

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7132 - L2 Version 2  
Chandra X-Ray Center

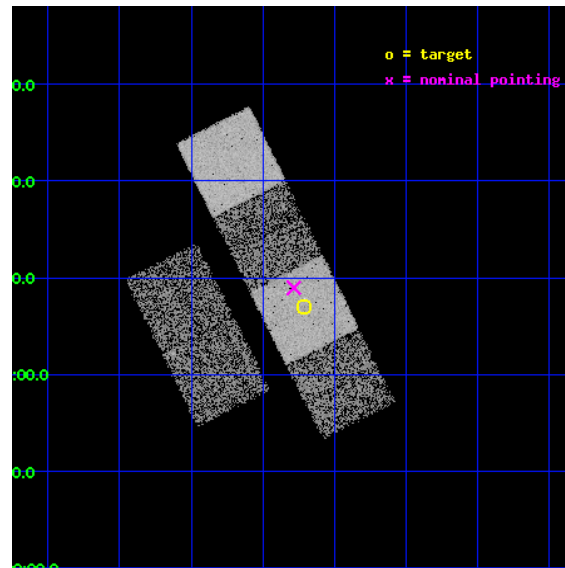
L2 Processing Date : Mar 17 2012

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# 1 Front

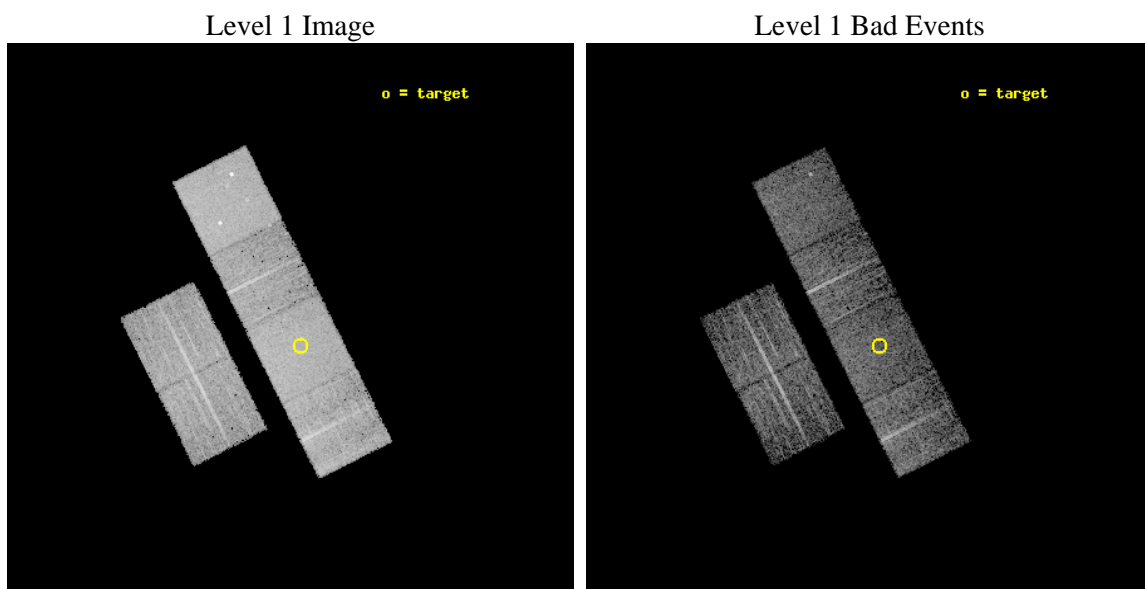
seq_num	600570	Sequence number
obs_id	7132	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Dr. Douglas Swartz	Principal investigator
object	UGC 08041	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.8025	Observer's specified target RA [deg]
dec_targ	0.116694	Observer's specified target Dec [deg]
ra_nom	193.82087747683	Nominal RA [deg]
dec_nom	0.14931517363958	Nominal Dec [deg]
roll_nom	63.367020339641	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4793.5999821424	Sum of GTIs [s]
livetime	4732.9005328092	Livetime [s]
ontime2	4793.5999821424	Sum of GTIs [s]
ontime3	4793.5999821424	Sum of GTIs [s]
ontime5	4793.5999821424	Sum of GTIs [s]
ontime6	4793.5999821424	Sum of GTIs [s]
ontime7	4793.5999821424	Sum of GTIs [s]
ontime8	4793.5999821424	Sum of GTIs [s]
l2events	63351	Number of level 2 events



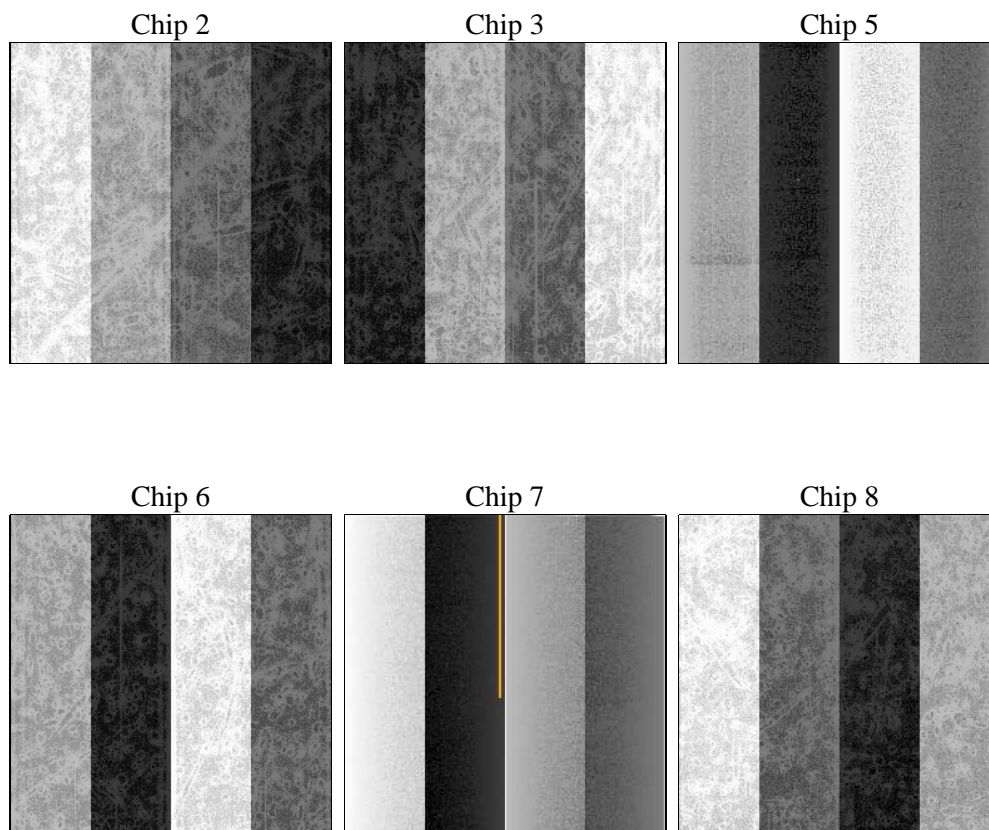
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4840.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4793.5999821424	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime2	4793.5999821424	Sum of GTIs [s]
date	2012-03-17T16:04:44	Date and time of file creation	ontime3	4793.5999821424	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4793.5999821424	Sum of GTIs [s]
			ontime6	4793.5999821424	Sum of GTIs [s]
			ontime7	4793.5999821424	Sum of GTIs [s]
			ontime8	4793.5999821424	Sum of GTIs [s]
			l1events	276167	Number of level 1 events

