

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7524 - L2 Version 3  
Chandra X-Ray Center

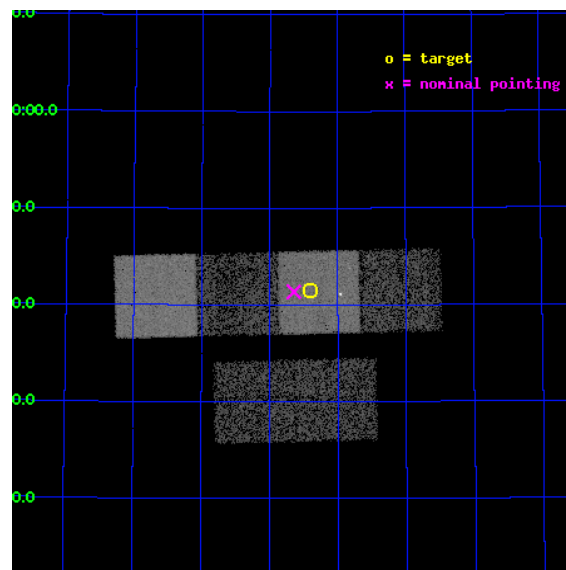
L2 Processing Date : Apr 22 2012

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# 1 Front

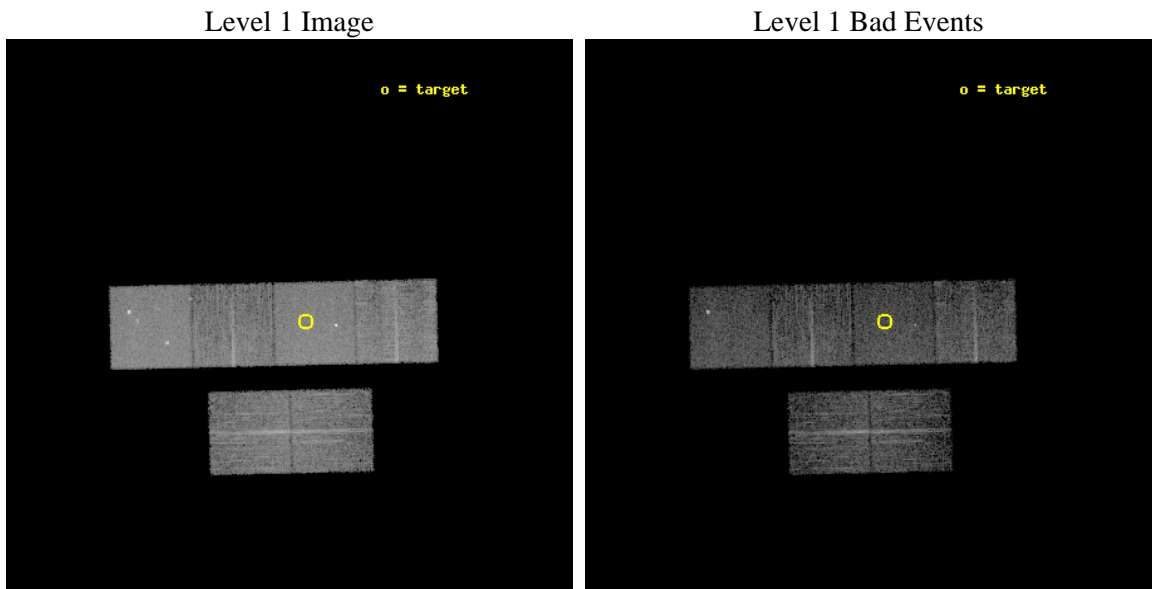
seq_num	400634	Sequence number
obs_id	7524	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J00234+6141	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.85	Observer's specified target RA [deg]
dec_targ	61.692	Observer's specified target Dec [deg]
ra_nom	5.9113558948408	Nominal RA [deg]
dec_nom	61.689556231472	Nominal Dec [deg]
roll_nom	358.65684163123	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4953.599981606	Sum of GTIs [s]
livetime	4890.8745159391	Livetime [s]
ontime2	4953.599981606	Sum of GTIs [s]
ontime3	4953.599981606	Sum of GTIs [s]
ontime5	4953.599981606	Sum of GTIs [s]
ontime6	4953.599981606	Sum of GTIs [s]
ontime7	4953.599981606	Sum of GTIs [s]
ontime8	4953.599981606	Sum of GTIs [s]
l2events	77326	Number of level 2 events



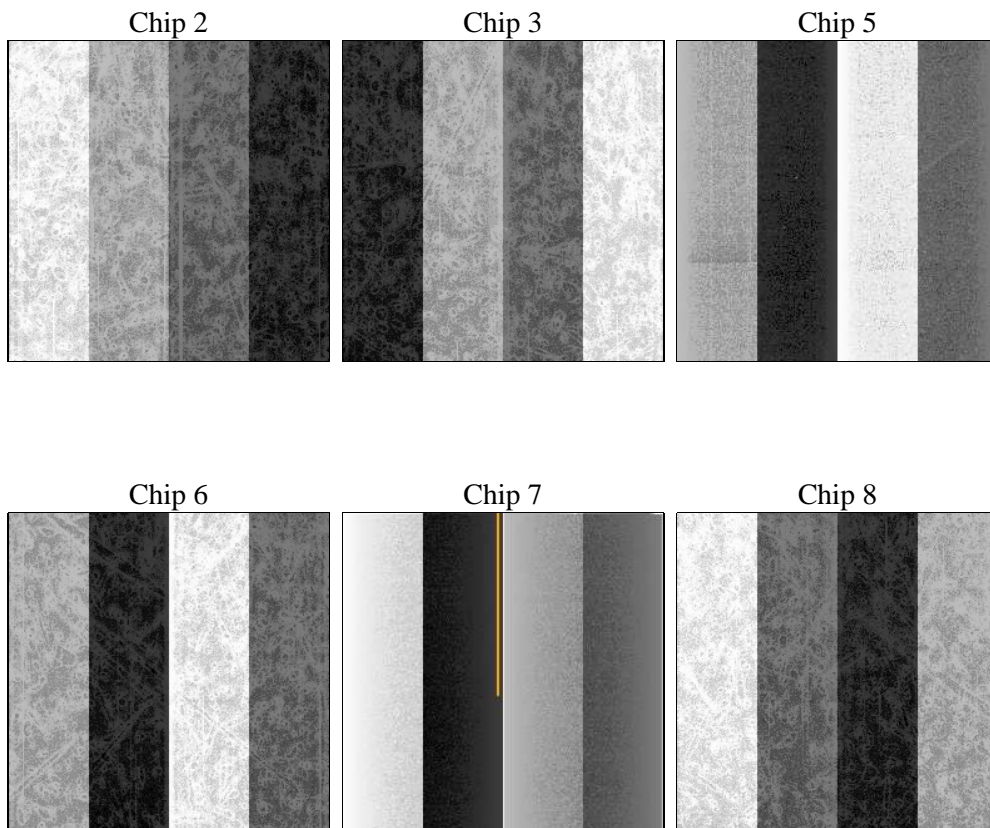
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4953.599981606	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	4953.599981606	Sum of GTIs [s]
date	2012-04-22T04:31:51	Date and time of file creation	ontime3	4953.599981606	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4953.599981606	Sum of GTIs [s]
			ontime6	4953.599981606	Sum of GTIs [s]
			ontime7	4953.599981606	Sum of GTIs [s]
			ontime8	4953.599981606	Sum of GTIs [s]
			l1events	333511	Number of level 1 events

