

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1036 - L2 Version 001  
Chandra X-Ray Center

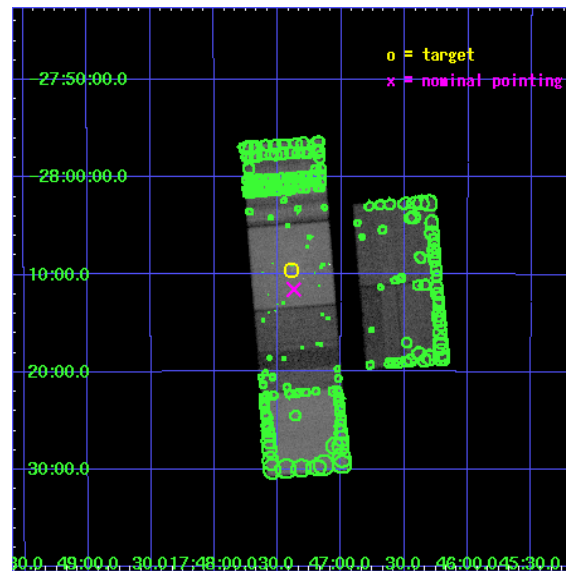
L2 Processing Date : Jun 14 2007

## 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

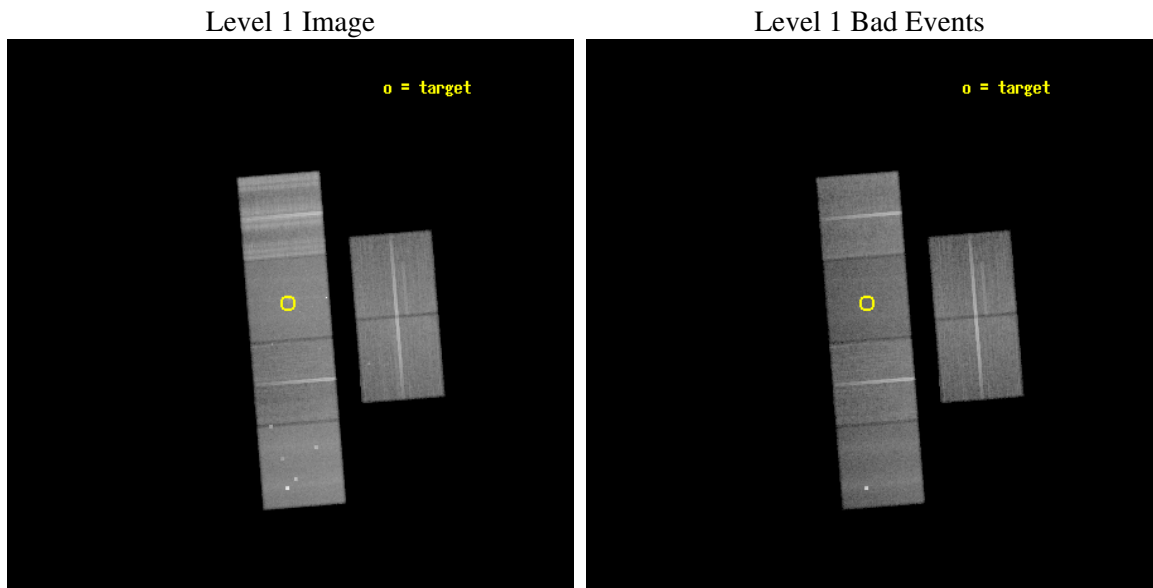
seq_num	500102
obs_id	1036
title	G0.9+0.1 AND G74.9+1.2
observer	Prof. Gordon Garmire
object	G0.9+0.1
dtcycle	0
cycle	P
ra_targ	266.848333
dec_targ	-28.159722
ra_nom	266.84317530998
dec_nom	-28.192699721828
roll_nom	265.35241643384
revision	2
ontime	35452.800033018
livetime	35003.875331887
ontime2	35452.800033018
ontime3	35452.800033018
ontime5	35452.800033018
ontime6	35452.800033018
ontime7	35452.800033018
ontime8	35452.800033018
l2events	623788



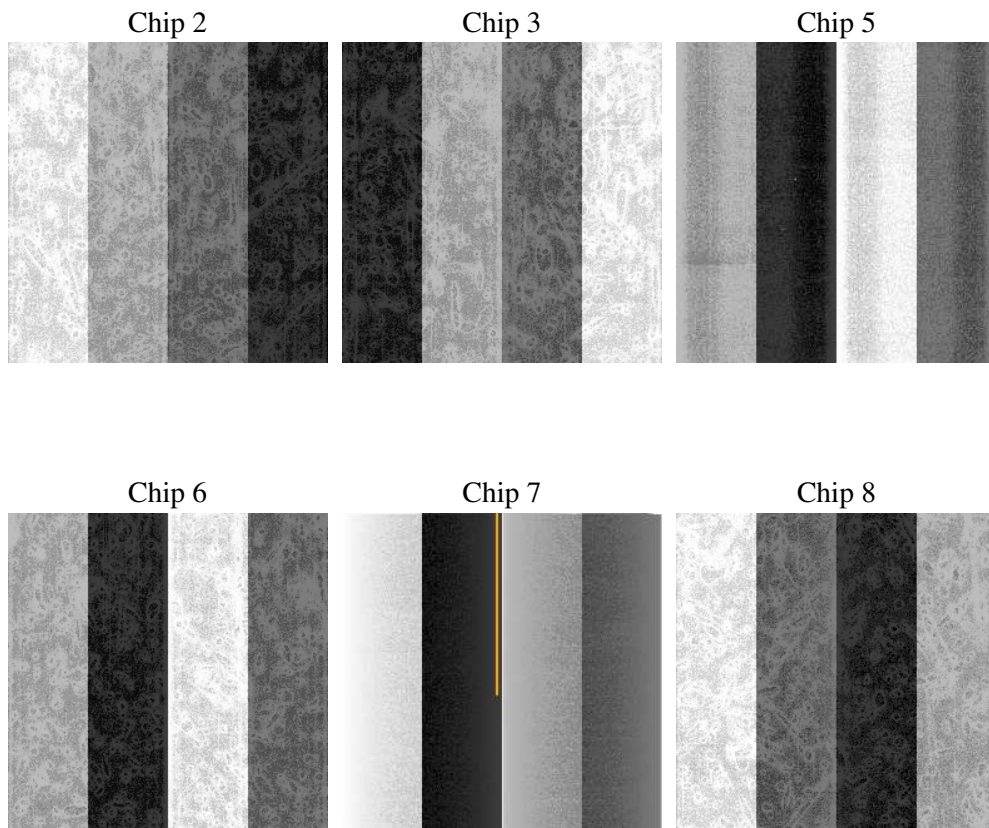
## 2 OBI

### 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	2007-06-14T05:55:39
revision	2

sched_exp_time	35500.000000
ontime	35452.800033018
ontime2	35452.800033018
ontime3	35452.800033018
ontime5	35452.800033018
ontime6	35452.800033018
ontime7	35452.800033018
ontime8	35452.800033018
l1events	2086424

