

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1913 - L2 Version 3  
Chandra X-Ray Center

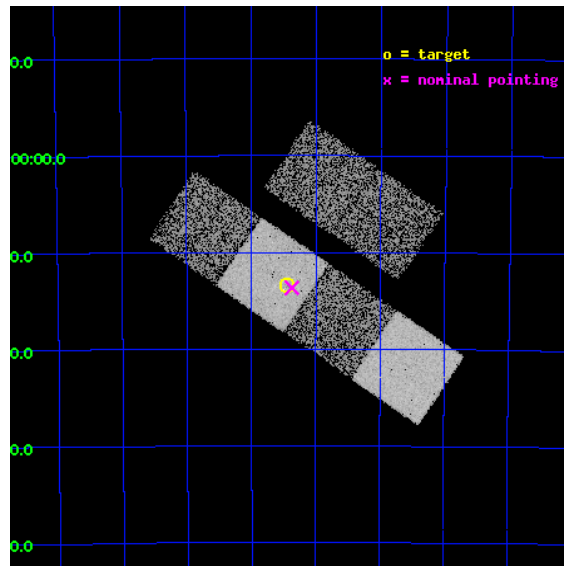
L2 Processing Date : Sep 23 2012

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# 1 Front

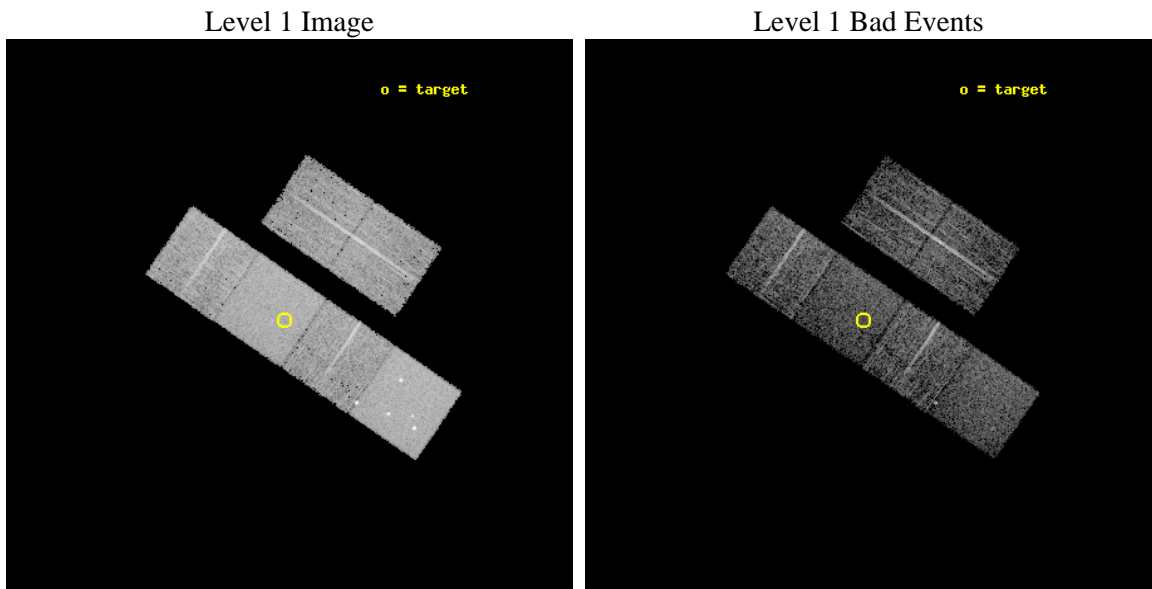
seq_num	400126	Sequence number
obs_id	1913	Observation id
title	X-RAY BURSTERS WITH LOW PERSISTENT X-RAY LUMINOSITIES	Proposal tit
observer	PROF FRANK VERBUNT	Principal investigator
object	SAX J1324.5-6313	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.1125	Observer's specified target RA [deg]
dec_targ	-63.223889	Observer's specified target Dec [deg]
ra_nom	201.09271728102	Nominal RA [deg]
dec_nom	-63.227878611135	Nominal Dec [deg]
roll_nom	214.25784903186	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5097.6000047326	Sum of GTIs [s]
livetime	5033.0511240665	Livetime [s]
ontime2	5097.6000047326	Sum of GTIs [s]
ontime3	5097.6000047326	Sum of GTIs [s]
ontime5	5097.6000047326	Sum of GTIs [s]
ontime6	5097.6000047326	Sum of GTIs [s]
ontime7	5097.6000047326	Sum of GTIs [s]
ontime8	5097.6000047326	Sum of GTIs [s]
l2events	67760	Number of level 2 events



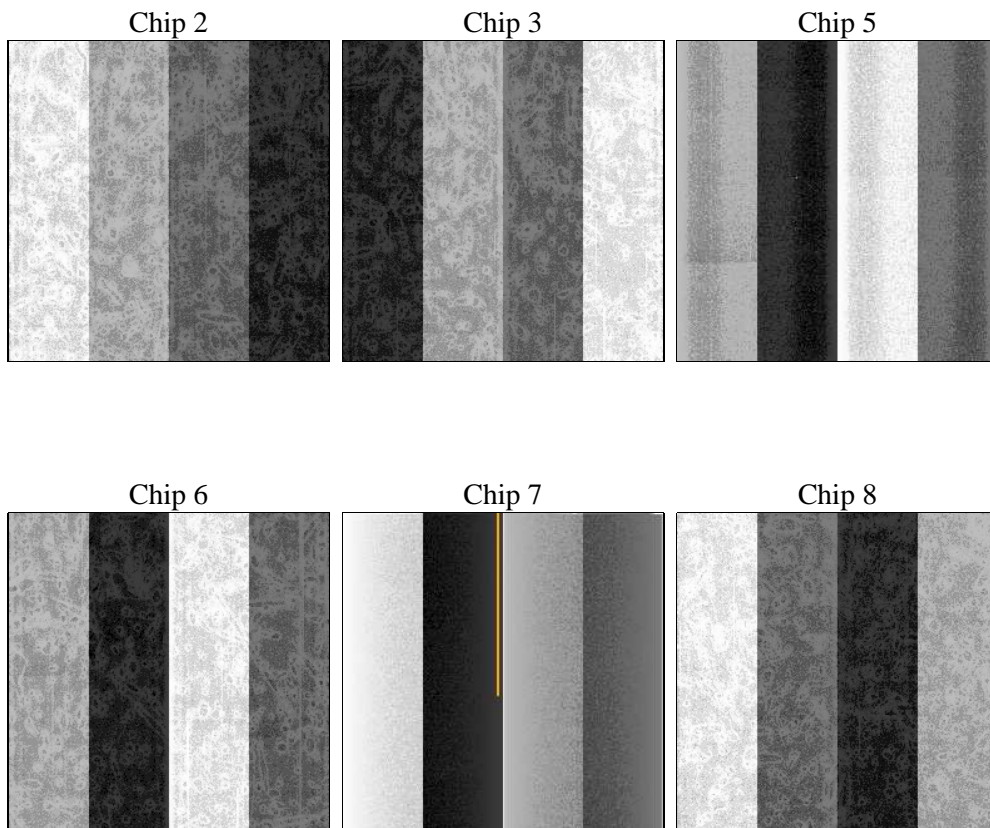
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5152.846000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5097.6000047326	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime2	5097.6000047326	Sum of GTIs [s]
date	2012-09-23T15:31:58	Date and time of file creation	ontime3	5097.6000047326	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5097.6000047326	Sum of GTIs [s]
			ontime6	5097.6000047326	Sum of GTIs [s]
			ontime7	5097.6000047326	Sum of GTIs [s]
			ontime8	5097.6000047326	Sum of GTIs [s]
			l1events	249514	Number of level 1 events

