

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2944 - L2 Version 001  
Chandra X-Ray Center

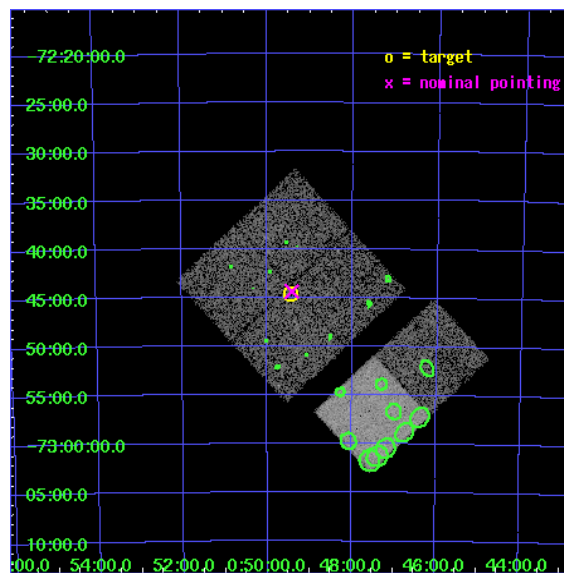
L2 Processing Date : Sep 16 2006

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# 1 Front

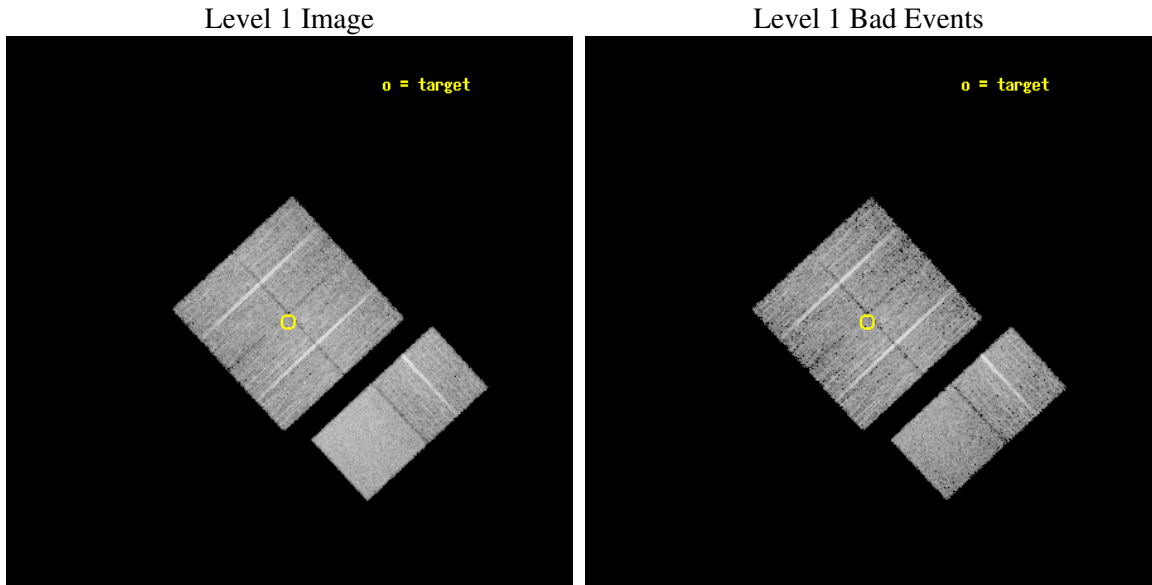
seq_num	600281
obs_id	2944
title	A CHANDRA SURVEY OF THE SMC
observer	Dr. Andreas Zezas
object	SMC FIELD 7
dtcycle	0
cycle	P
ra_targ	12.360833
dec_targ	-72.743889
ra_nom	12.354547419025
dec_nom	-72.739665642266
roll_nom	137.16527827759
revision	2
ontime	8963.1999666095
livetime	8849.7025316412
ontime0	8963.1999666095
ontime1	8963.1999666095
ontime2	8963.1999666095
ontime3	8963.1999666095
ontime6	8963.1999666095
ontime7	8963.1999666095
l2events	56997



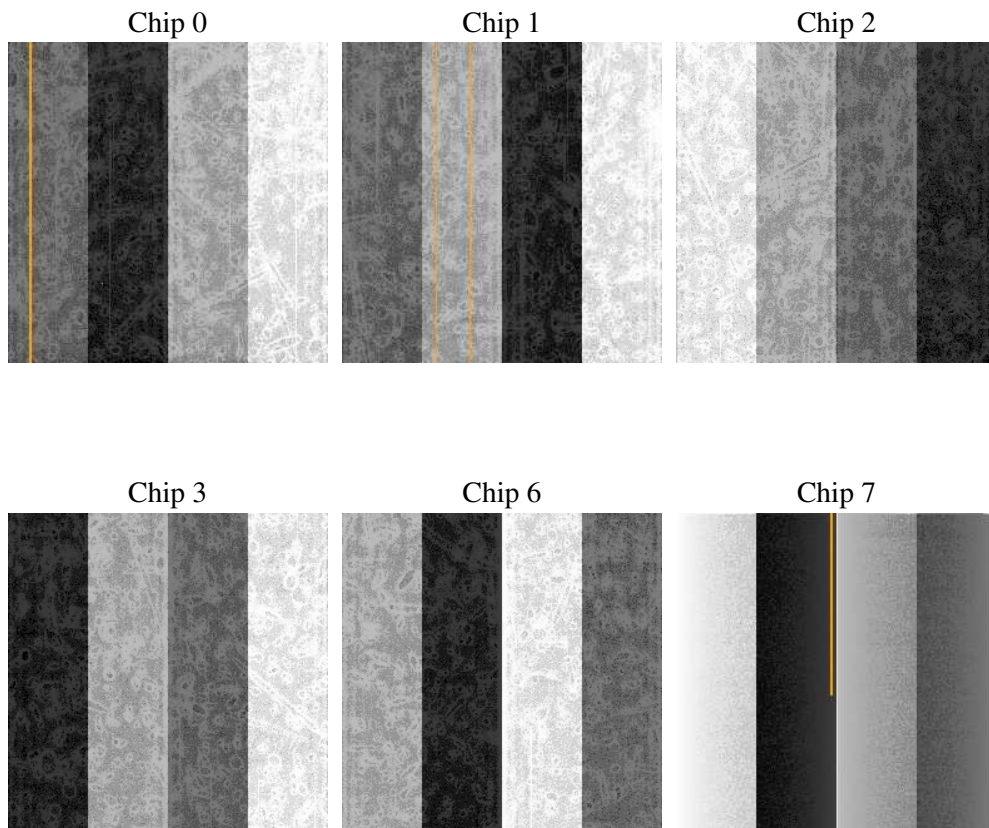
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-16T19:29:56
revision	2

sched_exp_time	9000.000000
ontime	8967.8496061563
ontime0	8967.8496061563
ontime1	8967.8496061563
ontime2	8967.8496061563
ontime3	8967.8496061563
ontime6	8967.8496061563
ontime7	8967.8496061563
l1events	345538

