

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5723 - L2 Version 003  
Chandra X-Ray Center

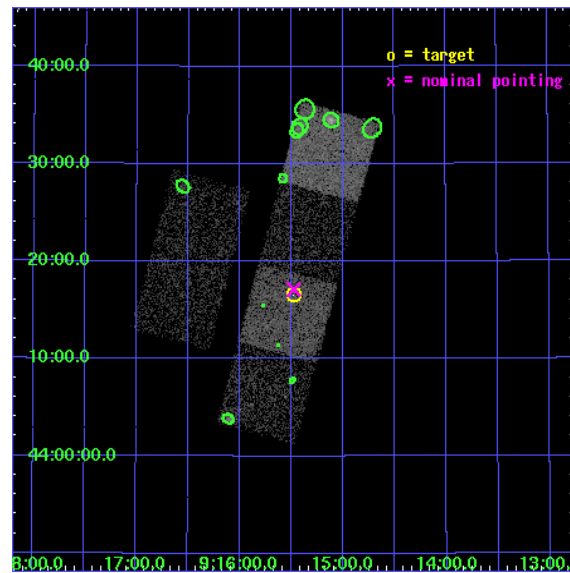
L2 Processing Date : Apr 7 2006

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# 1 Front

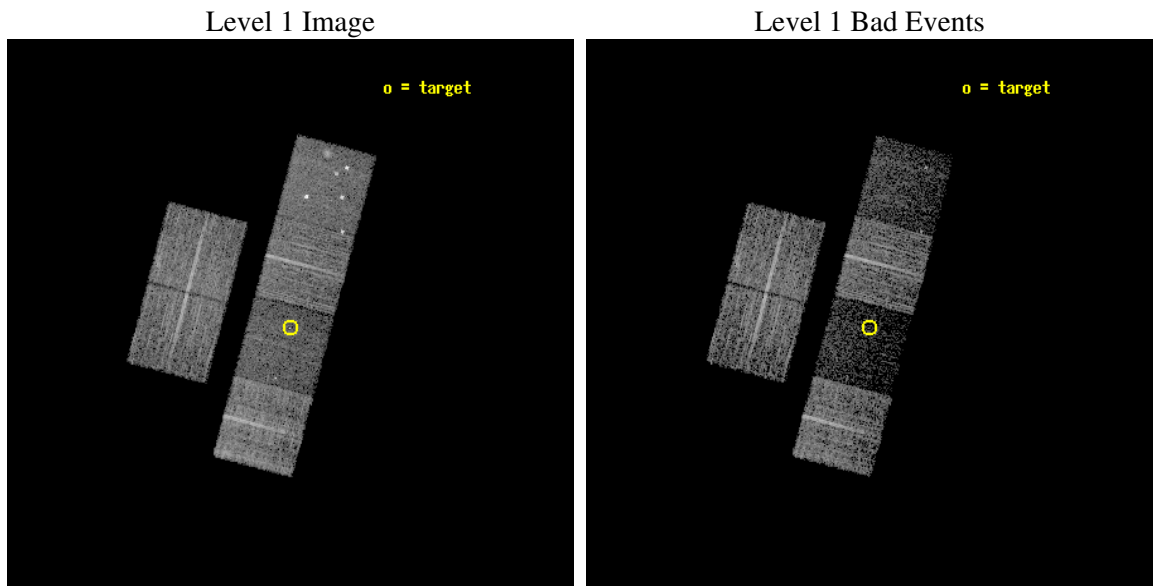
seq_num	701145
obs_id	5723
title	What kind of Jets does Nature make? X-ray characterization of the FIRST Flat Spectrum Sample
observer	Dr. Giovanni Fossati
object	87GB 0912+4429
dtcycle	0
cycle	P
ra_targ	138.87
dec_targ	44.275833
ra_nom	138.86891942948
dec_nom	44.285426213761
roll_nom	104.89639354701
revision	3
ontime	5753.5999785662
livetime	5680.7444312356
ontime2	5753.5999785662
ontime3	5753.5999785662
ontime5	5753.5999785662
ontime6	5753.5999785662
ontime7	5753.5999785662
ontime8	5750.3589982986
l2events	34884



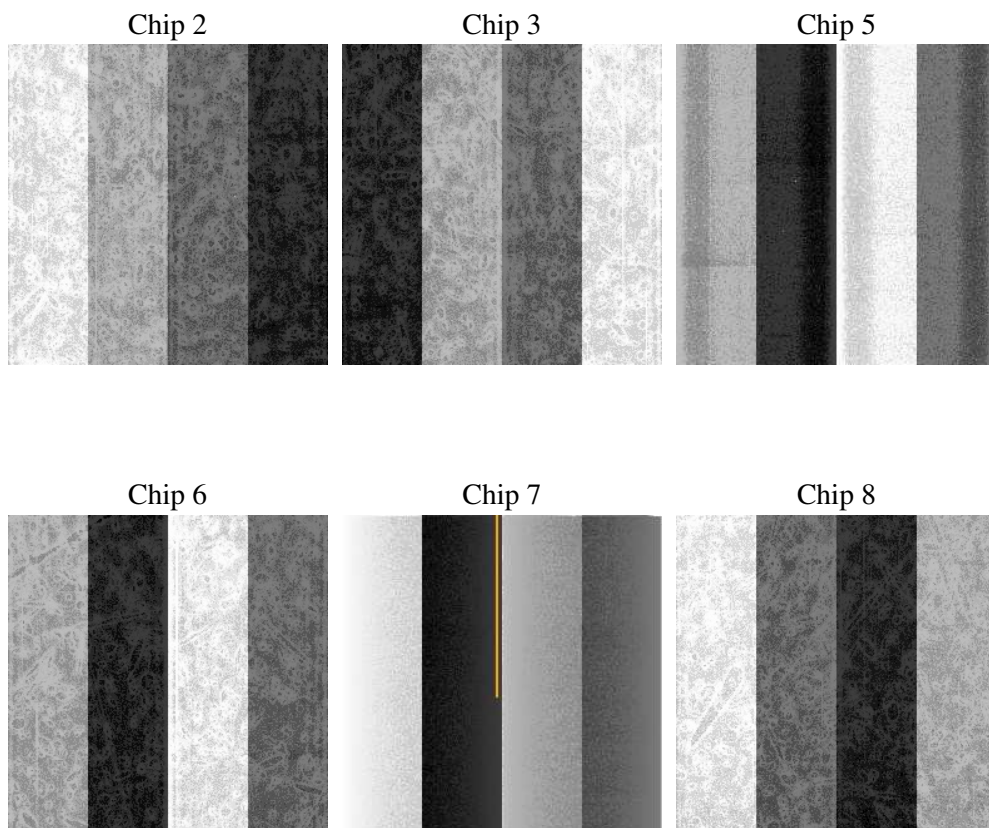
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-07T12:35:36
revision	3

sched_exp_time	6000.000000
ontime	5759.2732895613
ontime2	5759.2732895613
ontime3	5759.2732796371
ontime5	5759.2732895613
ontime6	5759.2732895613
ontime7	5759.2732895613
ontime8	5756.0323092937
l1events	189736

