

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6277 - L2 Version 3  
Chandra X-Ray Center

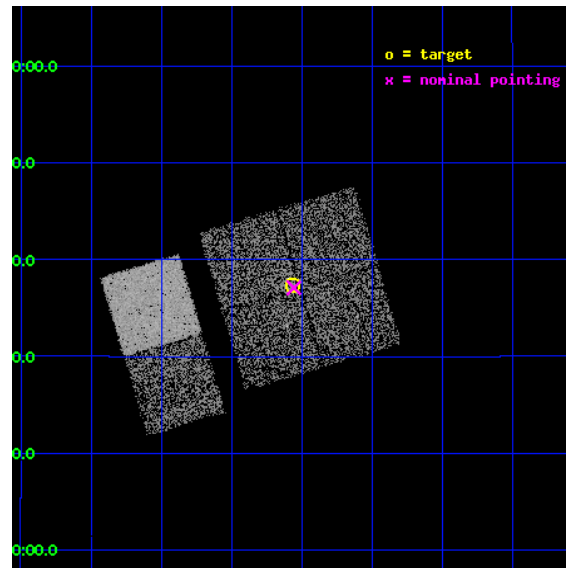
L2 Processing Date : Dec 26 2012

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# 1 Front

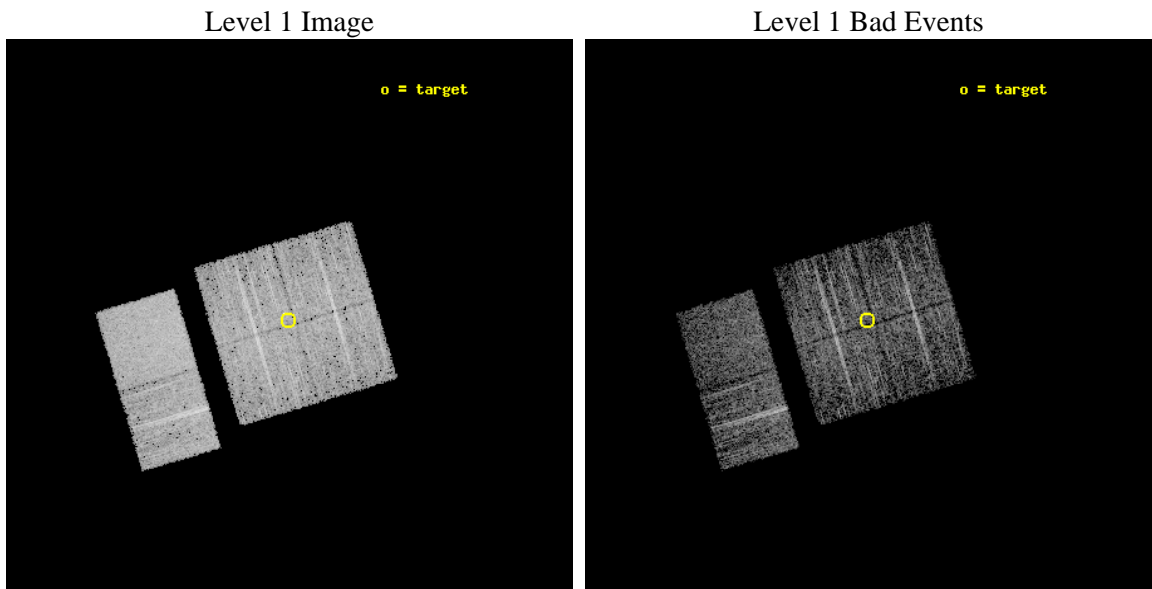
seq_num	701179	Sequence number
obs_id	6277	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J13091+1137	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.267083	Observer's specified target RA [deg]
dec_targ	11.622	Observer's specified target Dec [deg]
ra_nom	197.26410488253	Nominal RA [deg]
dec_nom	11.618210493585	Nominal Dec [deg]
roll_nom	253.43027356999	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3673.5999863148	Sum of GTIs [s]
livetime	3627.0826513117	Livetime [s]
ontime0	3673.5999863148	Sum of GTIs [s]
ontime1	3673.5999863148	Sum of GTIs [s]
ontime2	3673.5999863148	Sum of GTIs [s]
ontime3	3673.5999863148	Sum of GTIs [s]
ontime6	3673.5999863148	Sum of GTIs [s]
ontime7	3673.5999863148	Sum of GTIs [s]
l2events	32089	Number of level 2 events



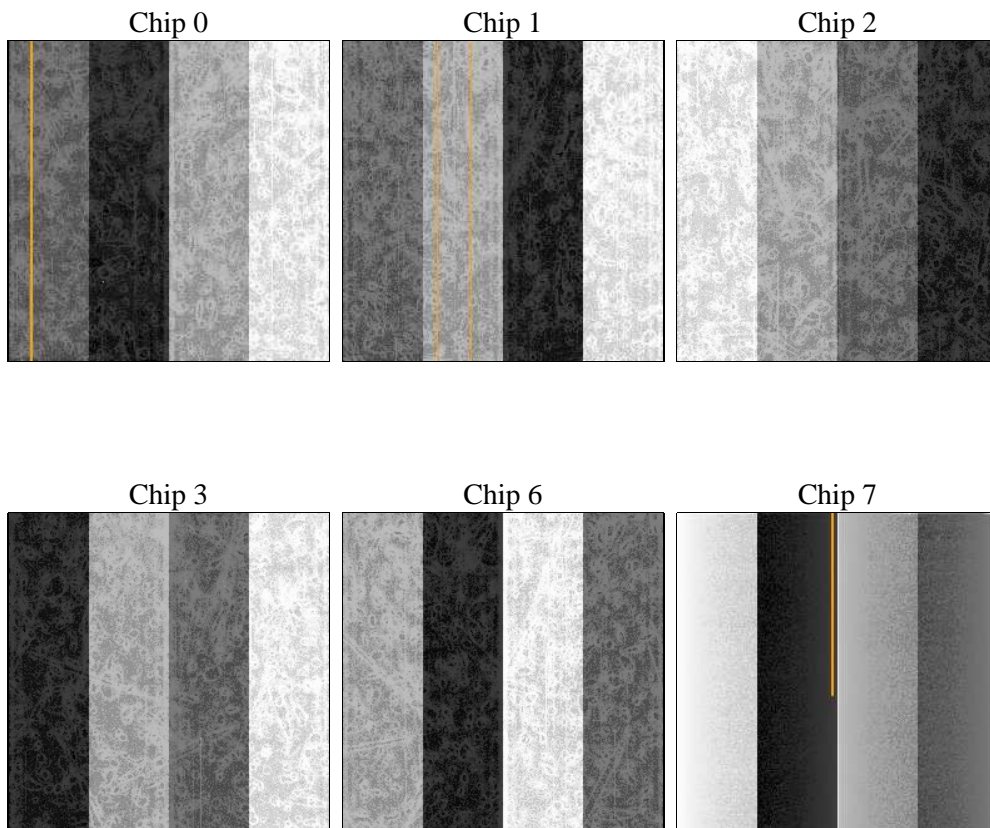
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3673.5999863148	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	3673.5999863148	Sum of GTIs [s]
date	2012-12-26T14:50:48	Date and time of file creation	ontime1	3673.5999863148	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3673.5999863148	Sum of GTIs [s]
			ontime3	3673.5999863148	Sum of GTIs [s]
			ontime6	3673.5999863148	Sum of GTIs [s]
			ontime7	3673.5999863148	Sum of GTIs [s]
			l1events	184754	Number of level 1 events

