

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 582 - L2 Version 001  
Chandra X-Ray Center

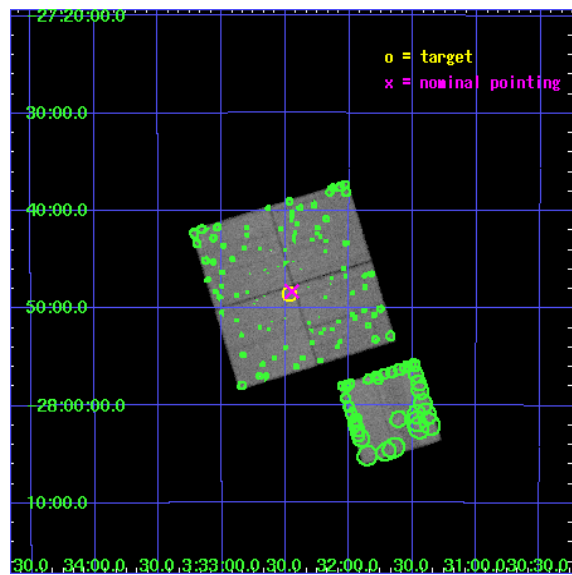
L2 Processing Date : May 23 2007

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# 1 Front

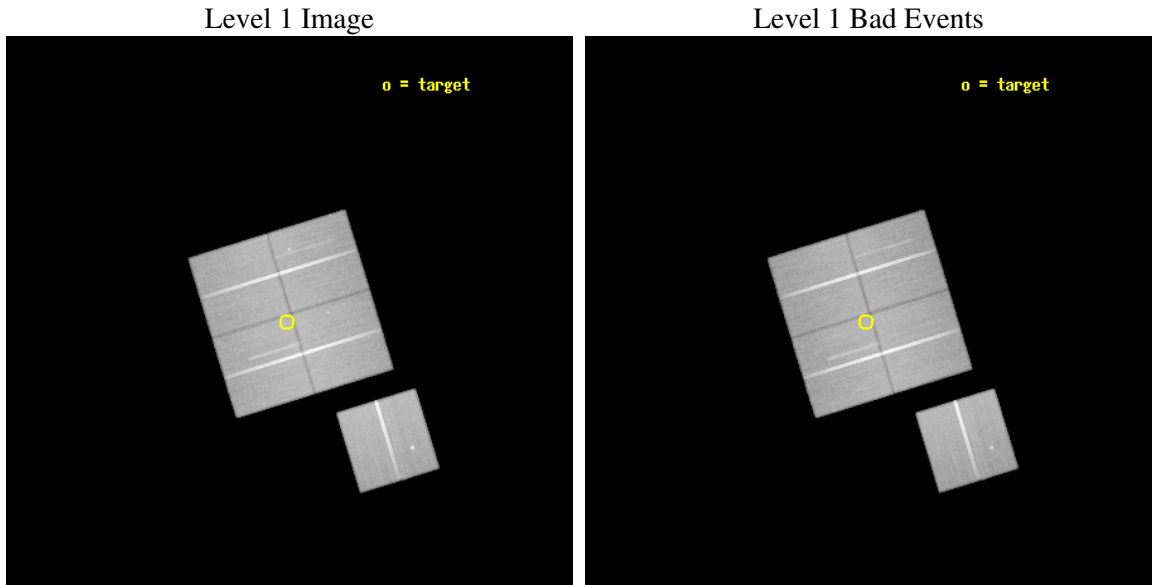
seq_num	900003
obs_id	582
title	ULTRA DEEP AXAF OBSERVATION WITH ACIS
observer	PROF. RICCARDO GIACCONI
object	AXAF Southern Deep Field
dtcycle	0
cycle	P
ra_targ	53.116667
dec_targ	-27.808333
ra_nom	53.112387038084
dec_nom	-27.80513601908
roll_nom	162.92693258289
revision	3
ontime	132259.11821271
livetime	130584.37362103
ontime0	132255.87724248
ontime1	132249.39531209
ontime2	132259.11821273
ontime3	132259.11821271
ontime6	132259.11820272
l2events	416891



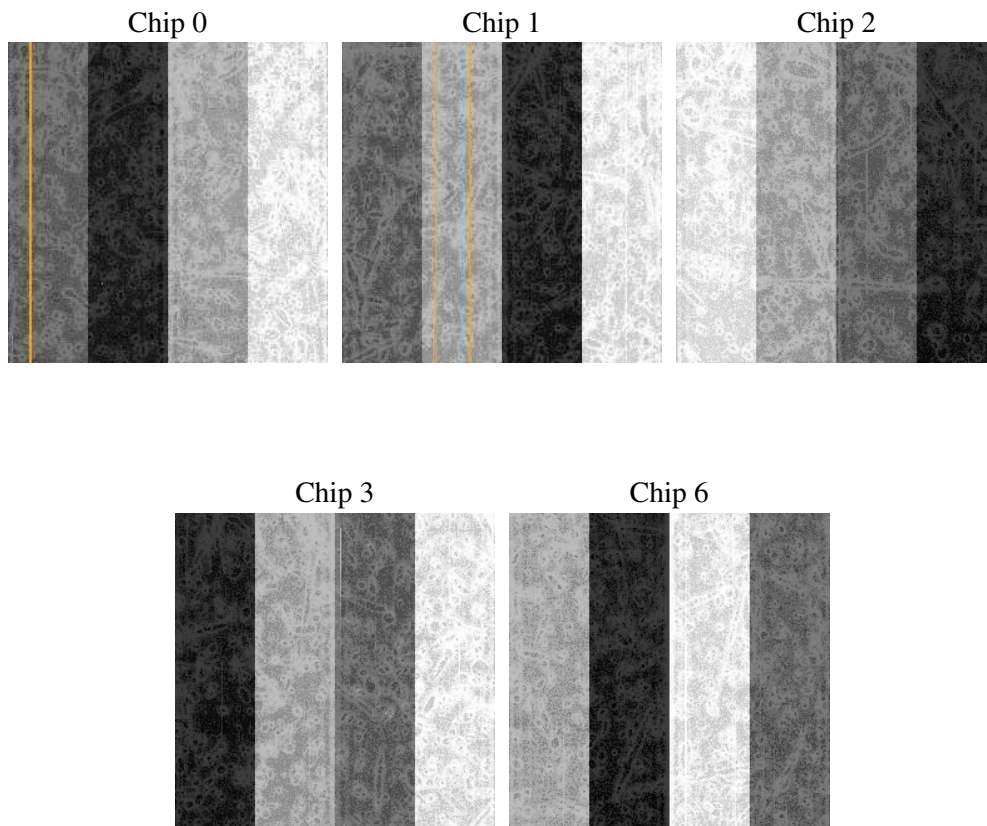
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-05-23T19:03:03
revision	3

sched_exp_time	132126.278000
ontime	132259.11821271
ontime0	132255.87724248
ontime1	132249.39531209
ontime2	132259.11821273
ontime3	132259.11821271
ontime6	132259.11820272
ll events	4393280

