

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9991 - L2 Version 2  
Chandra X-Ray Center

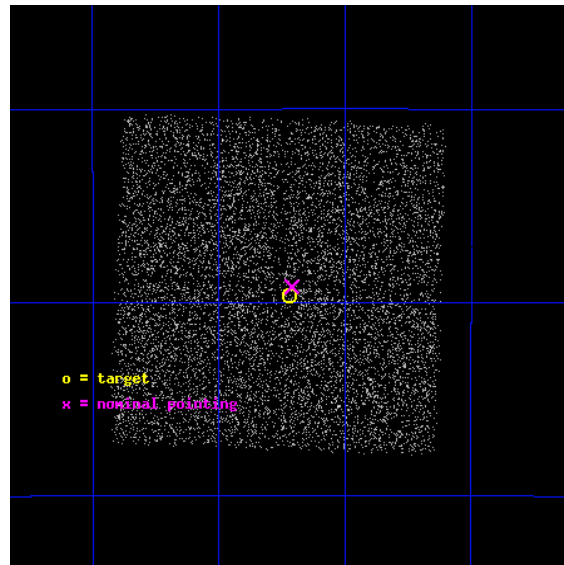
L2 Processing Date : Jun 1 2012

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# 1 Front

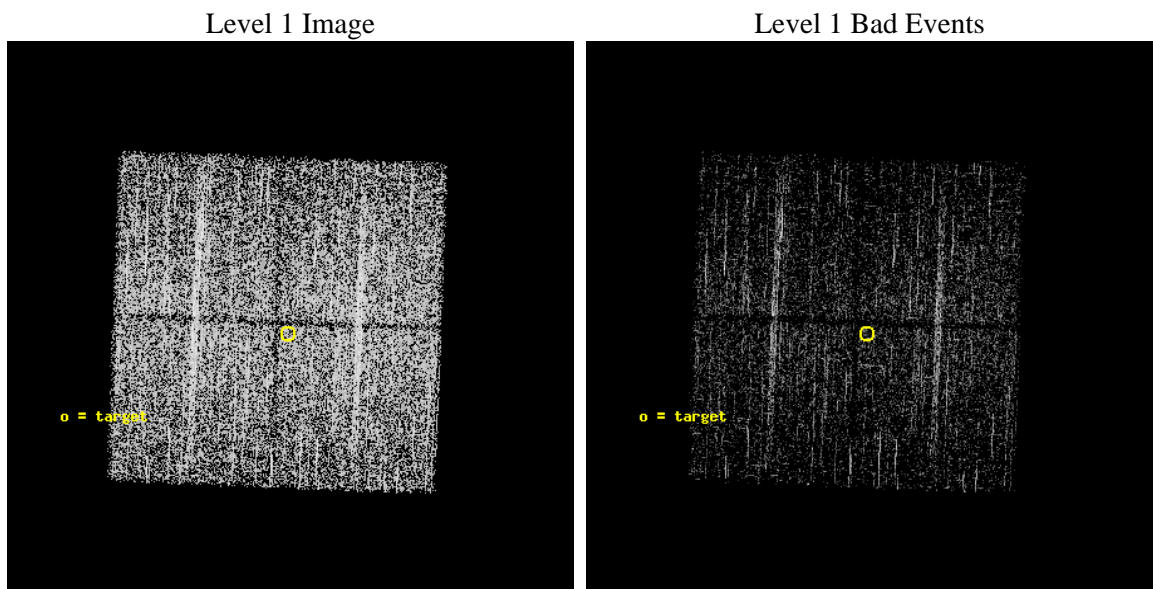
seq_num	400955	Sequence number
obs_id	9991	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.55575	Observer's specified target RA [deg]
dec_targ	-28.327333	Observer's specified target Dec [deg]
ra_nom	264.55274412573	Nominal RA [deg]
dec_nom	-28.319817348424	Nominal Dec [deg]
roll_nom	92.195087610287	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10686	Number of level 2 events



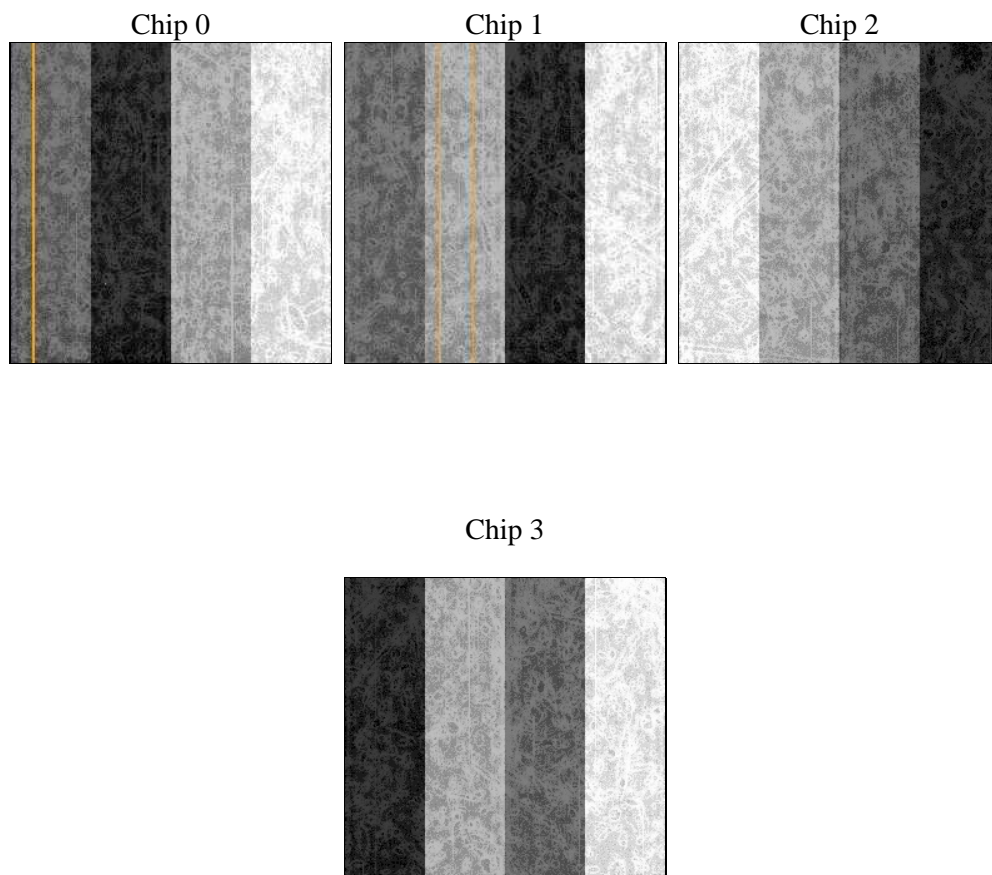
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T05:52:59	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	100793	Number of level 1 events

