

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9992 - L2 Version 2  
Chandra X-Ray Center

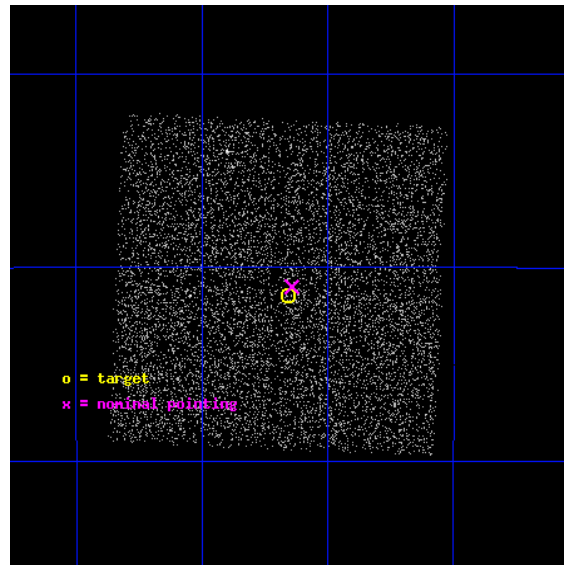
L2 Processing Date : Jun 1 2012

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# 1 Front

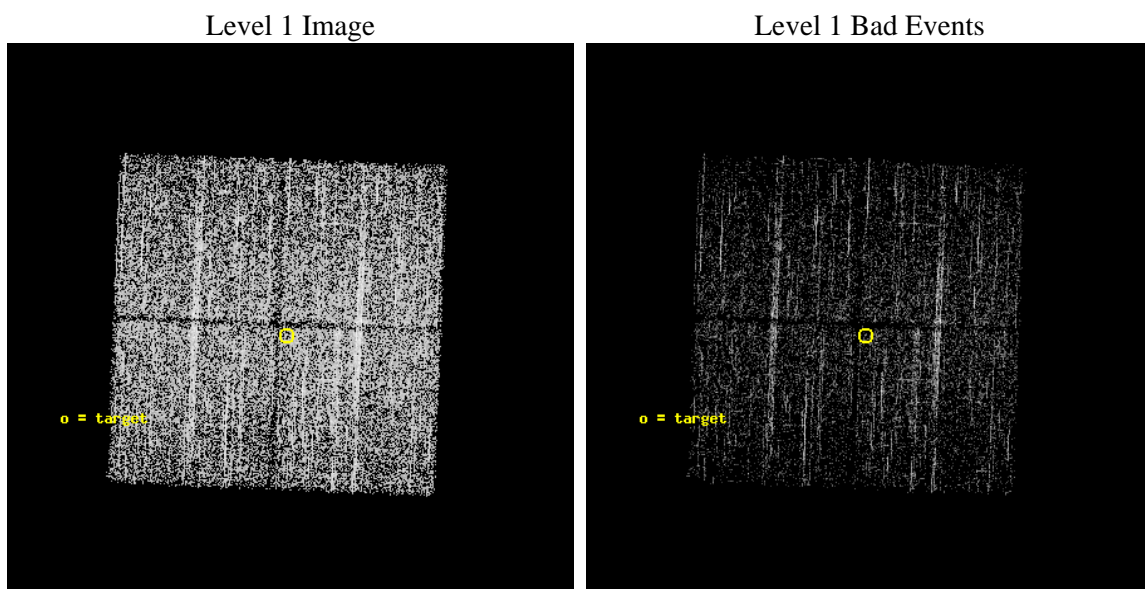
seq_num	400956	Sequence number
obs_id	9992	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.413917	Observer's specified target RA [deg]
dec_targ	-28.524417	Observer's specified target Dec [deg]
ra_nom	264.41075758298	Nominal RA [deg]
dec_nom	-28.516695533317	Nominal Dec [deg]
roll_nom	92.294403784209	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10804	Number of level 2 events



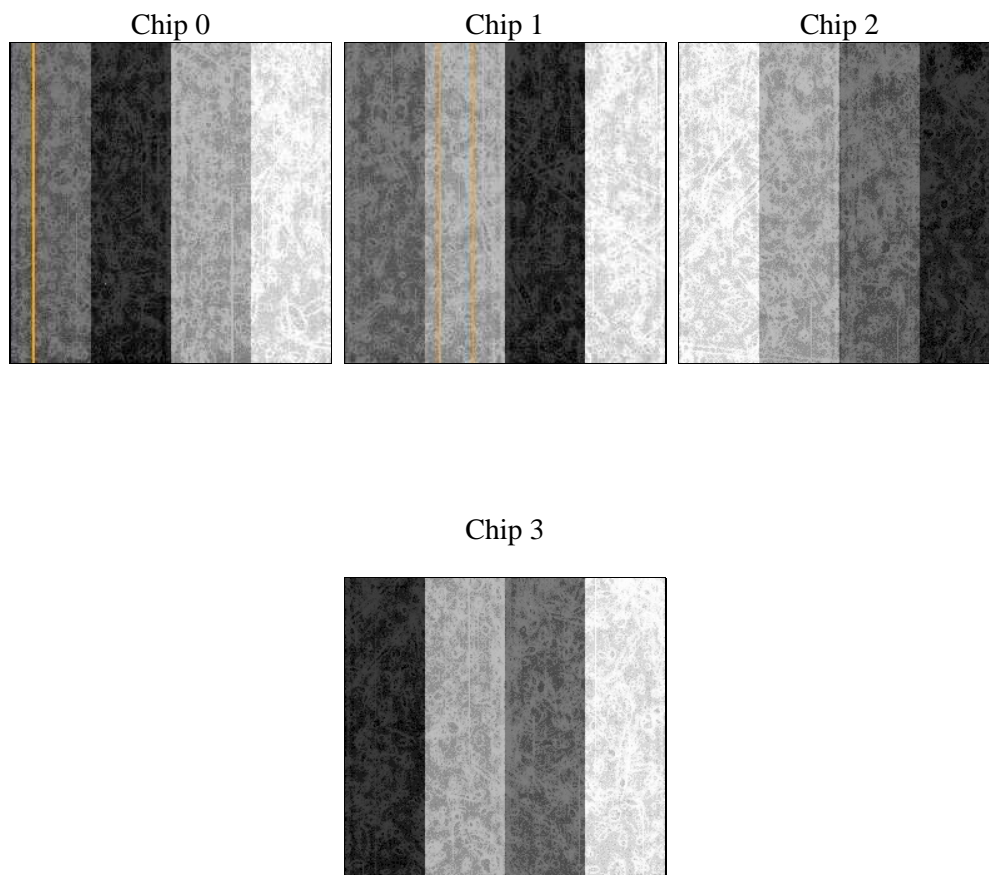
## 2 OBI

### 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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T05:48:25	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	100428	Number of level 1 events

