

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2119 - L2 Version 4  
Chandra X-Ray Center

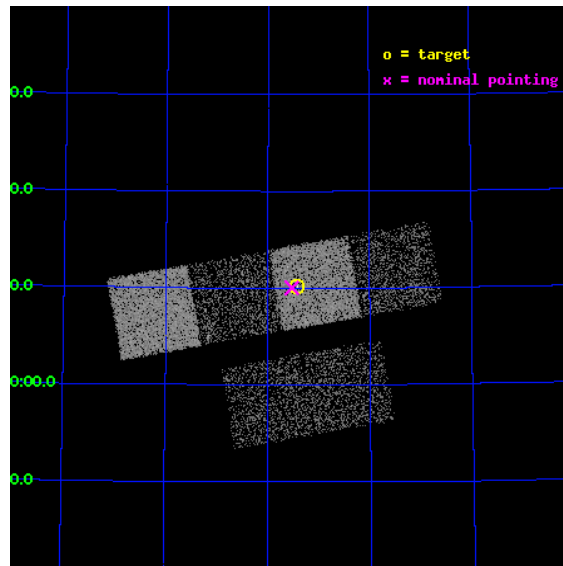
L2 Processing Date : Sep 24 2012

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# 1 Front

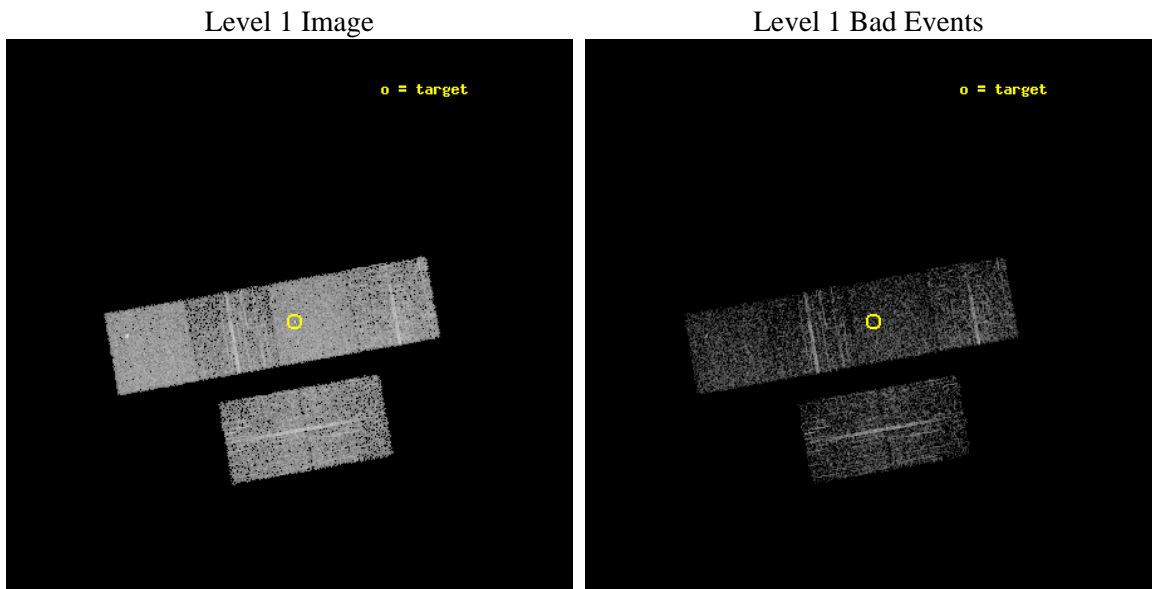
seq_num	700309	Sequence number
obs_id	2119	Observation id
title	UNDERSTANDING THE NATURE OF ROSAT BFS	Proposal title
observer	DR. ILARIA CAGNONI	Principal investigator
object	1WGA_J1233.3+6910	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.35625	Observer's specified target RA [deg]
dec_targ	69.170722	Observer's specified target Dec [deg]
ra_nom	188.38183036155	Nominal RA [deg]
dec_nom	69.167309650314	Nominal Dec [deg]
roll_nom	349.90476448694	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2587.9686473161	Sum of GTIs [s]
livetime	2555.1982300161	Livetime [s]
ontime2	2588.0096873194	Sum of GTIs [s]
ontime3	2587.8455273211	Sum of GTIs [s]
ontime5	2587.9276073128	Sum of GTIs [s]
ontime6	2587.8865673244	Sum of GTIs [s]
ontime7	2587.9686473161	Sum of GTIs [s]
ontime8	2587.8044873178	Sum of GTIs [s]
l2events	25931	Number of level 2 events



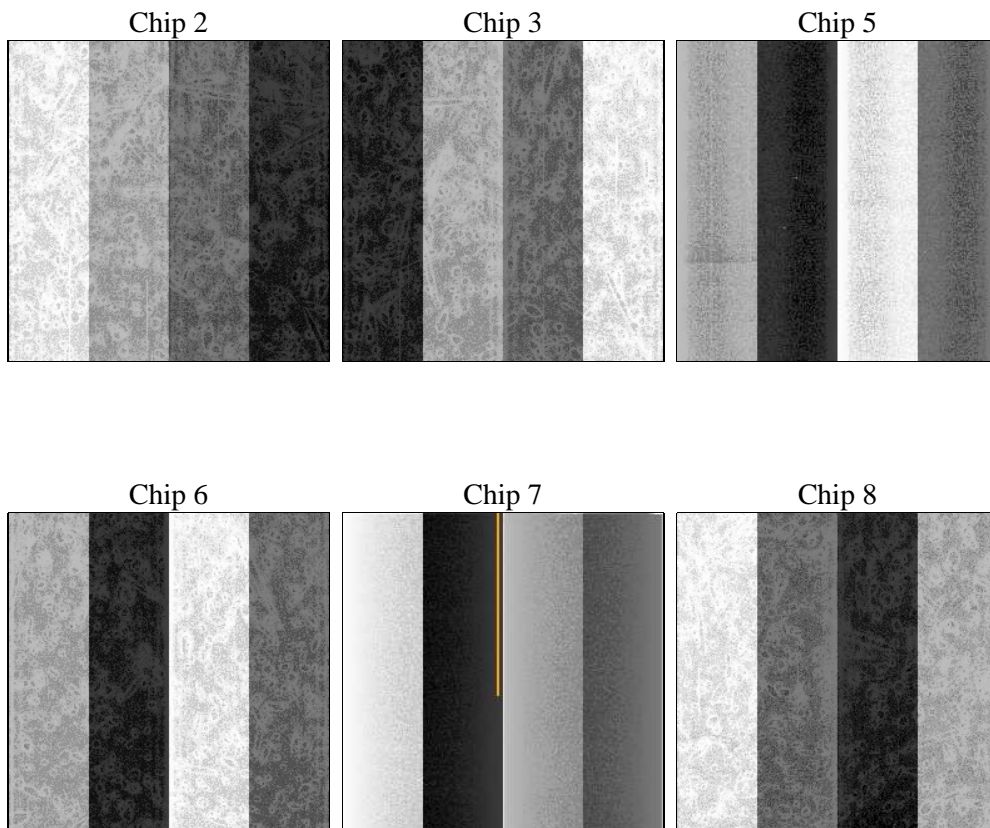
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2850.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2587.9686473161	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime2	2588.0096873194	Sum of GTIs [s]
date	2012-09-24T10:24:49	Date and time of file creation	ontime3	2587.8455273211	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2587.9276073128	Sum of GTIs [s]
			ontime6	2587.8865673244	Sum of GTIs [s]
			ontime7	2587.9686473161	Sum of GTIs [s]
			ontime8	2587.8044873178	Sum of GTIs [s]
			l1events	117779	Number of level 1 events