### 2.1.4 Events

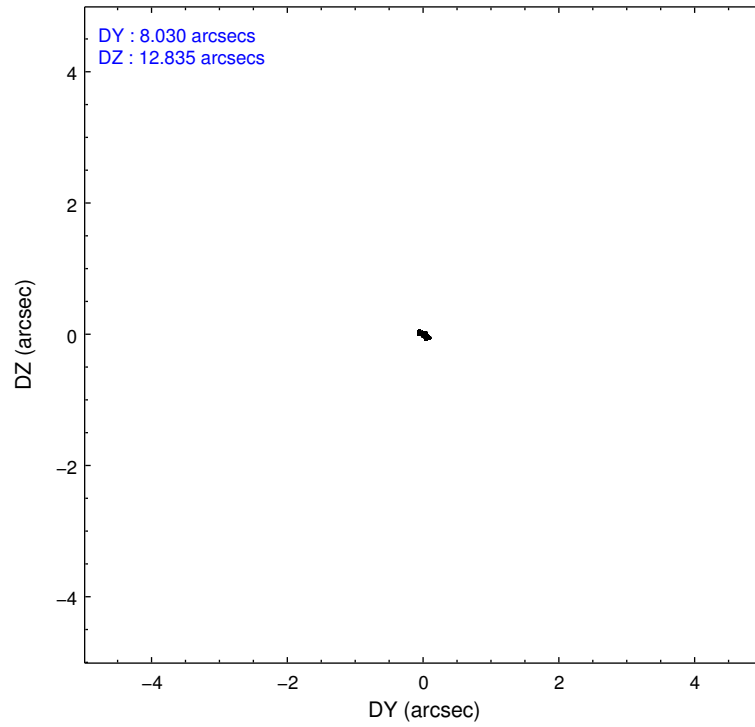
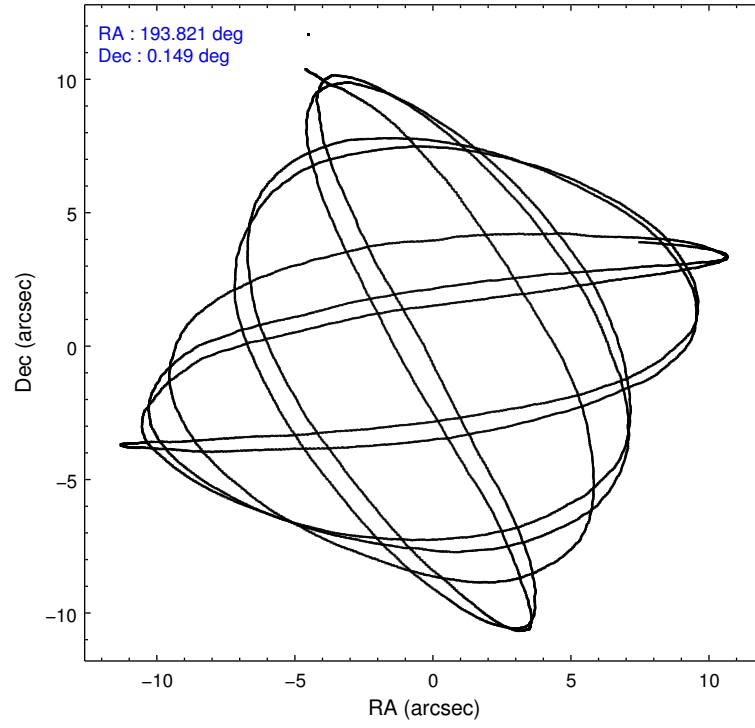
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39750	37403	59707	38800	53542	46965	grade 0 events	2063	1992	2870	1866	2049	3365
rejected events	35164	32891	32046	34175	31341	36752		5%	5%	4%	4%	3%	7%
rejected %	88%	87%	53%	88%	58%	78%	grade 1 events	28	27	95	17	60	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	953	826	8654	983	4430	2260
								2%	2%	14%	2%	8%	4%
							grade 3 events	408	453	1026	445	2026	1010
								1%	1%	1%	1%	3%	2%
							grade 4 events	418	416	1022	403	1907	983
								1%	1%	1%	1%	3%	2%
							grade 5 events	1564	1762	4259	1767	5054	2258
								3%	4%	7%	4%	9%	4%
							grade 6 events	754	834	14117	936	11814	2603
								1%	2%	23%	2%	22%	5%
							grade 7 events	33562	31093	27664	32383	26202	34446
								84%	83%	46%	83%	48%	73%