### 2.1.4 Events

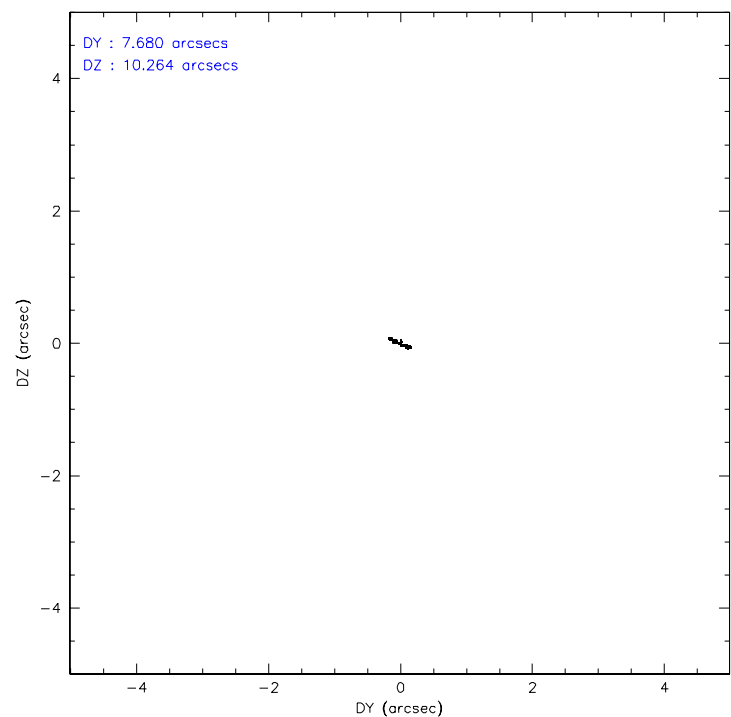
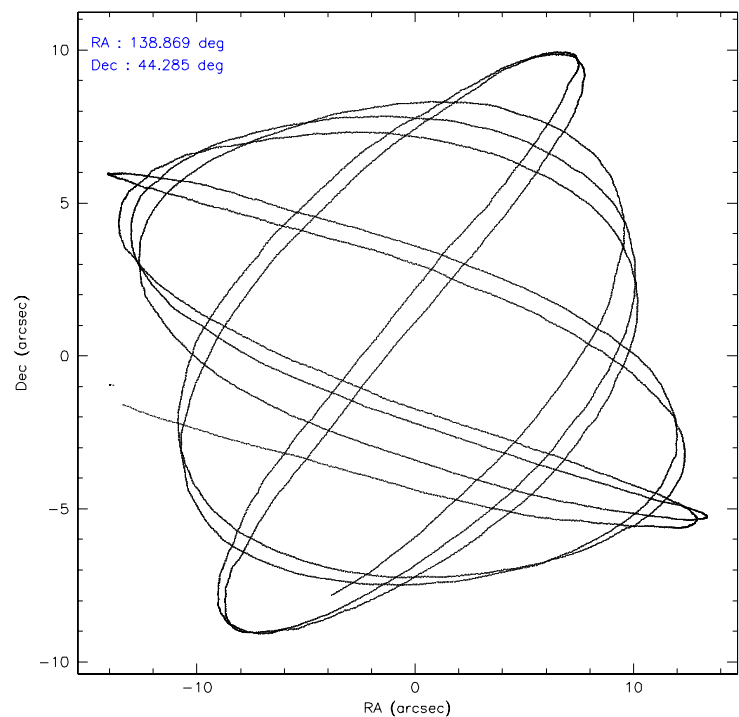
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34606	31157	31418	32881	18767	40907
rejected events	31831	28698	11702	30057	8194	31924
rejected %	91%	92%	37%	91%	43%	78%

