

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4402 - L2 Version 001  
Chandra X-Ray Center

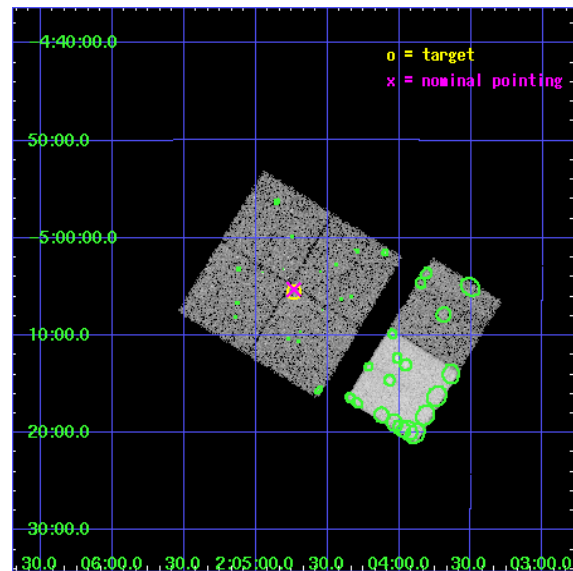
L2 Processing Date : Aug 6 2006

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# 1 Front

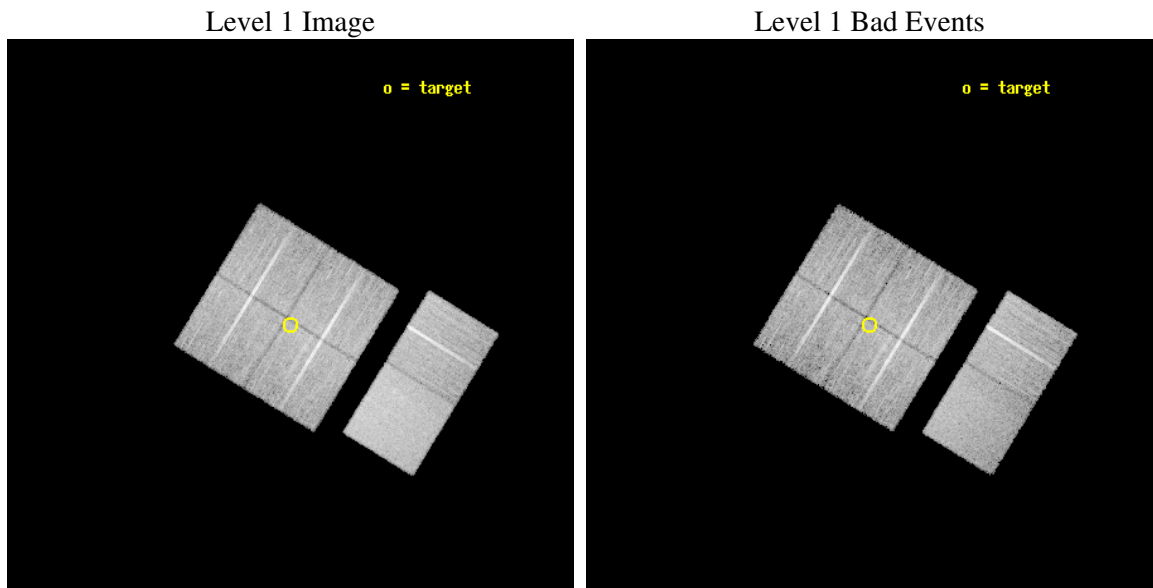
seq_num	700808
obs_id	4402
title	TYPE II QUASARS AMONG Z>4 STRONG LYMAN ALPHA SOURCES
observer	DR. SANGEETA MALHOTRA
object	LALA CETUS FIELD/LALA BOOMER
dtcycle	0
cycle	P
ra_targ	31.184362
dec_targ	-5.092728
ra_nom	31.183671704411
dec_nom	-5.0881700183486
roll_nom	121.57860359898
revision	2
ontime	15113.558983415
livetime	14922.181999275
ontime0	15113.559003323
ontime1	15110.317993224
ontime2	15116.799943686
ontime3	15113.558983415
ontime6	15116.799943686
ontime7	15116.799943686
l2events	97062



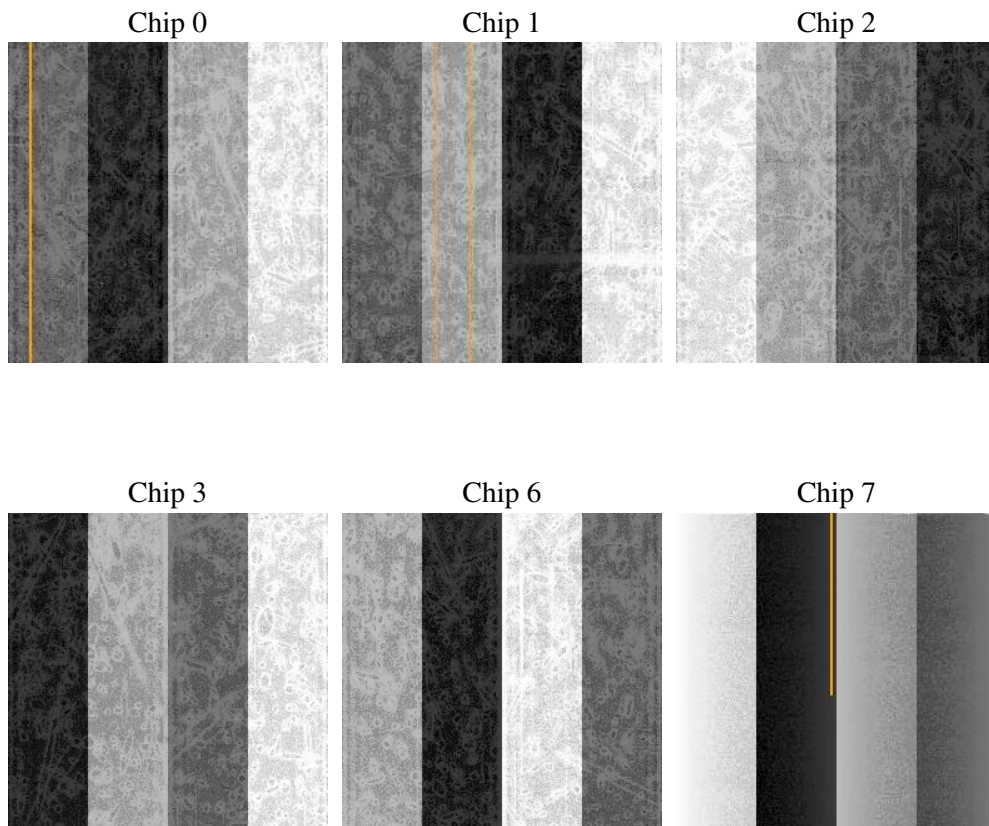
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-07T01:31:42
revision	2

sched_exp_time	15000.000000
ontime	15547.080910683
ontime0	15547.080960512
ontime1	15543.839920491
ontime2	15550.321870953
ontime3	15547.080910683
ontime6	15550.321870953
ontime7	15550.321900874
l1events	602255

