

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5683 - L2 Version 3  
Chandra X-Ray Center

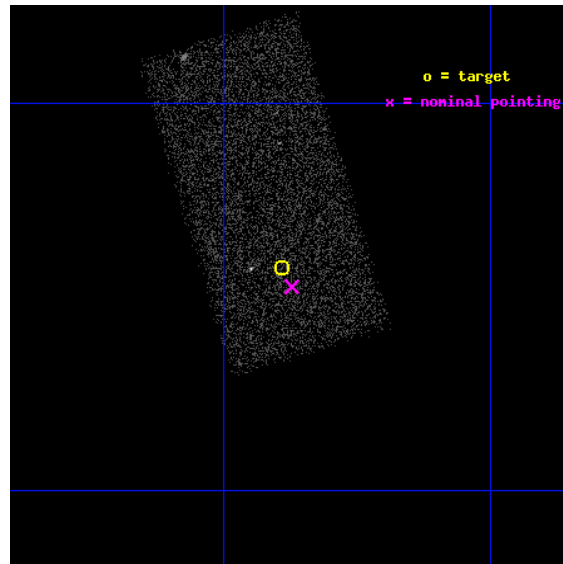
L2 Processing Date : Dec 25 2012

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# 1 Front

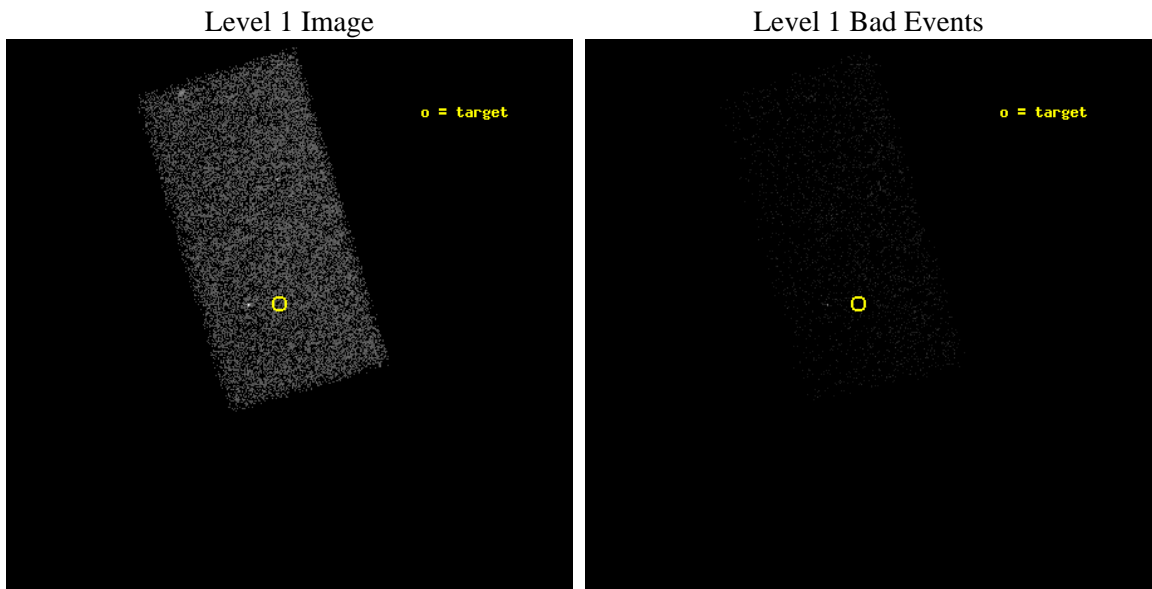
seq_num	701106	Sequence number
obs_id	5683	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1040.3+2045	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.0975	Observer's specified target RA [deg]
dec_targ	20.763056	Observer's specified target Dec [deg]
ra_nom	160.09295110991	Nominal RA [deg]
dec_nom	20.754471186794	Nominal Dec [deg]
roll_nom	253.30956708325	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5185.5	Sum of GTIs [s]
liveltime	5047.403052484	Livetime [s]
ontime7	5185.5	Sum of GTIs [s]
l2events	12692	Number of level 2 events



## 2 OBI

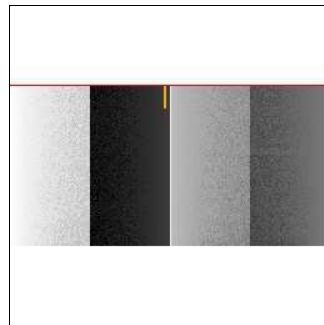
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5185.5	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime7	5185.5	Sum of GTIs [s]
date	2012-12-25T05:32:07	Date and time of file creation	l1events	29637	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

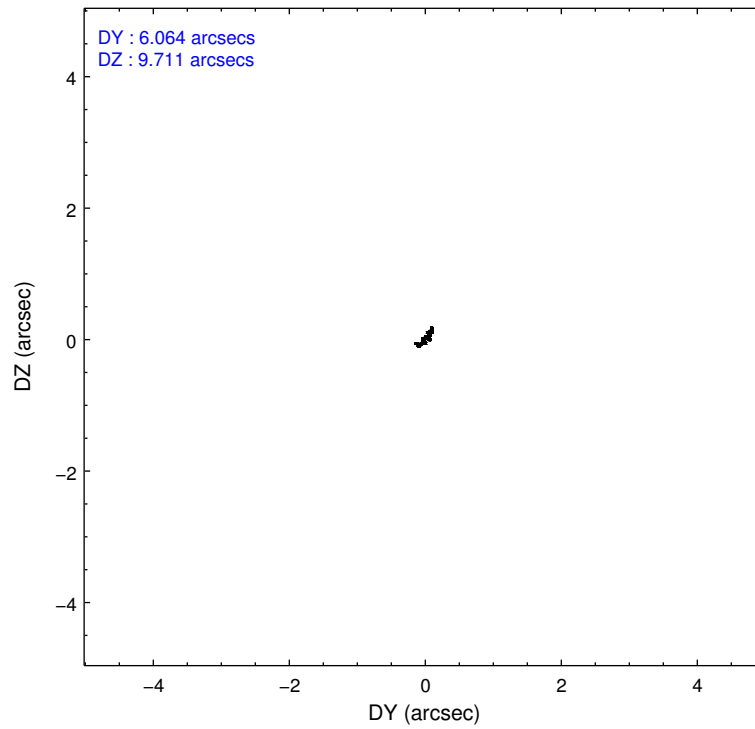
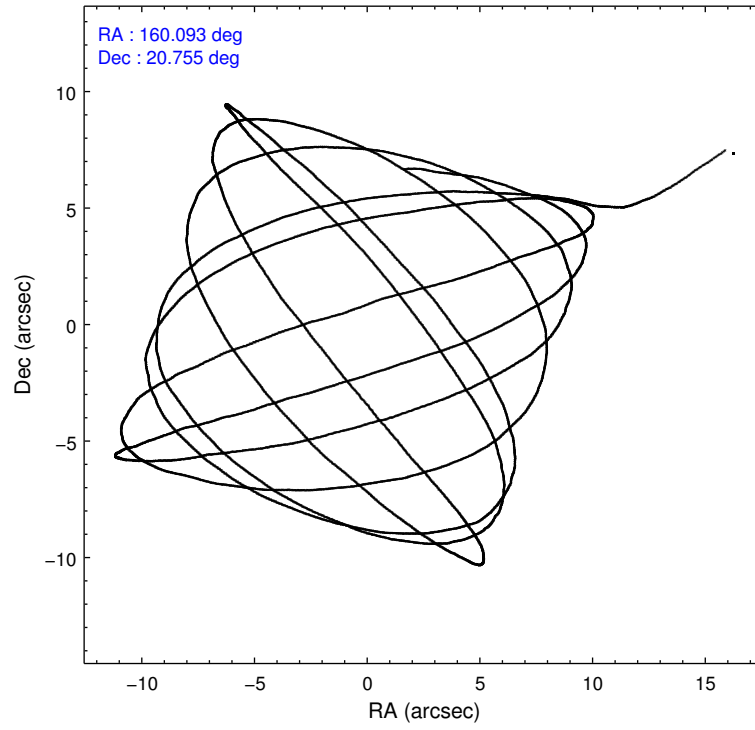
	<b>ccd 7</b>
level 1 events	29637
rejected events	16621
rejected %	<b>56%</b>