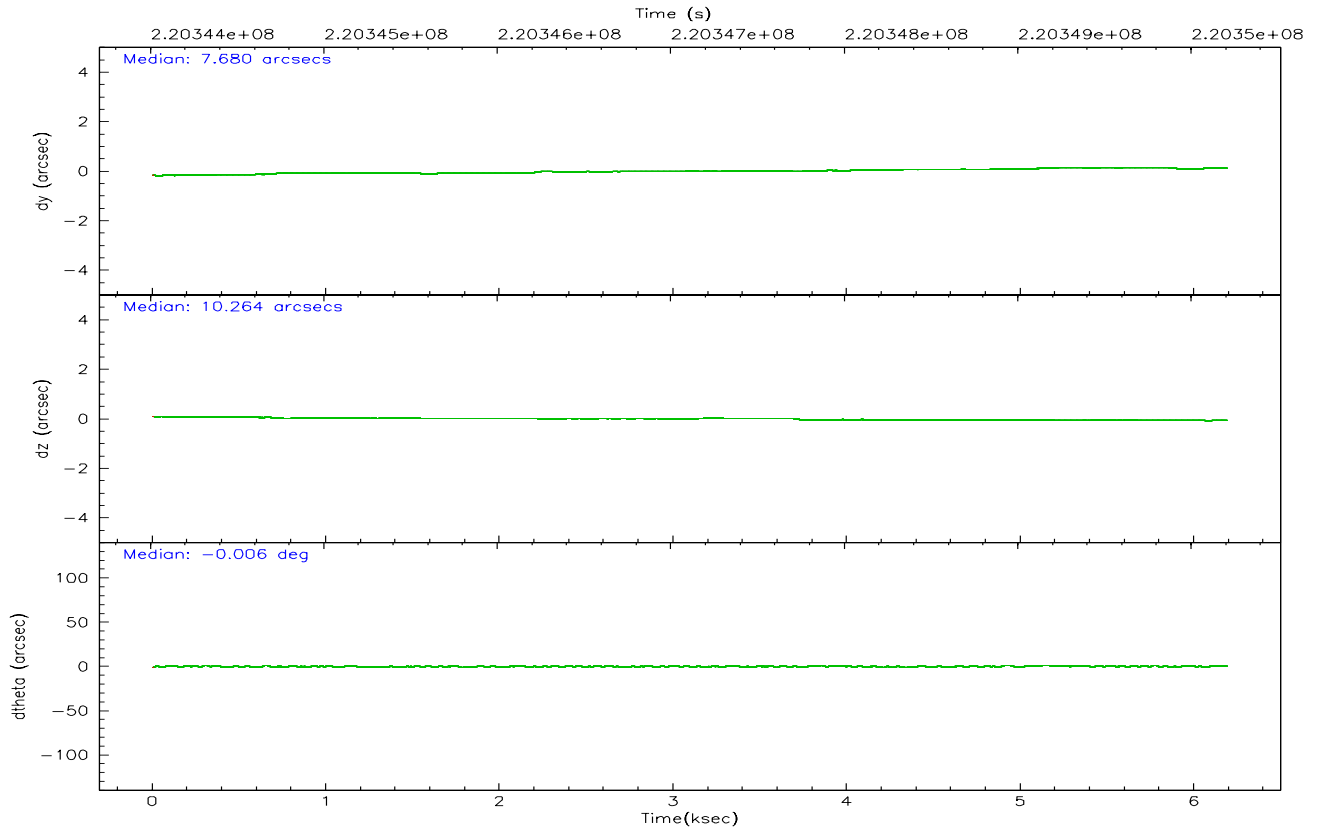
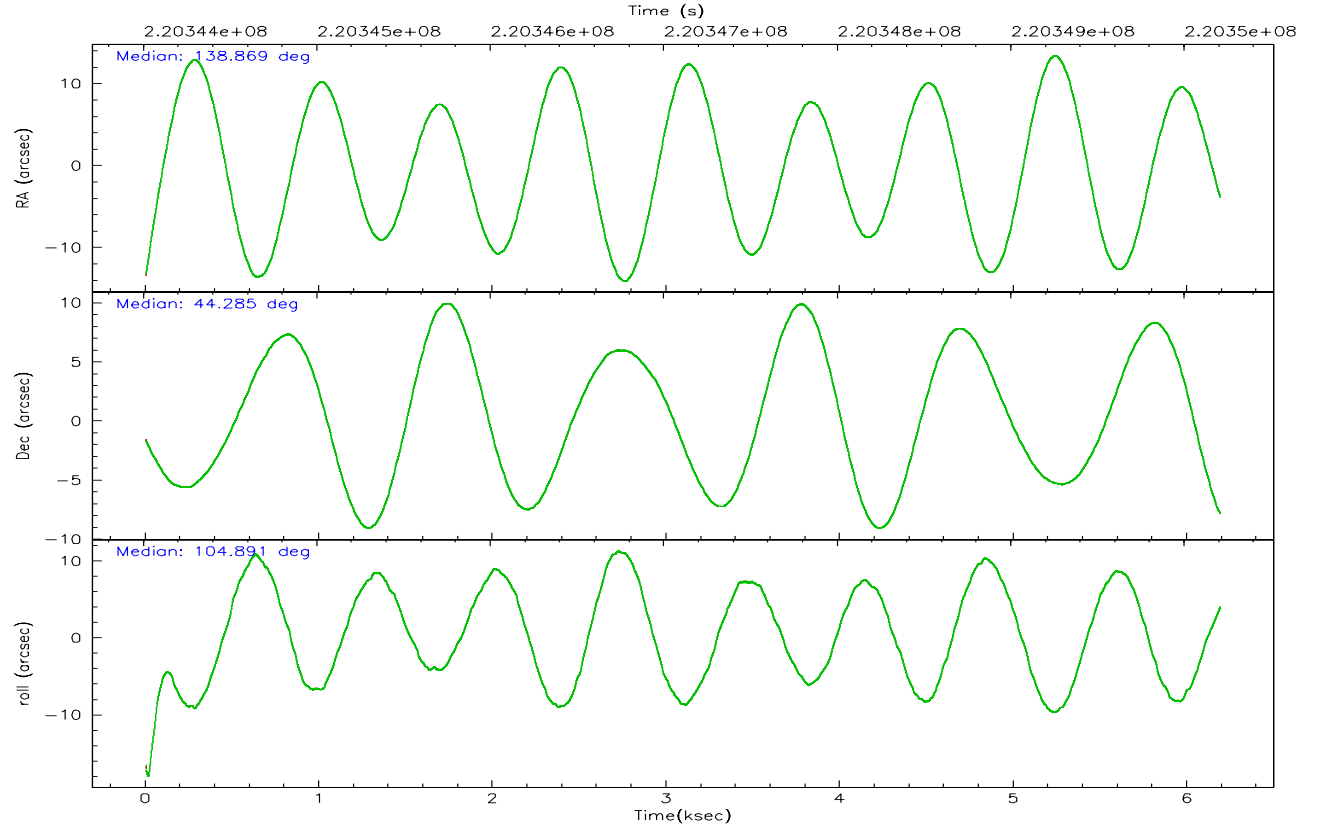
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1170	997	4334	1232	1115	2798
	3%	3%	13%	3%	5%	6%
grade 1 events	22	10	61	9	19	34
	0%	0%	0%	0%	0%	0%
grade 2 events	635	509	6073	570	2960	2082
	1%	1%	19%	1%	15%	5%
grade 3 events	299	291	648	304	854	986
	0%	0%	2%	0%	4%	2%
grade 4 events	299	289	636	309	820	951
	0%	0%	2%	0%	4%	2%
grade 5 events	486	638	1669	635	1535	1083
	1%	2%	5%	1%	8%	2%
grade 6 events	372	373	8036	411	4829	2166
	1%	1%	25%	1%	25%	5%
grade 7 events	31323	28050	9961	29411	6635	30807
	90%	90%	31%	89%	35%	75%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	138.896067	138.8689194294806	Alternating exposures requested	N	N
Pointing Dec	44.266439	44.28542621376084	Primary exposure time	0.000000	3.2
Pointing Roll	104.720861	104.8963935470136			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	220344209.184000	220343611.23582			
Observation start date	2004-12-25T06:42:25	2004-12-25T06:33:31			
Observation end time	220350209.184000	220350565.86113			
Observation end date	2004-12-25T08:22:25	2004-12-25T08:29:25			
Read mode	TIMED	TIMED			

