

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6439 - L2 Version 2  
Chandra X-Ray Center

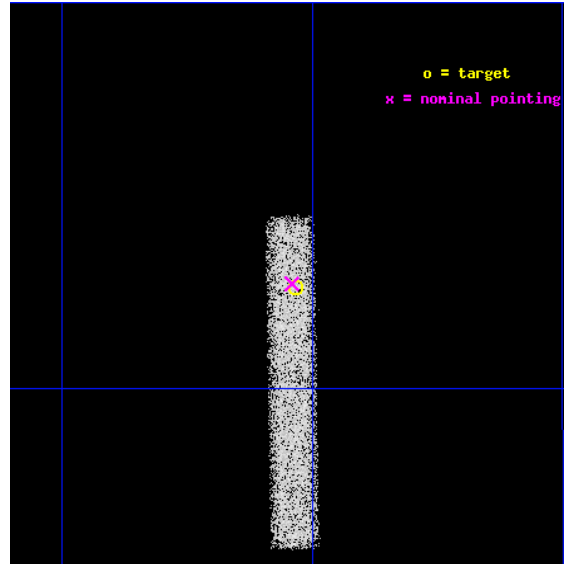
L2 Processing Date : Mar 18 2012

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# 1 Front

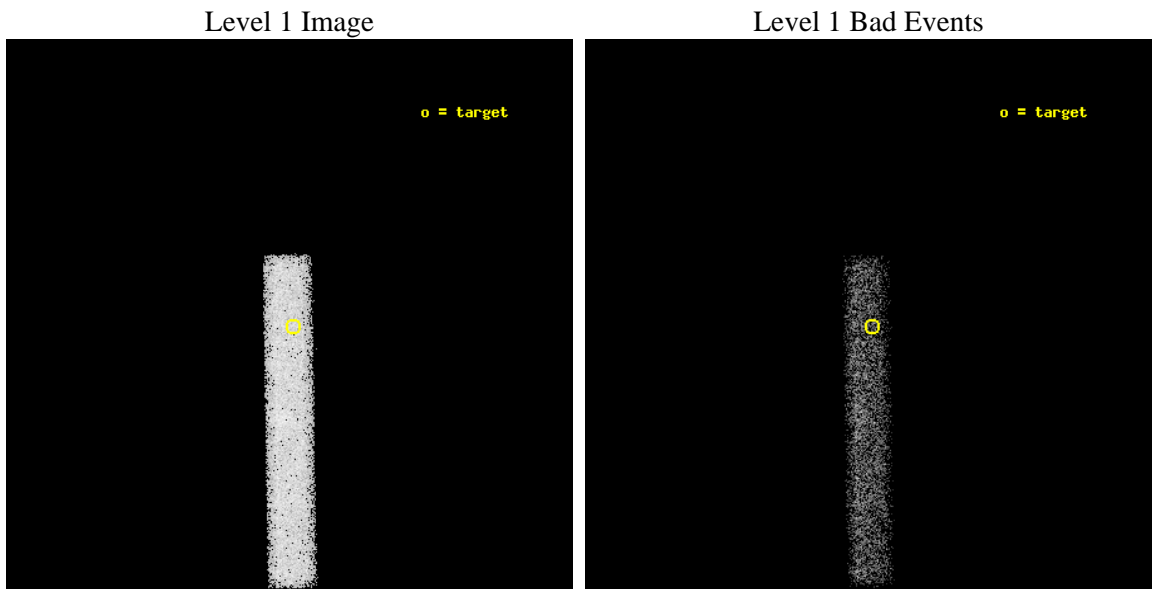
seq_num	200413	Sequence number
obs_id	6439	Observation id
title	MAGNETIC FIELDS ON 'ALIEN DWARFS': CORONAL ACTIVITY IN THE ARCTURUS MOVING GROUP	Proposal title
observer	Dr Alexander Brown	Principal investigator
object	HD65583	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.133333	Observer's specified target RA [deg]
dec_targ	29.210417	Observer's specified target Dec [deg]
ra_nom	120.13527913675	Nominal RA [deg]
dec_nom	29.211629863353	Nominal Dec [deg]
roll_nom	89.026118115306	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25136.400374532	Sum of GTIs [s]
livetime	22797.388331699	Livetime [s]
ontime7	25136.400374532	Sum of GTIs [s]
l2events	16268	Number of level 2 events



## 2 OBI

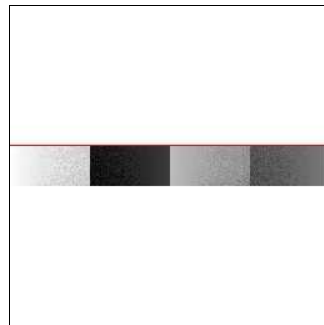
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	25136.400374532	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime7	25136.400374532	Sum of GTIs [s]
date	2012-03-18T10:31:51	Date and time of file creation	l1events	37647	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

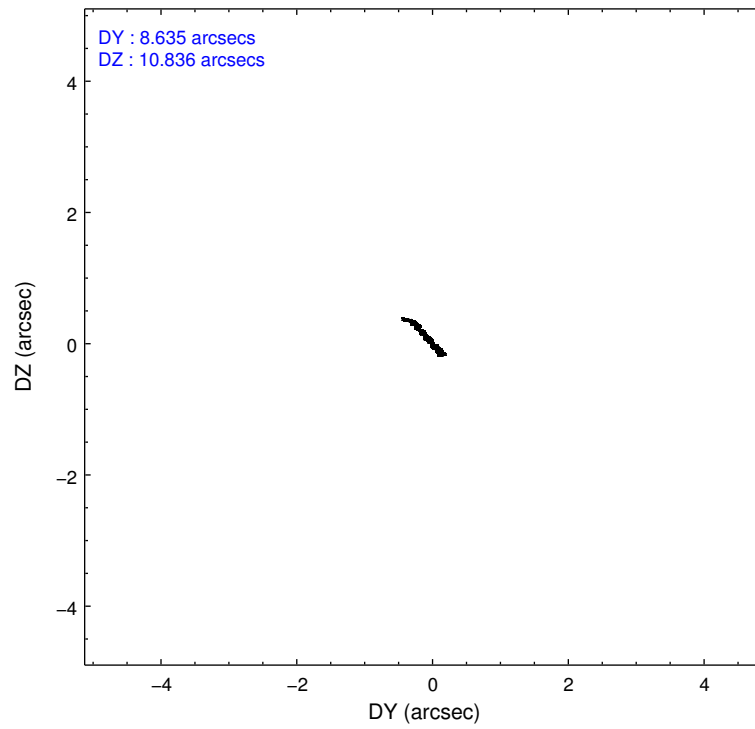
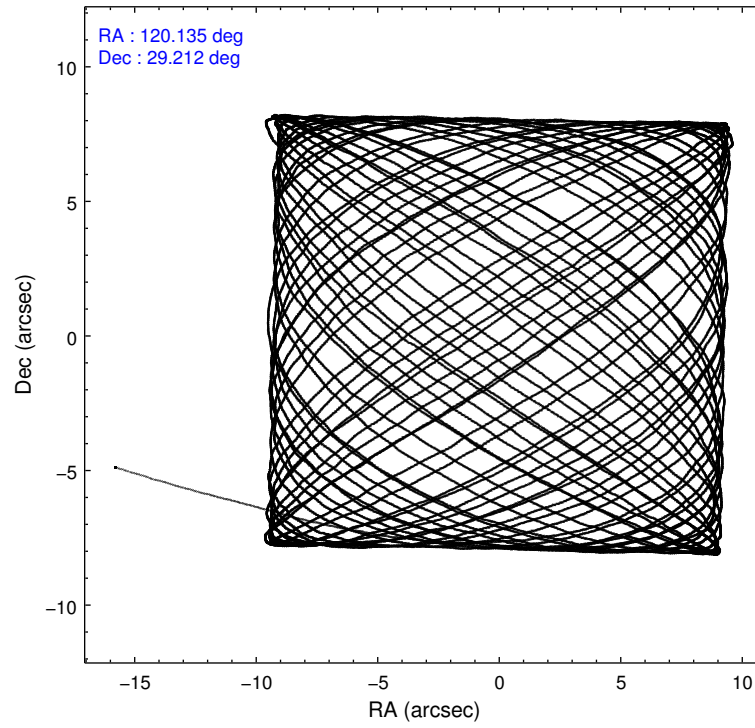
	<b>ccd 7</b>
level 1 events	37647
rejected events	20699
rejected %	54%