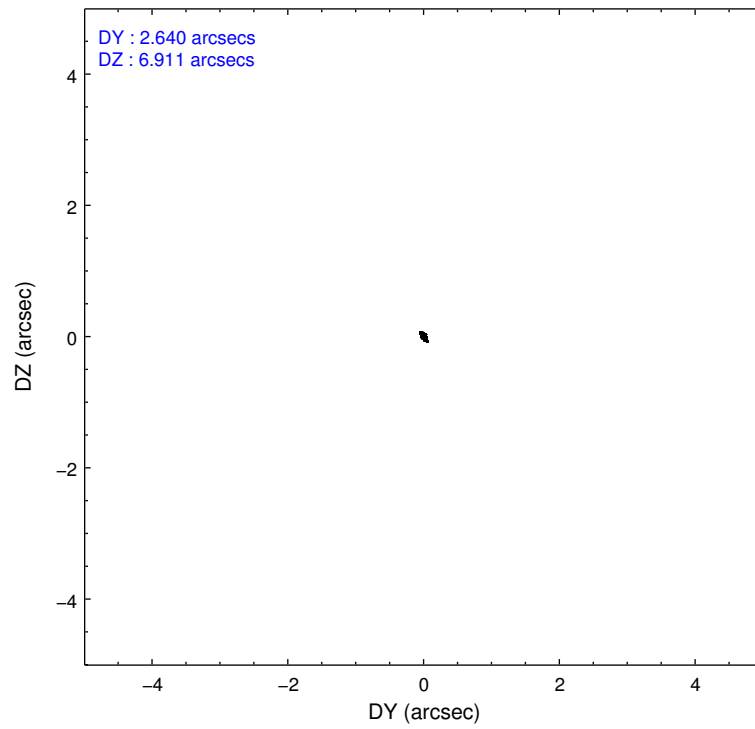
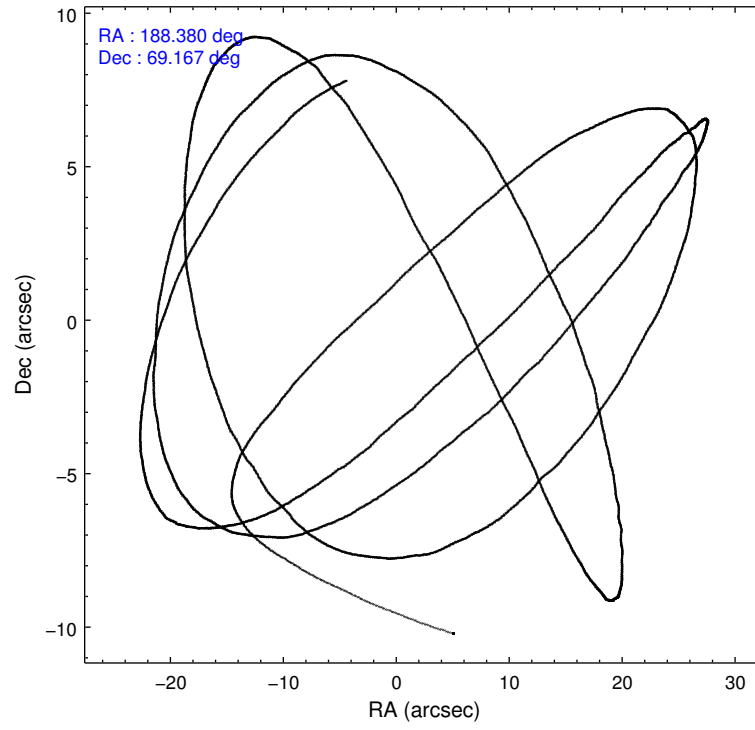
### 2.1.4 Events

