

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4368 - L2 Version 001  
Chandra X-Ray Center

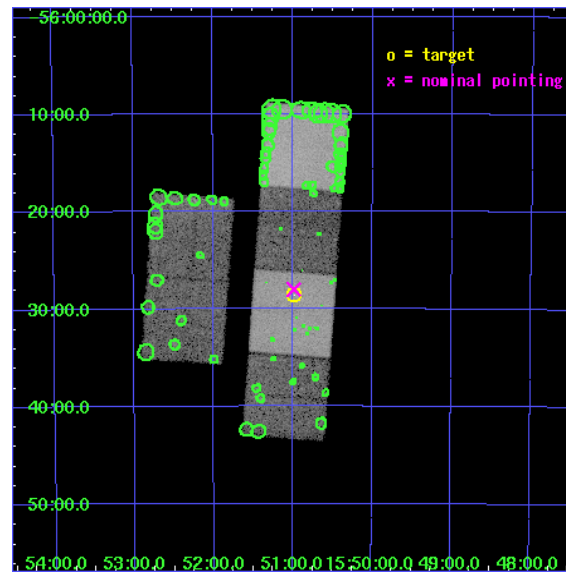
L2 Processing Date : Jul 19 2006

## 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

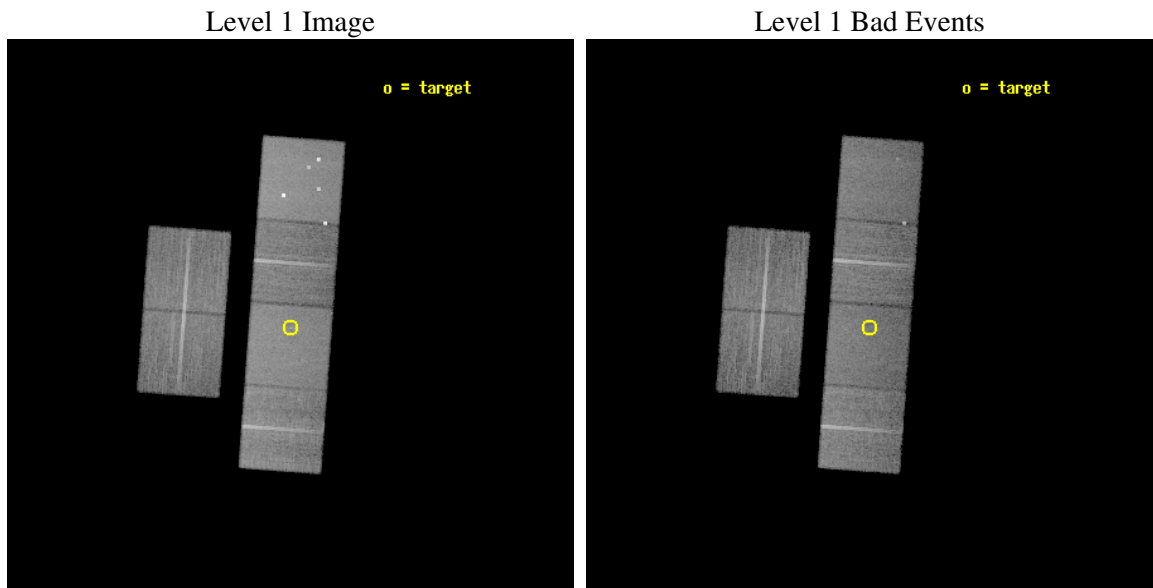
seq_num	400294
obs_id	4368
title	JET INTERACTIONS AROUND THE BLACK HOLE XTE J1550-564
observer	Dr Stephane Corbel
object	XTE J1550-564 (JET)
dtcycle	0
cycle	P
ra_targ	237.744583
dec_targ	-56.476556
ra_nom	237.74635366088
dec_nom	-56.46693073055
roll_nom	94.244327800386
revision	2
ontime	23983.999910653
livetime	23680.300062353
ontime2	23983.999910653
ontime3	23983.999910653
ontime5	23983.999910653
ontime6	23983.999910653
ontime7	23983.999910653
ontime8	23980.758960307
l2events	240299



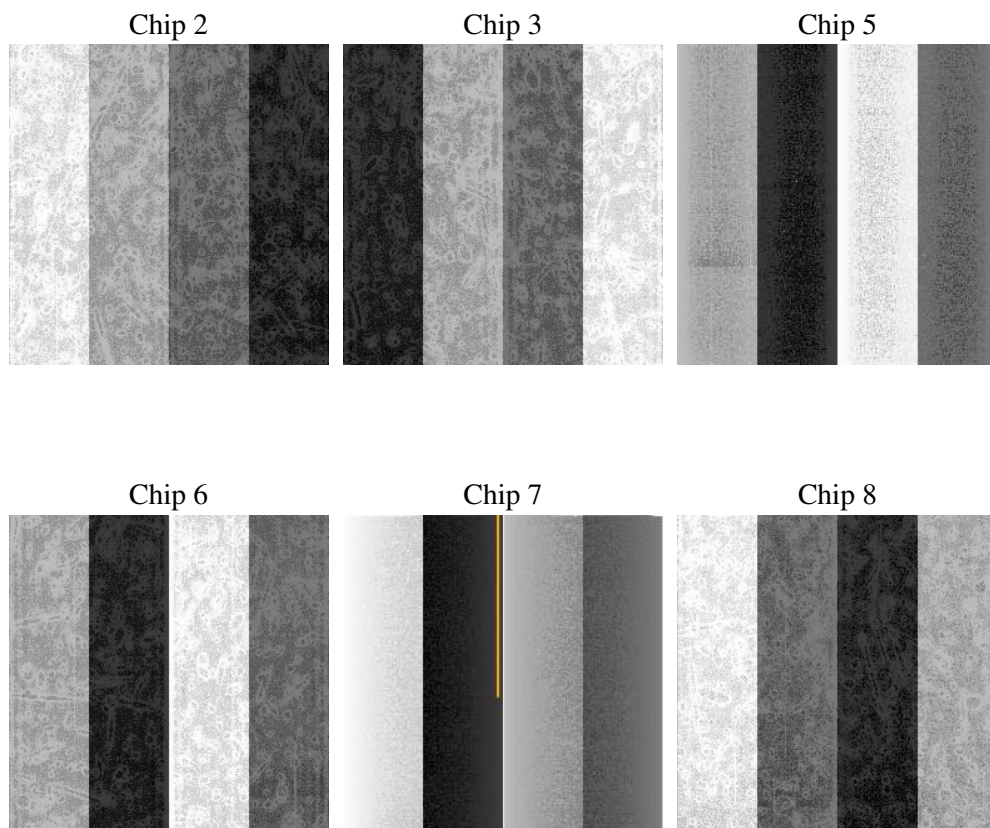
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-19T15:50:43
revision	2

sched_exp_time	24225.921000
ontime	23989.88990587
ontime2	23989.889885932
ontime3	23989.88990587
ontime5	23989.88990587
ontime6	23989.88990587
ontime7	23989.88990587
ontime8	23986.648845941
l1events	1059641