### 2.1.4 Events

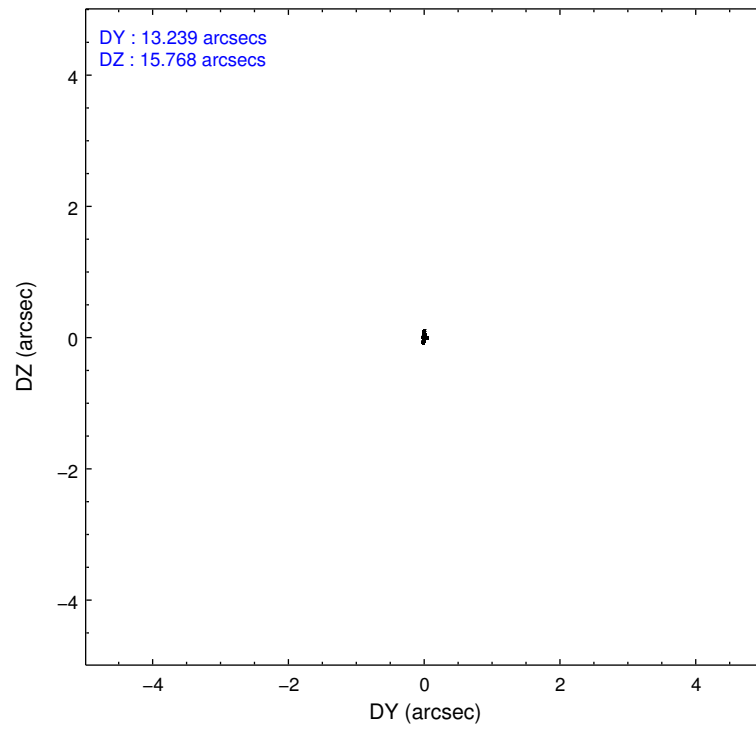
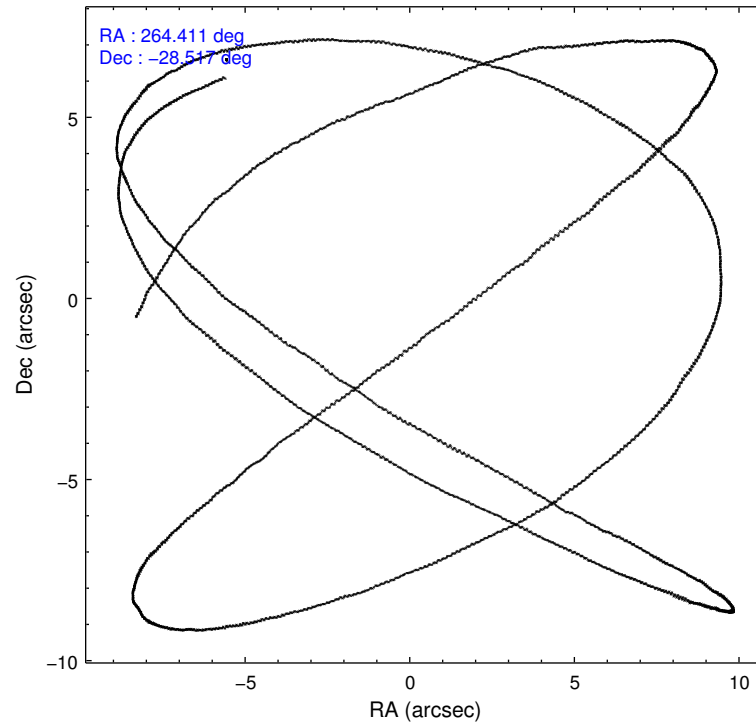
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23739	24607	25876	26206
rejected events	20724	21273	22873	23162
rejected %	87%	86%	88%	88%

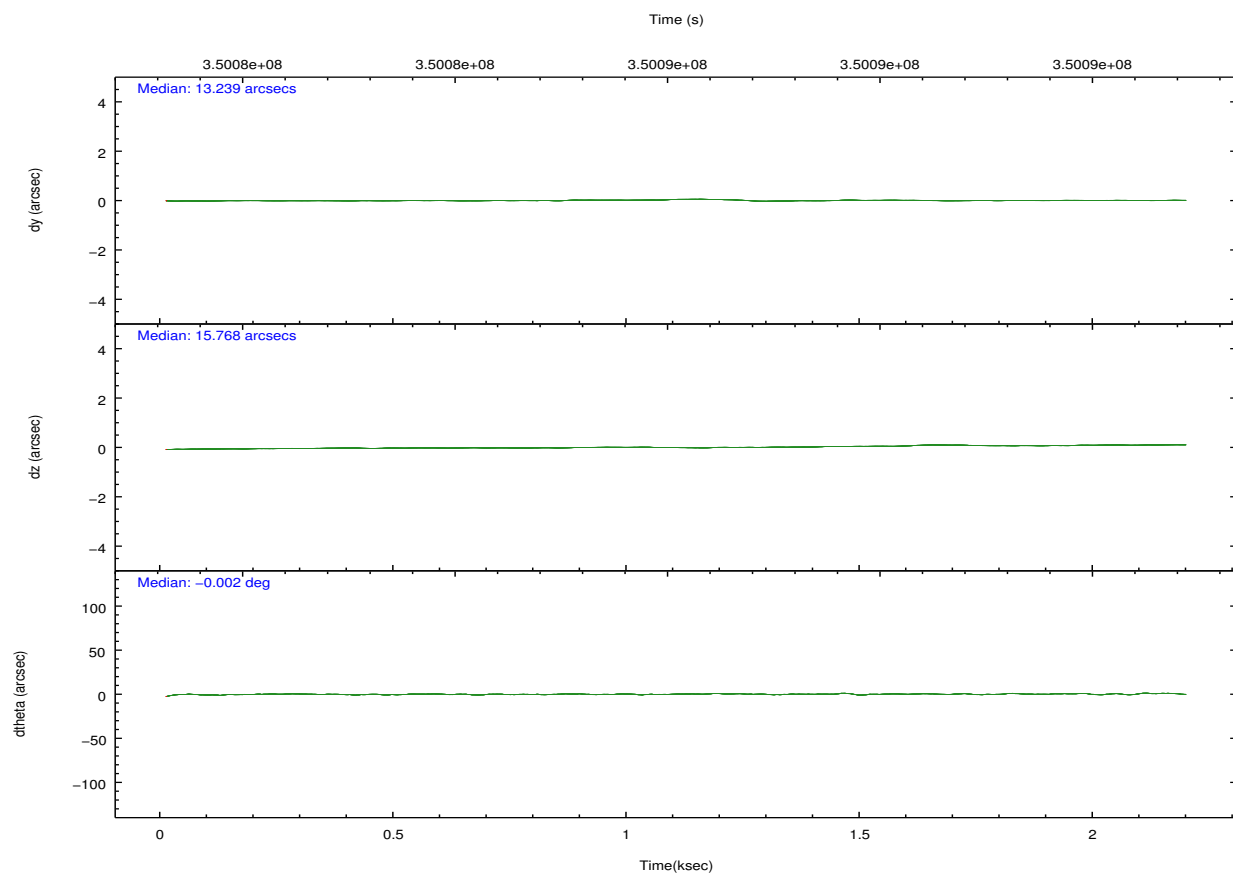
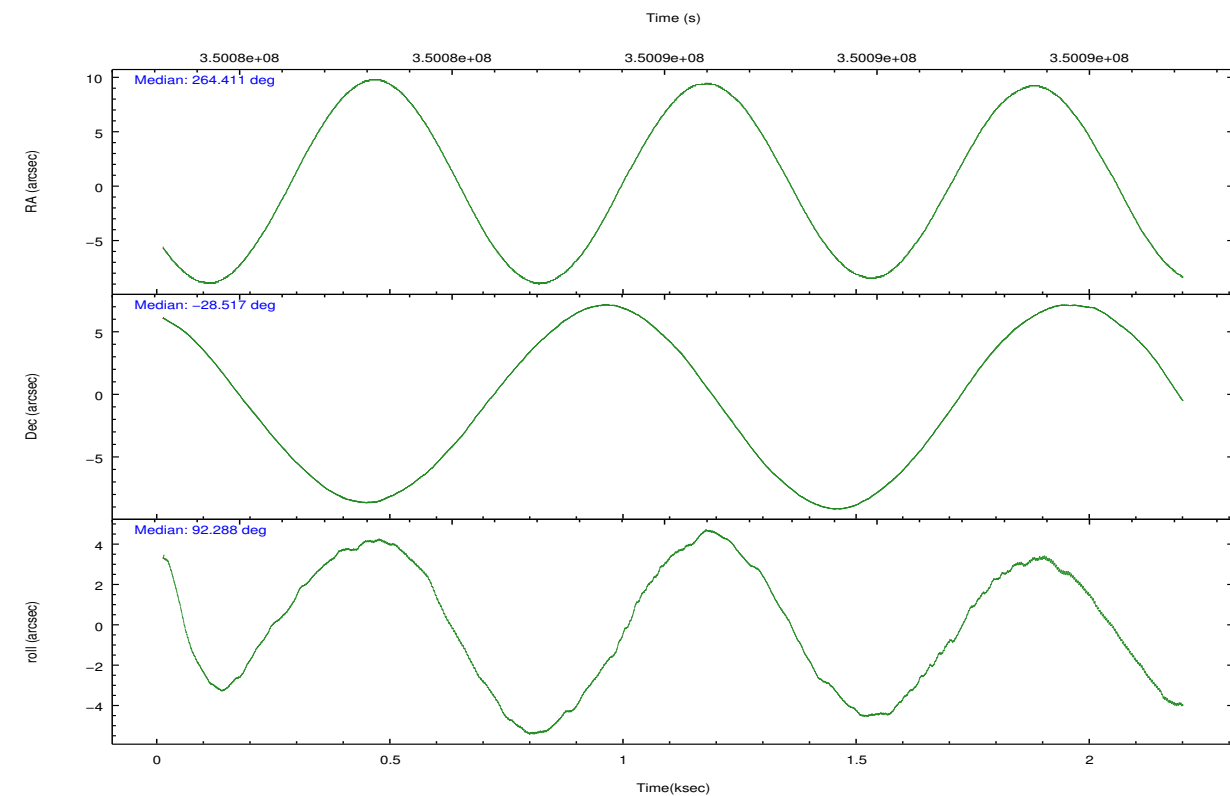
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1565	1607	1603	1606
	6%	6%	6%	6%
grade 1 events	14	8	20	26
	0%	0%	0%	0%
grade 2 events	725	859	706	624
	3%	3%	2%	2%
grade 3 events	317	333	277	314
	1%	1%	1%	1%
grade 4 events	293	318	293	299
	1%	1%	1%	1%
grade 5 events	1046	1185	1079	1154
	4%	4%	4%	4%
grade 6 events	570	717	548	611
	2%	2%	2%	2%
grade 7 events	19209	19580	21350	21572
	80%	79%	82%	82%

