

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4786 - L2 Version 3  
Chandra X-Ray Center

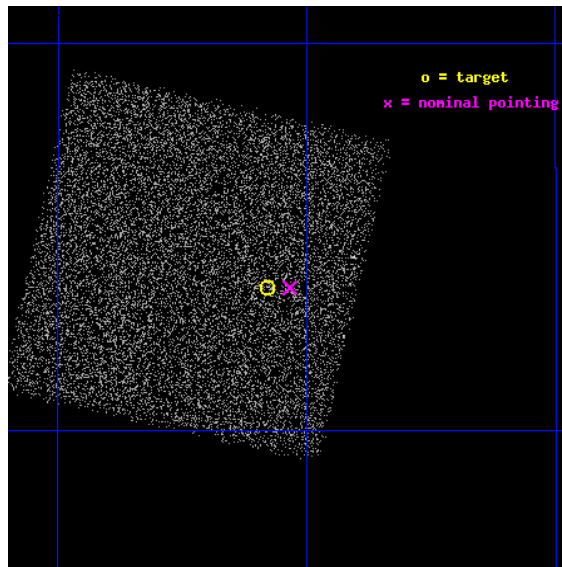
L2 Processing Date : Dec 1 2012

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# 1 Front

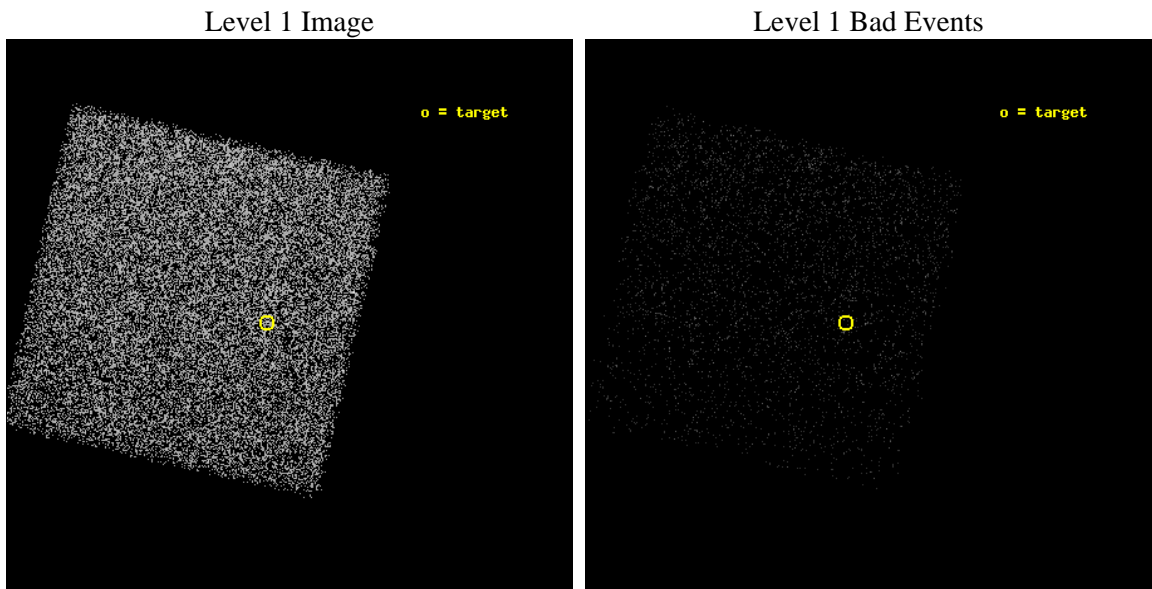
seq_num	700869	Sequence number
obs_id	4786	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1425-1071	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.269583	Observer's specified target RA [deg]
dec_targ	29.7285	Observer's specified target Dec [deg]
ra_nom	217.25859196741	Nominal RA [deg]
dec_nom	29.728047386085	Nominal Dec [deg]
roll_nom	192.79869981864	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4434.0	Sum of GTIs [s]
livetime	4374.1614710757	Livetime [s]
ontime7	4434.0	Sum of GTIs [s]
l2events	17072	Number of level 2 events



## 2 OBI

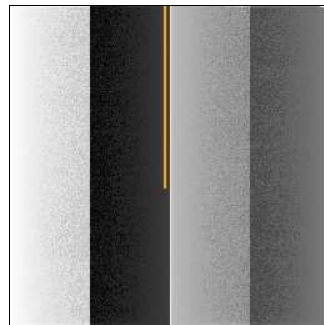
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4434.0	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime7	4434.0	Sum of GTIs [s]
date	2012-12-01T05:42:44	Date and time of file creation	l1events	43648	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

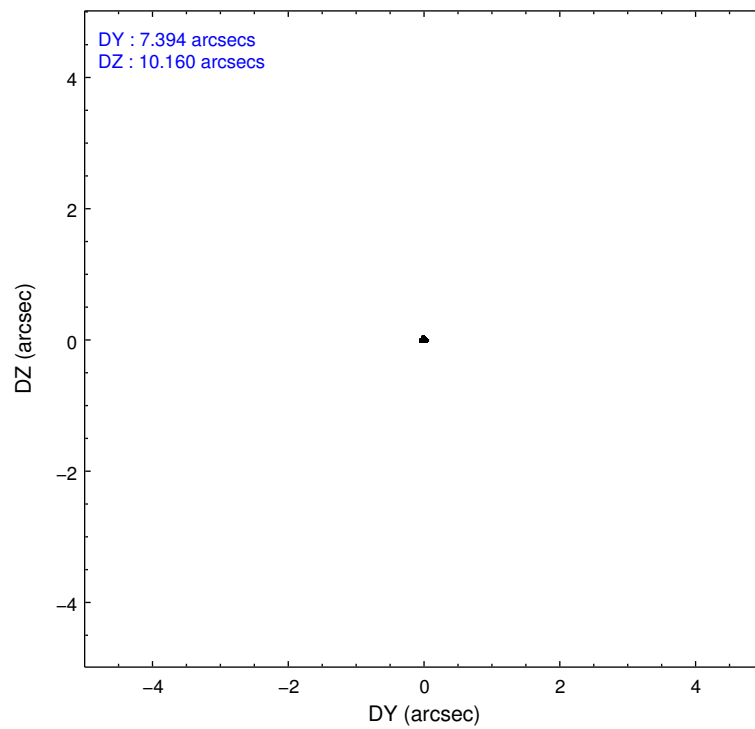
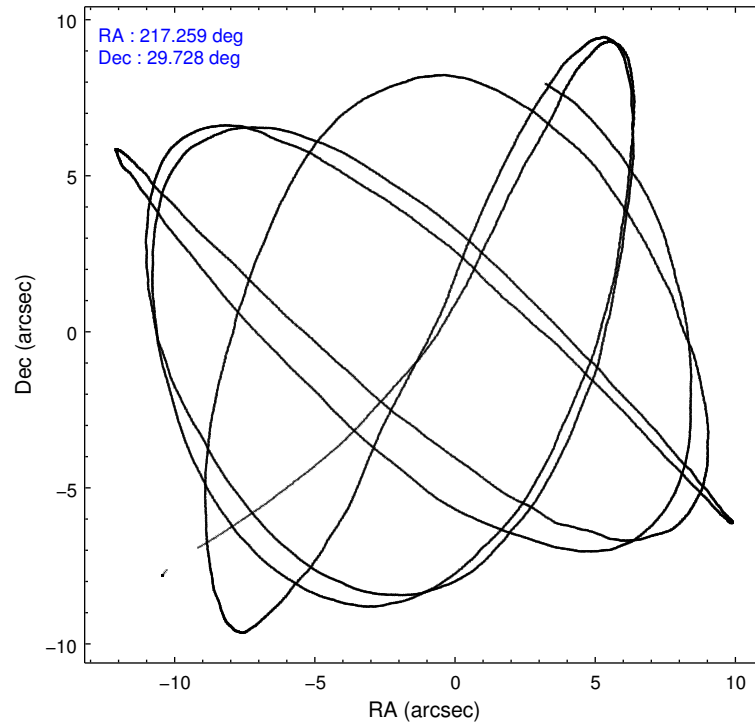
	<b>ccd 7</b>
level 1 events	43648
rejected events	26120
rejected %	59%

