

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2763 - L2 Version 3  
Chandra X-Ray Center

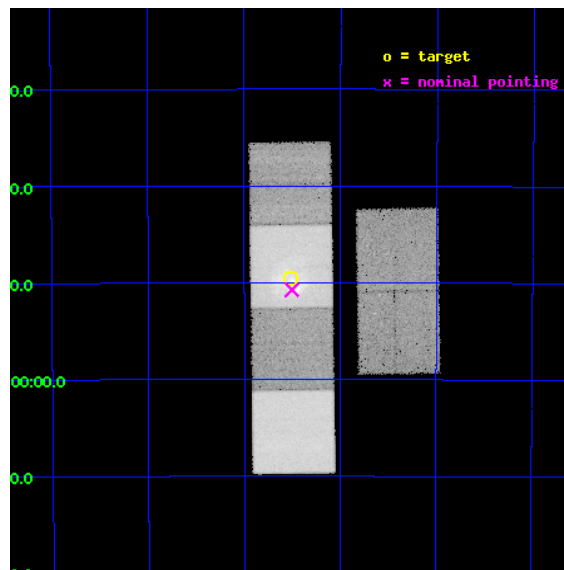
L2 Processing Date : Oct 14 2012

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# 1 Front

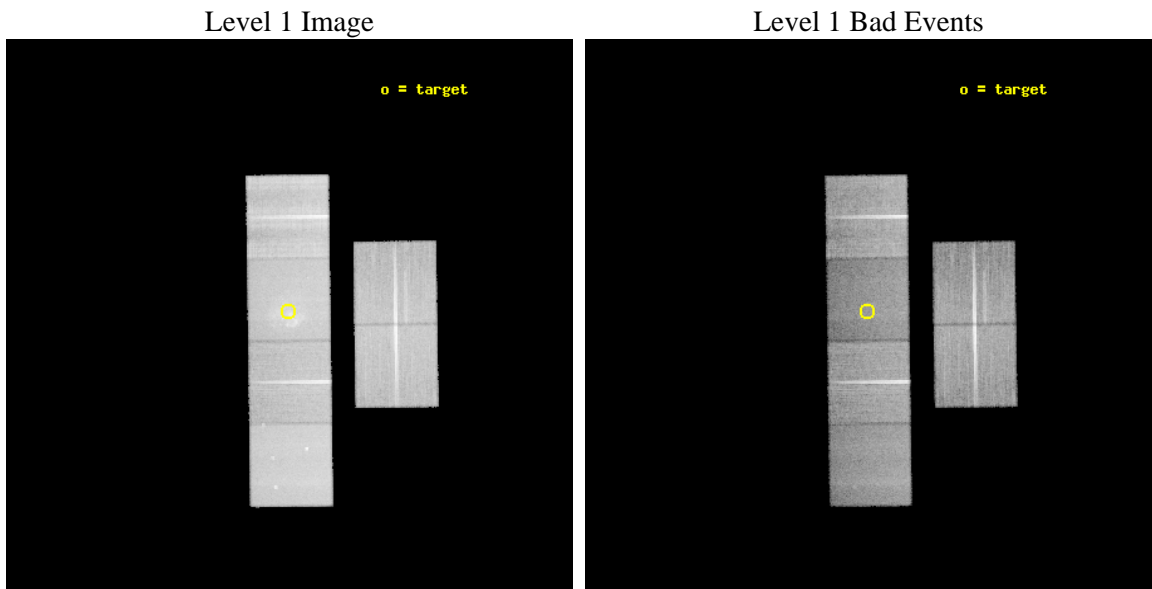
seq_num	500213	Sequence number
obs_id	2763	Observation id
title	YOUNG EJECTA-DOMINATED GALACTIC SUPERNOVA REMNANTS	Proposal title
observer	Dr Cara Rakowski	Principal investigator
object	G337.2 - 0.7	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.879167	Observer's specified target RA [deg]
dec_targ	-47.825	Observer's specified target Dec [deg]
ra_nom	249.87616050861	Nominal RA [deg]
dec_nom	-47.845680772152	Nominal Dec [deg]
roll_nom	269.19747815543	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49462.399815738	Sum of GTIs [s]
livetime	48836.07712659	Livetime [s]
ontime2	49459.158845454	Sum of GTIs [s]
ontime3	49449.43595466	Sum of GTIs [s]
ontime5	49462.399815738	Sum of GTIs [s]
ontime6	49462.399815738	Sum of GTIs [s]
ontime7	49462.399815738	Sum of GTIs [s]
ontime8	49459.158825547	Sum of GTIs [s]
l2events	468002	Number of level 2 events



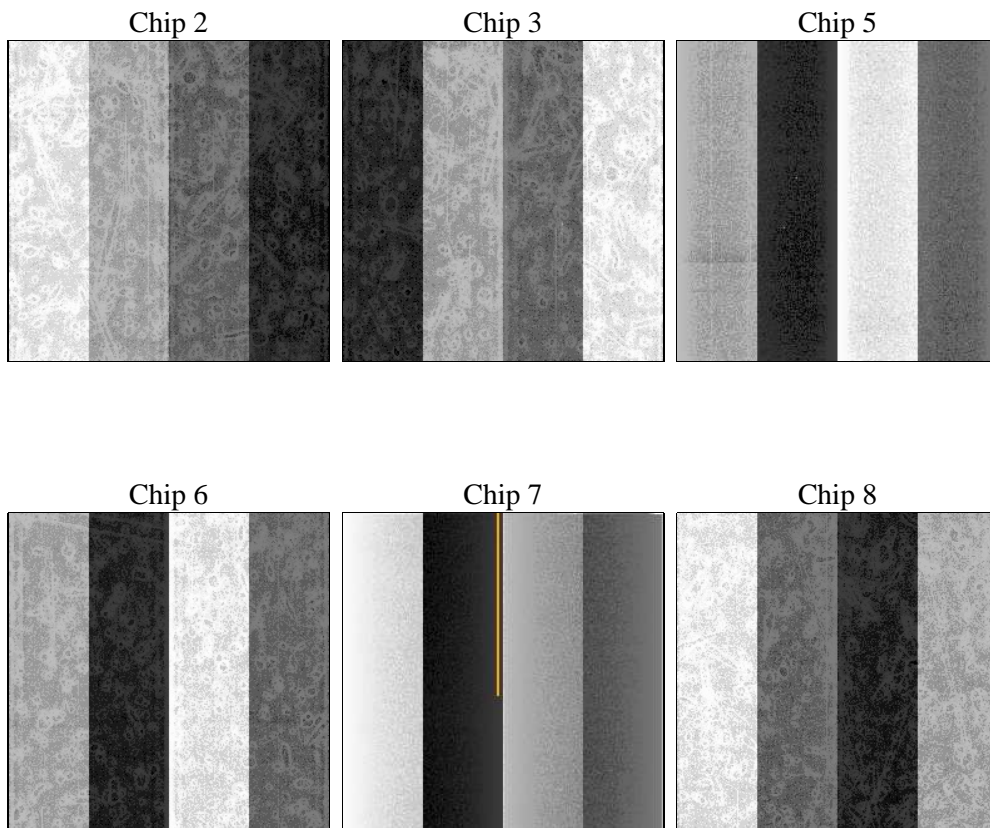
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	49500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49462.399815738	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime2	49459.158845454	Sum of GTIs [s]
date	2012-10-14T02:16:15	Date and time of file creation	ontime3	49449.43595466	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	49462.399815738	Sum of GTIs [s]
			ontime6	49462.399815738	Sum of GTIs [s]
			ontime7	49462.399815738	Sum of GTIs [s]
			ontime8	49459.158825547	Sum of GTIs [s]
			l1events	1798399	Number of level 1 events

