

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6264 - L2 Version 2  
Chandra X-Ray Center

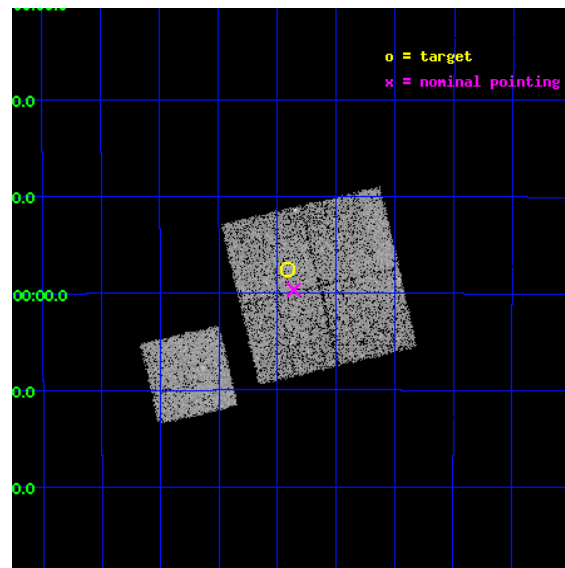
L2 Processing Date : Mar 28 2012

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# 1 Front

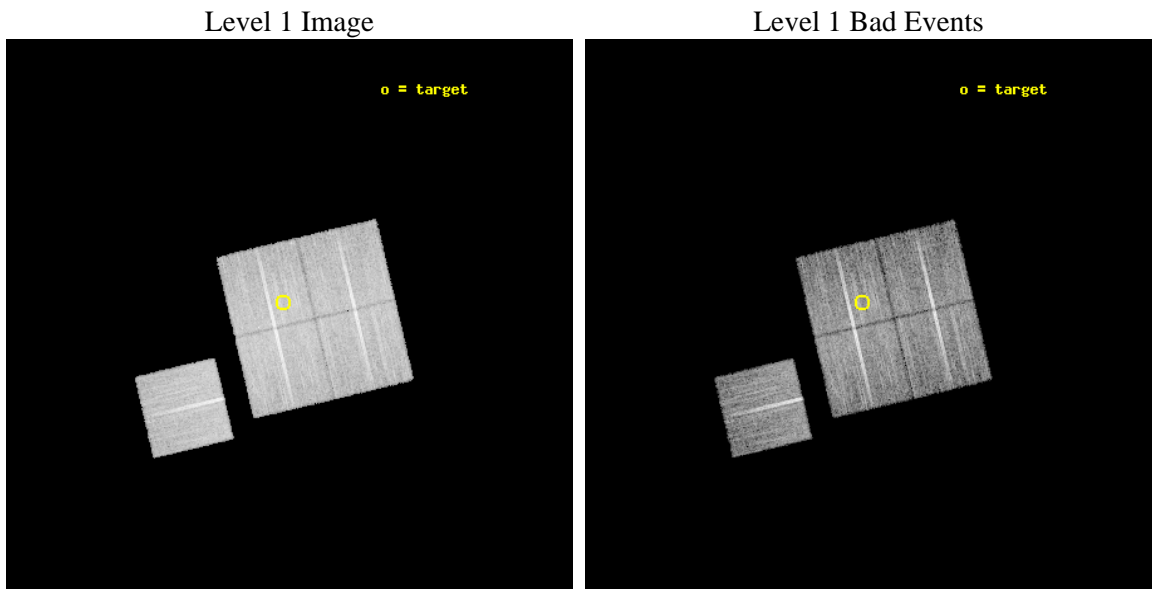
seq_num	800522	Sequence number
obs_id	6264	Observation id
title	The Galaxy Cluster Mass-T <sub>x</sub> Relation at High Redshift	Proposal tit
observer	Dr. Spencer Stanford	Principal investigator
object	RX J0337-3457	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.352917	Observer's specified target RA [deg]
dec_targ	-34.958056	Observer's specified target Dec [deg]
ra_nom	54.340027339237	Nominal RA [deg]
dec_nom	-34.994219094559	Nominal Dec [deg]
roll_nom	256.70109888623	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12477.417995661	Sum of GTIs [s]
livetime	12314.391343807	Livetime [s]
ontime0	12483.699975967	Sum of GTIs [s]
ontime1	12480.559005708	Sum of GTIs [s]
ontime2	12480.5589858	Sum of GTIs [s]
ontime3	12477.417995661	Sum of GTIs [s]
ontime6	12483.699975967	Sum of GTIs [s]
l2events	41576	Number of level 2 events



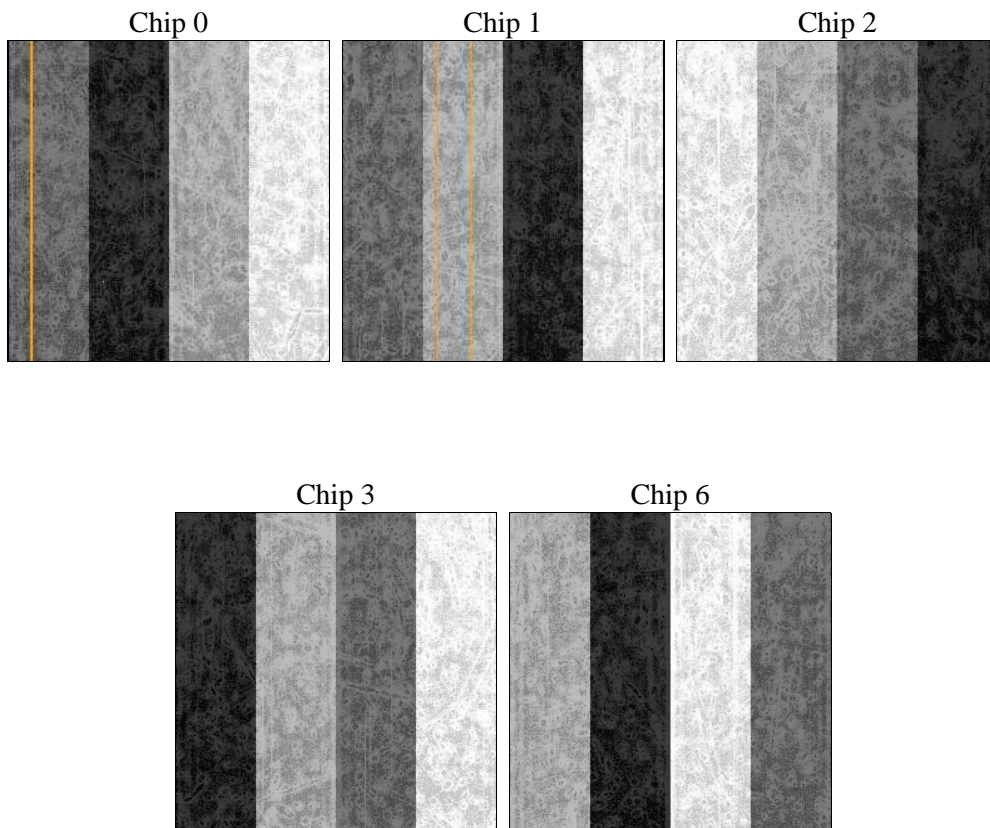
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	12477.417995661	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	12483.699975967	Sum of GTIs [s]
date	2012-03-28T03:14:03	Date and time of file creation	ontime1	12480.559005708	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	12480.5589858	Sum of GTIs [s]
			ontime3	12477.417995661	Sum of GTIs [s]
			ontime6	12483.699975967	Sum of GTIs [s]
			l1events	494306	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	96599	91965	106281	98713	100748
rejected events	87286	81653	96849	89610	89281
rejected %	90%	88%	91%	90%	88%