### 2.1.4 Events

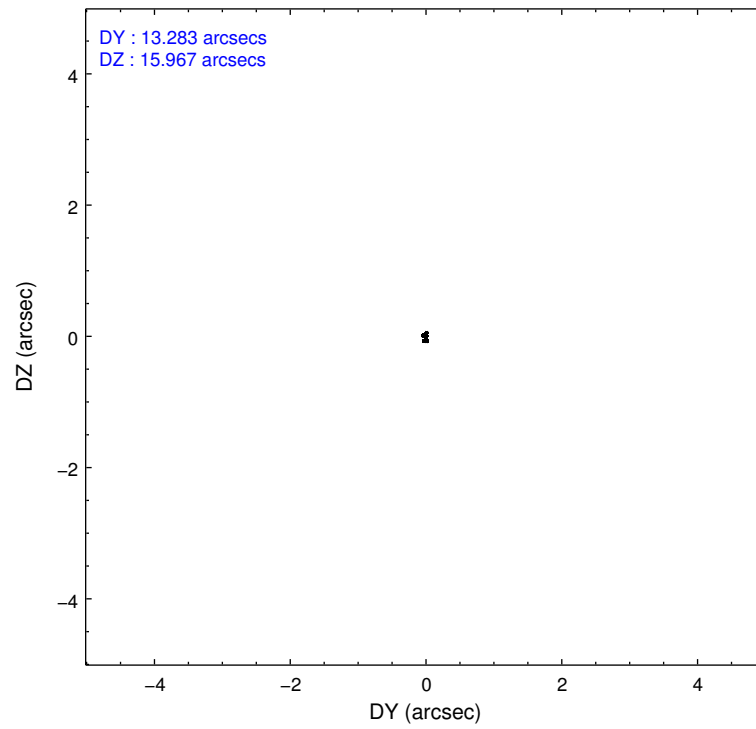
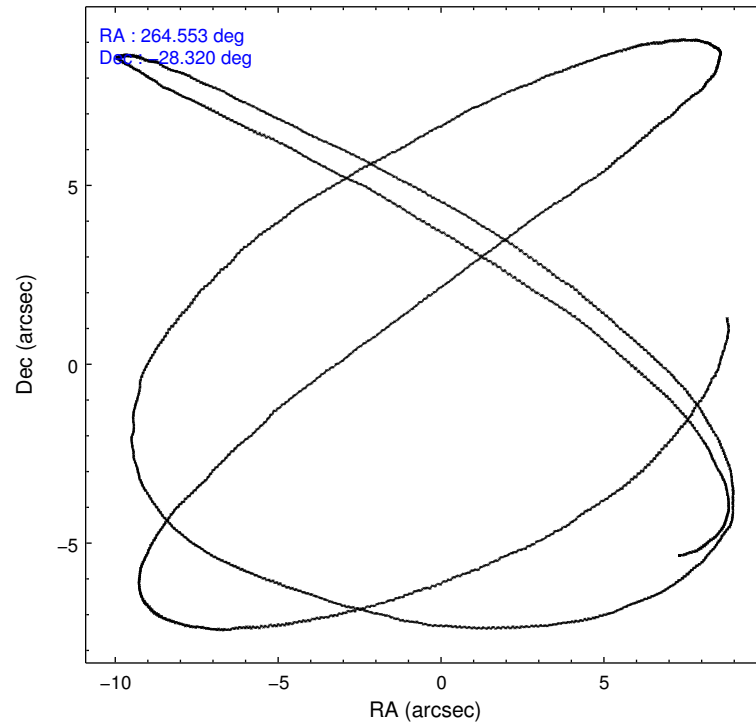
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24844	24520	25589	25840
rejected events	21754	21343	22598	22779
rejected %	87%	87%	88%	88%

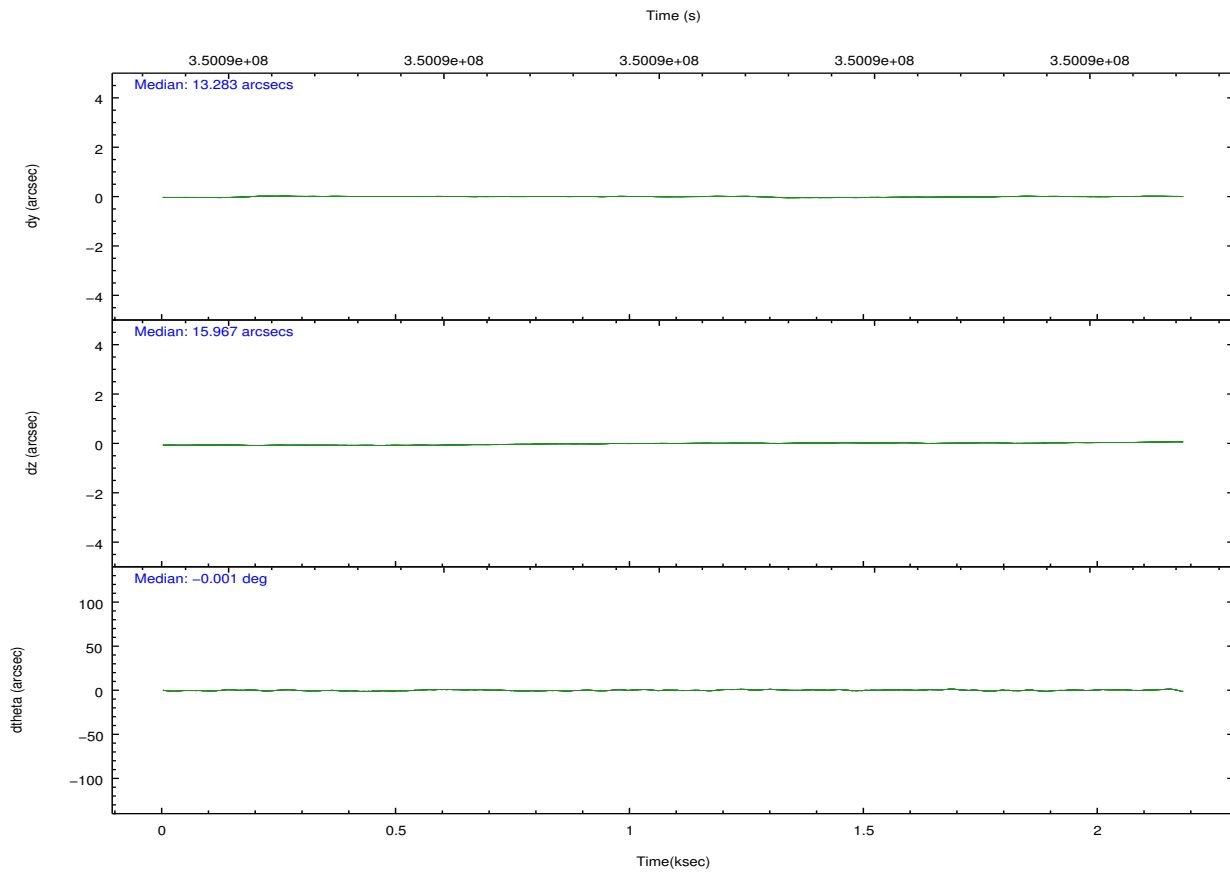
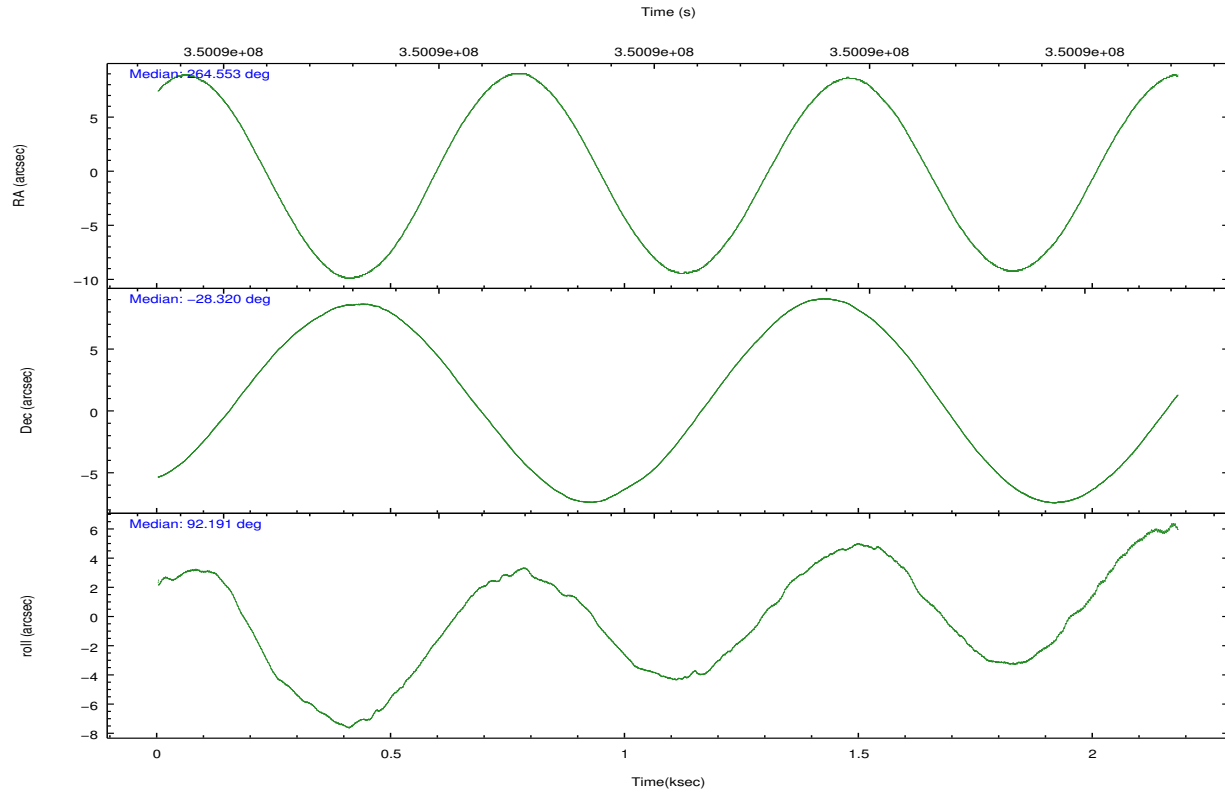
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1577	1492	1548	1632
	6%	6%	6%	6%
grade 1 events	18	22	17	18
	0%	0%	0%	0%
grade 2 events	783	861	719	697
	3%	3%	2%	2%
grade 3 events	282	327	312	289
	1%	1%	1%	1%
grade 4 events	276	334	313	324
	1%	1%	1%	1%
grade 5 events	1095	1104	1093	1288
	4%	4%	4%	4%
grade 6 events	626	654	538	603
	2%	2%	2%	2%
grade 7 events	20187	19726	21049	20989
	81%	80%	82%	81%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	264.569435	264.55274412573	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.342925	-28.31981734842383	Alternating exposures requested	N	N
[deg] Pointing Roll	91.994341	92.19508761028669	[s] Primary exposure time	0.000000	3.1
[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)	350087128.184000	350086751.85528			
Observation start date	2009-02-03T22:24:22	2009-02-03T22:19:11			
[s] Observation end time (MET)	350089128.184000	350089262.08041			
Observation end date	2009-02-03T22:57:42	2009-02-03T23:01:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect





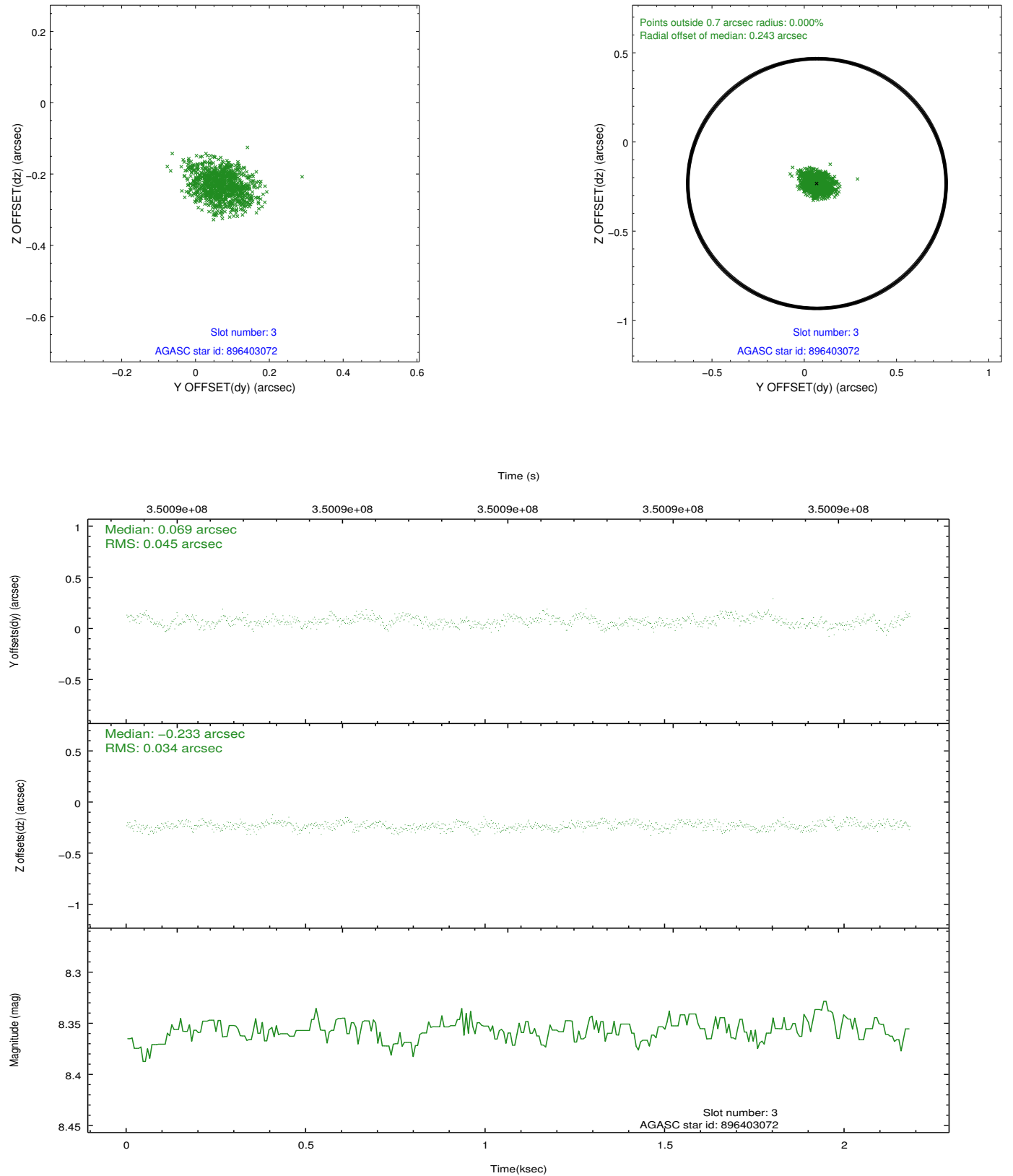
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	531	0.054	-0.031	0.008	0.013	0.000000	0.000000	926.28	-839.61
1	FID	ACIS-I-5	7.00	532	-0.198	0.060	0.010	0.014	0.000000	0.000000	-1820.41	1056.49
2	FID	ACIS-I-6	7.00	532	0.051	0.040	0.009	0.015	0.000000	0.000000	388.59	1704.34
3	GUIDE	896403072	8.36	1064	0.069	-0.233	0.060	0.096	263.956439	-28.943077	-2096.54	2005.47
4	GUIDE	896403960	8.57	1065	-0.122	0.019	0.085	0.127	264.379044	-28.245612	369.08	593.59
5	GUIDE	896405048	8.27	1065	-0.114	-0.164	0.054	0.090	264.482575	-28.152230	696.36	252.50
6	GUIDE	896405616	7.84	1065	0.107	0.174	0.072	0.117	264.752771	-28.412560	-270.47	-569.94
7	GUIDE	896402976	7.46	1064	0.055	0.205	0.061	0.095	265.099474	-28.923203	-2149.10	-1596.46

