

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5359 - L2 Version 001  
Chandra X-Ray Center

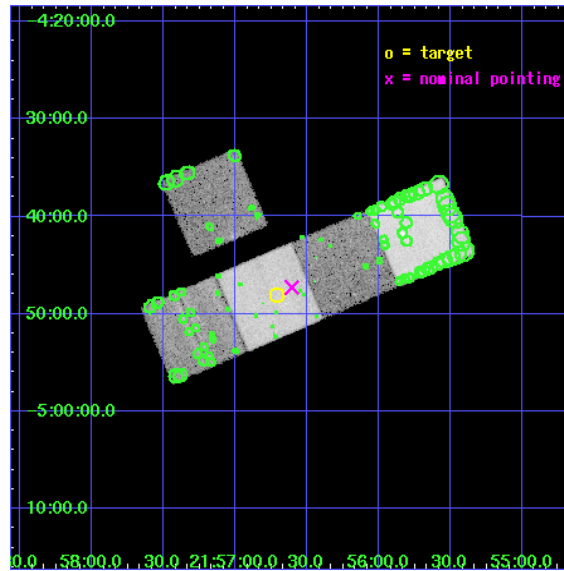
L2 Processing Date : Apr 24 2006

## 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

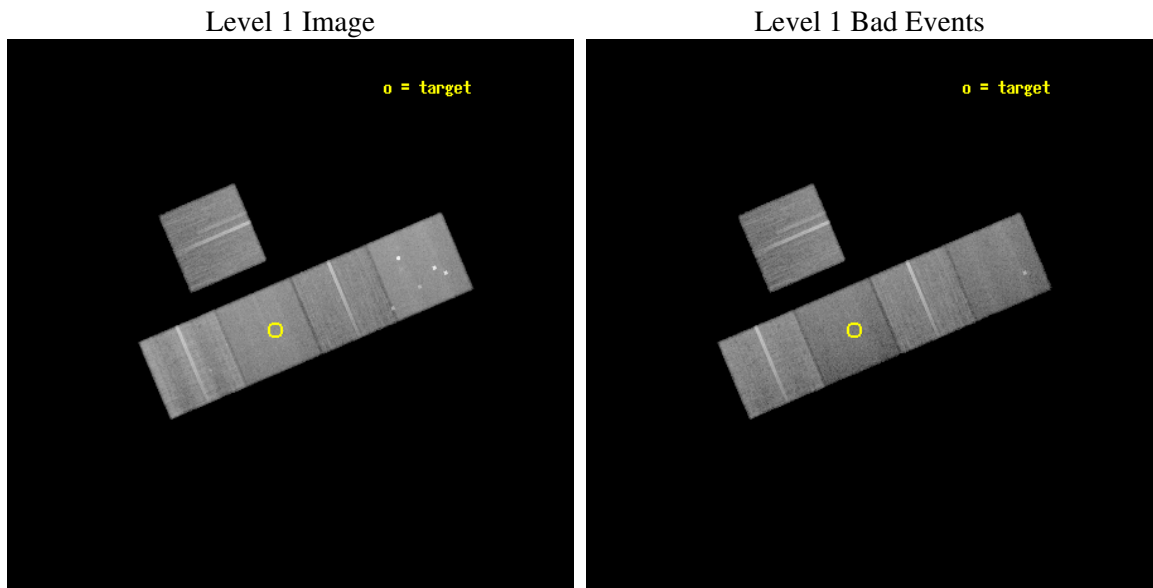
seq_num	800388
obs_id	5359
title	Continuation of a Chandra Survey of a Uniformly Selected Sample of High-Redshift Galaxy Clusters
observer	Professor Gordon Garmire
object	RCS2156.7-0448
dtcycle	0
cycle	P
ra_targ	329.177917
dec_targ	-4.801167
ra_nom	329.15182271399
dec_nom	-4.7882236478503
roll_nom	156.95725246987
revision	2
ontime	35160.199932396
livetime	34700.806035717
ontime3	35160.199932396
ontime5	35160.199932396
ontime6	35160.199932396
ontime7	35160.199932396
ontime8	35147.635991514
l2events	295978



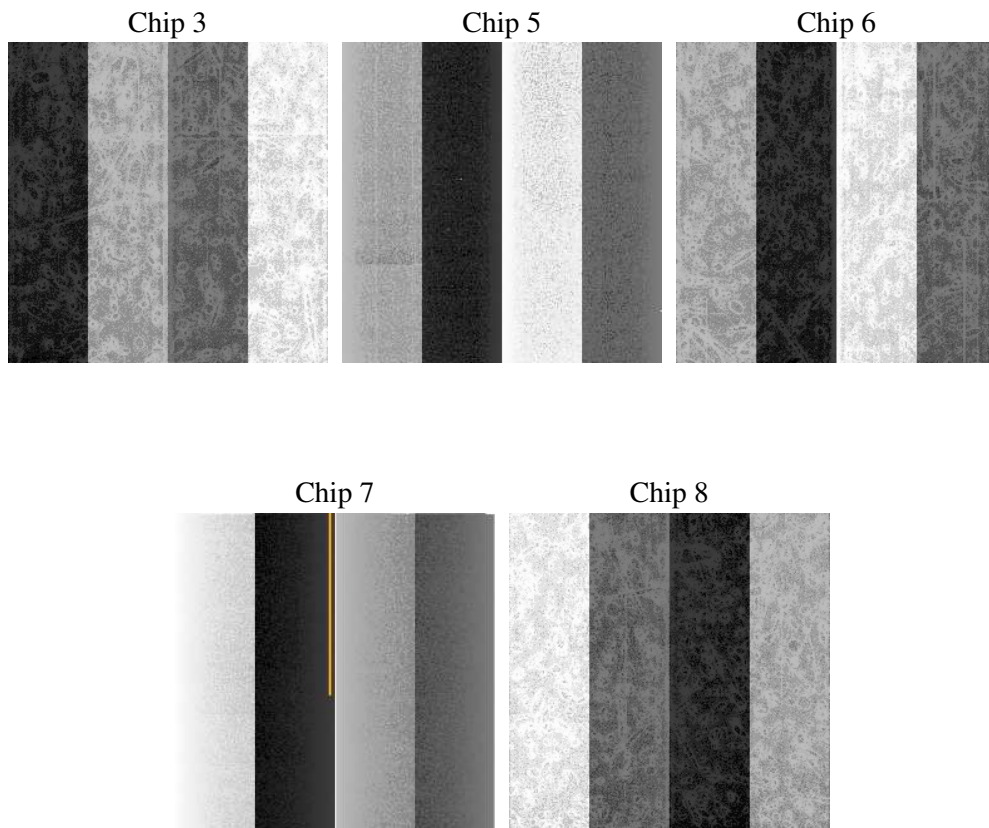
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-04-24T23:23:14
revision	2

sched_exp_time	35000.000000
ontime	36131.023787439
ontime3	36131.023787439
ontime5	36131.023787439
ontime6	36131.023787439
ontime7	36131.023787439
ontime8	36118.459846556
l1events	1330356