### 2.1.4 Events

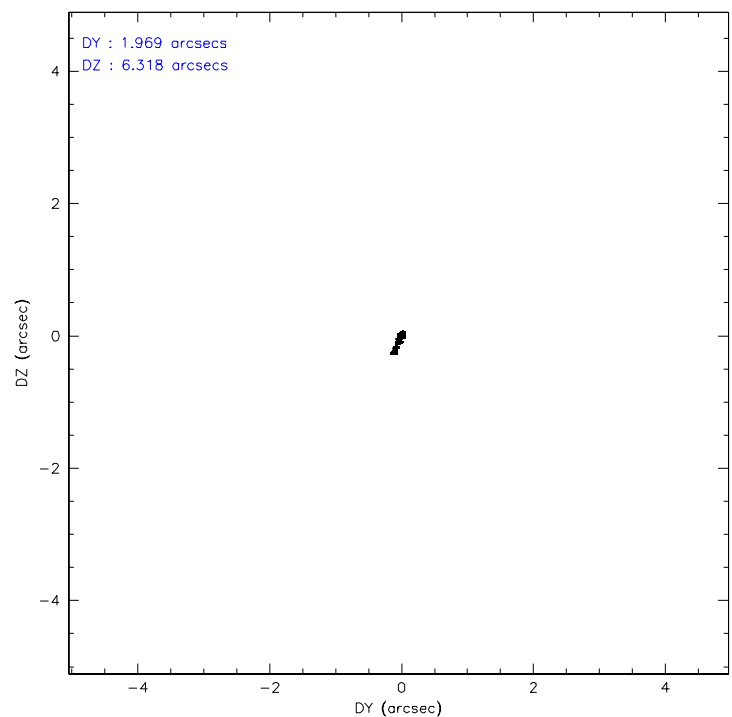
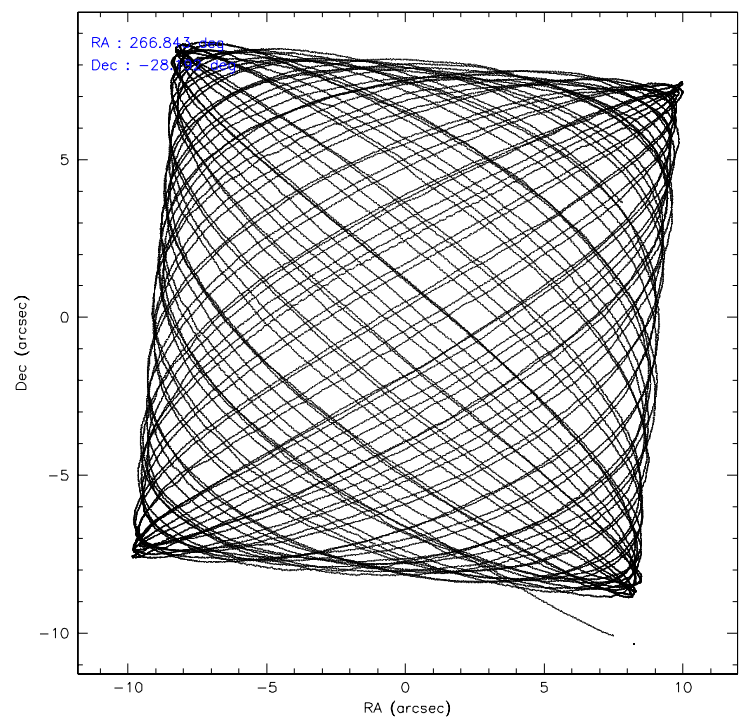
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	295729	287196	374911	296785	334089	497714
rejected events	232899	224523	190089	229881	170603	257479
rejected %	78%	78%	50%	77%	51%	51%

