

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4033 - L2 Version 001  
Chandra X-Ray Center

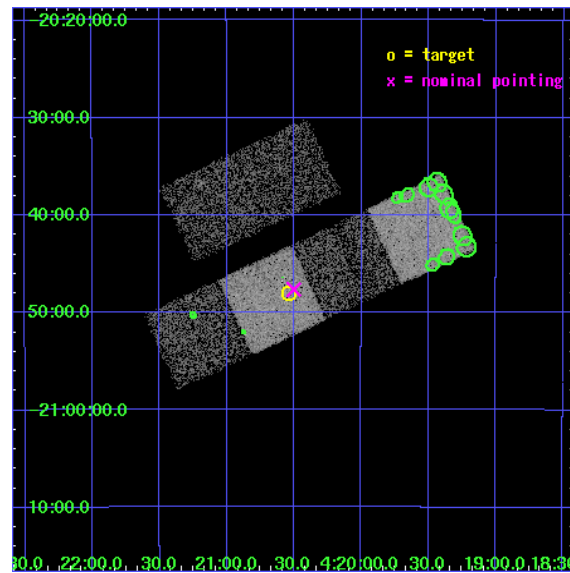
L2 Processing Date : Aug 7 2006

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# 1 Front

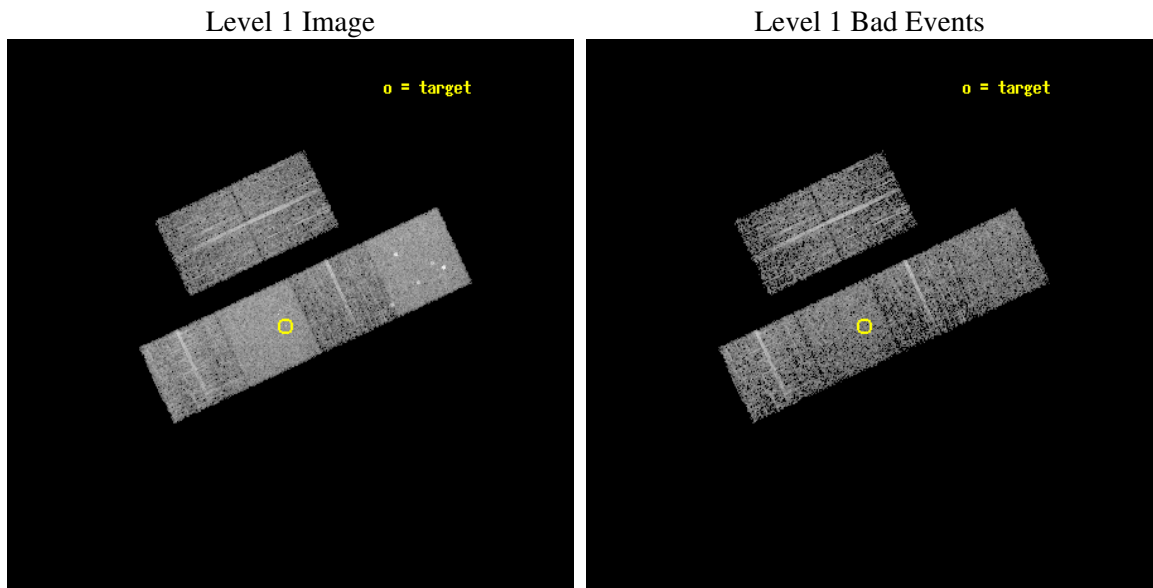
seq_num	700712
obs_id	4033
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?
observer	Dr. BELINDA WILKES
object	2MASS042032-204759
dtcycle	0
cycle	P
ra_targ	65.13375
dec_targ	-20.799778
ra_nom	65.125305019846
dec_nom	-20.794149695442
roll_nom	154.98360433256
revision	2
ontime	4454.3999834061
livetime	4397.9956886985
ontime2	4453.9233046472
ontime3	4454.3999834061
ontime5	4454.3999834061
ontime6	4454.3999834061
ontime7	4454.3999834061
ontime8	4454.3999834061
l2events	50486



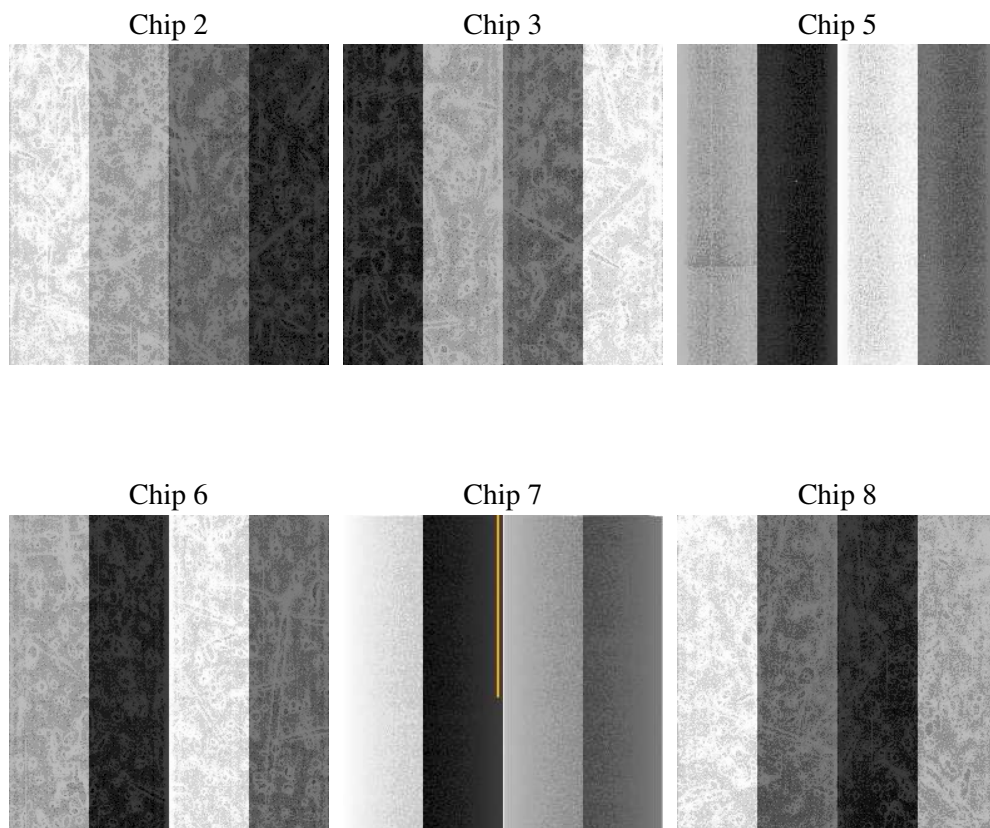
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-07T02:15:41
revision	2

sched_exp_time	4478.000000
ontime	4459.6165596545
ontime2	4456.3755495548
ontime3	4459.6165397167
ontime5	4459.6165596545
ontime6	4459.6165397167
ontime7	4459.6165596545
ontime8	4459.6165596545
l1events	201786