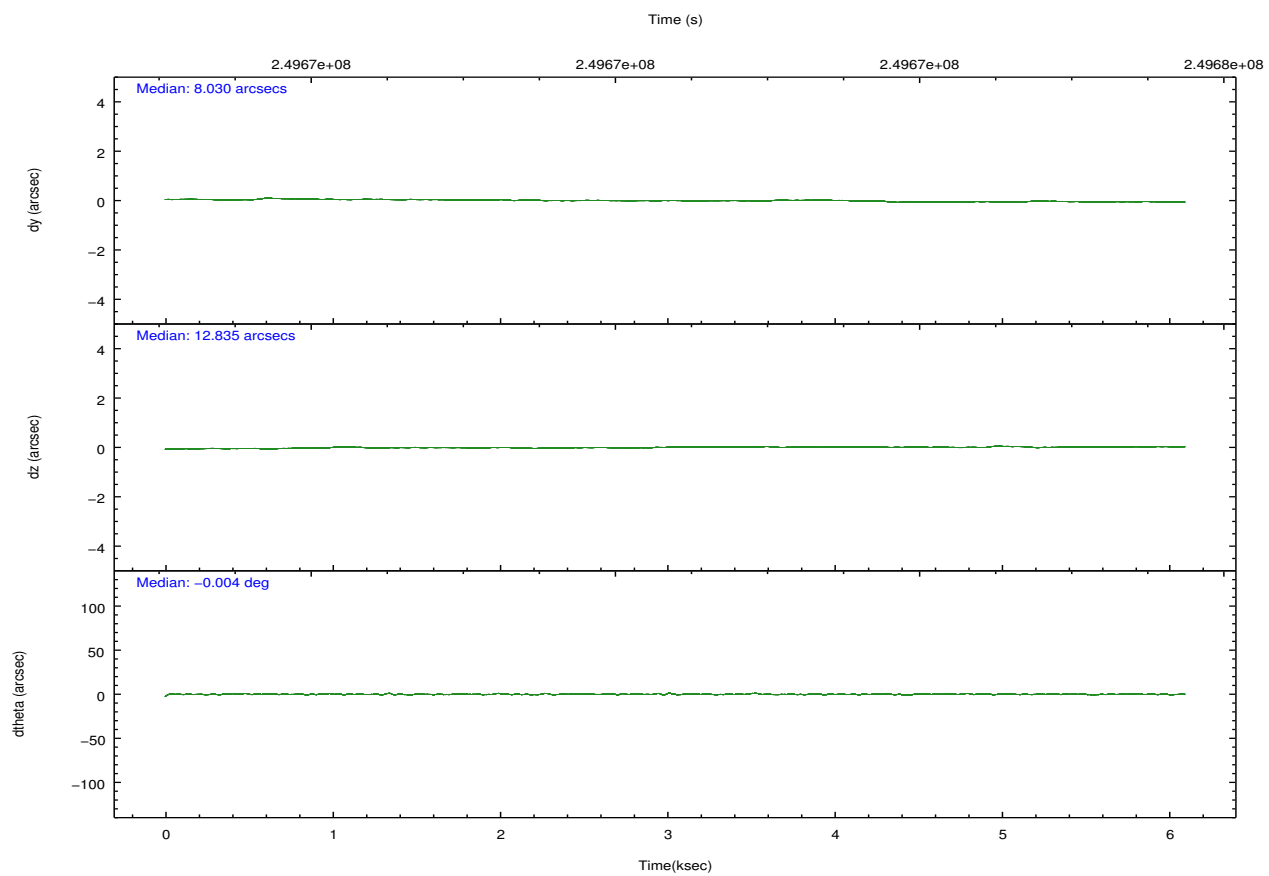
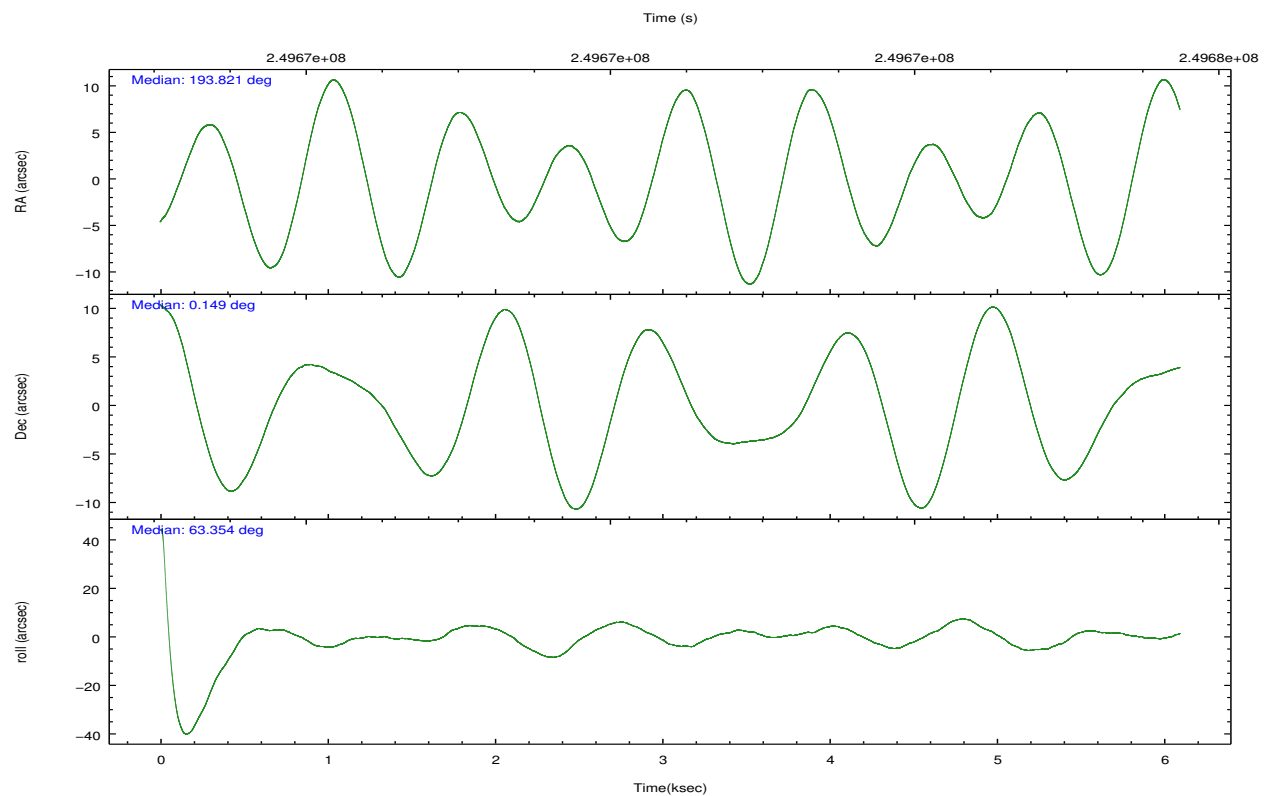


## 2.2 Compared Parameters

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	193.822794	193.8208774768331	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.122135	0.1493151736395819	Alternating exposures requested	N	N
[deg] Pointing Roll	63.210400	63.36702033964135	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249670594.184000	249669096.27428			
Observation start date	2005-11-29T16:55:30	2005-11-29T16:31:36			
[s] Observation end time (MET)	249675434.184000	249676664.36213			
Observation end date	2005-11-29T18:16:10	2005-11-29T18:37:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