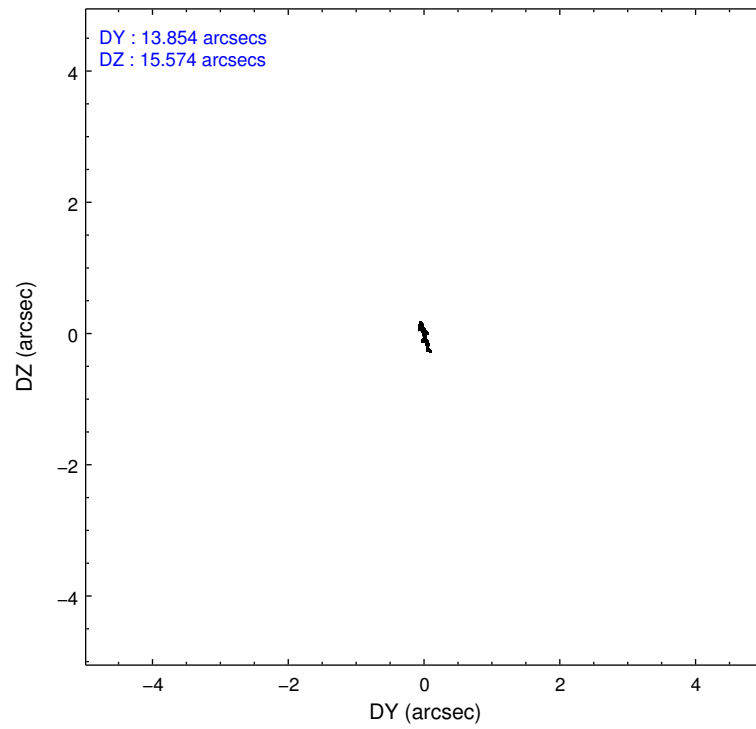
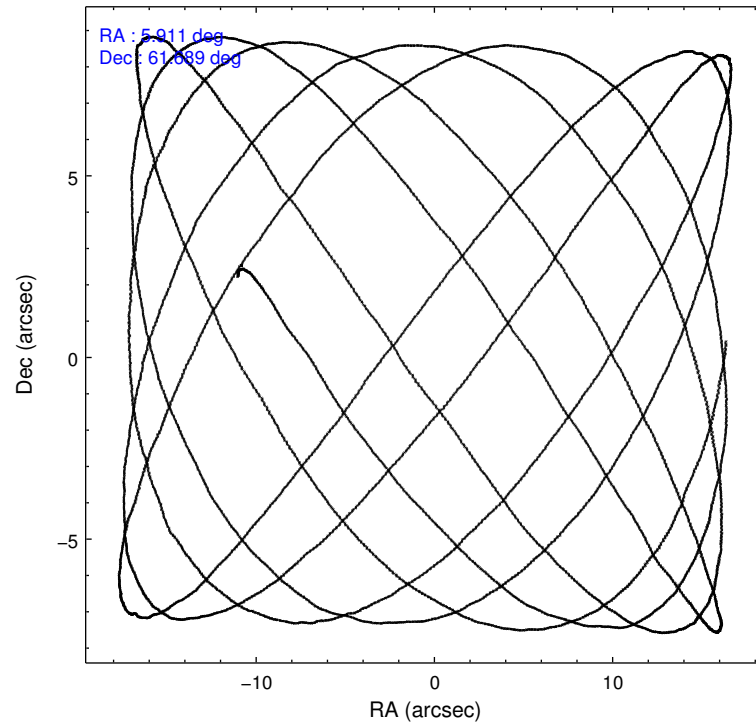
### 2.1.4 Events

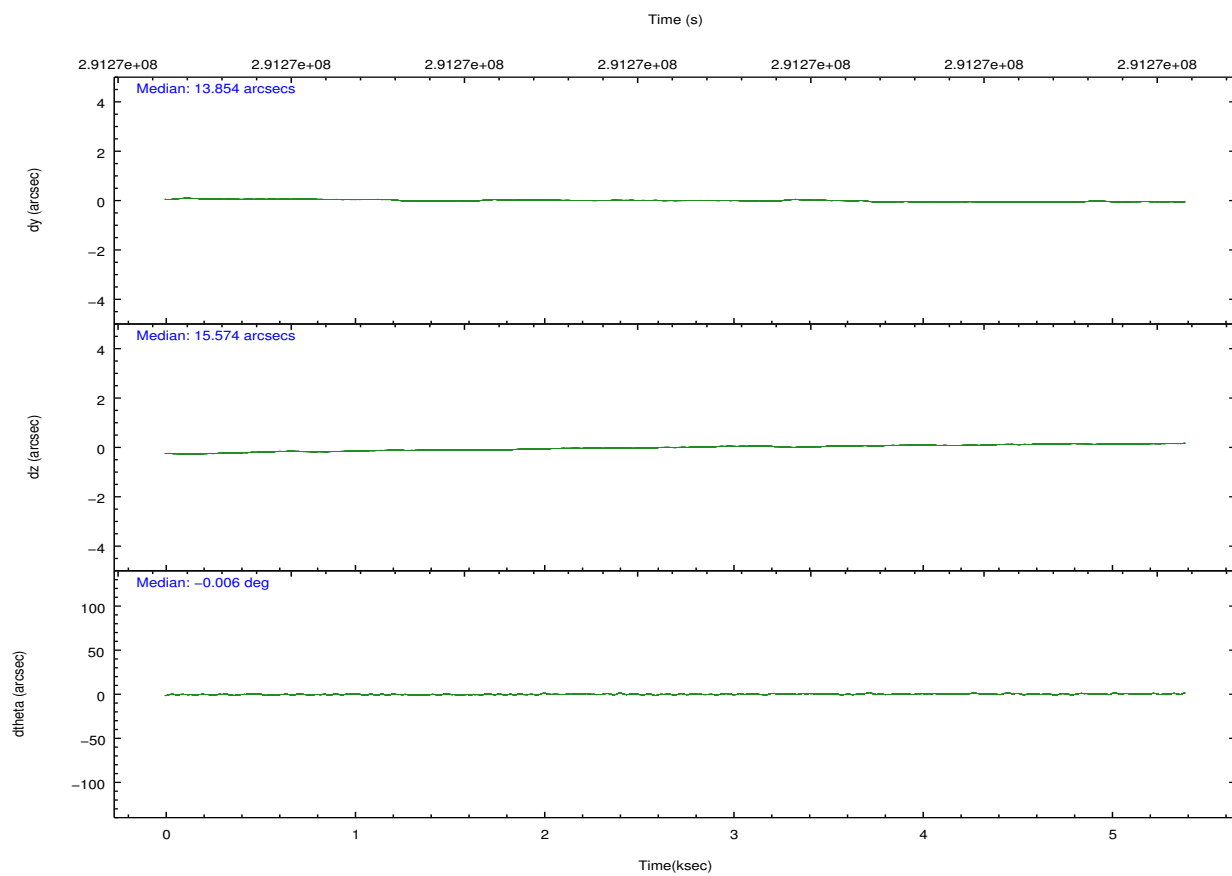
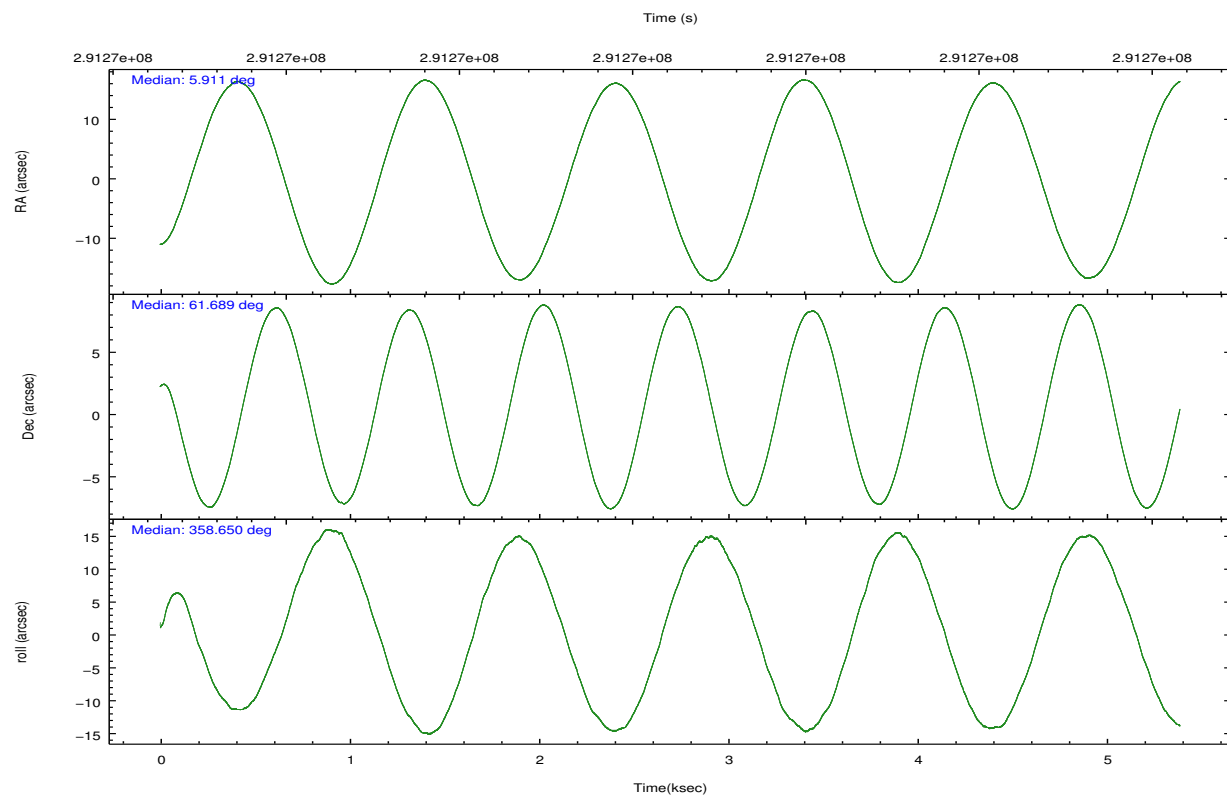
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47058	43166	71454	47682	65456	58695	grade 0 events	2443	2253	3467	2183	2961	4163
rejected events	41610	37911	38529	42183	36918	45239		5%	5%	4%	4%	4%	7%
rejected %	88%	87%	53%	88%	56%	77%	grade 1 events	28	28	95	21	102	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	1086	1027	10051	1185	5868	3102
								2%	2%	14%	2%	8%	5%
							grade 3 events	494	517	1225	533	2555	1377
								1%	1%	1%	1%	3%	2%
							grade 4 events	468	512	1096	498	2518	1257
								0%	1%	1%	1%	3%	2%
							grade 5 events	1915	2010	4883	2219	6128	2839
								4%	4%	6%	4%	9%	4%
							grade 6 events	959	950	17106	1103	14662	3582
								2%	2%	23%	2%	22%	6%
							grade 7 events	39665	35869	33531	39940	30662	42326
								84%	83%	46%	83%	46%	72%