### 2.1.4 Events

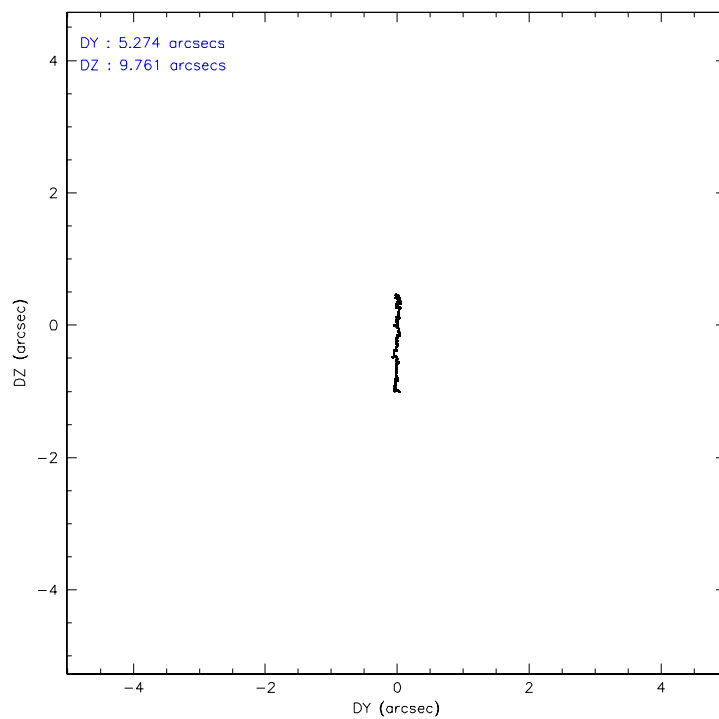
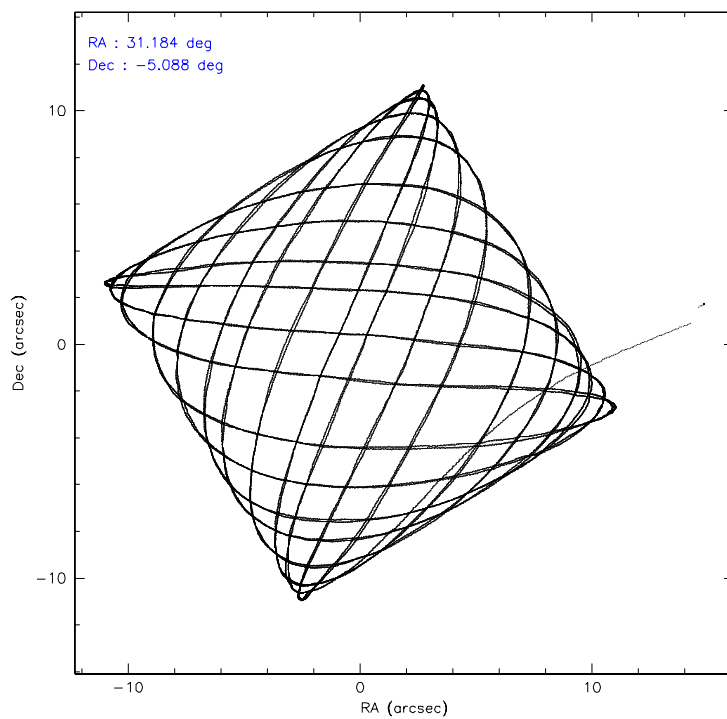
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	88603	89279	97129	95092	101645	130507
rejected events	76903	77233	85546	83799	90328	82210
rejected %	86%	86%	88%	88%	88%	62%