### 2.1.4 Events

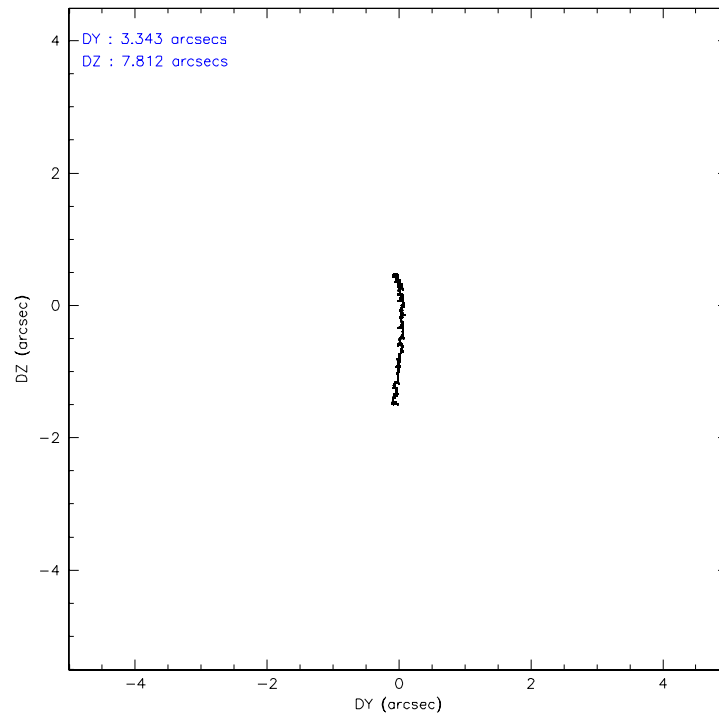
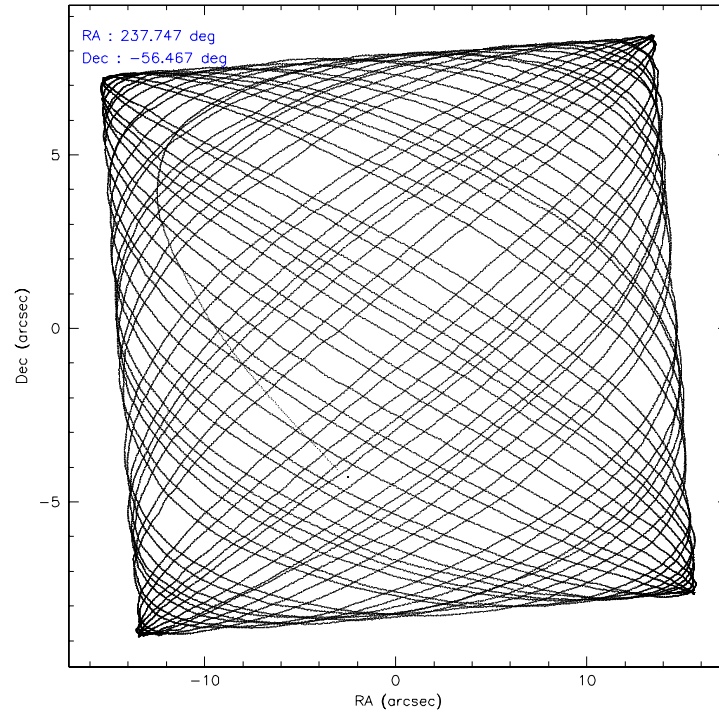
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	153433	141228	233422	150494	196331	184733
rejected events	130945	123188	119772	131503	119807	146236
rejected %	85%	87%	51%	87%	61%	79%