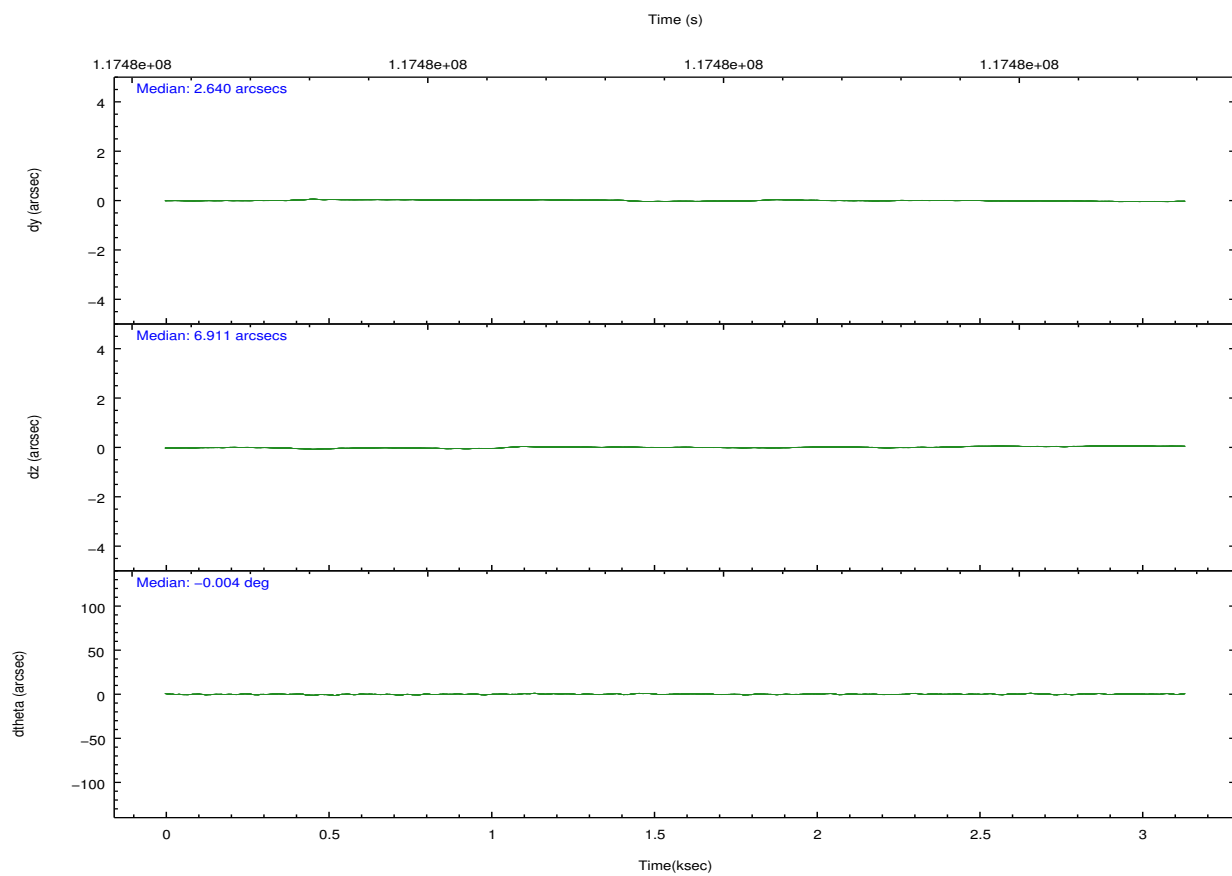
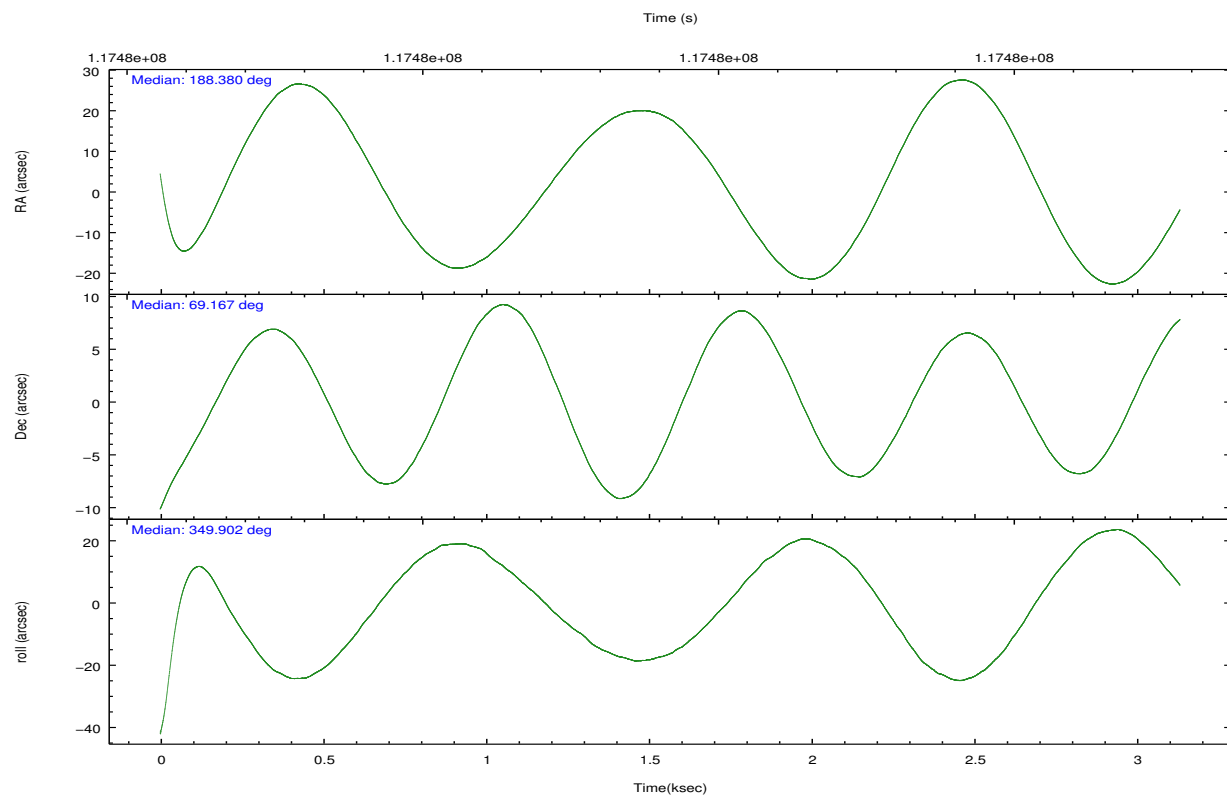
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17225	15999	23733	17177	22336	21309	grade 0 events	808	708	827	833	963	1314
rejected events	15313	14257	13245	15151	12941	17025		4%	4%	3%	4%	4%	6%
rejected %	88%	89%	55%	88%	57%	79%	grade 1 events	7	8	26	5	21	12
								0%	0%	0%	0%	0%	0%
							grade 2 events	434	350	3175	400	1877	1005
								2%	2%	13%	2%	8%	4%
							grade 3 events	145	195	419	194	920	397
								0%	1%	1%	1%	4%	1%
							grade 4 events	196	161	411	182	864	392
								1%	1%	1%	1%	3%	1%
							grade 5 events	597	586	1833	719	2177	911
								3%	3%	7%	4%	9%	4%
							grade 6 events	333	331	5676	423	4780	1195
								1%	2%	23%	2%	21%	5%
							grade 7 events	14705	13660	11366	14421	10734	16083
								85%	85%	47%	83%	48%	75%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	188.310182	188.3818303615471	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.157755	69.16730965031418	Alternating exposures requested	N	N
[deg] Pointing Roll	349.815271	349.9047644869415	[s] Primary exposure time	0.000000	3.2
[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)	117476551.184000	117475516.05025			
Observation start date	2001-09-21T16:21:27	2001-09-21T16:05:16			
[s] Observation end time (MET)	117479401.184000	117480370.96294			
Observation end date	2001-09-21T17:08:57	2001-09-21T17:26:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





