

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5188 - L2 Version 001  
Chandra X-Ray Center

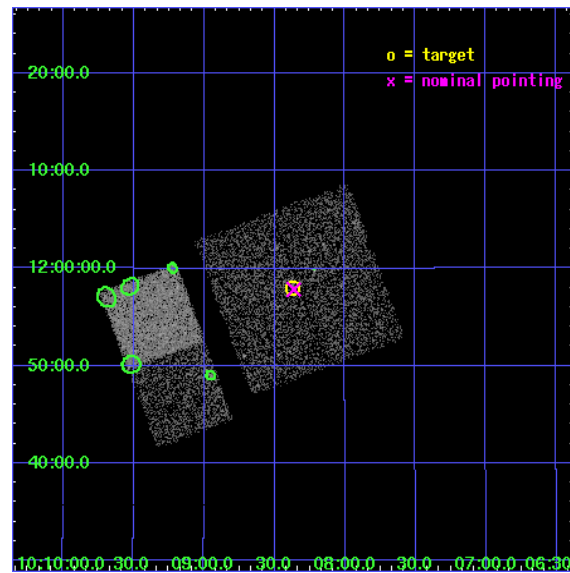
L2 Processing Date : May 20 2006

## 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

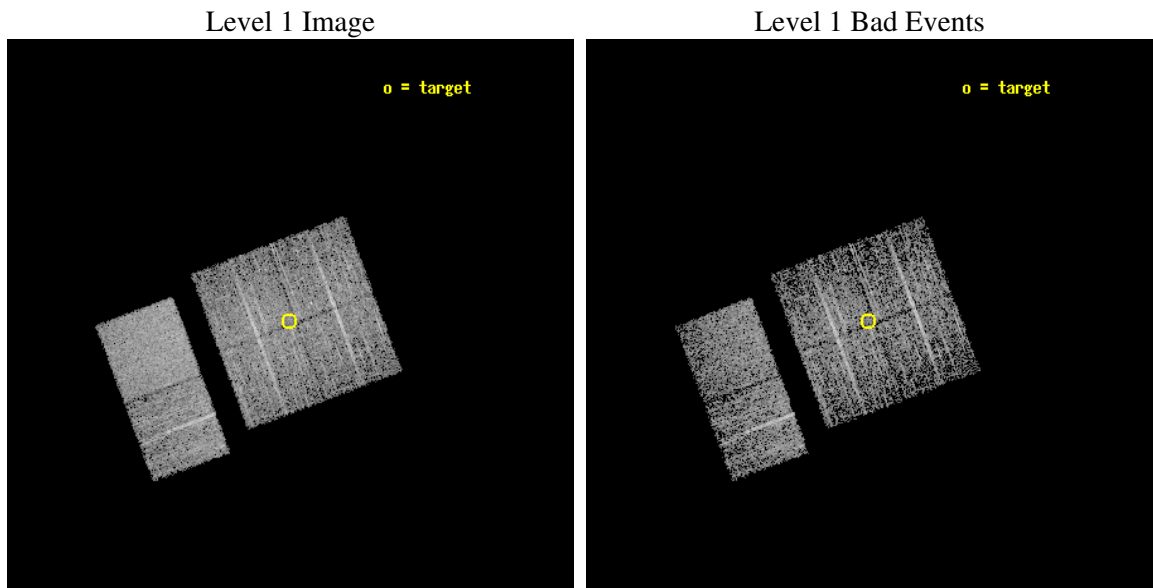
seq_num	200296
obs_id	5188
title	Search for beta Pic analogs
observer	Professor Gordon Garmire
object	Regulus
dtcycle	0
cycle	P
ra_targ	152.09375
dec_targ	11.967222
ra_nom	152.09052250306
dec_nom	11.963989845503
roll_nom	249.5349577392
revision	2
ontime	3139.1999883056
livetime	3099.4495478543
ontime0	3139.1999883056
ontime1	3139.1999883056
ontime2	3139.1999883056
ontime3	3139.1999883056
ontime6	3139.1999883056
ontime7	3139.1999883056
l2events	23172



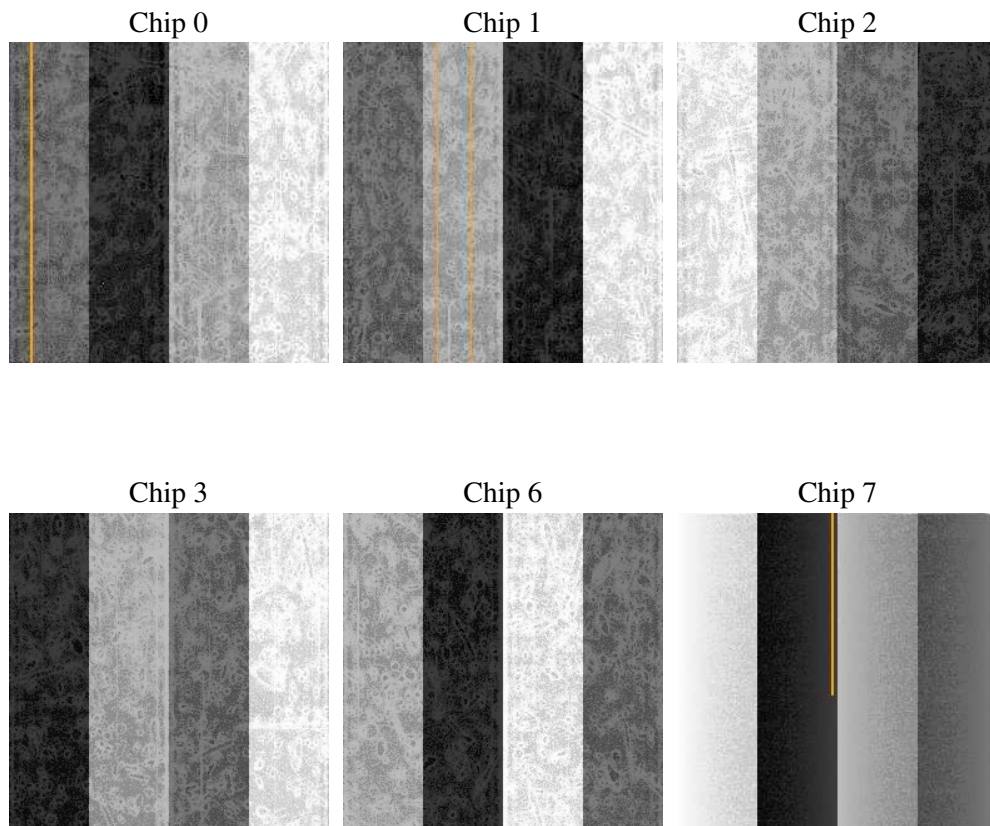
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-20T14:38:21
revision	2

sched_exp_time	3050.000000
ontime	3143.7720988095
ontime0	3143.772128731
ontime1	3143.772128731
ontime2	3143.7720988095
ontime3	3143.7720988095
ontime6	3143.772128731
ontime7	3143.772128731
l1events	138671

