

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5950 - L2 Version 002  
Chandra X-Ray Center

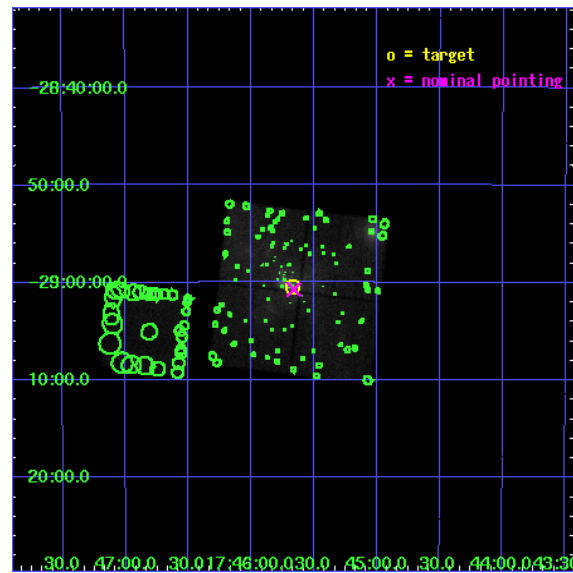
L2 Processing Date : Mar 15 2006

## 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

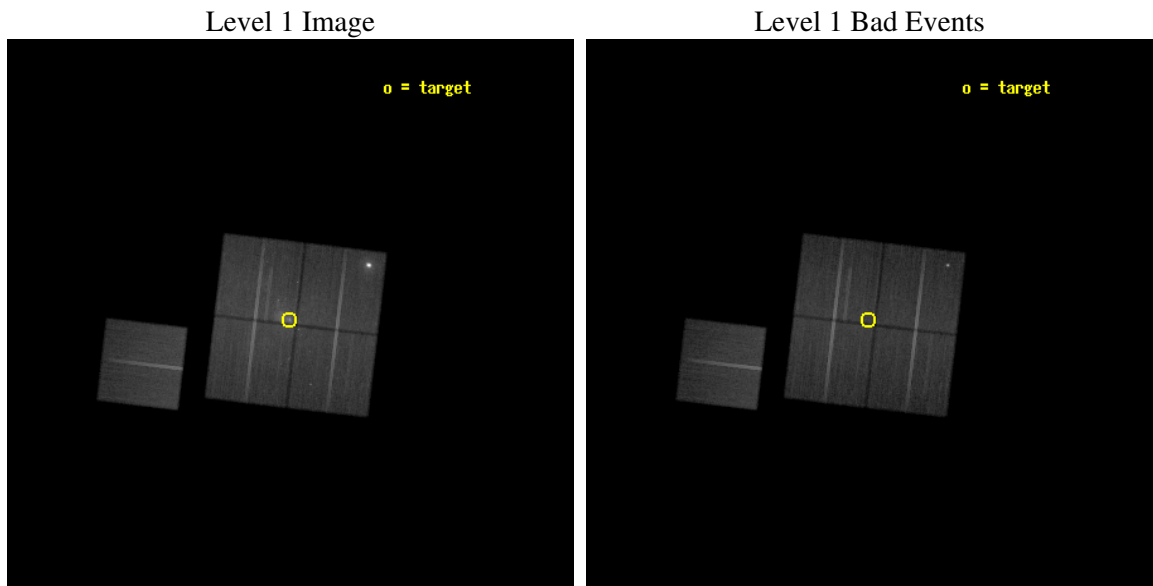
seq_num	600469
obs_id	5950
title	Simultaneous Gamma-Ray to Sub-Millimeter Monitoring of Sagittarius A*
observer	Dr. Frederick Baganoff
object	Sgr A*
dtcycle	0
cycle	P
ra_targ	266.416667
dec_targ	-29.007778
ra_nom	266.41518839508
dec_nom	-29.012220687317
roll_nom	276.74669214293
revision	2
ontime	49175.299905449
livetime	48532.788409855
ontime0	49175.299905449
ontime1	49175.299905449
ontime2	49175.299905449
ontime3	49175.299905449
ontime6	49175.299905449
l2events	484802



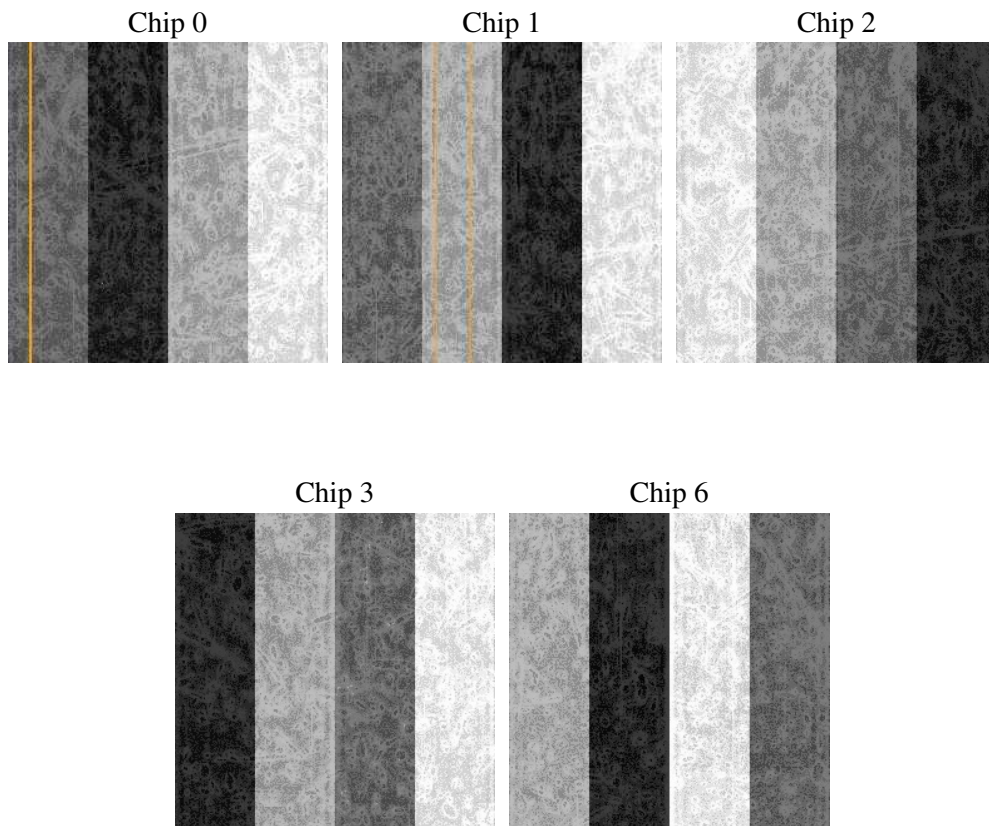
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-15T19:23:02
revision	2

sched_exp_time	49000.000000
ontime	49386.146791011
ontime0	49386.146791011
ontime1	49386.146771103
ontime2	49386.146791011
ontime3	49386.146791011
ontime6	49386.146791011
l1events	2207080