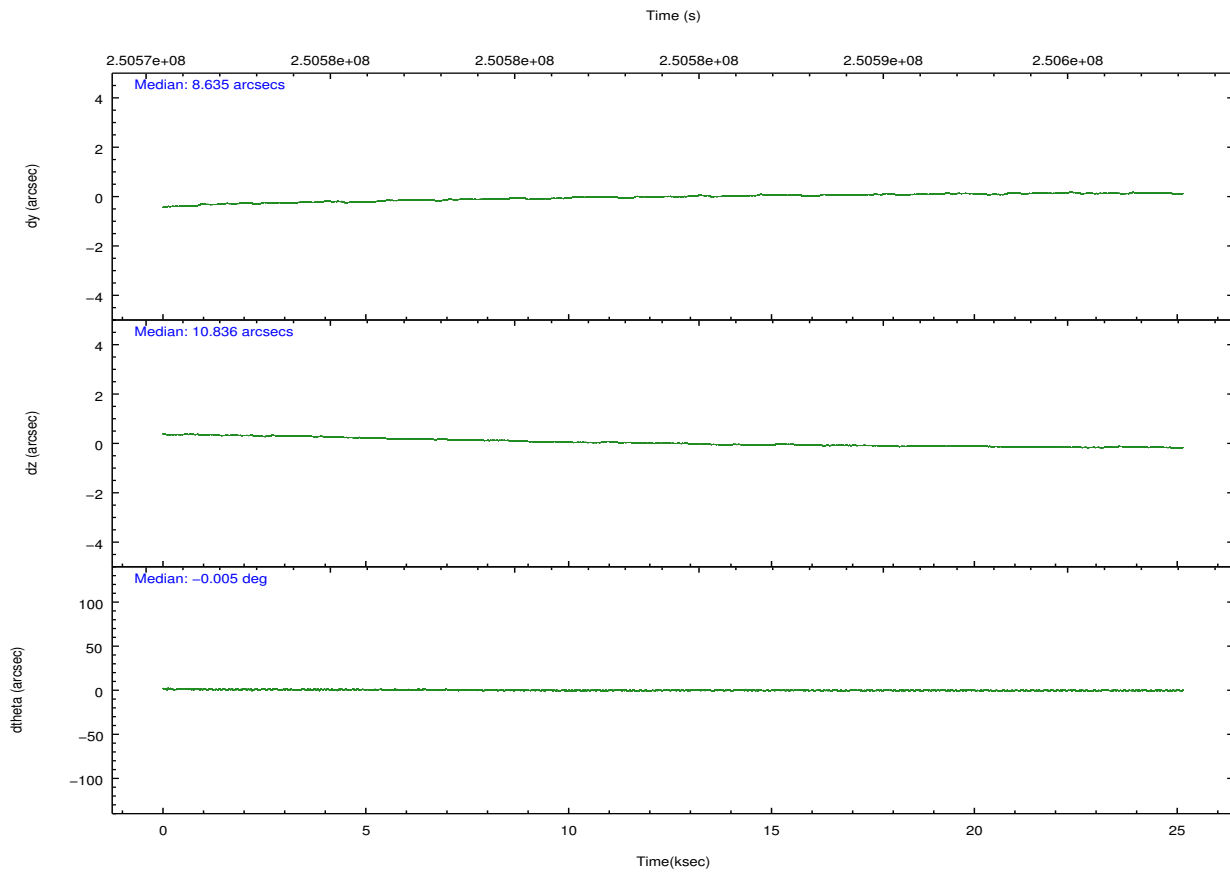
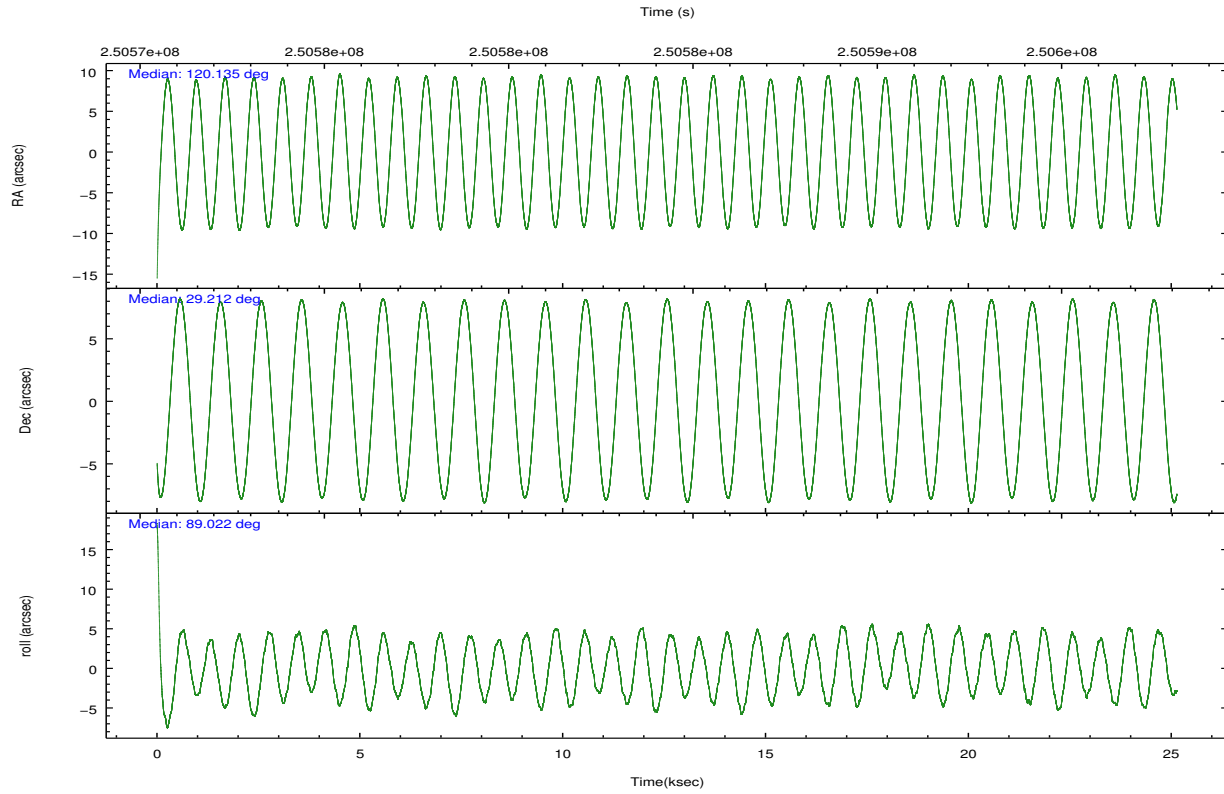
	<b>ccd 7</b>
grade 0 events	1745
	4%
grade 1 events	40
	0%
grade 2 events	3273
	8%
grade 3 events	2165
	5%
grade 4 events	2150
	5%
grade 5 events	3551
	9%
grade 6 events	8035
	21%
grade 7 events	16688
	44%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	120.150769	120.1352791367508	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	29.188003	29.21162986335299	Subarray start row	449	449
[deg] Pointing Roll	88.861926	89.02611811530559	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	250571869.184000	250570810.85347			
Observation start date	2005-12-10T03:16:45	2005-12-10T03:00:10			
[s] Observation end time (MET)	250596869.184000	250597831.39222			
Observation end date	2005-12-10T10:13:25	2005-12-10T10:30:31			
Read mode	TIMED	TIMED			