### 2.1.4 Events

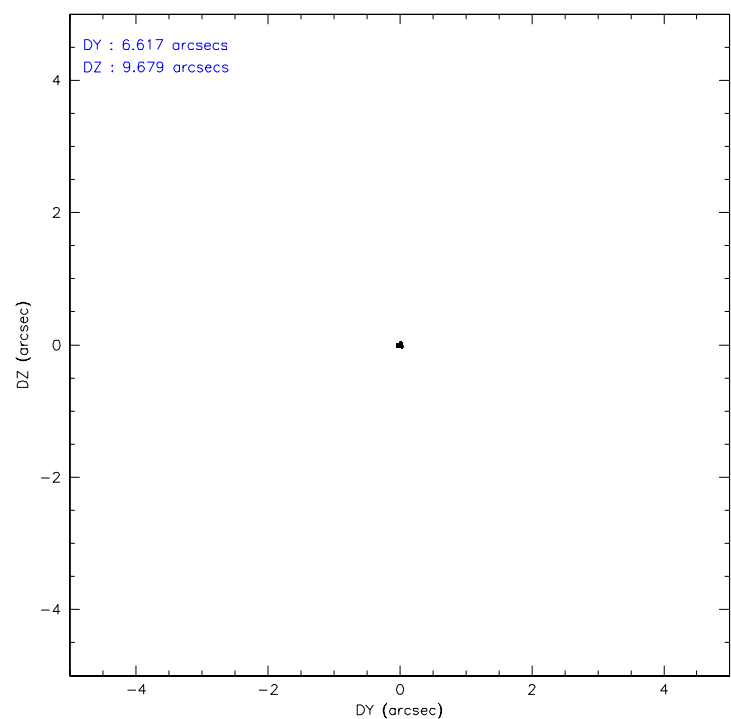
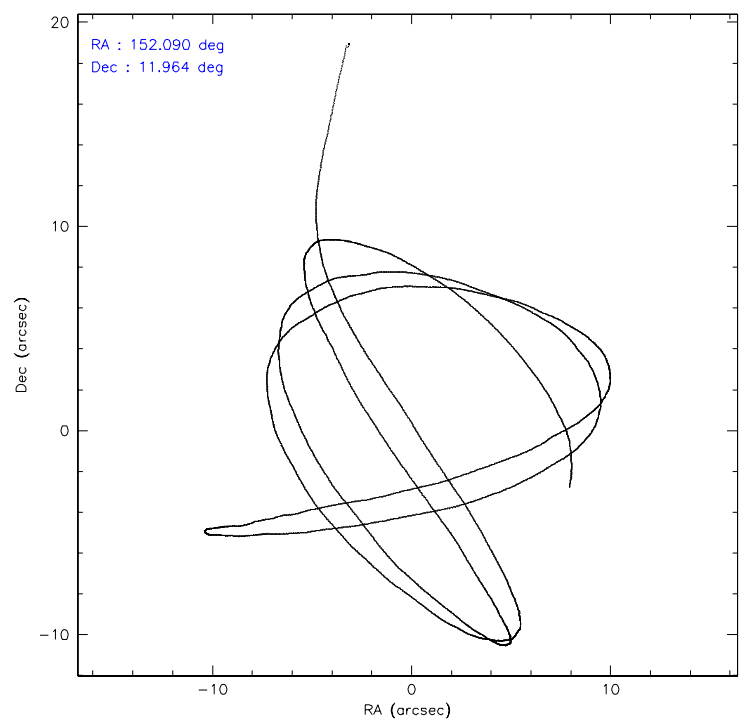
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19940	20923	22023	21193	23901	30691
rejected events	17256	17948	19250	18546	21102	19269
rejected %	86%	85%	87%	87%	88%	62%