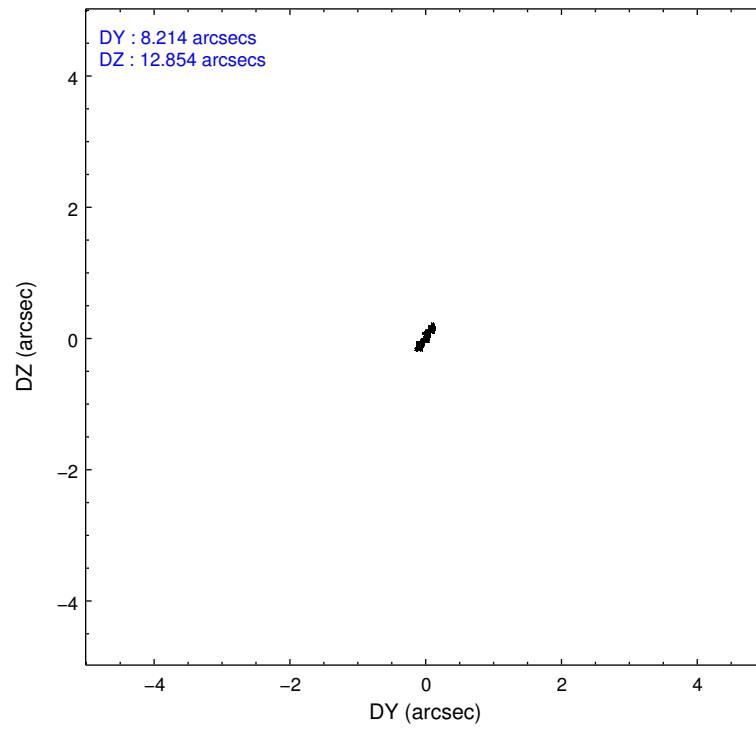
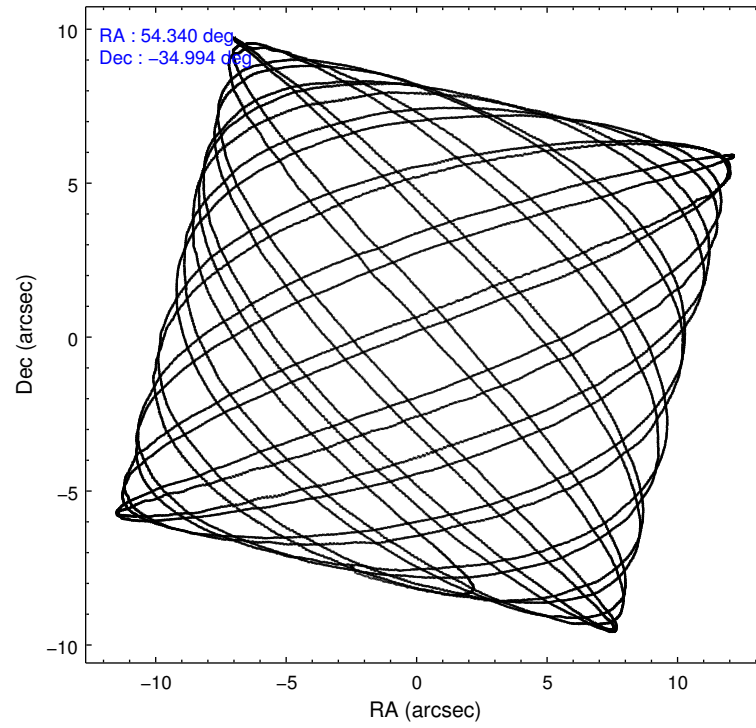
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3766	4184	4121	3800	5471
	3%	4%	3%	3%	5%
grade 1 events	49	45	62	55	71
	0%	0%	0%	0%	0%
grade 2 events	2250	2296	2321	2042	2354
	2%	2%	2%	2%	2%
grade 3 events	1159	1176	1013	1048	1160
	1%	1%	0%	1%	1%
grade 4 events	1025	1171	1045	1051	1125
	1%	1%	0%	1%	1%
grade 5 events	3349	3733	3234	3918	3856
	3%	4%	3%	3%	3%
grade 6 events	1786	2271	1678	1855	2130
	1%	2%	1%	1%	2%
grade 7 events	83215	77089	92807	84944	84581
	86%	83%	87%	86%	83%

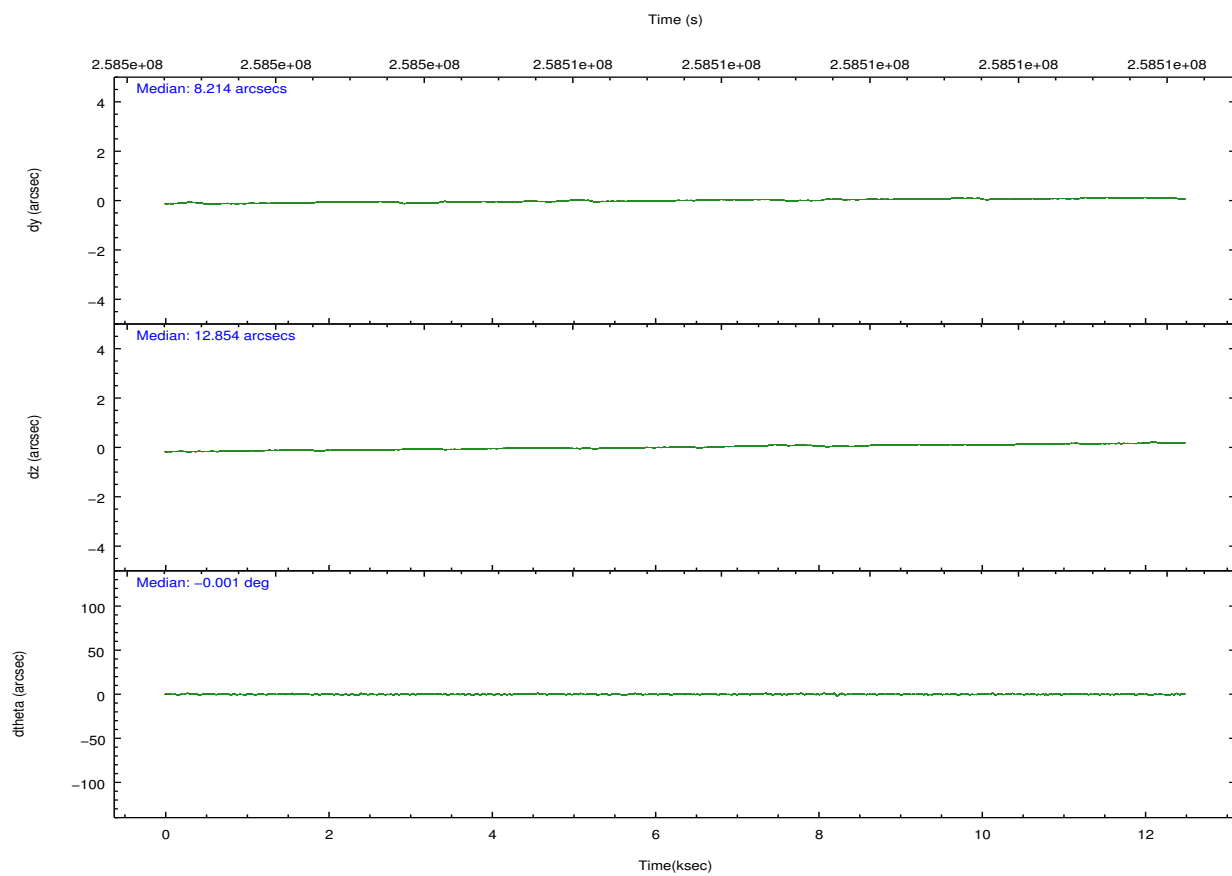
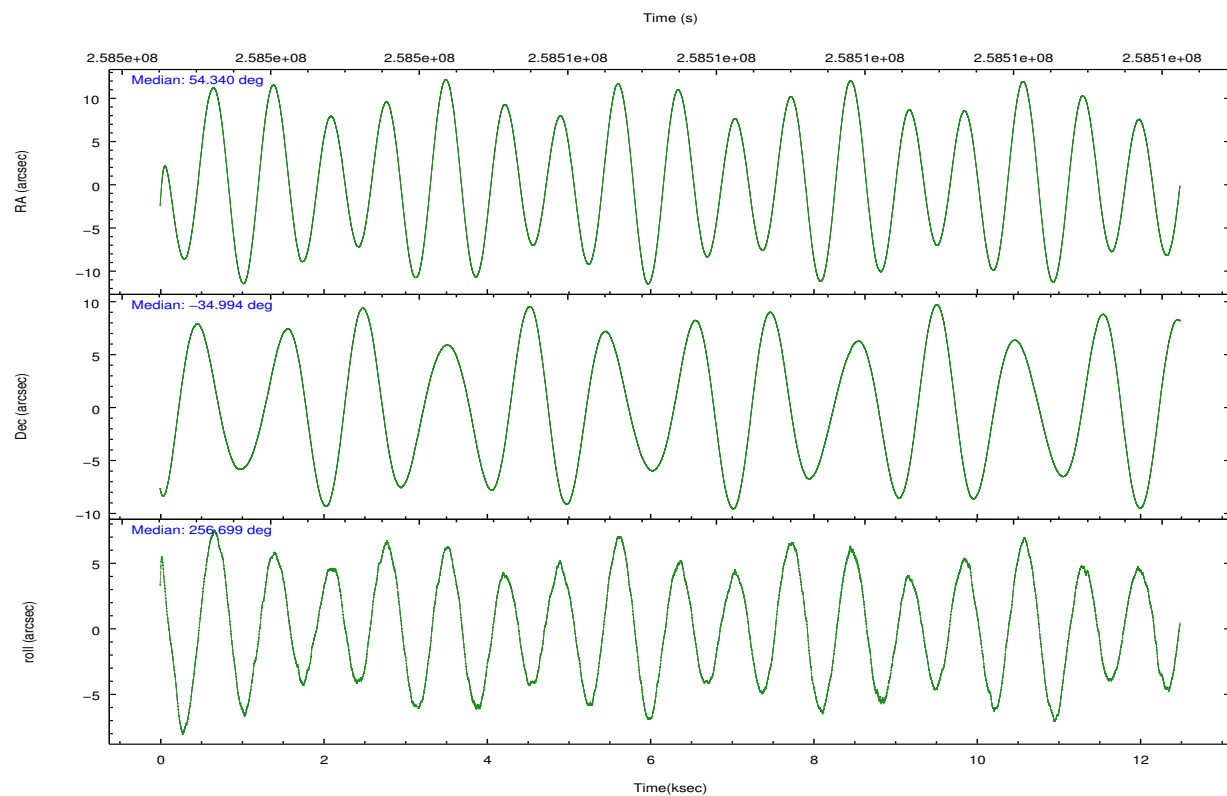