### 2.1.4 Events

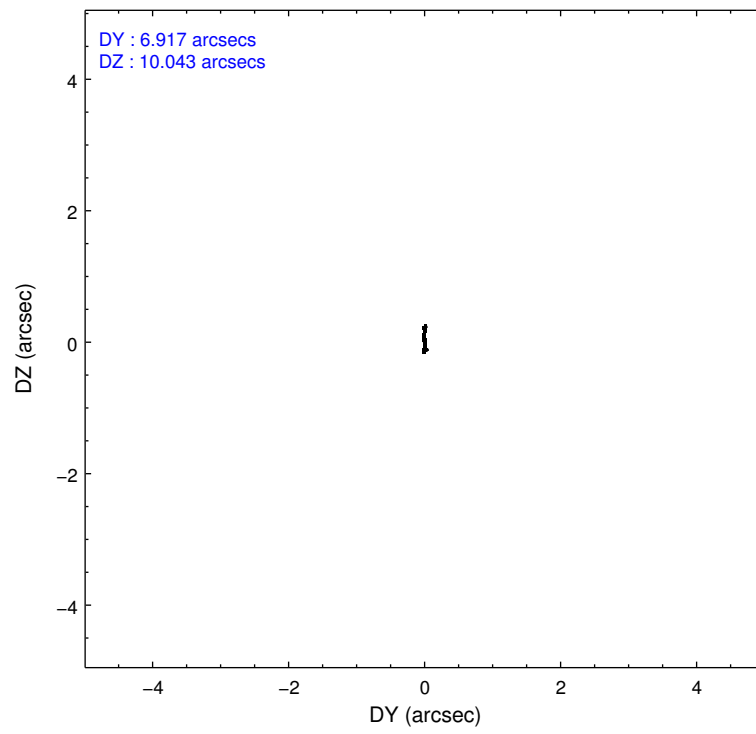
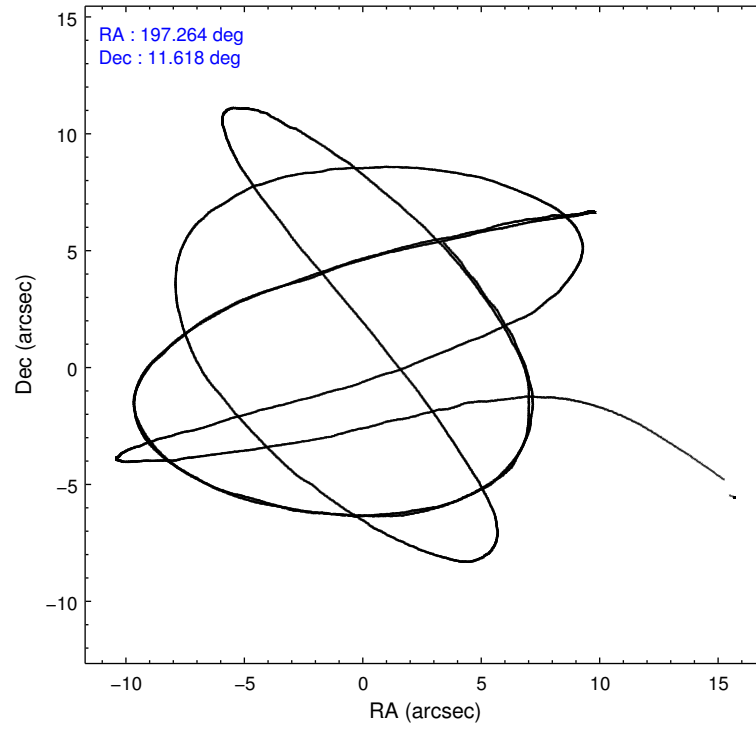
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26713	26959	29221	30303	31543	40015	grade 0 events	1620	1482	1667	1738	1447	1578
rejected events	23066	23319	25661	26509	27927	23421		6%	5%	5%	5%	4%	3%
rejected %	86%	86%	87%	87%	88%	58%	grade 1 events	23	12	15	24	12	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	803	853	671	727	738	3302
								3%	3%	2%	2%	2%	8%
							grade 3 events	322	333	344	346	347	1513
								1%	1%	1%	1%	1%	3%
							grade 4 events	336	352	378	376	367	1423
								1%	1%	1%	1%	1%	3%
							grade 5 events	1252	1281	1150	1296	1442	3774
								4%	4%	3%	4%	4%	9%
							grade 6 events	638	704	572	683	791	9157
								2%	2%	1%	2%	2%	22%
							grade 7 events	21719	21942	24424	25113	26399	19233
								81%	81%	83%	82%	83%	48%