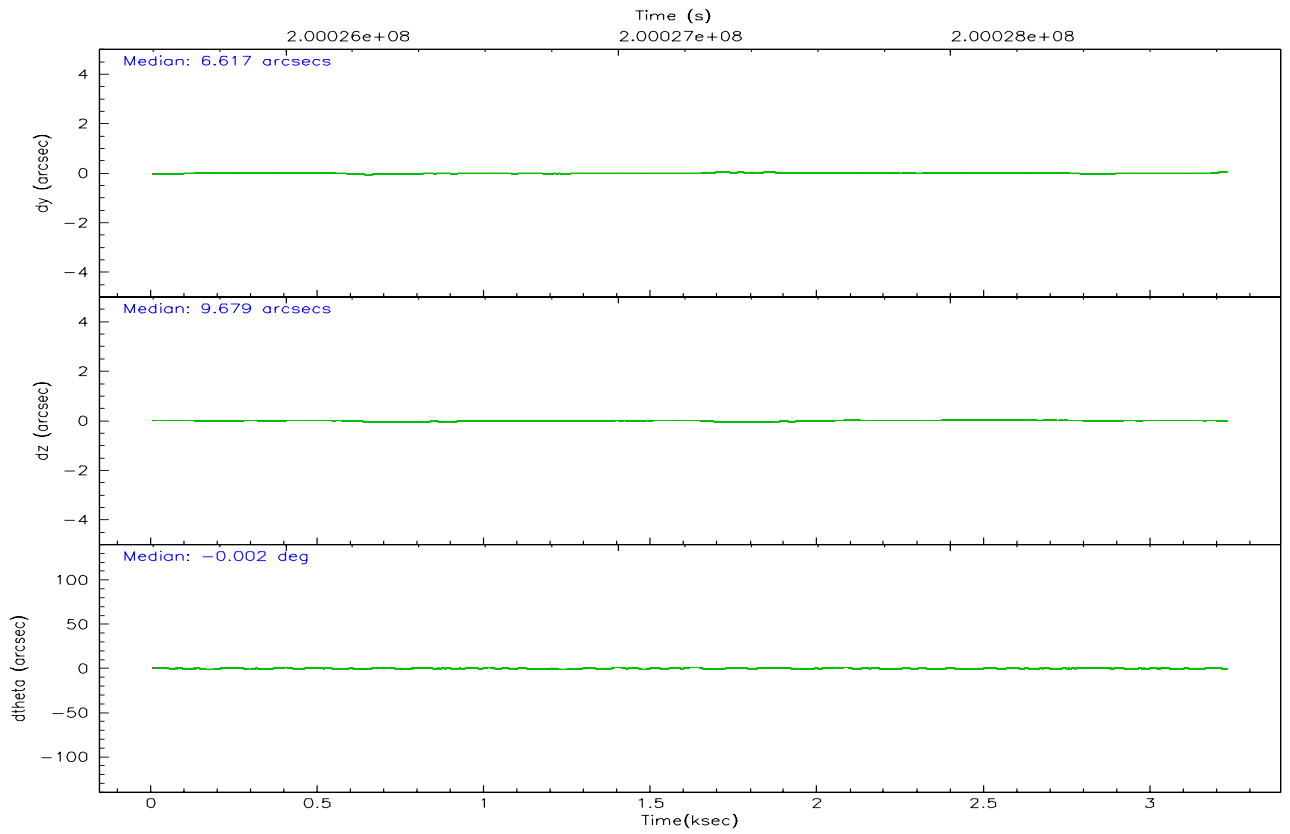
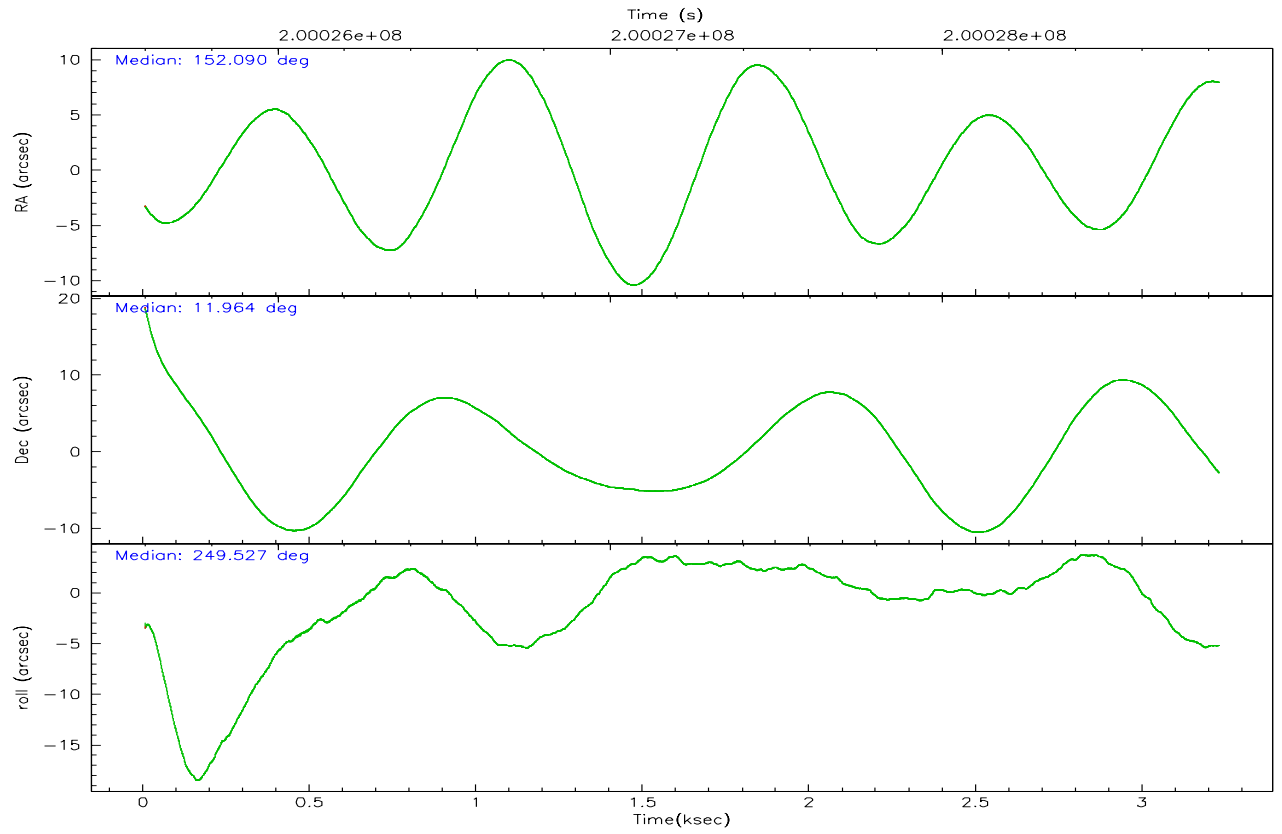
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1187	1291	1286	1188	1142	616
	5%	6%	5%	5%	4%	2%
grade 1 events	9	12	12	13	8	23
	0%	0%	0%	0%	0%	0%
grade 2 events	536	598	542	517	590	2867
	2%	2%	2%	2%	2%	9%
grade 3 events	250	285	255	219	270	565
	1%	1%	1%	1%	1%	1%
grade 4 events	266	267	264	253	247	584
	1%	1%	1%	1%	1%	1%
grade 5 events	882	948	867	956	1040	1965
	4%	4%	3%	4%	4%	6%
grade 6 events	448	539	426	472	553	6805
	2%	2%	1%	2%	2%	22%
grade 7 events	16362	16983	18371	17575	20051	17266
	82%	81%	83%	82%	83%	56%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	152.085746	152.0905225030552	Alternating exposures requested	N	N
Pointing Dec	11.990846	11.96398984550254	Primary exposure time	0.000000	3.2
Pointing Roll	249.327203	249.534957739202			
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	200025782.184000	200024757.55531			
Observation start date	2004-05-04T02:41:58	2004-05-04T02:25:57			
Observation end time	200028832.184000	200029610.93053			
Observation end date	2004-05-04T03:32:48	2004-05-04T03:46:50			
Read mode	TIMED	TIMED			