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	391535	490752	437057	485538	402198
rejected events	312362	322931	348720	348213	347508
rejected %	79%	65%	79%	71%	86%

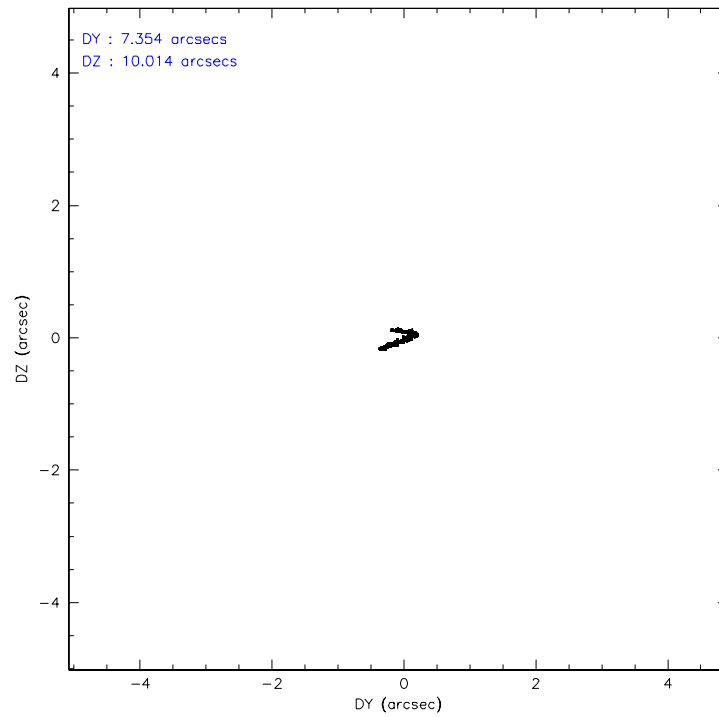
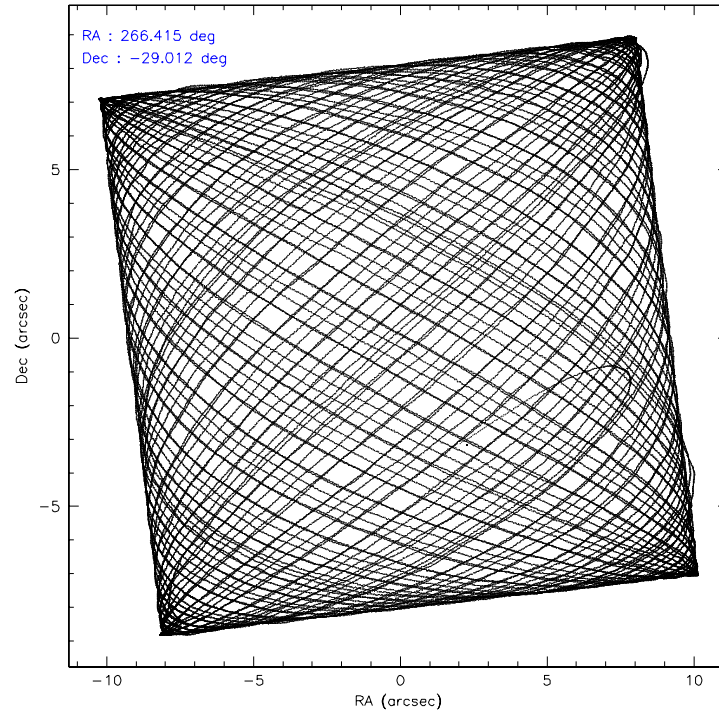
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	42174	96403	50643	83912	24554
	10%	19%	11%	17%	6%
grade 1 events	334	1216	458	695	186
	0%	0%	0%	0%	0%
grade 2 events	14493	28977	15266	21470	10700
	3%	5%	3%	4%	2%
grade 3 events	6192	11495	6119	8922	4938
	1%	2%	1%	1%	1%
grade 4 events	5869	11194	6314	8714	4890
	1%	2%	1%	1%	1%
grade 5 events	16223	17878	15403	18276	17934
	4%	3%	3%	3%	4%
grade 6 events	10775	20343	10333	14834	9852
	2%	4%	2%	3%	2%
grade 7 events	295475	303246	332521	328715	329144
	75%	61%	76%	67%	81%