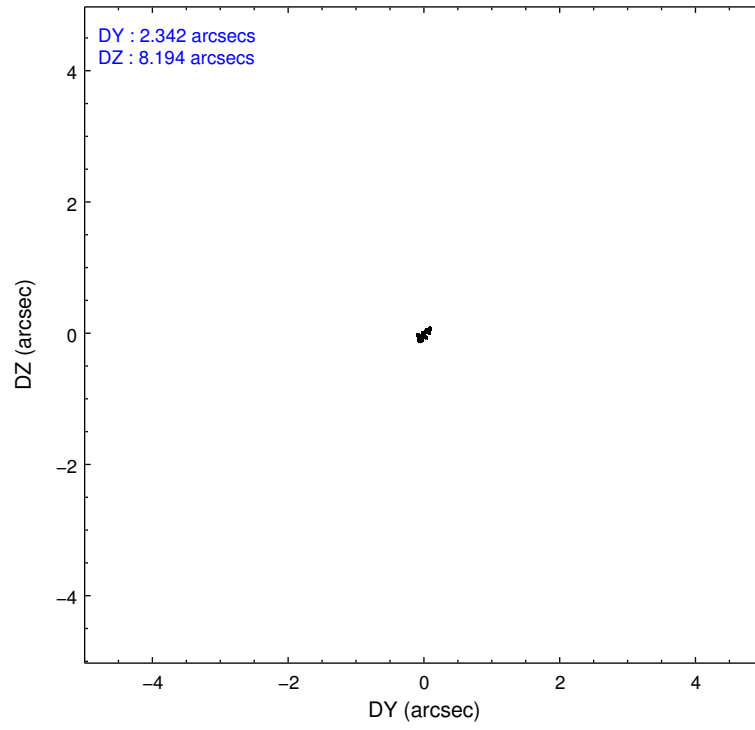
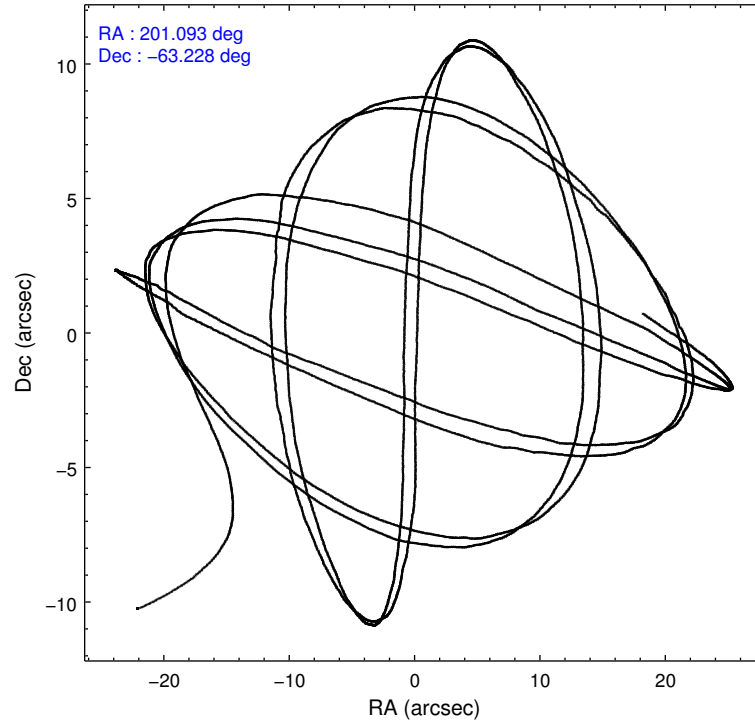
### 2.1.4 Events

