

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7464 - L2 Version 3  
Chandra X-Ray Center

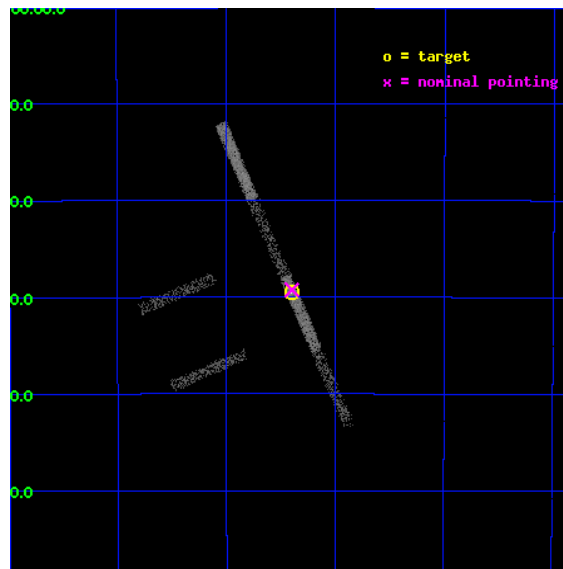
L2 Processing Date : Apr 24 2012

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# 1 Front

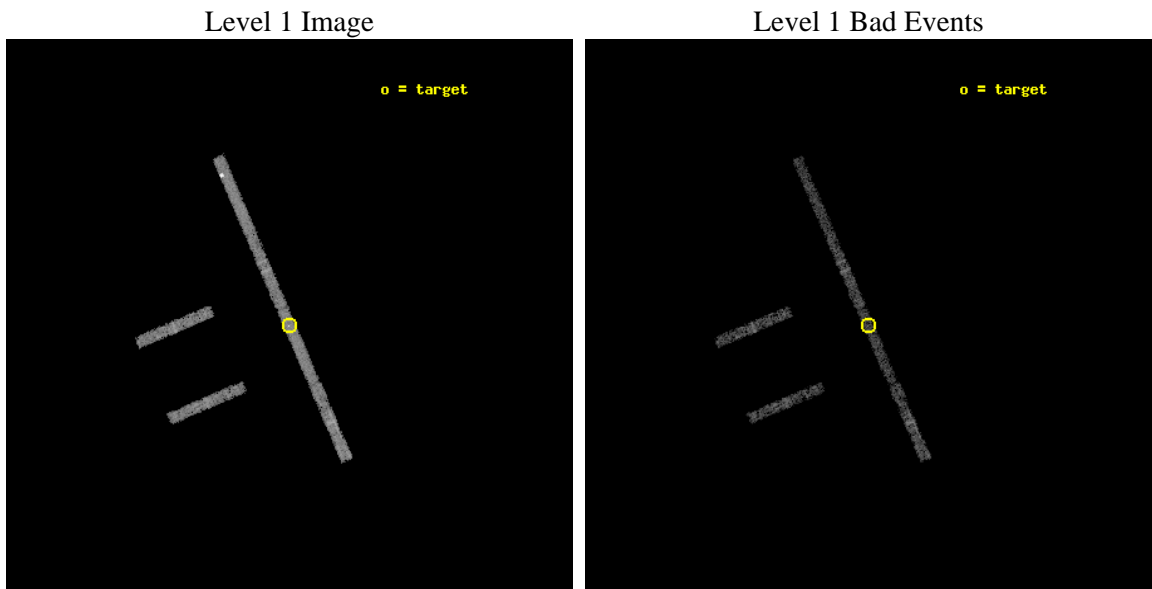
seq_num	400574	Sequence number
obs_id	7464	Observation id
title	Localizing ill-studied LMXBs	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	1RXS J171824.2-402934	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.600417	Observer's specified target RA [deg]
dec_targ	-40.4925	Observer's specified target Dec [deg]
ra_nom	259.59950303601	Nominal RA [deg]
dec_nom	-40.487749149043	Nominal Dec [deg]
roll_nom	66.721689626791	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2565.3186382055	Sum of GTIs [s]
livetime	2423.2471212672	Livetime [s]
ontime2	2565.3596782088	Sum of GTIs [s]
ontime3	2565.1955181956	Sum of GTIs [s]
ontime5	2565.2775982022	Sum of GTIs [s]
ontime6	2565.2365581989	Sum of GTIs [s]
ontime7	2565.3186382055	Sum of GTIs [s]
ontime8	2565.1544781923	Sum of GTIs [s]
l2events	6183	Number of level 2 events



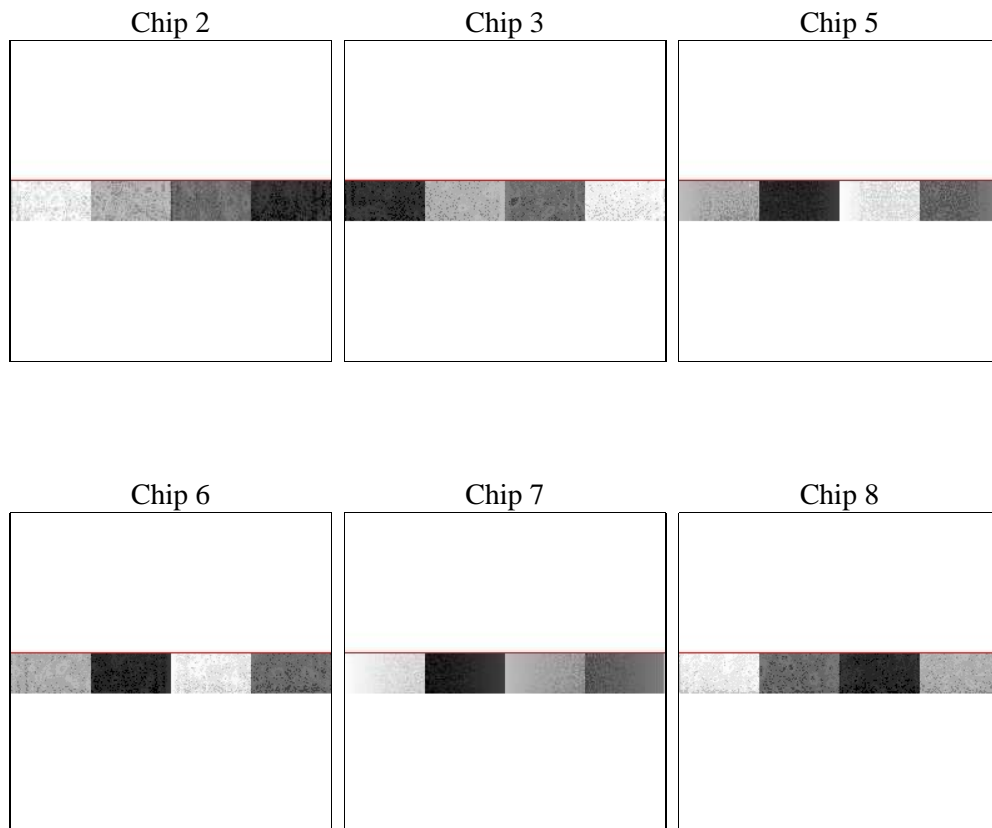
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2565.3186382055	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	2565.3596782088	Sum of GTIs [s]
date	2012-04-24T08:46:29	Date and time of file creation	ontime3	2565.1955181956	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2565.2775982022	Sum of GTIs [s]
			ontime6	2565.2365581989	Sum of GTIs [s]
			ontime7	2565.3186382055	Sum of GTIs [s]
			ontime8	2565.1544781923	Sum of GTIs [s]
			l1events	31610	Number of level 1 events