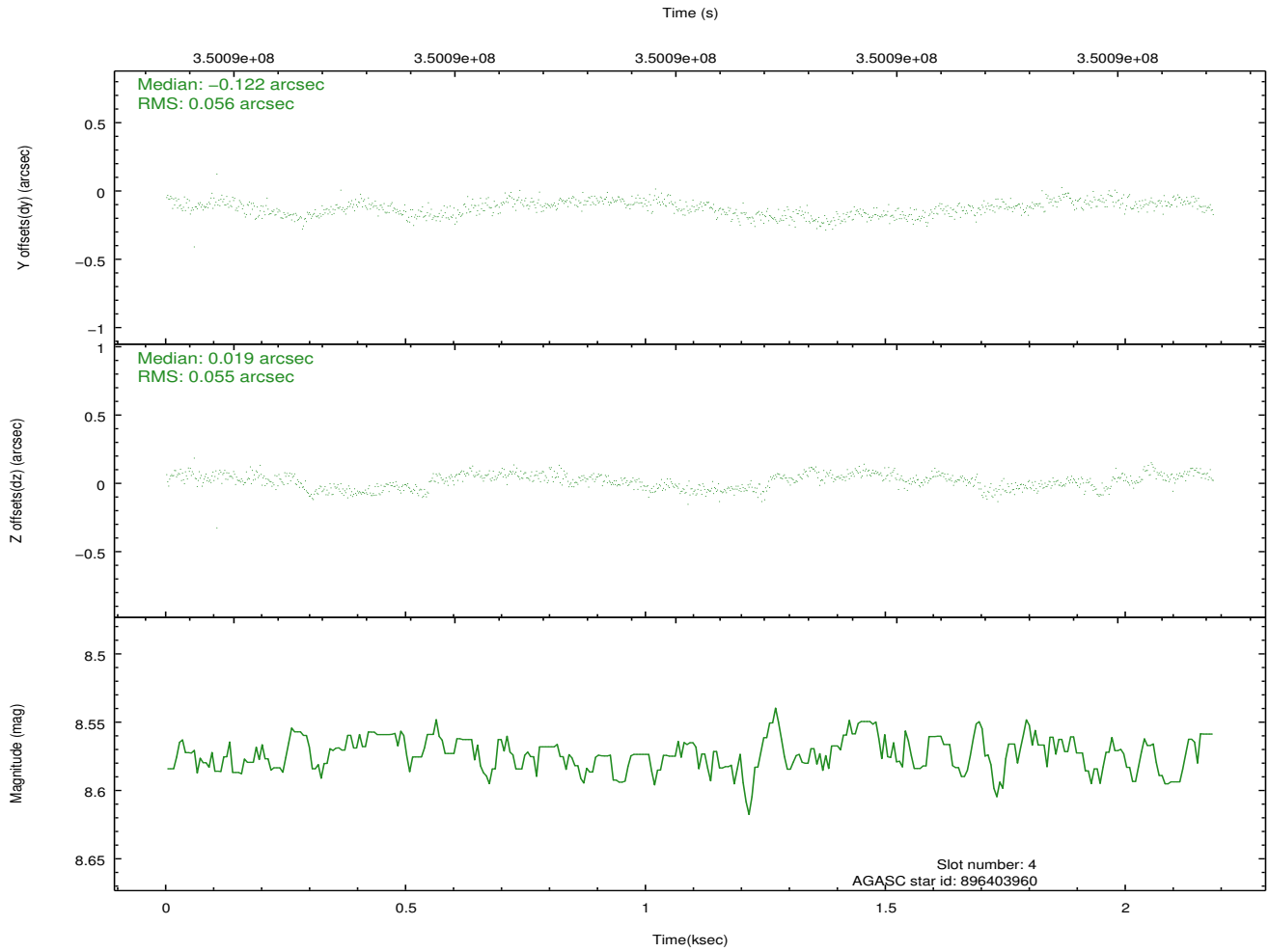
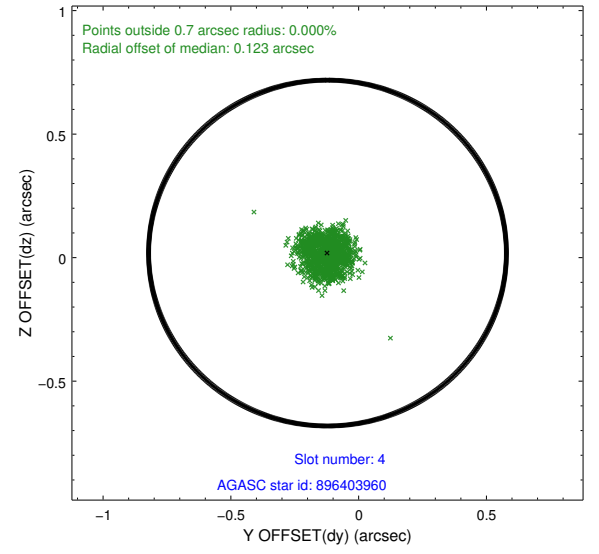
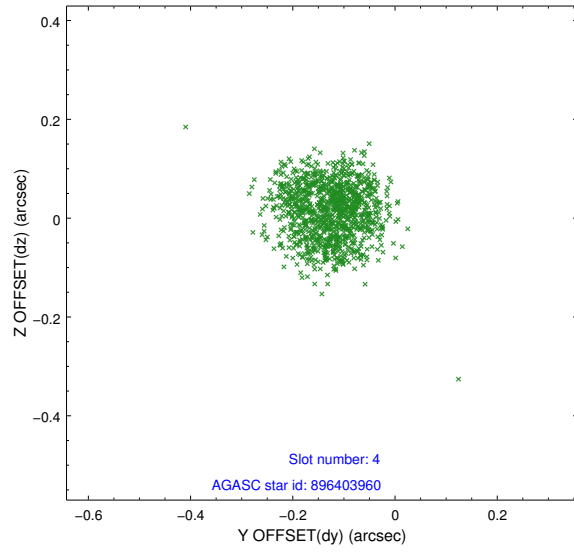