### 2.1.4 Events

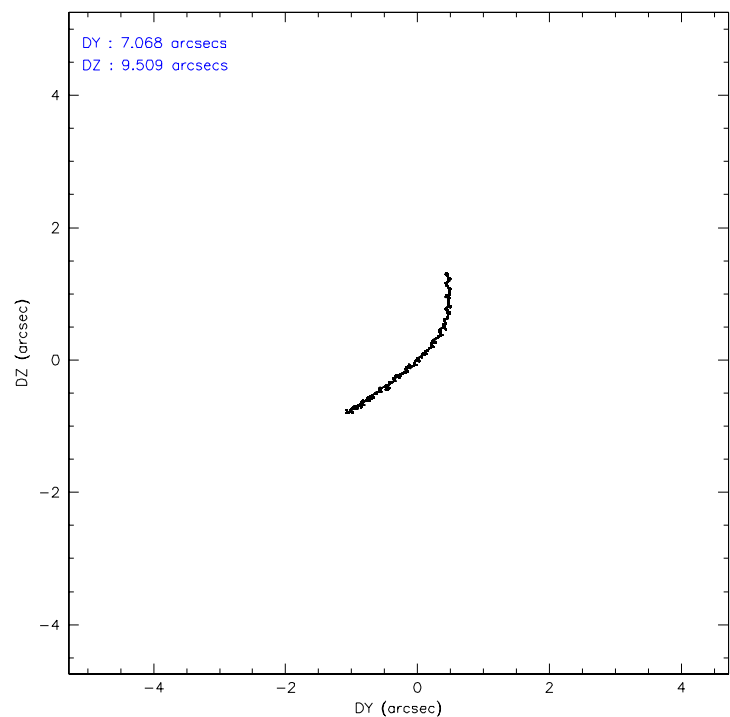
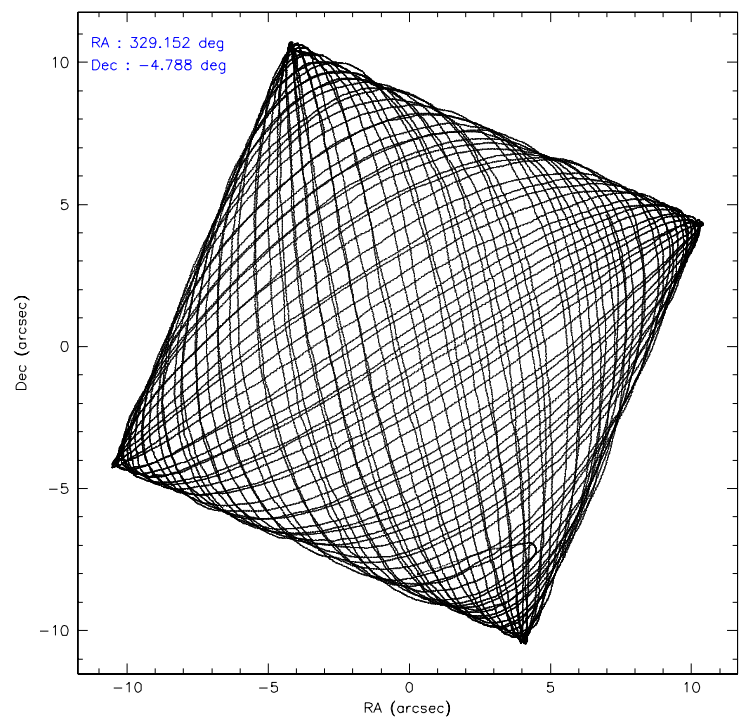
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	224507	315454	236876	247472	306047
rejected events	203771	164000	213717	147494	223775
rejected %	90%	51%	90%	59%	73%