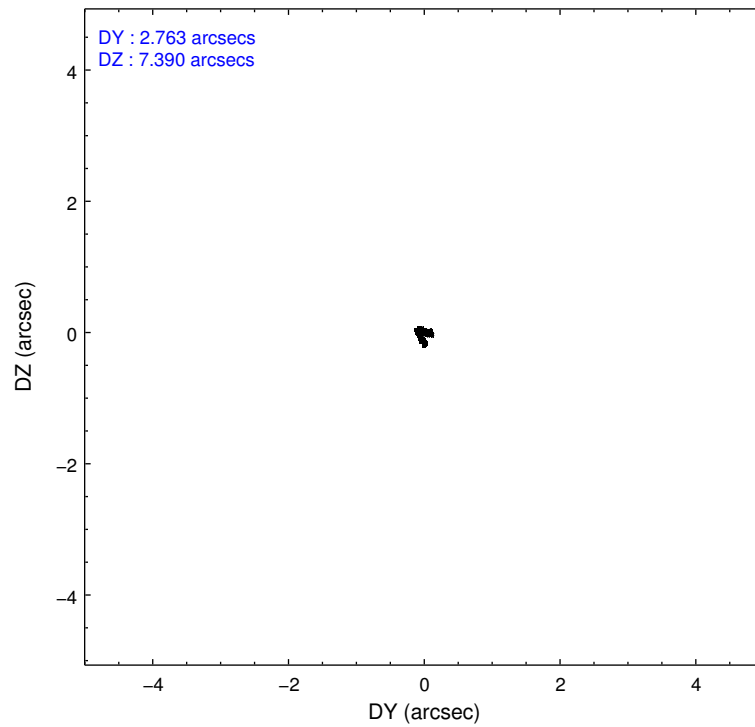
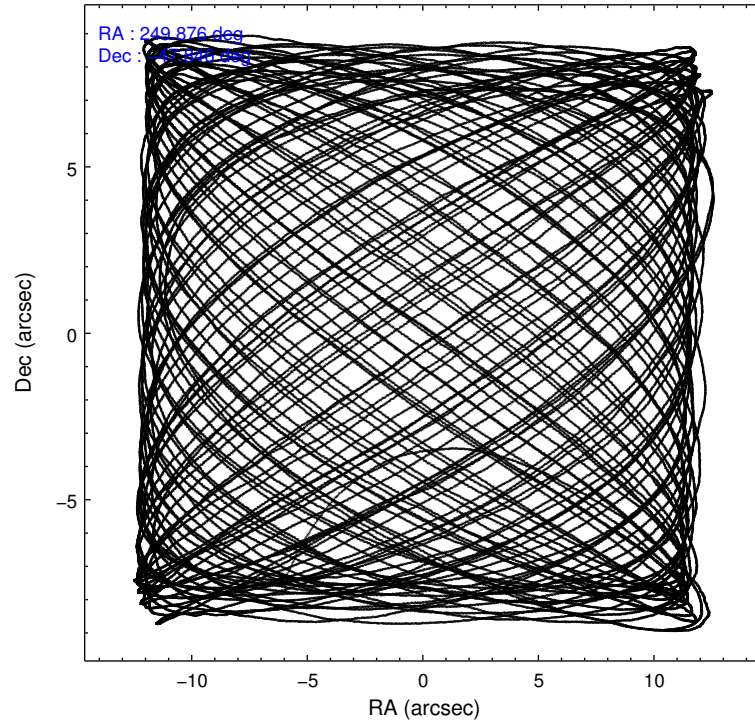
### 2.1.4 Events

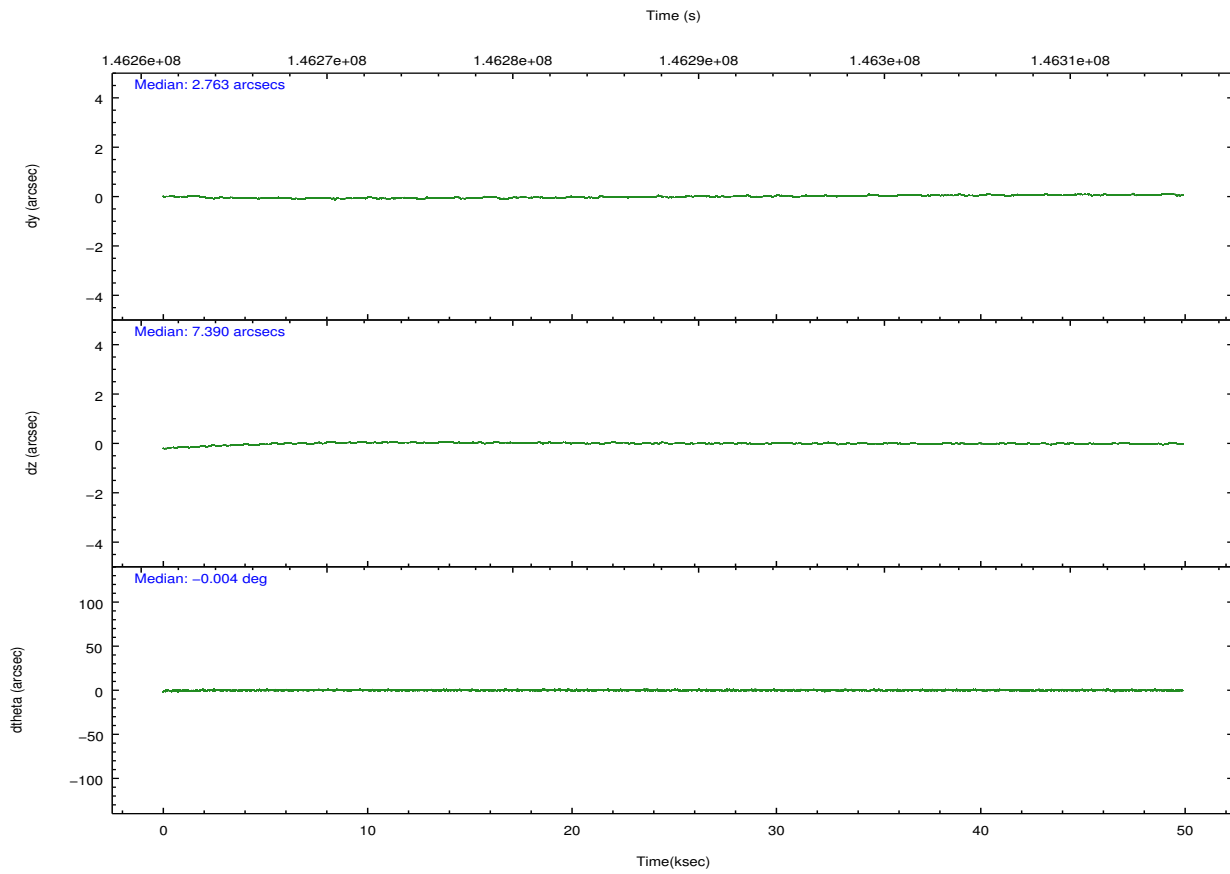
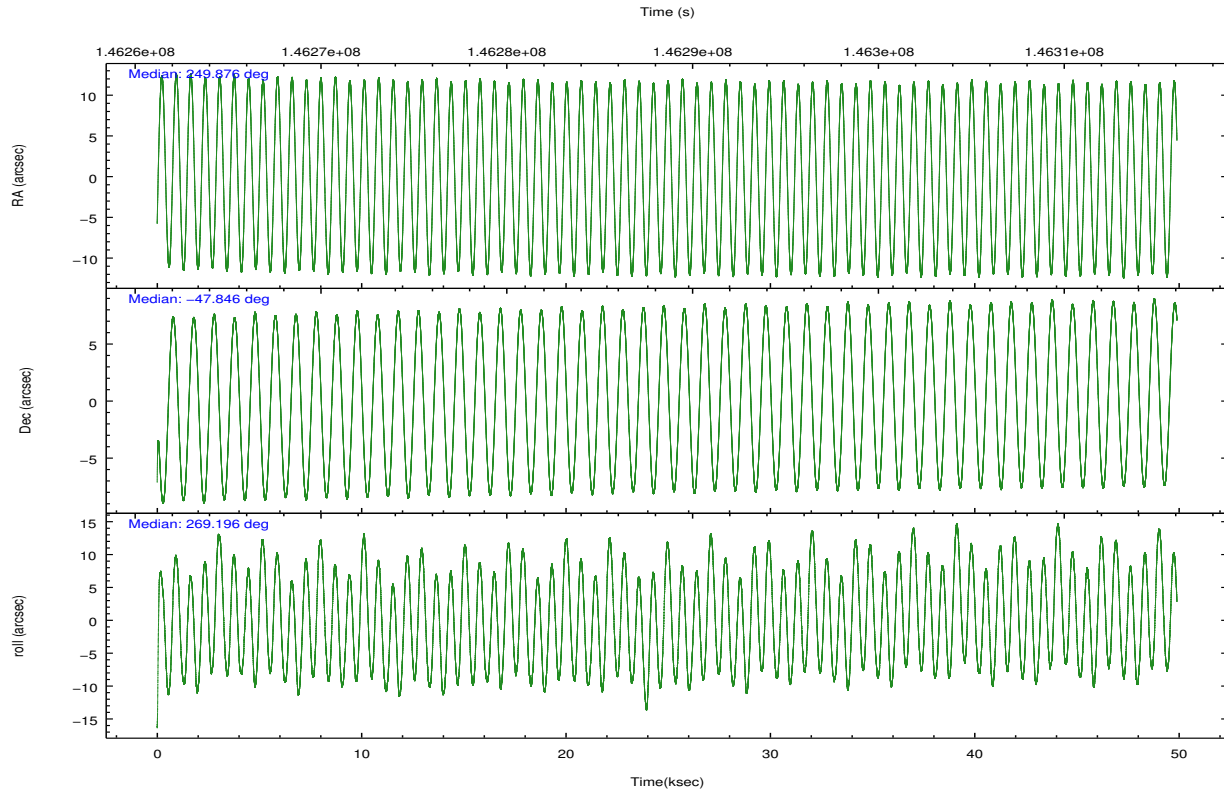
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	266804	241843	348923	258686	326264	355879	grade 0 events	12698	11862	18508	15864	22237	41013
rejected events	237106	214031	164830	224370	143793	245564		4%	4%	5%	6%	6%	11%
rejected %	88%	88%	47%	86%	44%	69%	grade 1 events	147	130	438	142	255	356
								0%	0%	0%	0%	0%	0%
							grade 2 events	6223	5397	53956	6329	38243	18199
								2%	2%	15%	2%	11%	5%
							grade 3 events	2891	2887	9765	3087	17922	15106
								1%	1%	2%	1%	5%	4%
							grade 4 events	3000	2817	9390	3030	17538	13691
								1%	1%	2%	1%	5%	3%
							grade 5 events	7993	8808	26847	9363	28367	13490
								2%	3%	7%	3%	8%	3%
							grade 6 events	4886	4850	92479	6006	86545	22314
								1%	2%	26%	2%	26%	6%
							grade 7 events	228966	205092	137540	214865	115157	231710
								85%	84%	39%	83%	35%	65%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	249.855906	249.8761605086087	Subarray requested	NONE	NONE
[deg] Pointing Dec	-47.822069	-47.84568077215206	Alternating exposures requested	N	N
[deg] Pointing Roll	269.025846	269.1974781554255	[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)	146264071.184000	146263001.98965			
Observation start date	2002-08-20T20:53:27	2002-08-20T20:36:41			
[s] Observation end time (MET)	146313571.184000	146314613.81678			
Observation end date	2002-08-21T10:38:27	2002-08-21T10:56:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect



