

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 384 - L2 Version 001  
Chandra X-Ray Center

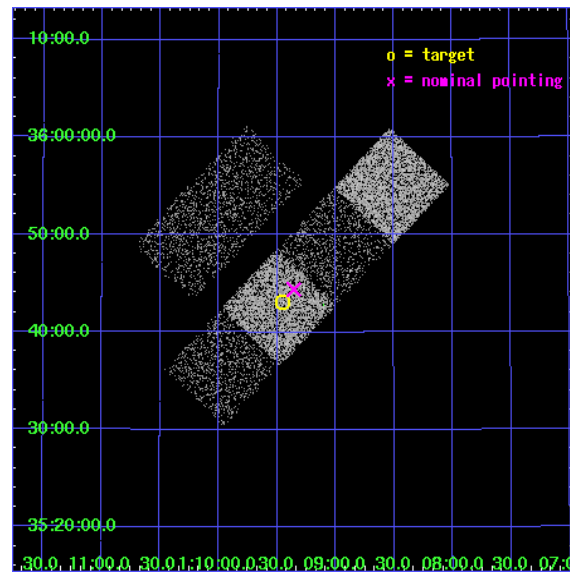
L2 Processing Date : Jun 6 2007

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

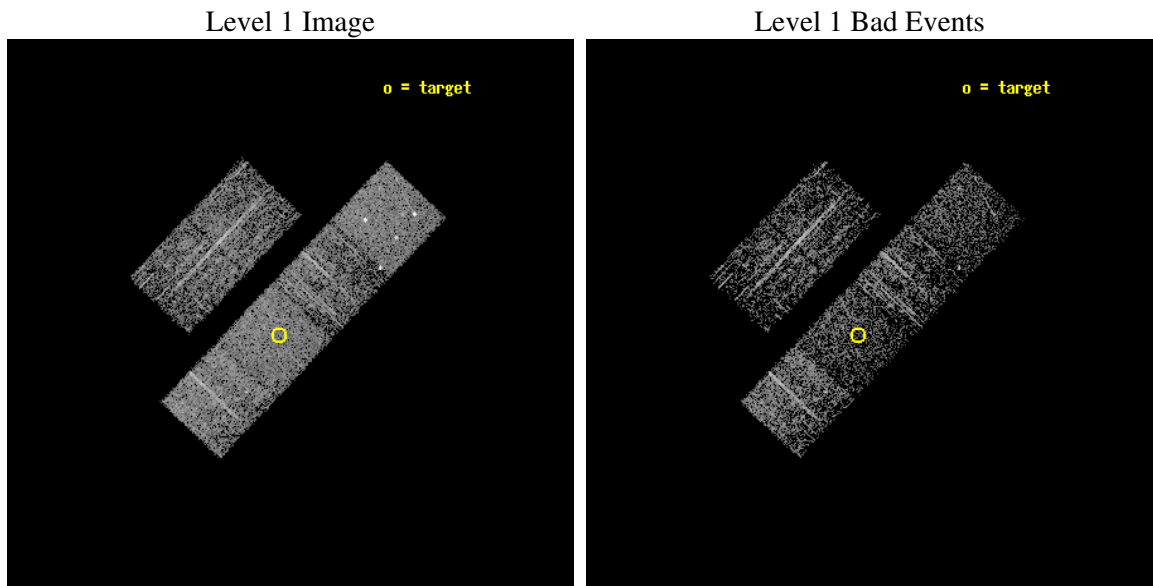
seq_num	700056
obs_id	384
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES
observer	Prof. Gordon Garmire
object	NGC 404
dtcycle	0
cycle	P
ra_targ	17.362083
dec_targ	35.7175
ra_nom	17.339027406061
dec_nom	35.739953016914
roll_nom	133.49540406052
revision	2
ontime	1753.6000016332
livetime	1731.3948625213
ontime2	1753.6000016332
ontime3	1753.6000016332
ontime5	1753.6000016332
ontime6	1753.6000016332
ontime7	1753.6000016332
ontime8	1753.6000016332
l2events	15744



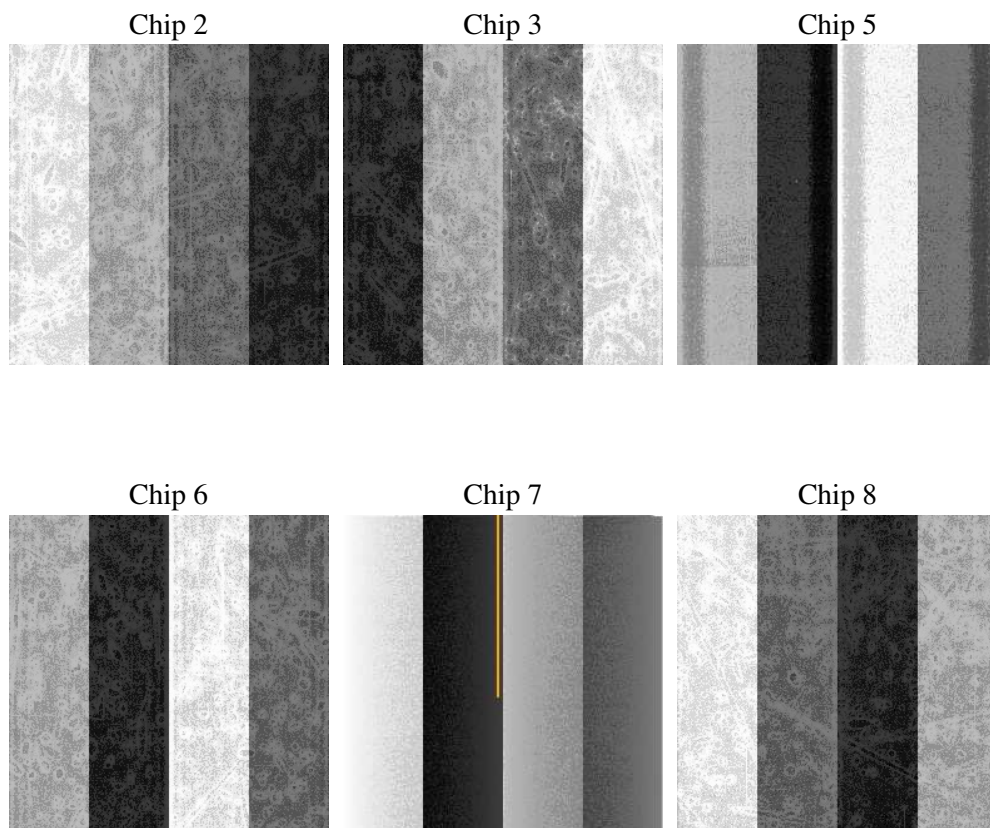
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-06T12:42:40
revision	2

sched_exp_time	2000.000000
ontime	1753.6000016332
ontime2	1753.6000016332
ontime3	1753.6000016332
ontime5	1753.6000016332
ontime6	1753.6000016332
ontime7	1753.6000016332
ontime8	1753.6000016332
l1events	76014

