

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5030 - L2 Version 001  
Chandra X-Ray Center

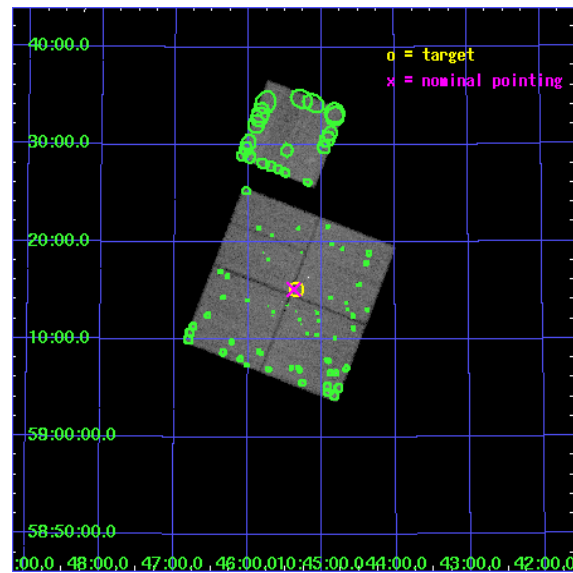
L2 Processing Date : Apr 16 2006

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# 1 Front

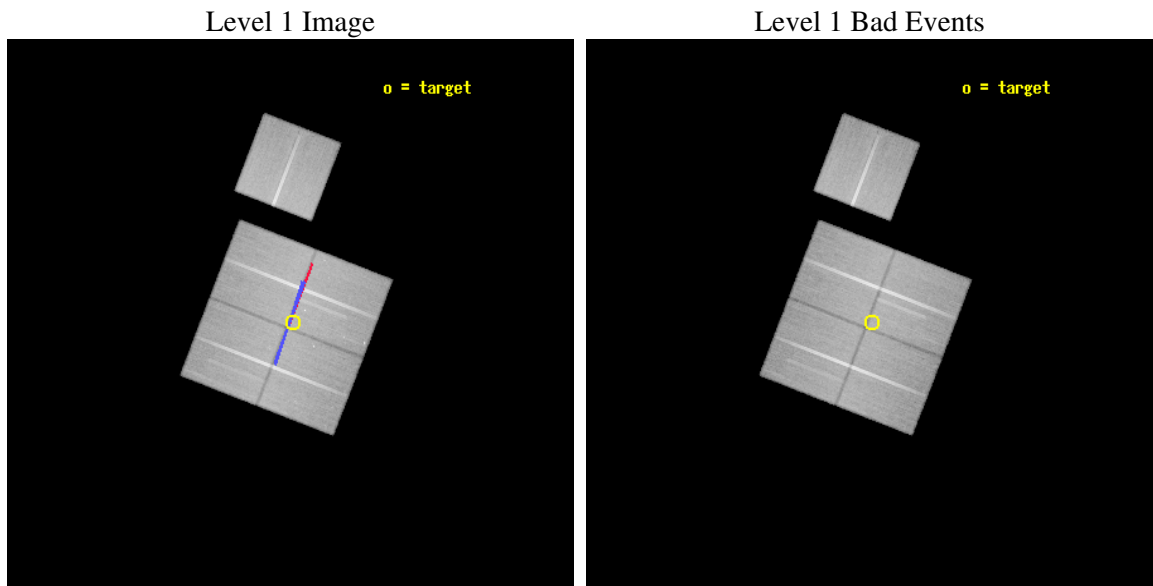
seq_num	900337
obs_id	5030
title	The Balance of Power between Starbursts and AGN: a Chandra/SIRTf Survey.
observer	Dr. BELINDA WILKES
object	SWIRE LOCKMAN 8
dtcycle	0
cycle	P
ra_targ	161.33567
dec_targ	59.2531
ra_nom	161.34473228825
dec_nom	59.252956136125
roll_nom	21.200890720279
revision	2
ontime	66618.91791147
livetime	65748.492704823
ontime0	66609.495020747
ontime1	66615.776951283
ontime2	66615.776941359
ontime3	66618.91791147
ontime6	66622.05888176
l2events	257710



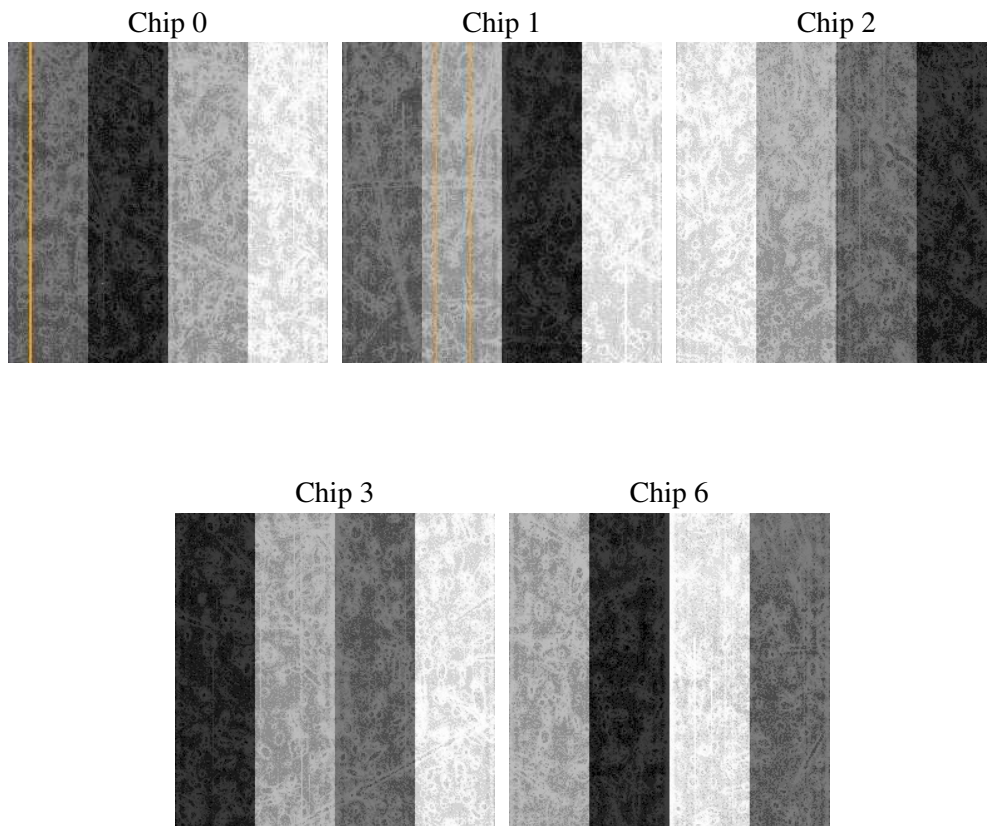
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-16T18:18:40
revision	2

sched_exp_time	66500.000000
ontime	68206.838359237
ontime0	68197.415468514
ontime1	68203.69739905
ontime2	68203.697389126
ontime3	68206.838359237
ontime6	68209.979329526
l1events	2499505