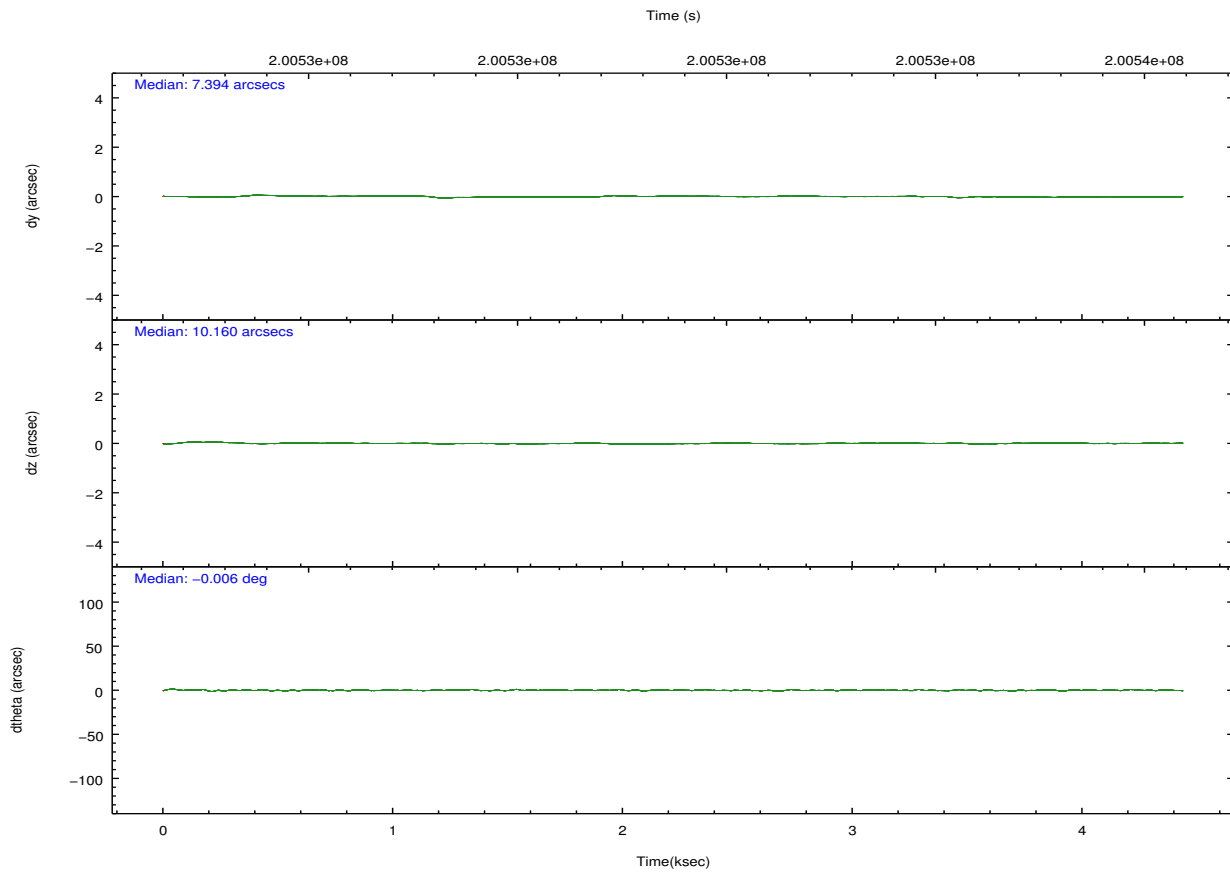
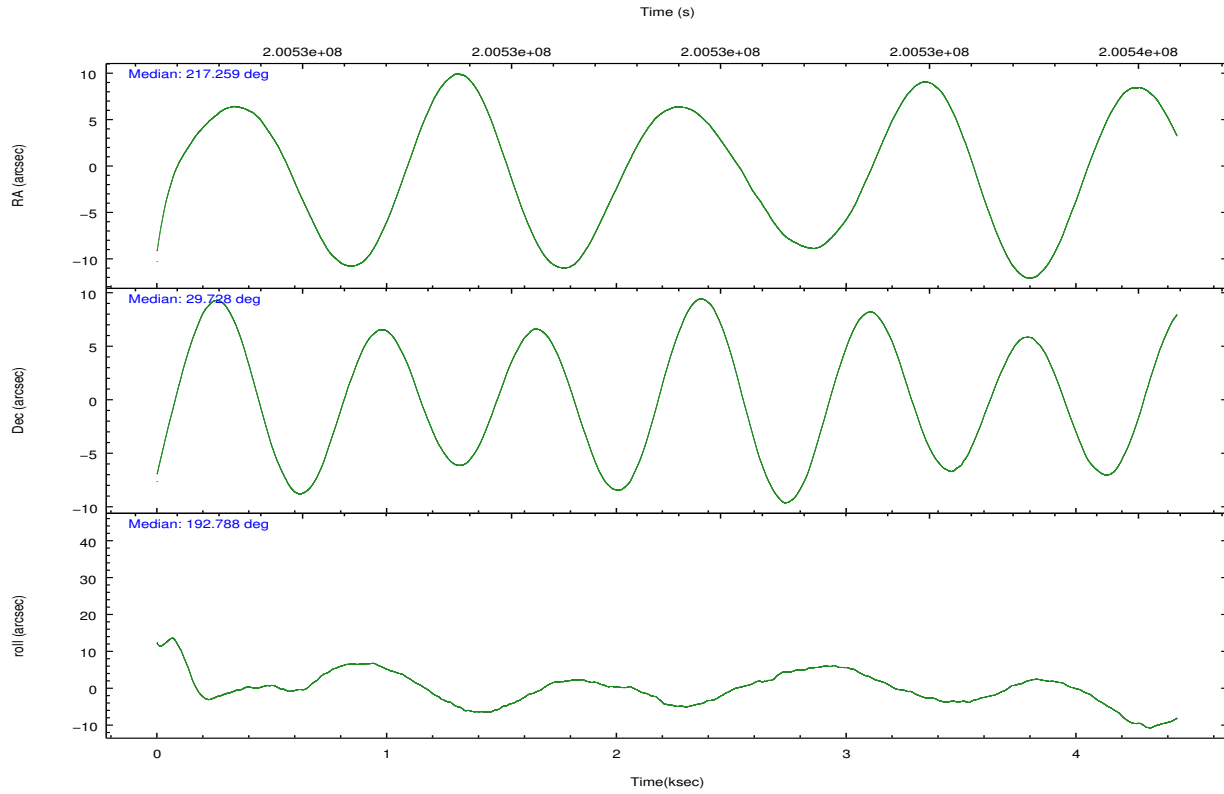
	<b>ccd 7</b>
grade 0 events	1680
	3%
grade 1 events	35
	0%
grade 2 events	3549
	8%
grade 3 events	1694
	3%
grade 4 events	1625
	3%
grade 5 events	4126
	9%
grade 6 events	9819
	22%
grade 7 events	21120
	48%

## 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	217.281178	217.258591967415	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.746811	29.72804738608544	Alternating exposures requested	N	N
[deg] Pointing Roll	192.630870	192.7986998186397	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	200530968.184000	200529881.16509			
Observation start date	2004-05-09T23:01:44	2004-05-09T22:44:41			
[s] Observation end time (MET)	200534968.184000	200535141.97782			
Observation end date	2004-05-10T00:08:24	2004-05-10T00:12:21			
Read mode	TIMED	TIMED			

