

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4538 - L2 Version 001  
Chandra X-Ray Center

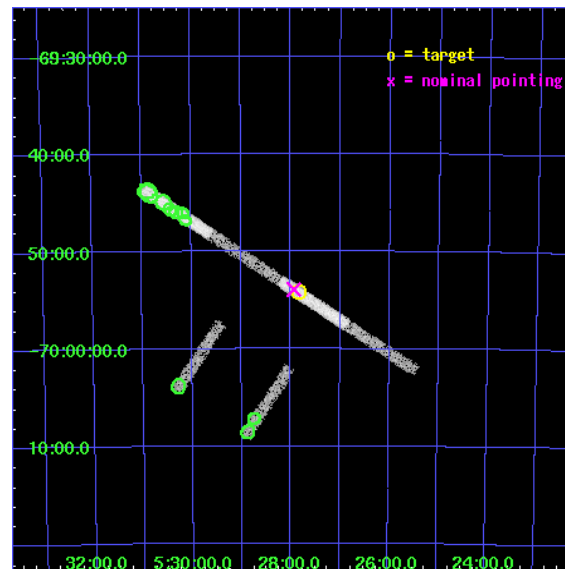
L2 Processing Date : Jun 30 2006

## 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

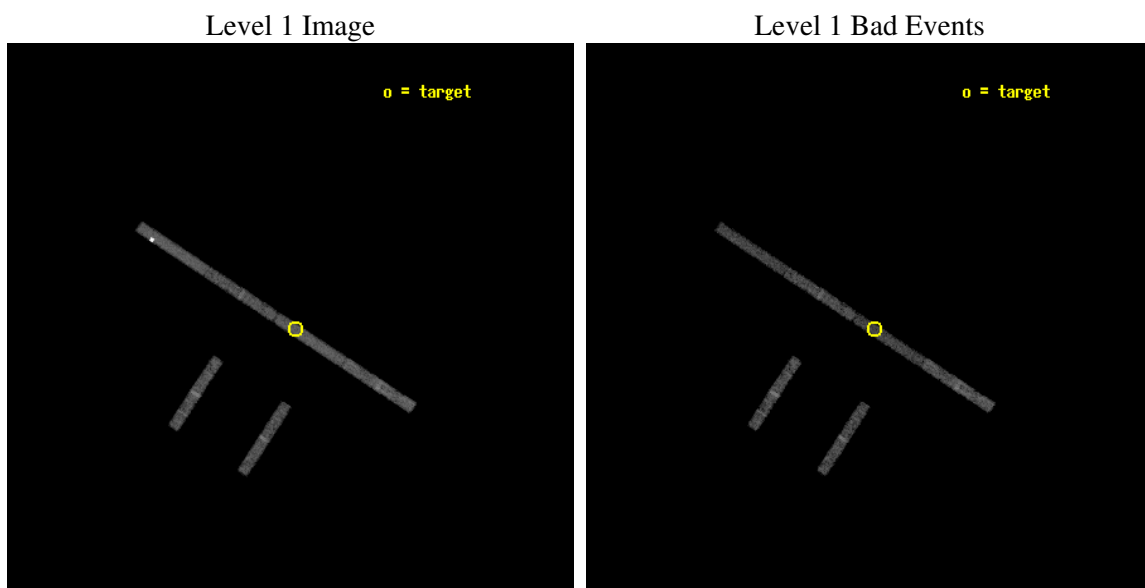
seq_num	300132
obs_id	4538
title	Understanding the nature of supersoft X-ray sources
observer	Dr. Jochen Greiner
object	RXJ 0527.8-6954
dtcycle	0
cycle	P
ra_targ	81.957917
dec_targ	-69.9025
ra_nom	81.983898779228
dec_nom	-69.898717874393
roll_nom	33.195940031372
revision	2
ontime	10417.399822593
livetime	9840.4672835675
ontime2	10417.399822593
ontime3	10417.399822593
ontime5	10417.399822593
ontime6	10417.399822593
ontime7	10417.399822593
ontime8	10417.399822593
l2events	17007



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-30T13:12:03
revision	2

sched_exp_time	10000.000000
ontime	10513.747905761
ontime2	10513.747905761
ontime3	10513.747905761
ontime5	10513.747905761
ontime6	10513.747905761
ontime7	10513.747905761
ontime8	10514.488925874
l1events	86983

### 2.1.4 Events

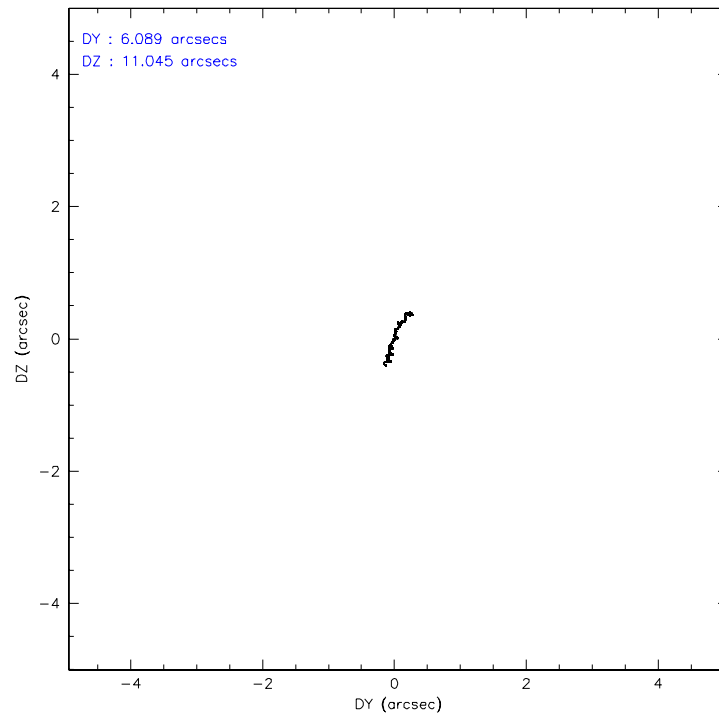
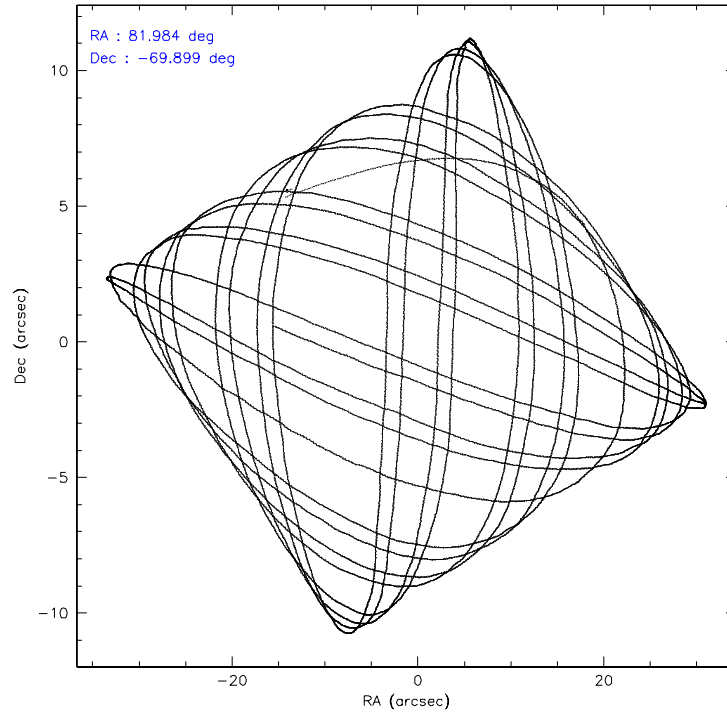
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11533	10013	27297	10537	12933	14670
rejected events	10015	8676	7149	9087	6861	12092
rejected %	86%	86%	26%	86%	53%	82%