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	479545	482066	513455	513103	511336
rejected events	419336	418532	455597	453417	454139
rejected %	87%	86%	88%	88%	88%

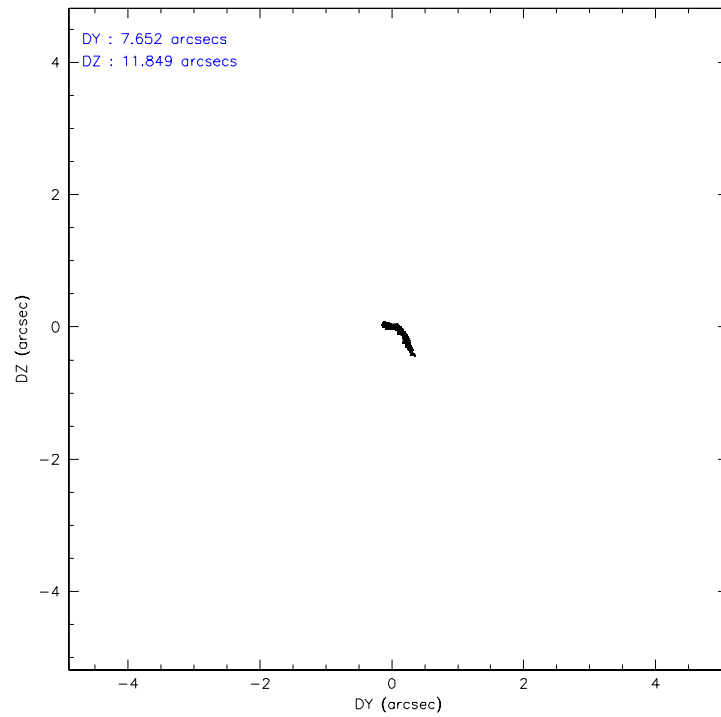
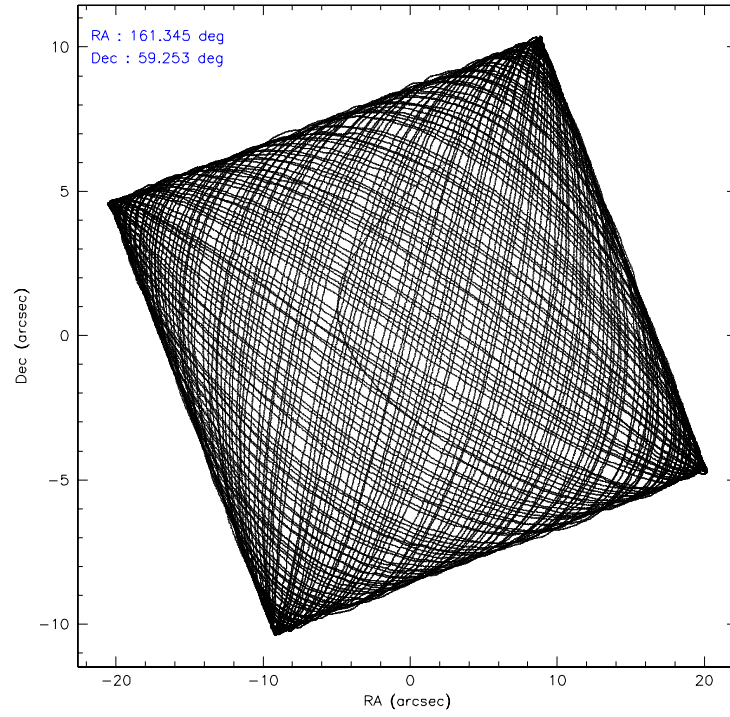
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	26063	26000	26075	26906	22445
	5%	5%	5%	5%	4%
grade 1 events	288	255	311	323	226
	0%	0%	0%	0%	0%
grade 2 events	13224	13986	11937	11747	12362
	2%	2%	2%	2%	2%
grade 3 events	6176	6422	5556	5977	5942
	1%	1%	1%	1%	1%
grade 4 events	5626	6257	5792	5886	5833
	1%	1%	1%	1%	1%
grade 5 events	20800	21909	20256	23299	23484
	4%	4%	3%	4%	4%
grade 6 events	10537	12481	9878	10628	12008
	2%	2%	1%	2%	2%
grade 7 events	396831	394756	433650	428337	429036
	82%	81%	84%	83%	83%