### 2.1.4 Events

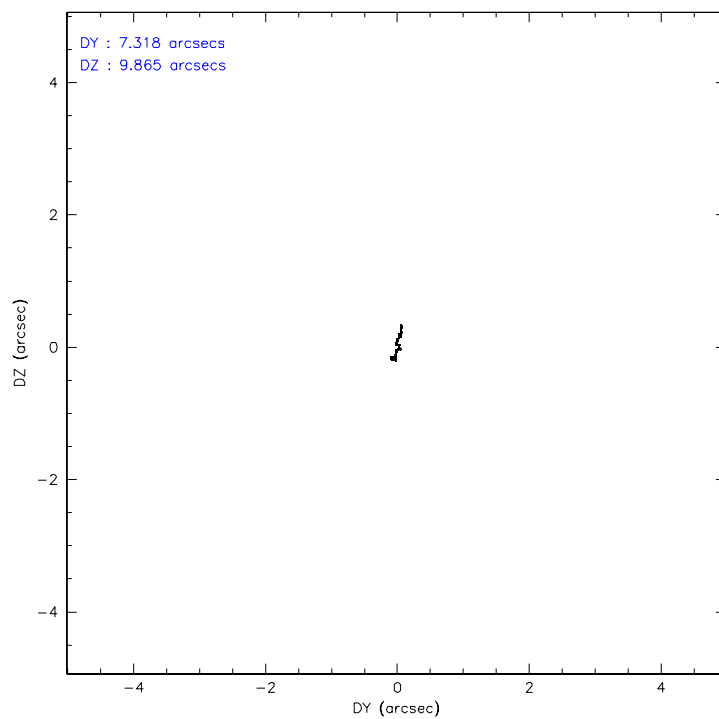
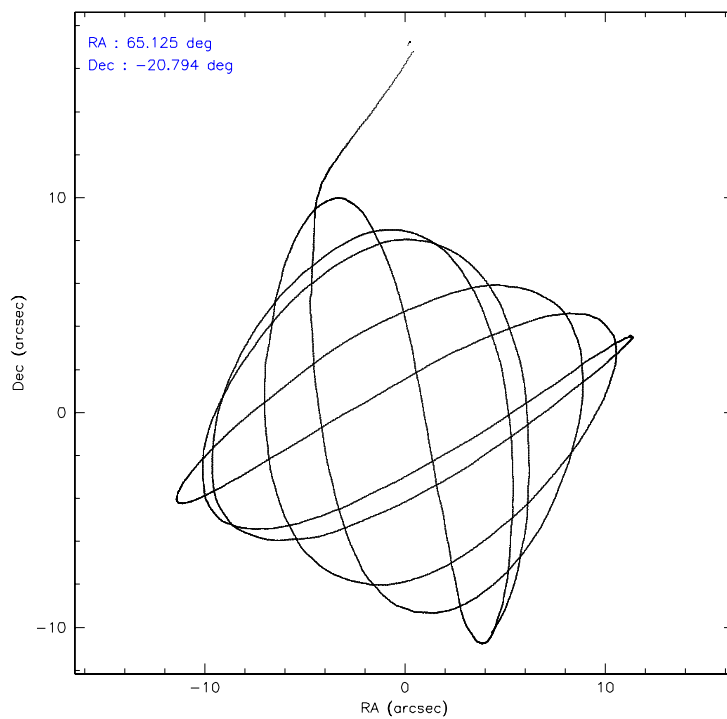
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26942	25994	45009	26959	41170	35712
rejected events	23442	22565	23069	23079	23241	27262
rejected %	87%	86%	51%	85%	56%	76%