### 2.1.4 Events

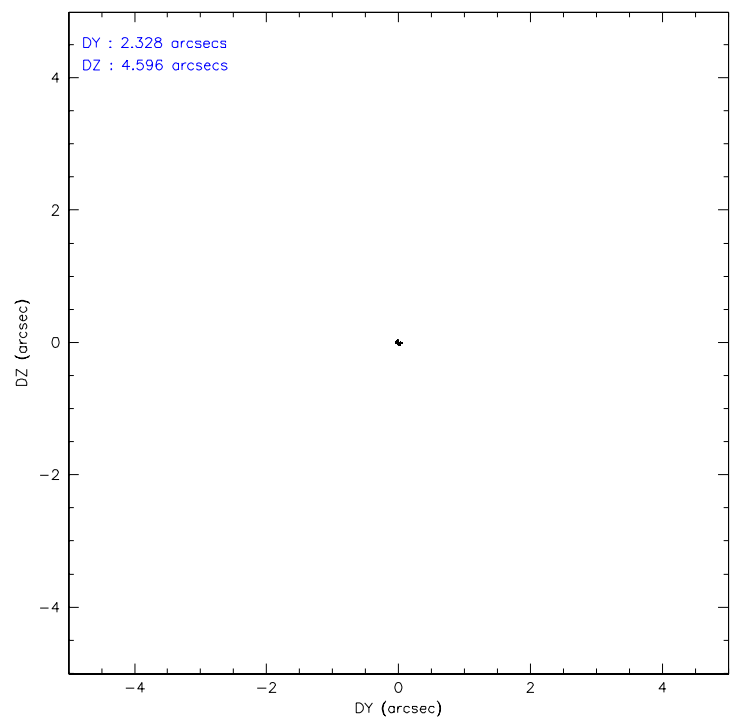
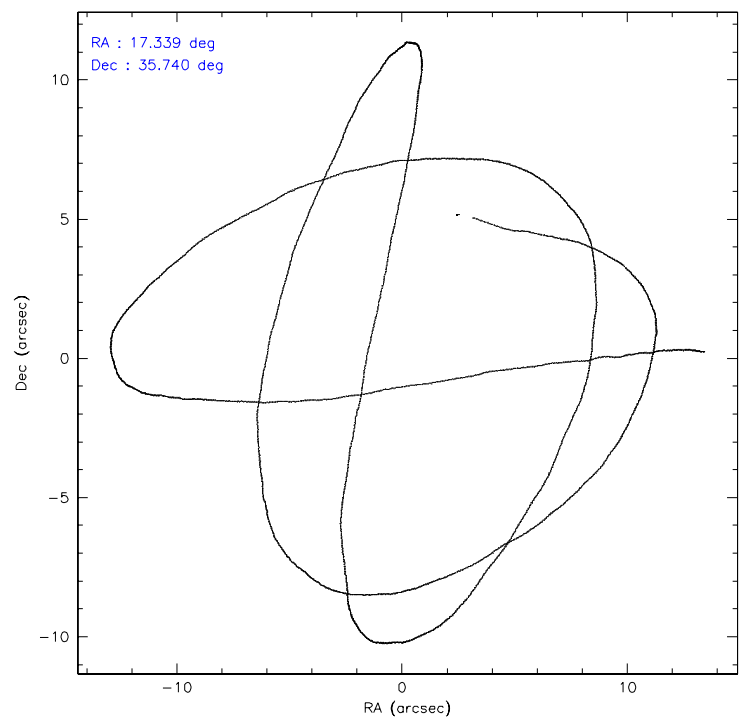
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10515	10279	15298	11197	13186	15539
rejected events	9400	9167	7592	9979	7518	13230
rejected %	89%	89%	49%	89%	57%	85%