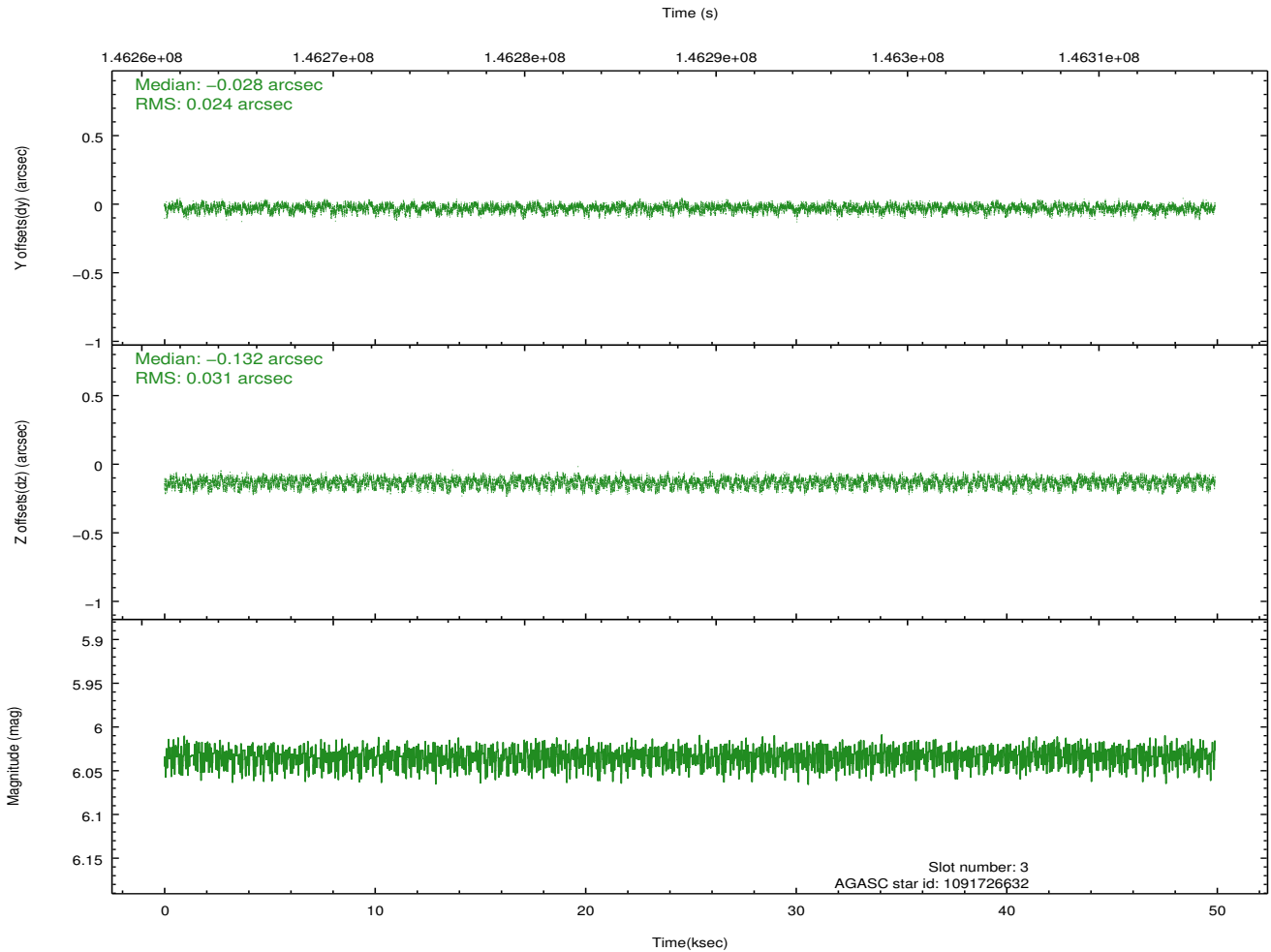
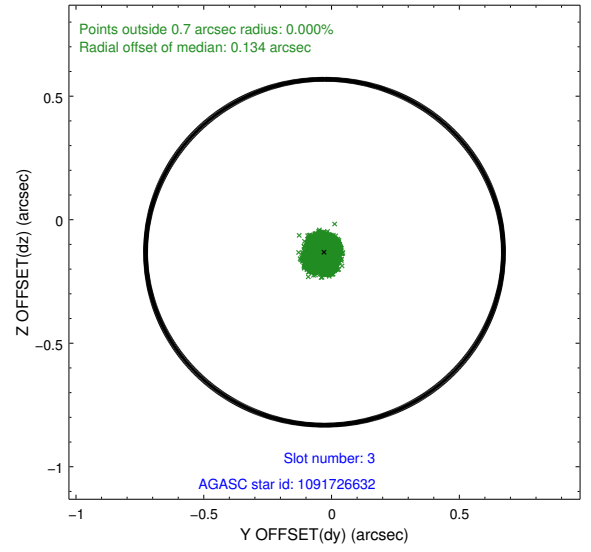
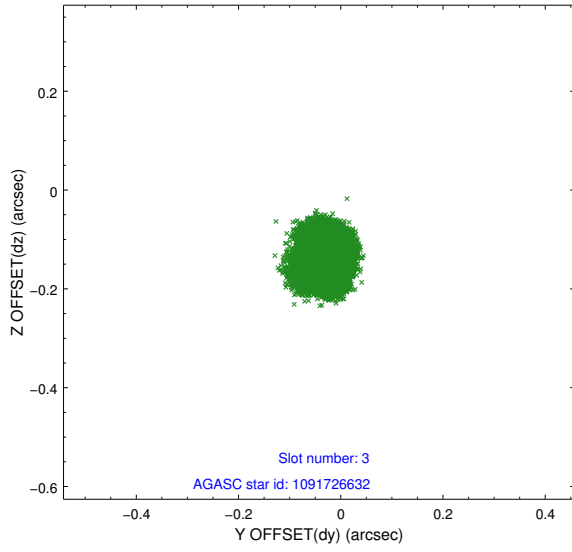