### 2.3 Aspect





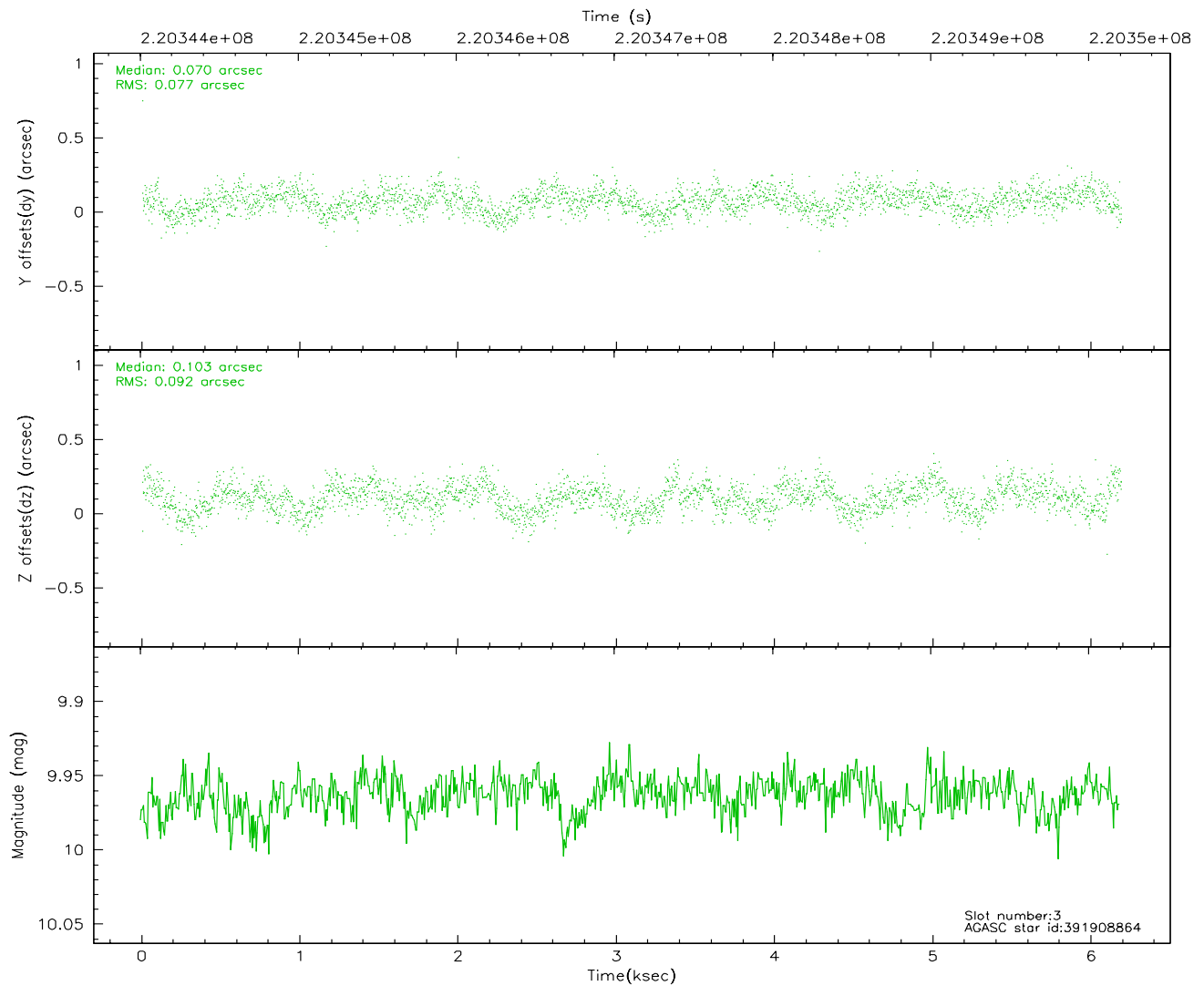
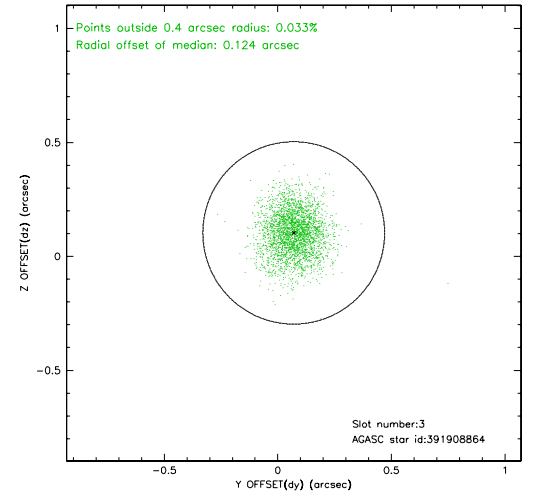
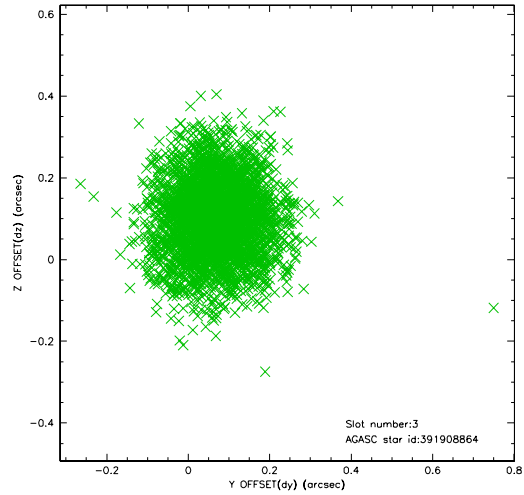
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1510	-0.037	-0.003	0.010	0.018	0.000000	0.000000	-760.44	-1731.54
1	FID	ACIS-S-4	7.21	1510	0.067	0.019	0.010	0.021	0.000000	0.000000	2152.46	176.06
2	FID	ACIS-S-5	7.23	1510	-0.059	-0.008	0.009	0.014	0.000000	0.000000	-1812.12	170.68
3	GUIDE	391908864	9.96	3019	0.070	0.103	0.128	0.207	139.810958	43.824293	-2130.06	-1896.95
4	GUIDE	391910656	8.97	3013	0.155	-0.051	0.078	0.124	138.431486	43.827826	-1217.74	1566.96
5	GUIDE	391912112	7.74	3019	-0.160	-0.009	0.064	0.099	138.344023	44.310586	519.30	1334.66
6	GUIDE	391913136	9.03	3014	0.123	-0.132	0.075	0.120	138.783763	44.049913	-680.75	479.81
7	GUIDE	391917520	6.60	3018	-0.190	0.091	0.052	0.079	138.959805	44.697917	1460.86	-551.80