## 2.3 Aspect





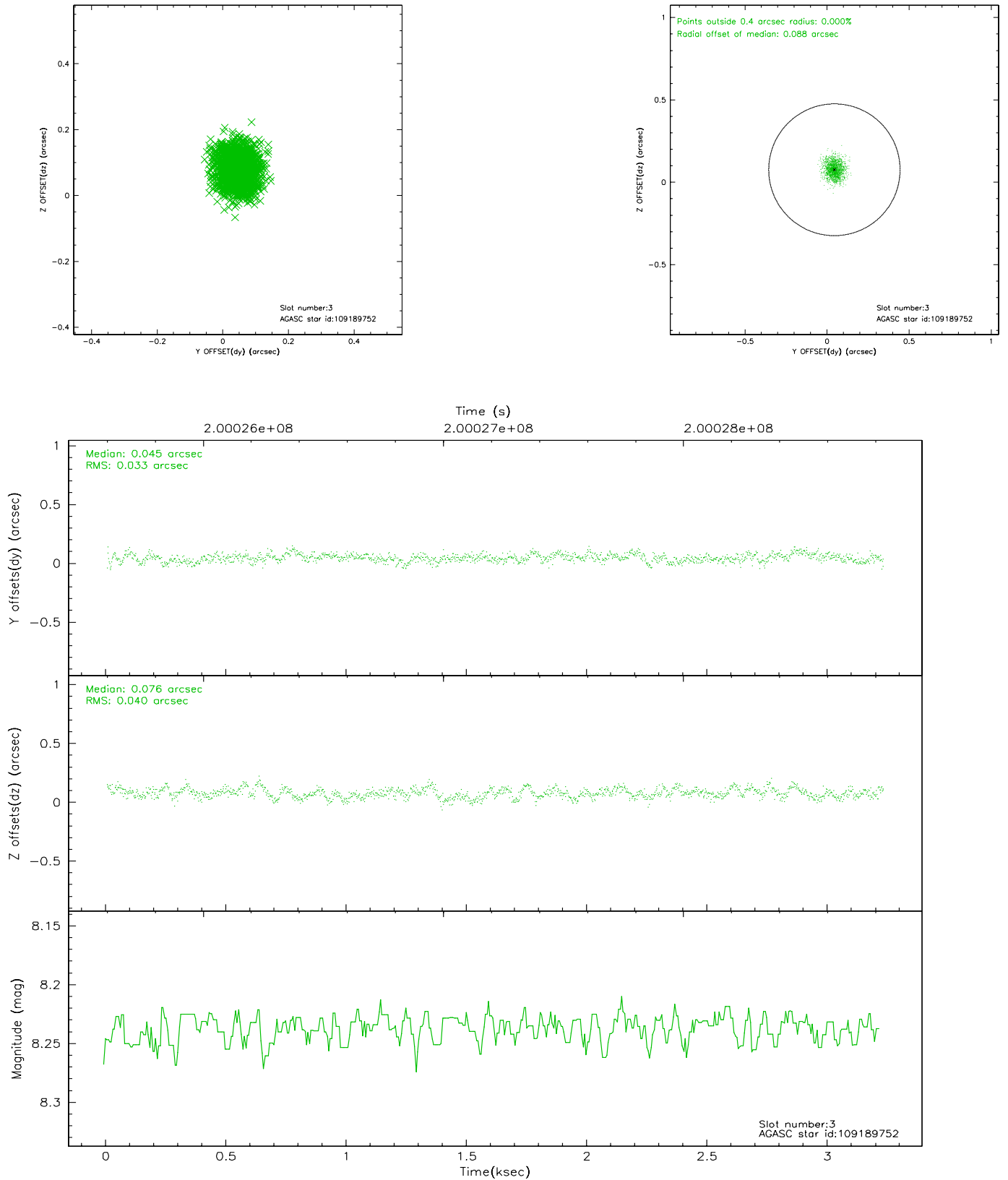
### Slot Statistics

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	788	-0.026	0.068	0.006	0.010	0.000000	0.000000	933.05	-833.07
1	FID	ACIS-I-5	7.23	787	-0.112	0.016	0.006	0.010	0.000000	0.000000	-1814.05	1063.38
2	FID	ACIS-I-6	7.25	787	0.047	-0.014	0.006	0.010	0.000000	0.000000	396.53	1710.09
3	GUIDE	109189752	8.24	1575	0.045	0.076	0.056	0.090	152.672766	11.824886	-172.86	2145.81
4	GUIDE	109191728	8.89	1575	-0.012	0.082	0.099	0.158	152.614876	11.697237	328.96	2119.43
5	GUIDE	109192064	8.47	1574	0.106	0.082	0.075	0.118	152.614248	11.575676	740.13	2272.26
6	GUIDE	109584104	7.70	1575	-0.297	-0.256	0.068	0.103	151.655187	12.782068	-2131.39	-2419.26
7	GUIDE	109193504	10.02	1574	0.164	0.018	0.132	0.219	151.476653	12.322801	-364.38	-2428.47