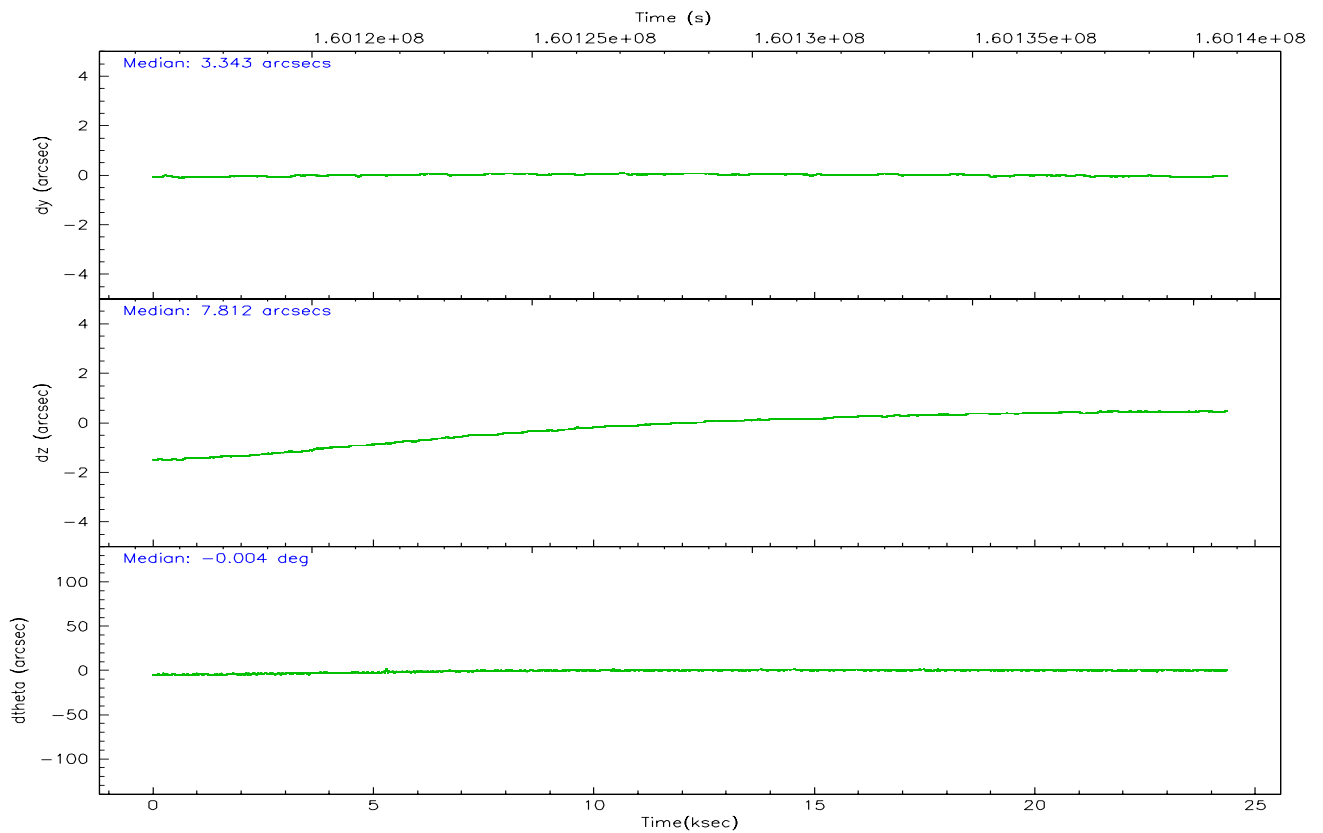
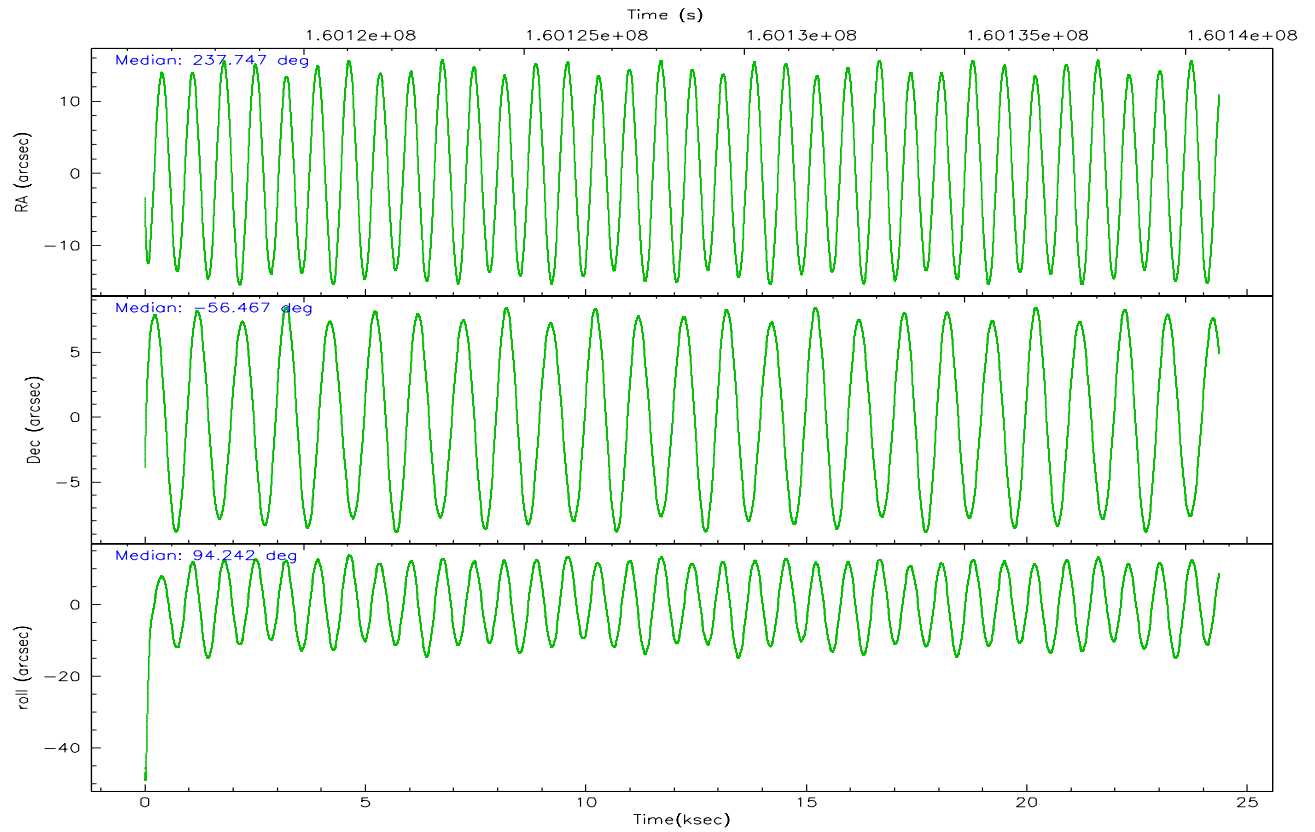
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12252	8742	19559	8565	5089	12783
	7%	6%	8%	5%	2%	6%
grade 1 events	99	82	914	71	95	145
	0%	0%	0%	0%	0%	0%
grade 2 events	3839	3114	33855	3542	19115	8078
	2%	2%	14%	2%	9%	4%
grade 3 events	1784	1651	2883	1689	4018	3978
	1%	1%	1%	1%	2%	2%
grade 4 events	1763	1620	2685	1728	3839	3734
	1%	1%	1%	1%	1%	2%
grade 5 events	5655	6107	10464	6563	12610	8360
	3%	4%	4%	4%	6%	4%
grade 6 events	2856	2918	54692	3473	44482	9930
	1%	2%	23%	2%	22%	5%
grade 7 events	125185	116994	108370	124863	107083	137725
	81%	82%	46%	82%	54%	74%

## 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	NONE	NONE
Pointing RA	237.774671	237.7463536608794	Alternating exposures requested	N	N
Pointing Dec	-56.489233	-56.46693073054961	Primary exposure time	0.000000	3.2
Pointing Roll	94.111340	94.24432780038582			
Window start time	160012864.184000	160012864.184000			
Window stop time	160531264.184000	160531264.184000			
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	160116539.184000	160115510.61558			
Observation start date	2003-01-28T04:47:55	2003-01-28T04:31:50			
Observation end time	160140765.184000	160141079.75416			
Observation end date	2003-01-28T11:31:41	2003-01-28T11:37:59			
Read mode	TIMED	TIMED			