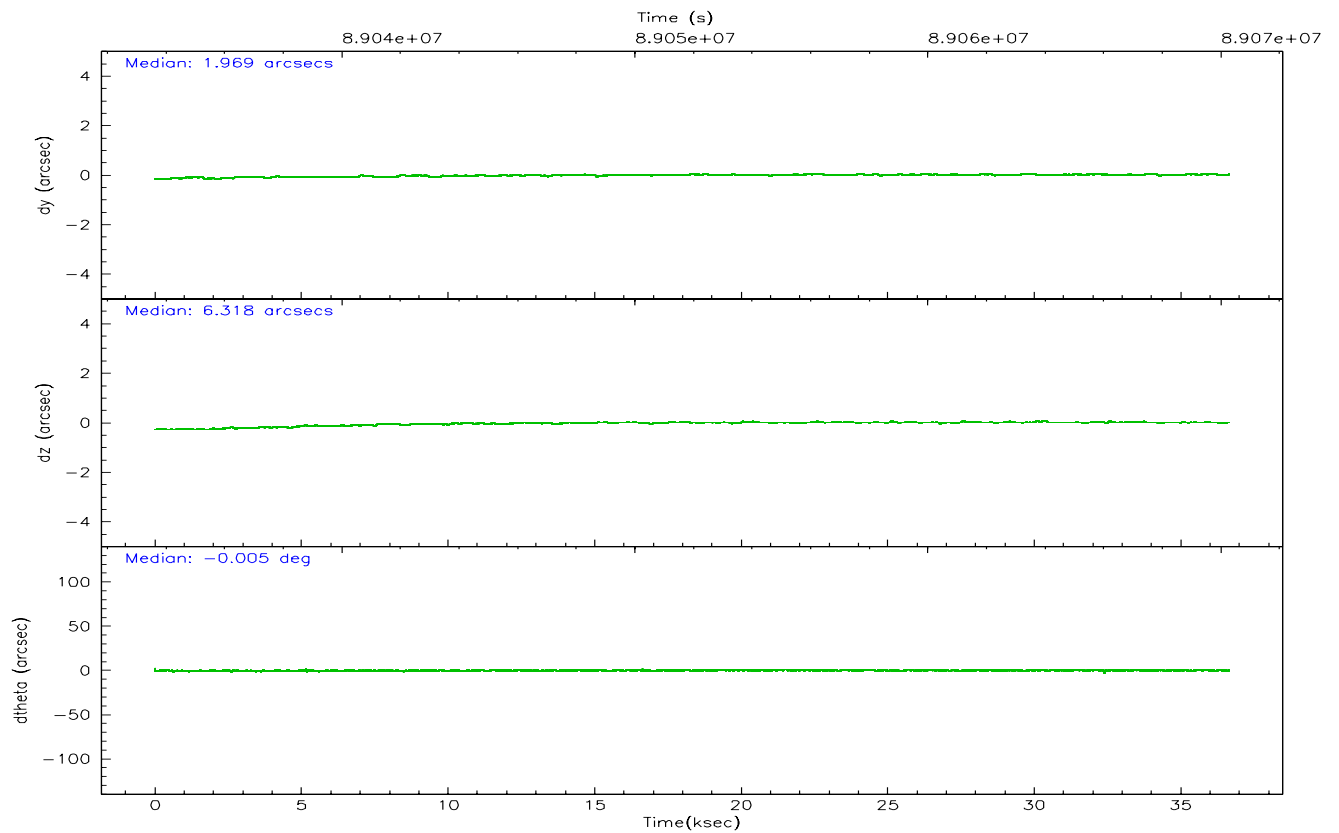
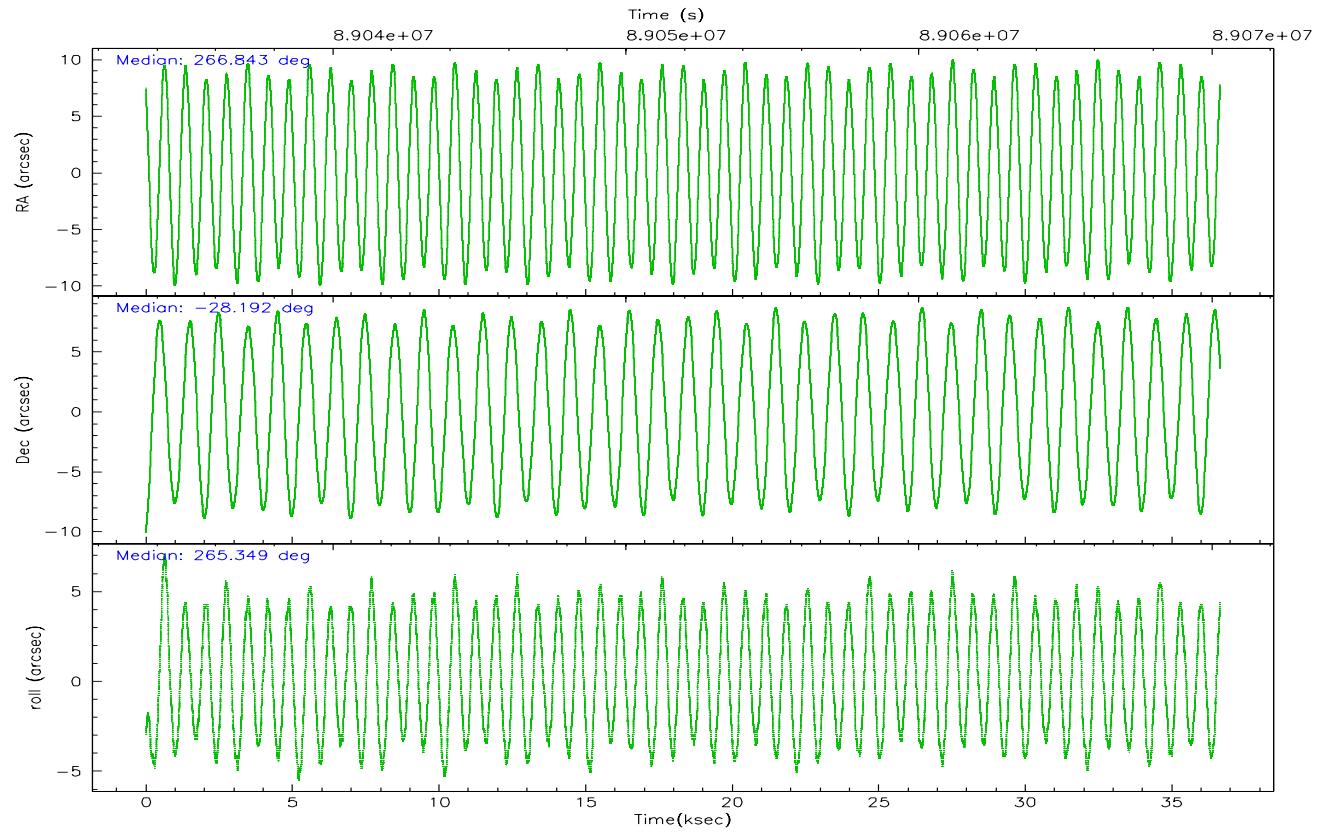
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	29085	26205	24844	29925	19078	96366
	9%	9%	6%	10%	5%	19%
grade 1 events	194	162	604	200	352	750
	0%	0%	0%	0%	0%	0%
grade 2 events	14871	18029	53186	17631	33306	34235
	5%	6%	14%	5%	9%	6%
grade 3 events	3066	2960	11402	3415	14996	39074
	1%	1%	3%	1%	4%	7%
grade 4 events	3987	3401	10175	3667	14918	35316
	1%	1%	2%	1%	4%	7%
grade 5 events	7617	8388	28878	9207	28679	12741
	2%	2%	7%	3%	8%	2%
grade 6 events	11826	12085	85230	12276	81204	35259
	3%	4%	22%	4%	24%	7%
grade 7 events	225083	215966	160592	220464	141556	243973
	76%	75%	42%	74%	42%	49%

## 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	266.829699	266.8431753099829	Subarray requested	NONE	NONE
Pointing Dec	-28.168069	-28.19269972182768	Alternating exposures requested	N	N
Pointing Roll	265.189432	265.3524164338356	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	89034779.184000	89033332.17298999			
Observation start date	2000-10-27T11:51:55	2000-10-27T11:28:52			
Observation end time	89070279.184000	89071162.361919			
Observation end date	2000-10-27T21:43:35	2000-10-27T21:59:22			
Read mode	TIMED	TIMED			