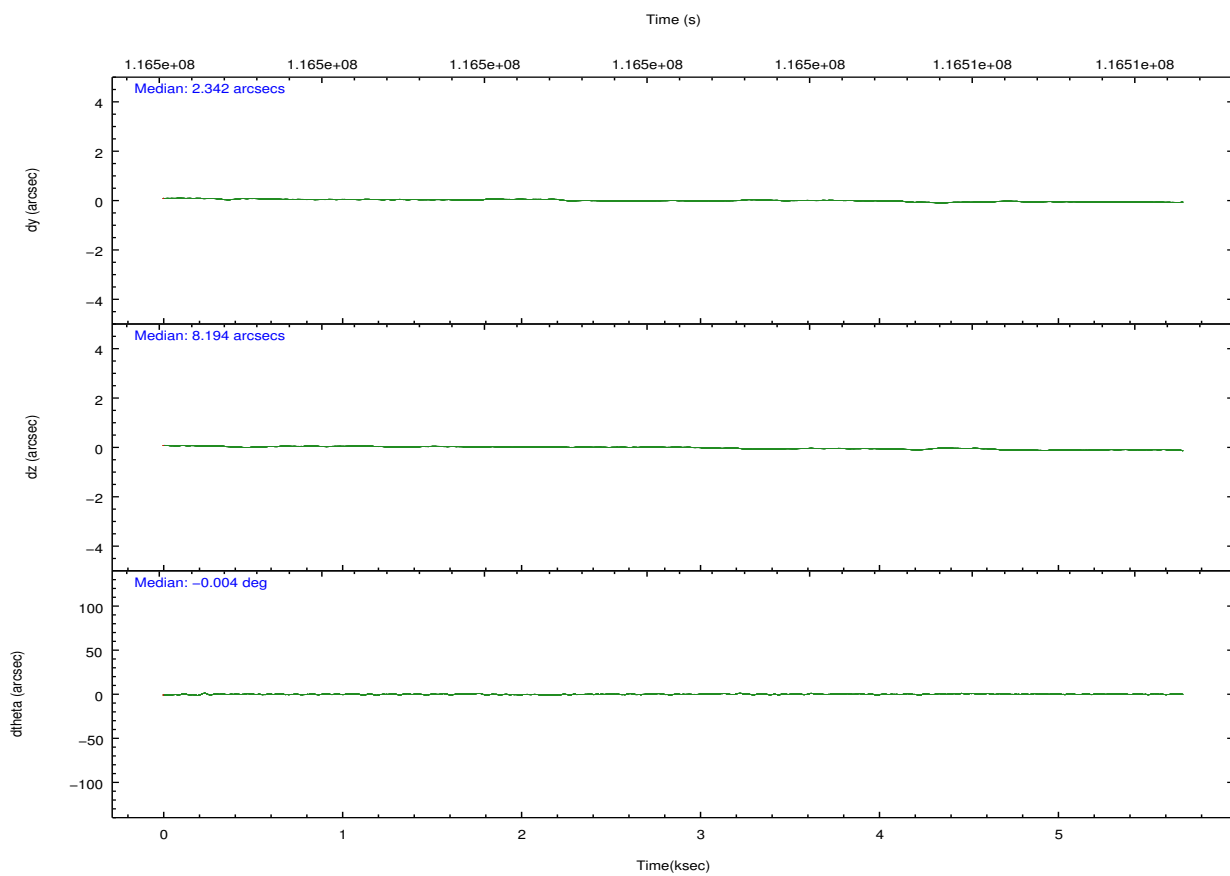
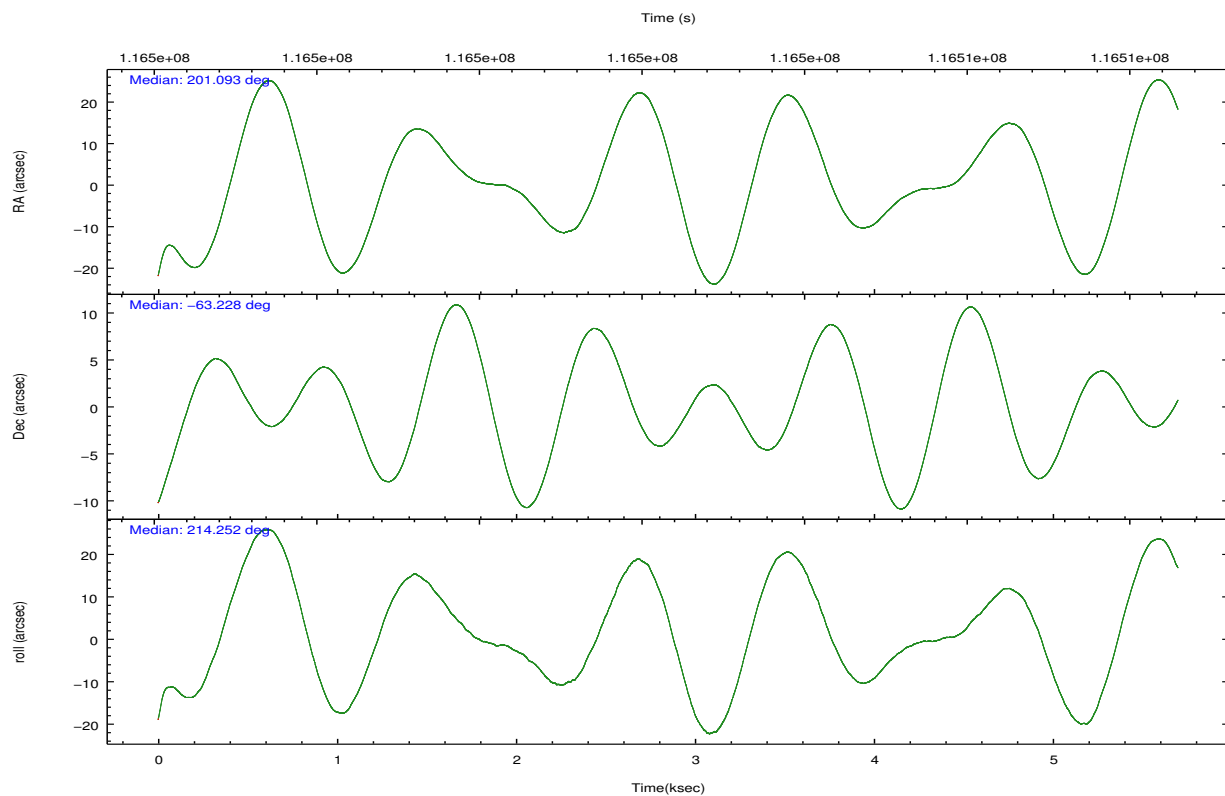
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34914	32164	56870	34537	49137	41892	grade 0 events	2194	2183	5644	2318	2914	3235
rejected events	30432	27764	26030	29759	24599	32836		6%	6%	9%	6%	5%	7%
rejected %	87%	86%	45%	86%	50%	78%	grade 1 events	16	18	191	13	40	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	874	768	8439	887	4829	1832
								2%	2%	14%	2%	9%	4%
							grade 3 events	357	389	1627	400	2245	965
								1%	1%	2%	1%	4%	2%
							grade 4 events	408	385	1672	420	2238	871
								1%	1%	2%	1%	4%	2%
							grade 5 events	1126	1187	3778	1382	4081	1866
								3%	3%	6%	4%	8%	4%
							grade 6 events	651	683	13489	760	12345	2155
								1%	2%	23%	2%	25%	5%
							grade 7 events	29288	26551	22030	28357	20445	30940
								83%	82%	38%	82%	41%	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	201.118398	201.0927172810167	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.203155	-63.22787861113493	Alternating exposures requested	N	N
[deg] Pointing Roll	214.124155	214.2578490318564	[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)	116501856.184000	116500721.5367			
Observation start date	2001-09-10T09:36:32	2001-09-10T09:18:41			
[s] Observation end time (MET)	116507009.184000	116507323.56196			
Observation end date	2001-09-10T11:02:25	2001-09-10T11:08:43			
Read mode	TIMED	TIMED			