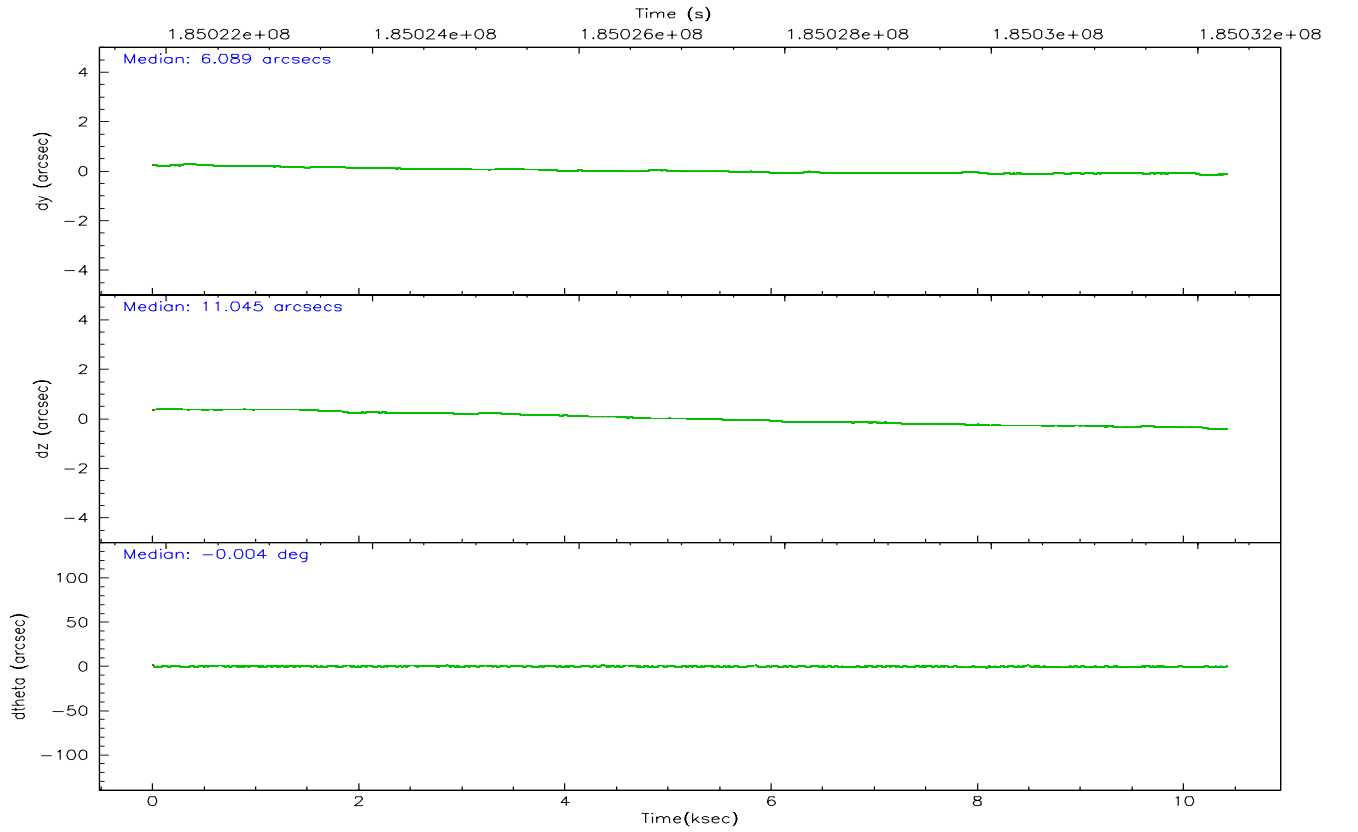
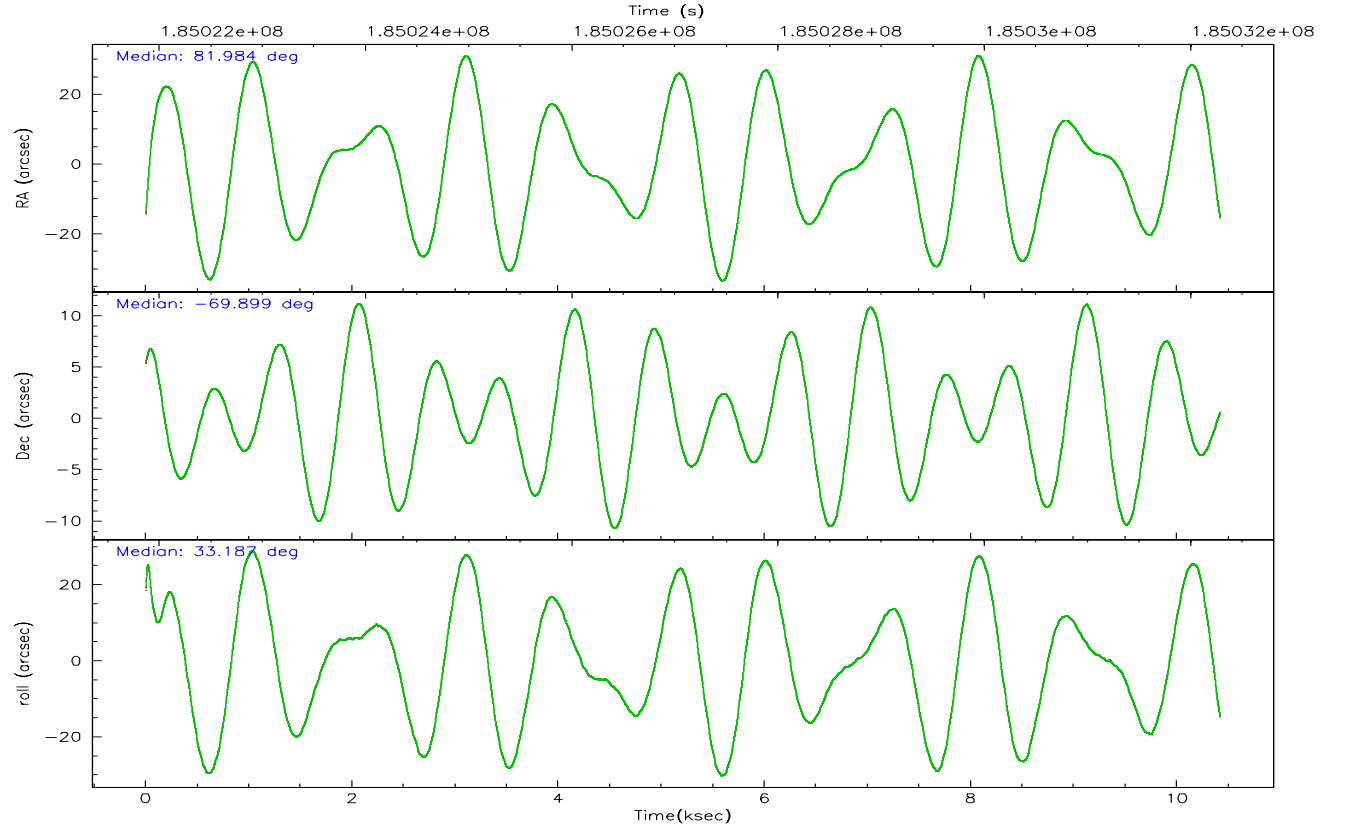
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	657	612	13039	621	591	913
	5%	6%	47%	5%	4%	6%
grade 1 events	3	8	23	2	10	5
	0%	0%	0%	0%	0%	0%
grade 2 events	249	198	3000	240	1403	433
	2%	1%	10%	2%	10%	2%
grade 3 events	215	177	286	183	498	299
	1%	1%	1%	1%	3%	2%
grade 4 events	194	161	577	165	488	263
	1%	1%	2%	1%	3%	1%
grade 5 events	346	337	659	407	774	435
	3%	3%	2%	3%	5%	2%
grade 6 events	211	196	3428	252	3143	690
	1%	1%	12%	2%	24%	4%
grade 7 events	9658	8324	6285	8667	6026	11632
	83%	83%	23%	82%	46%	79%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	81.948990	81.98389877922848	Subarray start row	0	449
Pointing Dec	-69.923191	-69.89871787439324	Subarray row count	1024	128
Pointing Roll	33.006480	33.19594003137163	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.7
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	185022296.184000	185021217.92466			
Observation start date	2003-11-12T11:03:52	2003-11-12T10:46:57			
Observation end time	185032296.184000	185032489.33765			
Observation end date	2003-11-12T13:50:32	2003-11-12T13:54:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect





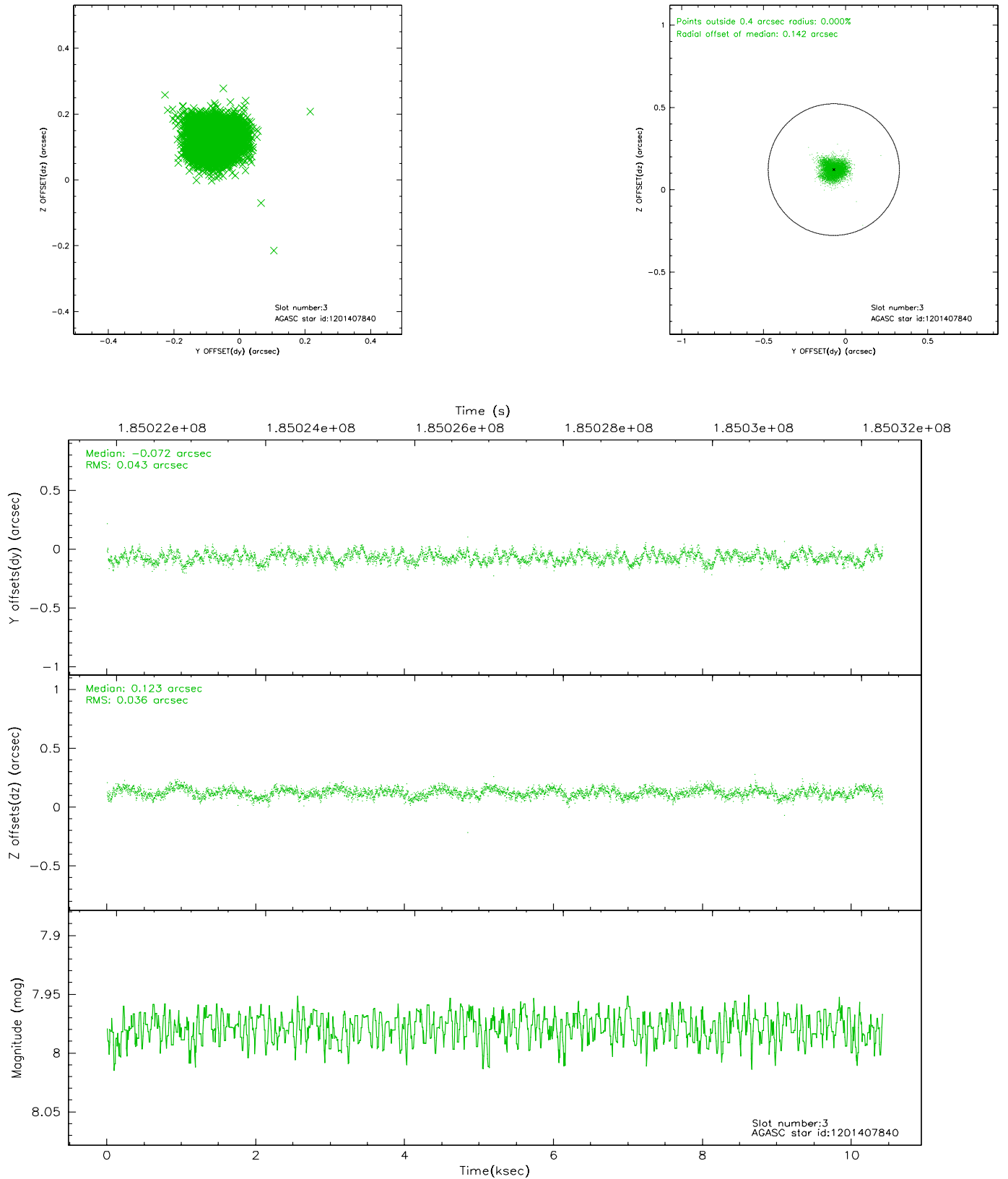
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2541	-0.031	-0.013	0.012	0.018	0.000000	0.000000	-758.87	-1732.34
1	FID	ACIS-S-4	7.20	2542	0.016	0.019	0.009	0.013	0.000000	0.000000	2154.23	175.65
2	FID	ACIS-S-6	7.34	2542	-0.012	0.001	0.009	0.014	0.000000	0.000000	403.78	813.60
3	GUIDE	1201407840	7.98	5083	-0.072	0.123	0.060	0.094	83.696303	-70.172201	1284.44	-1939.07
4	GUIDE	1201409160	7.84	5078	-0.041	0.062	0.092	0.132	81.660661	-70.063595	-572.14	-231.84
5	GUIDE	1201409312	9.25	5082	-0.020	-0.065	0.087	0.141	80.915231	-69.503059	-275.15	1969.08
6	GUIDE	1201410888	8.00	5083	-0.051	-0.031	0.050	0.082	81.046858	-70.018210	-1121.45	311.17
7	GUIDE	1201410616	9.34	5063	0.183	-0.087	0.090	0.143	82.516808	-69.784406	862.85	31.78