## 2.3 Aspect





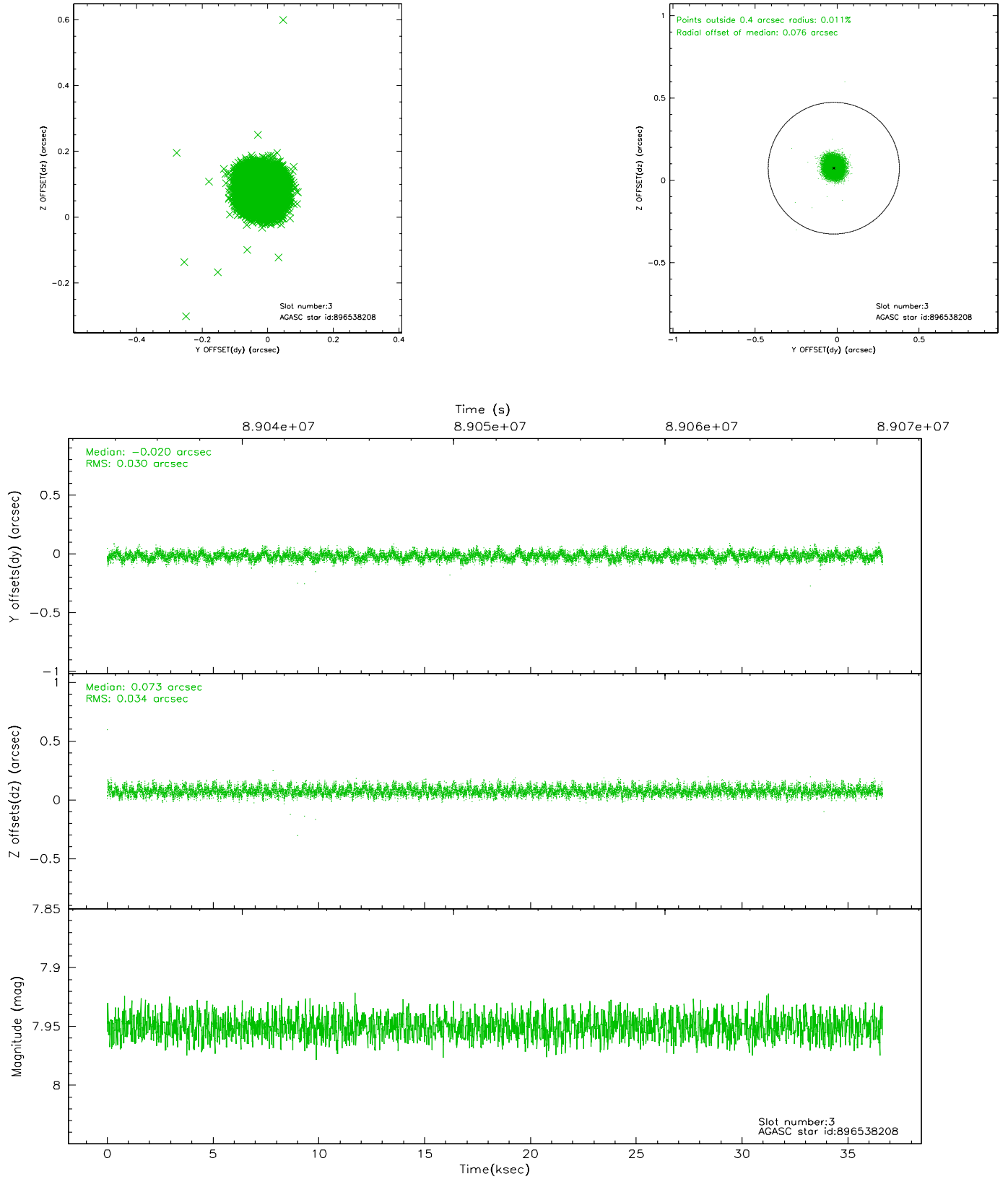
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	8941	-0.024	0.026	0.008	0.013	0.000000	0.000000	-754.58	-1727.41
1	FID	ACIS-S-4	7.20	8941	-0.070	0.005	0.005	0.010	0.000000	0.000000	2158.62	181.04
2	FID	ACIS-S-5	7.23	8941	0.063	-0.022	0.007	0.012	0.000000	0.000000	-1807.31	174.69
3	GUIDE	896538208	7.95	17881	-0.020	0.073	0.048	0.078	267.176969	-28.671626	1716.94	1245.81
4	GUIDE	896537176	8.03	17877	0.061	-0.012	0.051	0.082	266.498272	-28.678259	1920.67	-888.39
5	GUIDE	896011040	7.70	17882	-0.091	0.056	0.046	0.074	267.058469	-28.014759	-609.28	678.67
6	GUIDE	896535464	9.32	17873	0.117	-0.121	0.084	0.137	266.962550	-28.408631	828.99	492.22
7	GUIDE	896012968	8.67	17874	-0.064	0.002	0.064	0.099	266.634547	-27.600471	-1982.41	-791.43

