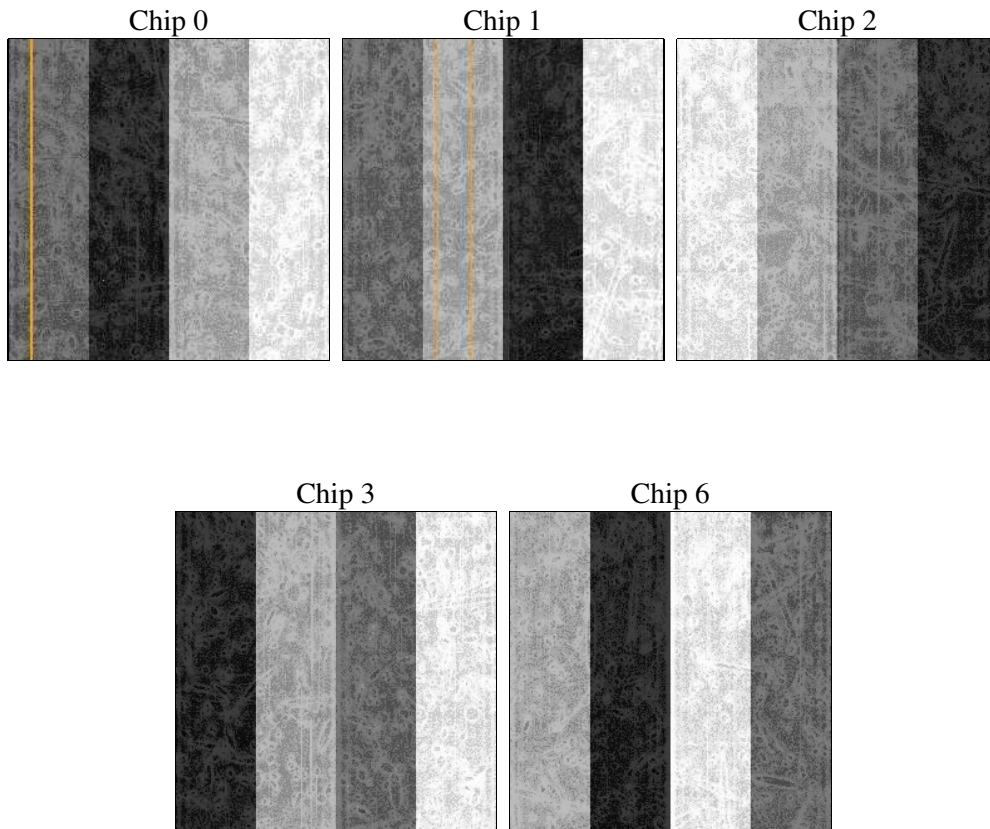
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.11.6
caldsver	3.4.4
date	2008-05-16T22:12:45
revision	3

sched_exp_time	12000.000000
ontime	11972.199976981
ontime0	11972.199976981
ontime1	11972.199976981
ontime2	11972.199976981
ontime3	11972.199976981
ontime6	11972.199976981
l1events	521999

### 2.1.4 Events

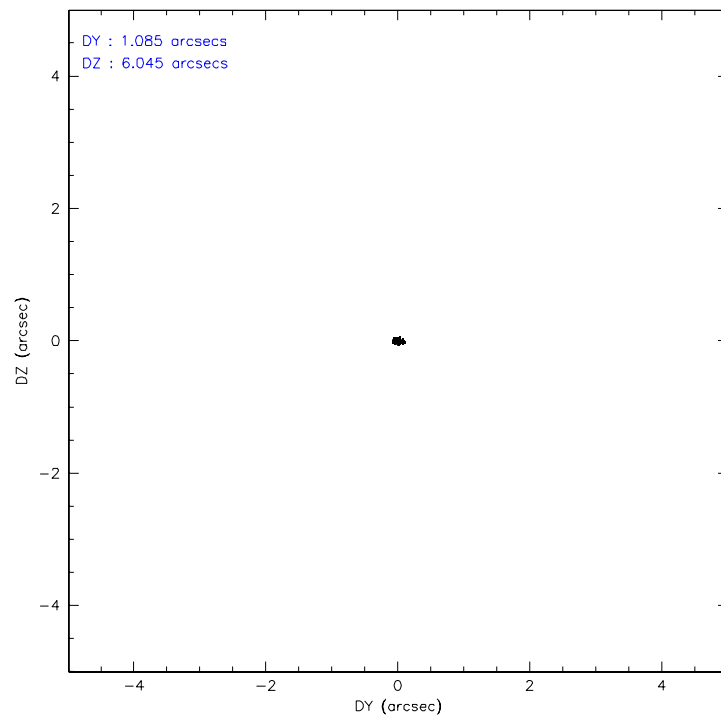
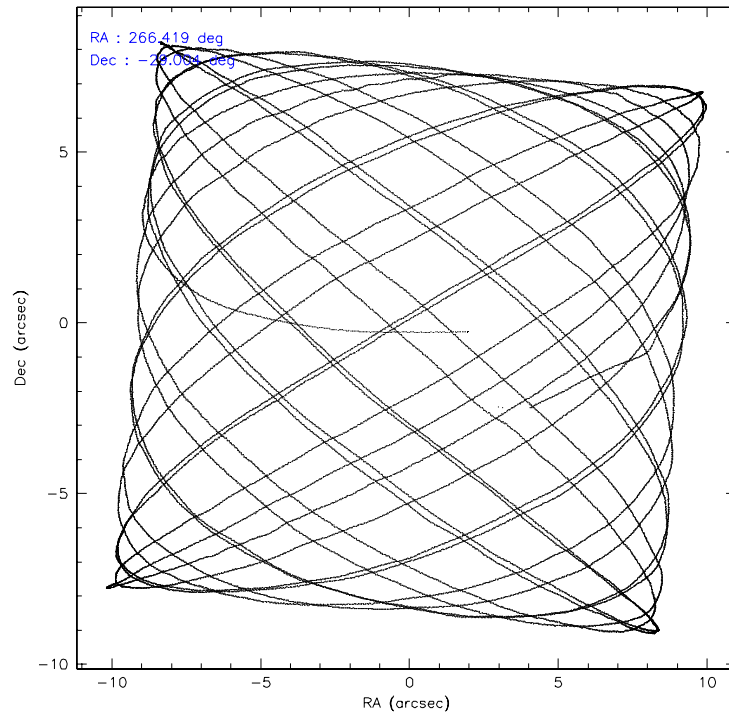
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	106082	101753	105364	111373	97427
rejected events	64546	66179	73564	75220	70860
rejected %	60%	65%	69%	67%	72%