### 2.1.4 Events

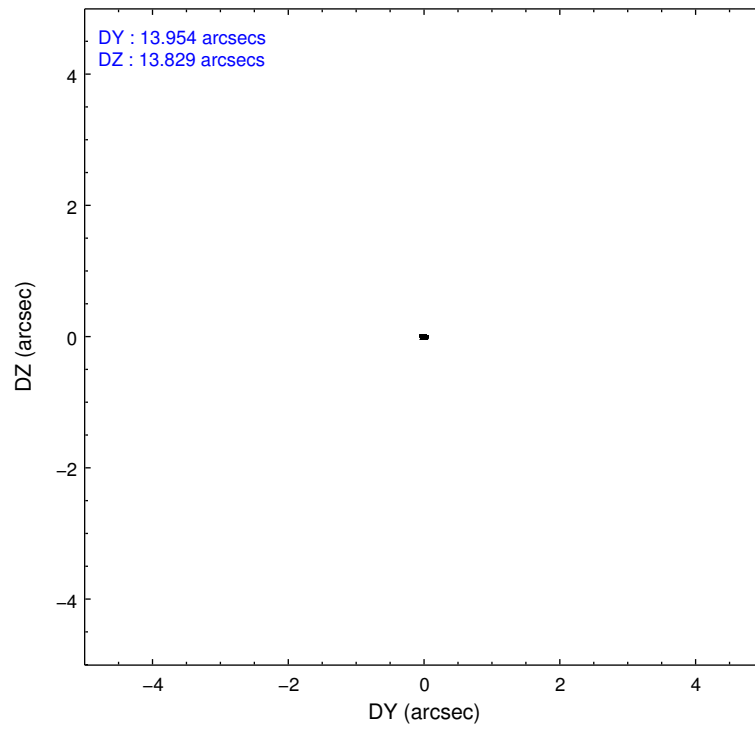
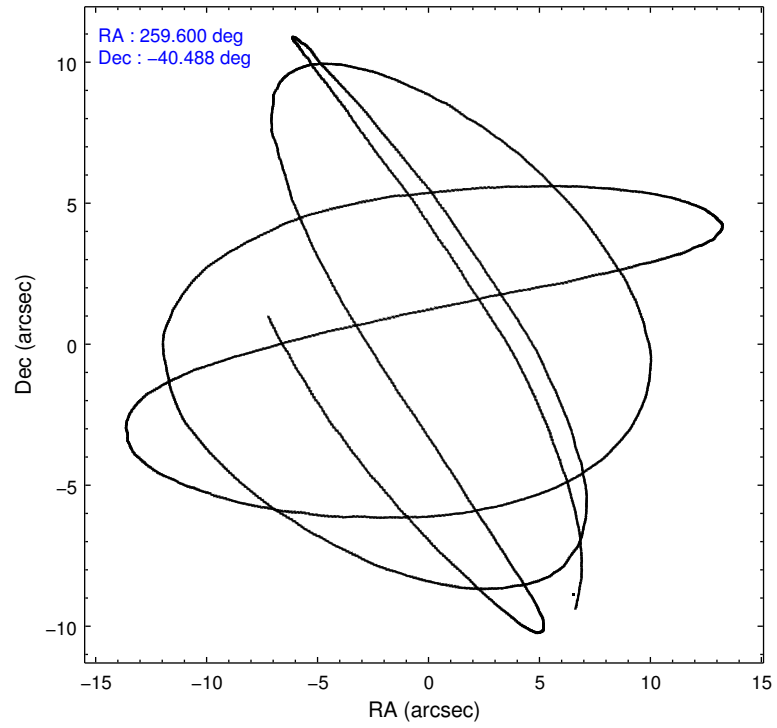
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	4310	3877	8309	4379	5231	5504
rejected events	3814	3381	2656	3937	2754	4296
rejected %	88%	87%	31%	89%	52%	78%