### Slot Statistics

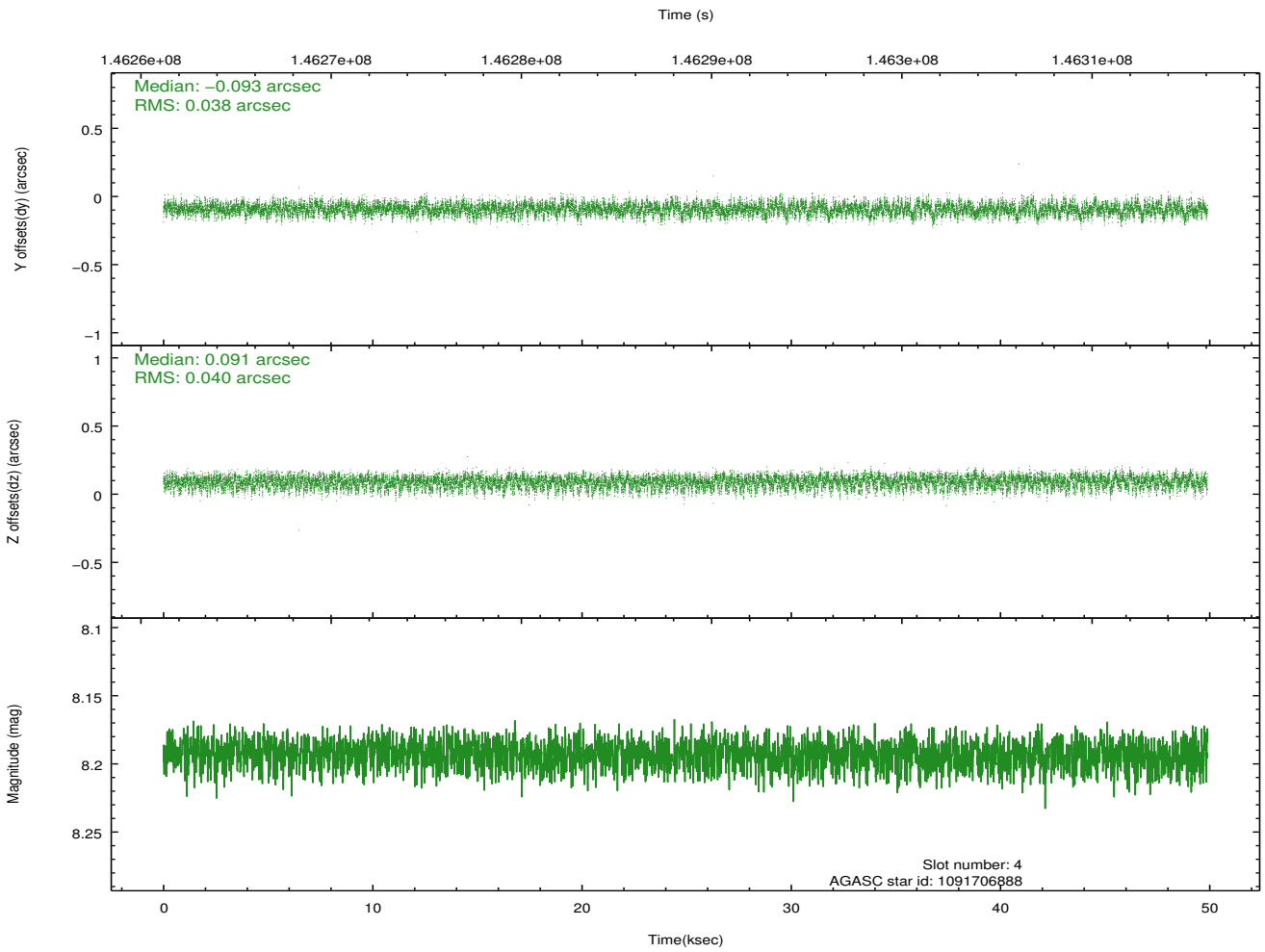
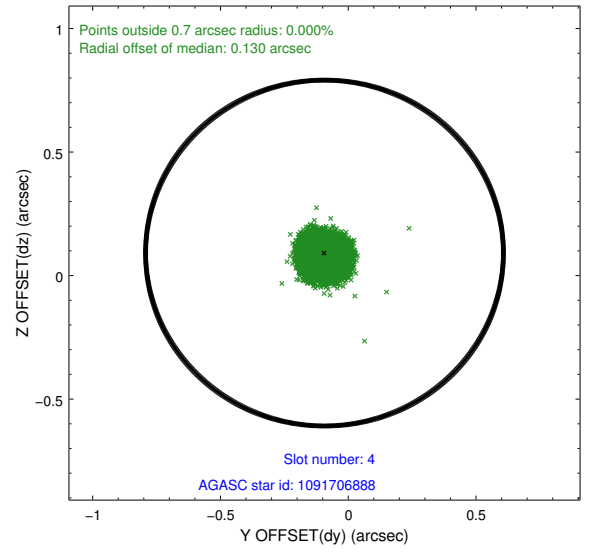
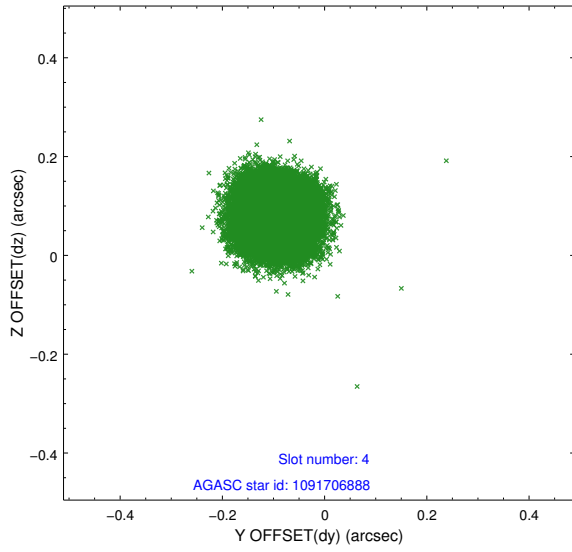
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	12171	0.057	-0.023	0.006	0.010	0.000000	0.000000	940.64	-1724.24
1	FID	ACIS-S-2	7.12	12170	-0.045	0.019	0.007	0.012	0.000000	0.000000	-755.38	-1728.68
2	FID	ACIS-S-5	7.24	12170	-0.036	0.011	0.006	0.011	0.000000	0.000000	-1808.54	173.46
3	GUIDE	1091726632	6.03	24340	-0.028	-0.132	0.042	0.068	250.066238	-48.307770	1739.58	533.70
4	GUIDE	1091706888	8.19	24340	-0.093	0.091	0.060	0.095	249.740289	-47.400823	-1512.06	-306.89
5	GUIDE	1091709768	7.71	24339	0.024	-0.076	0.050	0.083	249.435228	-47.706899	-395.19	-1025.54
6	GUIDE	1091704824	9.14	24329	-0.042	-0.106	0.069	0.110	249.173141	-47.336759	-1712.06	-1694.78
7	GUIDE	1091871072	9.21	24317	0.141	0.225	0.076	0.123	250.608262	-48.415206	2112.55	1834.60