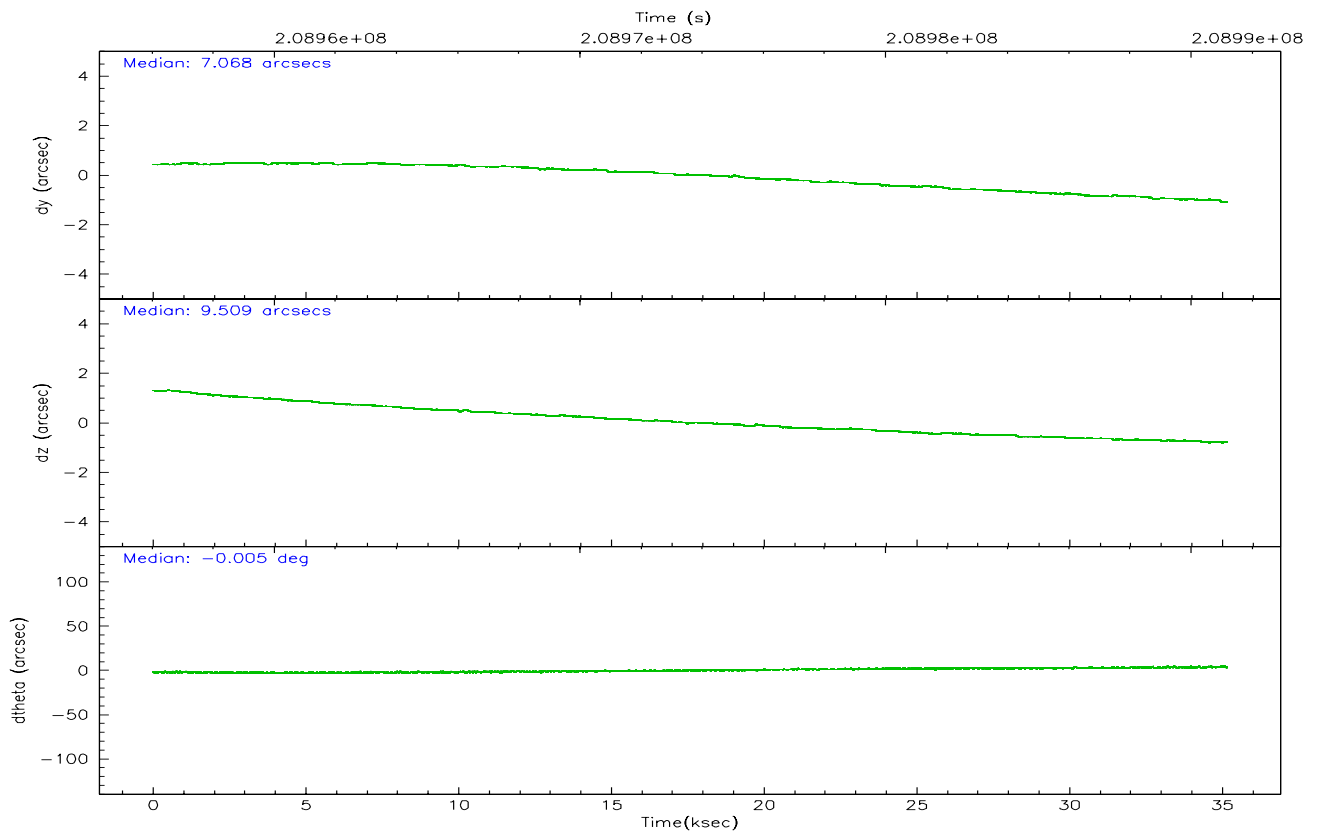
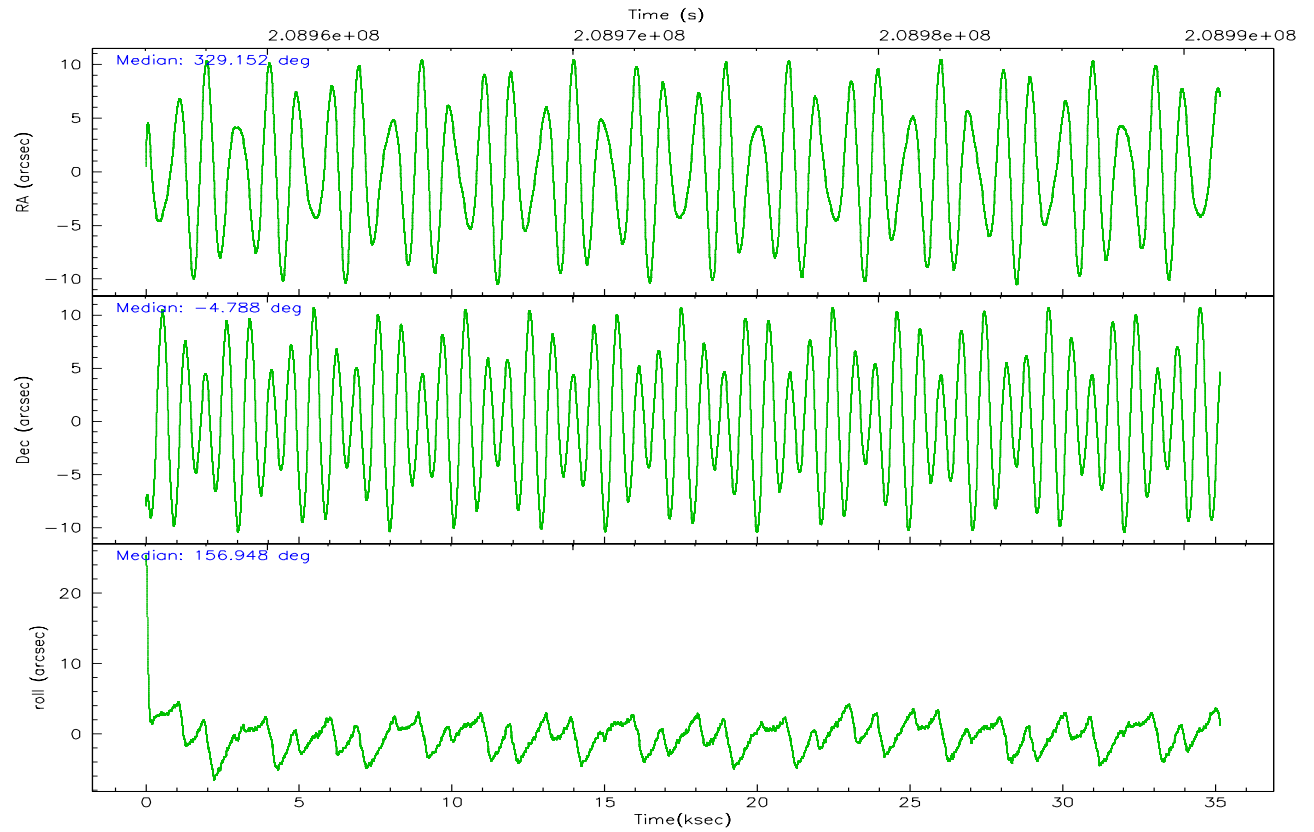
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7792	19629	8464	6028	27514
	3%	6%	3%	2%	8%
grade 1 events	119	139	103	129	286
	0%	0%	0%	0%	0%
grade 2 events	4499	46351	5163	25237	15521
	2%	14%	2%	10%	5%
grade 3 events	2435	4073	2651	6015	11509
	1%	1%	1%	2%	3%
grade 4 events	2411	3815	2609	5759	10508
	1%	1%	1%	2%	3%
grade 5 events	8702	16589	8978	18869	12913
	3%	5%	3%	7%	4%
grade 6 events	4166	81778	4898	59674	19444
	1%	25%	2%	24%	6%
grade 7 events	194383	143080	204010	125761	208352
	86%	45%	86%	50%	68%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	329.178882	329.1518227139863	Alternating exposures requested	N	N
Pointing Dec	-4.784535	-4.788223647850348	Primary exposure time	0.000000	3.1
Pointing Roll	156.802873	156.9572524698683			
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	208956191.184000	208954718.36341			
Observation start date	2004-08-15T11:22:07	2004-08-15T10:58:38			
Observation end time	208991191.184000	208992432.72759			
Observation end date	2004-08-15T21:05:27	2004-08-15T21:27:12			
Read mode	TIMED	TIMED			