## 2.4 Star Slots

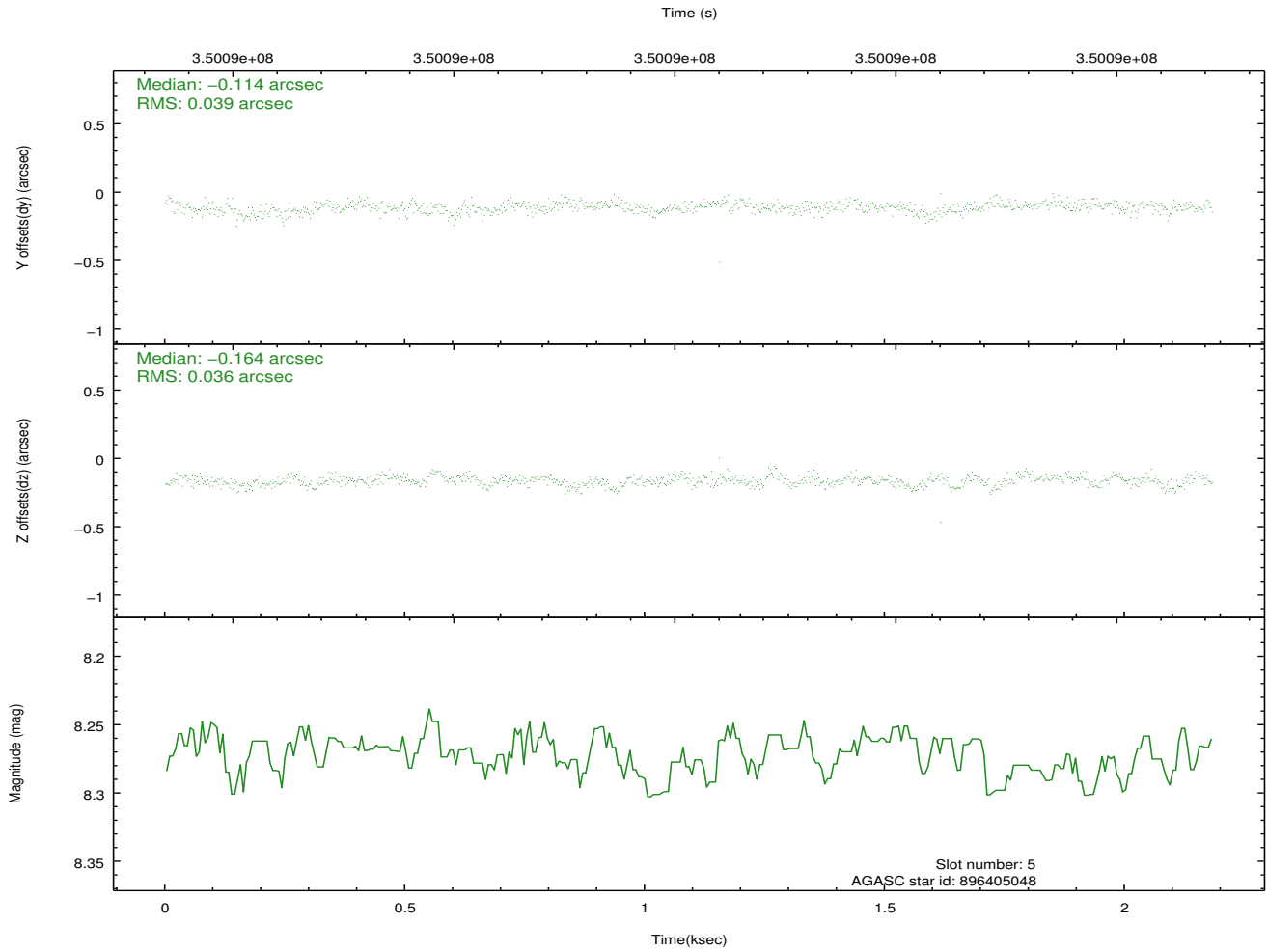
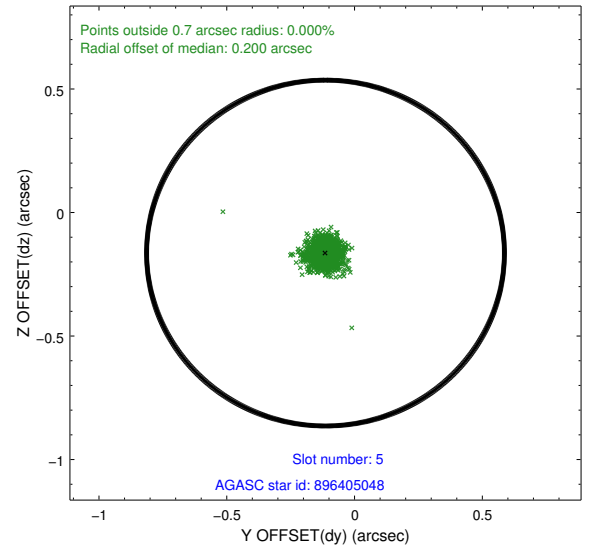
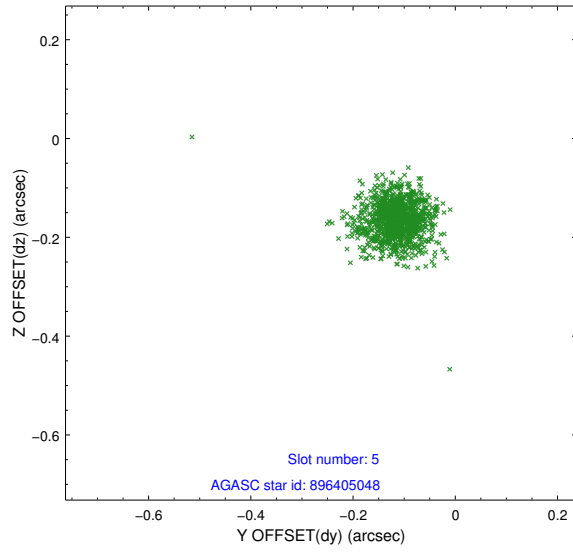
### 2.4.1 Slot 3