## 2.3 Aspect



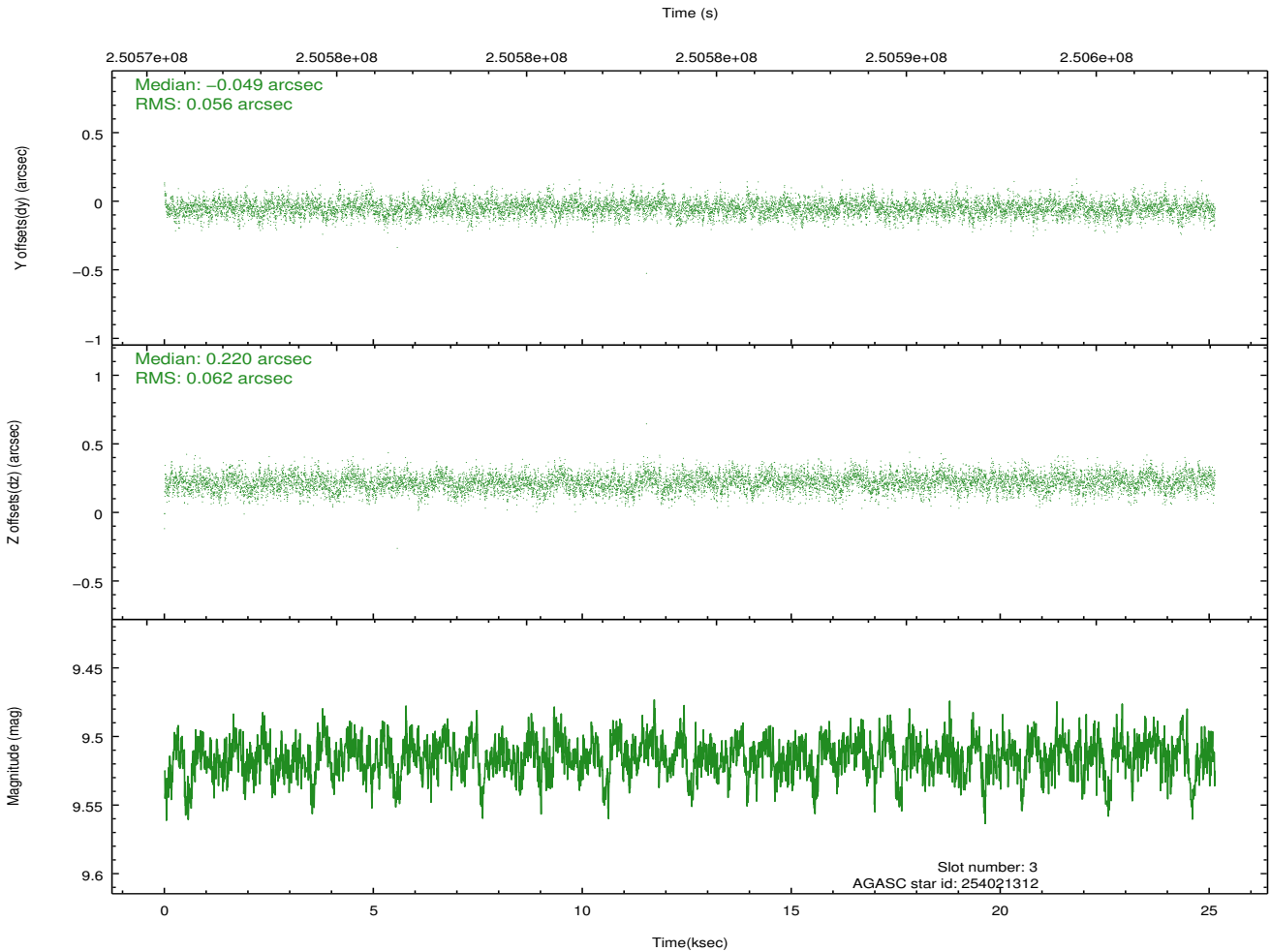
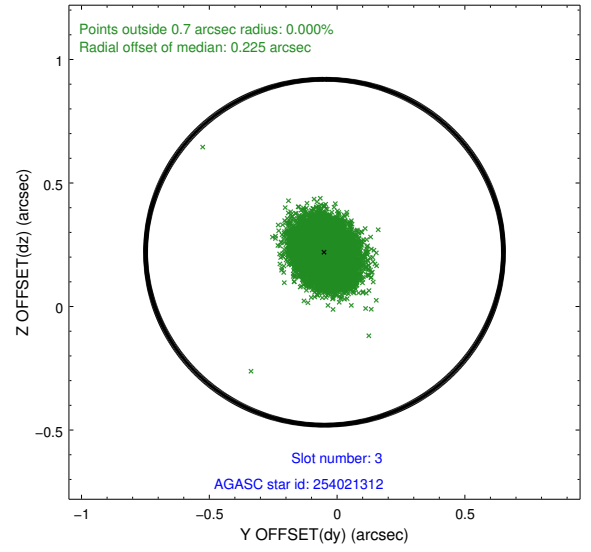
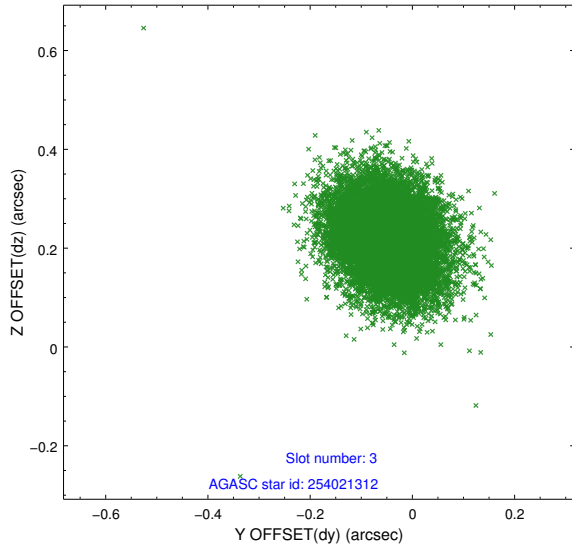