## 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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	5.861101	5.911355894840824	CCD I2 on	O2	Y
[deg] Pointing Dec	61.676202	61.68955623147225	CCD I3 on	Y	Y
[deg] Pointing Roll	358.544474	358.6568416312325	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	291266912.184000	291265848.10023	CCD S5 on	N	N
Observation start date	2007-03-26T03:27:27	2007-03-26T03:10:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	291271912.184000	291272743.78806	On-chip summing requested	N	N
Observation end date	2007-03-26T04:50:47	2007-03-26T05:05:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



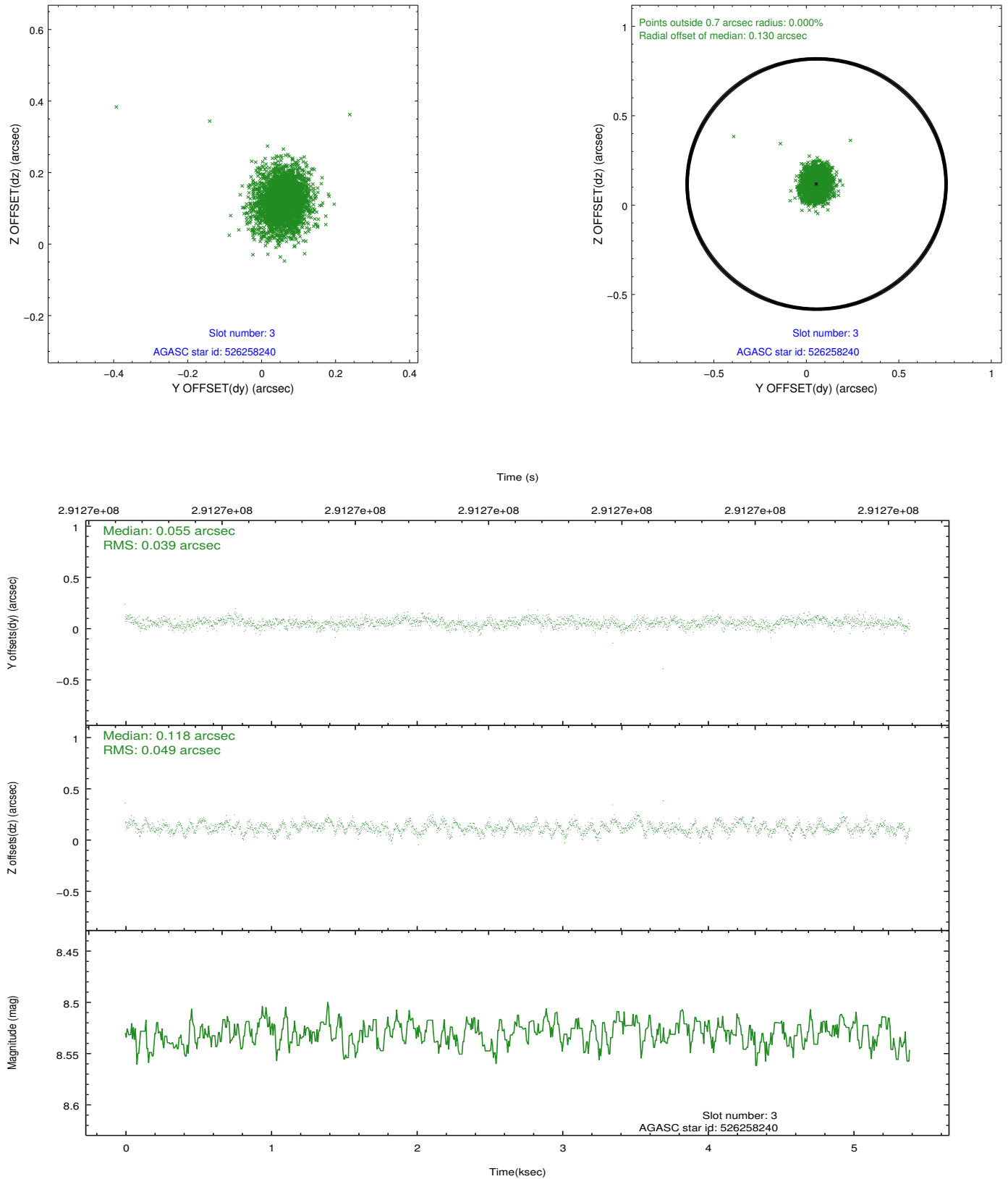


### Slot Statistics

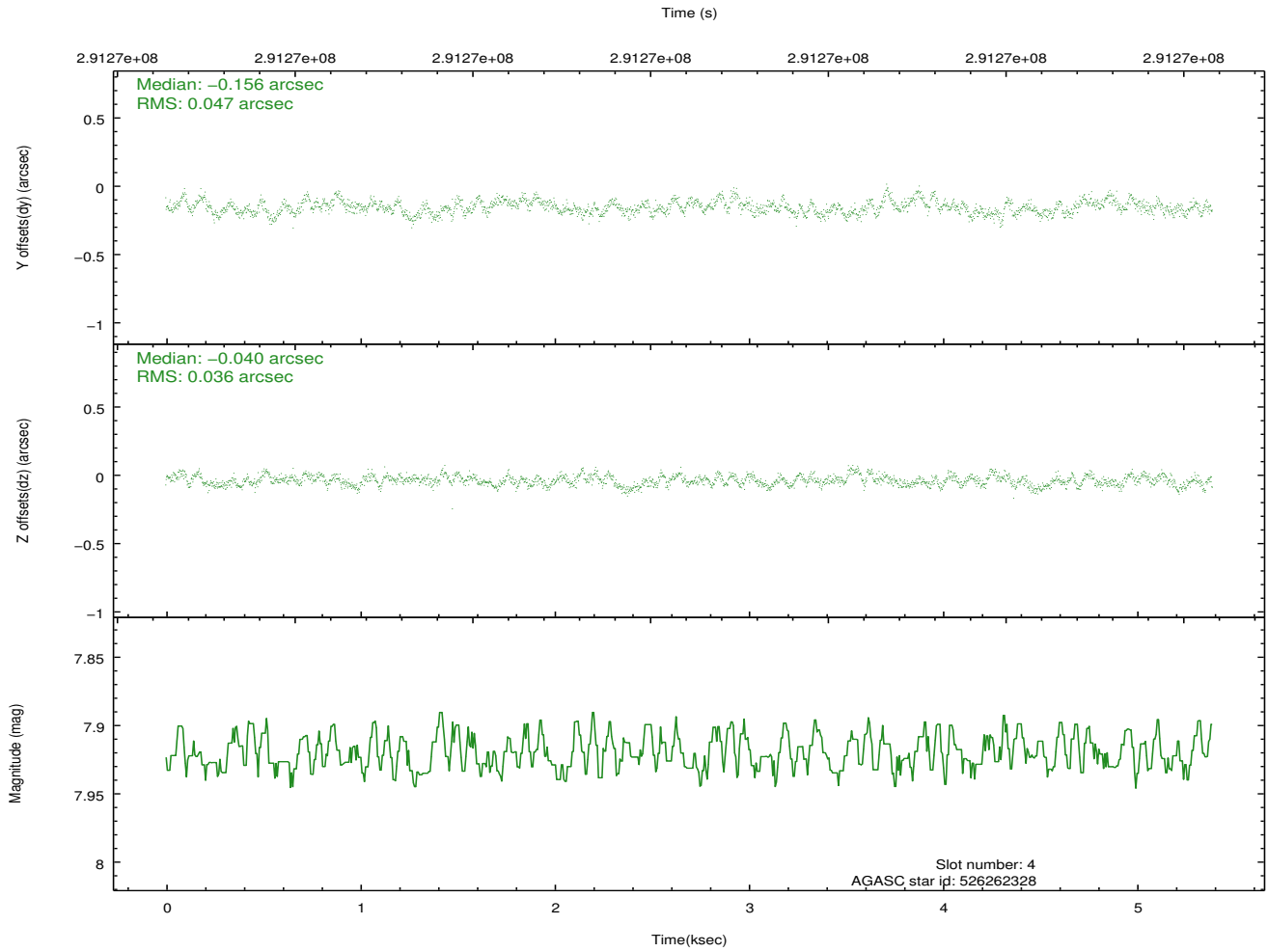
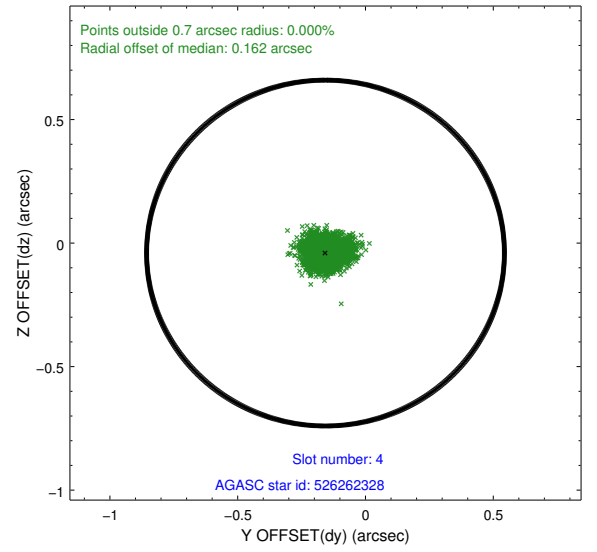
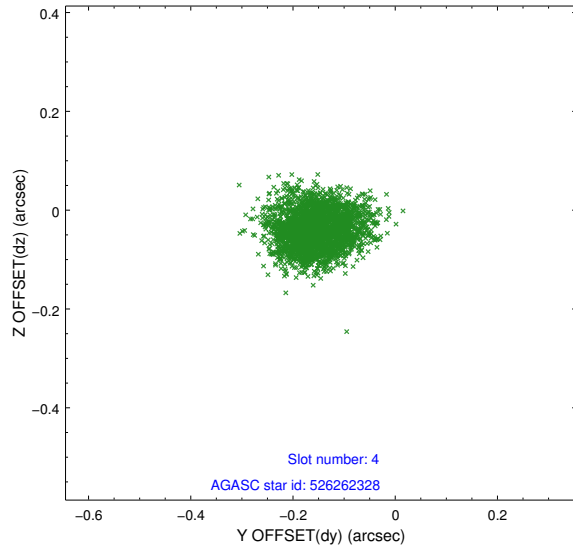
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1315	0.092	-0.100	0.008	0.015	0.000000	0.000000	929.35	-1732.62
1	FID	ACIS-S-5	7.23	1315	-0.176	0.044	0.007	0.011	0.000000	0.000000	-1819.31	163.91
2	FID	ACIS-S-6	7.33	1315	0.062	0.069	0.008	0.013	0.000000	0.000000	393.65	809.17
3	GUIDE	526258240	8.53	2630	0.055	0.118	0.065	0.107	6.018701	61.504075	287.08	-611.08
4	GUIDE	526262328	7.92	2630	-0.156	-0.040	0.063	0.102	4.573936	61.727056	-2199.28	149.00
5	GUIDE	526268736	8.67	2630	-0.078	0.126	0.066	0.105	4.665611	61.427861	-2036.12	-926.66
6	GUIDE	526268768	8.54	2627	0.123	0.019	0.070	0.110	6.751001	61.170946	1589.84	-1768.15
7	GUIDE	526803696	7.07	2629	0.057	-0.225	0.053	0.088	5.831195	62.314058	-107.92	2293.95