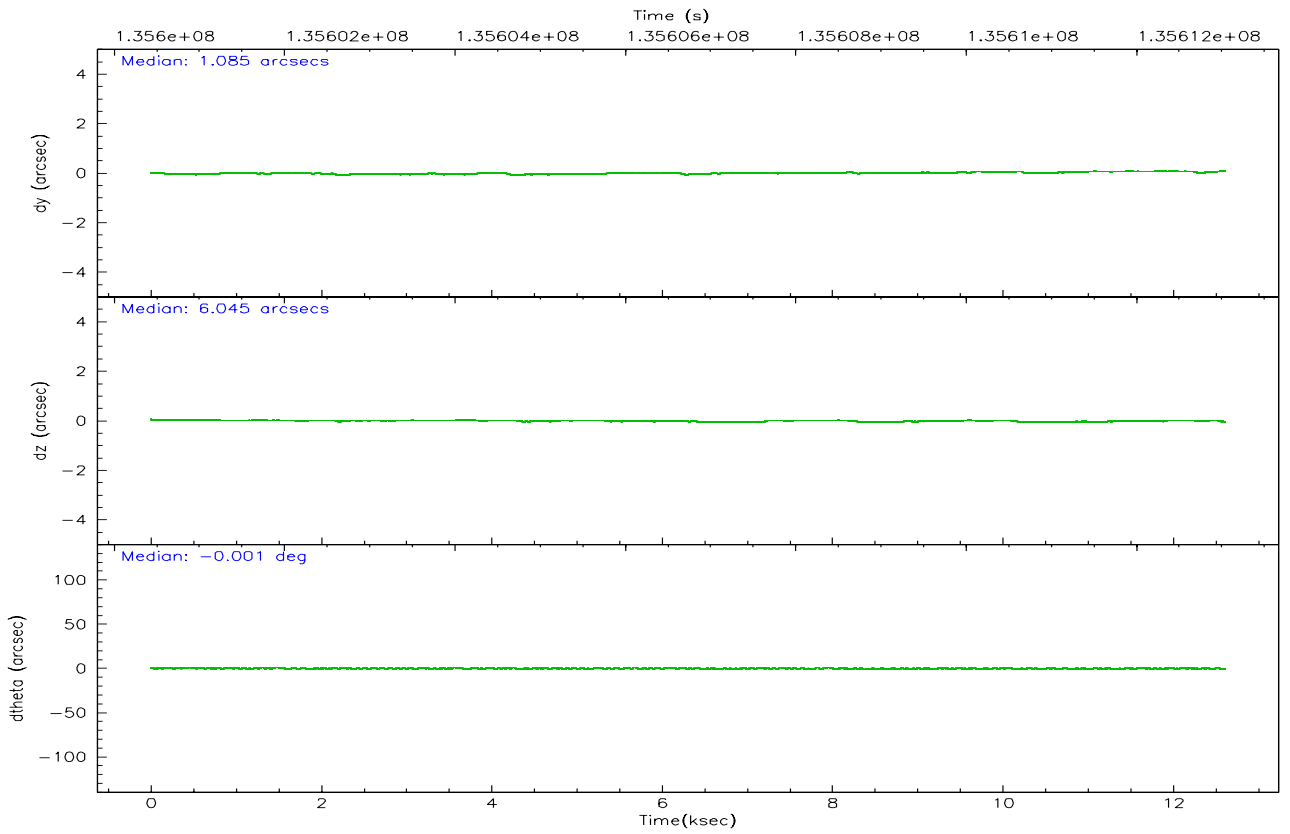
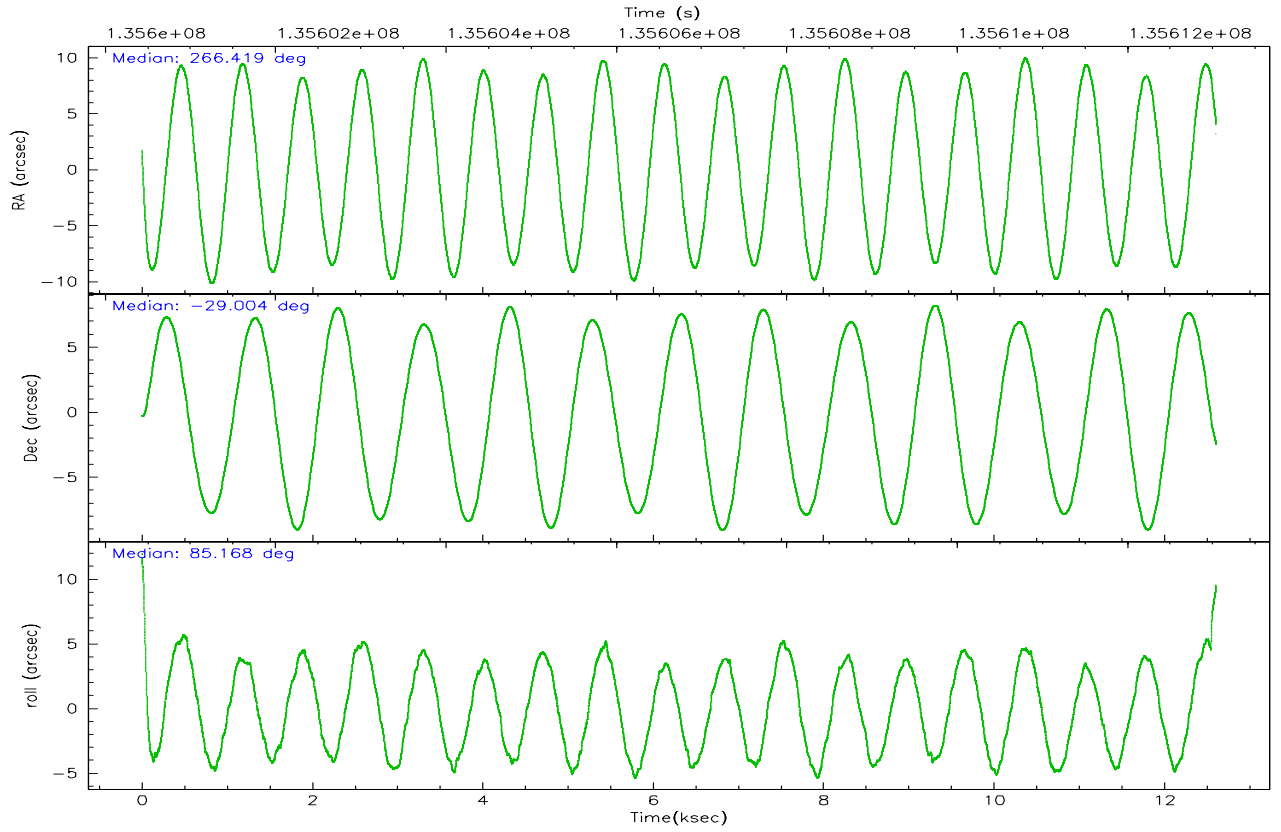
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	22265	16913	16428	18010	12281
	20%	16%	15%	16%	12%
grade 1 events	111	78	102	86	61
	0%	0%	0%	0%	0%
grade 2 events	9563	9869	7322	9285	7760
	9%	9%	6%	8%	7%
grade 3 events	1860	1682	1269	1604	1100
	1%	1%	1%	1%	1%
grade 4 events	1898	1596	1756	1706	1191
	1%	1%	1%	1%	1%
grade 5 events	2741	2992	2583	2943	3196
	2%	2%	2%	2%	3%
grade 6 events	5969	5536	5034	5558	4253
	5%	5%	4%	4%	4%
grade 7 events	61675	63087	70870	72181	67585
	58%	62%	67%	64%	69%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	266.432575	266.4191620476846	Alternating exposures requested	N	N
Pointing Dec	-29.028409	-29.00358727966487	Primary exposure time	0.000000	3.1
Pointing Roll	84.973119	85.17531284782279			
Window start time	135600664.184000	135600664.184000			
Window stop time	135613264.184000	135613264.184000			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5899487761303			
SIM translation stage offset (mm)	0	-0.002504226799430853			
Observation start time	135601183.184000	135599941.41549			
Observation start date	2002-04-19T10:58:39	2002-04-19T10:39:01			
Observation end time	135613183.184000	135613067.05352			
Observation end date	2002-04-19T14:18:39	2002-04-19T14:17:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect



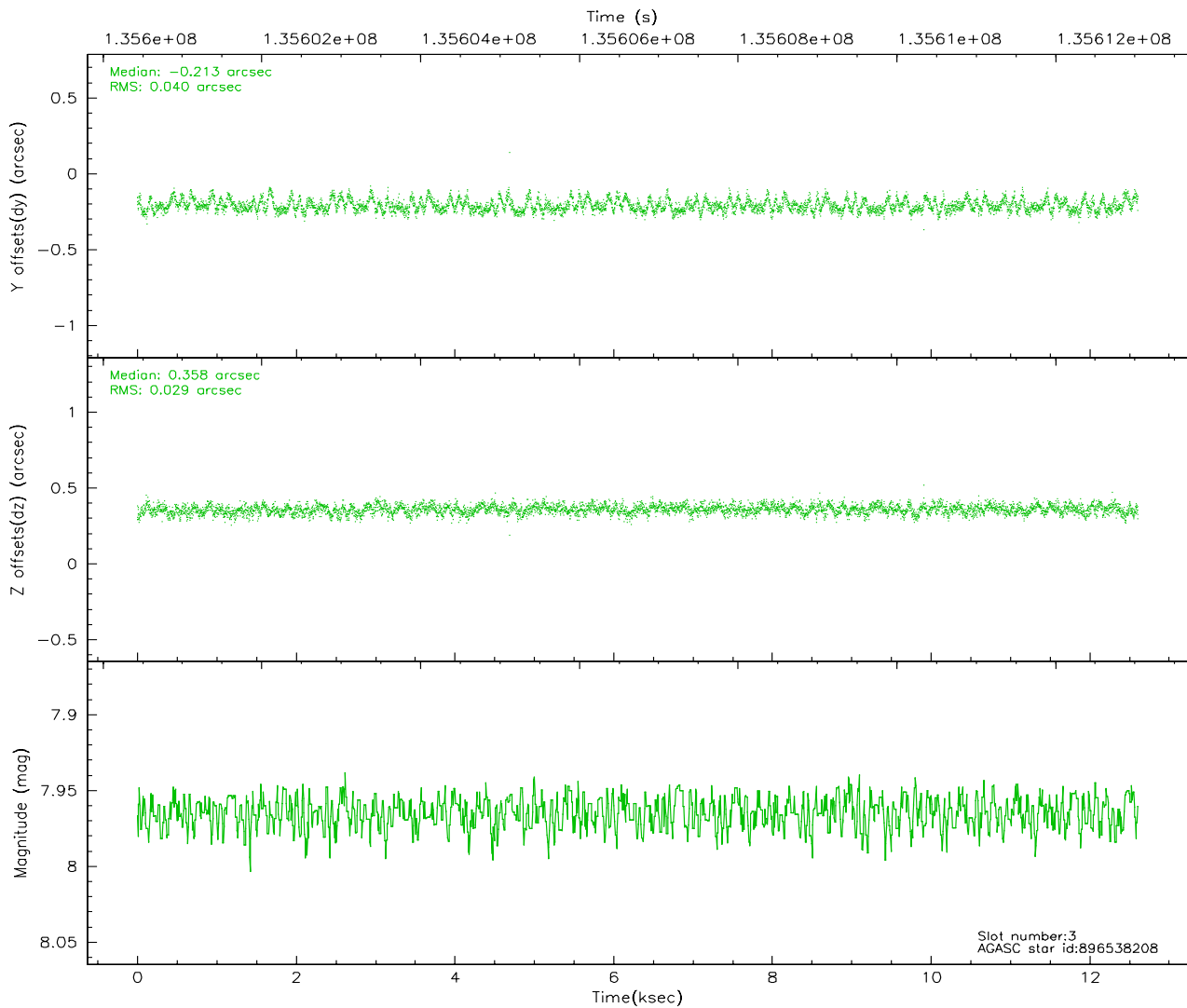
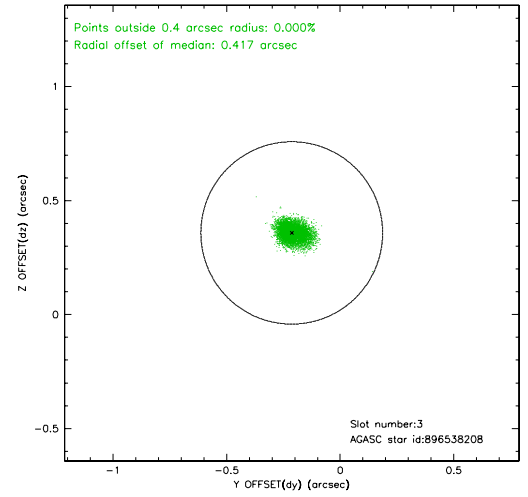
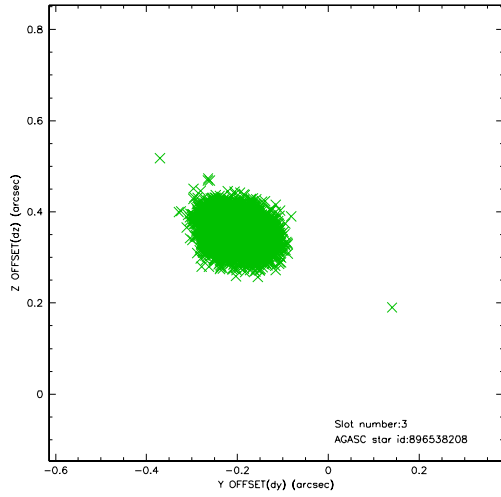