## 2.3 Aspect





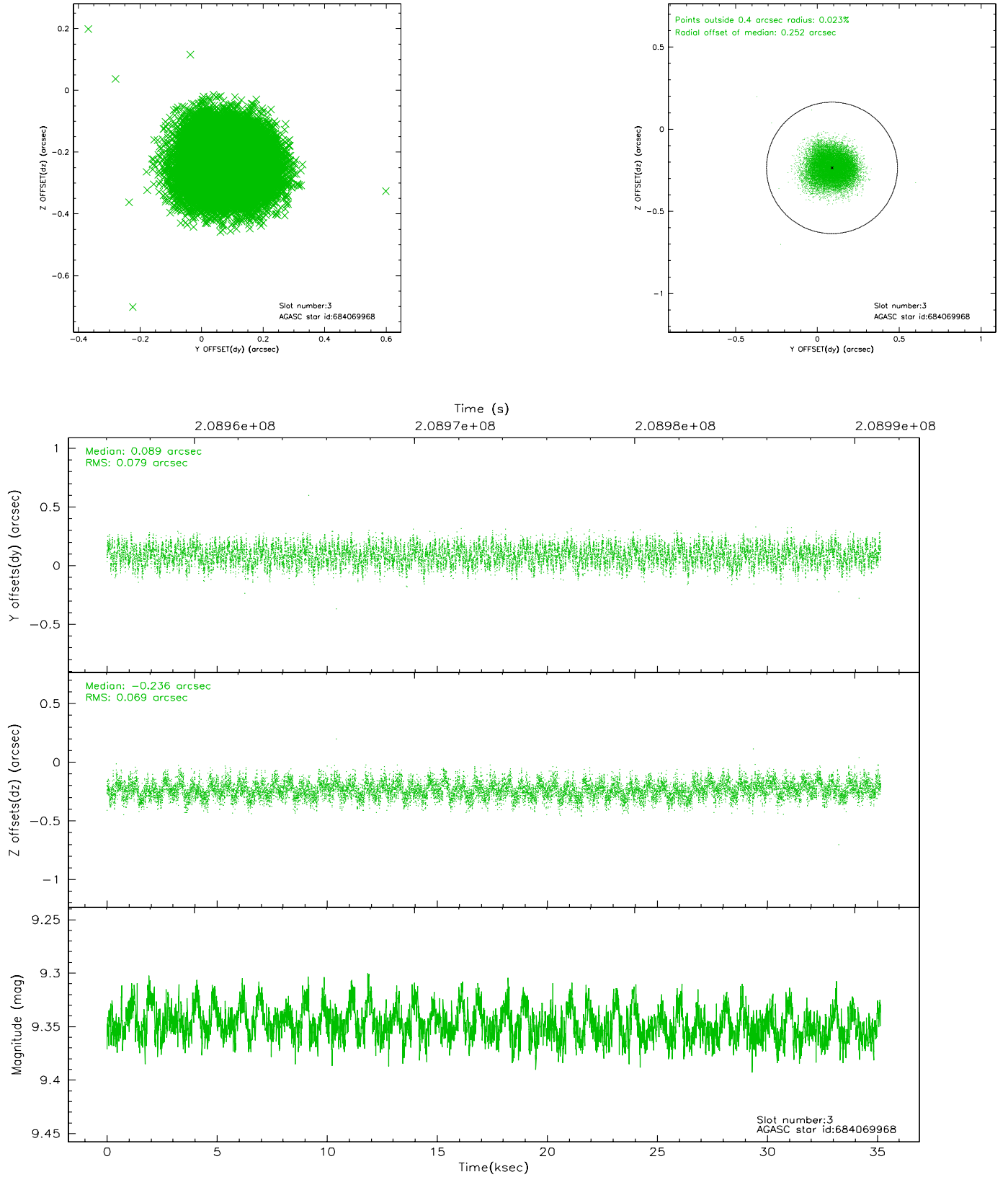
### Slot Statistics

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	8576	-0.036	-0.008	0.017	0.029	0.000000	0.000000	-759.75	-1730.80
1	FID	ACIS-S-4	7.20	8577	0.042	0.019	0.012	0.021	0.000000	0.000000	2153.57	177.70
2	FID	ACIS-S-5	7.23	8576	-0.038	-0.002	0.014	0.021	0.000000	0.000000	-1812.56	171.35
3	GUIDE	684069968	9.35	17148	0.089	-0.236	0.115	0.174	329.097555	-5.451643	-678.23	2322.15
4	GUIDE	684071968	8.44	17147	-0.190	0.246	0.064	0.104	328.900116	-4.224267	1714.56	-1458.62
5	GUIDE	684072512	8.37	17150	0.068	-0.020	0.067	0.108	329.504581	-5.204185	-1669.03	929.06
6	GUIDE	684072928	8.78	17140	0.047	-0.036	0.104	0.170	328.879561	-3.936284	2191.21	-2382.17
7	GUIDE	684072952	8.58	17145	-0.016	0.043	0.073	0.114	329.874004	-4.607653	-2041.94	-1566.99