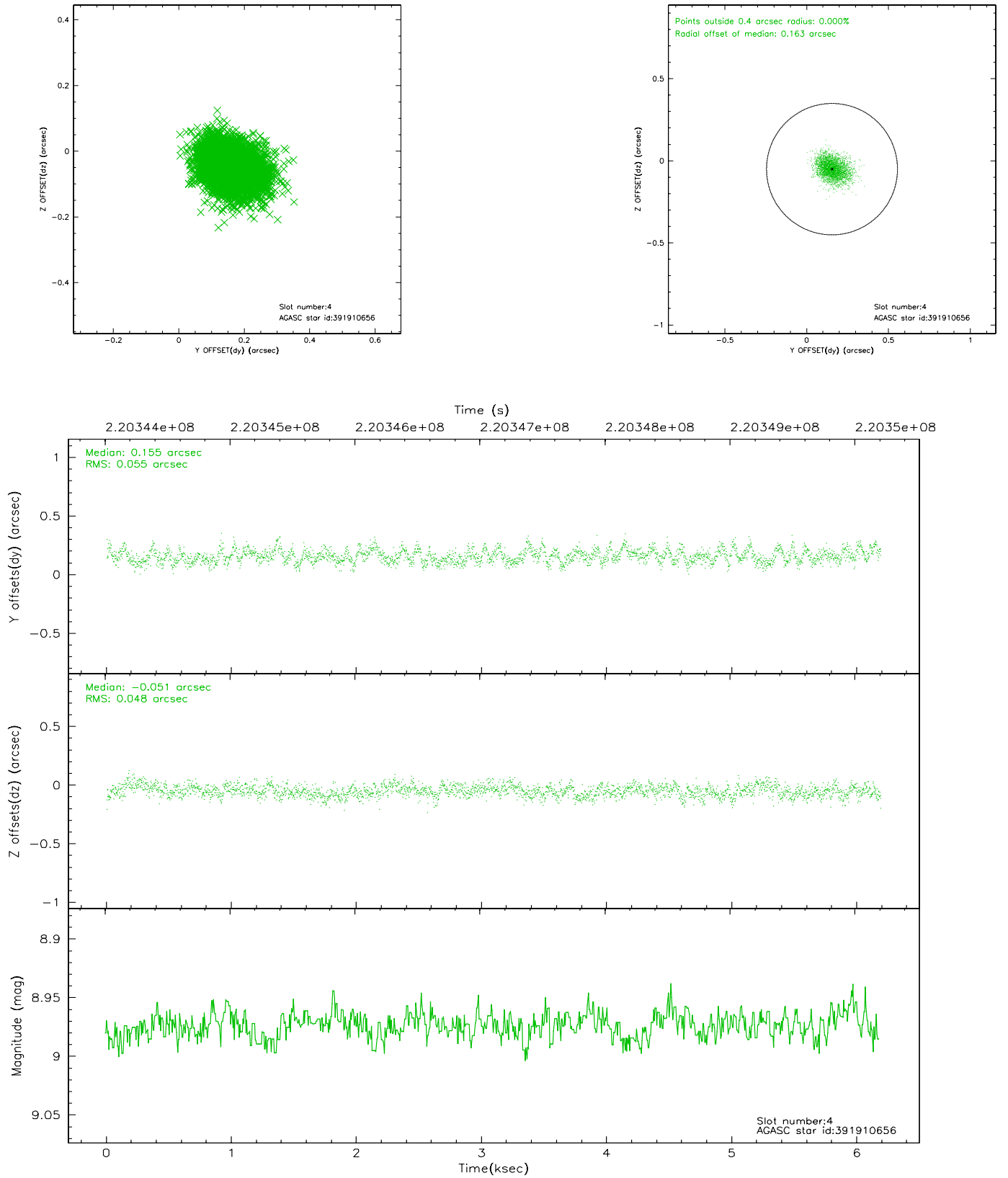


## 2.4 Star Slots

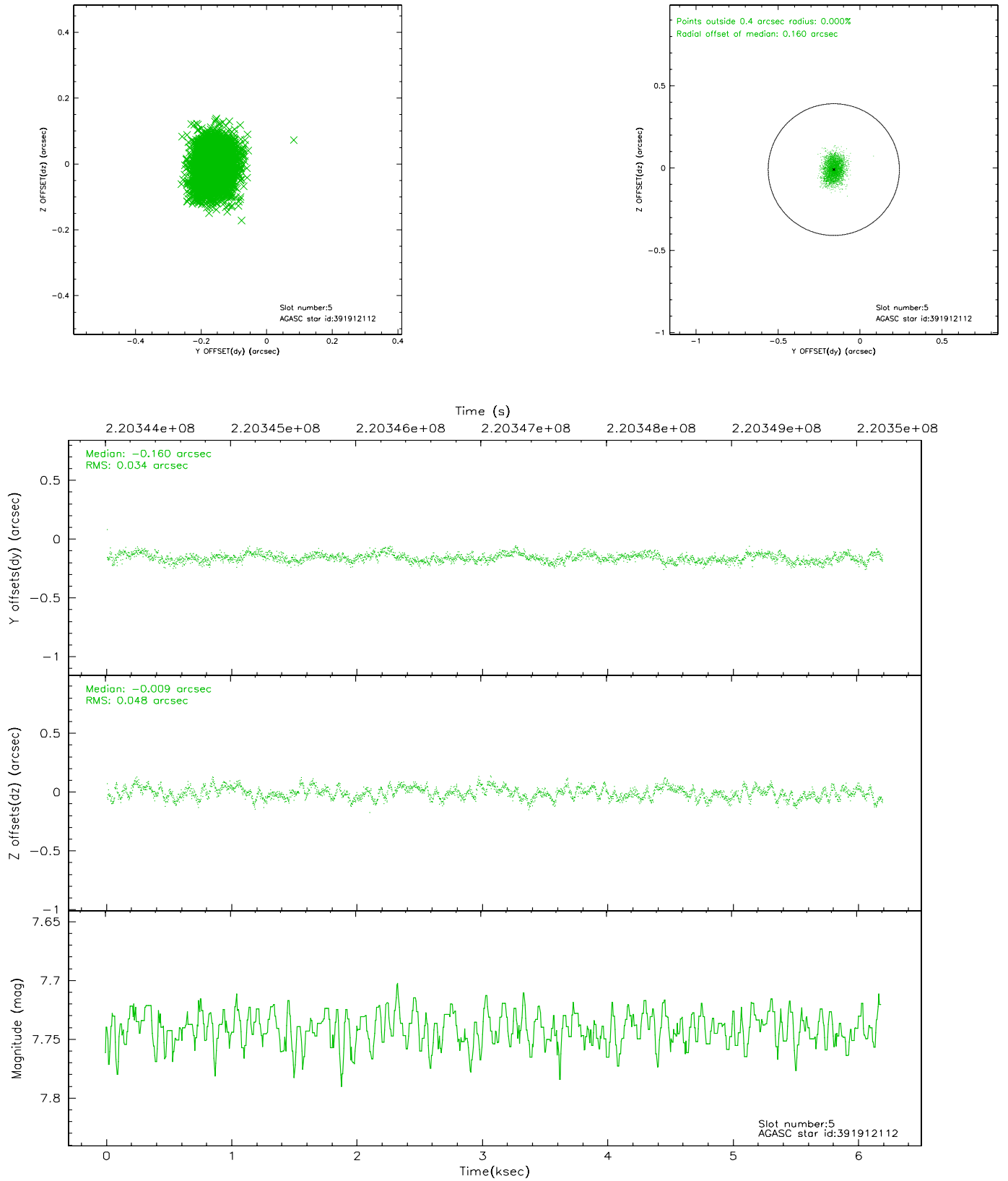
### 2.4.1 Slot 3



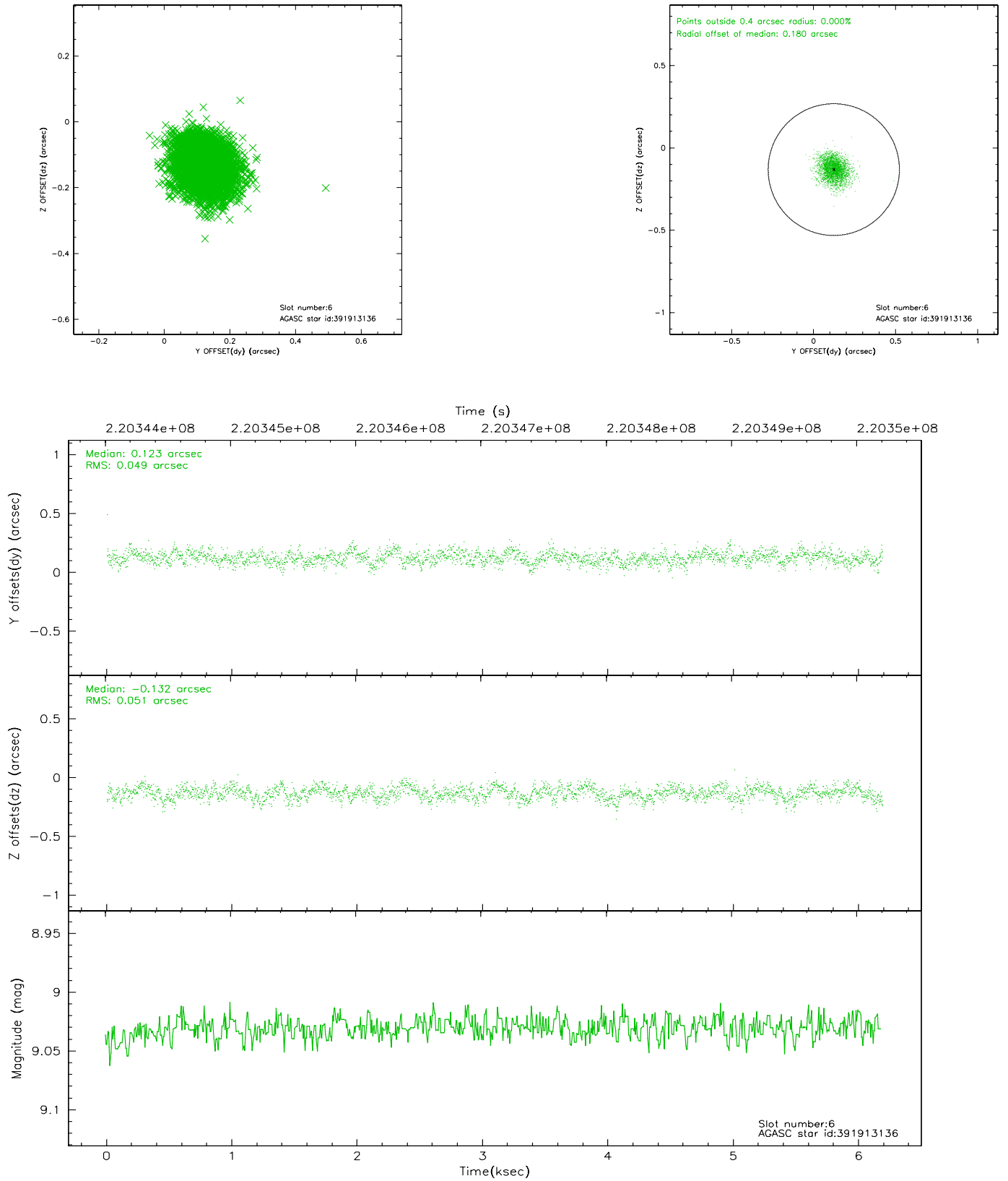