### Slot Statistics

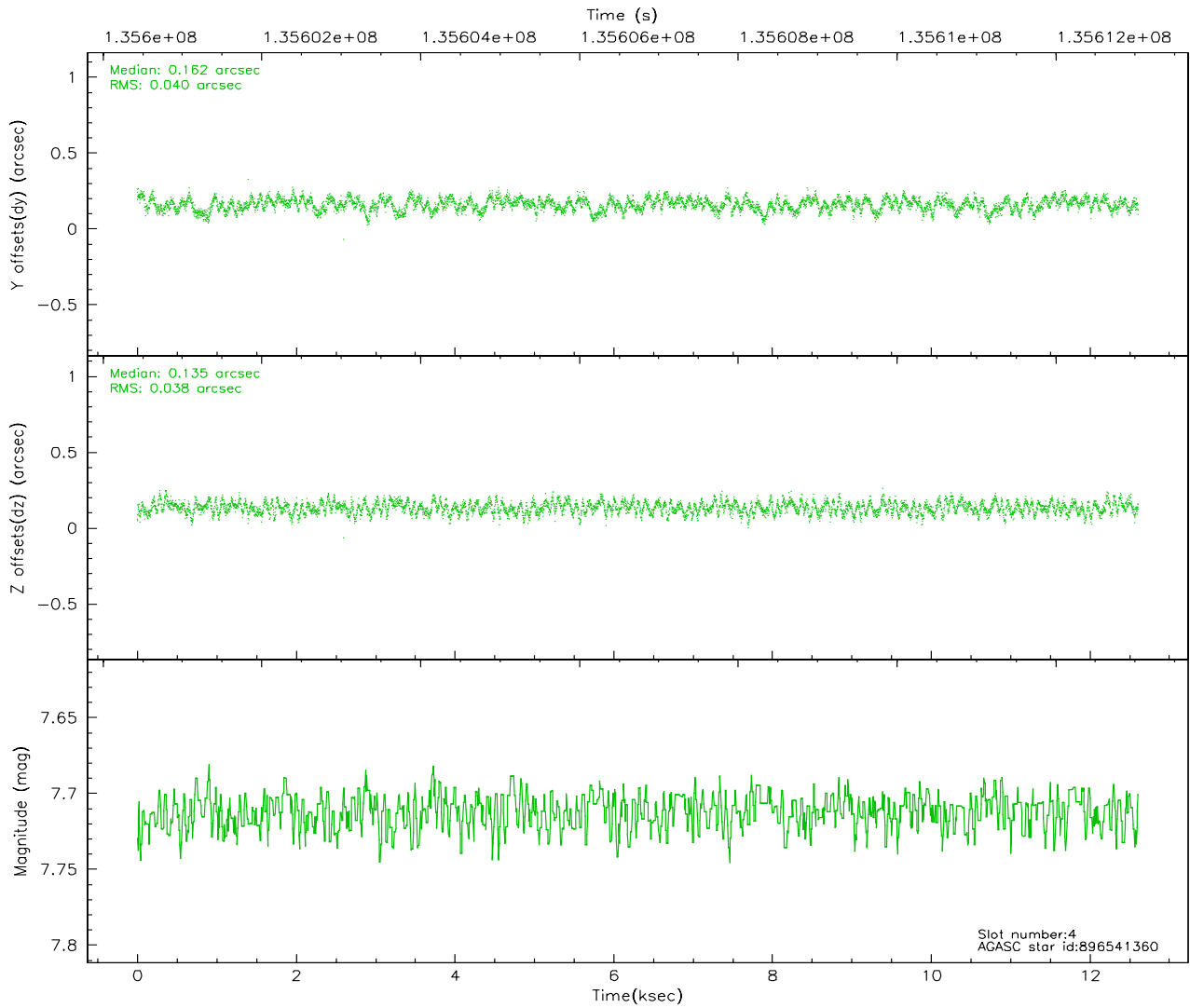
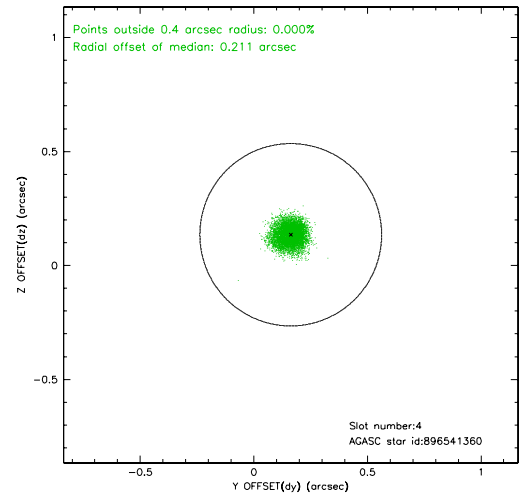
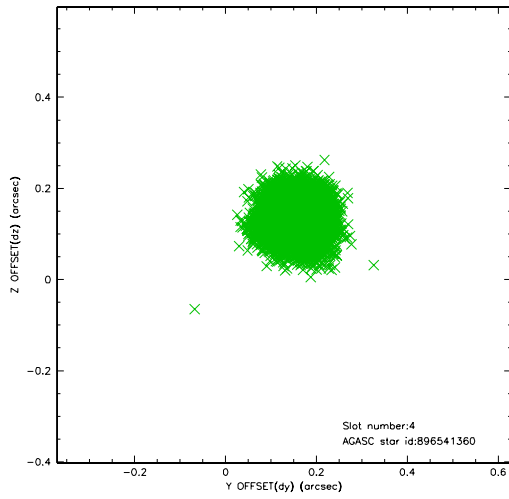
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	3076	-0.011	0.013	0.006	0.011	0.000000	0.000000	938.73	-829.36
1	FID	ACIS-I-5	7.24	3076	-0.065	0.034	0.006	0.011	0.000000	0.000000	-1809.18	1068.00
2	FID	ACIS-I-6	7.26	3076	-0.015	0.024	0.007	0.011	0.000000	0.000000	403.89	1712.90
3	GUIDE	896538208	7.96	6152	-0.213	0.358	0.052	0.087	267.176969	-28.671626	1478.20	-2230.20
4	GUIDE	896541360	7.71	6151	0.162	0.135	0.060	0.092	266.684478	-29.453744	-1456.54	-921.72
5	GUIDE	896540808	7.48	6152	0.097	-0.134	0.039	0.065	265.985401	-29.308604	-1130.89	1308.90
6	GUIDE	896403224	8.29	6152	0.240	-0.319	0.091	0.138	265.612825	-29.438915	-1706.74	2429.17
7	GUIDE	896534664	8.21	6150	-0.285	-0.041	0.055	0.087	266.405570	-28.407461	2218.63	281.29

## 2.4 Star Slots

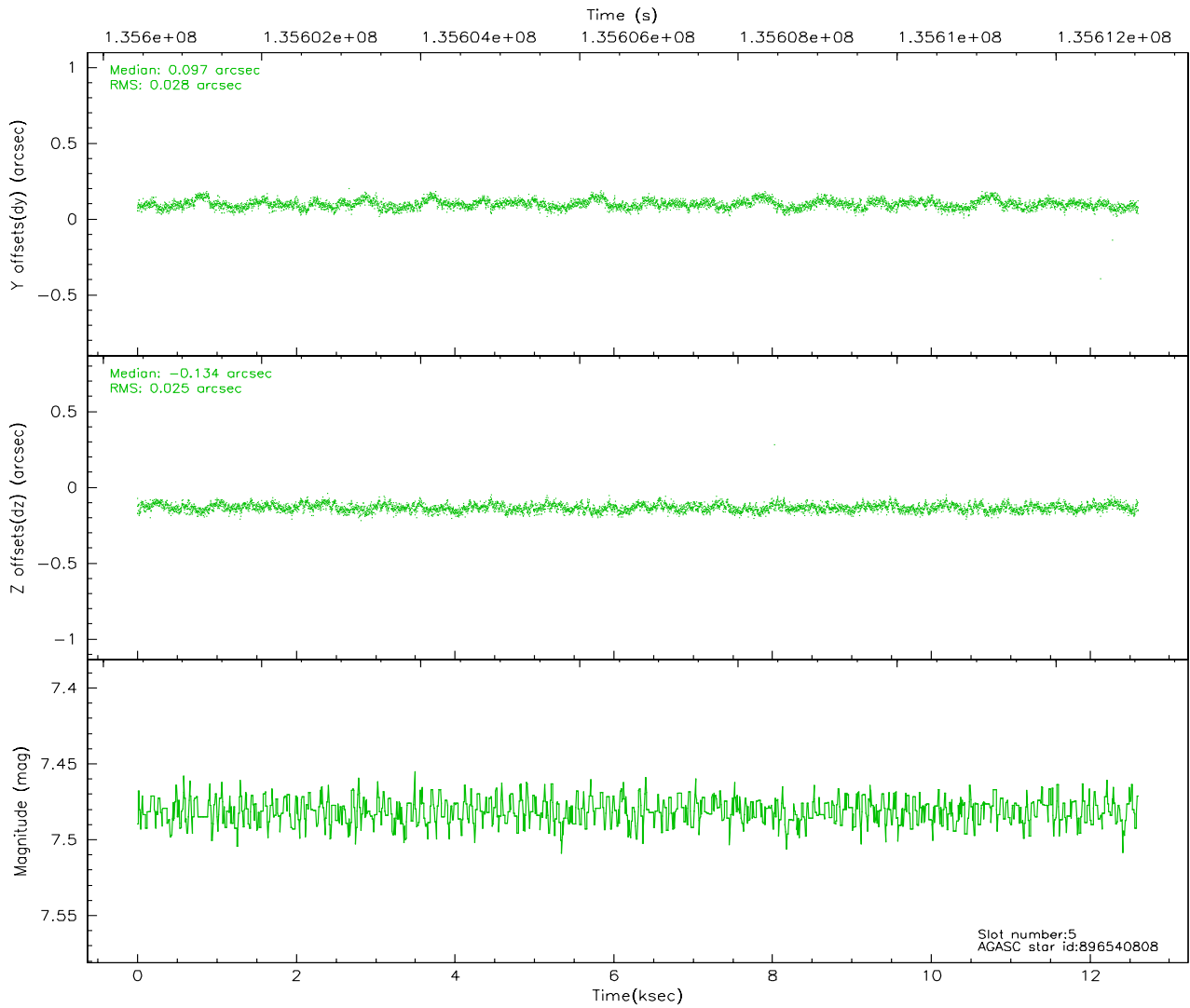
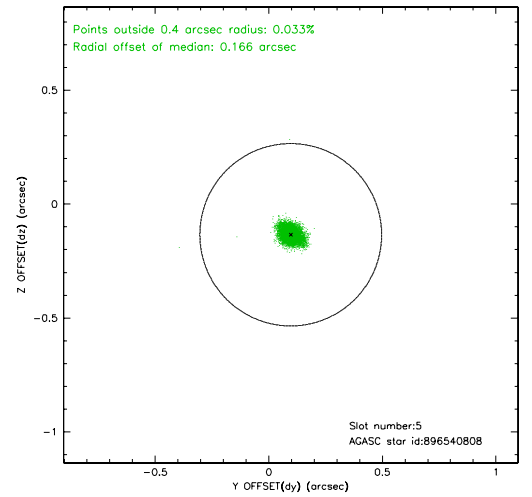
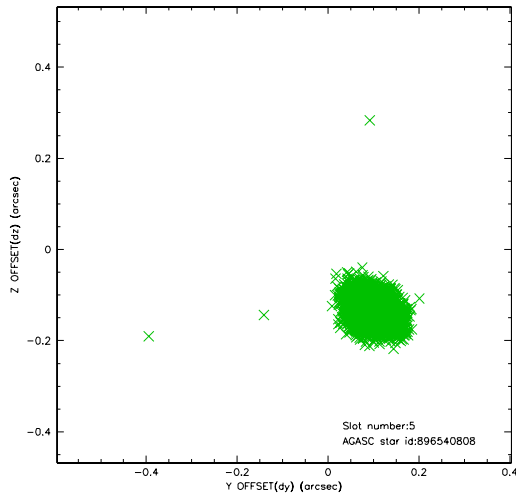
### 2.4.1 Slot 3