## 2.3 Aspect



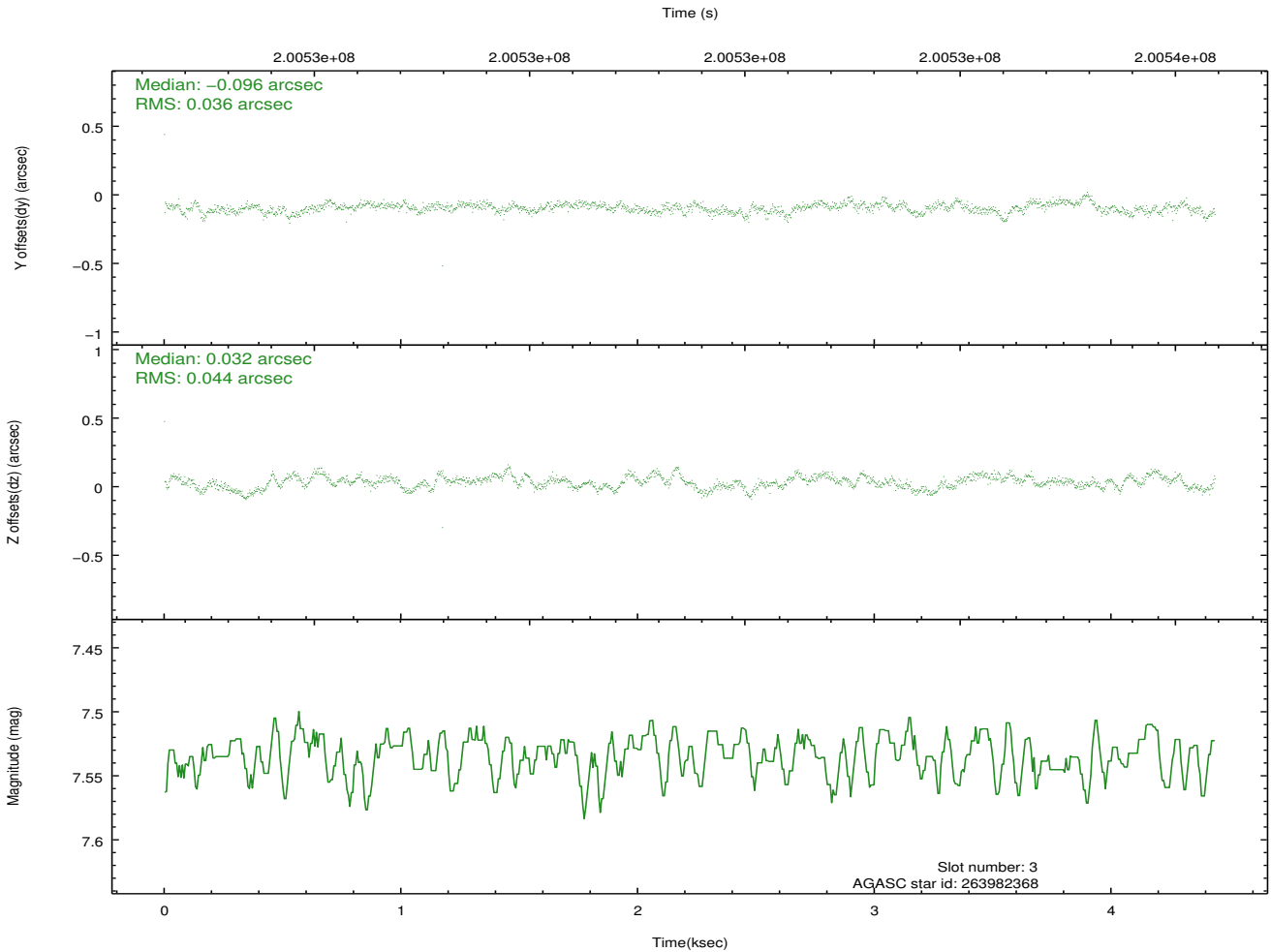
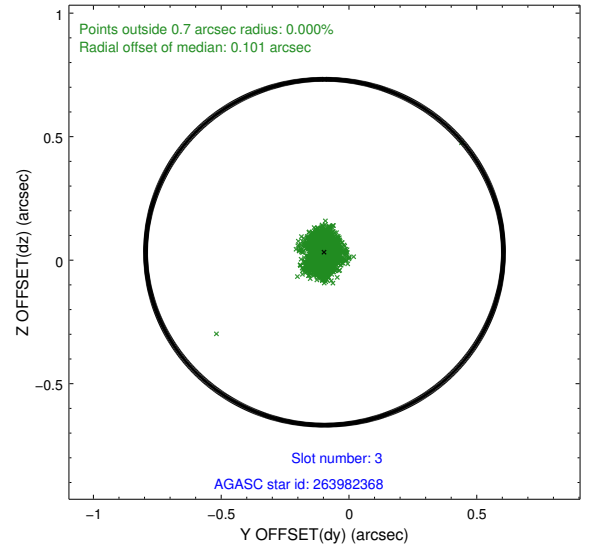
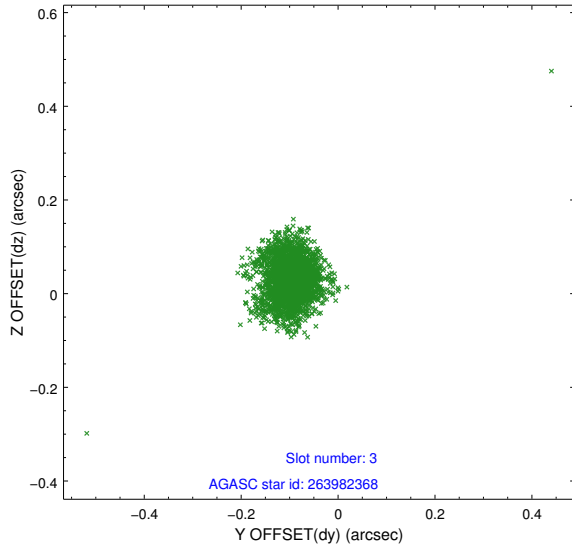


### Slot Statistics

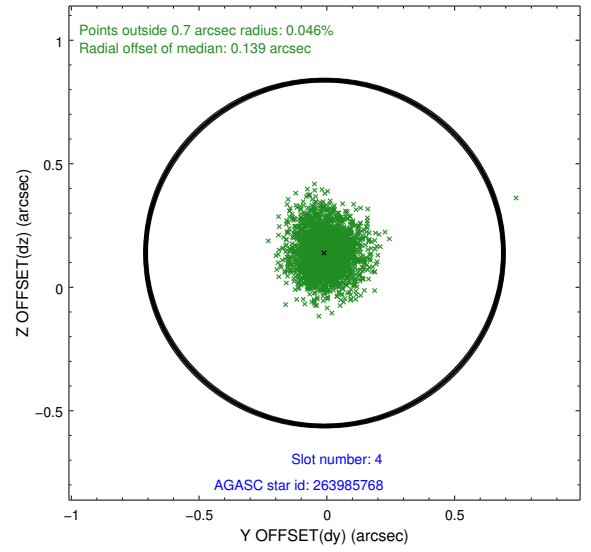
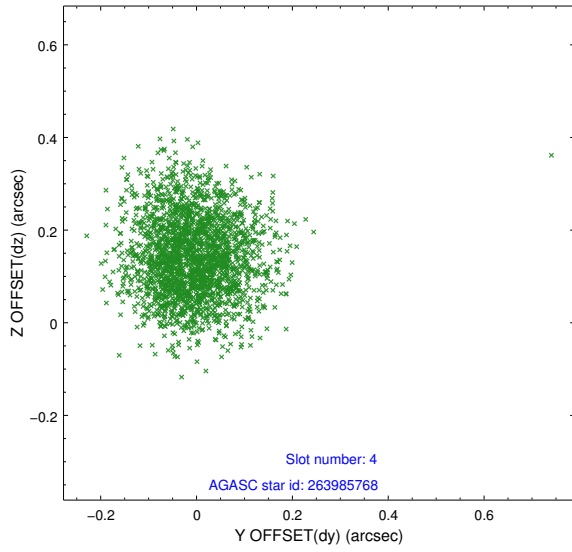
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1083	0.007	-0.035	0.007	0.012	0.000000	0.000000	935.90	-1727.07
1	FID	ACIS-S-4	7.20	1083	0.066	0.025	0.006	0.011	0.000000	0.000000	2154.12	175.73
2	FID	ACIS-S-5	7.23	1083	-0.100	0.022	0.006	0.012	0.000000	0.000000	-1811.31	170.85
3	GUIDE	263982368	7.53	2166	-0.096	0.032	0.058	0.093	216.994811	29.263912	1257.92	1498.97
4	GUIDE	263985768	9.92	2159	-0.009	0.138	0.119	0.190	217.136984	29.914981	308.02	-687.89
5	GUIDE	263986112	9.97	2165	0.124	-0.249	0.111	0.179	216.905902	29.652155	1220.69	73.71
6	GUIDE	264904288	10.04	2162	-0.039	0.028	0.112	0.187	217.760081	29.622779	-1364.47	760.43
7	GUIDE	334634936	9.82	2106	0.018	0.052	0.110	0.179	216.742666	30.165158	1305.94	-1839.54