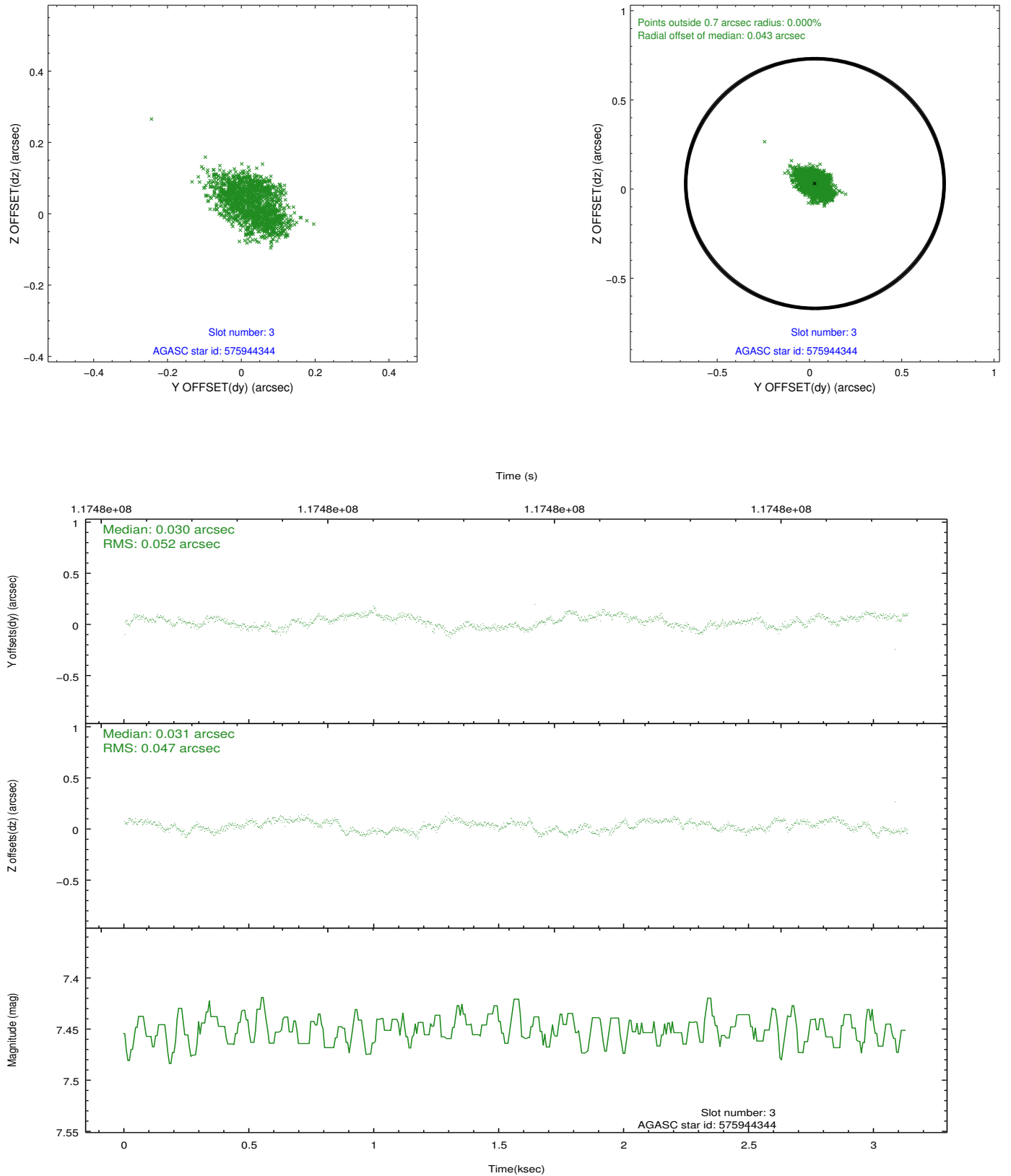
### Slot Statistics

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	765	-0.016	0.000	0.007	0.011	0.000000	0.000000	-755.28	-1728.08
1	FID	ACIS-S-4	7.19	765	-0.042	0.008	0.005	0.009	0.000000	0.000000	2157.04	178.33
2	FID	ACIS-S-5	7.23	765	0.027	0.000	0.006	0.010	0.000000	0.000000	-1805.47	174.28
3	GUIDE	575944344	7.45	1529	0.030	0.031	0.075	0.115	188.965653	69.013699	924.64	-355.78
4	GUIDE	575937752	8.00	1530	-0.098	0.079	0.069	0.115	190.014422	68.802445	2405.68	-835.81
5	GUIDE	575937904	8.54	1530	0.218	-0.127	0.074	0.119	186.724054	69.729500	-2312.00	1700.90
6	GUIDE	575941080	7.69	1529	-0.045	0.127	0.046	0.073	187.405696	68.635467	-836.09	-2049.88
7	GUIDE	575944000	8.88	1529	-0.096	-0.107	0.073	0.111	188.634477	69.574318	136.81	1548.38

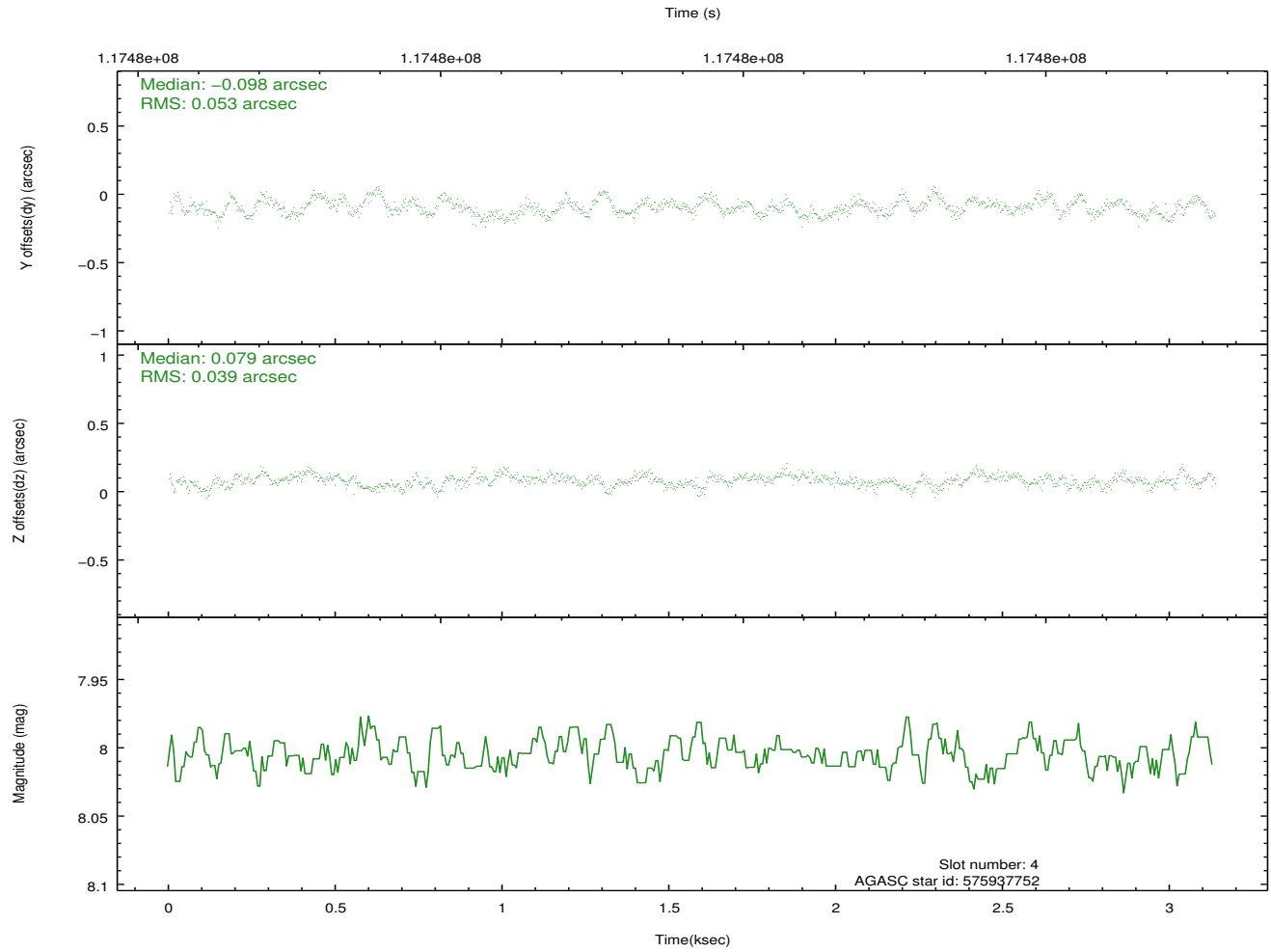
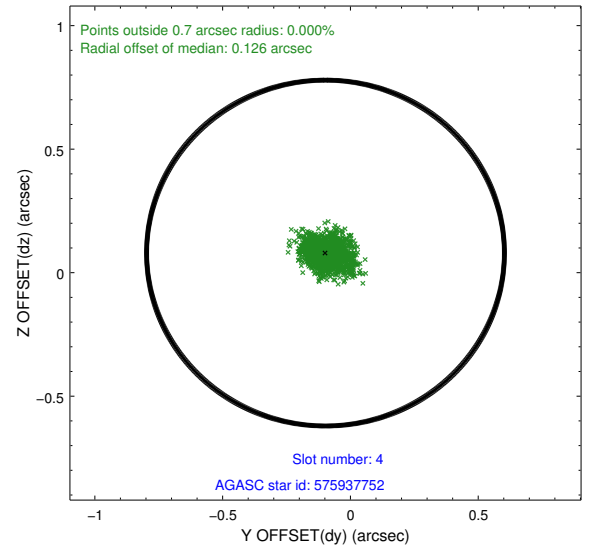
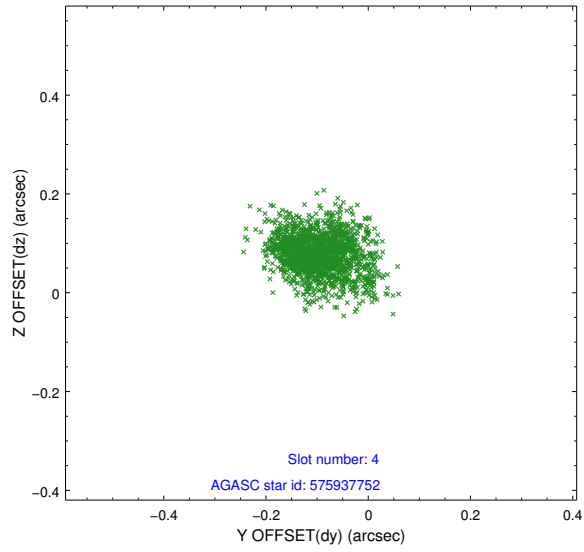