## 2.4 Star Slots

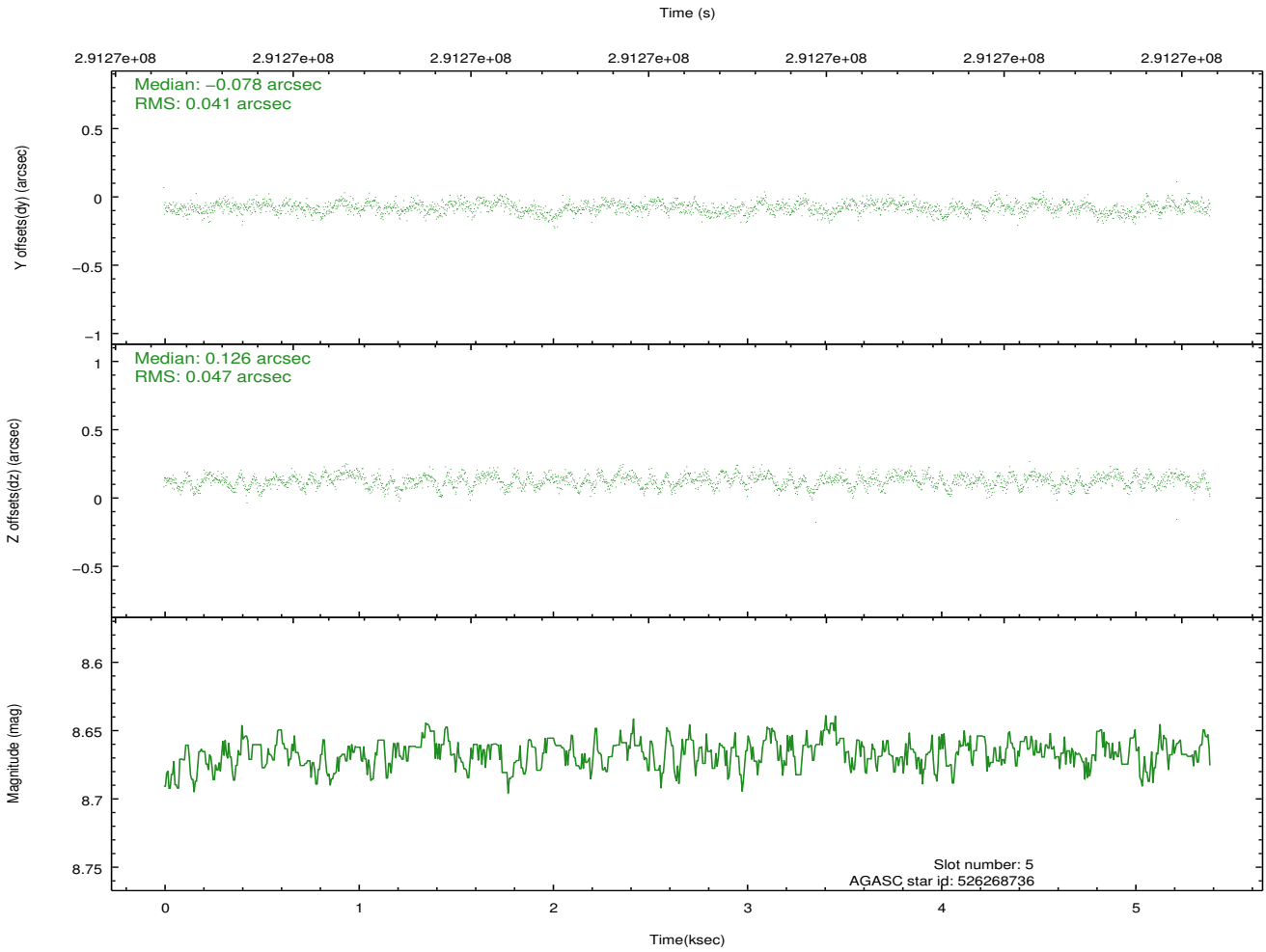
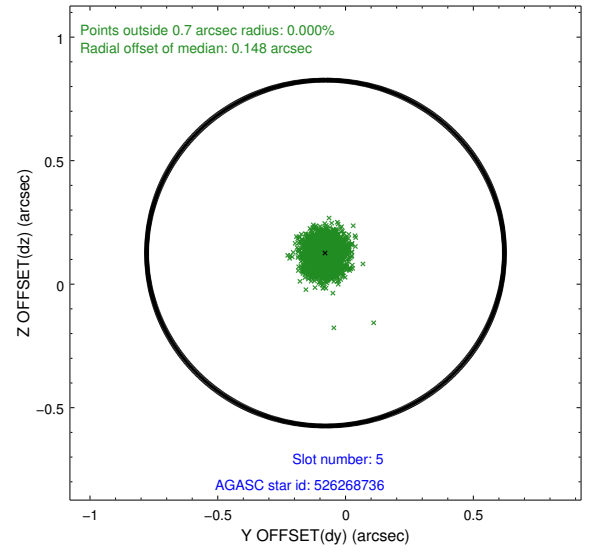
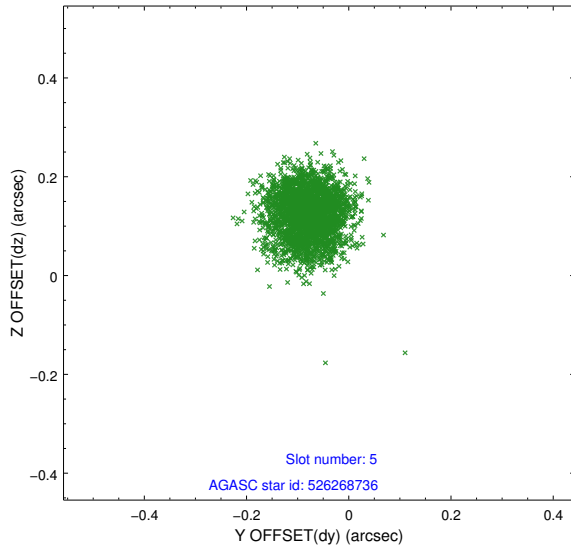
### 2.4.1 Slot 3