## 2.4 Star Slots

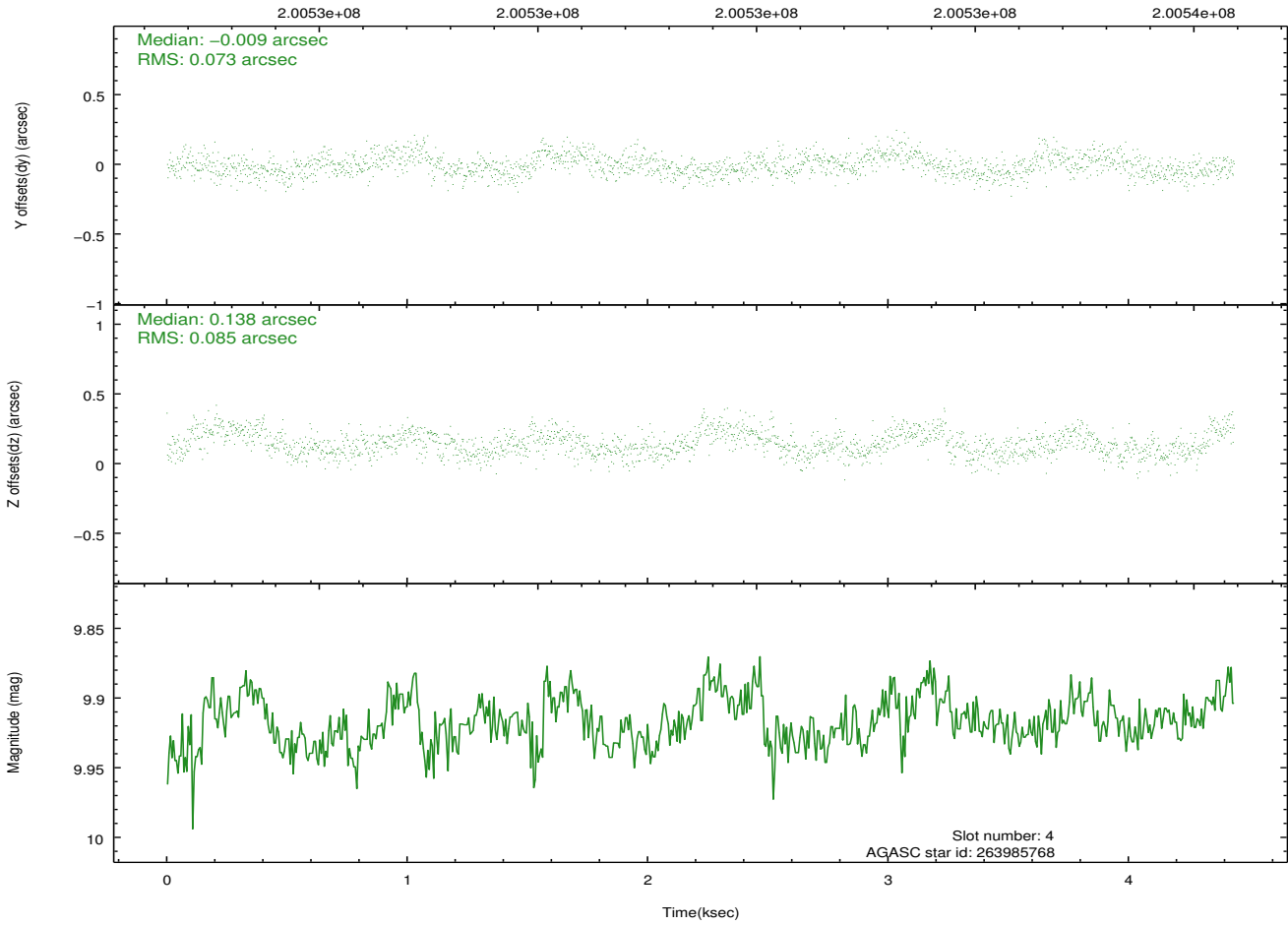
### 2.4.1 Slot 3



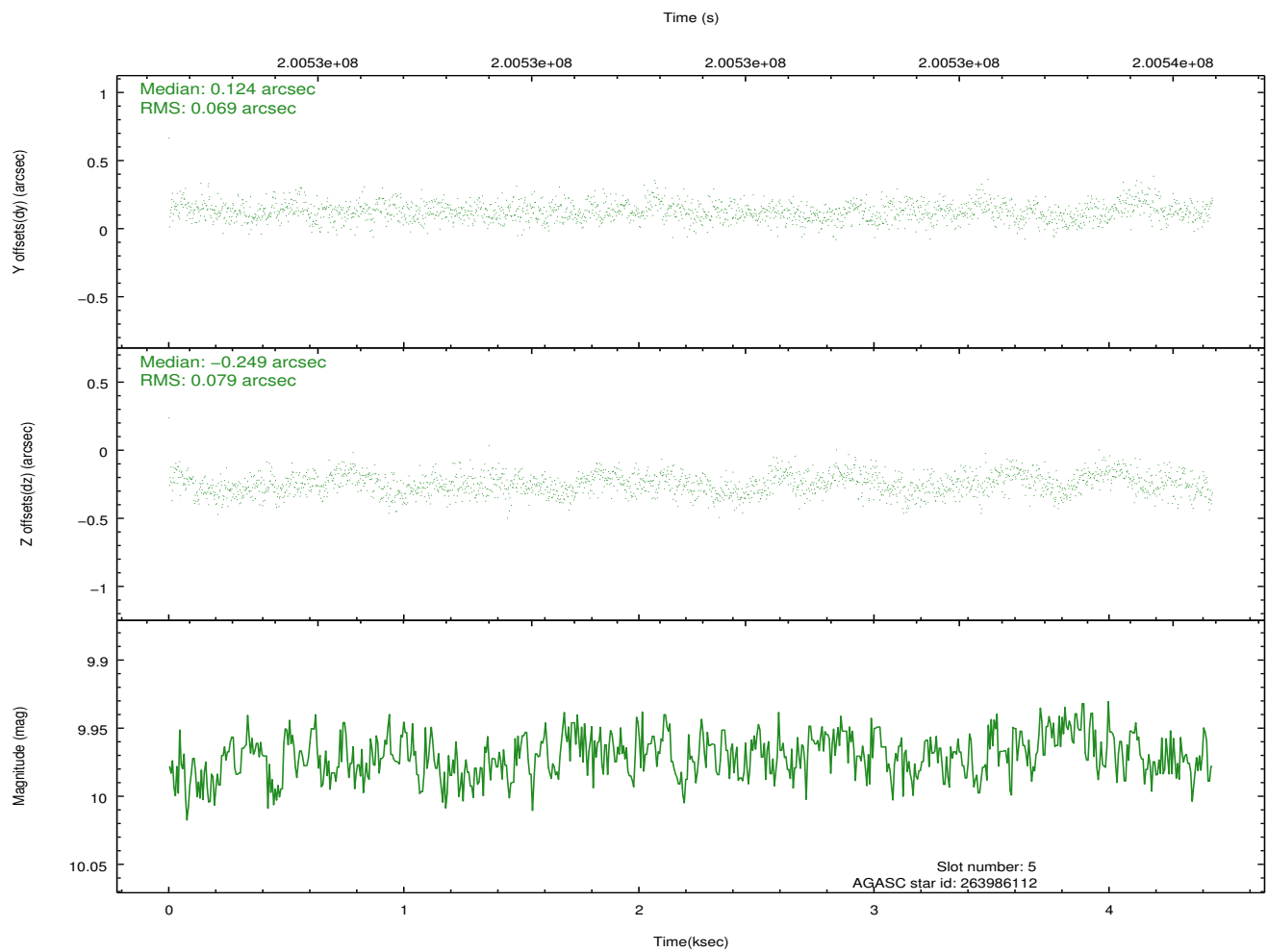
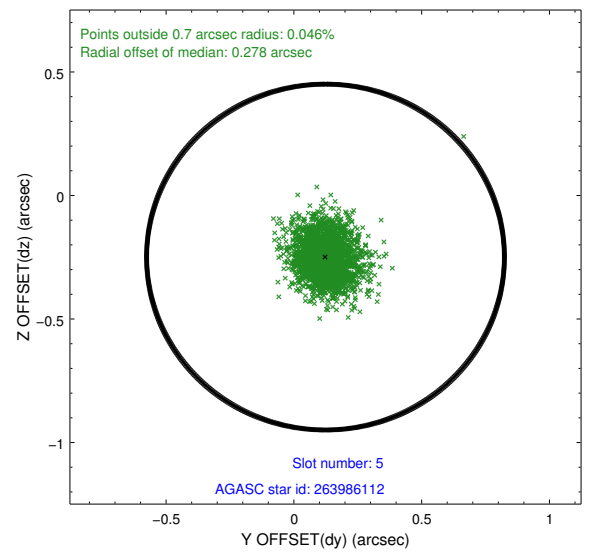