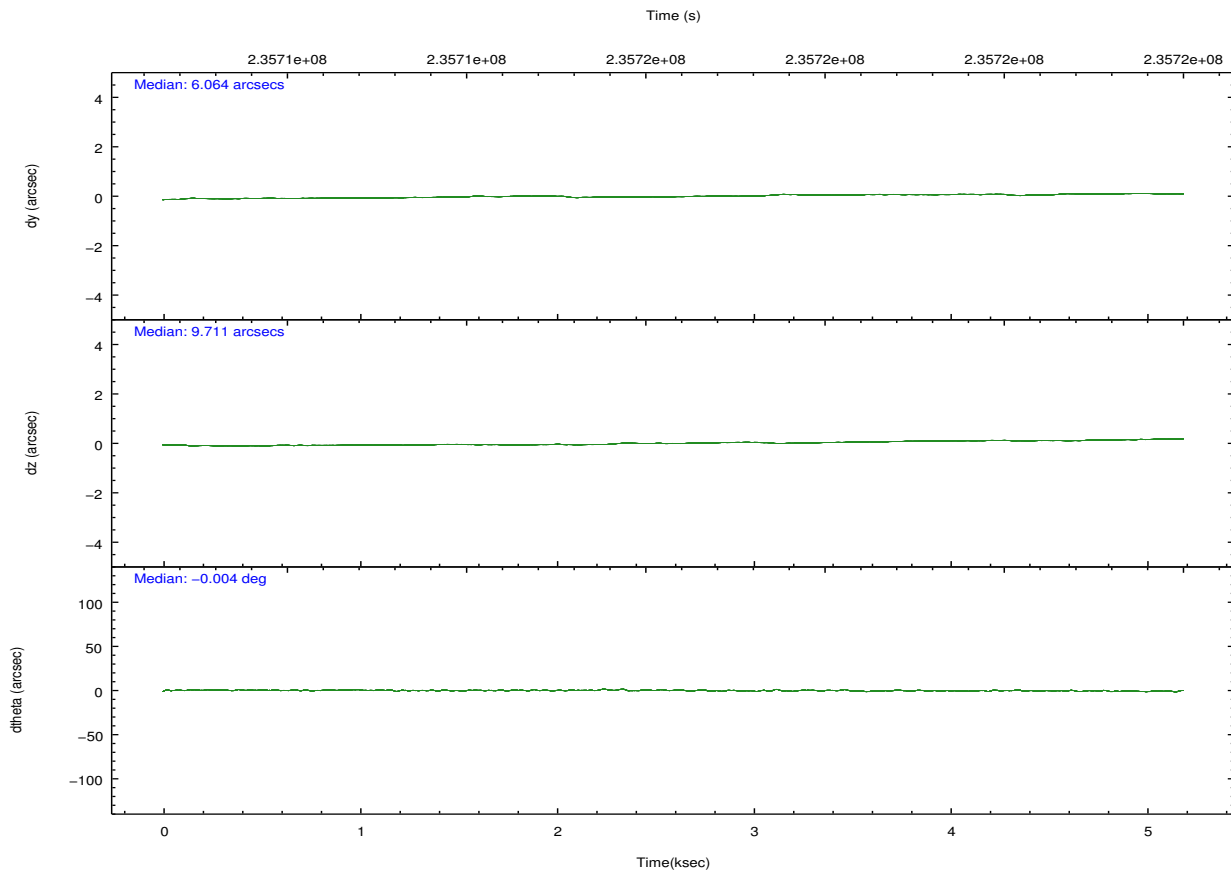
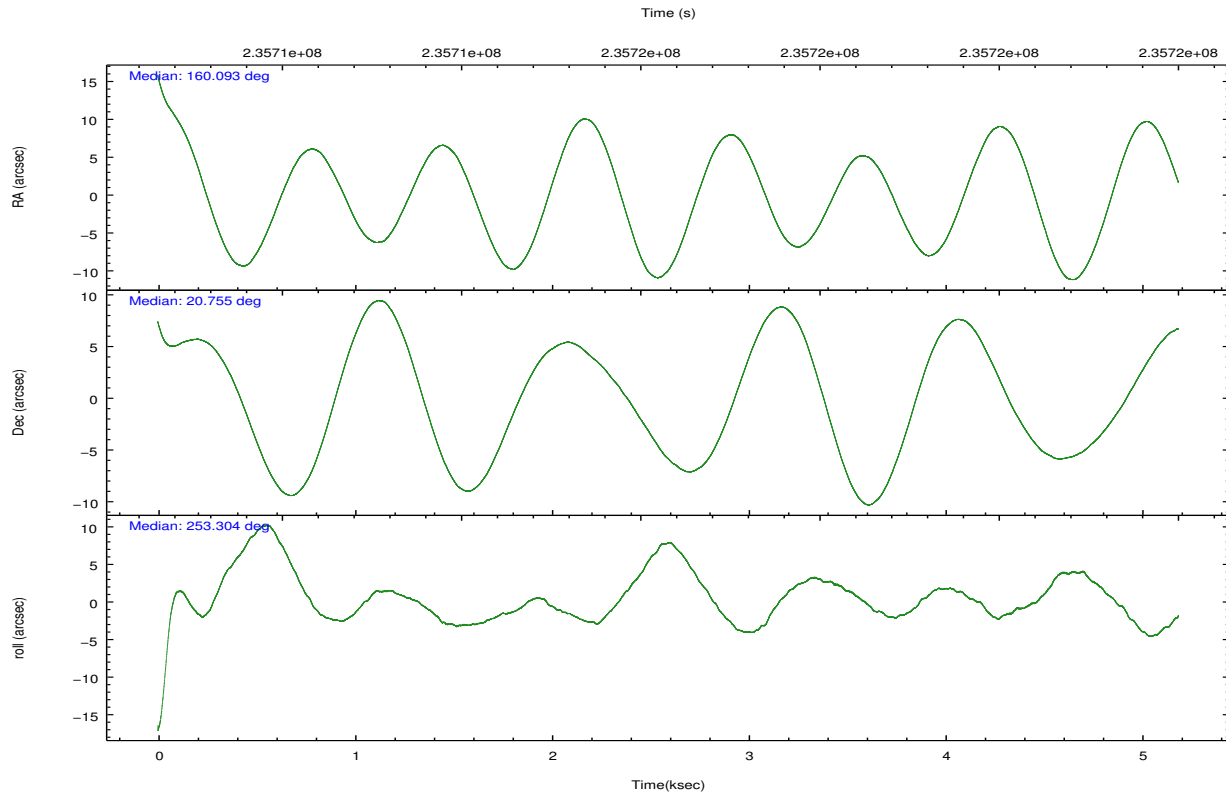
	<b>ccd 7</b>
grade 0 events	1547
	5%
grade 1 events	38
	0%
grade 2 events	2672
	9%
grade 3 events	1341
	4%
grade 4 events	1356
	4%
grade 5 events	2763
	9%
grade 6 events	6565
	22%
grade 7 events	13355
	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	160.085752	160.0929511099118	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	20.780837	20.75447118679391	Subarray start row	257	257
[deg] Pointing Roll	253.155539	253.309567083249	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	235712740.184000	235711982.23307			
Observation start date	2005-06-21T03:44:36	2005-06-21T03:33:02			
[s] Observation end time (MET)	235717740.184000	235718459.72086			
Observation end date	2005-06-21T05:07:56	2005-06-21T05:20:59			
Read mode	TIMED	TIMED			

