

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3578 - L2 Version 001  
Chandra X-Ray Center

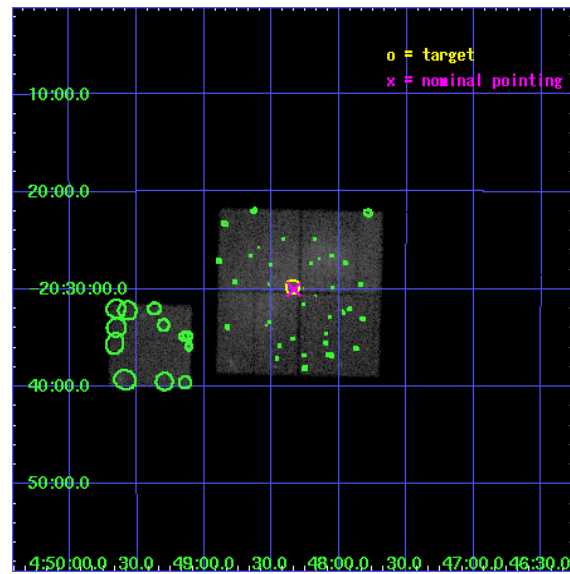
L2 Processing Date : Jul 22 2006

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# 1 Front

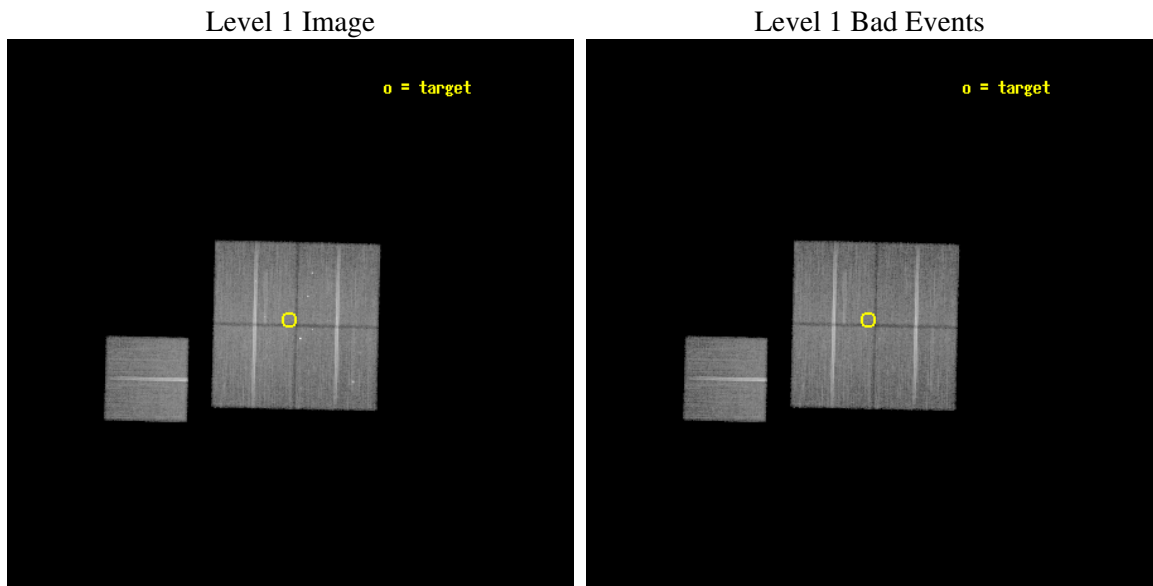
seq_num	800299
obs_id	3578
title	X-RAY STUDIES OF DYNAMICALLY YOUNG CLUSTERS OF GALAXIES
observer	Dr. Stephen Murray
object	A514
dtcycle	0
cycle	P
ra_targ	72.085667
dec_targ	-20.496667
ra_nom	72.083843145883
dec_nom	-20.500960239907
roll_nom	271.3024646238
revision	2
ontime	45132.6541318
livetime	44542.962779391
ontime0	45151.499913186
ontime1	45142.077032506
ontime2	45148.358923018
ontime3	45132.6541318
ontime6	45145.217962801
l2events	138509



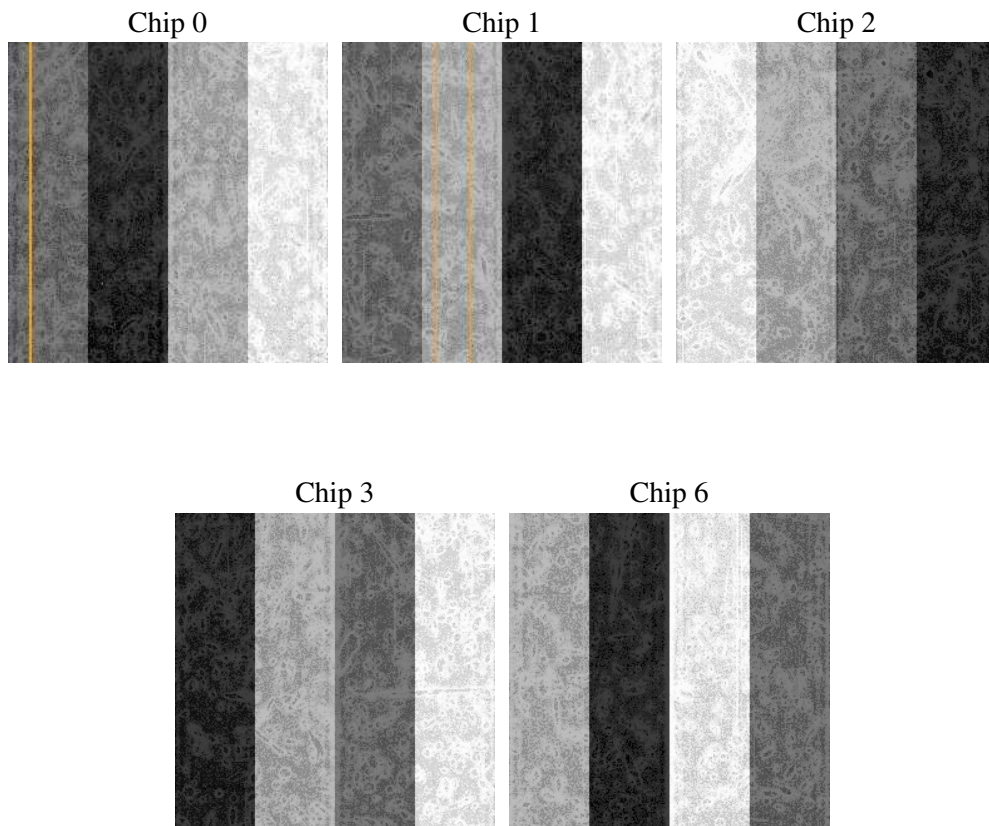
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-22T20:05:17
revision	2

sched_exp_time	45000.000000
ontime	45396.895561039
ontime0	45415.741342425
ontime1	45406.318461746
ontime2	45412.60033232
ontime3	45396.895561039
ontime6	45409.459372103
l1events	1231144