### 2.1.4 Events

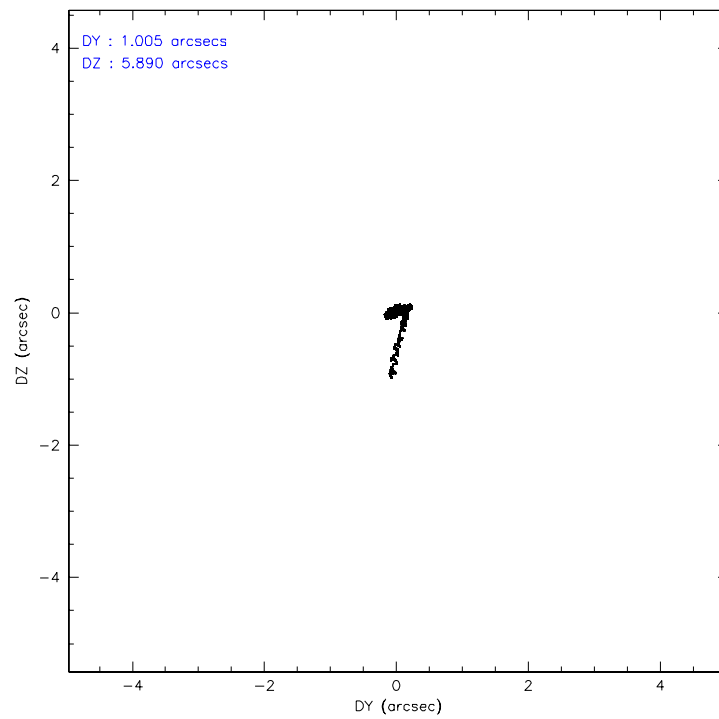
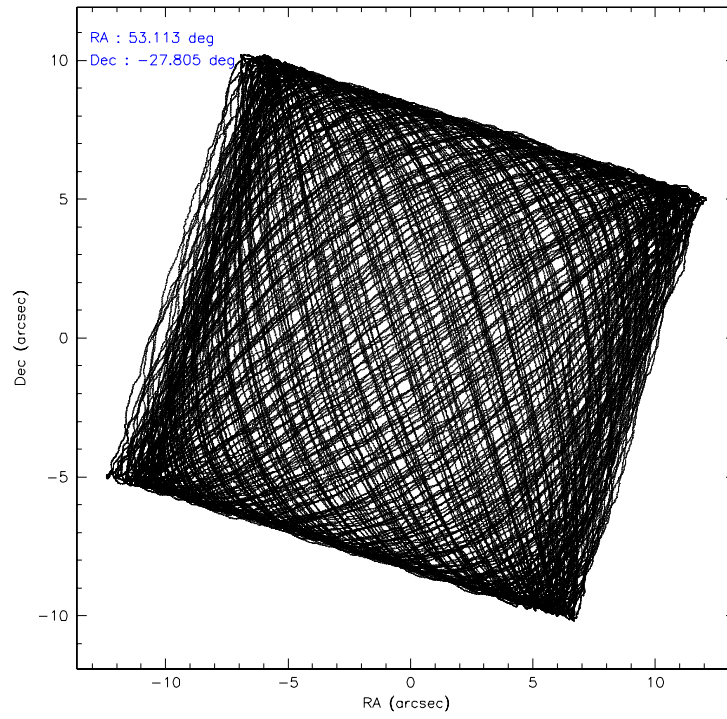
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	831935	841750	909810	910588	899197
rejected events	731737	738812	814195	816376	801108
rejected %	87%	87%	89%	89%	89%

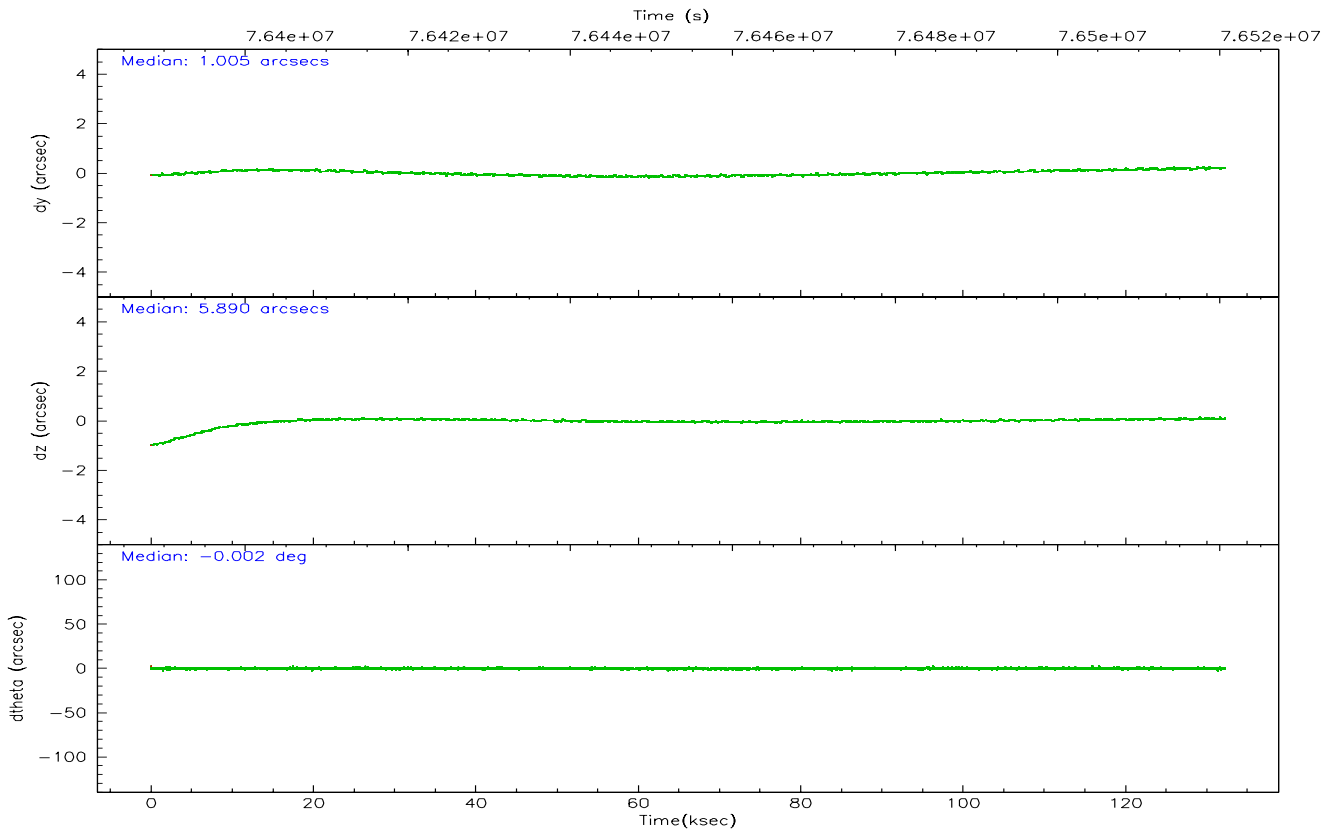
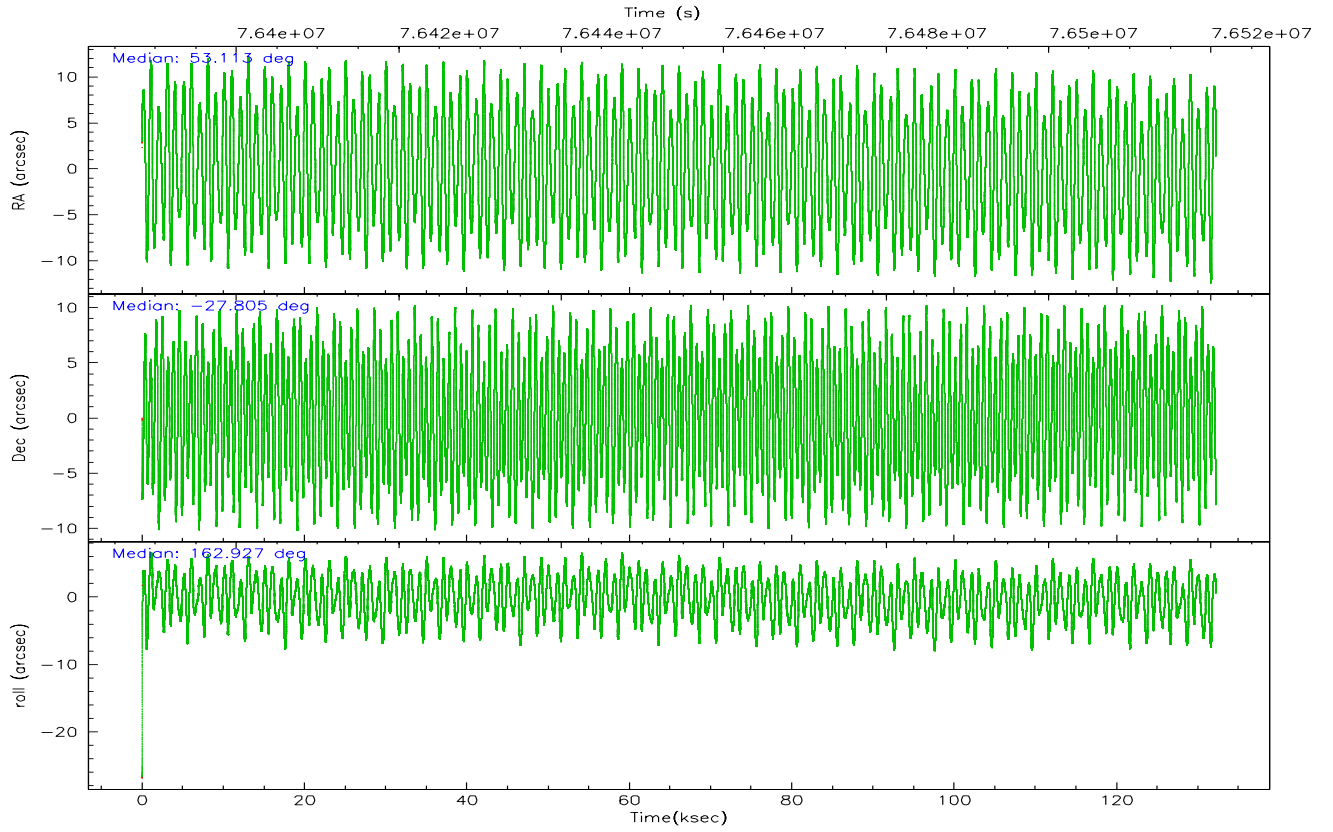
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	44226	42766	41843	40873	40046
	5%	5%	4%	4%	4%
grade 1 events	371	373	402	432	551
	0%	0%	0%	0%	0%
grade 2 events	20128	20265	19765	18376	19825
	2%	2%	2%	2%	2%
grade 3 events	10221	10833	9137	9577	10085
	1%	1%	1%	1%	1%
grade 4 events	9363	10925	9288	9280	9933
	1%	1%	1%	1%	1%
grade 5 events	28553	31009	27609	31252	33961
	3%	3%	3%	3%	3%
grade 6 events	16826	18715	16137	16654	18774
	2%	2%	1%	1%	2%
grade 7 events	702247	706864	785629	784144	766022
	84%	83%	86%	86%	85%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	53.142795	53.11238703808399	Subarray requested	NONE	NONE
Pointing Dec	-27.799119	-27.80513601907968	Alternating exposures requested	N	N
Pointing Roll	162.732431	162.9269325828906	Primary exposure time	3.200000	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	76388534.184000	76387103.100967			
Observation start date	2000-06-03T03:01:10	2000-06-03T02:38:23			
Observation end time	76520660.184000	76520969.64339601			
Observation end date	2000-06-04T15:43:16	2000-06-04T15:49:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect



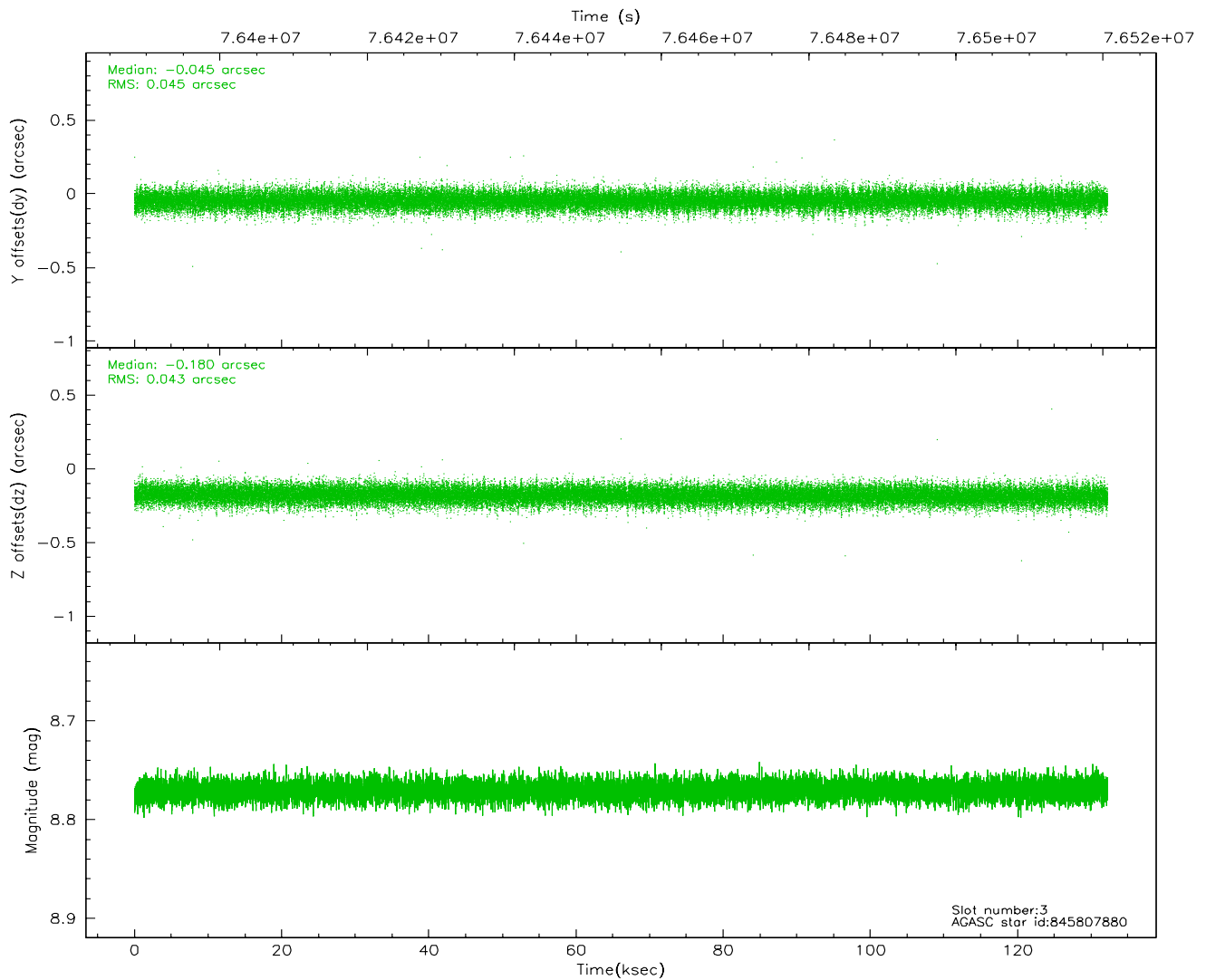
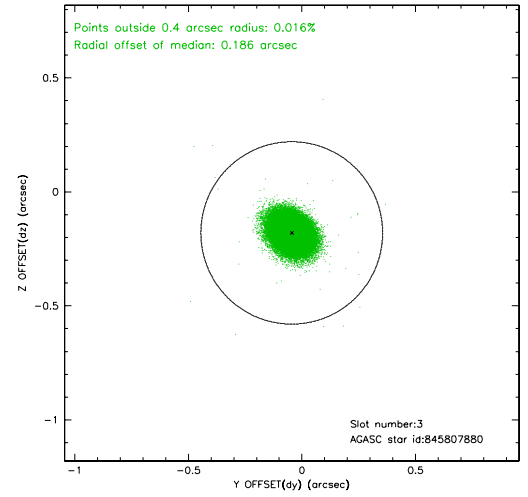
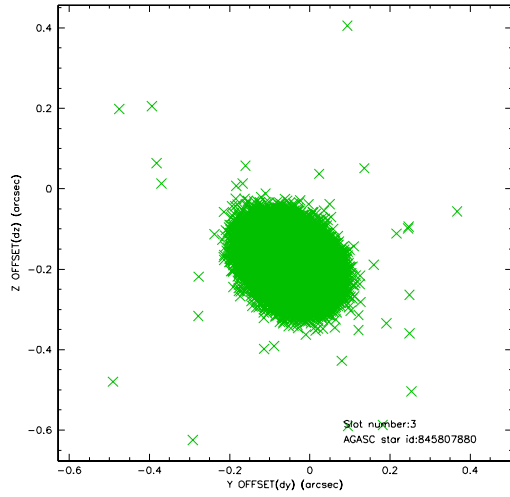