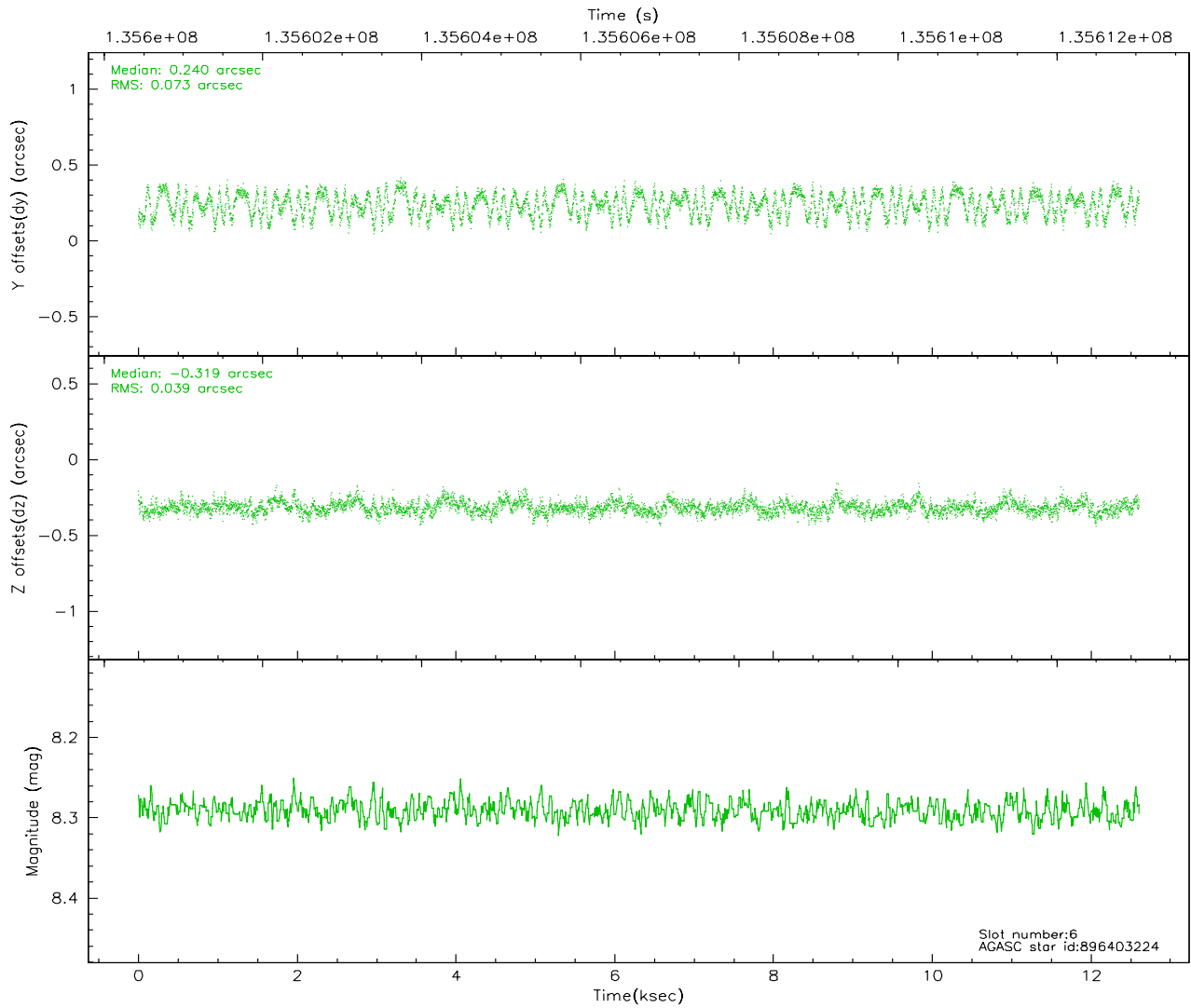
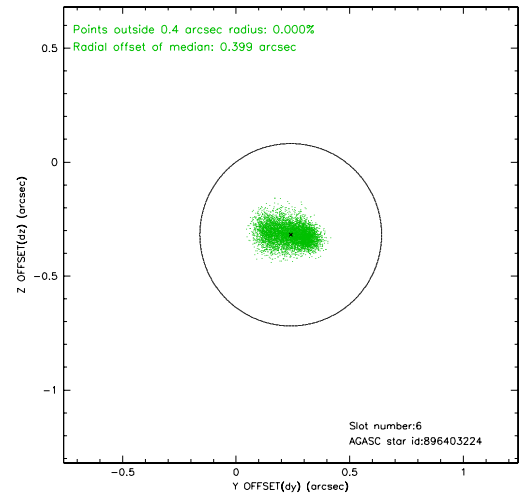
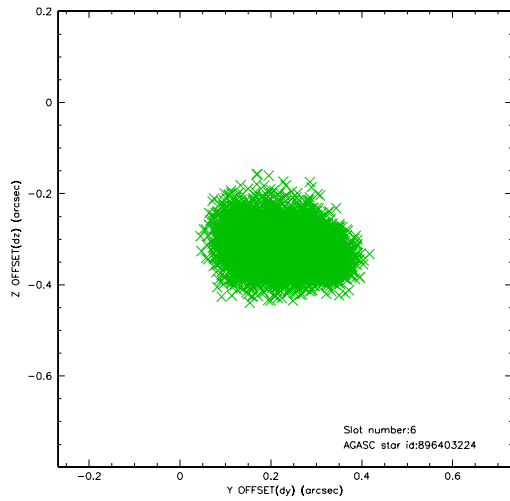
### 2.4.2 Slot 4