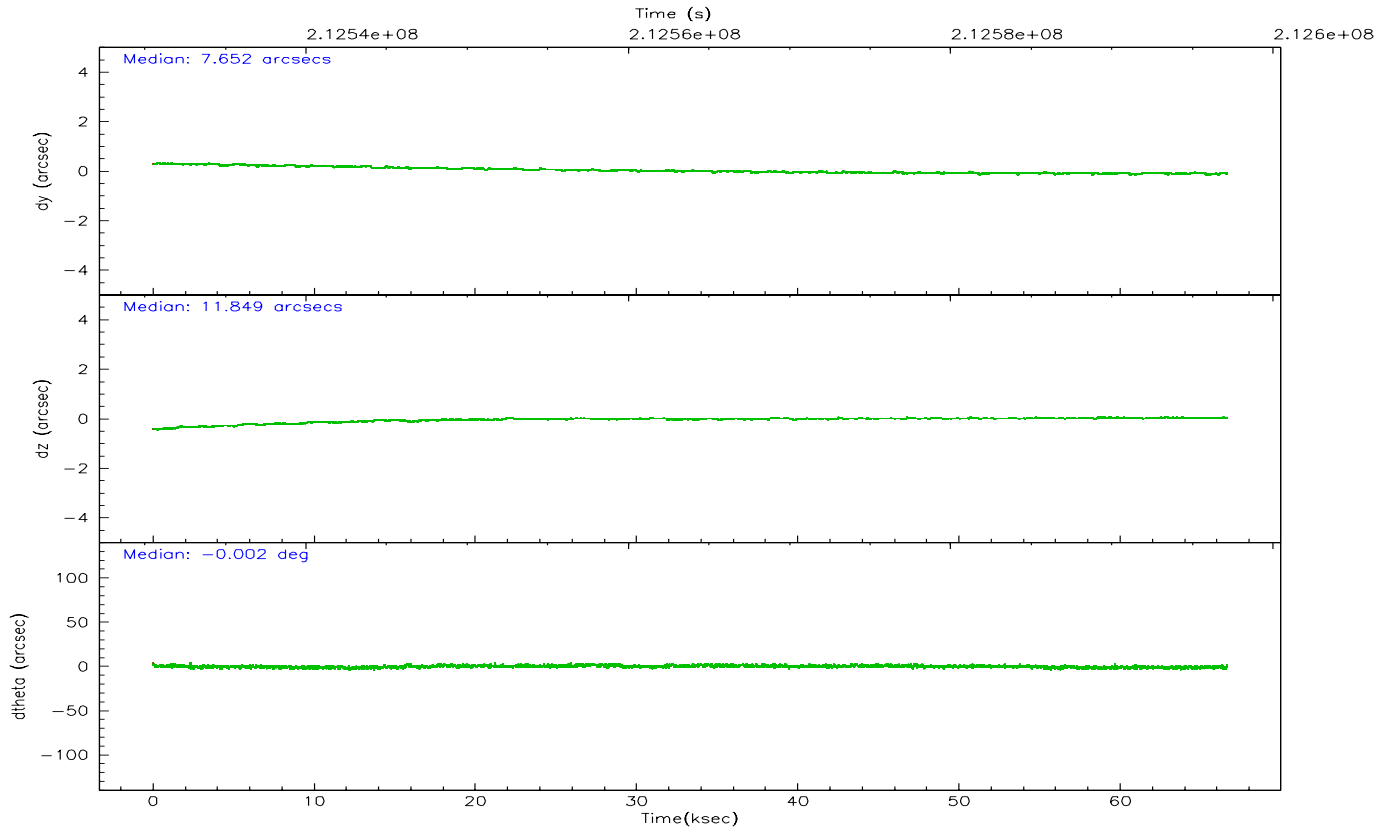
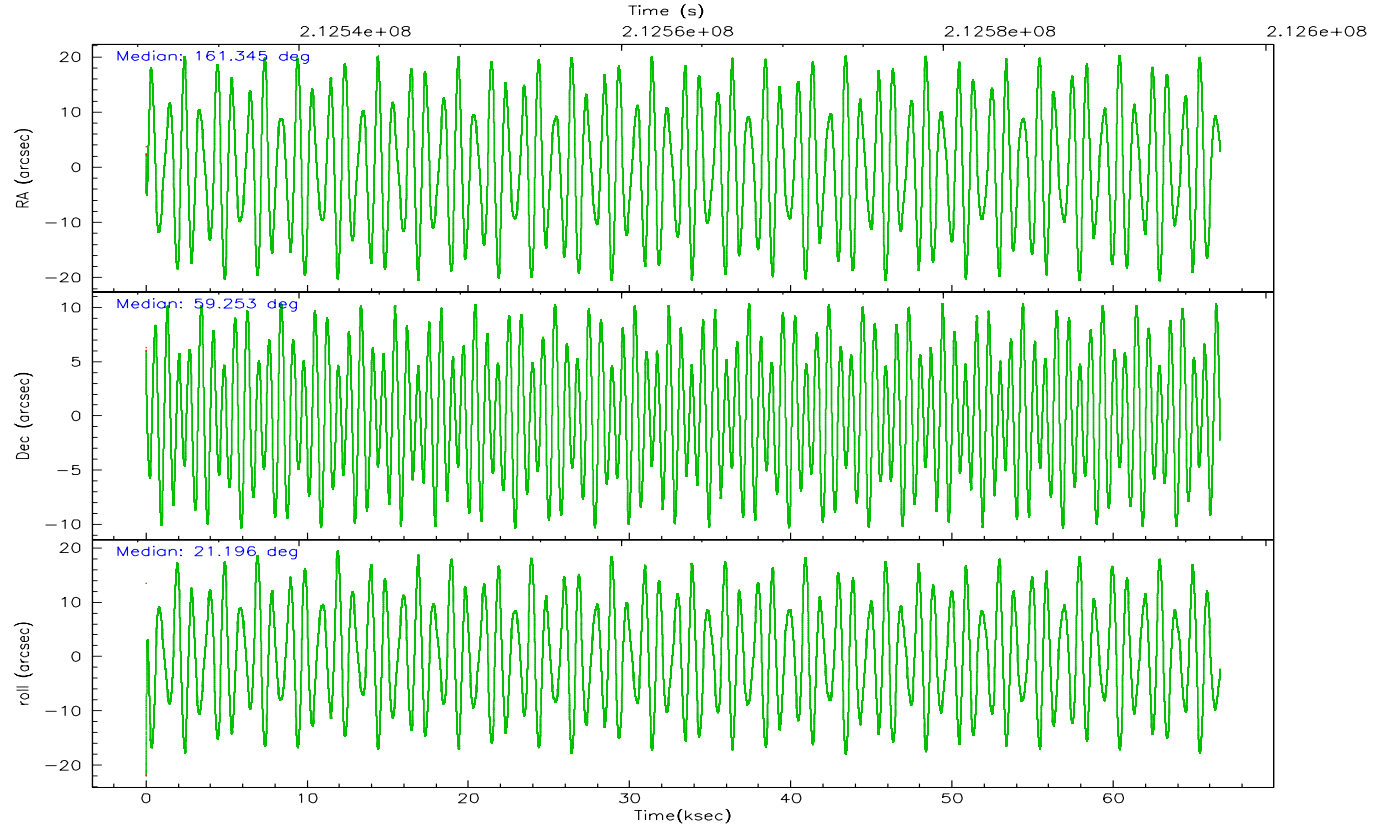


## 2.2 Compared Parameters

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	161.311370	161.3447322882524	Alternating exposures requested	N	N
Pointing Dec	59.231541	59.25295613612494	Primary exposure time	0.000000	3.1
Pointing Roll	21.020877	21.20089072027901			
Roll angle	19.200000	19.200000			
Roll tolerance	1.800000	1.800000			
Roll constraint allows 180D rotation	Y	Y			
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	212530651.184000	212528892.4978			
Observation start date	2004-09-25T20:16:27	2004-09-25T19:48:12			
Observation end time	212597151.184000	212597284.60086			
Observation end date	2004-09-26T14:44:47	2004-09-26T14:48:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