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	232162	243027	258400	254345	243210
rejected events	202584	201158	225878	221513	218424
rejected %	87%	82%	87%	87%	89%

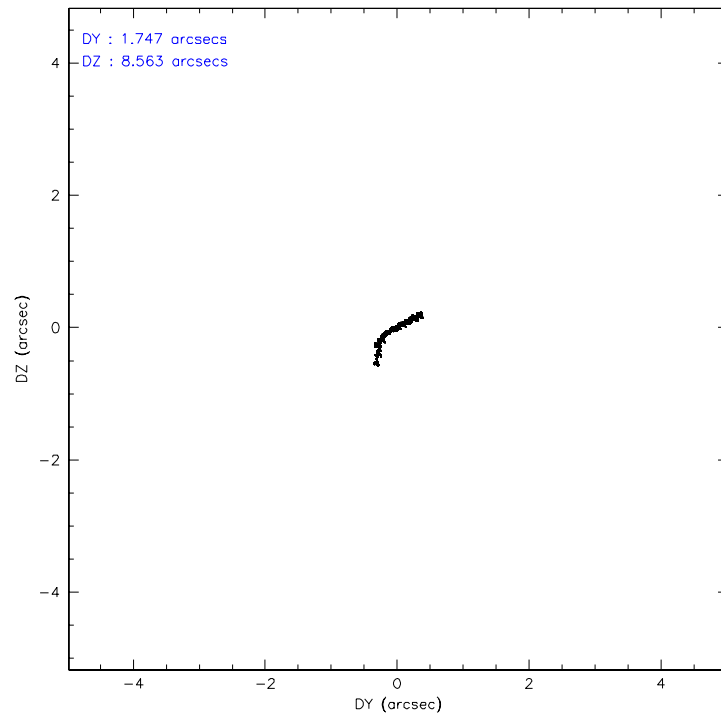
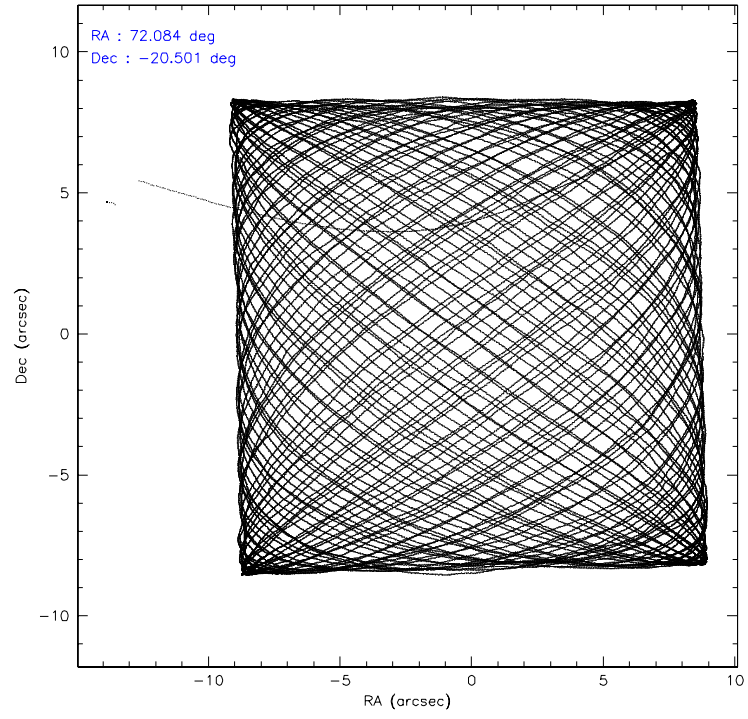
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	13209	22476	16183	16997	8948
	5%	9%	6%	6%	3%
grade 1 events	171	127	138	146	102
	0%	0%	0%	0%	0%
grade 2 events	6161	7136	6164	5726	5314
	2%	2%	2%	2%	2%
grade 3 events	3004	3547	2869	2893	2809
	1%	1%	1%	1%	1%
grade 4 events	2764	3414	2930	2838	2788
	1%	1%	1%	1%	1%
grade 5 events	8207	9013	7952	9263	9245
	3%	3%	3%	3%	3%
grade 6 events	4626	5506	4533	4567	5078
	1%	2%	1%	1%	2%
grade 7 events	194020	191808	217631	211915	208926
	83%	78%	84%	83%	85%