### Slot Statistics

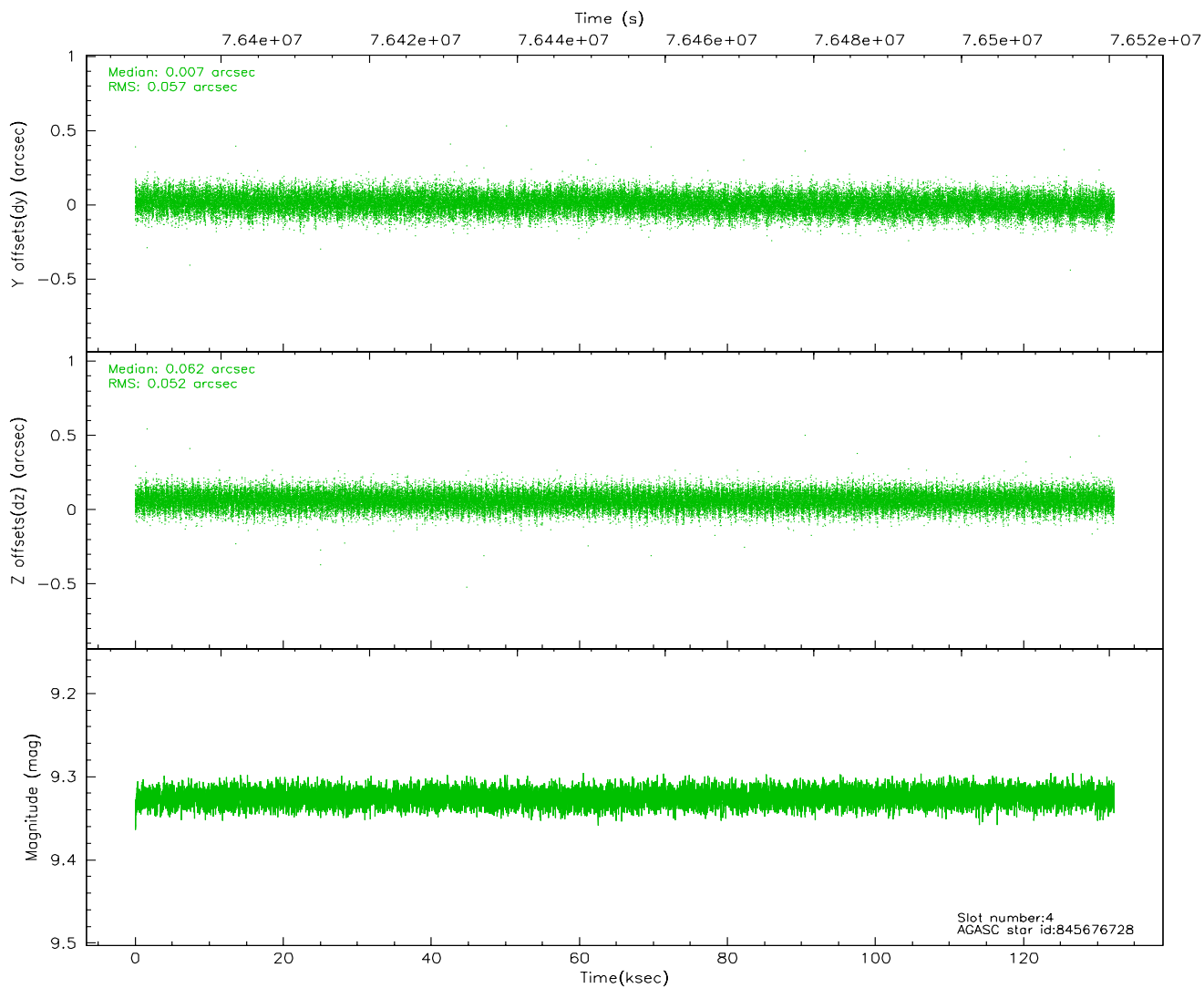
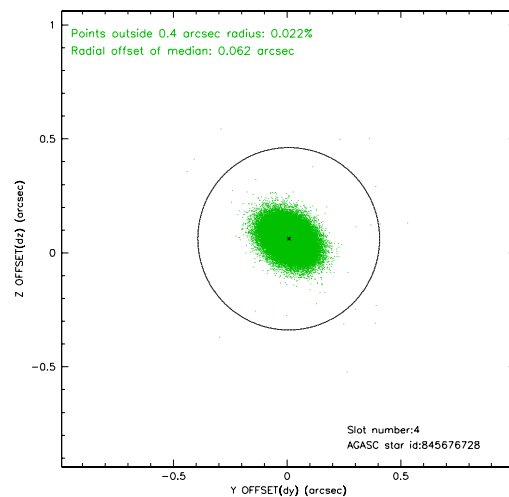
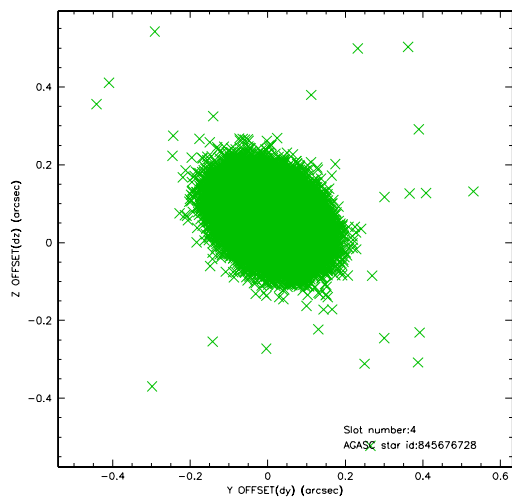
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	32252	-0.016	-0.029	0.010	0.019	0.000000	0.000000	-755.35	-835.61
1	FID	ACIS-I-4	7.18	32248	-0.104	0.027	0.008	0.023	0.000000	0.000000	2158.66	1070.67
2	FID	ACIS-I-5	7.23	32249	0.018	0.071	0.010	0.020	0.000000	0.000000	-1809.28	1068.44
3	GUIDE	845807880	8.77	64484	-0.045	-0.180	0.065	0.108	53.382027	-27.886093	-819.73	73.78
4	GUIDE	845676728	9.32	64253	0.007	0.062	0.081	0.135	52.877179	-27.664318	952.92	-210.88
5	GUIDE	845676936	9.48	64469	-0.018	-0.005	0.083	0.137	52.843773	-27.880153	822.08	562.34
6	GUIDE	845808520	10.21	64252	0.083	0.072	0.129	0.216	53.575292	-27.720766	-1232.68	-675.88
7	GUIDE	845417688	9.98	64467	-0.032	0.049	0.109	0.178	54.025245	-27.354040	-2221.55	-2357.83