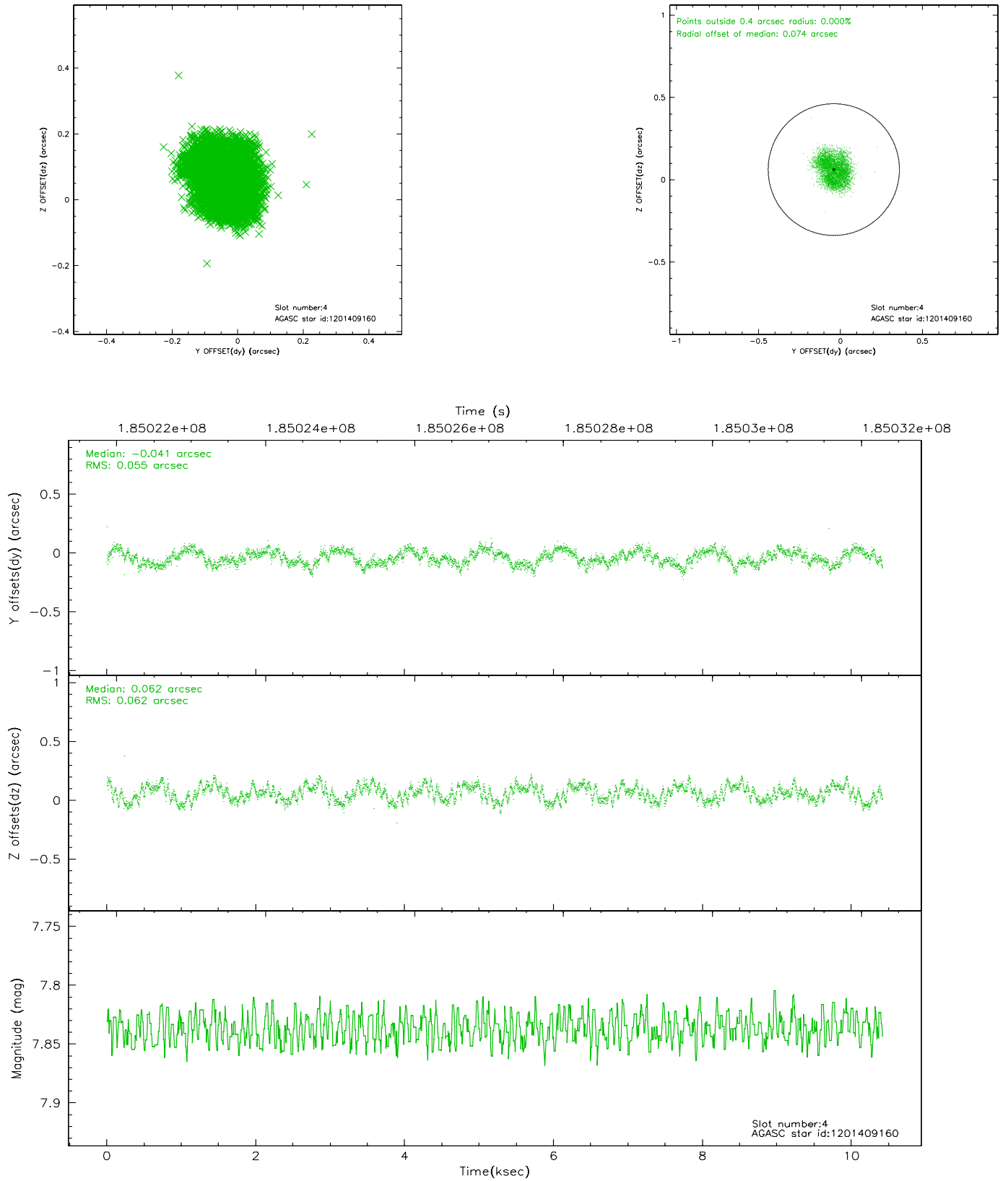


## 2.4 Star Slots

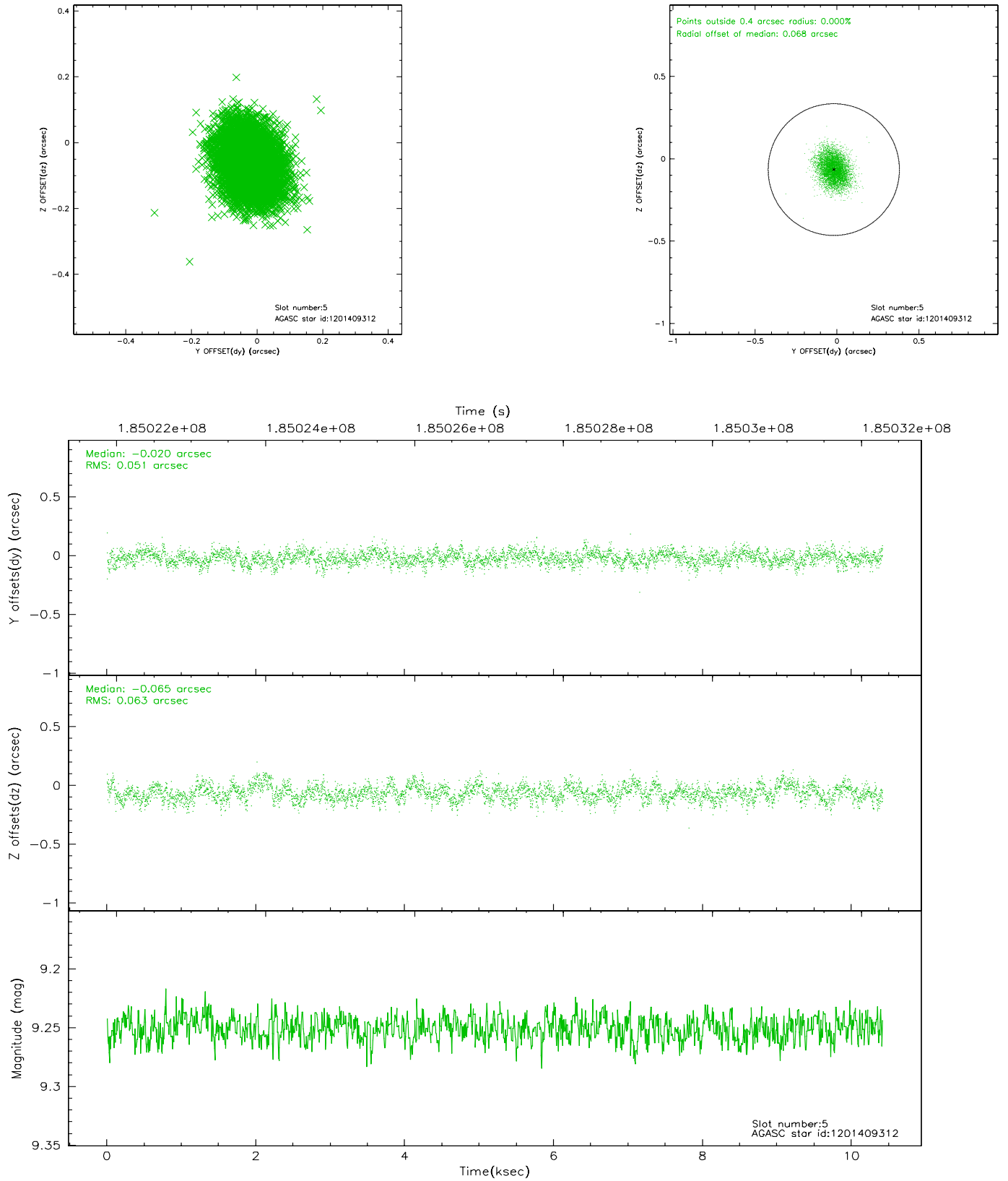