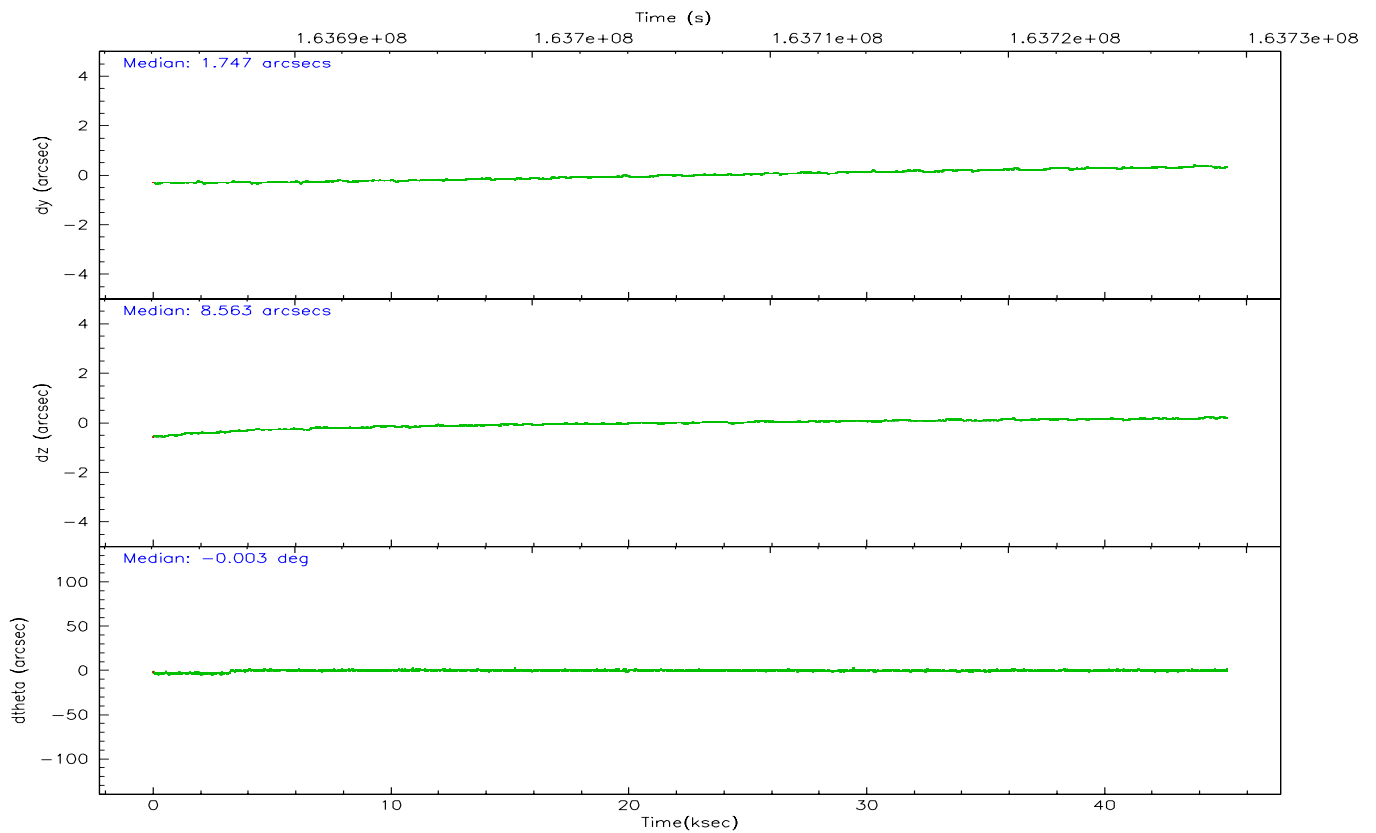
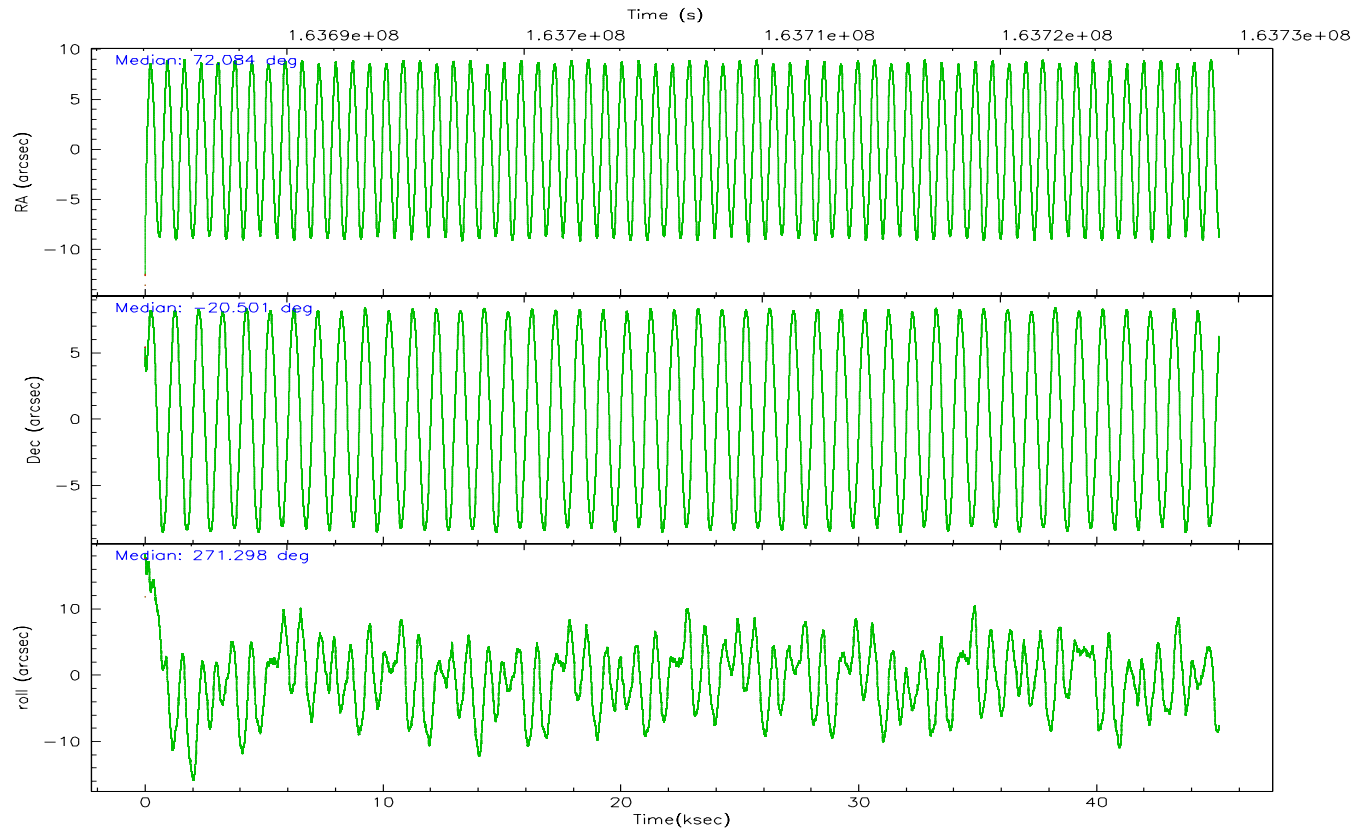


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	72.068552	72.08384314588301	Alternating exposures requested	N	N
Pointing Dec	-20.477636	-20.50096023990665	Primary exposure time	0.000000	3.1
Pointing Roll	271.088428	271.3024646237968			
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	163684203.184000	163683095.52799			
Observation start date	2003-03-10T11:48:59	2003-03-10T11:31:35			
Observation end time	163729203.184000	163729820.66745			
Observation end date	2003-03-11T00:18:59	2003-03-11T00:30:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect