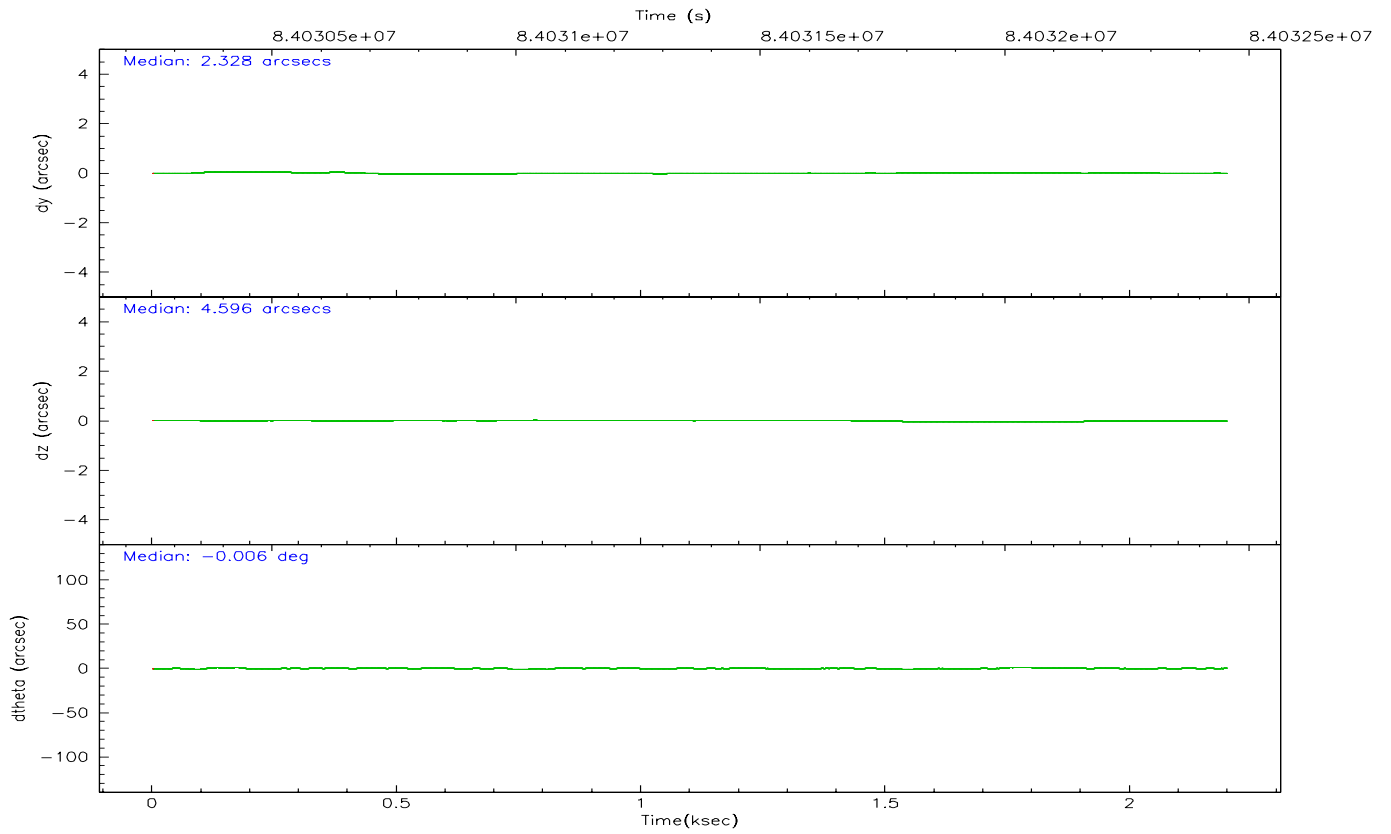
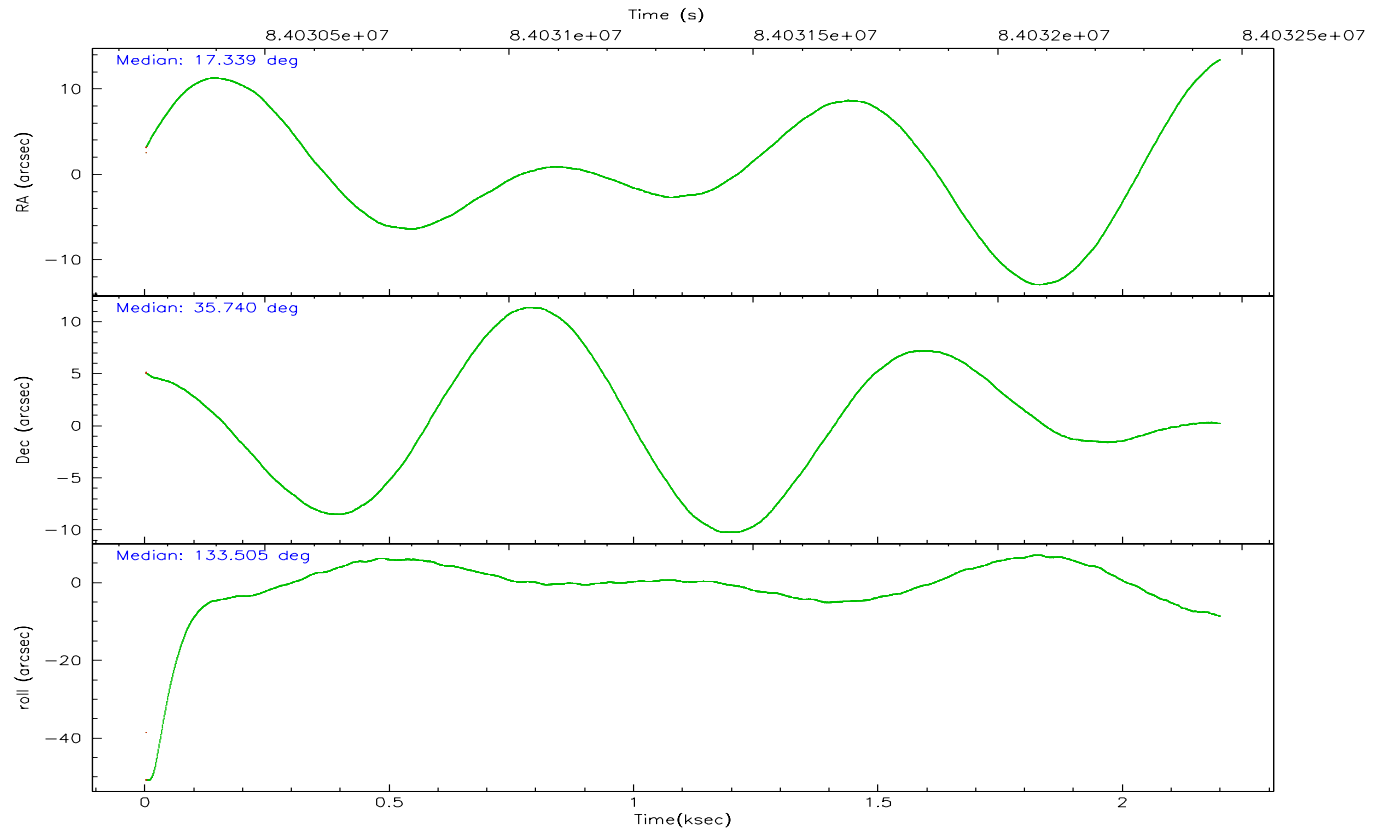
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	442	463	1459	513	558	731
	4%	4%	9%	4%	4%	4%
grade 1 events	3	5	86	7	13	12
	0%	0%	0%	0%	0%	0%
grade 2 events	250	233	2154	240	1117	504
	2%	2%	14%	2%	8%	3%
grade 3 events	105	123	304	119	507	253
	0%	1%	1%	1%	3%	1%
grade 4 events	122	114	312	133	550	215
	1%	1%	2%	1%	4%	1%
grade 5 events	342	337	1119	419	1243	507
	3%	3%	7%	3%	9%	3%
grade 6 events	201	187	3501	217	2957	608
	1%	1%	22%	1%	22%	3%
grade 7 events	9050	8817	6363	9549	6241	12709
	86%	85%	41%	85%	47%	81%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	17.371331	17.33902740606143	Subarray requested	NONE	NONE
Pointing Dec	35.732371	35.73995301691384	Alternating exposures requested	N	N
Pointing Roll	133.320180	133.4954040605188	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	84030457.184000	84029906.721949			
Observation start date	2000-08-30T13:46:33	2000-08-30T13:38:26			
Observation end time	84032457.184000	84033452.709582			
Observation end date	2000-08-30T14:19:53	2000-08-30T14:37:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect





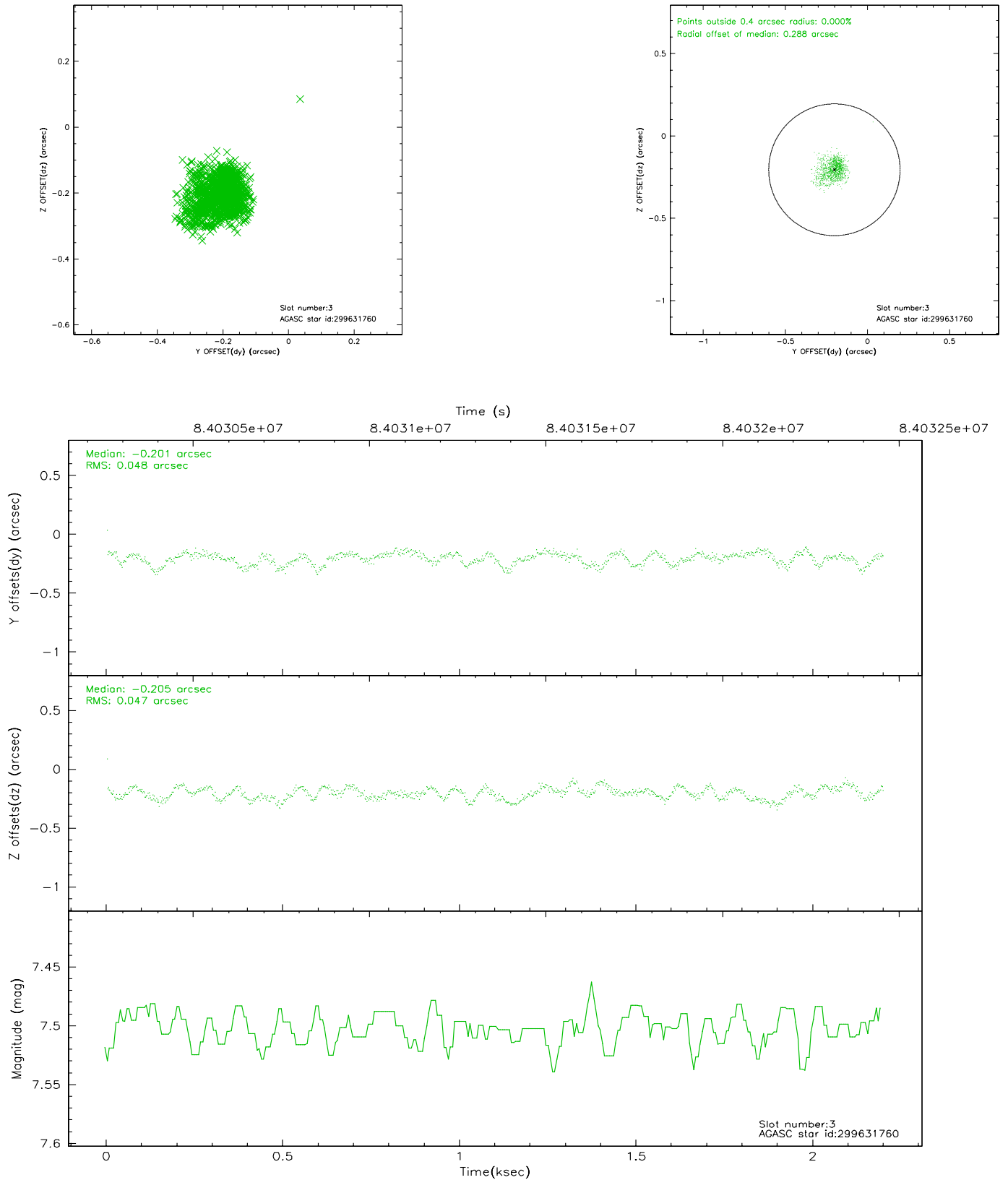
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	537	-0.012	0.036	0.006	0.010	0.000000	0.000000	941.09	-1721.22
1	FID	ACIS-S-5	7.24	537	0.021	0.014	0.006	0.009	0.000000	0.000000	-1806.22	173.24
2	FID	ACIS-S-6	7.35	537	-0.030	-0.038	0.006	0.010	0.000000	0.000000	403.41	820.52
3	GUIDE	299631760	7.50	1073	-0.201	-0.205	0.069	0.118	16.695472	35.572221	943.42	1831.06
4	GUIDE	300159208	8.77	1073	-0.142	0.194	0.069	0.114	17.621939	36.428687	1326.82	-2246.22
5	GUIDE	299634040	9.12	1073	0.167	-0.166	0.079	0.135	17.345109	34.918901	-2075.73	2064.34
6	GUIDE	300161848	9.23	1072	0.062	-0.107	0.073	0.123	17.003479	35.816423	956.59	574.64
7	GUIDE	301867736	9.44	1072	0.116	0.294	0.088	0.146	18.118417	35.982007	-832.62	-2203.96