## 2.3 Aspect



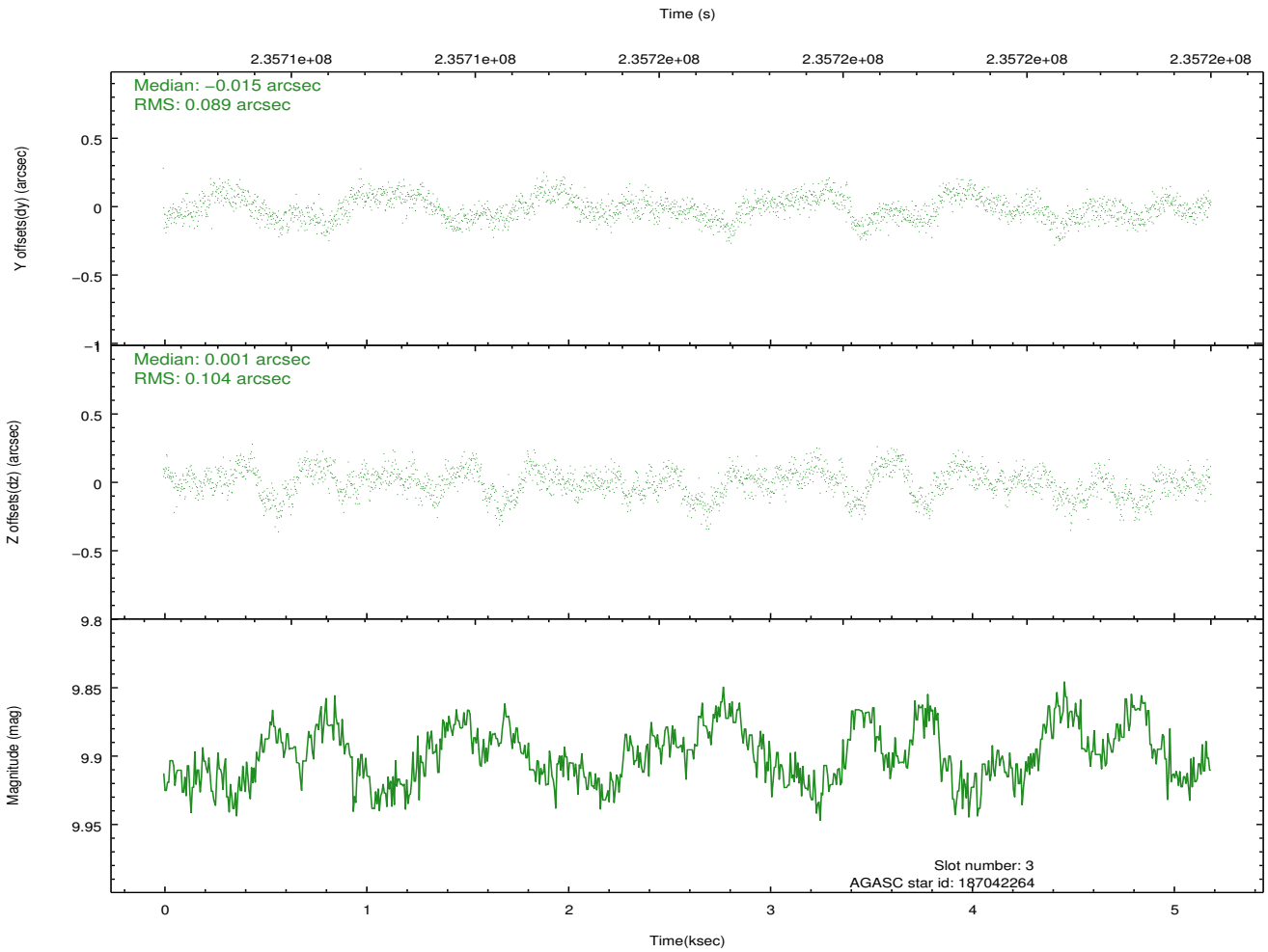
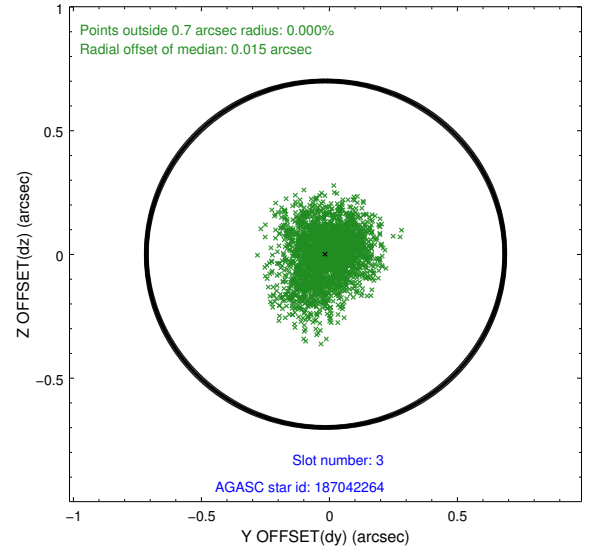
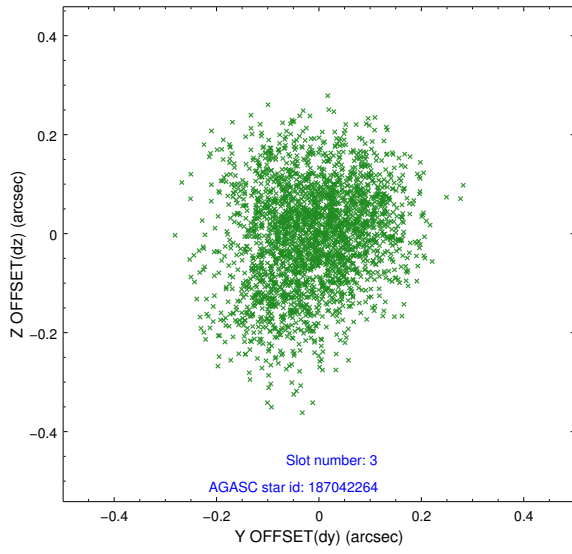