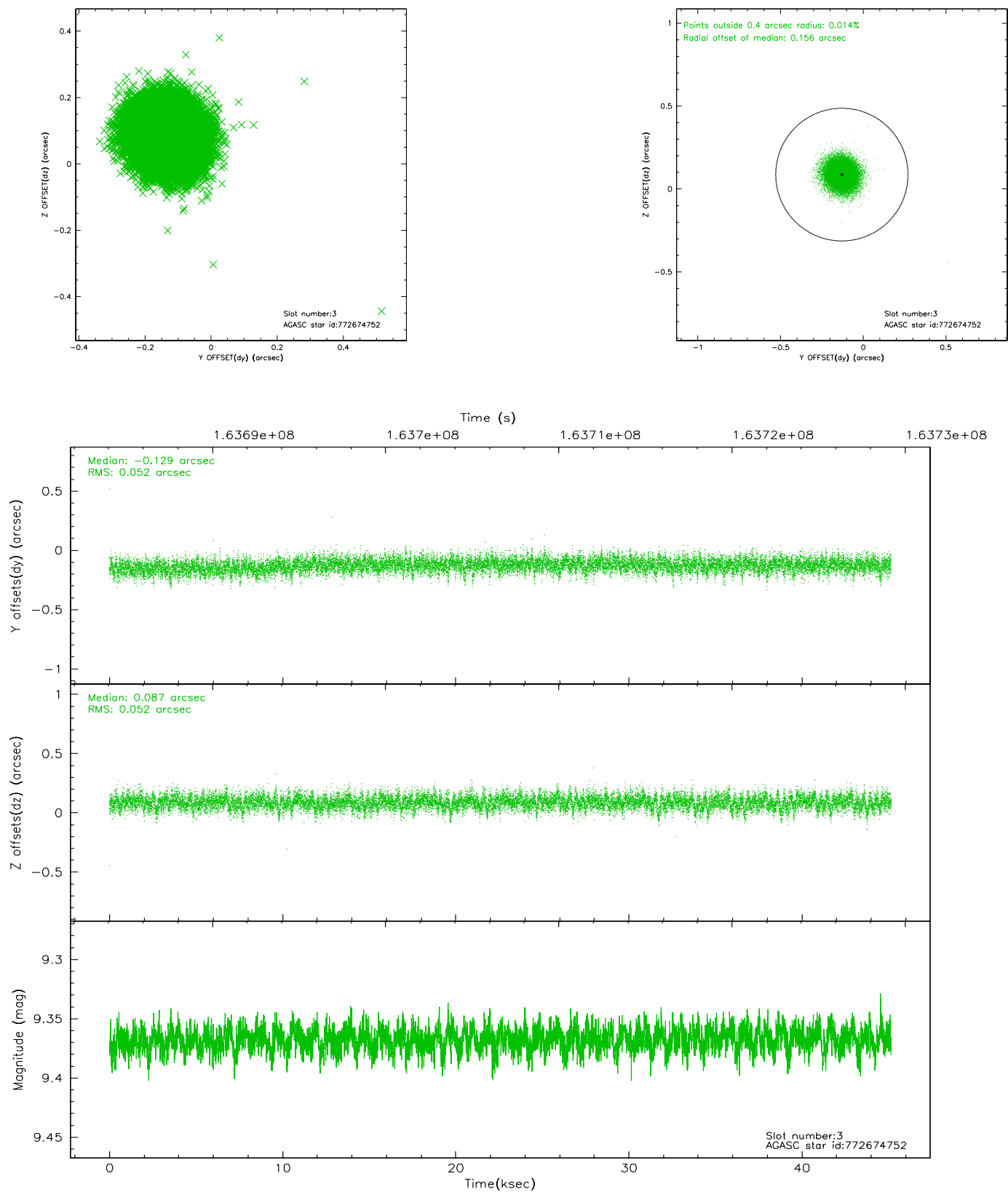


### Slot Statistics

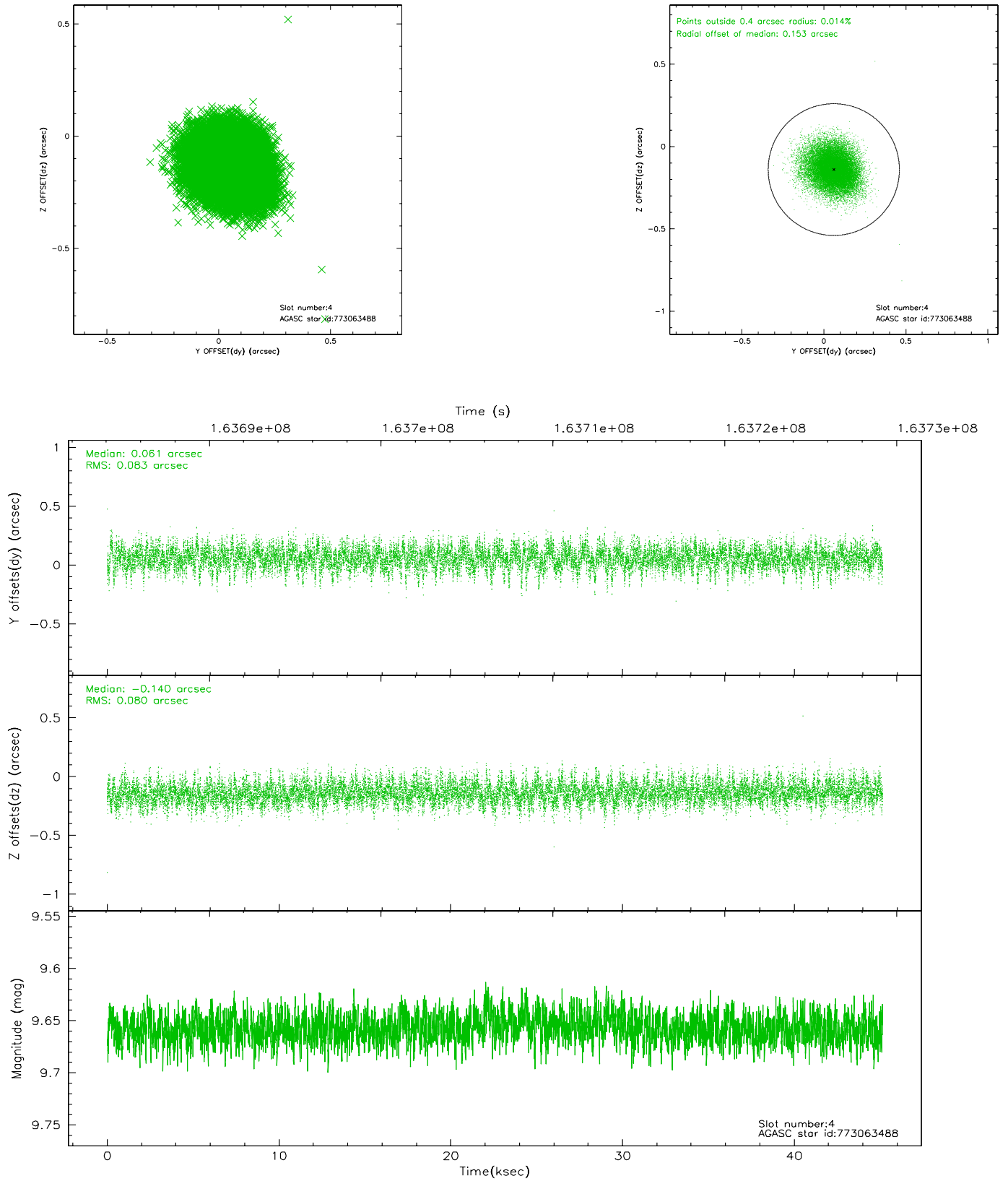
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	11012	-0.021	-0.035	0.013	0.040	0.000000	0.000000	-756.10	-838.38
1	FID	ACIS-I-4	7.19	11011	-0.019	0.030	0.013	0.028	0.000000	0.000000	2157.94	1067.91
2	FID	ACIS-I-5	7.23	11014	-0.061	0.074	0.013	0.023	0.000000	0.000000	-1810.00	1065.74
3	GUIDE	772674752	9.37	22020	-0.129	0.087	0.078	0.128	71.945569	-19.944192	-1927.49	-379.39
4	GUIDE	773063488	9.66	22014	0.061	-0.140	0.122	0.201	71.385312	-20.709761	797.40	-2316.17
5	GUIDE	773065256	8.63	22020	-0.040	-0.016	0.066	0.108	71.922050	-20.393621	-310.97	-488.37
6	GUIDE	773065560	9.25	22011	0.083	0.042	0.101	0.163	71.712872	-21.107109	2245.02	-1237.00
7	GUIDE	774771464	9.60	21908	0.025	0.028	0.099	0.159	72.484032	-20.954698	1745.65	1364.68