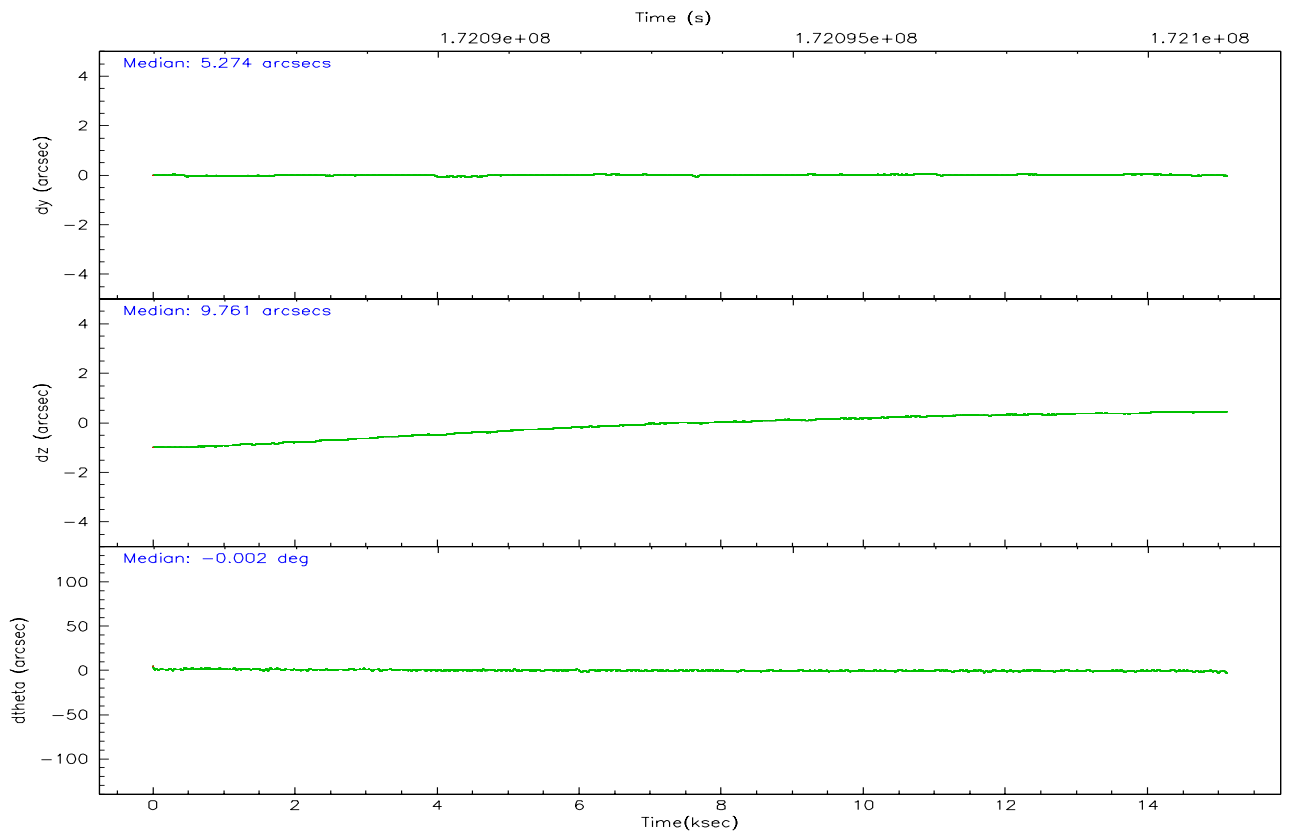
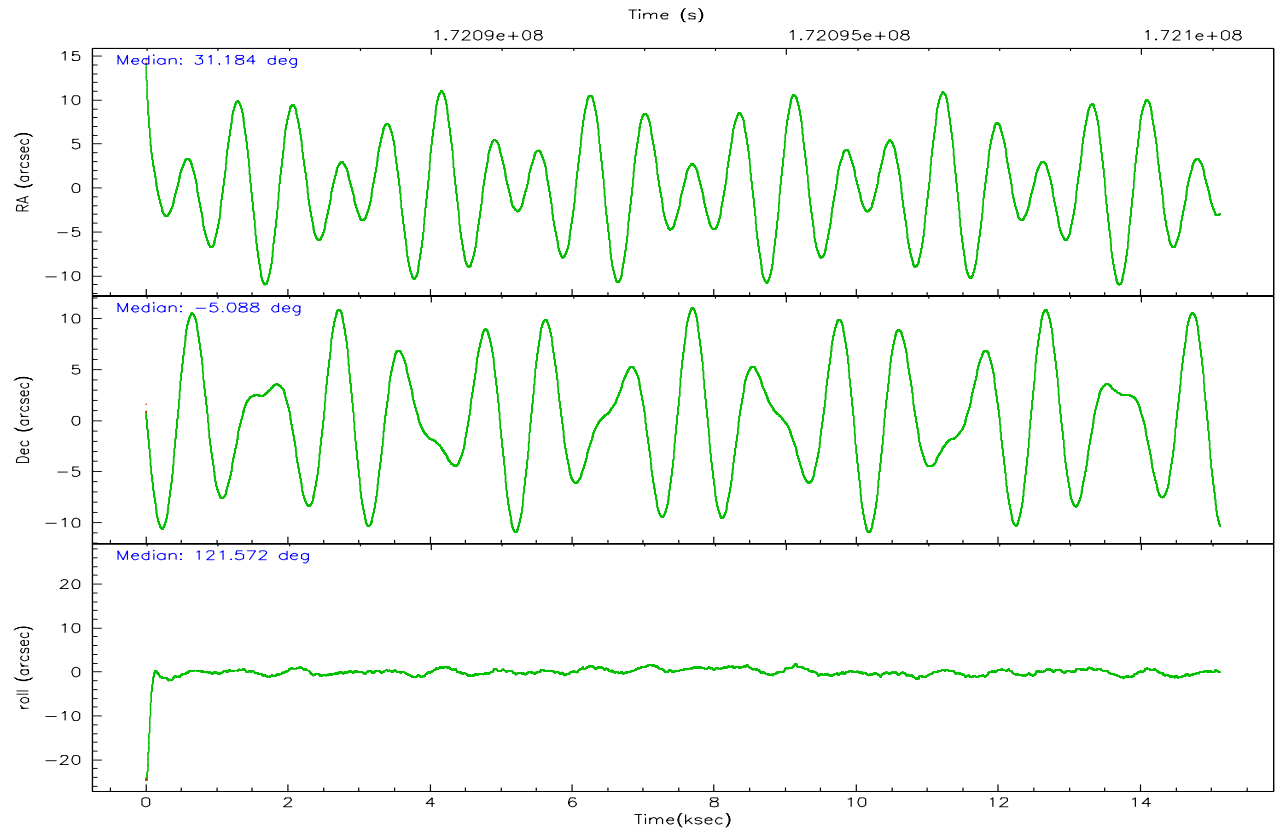
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5374	5049	5623	5112	4699	3097
	6%	5%	5%	5%	4%	2%
grade 1 events	48	42	65	61	38	73
	0%	0%	0%	0%	0%	0%
grade 2 events	2470	2545	2250	2252	2461	12176
	2%	2%	2%	2%	2%	9%
grade 3 events	1134	1219	1129	1095	1104	2519
	1%	1%	1%	1%	1%	1%
grade 4 events	1118	1250	1078	1143	1120	2470
	1%	1%	1%	1%	1%	1%
grade 5 events	3910	3918	3764	4313	4483	8814
	4%	4%	3%	4%	4%	6%
grade 6 events	1958	2316	1823	1998	2264	29357
	2%	2%	1%	2%	2%	22%
grade 7 events	72591	72940	81397	79118	85476	72001
	81%	81%	83%	83%	84%	55%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	31.207901	31.18367170441068	Alternating exposures requested	N	N
Pointing Dec	-5.101079	-5.088170018348629	Primary exposure time	0.000000	3.2
Pointing Roll	121.372092	121.5786035989802			
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	172086108.184000	172084856.88327			
Observation start date	2003-06-15T17:40:44	2003-06-15T17:20:56			
Observation end time	172101108.184000	172101865.73399			
Observation end date	2003-06-15T21:50:44	2003-06-15T22:04:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect





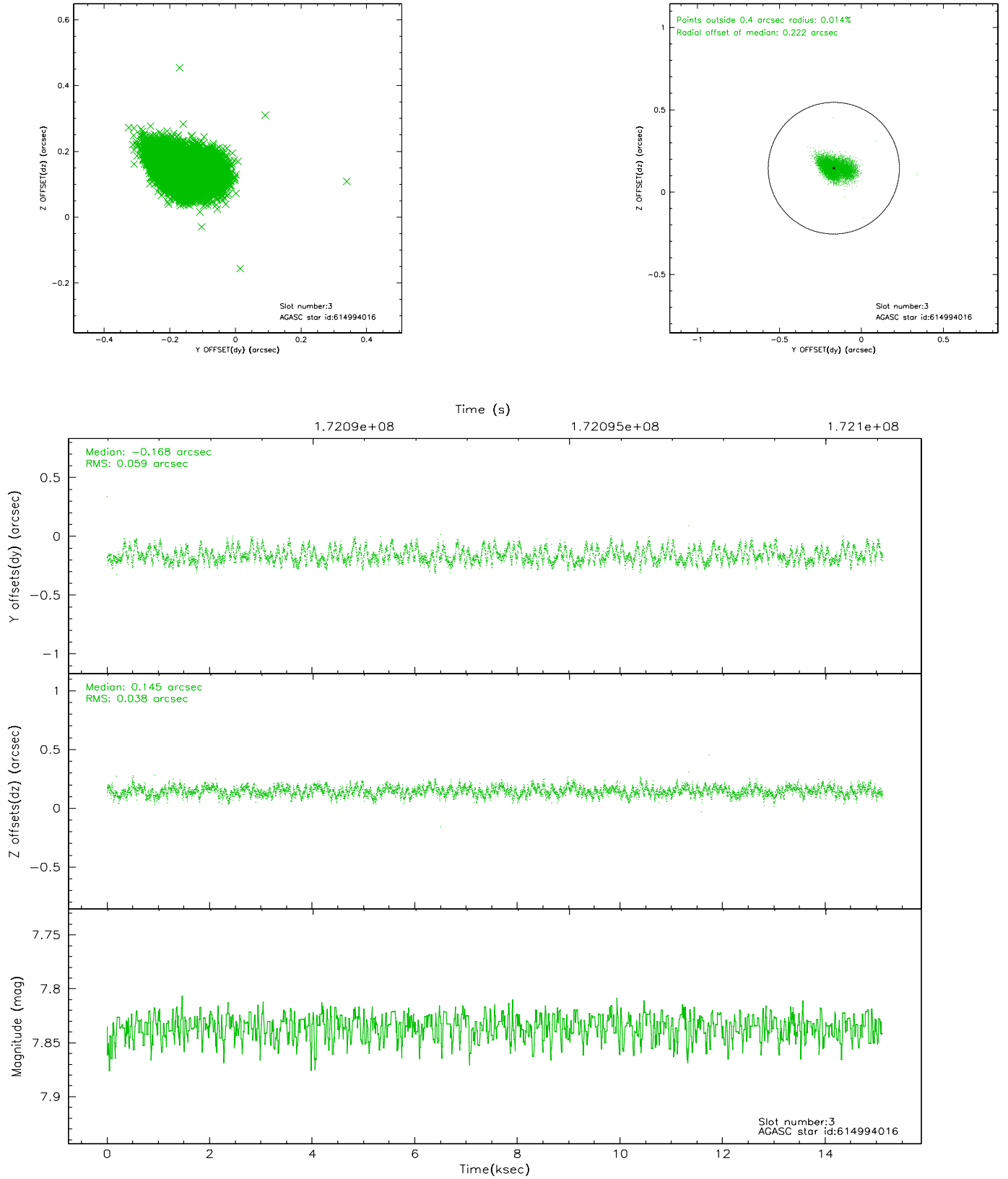
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	3688	-0.034	-0.025	0.012	0.022	0.000000	0.000000	-759.75	-839.49
1	FID	ACIS-I-4	7.18	3687	0.019	0.034	0.012	0.021	0.000000	0.000000	2154.22	1066.60
2	FID	ACIS-I-5	7.23	3688	-0.086	0.060	0.016	0.024	0.000000	0.000000	-1813.25	1064.80
3	GUIDE	614994016	7.83	7377	-0.168	0.145	0.074	0.122	31.288878	-4.405036	1988.36	-1552.29
4	GUIDE	614997584	8.52	7377	0.016	0.059	0.062	0.101	30.952492	-4.578768	2082.83	-195.76
5	GUIDE	615390216	7.65	7374	0.249	-0.188	0.051	0.085	31.061043	-5.710942	-1600.11	1591.74
6	GUIDE	614996368	9.53	7372	-0.124	-0.163	0.104	0.168	30.800475	-4.593523	2320.73	297.69
7	GUIDE	614998344	7.61	7376	0.022	0.146	0.076	0.118	31.560945	-4.365038	1603.36	-2460.77