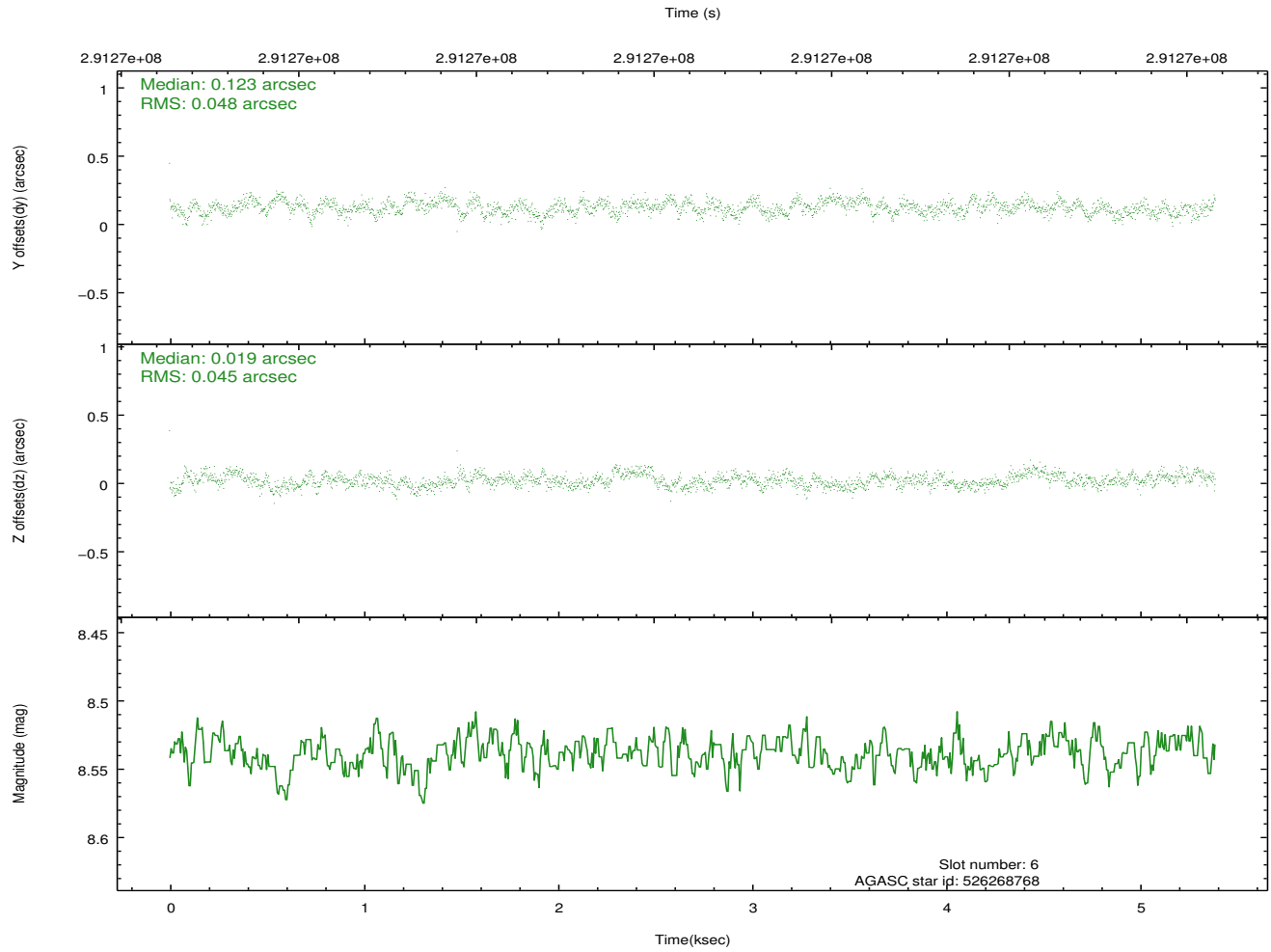
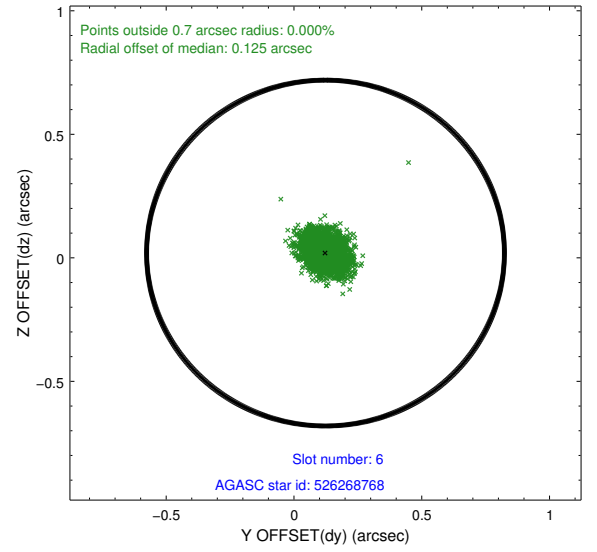
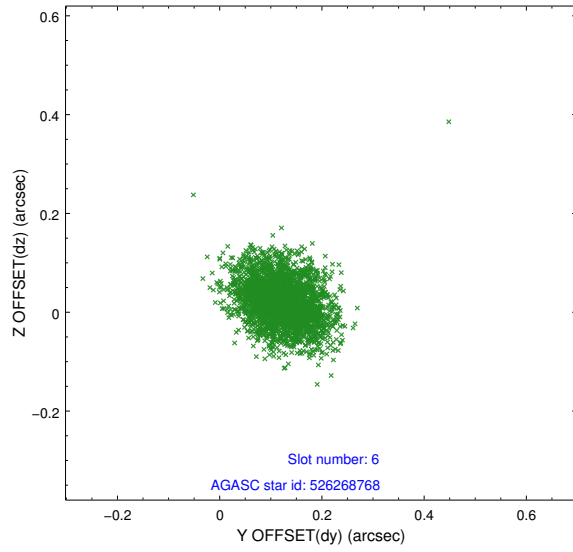
## 2.4.2 Slot 4