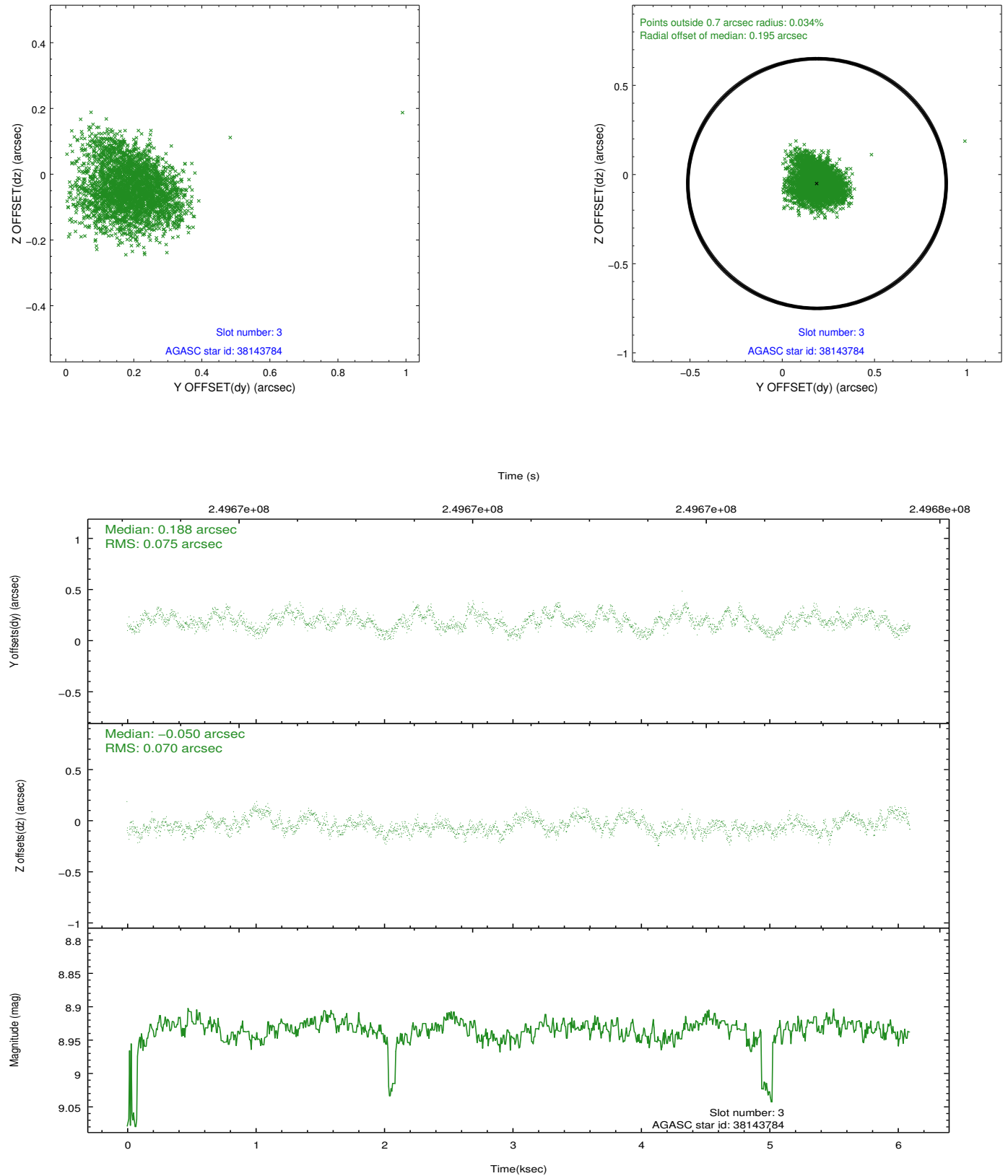


### Slot Statistics

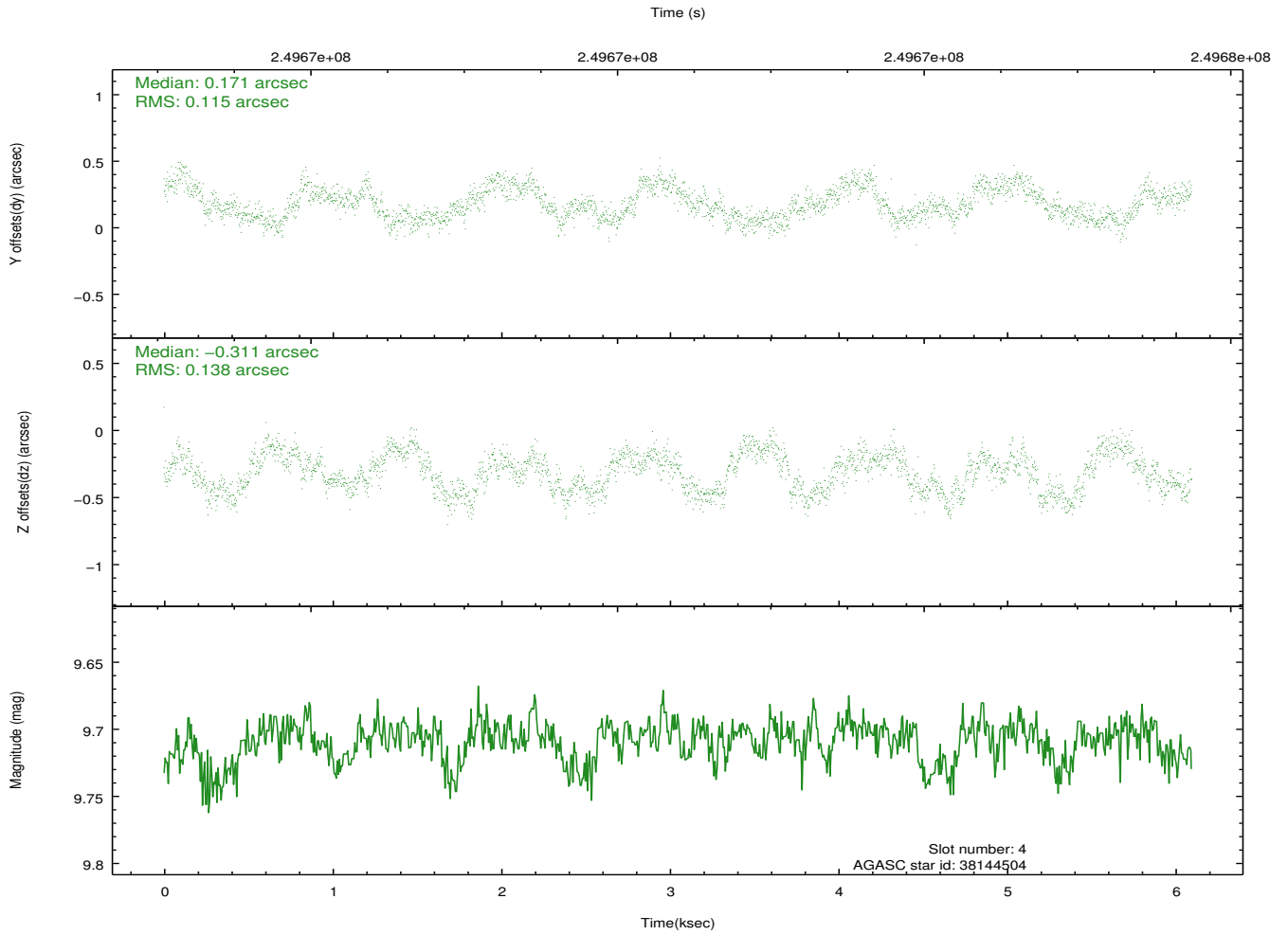
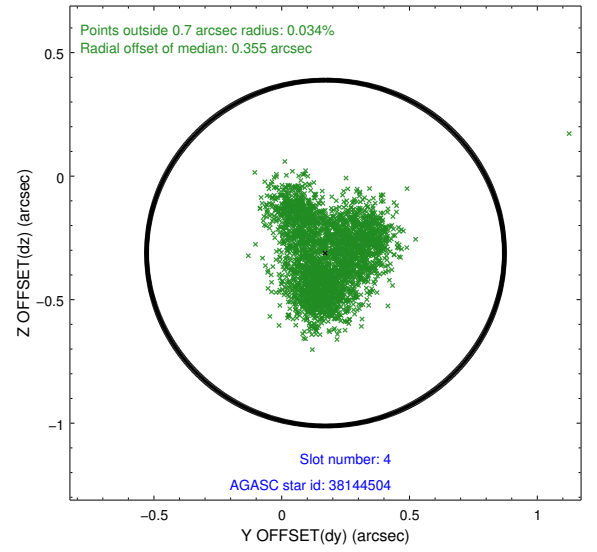
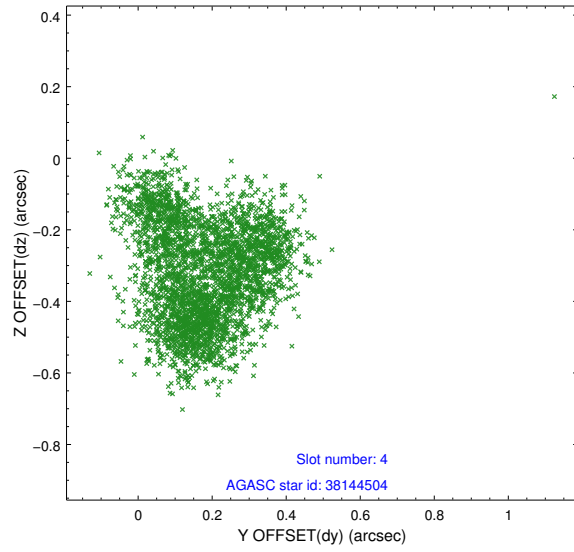
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1487	-0.002	-0.039	0.007	0.011	0.000000	0.000000	-760.83	-1734.13
1	FID	ACIS-S-4	7.19	1487	0.084	0.012	0.006	0.011	0.000000	0.000000	2152.11	173.37
2	FID	ACIS-S-5	7.23	1487	-0.113	0.036	0.007	0.012	0.000000	0.000000	-1812.52	168.20
3	GUIDE	38143784	8.93	2962	0.188	-0.050	0.109	0.171	193.400187	0.111428	-719.98	1340.79
4	GUIDE	38144504	9.71	2971	0.171	-0.311	0.195	0.286	193.269844	0.333739	-218.14	2121.34
5	GUIDE	38144576	10.14	2967	-0.085	-0.115	0.224	0.361	193.443543	0.353976	129.00	1595.47
6	GUIDE	38146984	9.85	2972	-0.175	0.212	0.152	0.248	194.584711	0.324573	1887.53	-2118.58
7	GUIDE	38151360	10.06	2958	-0.095	0.282	0.141	0.234	194.503938	0.389551	1965.88	-1754.76