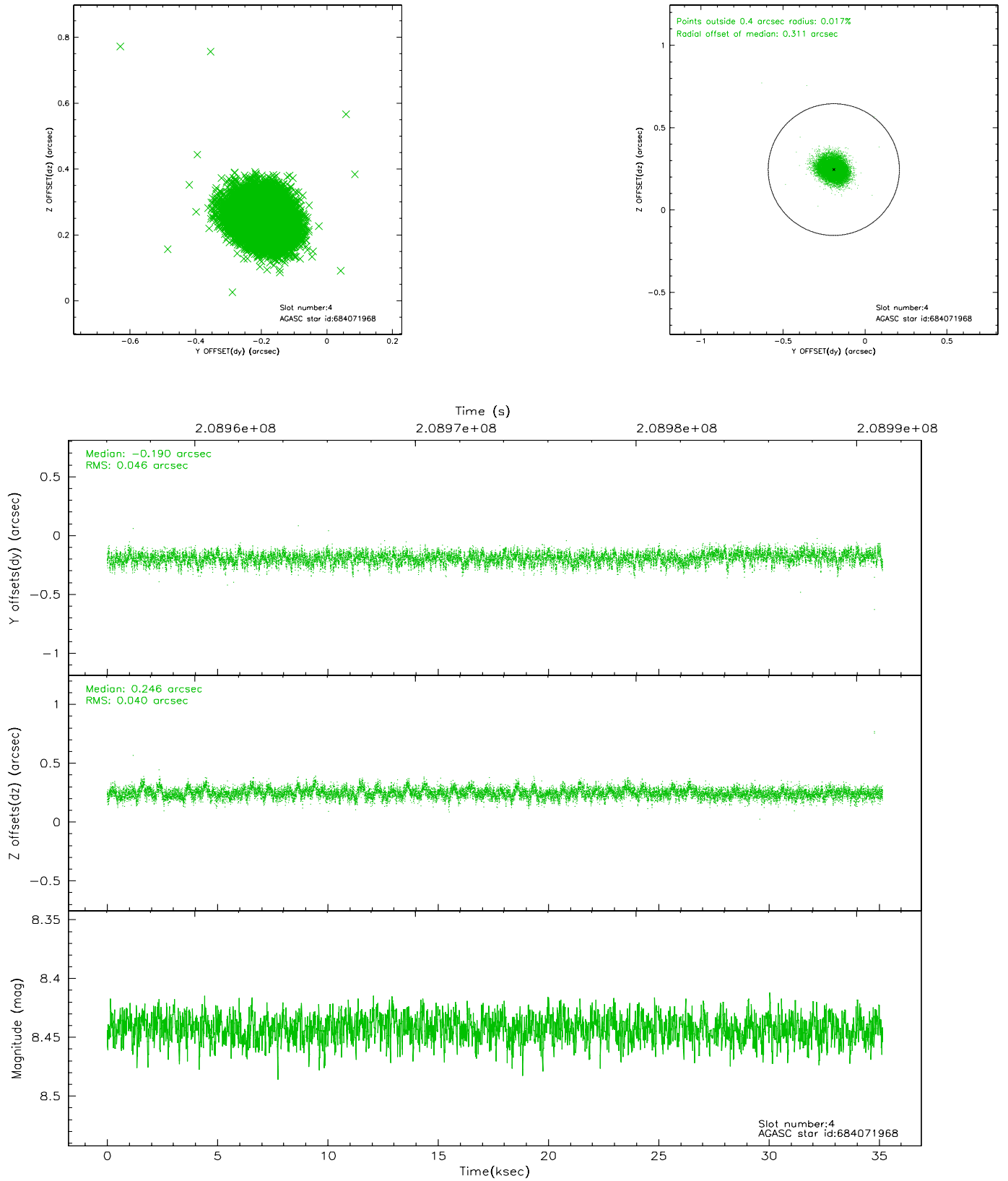


## 2.4 Star Slots

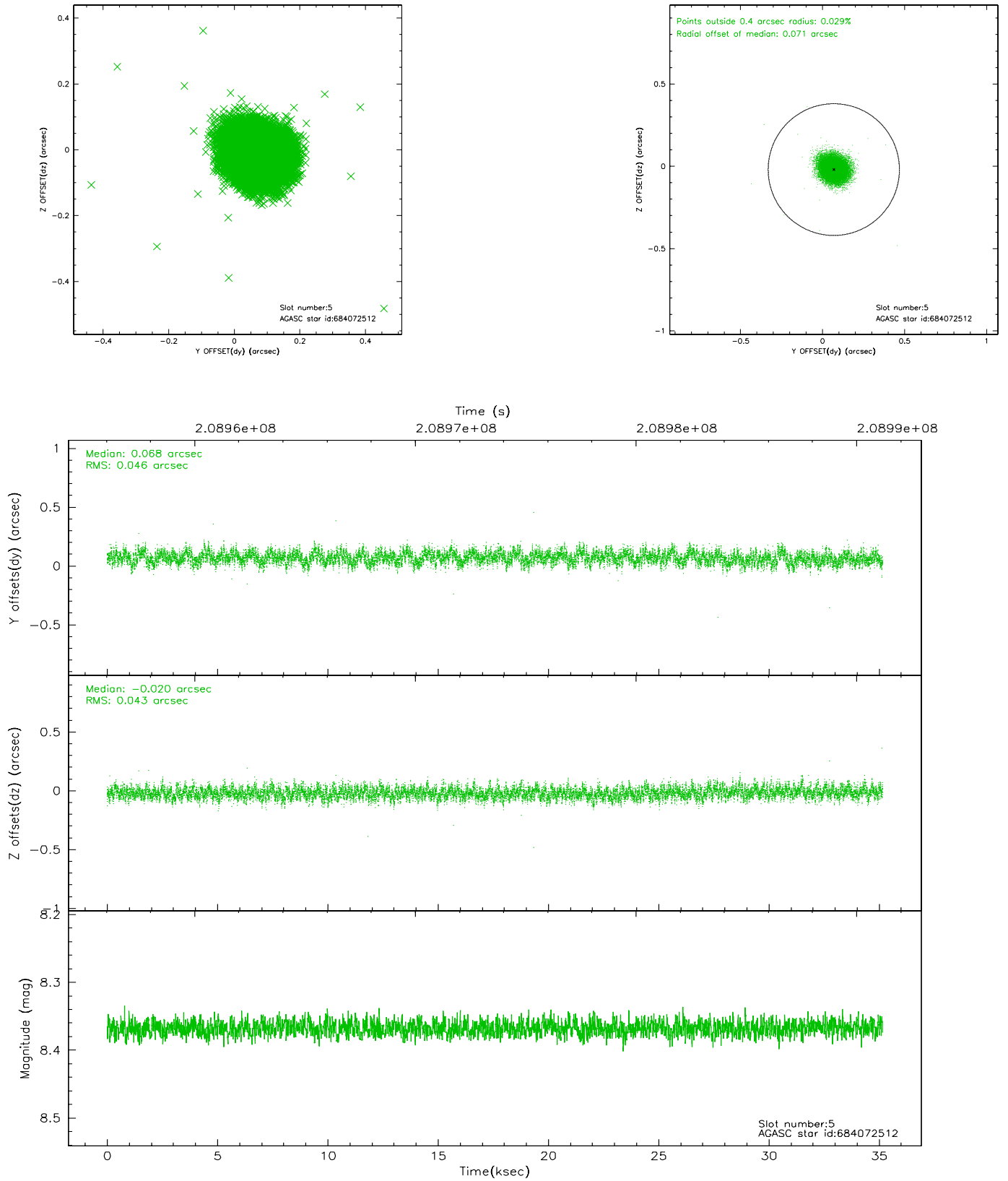
### 2.4.1 Slot 3



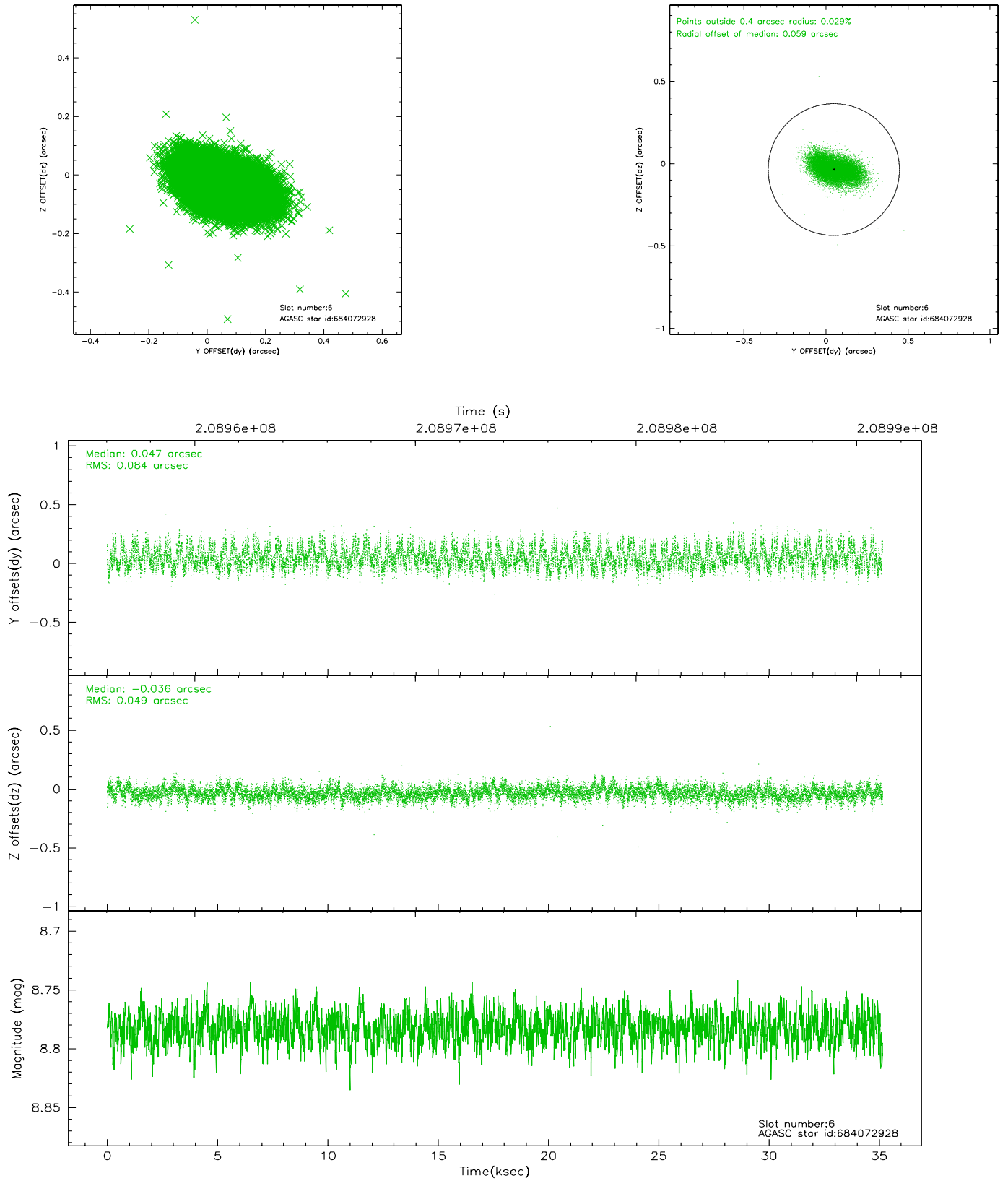