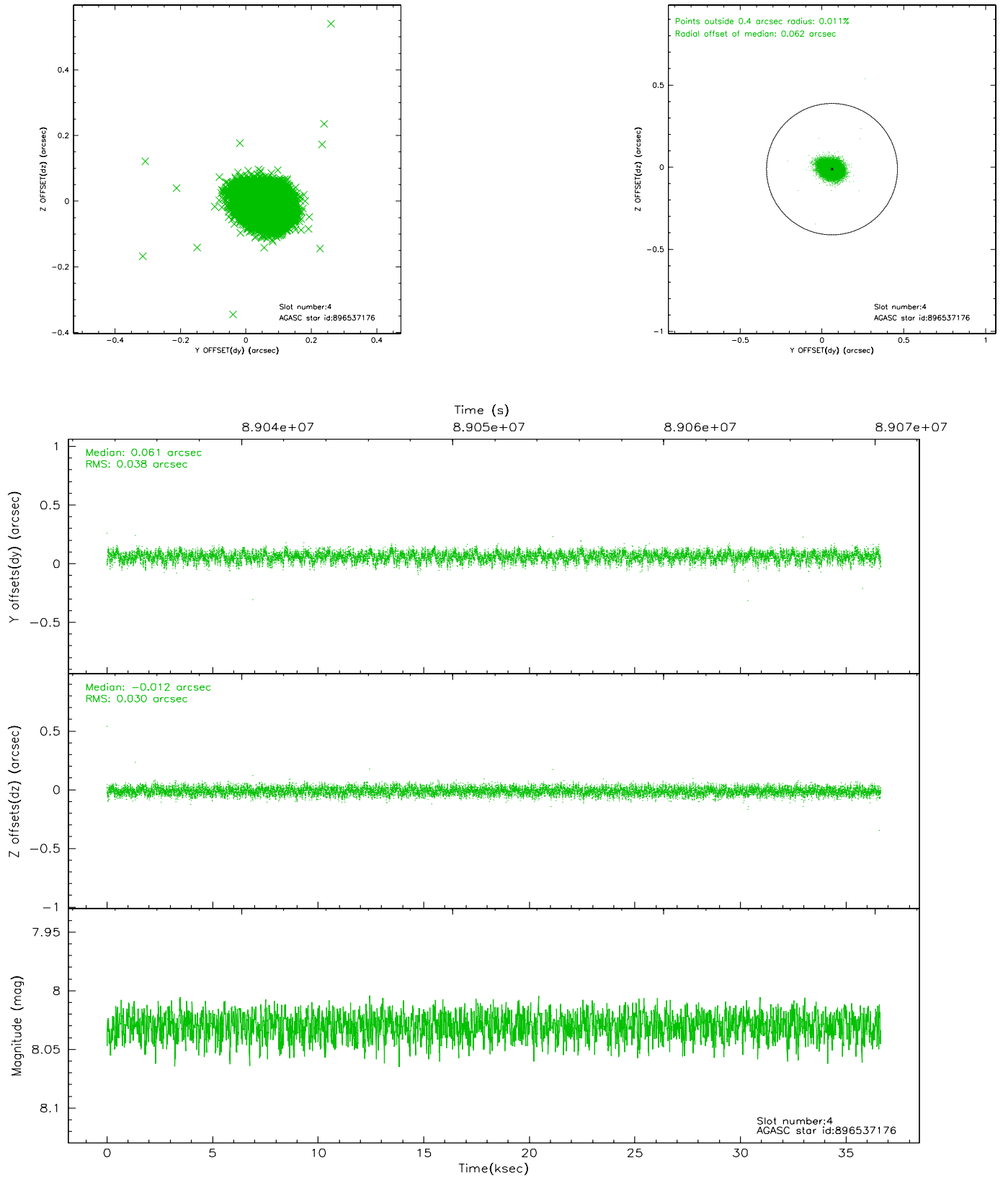


## 2.4 Star Slots

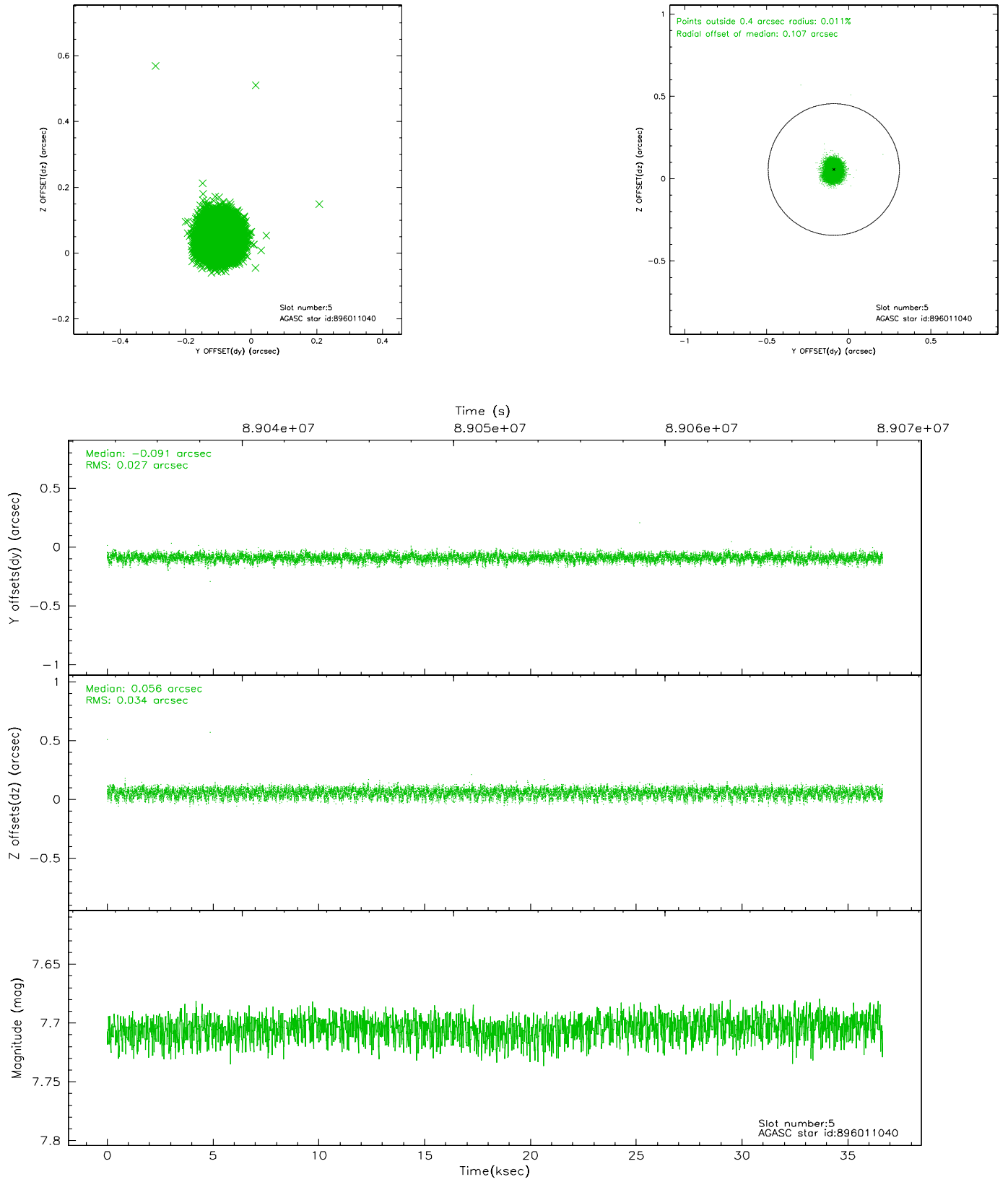
### 2.4.1 Slot 3



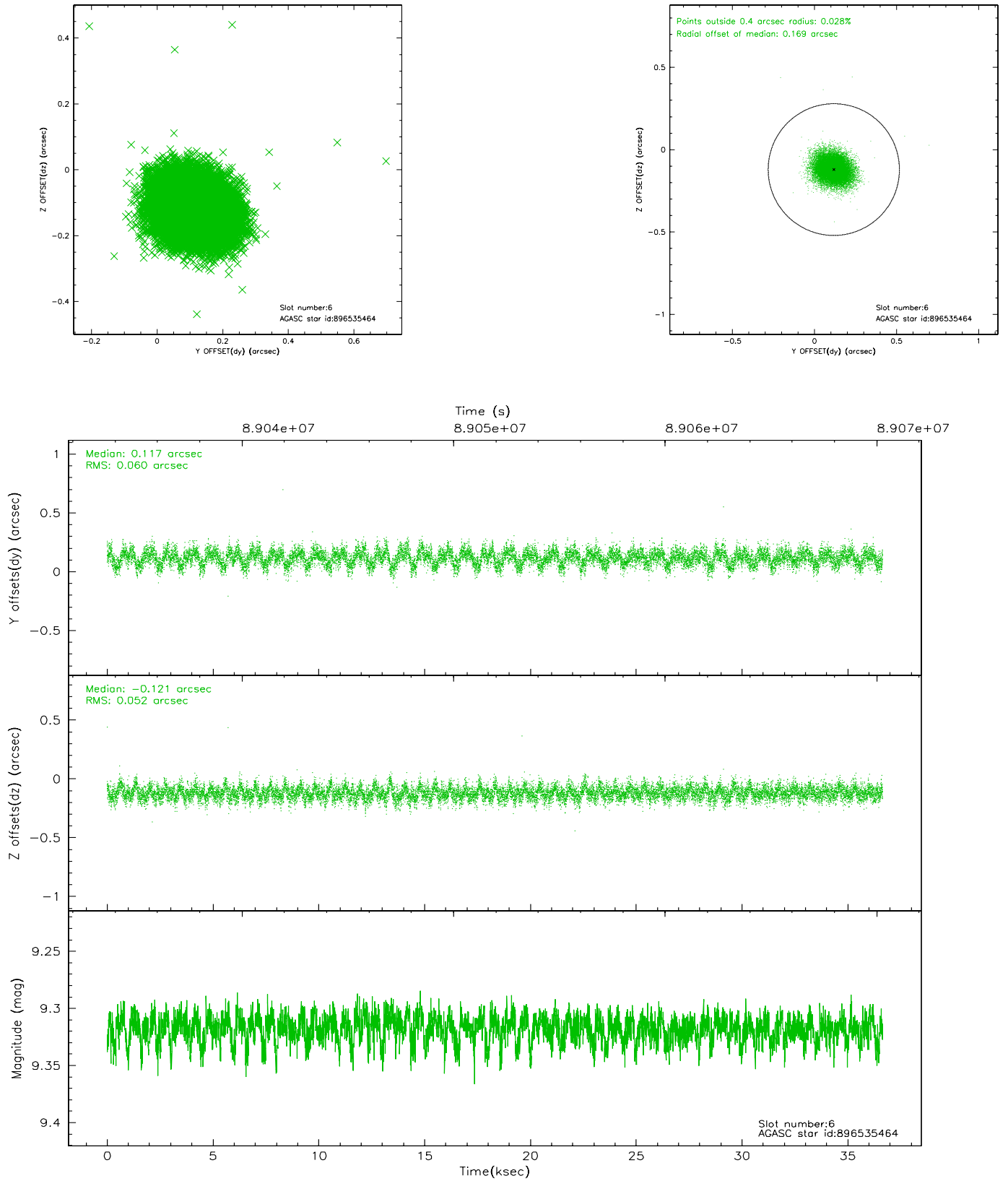
