

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4186 - L2 Version 001  
Chandra X-Ray Center

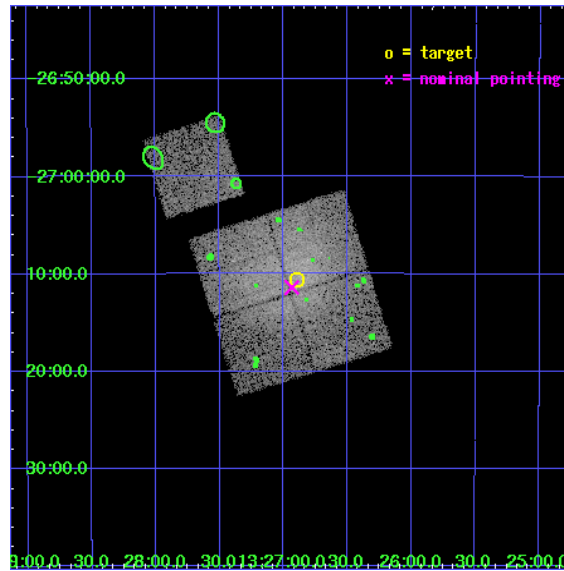
L2 Processing Date : Aug 4 2006

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# 1 Front

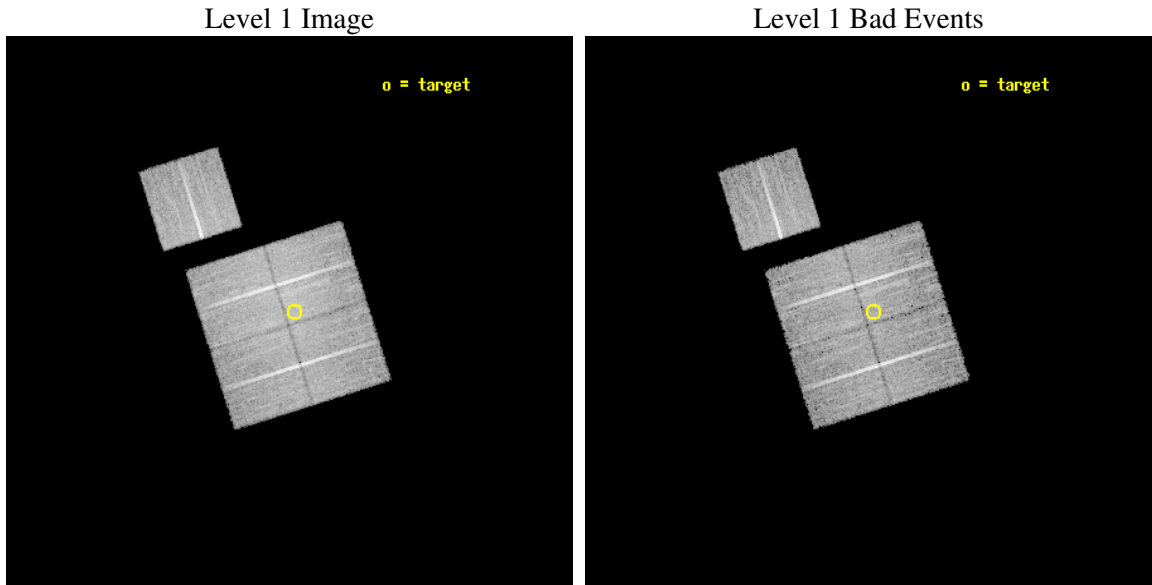
seq_num	800342
obs_id	4186
title	THE HIFLUGCS CLUSTER SURVEY: A CORNERSTONE FOR COSMOLOGY
observer	Dr. Craig Sarazin
object	A1736
dtcycle	0
cycle	P
ra_targ	201.72375
dec_targ	-27.176528
ra_nom	201.73378133819
dec_nom	-27.189954500187
roll_nom	342.57326754475
revision	2
ontime	15115.558980674
livetime	14918.063074678
ontime0	15118.699970931
ontime1	15118.699970931
ontime2	15118.699970931
ontime3	15115.558980674
ontime6	15115.558970779
l2events	63746



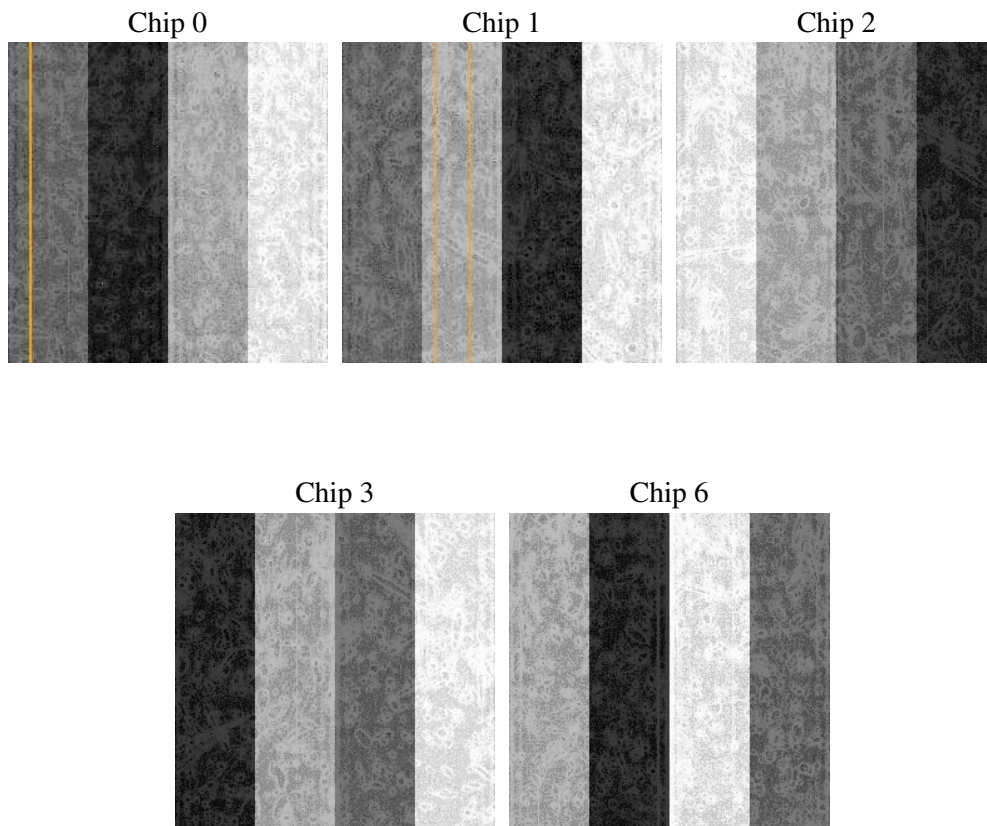
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-04T21:40:23
revision	2

sched_exp_time	15000.000000
ontime	15120.823159426
ontime0	15123.964149684
ontime1	15123.964149684
ontime2	15123.964149684
ontime3	15120.823159426
ontime6	15120.823149532
l1events	419656