## 2.4.2 Slot 4



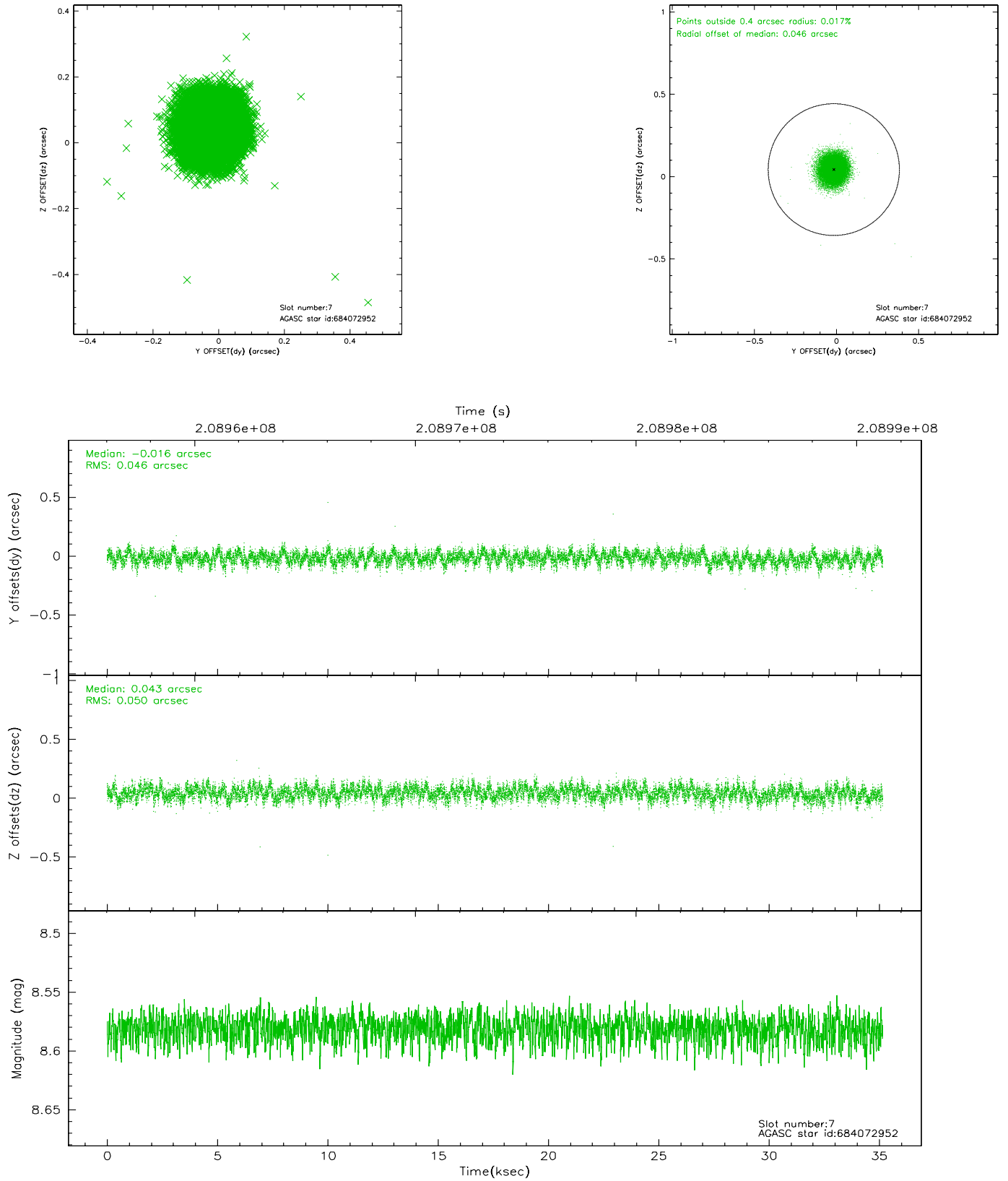
### 2.4.3 Slot 5



## 2.4.4 Slot 6

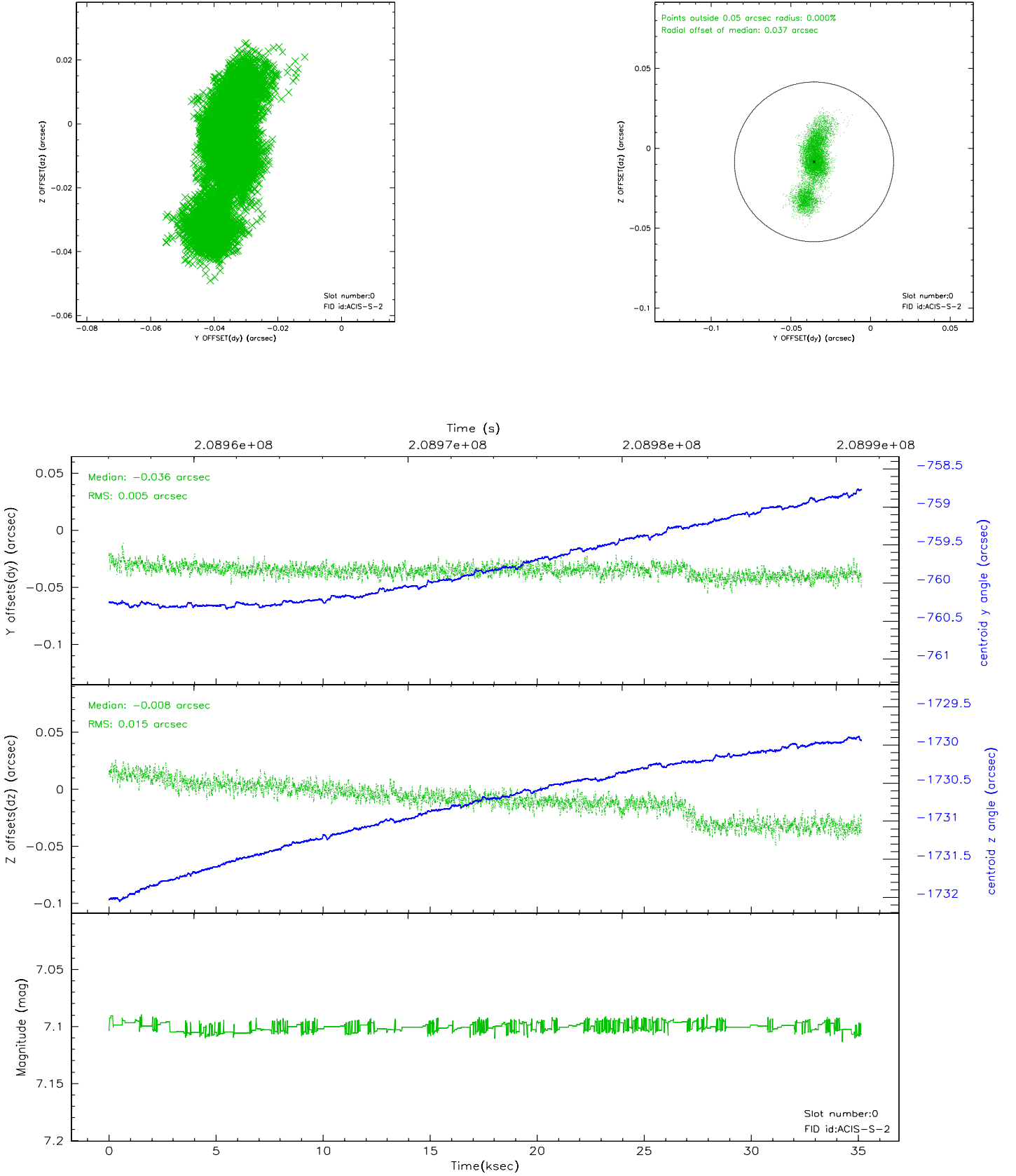