## 2.3 Aspect





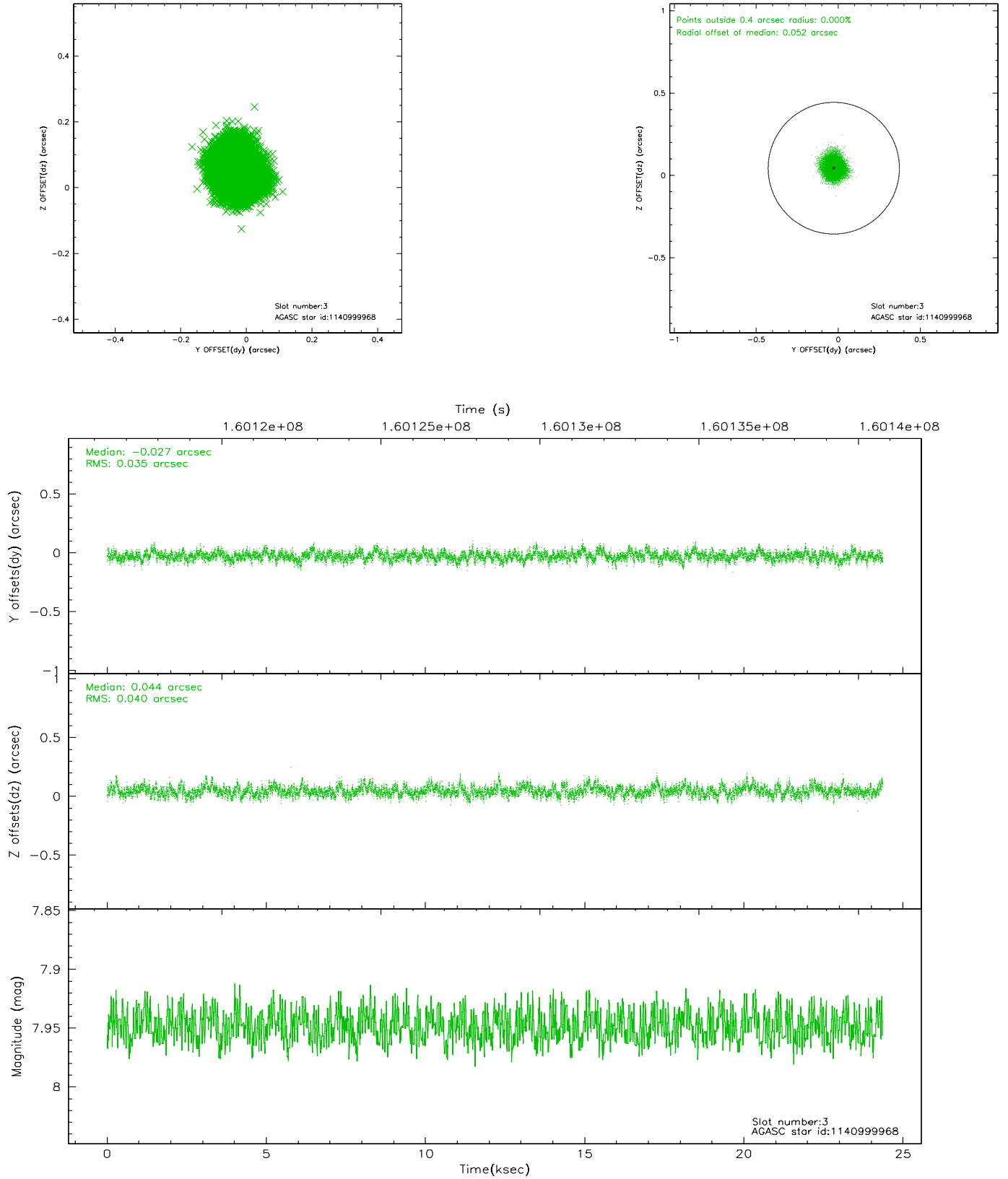
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5942	-0.004	0.009	0.012	0.027	0.000000	0.000000	-755.99	-1728.72
1	FID	ACIS-S-4	7.20	5942	-0.027	0.000	0.008	0.019	0.000000	0.000000	2157.20	179.63
2	FID	ACIS-S-5	7.24	5942	0.001	0.001	0.012	0.023	0.000000	0.000000	-1808.67	173.43
3	GUIDE	1140999968	7.95	11882	-0.027	0.044	0.056	0.091	238.471952	-56.275988	658.78	-1444.10
4	GUIDE	1140459120	8.09	11884	-0.239	-0.072	0.059	0.091	236.924254	-55.881913	2293.14	1557.06
5	GUIDE	1140464712	8.83	11816	-0.168	-0.151	0.064	0.104	237.089614	-55.992926	1874.26	1248.62
6	GUIDE	1140989920	8.88	11880	0.296	-0.008	0.060	0.100	237.647305	-57.151120	-2358.57	419.27
7	GUIDE	1140998784	9.17	11875	0.138	0.183	0.084	0.142	238.683224	-56.839204	-1396.65	-1692.84