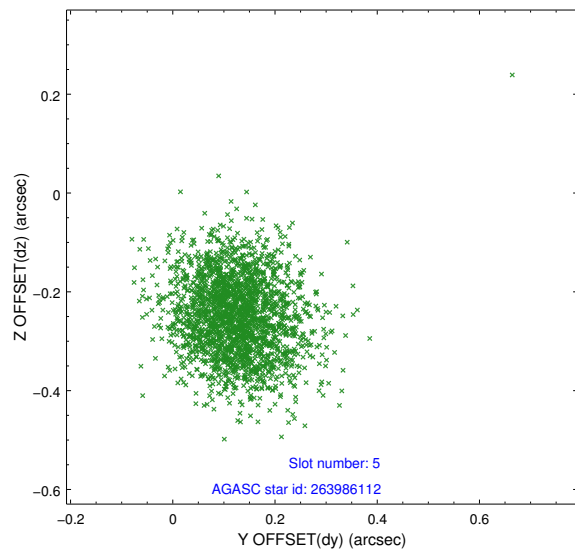
## 2.4.2 Slot 4



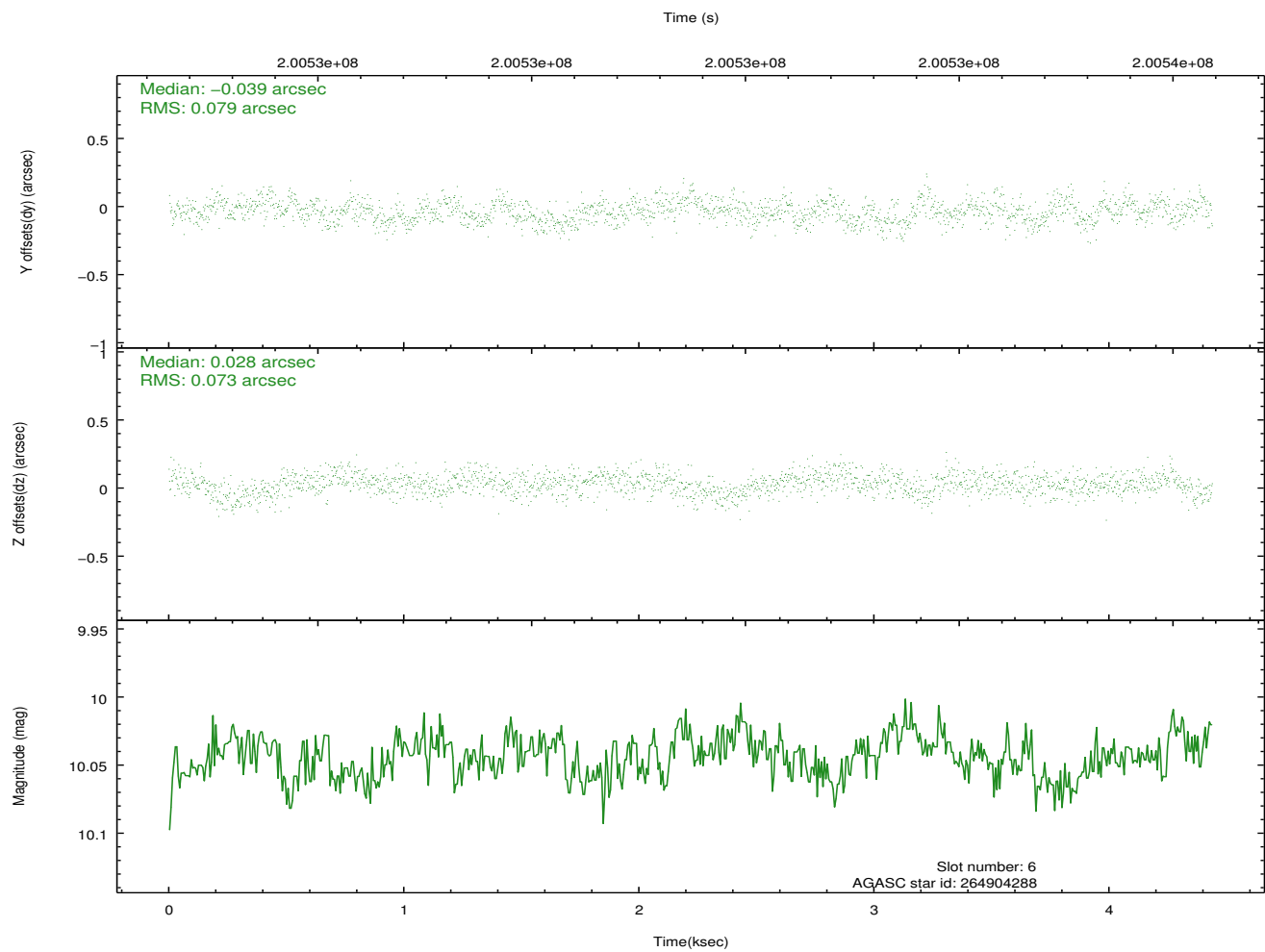
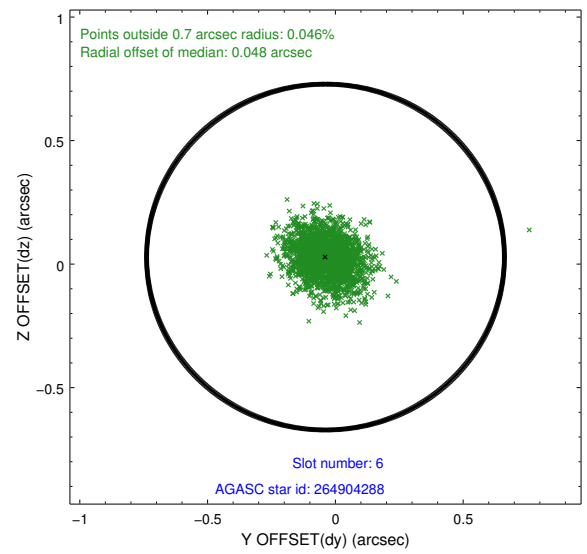
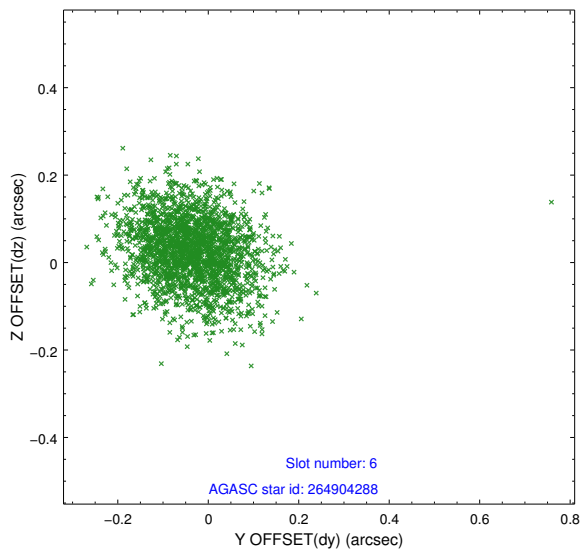
Time (s)