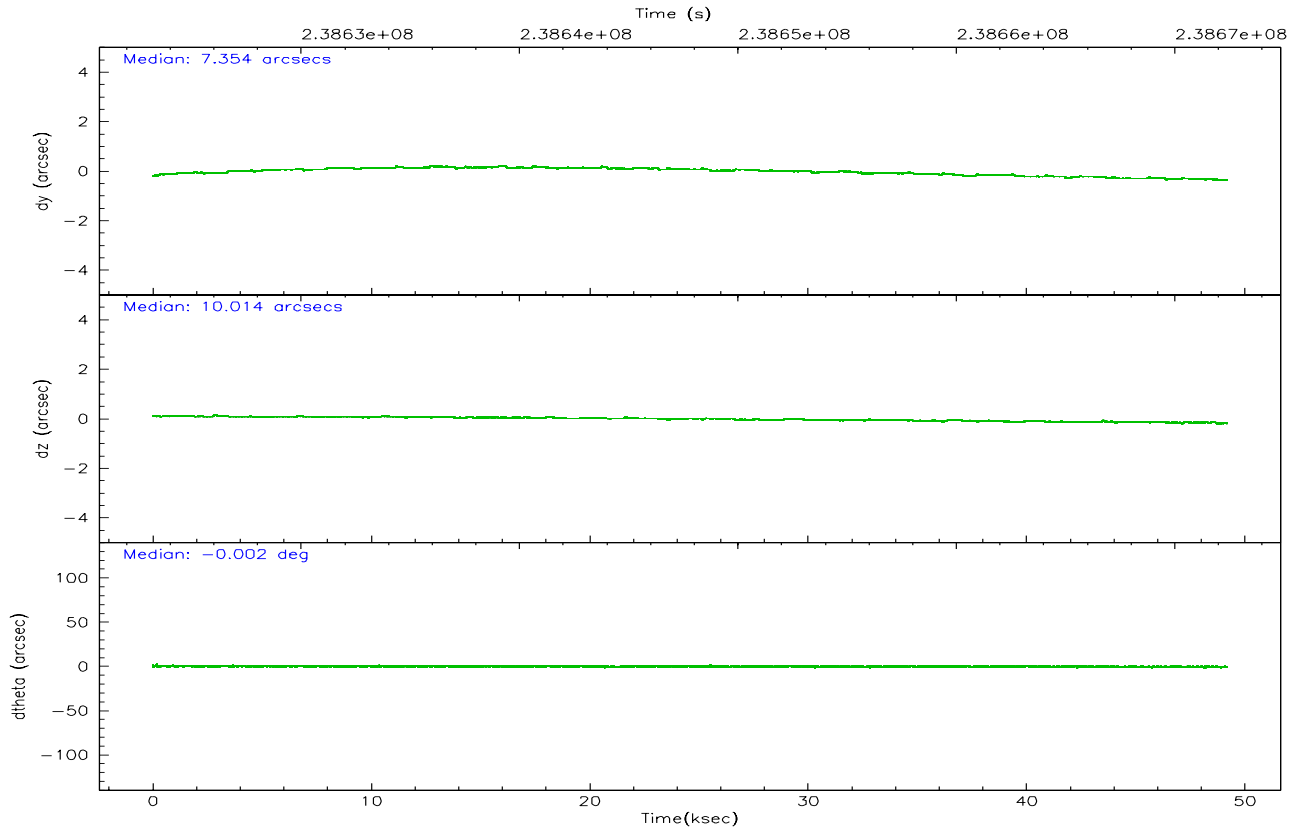
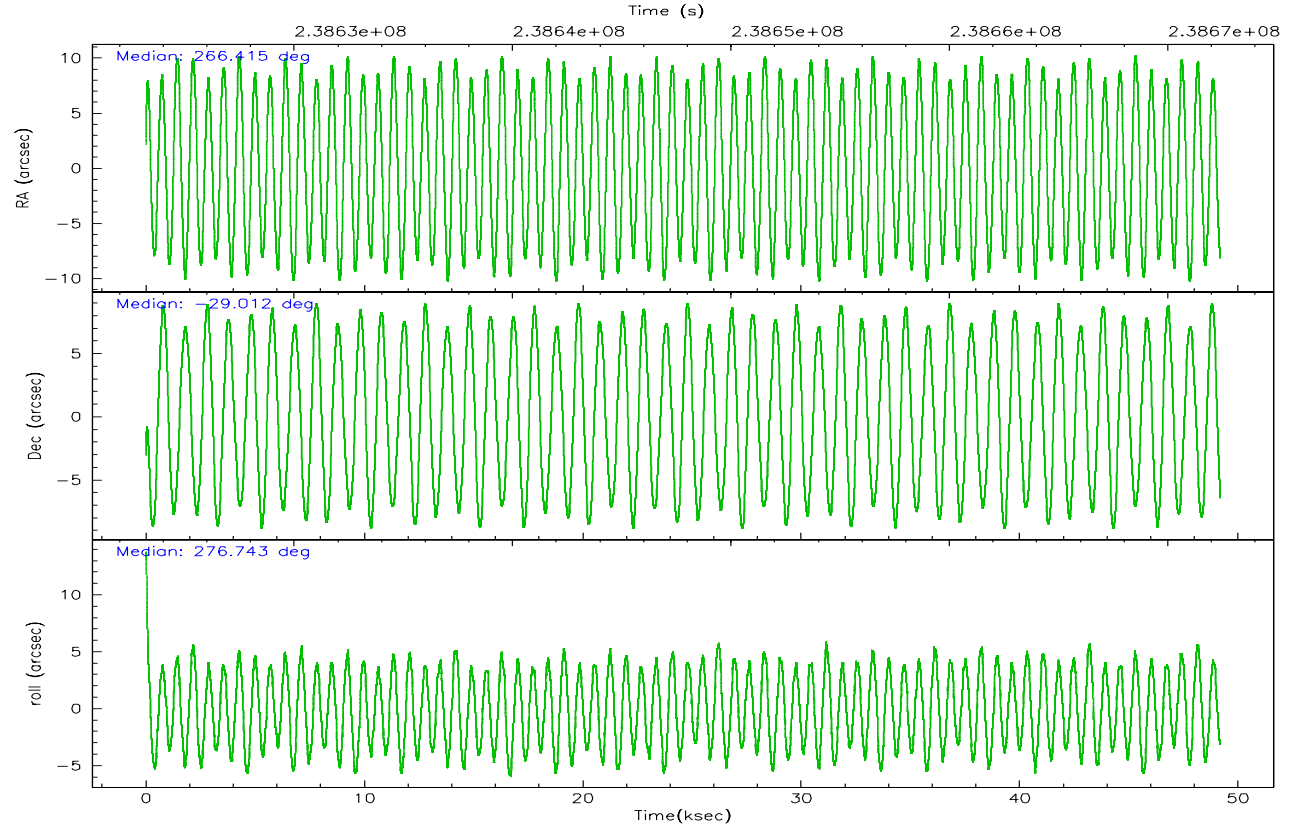


## 2.2 Compared Parameters

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	266.396354	266.4151883950847	Alternating exposures requested	N	N
Pointing Dec	-28.990358	-29.01222068731743	Primary exposure time	0.000000	3.1
Pointing Roll	276.528875	276.7466921429298			
Window start time	238621624.184000	238621624.184000			
Window stop time	238670644.184000	238670644.184000			
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	238623402.184000	238622307.91619			
Observation start date	2005-07-24T20:15:38	2005-07-24T19:58:27			
Observation end time	238672402.184000	238673270.91852			
Observation end date	2005-07-25T09:52:18	2005-07-25T10:07:50			
Read mode	TIMED	TIMED			