## 2.4 Star Slots

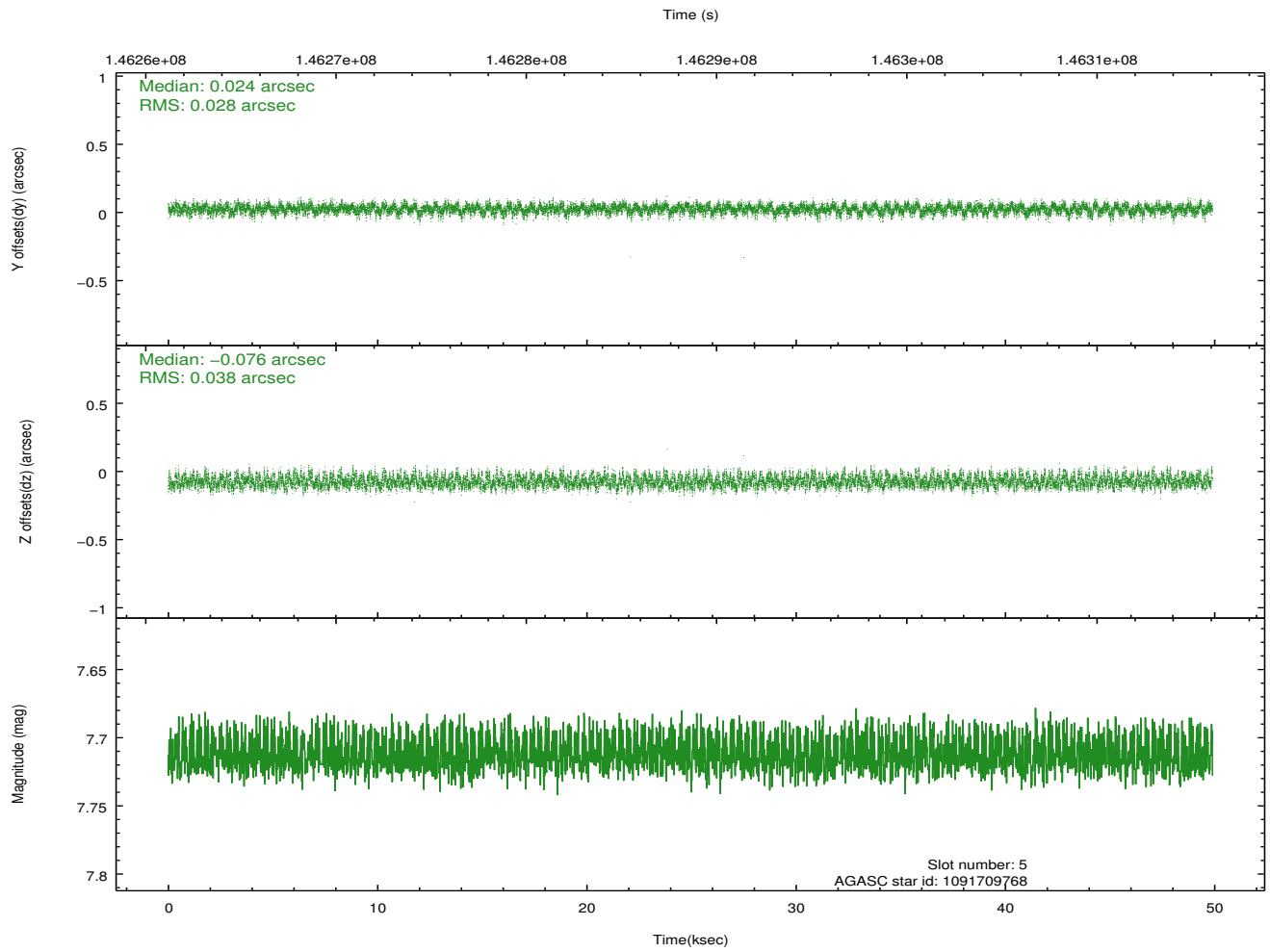
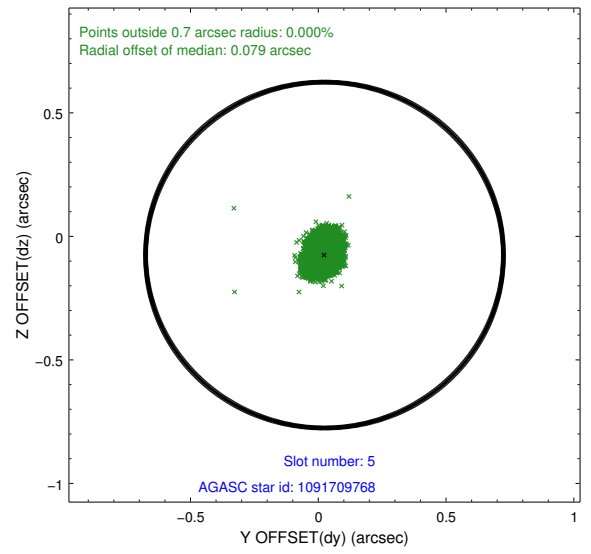
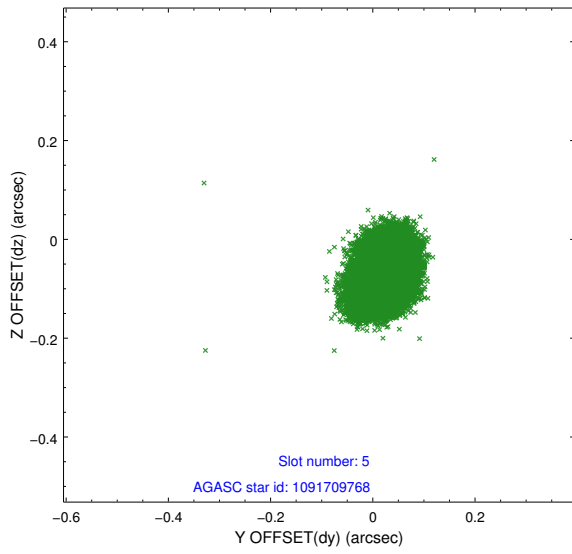
### 2.4.1 Slot 3



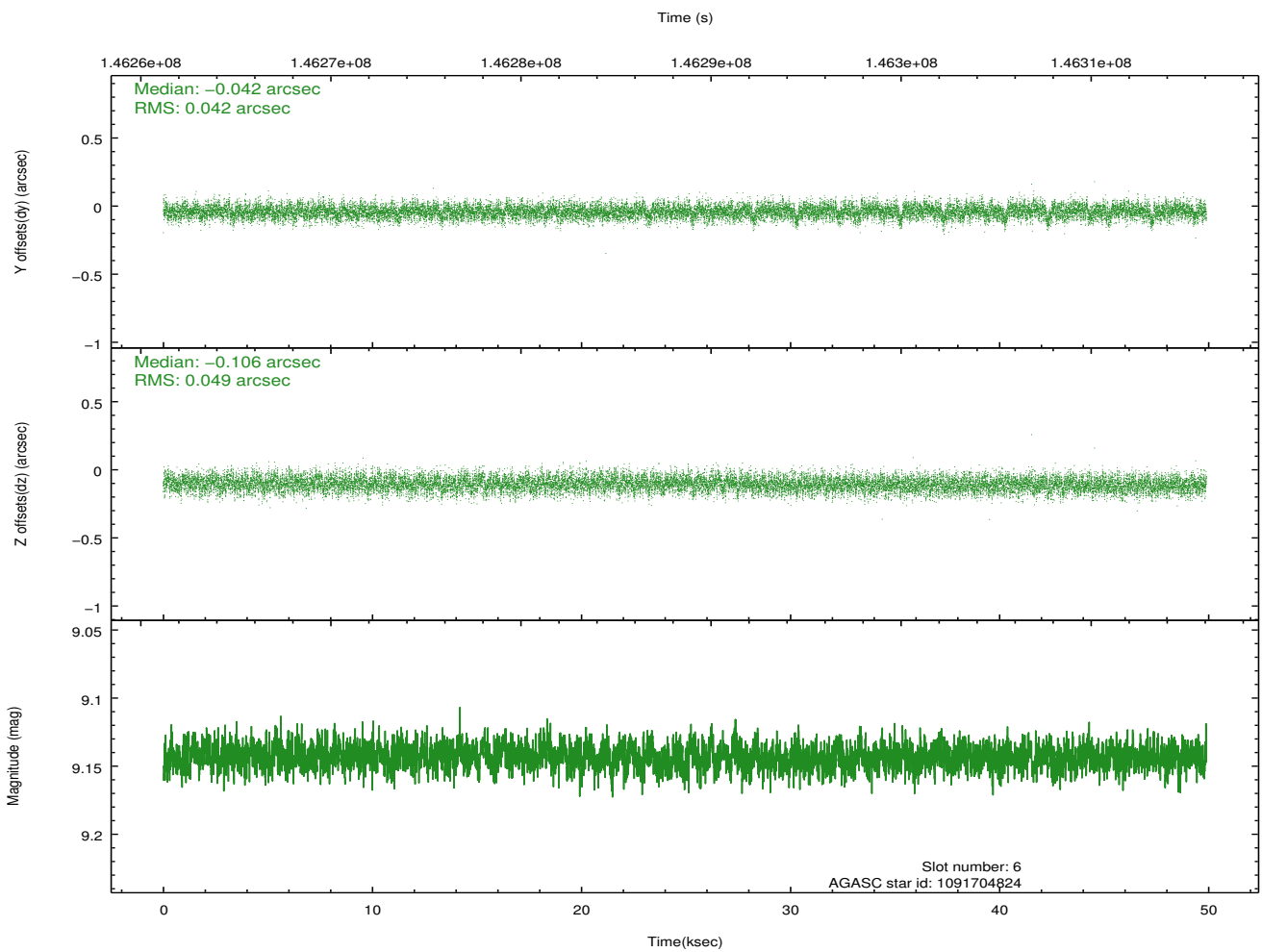
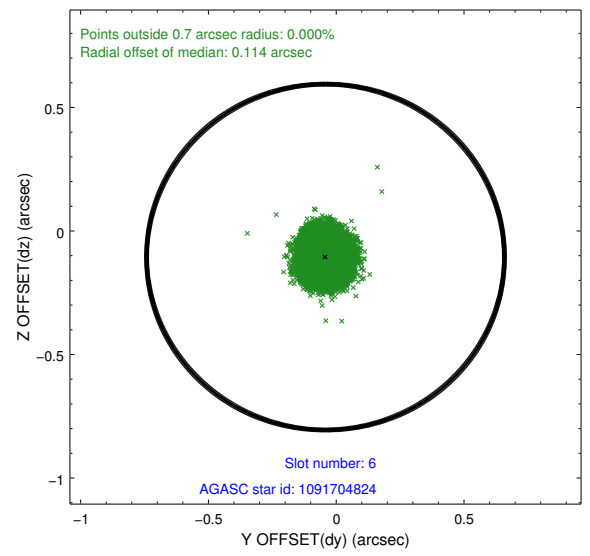
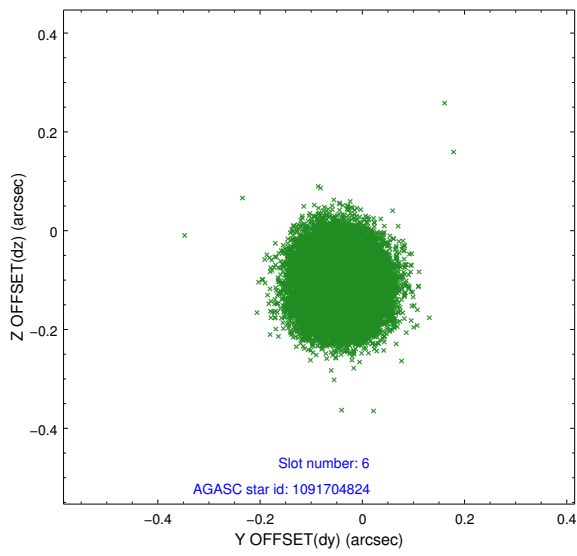
### 2.4.2 Slot 4