## 2.4.5 Slot 7

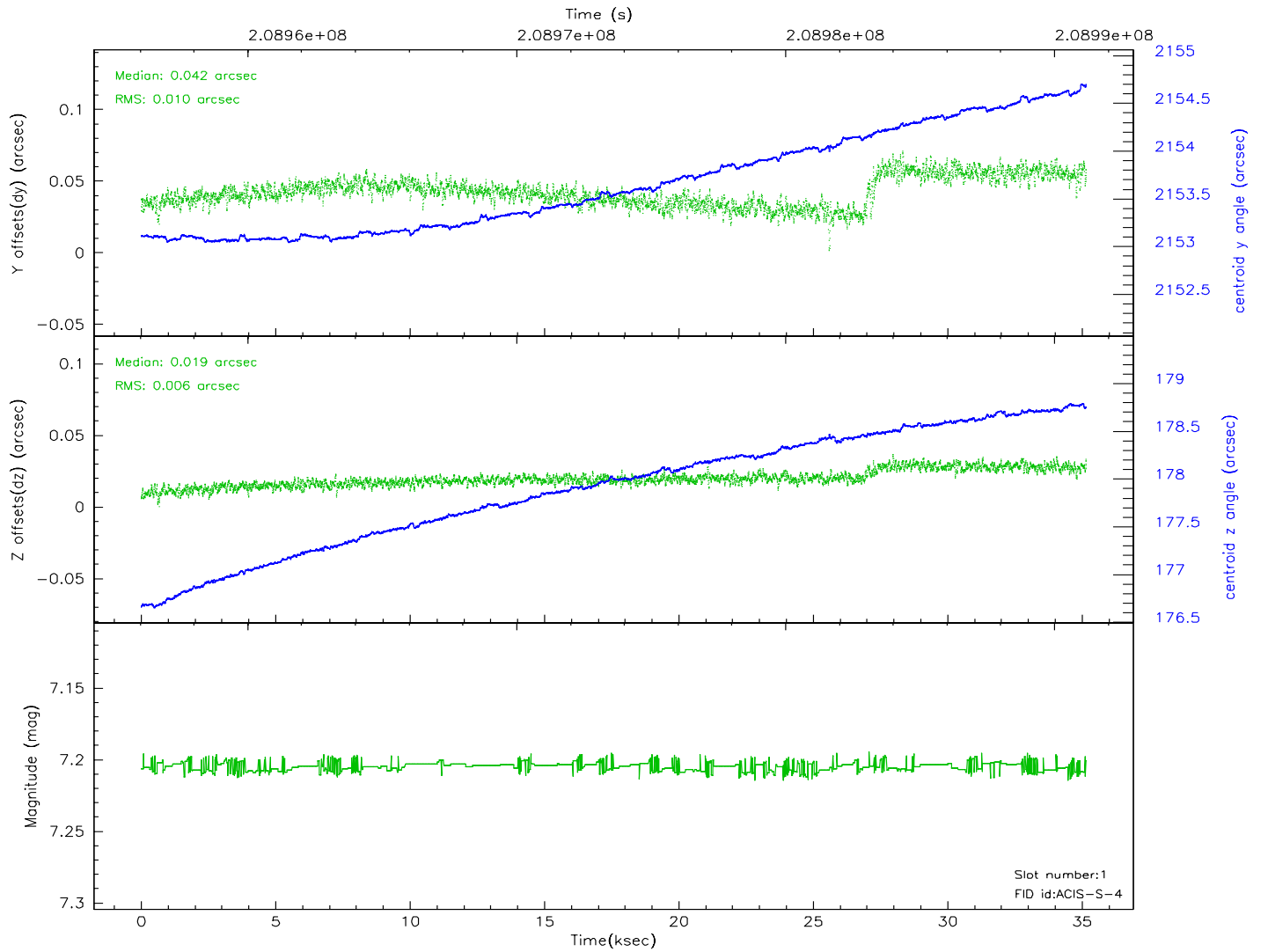
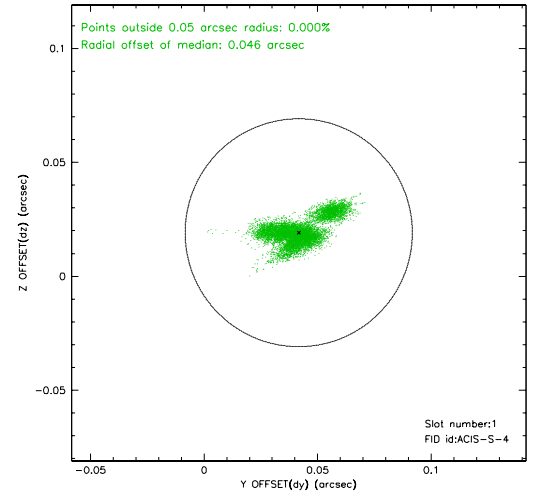
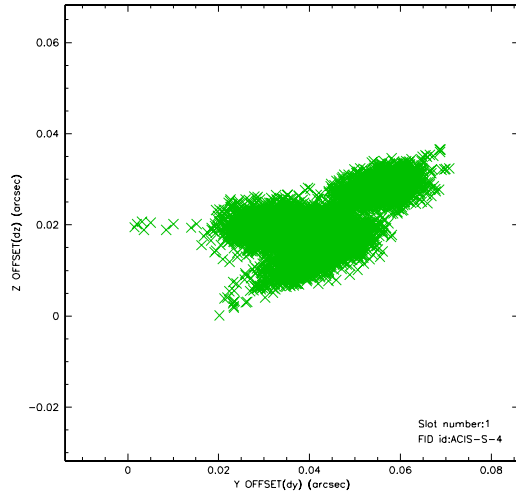