### 2.4.1 Slot 3



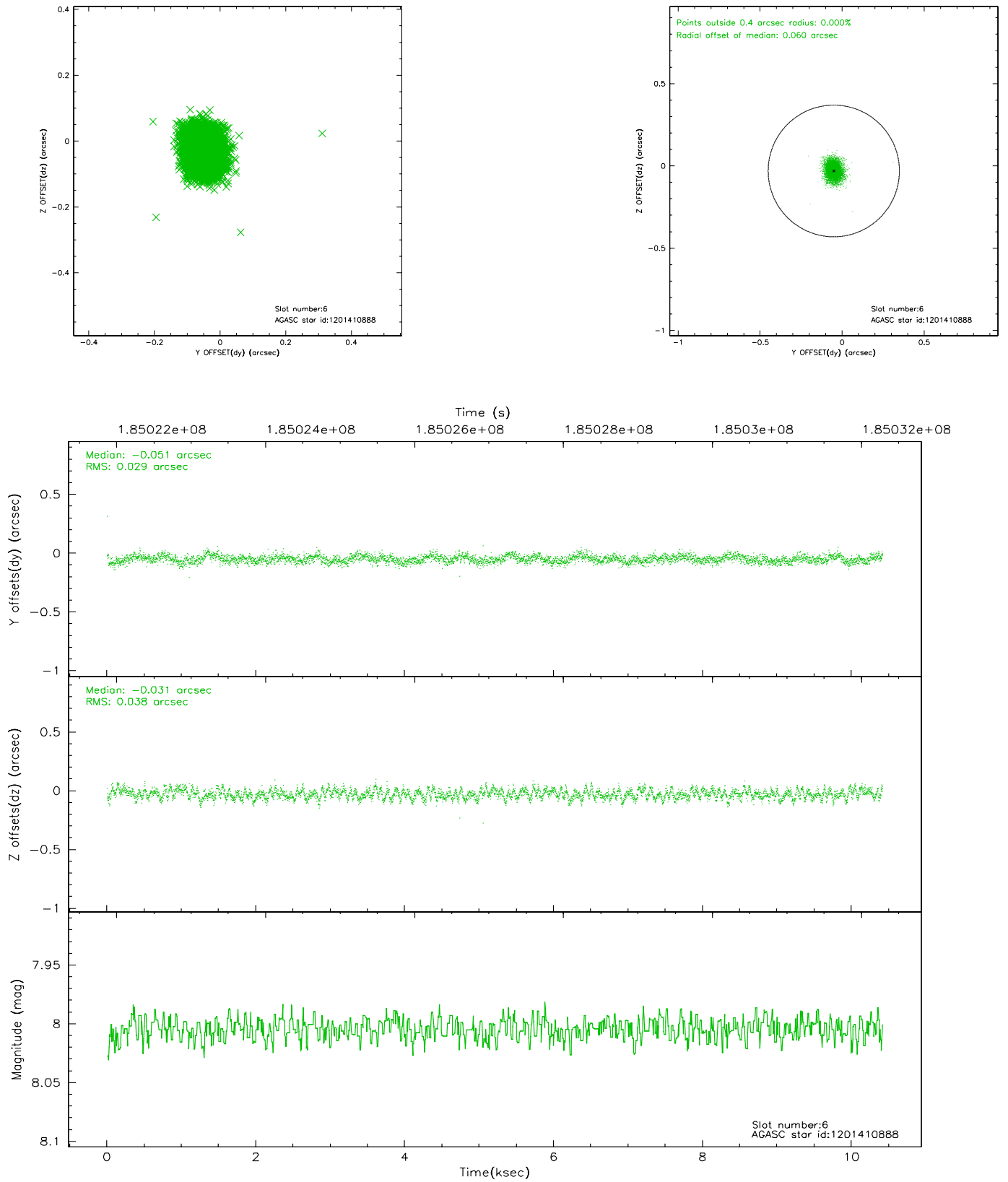
## 2.4.2 Slot 4



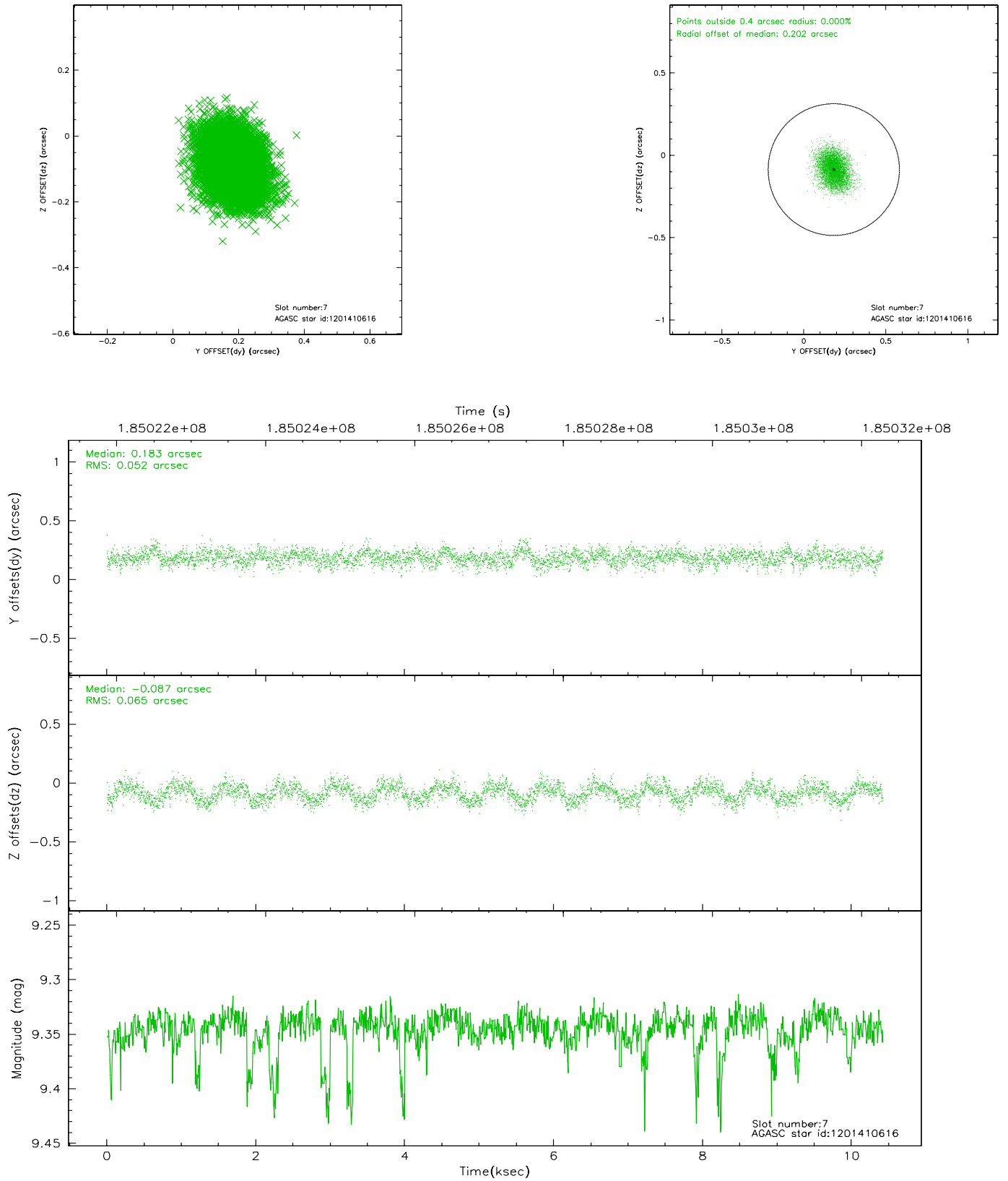