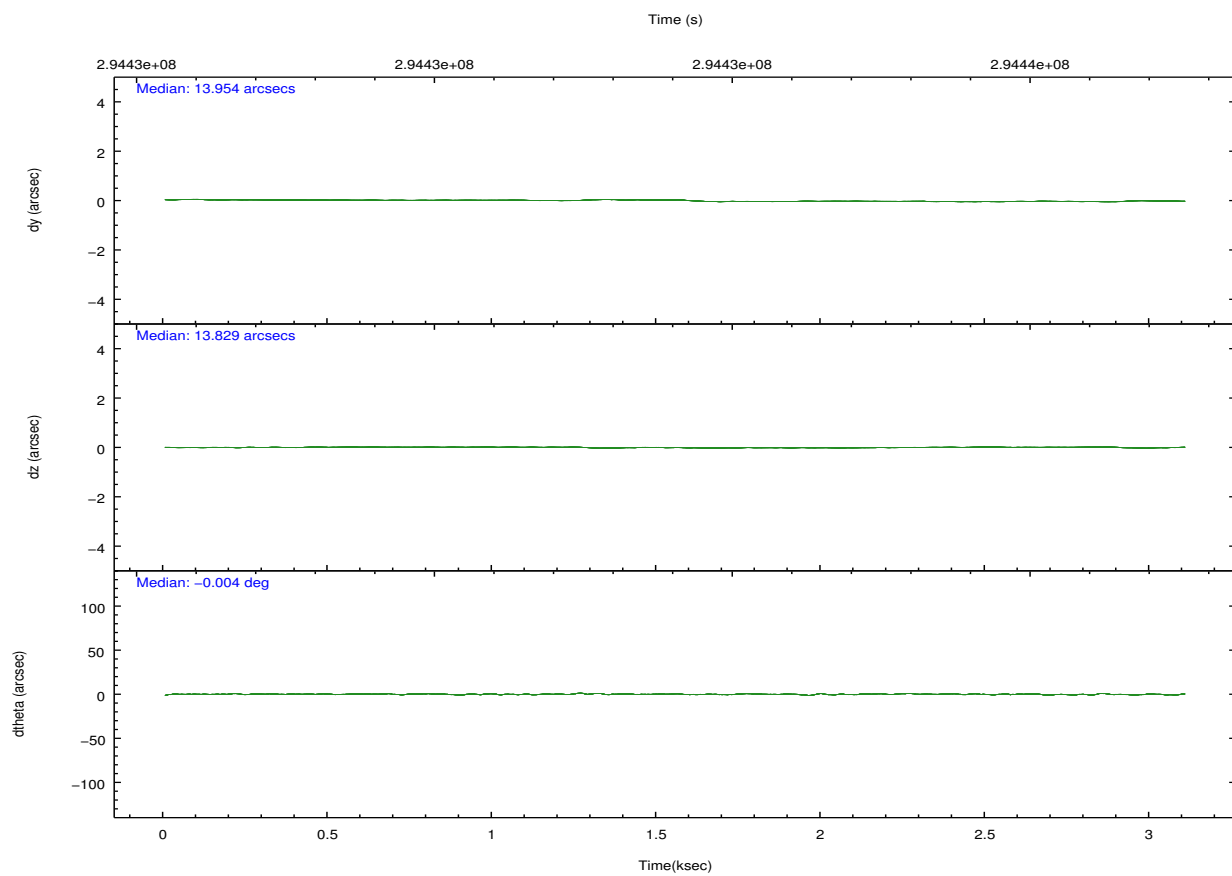
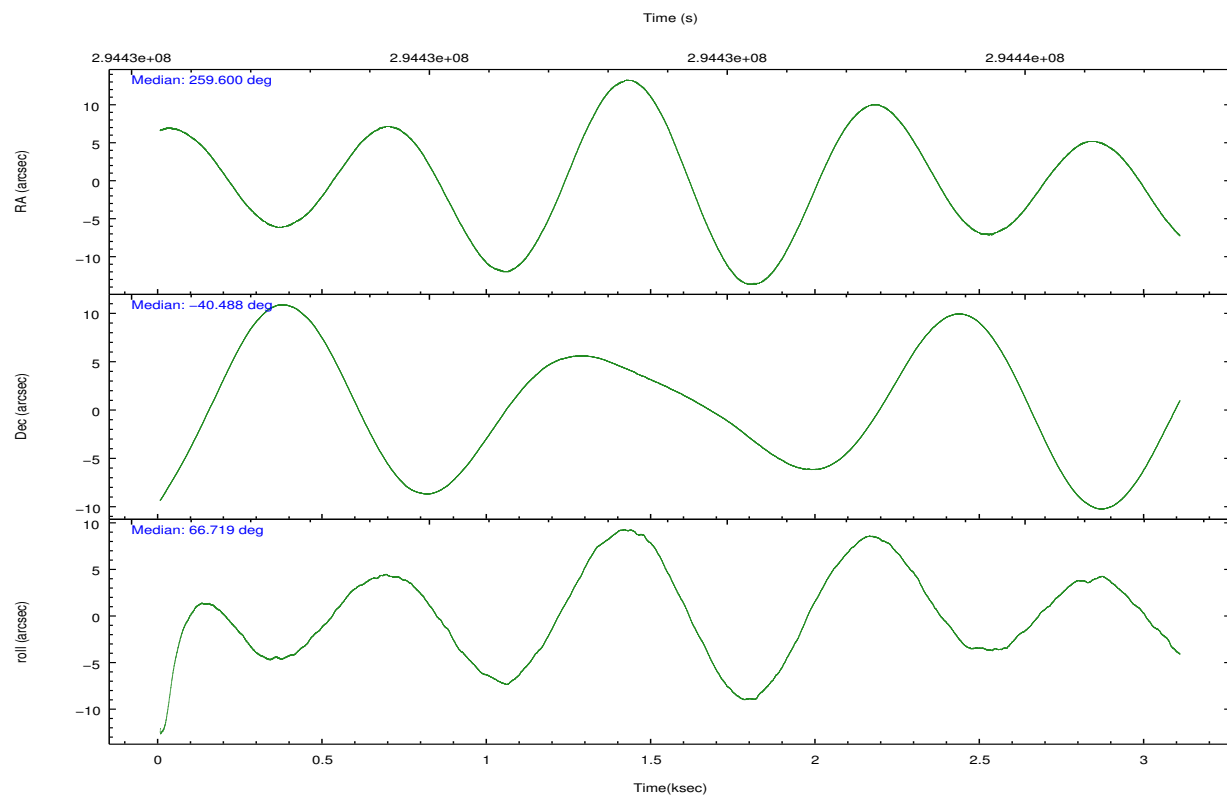
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	184	177	2716	140	335	307
	4%	4%	32%	3%	6%	5%
grade 1 events	1	0	10	0	14	4
	0%	0%	0%	0%	0%	0%
grade 2 events	98	84	1480	79	536	212
	2%	2%	17%	1%	10%	3%
grade 3 events	79	70	168	80	266	178
	1%	1%	2%	1%	5%	3%
grade 4 events	54	79	175	73	284	162
	1%	2%	2%	1%	5%	2%
grade 5 events	137	134	402	146	420	186
	3%	3%	4%	3%	8%	3%
grade 6 events	81	86	1115	70	1056	351
	1%	2%	13%	1%	20%	6%
grade 7 events	3676	3247	2243	3791	2320	4104
	85%	83%	26%	86%	44%	74%

## 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	259.604187	259.5995030360089	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-40.514809	-40.48774914904339	Subarray start row	449	449
[deg] Pointing Roll	66.568097	66.72168962679132	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.7
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	294432866.184000	294431919.50115			
Observation start date	2007-05-01T18:53:21	2007-05-01T18:38:39			
[s] Observation end time (MET)	294435366.184000	294436613.48888			
Observation end date	2007-05-01T19:35:01	2007-05-01T19:56:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect





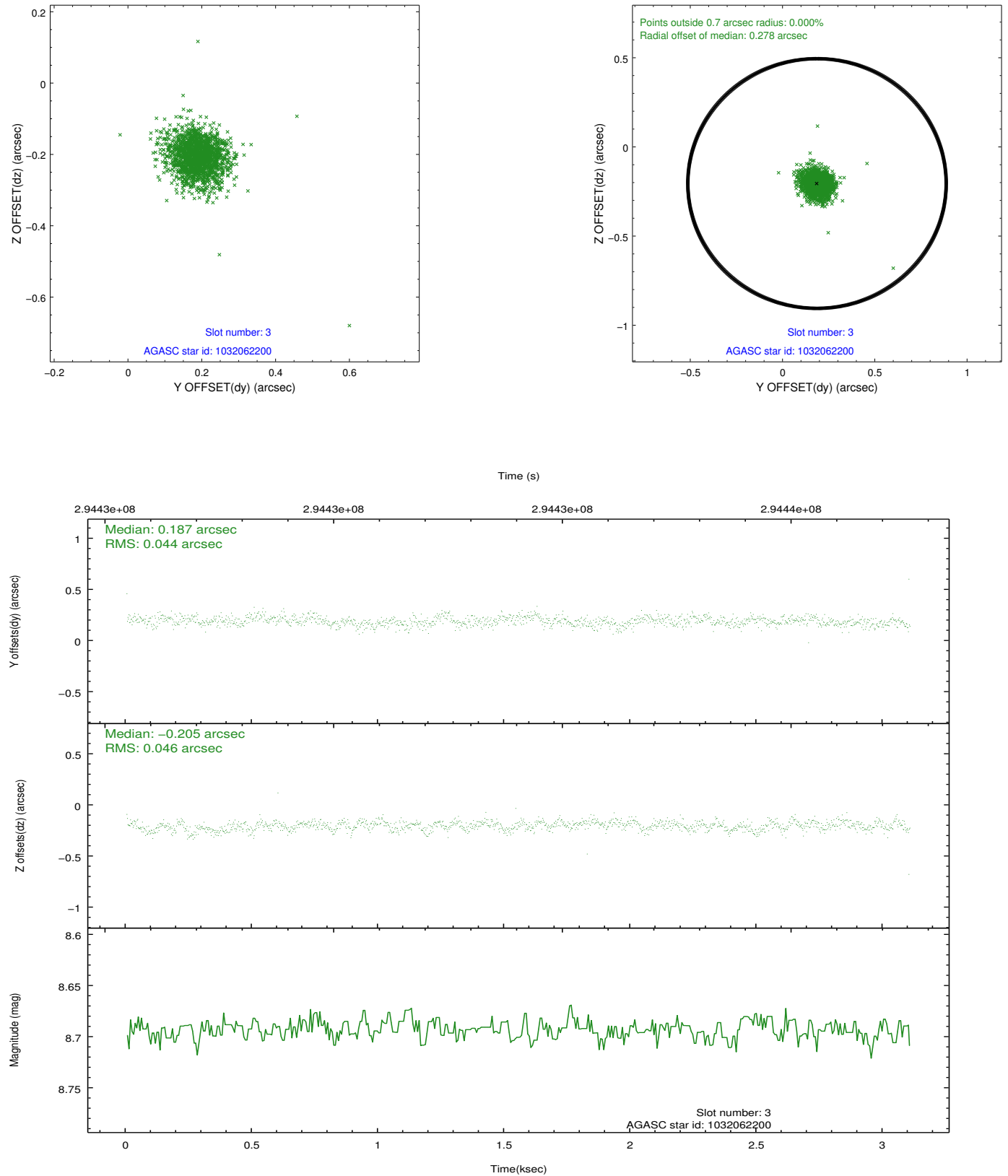
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	757	-0.057	-0.066	0.007	0.011	0.000000	0.000000	-766.95	-1735.19
1	FID	ACIS-S-4	7.19	757	0.199	0.045	0.006	0.011	0.000000	0.000000	2145.65	171.27
2	FID	ACIS-S-5	7.23	757	-0.173	0.029	0.007	0.012	0.000000	0.000000	-1817.27	167.27
3	GUIDE	1032062200	8.69	1514	0.187	-0.205	0.063	0.104	259.162367	-40.866249	-1641.35	599.29
4	GUIDE	1032065360	8.40	1515	0.182	0.143	0.061	0.098	259.684100	-41.099417	-1845.34	-1035.21
5	GUIDE	1032066000	8.02	1515	0.123	0.116	0.049	0.080	259.957393	-41.208388	-1912.95	-1871.89
6	GUIDE	1033770424	8.24	1515	-0.128	0.093	0.058	0.100	260.243465	-40.286835	1444.43	-1287.78
7	GUIDE	1032069472	8.06	1514	-0.366	-0.149	0.057	0.086	259.731127	-39.838834	2373.14	645.03