## 2.4 Star Slots

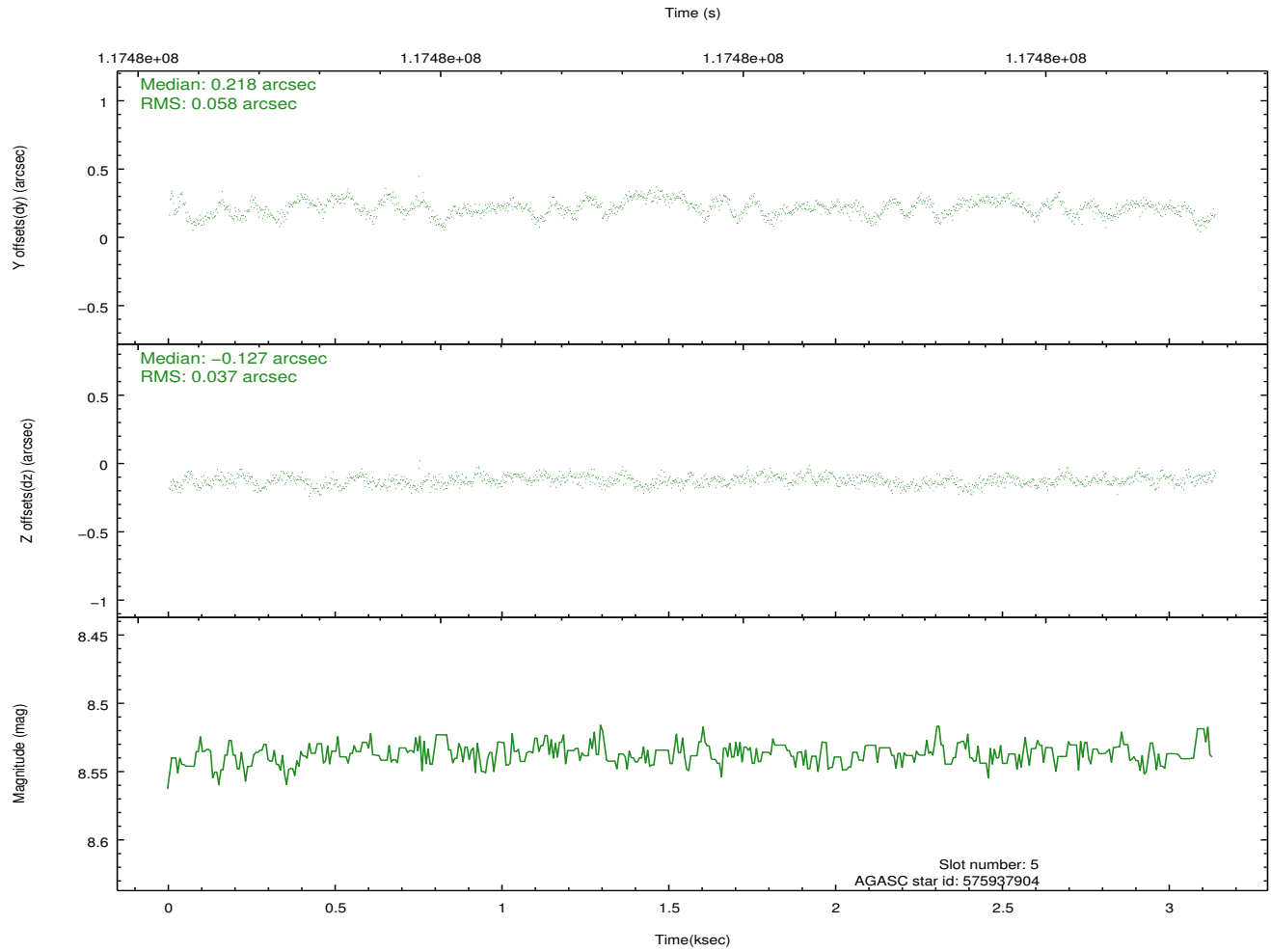
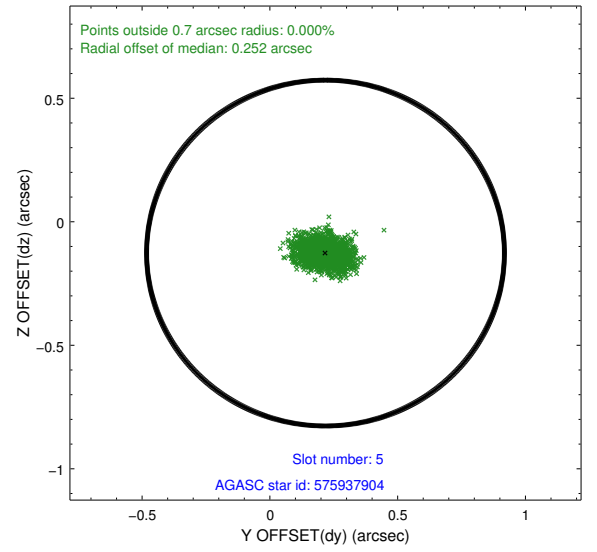
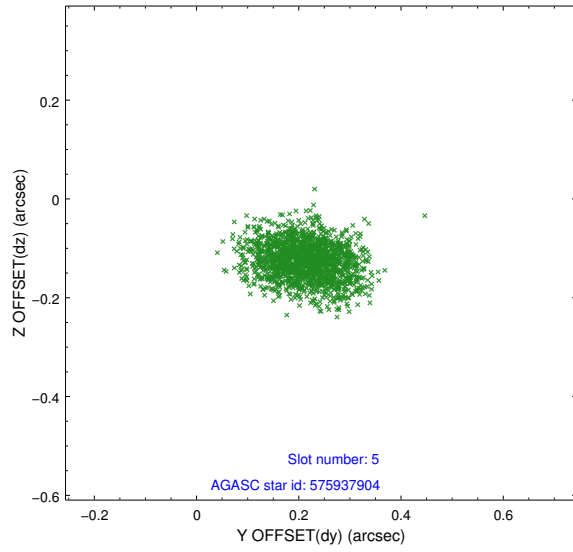
### 2.4.1 Slot 3