## 2.4 Star Slots

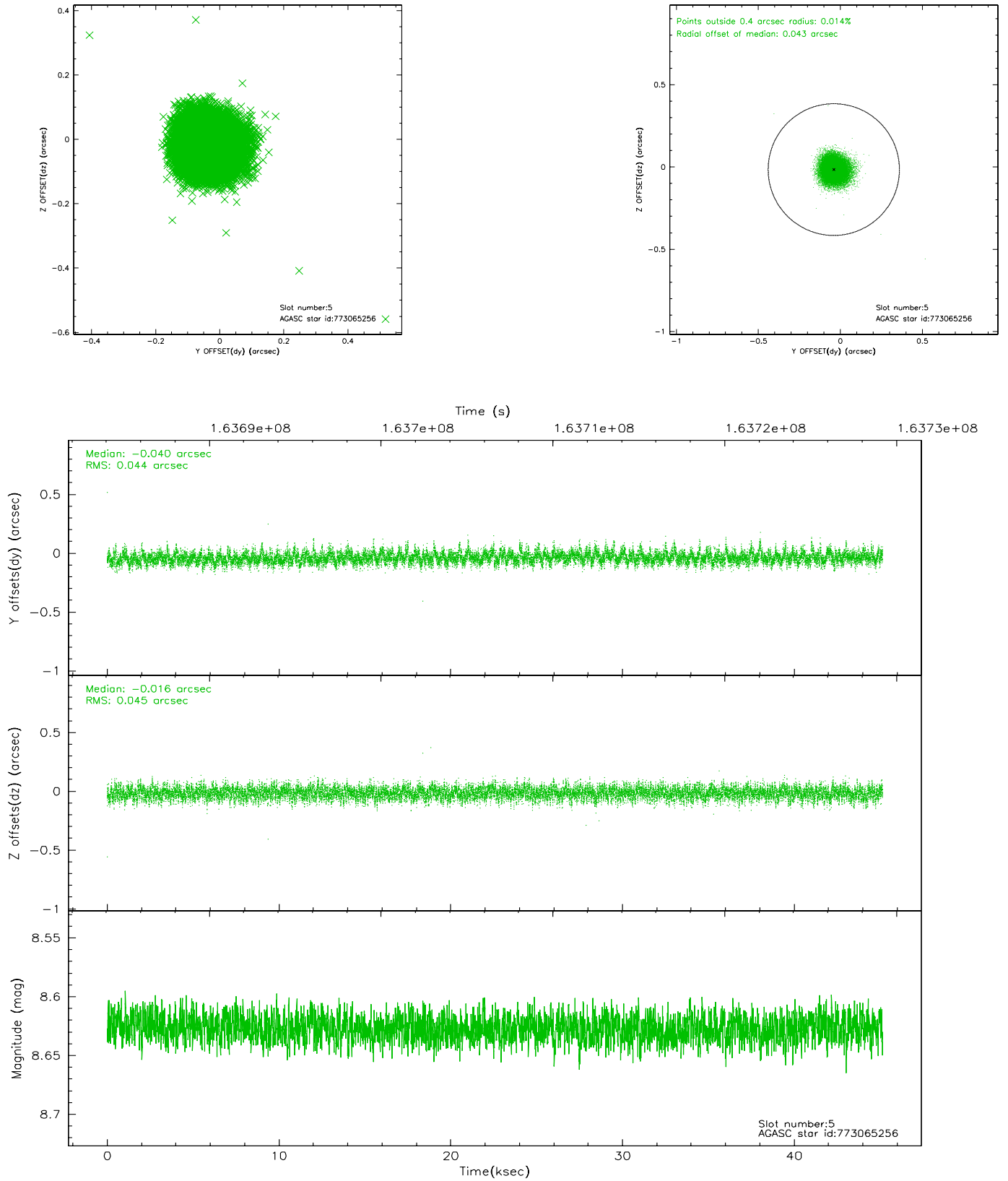
### 2.4.1 Slot 3



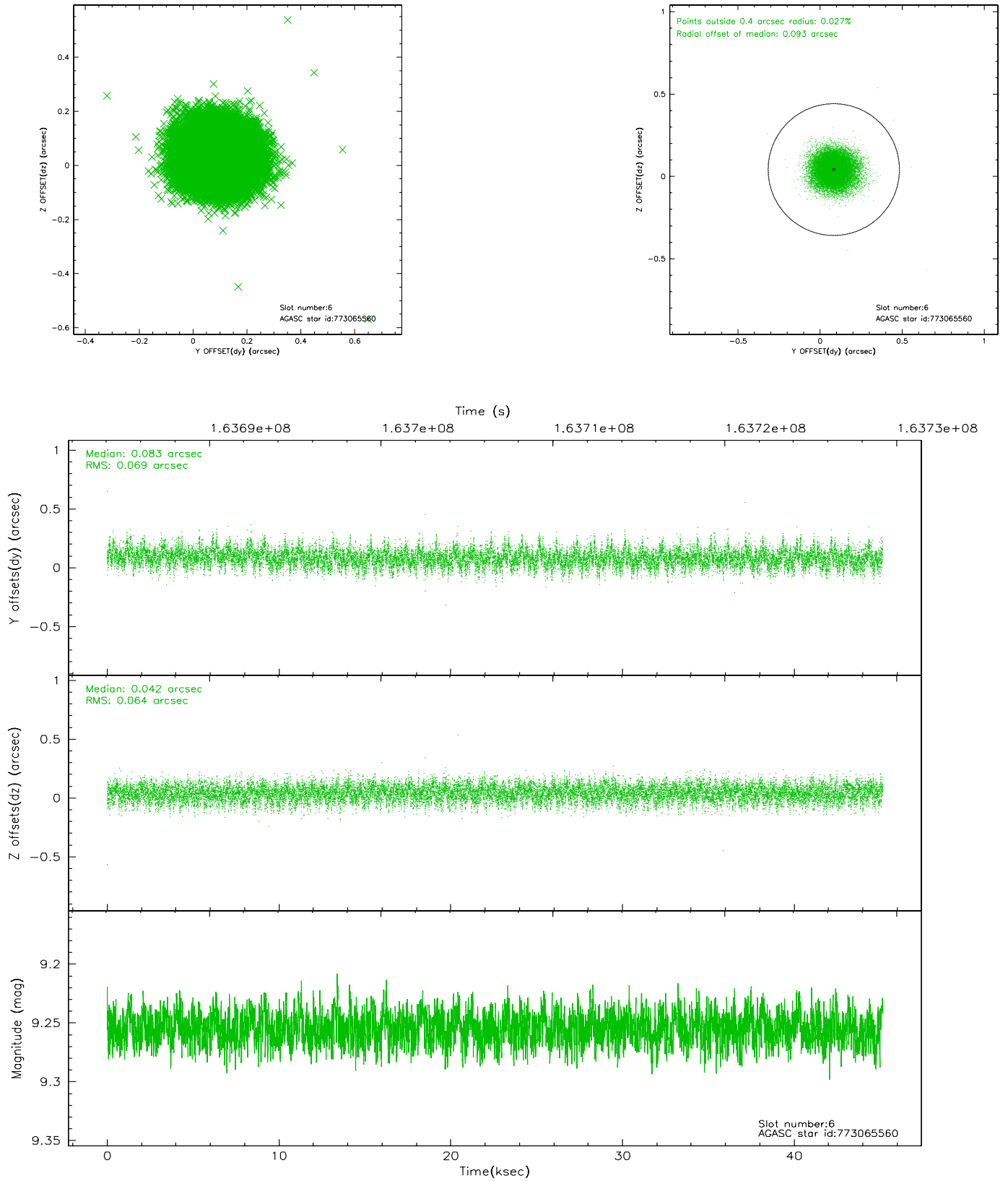