## 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	264.427665	264.410757582983	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.539994	-28.5166955333168	Alternating exposures requested	N	N
[deg] Pointing Roll	92.093809	92.29440378420885	[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)	350084618.184000	350084242.65516			
Observation start date	2009-02-03T21:42:32	2009-02-03T21:37:22			
[s] Observation end time (MET)	350086618.184000	350086751.85528			
Observation end date	2009-02-03T22:15:52	2009-02-03T22:19:11			
Read mode	TIMED	TIMED			

## 2.3 Aspect





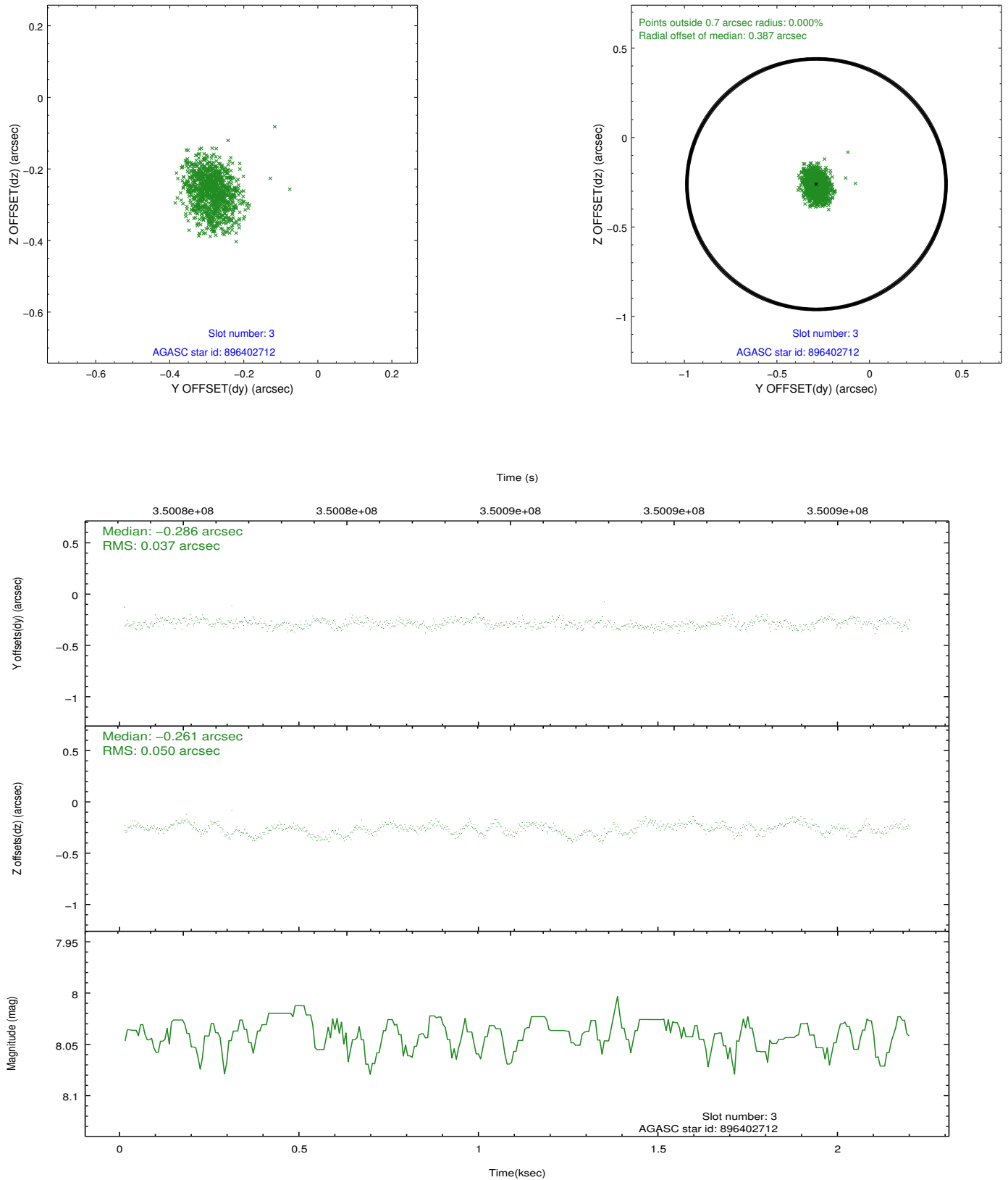
### Slot Statistics

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	534	0.047	-0.027	0.005	0.009	0.000000	0.000000	926.31	-839.43
1	FID	ACIS-I-5	7.00	534	-0.199	0.053	0.005	0.009	0.000000	0.000000	-1820.39	1056.65
2	FID	ACIS-I-6	7.00	534	0.061	0.045	0.006	0.011	0.000000	0.000000	388.64	1704.51
3	GUIDE	896402712	8.04	1068	-0.286	-0.261	0.066	0.108	263.793333	-28.203661	1277.49	1966.87
4	GUIDE	896402976	7.47	1067	0.043	0.290	0.068	0.107	265.099474	-28.923203	-1460.75	-2063.01
5	GUIDE	896403072	8.33	1068	0.181	-0.149	0.057	0.093	263.956439	-28.943077	-1400.46	1534.34
6	GUIDE	896405048	8.29	1068	-0.014	0.041	0.066	0.106	264.482575	-28.152230	1387.05	-223.66
7	GUIDE	896405616	7.83	1067	0.078	0.087	0.059	0.097	264.752771	-28.412560	420.03	-1044.93