## 2.3 Aspect



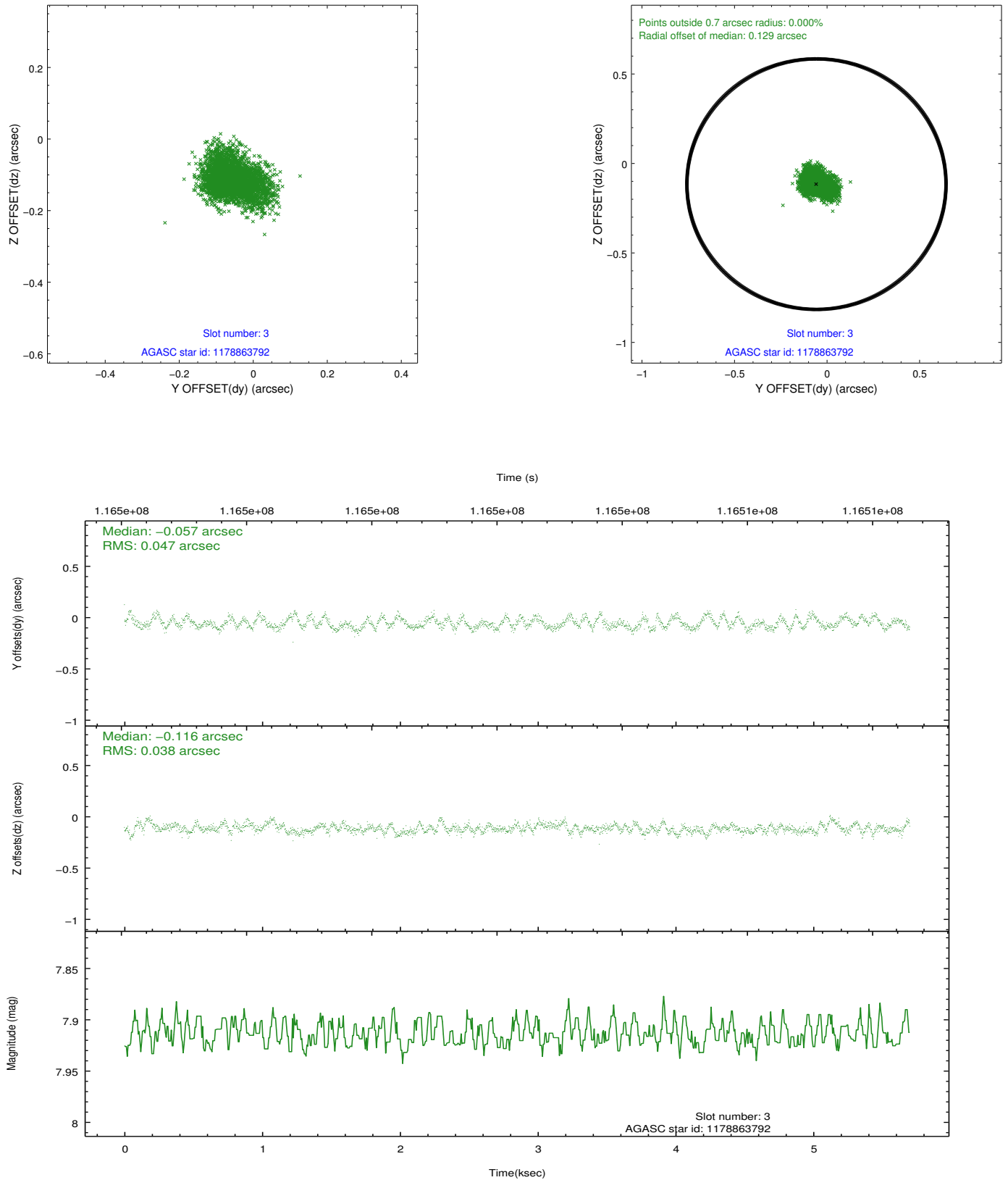


Slot Statistics

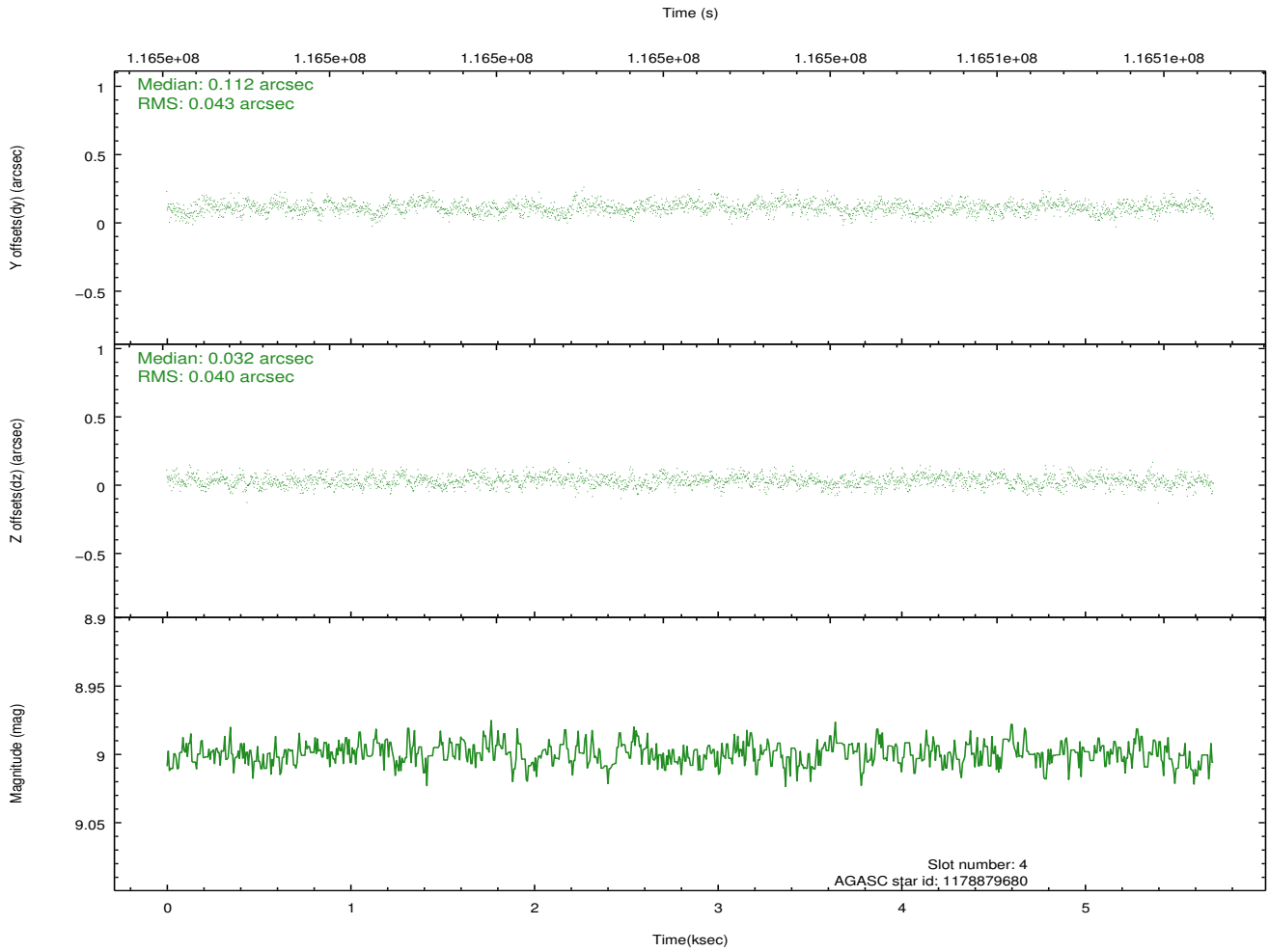
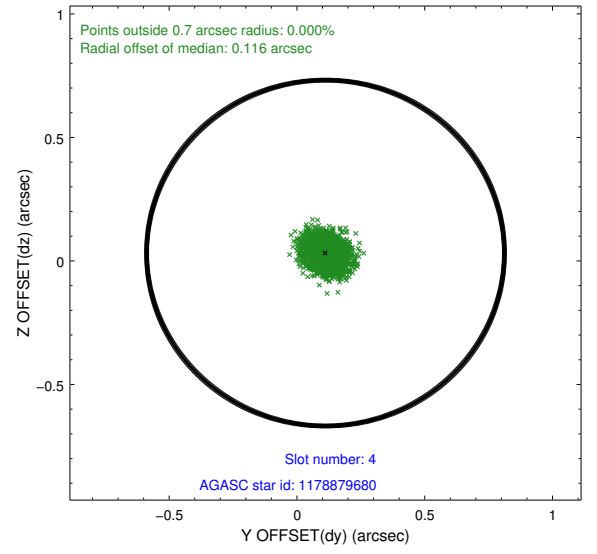
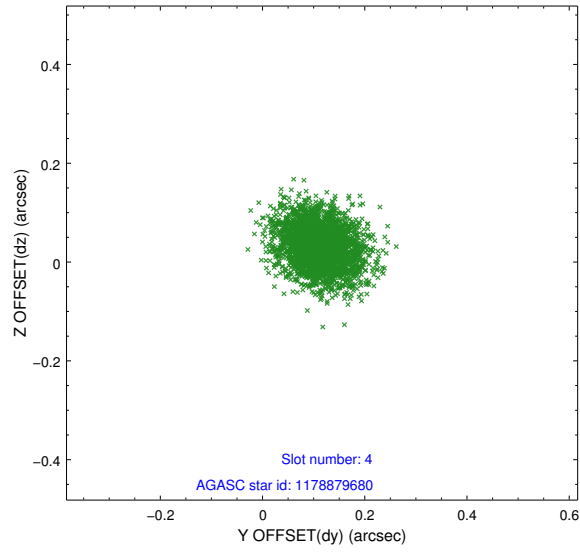
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1391	-0.011	-0.012	0.007	0.011	0.000000	0.000000	-754.99	-1729.38
1	FID	ACIS-S-4	7.19	1391	-0.055	0.009	0.006	0.010	0.000000	0.000000	2157.78	178.03
2	FID	ACIS-S-5	7.23	1390	0.035	0.013	0.007	0.012	0.000000	0.000000	-1806.43	172.91
3	GUIDE	1178863792	7.91	2780	-0.057	-0.116	0.065	0.104	200.297104	-62.908227	525.42	-1627.29
4	GUIDE	1178879680	9.00	2777	0.112	0.032	0.063	0.102	200.102028	-63.221800	1411.41	-858.85
5	GUIDE	1178893960	9.04	2779	0.046	-0.024	0.062	0.097	200.420317	-63.658914	1848.88	737.54
6	GUIDE	1179031368	9.59	2781	-0.020	0.046	0.096	0.154	202.097156	-63.583995	-519.96	2024.42
7	GUIDE	1179016008	9.31	2779	-0.080	0.058	0.111	0.176	202.956402	-63.374948	-2082.83	2210.98