## 2.5 FID Slots

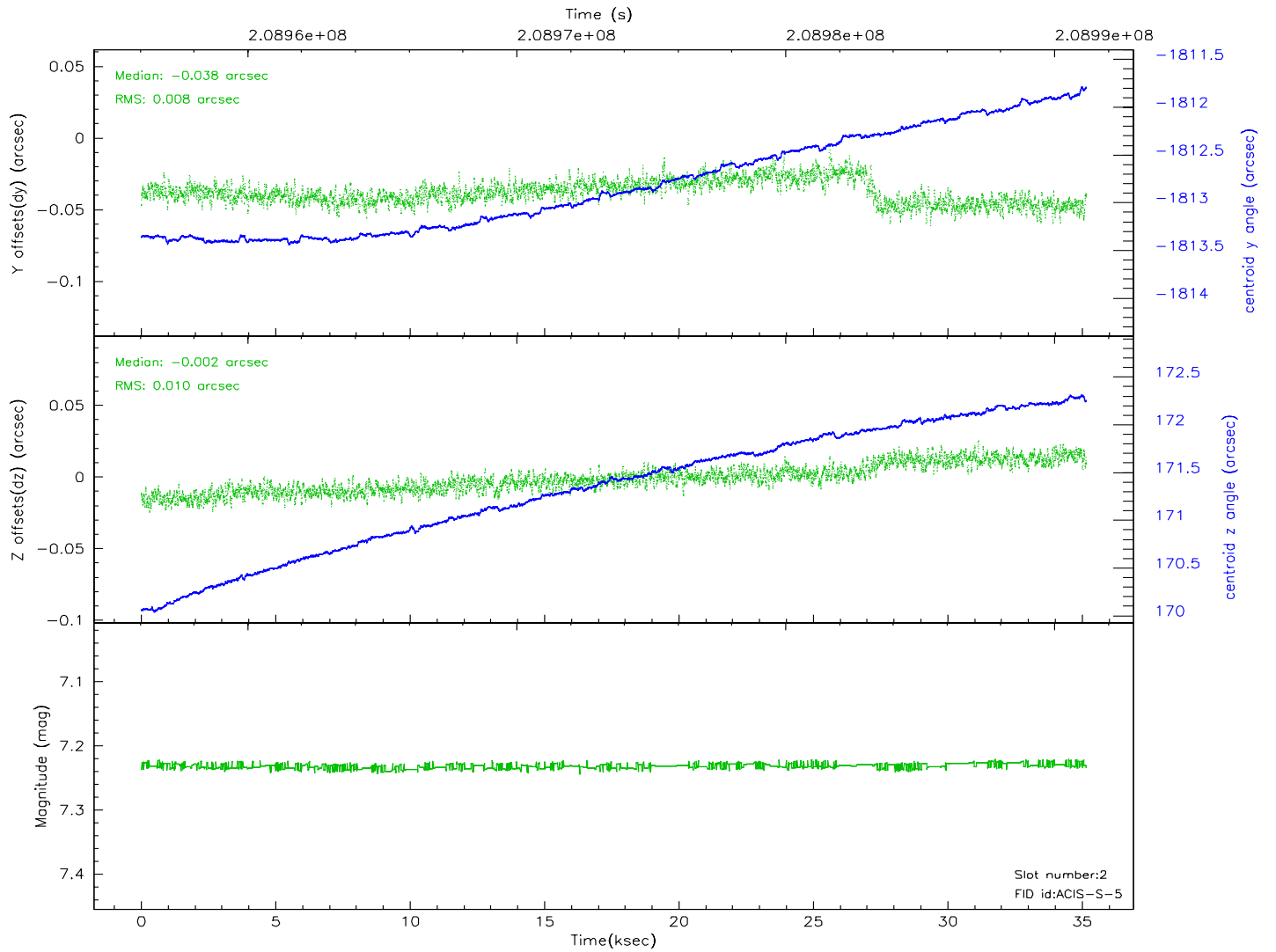
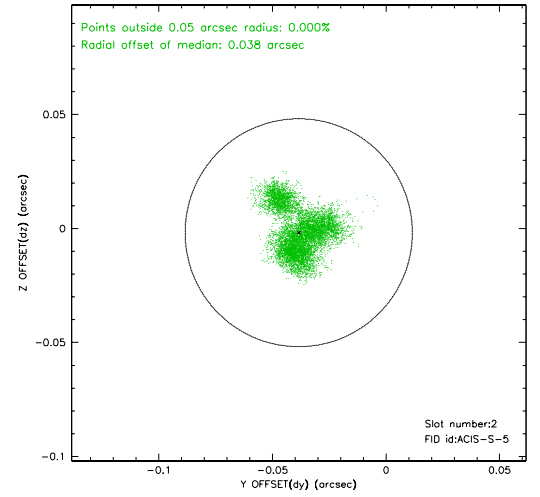
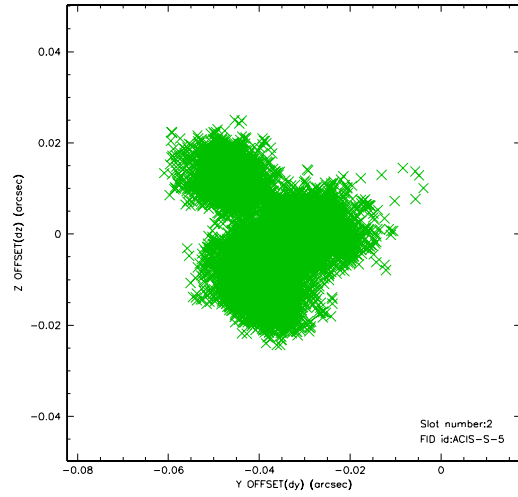
### 2.5.1 Slot 0



## 2.5.2 Slot 1

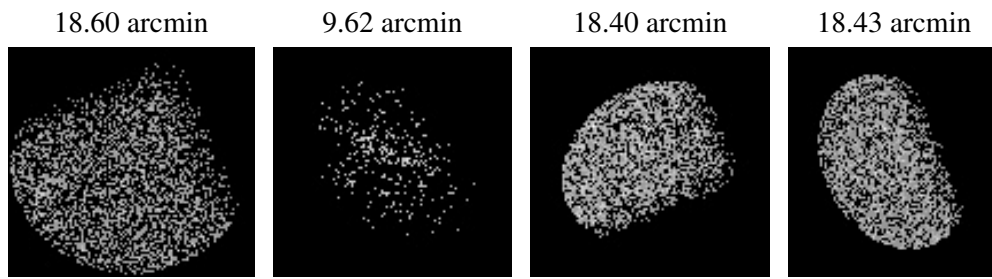


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.16

### A.2 Comments