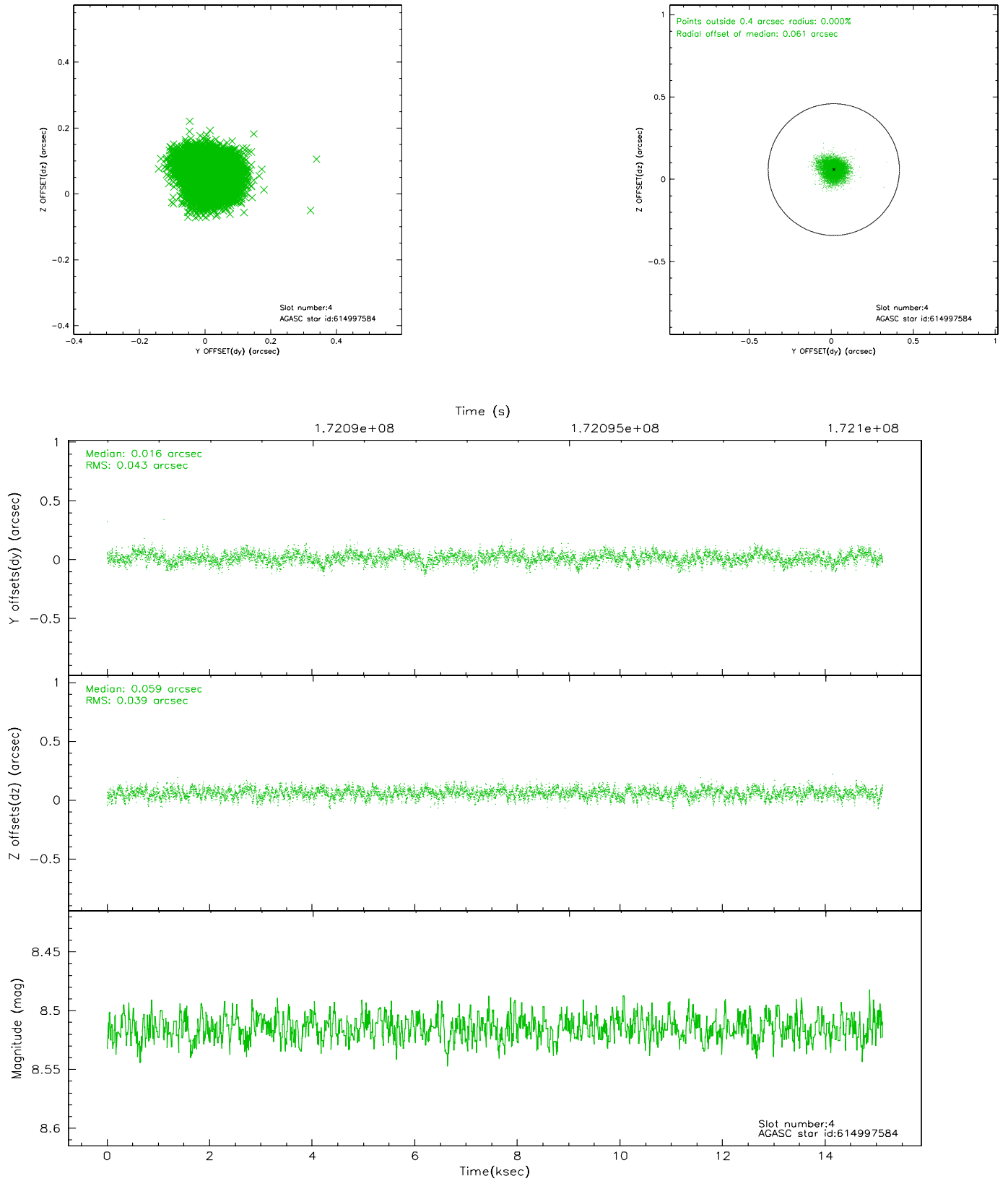


## 2.4 Star Slots

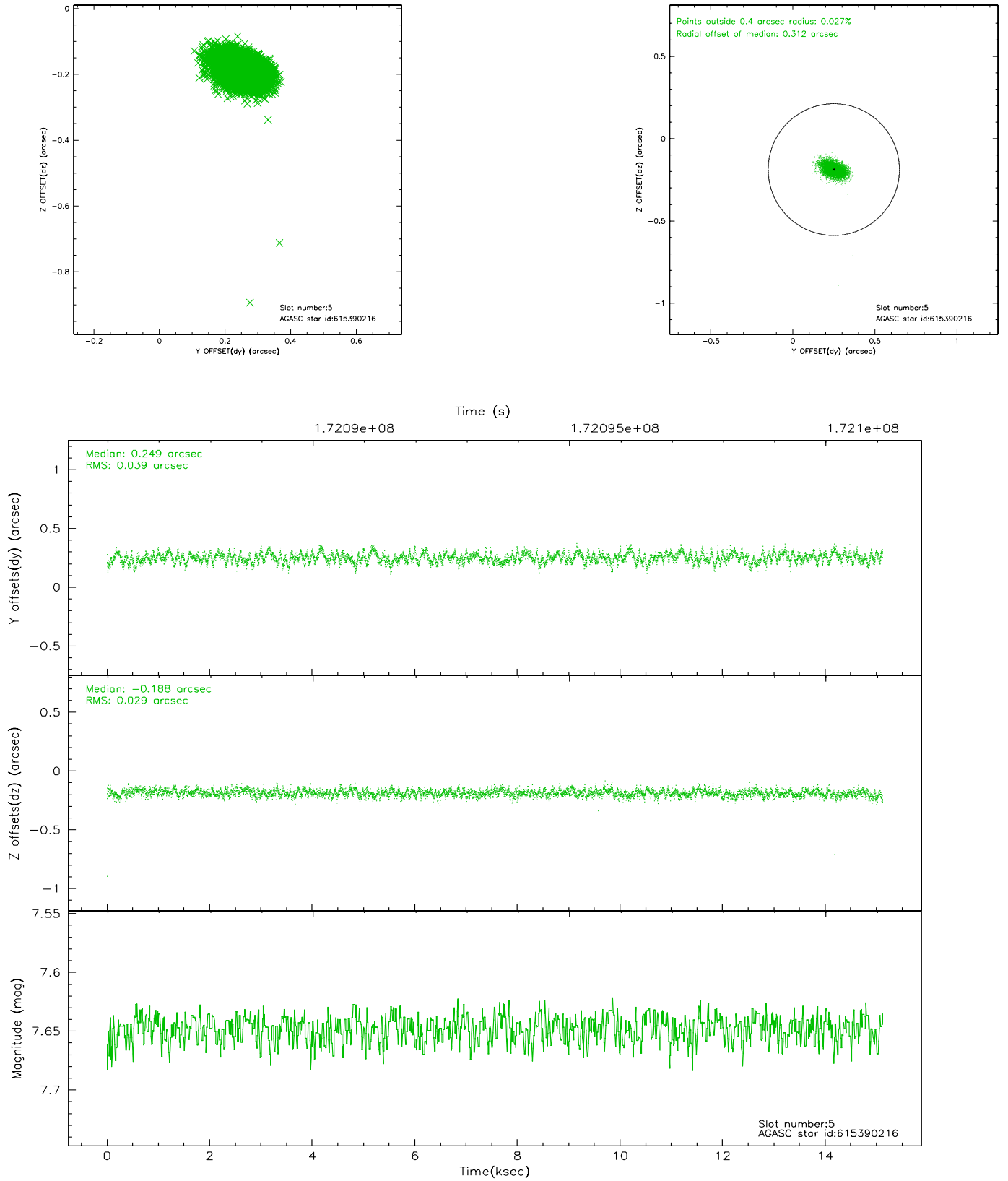
### 2.4.1 Slot 3