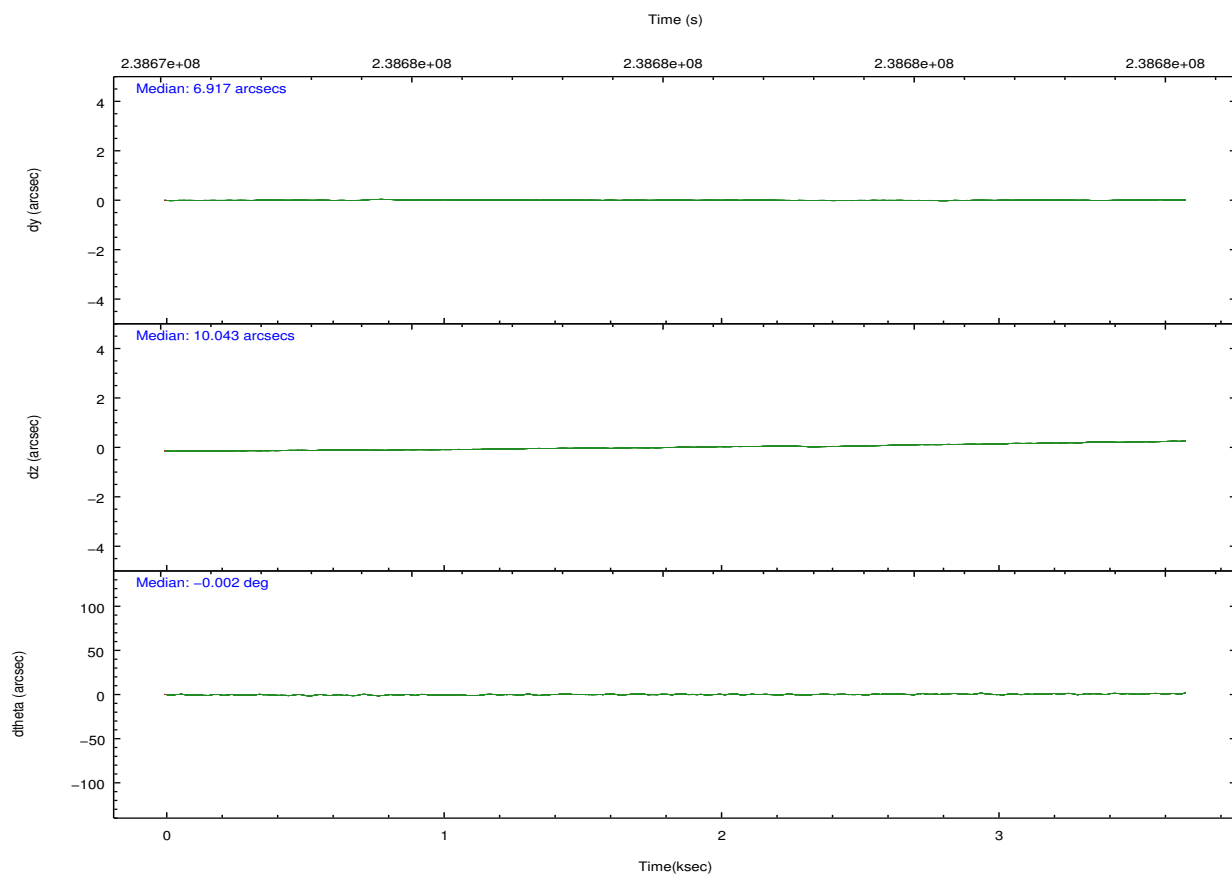
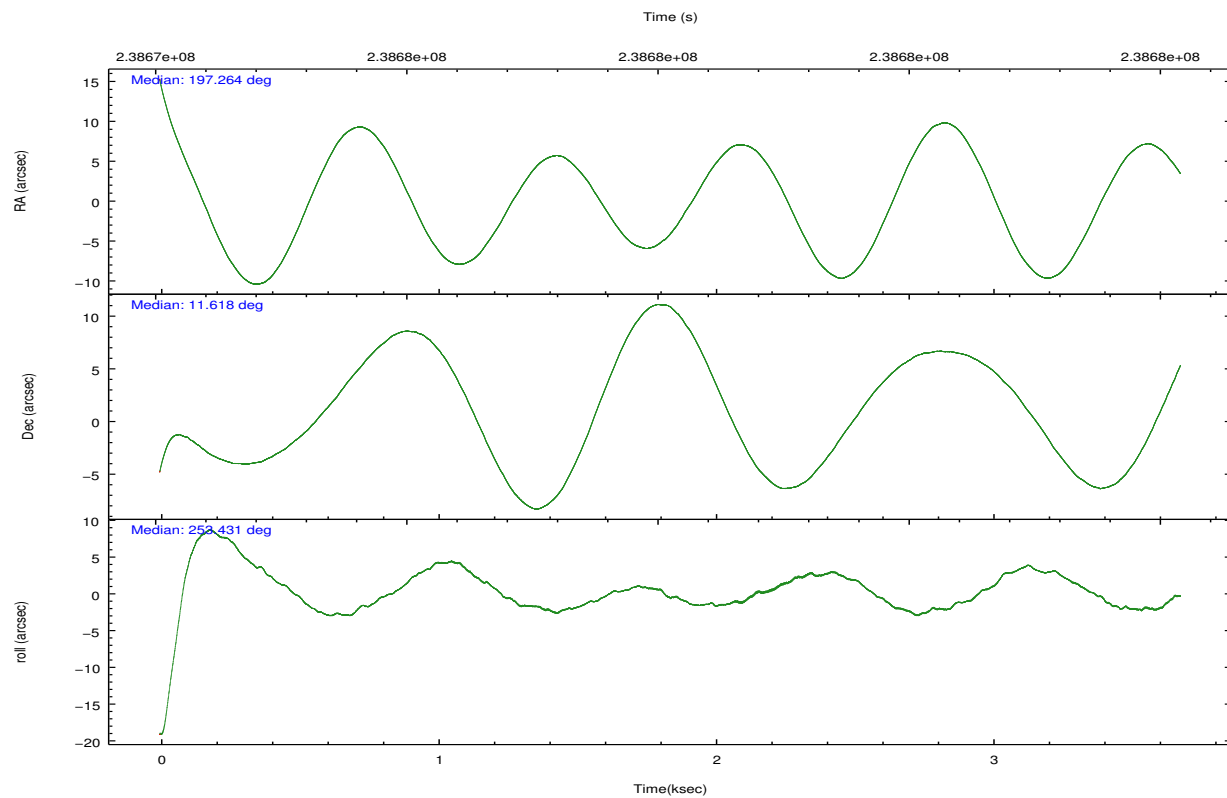


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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
[deg] Pointing RA	197.257466	197.2641048825278	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.645032	11.61821049358521	Alternating exposures requested	N	N
[deg] Pointing Roll	253.223013	253.4302735699929	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	238674381.184000	238673270.91852			
Observation start date	2005-07-25T10:25:17	2005-07-25T10:07:50			
[s] Observation end time (MET)	238677881.184000	238678418.98125			
Observation end date	2005-07-25T11:23:37	2005-07-25T11:33:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