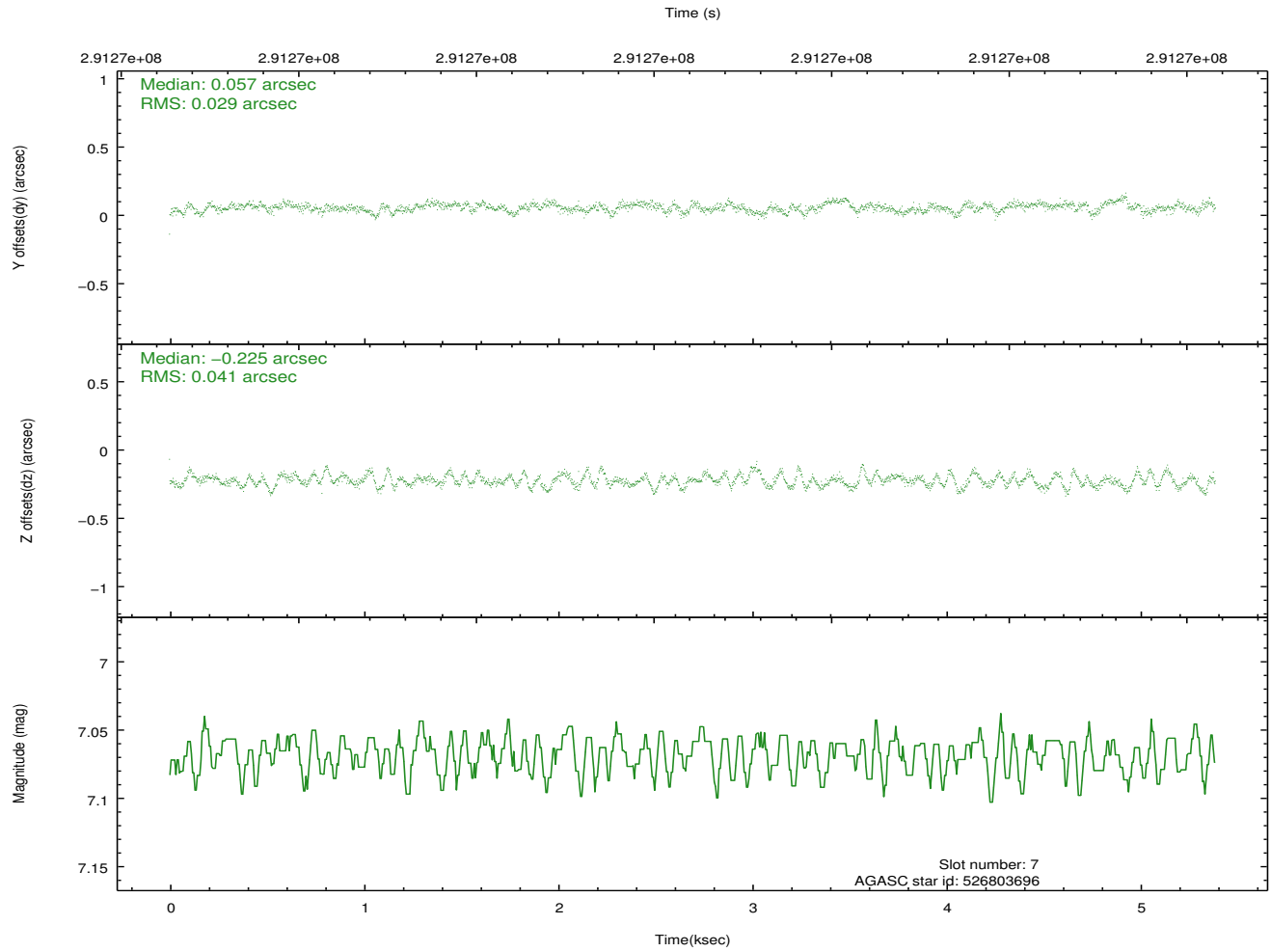
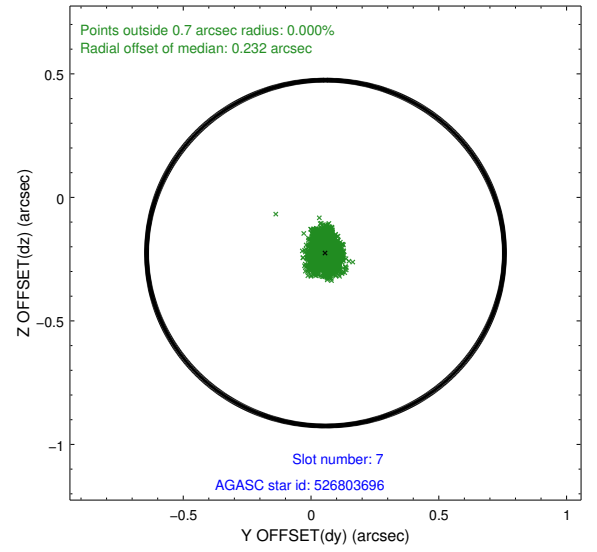
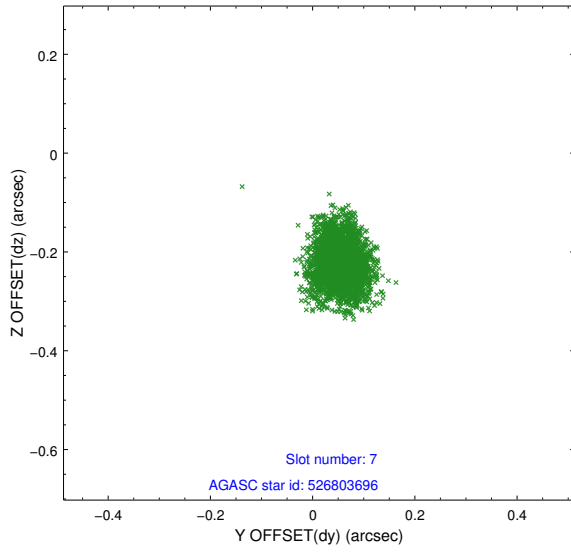
### 2.4.3 Slot 5