### 2.1.4 Events

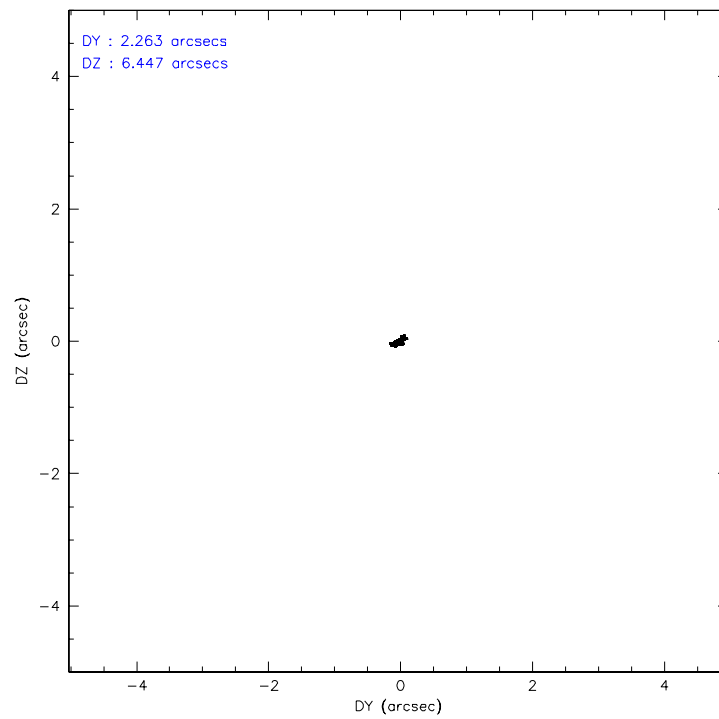
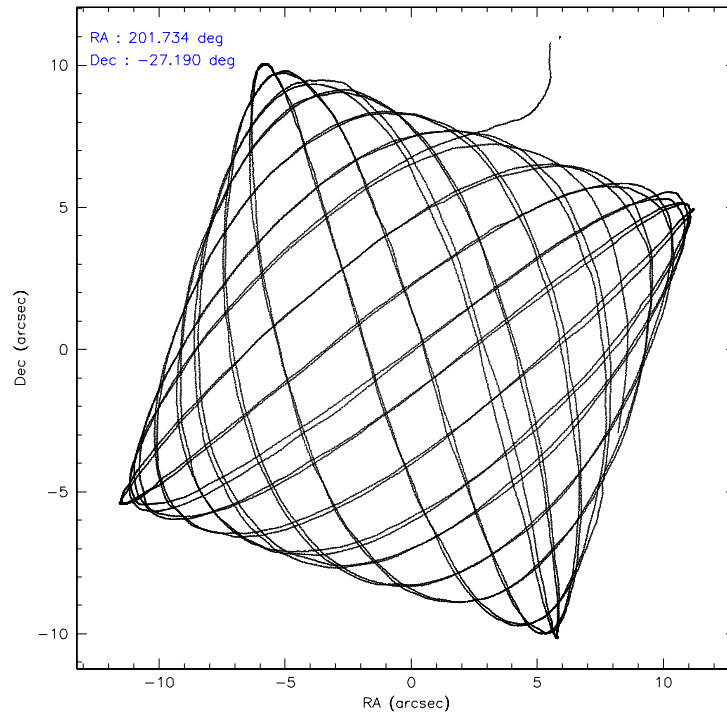
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	76597	77075	92340	91968	81676
rejected events	65010	63650	74128	72647	71936
rejected %	84%	82%	80%	78%	88%

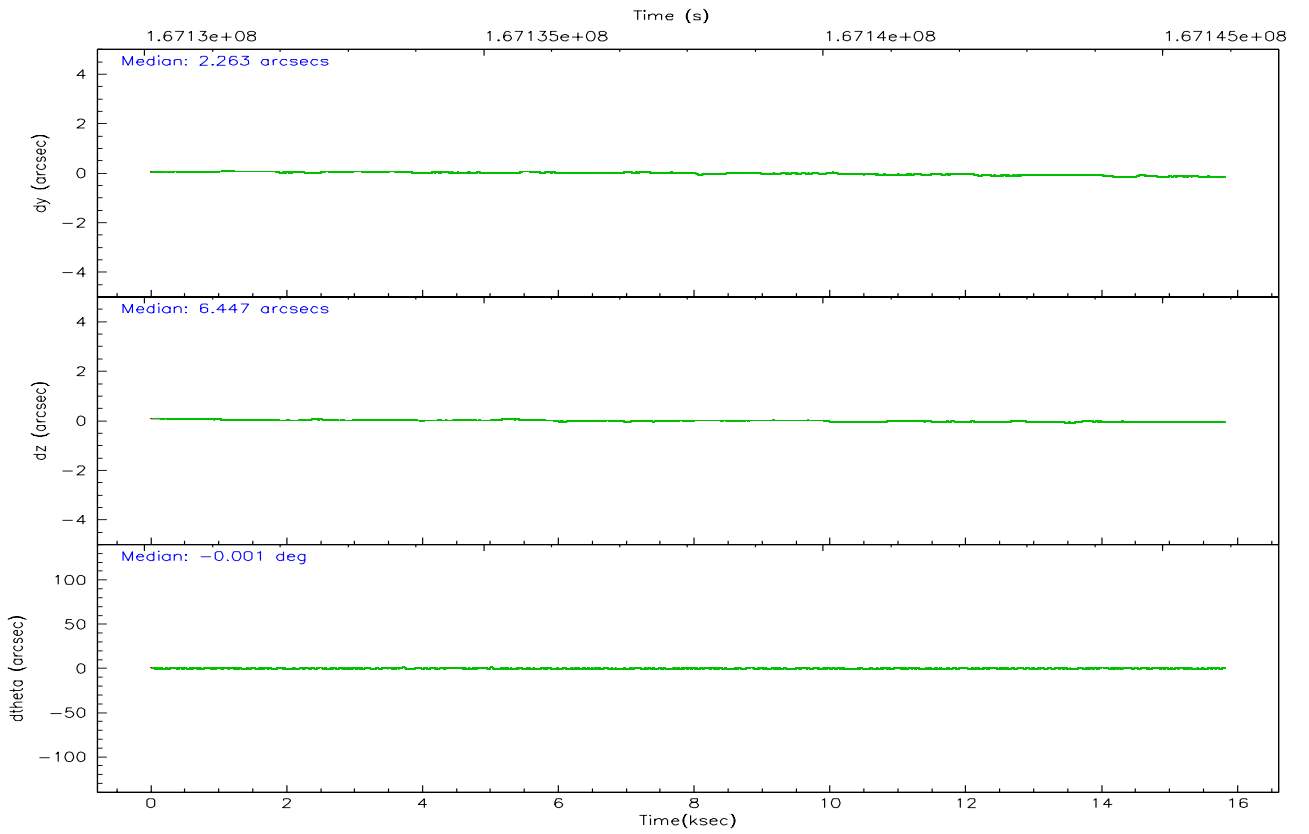
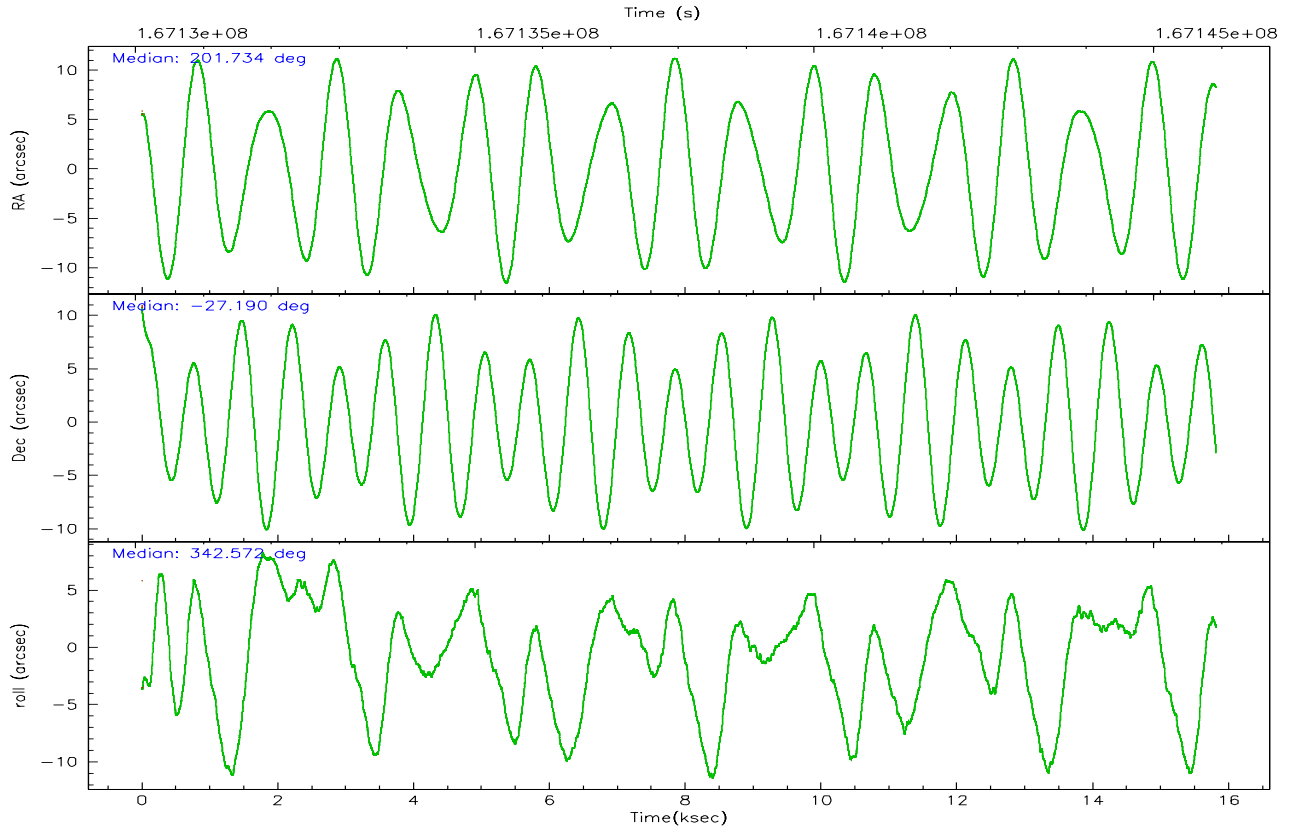
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5860	7032	11700	12626	4248
	7%	9%	12%	13%	5%
grade 1 events	56	56	72	74	37
	0%	0%	0%	0%	0%
grade 2 events	2124	2314	2667	2665	1940
	2%	3%	2%	2%	2%
grade 3 events	1101	1126	1147	1182	956
	1%	1%	1%	1%	1%
grade 4 events	968	1126	1134	1154	893
	1%	1%	1%	1%	1%
grade 5 events	2785	2972	2610	3049	3095
	3%	3%	2%	3%	3%
grade 6 events	1536	1834	1571	1708	1710
	2%	2%	1%	1%	2%
grade 7 events	62167	60615	71439	69510	68797
	81%	78%	77%	75%	84%