## 2.4.2 Slot 4



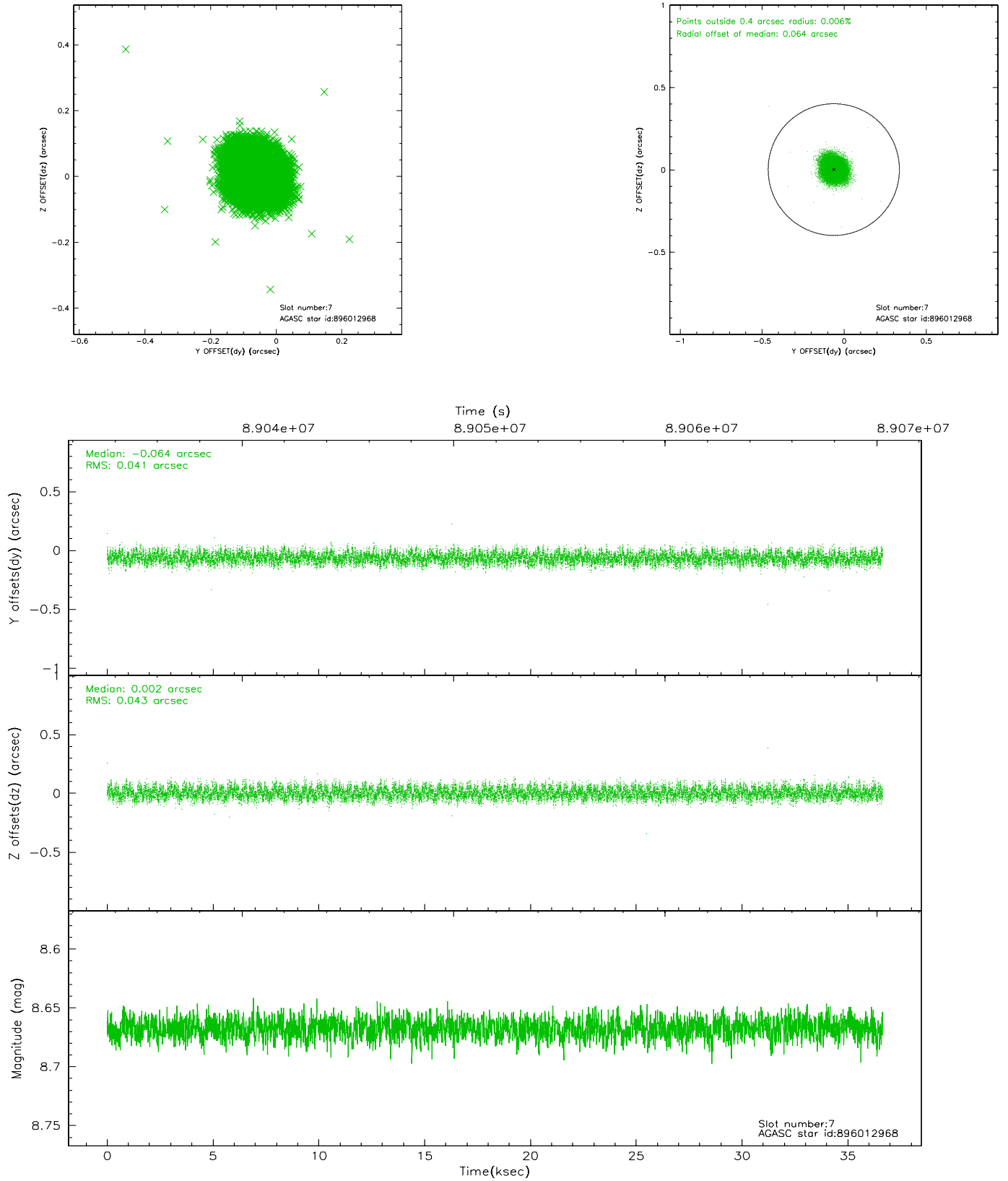
### 2.4.3 Slot 5



## 2.4.4 Slot 6

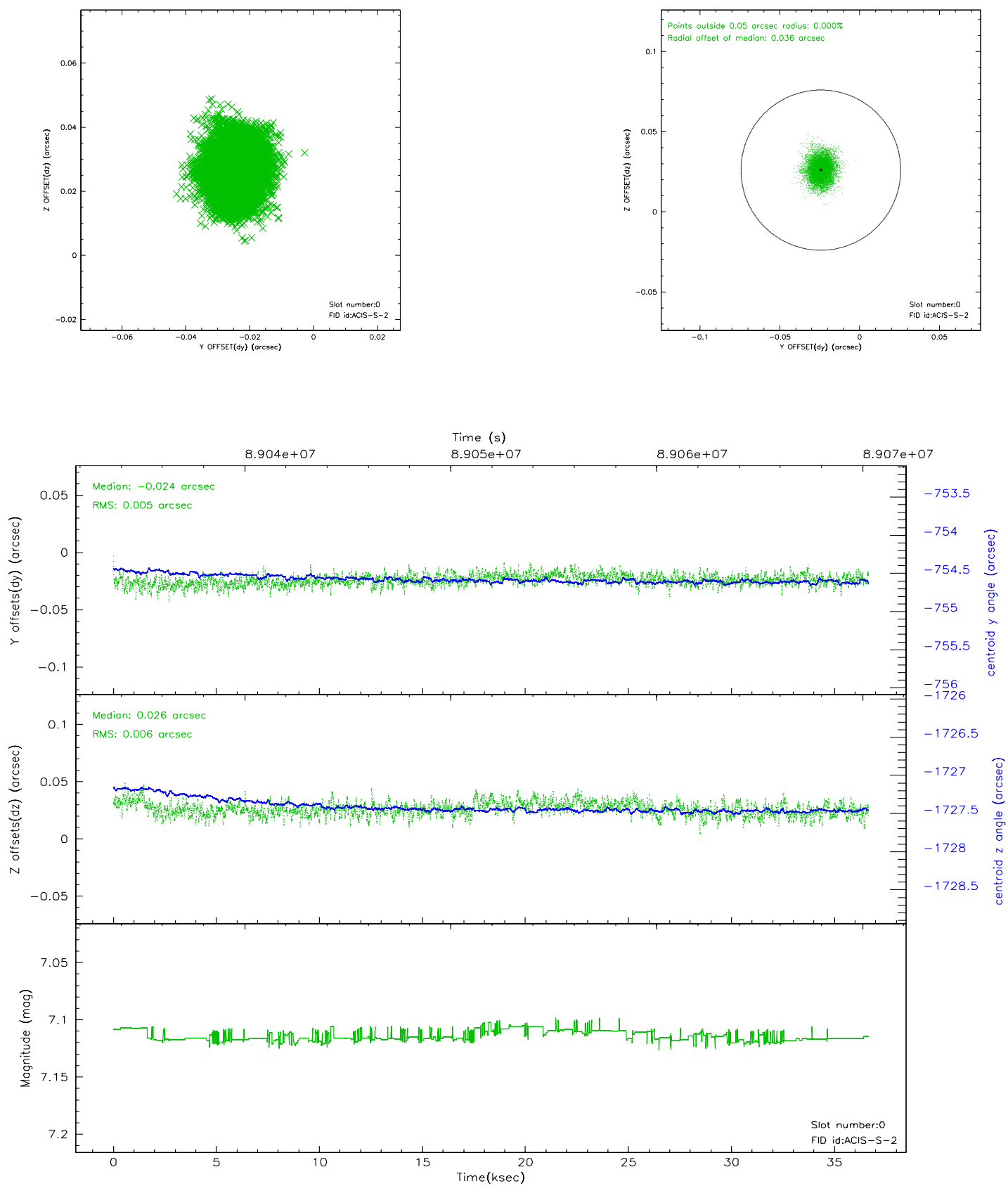