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	54.330344	54.34002733923721	Subarray requested	NONE	NONE
[deg] Pointing Dec	-34.968005	-34.99421909455873	Alternating exposures requested	N	N
[deg] Pointing Roll	256.486854	256.7010988862272	[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	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	258501319.184000	258499814.54623			
Observation start date	2006-03-11T21:54:14	2006-03-11T21:30:14			
[s] Observation end time (MET)	258513619.184000	258515156.23444			
Observation end date	2006-03-12T01:19:14	2006-03-12T01:45:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect



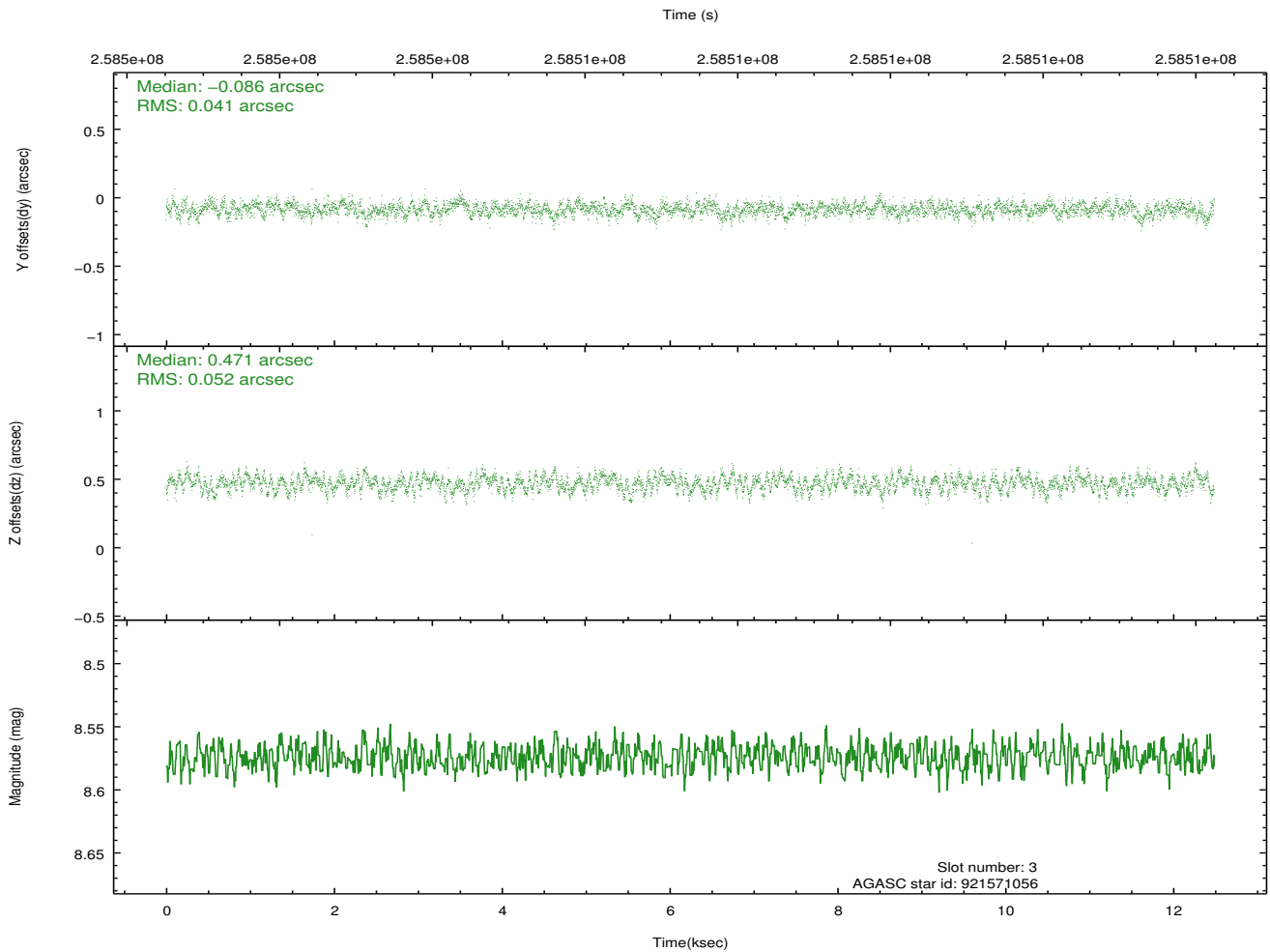
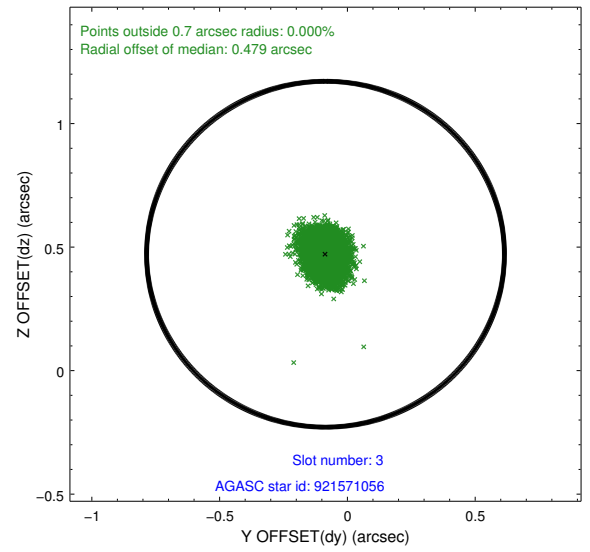
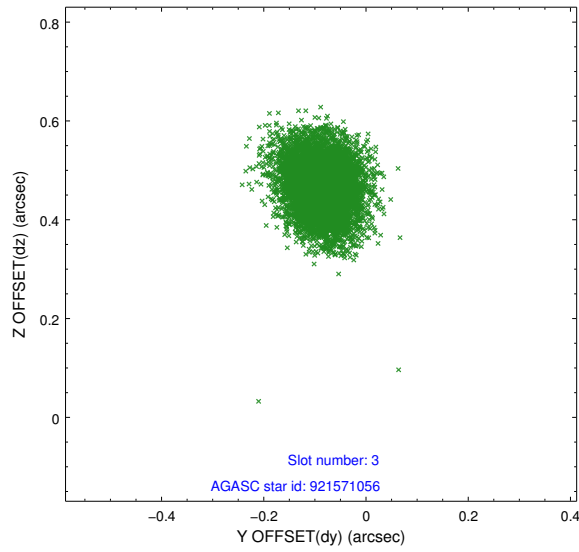