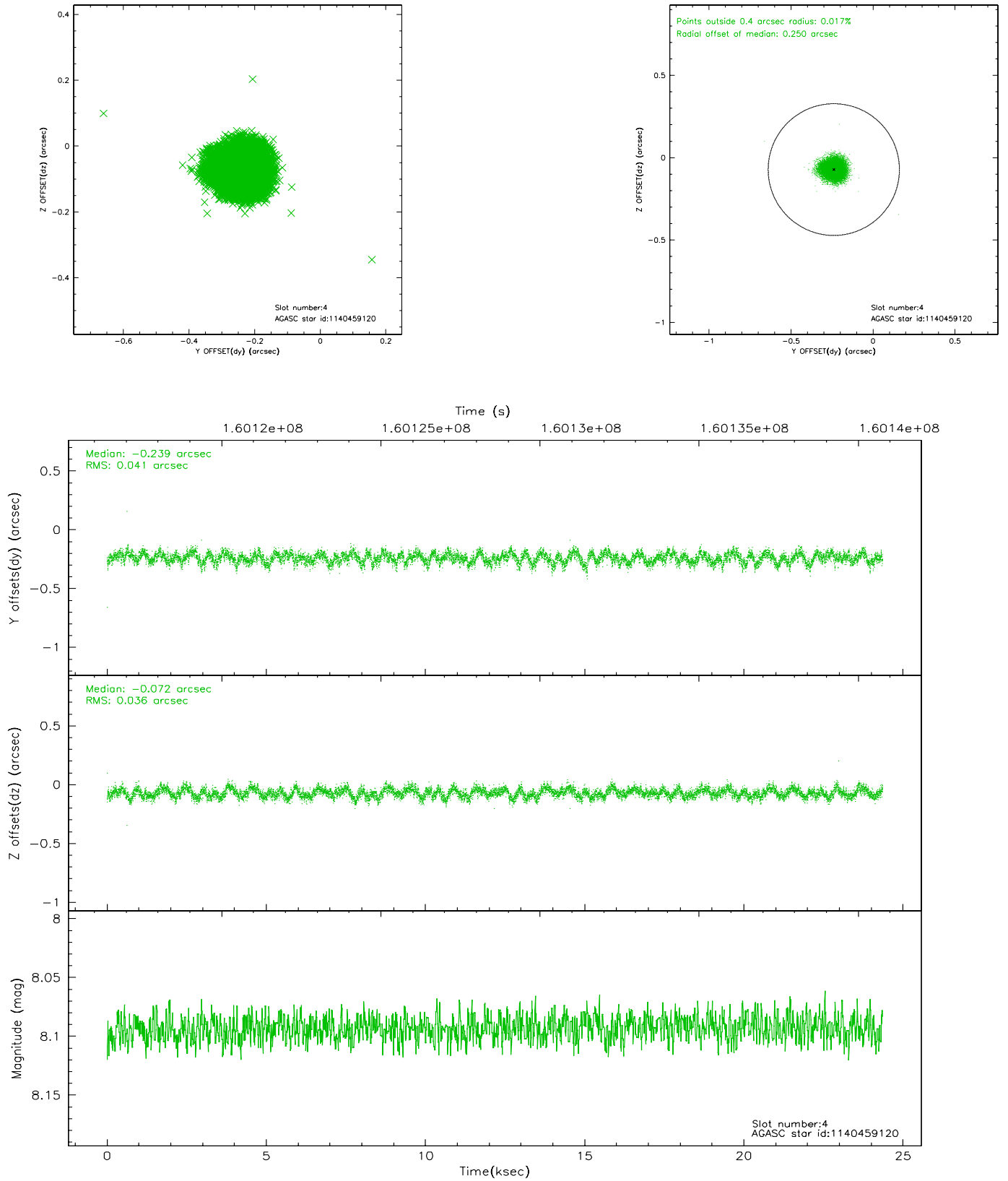


## 2.4 Star Slots

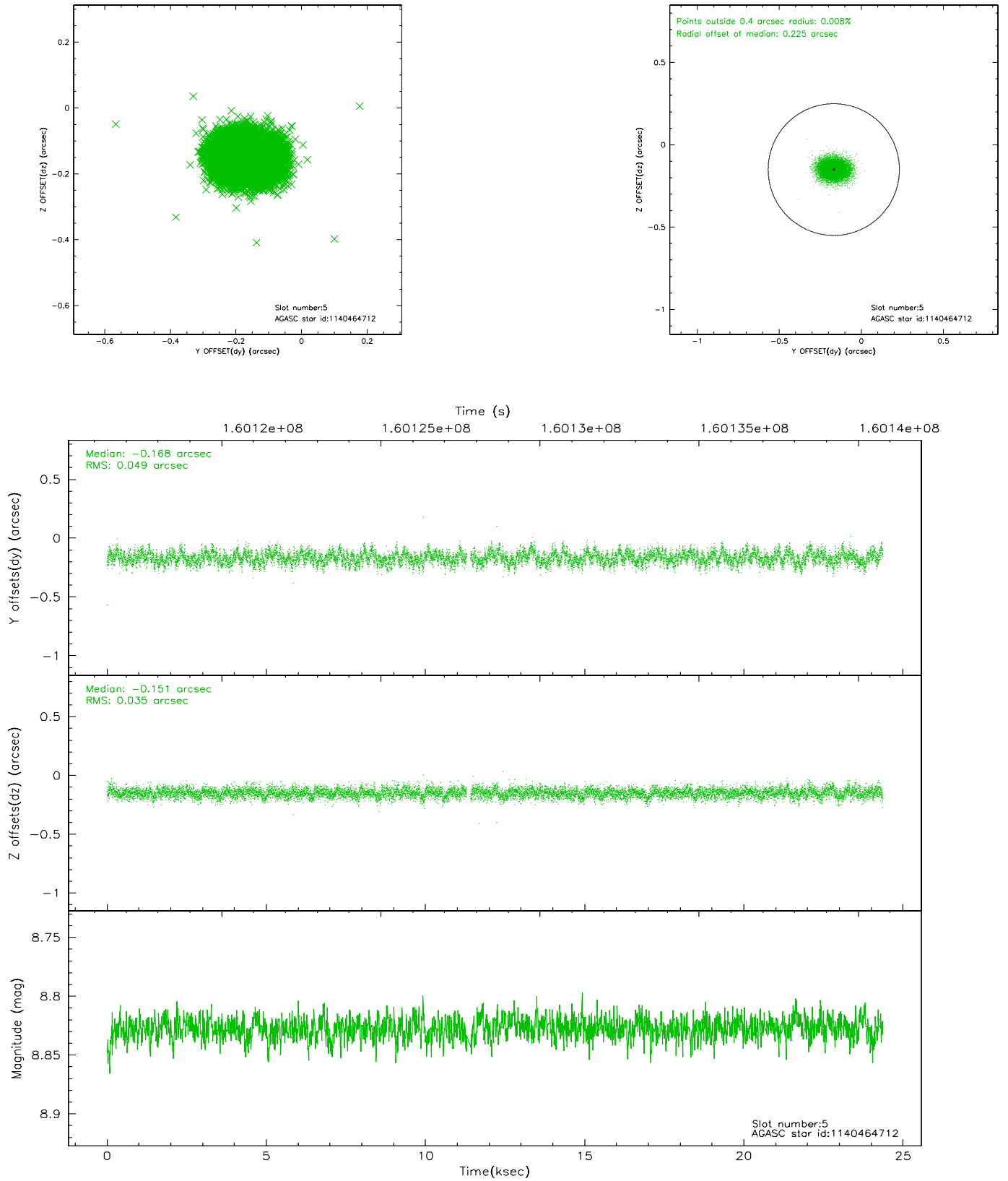
### 2.4.1 Slot 3



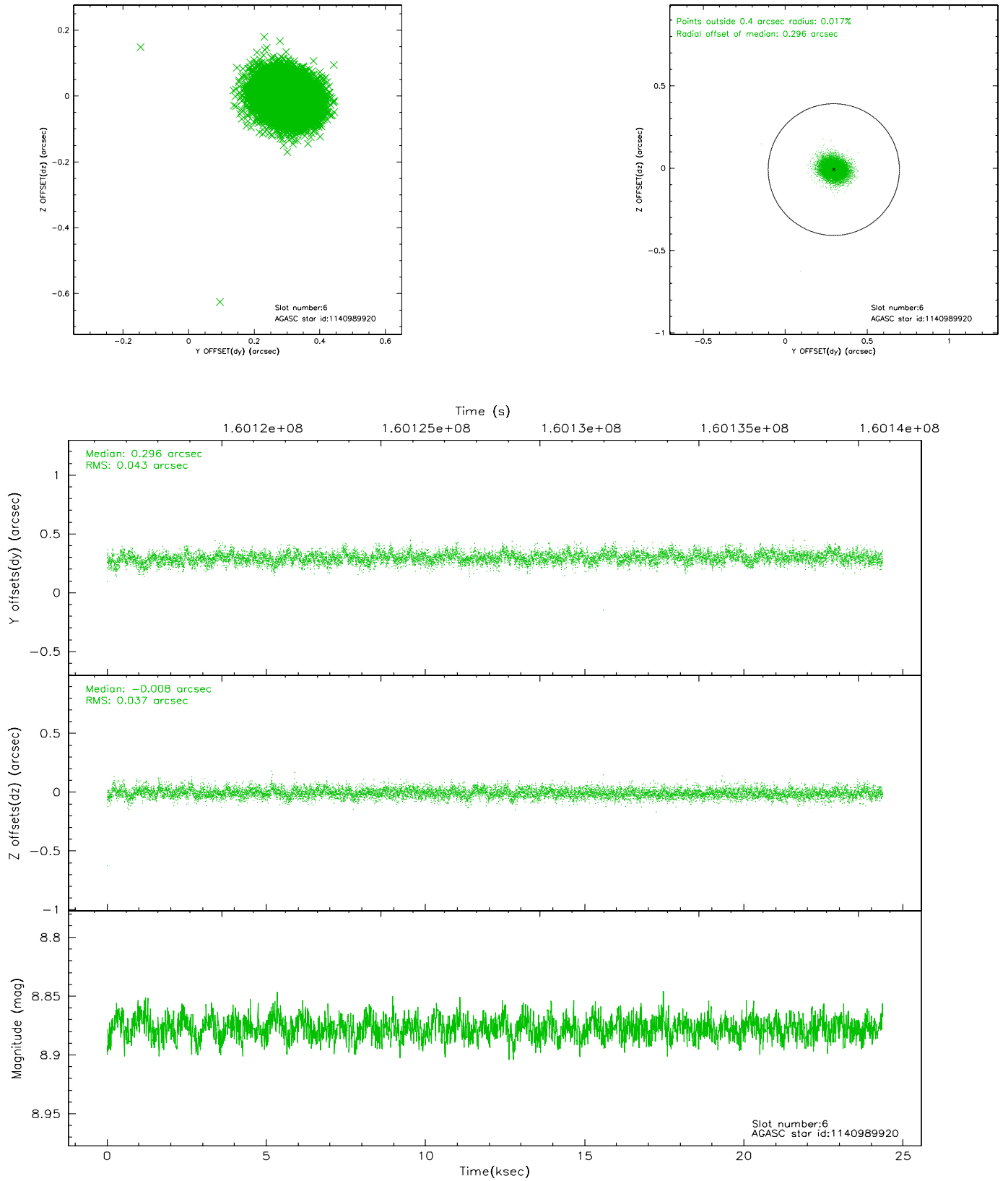