## 2.4.2 Slot 4



### 2.4.3 Slot 5

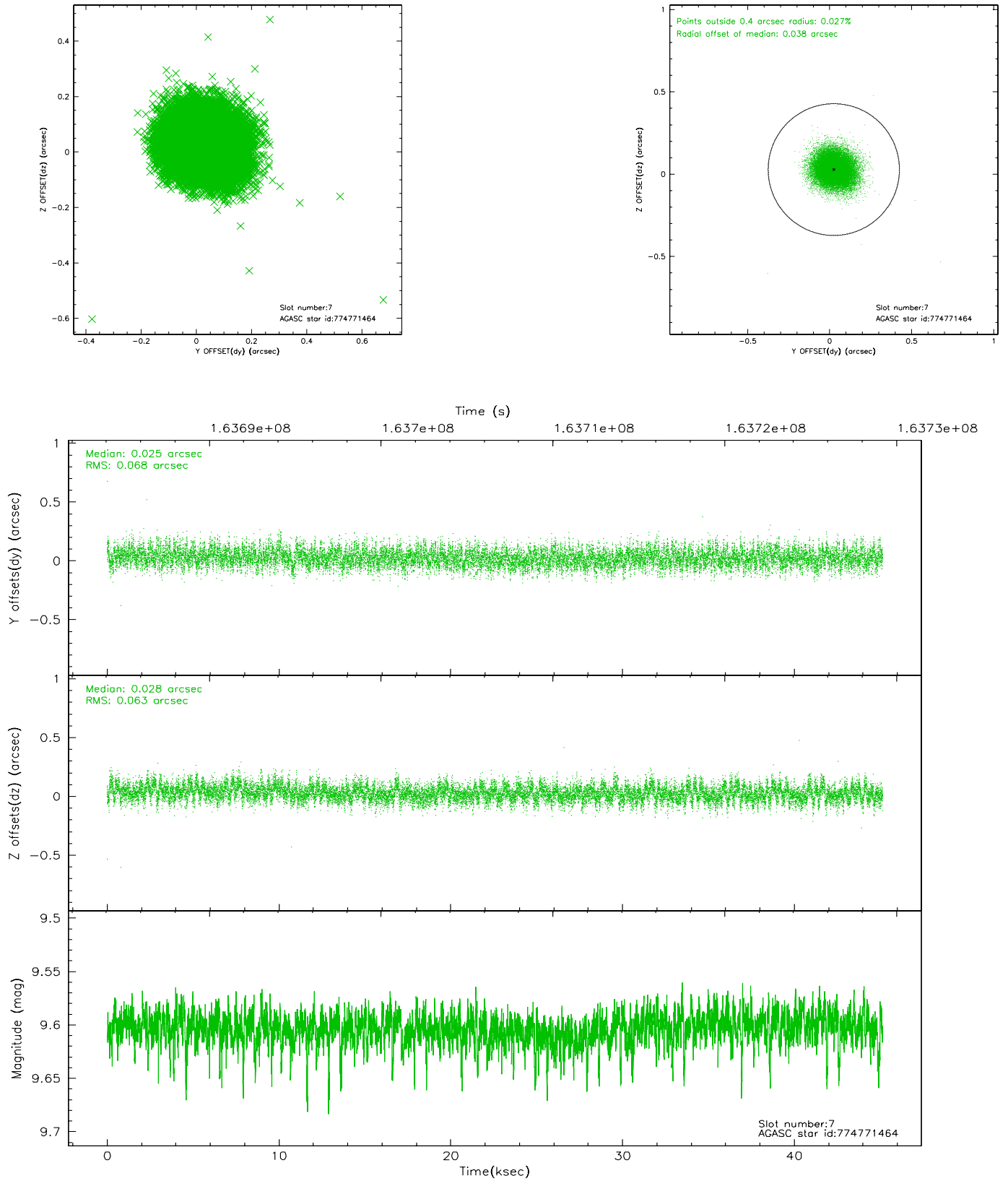


## 2.4.4 Slot 6



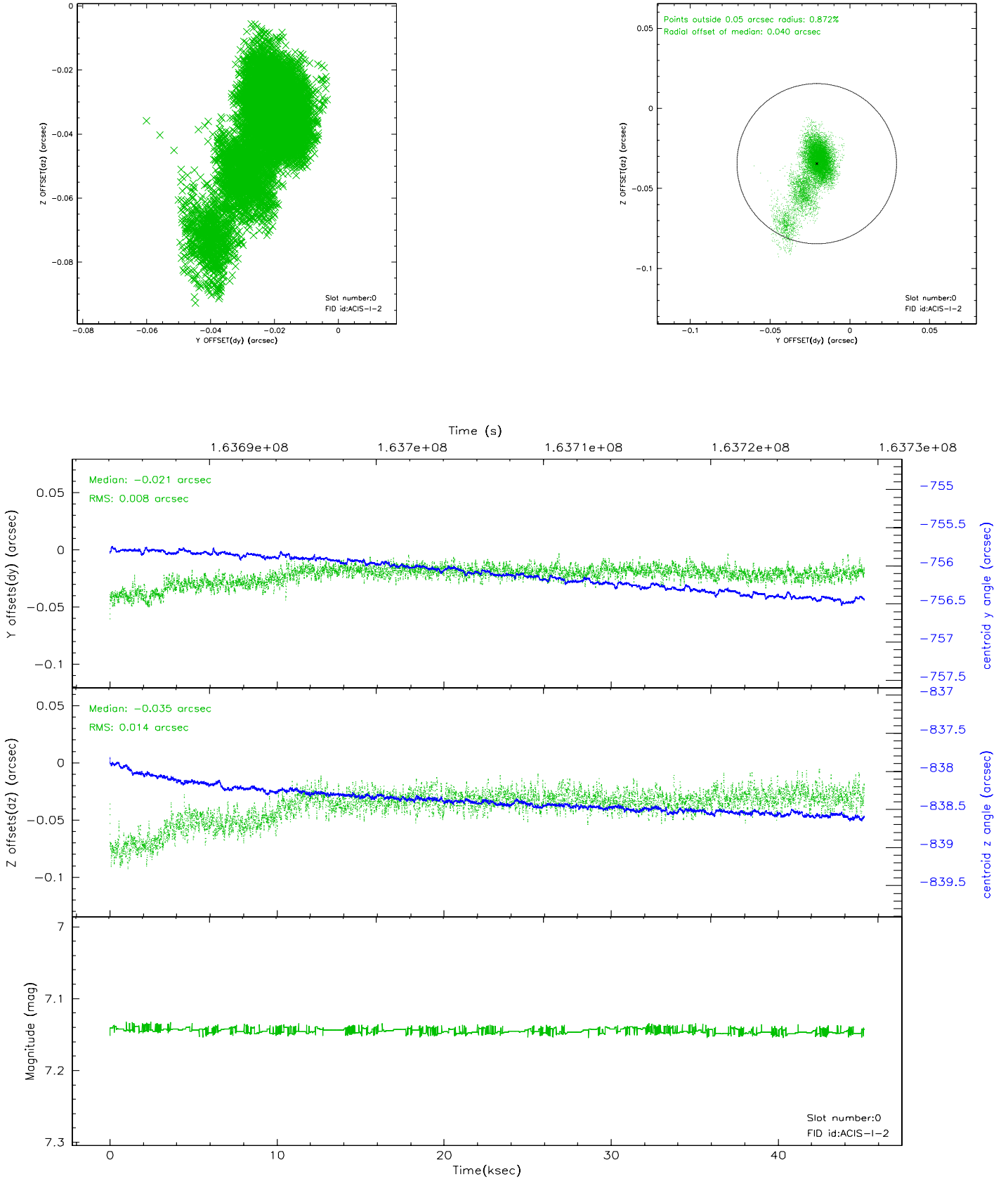