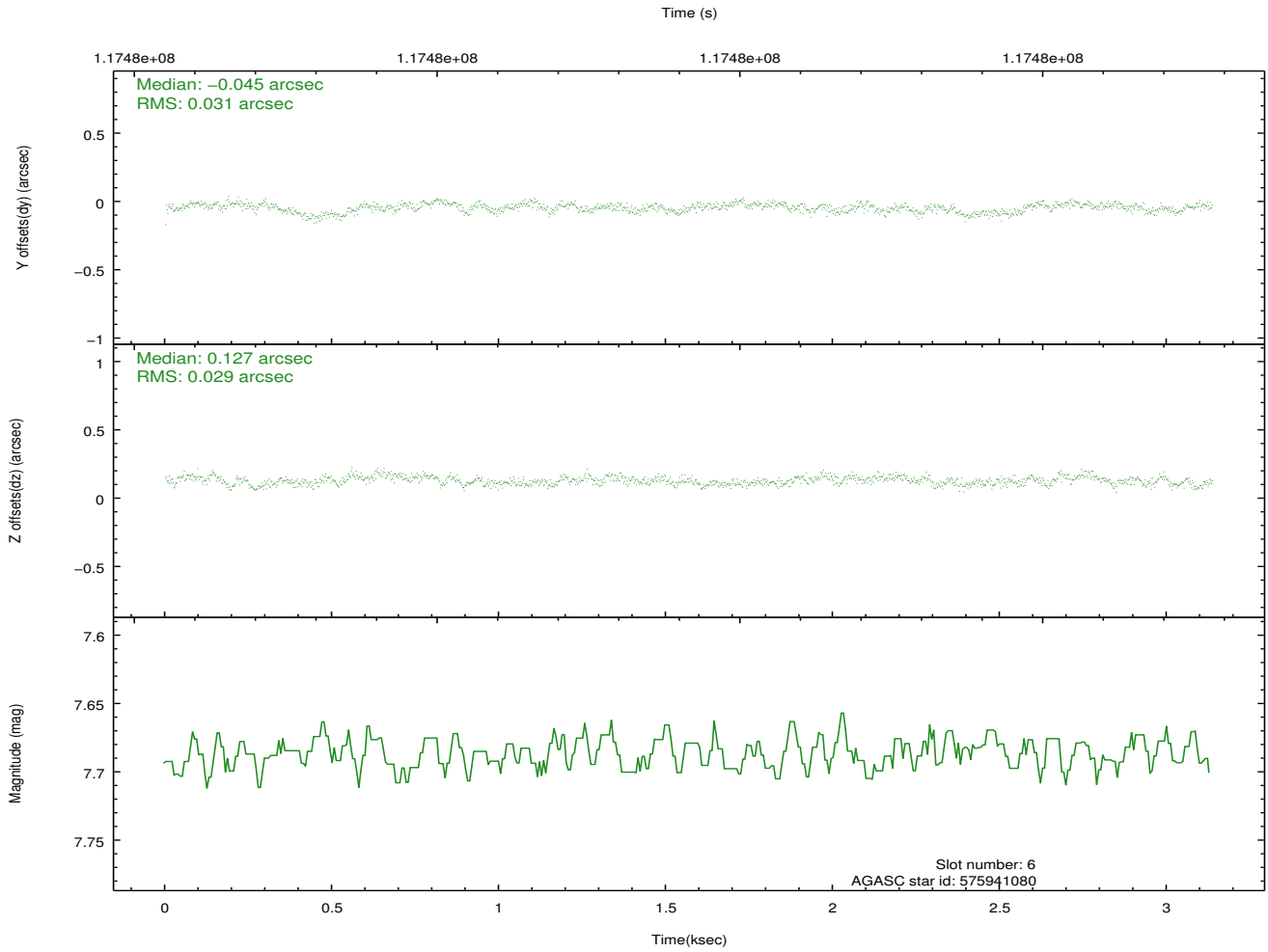
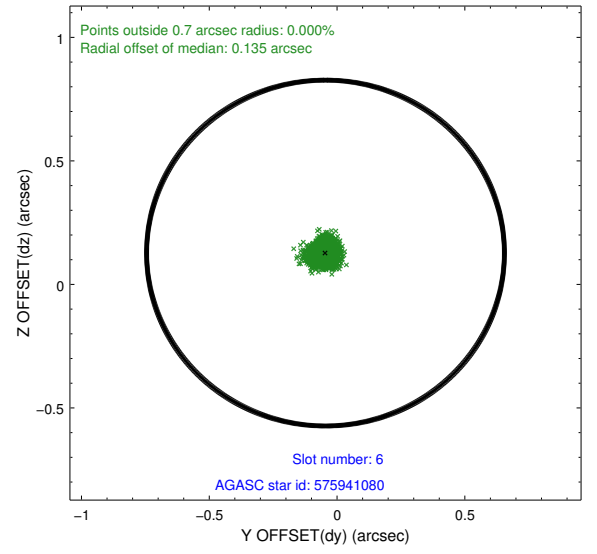
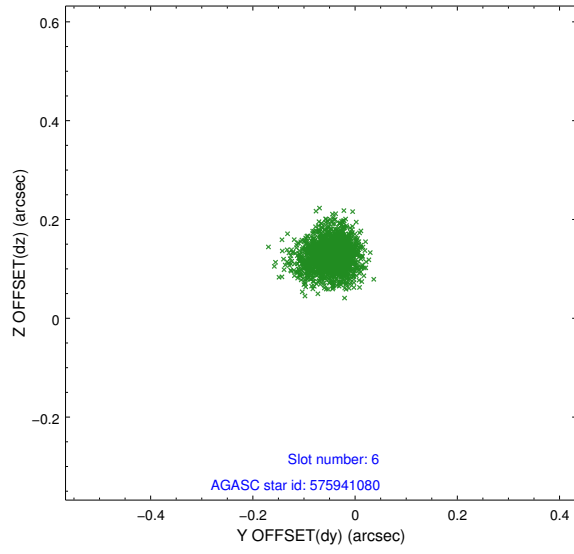
## 2.4.2 Slot 4