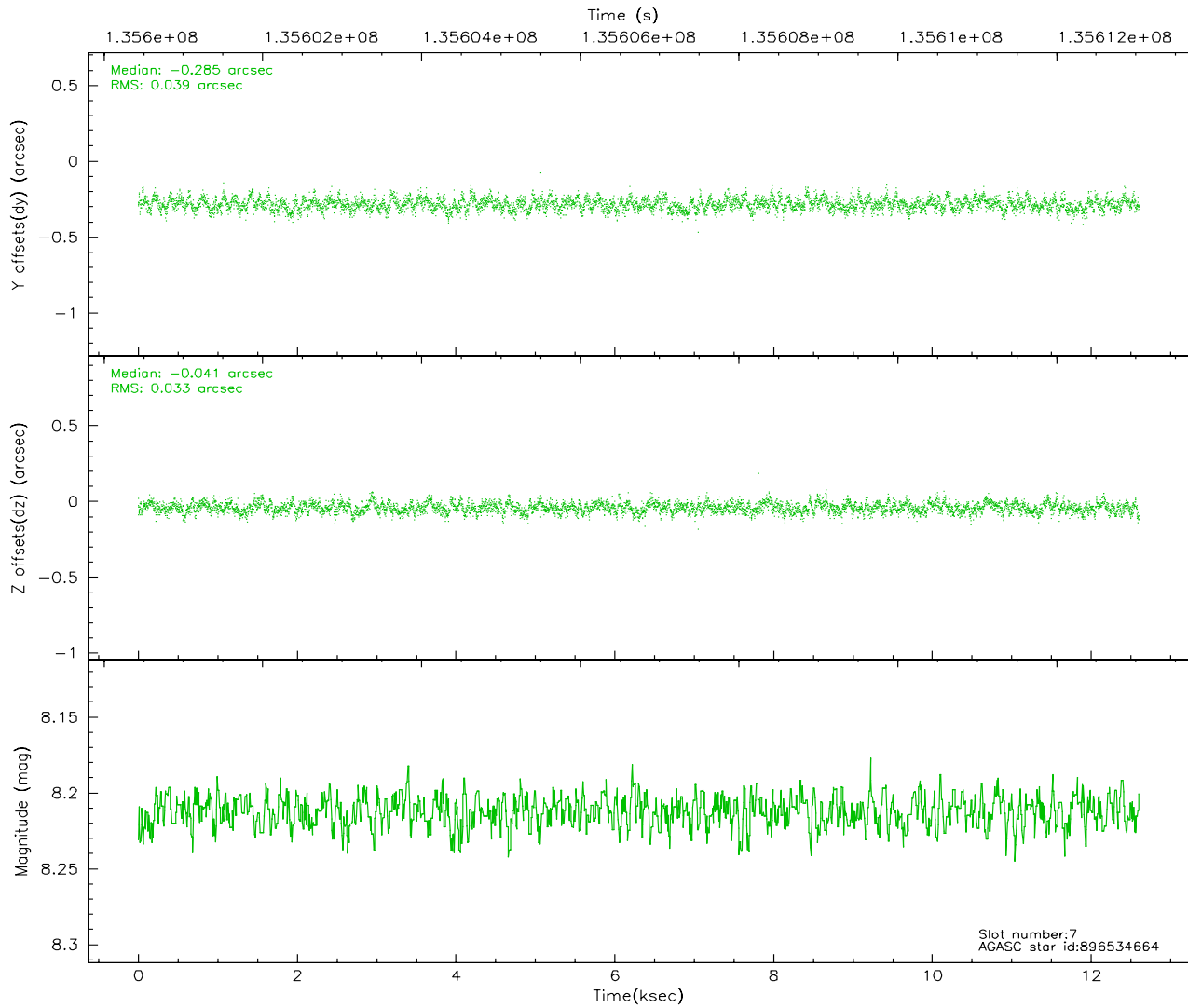
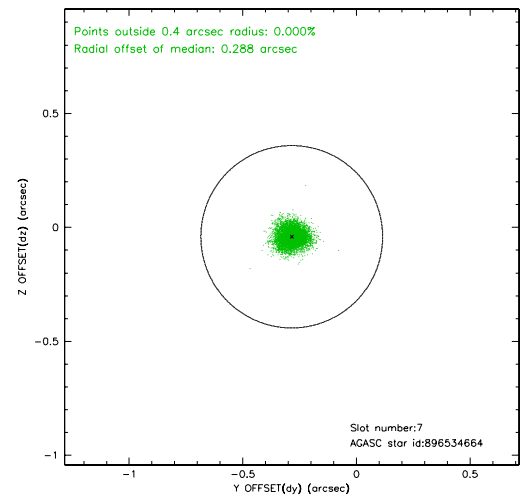
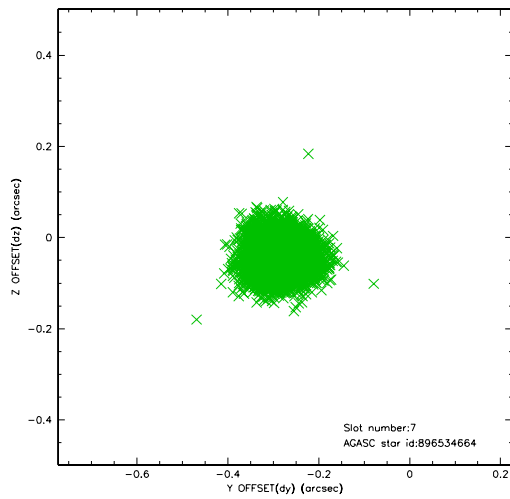
### 2.4.3 Slot 5