### Slot Statistics

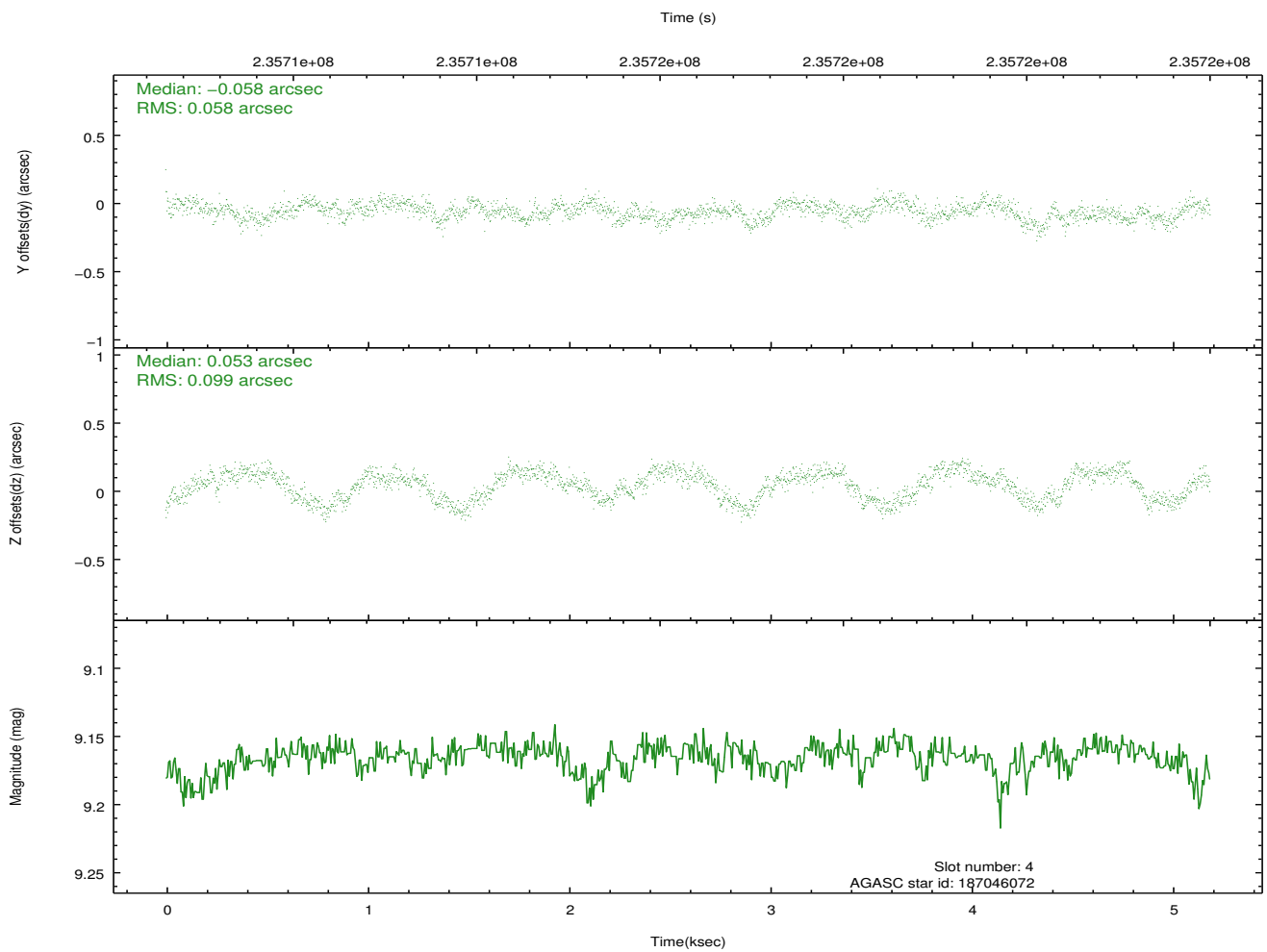
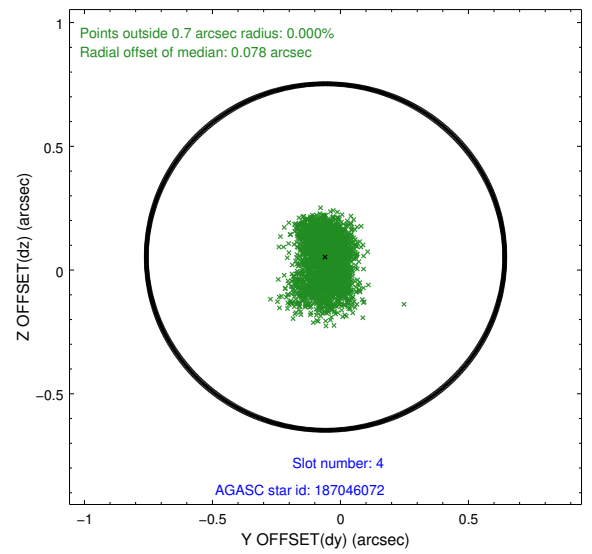
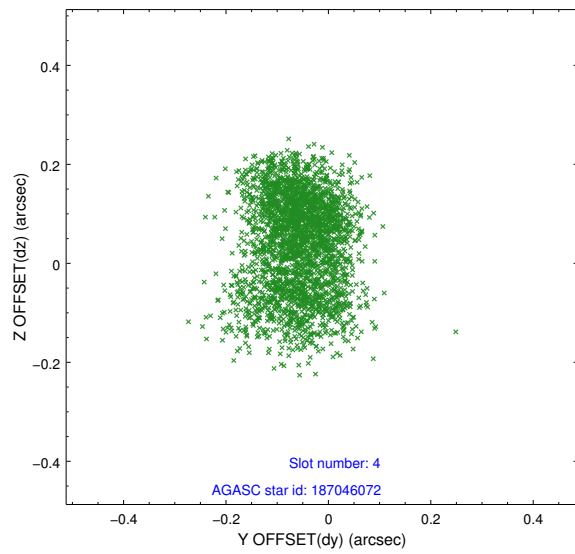
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1266	-0.095	-0.067	0.006	0.011	0.000000	0.000000	-758.87	-1731.03
1	FID	ACIS-S-4	7.21	1266	0.076	0.054	0.006	0.012	0.000000	0.000000	2154.03	176.38
2	FID	ACIS-S-6	7.35	1266	-0.009	0.020	0.007	0.013	0.000000	0.000000	404.68	815.06
3	GUIDE	187042264	9.90	2525	-0.015	0.001	0.149	0.236	159.782172	21.149100	-973.71	-1360.01
4	GUIDE	187046072	9.16	2531	-0.058	0.053	0.123	0.198	159.934660	21.415089	-2038.82	-1147.96
5	GUIDE	187962216	9.85	2532	0.131	-0.407	0.125	0.197	160.305754	21.247116	-1821.07	219.01
6	GUIDE	187963392	8.48	2531	0.105	0.279	0.086	0.145	160.354876	20.553156	520.84	1105.98
7	GUIDE	187045856	10.23	2523	-0.164	0.125	0.258	0.424	159.557970	21.500419	-1969.08	-2443.14