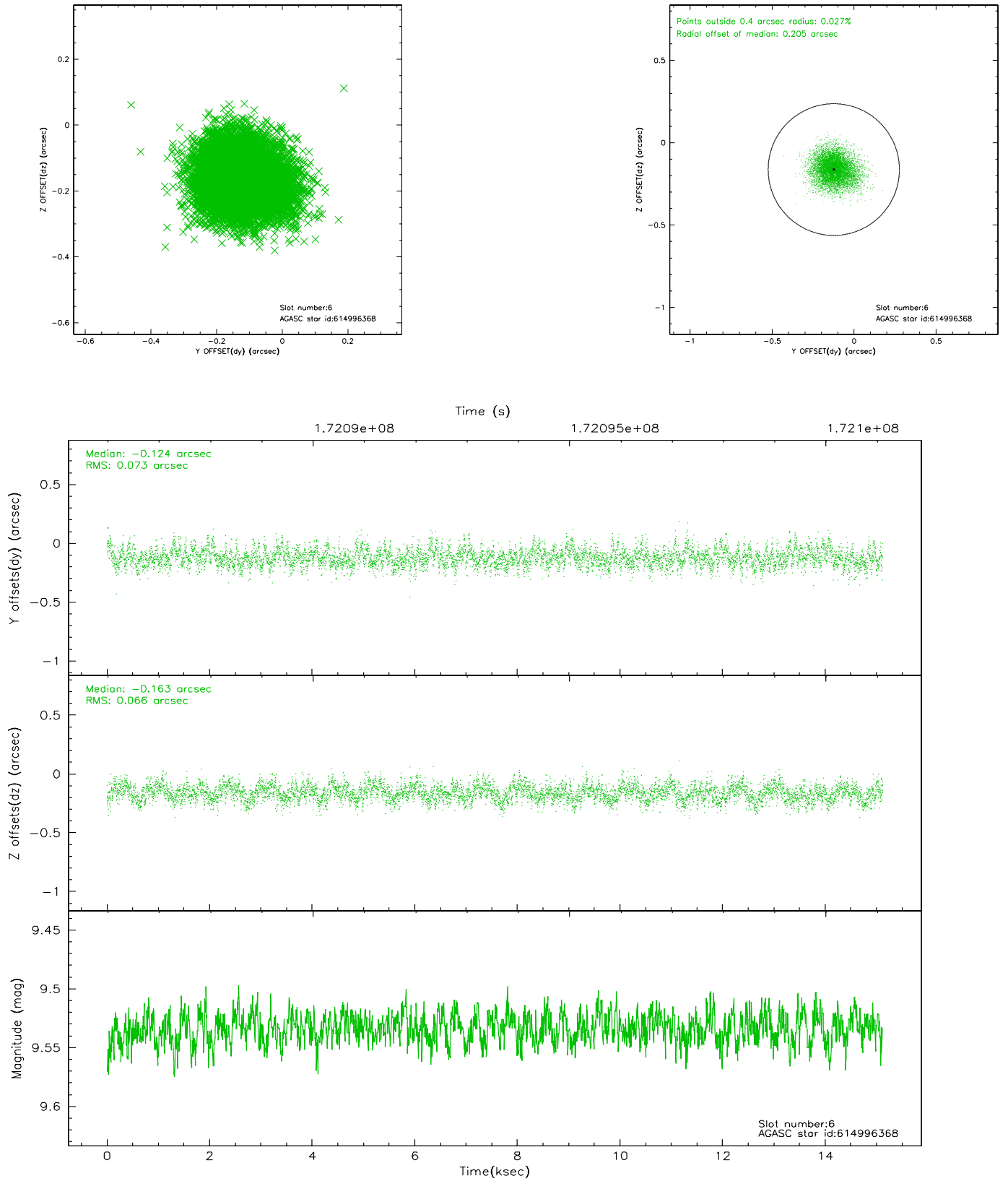
## 2.4.2 Slot 4



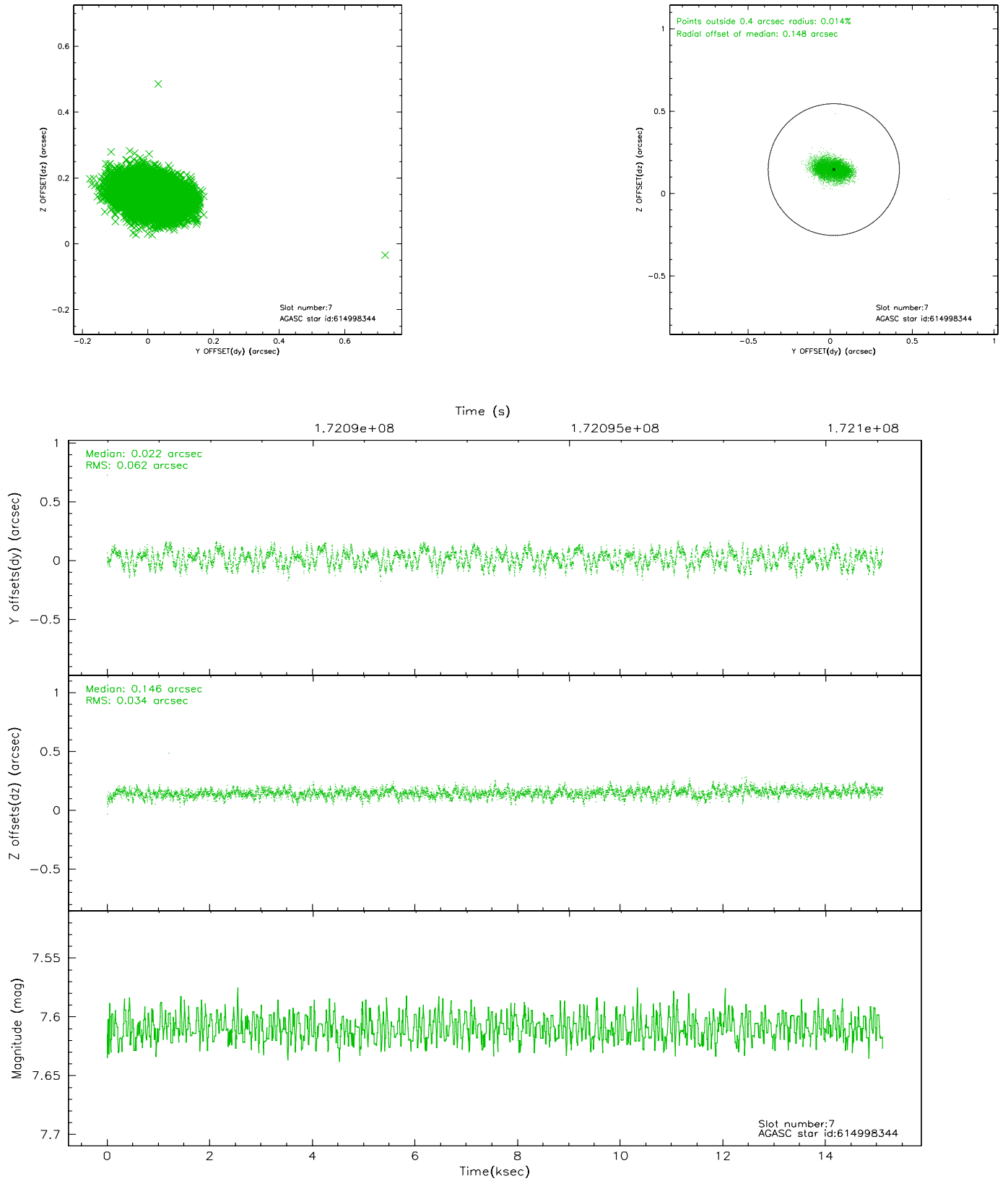
### 2.4.3 Slot 5



## 2.4.4 Slot 