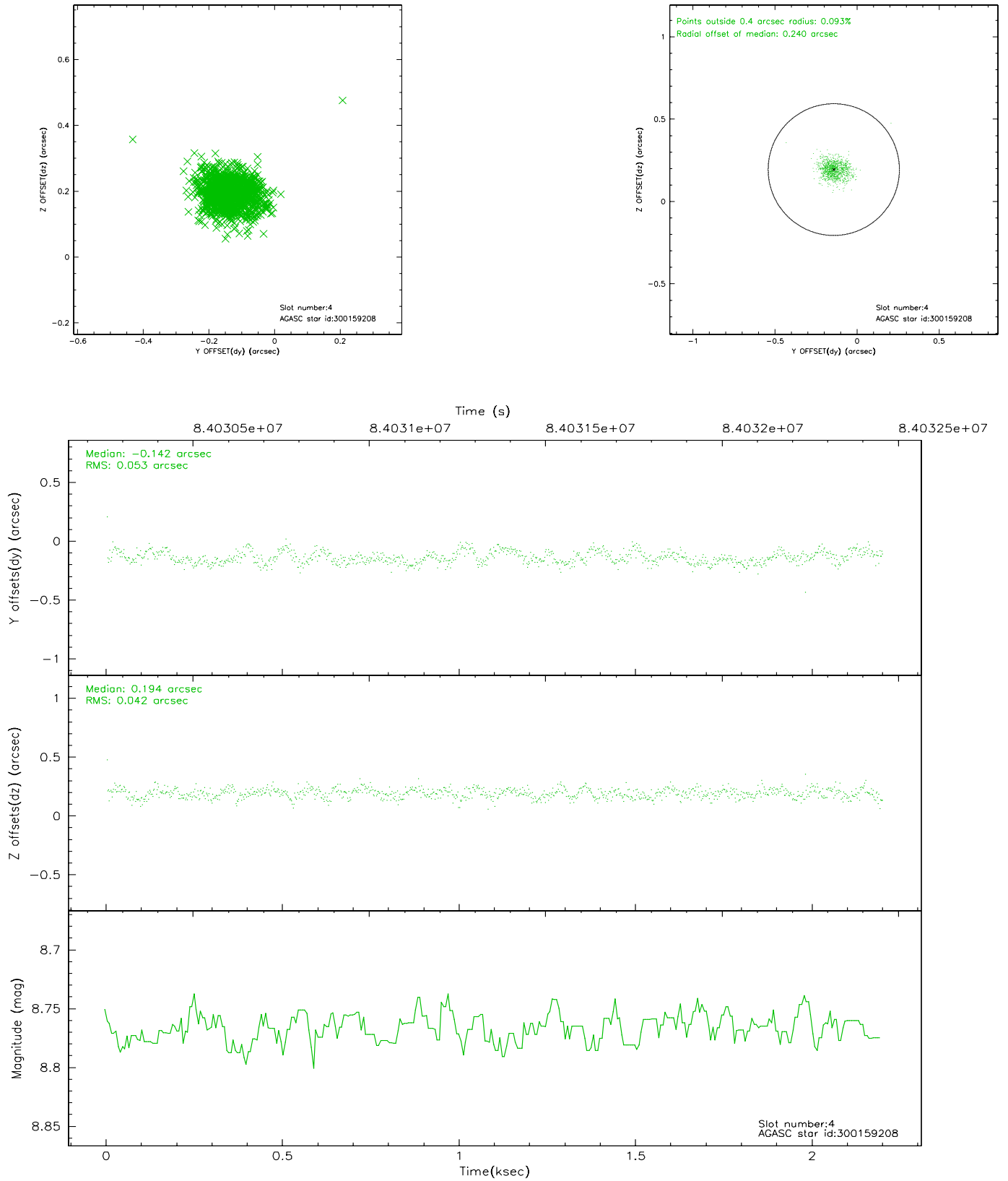


## 2.4 Star Slots

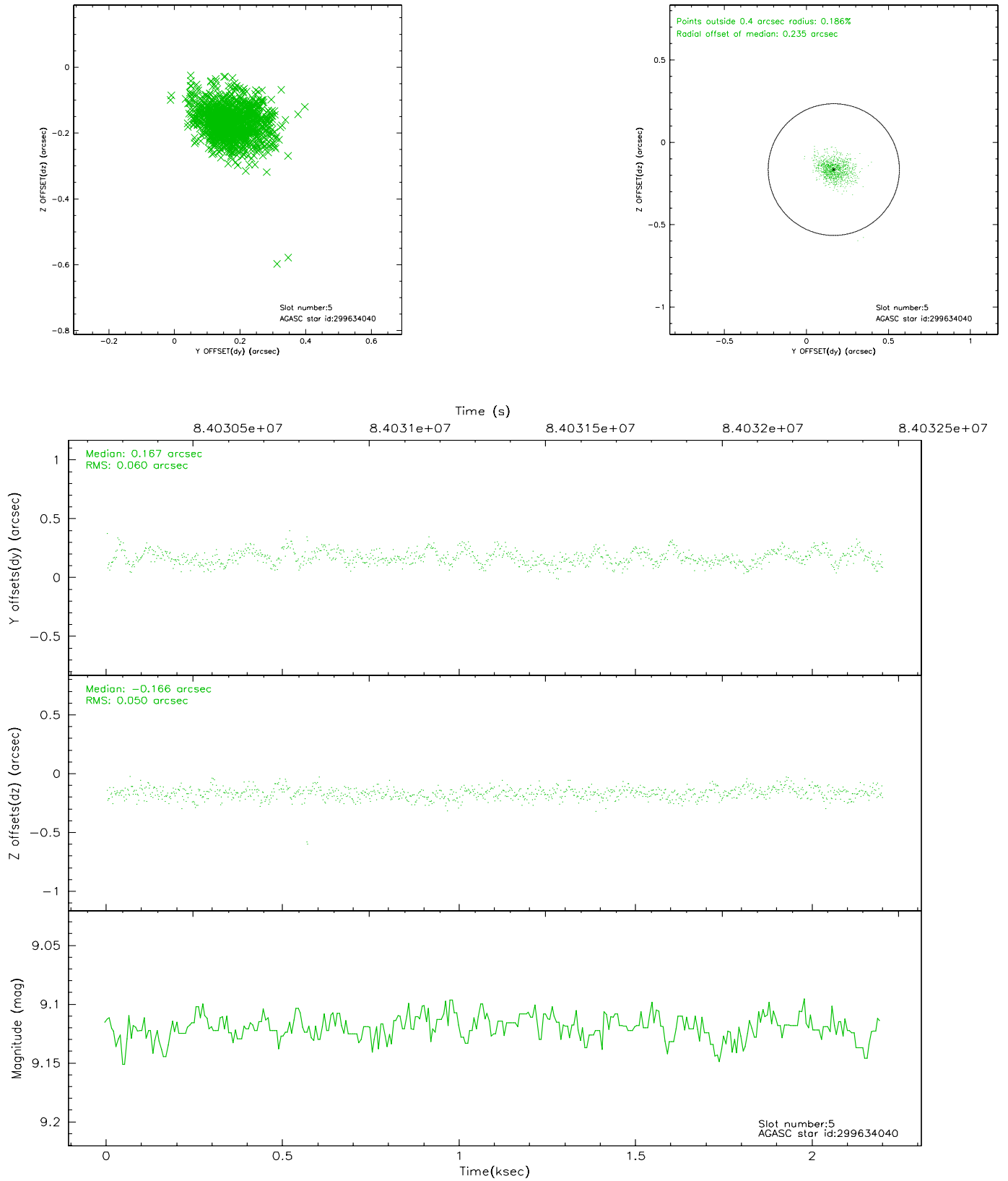
### 2.4.1 Slot 3