### Slot Statistics

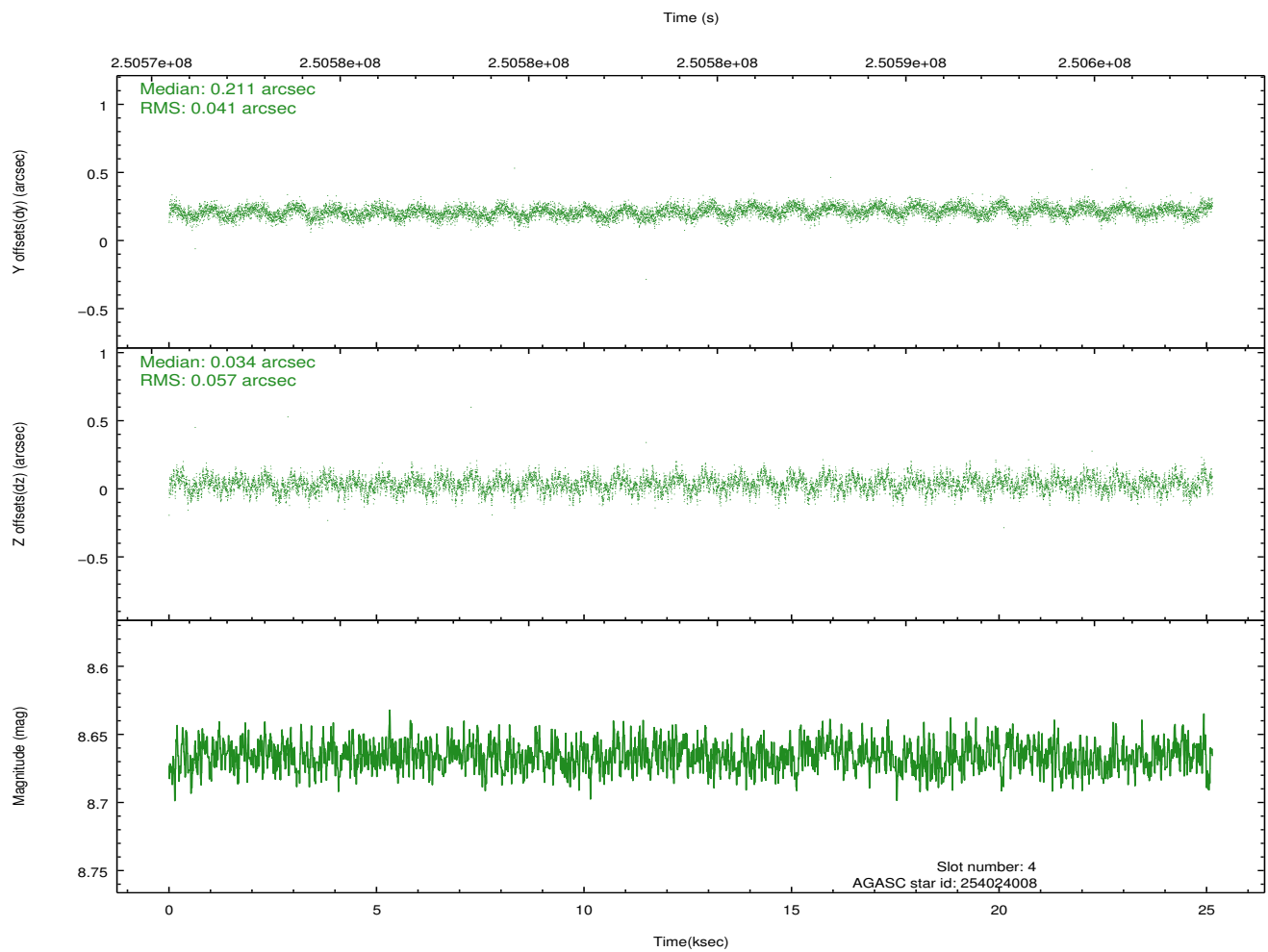
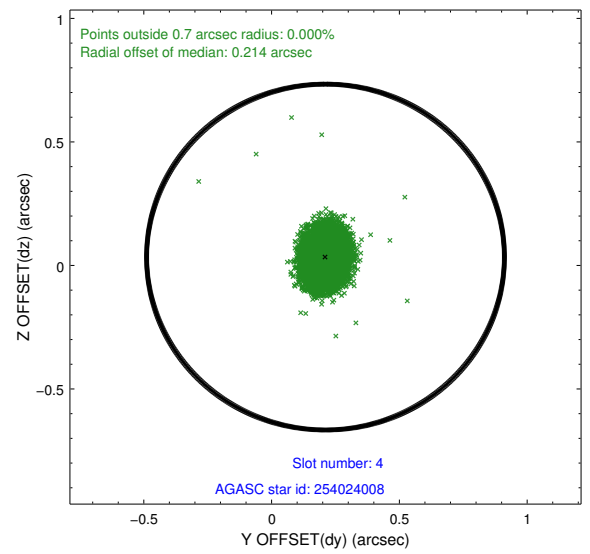
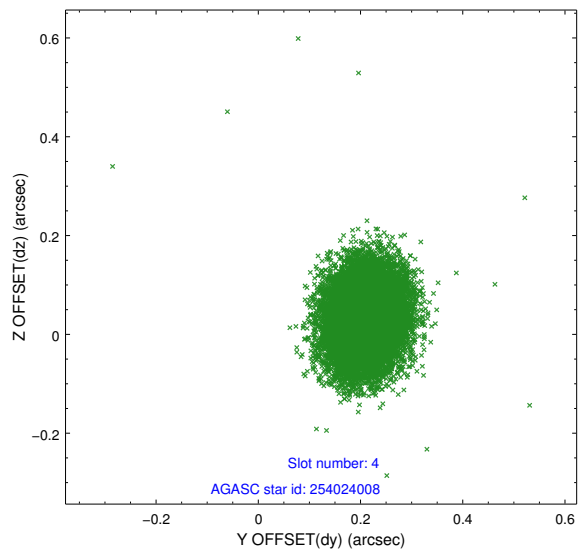
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6130	-0.038	-0.018	0.009	0.015	0.000000	0.000000	-761.39	-1732.18
1	FID	ACIS-S-4	7.21	6131	0.138	0.023	0.009	0.016	0.000000	0.000000	2151.97	176.29
2	FID	ACIS-S-5	7.23	6132	-0.131	0.003	0.009	0.015	0.000000	0.000000	-1814.22	169.98
3	GUIDE	254021312	9.51	12250	-0.049	0.220	0.088	0.145	120.855404	29.533869	1295.85	-2181.36
4	GUIDE	254024008	8.67	12261	0.211	0.034	0.074	0.120	120.467432	28.633647	-1973.46	-1040.08
5	GUIDE	254025808	9.10	12256	0.081	-0.008	0.090	0.147	120.362886	29.597303	1487.21	-634.31
6	GUIDE	254030600	8.49	12258	-0.078	0.100	0.090	0.140	120.885272	28.753200	-1511.24	-2348.64
7	GUIDE	254018400	7.79	12259	-0.165	-0.346	0.067	0.107	119.474627	29.516834	1147.51	2141.19

## 2.4 Star Slots

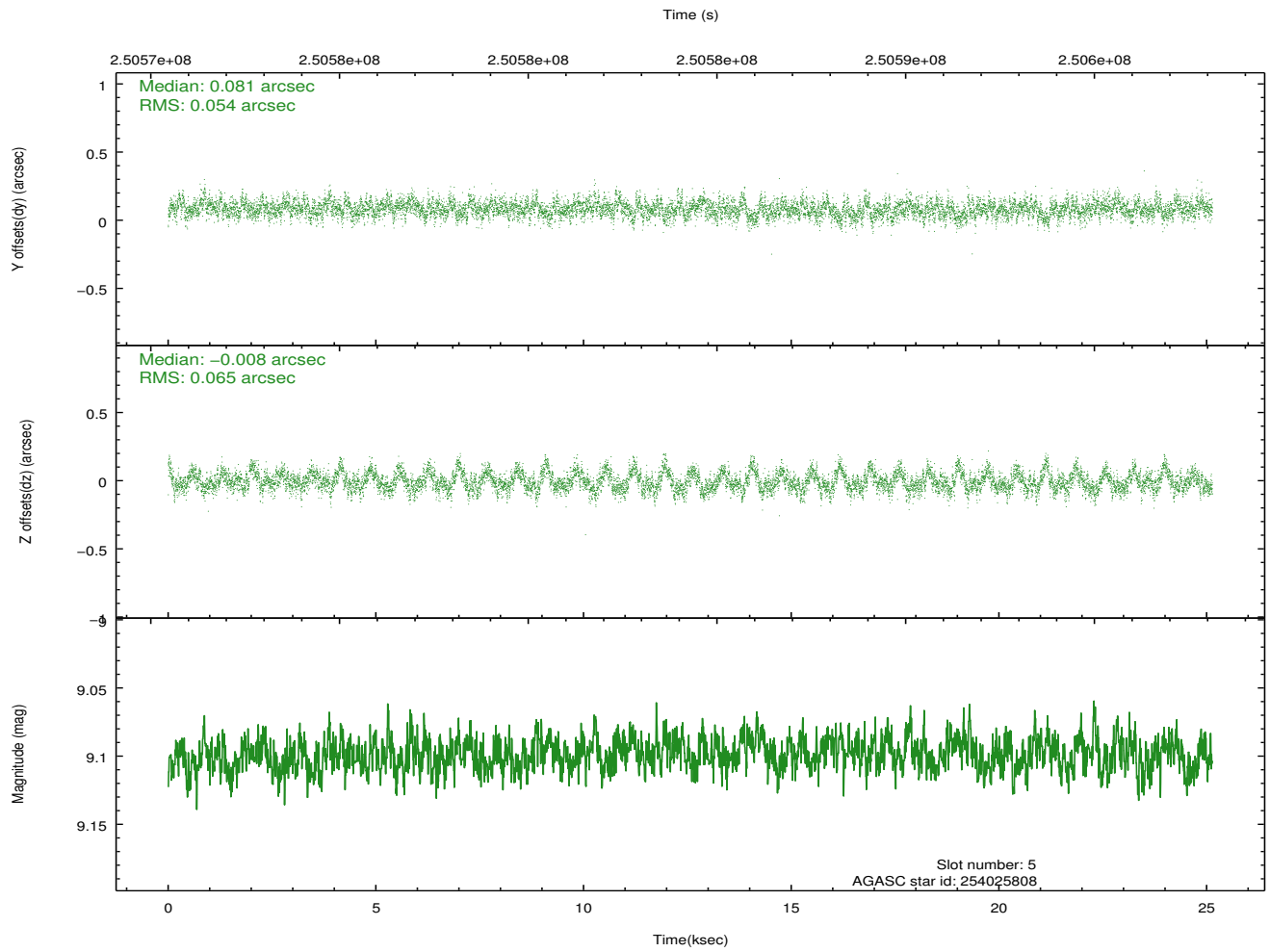
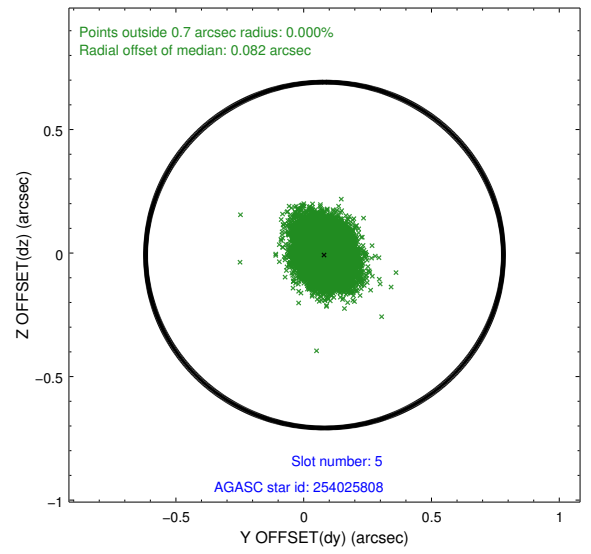
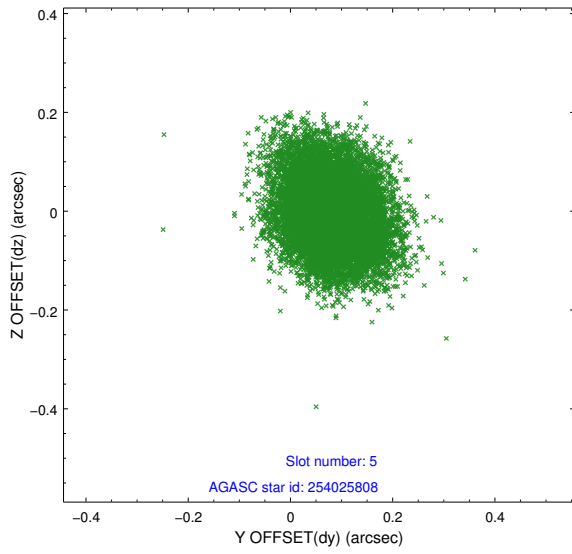
### 2.4.1 Slot 3