## 2.4 Star Slots

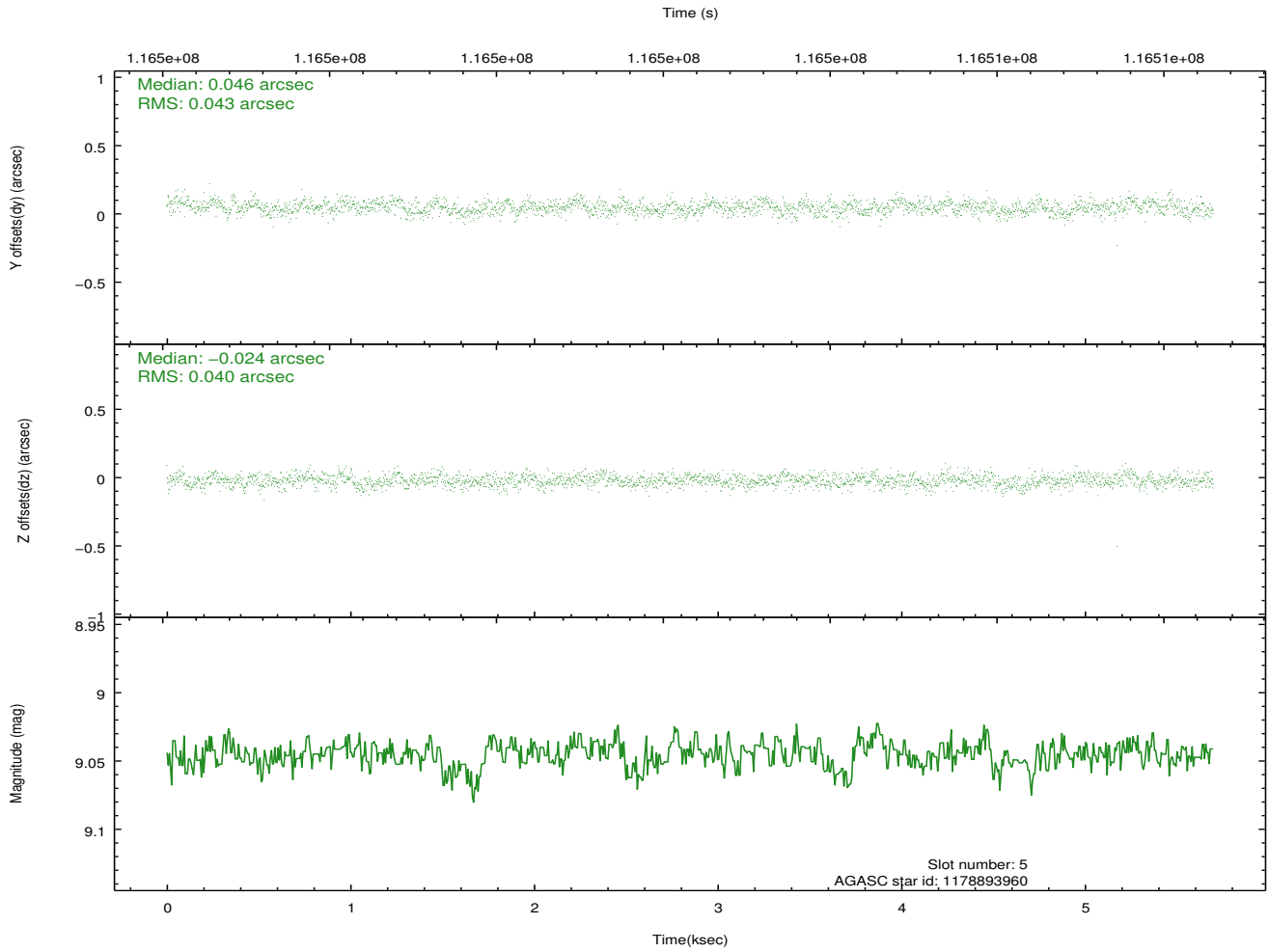
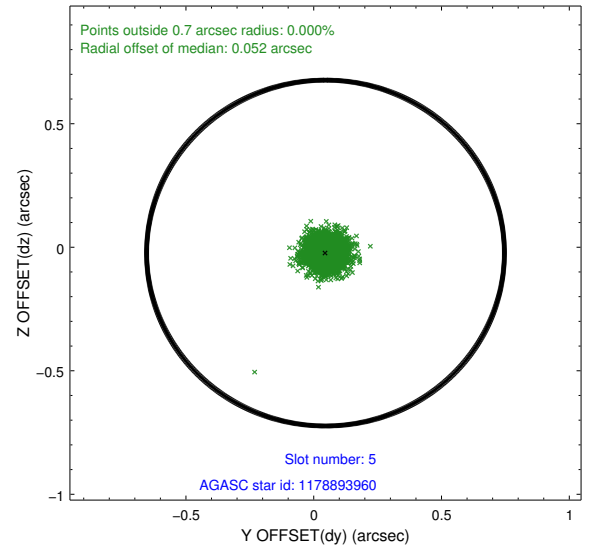
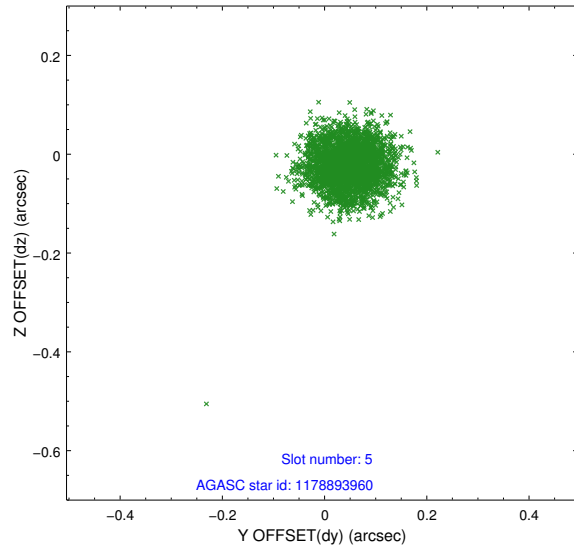
### 2.4.1 Slot 3