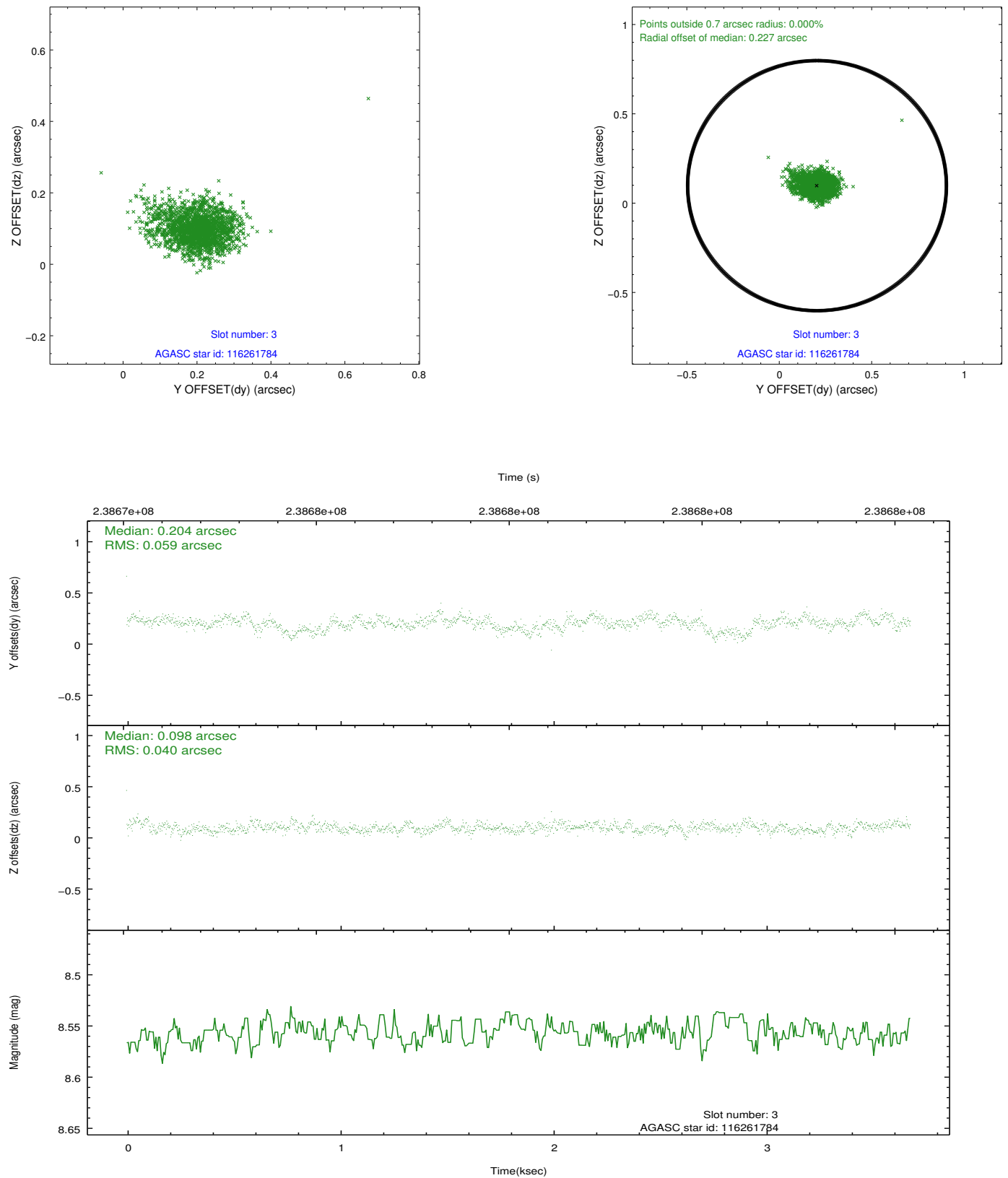


### Slot Statistics

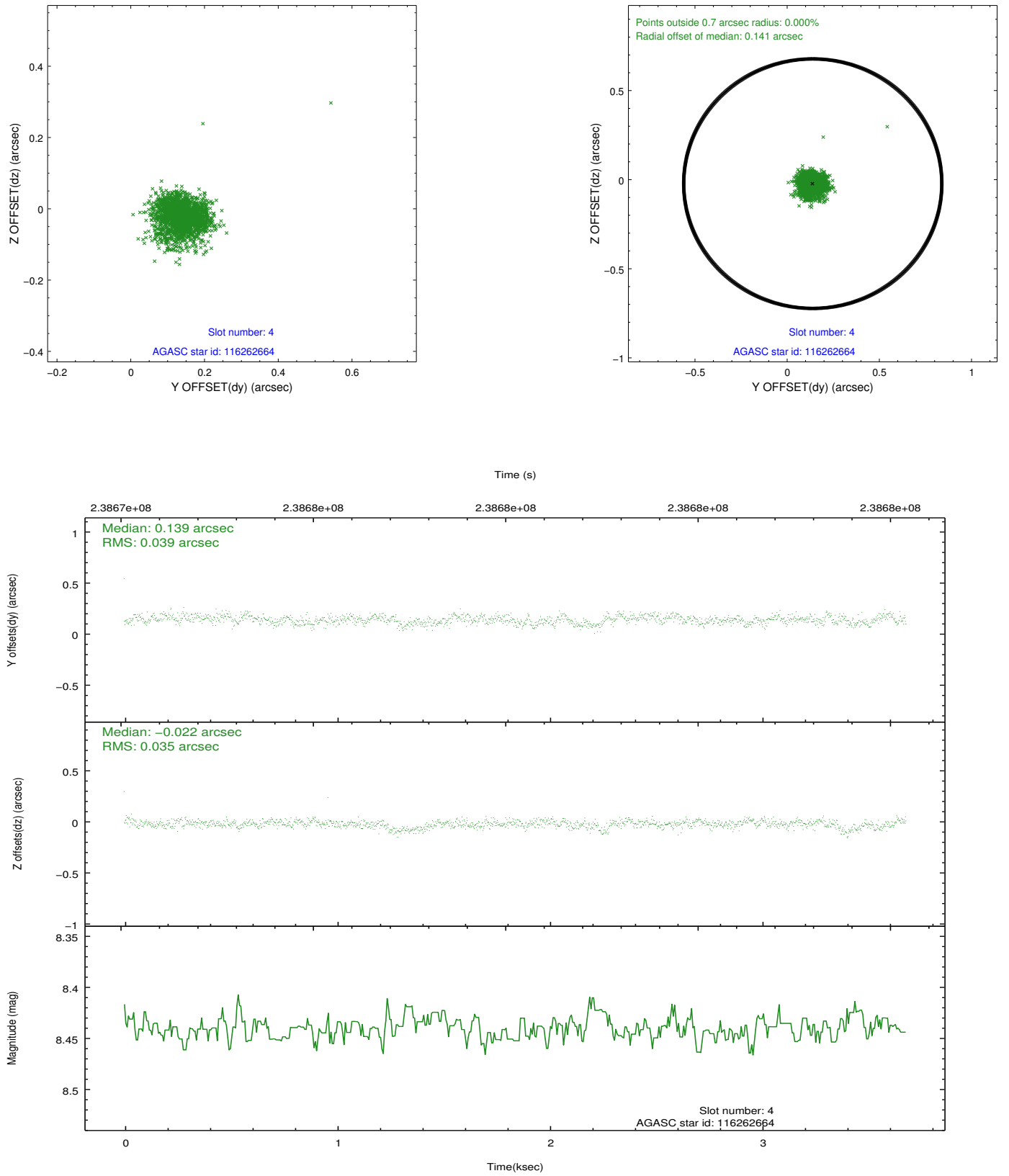
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	898	0.003	0.017	0.007	0.015	0.000000	0.000000	932.77	-833.51
1	FID	ACIS-I-5	7.23	898	-0.154	0.025	0.007	0.011	0.000000	0.000000	-1814.54	1063.14
2	FID	ACIS-I-6	7.26	898	0.060	0.028	0.007	0.013	0.000000	0.000000	396.52	1709.58
3	GUIDE	116261784	8.56	1796	0.204	0.098	0.073	0.126	196.853969	11.134859	2169.82	-834.26
4	GUIDE	116262664	8.44	1796	0.139	-0.022	0.054	0.088	196.809372	11.278433	1720.39	-1134.69
5	GUIDE	116267520	9.31	1796	-0.052	-0.030	0.097	0.163	197.020801	12.194164	-1651.79	-1368.69
6	GUIDE	116267000	8.91	1796	-0.147	-0.041	0.089	0.147	196.866177	12.323926	-1944.36	-2024.86
7	GUIDE	116267400	9.05	1794	-0.141	0.004	0.076	0.123	196.893154	12.273451	-1798.12	-1881.61