## 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	201.703793	201.7337813381946	Alternating exposures requested	N	N
Pointing Dec	-27.196065	-27.18995450018659	Primary exposure time	0.000000	3.1
Pointing Roll	342.350880	342.5732675447507			
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	167130916.184000	167129643.31087			
Observation start date	2003-04-19T09:14:12	2003-04-19T08:54:03			
Observation end time	167145916.184000	167147193.36161			
Observation end date	2003-04-19T13:24:12	2003-04-19T13:46:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



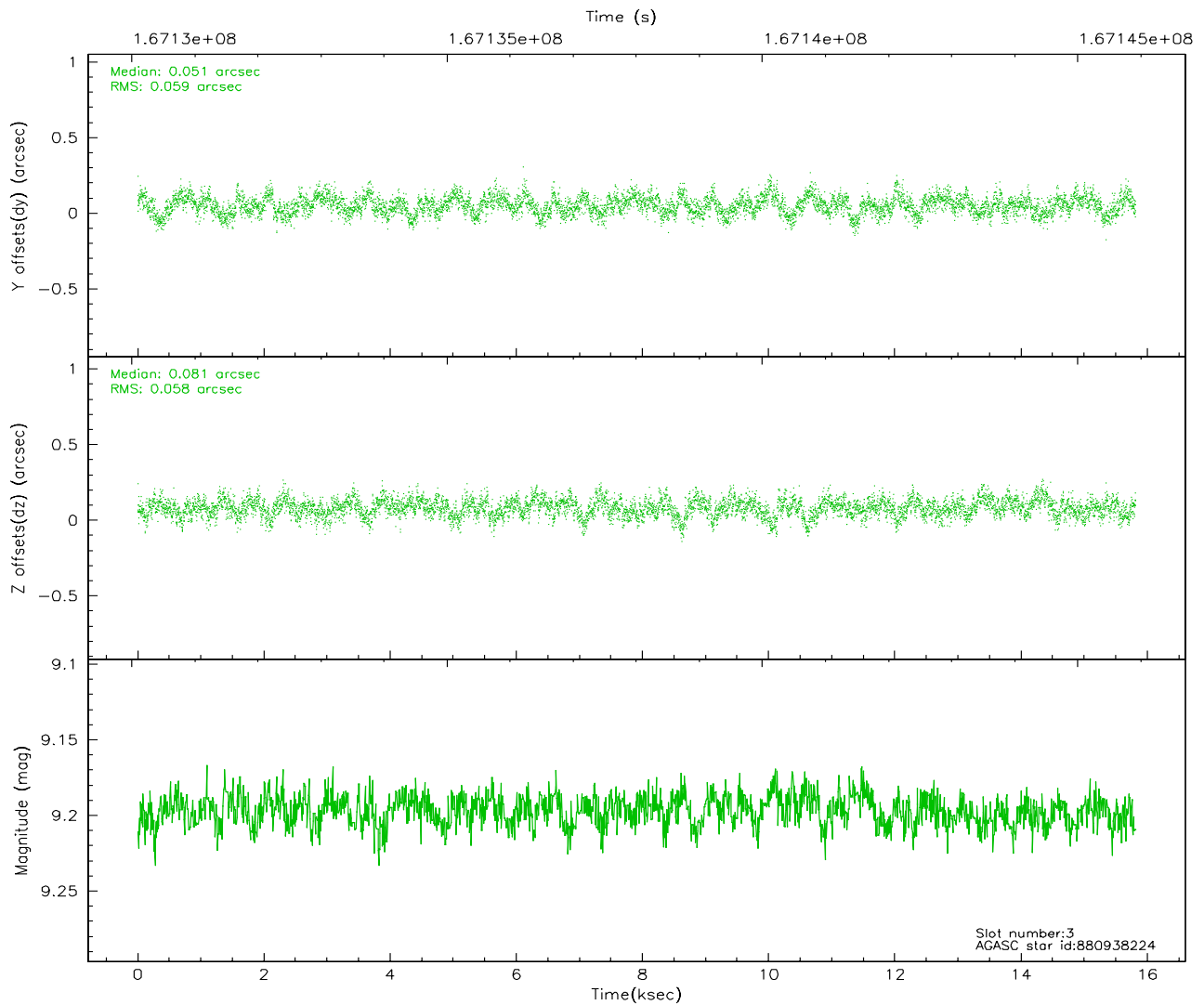
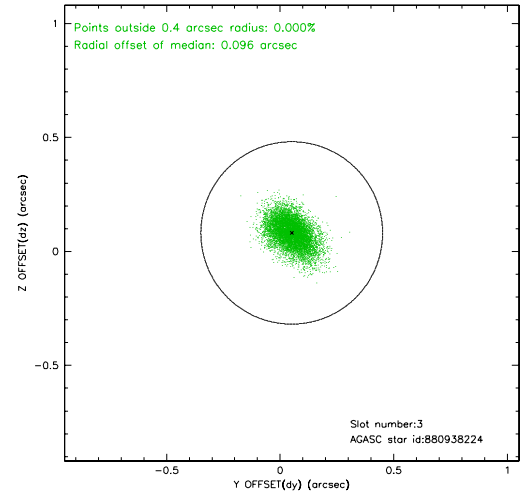
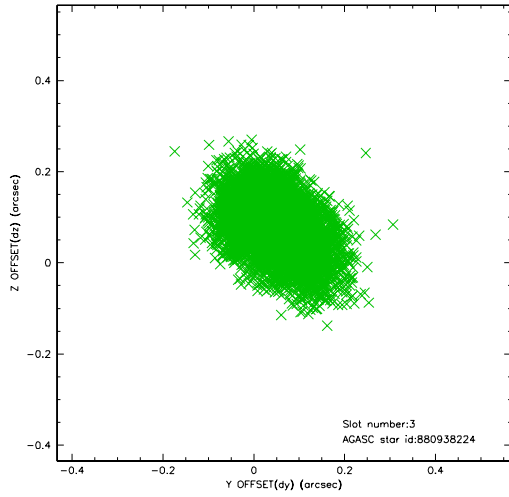