## 2.4 Star Slots

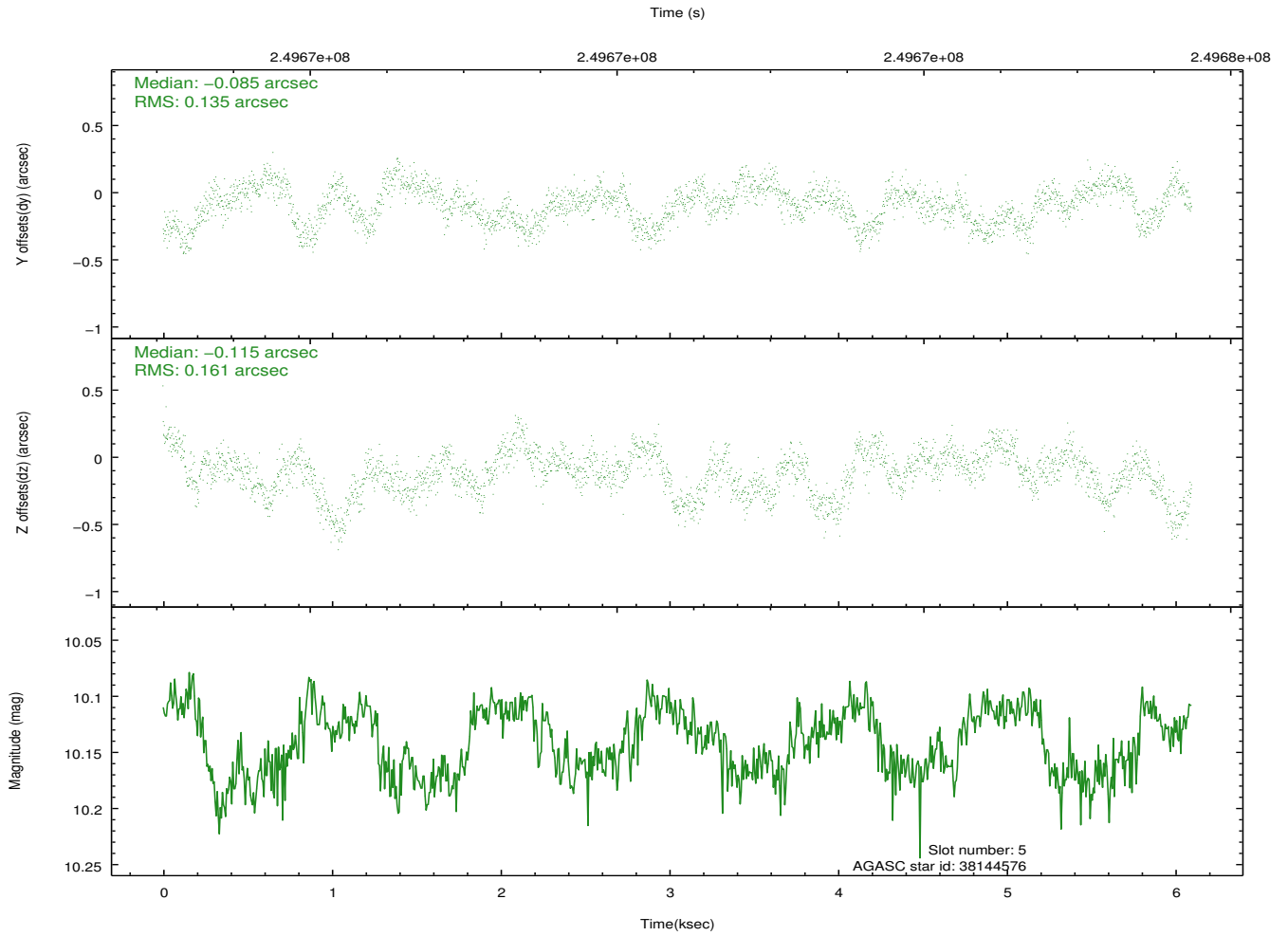
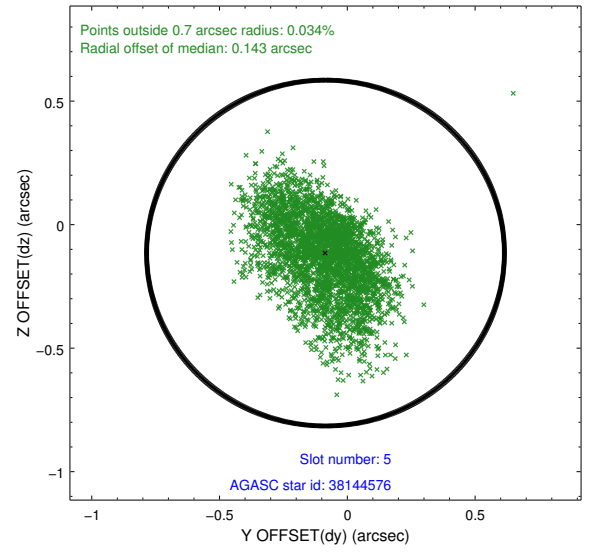
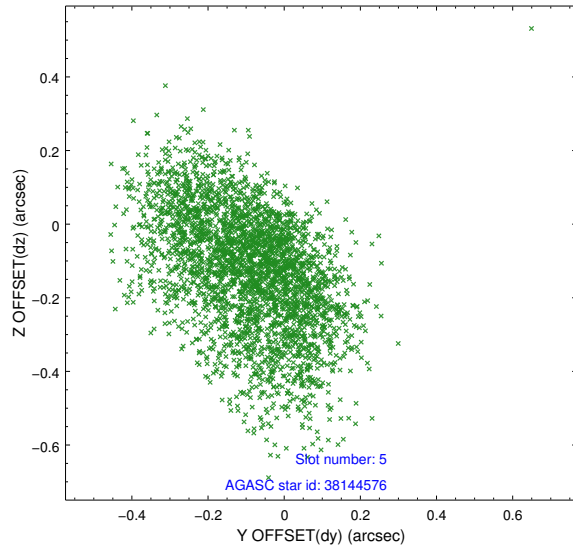
### 2.4.1 Slot 3