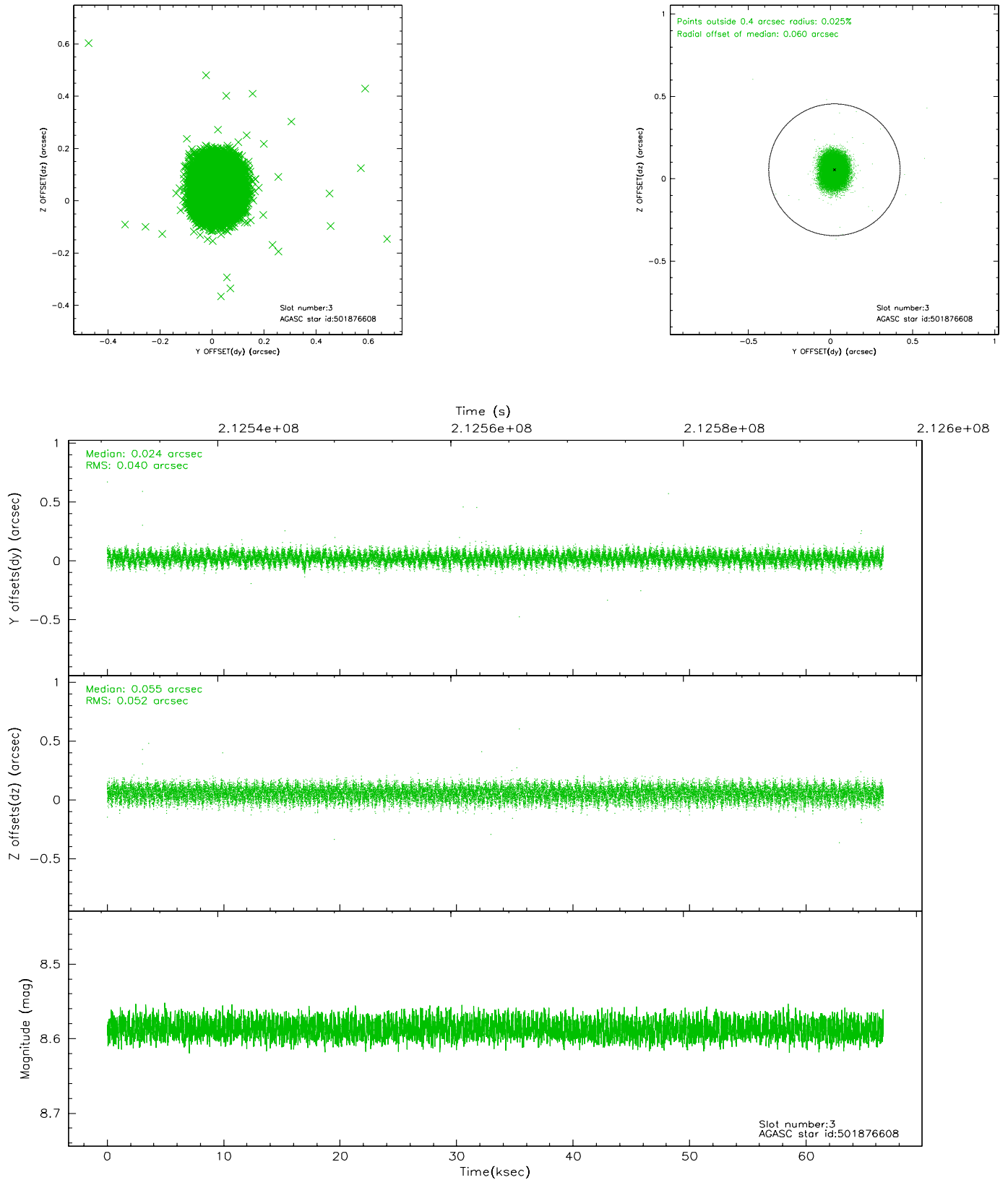


### Slot Statistics

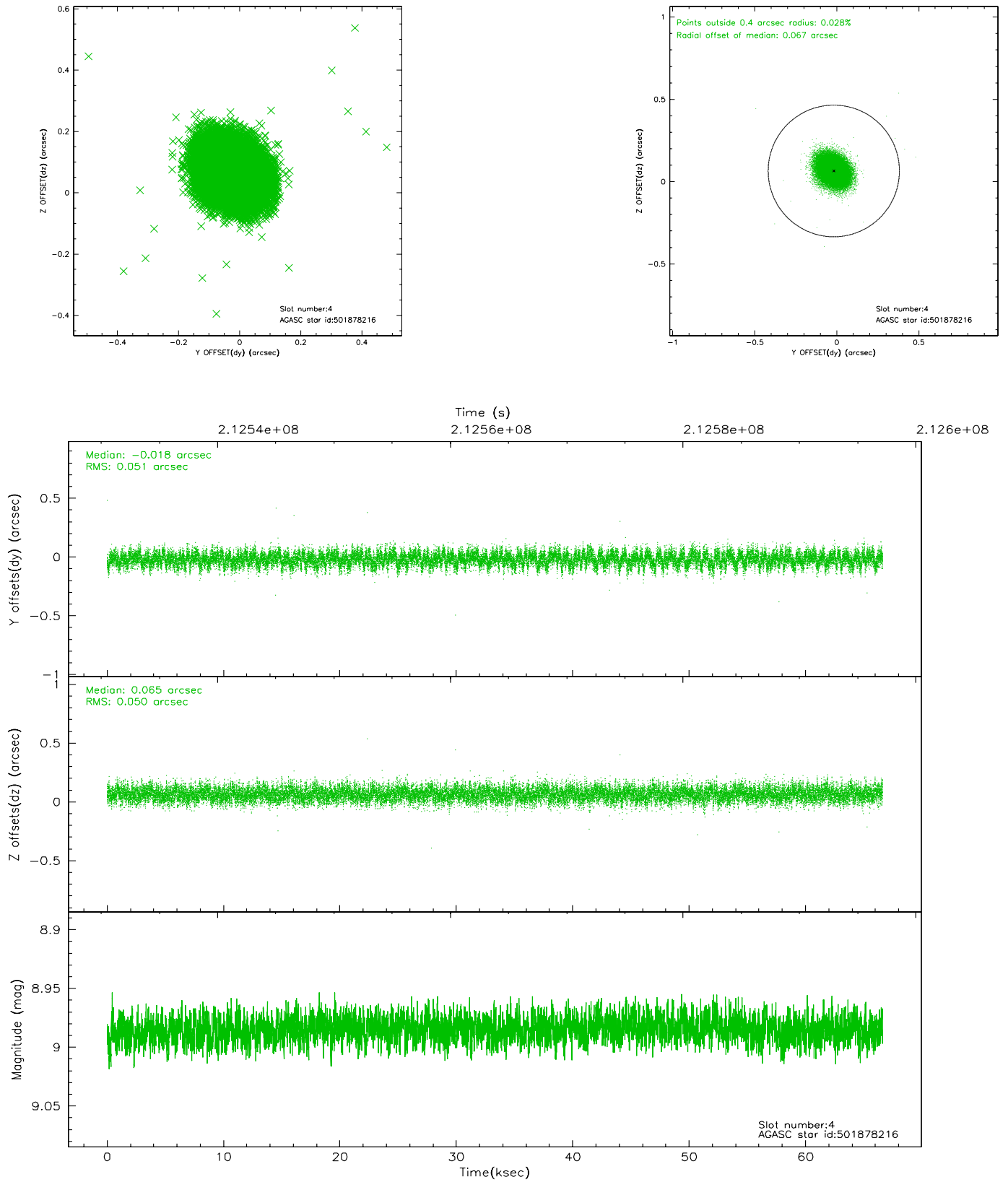
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	16250	-0.061	0.004	0.012	0.021	0.000000	0.000000	931.91	-835.32
1	FID	ACIS-I-2	7.15	16250	-0.103	-0.037	0.013	0.020	0.000000	0.000000	-762.25	-841.77
2	FID	ACIS-I-4	7.17	16250	0.065	0.100	0.011	0.021	0.000000	0.000000	2151.96	1064.60
3	GUIDE	501876608	8.59	32494	0.024	0.055	0.070	0.111	161.204341	58.717464	-850.38	-1655.55
4	GUIDE	501878216	8.98	32487	-0.018	0.065	0.075	0.122	161.663048	59.249982	628.89	-168.47
5	GUIDE	501878576	7.85	32501	-0.063	0.059	0.051	0.083	161.532118	59.060873	161.51	-719.28
6	GUIDE	501880360	8.29	32370	-0.124	-0.072	0.053	0.085	161.850113	59.665463	1476.21	1110.60
7	GUIDE	501882104	8.43	32492	0.184	-0.103	0.067	0.108	160.237120	59.342503	-1691.60	1094.43