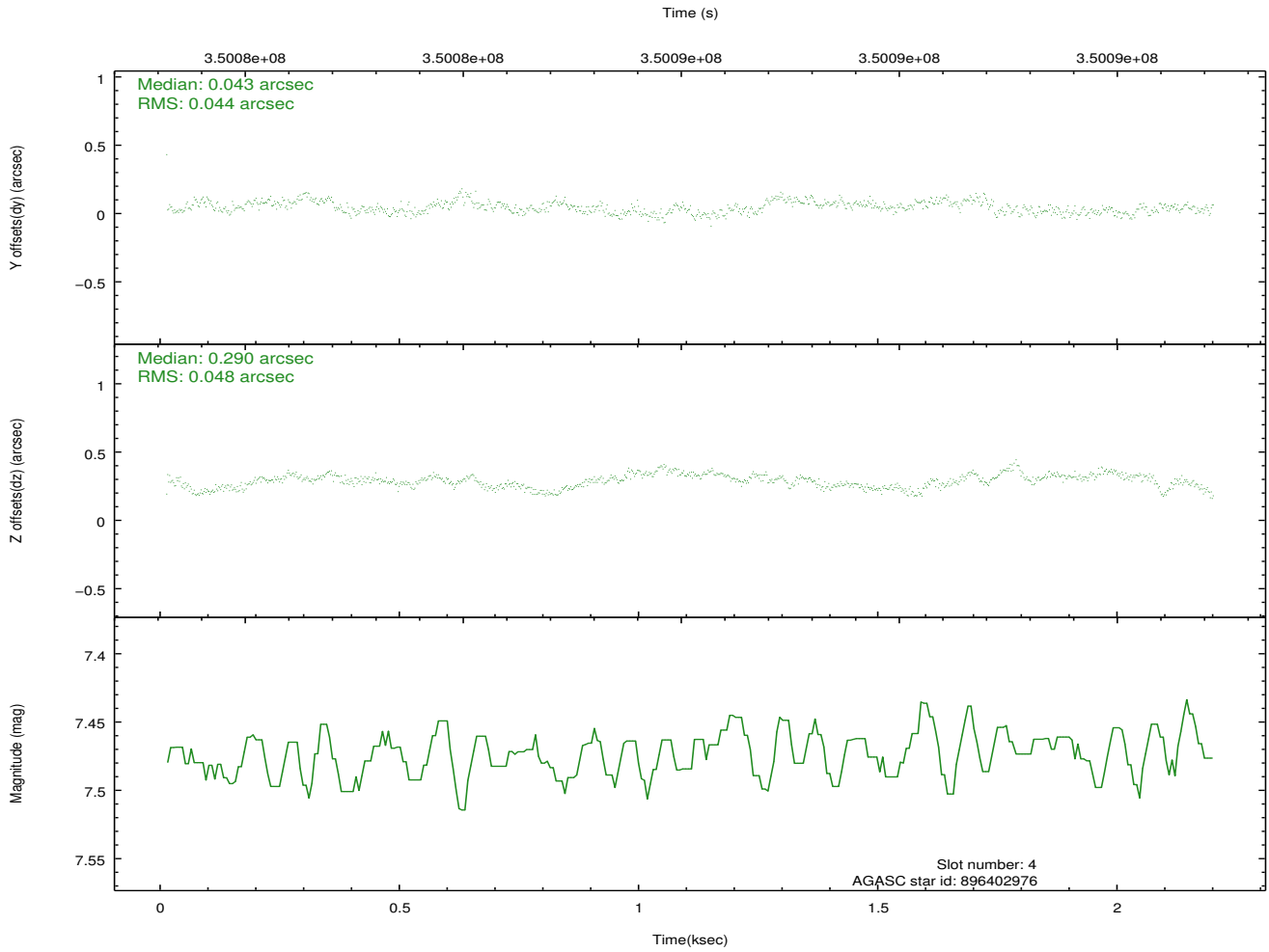
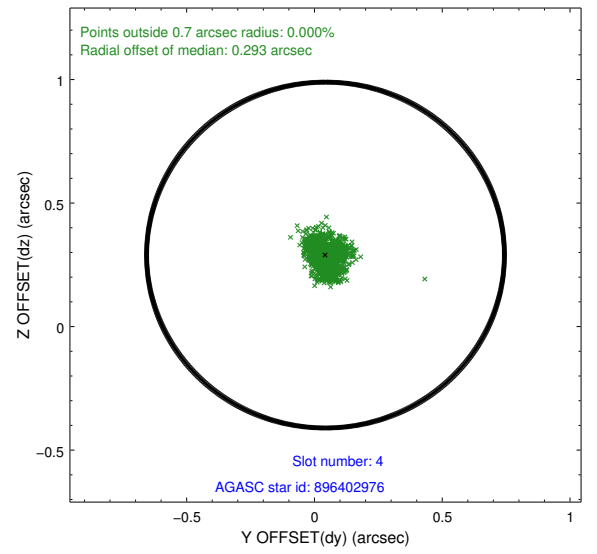
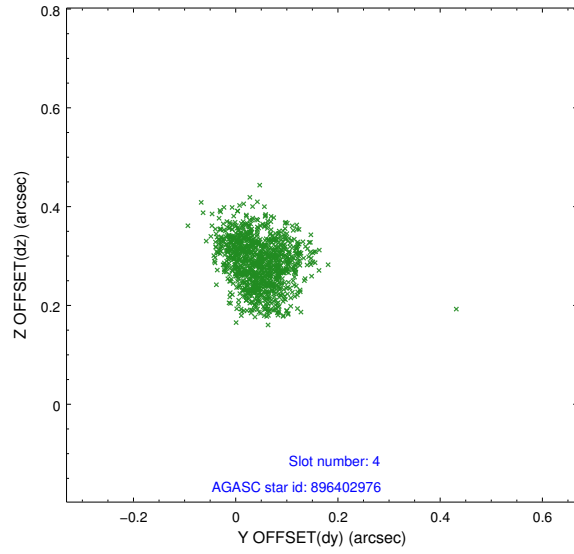