### Slot Statistics

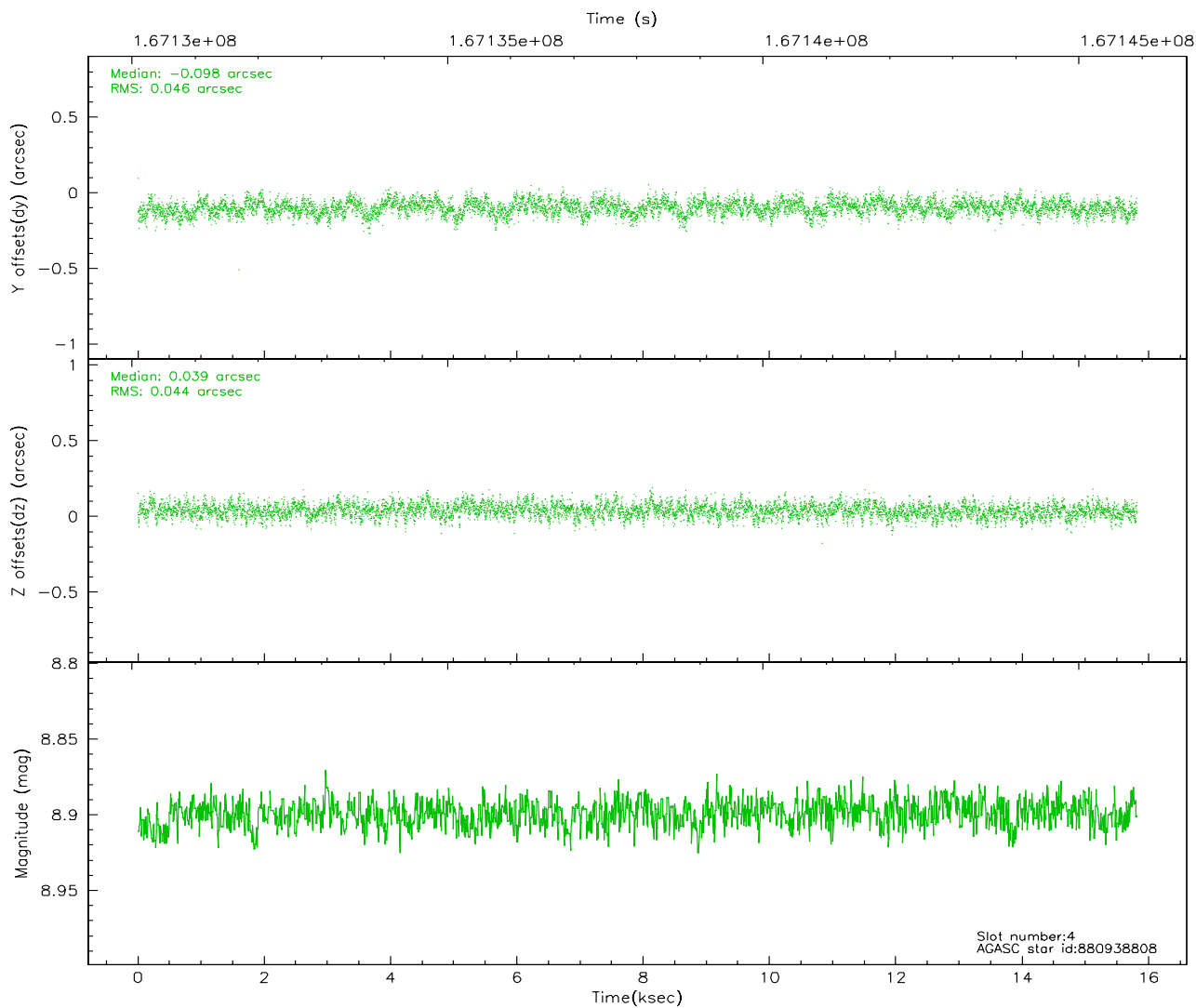
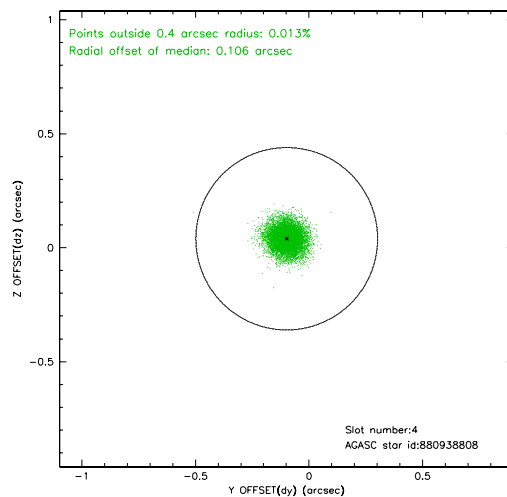
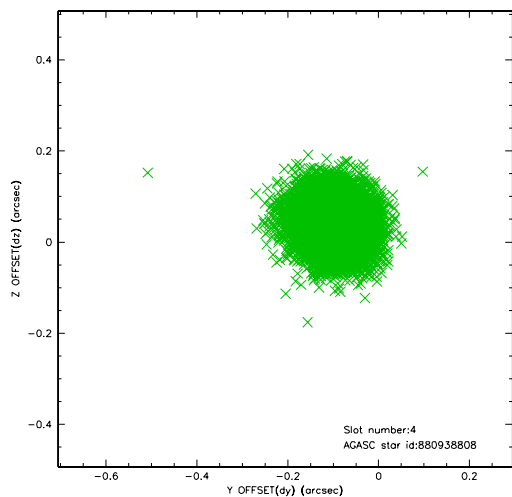
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	3858	-0.014	0.024	0.006	0.010	0.000000	0.000000	937.54	-829.82
1	FID	ACIS-I-5	7.24	3856	-0.043	0.040	0.006	0.010	0.000000	0.000000	-1810.41	1067.60
2	FID	ACIS-I-6	7.26	3857	-0.035	0.005	0.007	0.011	0.000000	0.000000	402.80	1712.34
3	GUIDE	880938224	9.20	7709	0.051	0.081	0.087	0.145	201.238253	-27.148228	-1472.12	-290.64
4	GUIDE	880938808	8.90	7712	-0.098	0.039	0.068	0.109	201.379902	-27.218141	-963.61	-391.47
5	GUIDE	880939792	9.74	7710	0.010	0.025	0.140	0.228	202.282991	-27.623783	2228.85	-911.30
6	GUIDE	880943744	8.98	7711	0.007	0.024	0.102	0.167	201.130459	-27.739204	-1146.30	-2421.26
7	GUIDE	880945376	8.03	7711	0.032	-0.174	0.082	0.129	201.527731	-26.606601	-1183.26	1849.32