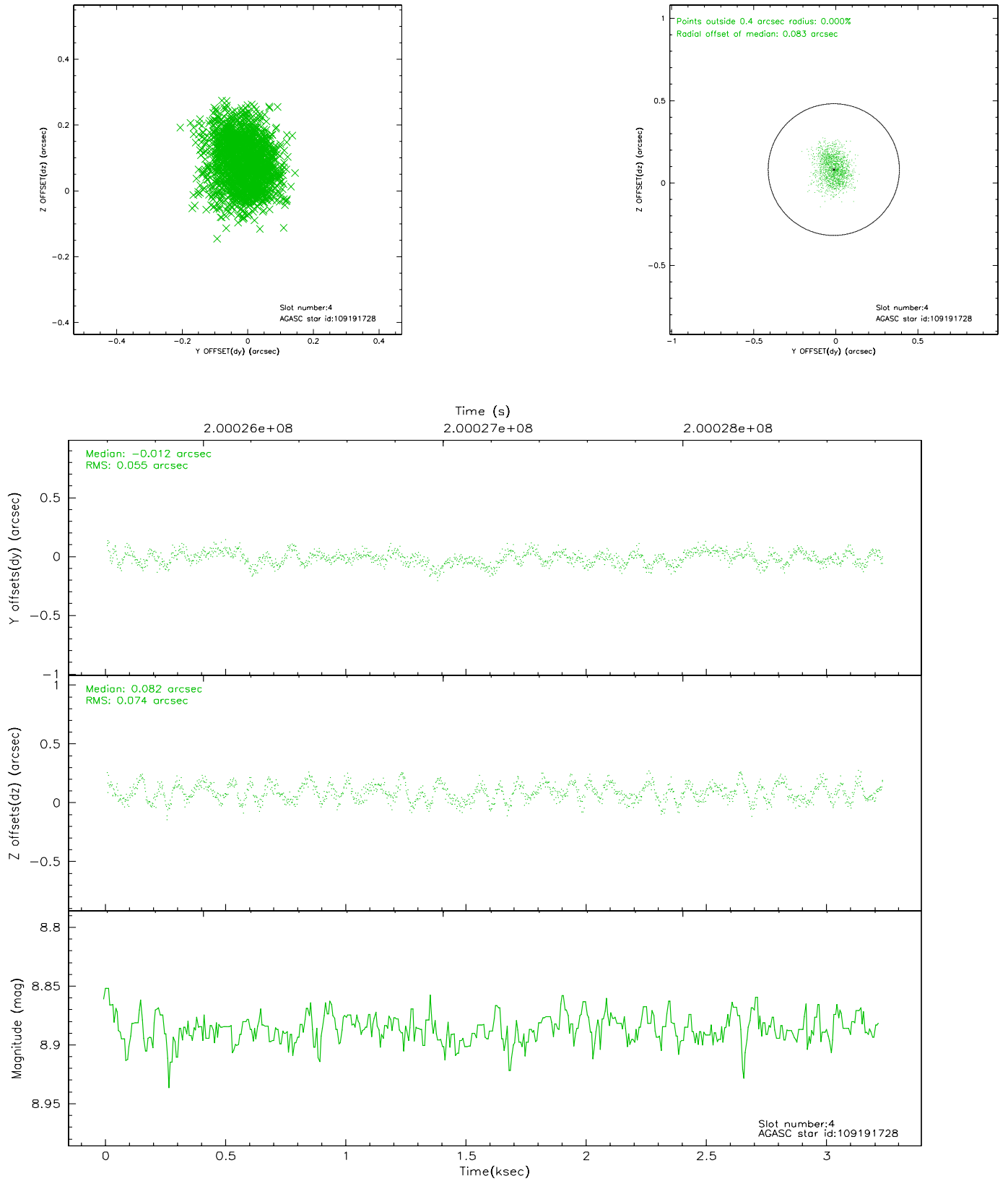


## 2.4 Star Slots

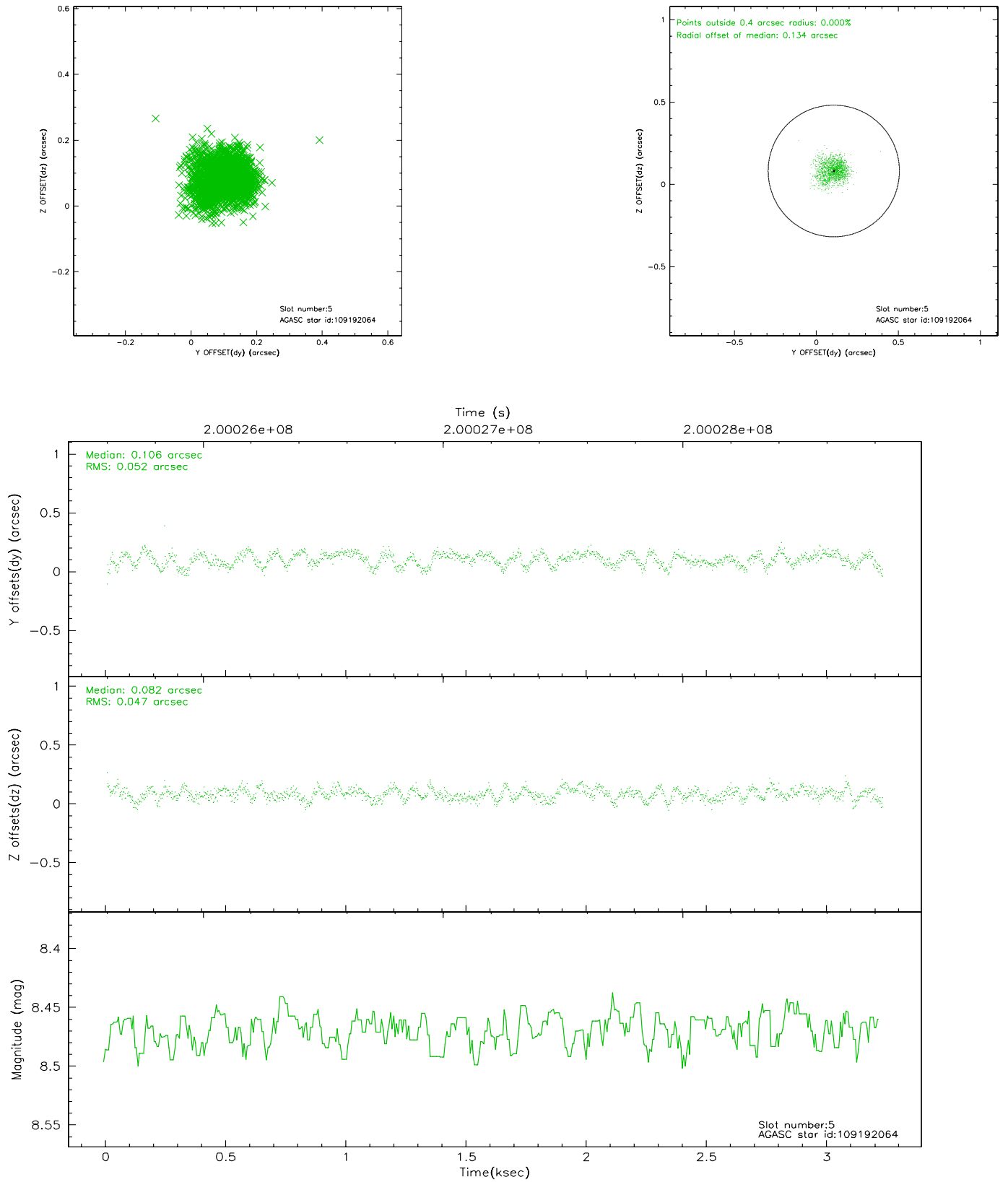
### 2.4.1 Slot 3



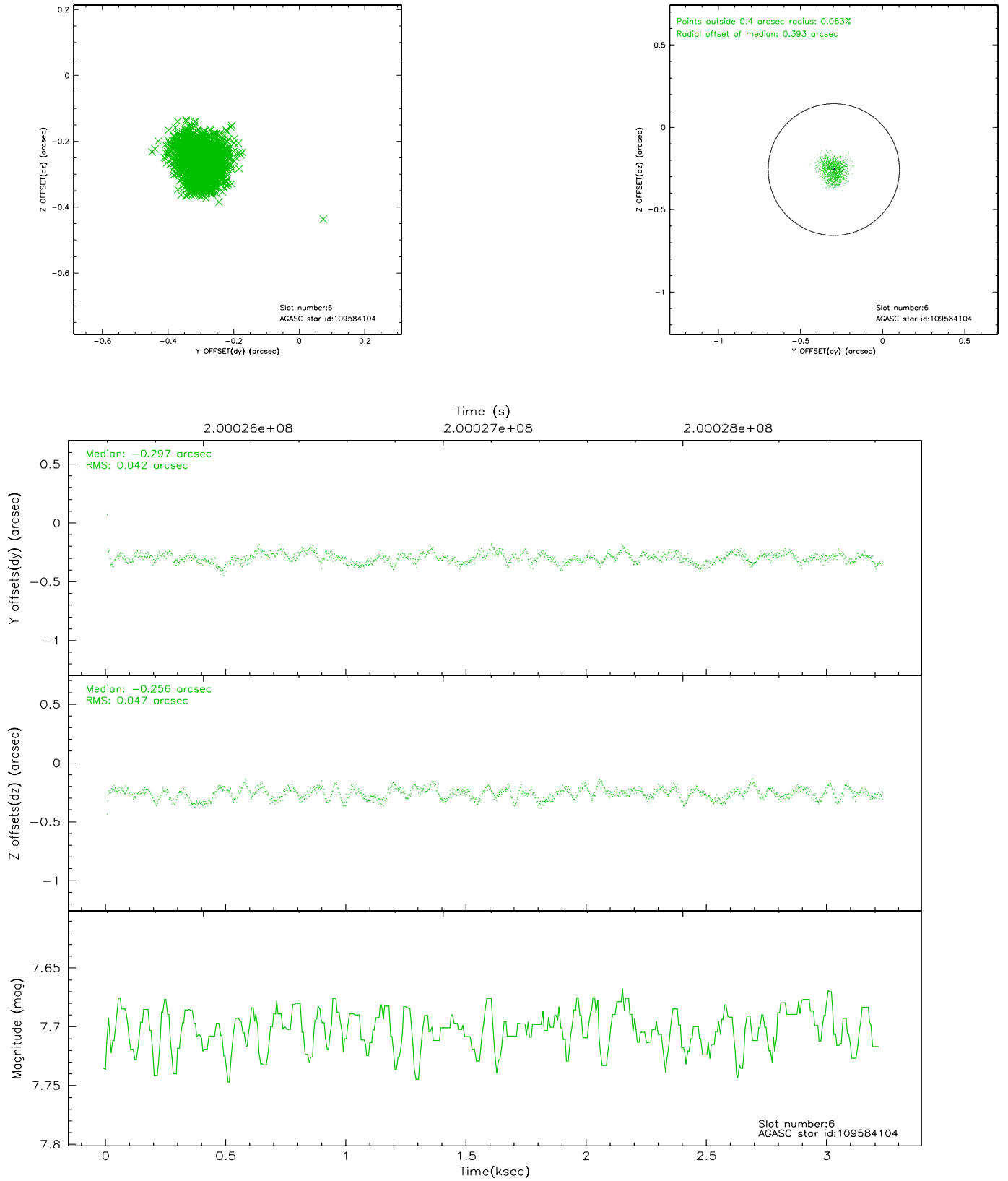