## 2.4 Star Slots

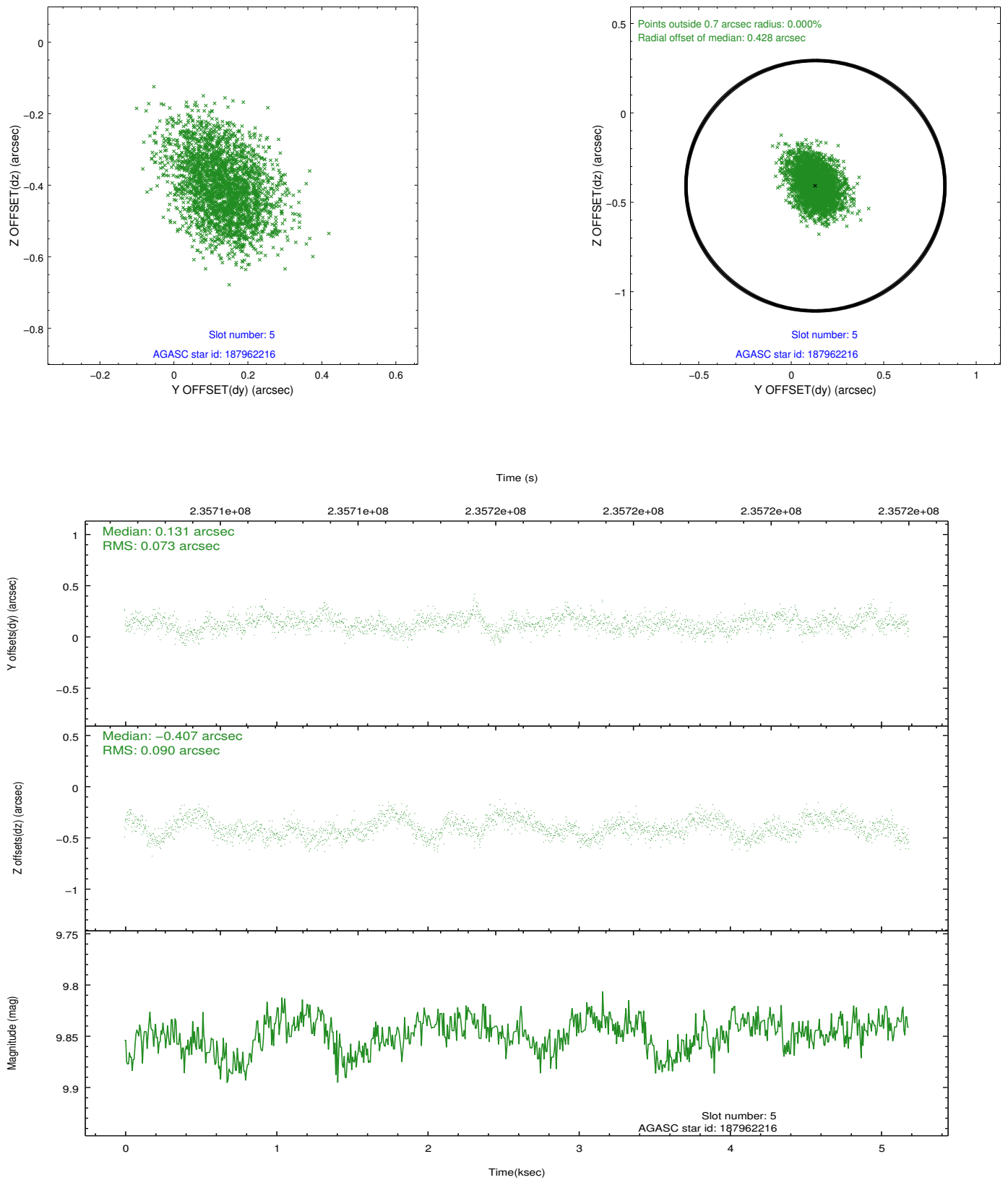
### 2.4.1 Slot 3



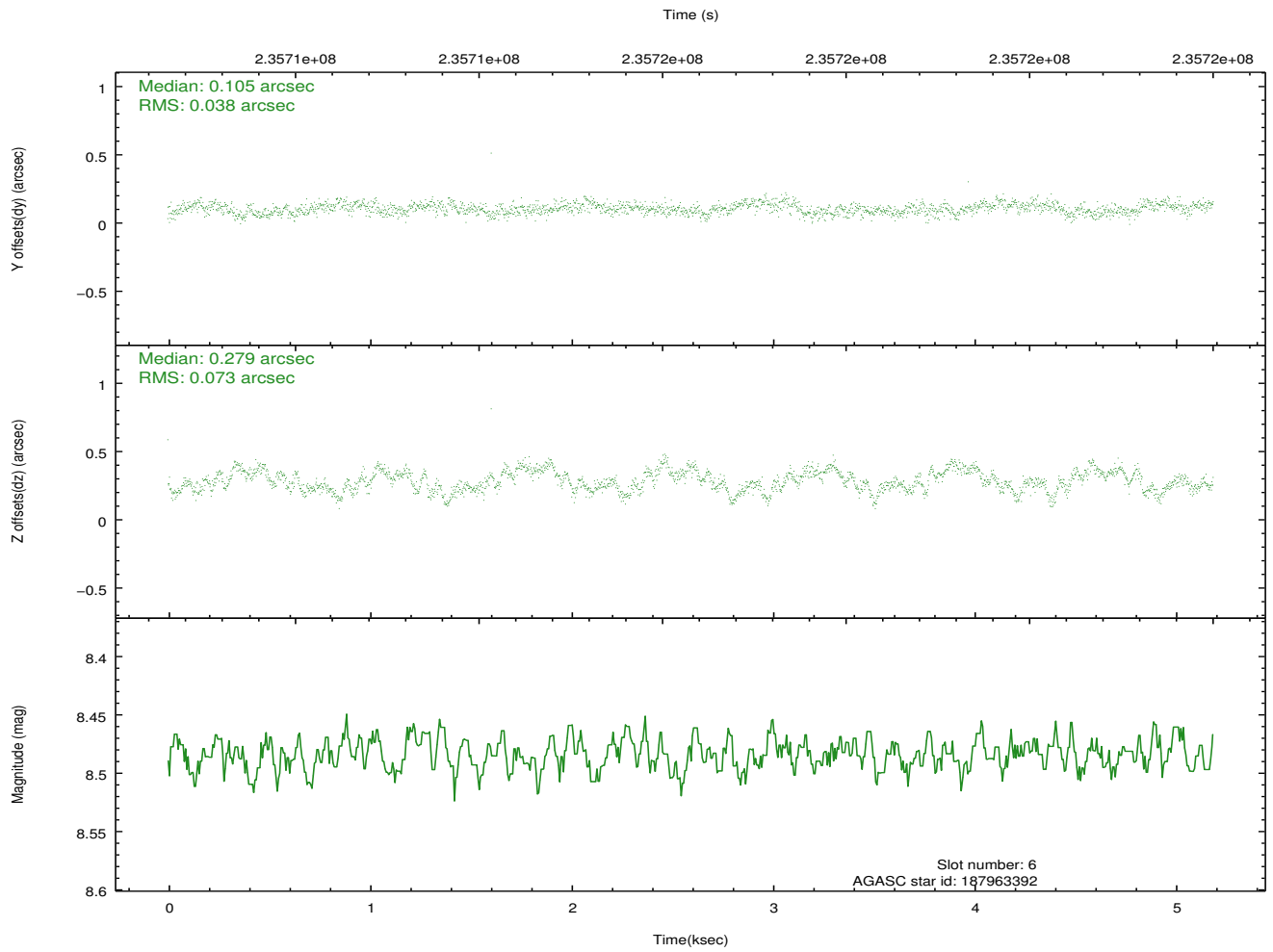
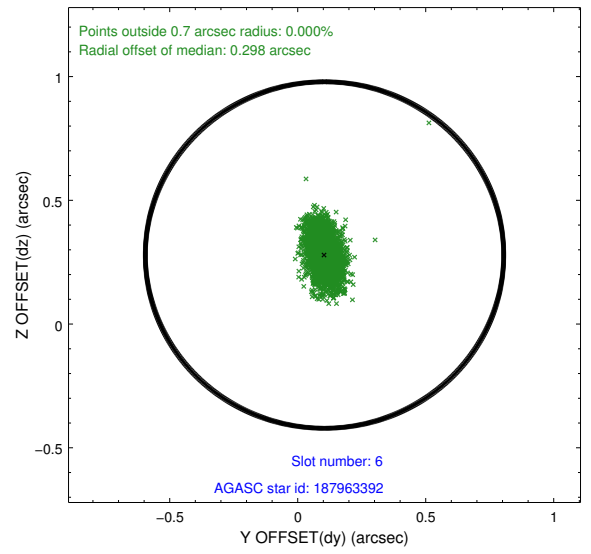
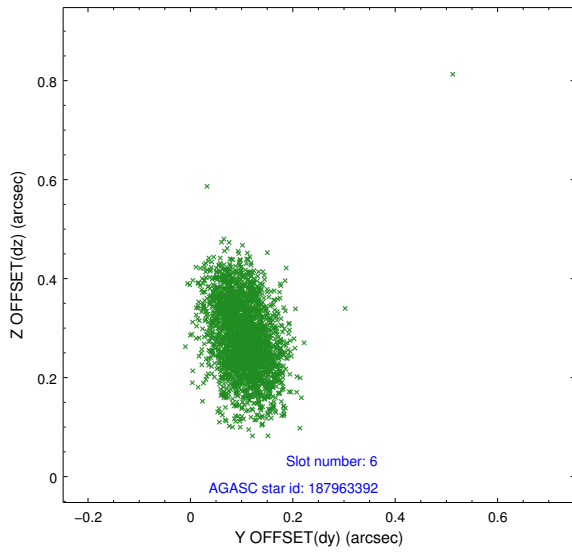
## 2.4.2 Slot 4