## 2.4 Star Slots

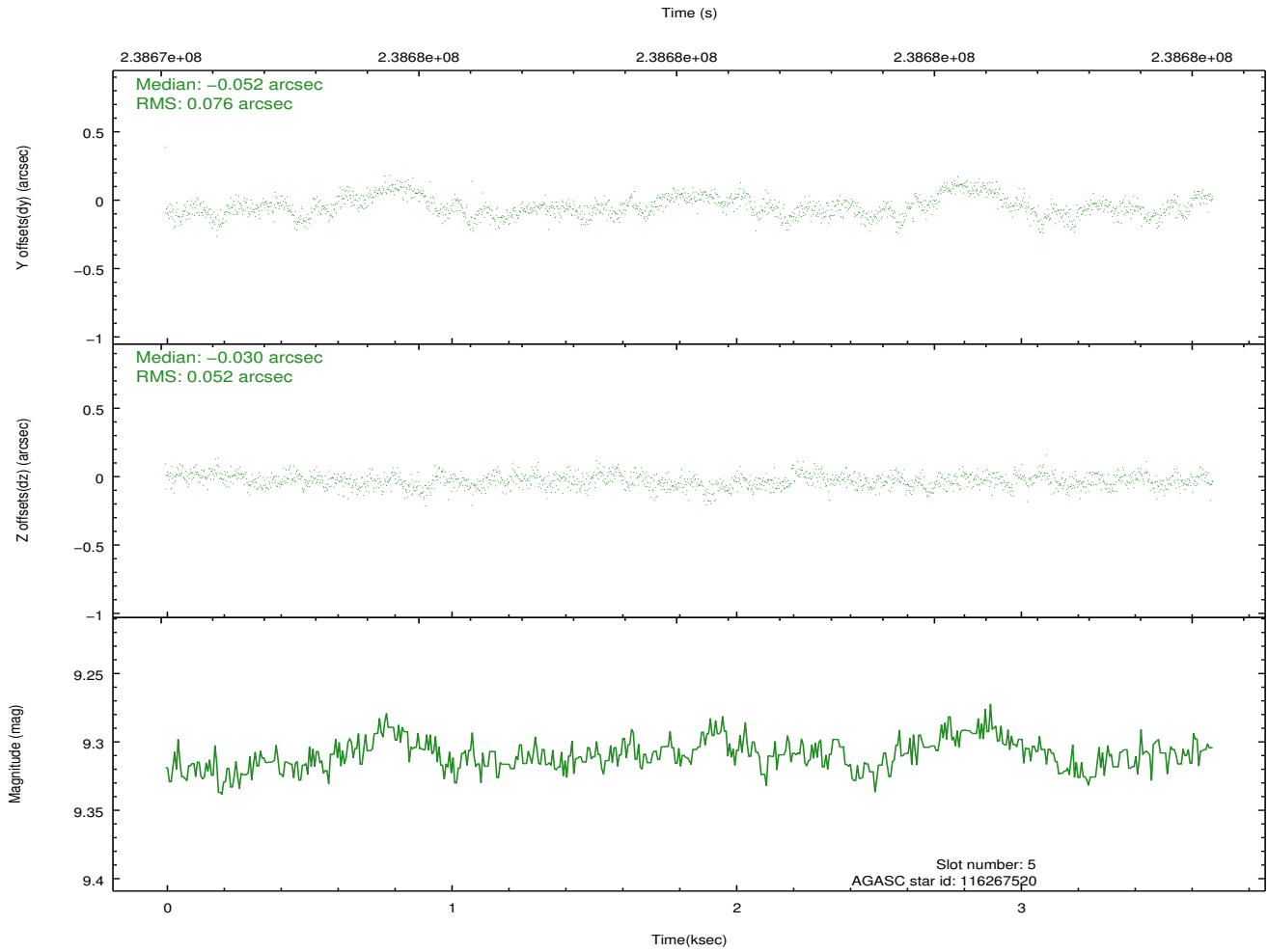
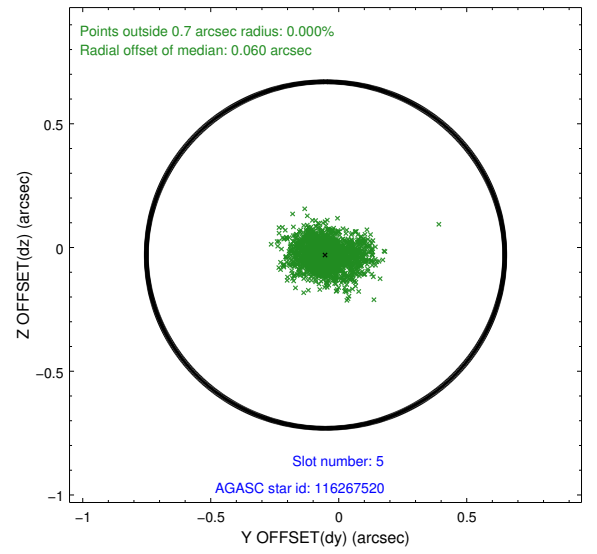
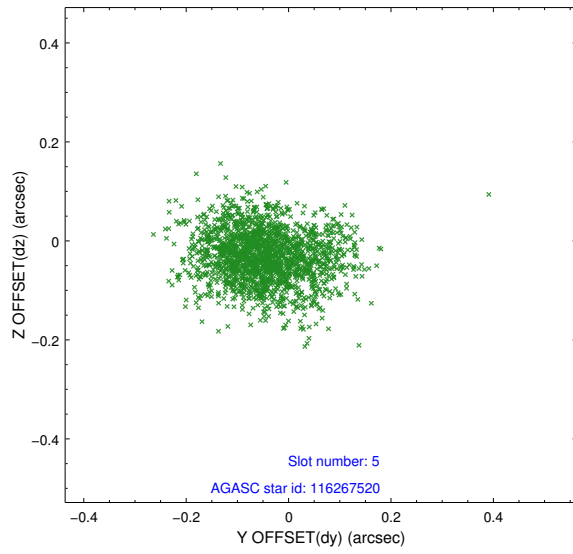
### 2.4.1 Slot 3