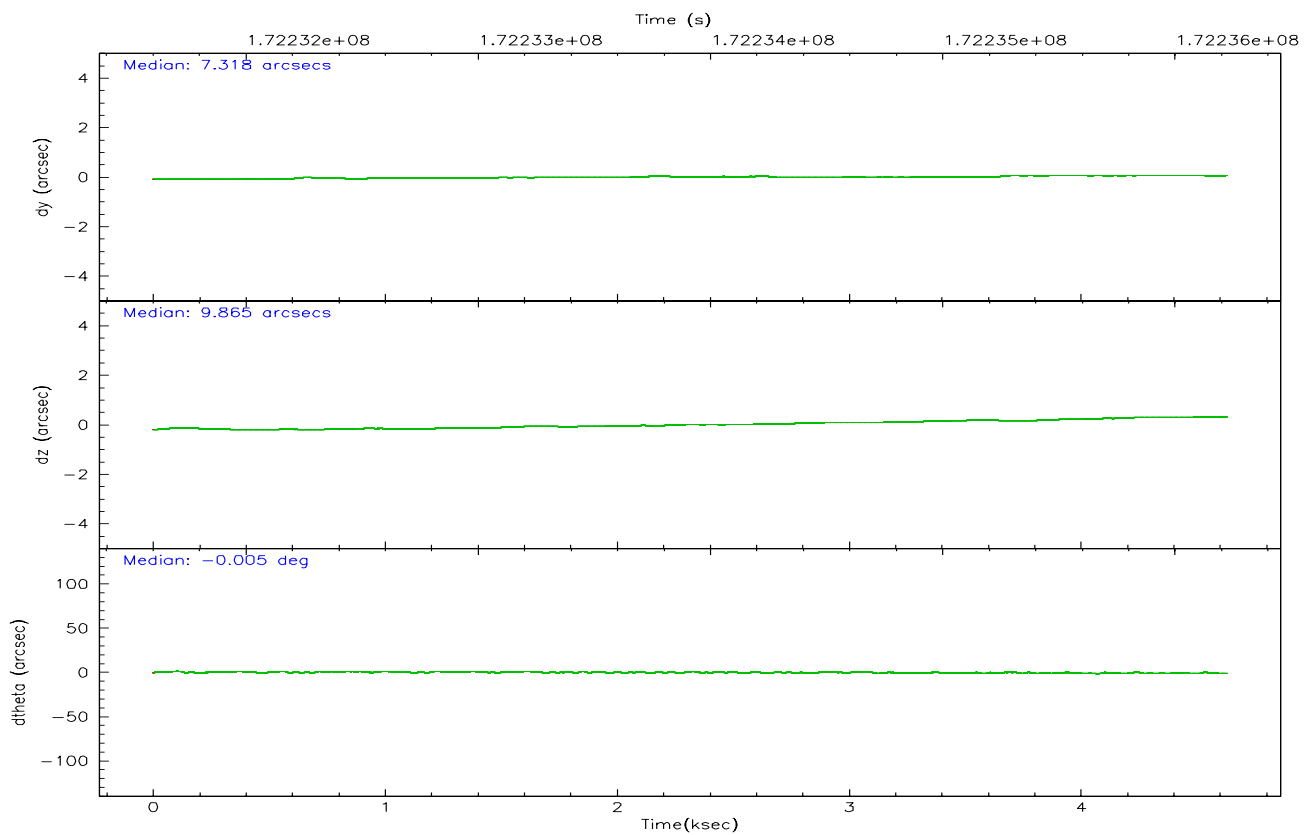
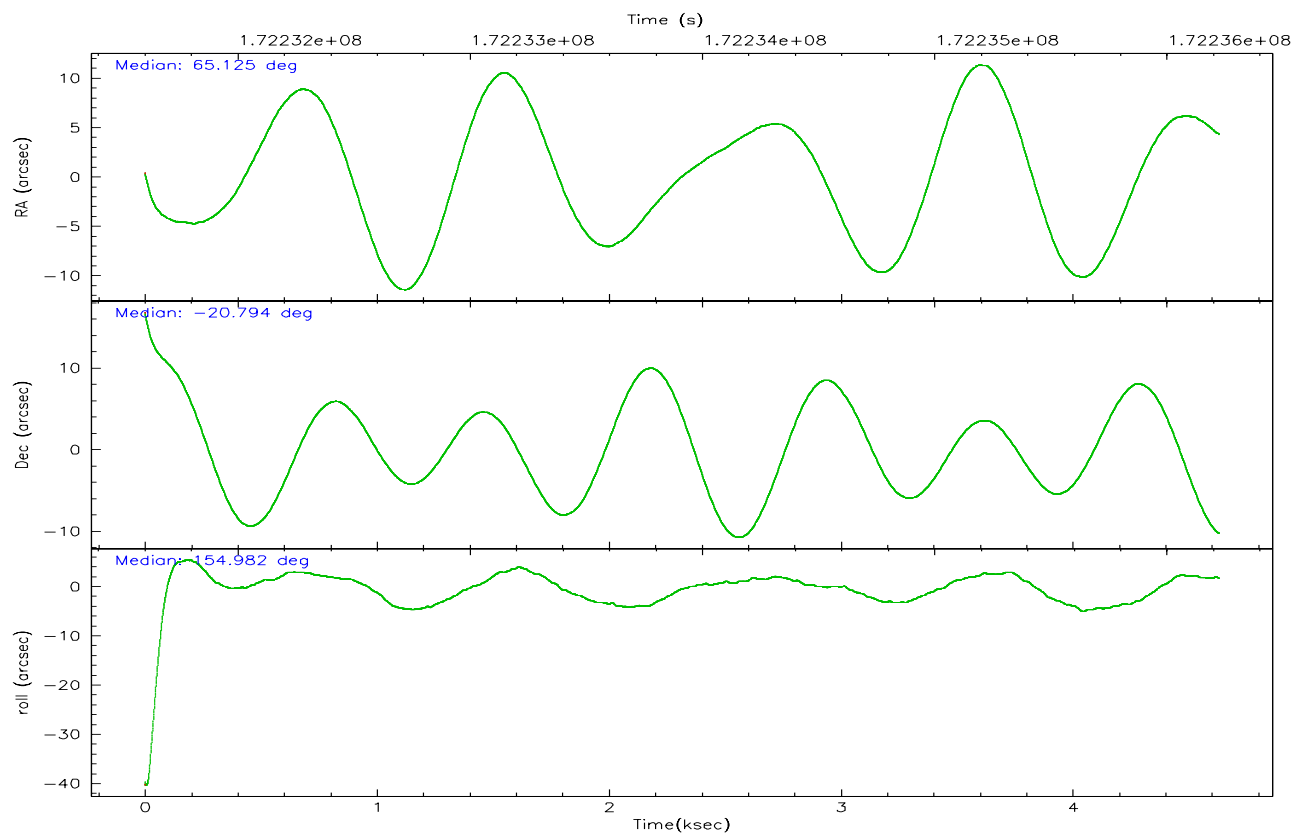
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1684	1631	2743	1840	1296	2917
	6%	6%	6%	6%	3%	8%
grade 1 events	16	18	106	18	25	25
	0%	0%	0%	0%	0%	0%
grade 2 events	629	634	6670	750	4202	1795
	2%	2%	14%	2%	10%	5%
grade 3 events	308	334	525	291	943	844
	1%	1%	1%	1%	2%	2%
grade 4 events	325	328	530	317	924	779
	1%	1%	1%	1%	2%	2%
grade 5 events	1028	1187	1959	1227	2569	1623
	3%	4%	4%	4%	6%	4%
grade 6 events	555	506	11498	687	10574	2121
	2%	1%	25%	2%	25%	5%
grade 7 events	22397	21356	20978	21829	20637	25608
	83%	82%	46%	80%	50%	71%

## 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	65.154268	65.12530501984648	Alternating exposures requested	N	N
Pointing Dec	-20.791482	-20.79414969544177	Primary exposure time	0.000000	3.2
Pointing Roll	154.837402	154.9836043325643			
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	172231752.184000	172230653.40196			
Observation start date	2003-06-17T10:08:08	2003-06-17T09:50:53			
Observation end time	172236230.184000	172236629.15222			
Observation end date	2003-06-17T11:22:46	2003-06-17T11:30:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect





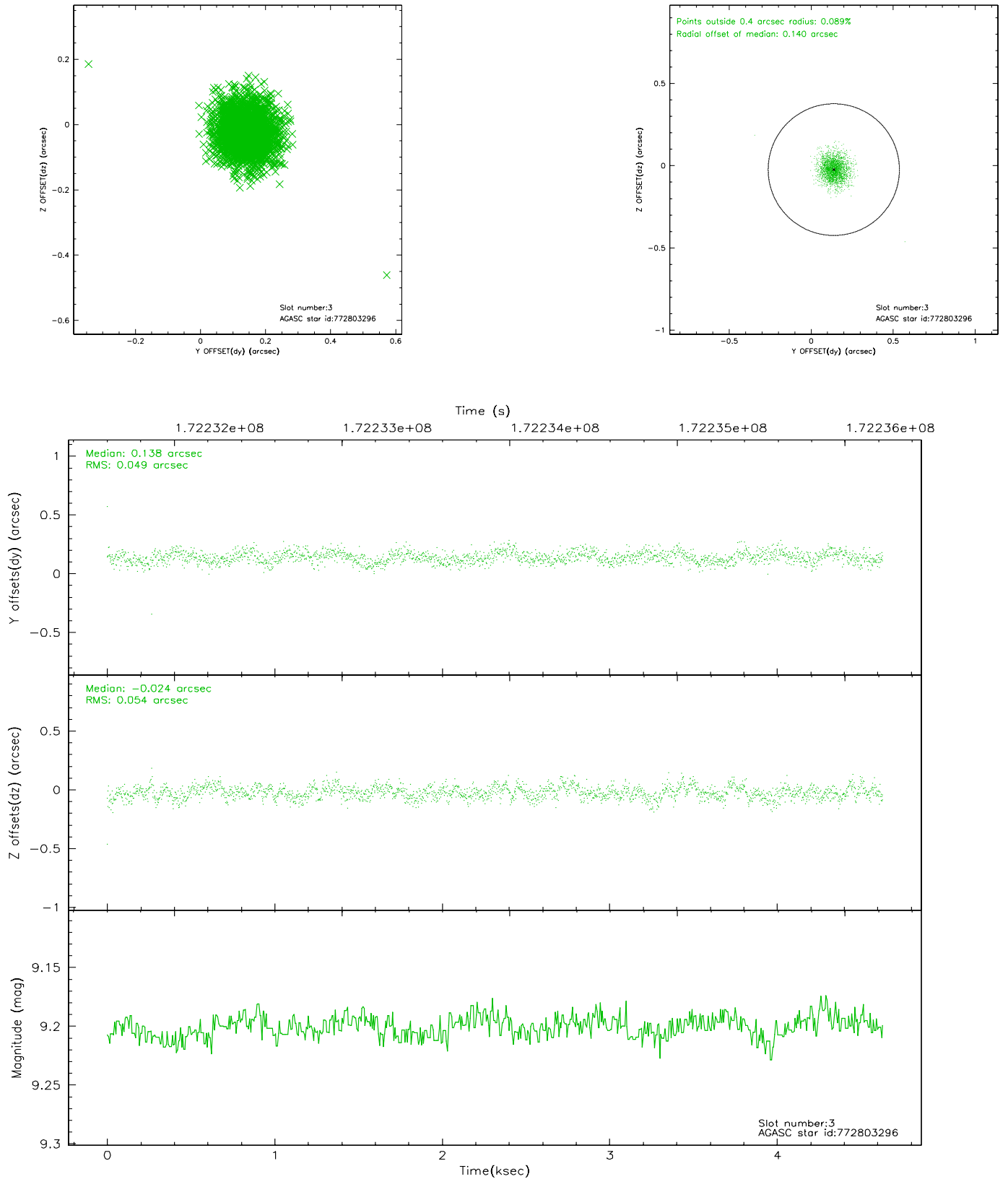
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.35	1130	-0.027	0.006	0.008	0.013	0.000000	0.000000	-760.07	-1731.13
1	FID	ACIS-S-4	7.20	1130	0.007	0.012	0.005	0.009	0.000000	0.000000	2152.60	176.04
2	FID	ACIS-S-5	7.23	1130	-0.011	-0.009	0.007	0.012	0.000000	0.000000	-1811.22	171.12
3	GUIDE	772803296	9.20	2258	0.138	-0.024	0.075	0.124	65.718496	-20.757498	-1668.36	-914.97
4	GUIDE	772811408	9.21	2259	-0.016	-0.147	0.068	0.112	64.611570	-20.749623	1716.12	643.55
5	GUIDE	772812936	8.40	2260	-0.027	0.084	0.058	0.094	65.316084	-20.190591	425.73	-2188.56
6	GUIDE	772813912	9.17	2259	-0.164	0.067	0.078	0.126	64.663698	-20.325697	2211.07	-811.66
7	GUIDE	772800608	8.34	2259	0.071	0.019	0.061	0.099	65.998239	-20.588452	-2265.51	-1864.17