### 2.4.3 Slot 5



## 2.4.4 Slot 6

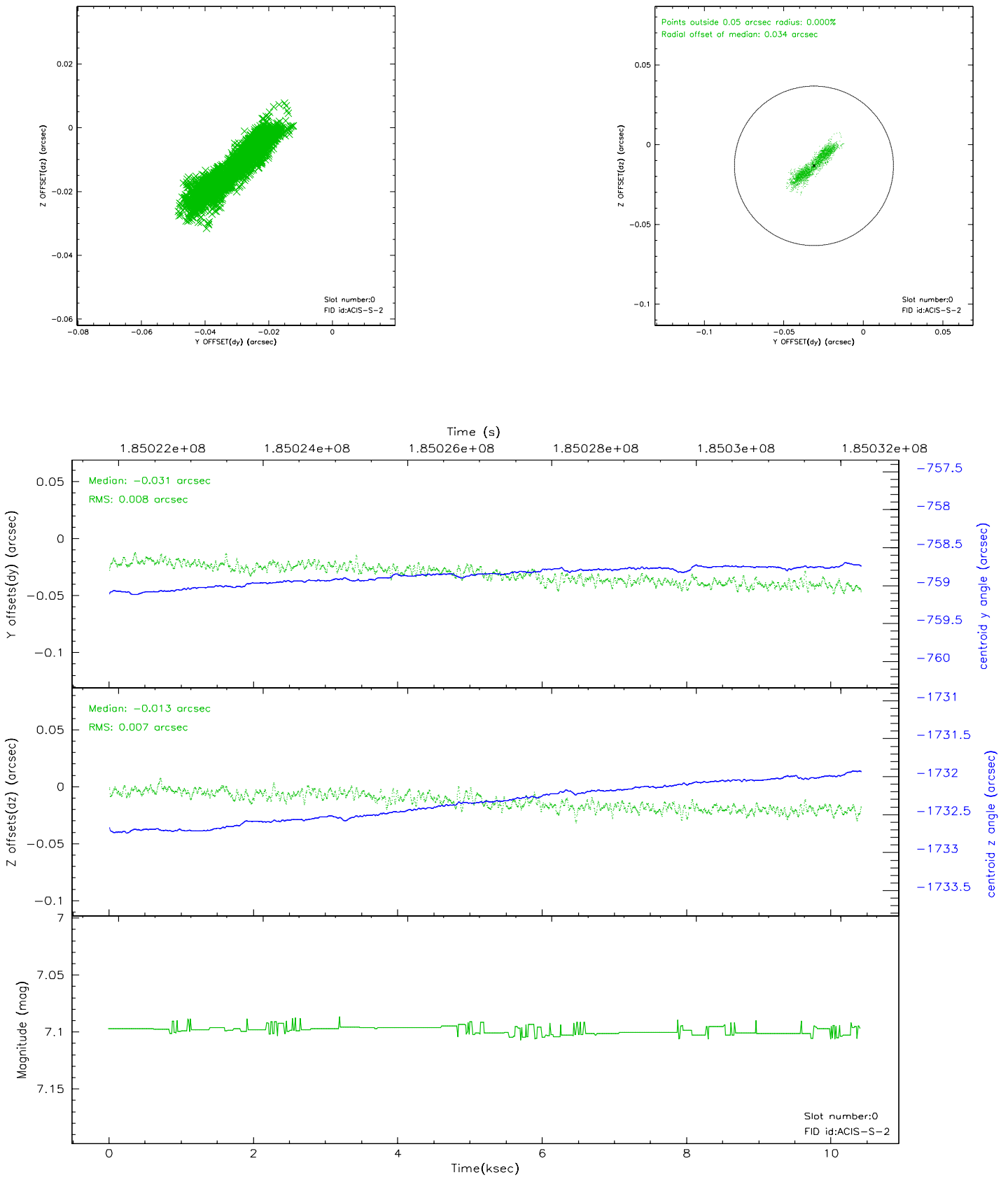


## 2.4.5 Slot 7

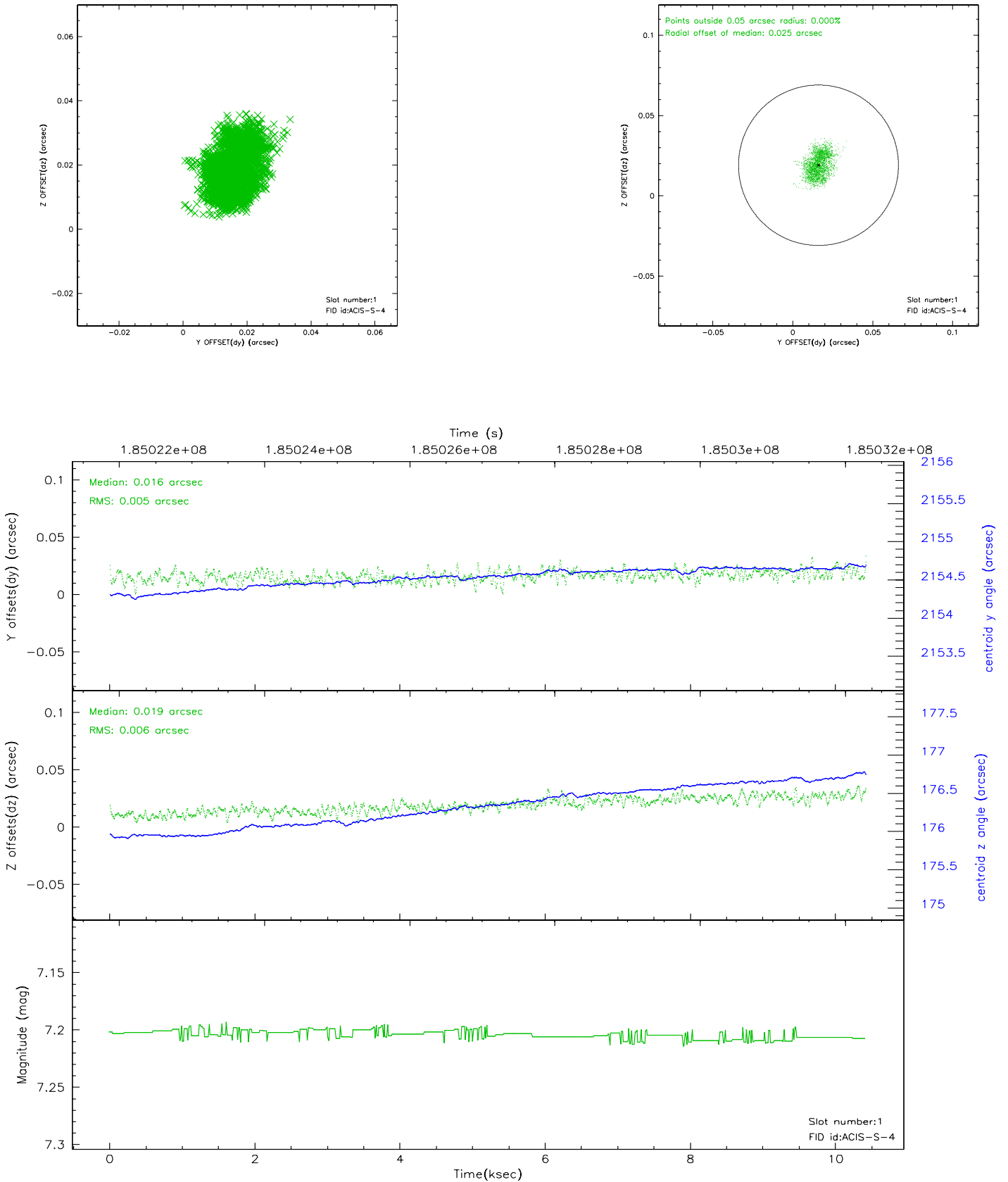