## 2.4.2 Slot 4



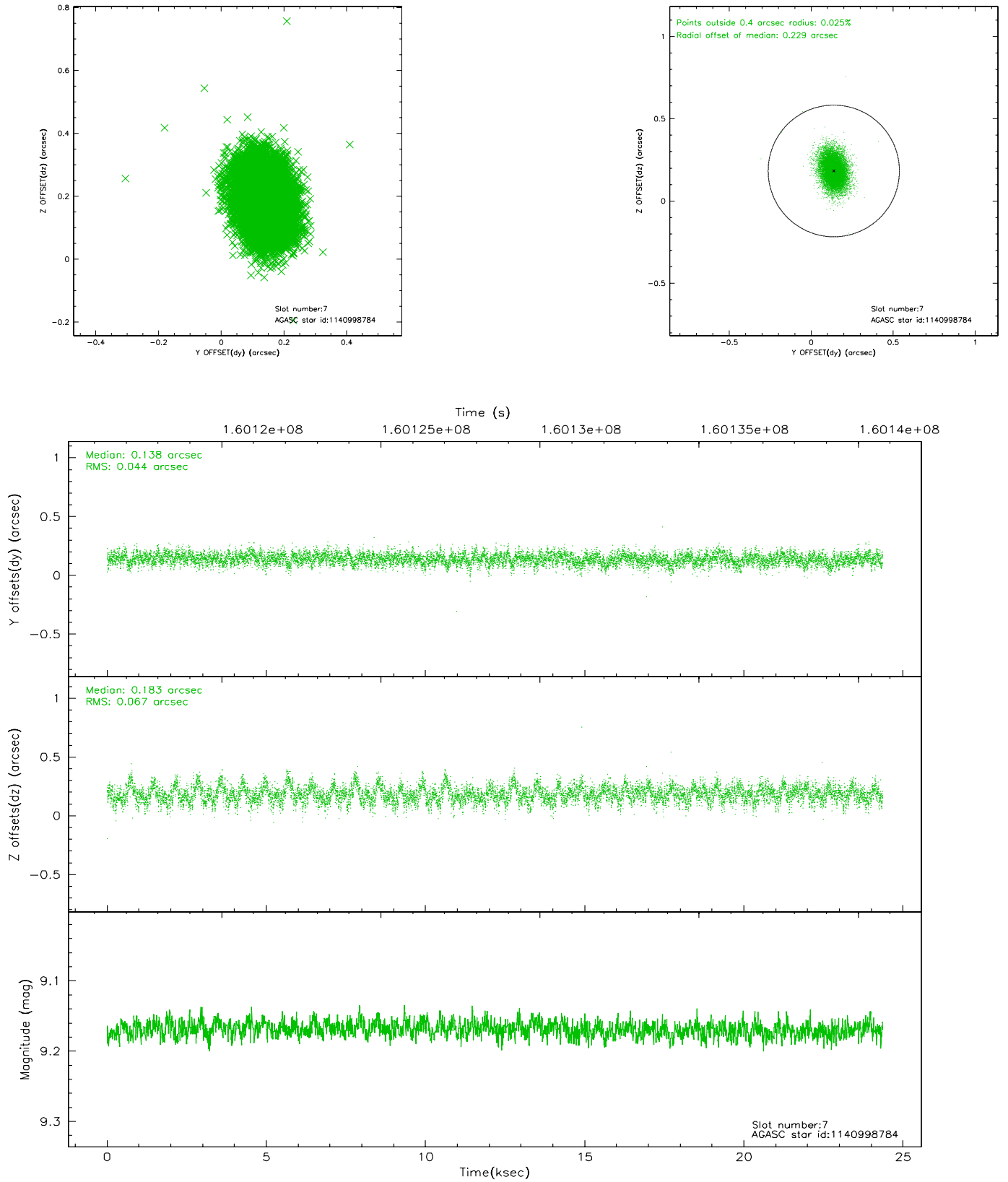
### 2.4.3 Slot 5



## 2.4.4 Slot 6

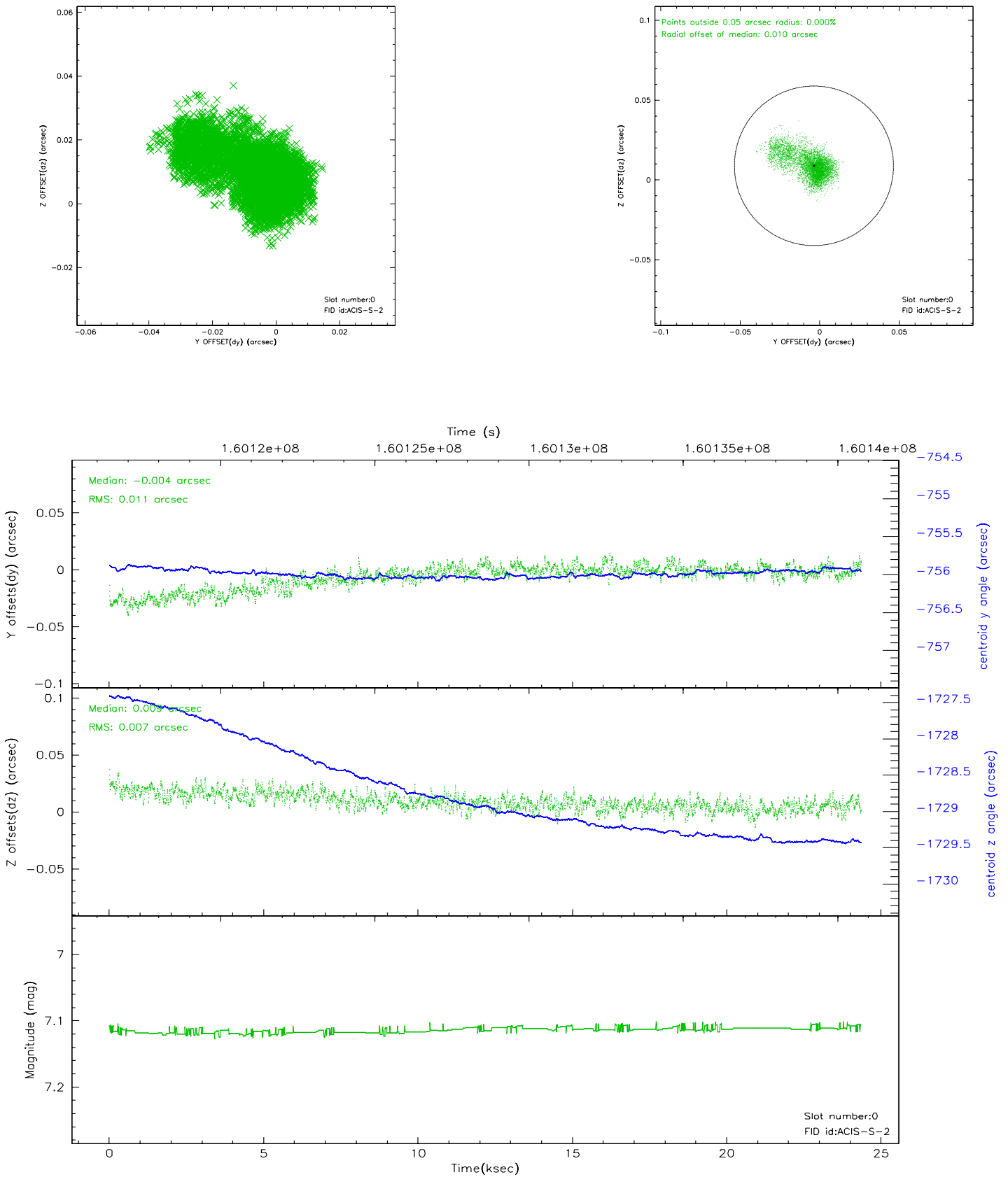