## 2.4 Star Slots

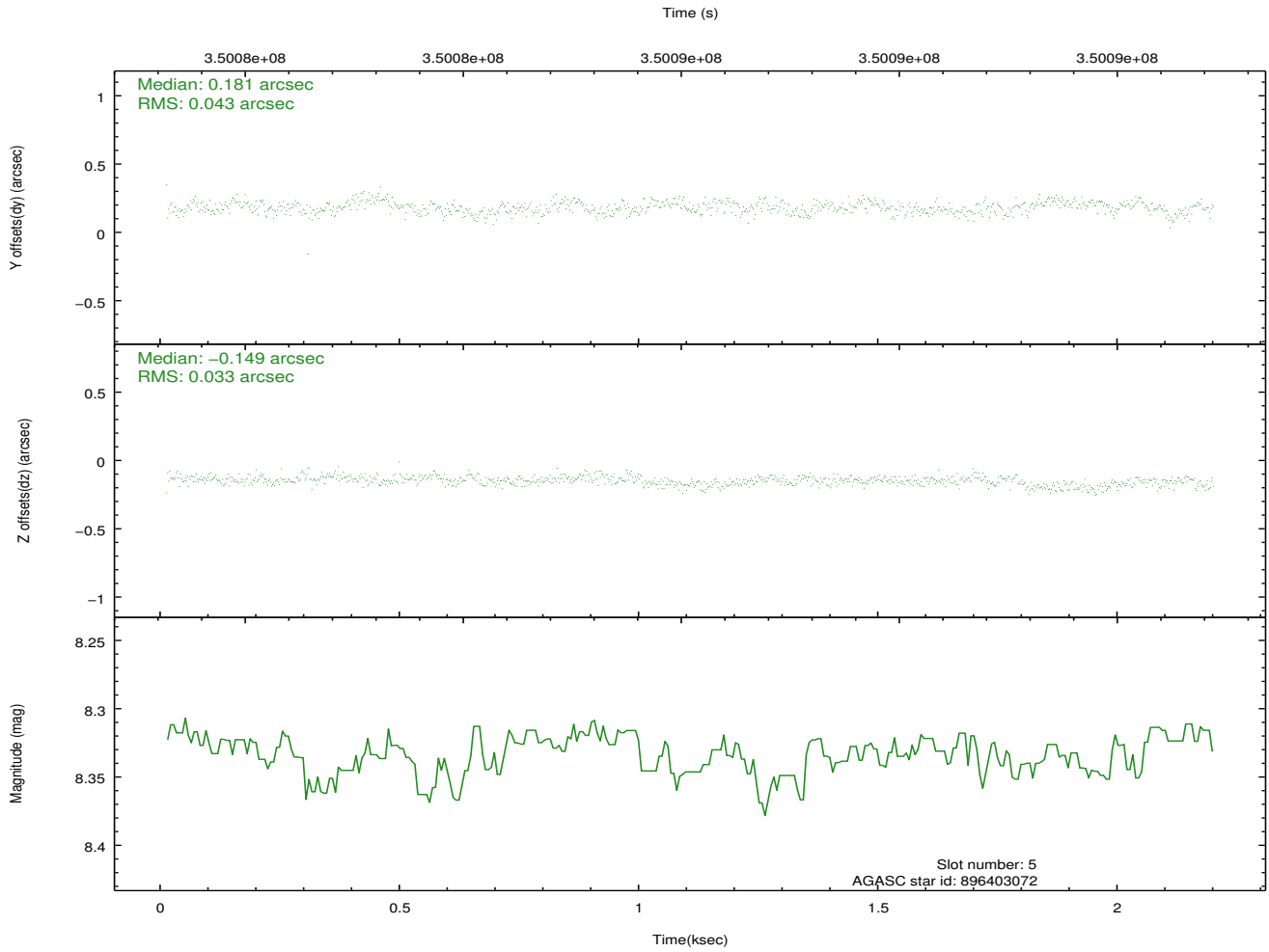
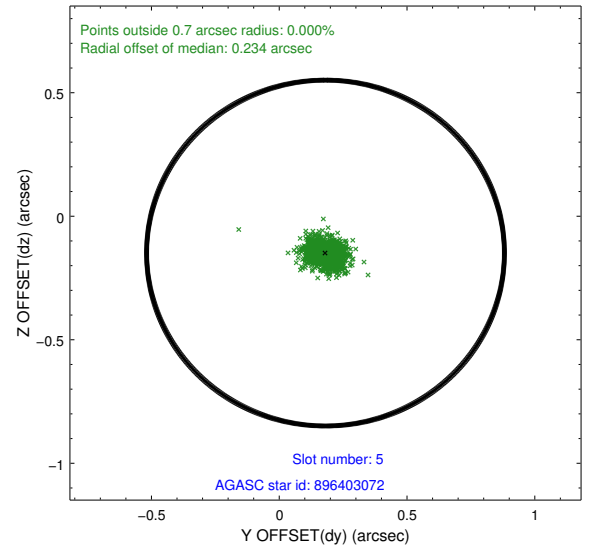
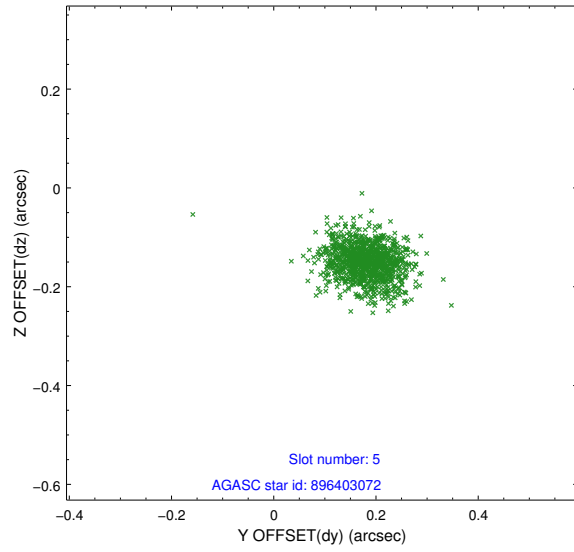
### 2.4.1 Slot 3