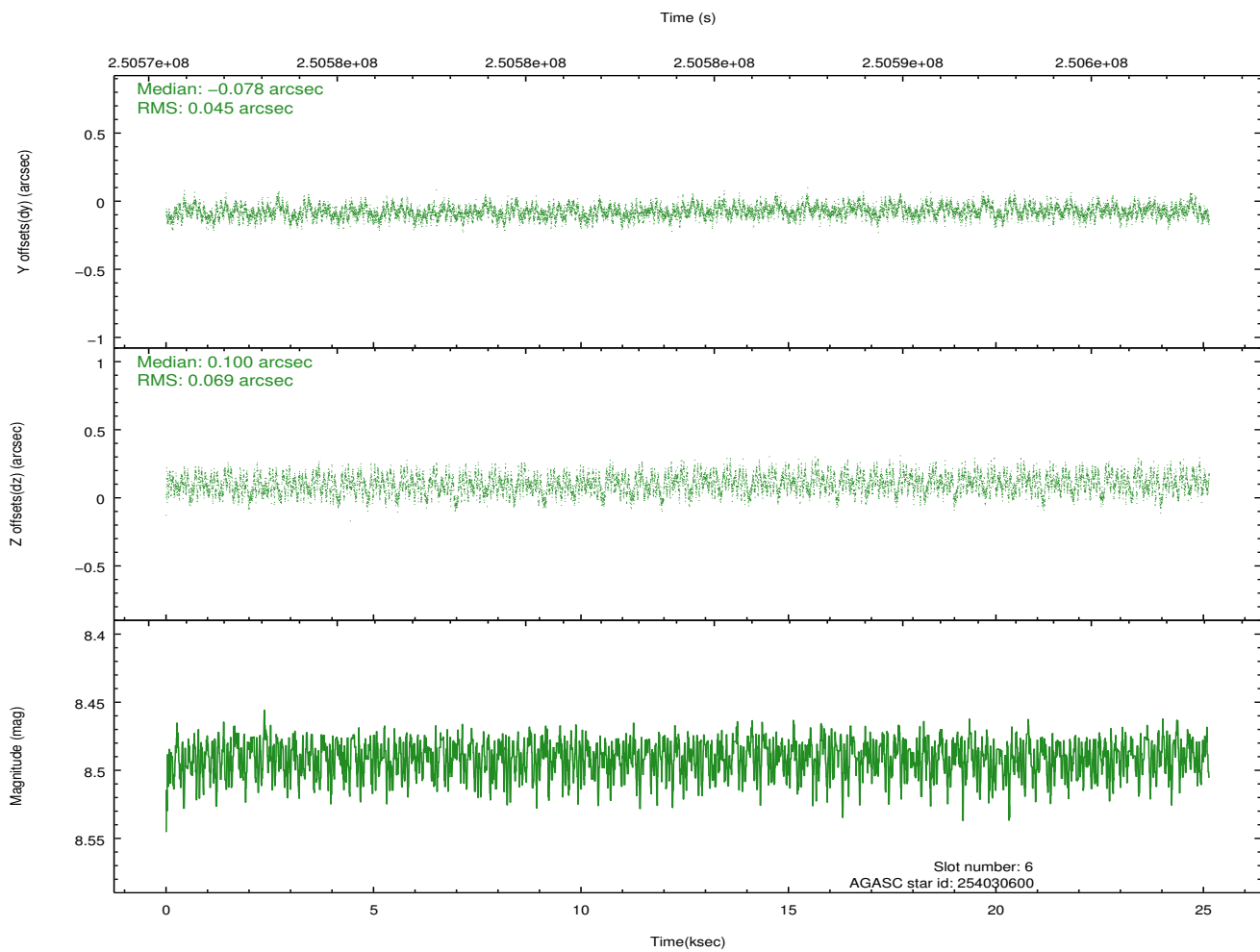
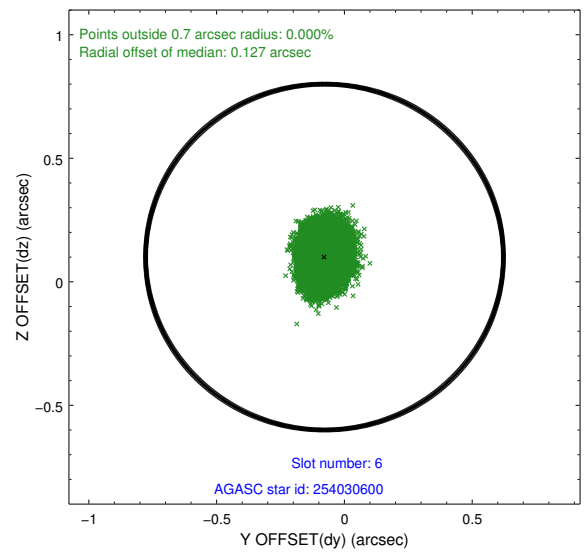
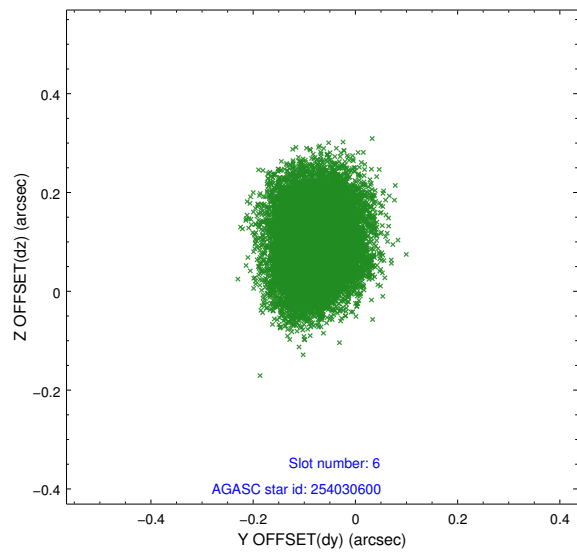
## 2.4.2 Slot 4