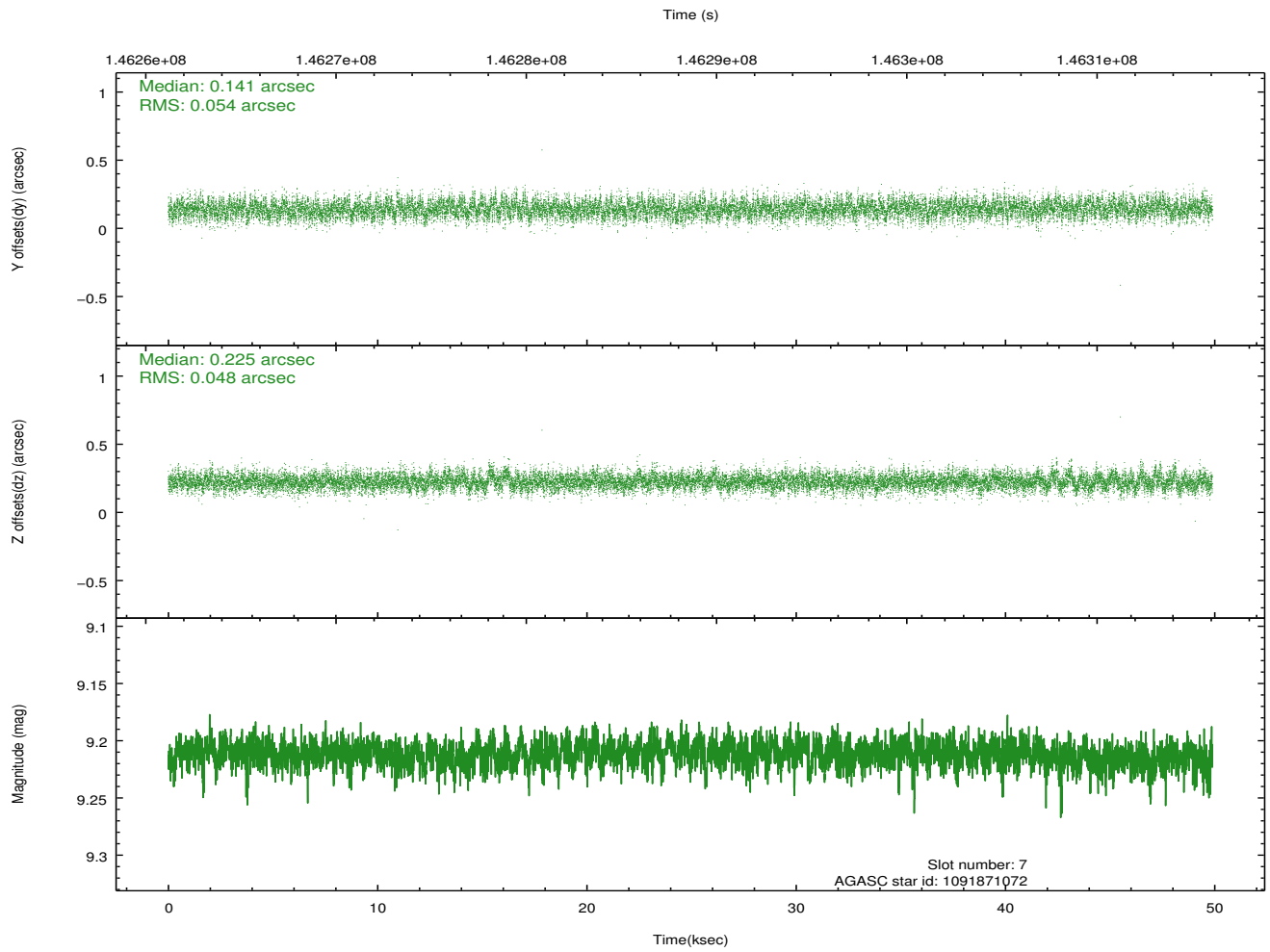
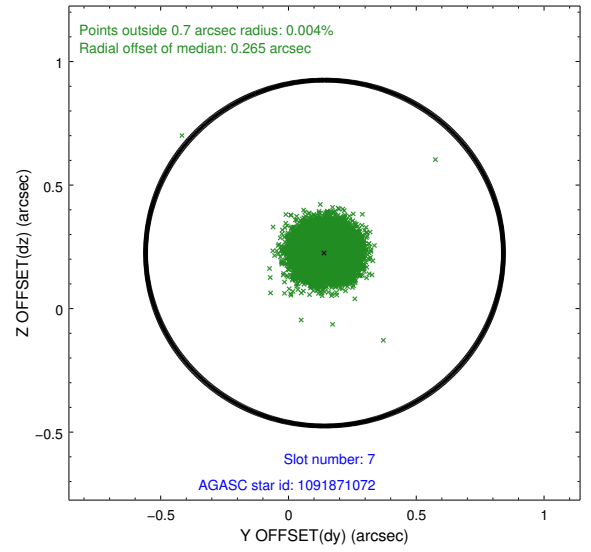
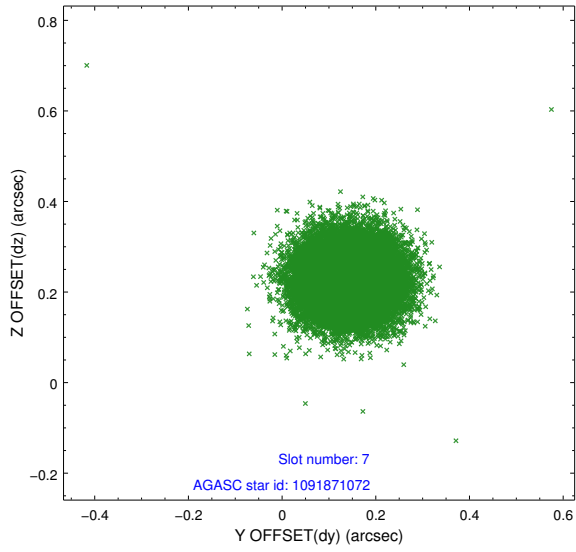
### 2.4.3 Slot 5