### 2.4.4 Slot 6

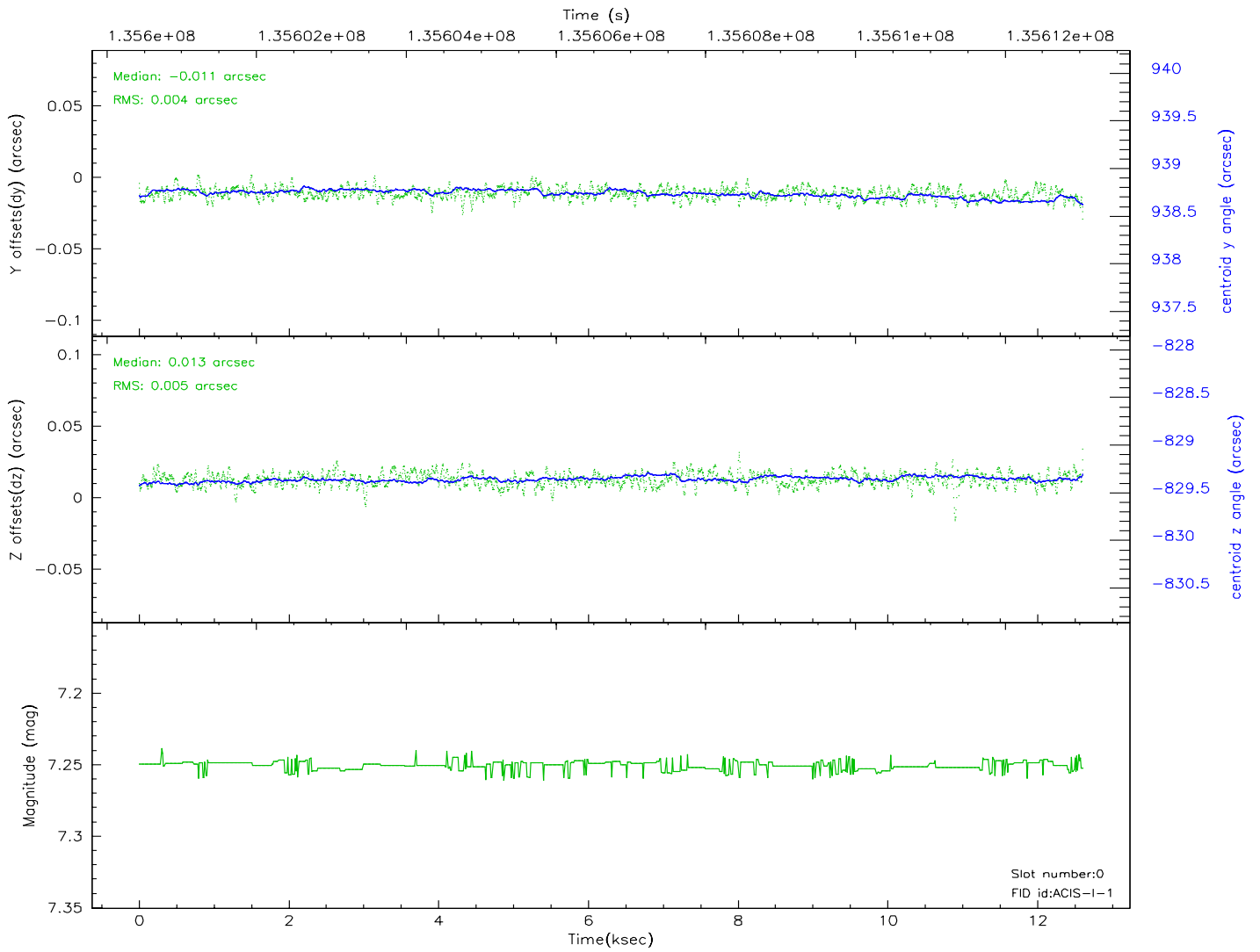
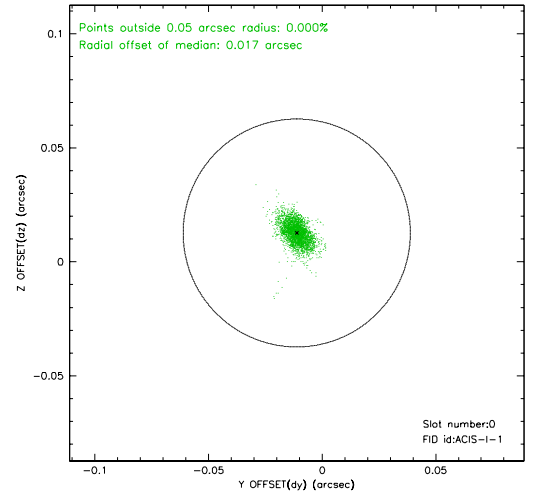
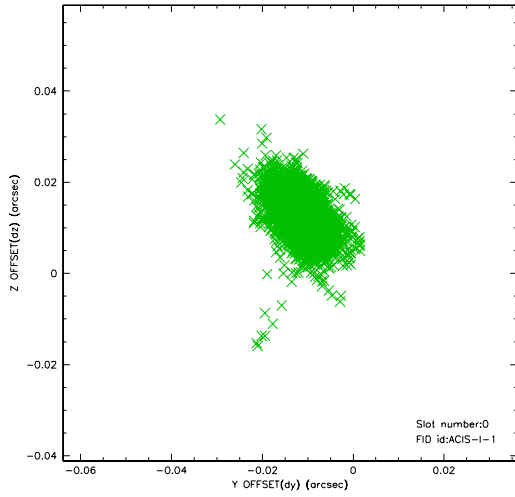


## 2.4.5 Slot 7

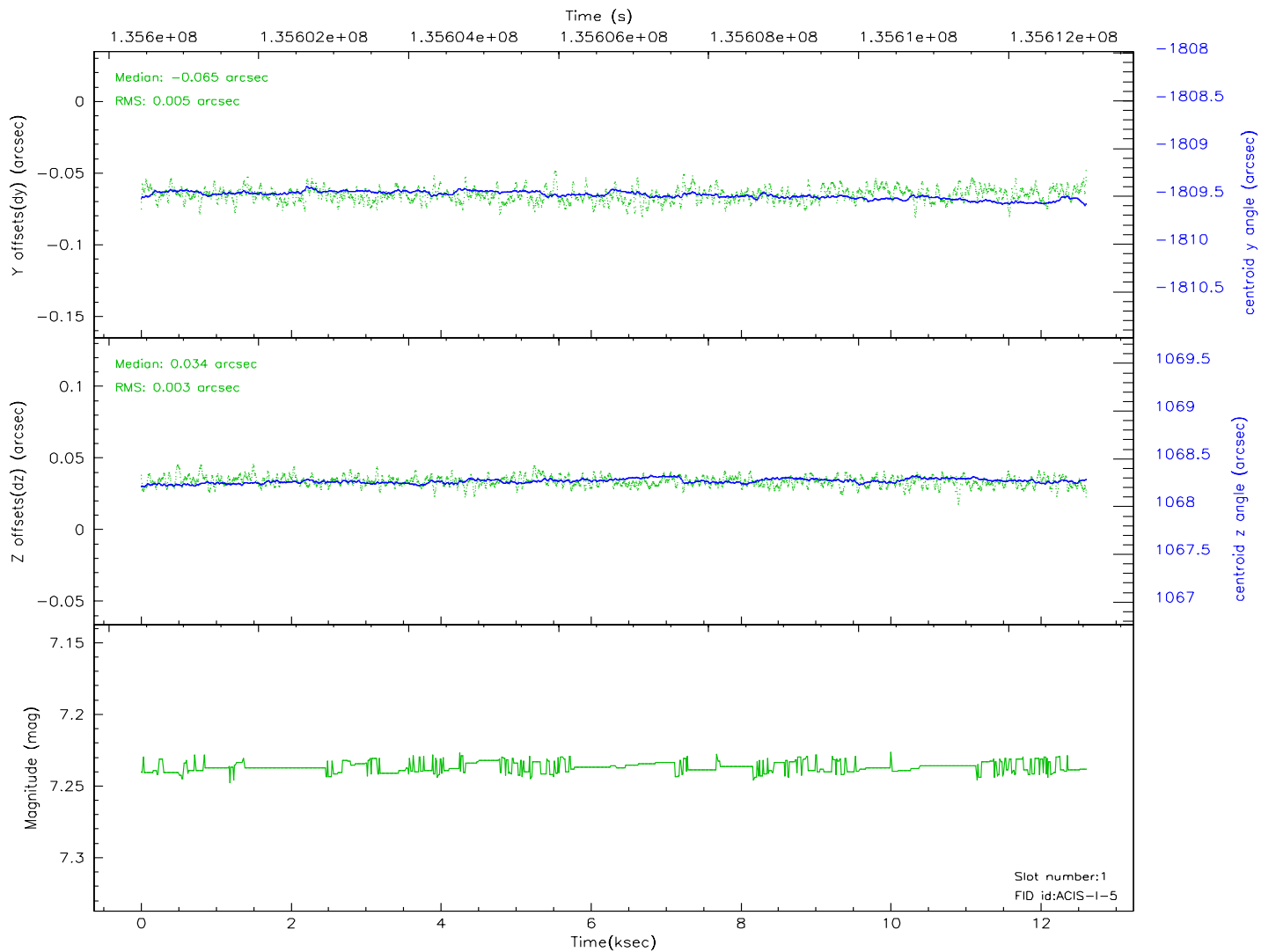
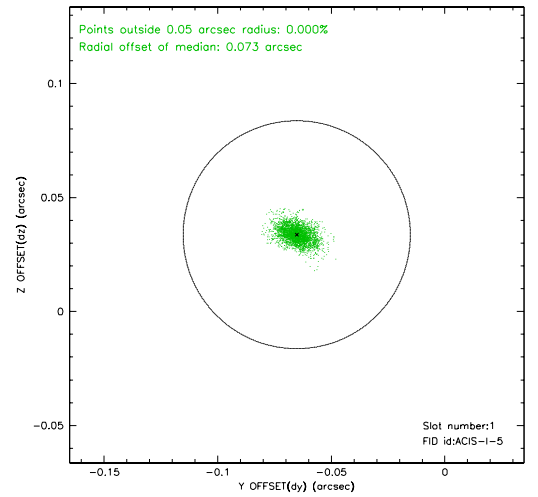
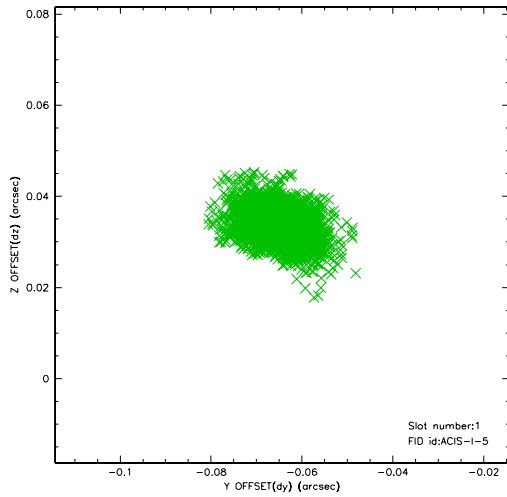