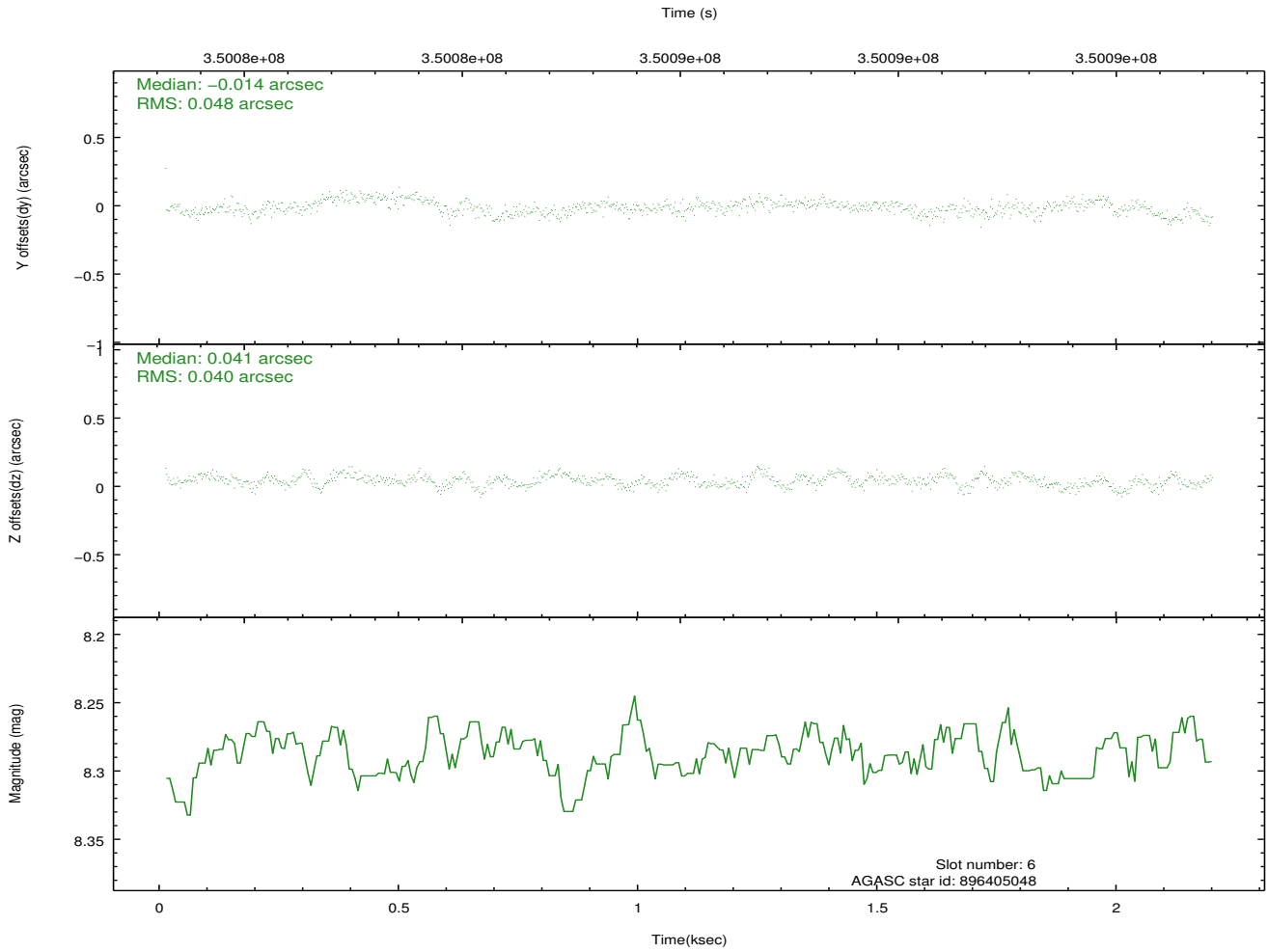
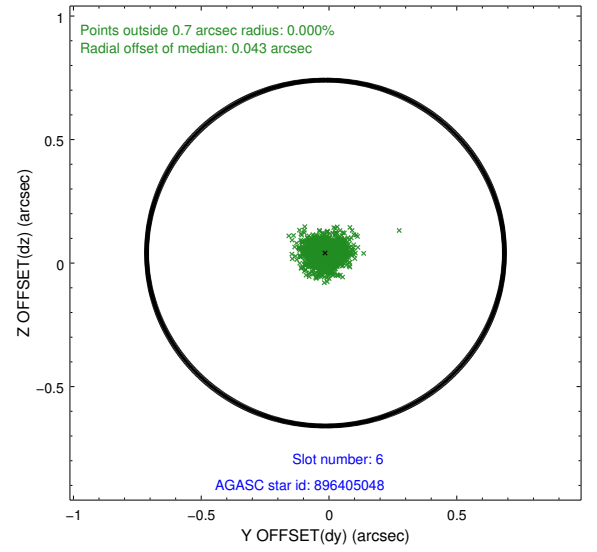
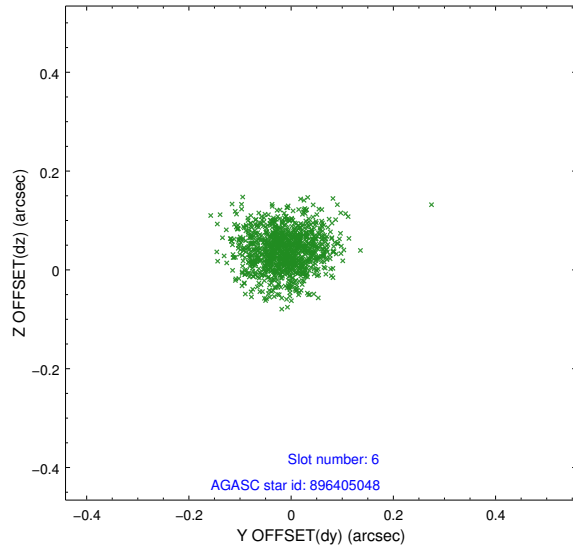
## 2.4.2 Slot 4



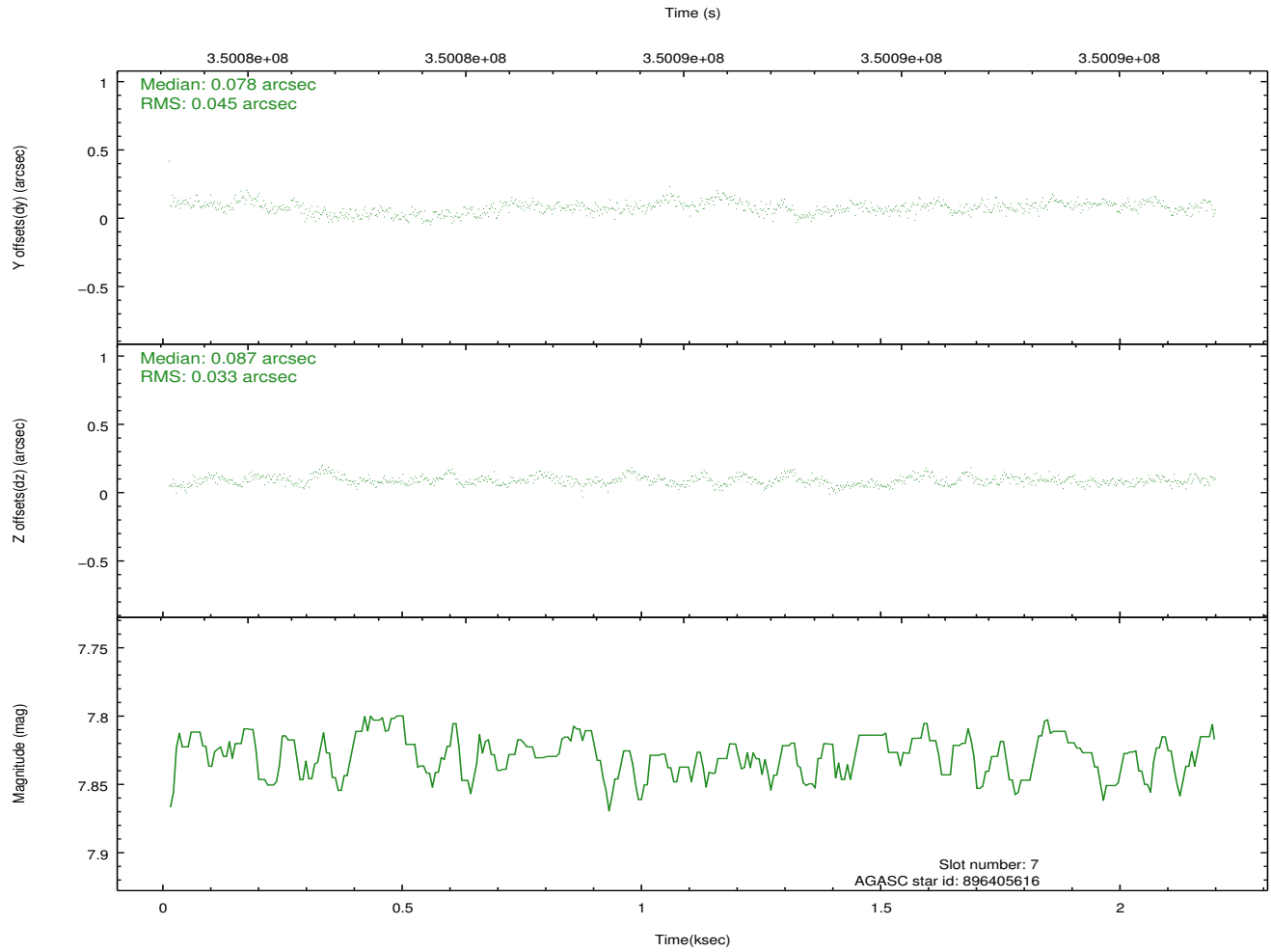
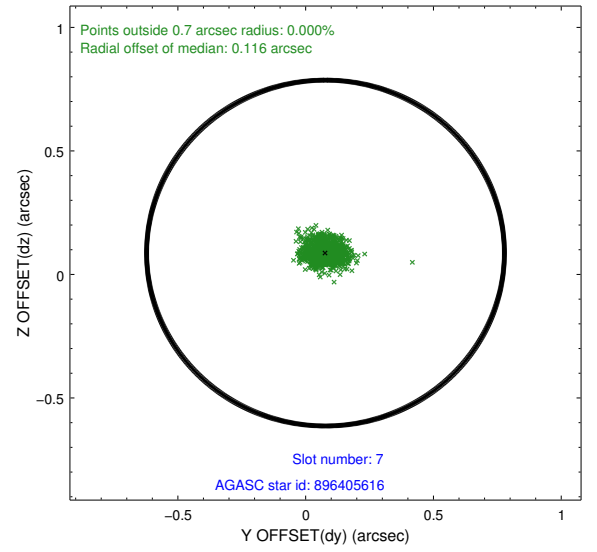
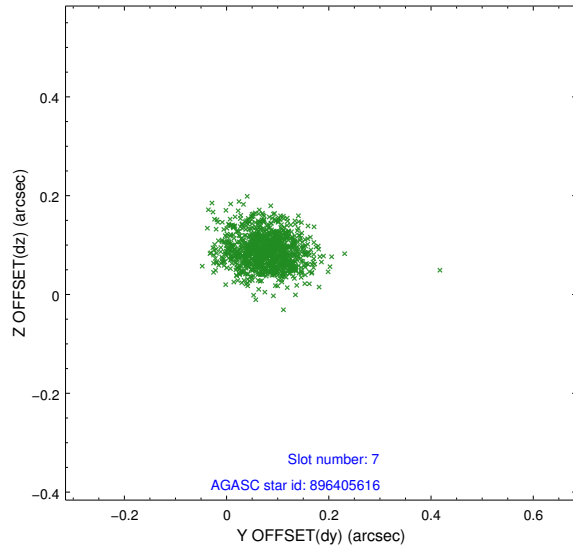
### 2.4.3 Slot 5