## 2.4.2 Slot 4



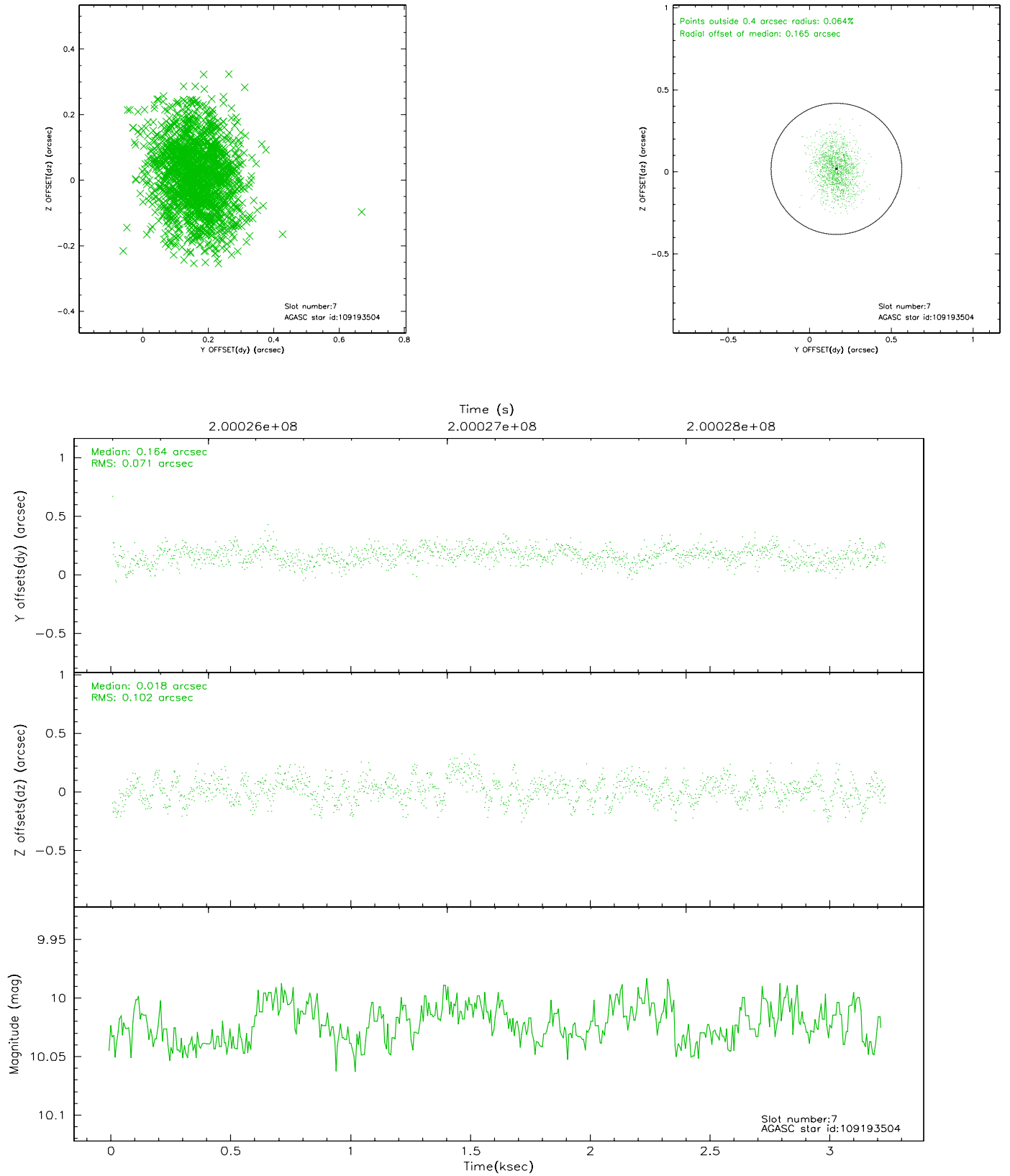
### 2.4.3 Slot 5



## 2.4.4 Slot 6

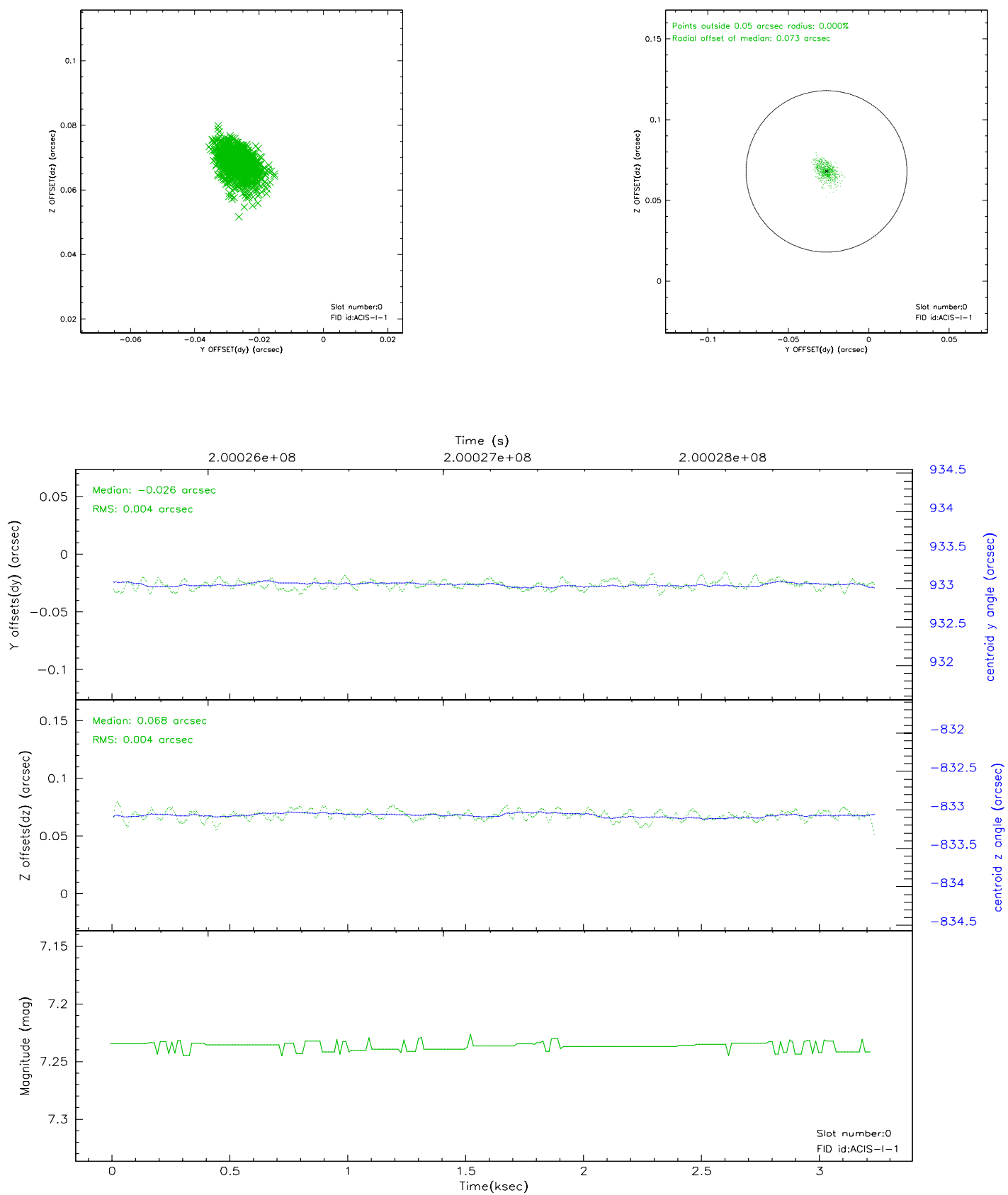


## 2.4.5 Slot 7