### 2.1.4 Events

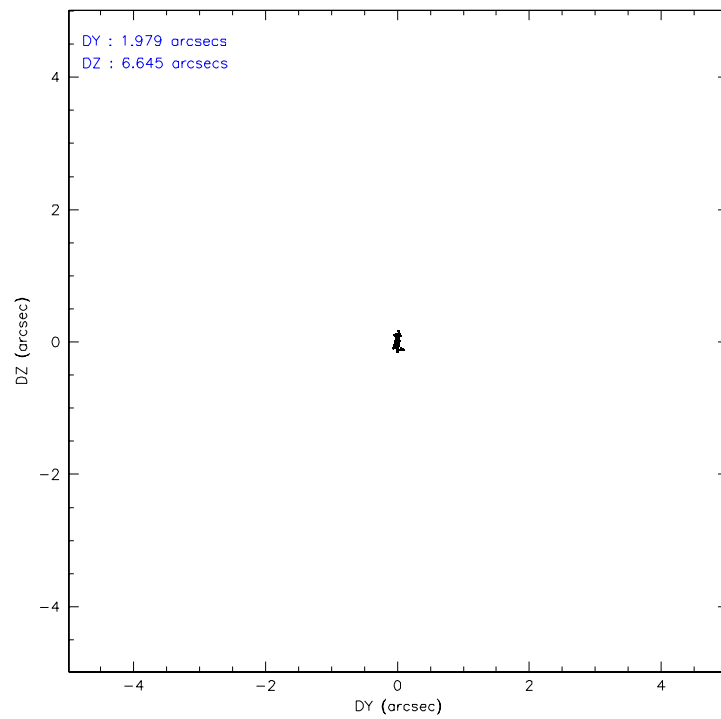
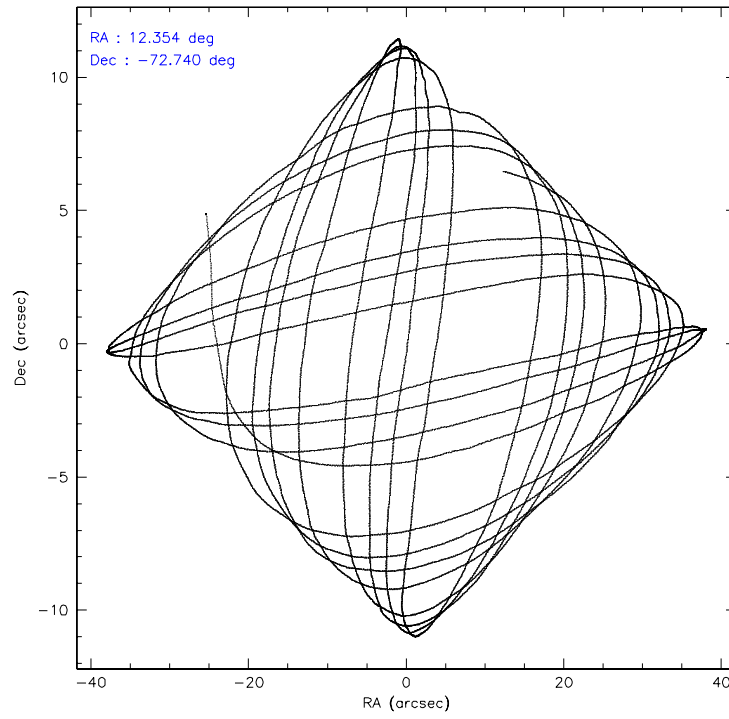
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	49806	51257	55885	56844	58684	73062
rejected events	42821	44225	49270	49968	51997	44803
rejected %	85%	86%	88%	87%	88%	61%

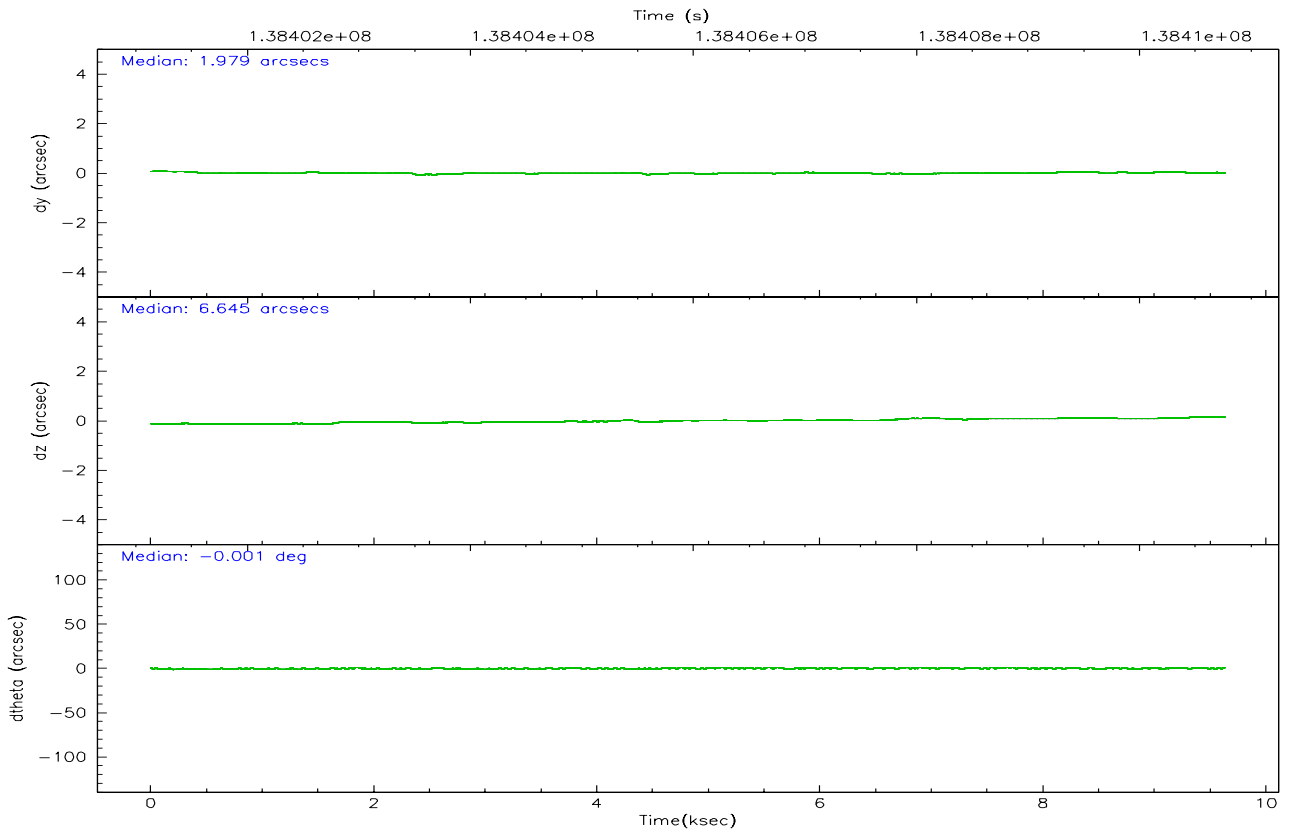
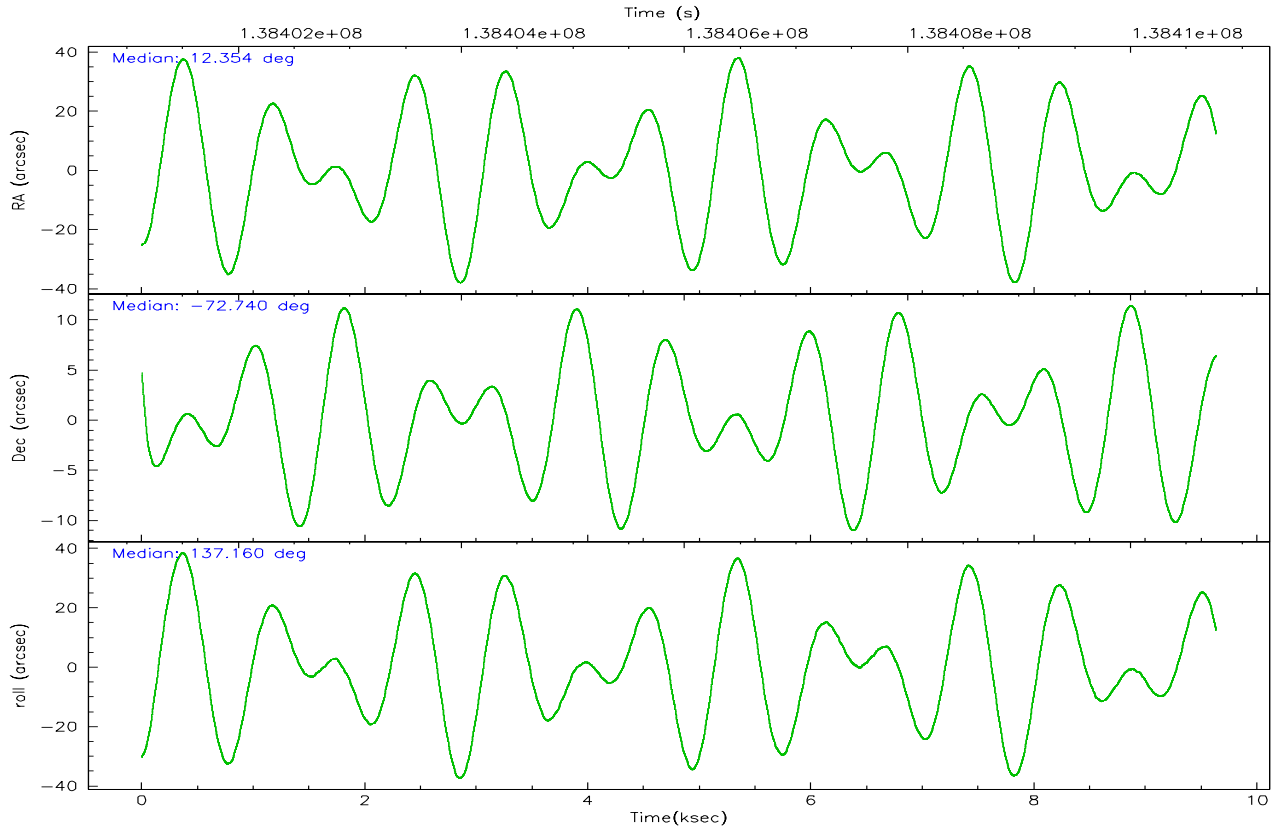
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2971	2925	2943	3109	2641	1753
	5%	5%	5%	5%	4%	2%
grade 1 events	18	39	30	22	32	42
	0%	0%	0%	0%	0%	0%
grade 2 events	1473	1508	1462	1304	1385	6797
	2%	2%	2%	2%	2%	9%
grade 3 events	632	659	583	640	709	1547
	1%	1%	1%	1%	1%	2%
grade 4 events	646	668	568	638	653	1461
	1%	1%	1%	1%	1%	1%
grade 5 events	2112	2263	1972	2235	2419	5009
	4%	4%	3%	3%	4%	6%
grade 6 events	1267	1274	1061	1188	1304	16707
	2%	2%	1%	2%	2%	22%
grade 7 events	40687	41921	47266	47708	49541	39746
	81%	81%	84%	83%	84%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	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	12.444516	12.35454741902532	Subarray requested	NONE	NONE
Pointing Dec	-72.745618	-72.73966564226635	Alternating exposures requested	N	N
Pointing Roll	137.042517	137.1652782775894	Primary exposure time	0.000000	3.2
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	138401771.184000	138400586.95465			
Observation start date	2002-05-21T20:55:07	2002-05-21T20:36:26			
Observation end time	138410771.184000	138411342.28009			
Observation end date	2002-05-21T23:25:07	2002-05-21T23:35:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect



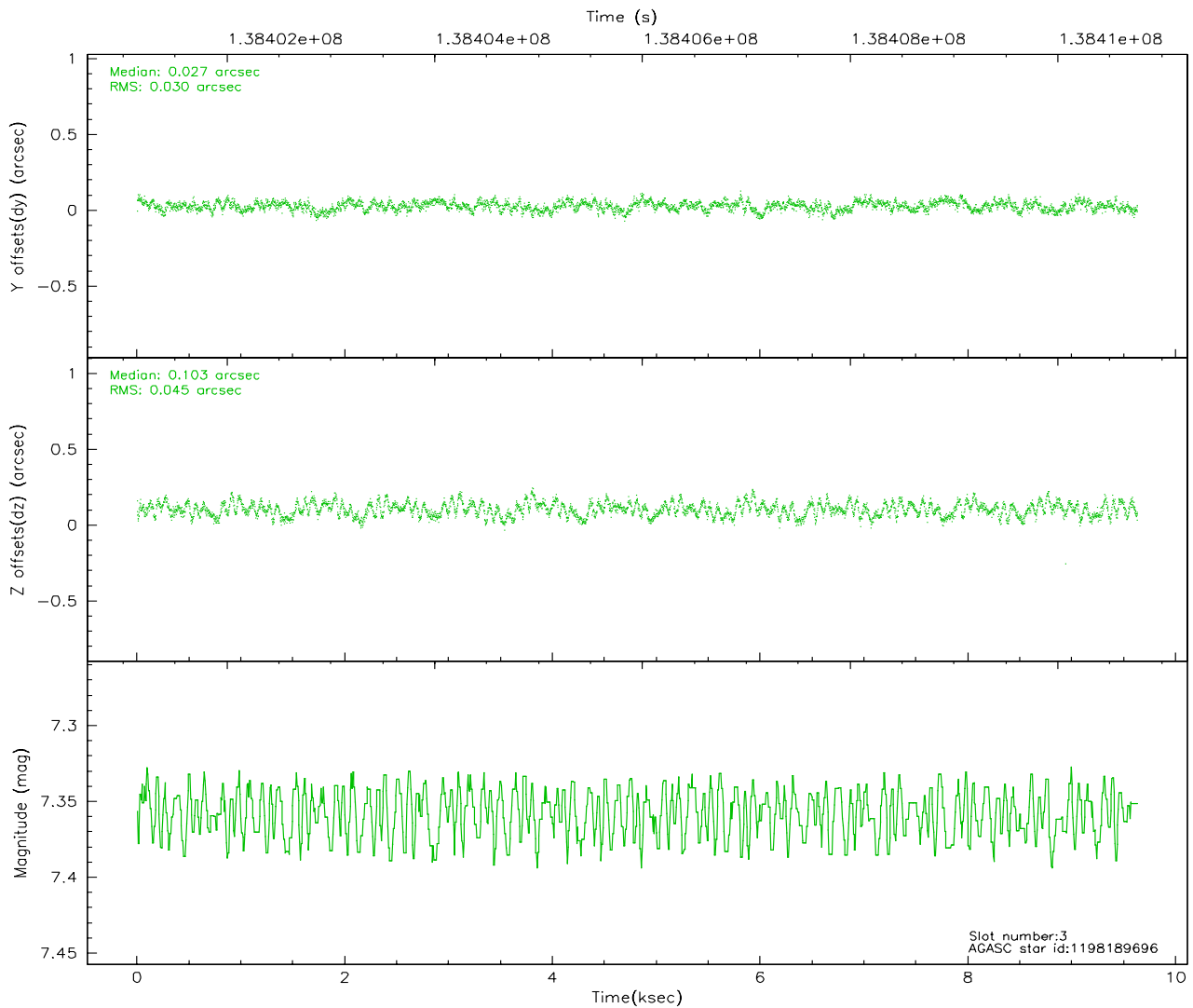
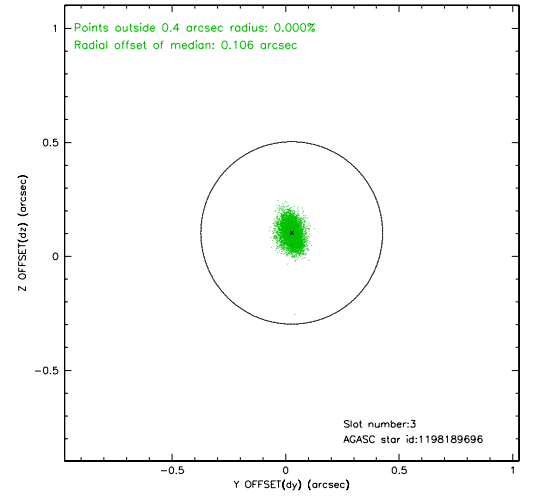
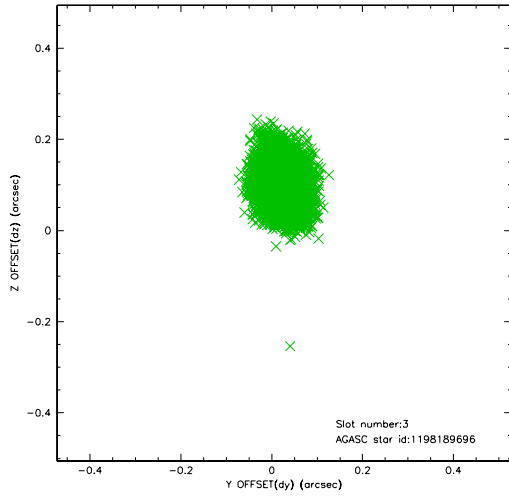