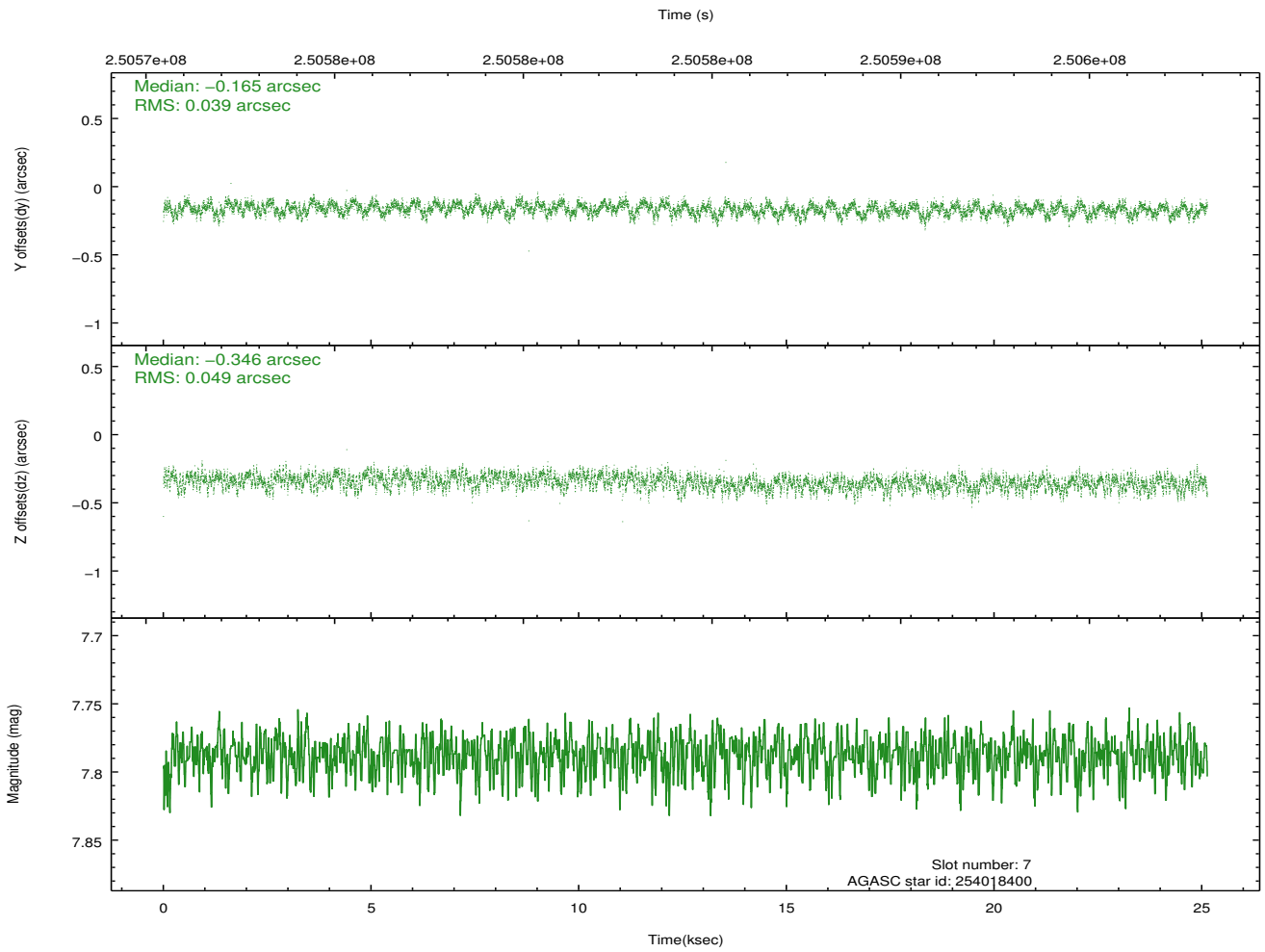
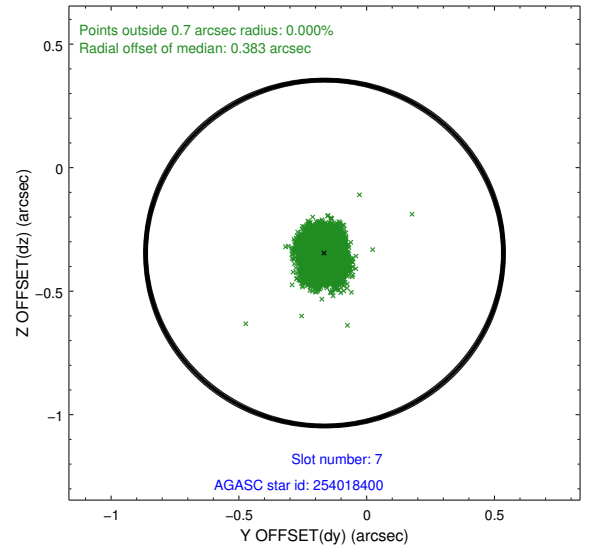
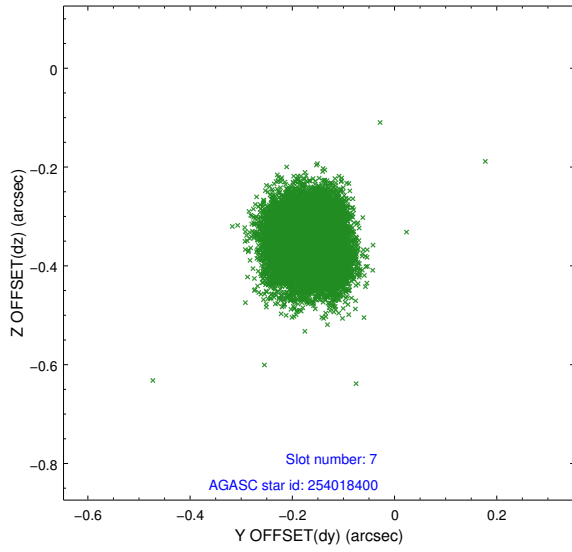
### 2.4.3 Slot 5