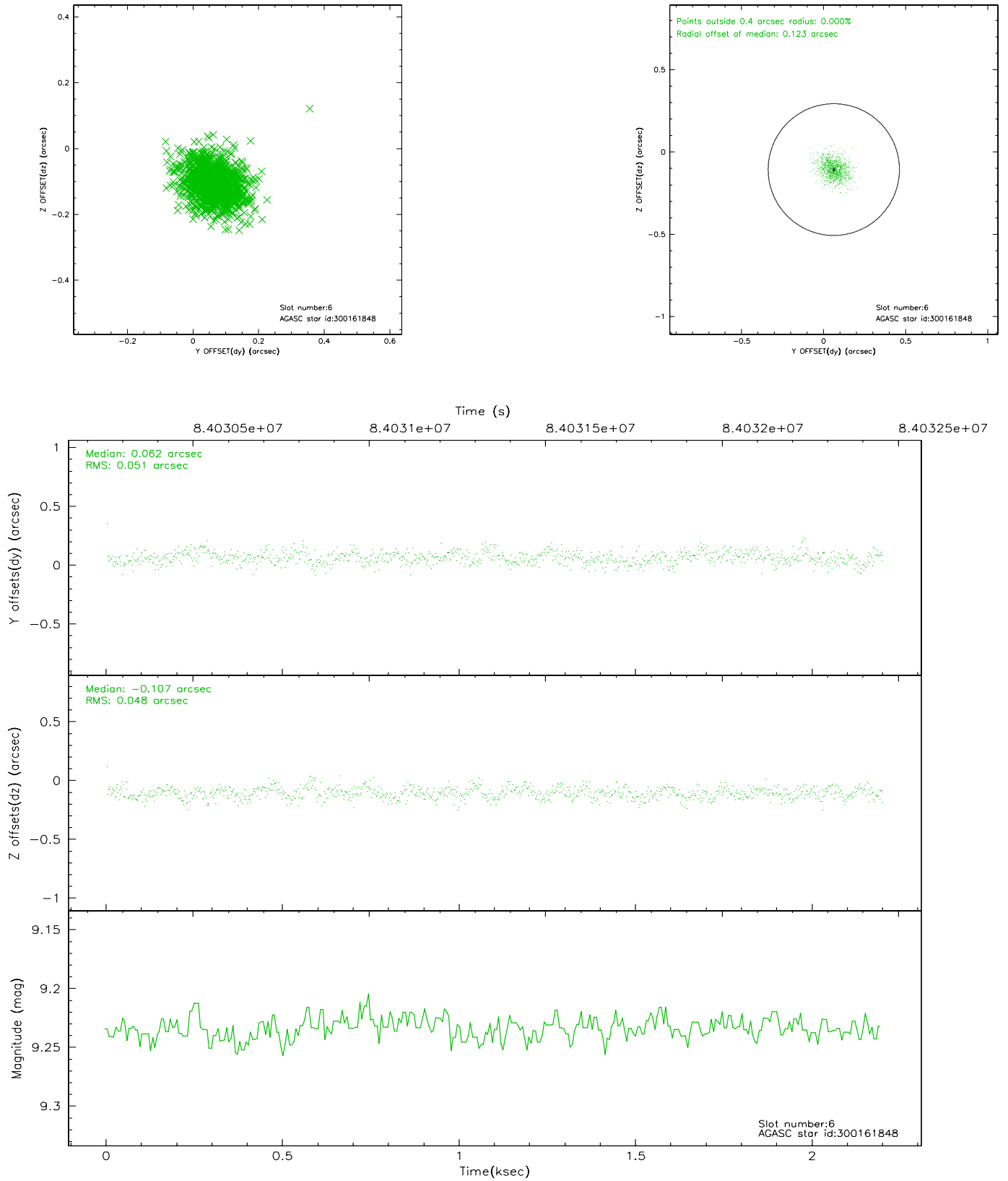
## 2.4.2 Slot 4



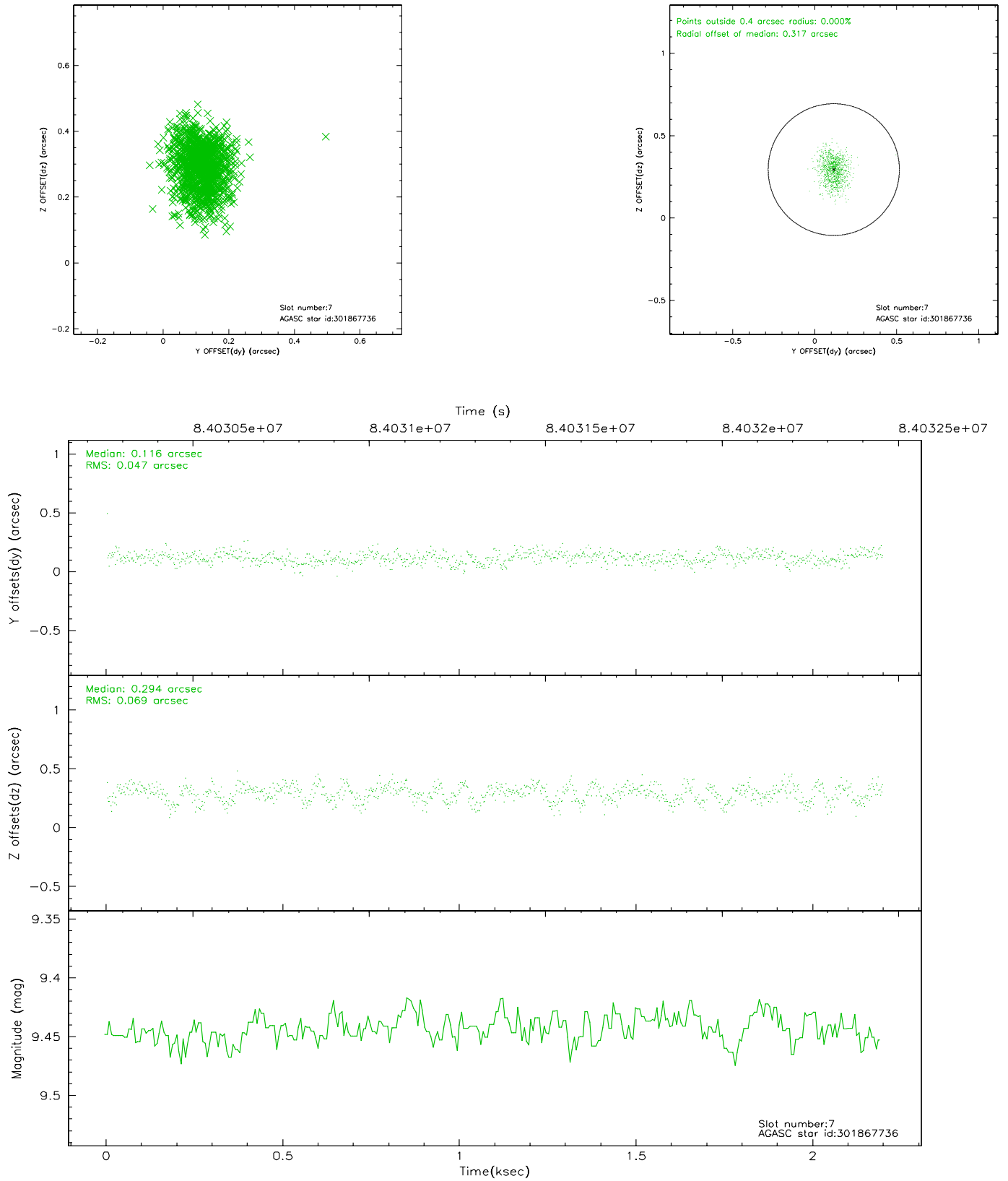
### 2.4.3 Slot 5



## 2.4.4 Slot 