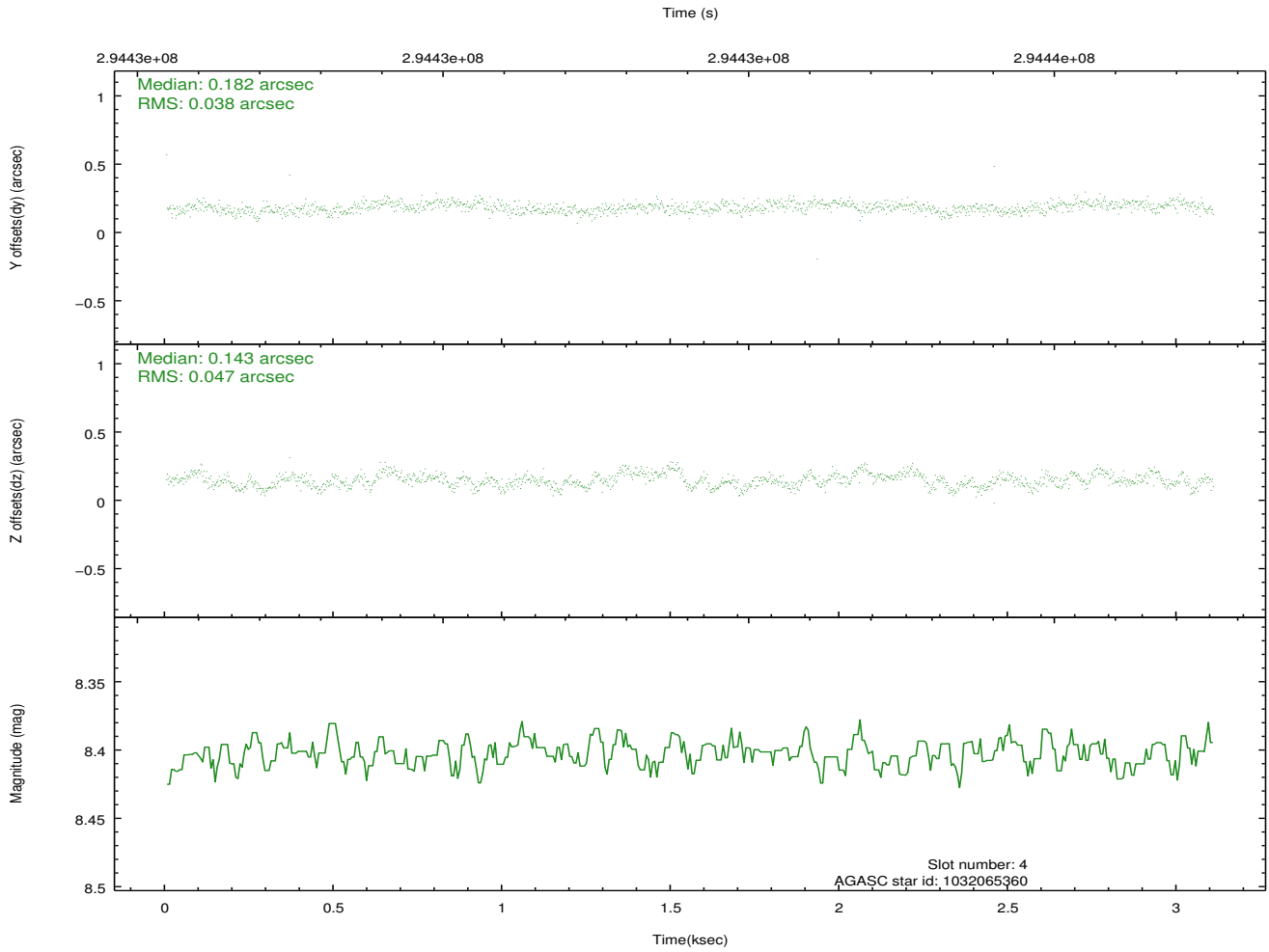
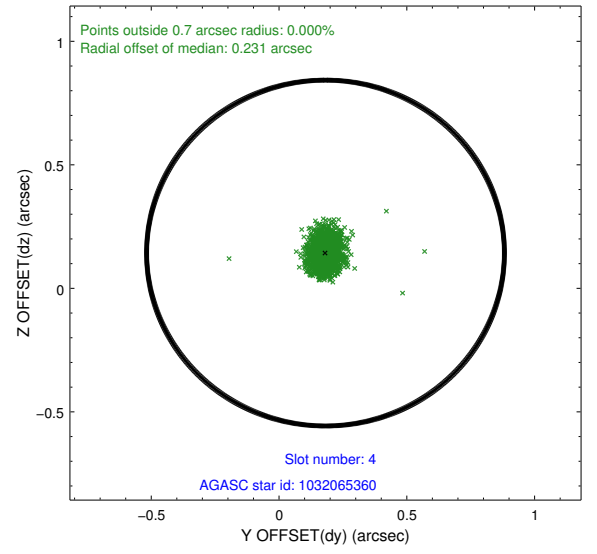
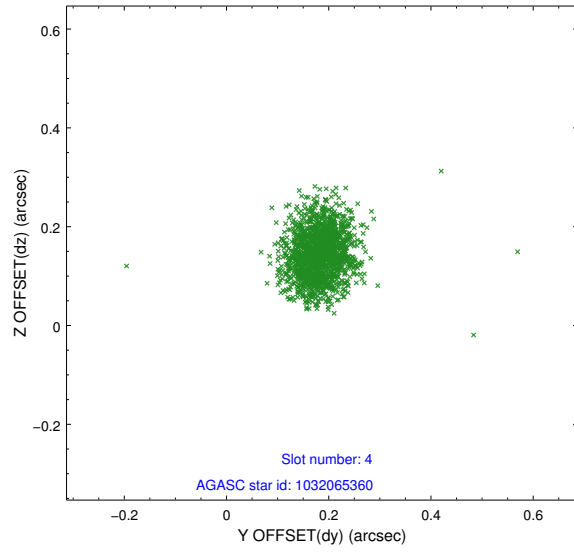