## 2.4.4 Slot 6

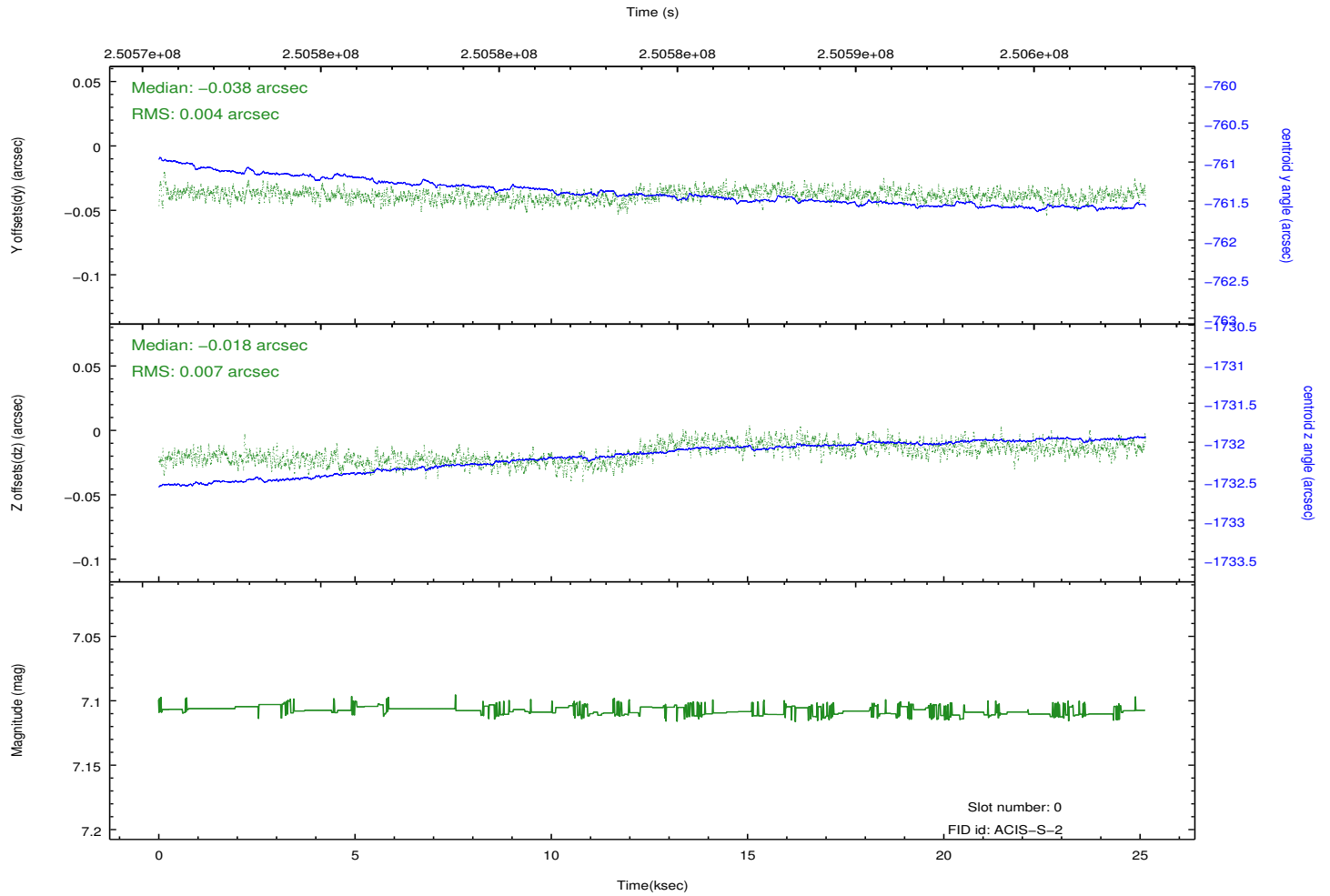
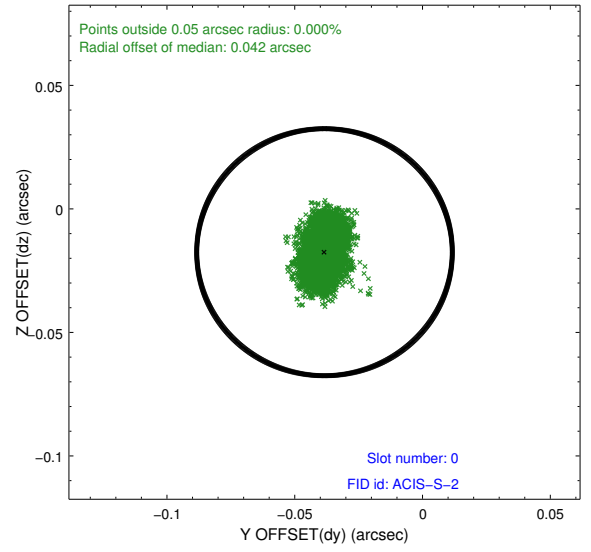
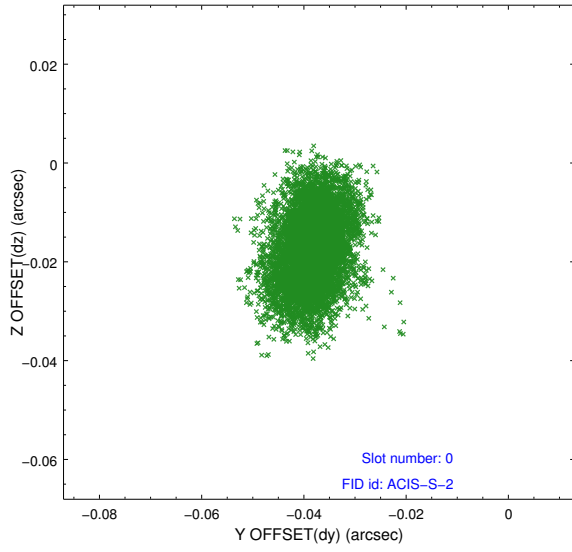


### 2.4.5 Slot 7

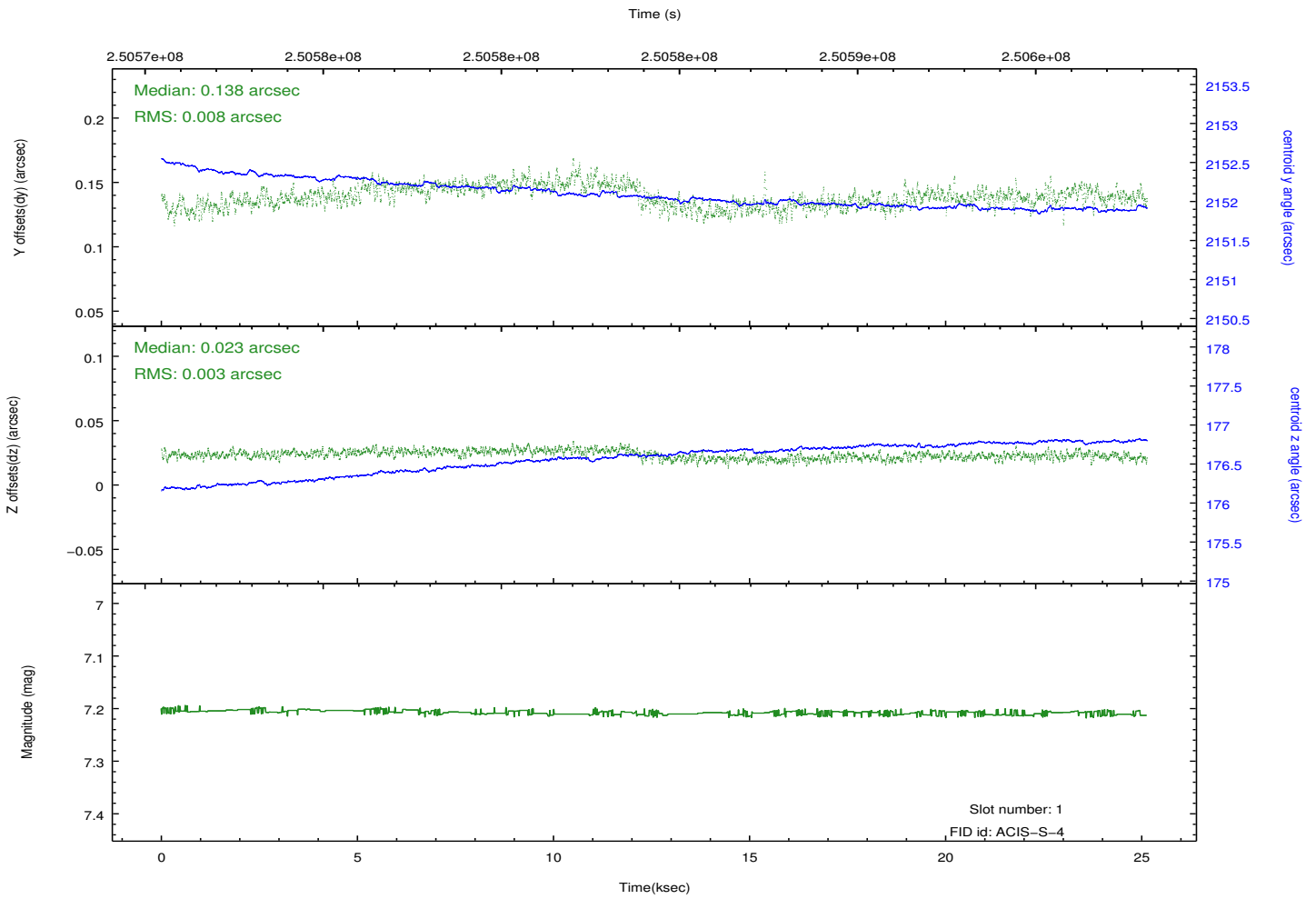
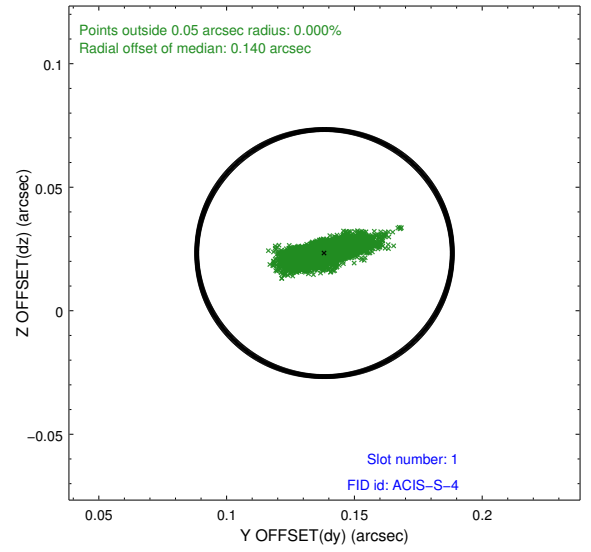
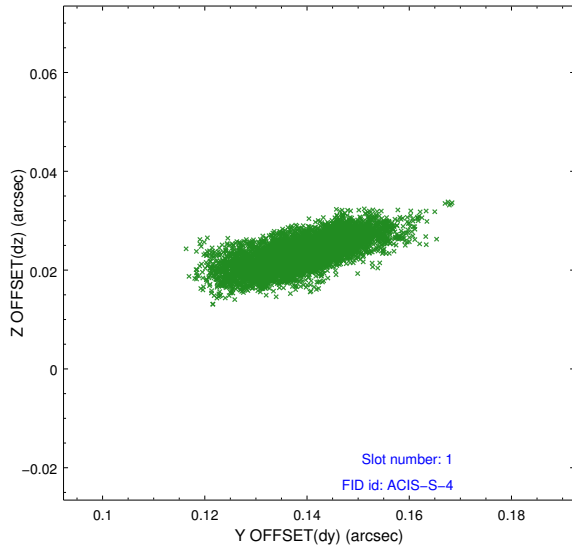