6

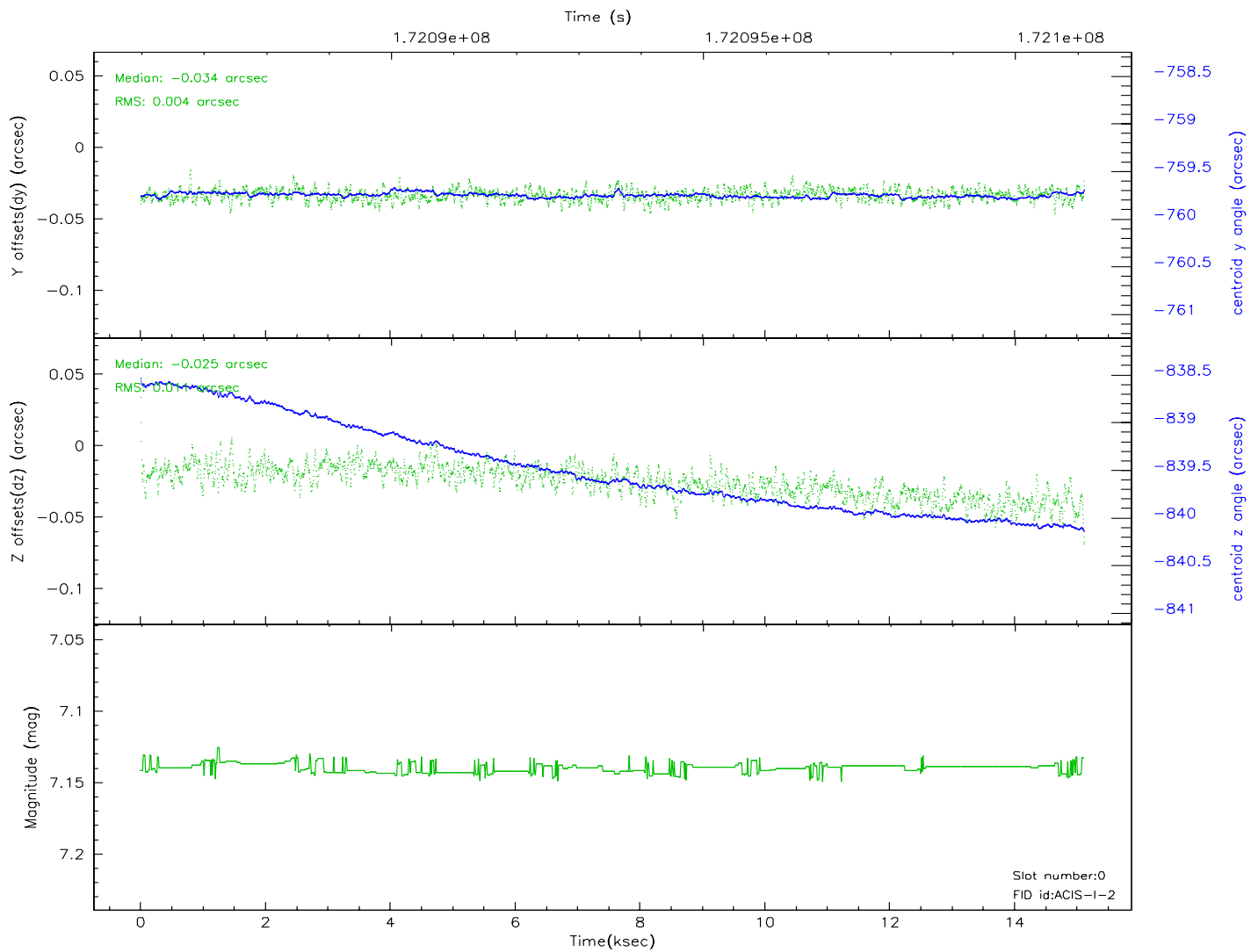
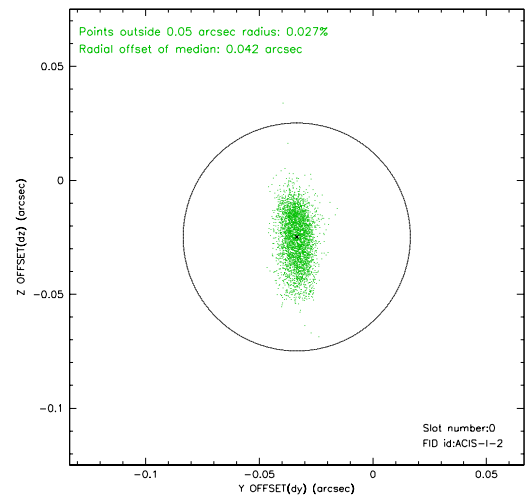
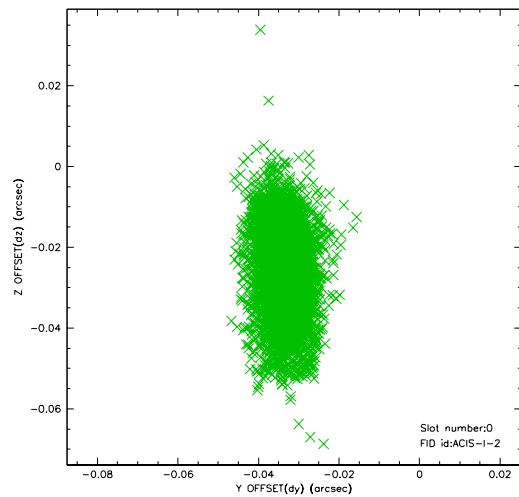