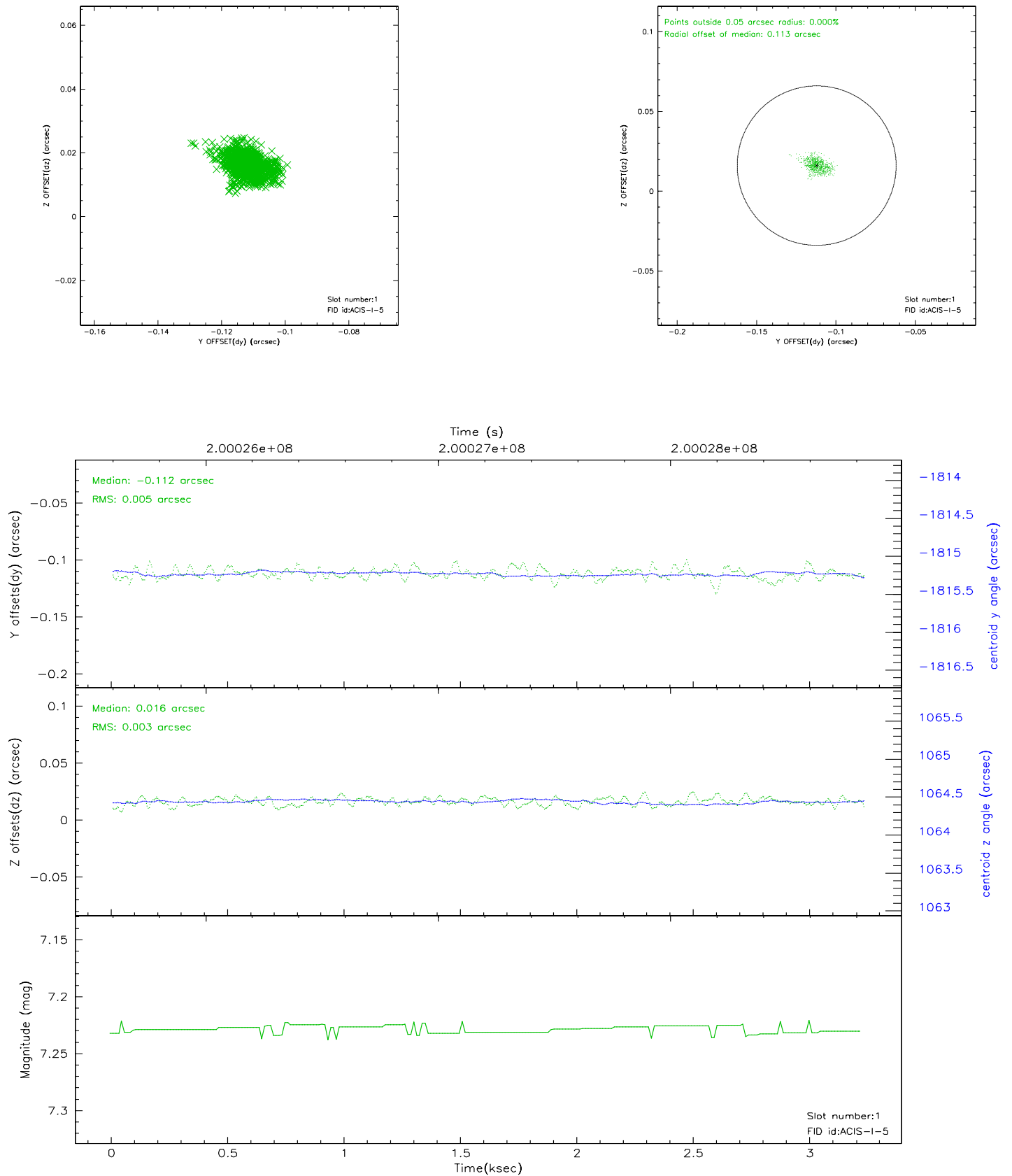


## 2.5 FID Slots

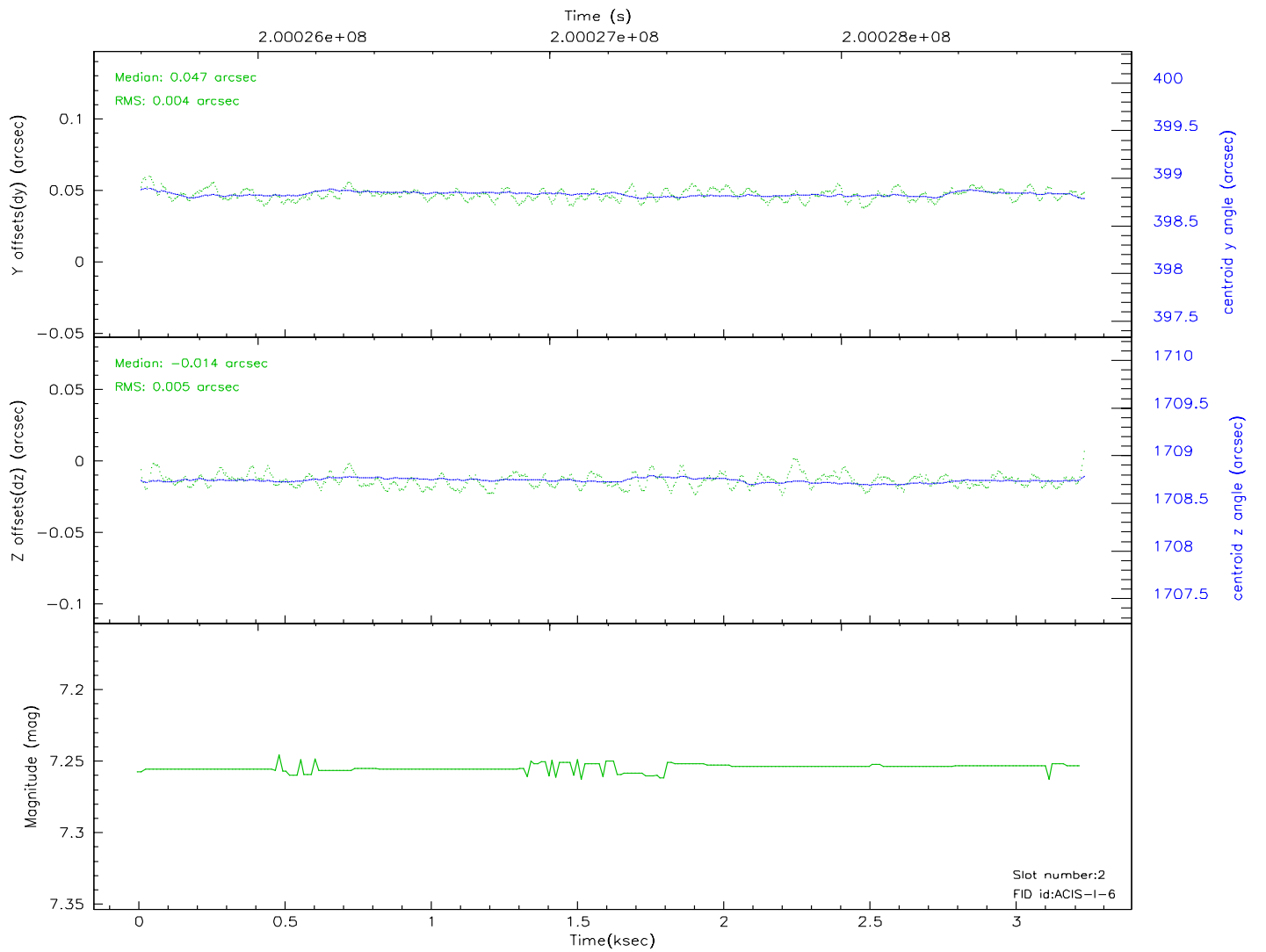
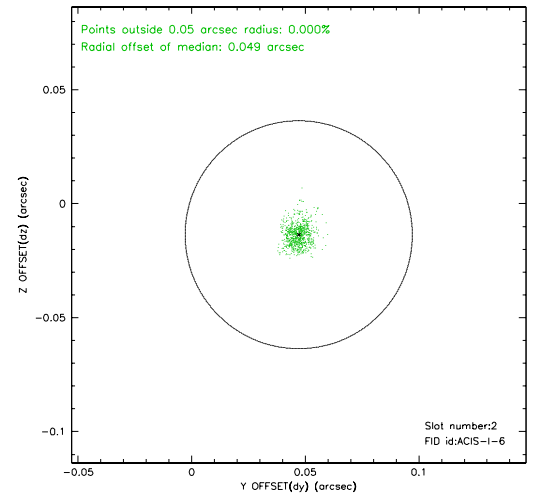
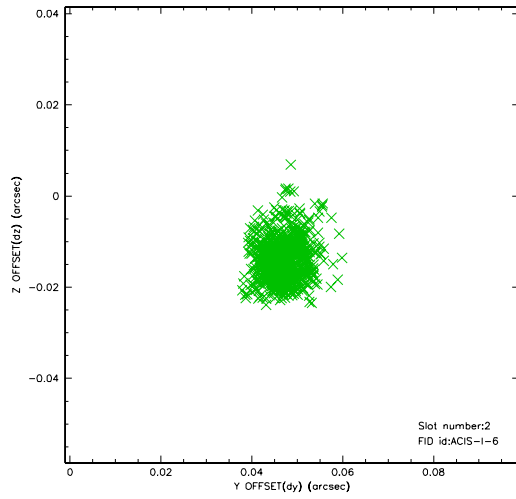
### 2.5.1 Slot 0



## 2.5.2 Slot 1

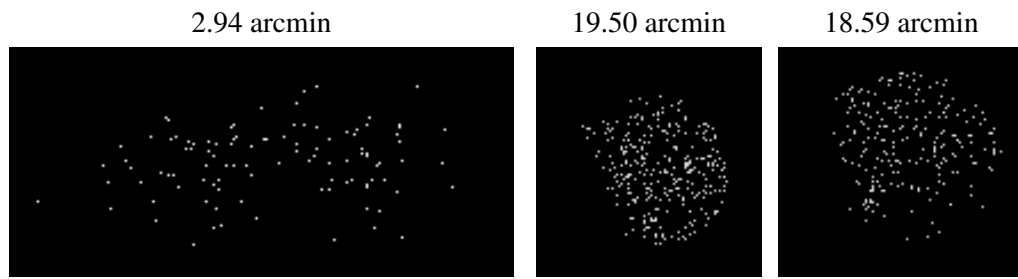


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.139

### A.2 Comments