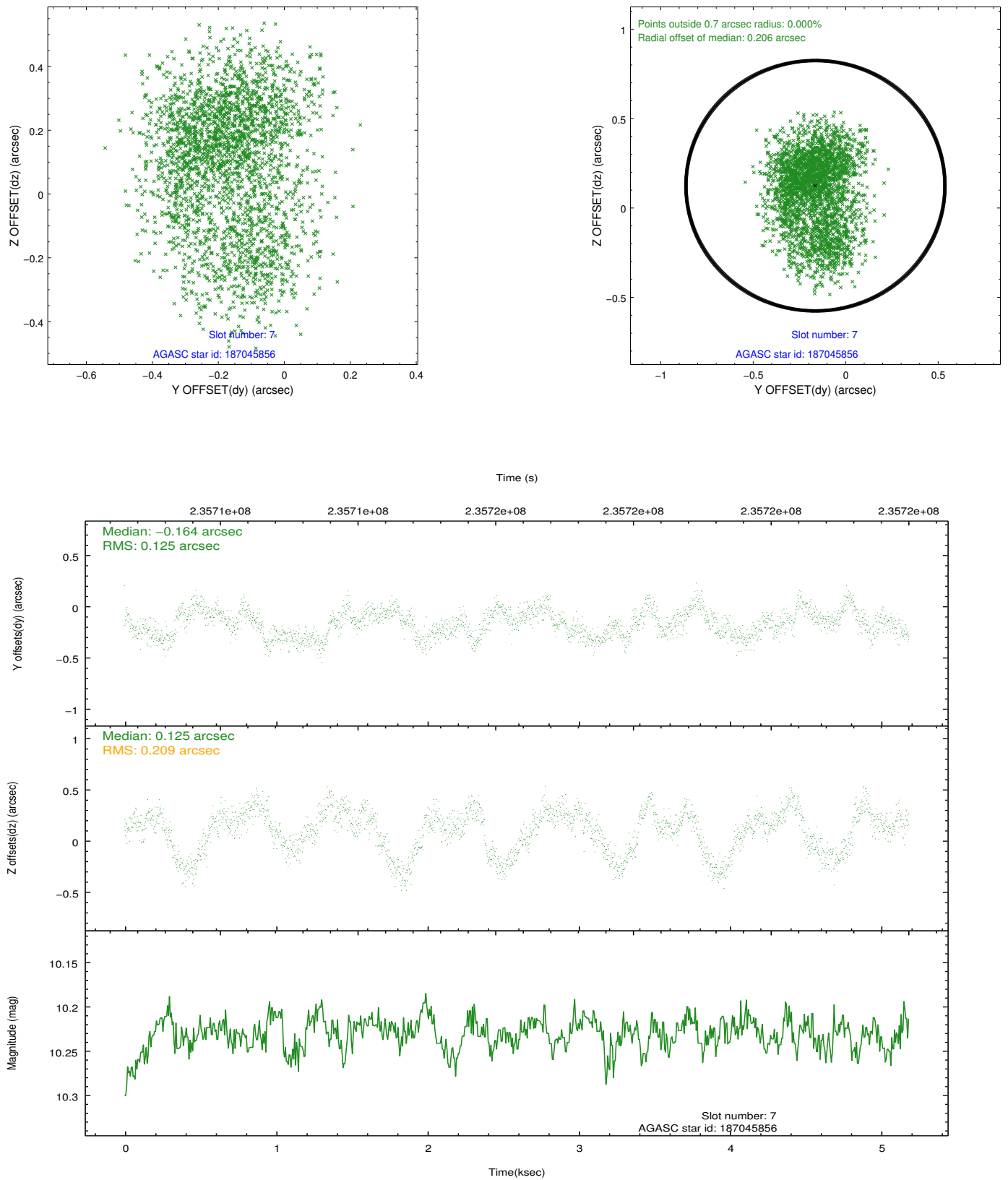
### 2.4.3 Slot 5



### 2.4.4 Slot 6

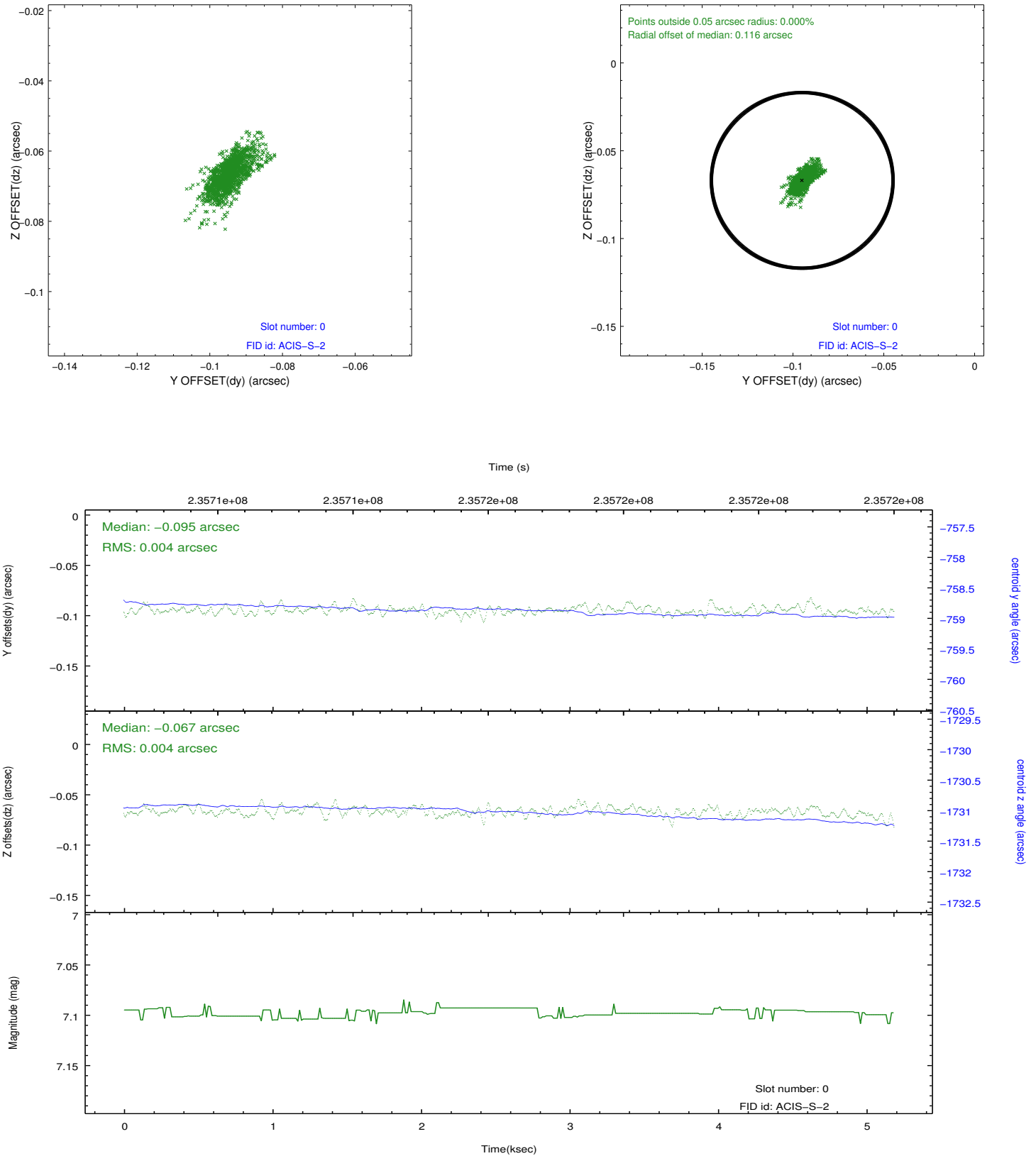