### Slot Statistics

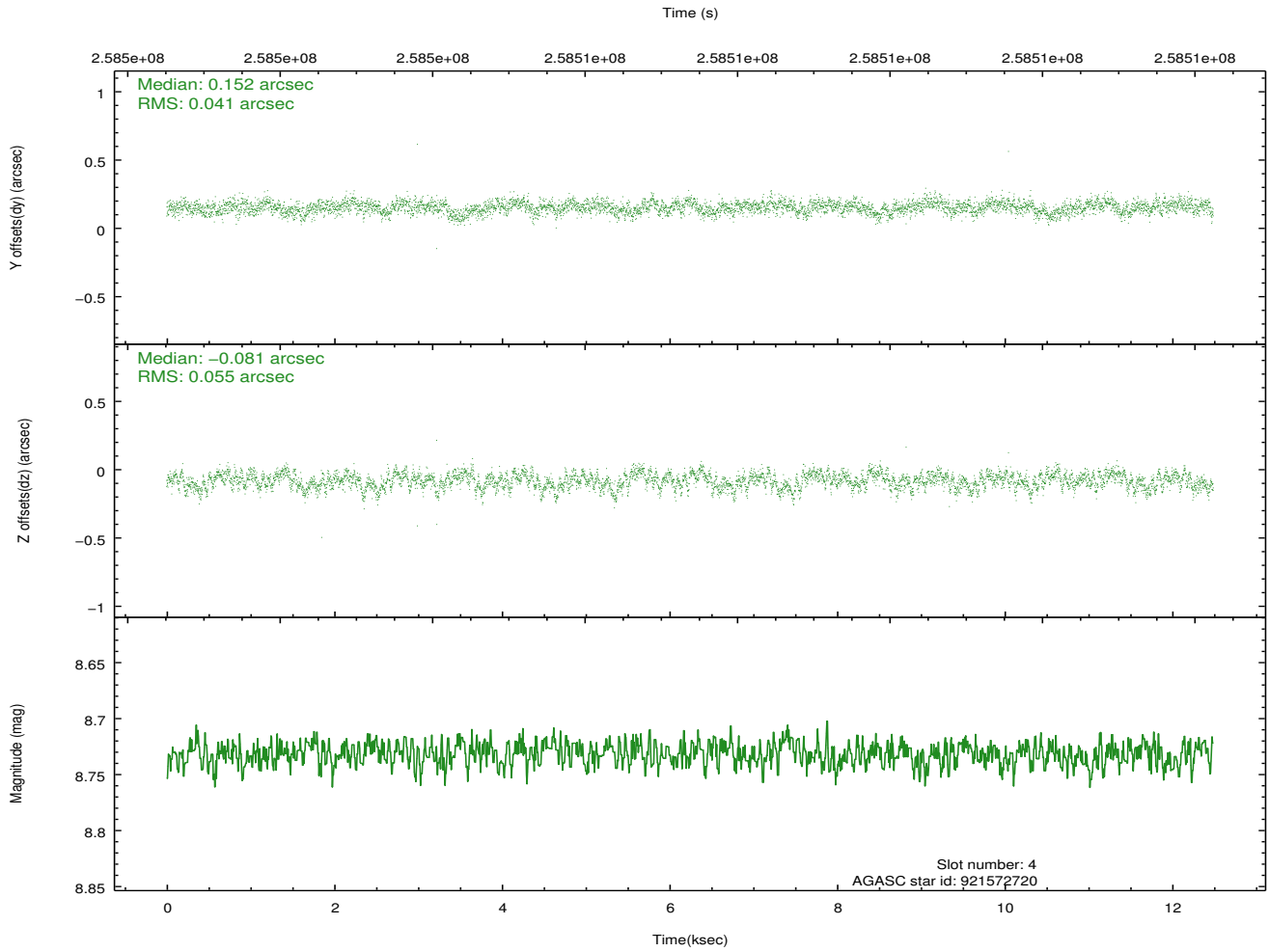
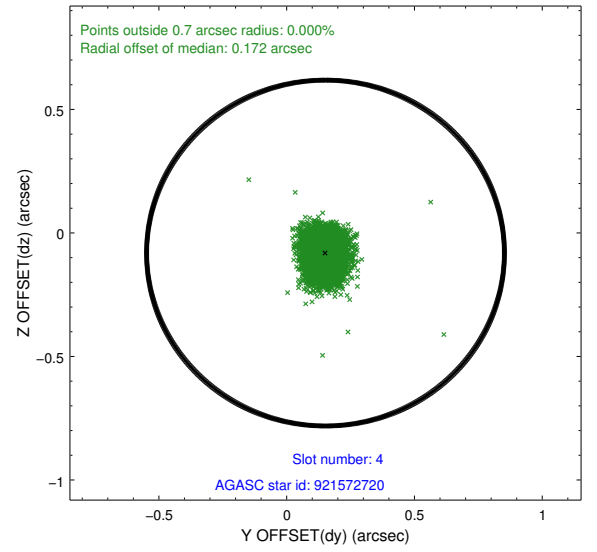
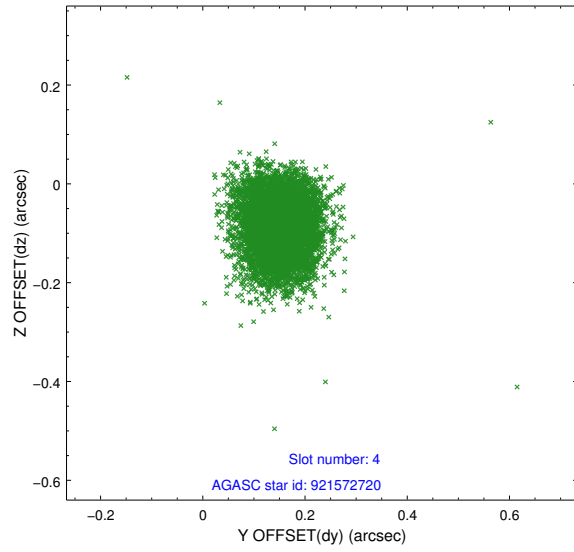
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	3047	0.121	-0.089	0.007	0.012	0.000000	0.000000	931.42	-959.65
1	FID	ACIS-I-5	7.22	3047	-0.252	0.107	0.007	0.012	0.000000	0.000000	-1816.80	937.86
2	FID	ACIS-I-6	7.25	3046	0.039	0.053	0.007	0.012	0.000000	0.000000	396.52	1582.71
3	GUIDE	921571056	8.57	6092	-0.086	0.471	0.070	0.114	54.339011	-34.649674	-1120.23	-241.94
4	GUIDE	921572720	8.73	6090	0.152	-0.081	0.071	0.117	54.127171	-34.789534	-483.65	-733.73
5	GUIDE	921575528	7.96	6093	-0.056	-0.150	0.056	0.094	55.012292	-34.549755	-1929.22	1616.20
6	GUIDE	921575736	8.53	6091	0.016	-0.174	0.066	0.104	54.586331	-34.827401	-668.26	618.06
7	GUIDE	921966544	7.92	6092	-0.026	-0.062	0.051	0.086	54.743508	-35.636012	2058.44	1738.35