## 2.4.5 Slot 7

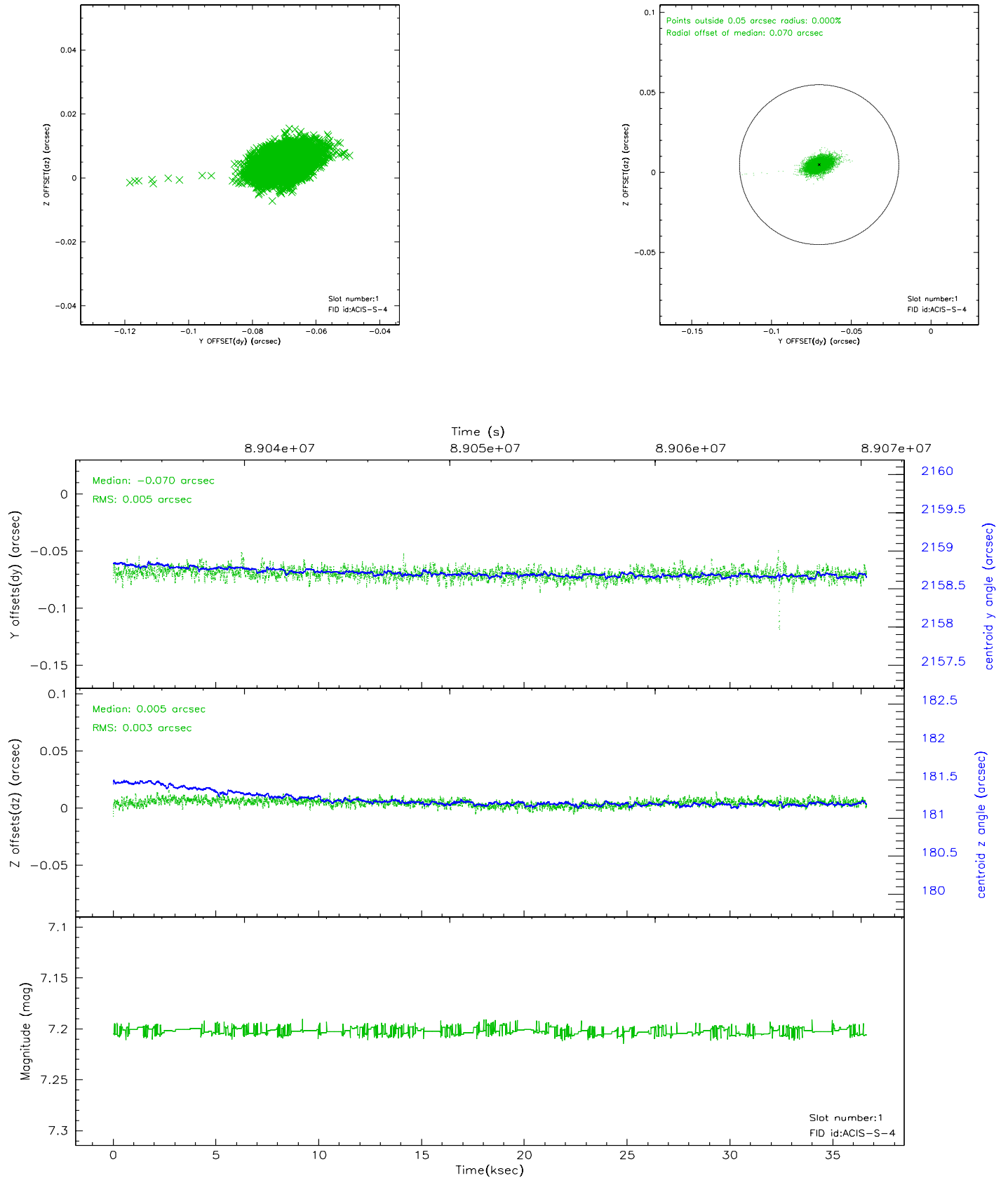


## 2.5 FID Slots

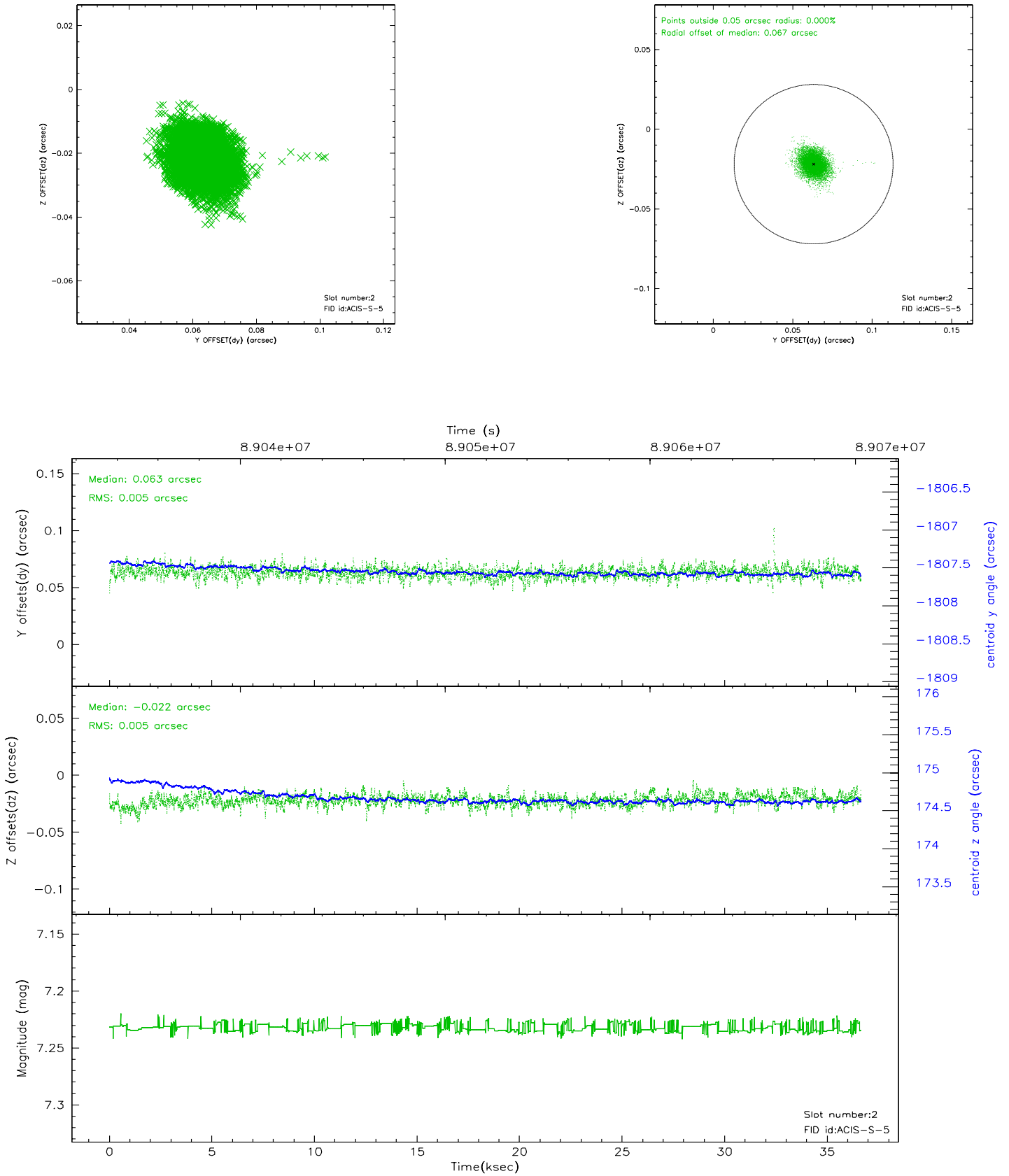
### 2.5.1 Slot 0



## 2.5.2 Slot 1

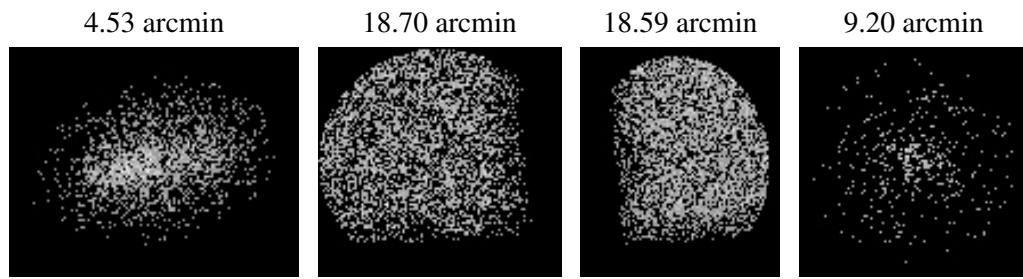


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.452

### A.2 Comments