## 2.4.5 Slot 7

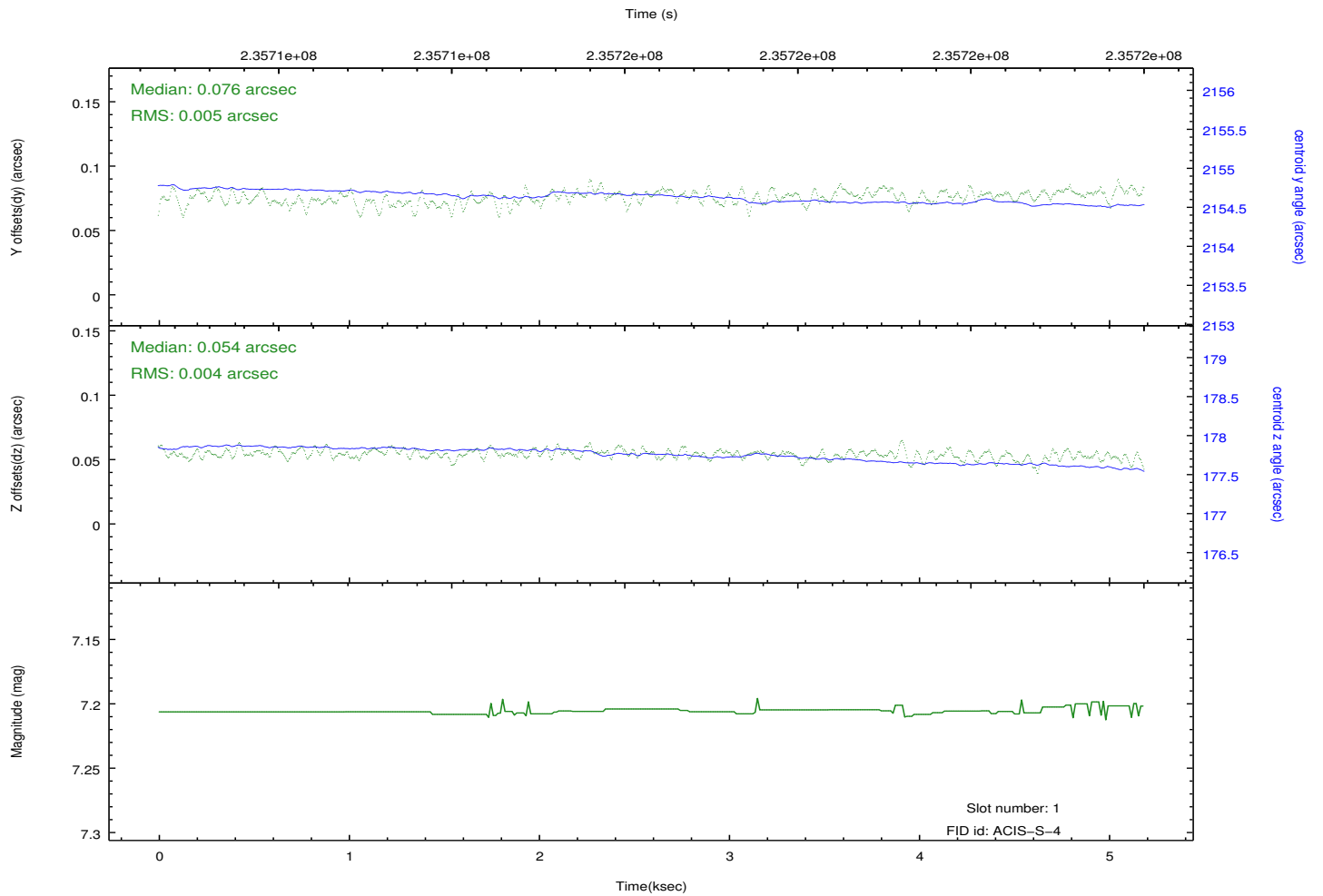
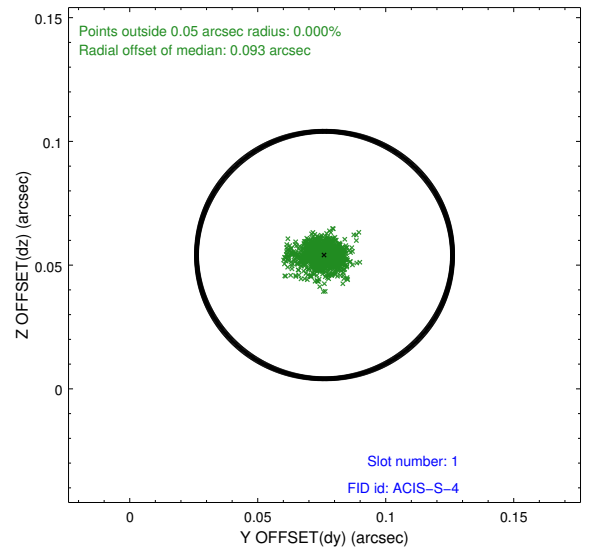
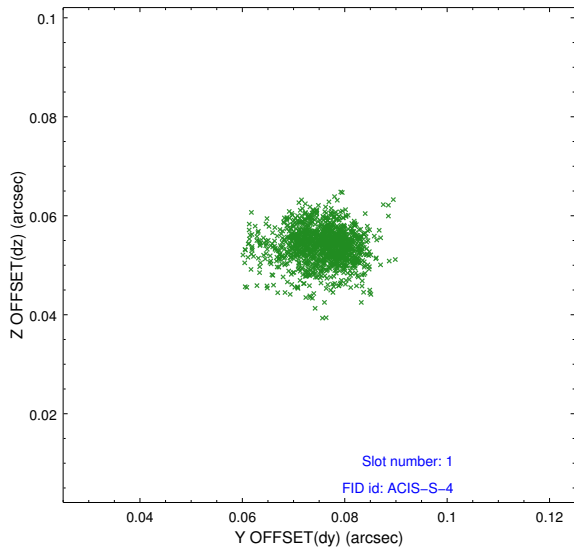