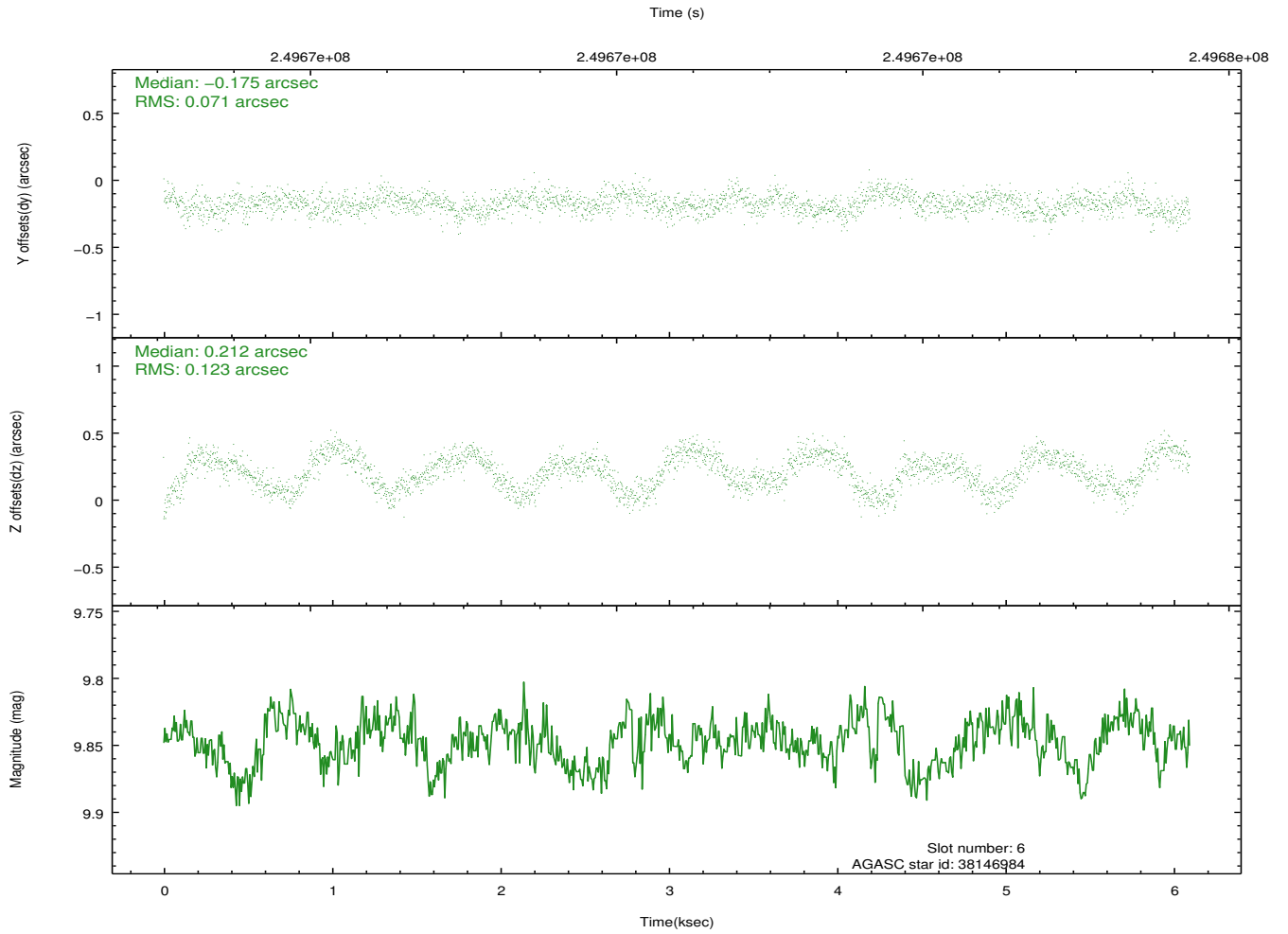
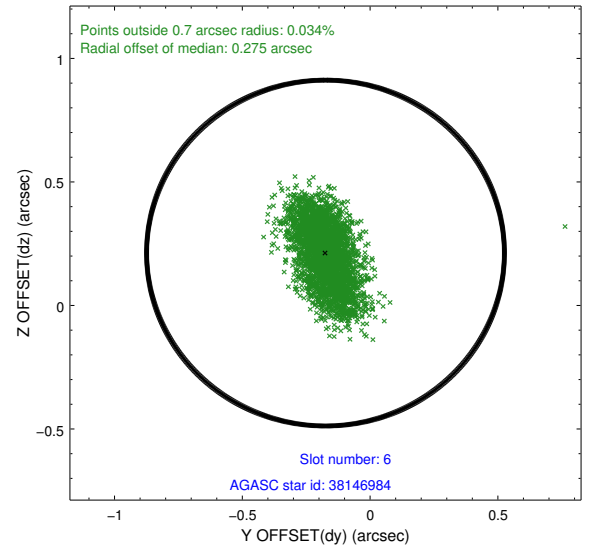
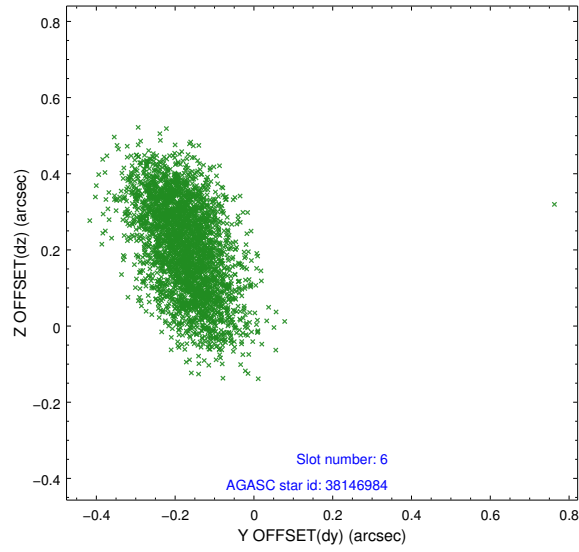
## 2.4.2 Slot 4