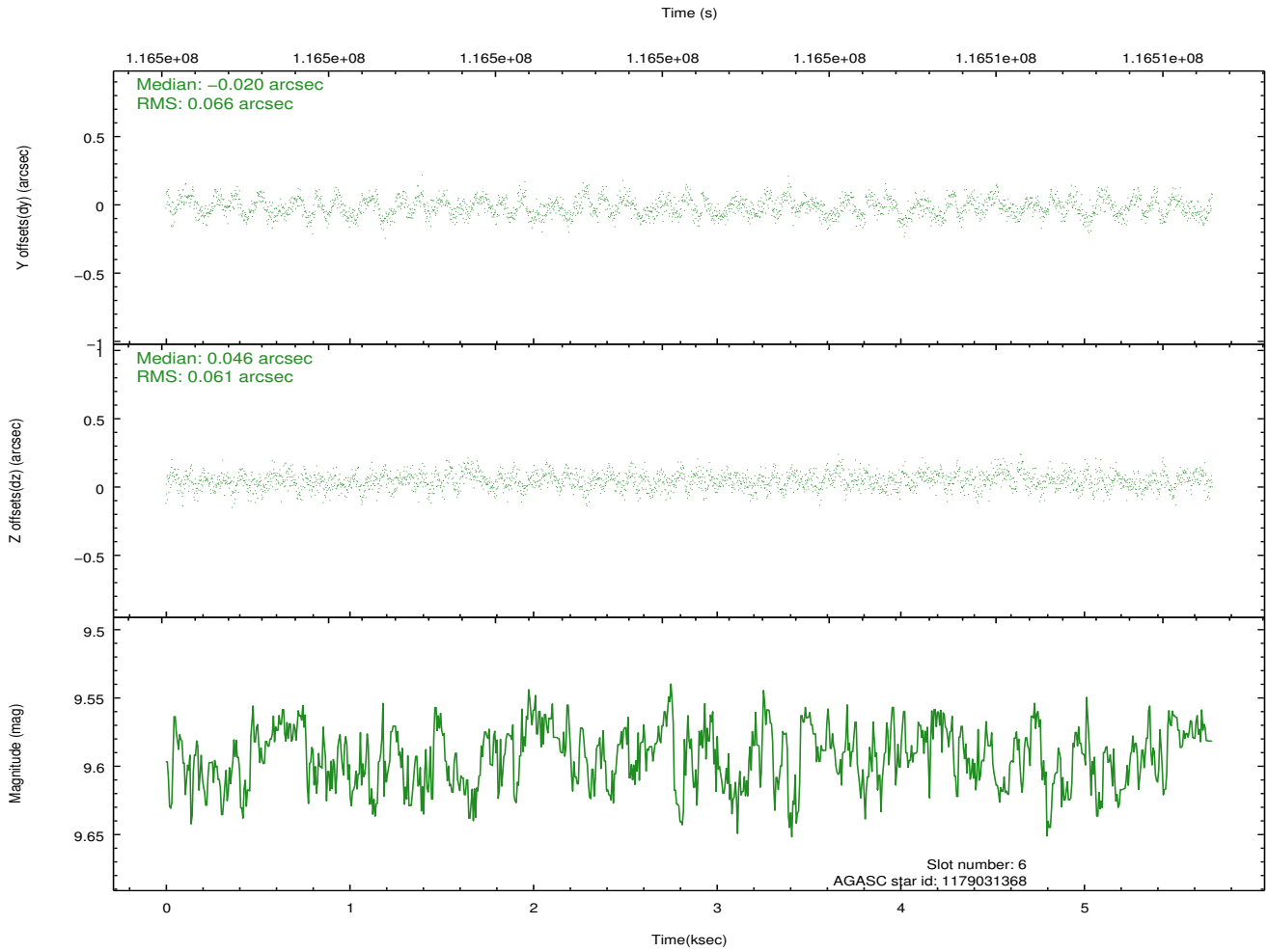
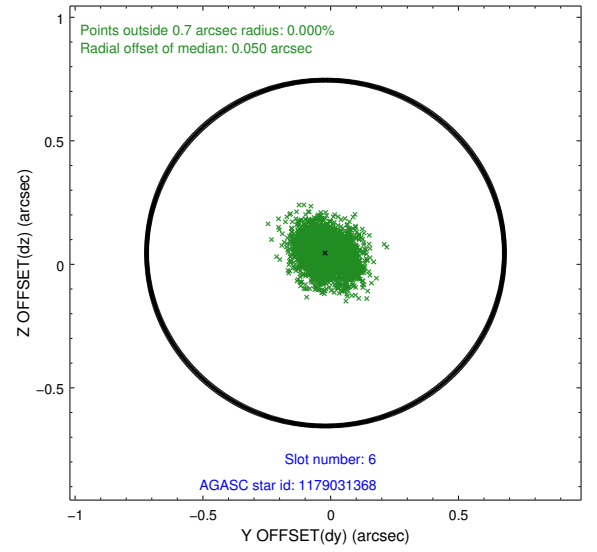
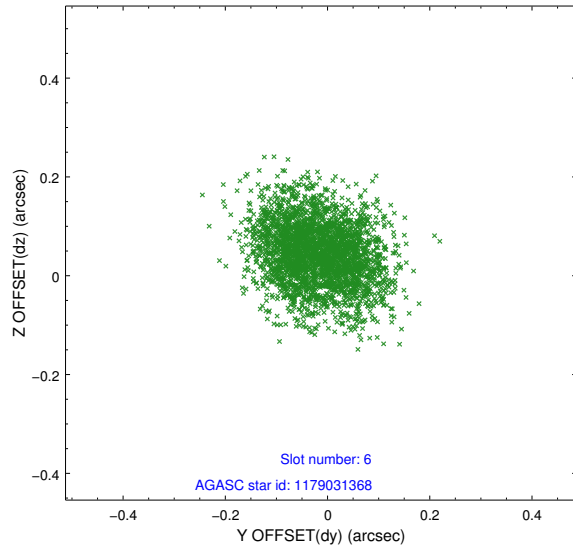
## 2.4.2 Slot 4