## 2.4.4 Slot 6

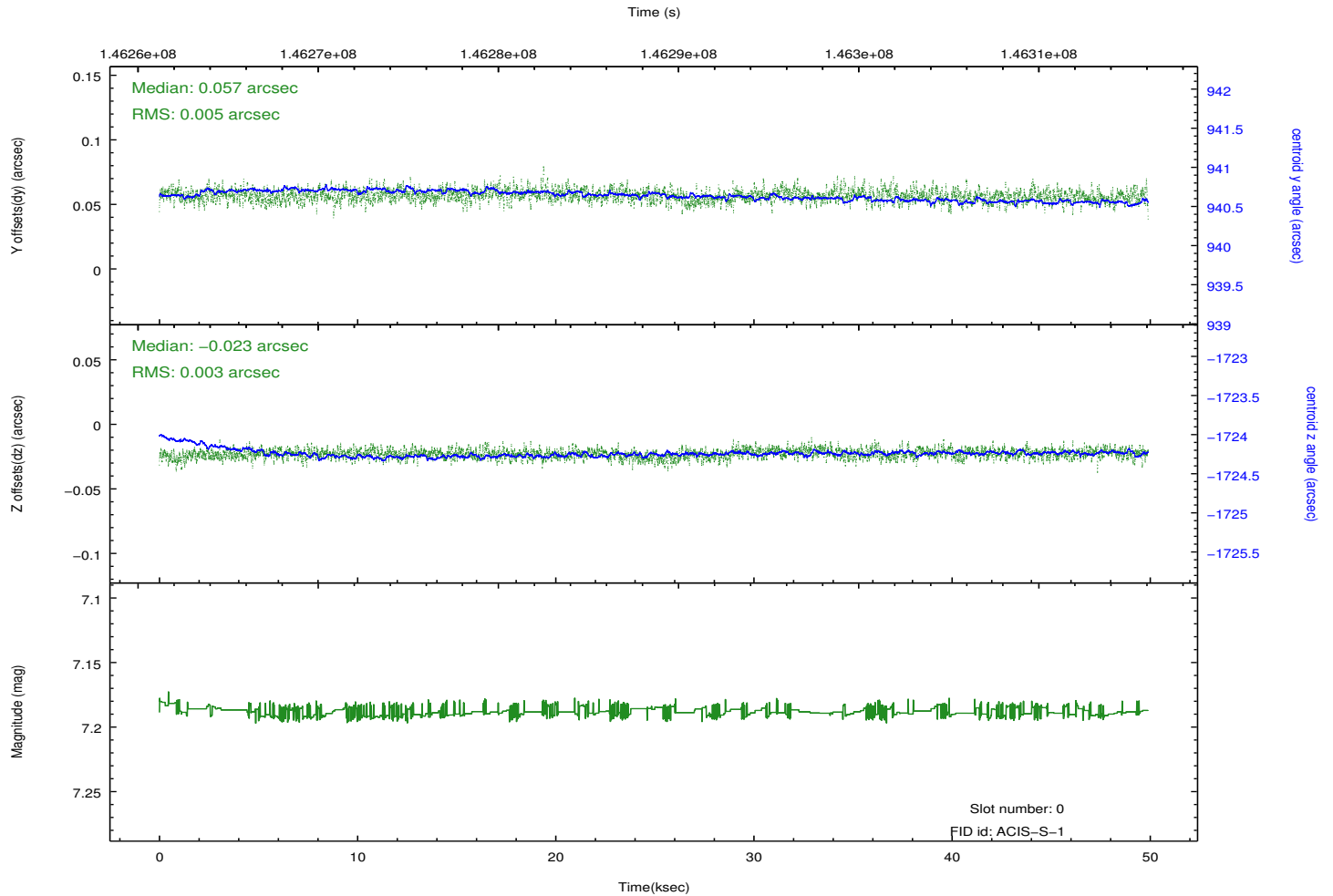
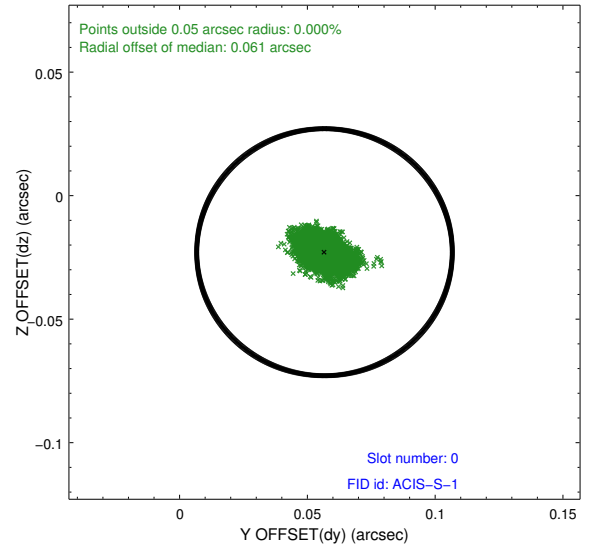
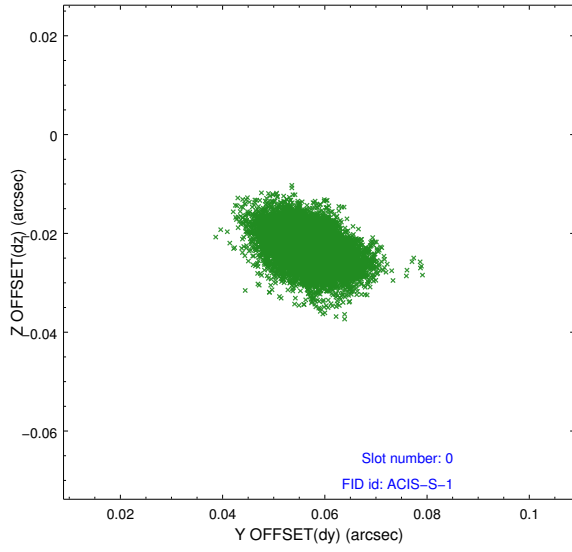


### 2.4.5 Slot 7

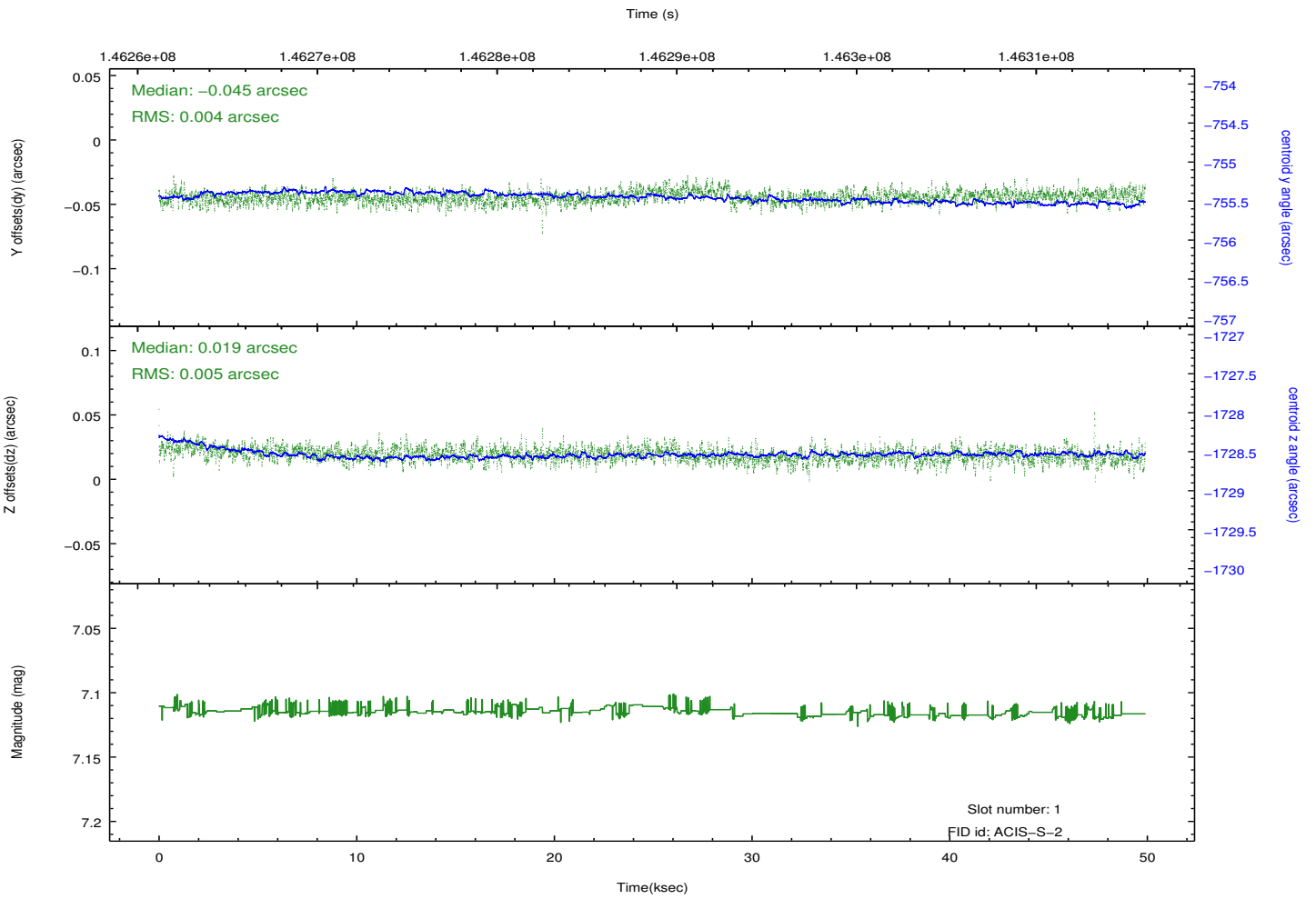
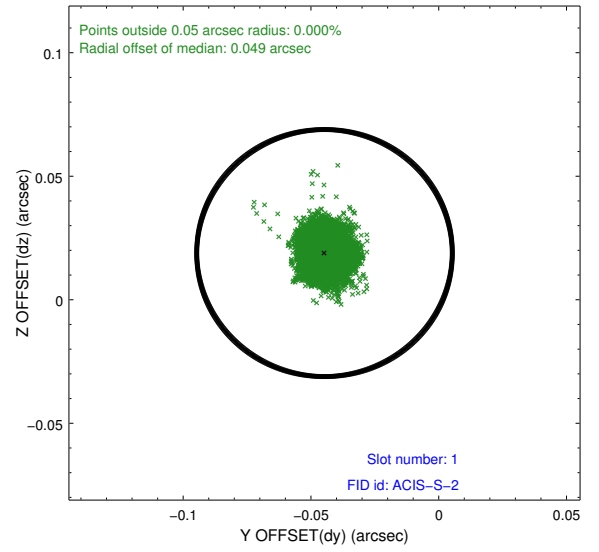
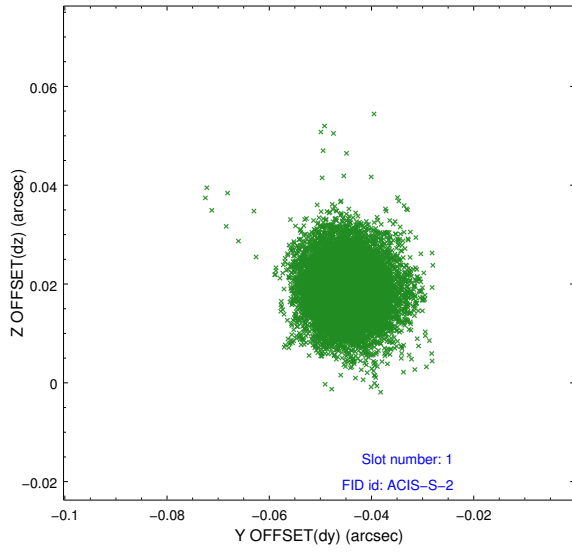