### 2.4.3 Slot 5

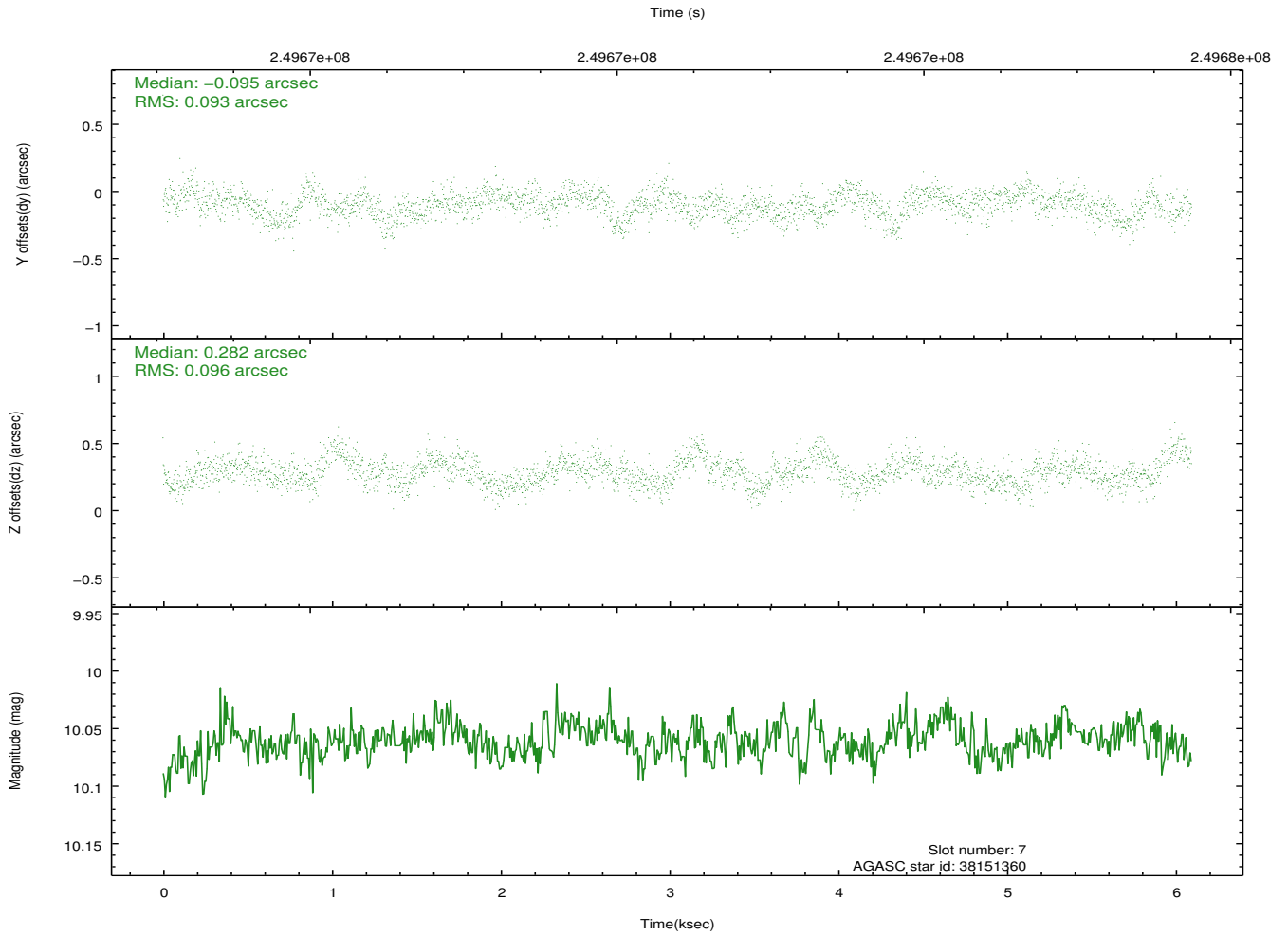
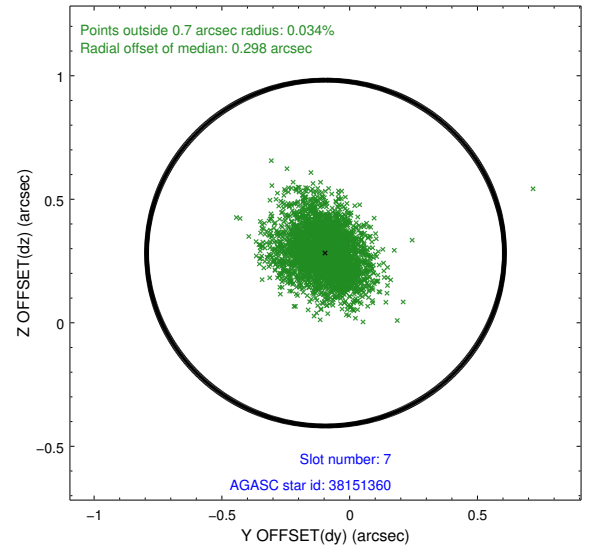
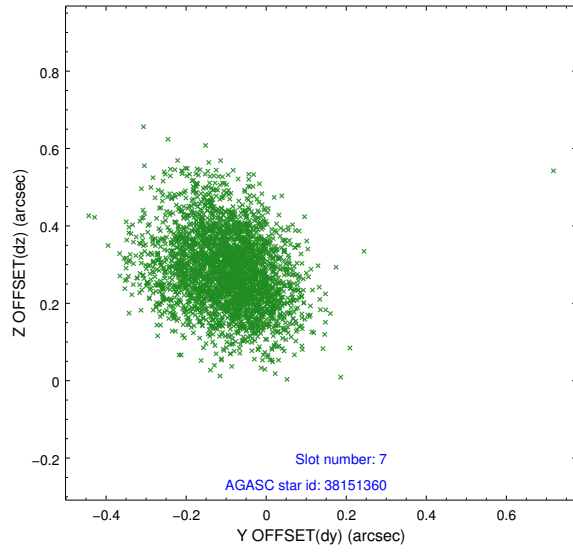