## 2.5 FID Slots

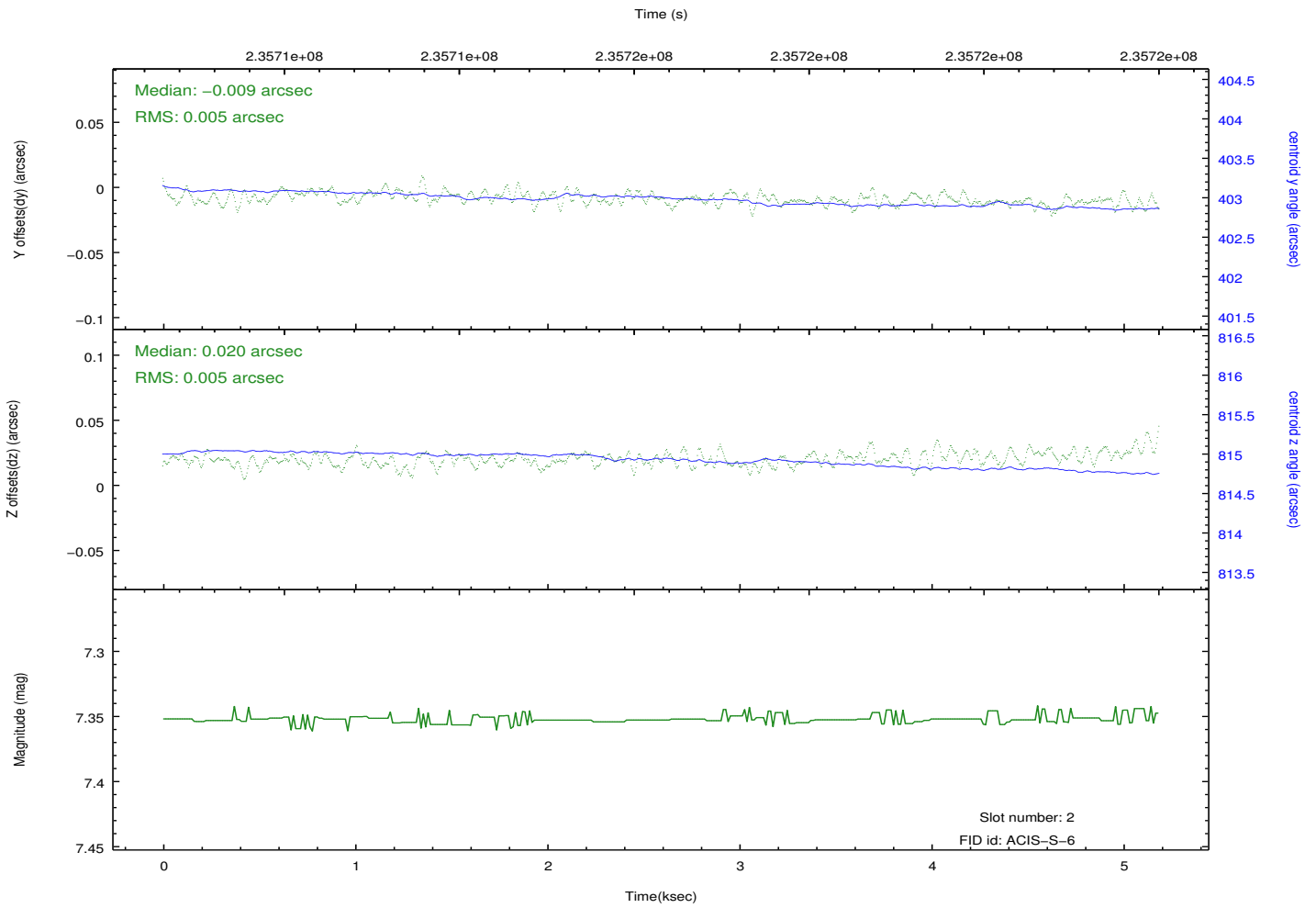
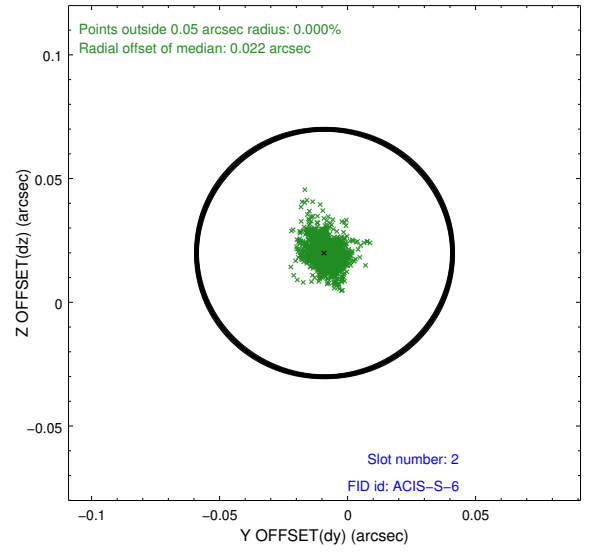
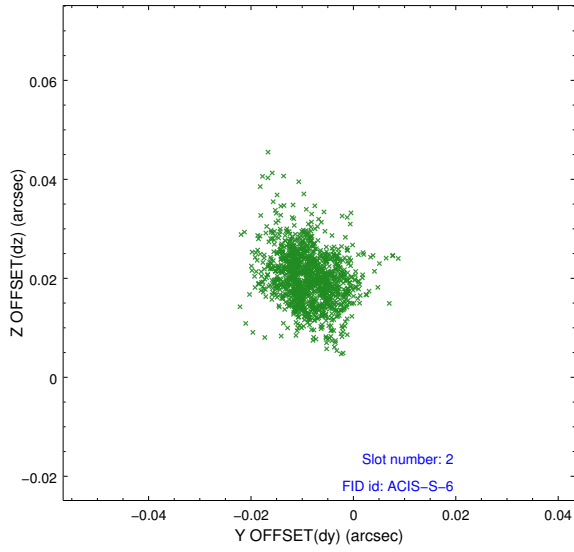
### 2.5.1 Slot 0



## 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)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1855

## A.2 Comments

Joint Proposal: NOAO