## 2.4 Star Slots

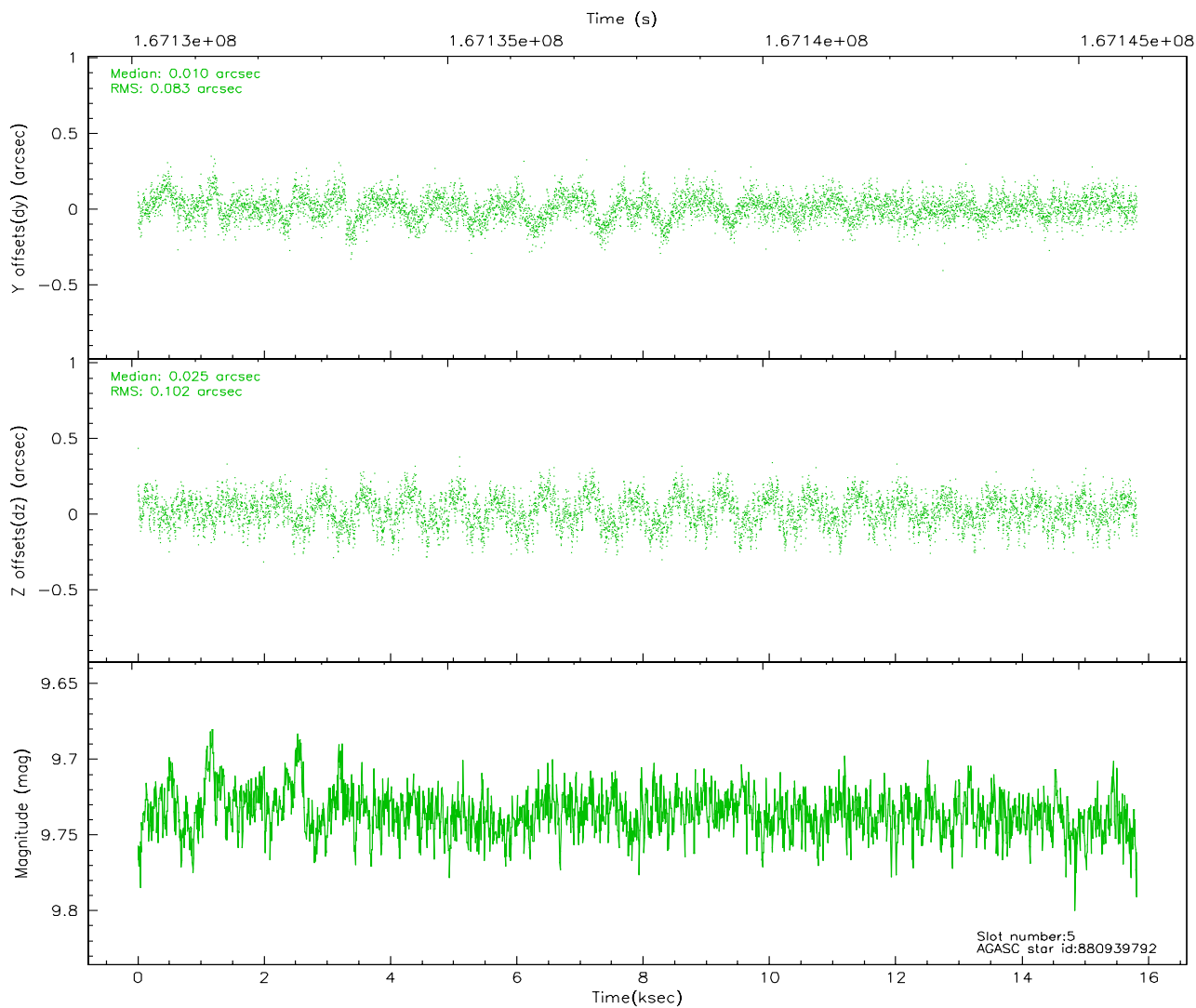
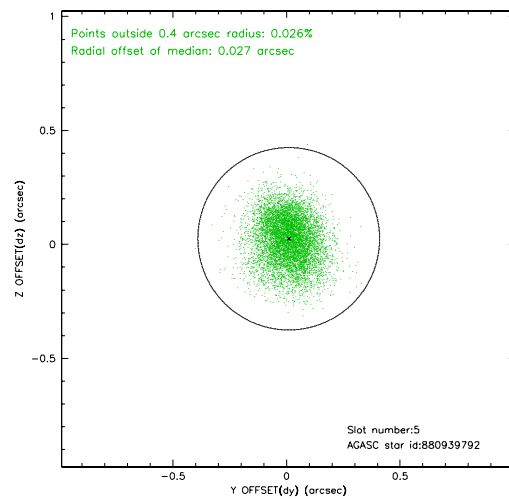
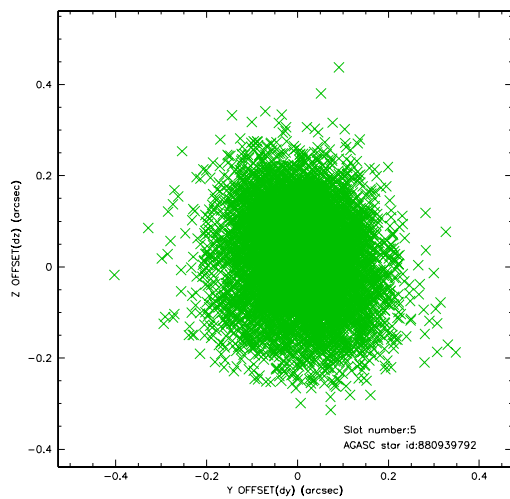
### 2.4.1 Slot 3



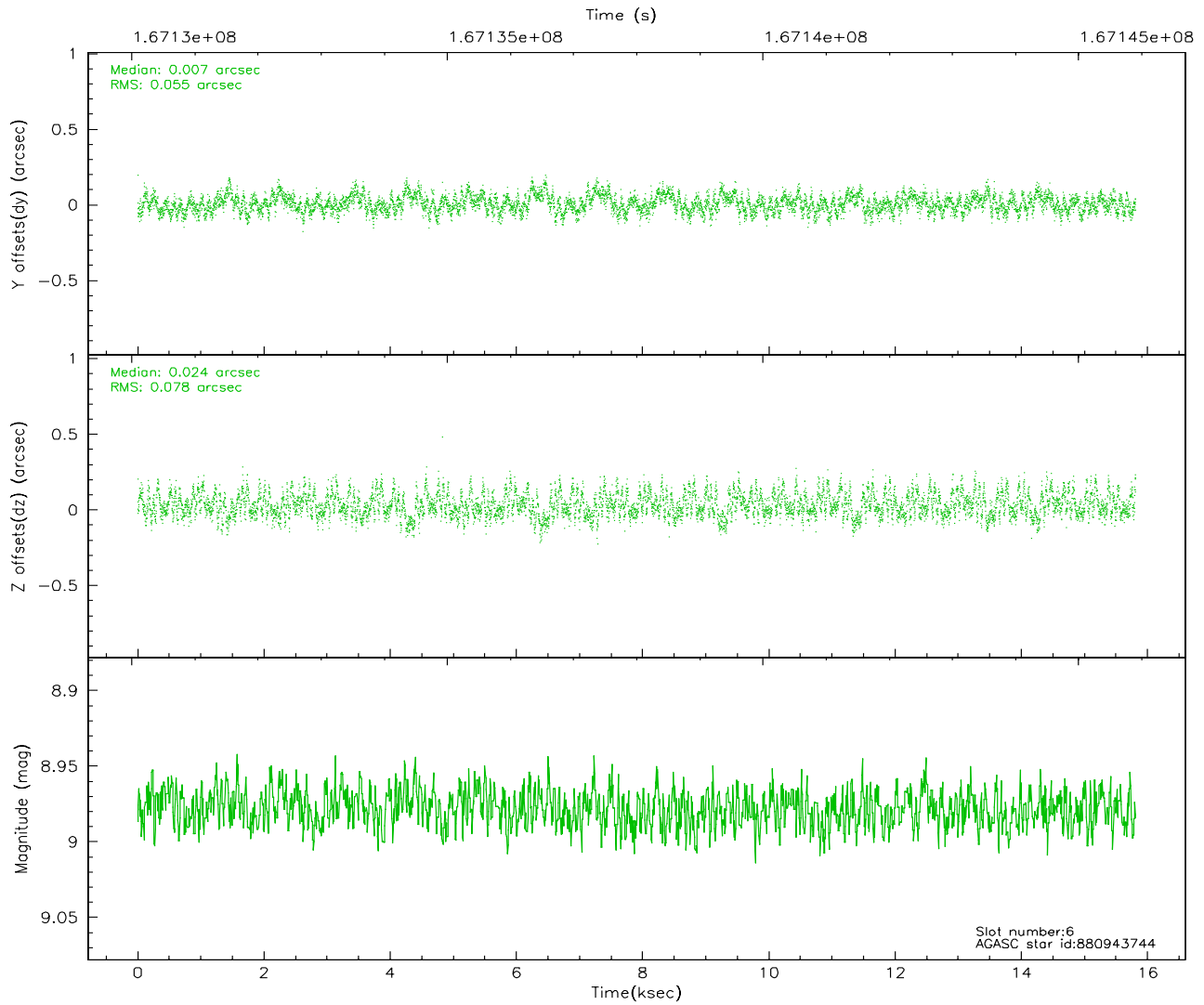
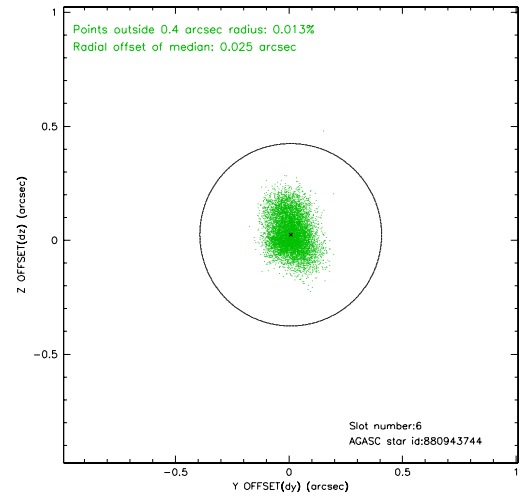
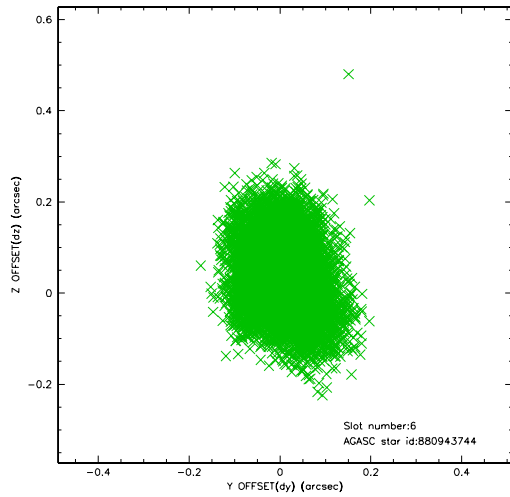
## 2.4.2 Slot 4