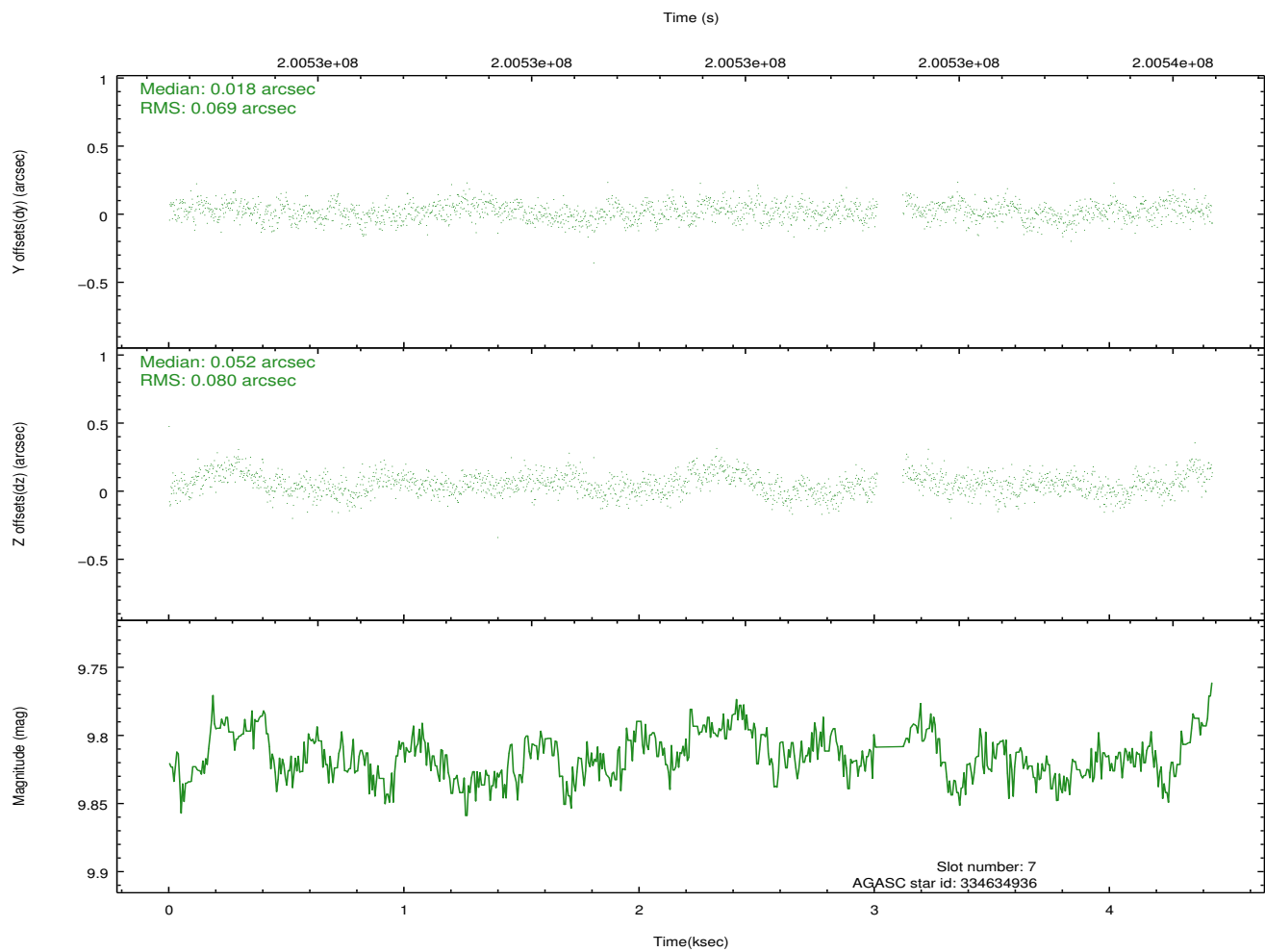
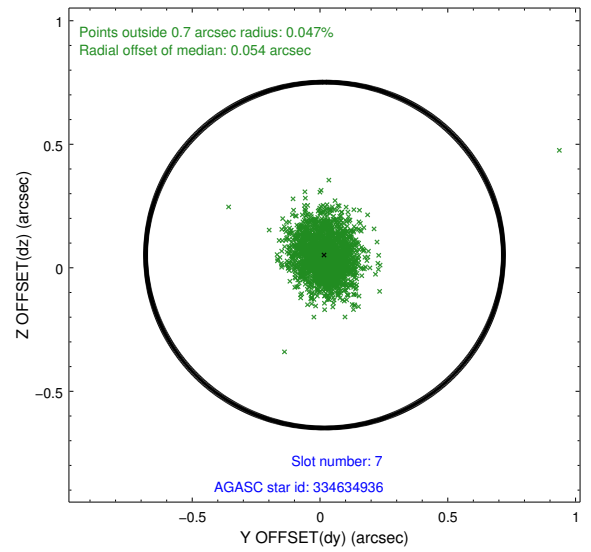
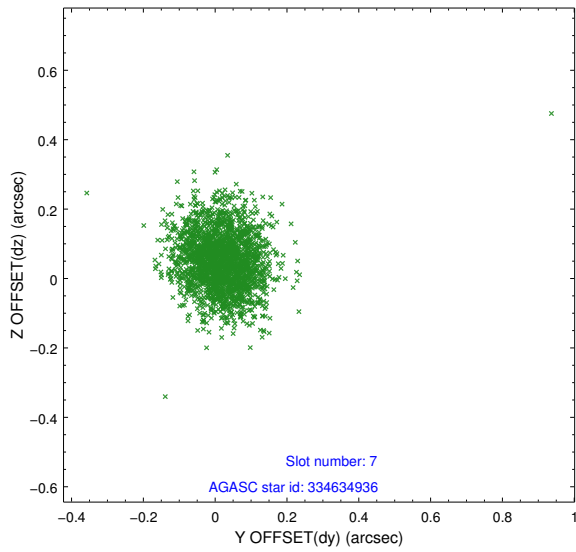
### 2.4.3 Slot 5