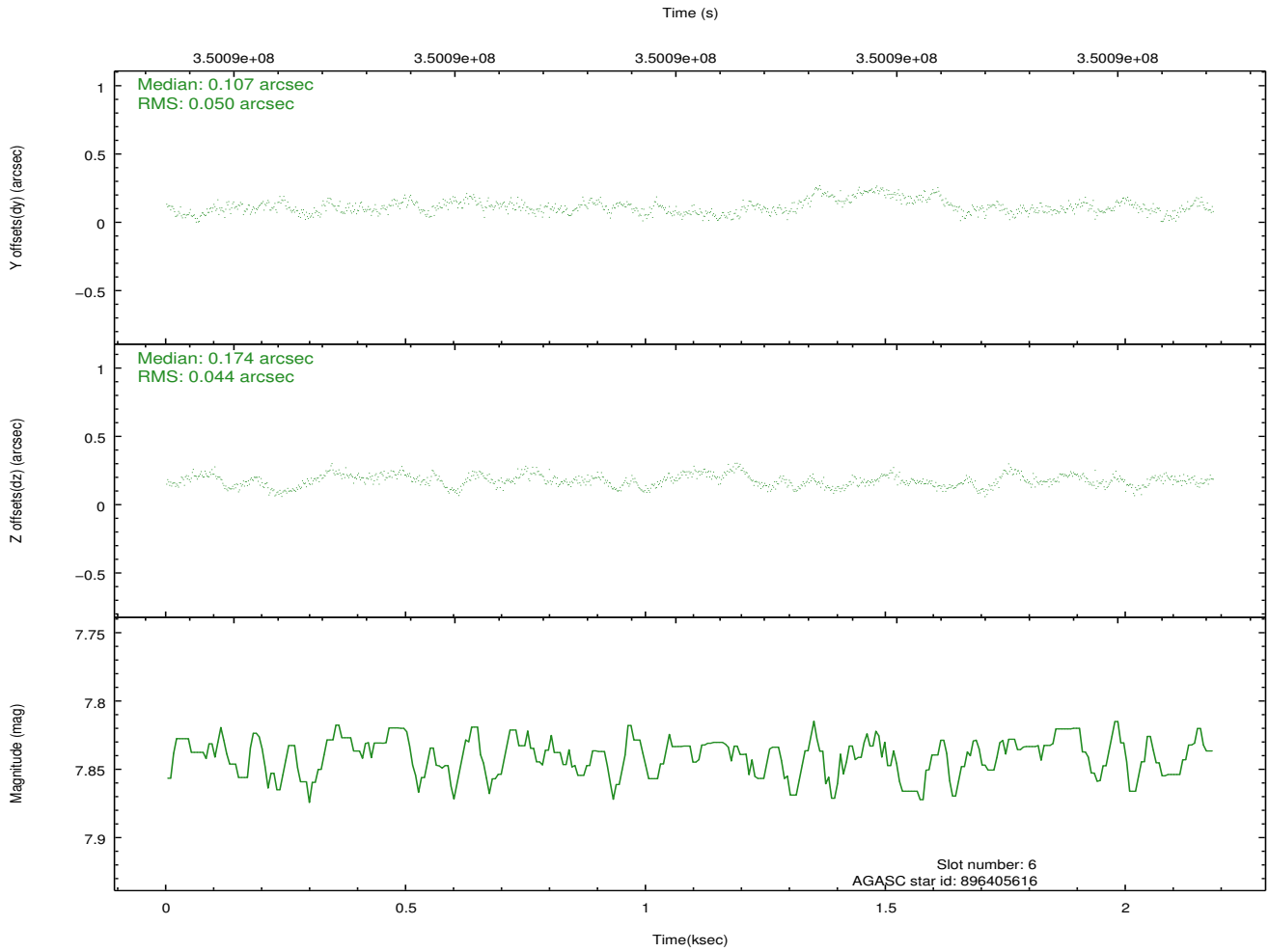
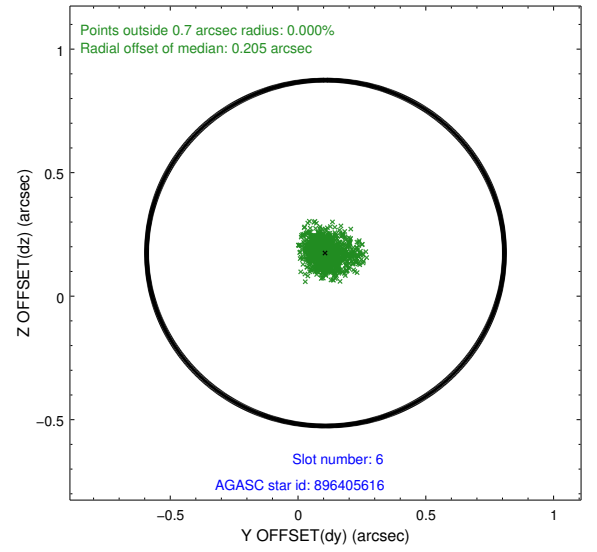
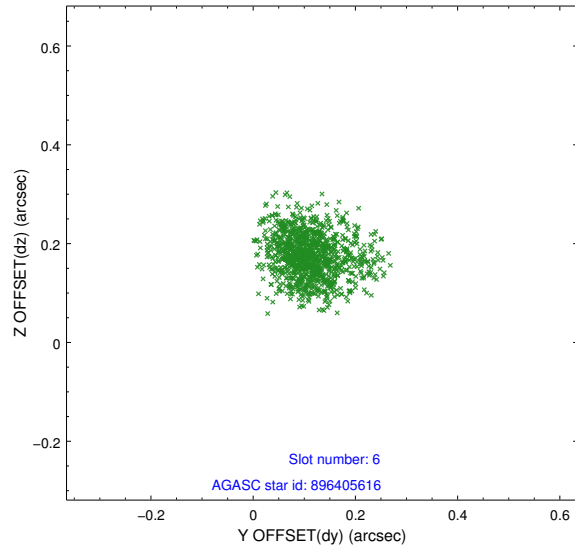
## 2.4.2 Slot 4