## 2.4 Star Slots

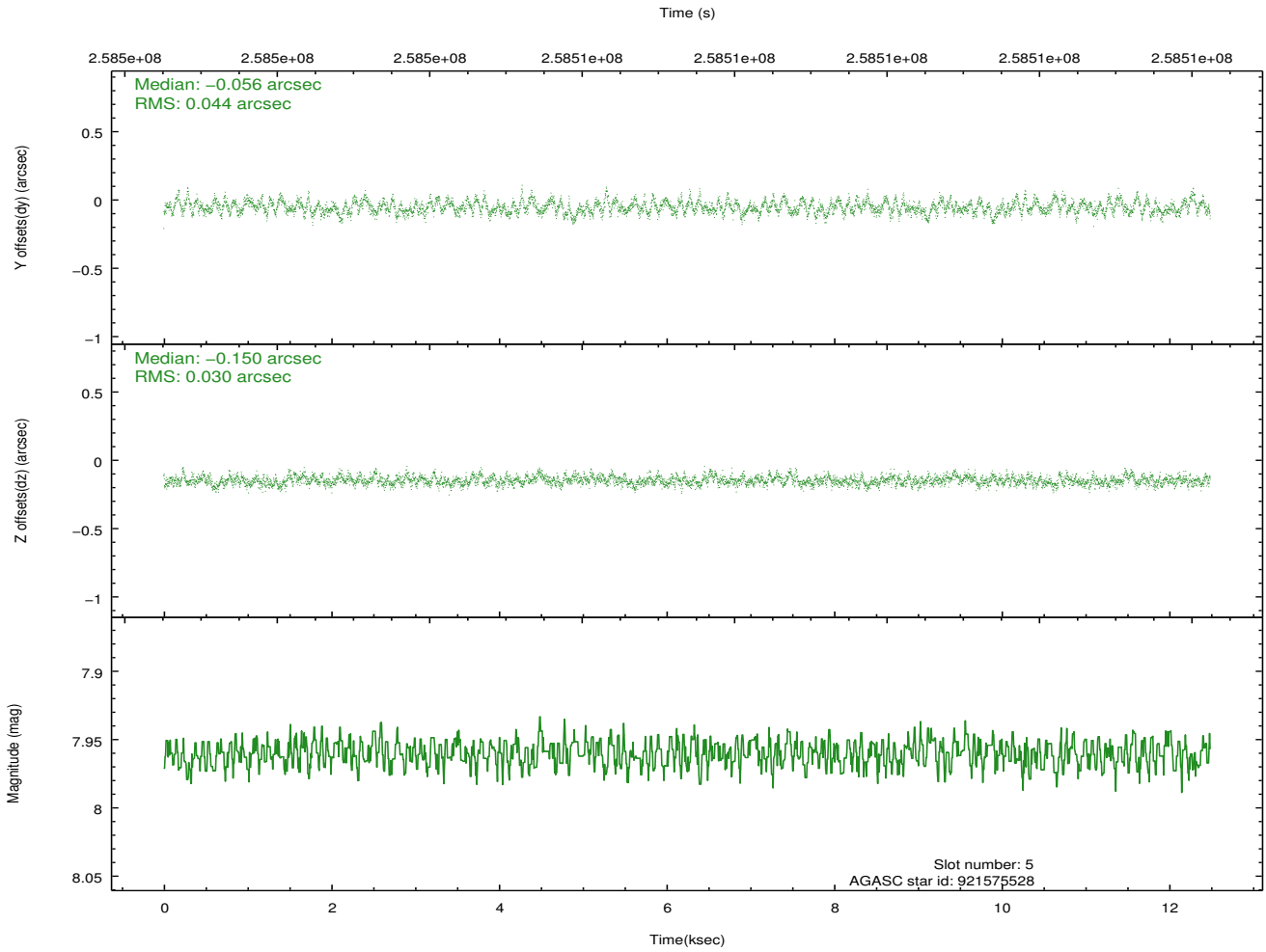
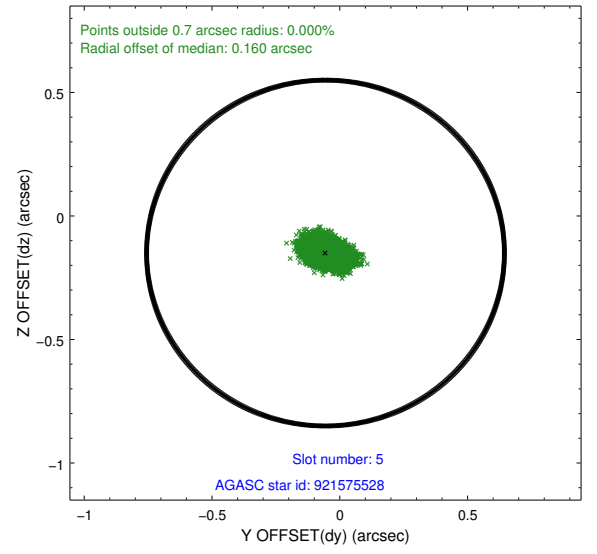
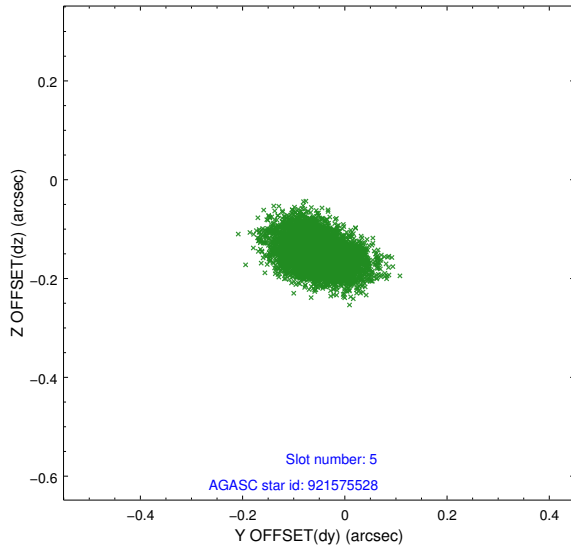
### 2.4.1 Slot 3