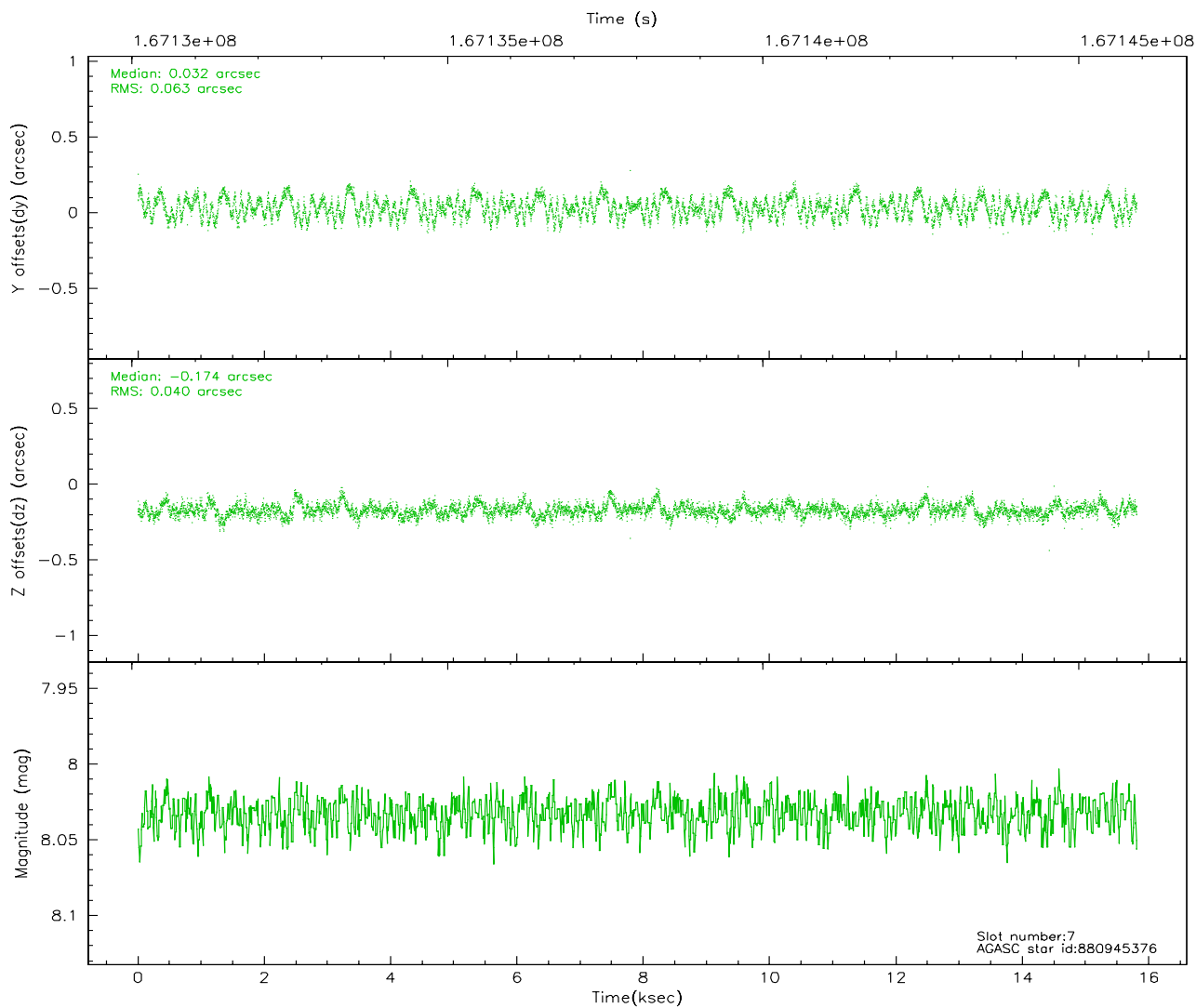
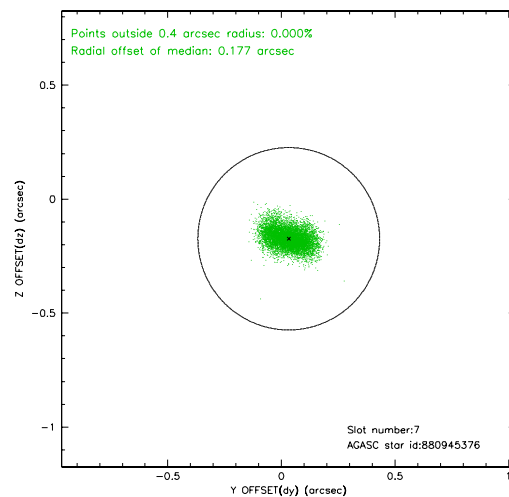
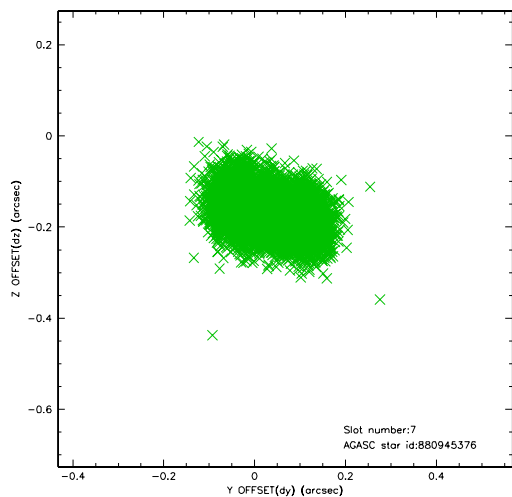
### 2.4.3 Slot 5