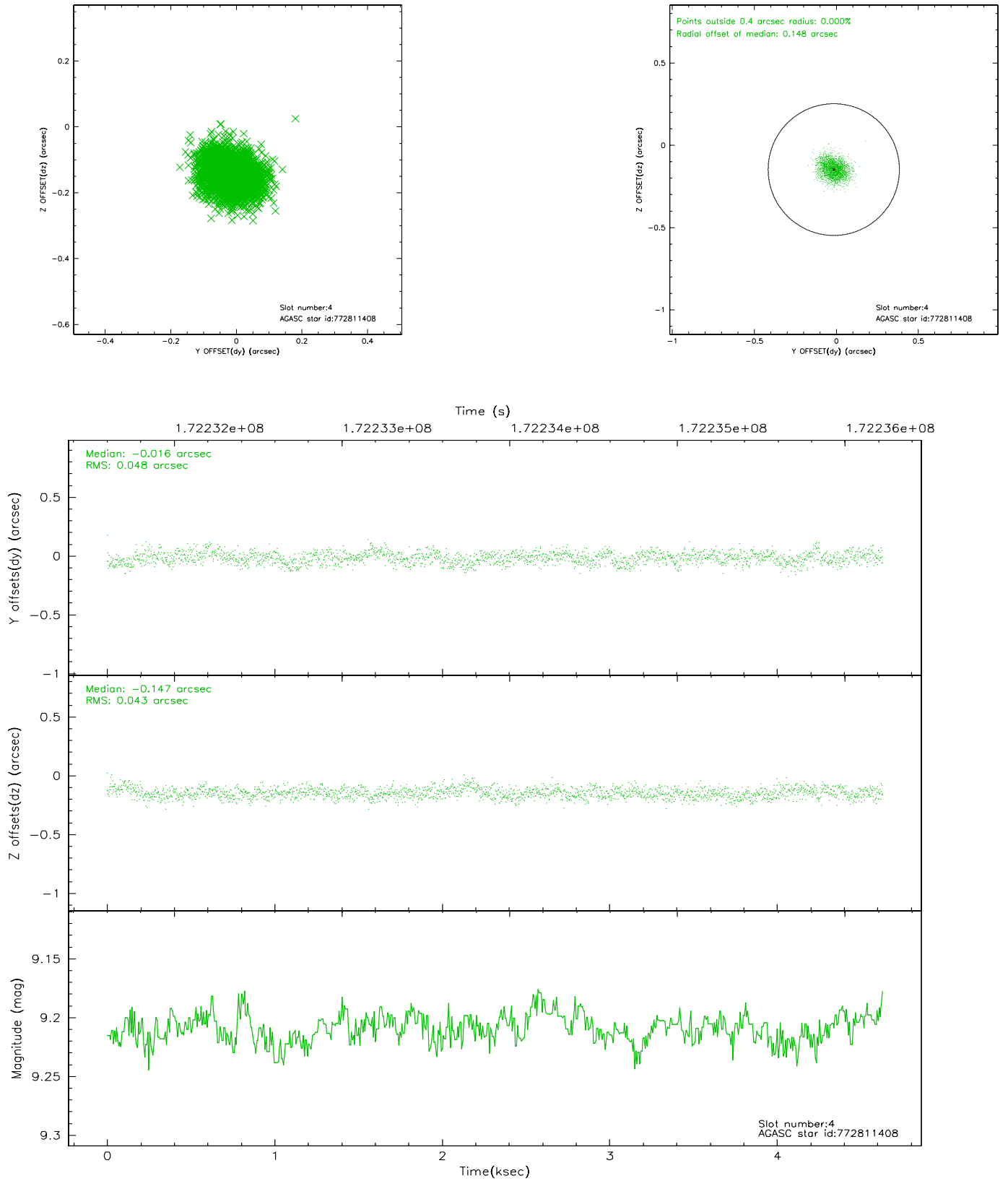


## 2.4 Star Slots

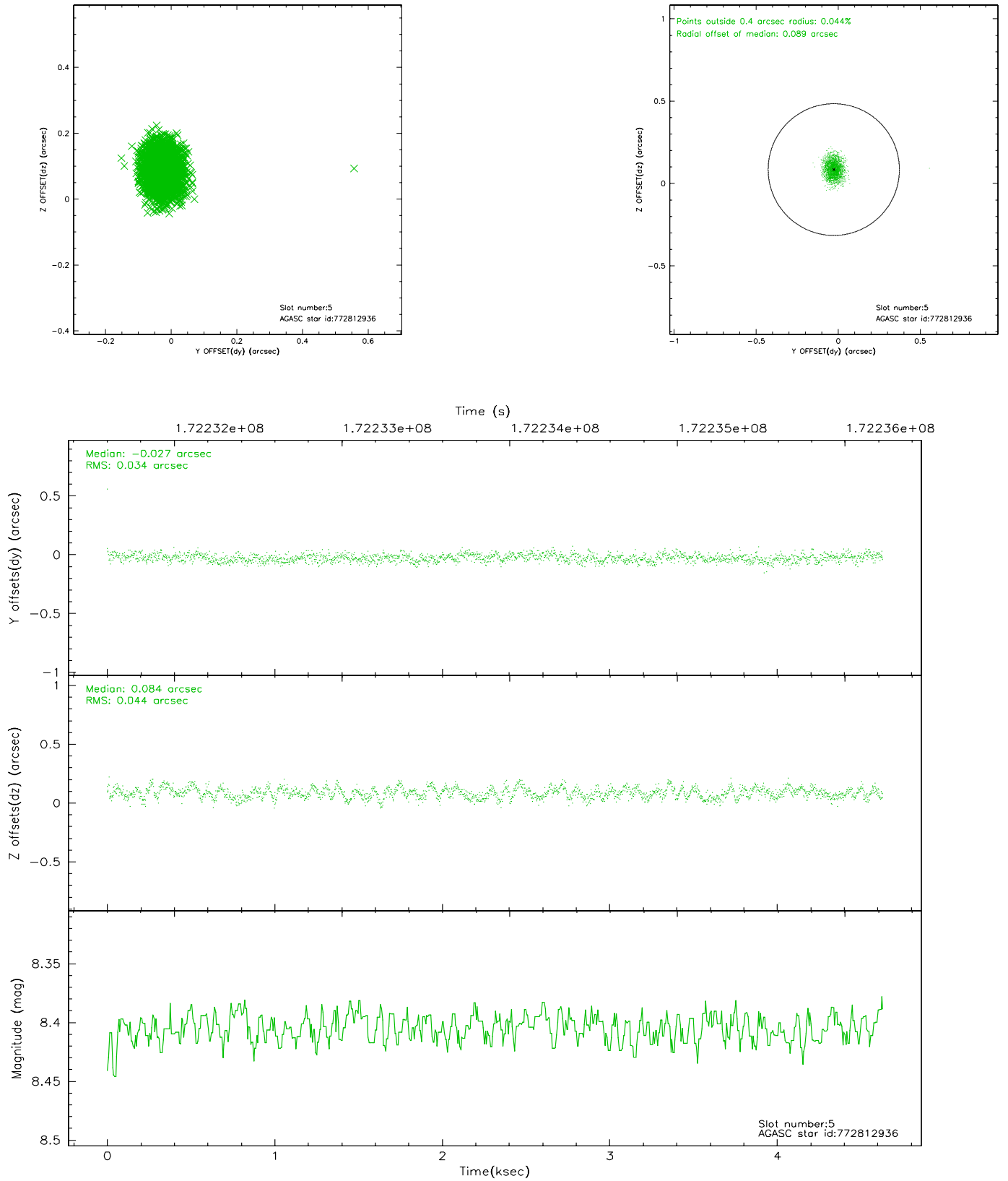
### 2.4.1 Slot 3



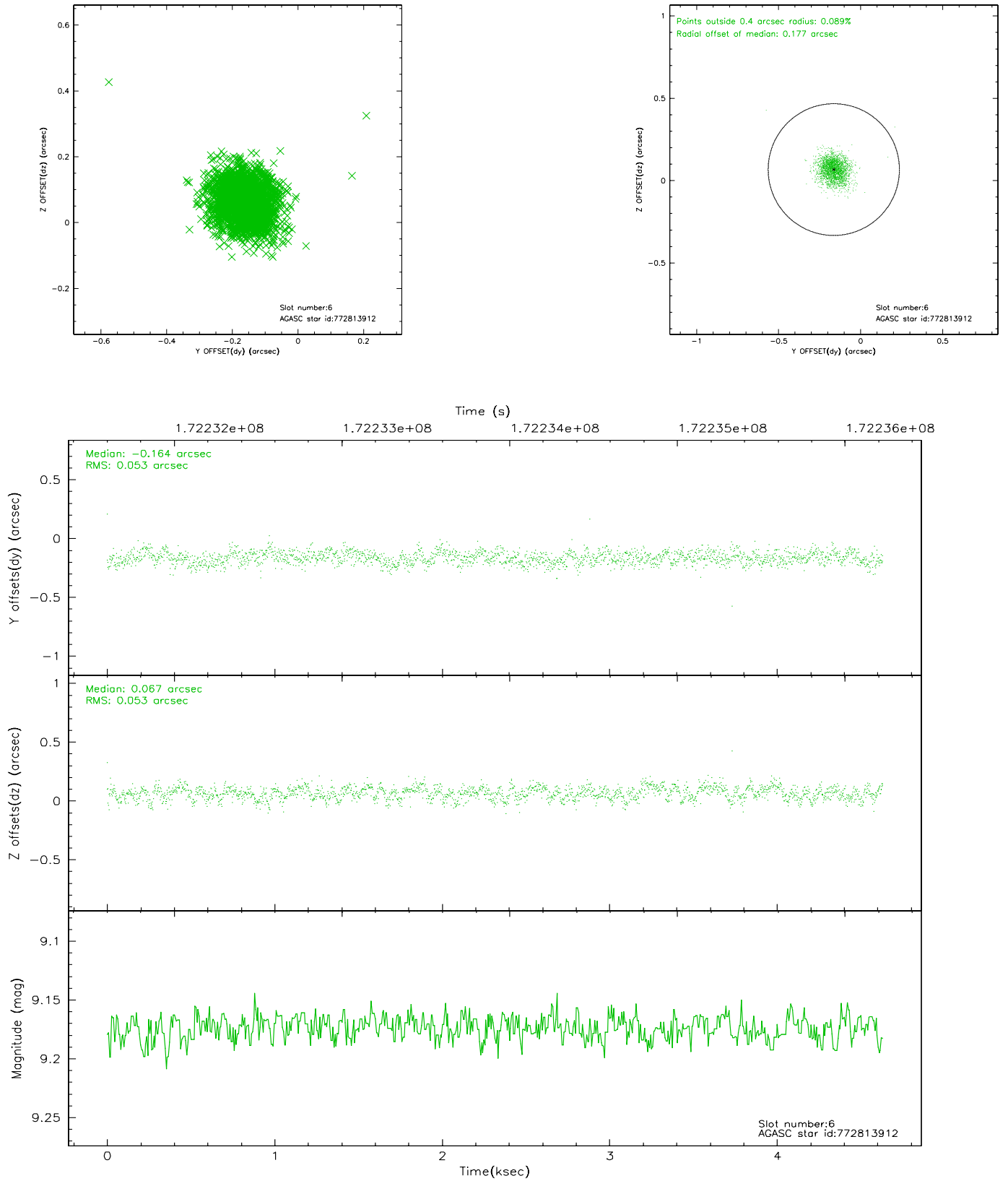