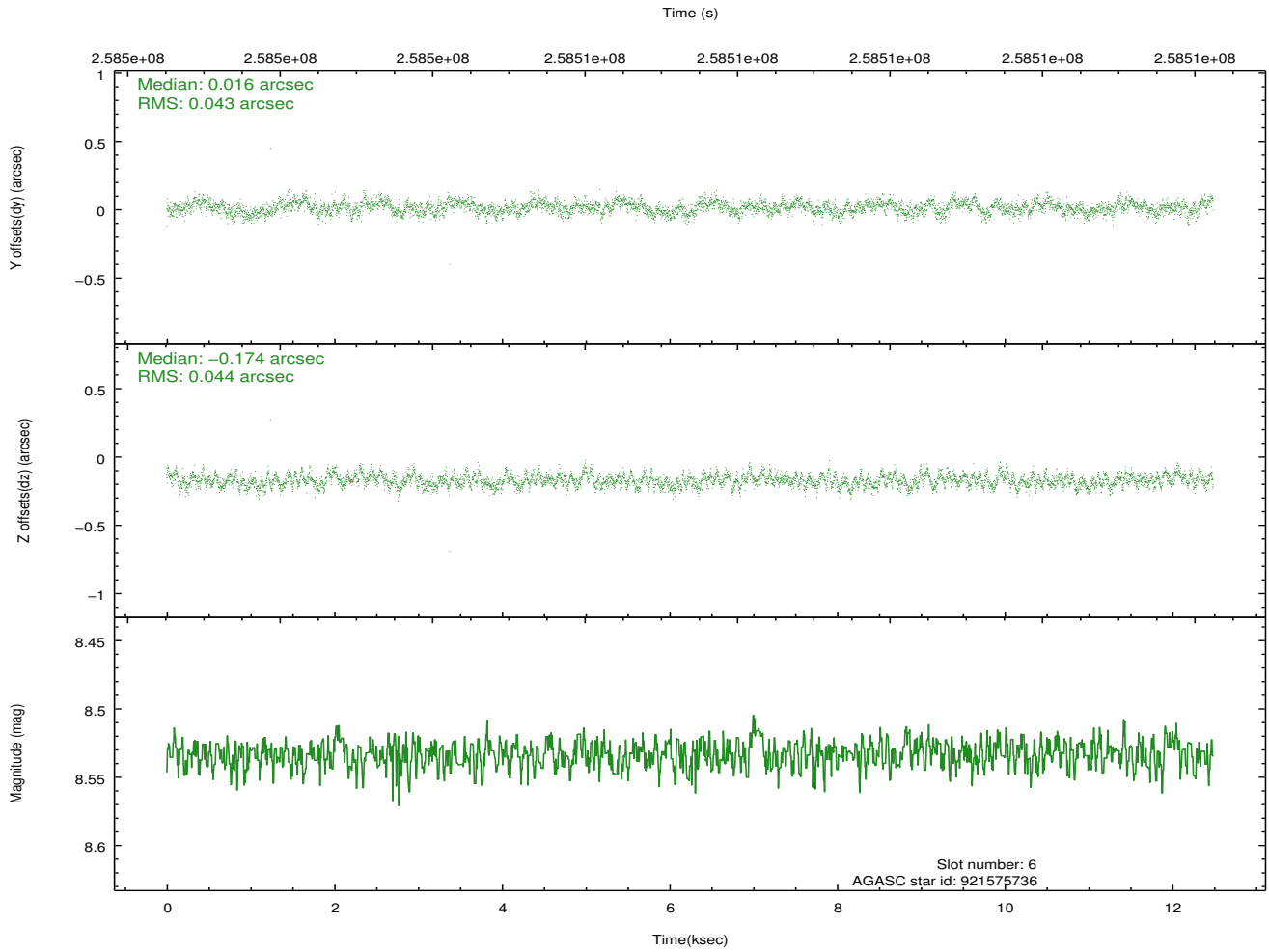
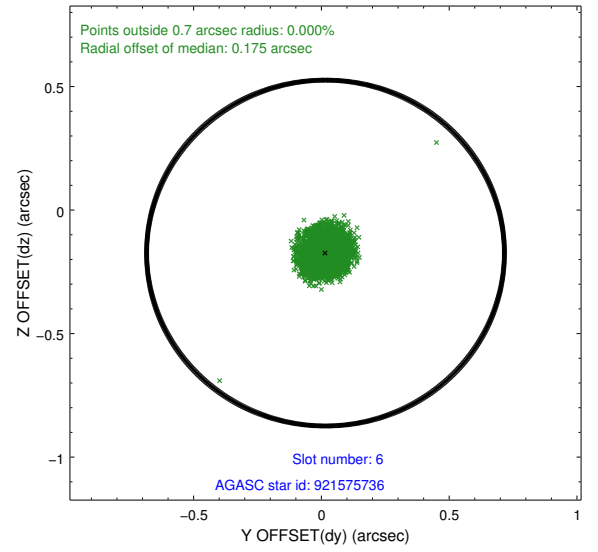
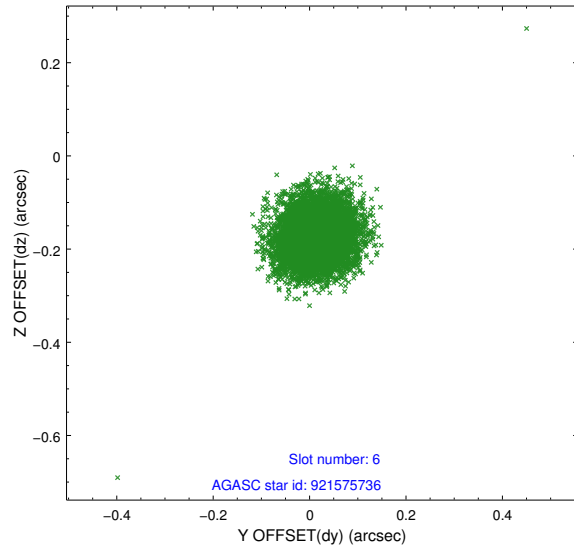
## 2.4.2 Slot 4



### 2.4.3 Slot 5

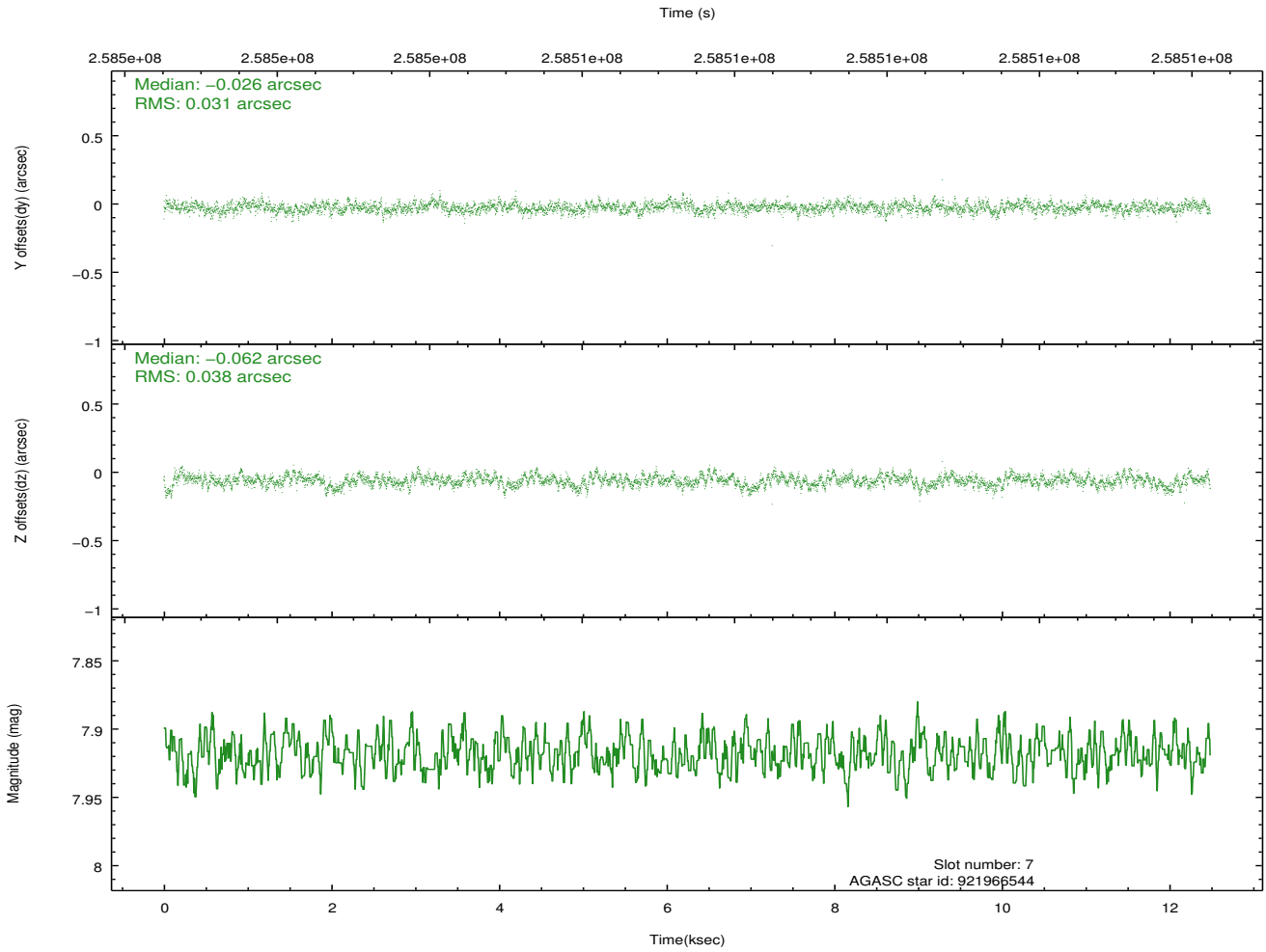
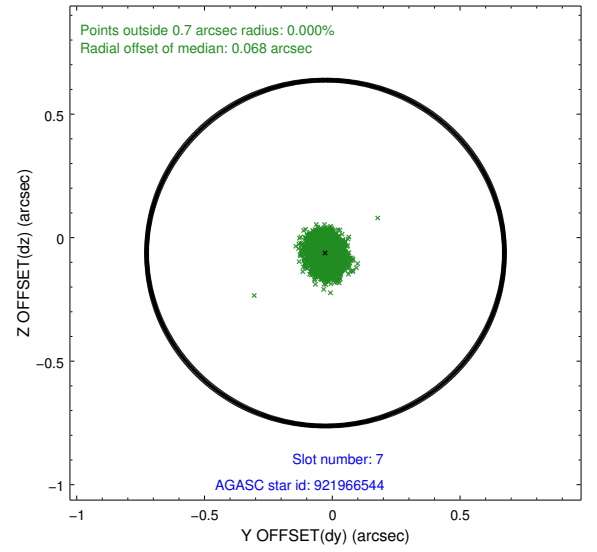
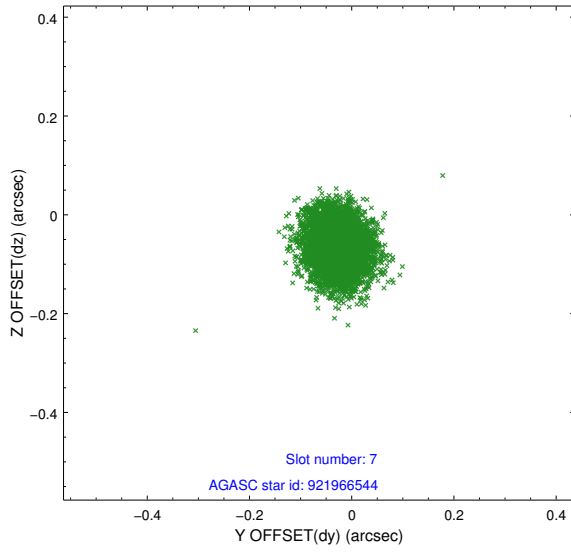