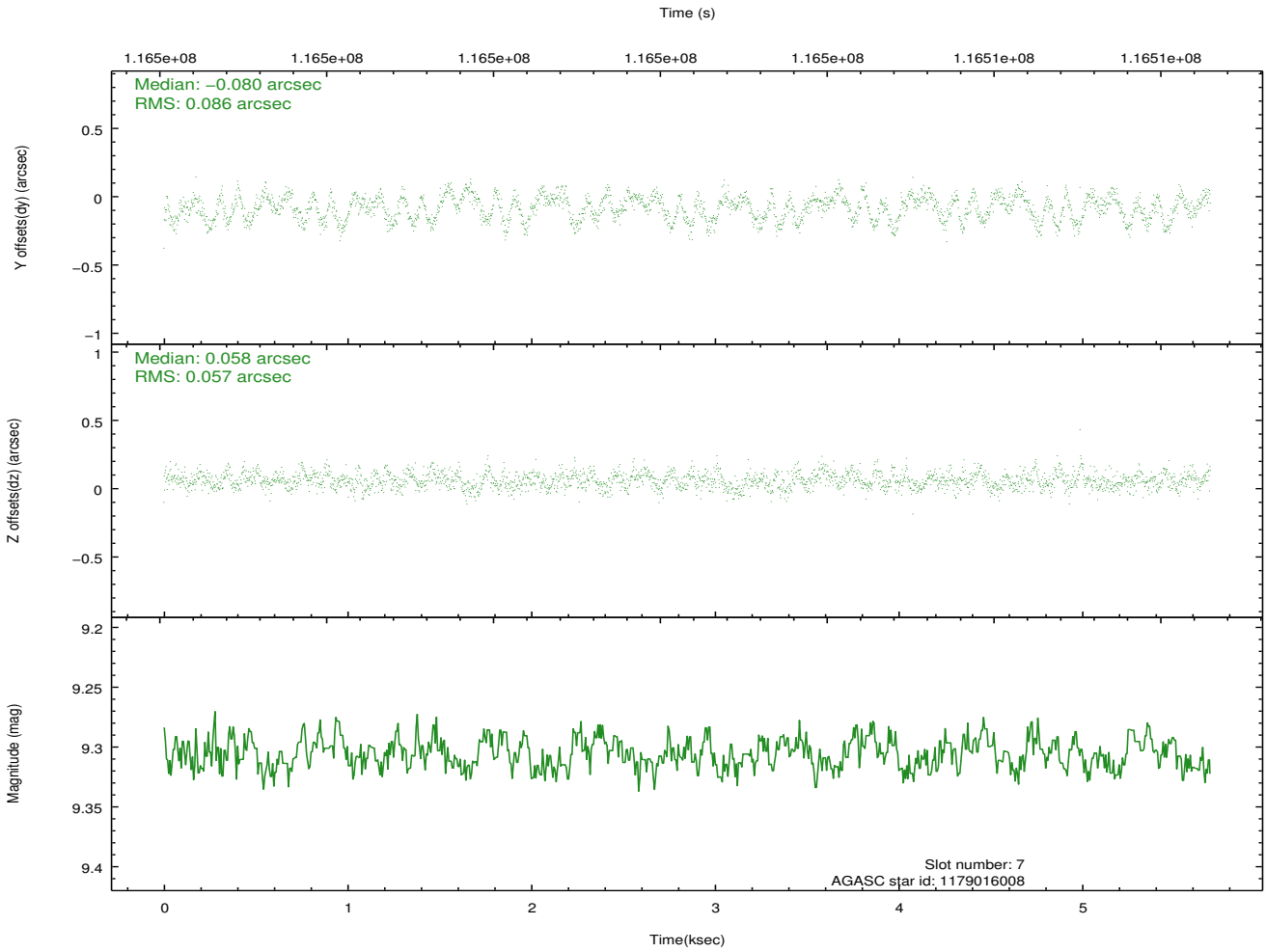
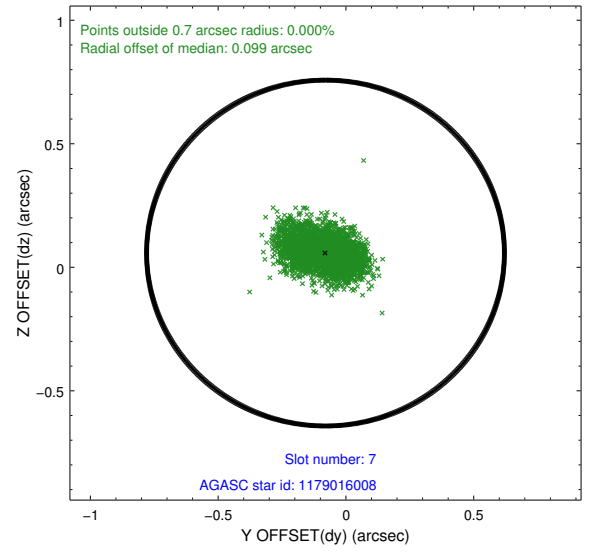
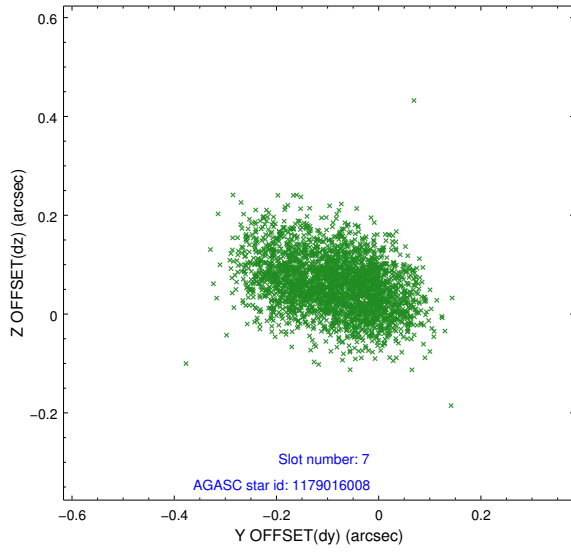
### 2.4.3 Slot 5