### Slot Statistics

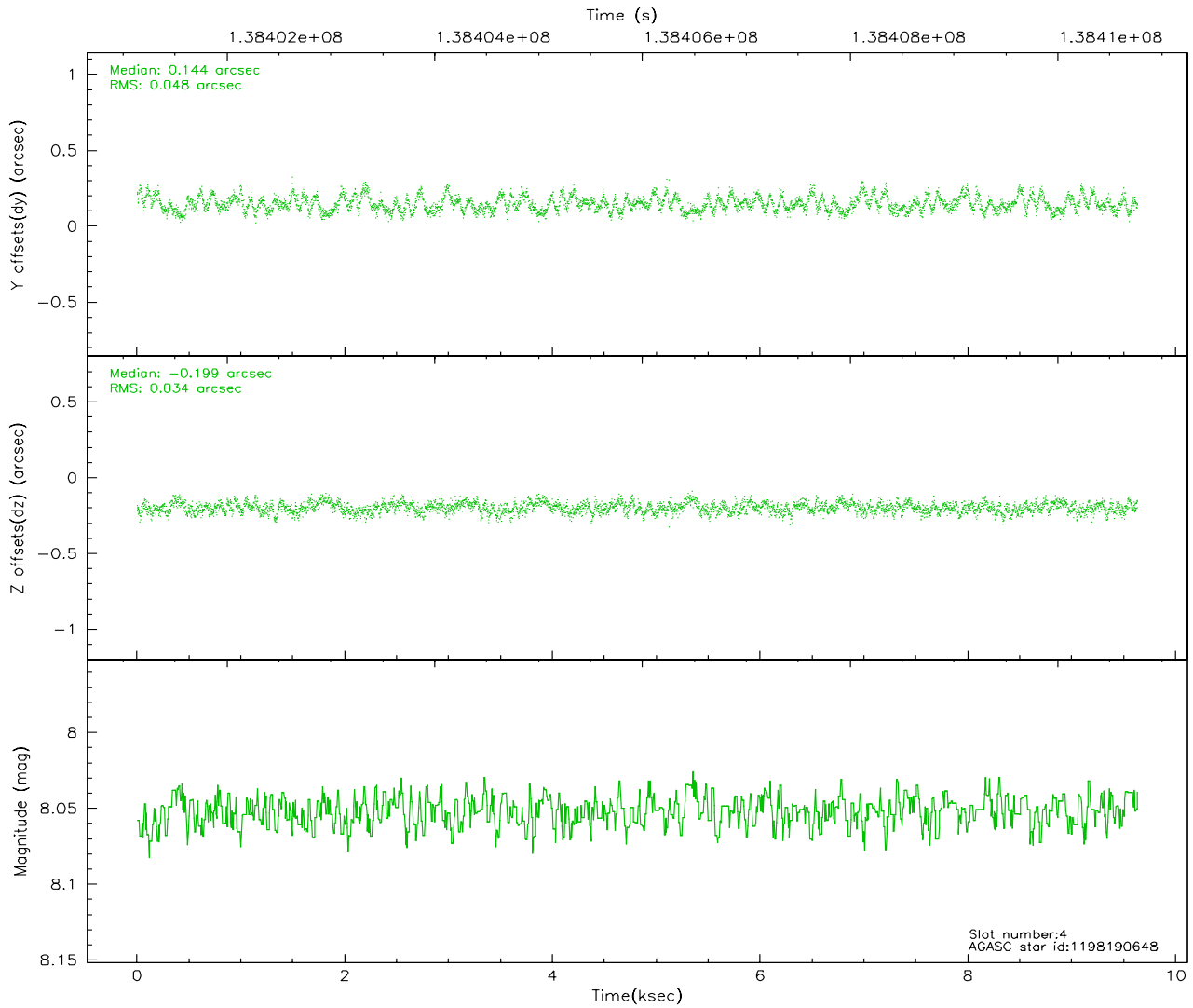
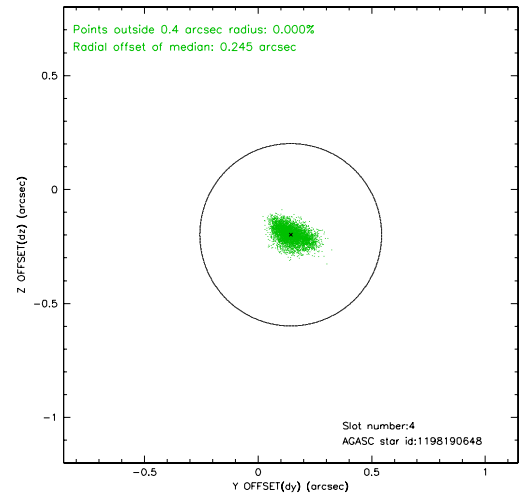
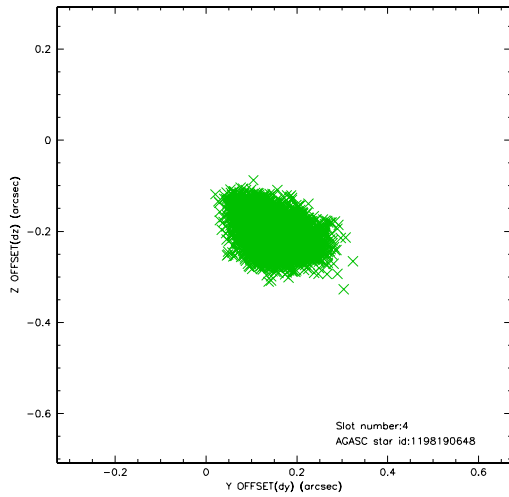
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2350	-0.029	0.045	0.006	0.010	0.000000	0.000000	937.79	-830.00
1	FID	ACIS-I-5	7.24	2350	-0.012	0.037	0.006	0.010	0.000000	0.000000	-1809.95	1067.26
2	FID	ACIS-I-6	7.27	2350	-0.050	-0.011	0.007	0.012	0.000000	0.000000	402.77	1712.30
3	GUIDE	1198189696	7.36	4700	0.027	0.103	0.058	0.091	15.223750	-72.697522	-2105.53	-2103.94
4	GUIDE	1198190648	8.05	4700	0.144	-0.199	0.064	0.103	12.344115	-73.478663	-1723.38	2000.32
5	GUIDE	1197751048	8.59	4698	-0.141	0.182	0.066	0.113	12.451586	-72.130600	1503.12	-1625.37
6	GUIDE	1198191400	8.37	4697	-0.051	-0.196	0.073	0.115	11.617890	-72.595865	1015.24	215.66
7	GUIDE	1197740448	10.09	4688	0.025	0.111	0.153	0.253	11.121728	-72.248718	2271.26	-308.19