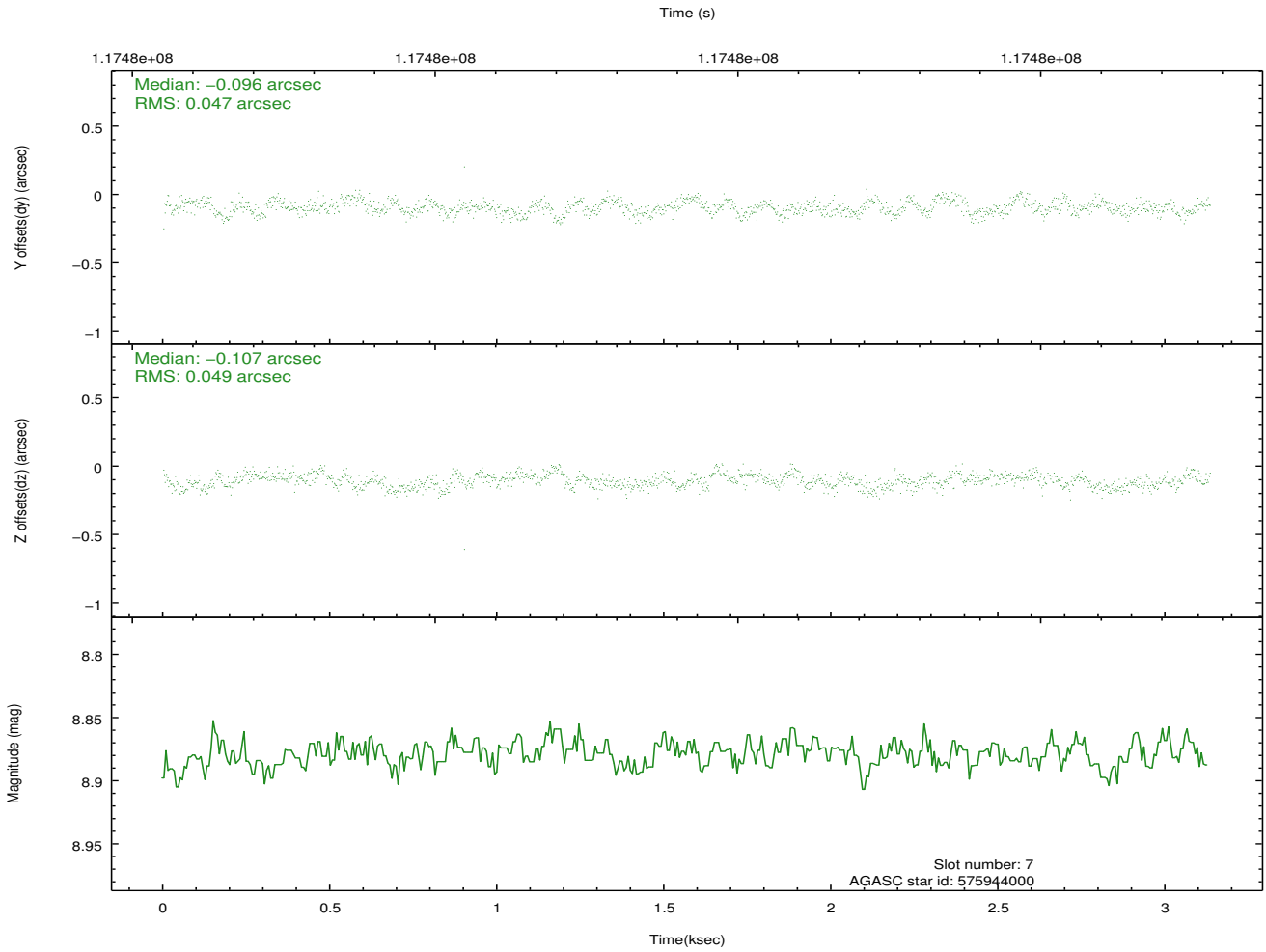
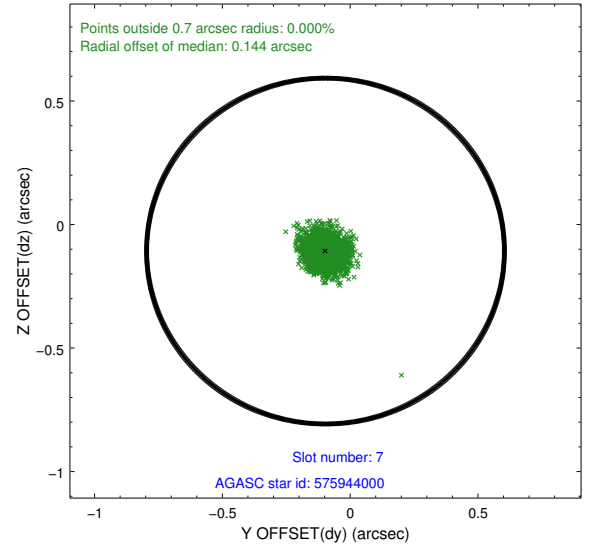
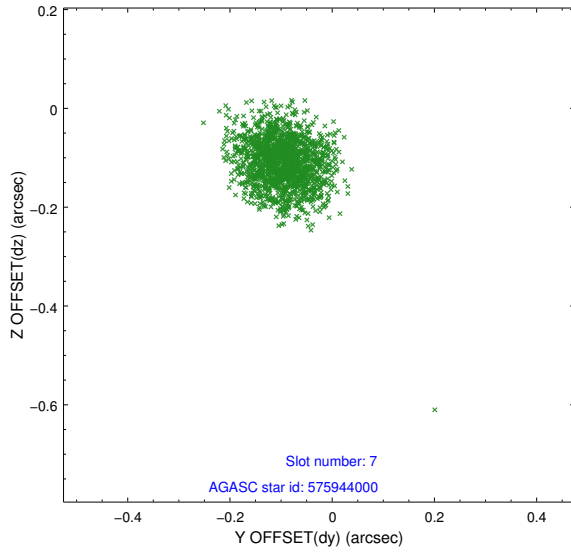
### 2.4.3 Slot 5