## 2.4 Star Slots

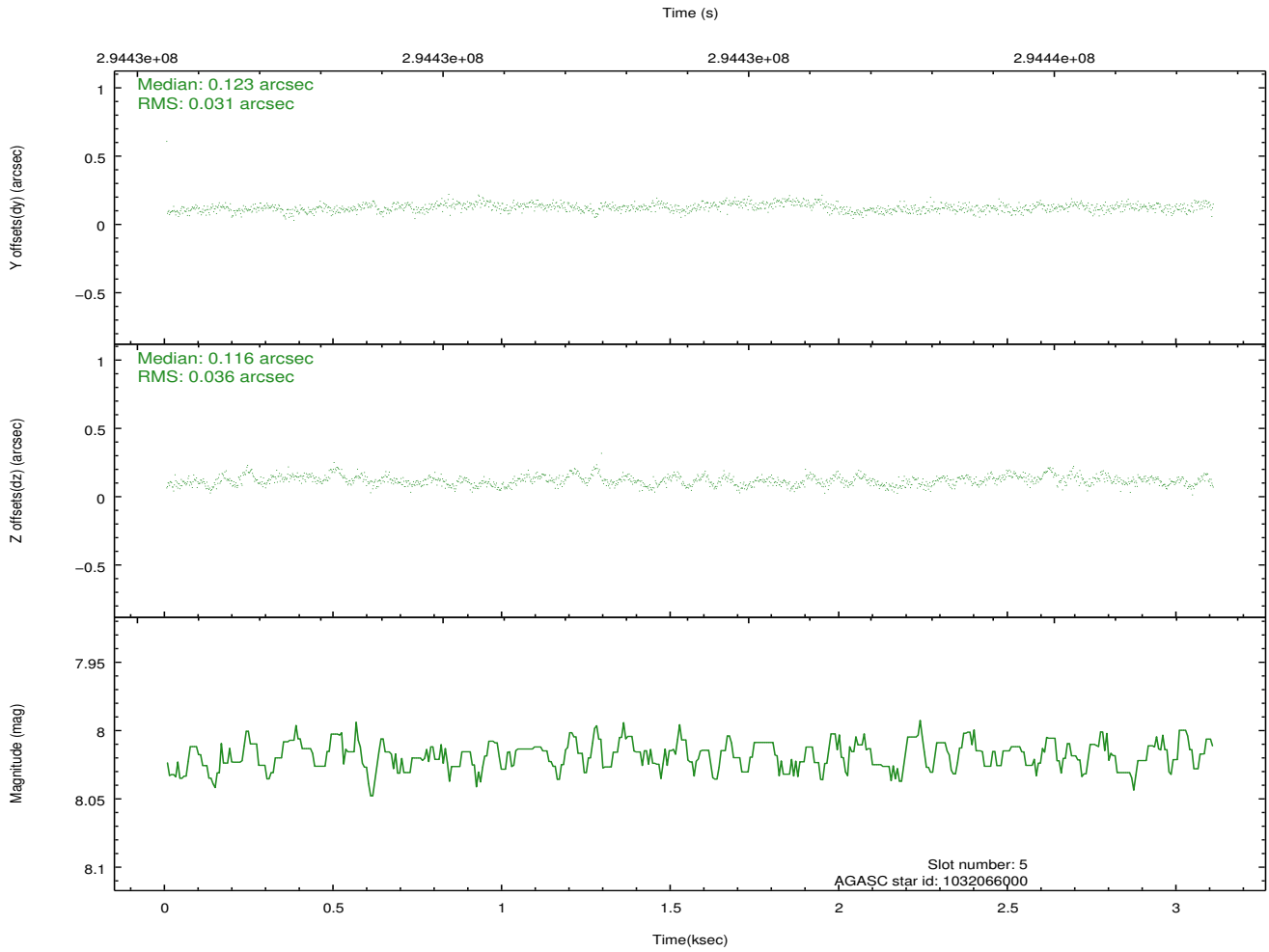
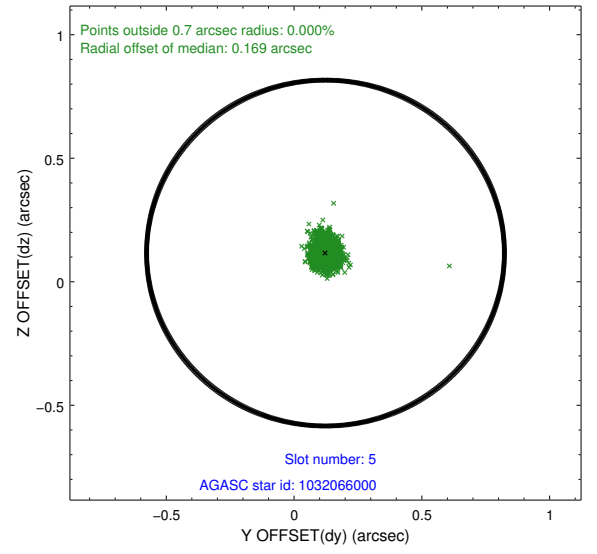
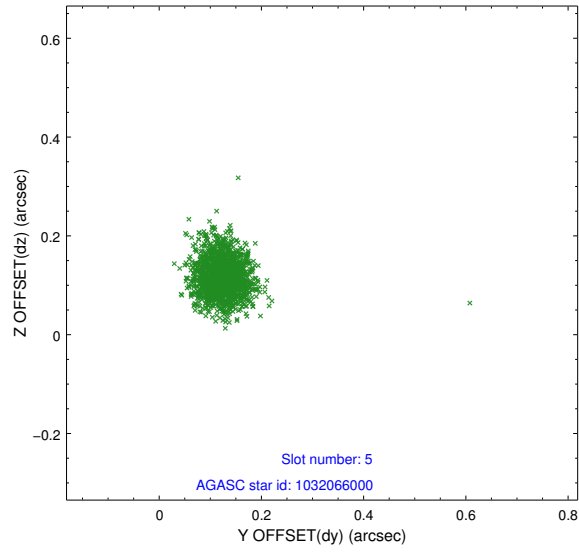
### 2.4.1 Slot 3