## 2.4 Star Slots

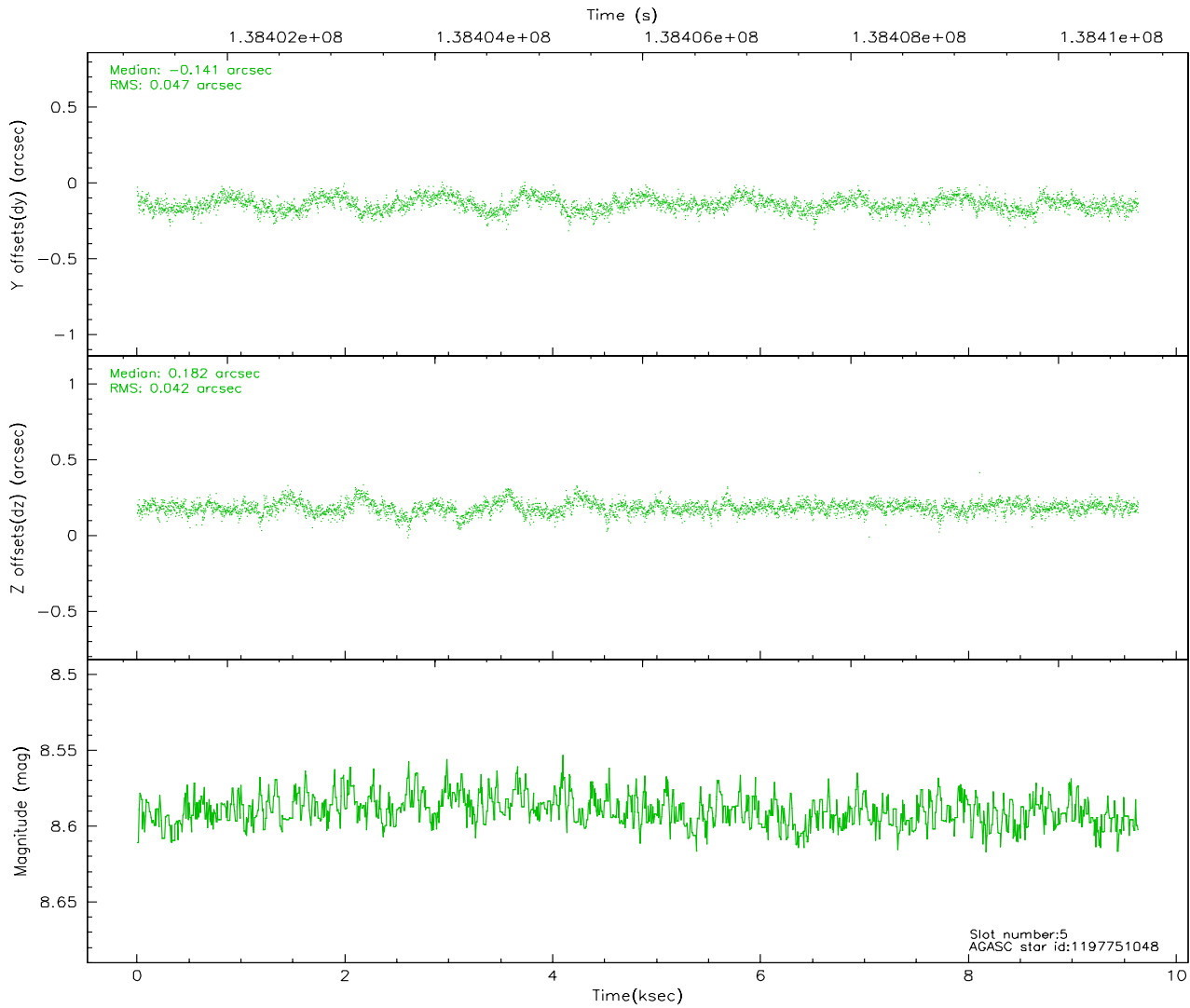
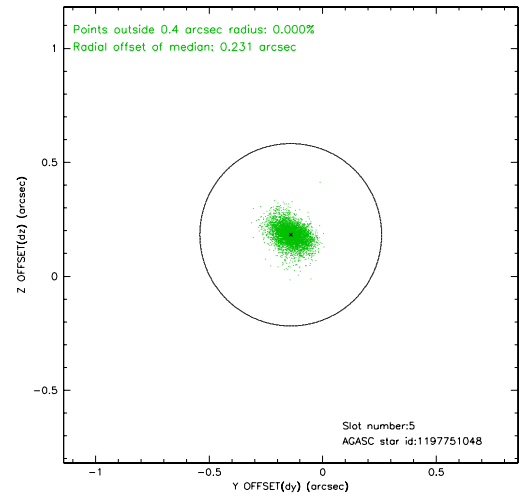
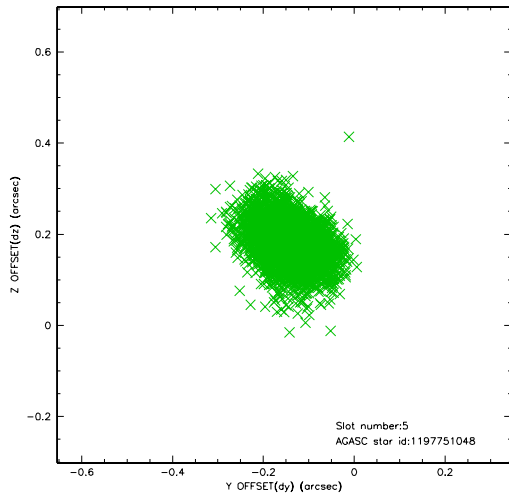
### 2.4.1 Slot 3



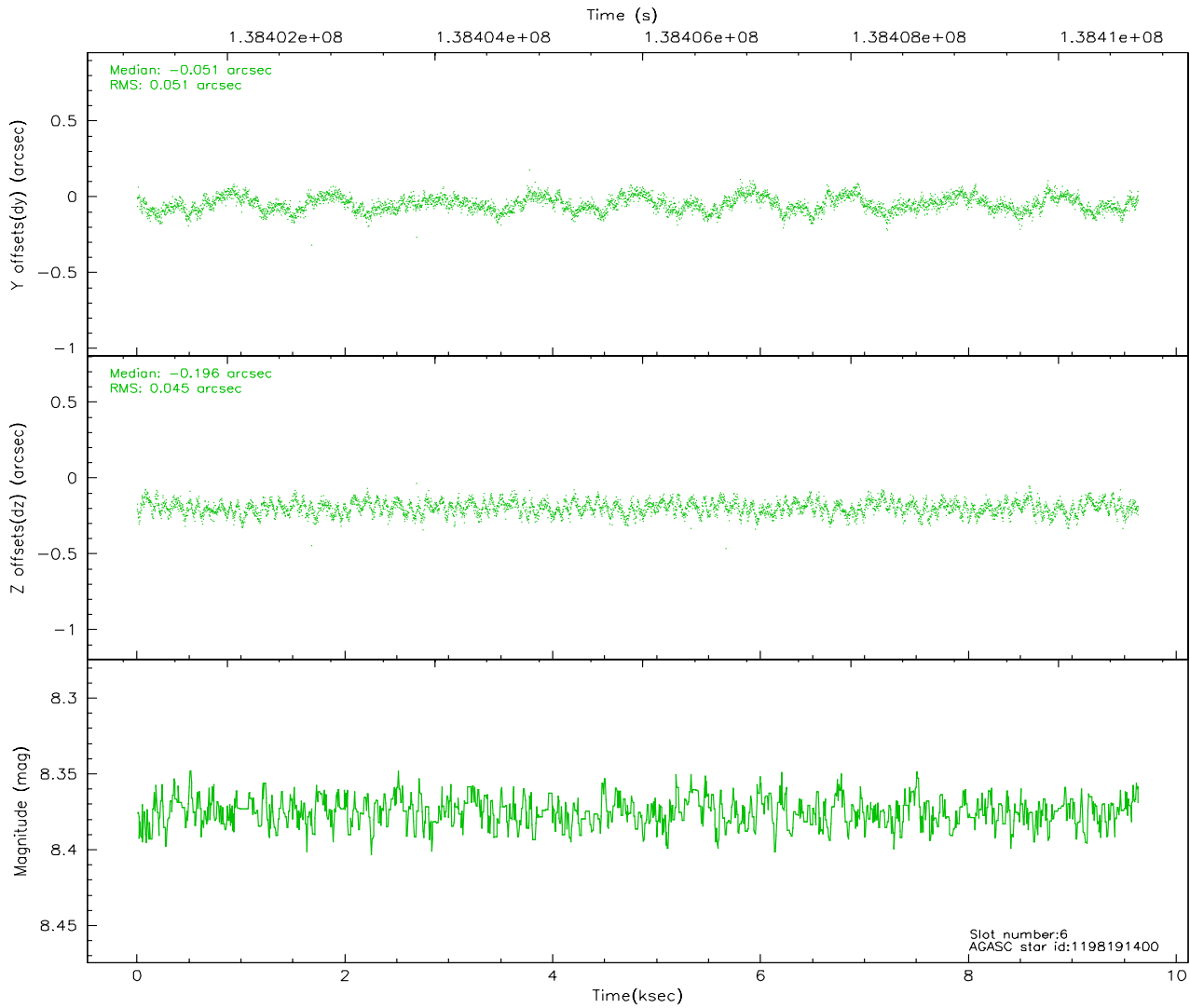
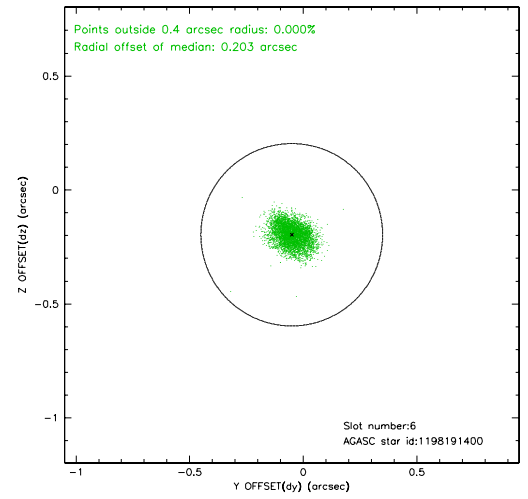
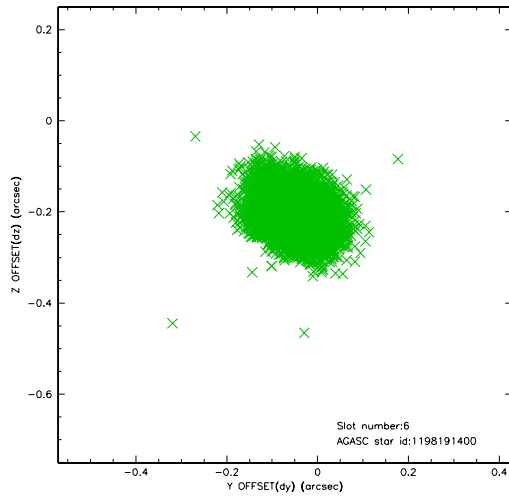
## 2.4.2 Slot 4