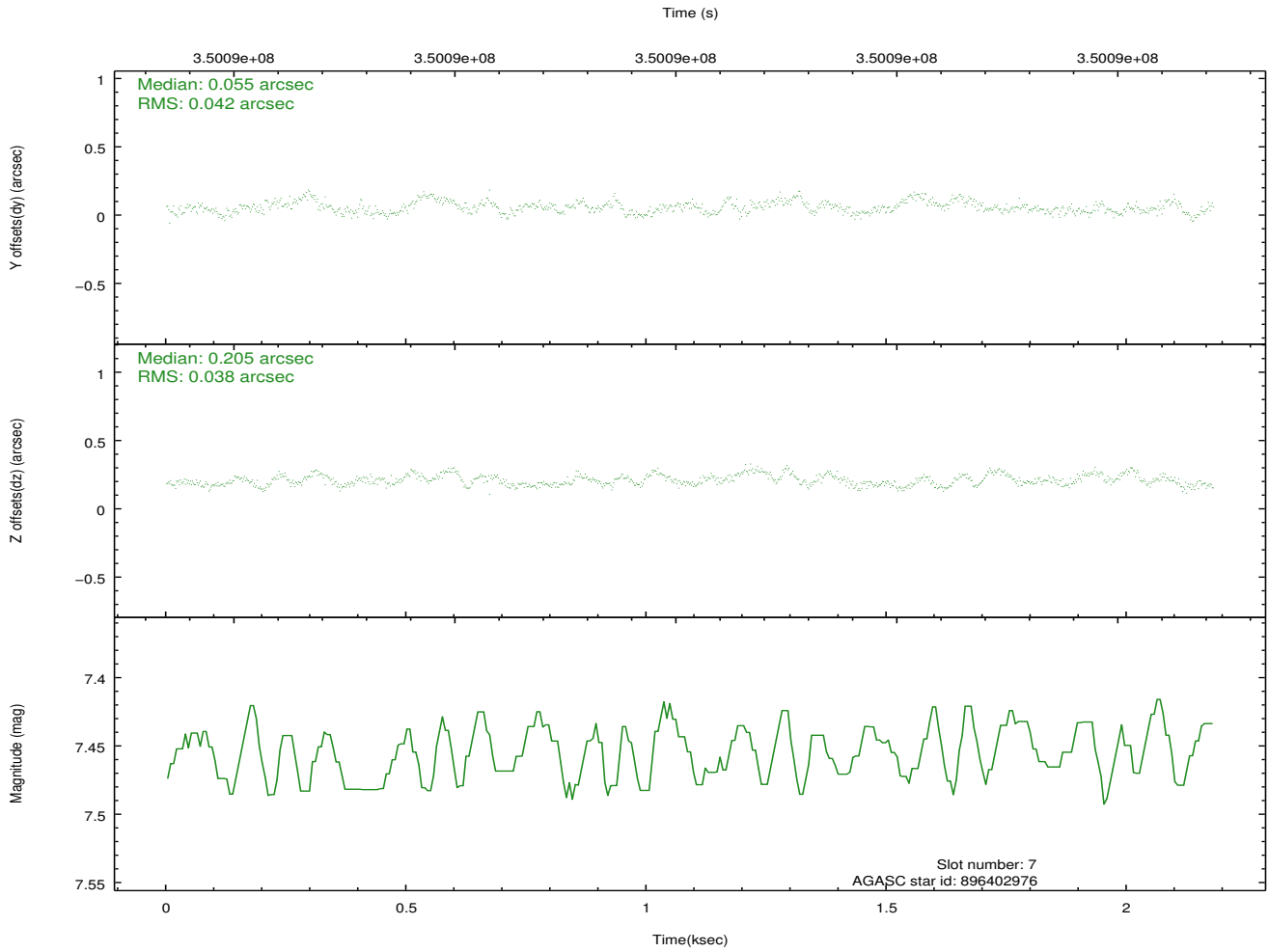
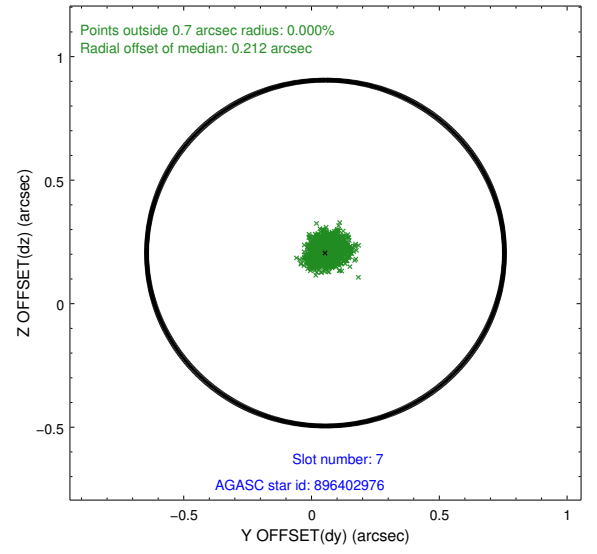
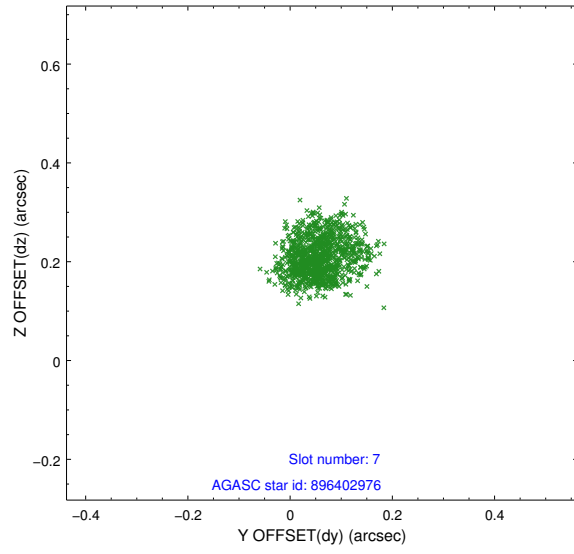
### 2.4.3 Slot 5