## 2.4.2 Slot 4



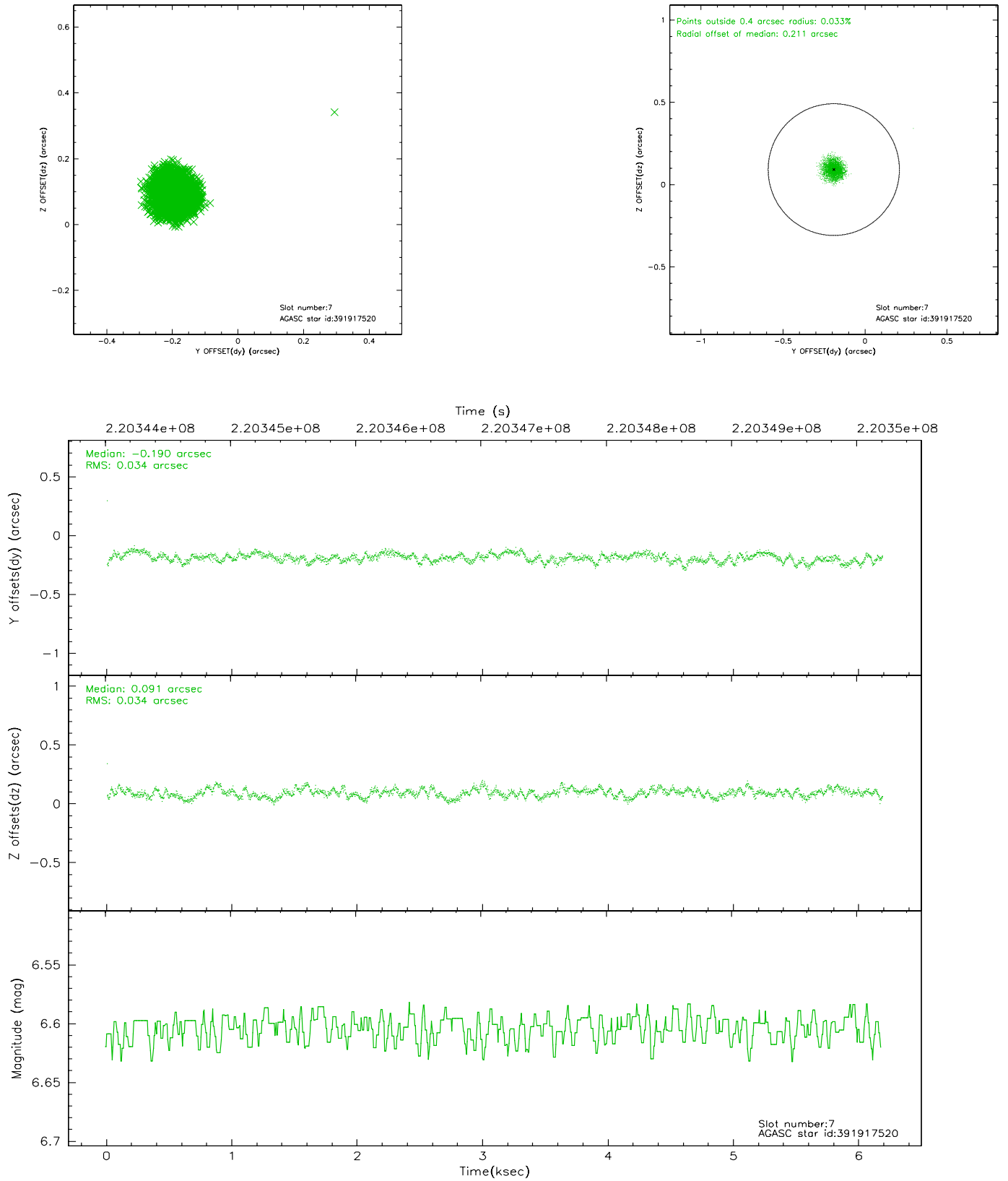
### 2.4.3 Slot 5



## 2.4.4 Slot 6

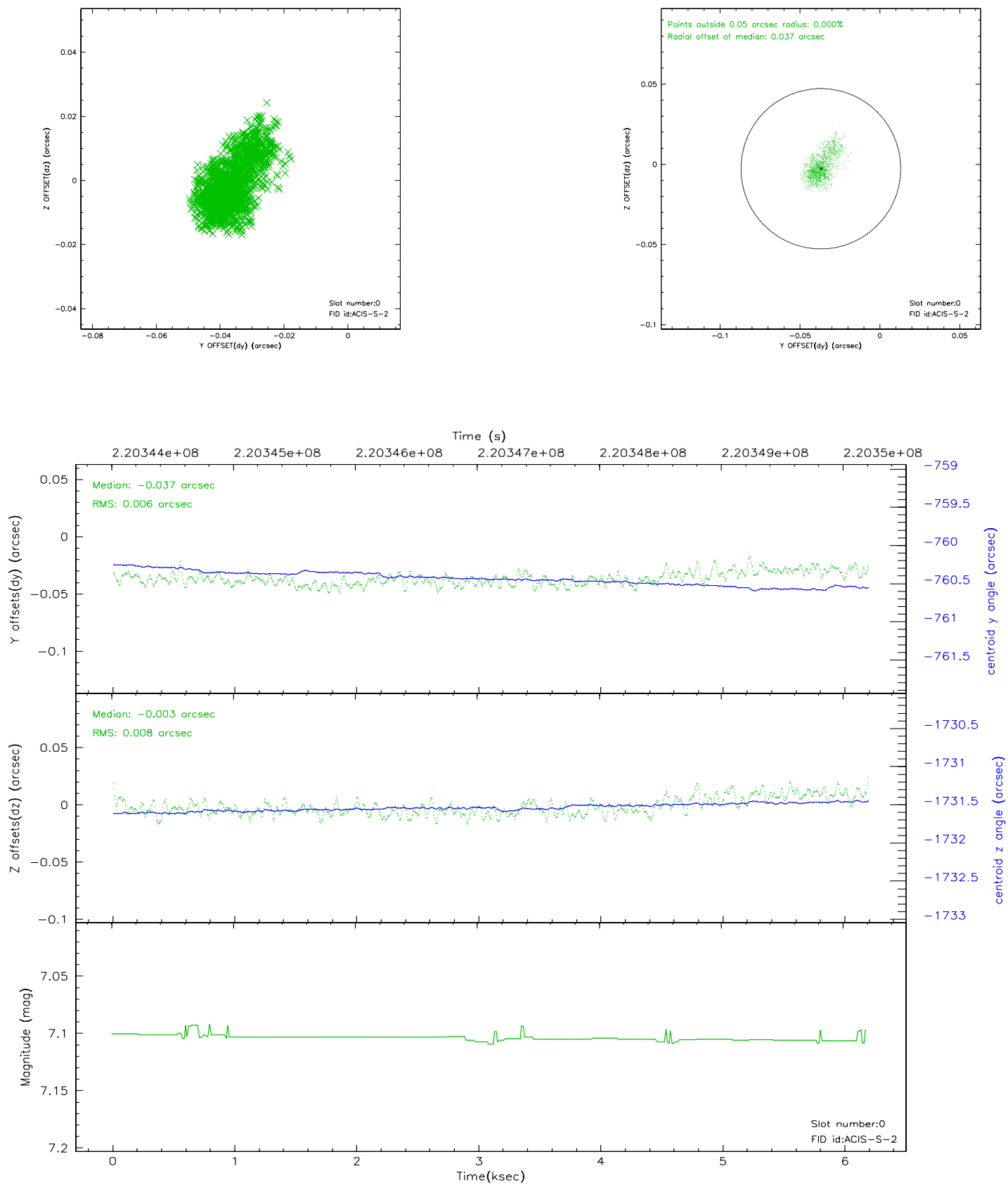


## 2.4.5 Slot 7