## 2.4.4 Slot 6



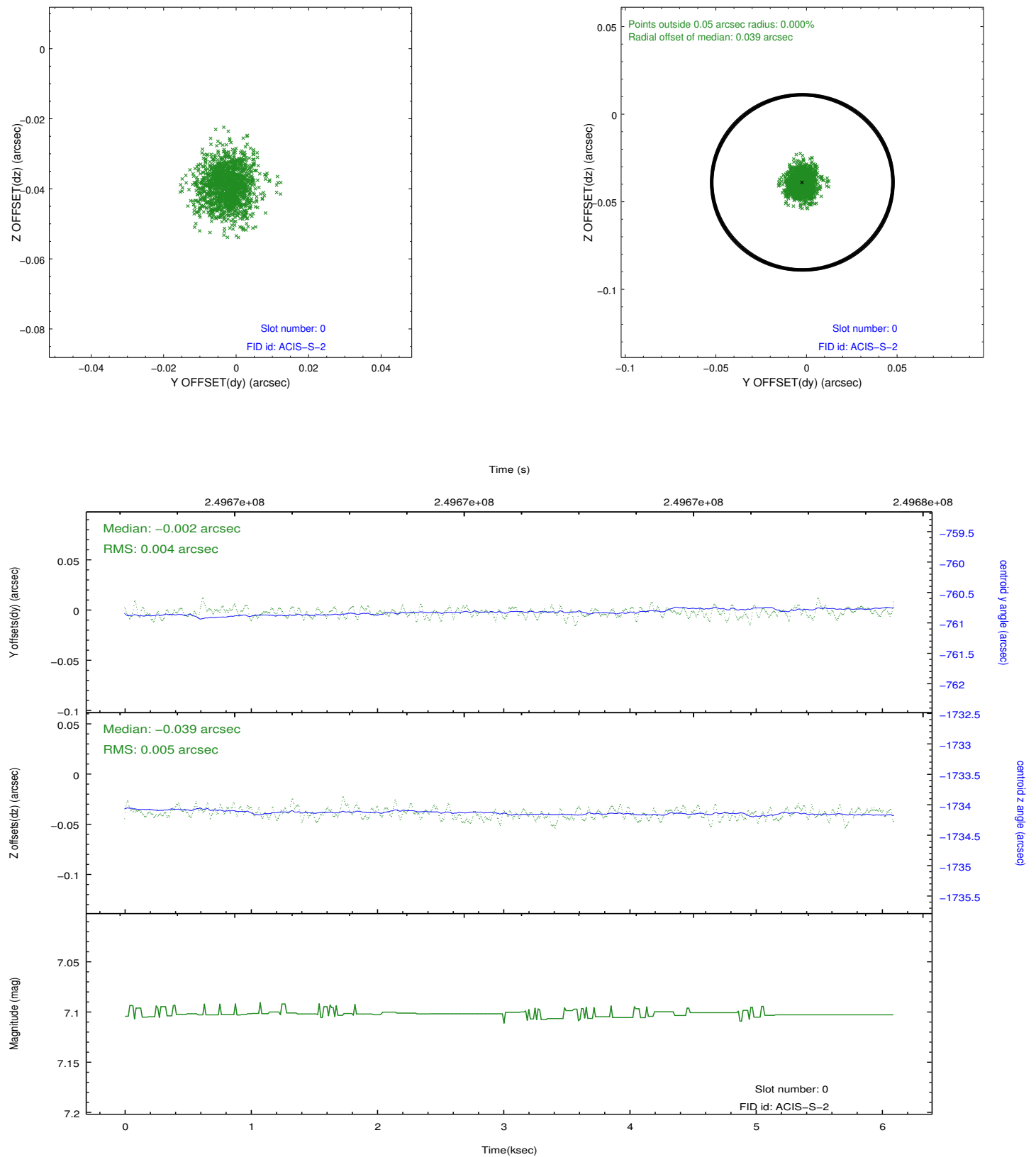


### 2.4.5 Slot 7

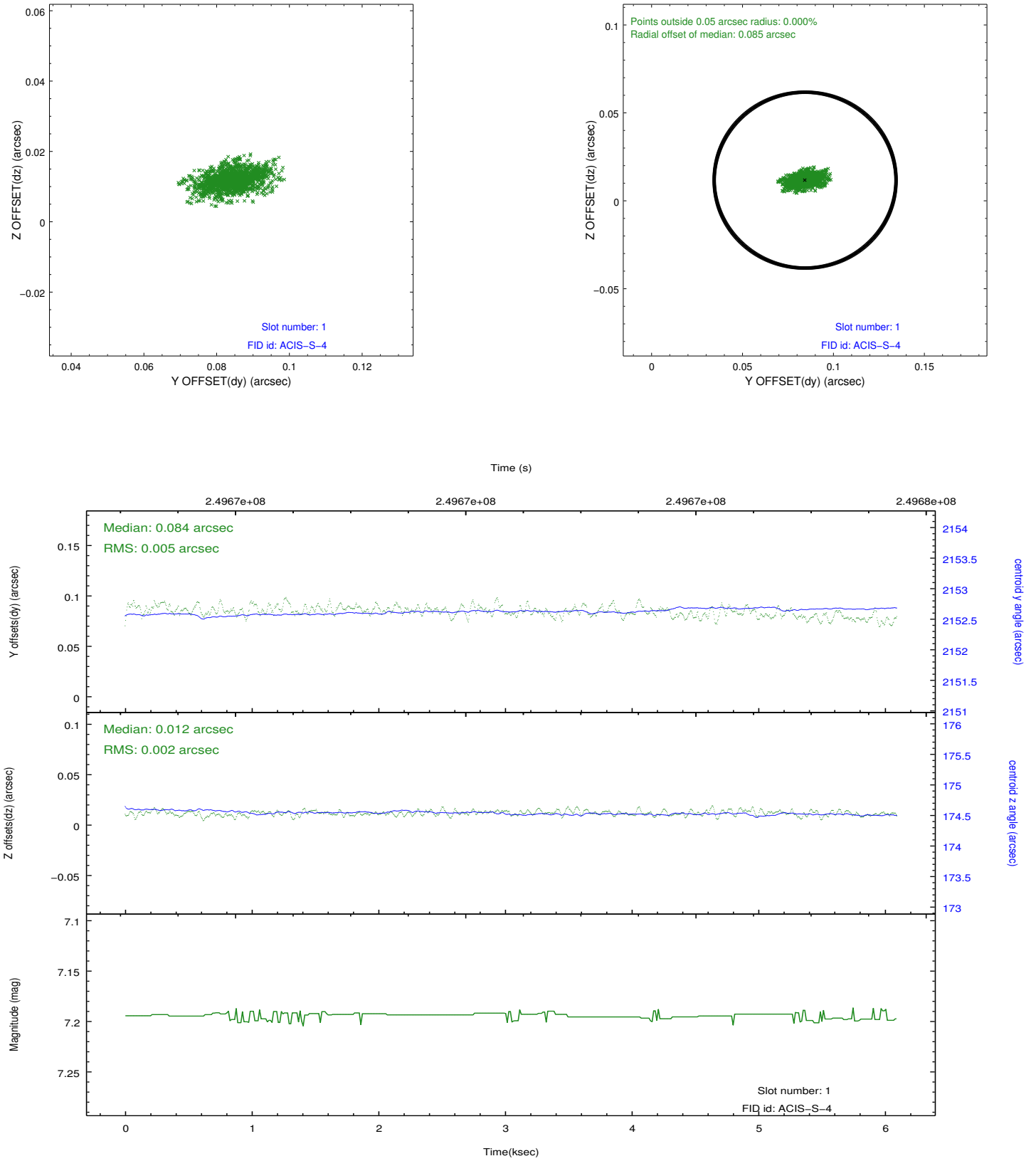


## 2.5 FID Slots

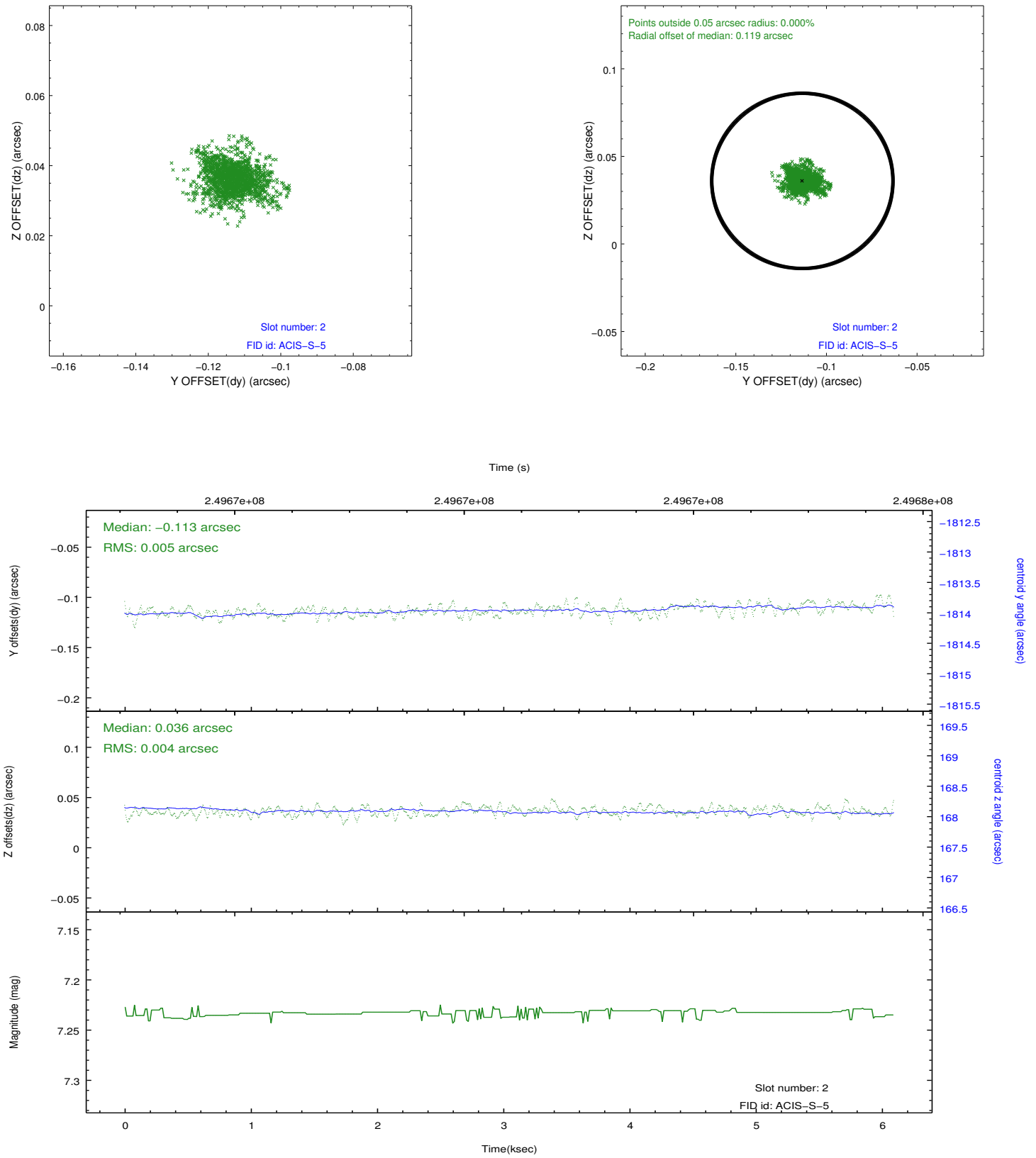
### 2.5.1 Slot 0



## 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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.793599

### A.2 Comments