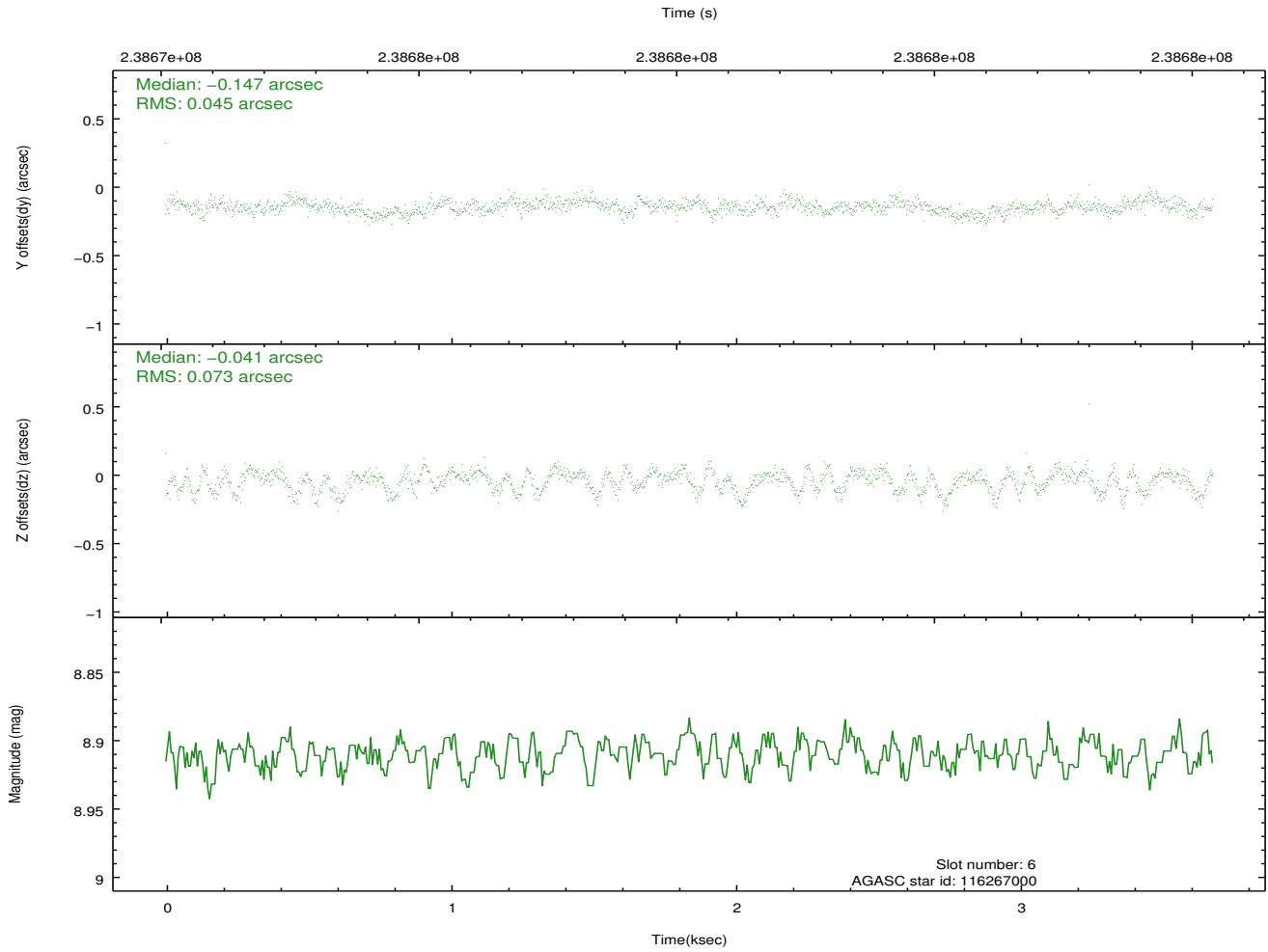
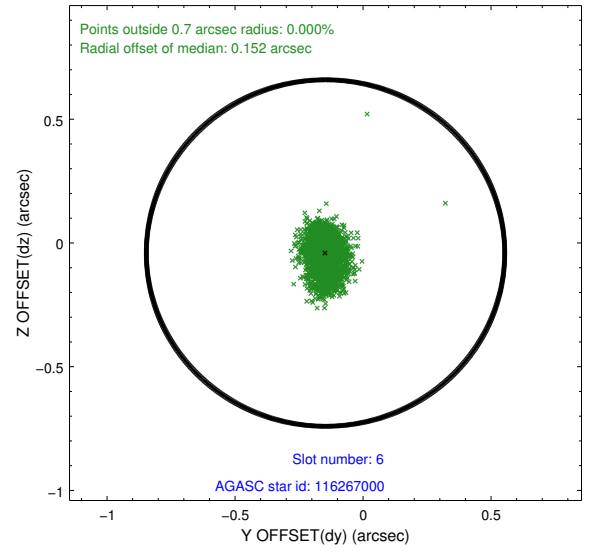
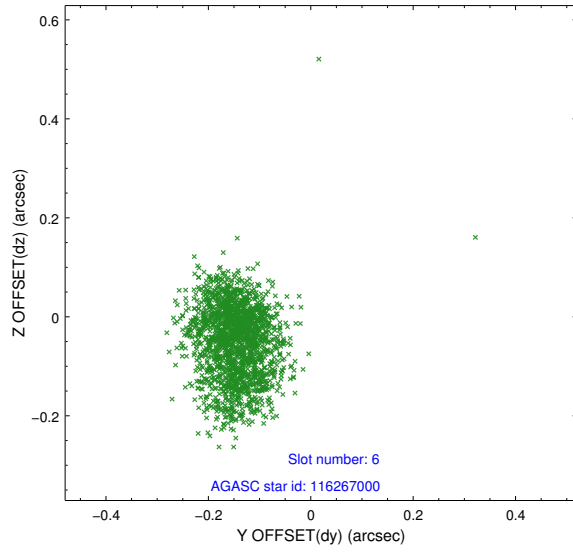