## 2.4 Star Slots

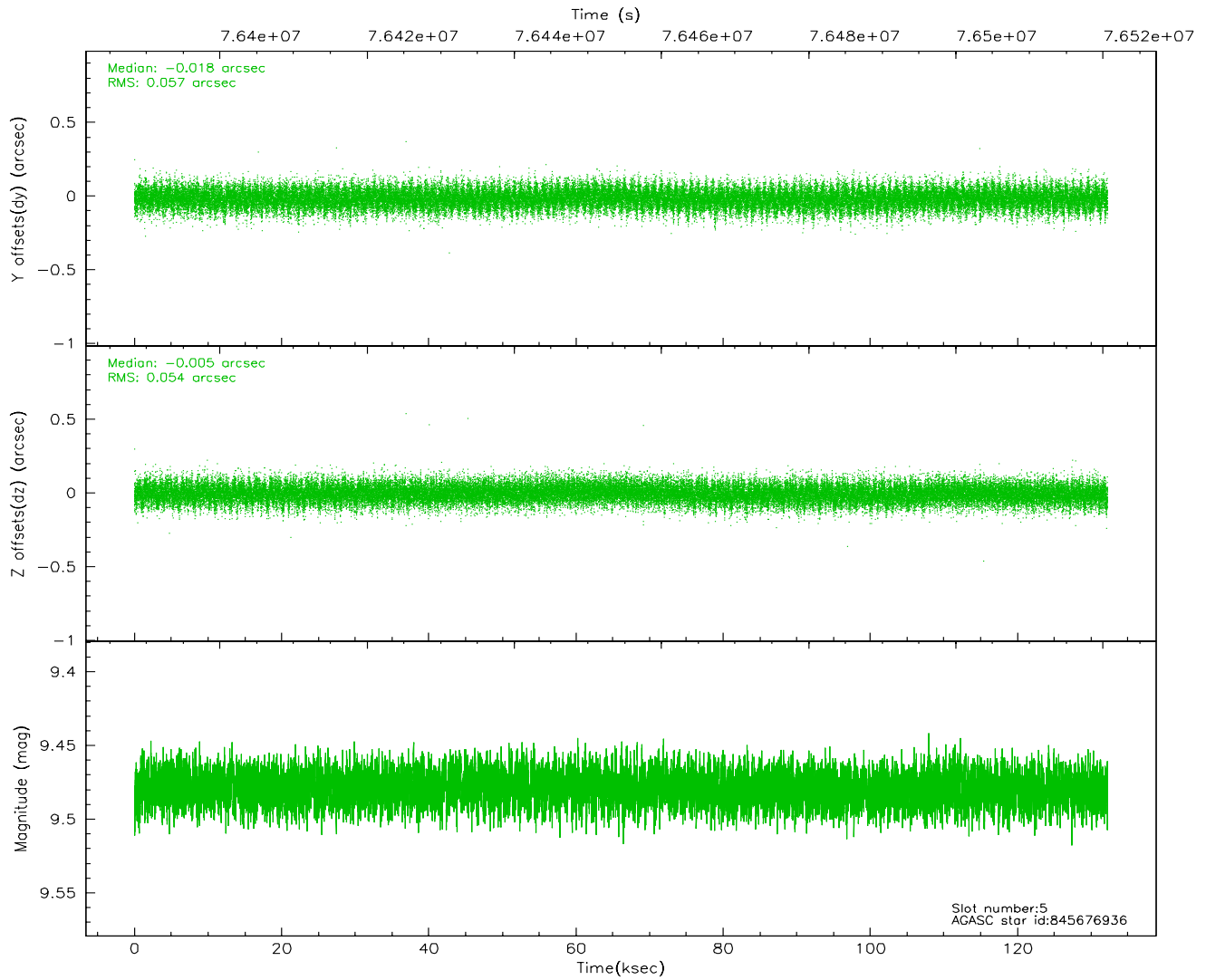
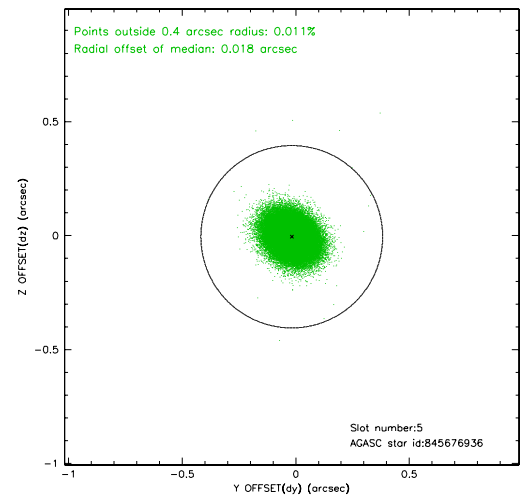
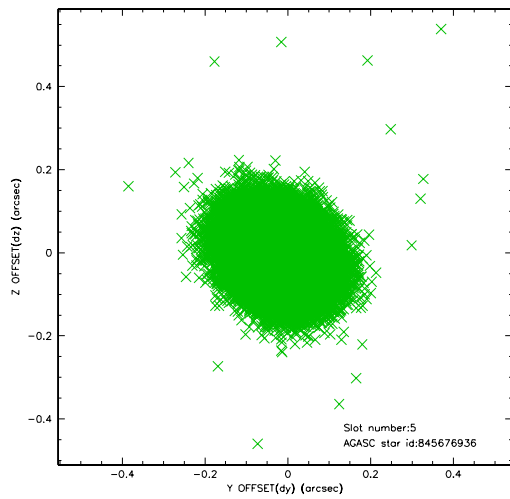
### 2.4.1 Slot 3



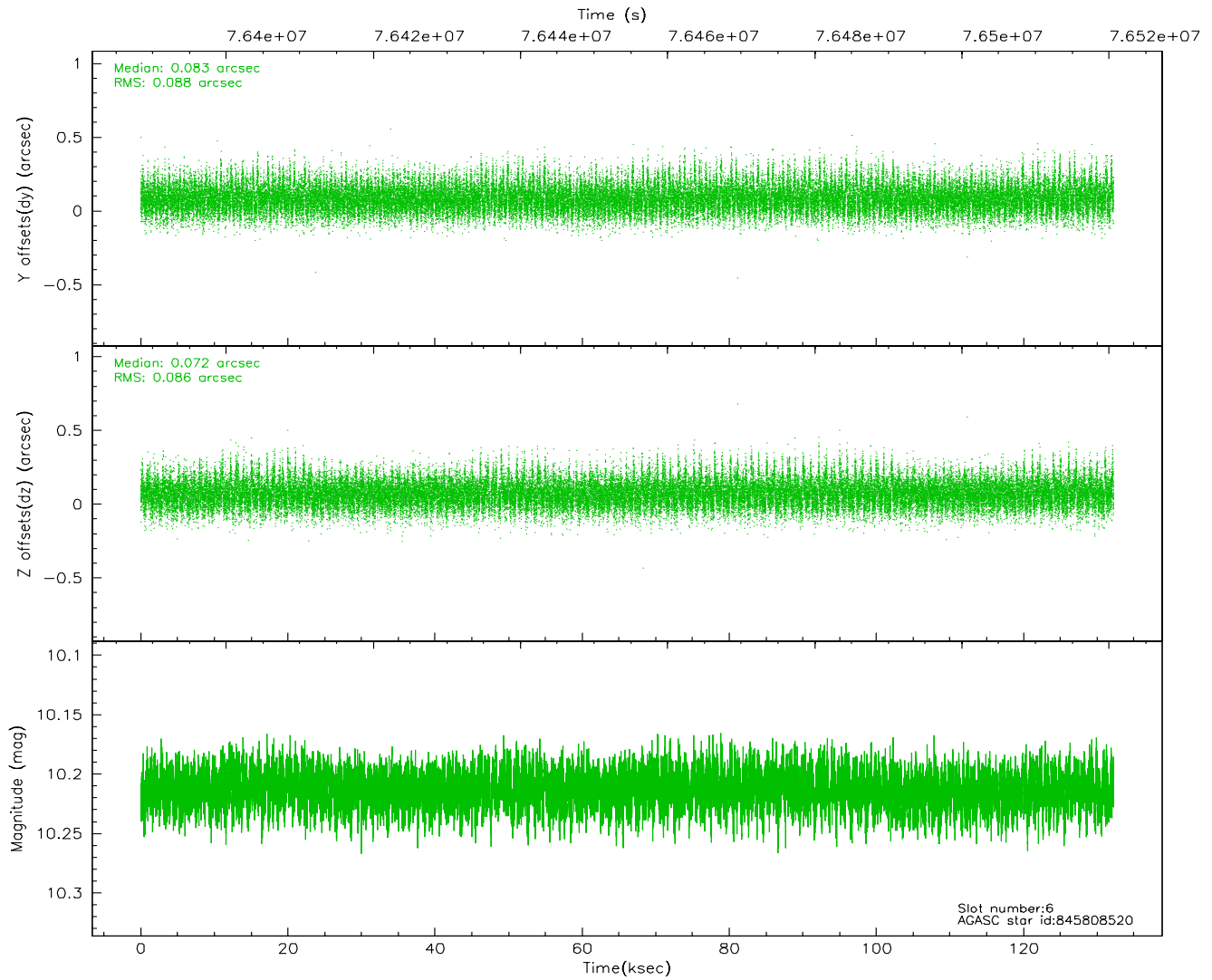
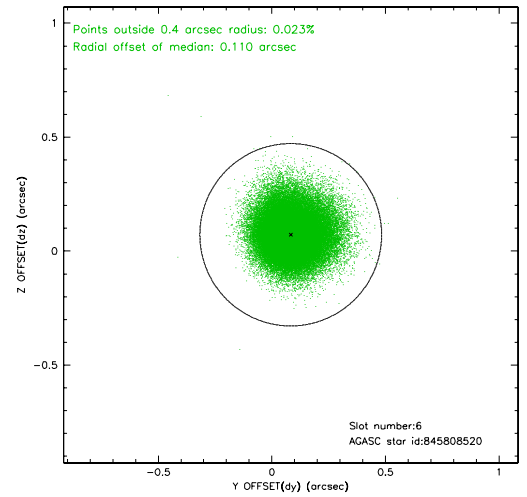
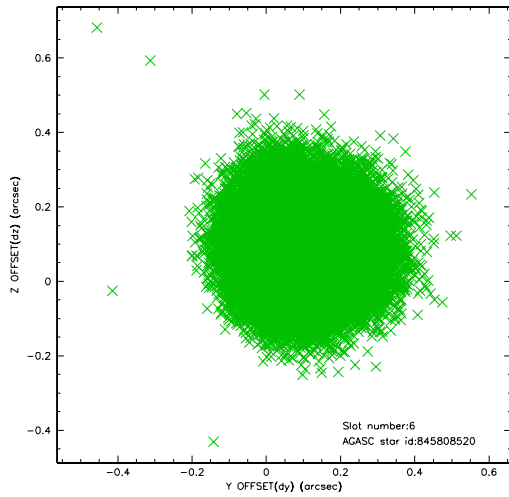
## 2.4.2 Slot 4