## 2.4.4 Slot 6

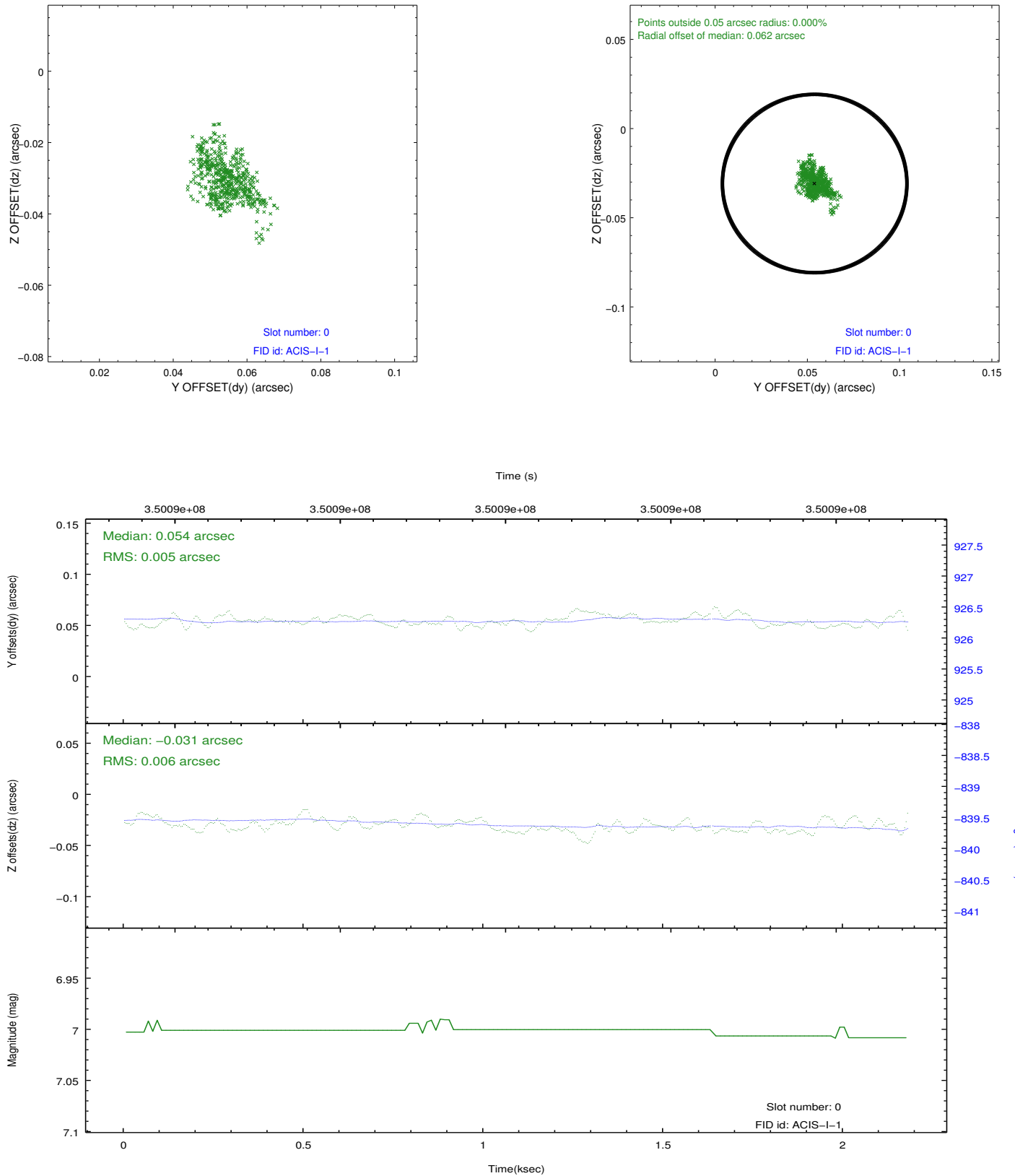


## 2.4.5 Slot 7

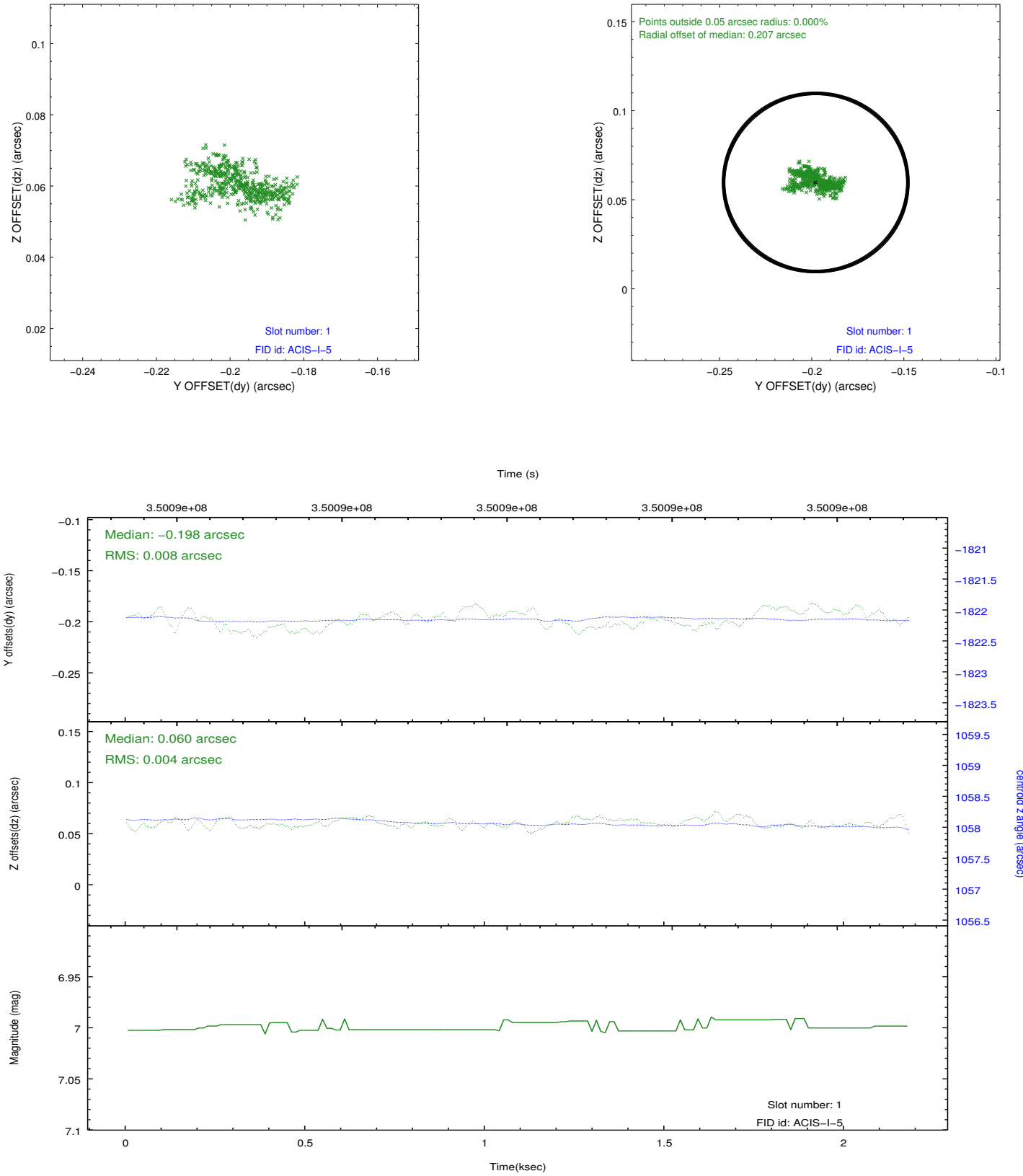


## 2.5 FID Slots

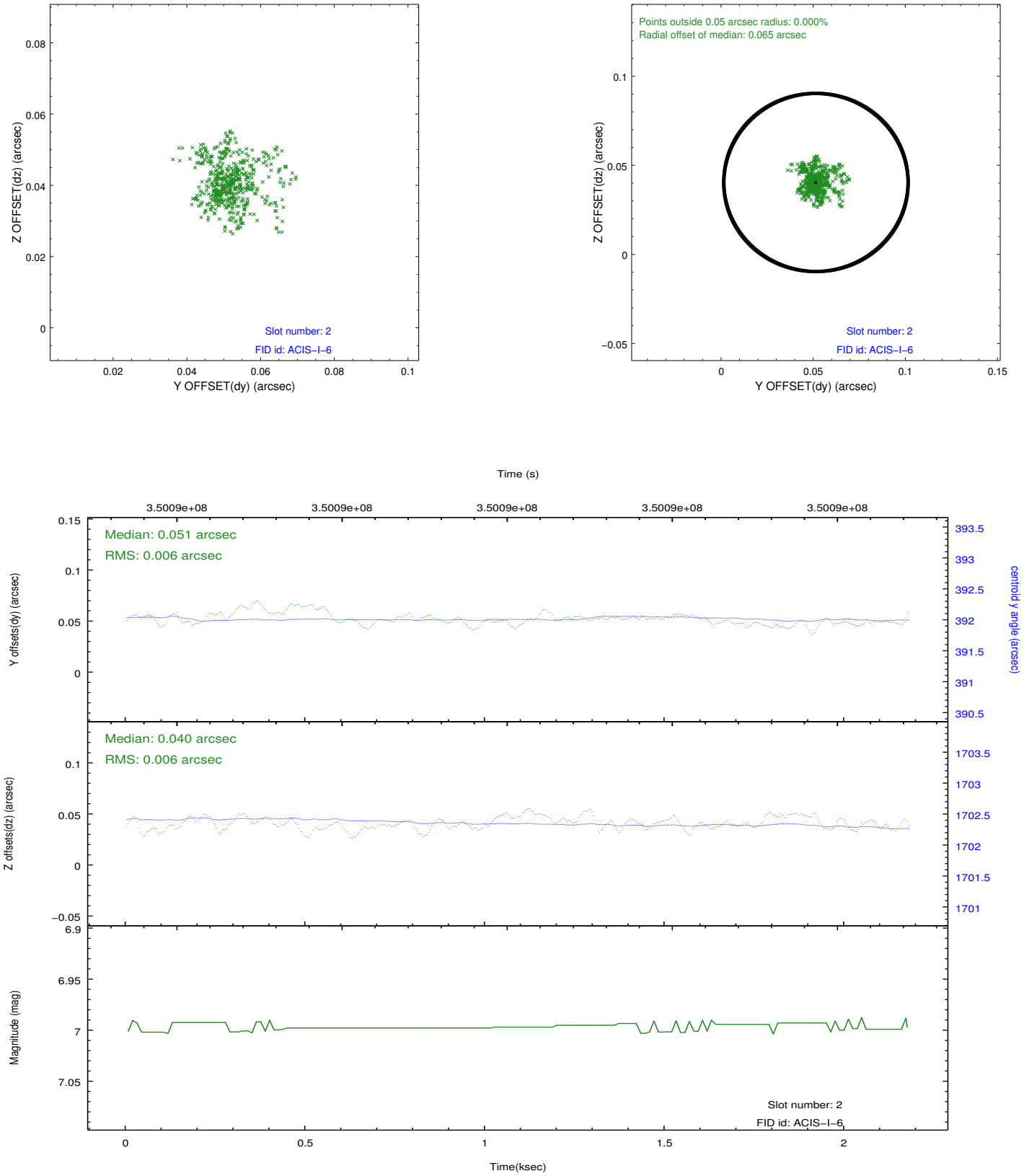
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

## A.2 Comments

Joint Proposal: NOAO