6

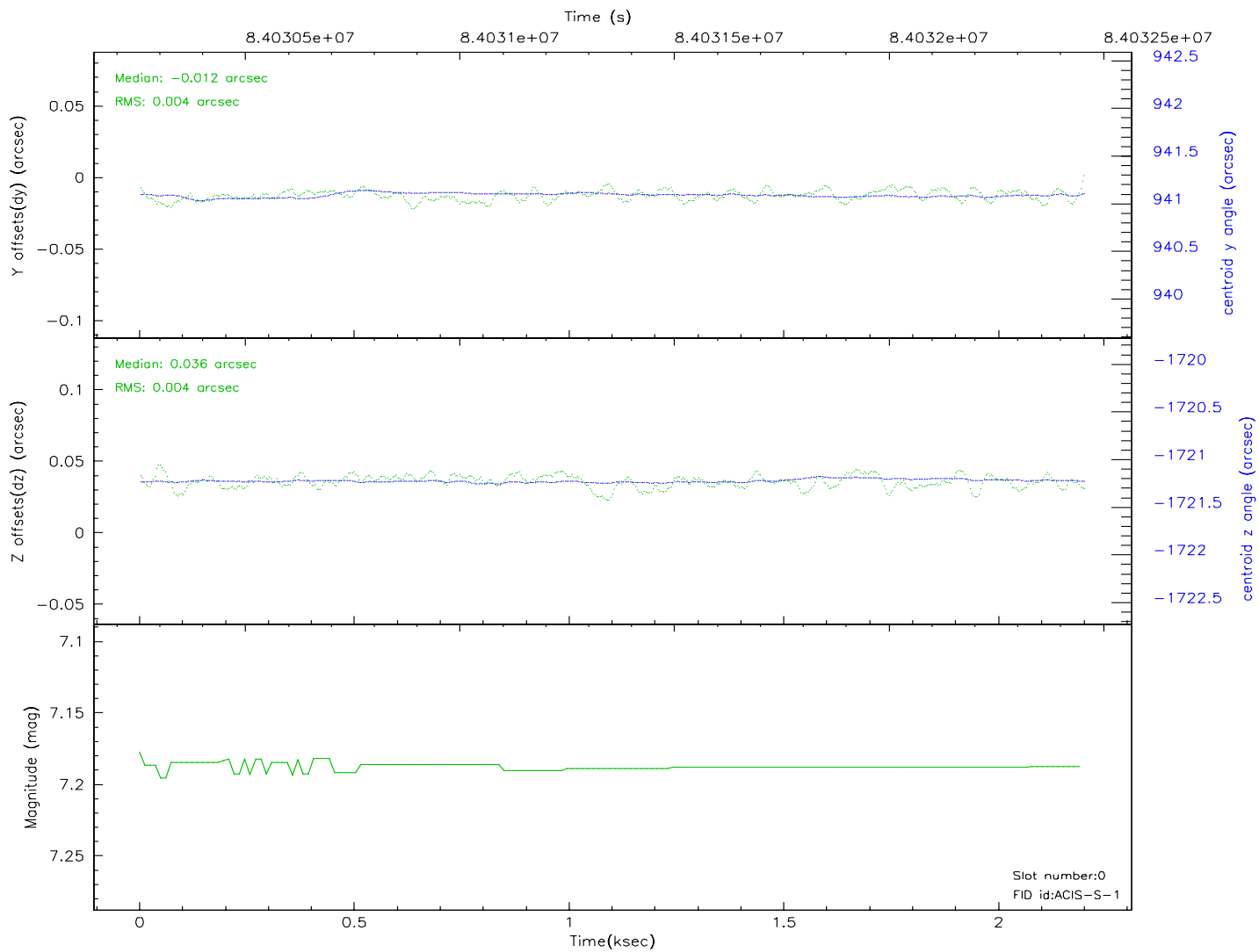
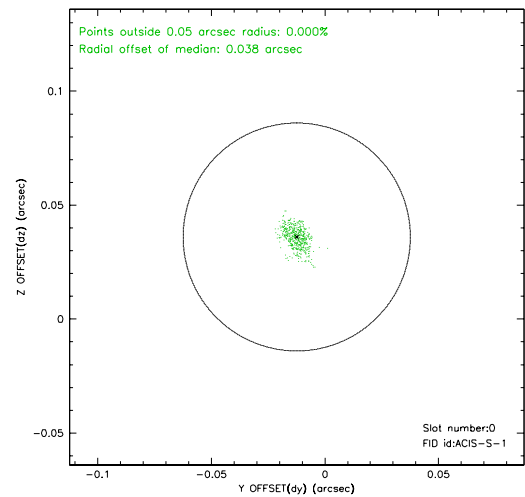
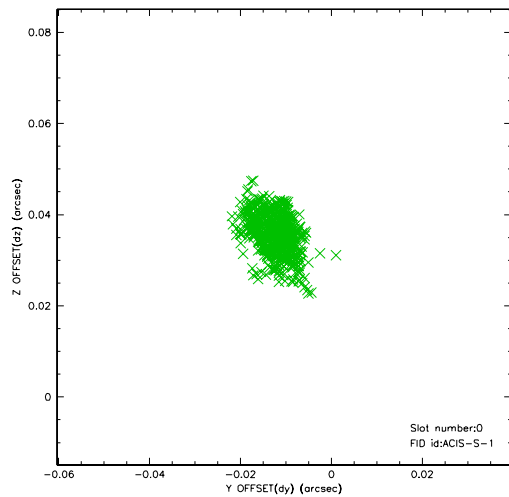