## 2.4.4 Slot 6

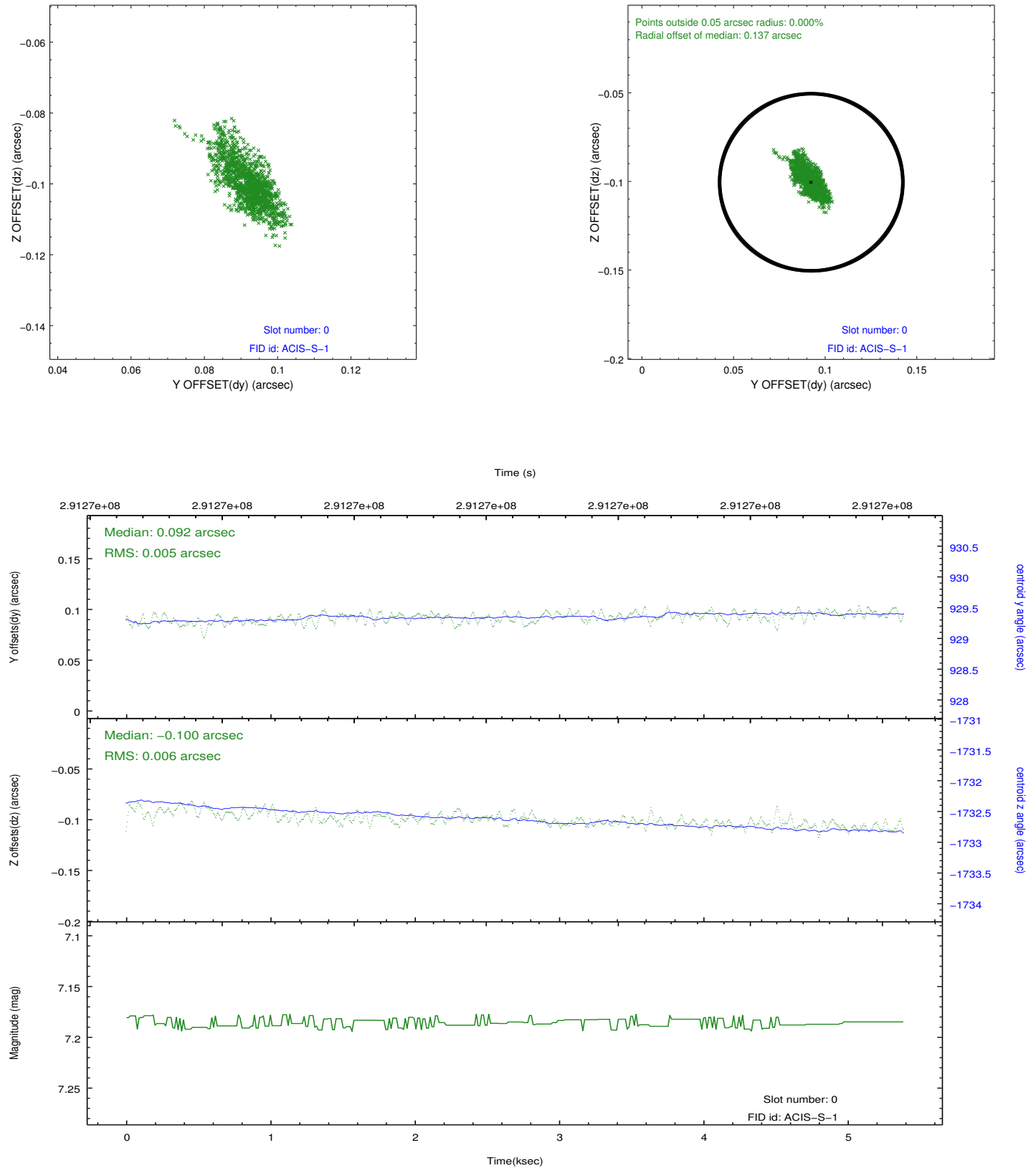


## 2.4.5 Slot 7

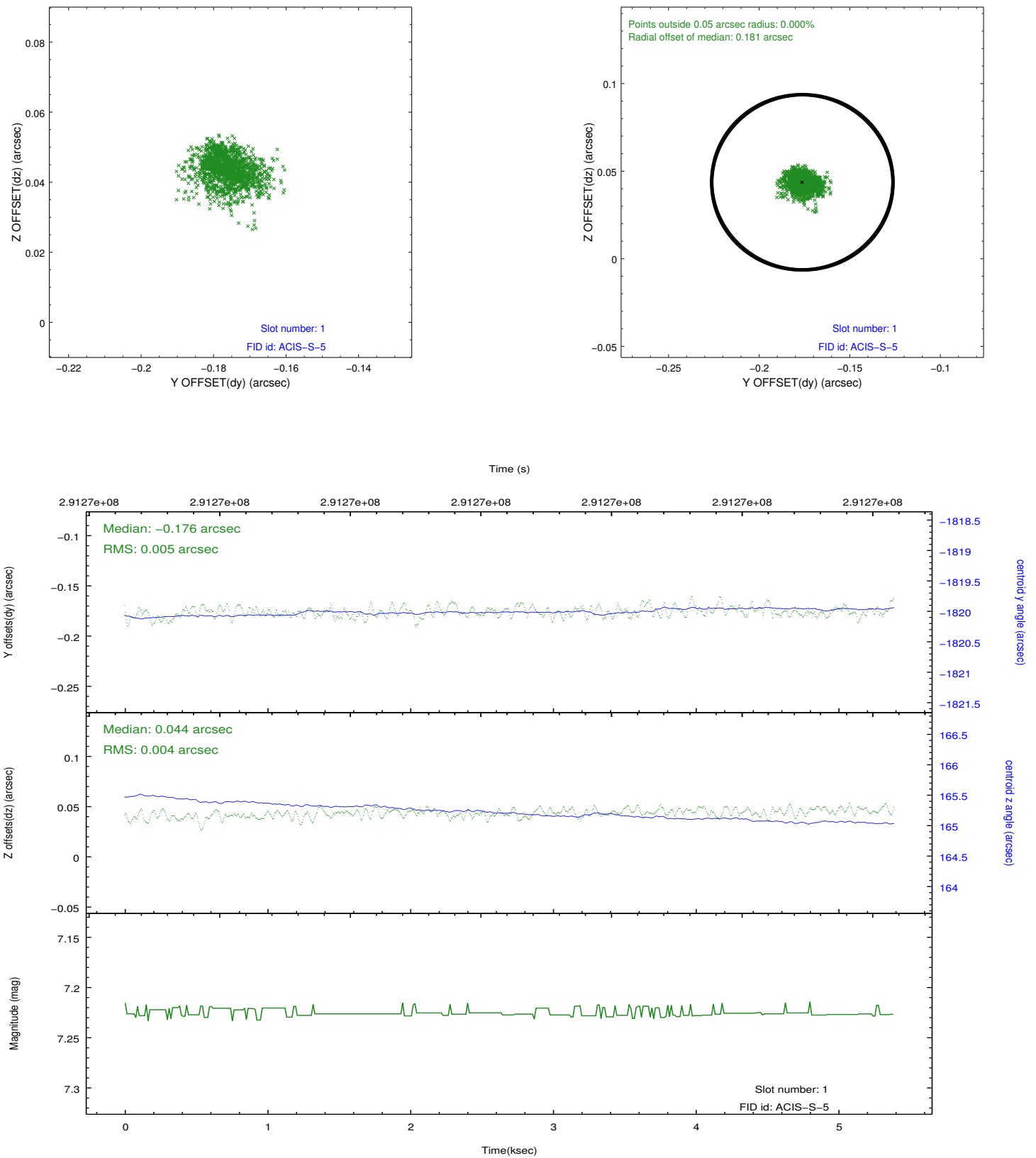


## 2.5 FID Slots

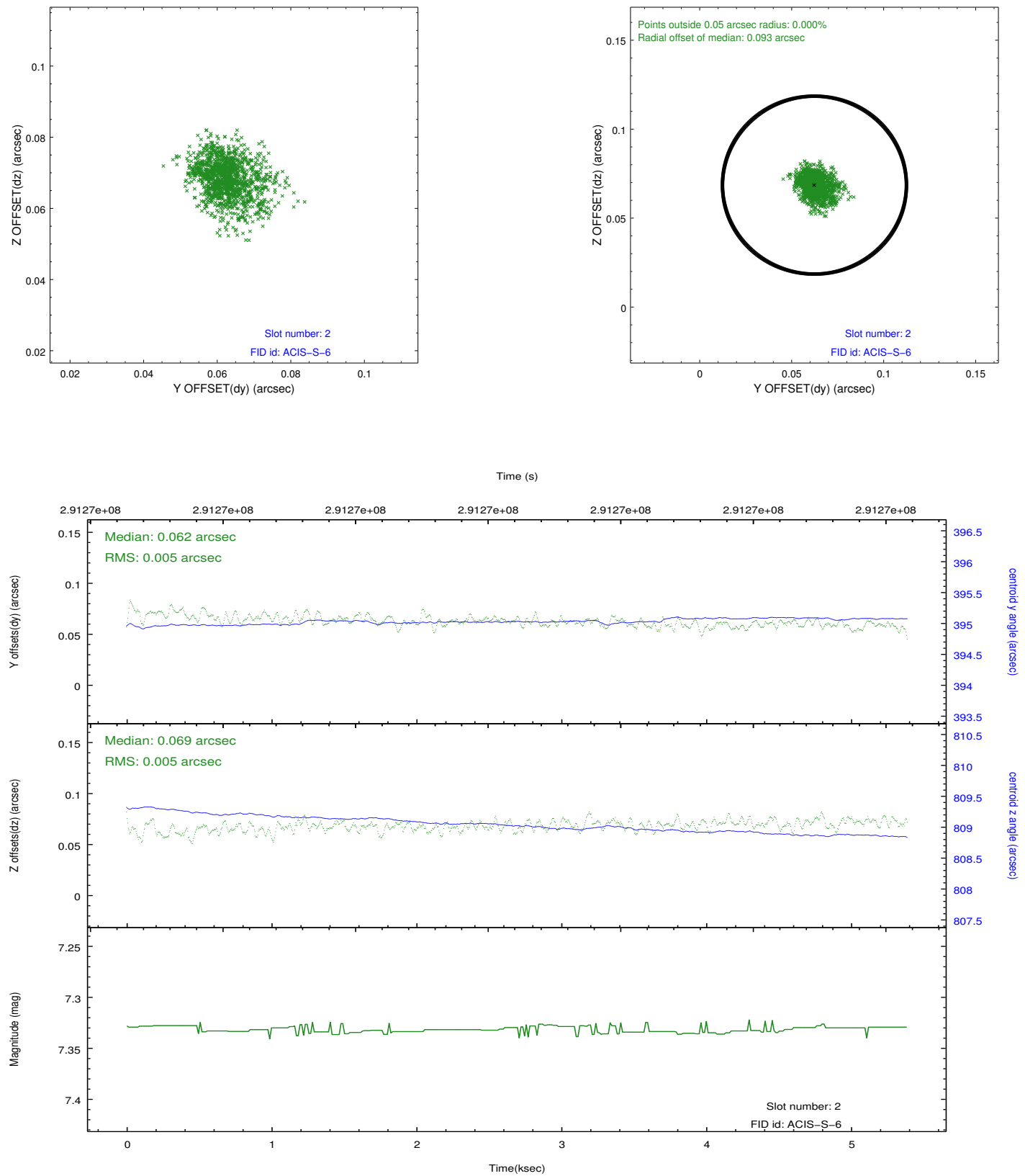
### 2.5.1 Slot 0



## 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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95359998

### A.2 Comments