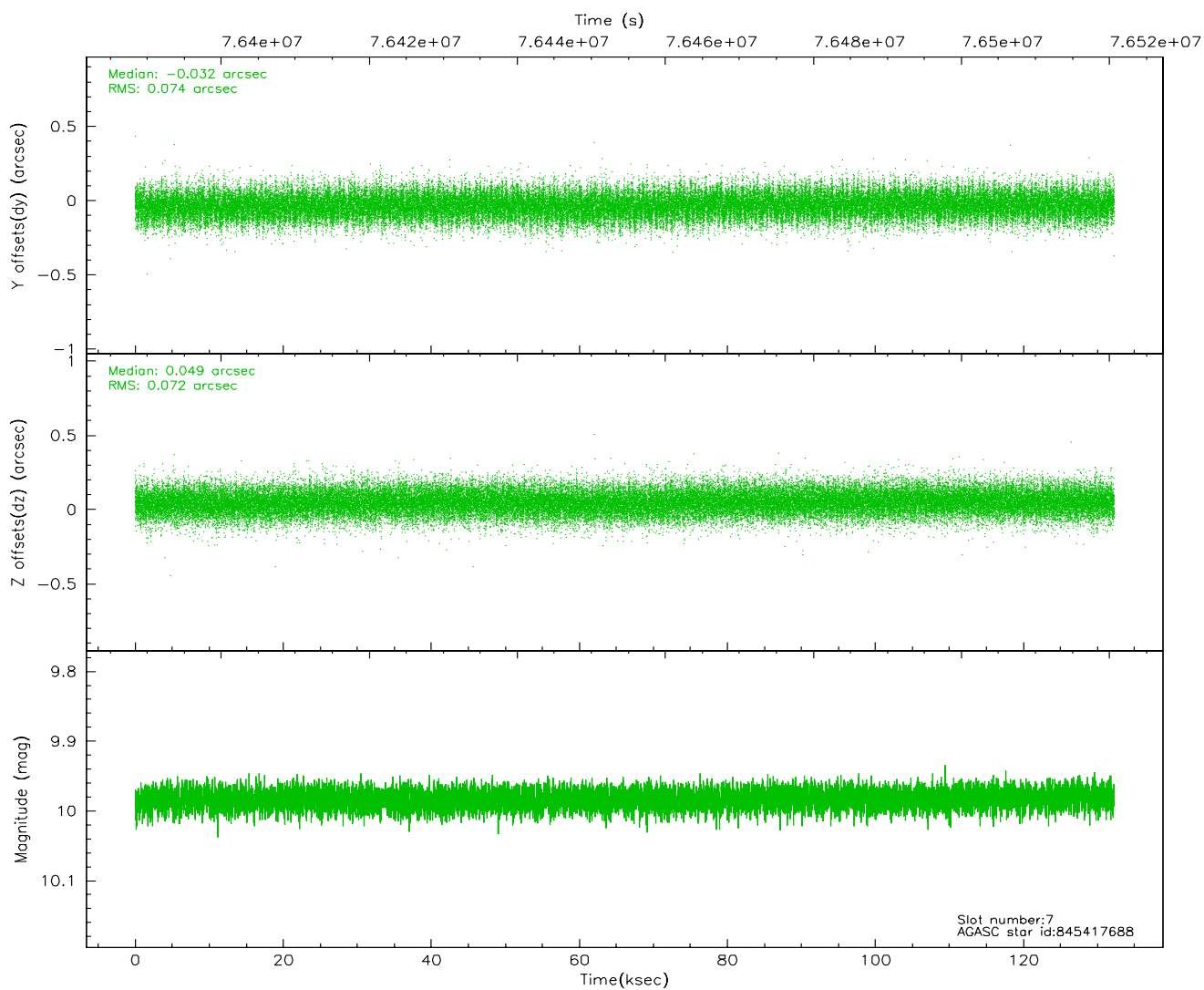
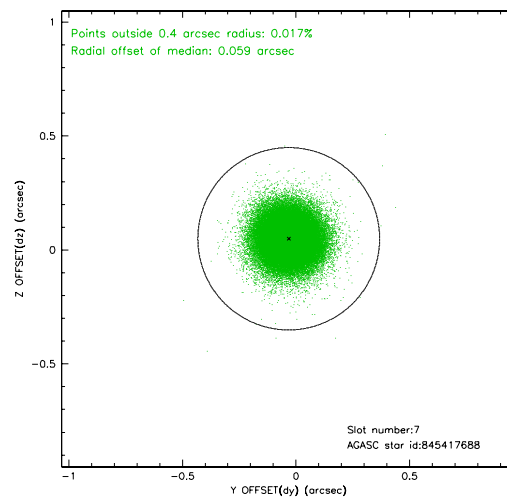
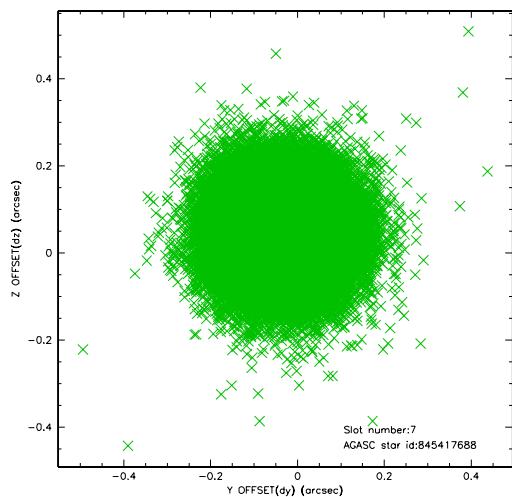
### 2.4.3 Slot 5