## 2.3 Aspect



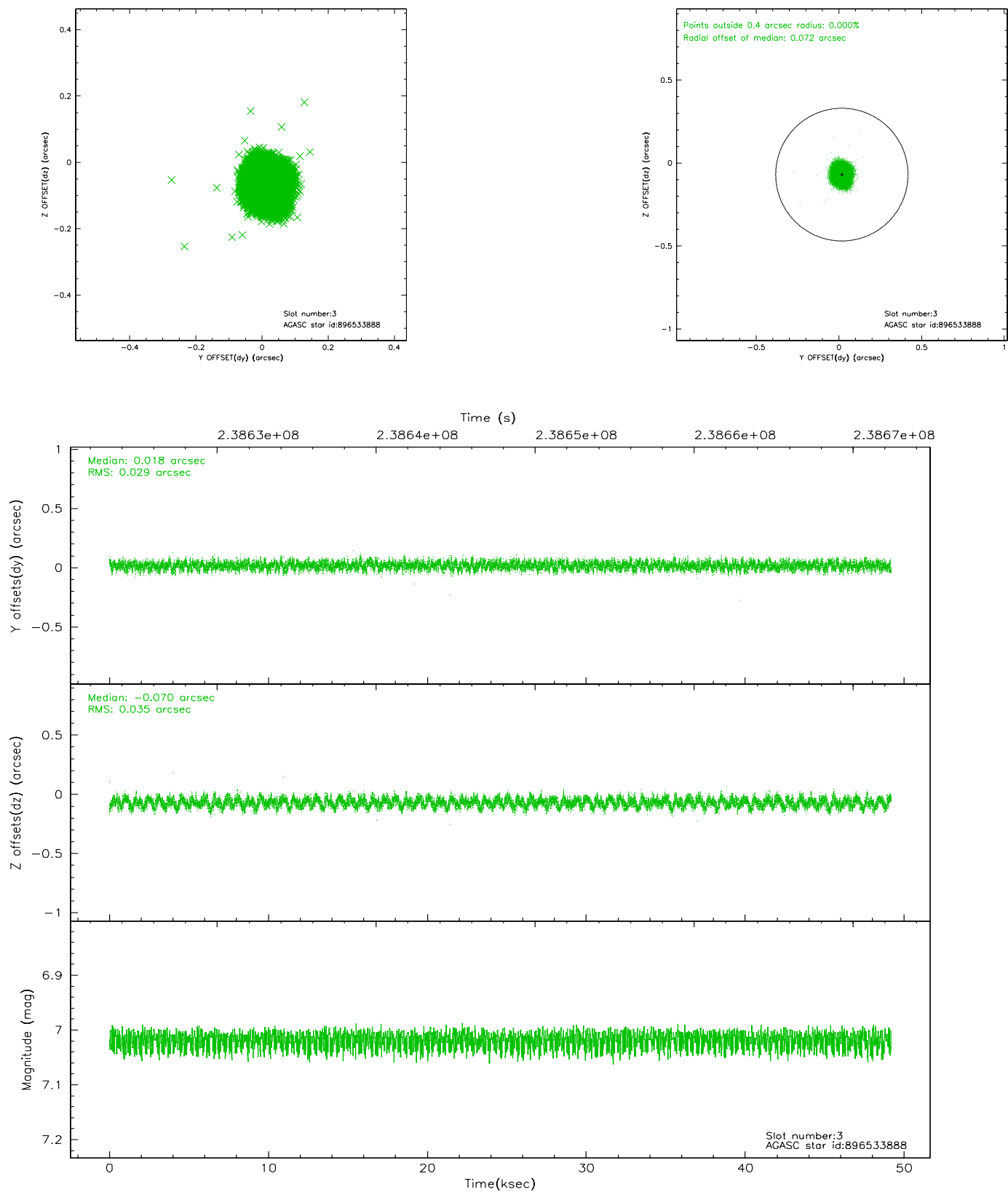


### Slot Statistics

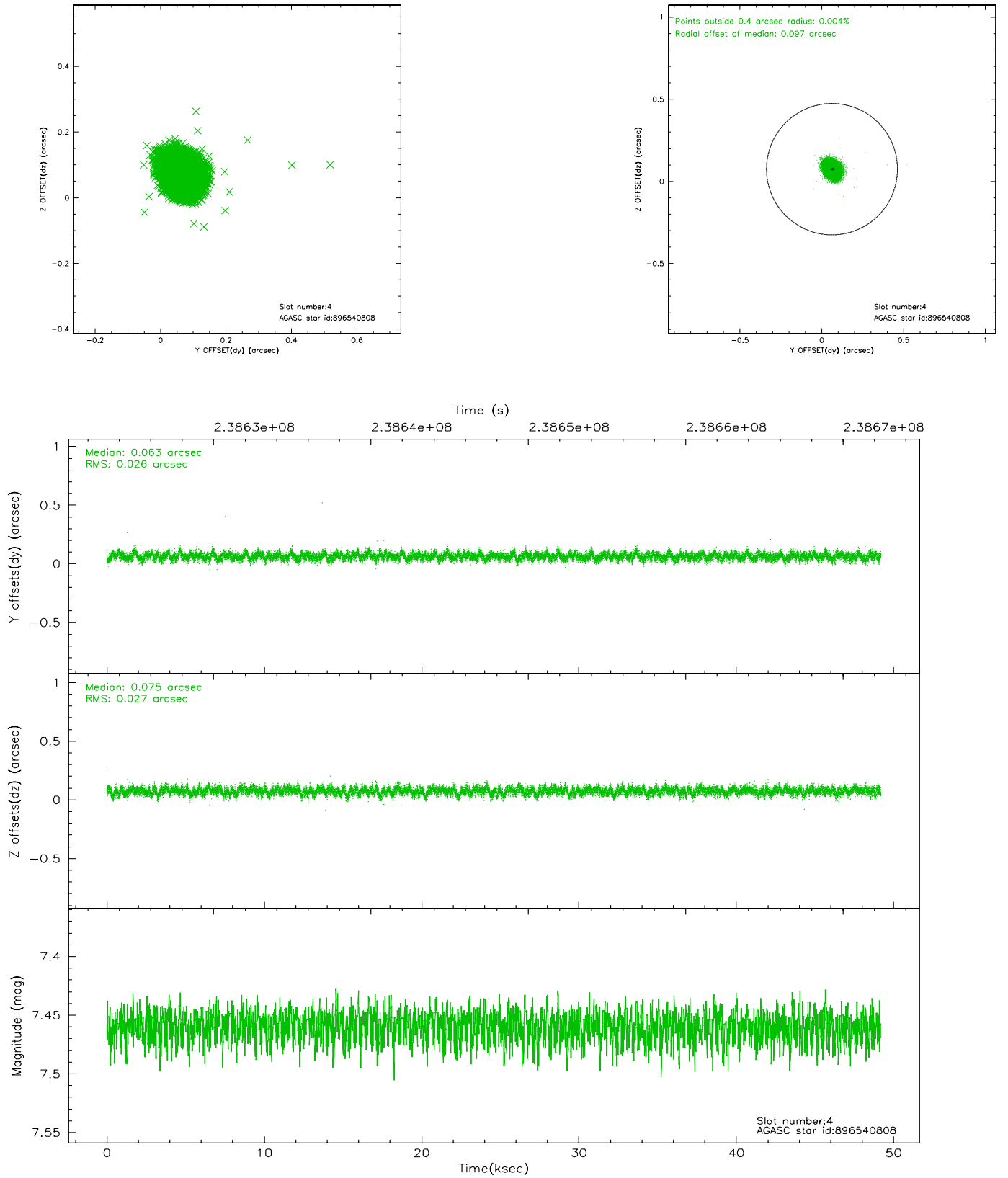
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11996	-0.012	0.039	0.009	0.016	0.000000	0.000000	932.33	-833.43
1	FID	ACIS-I-5	7.23	11995	-0.133	0.019	0.008	0.013	0.000000	0.000000	-1815.91	1064.04
2	FID	ACIS-I-6	7.25	11995	0.054	0.012	0.008	0.013	0.000000	0.000000	397.96	1708.52
3	GUIDE	896533888	7.02	23991	0.018	-0.070	0.049	0.076	266.666434	-29.392757	1536.74	676.89
4	GUIDE	896540808	7.46	23991	0.063	0.075	0.040	0.065	265.985401	-29.308604	994.27	-1412.04
5	GUIDE	896541360	7.72	23918	0.057	0.018	0.047	0.077	266.684478	-29.453744	1761.47	707.66
6	GUIDE	896541576	8.19	23985	-0.060	-0.023	0.060	0.096	267.051055	-28.762912	-572.82	2145.16
7	GUIDE	896404568	7.86	23988	-0.079	0.006	0.051	0.085	265.687293	-28.431080	-2248.74	-2002.17