## 2.4.4 Slot 6



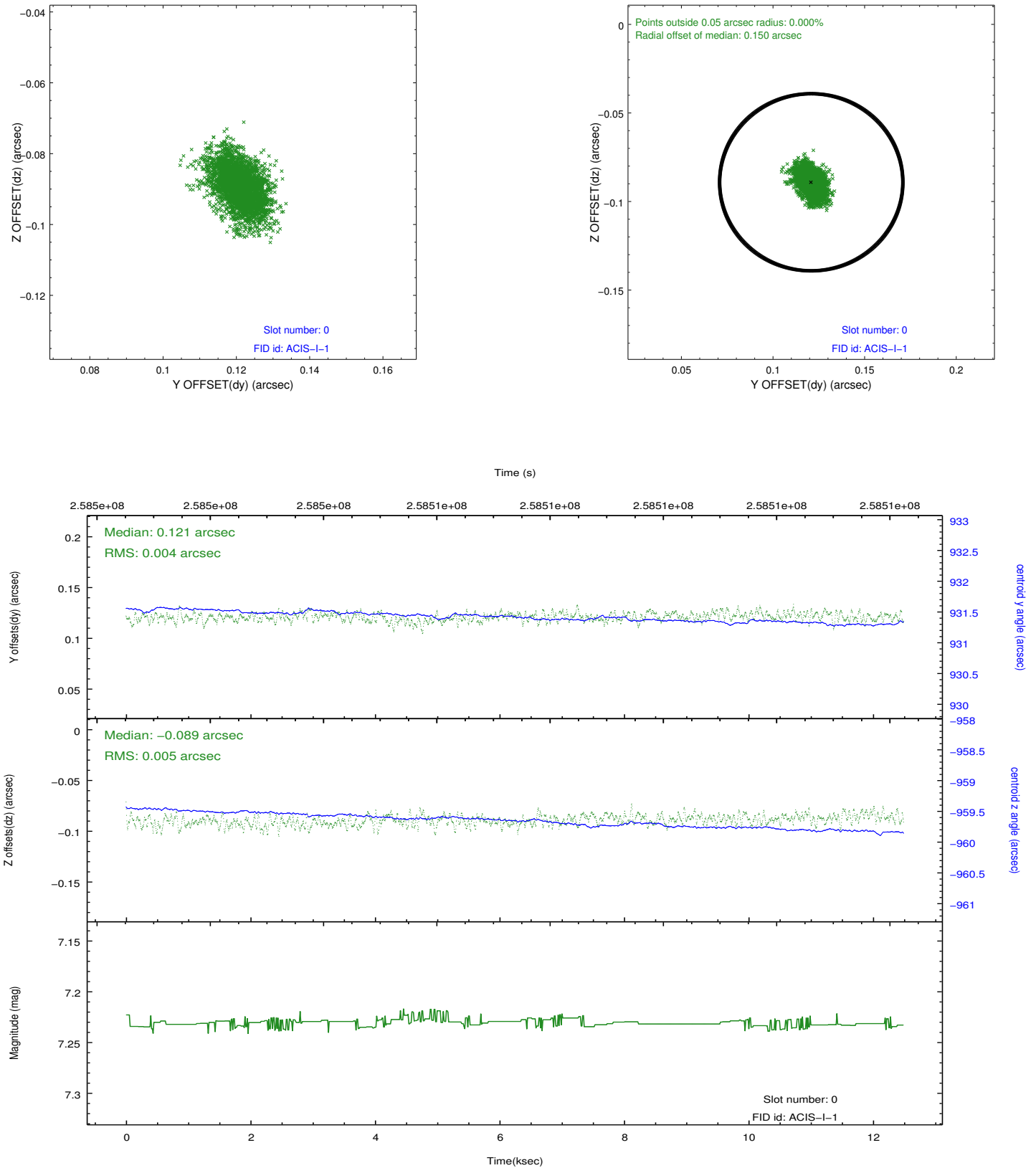


## 2.4.5 Slot 7

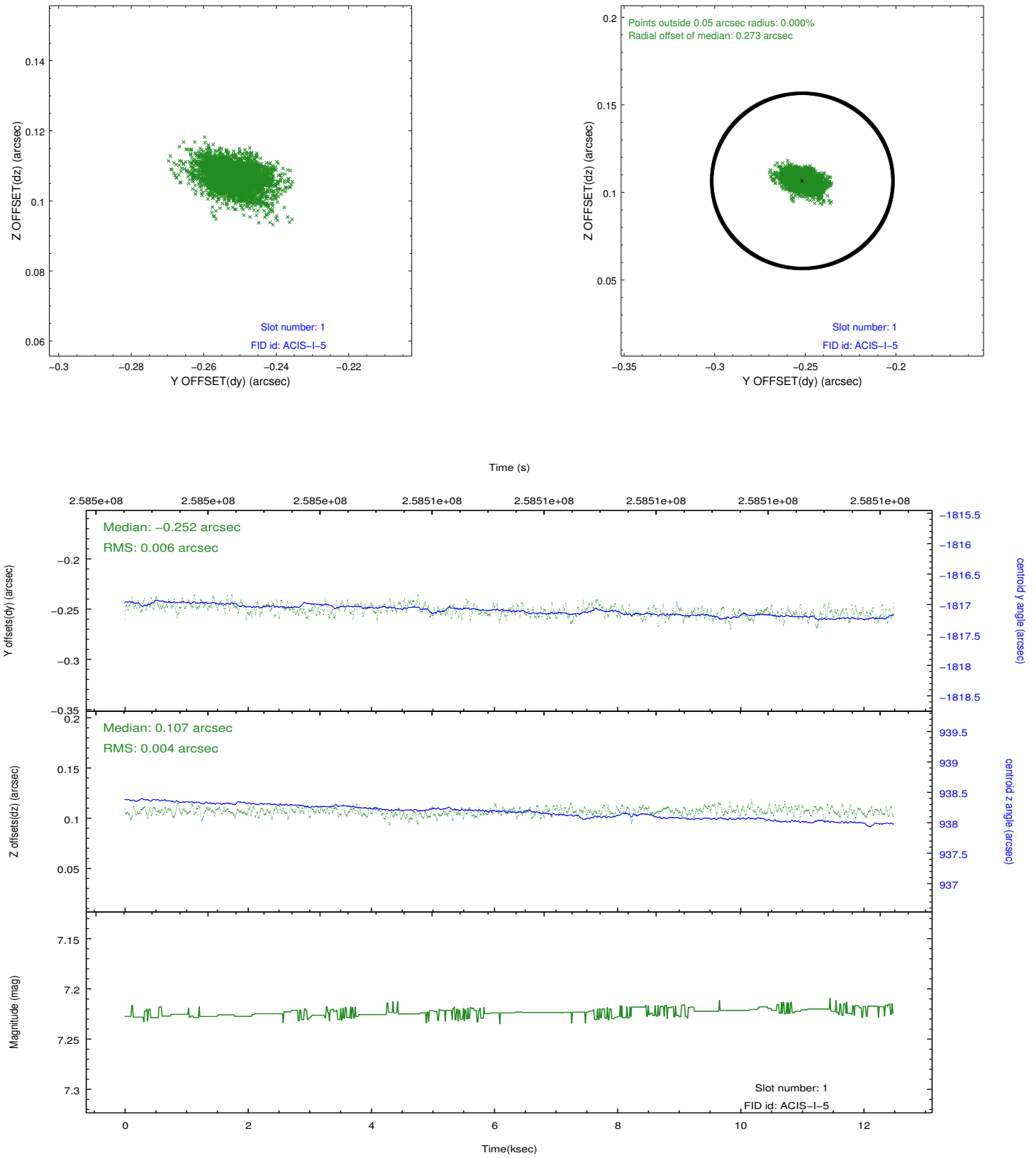


## 2.5 FID Slots

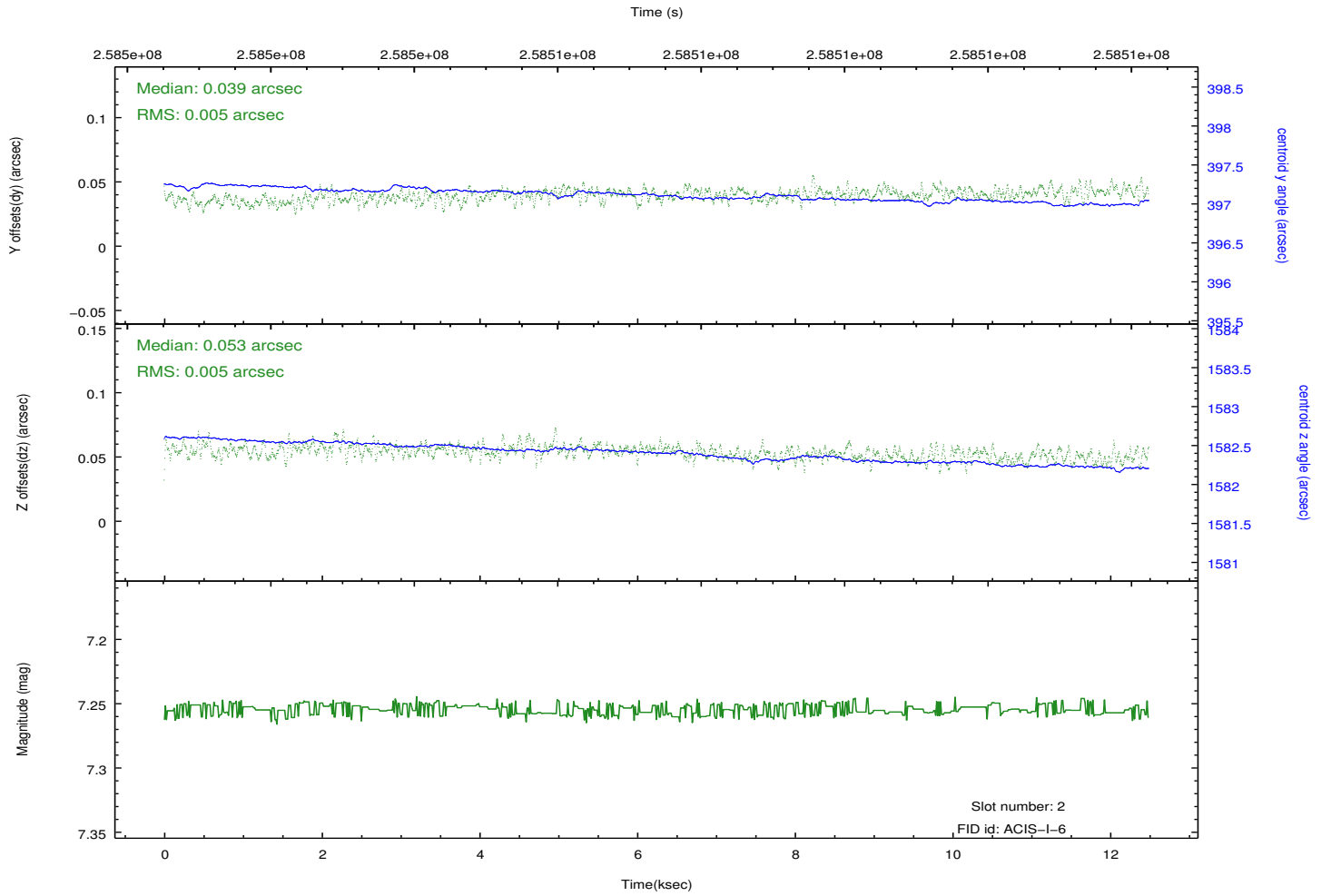
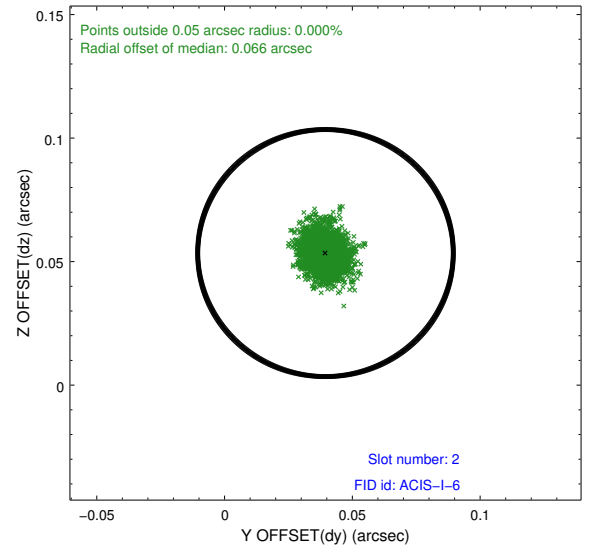
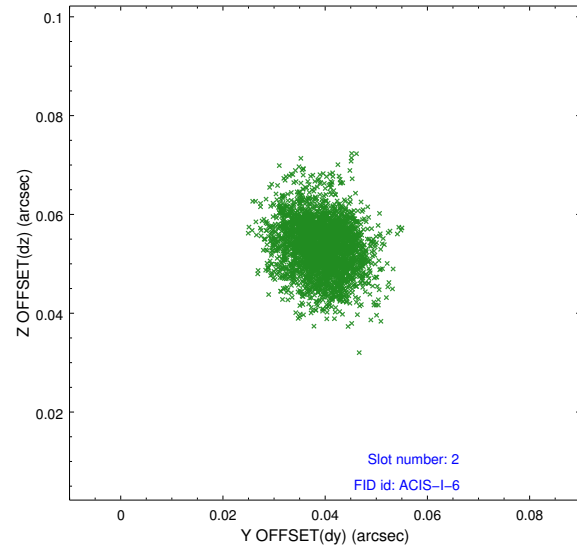
### 2.5.1 Slot 0



## 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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.4774179

### A.2 Comments

Joint Proposal: XMM