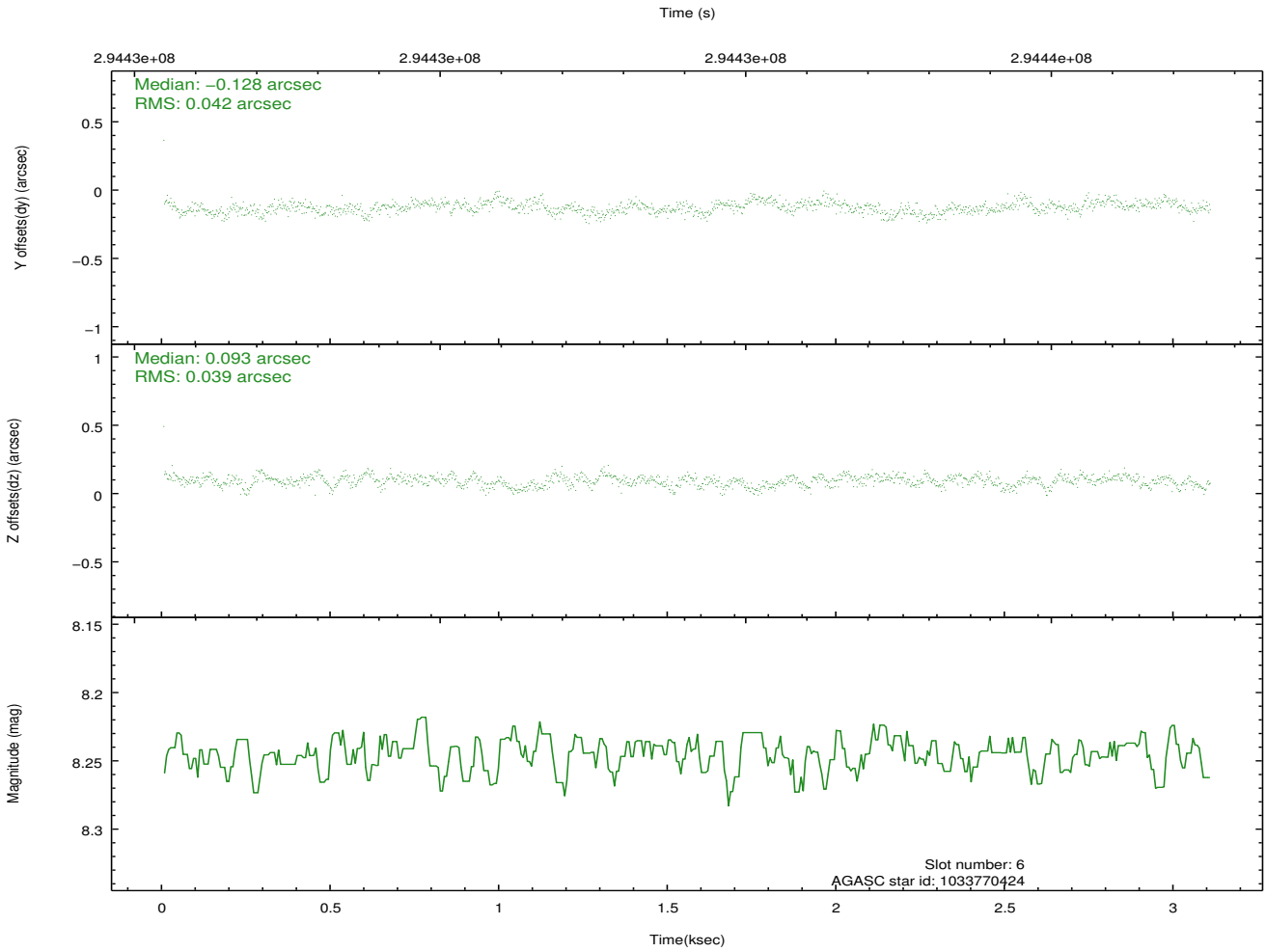
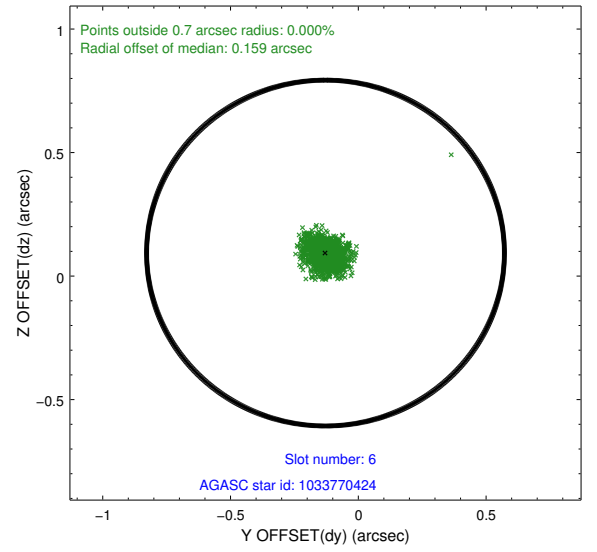
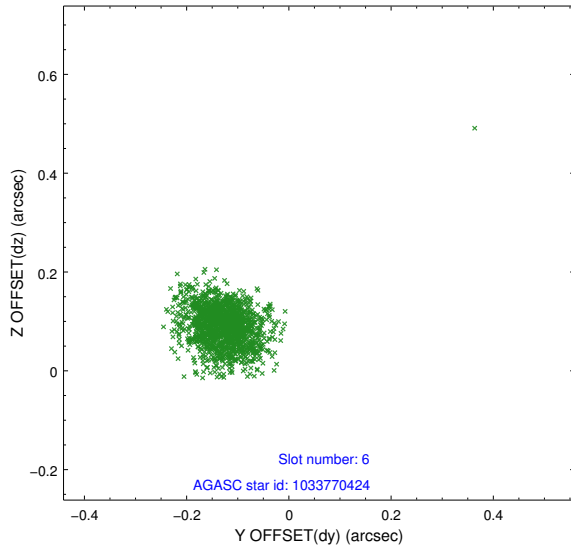
## 2.4.2 Slot 4