## 2.4 Star Slots

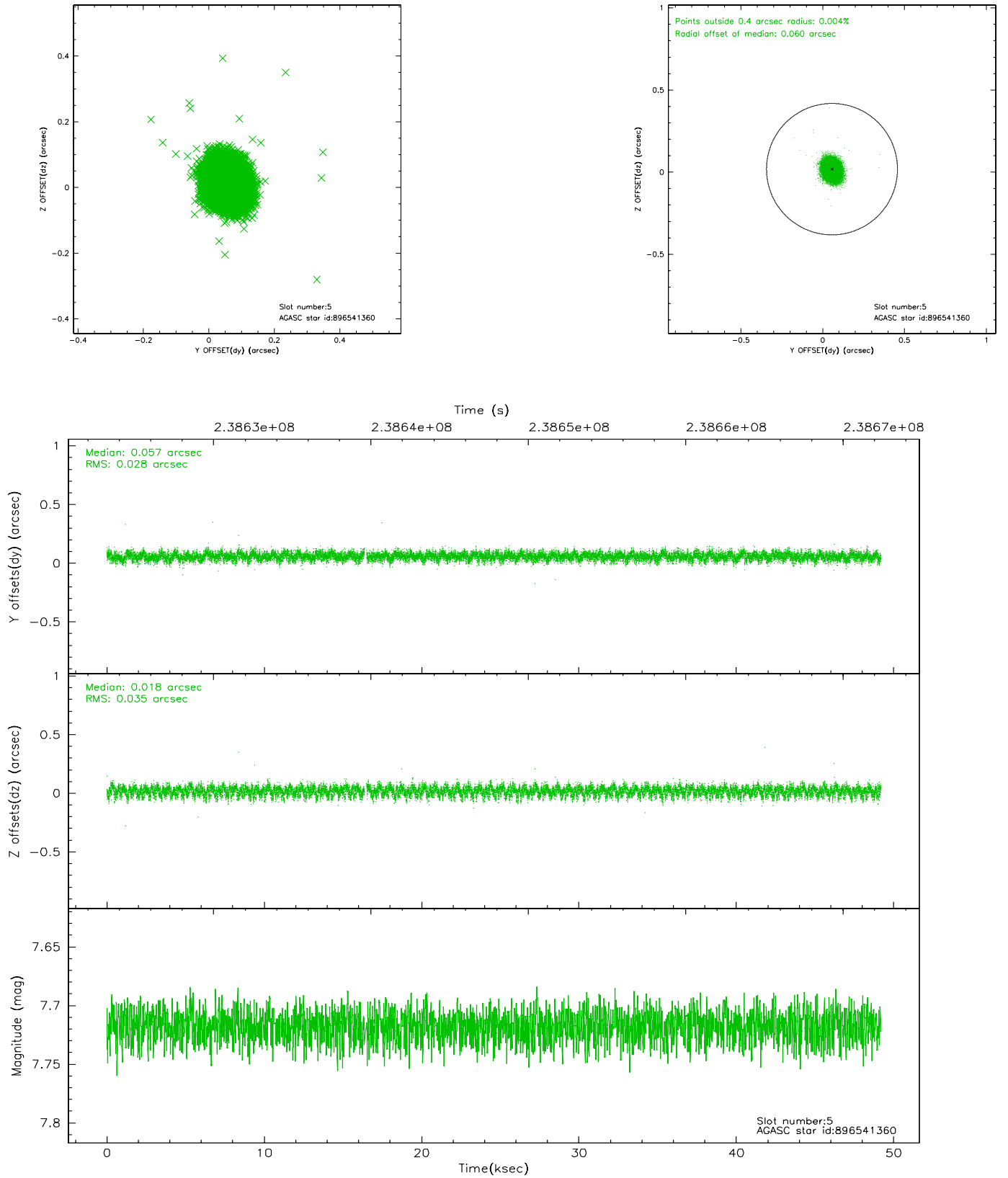
### 2.4.1 Slot 3



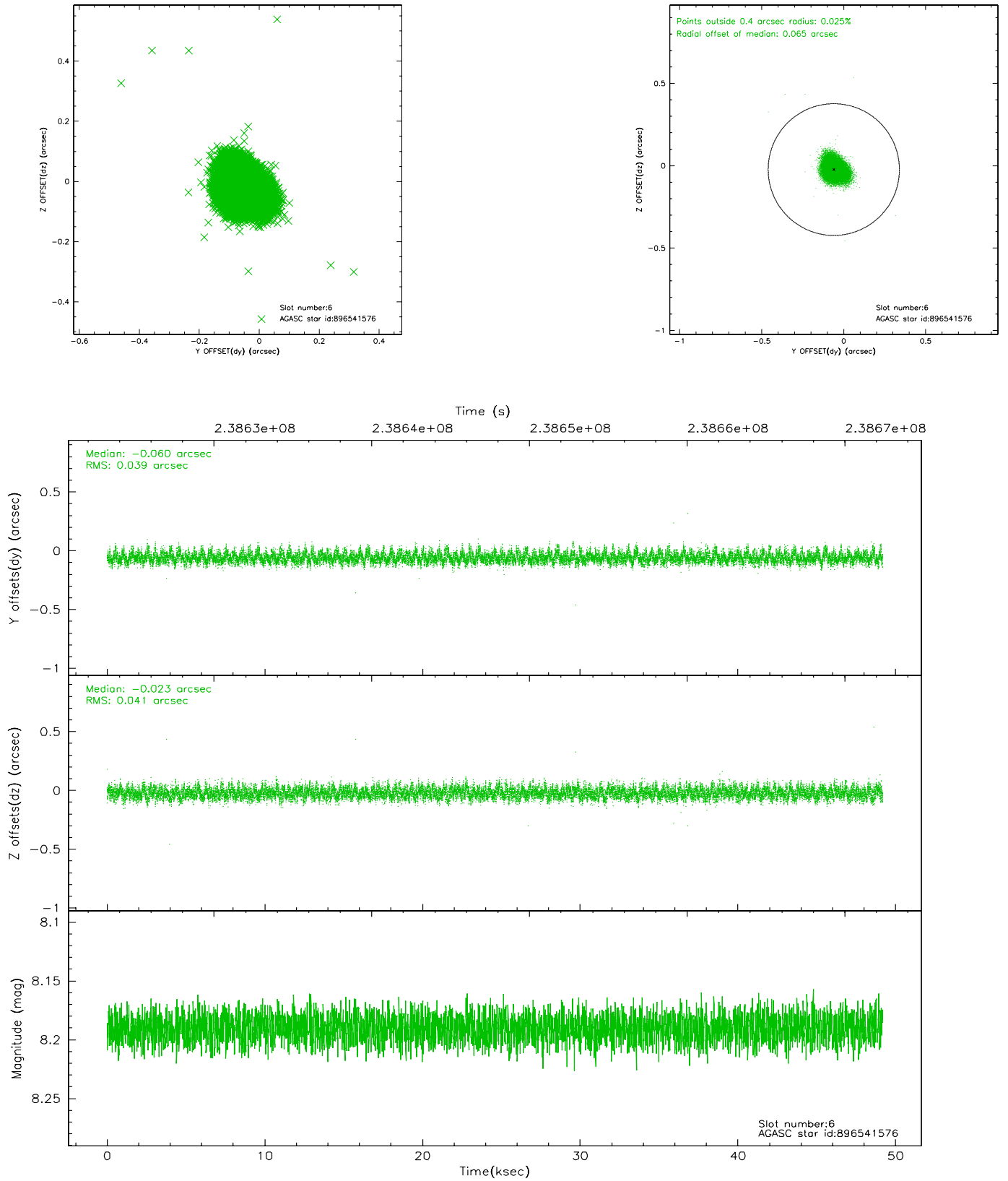
## 2.4.2 Slot 4



### 2.4.3 Slot 5