## 2.4.5 Slot 7

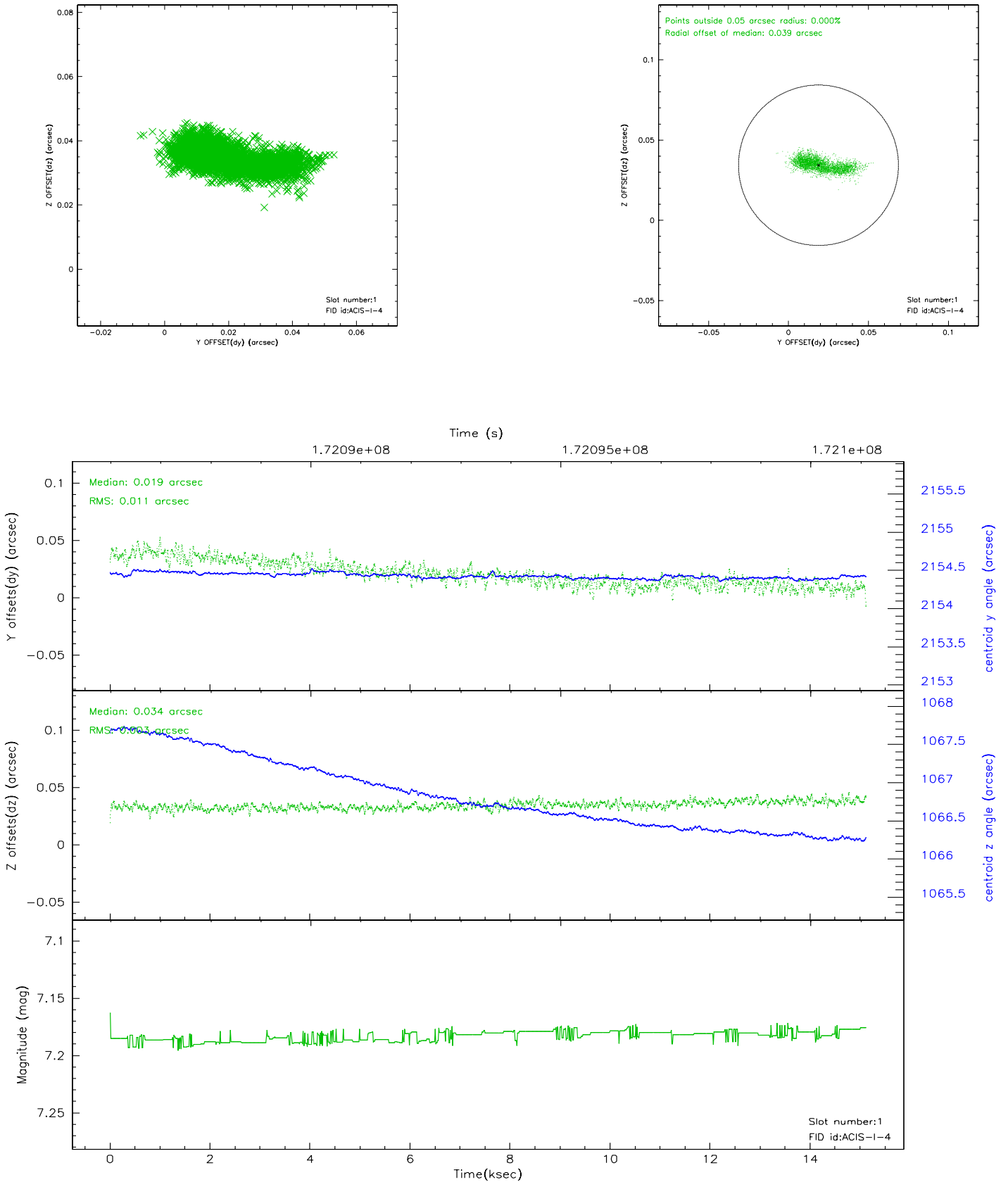


## 2.5 FID Slots

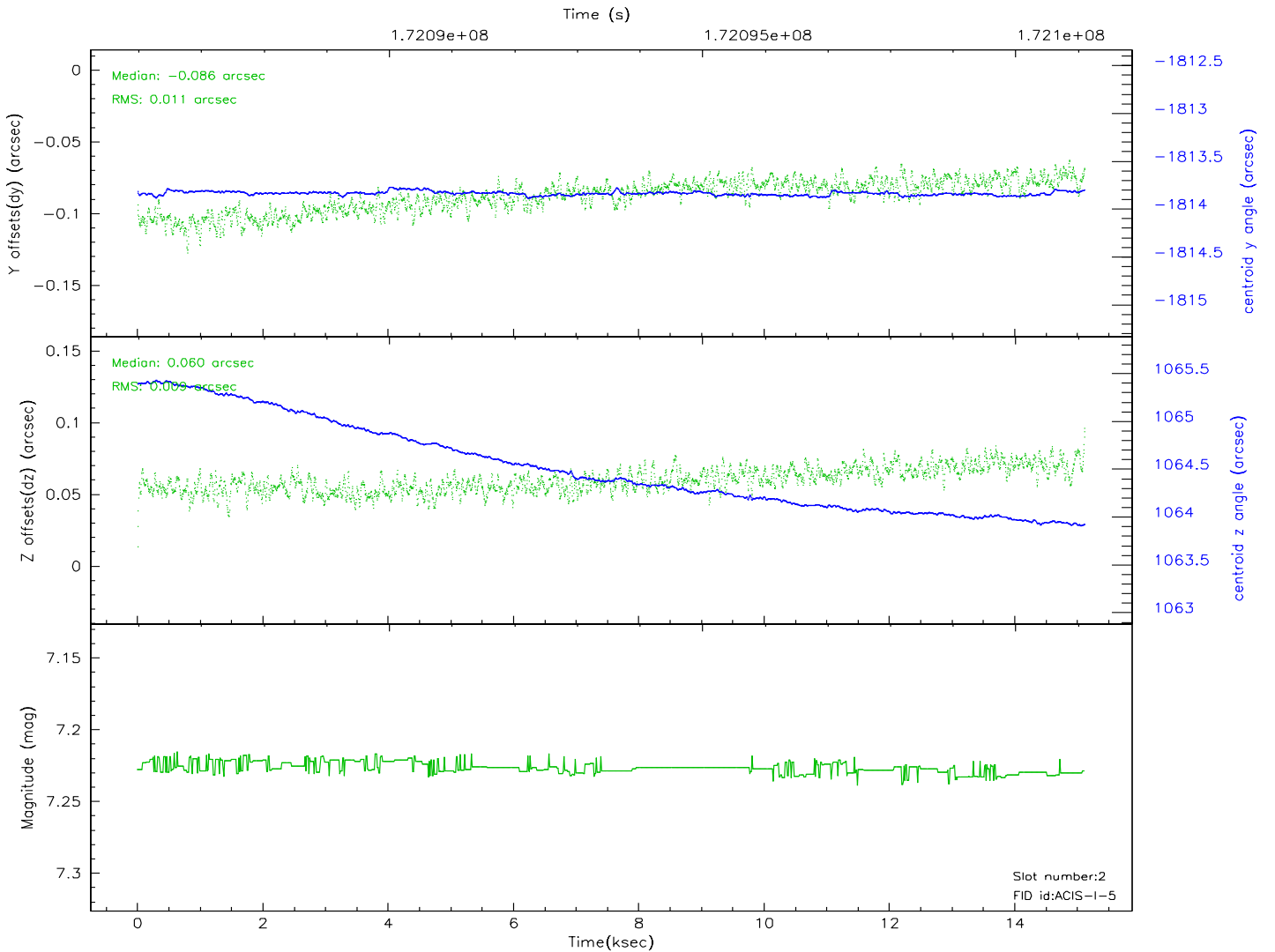
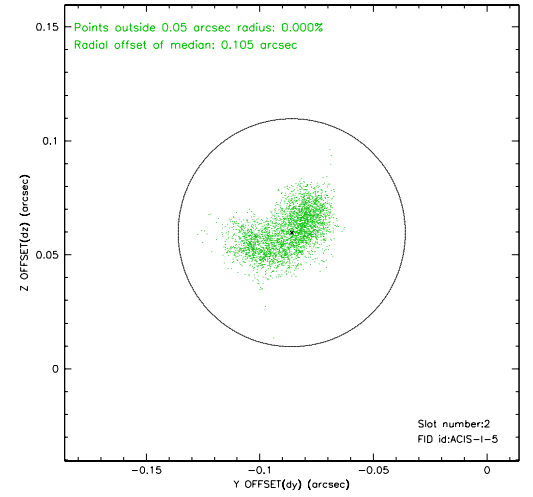
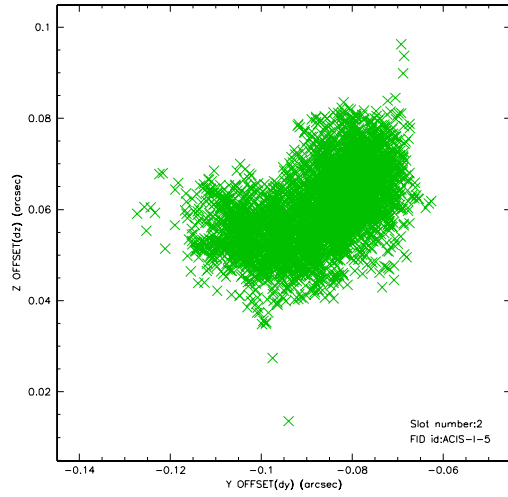
### 2.5.1 Slot 0



## 2.5.2 Slot 1

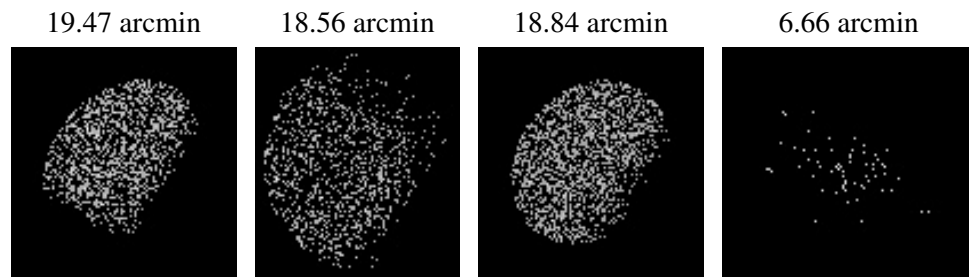


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.113

### A.2 Comments