## 2.4.5 Slot 7

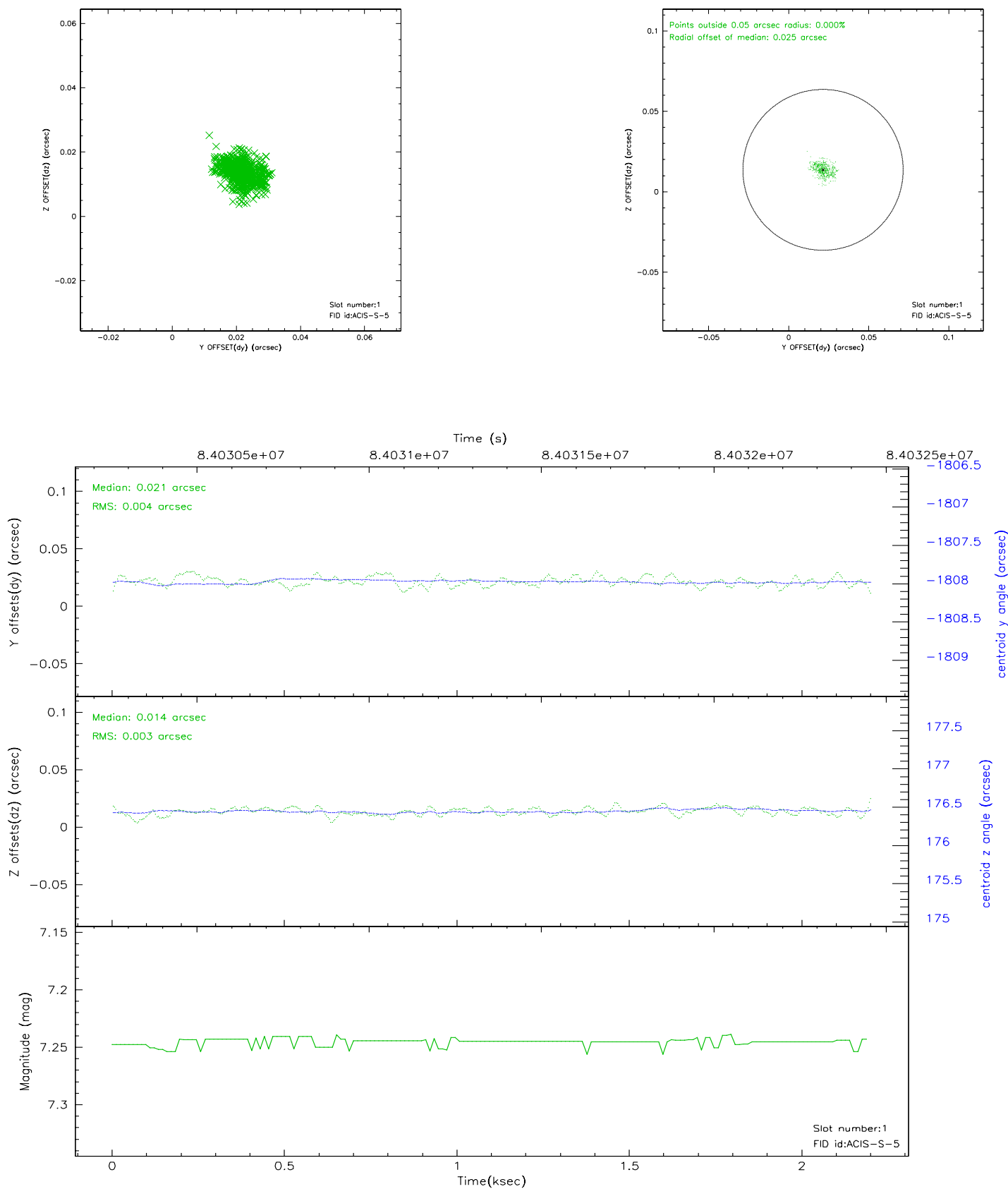


## 2.5 FID Slots

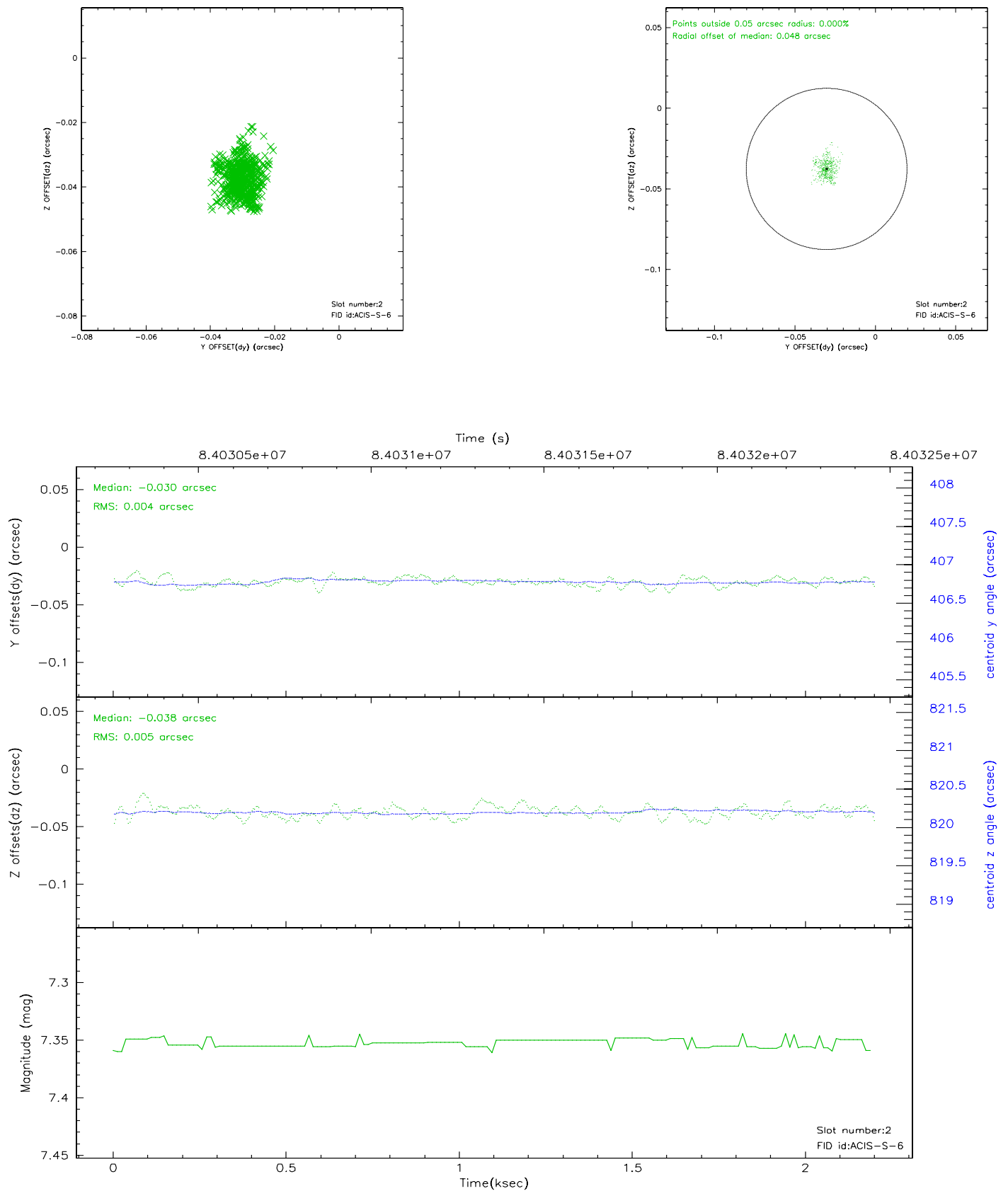
### 2.5.1 Slot 0



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)	2007.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.756

### A.2 Comments