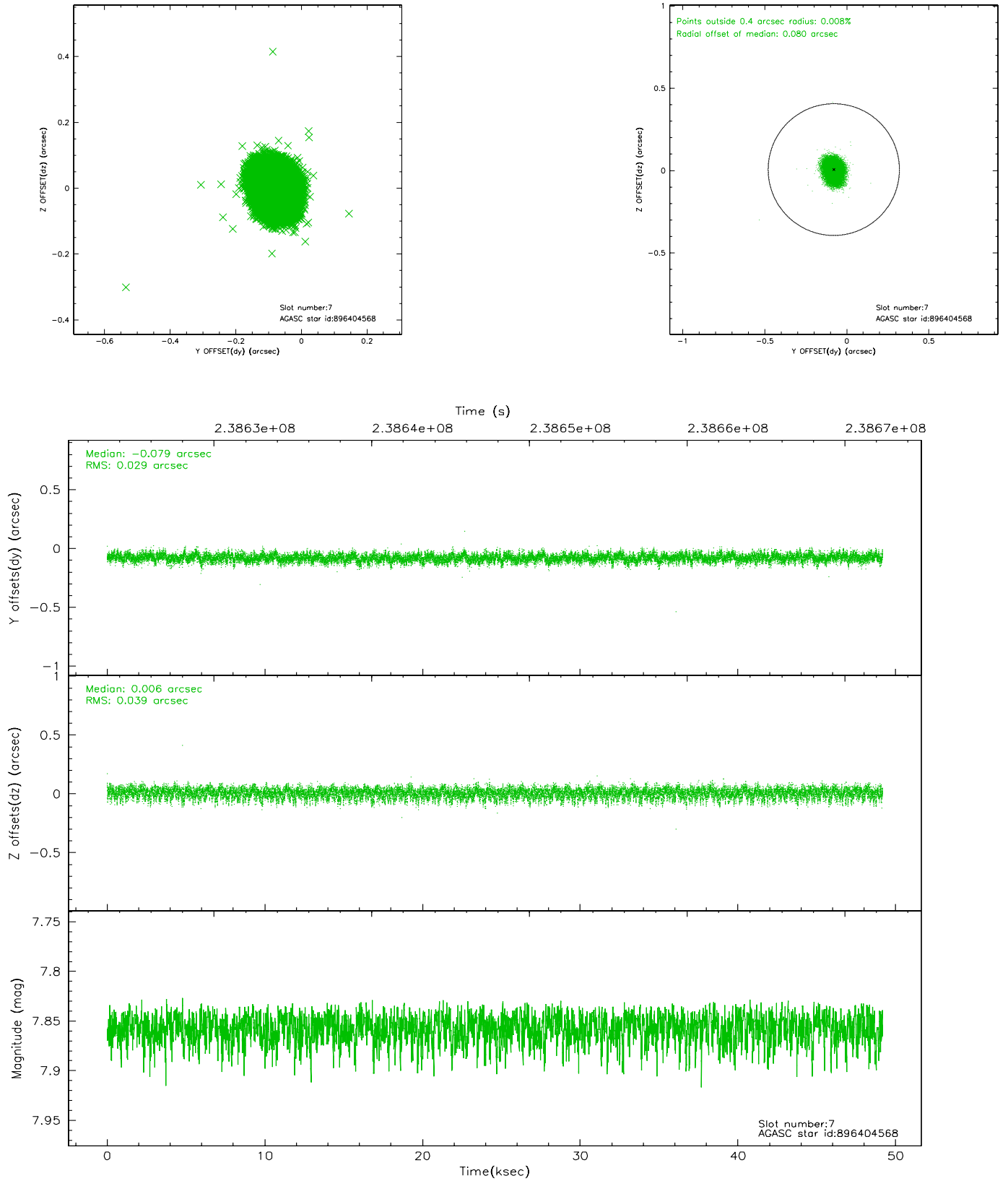


## 2.4.4 Slot 6



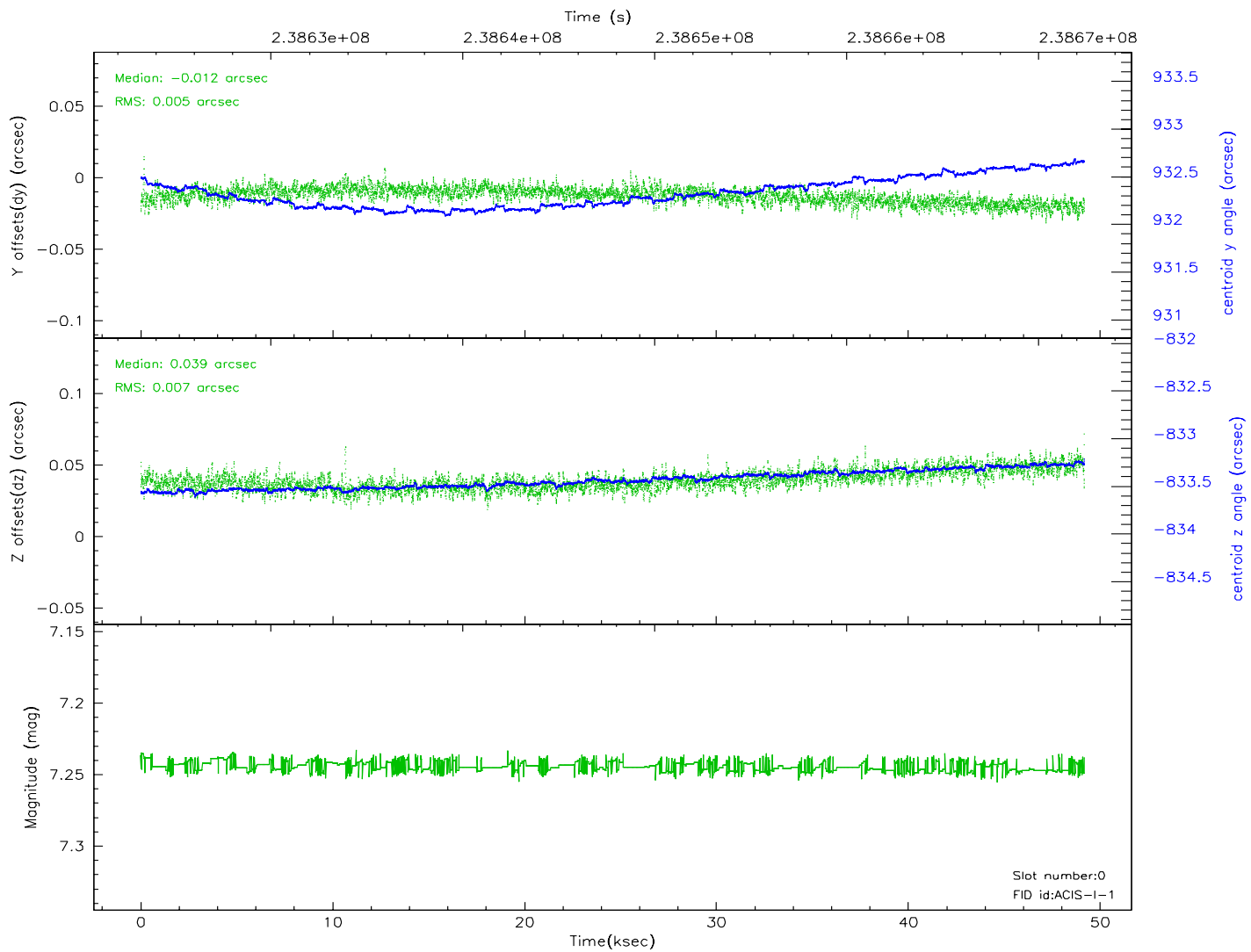
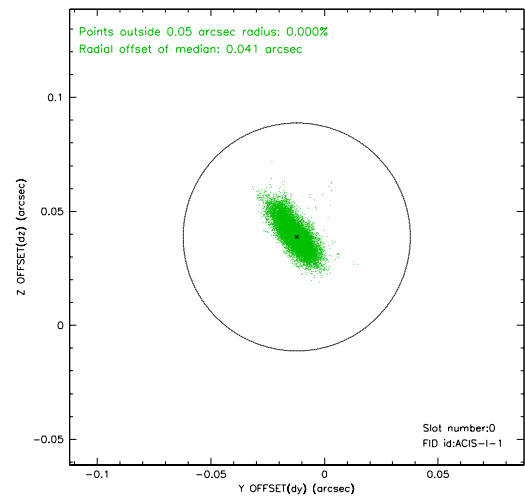
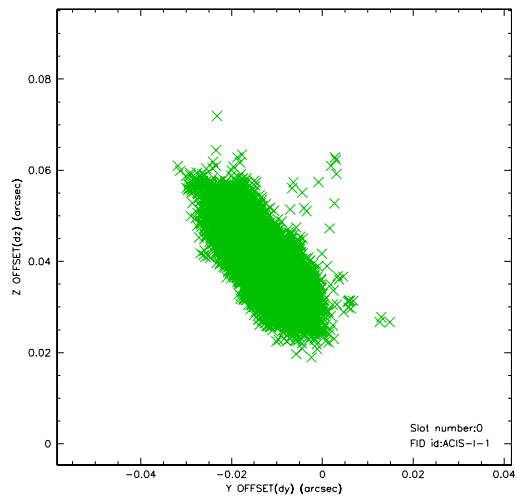