## 2.5 FID Slots

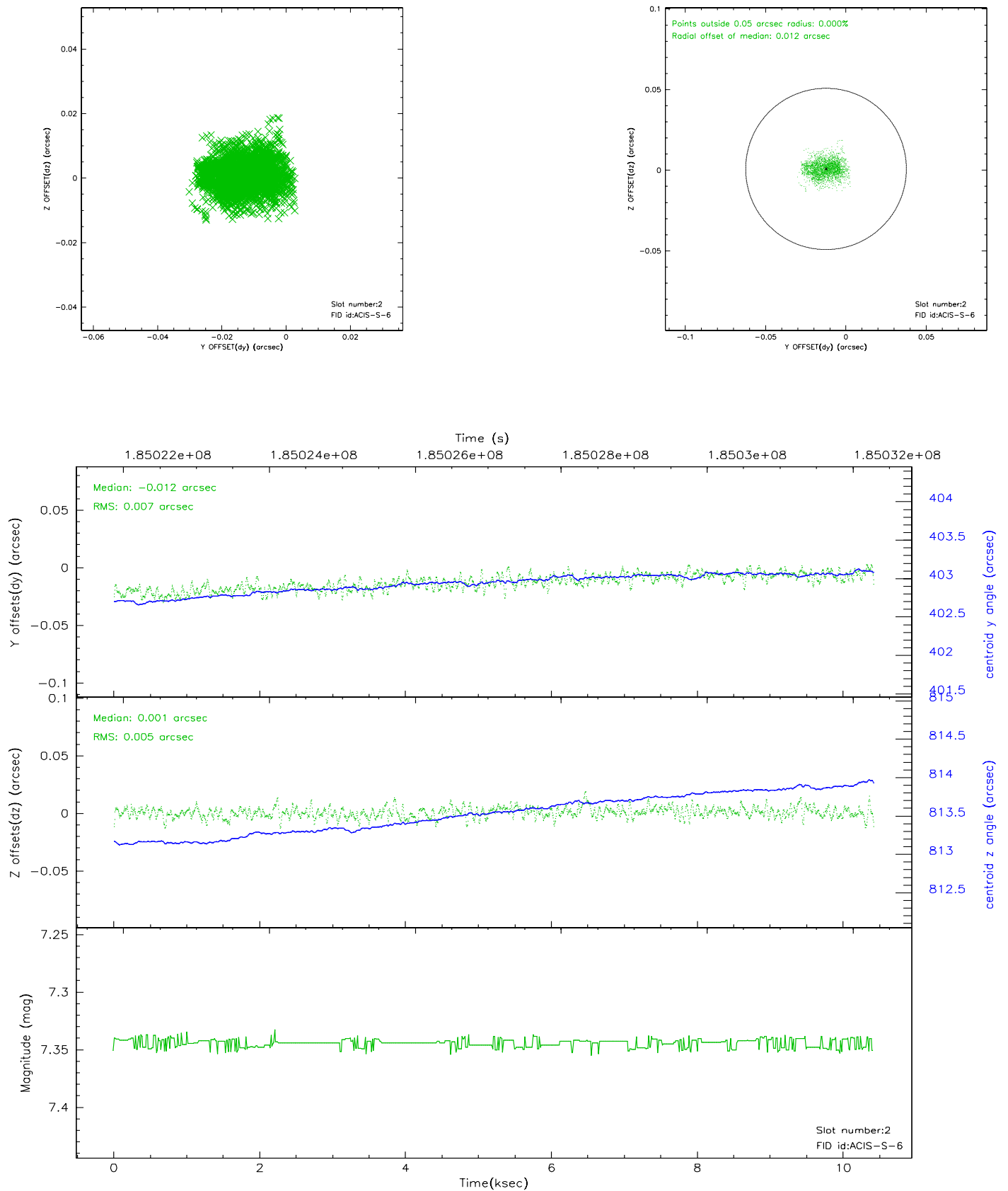
### 2.5.1 Slot 0



## 2.5.2 Slot 1

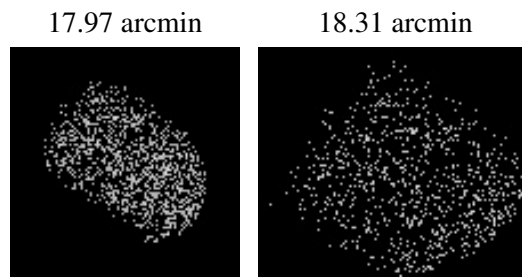


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.417

### A.2 Comments