## 2.4 Star Slots

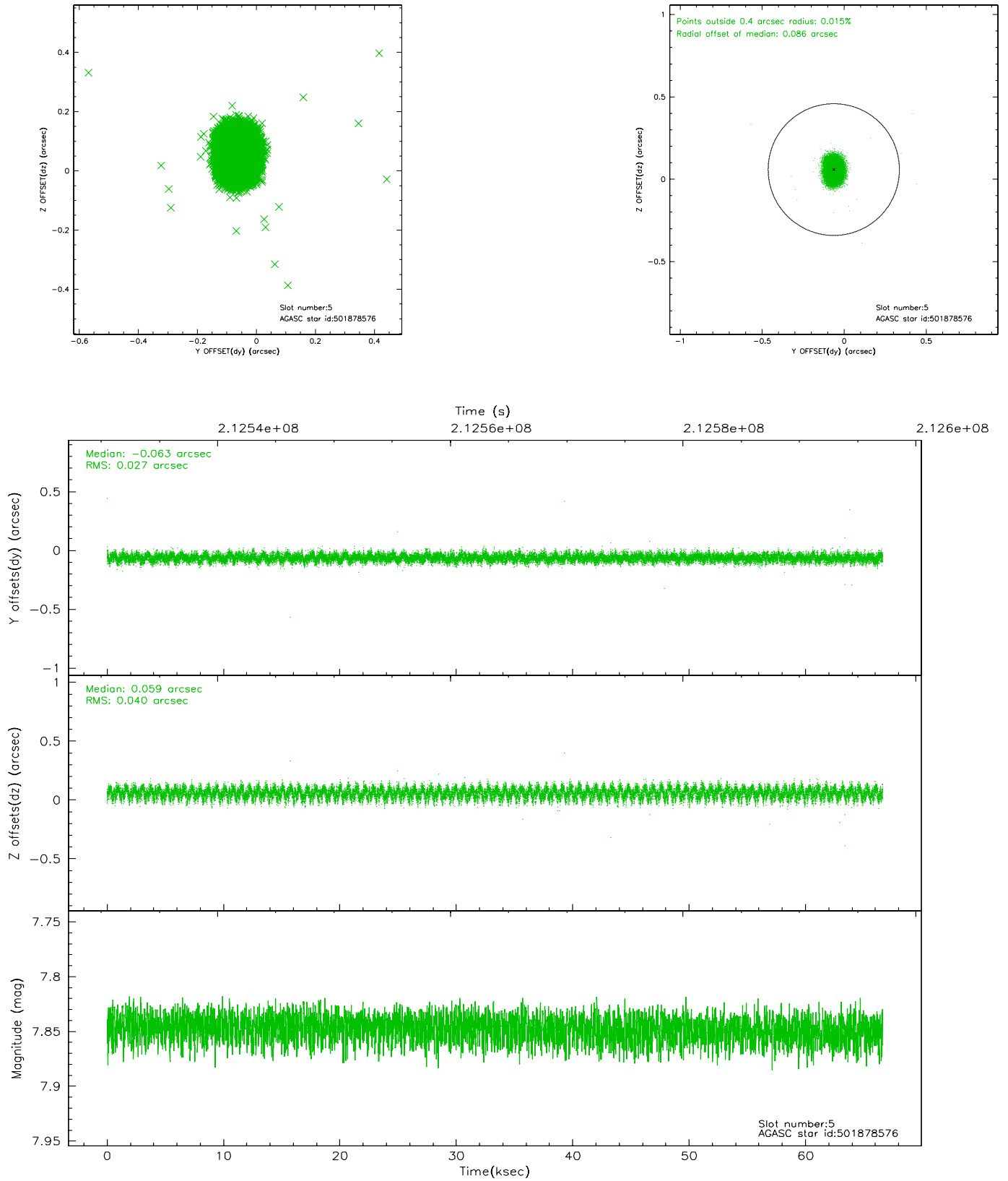
### 2.4.1 Slot 3



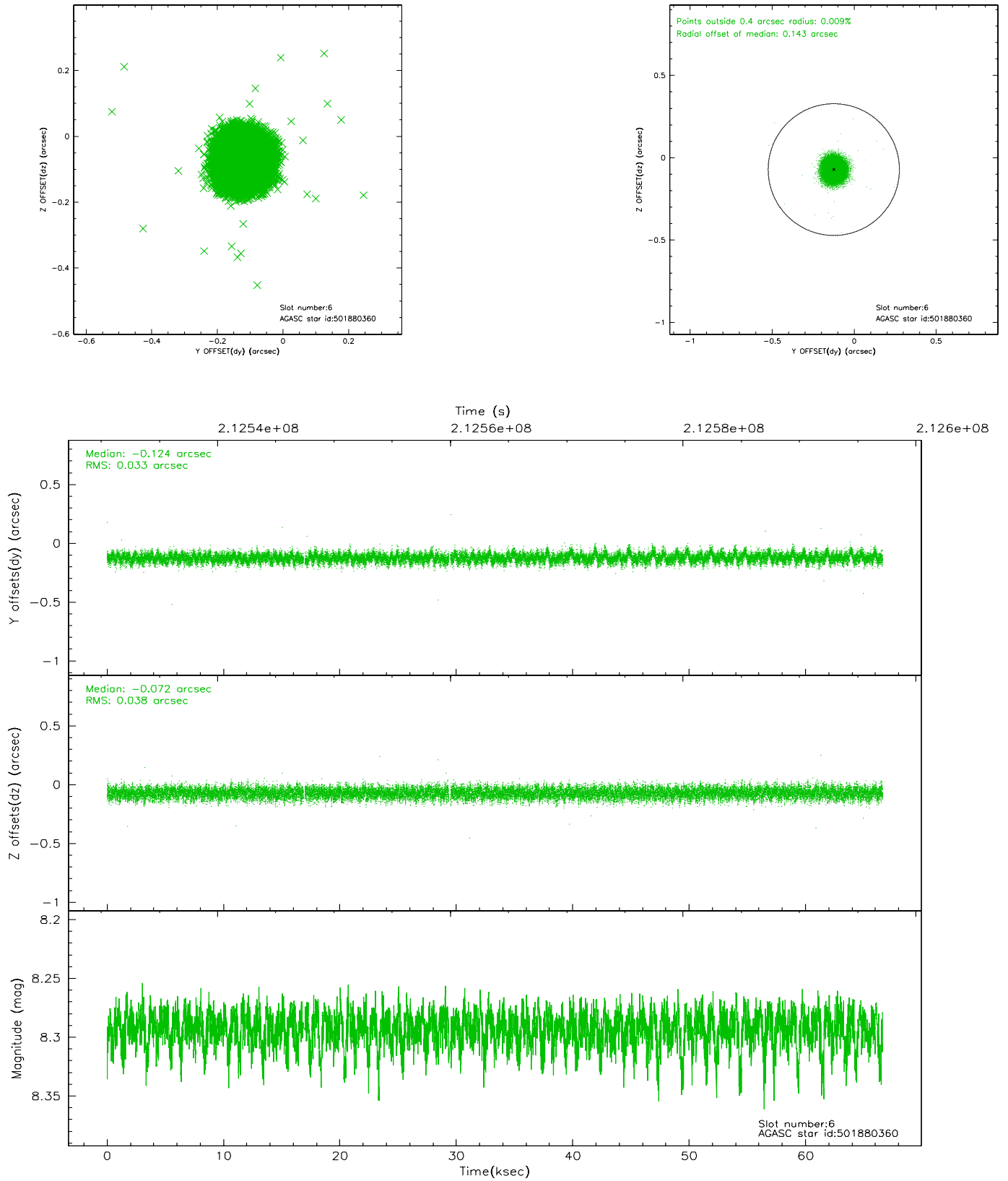
## 2.4.2 Slot 4



### 2.4.3 Slot 5