## 2.4.4 Slot 6

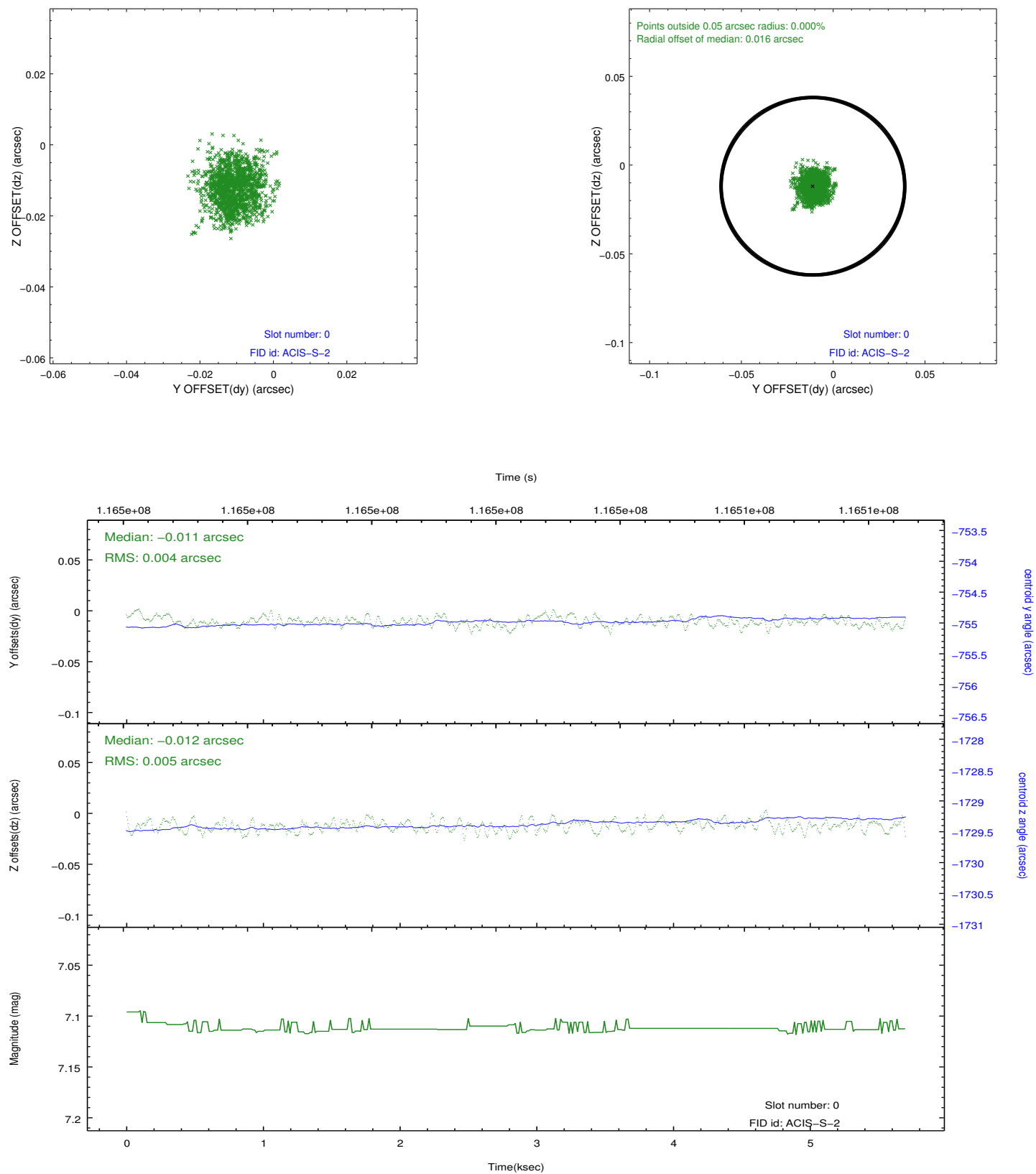


## 2.4.5 Slot 7

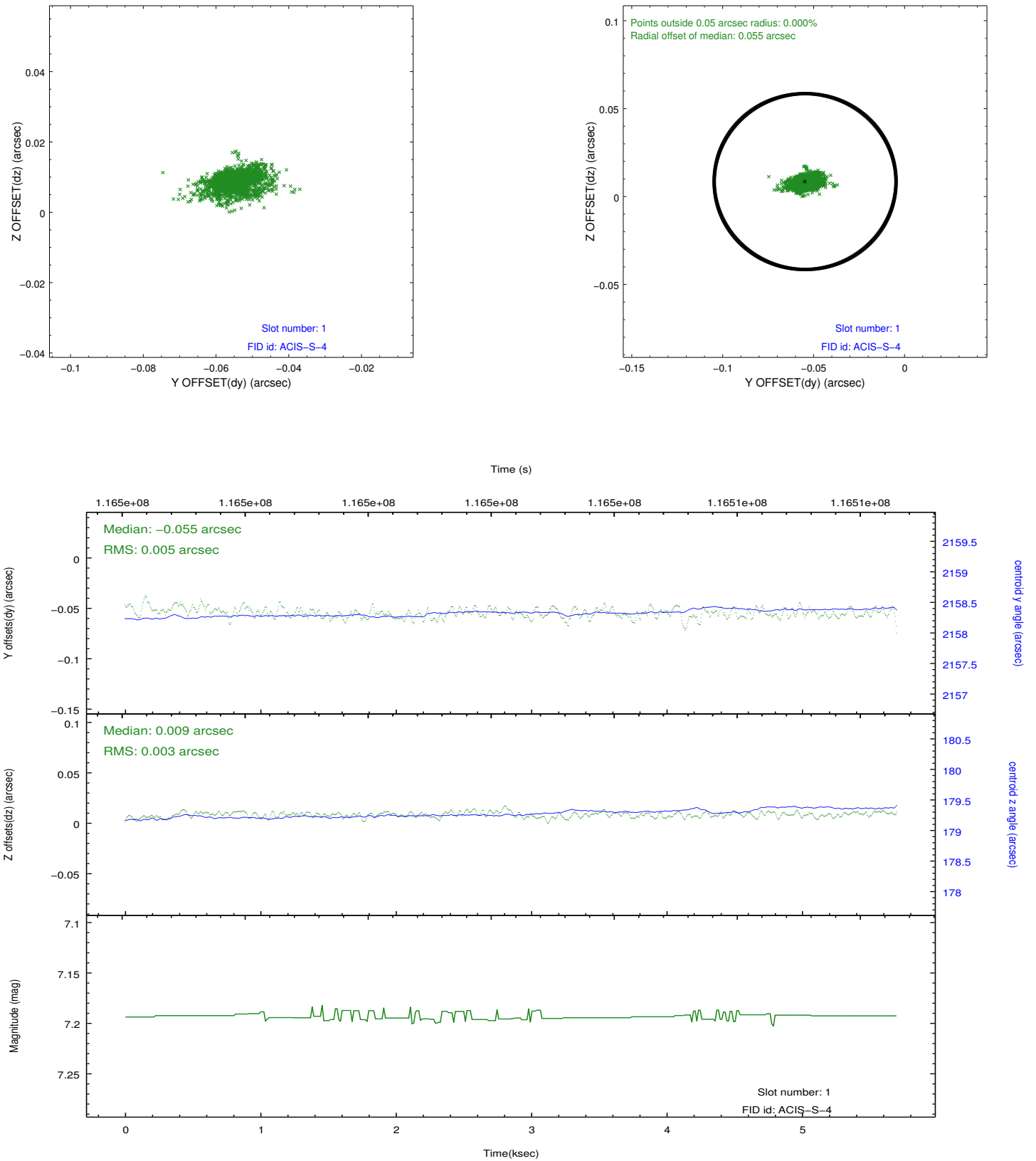


## 2.5 FID Slots

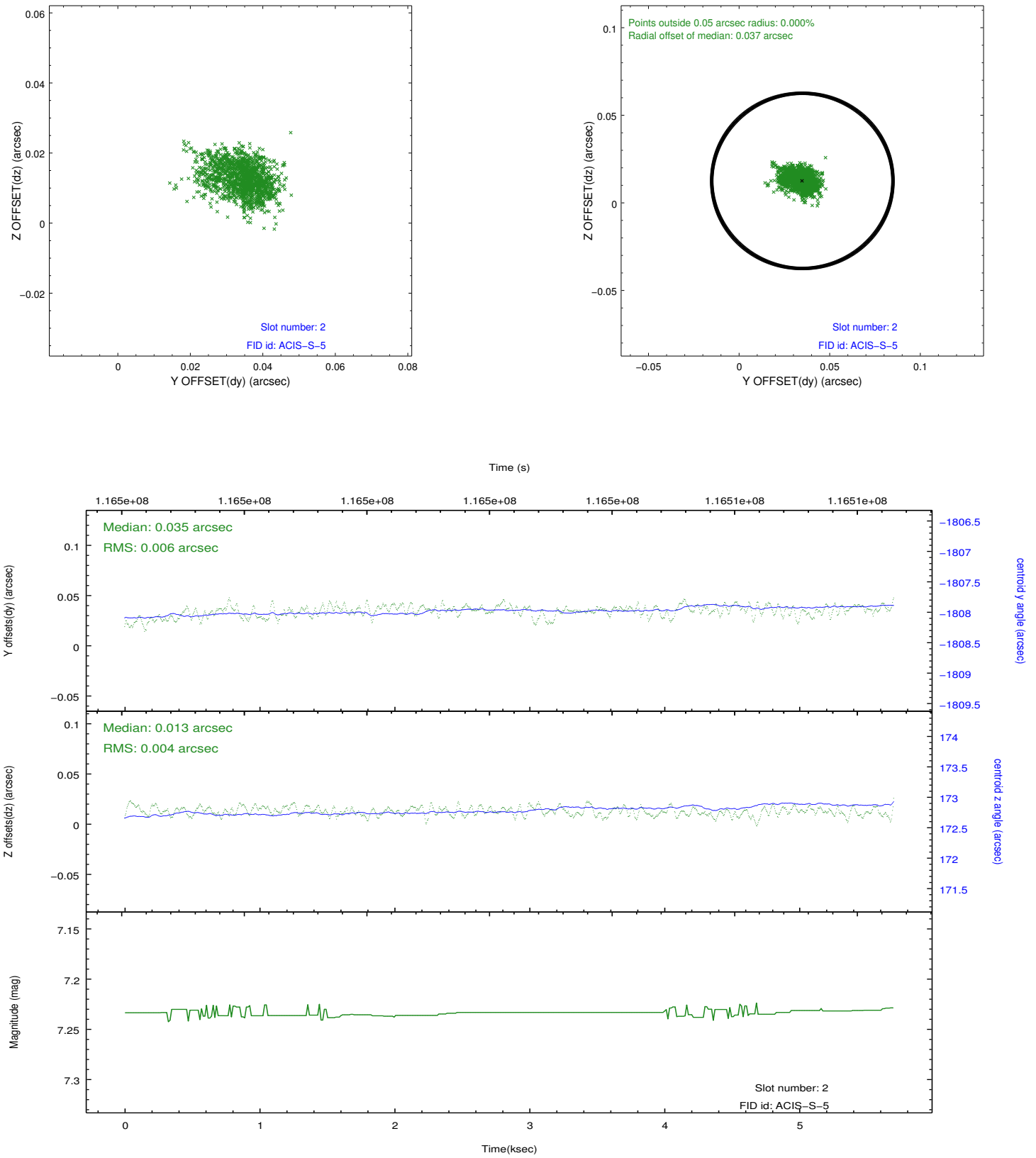
### 2.5.1 Slot 0



## 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	5.1

### A.2 Comments