### 2.4.4 Slot 6

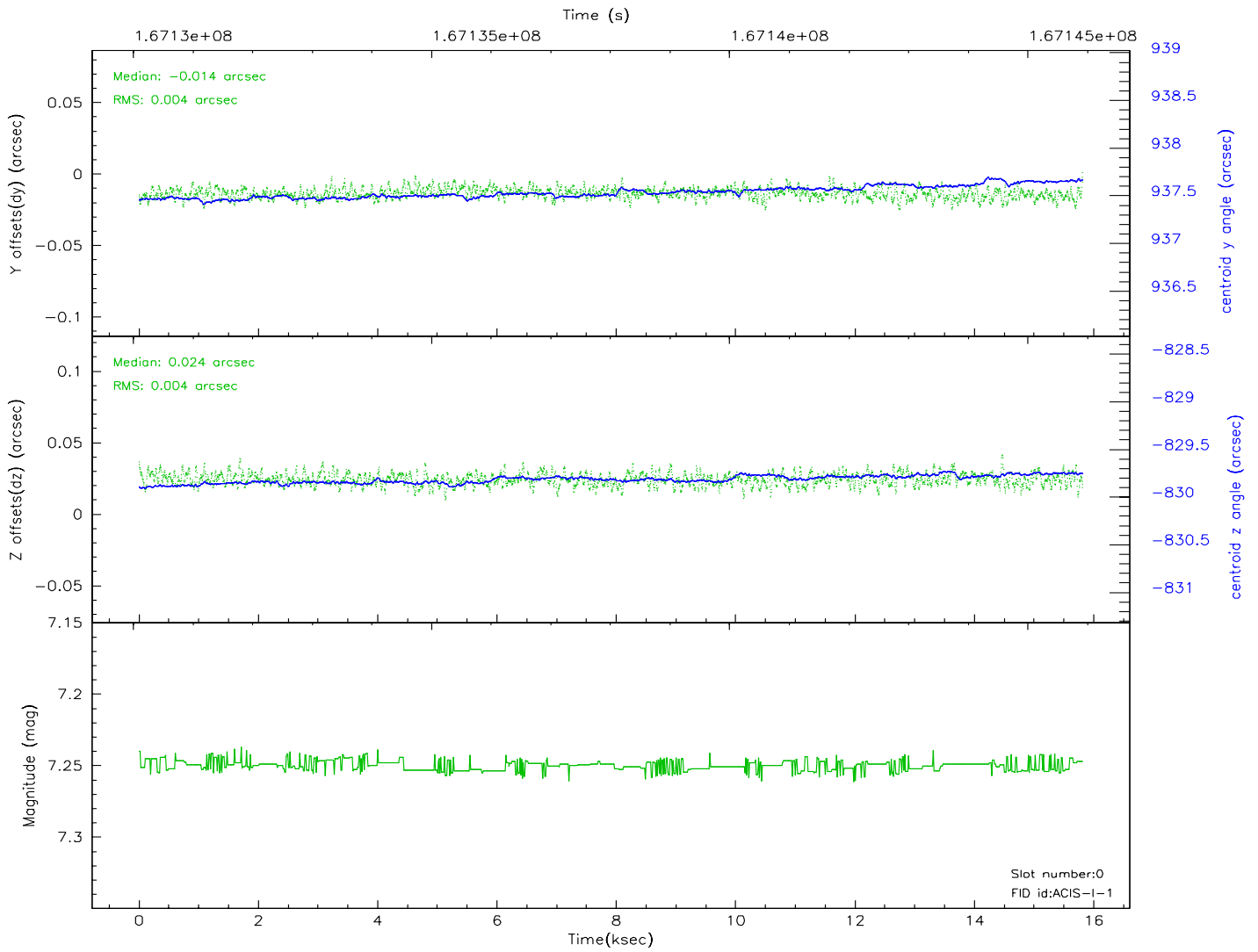
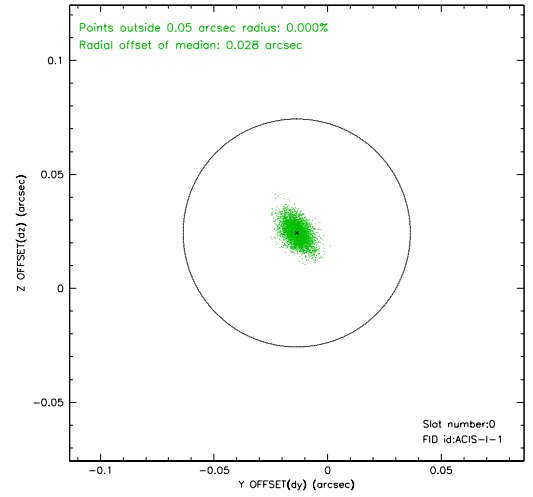
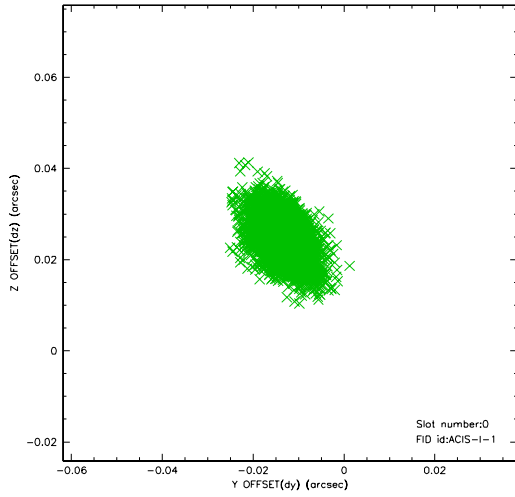


## 2.4.5 Slot 7

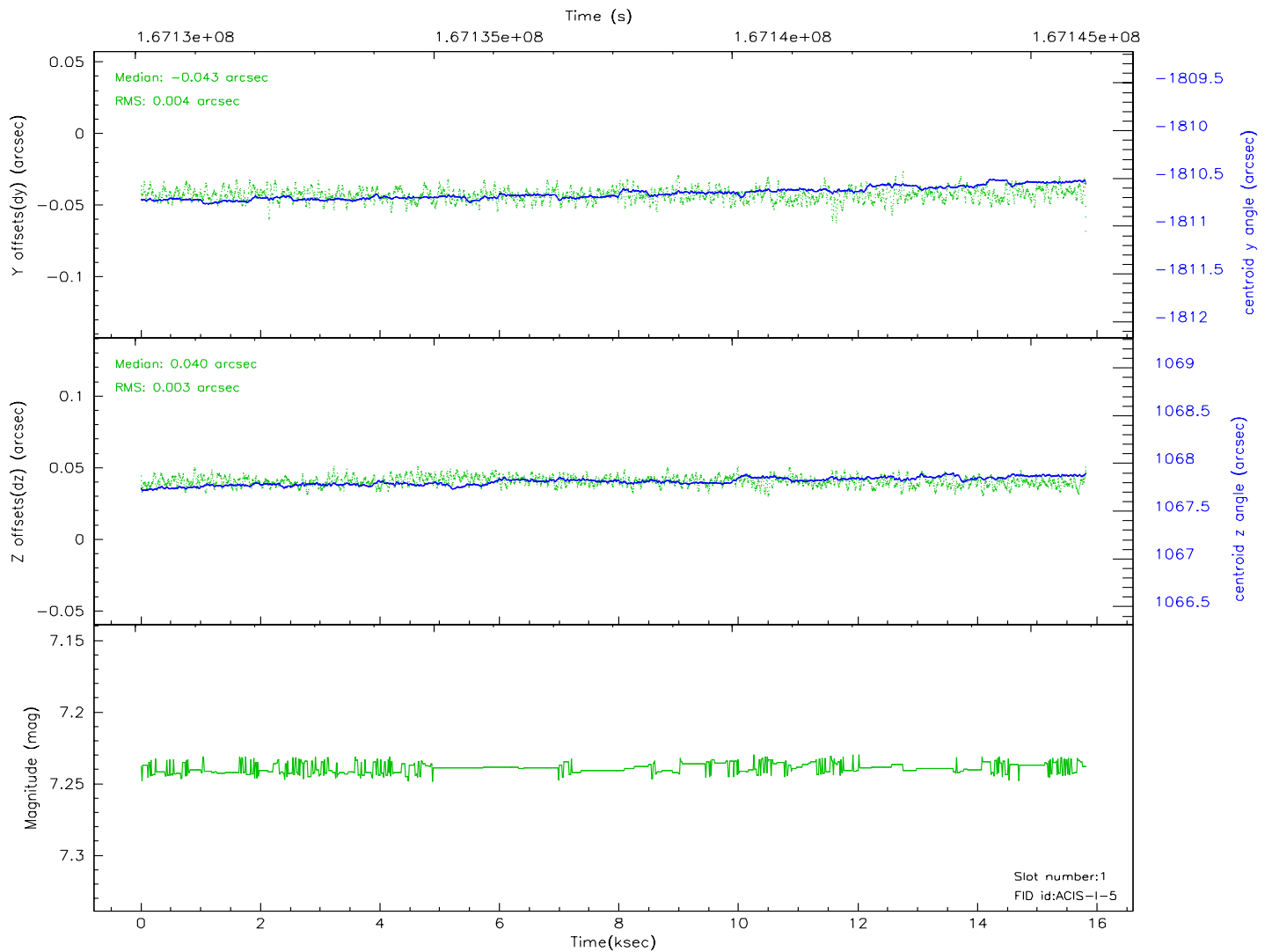
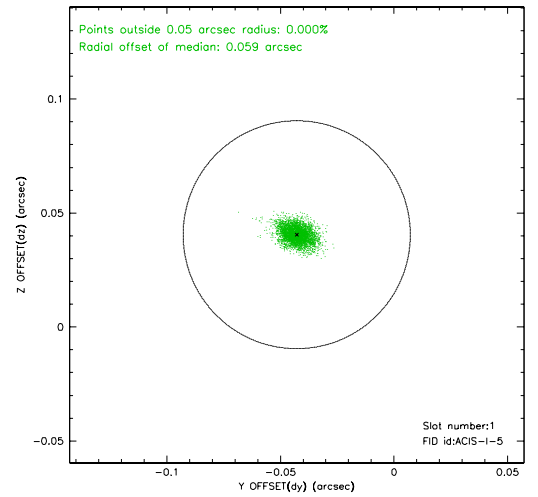
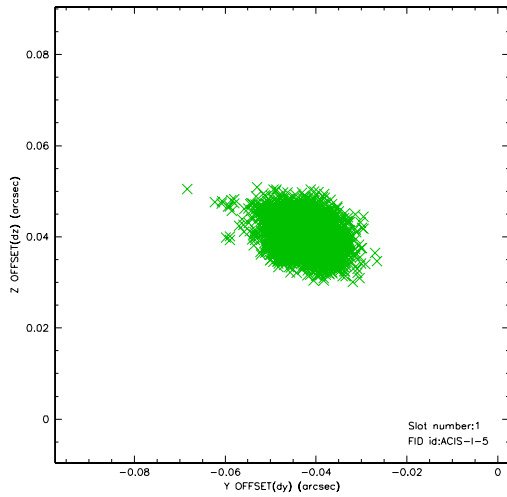