## 2.4.4 Slot 6

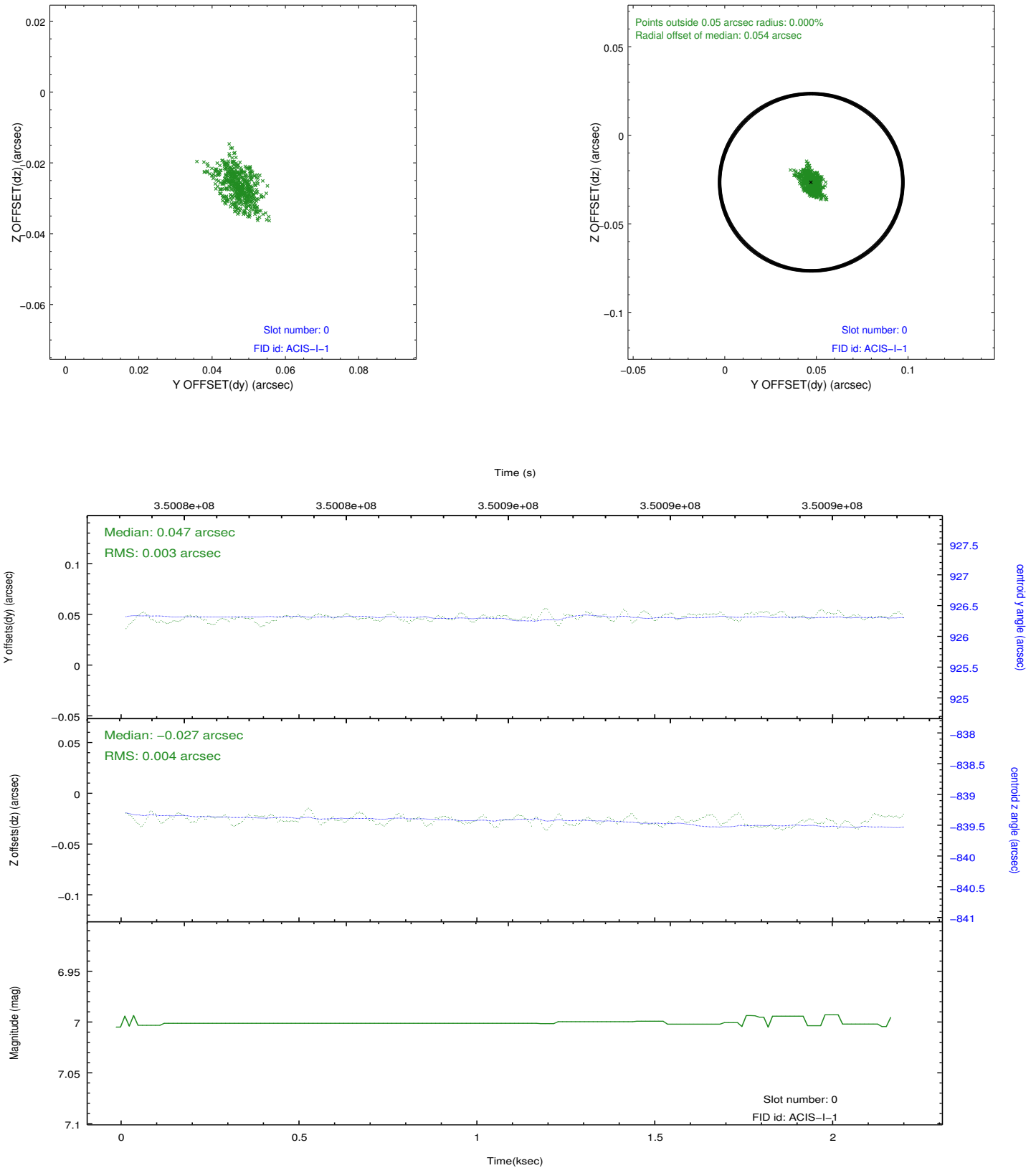


## 2.4.5 Slot 7

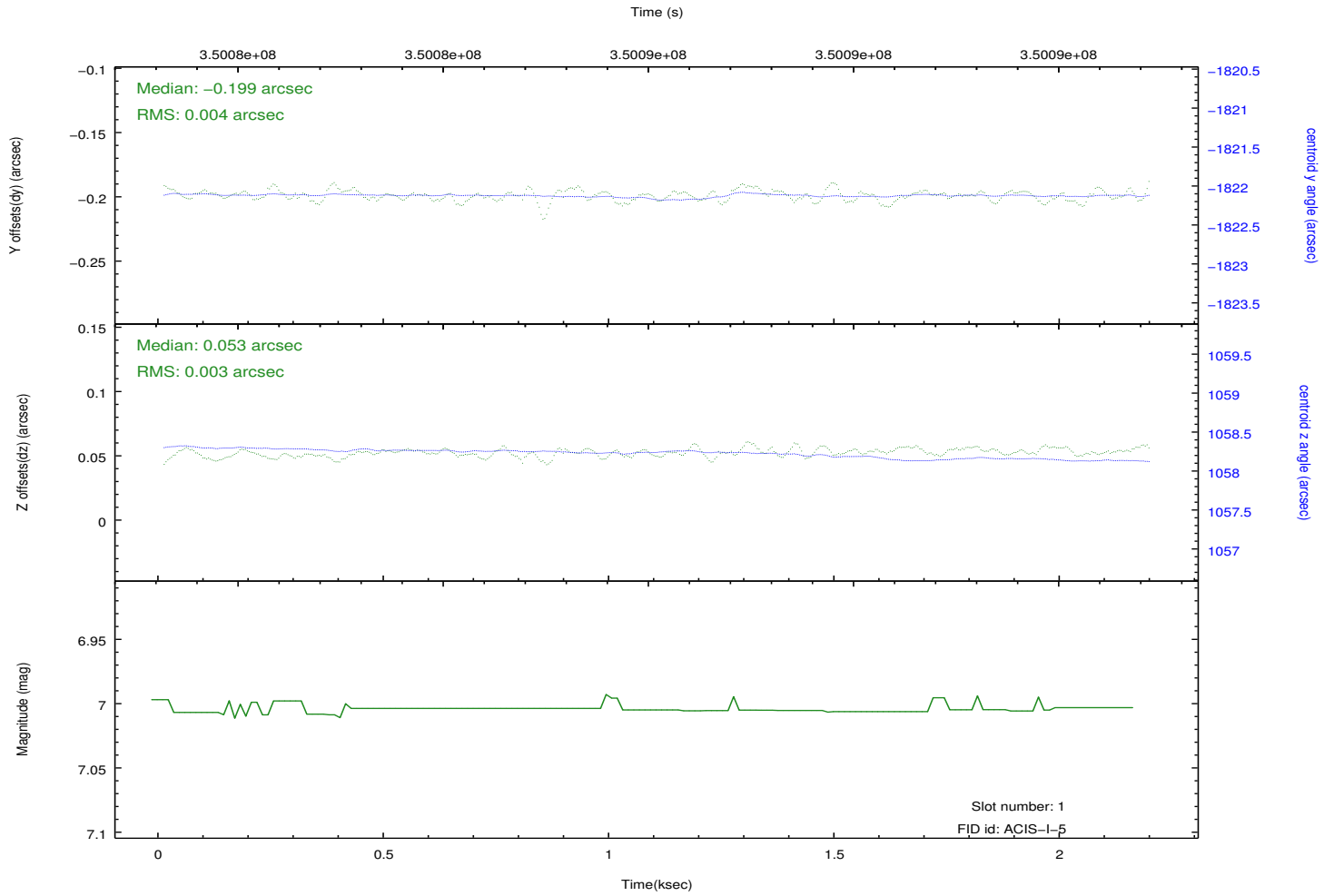
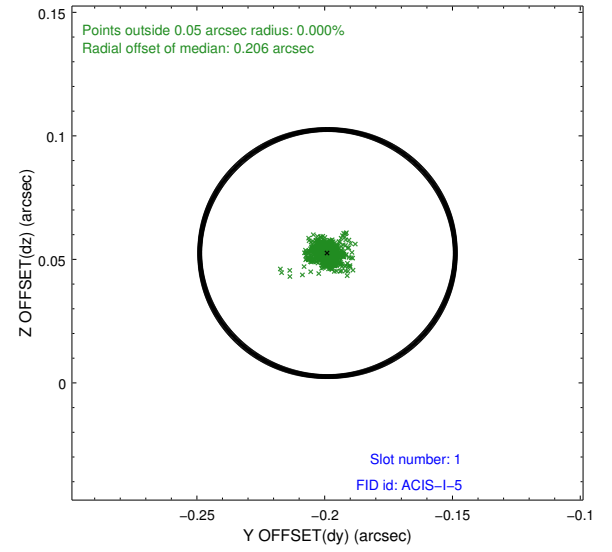