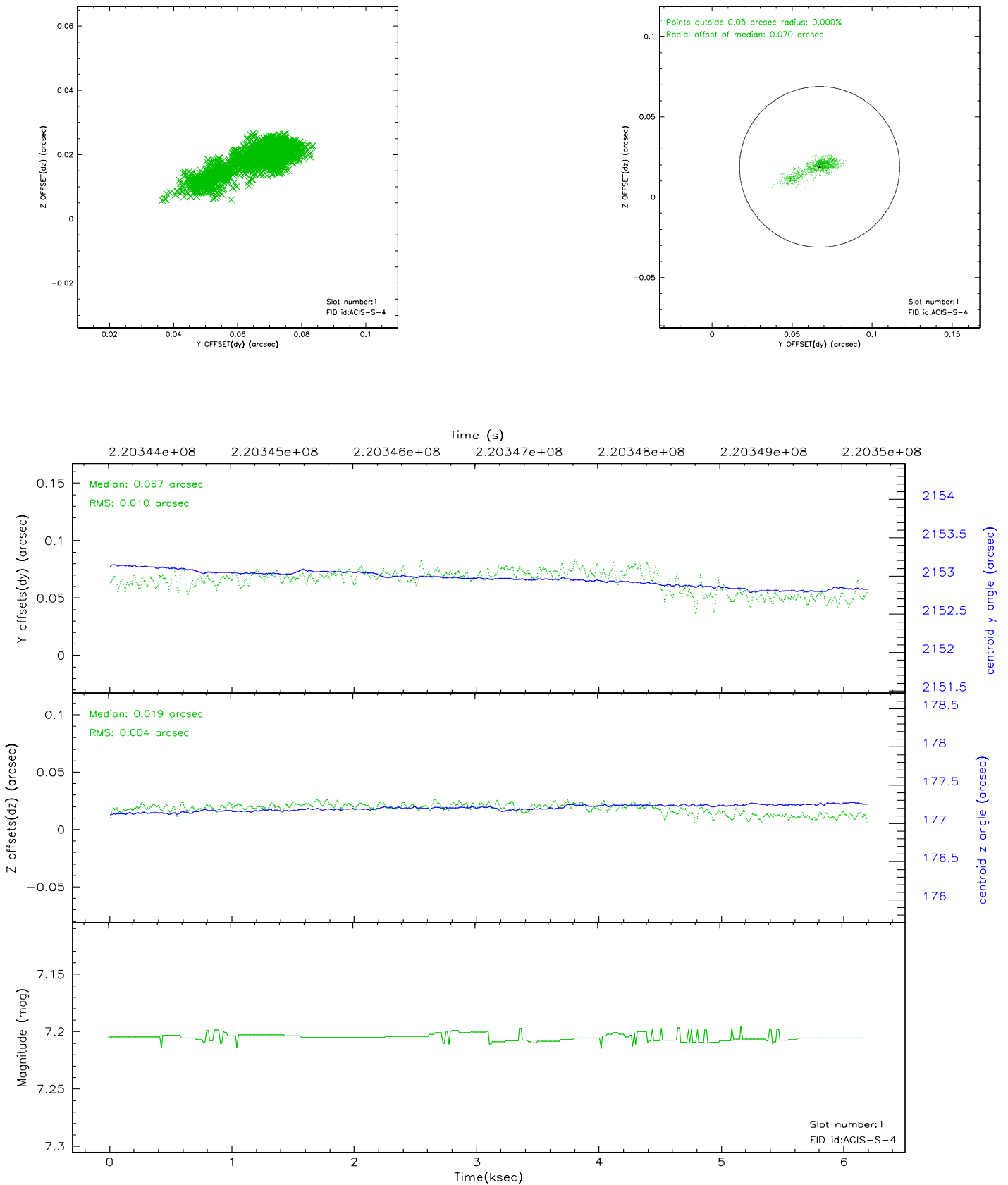


## 2.5 FID Slots

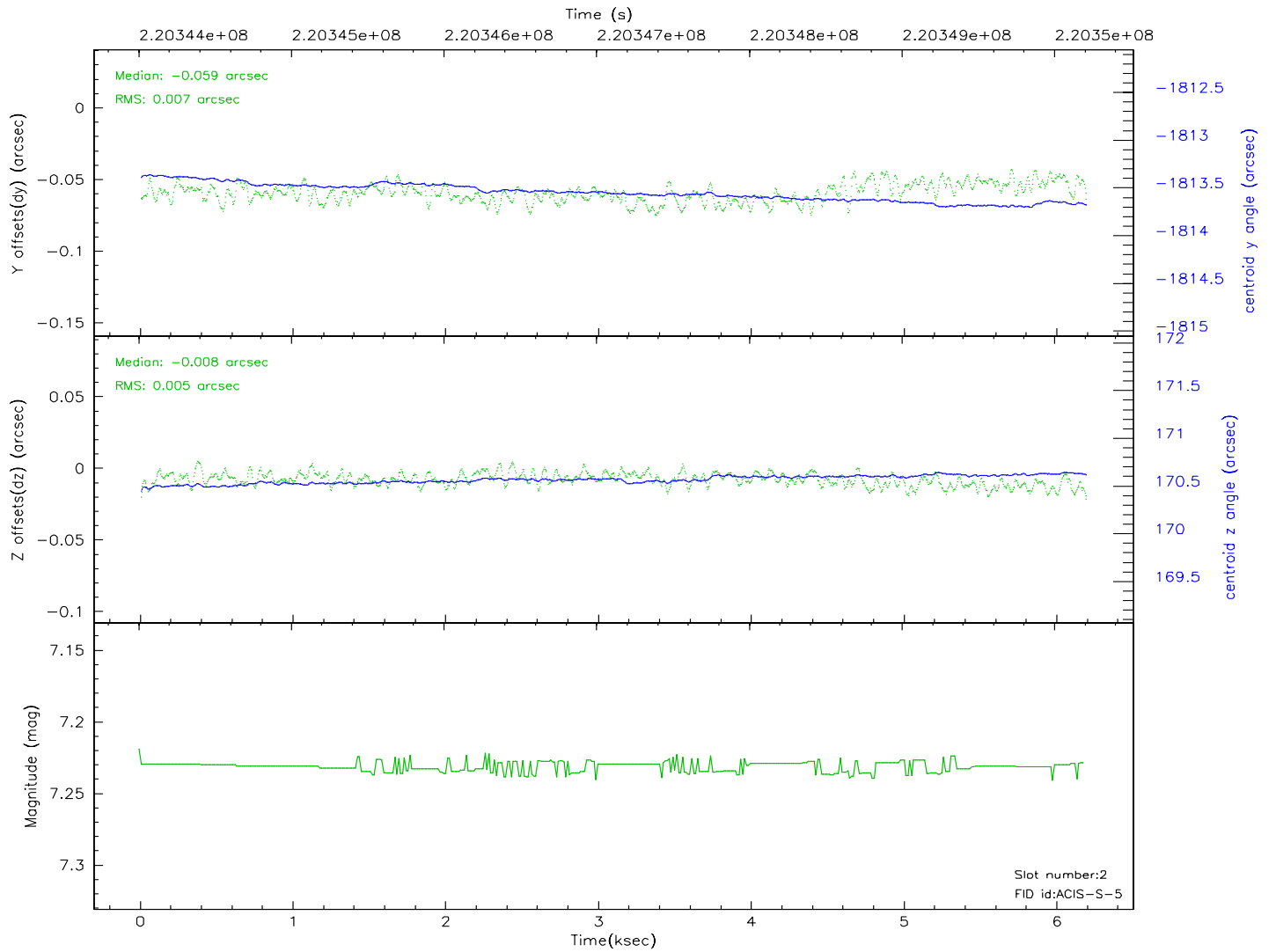
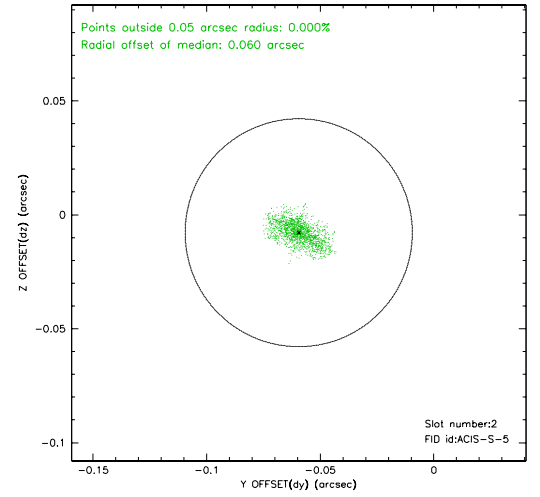
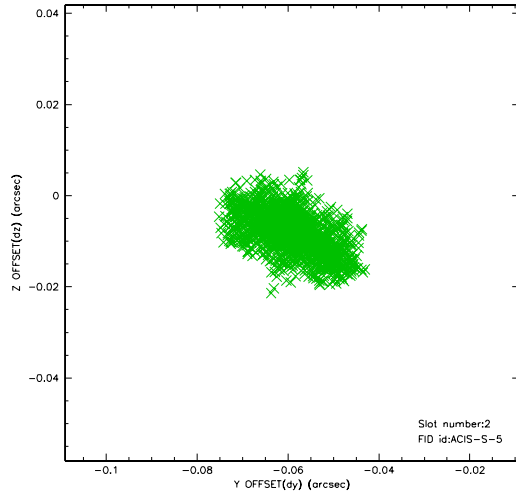
### 2.5.1 Slot 0



## 2.5.2 Slot 1

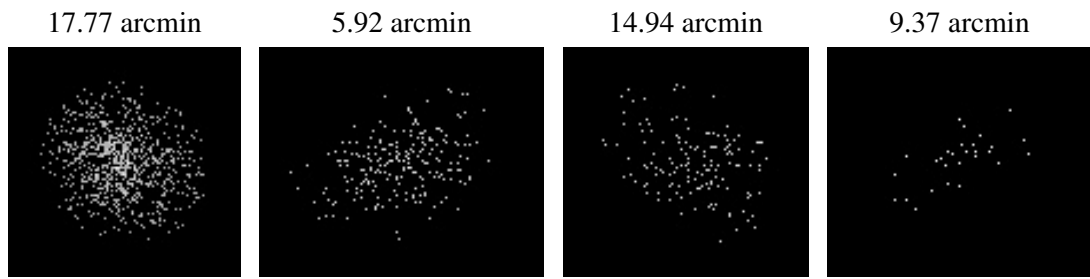


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.753599

### A.2 Comments