## 2.4.4 Slot 6

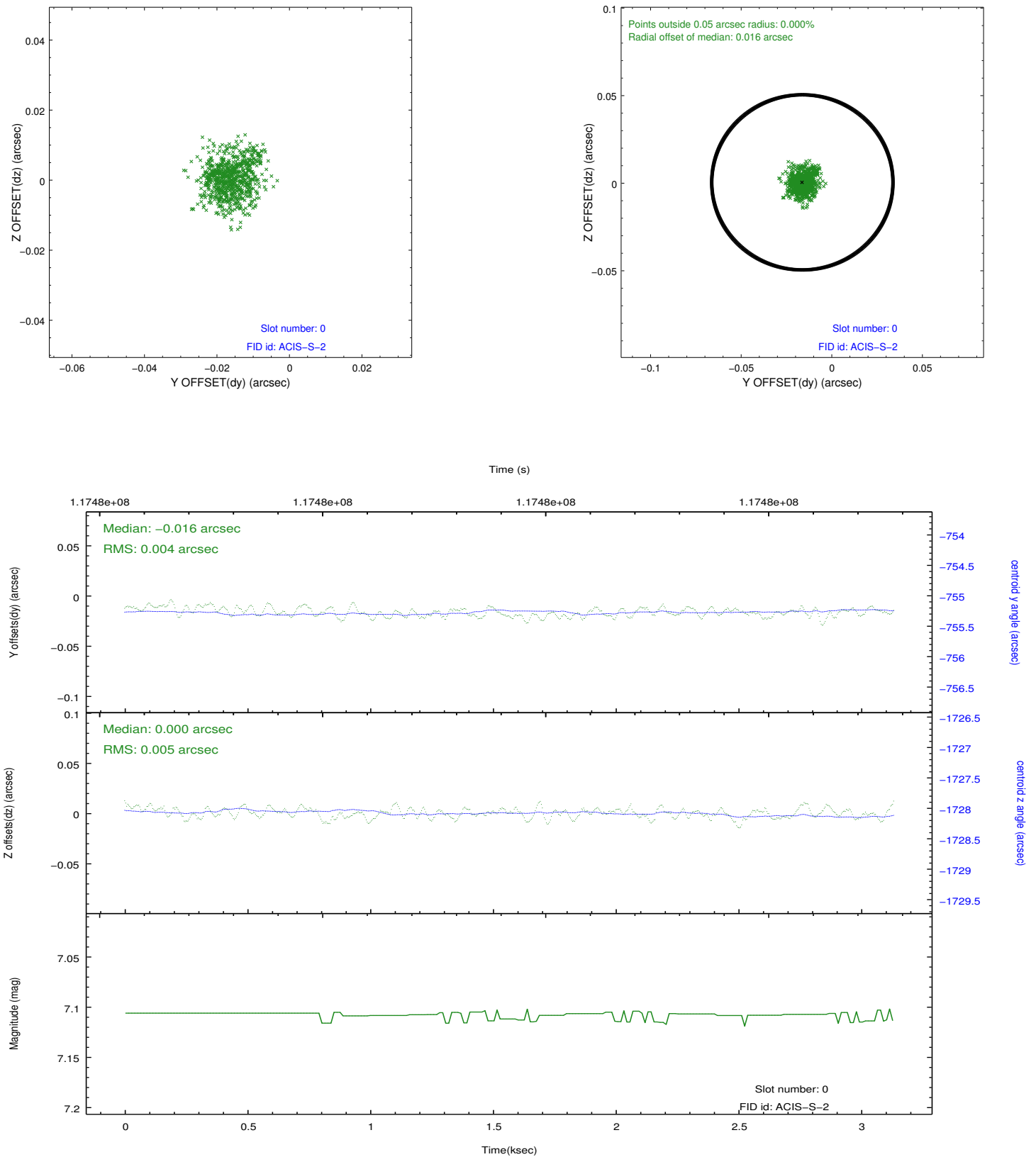


## 2.4.5 Slot 7

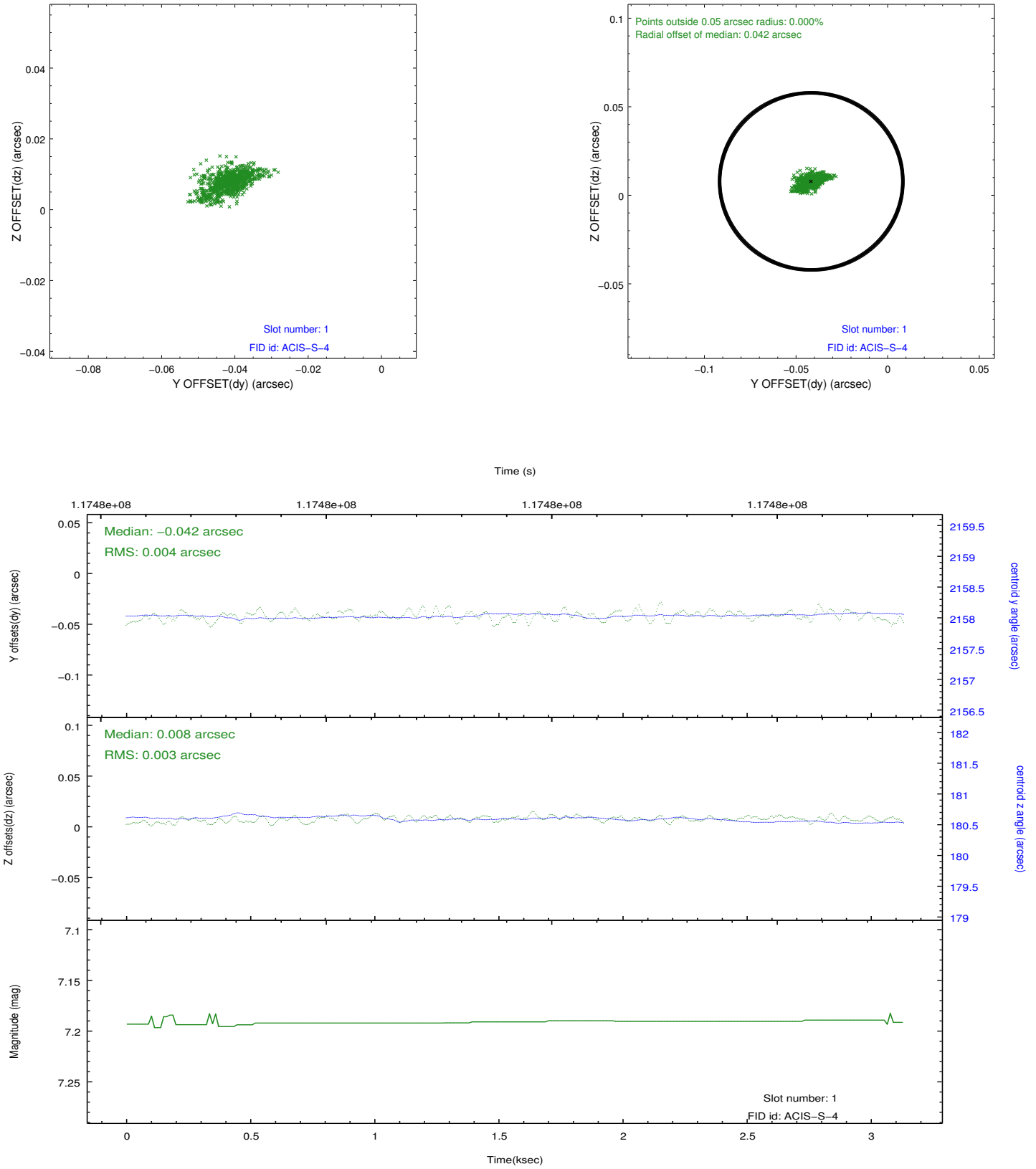


## 2.5 FID Slots

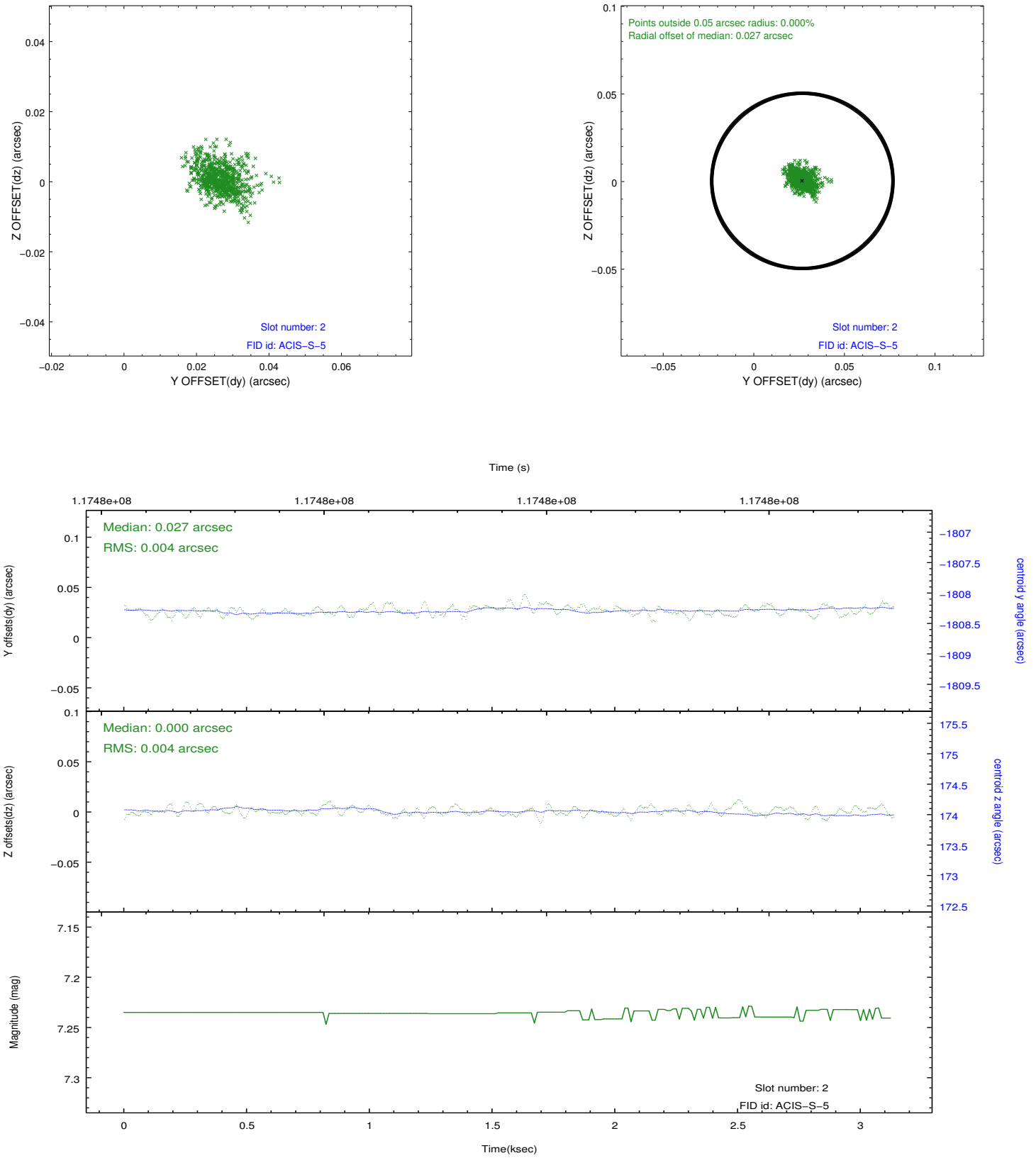
### 2.5.1 Slot 0



## 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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.589

### A.2 Comments