## 2.4.2 Slot 4



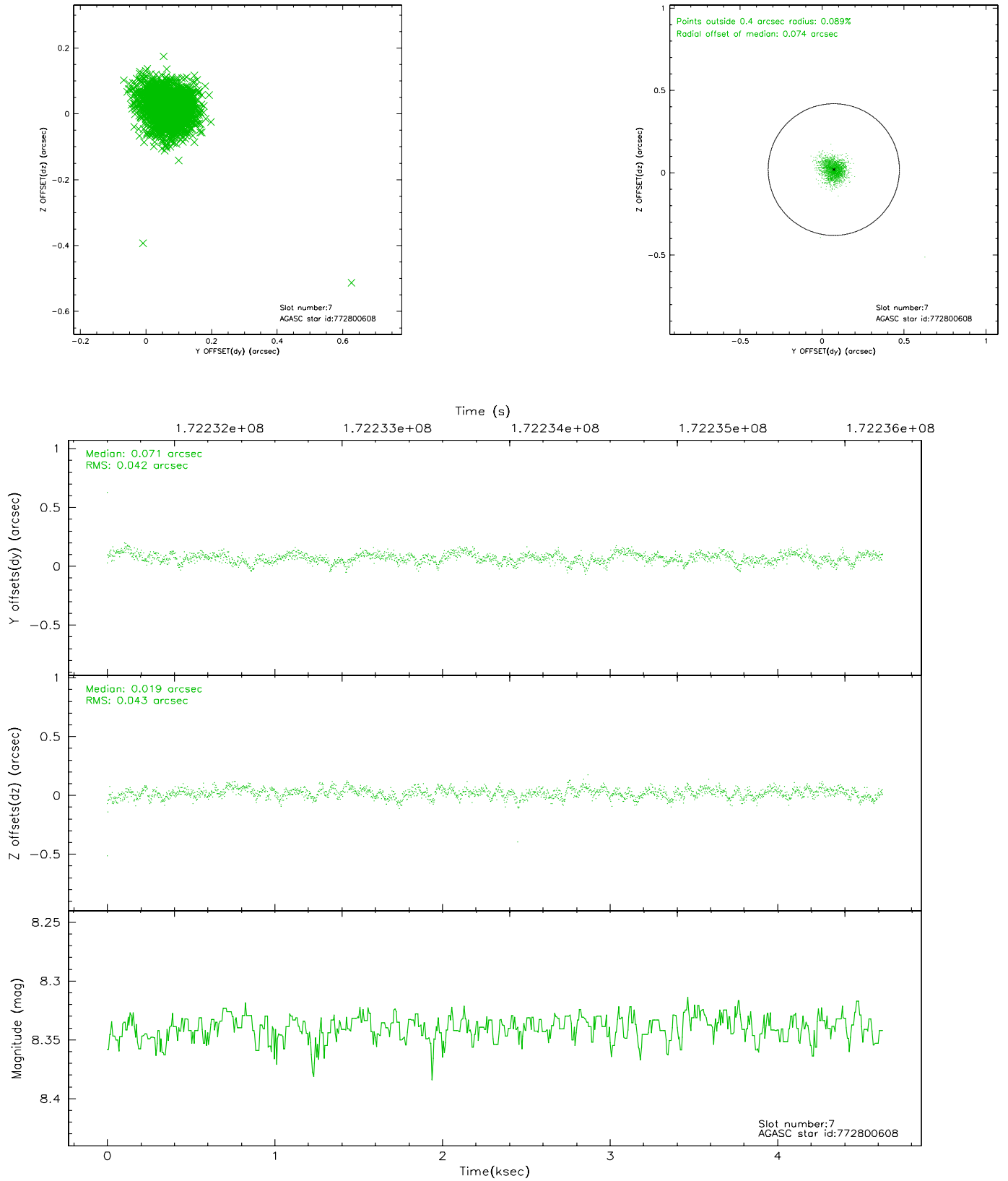
### 2.4.3 Slot 5



## 2.4.4 Slot 6

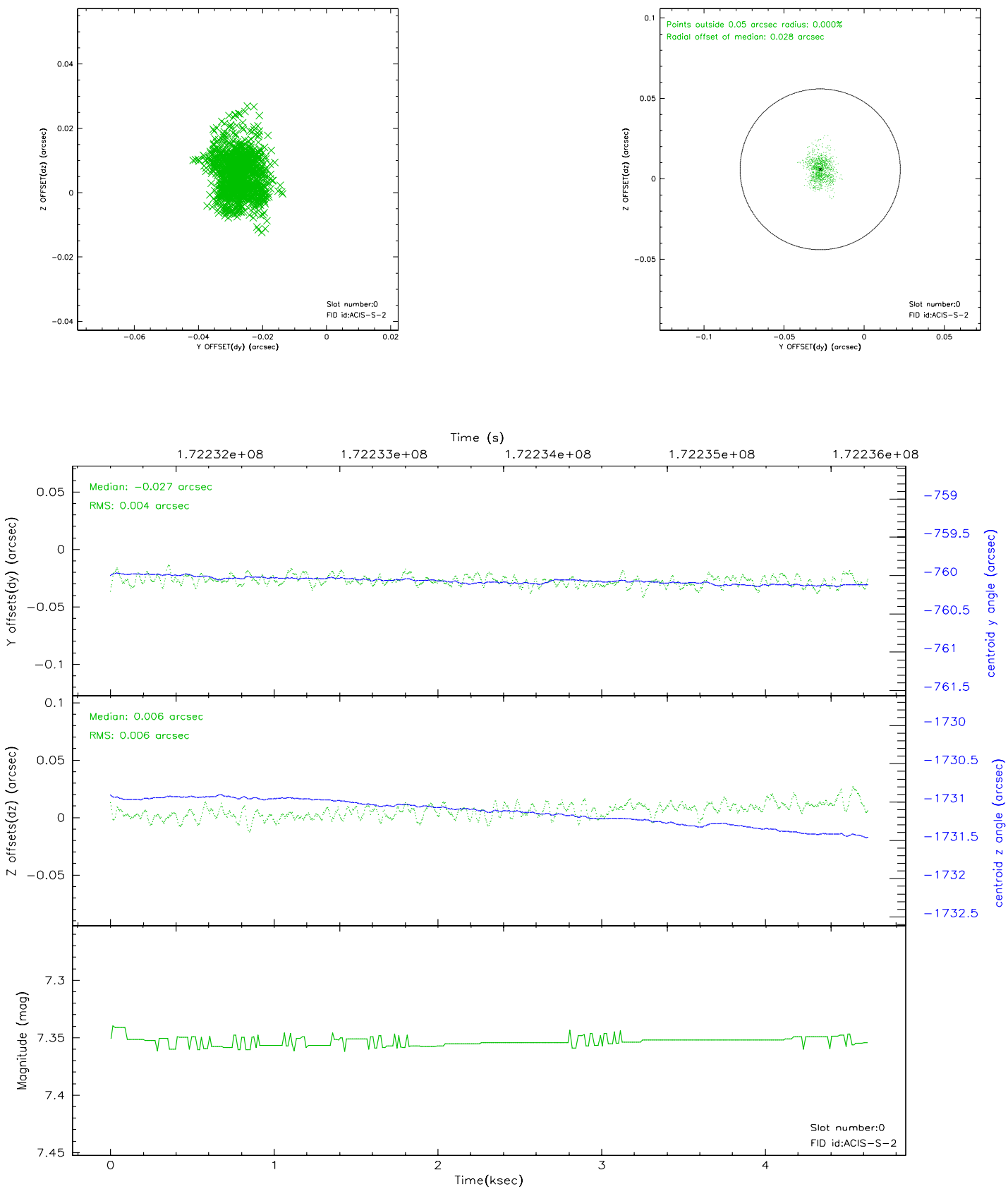