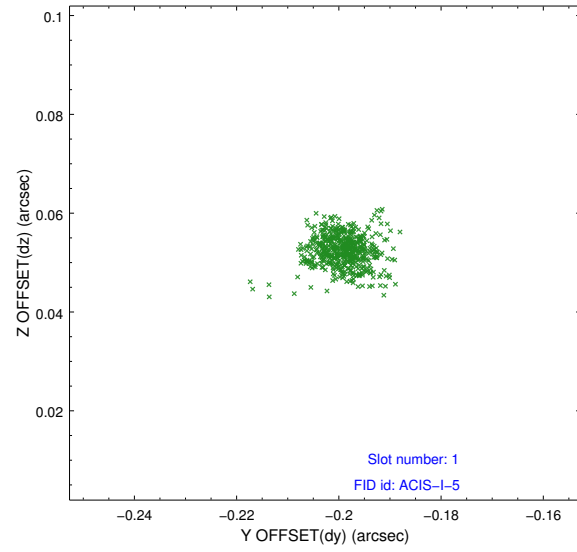


## 2.5 FID Slots

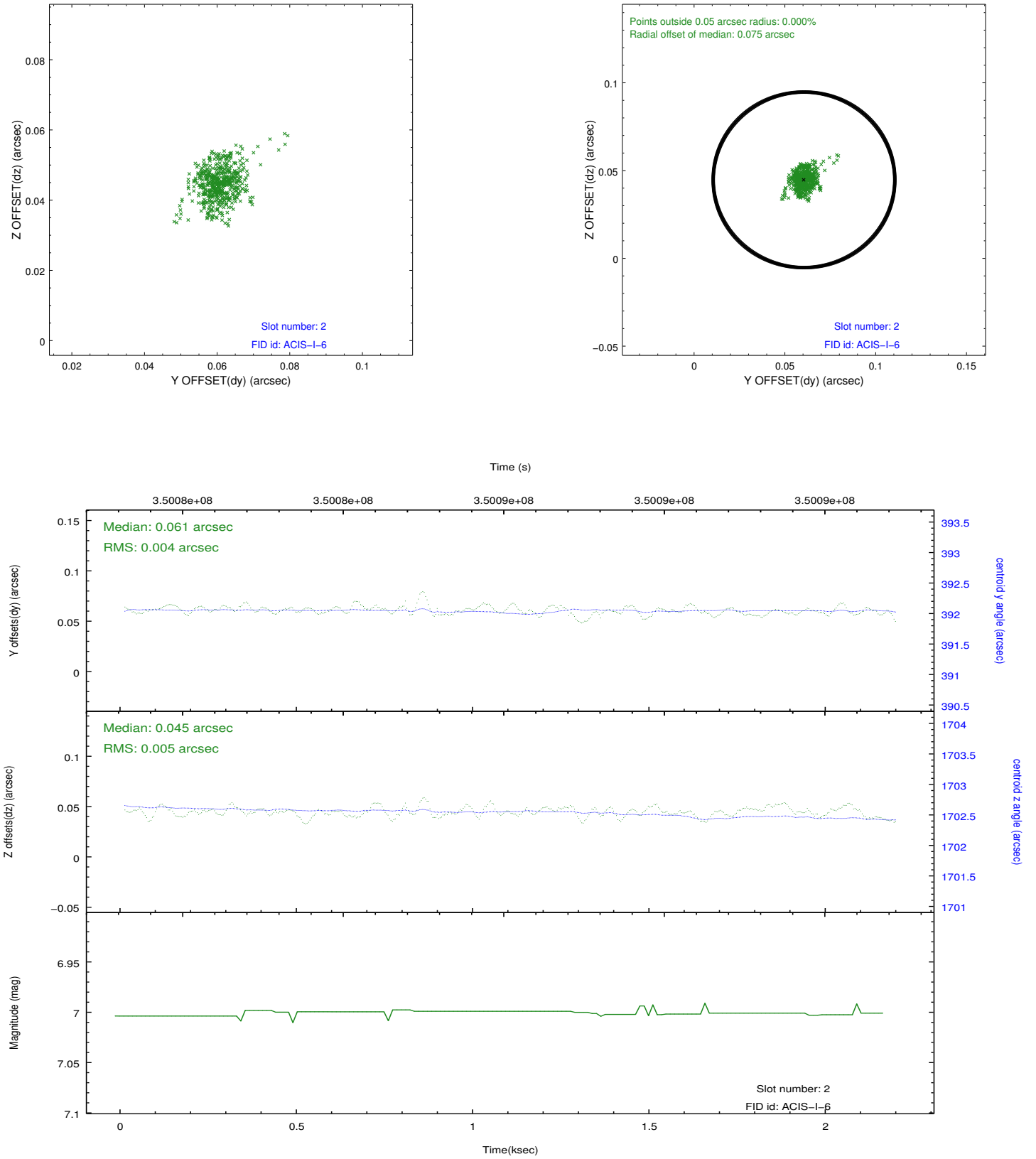
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

## A.2 Comments

Joint proposal with NOAO.