## 2.4.4 Slot 6

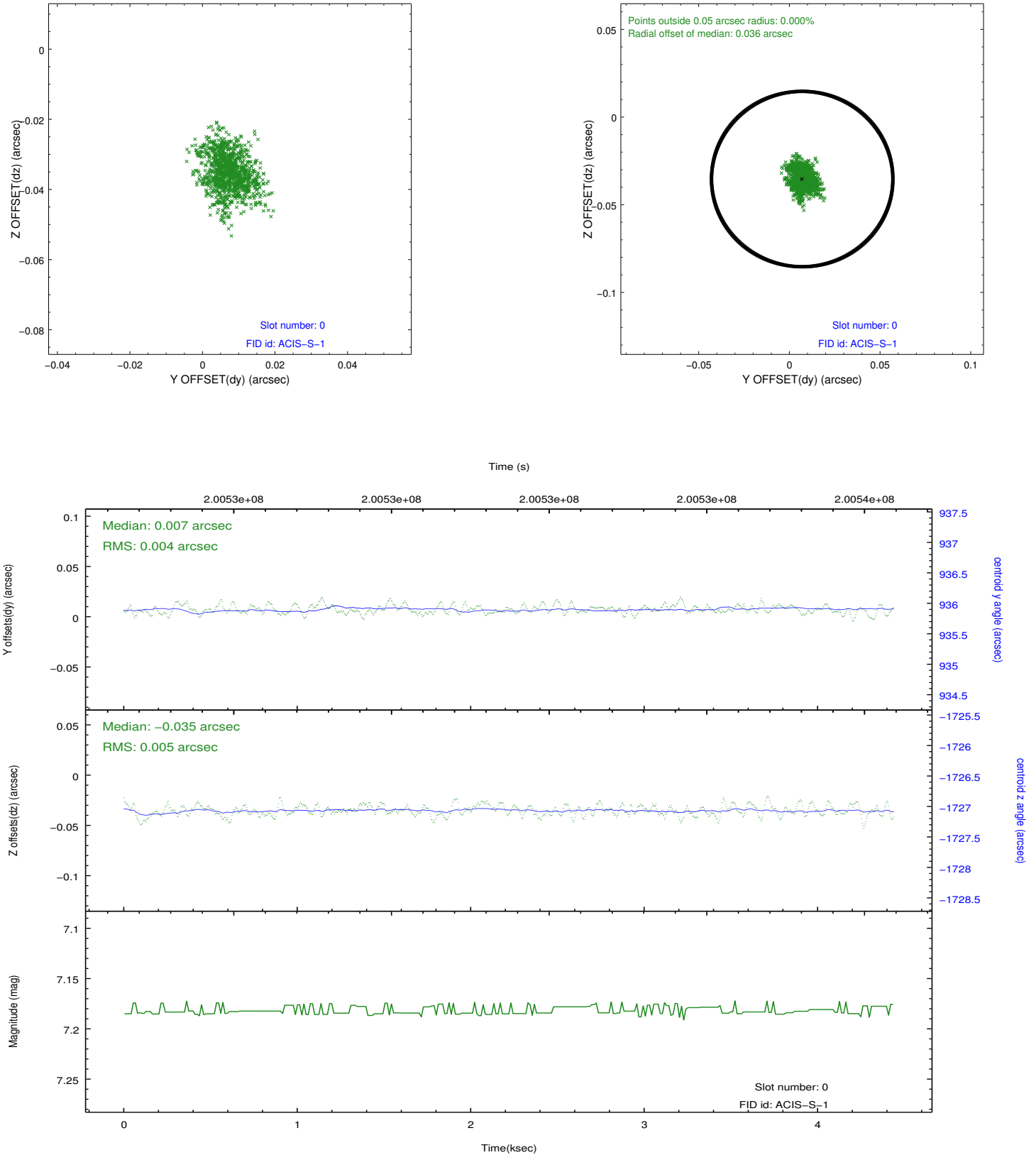


## 2.4.5 Slot 7

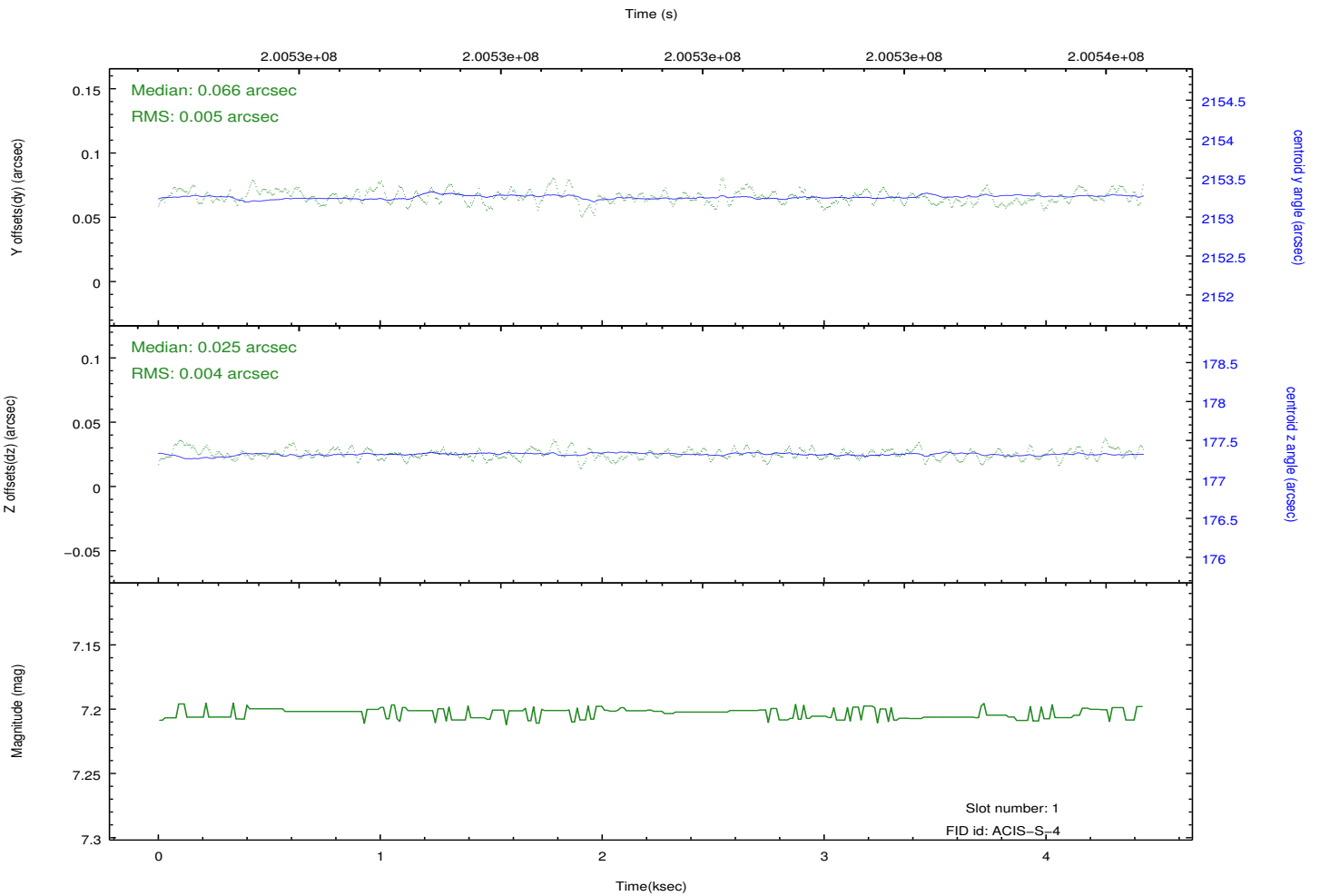
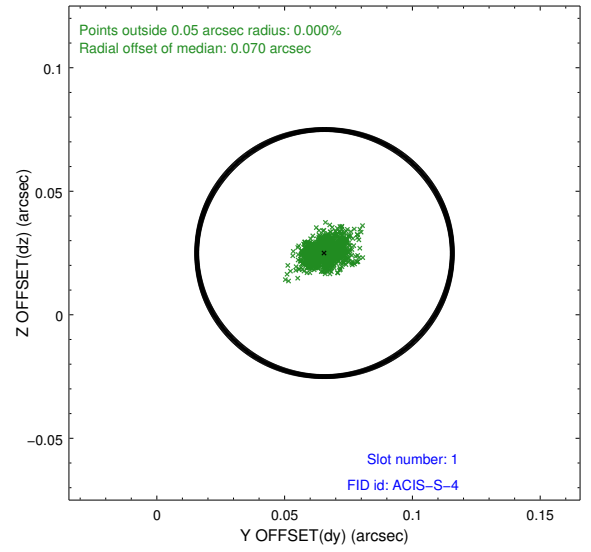
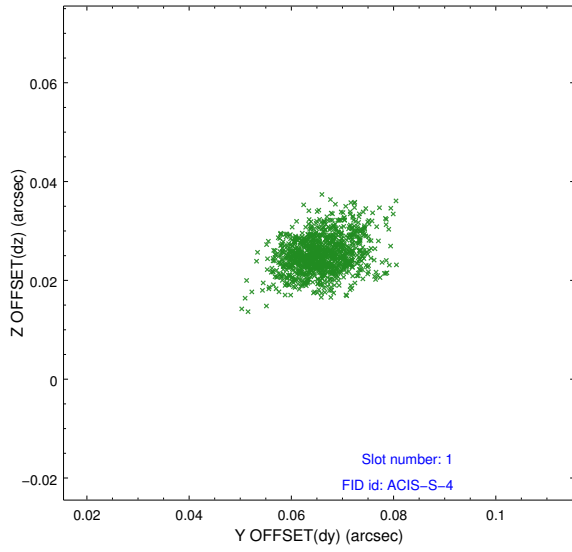