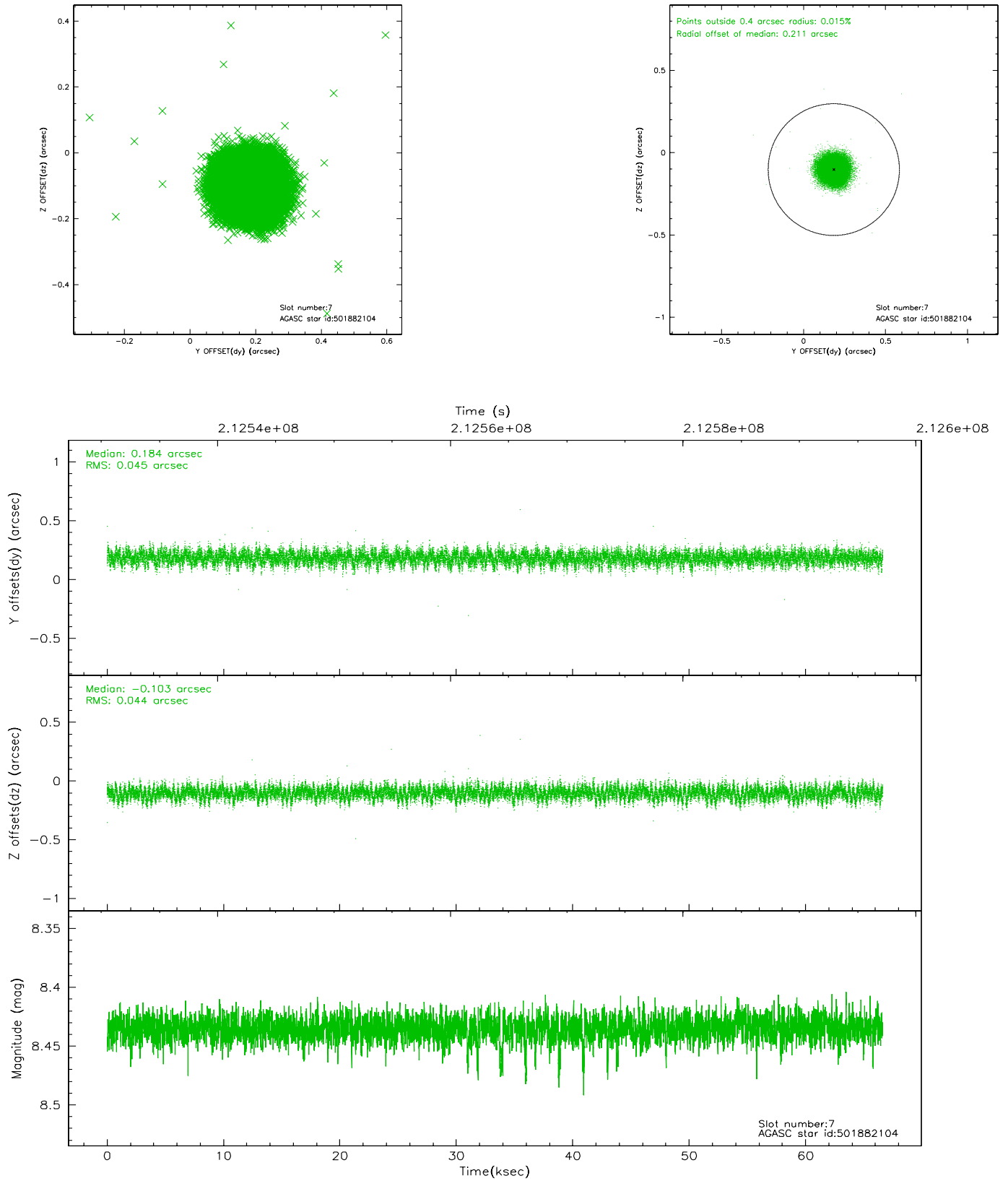


## 2.4.4 Slot 6



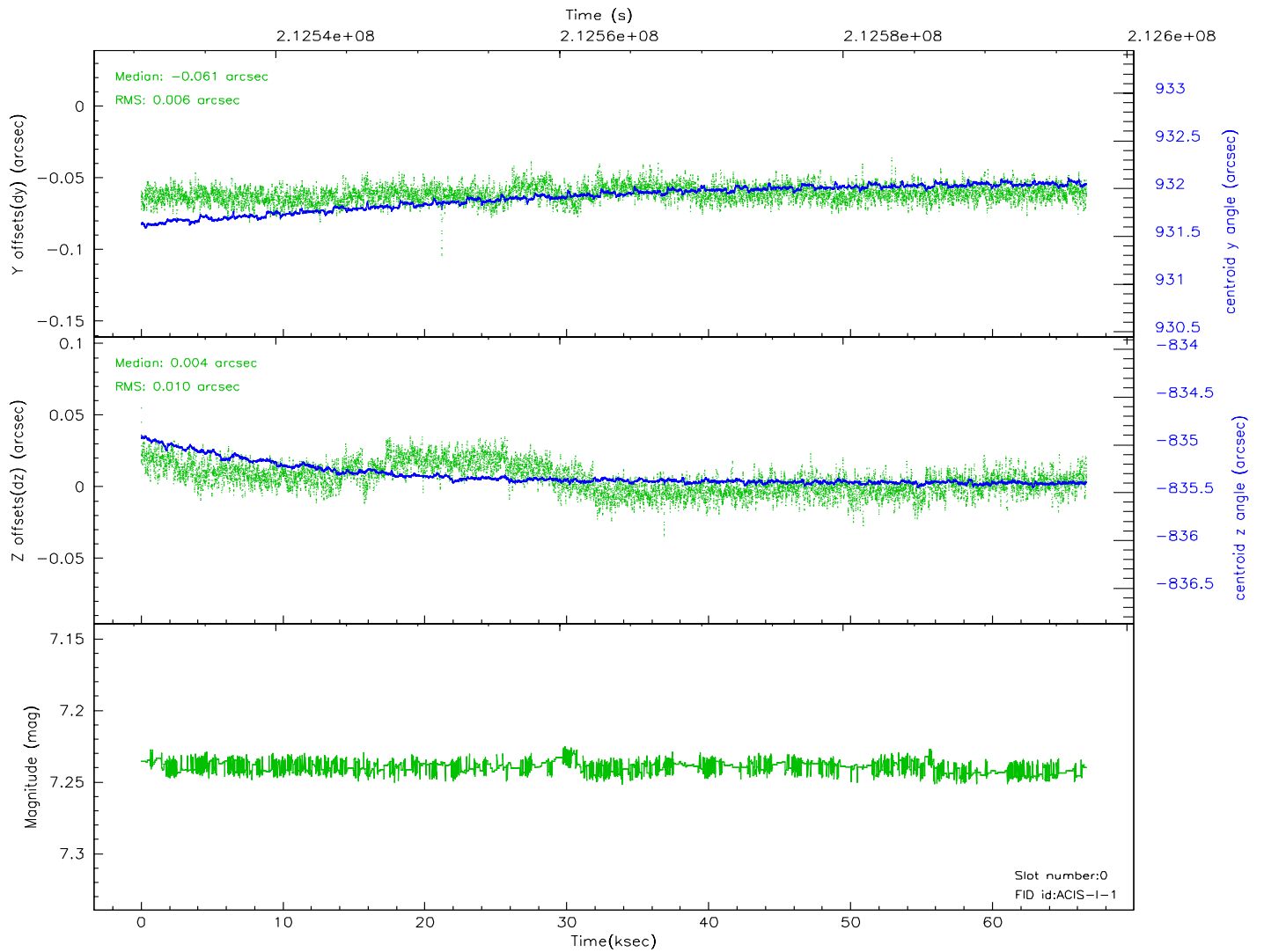
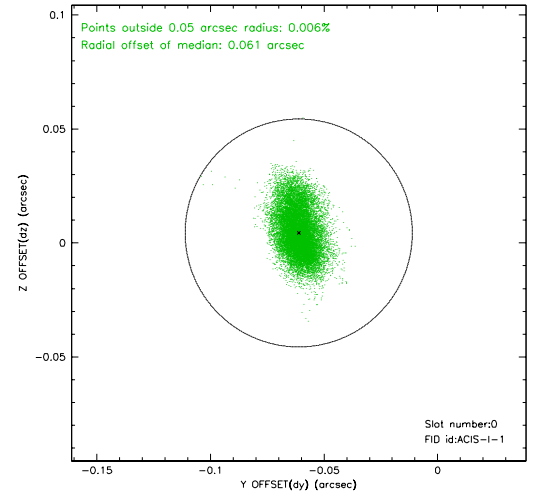
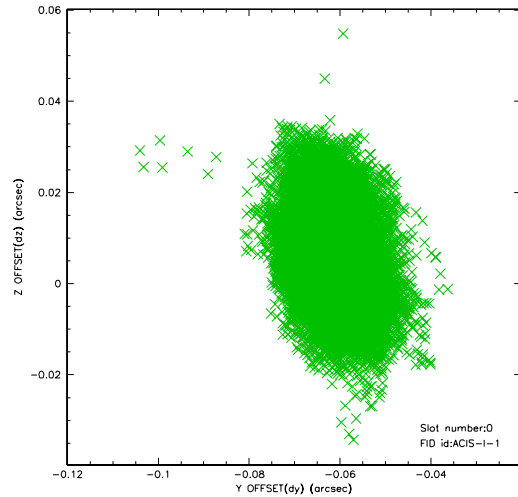