## 2.5 FID Slots

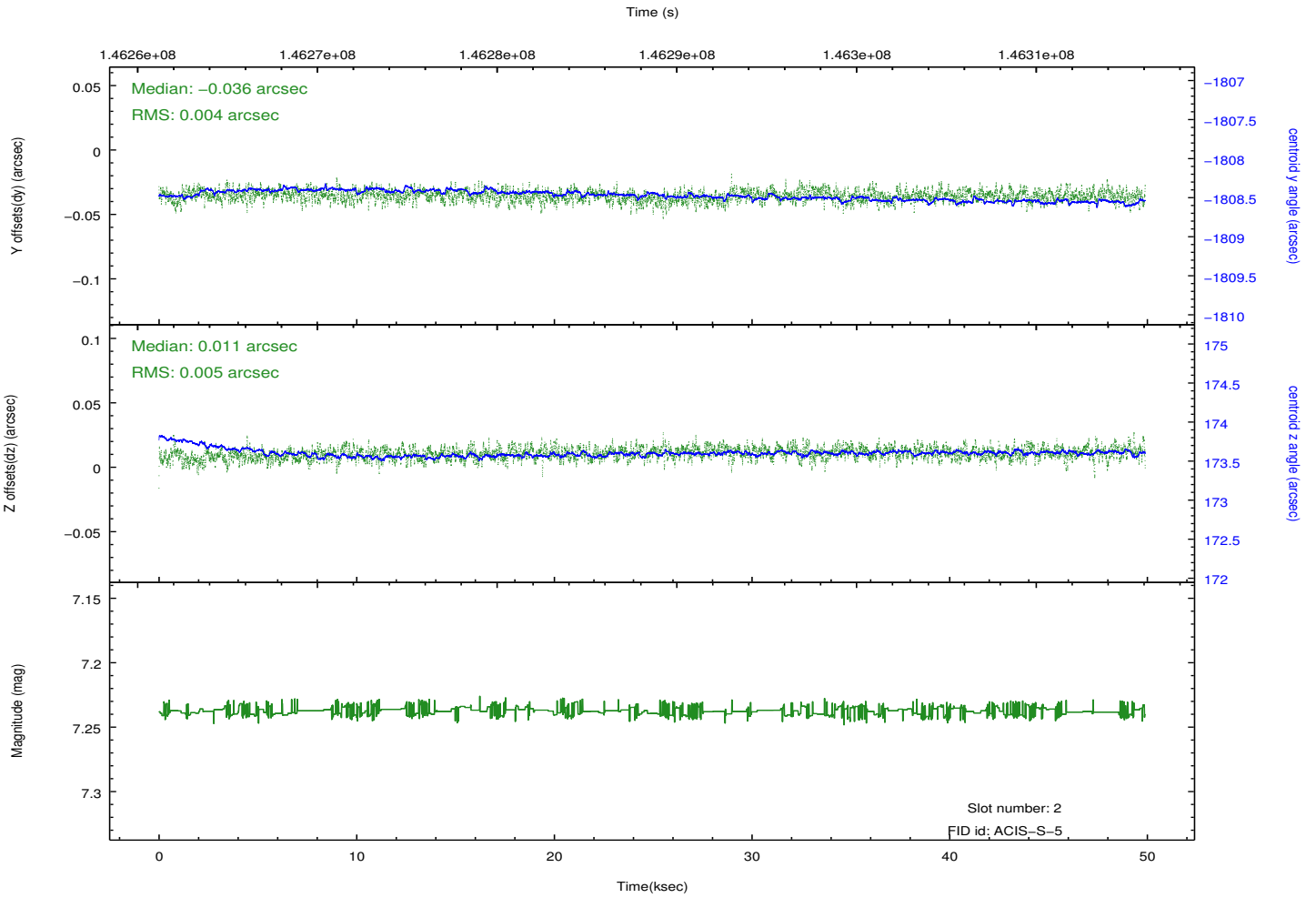
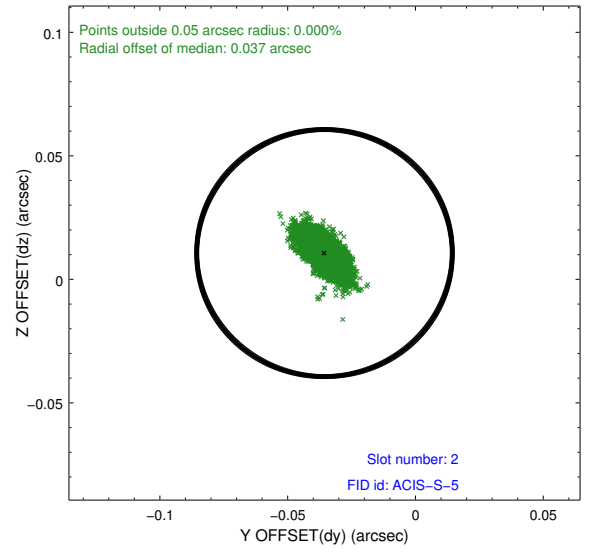
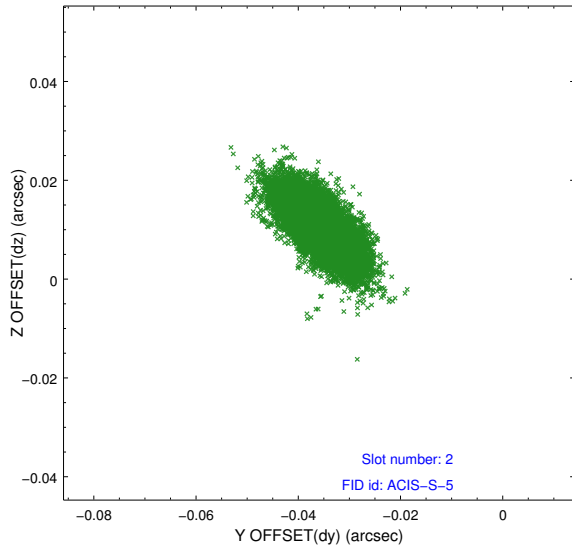
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.462

## A.2 Comments