## 2.5 FID Slots

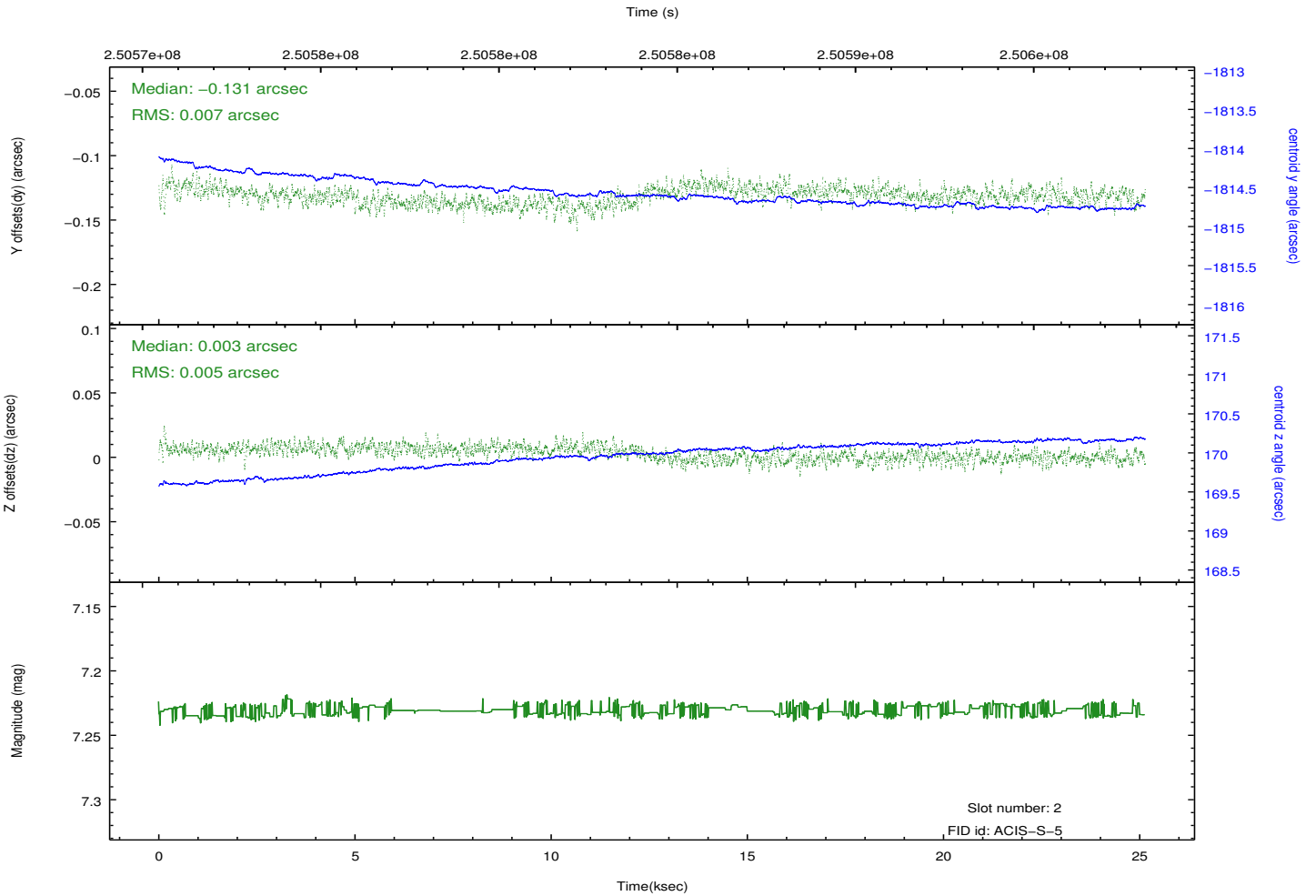
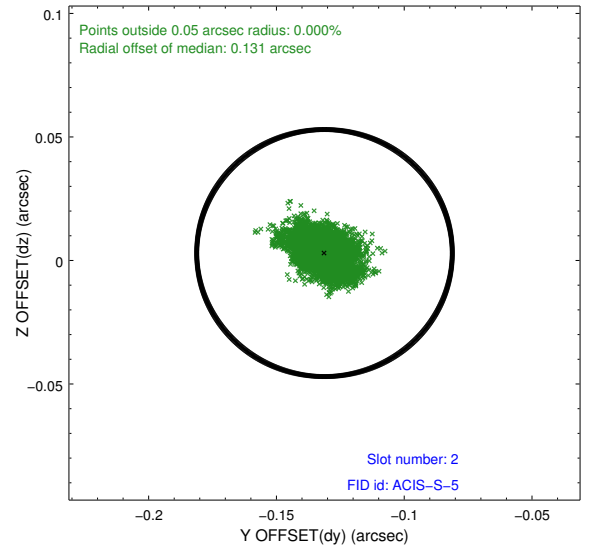
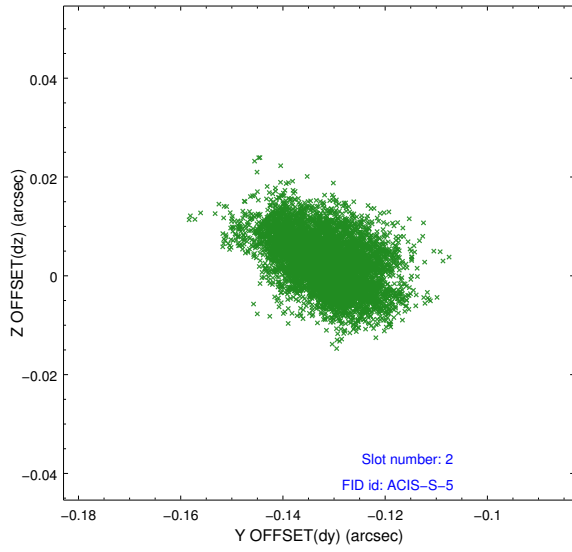
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1364

## A.2 Comments