## 2.4.5 Slot 7

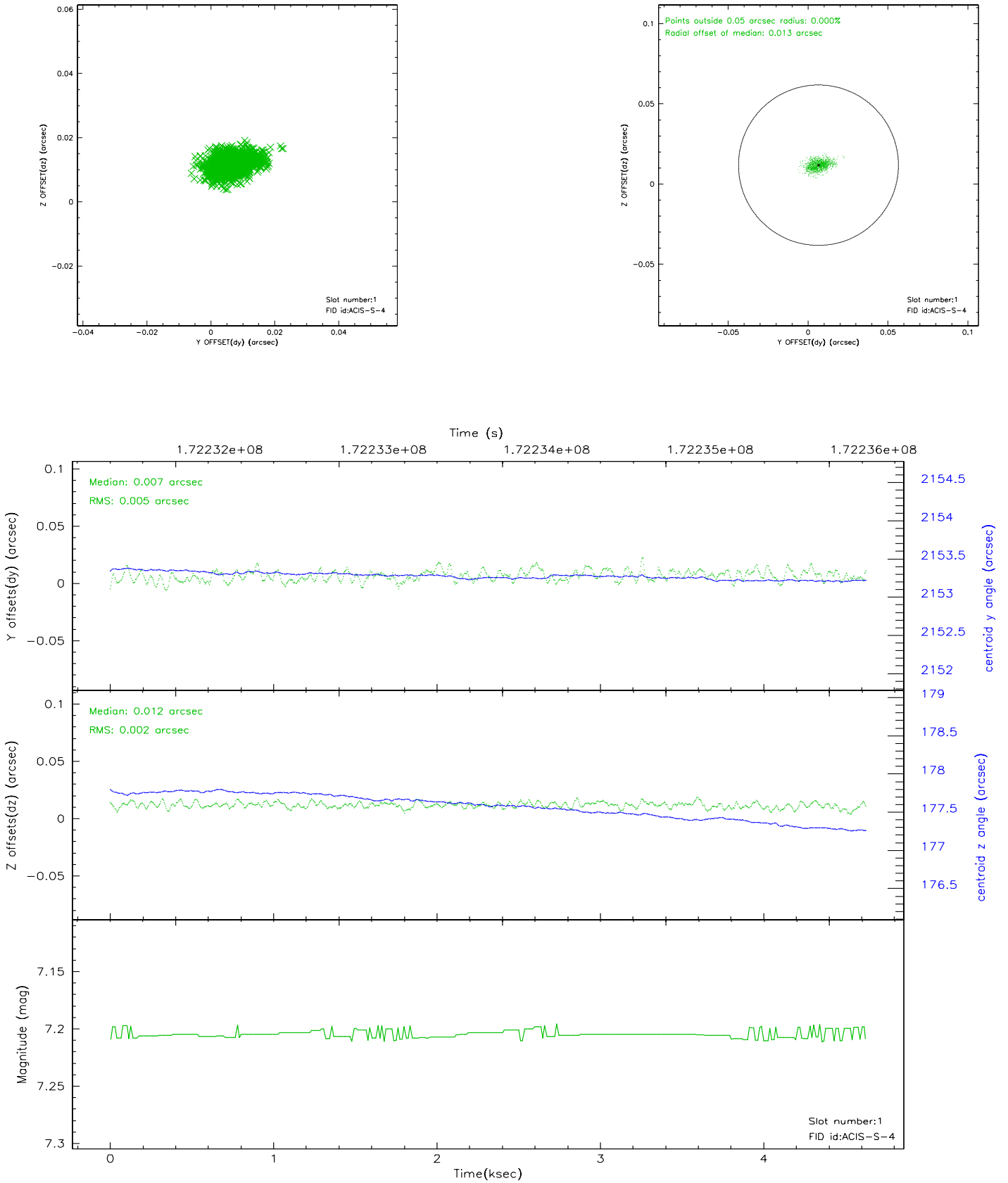


## 2.5 FID Slots

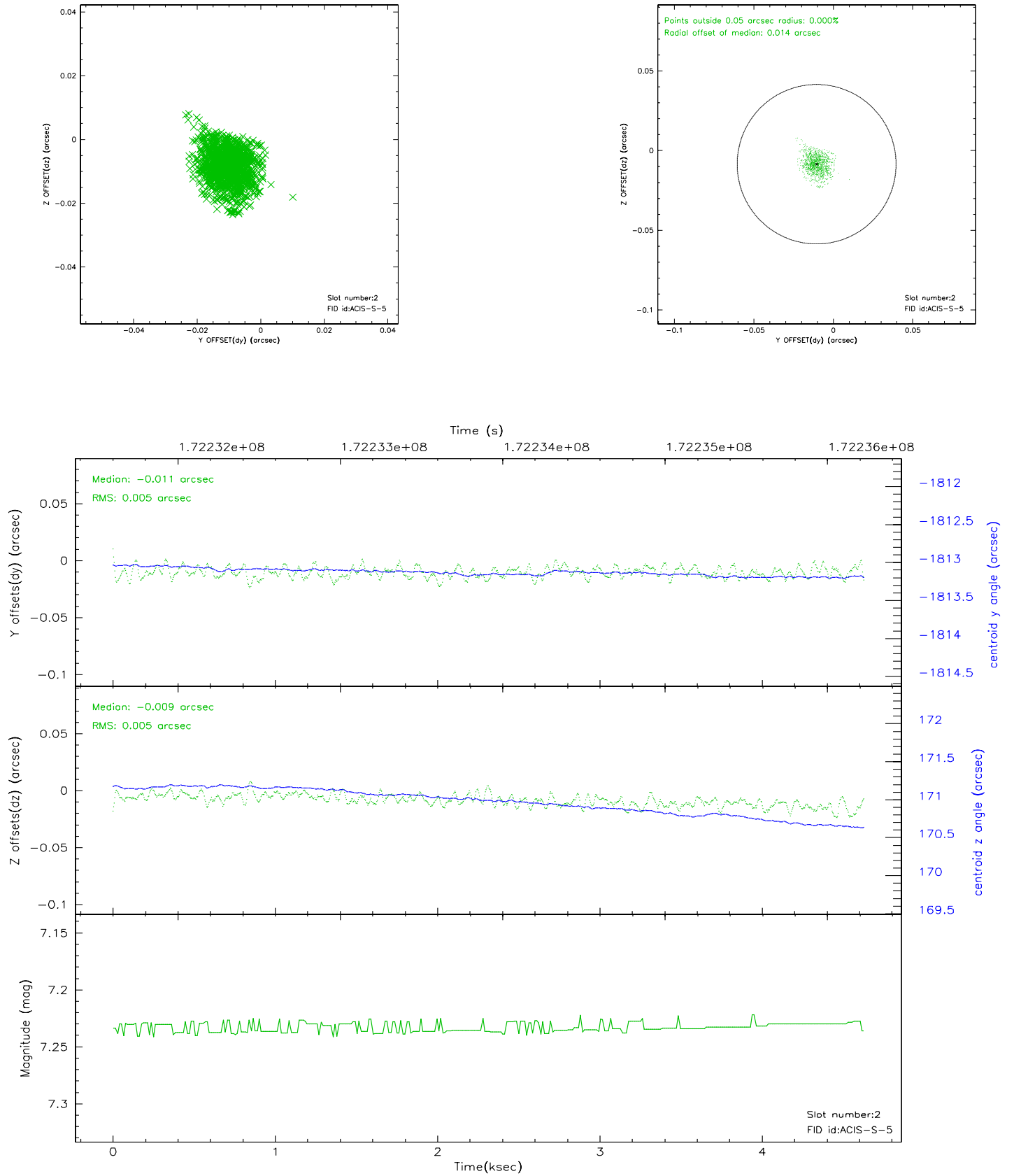
### 2.5.1 Slot 0



## 2.5.2 Slot 1

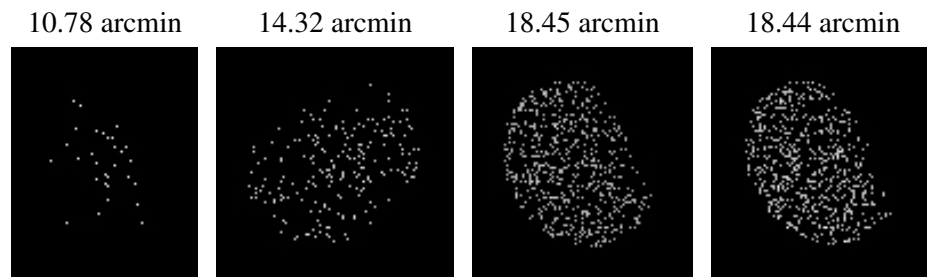


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.46

### A.2 Comments