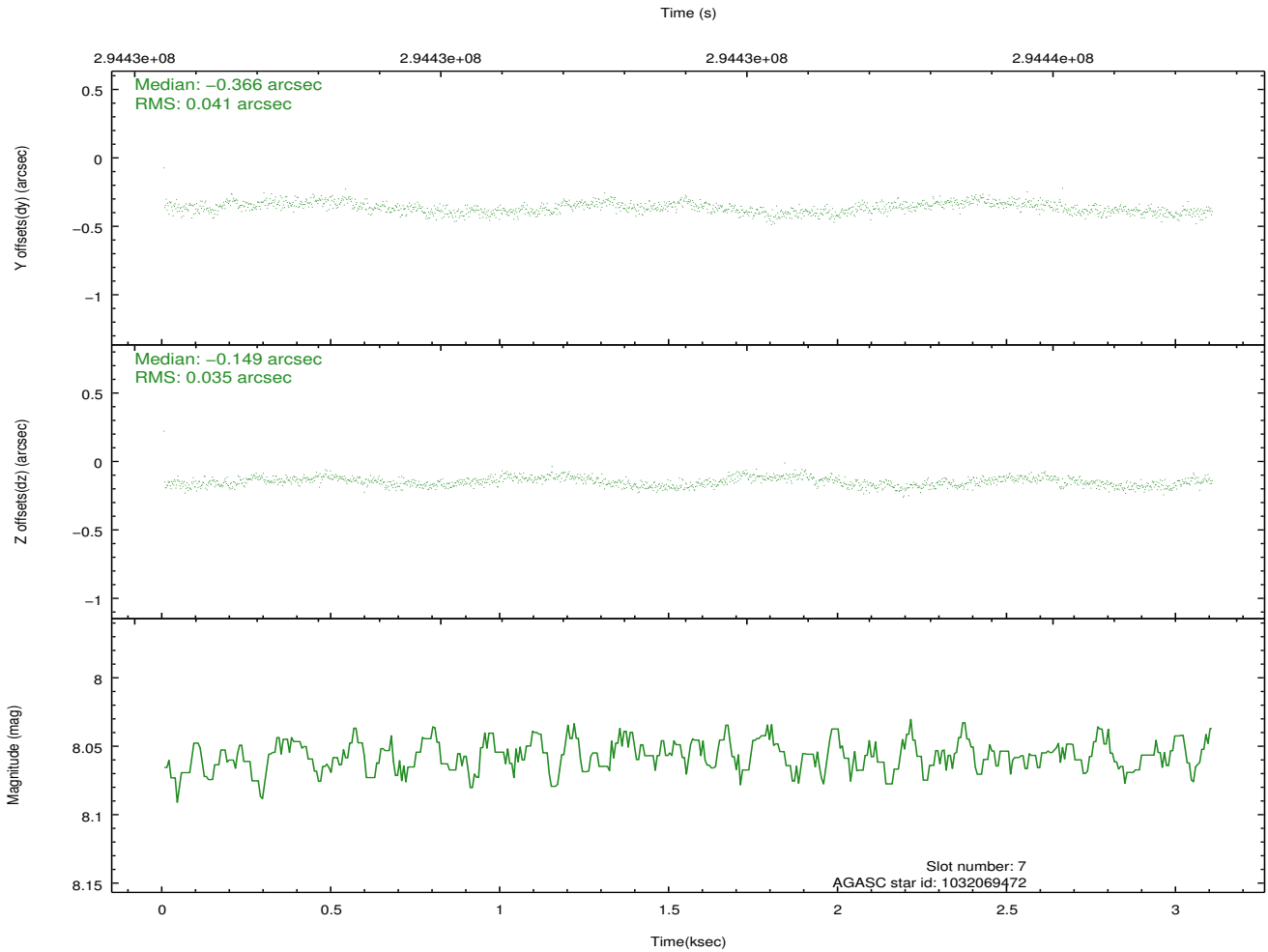
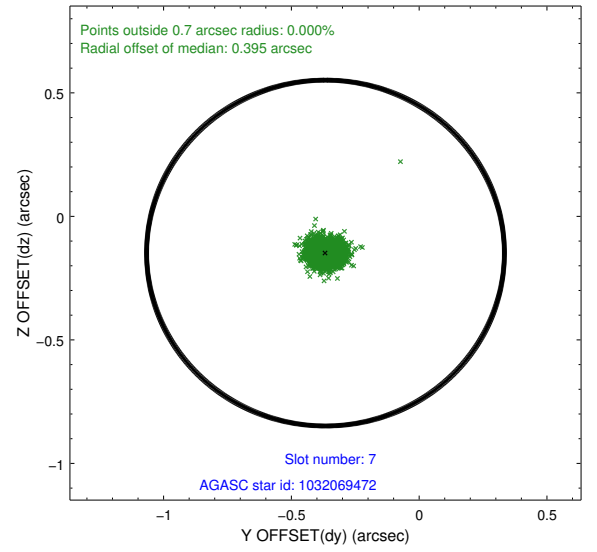
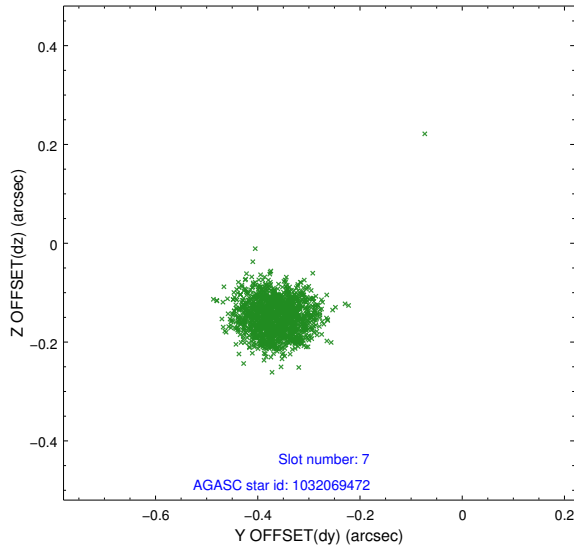
### 2.4.3 Slot 5