### 2.4.4 Slot 6

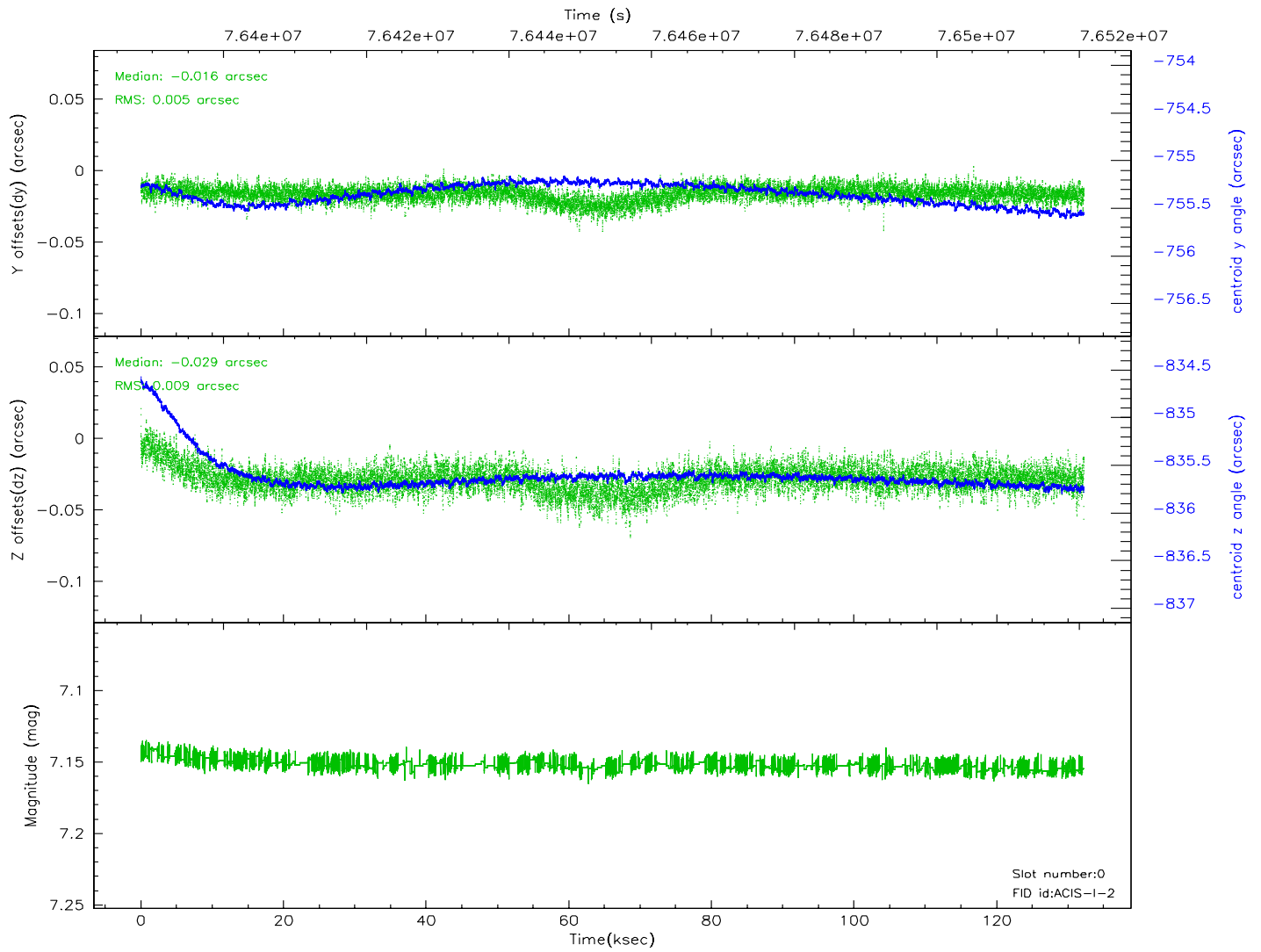
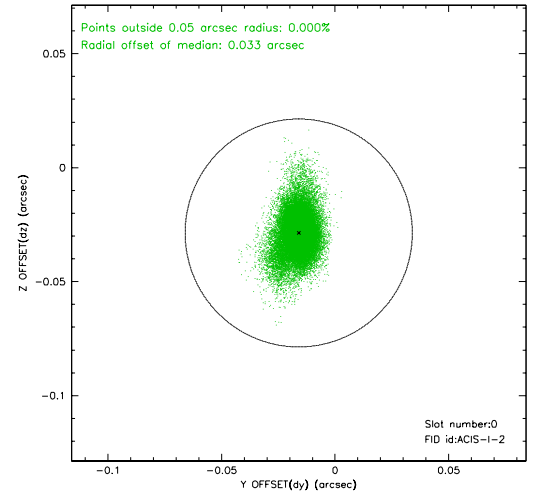
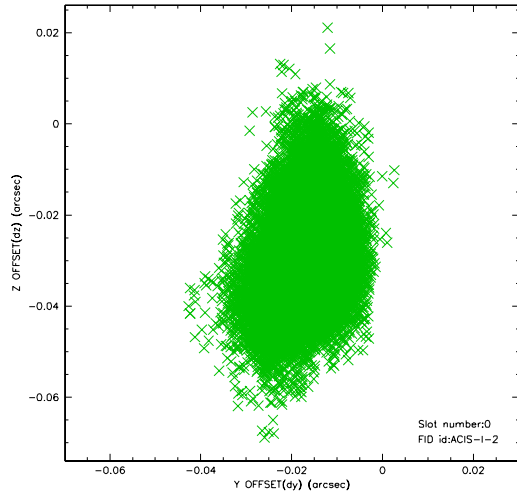


## 2.4.5 Slot 7

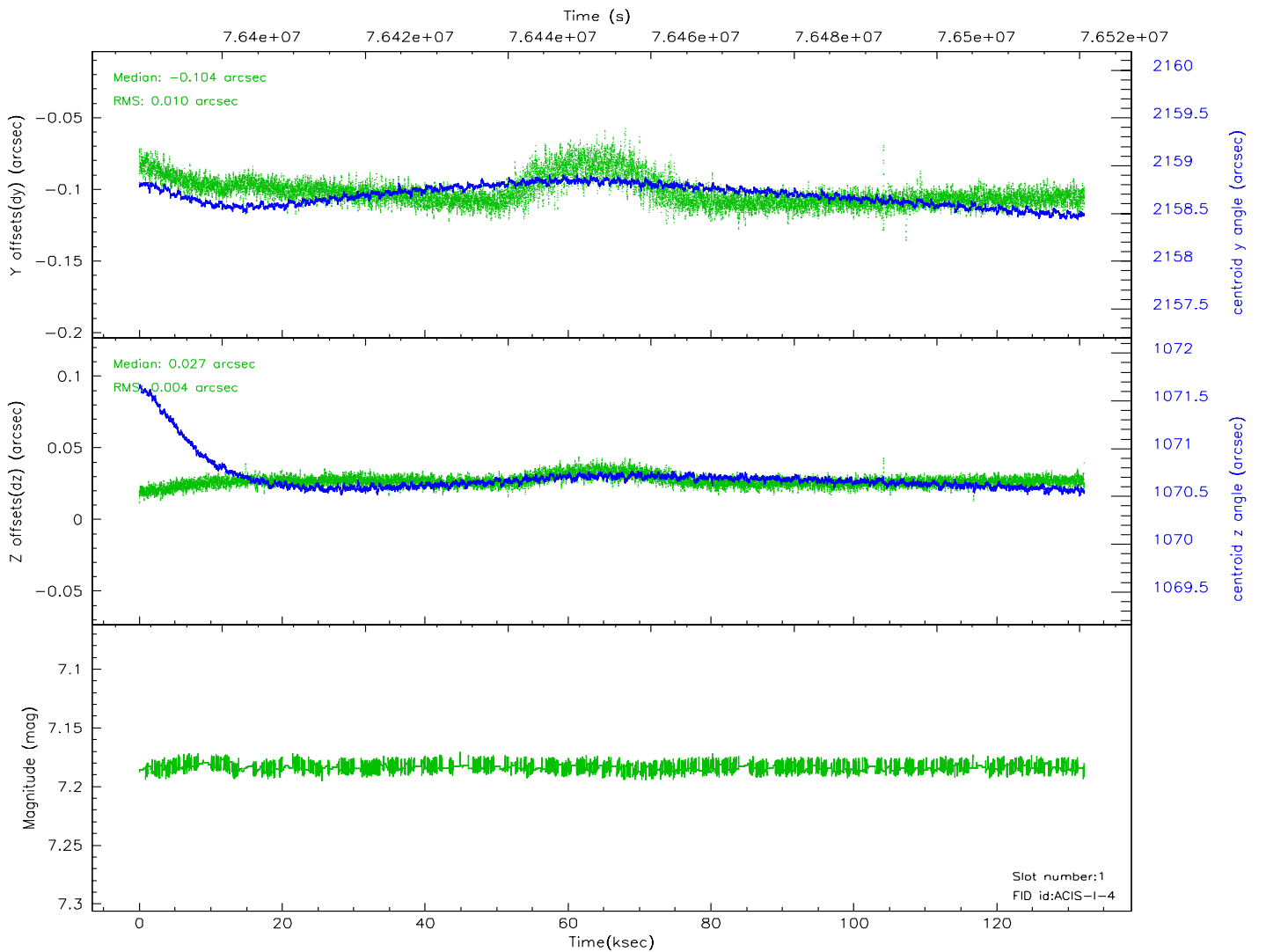
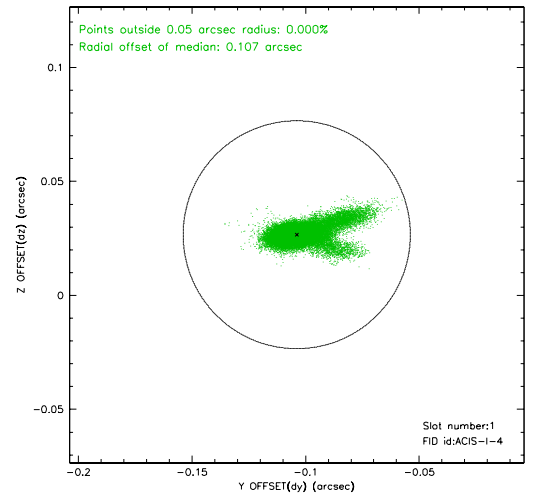
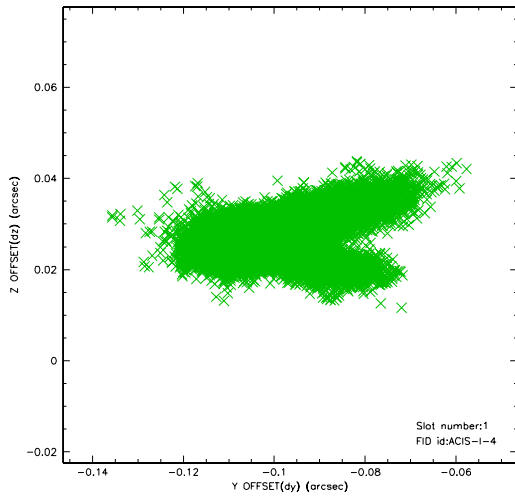