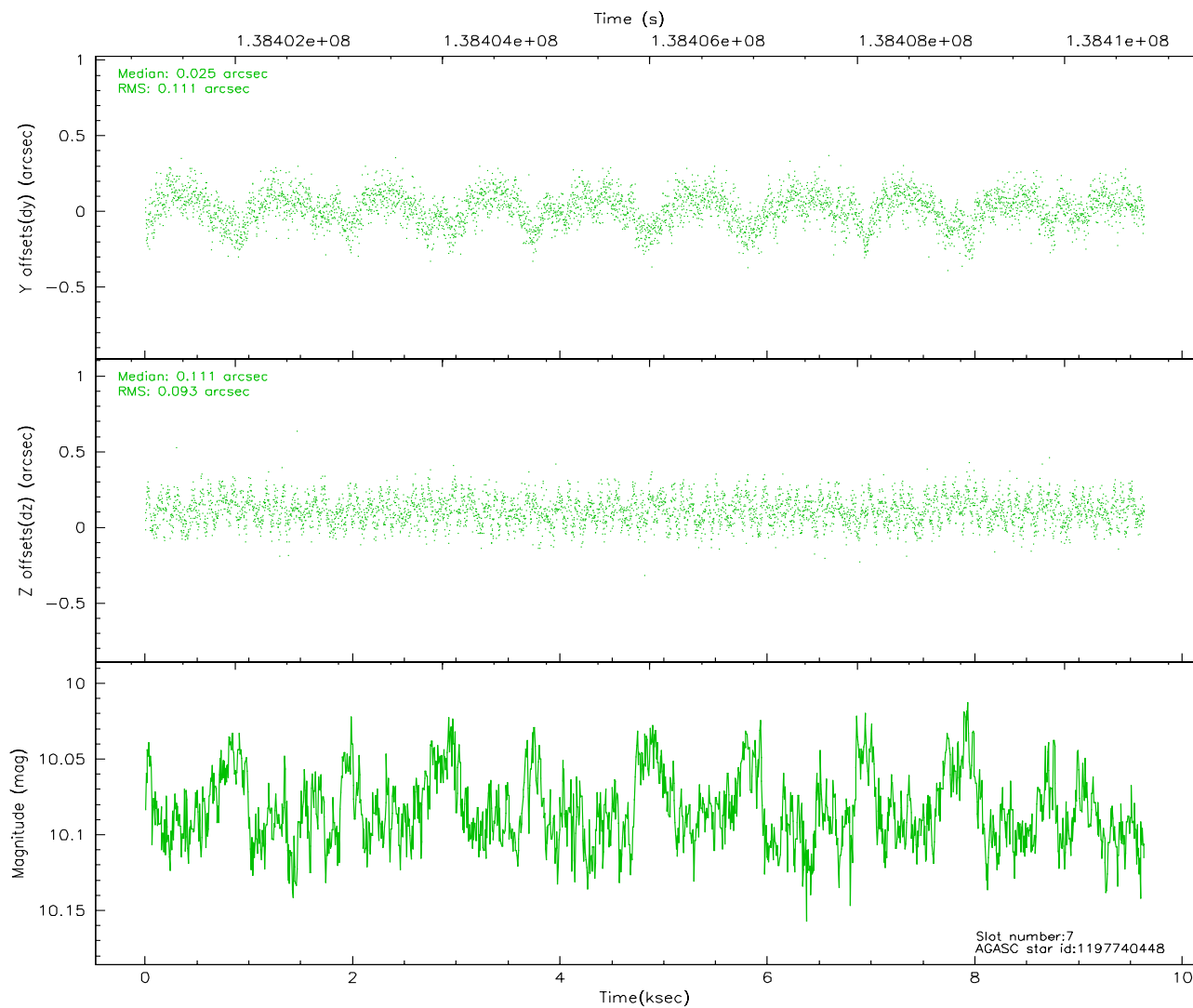
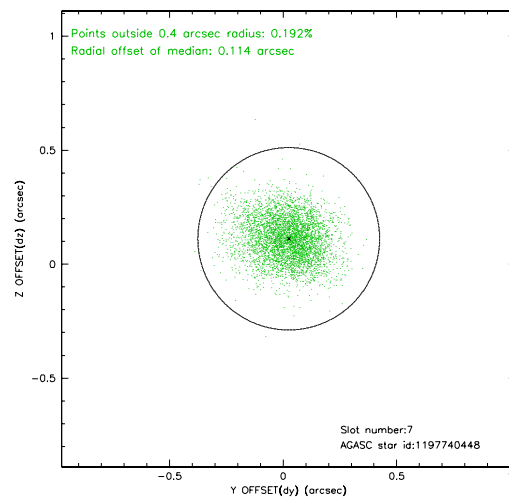
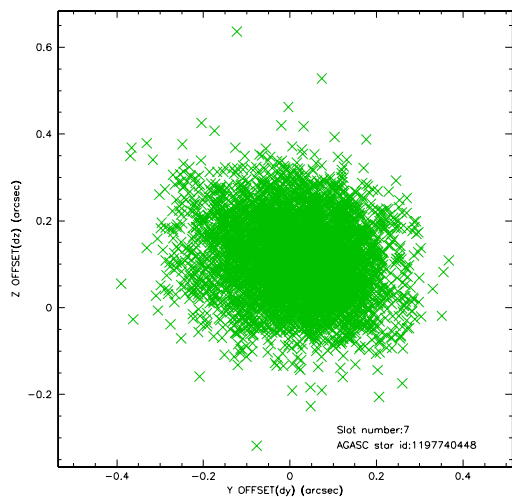
### 2.4.3 Slot 5