## 2.4.4 Slot 6

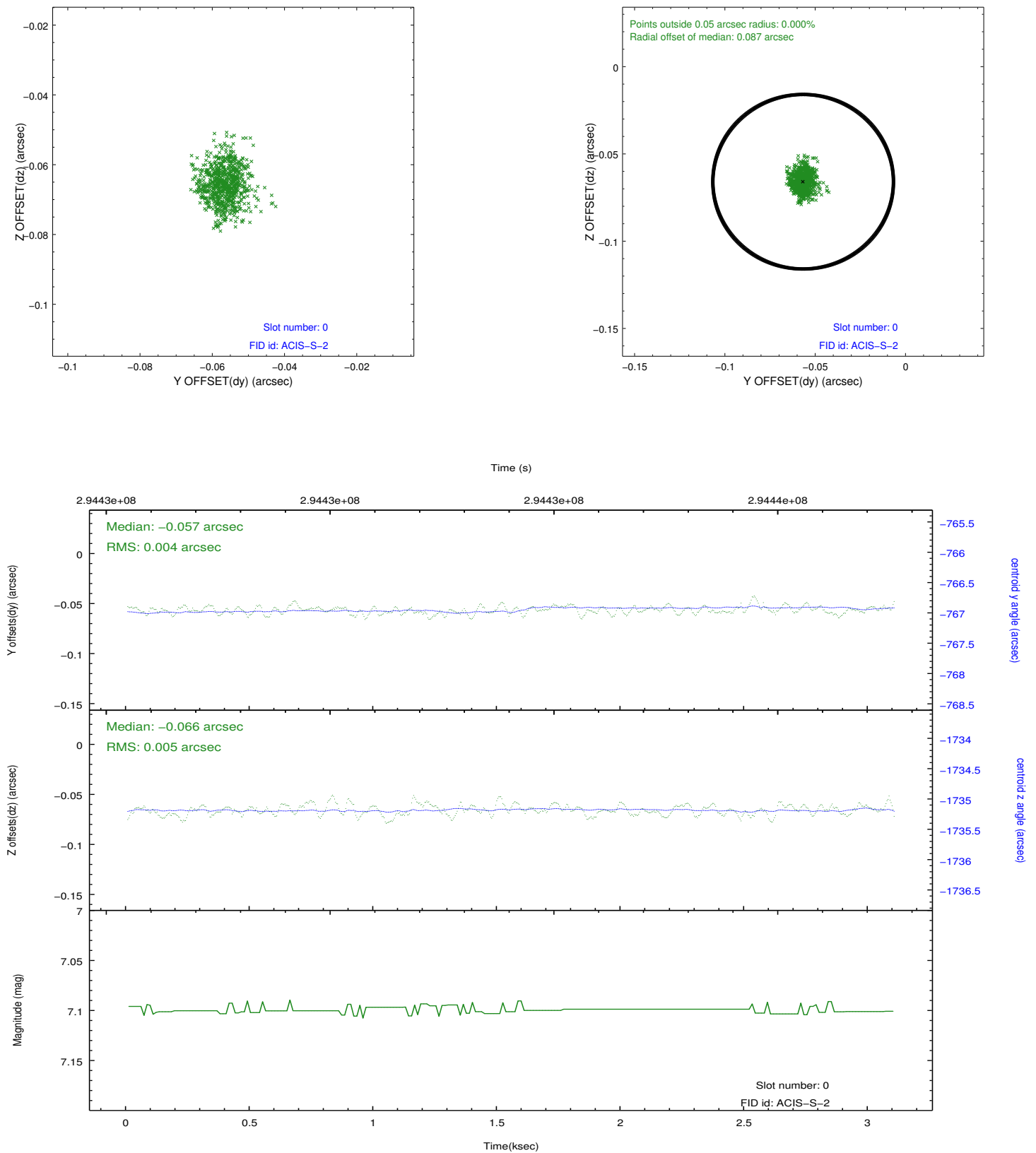


## 2.4.5 Slot 7

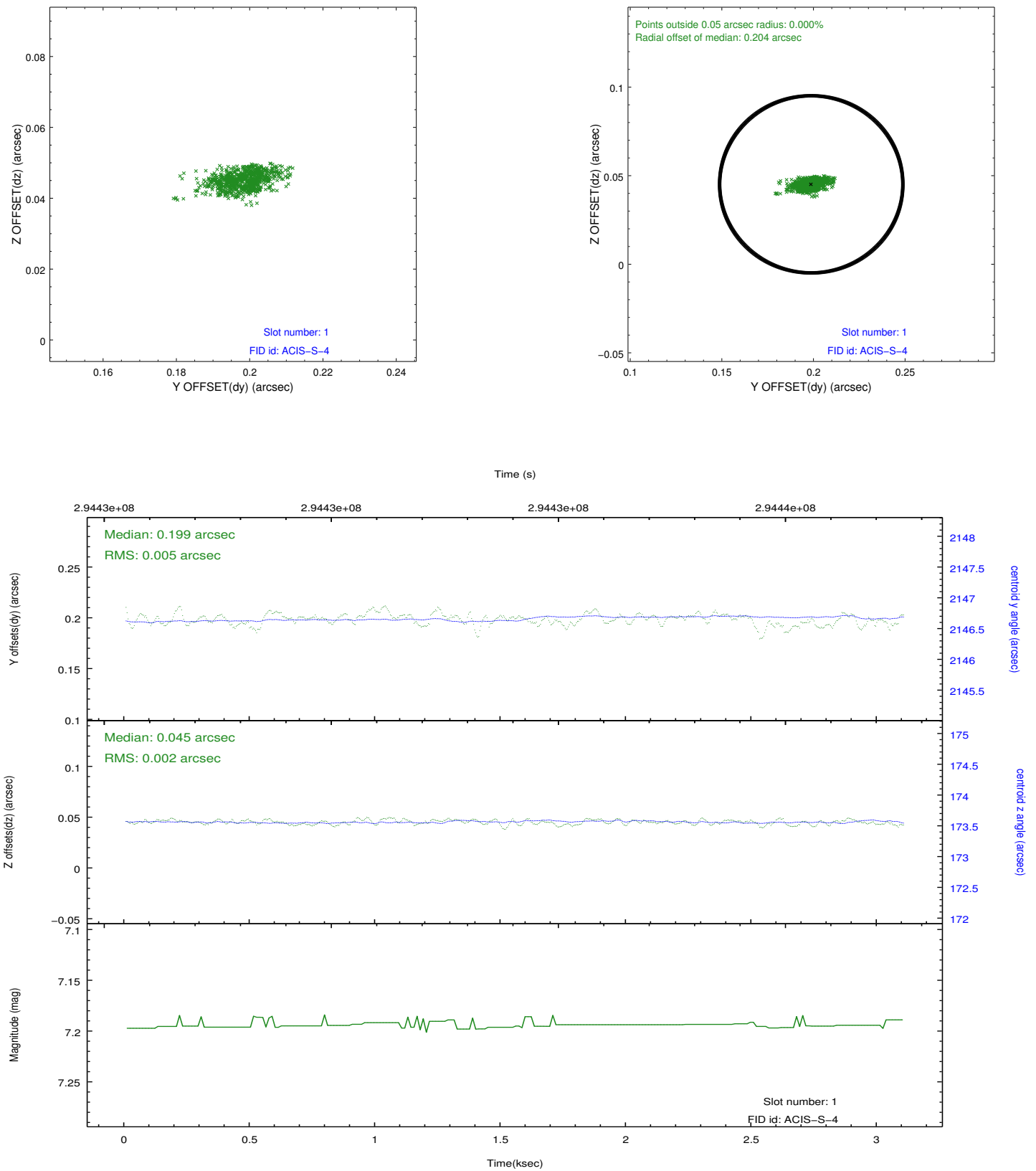


## 2.5 FID Slots

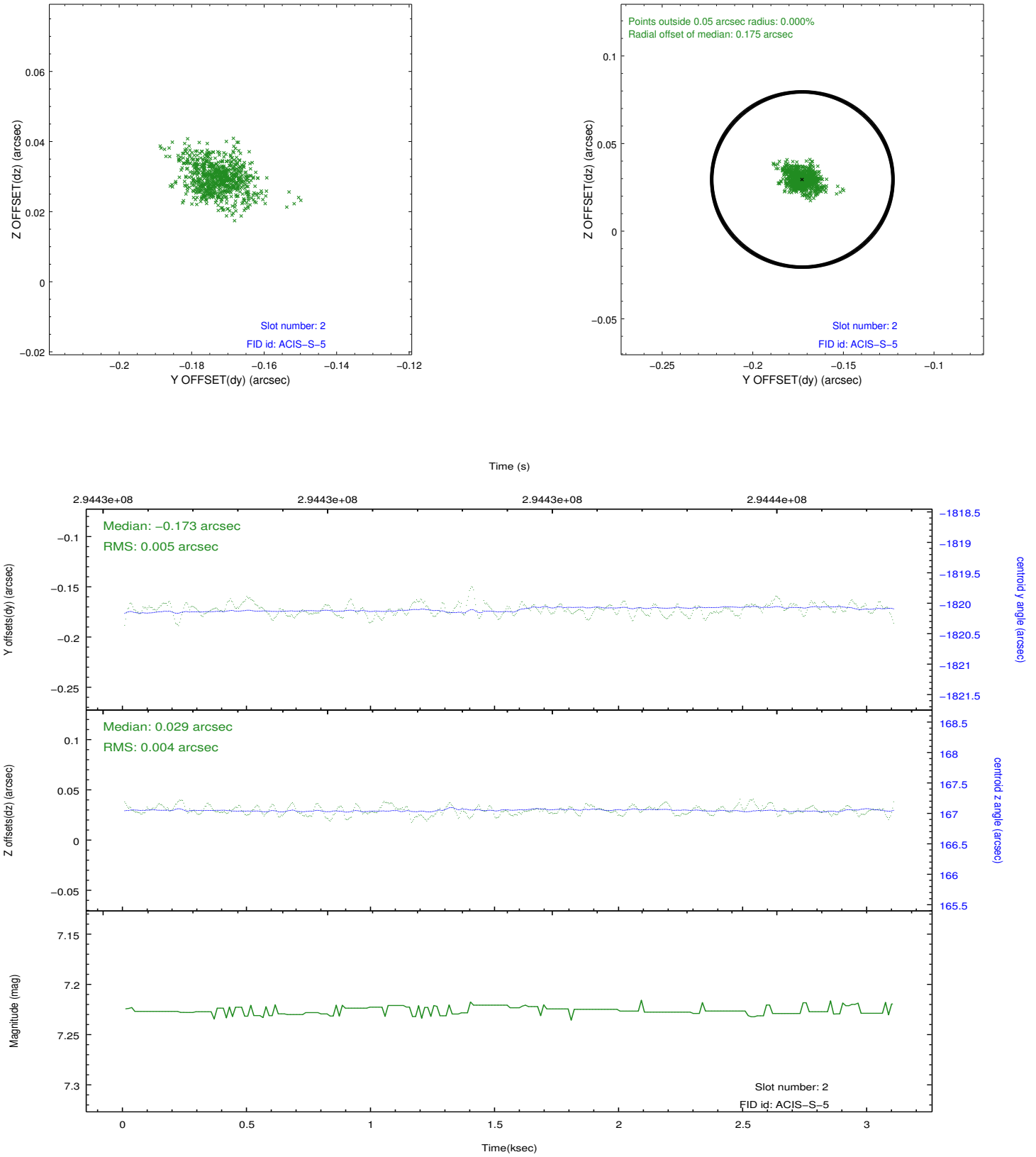
### 2.5.1 Slot 0



## 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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.56549995

### A.2 Comments