## 2.4.5 Slot 7

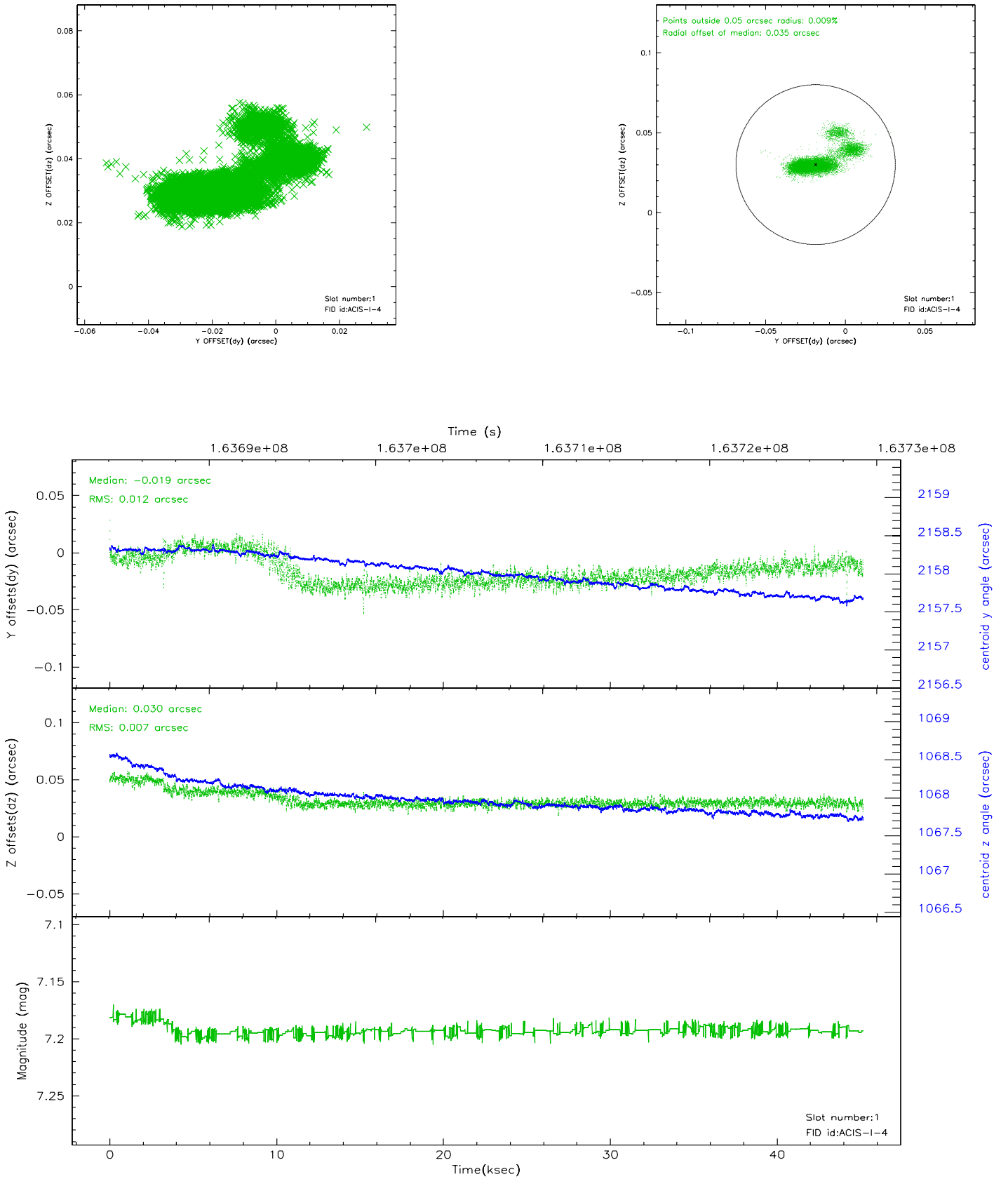


## 2.5 FID Slots

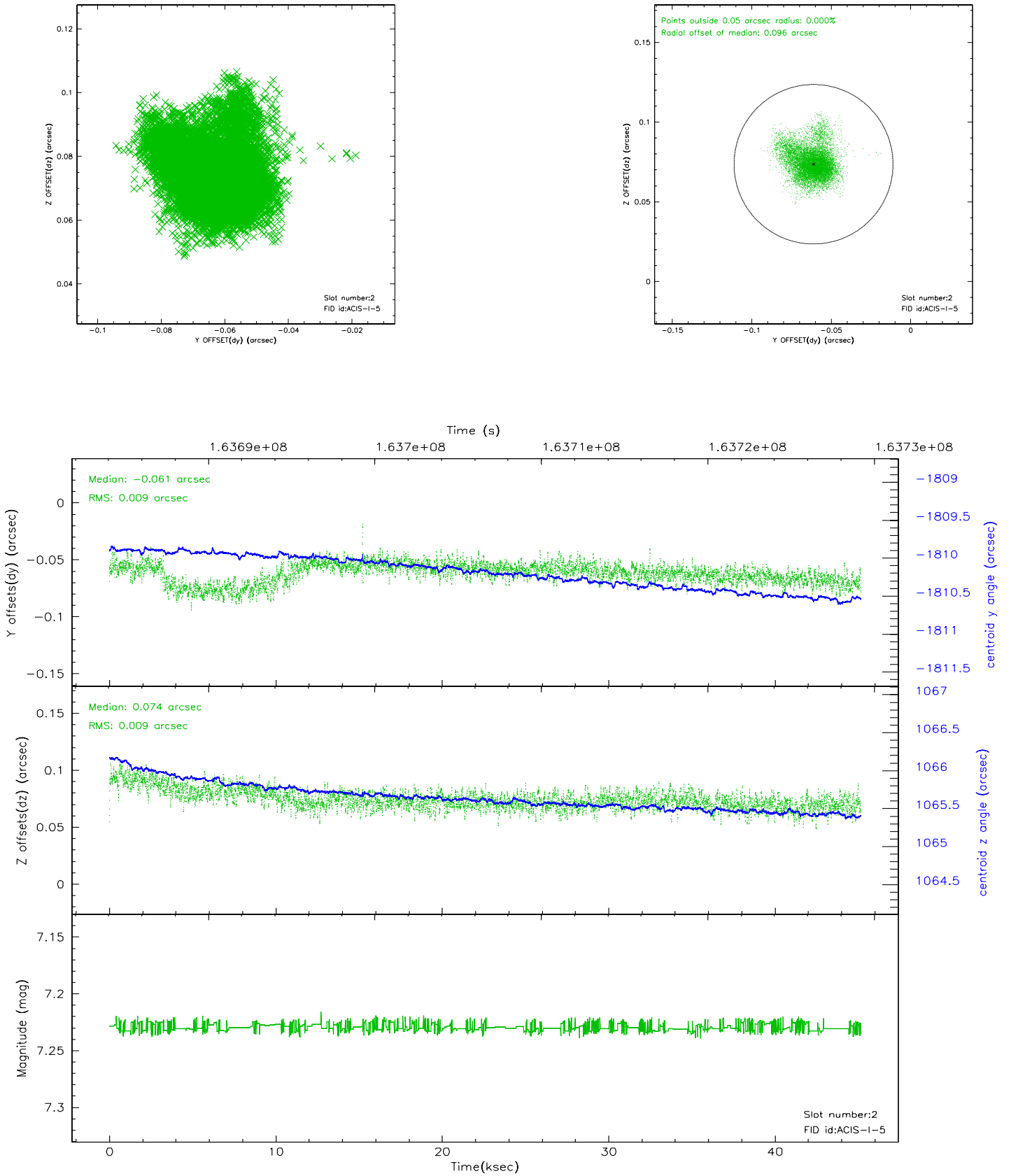
### 2.5.1 Slot 0



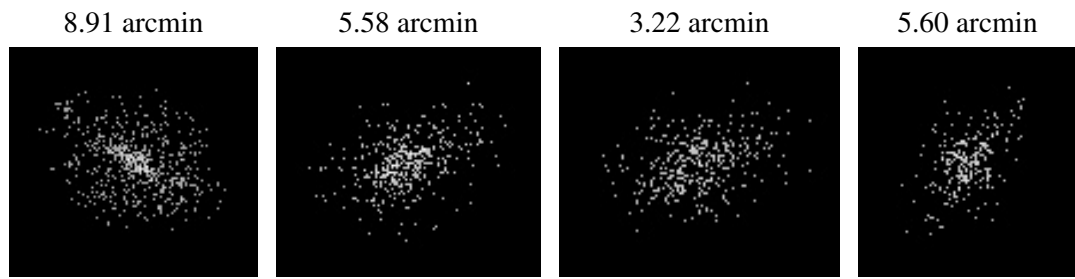
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.151

### A.2 Comments