### 2.4.4 Slot 6

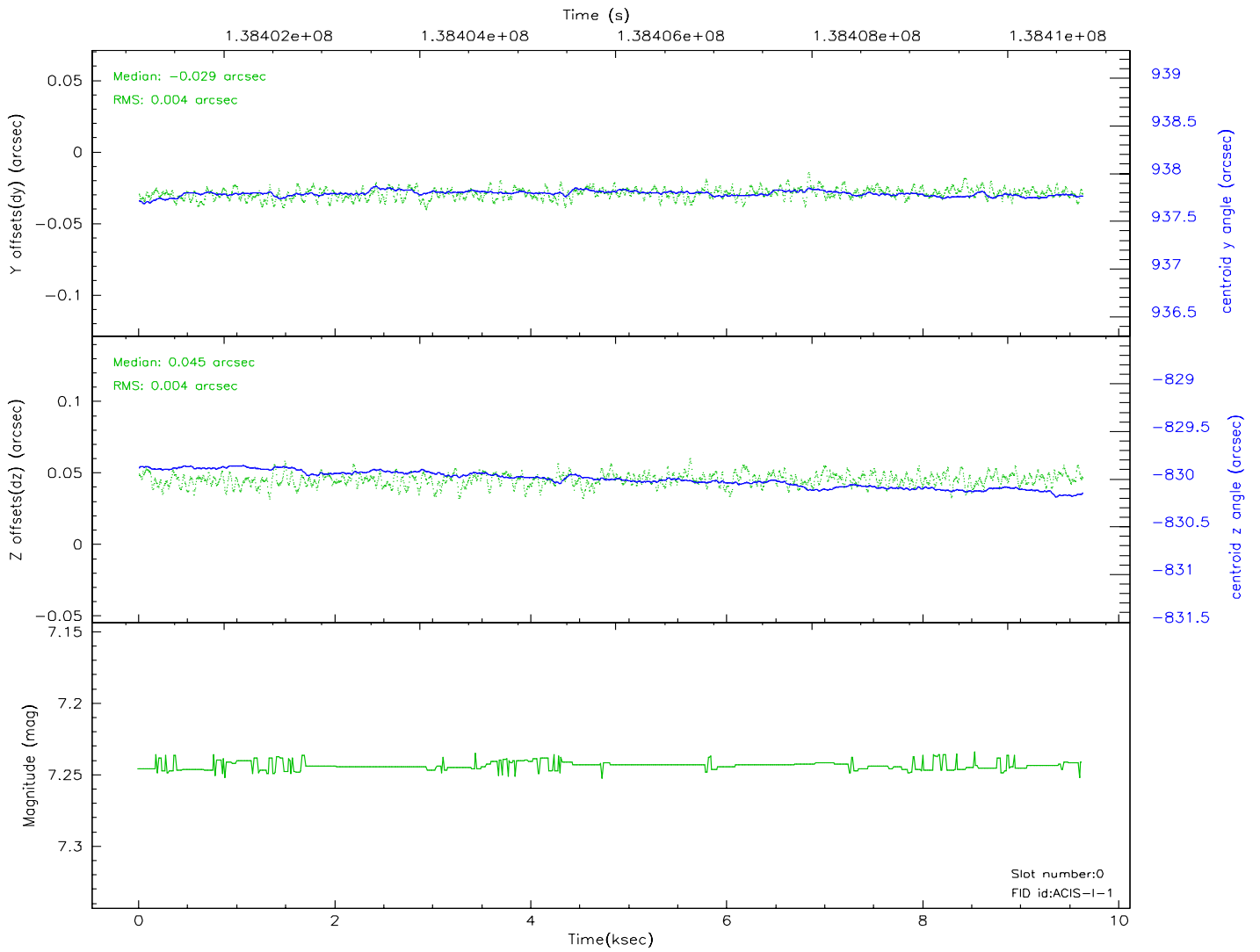
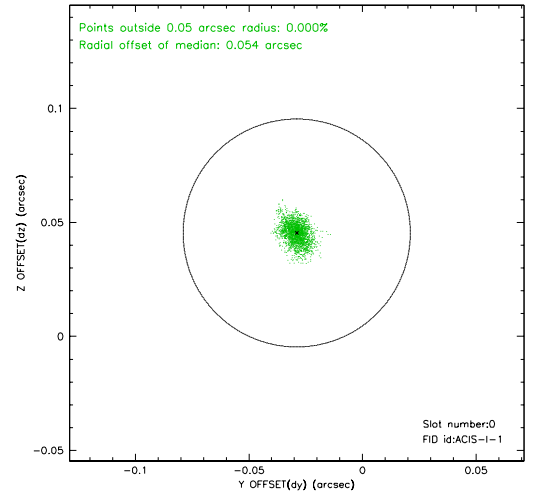
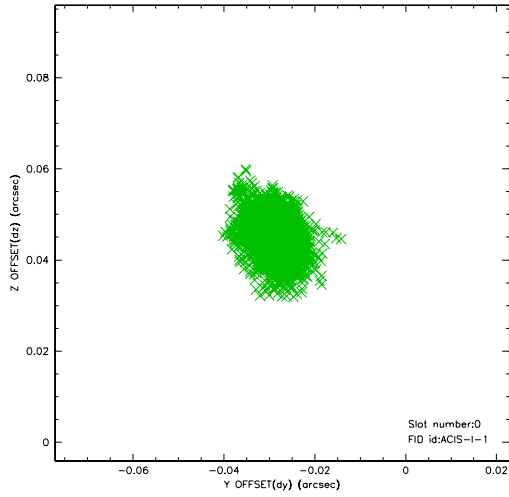


## 2.4.5 Slot 7

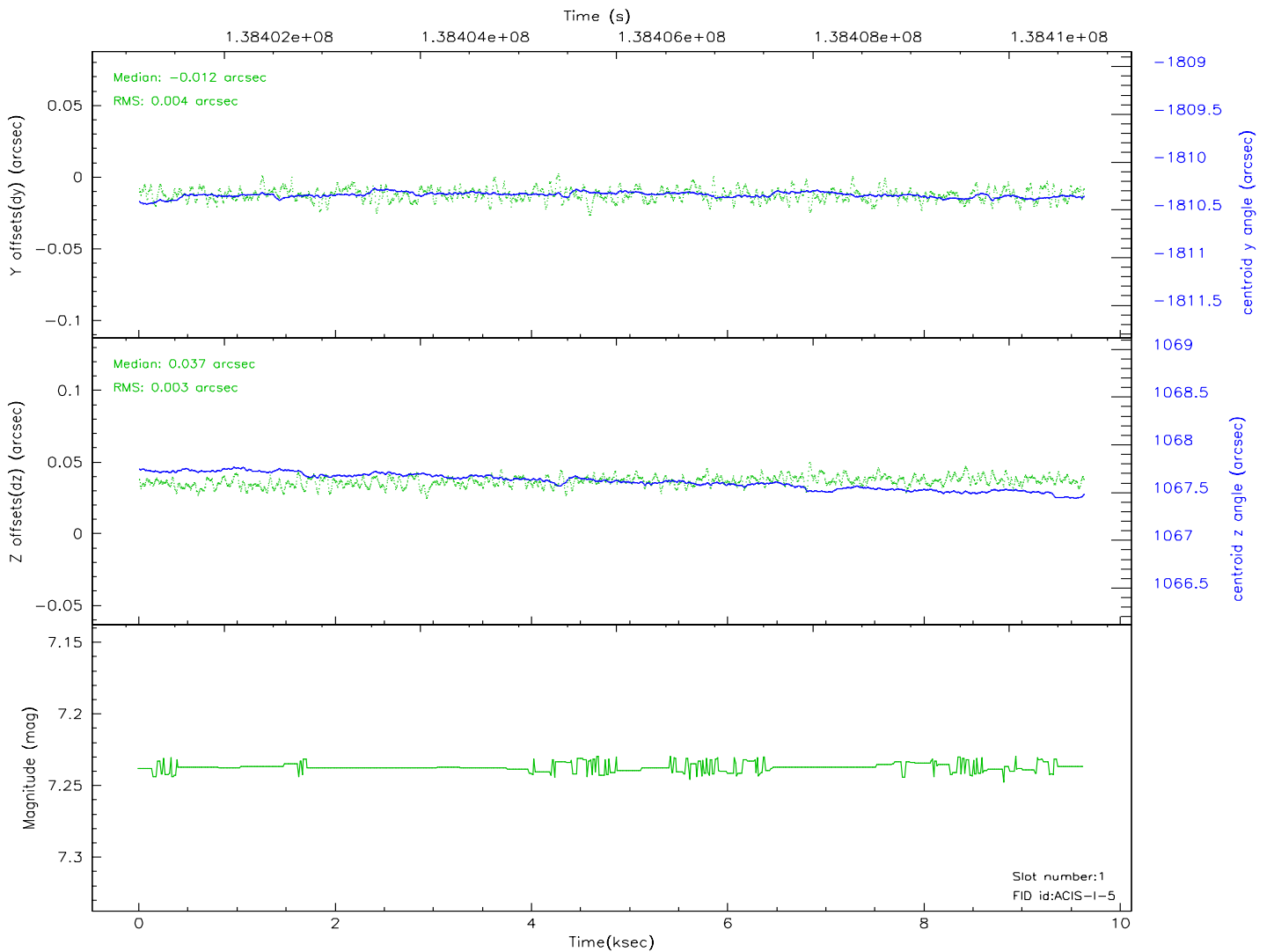
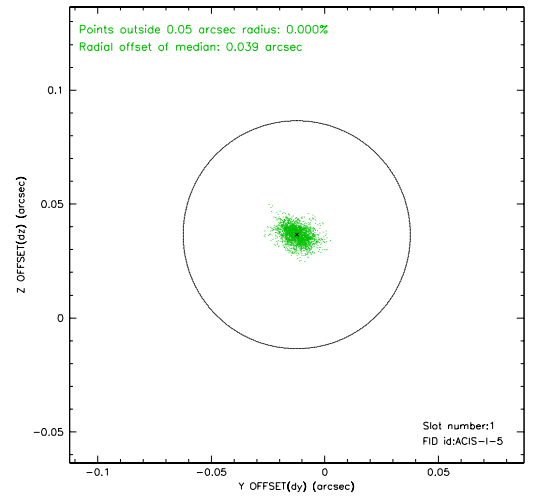
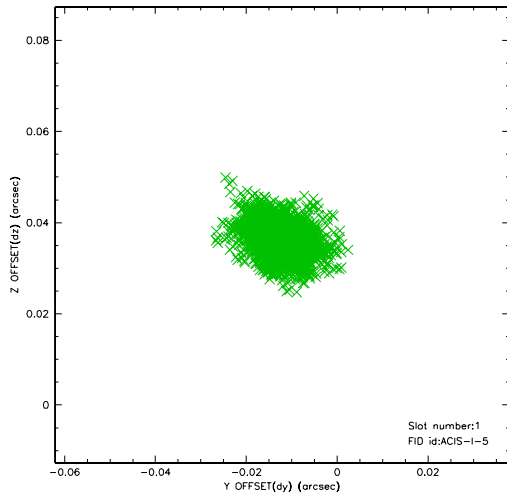