## 2.4.5 Slot 7

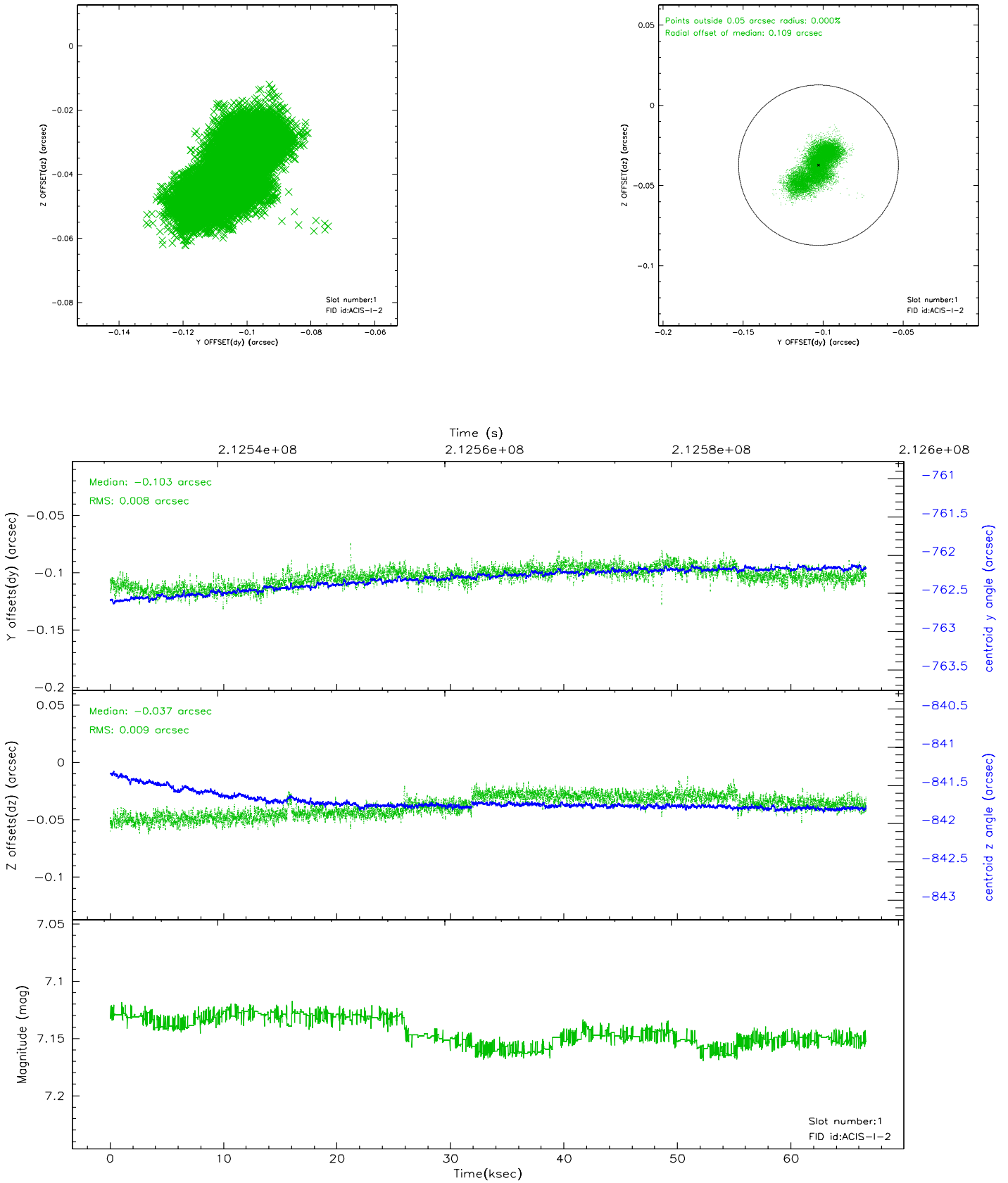


## 2.5 FID Slots

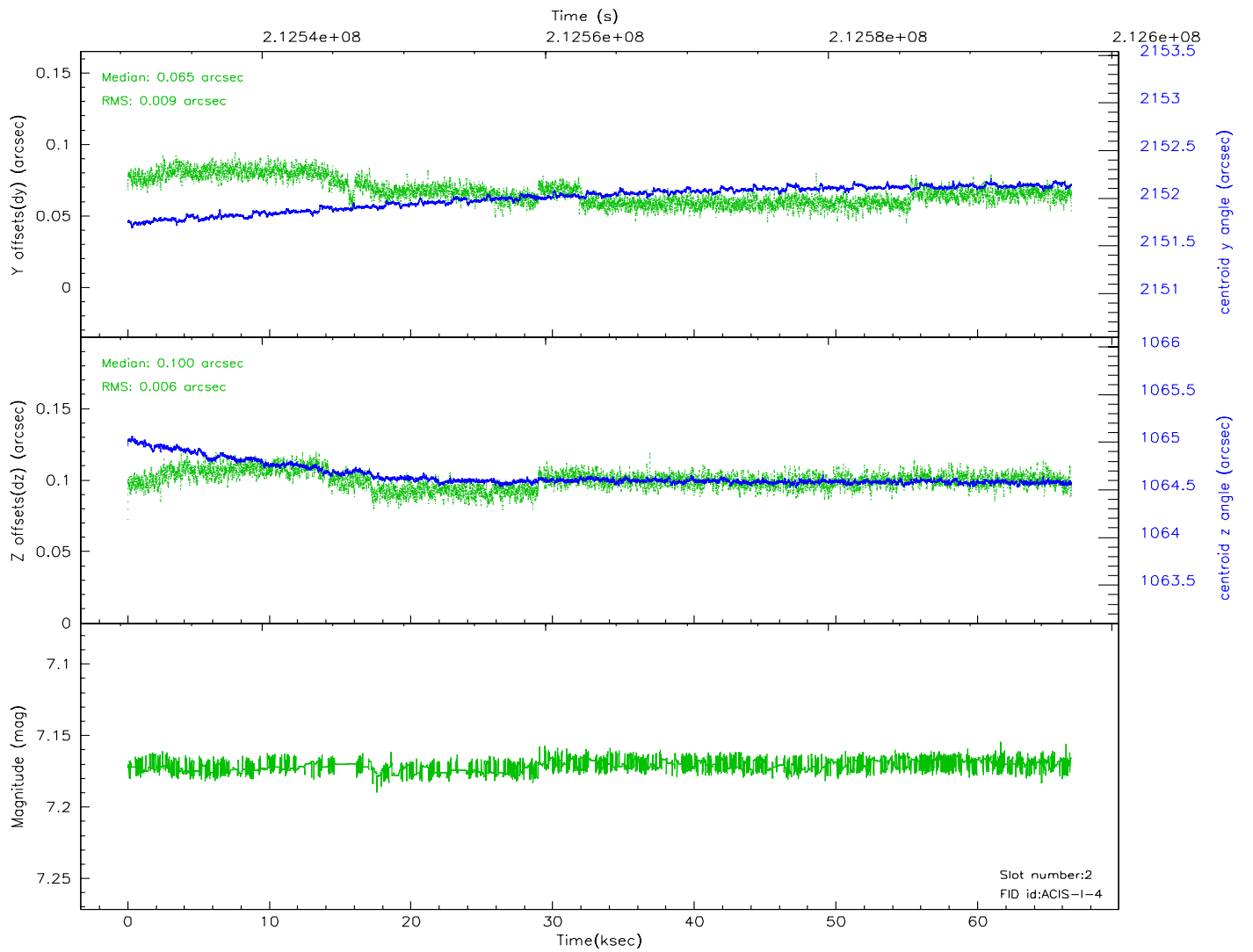
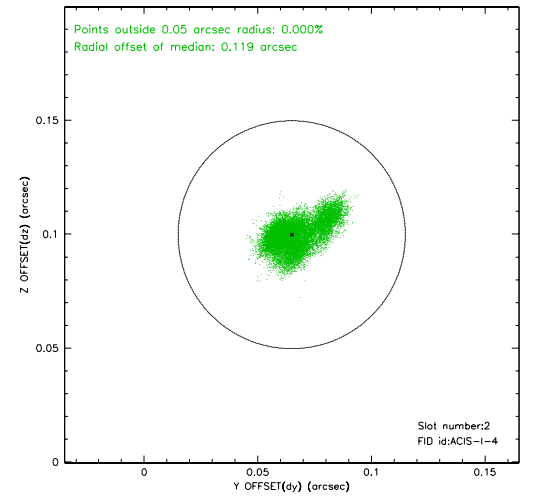
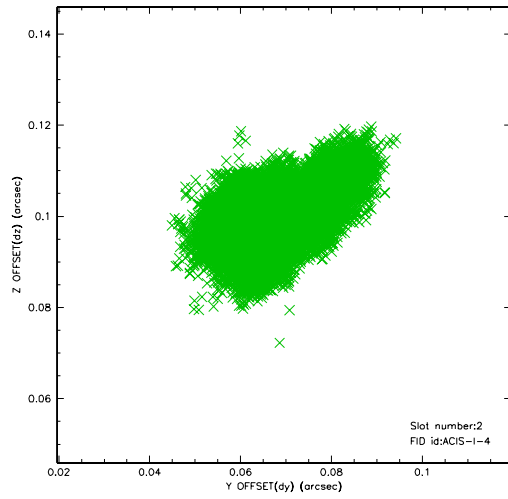
### 2.5.1 Slot 0



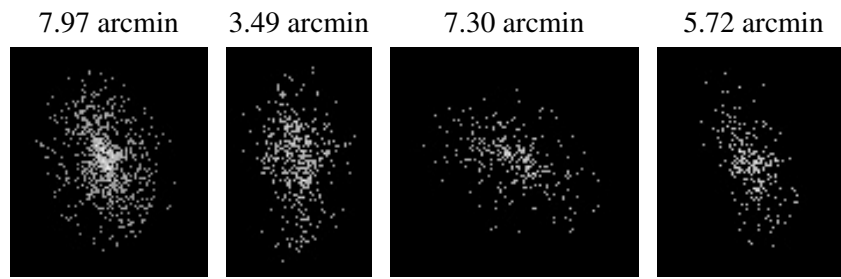
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	66.618

### A.2 Comments

Roll constraint not met: roll is 0.2 degrees outside roll constraint range.