## 2.5 FID Slots

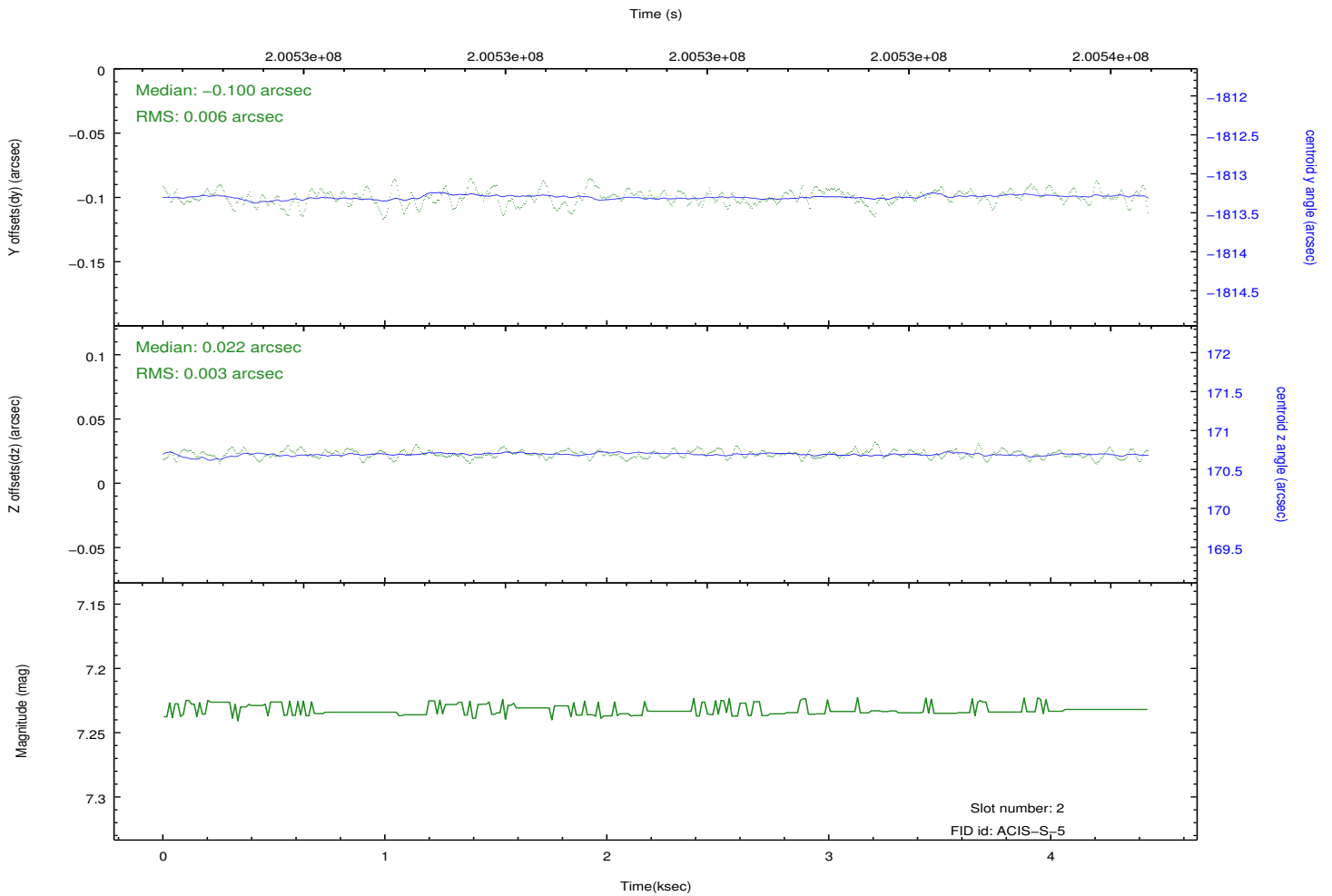
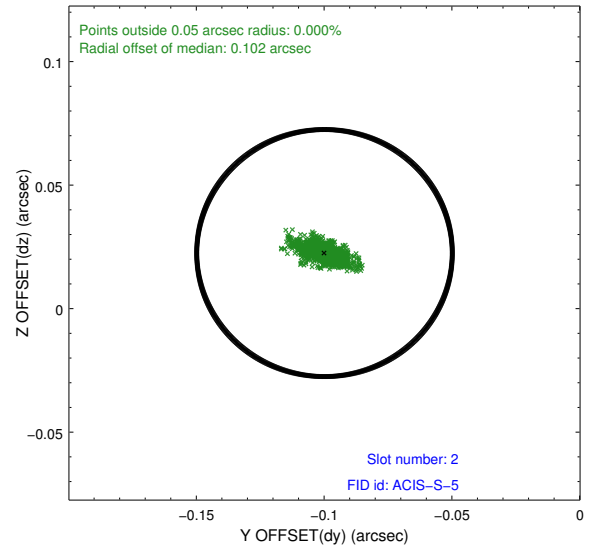
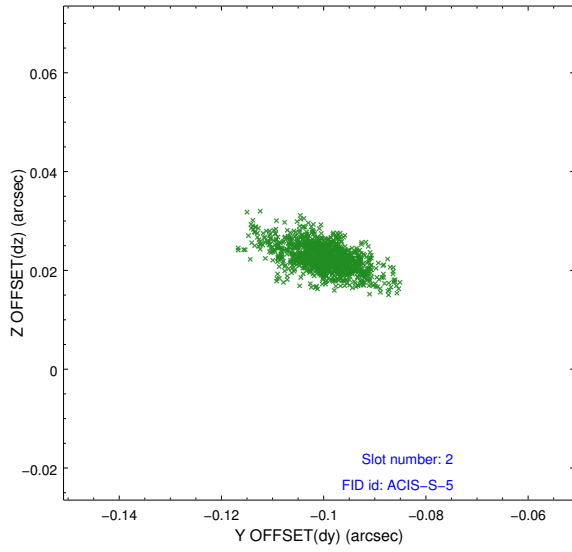
### 2.5.1 Slot 0



## 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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.434

## A.2 Comments