## 2.4.2 Slot 4



### 2.4.3 Slot 5

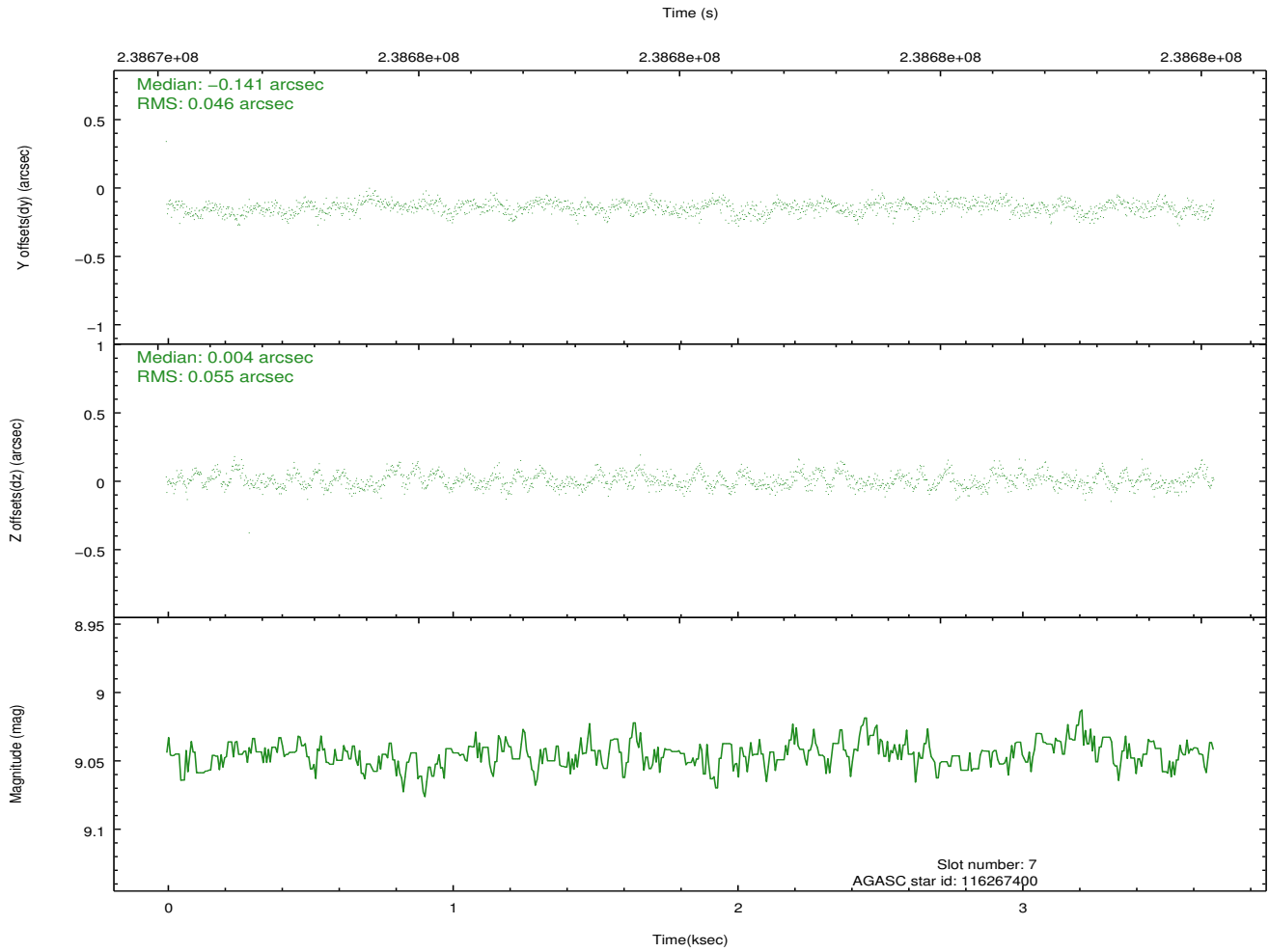
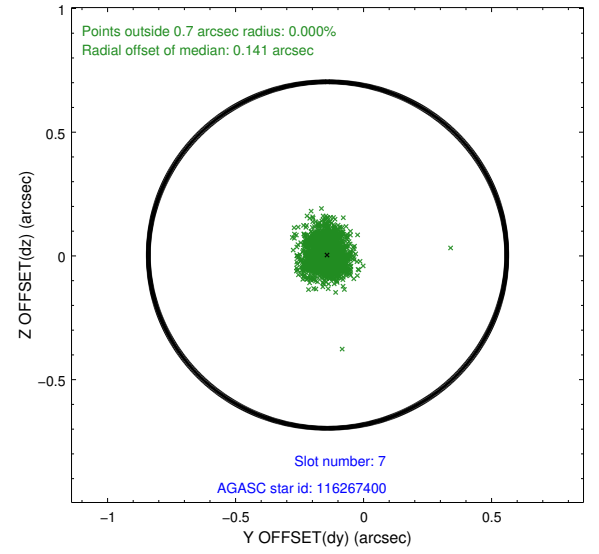
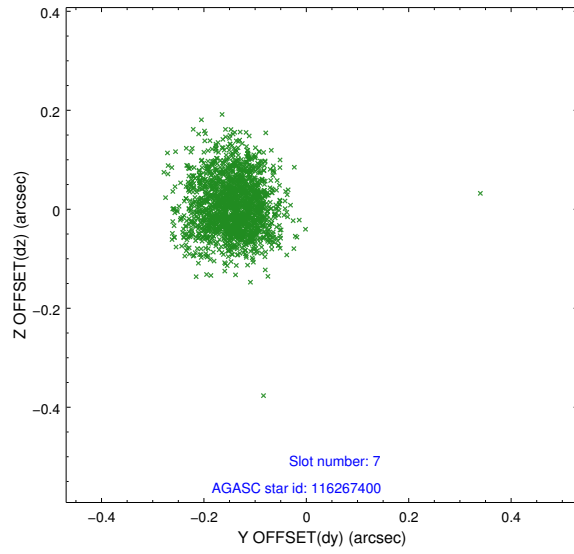