## 2.5 FID Slots

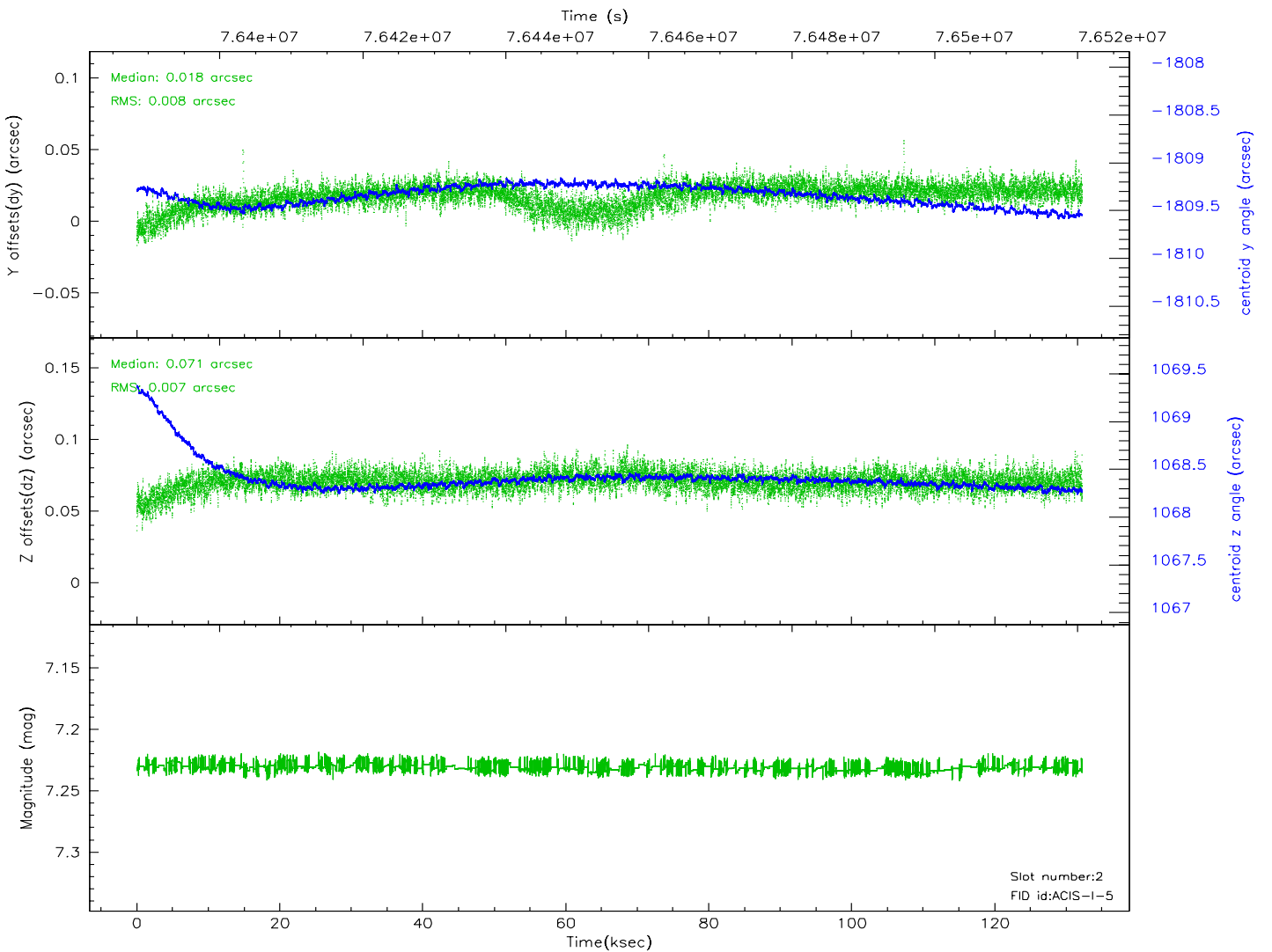
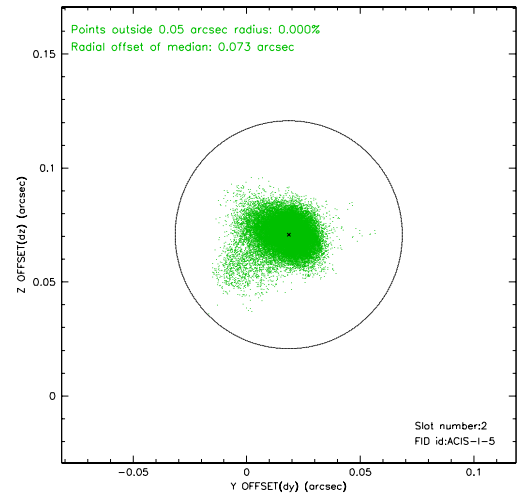
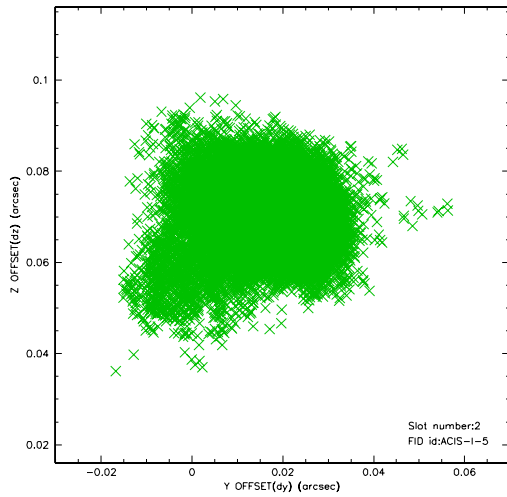
### 2.5.1 Slot 0



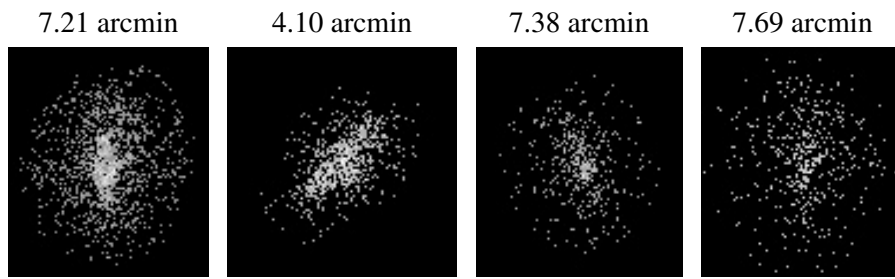
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	132.16

## A.2 Comments