## 2.5 FID Slots

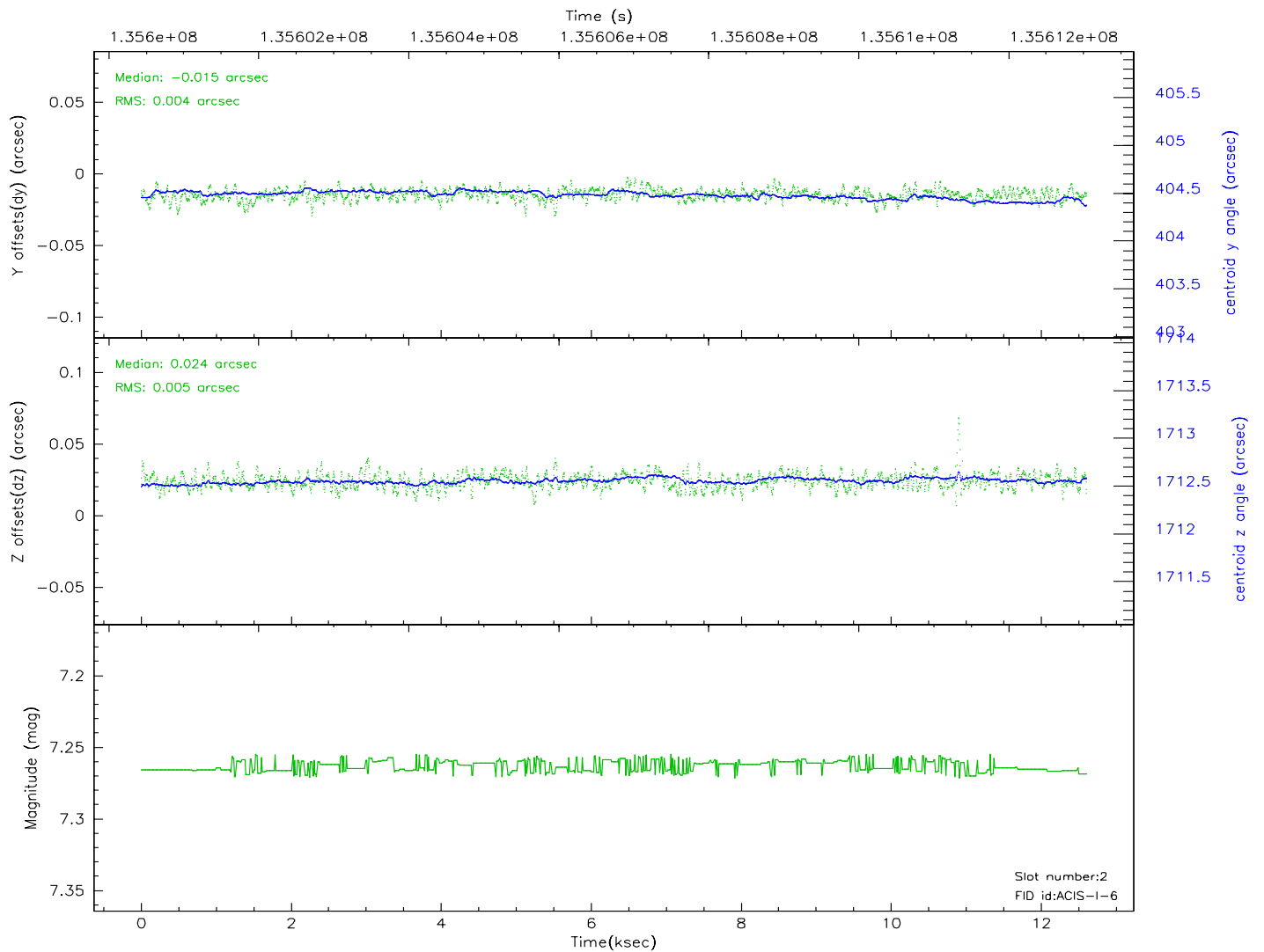
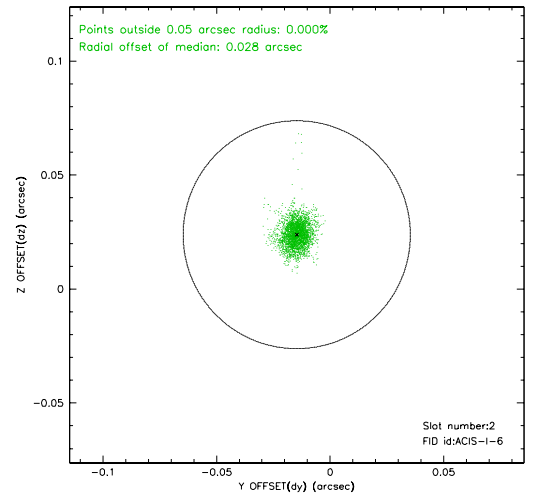
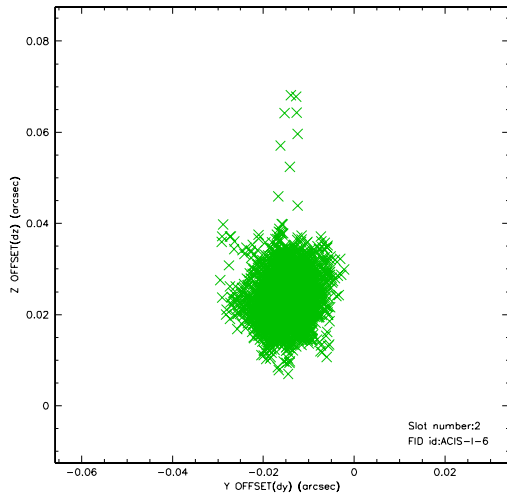
### 2.5.1 Slot 0



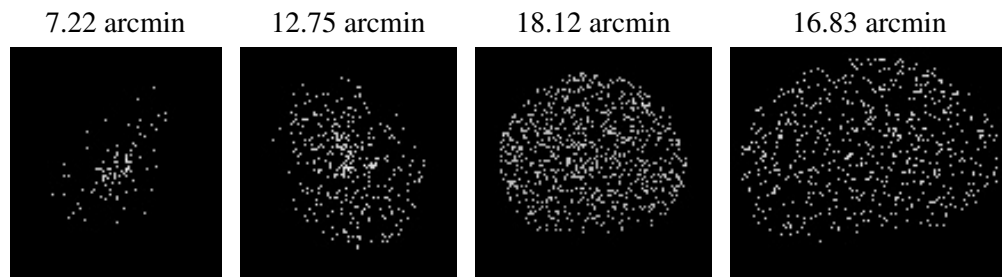
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2008.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.941

## A.2 Comments

Charge time for this ObsId remains at original value of 11.941 ks, although with the current processing the charge time would have been 11.972 ksec.

Monitor constraint met. This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at ~2002:109:14:15:00 UT.