## 2.5 FID Slots

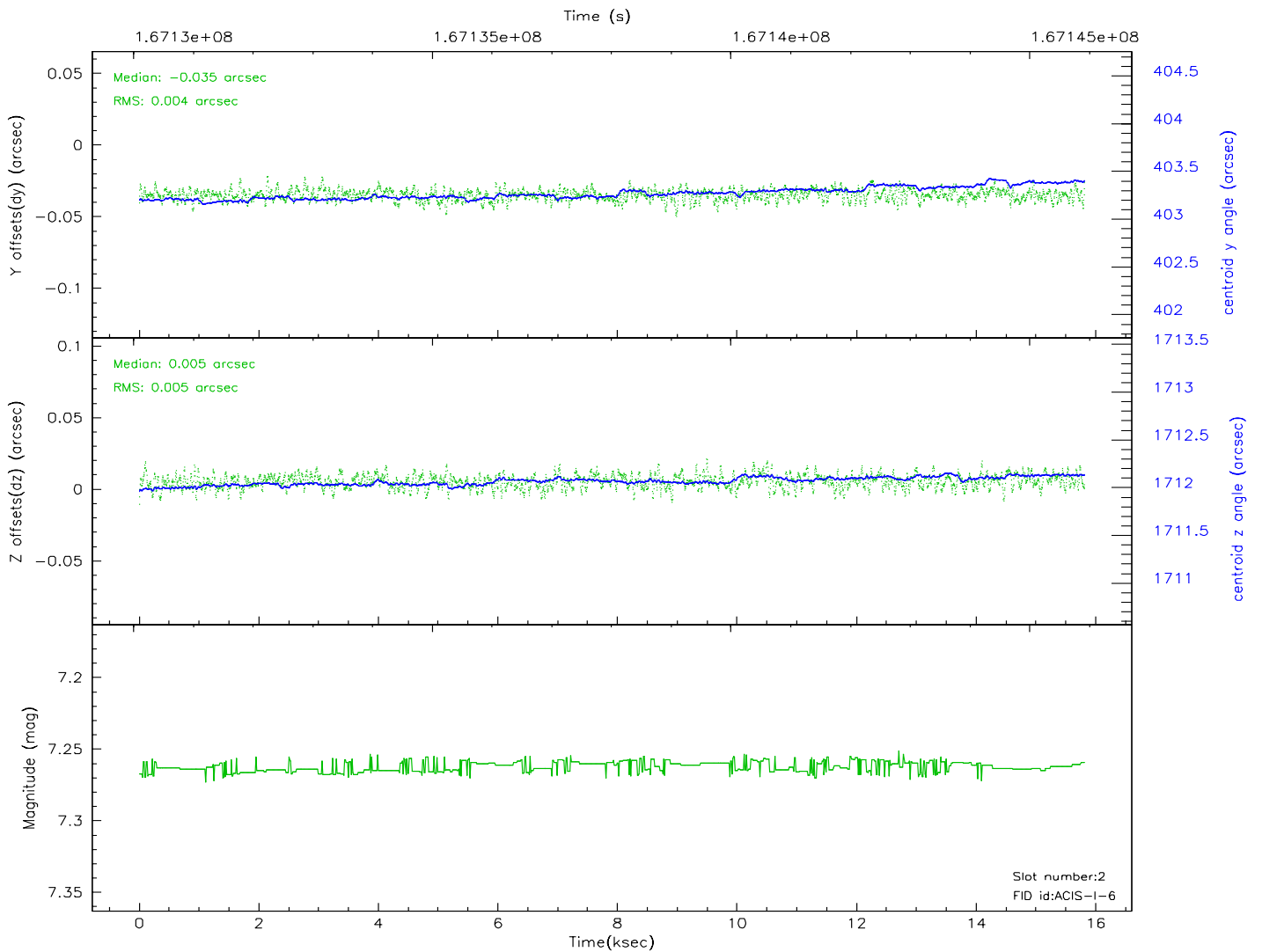
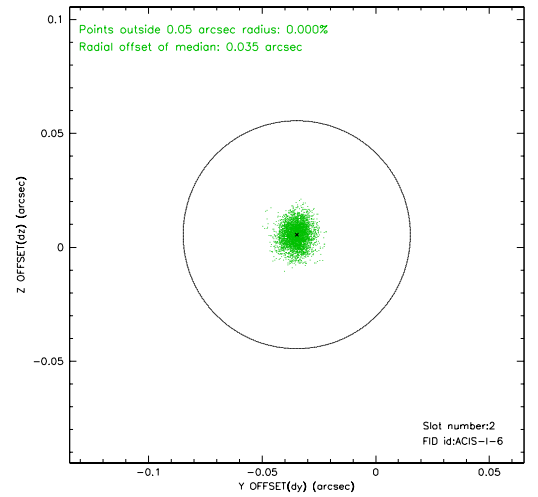
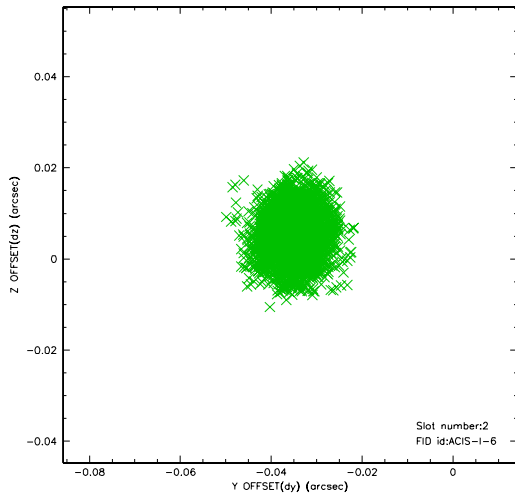
### 2.5.1 Slot 0



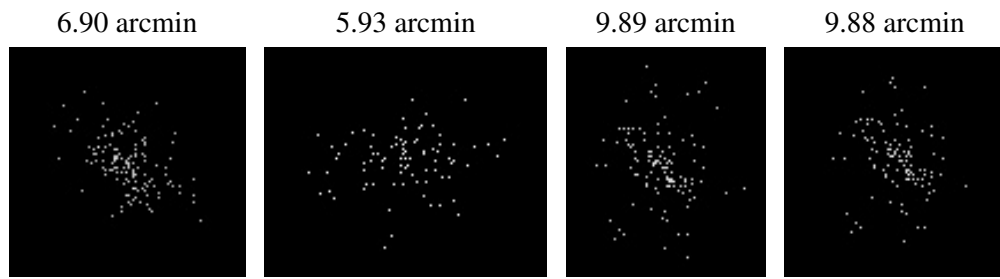
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.118

## A.2 Comments