## 2.5 FID Slots

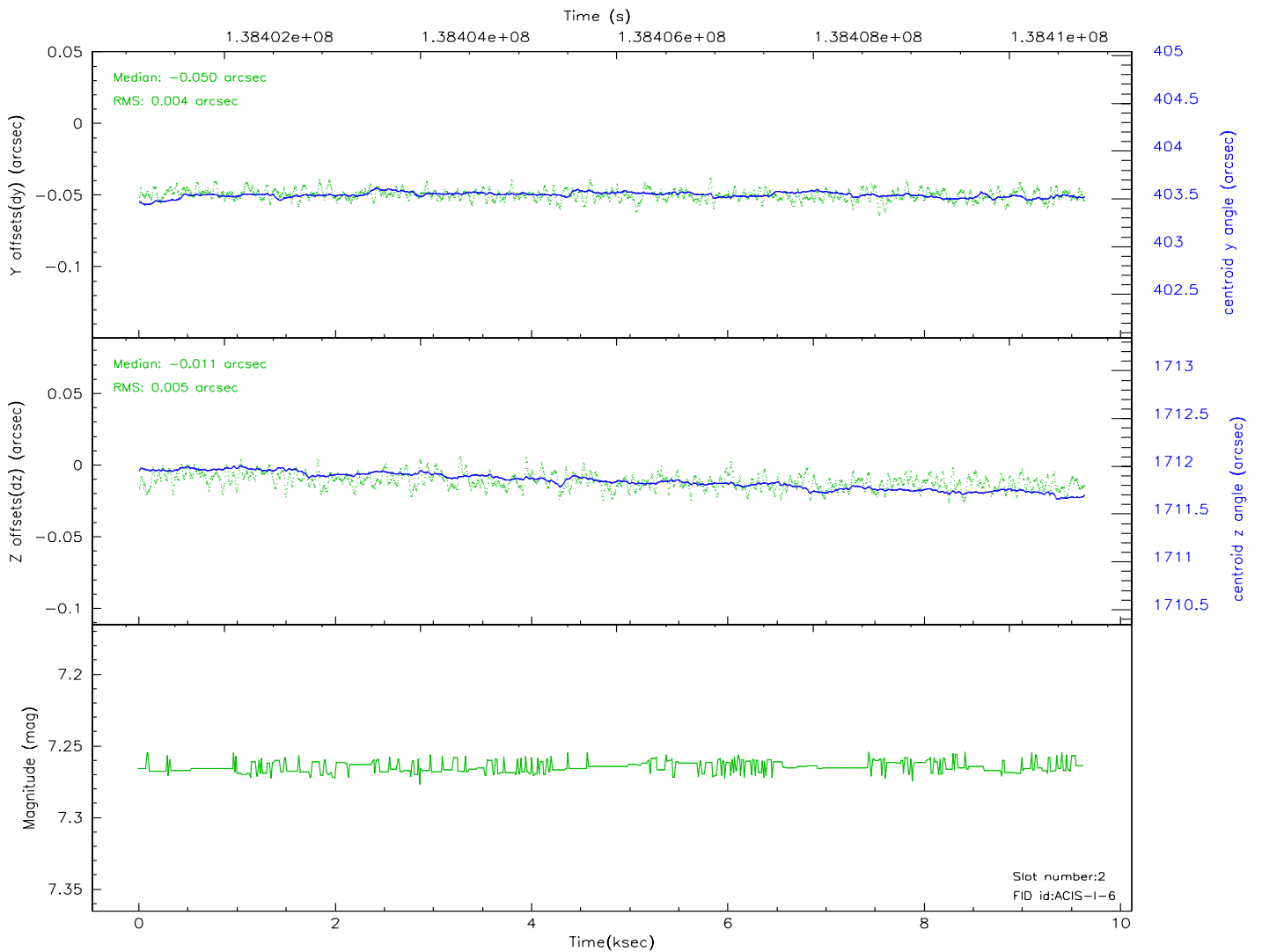
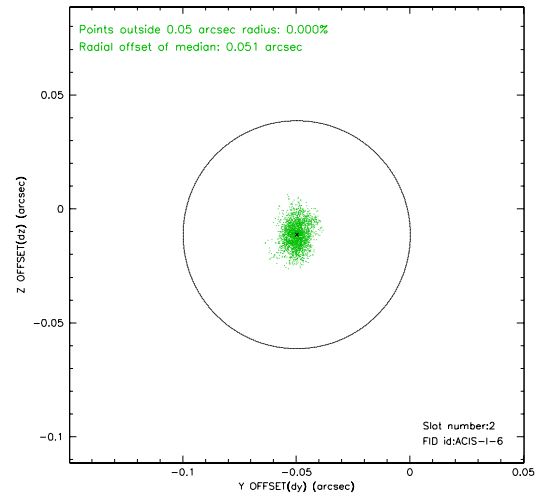
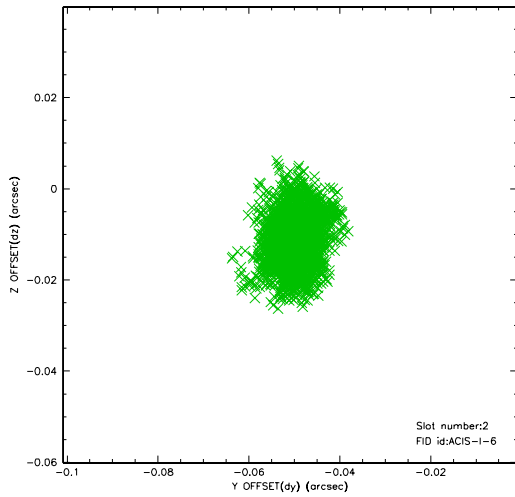
### 2.5.1 Slot 0



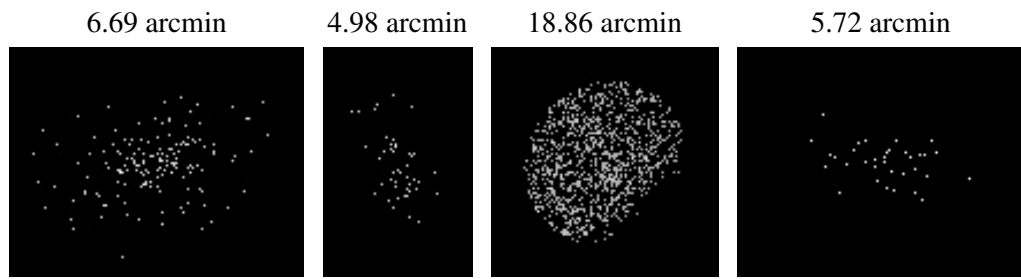
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.963

## A.2 Comments