## 2.4.5 Slot 7

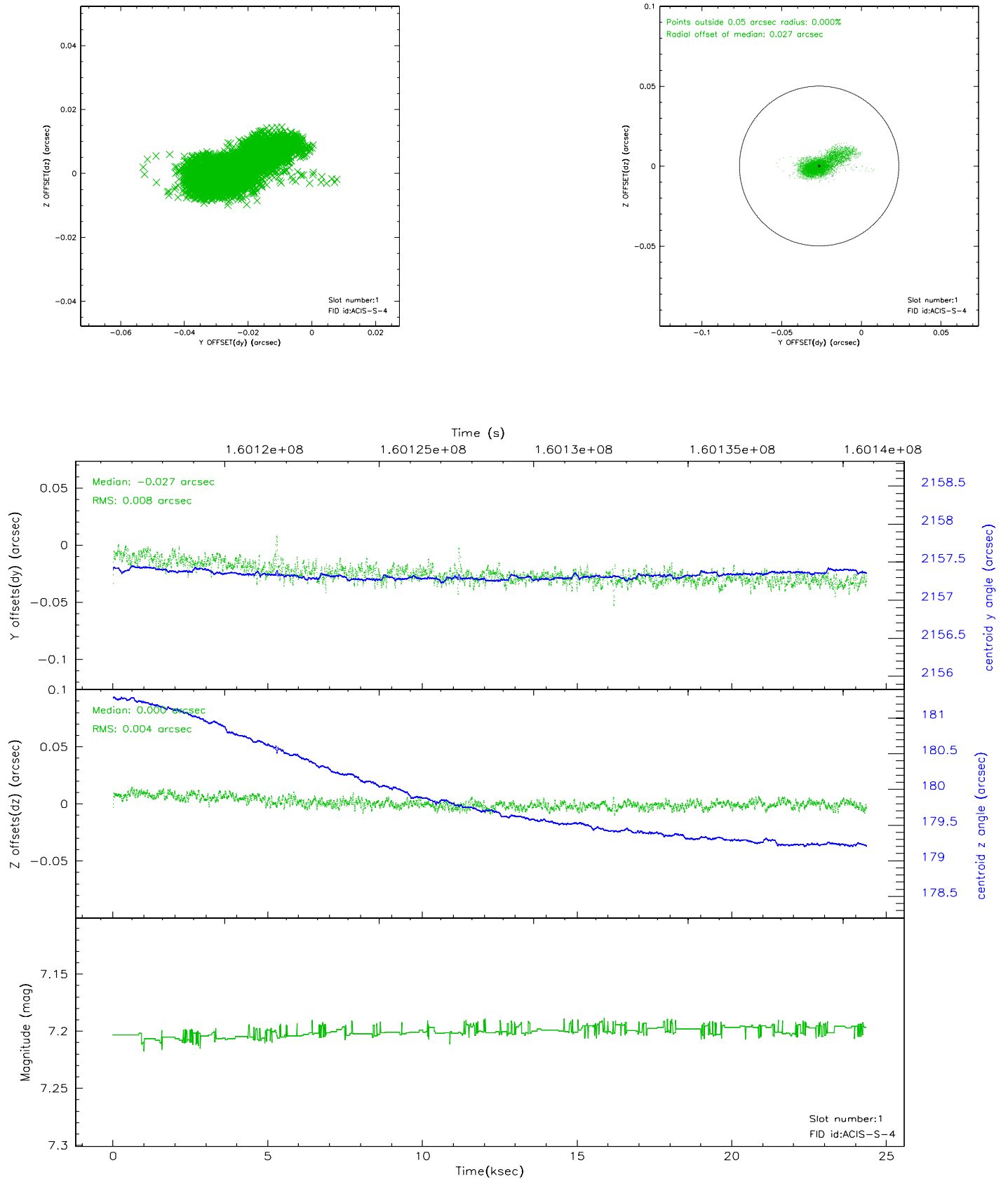


## 2.5 FID Slots

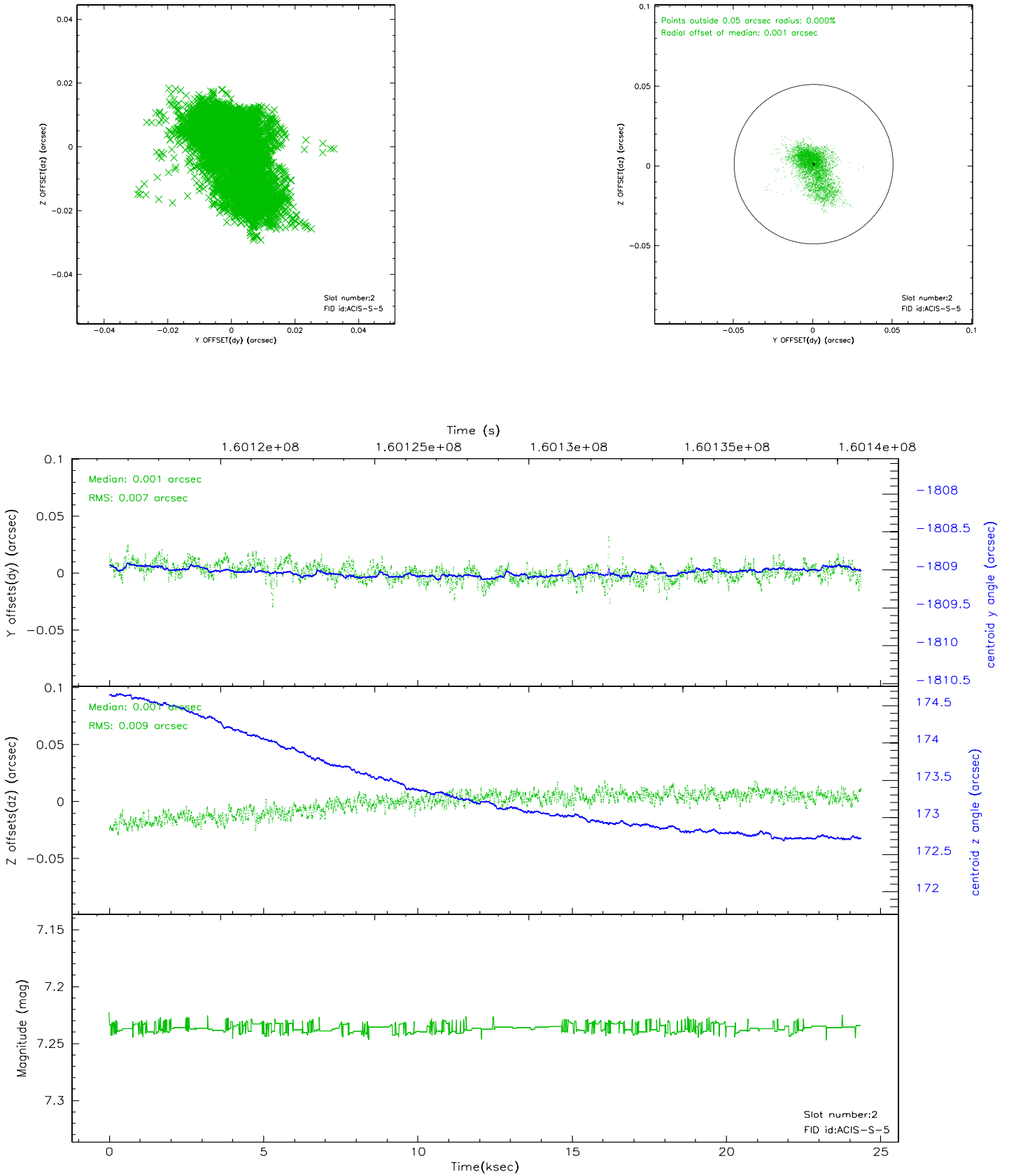
### 2.5.1 Slot 0



## 2.5.2 Slot 1

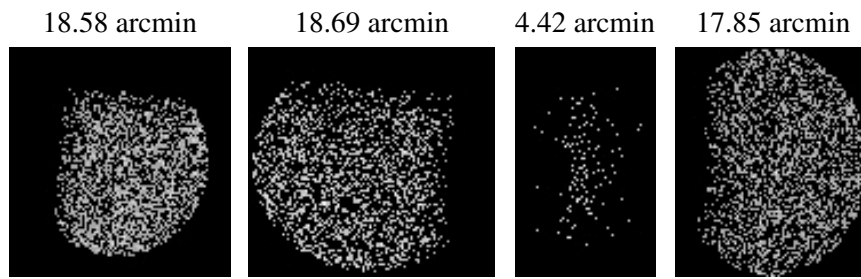


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.987

### A.2 Comments

Window constraint met.