## 2.4.5 Slot 7

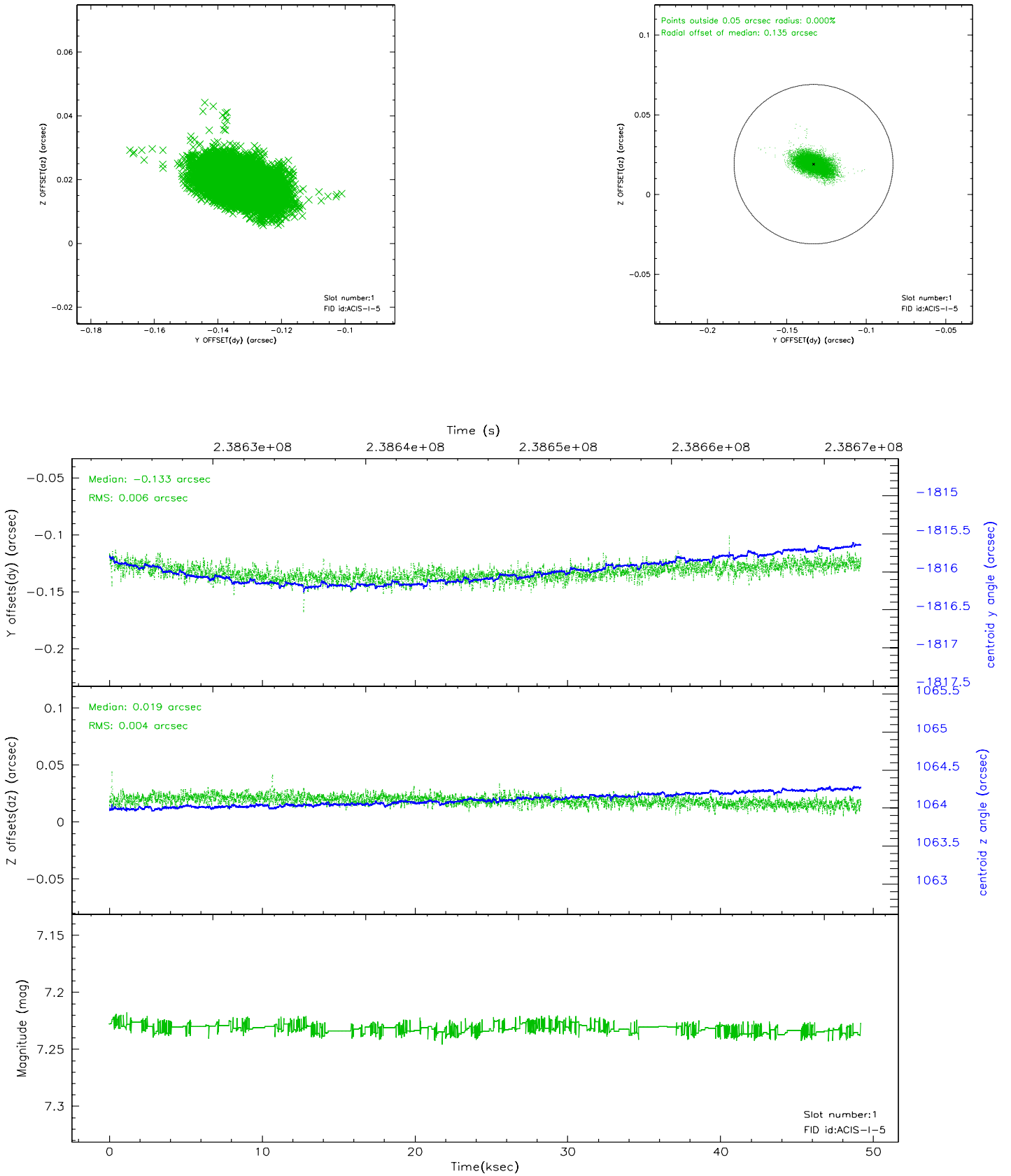


## 2.5 FID Slots

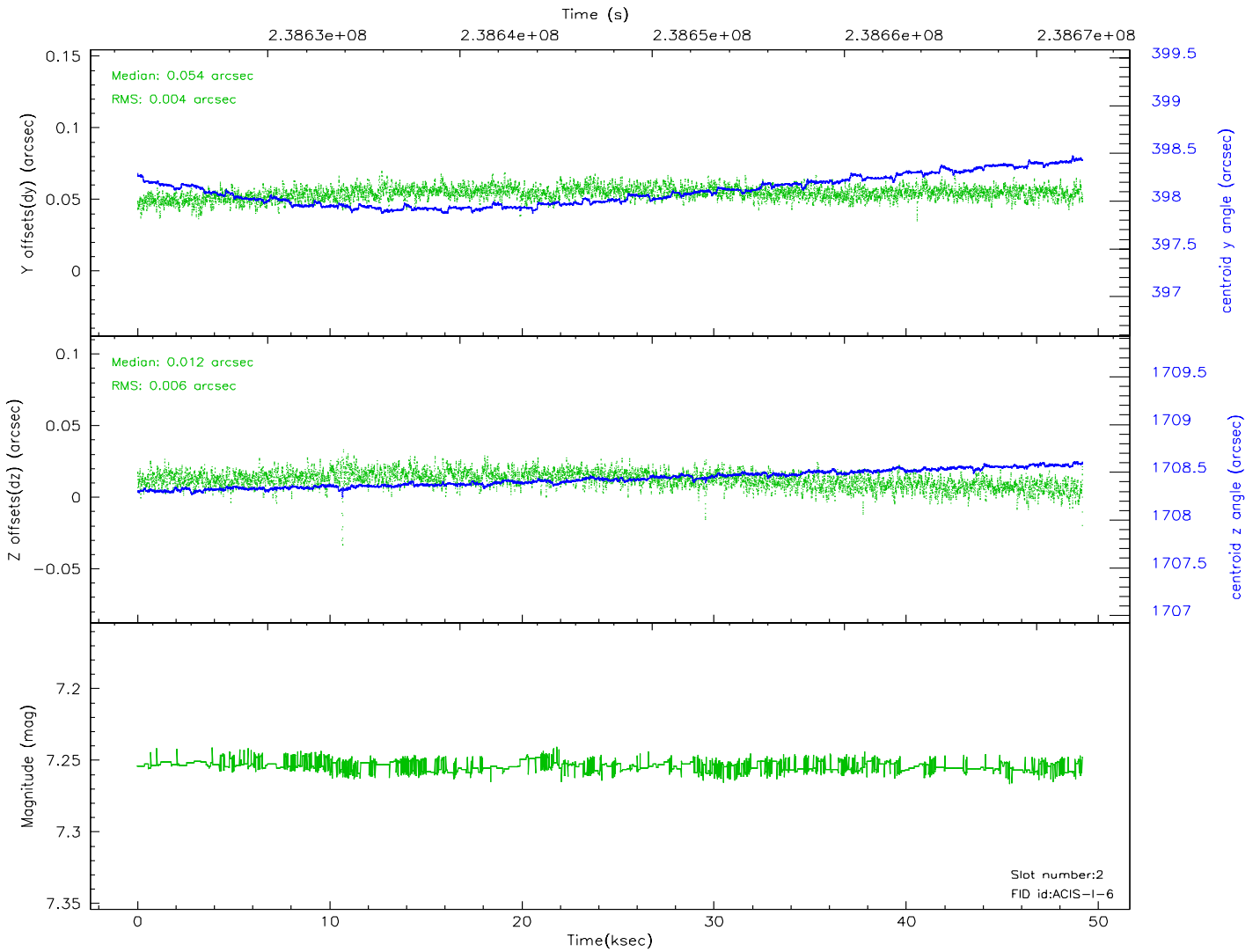
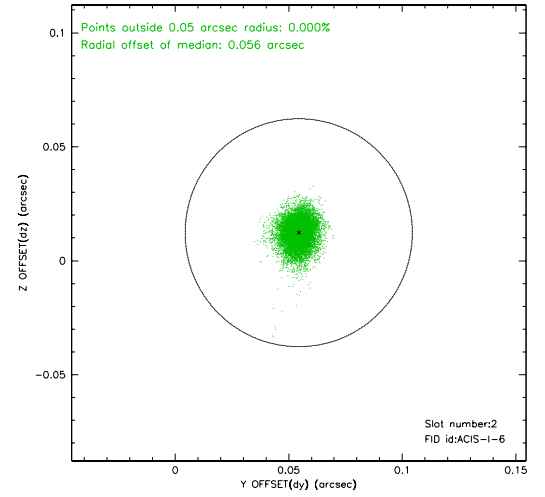
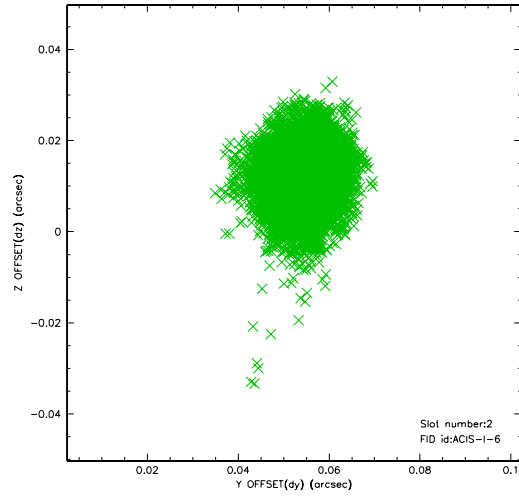
### 2.5.1 Slot 0



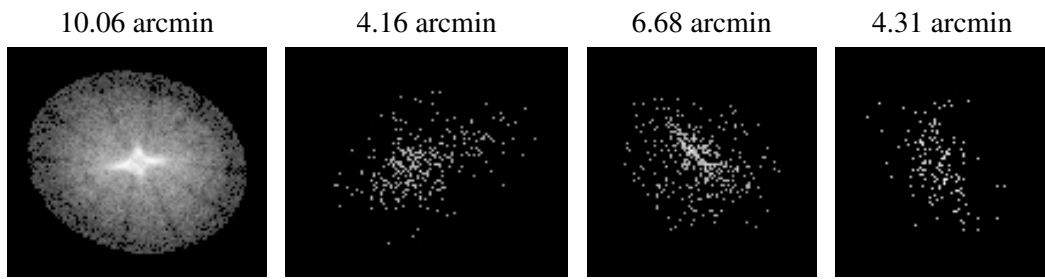
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.38614

## A.2 Comments

Window constraint met except for last 2400 seconds of the observation.