## 2.4.4 Slot 6



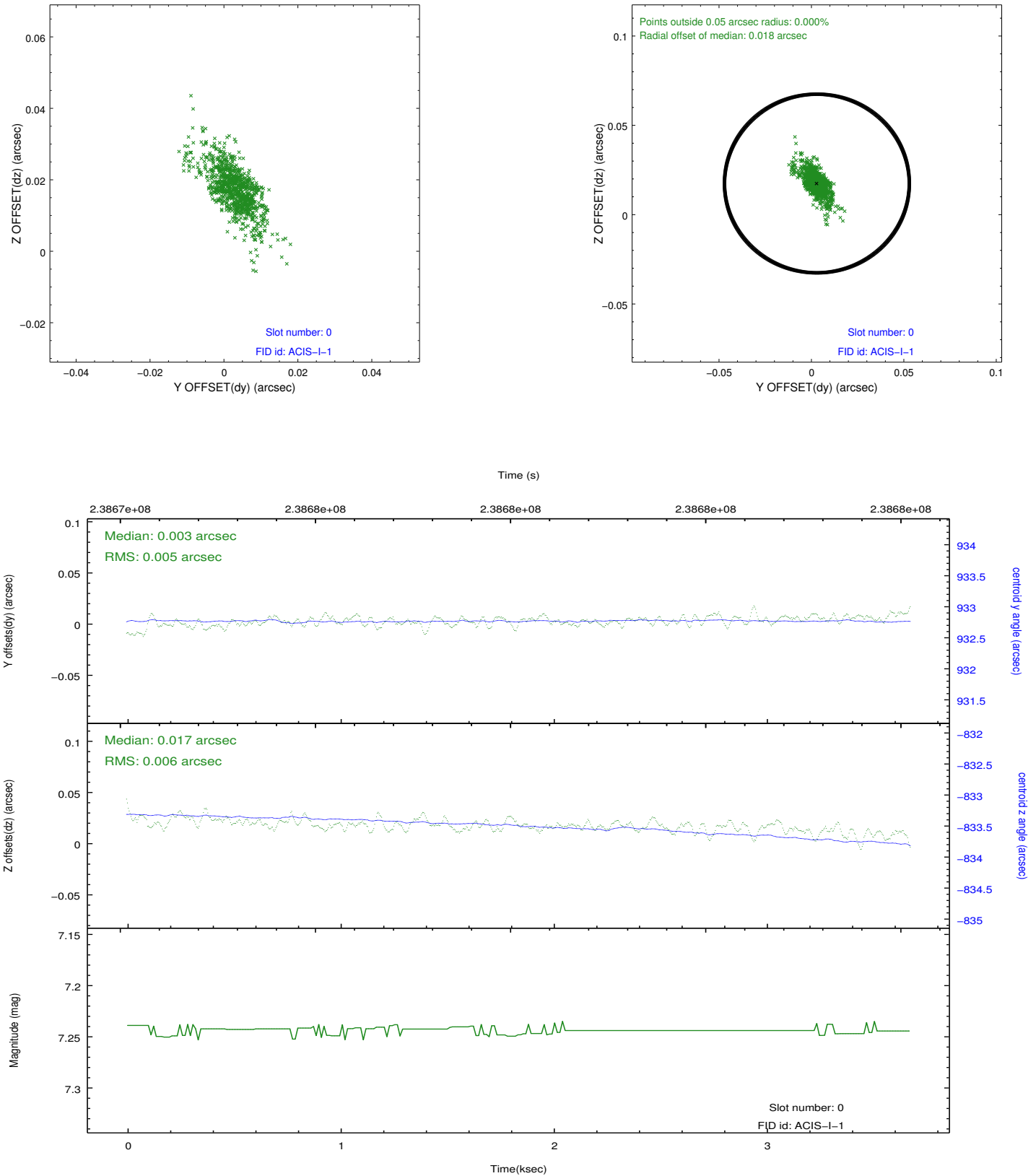


## 2.4.5 Slot 7

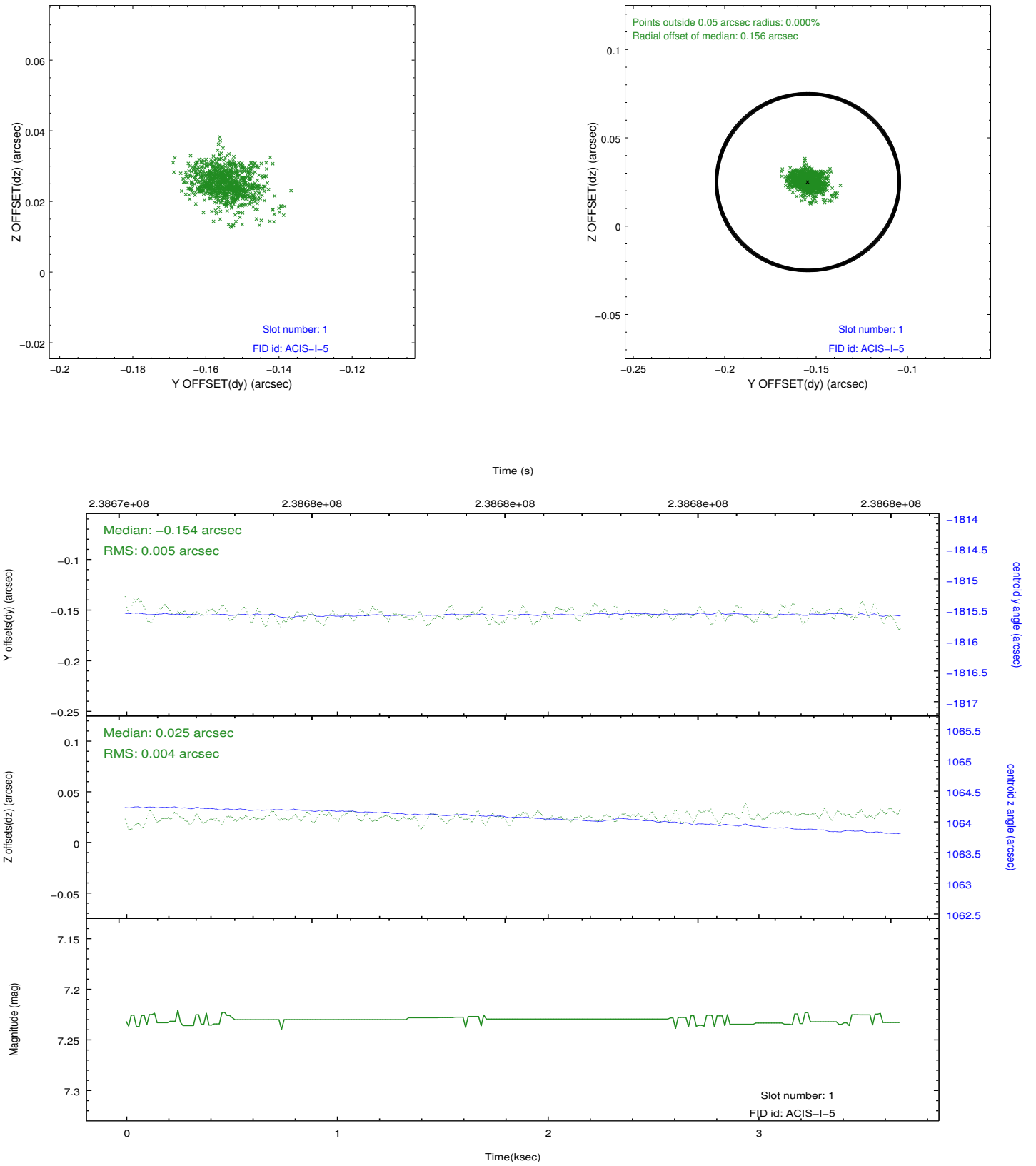


## 2.5 FID Slots

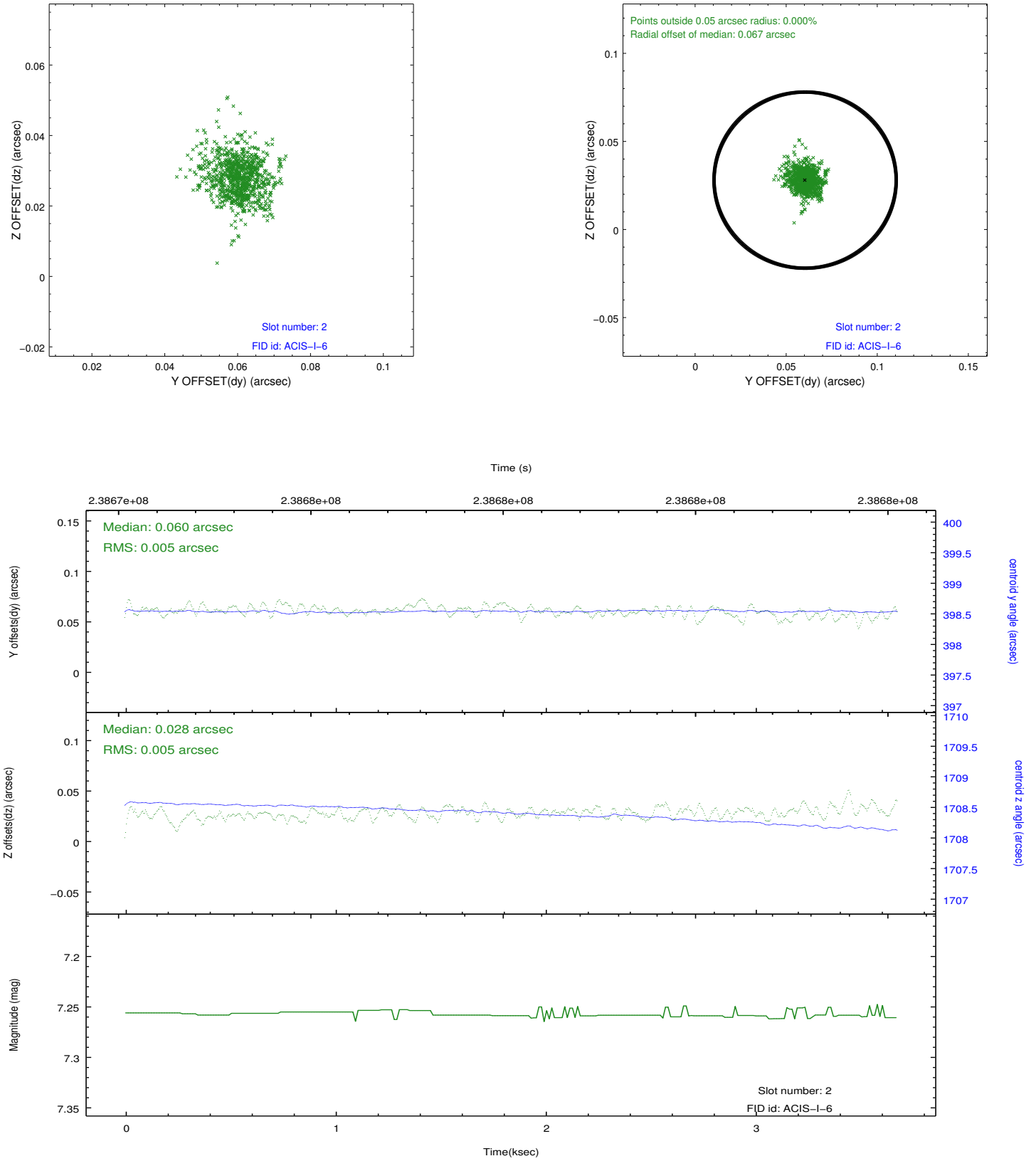
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.759572

## A.2 Comments

Charge time for this ObsId remains at previous value of 3.759572 ks although with the current processing the charge time would have been 3.67 ksec.