

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9604 - L2 Version 2  
Chandra X-Ray Center

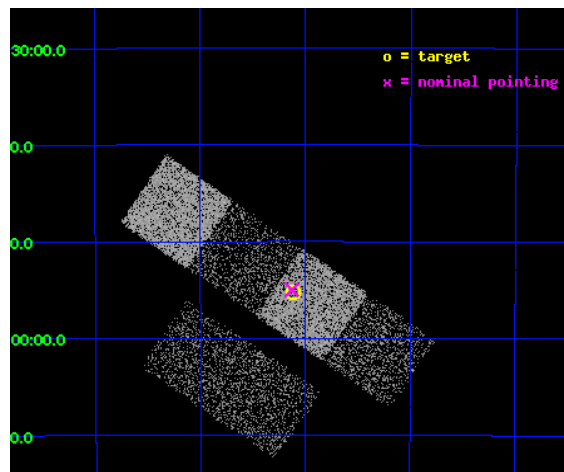
L2 Processing Date : May 15 2012

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# 1 Front

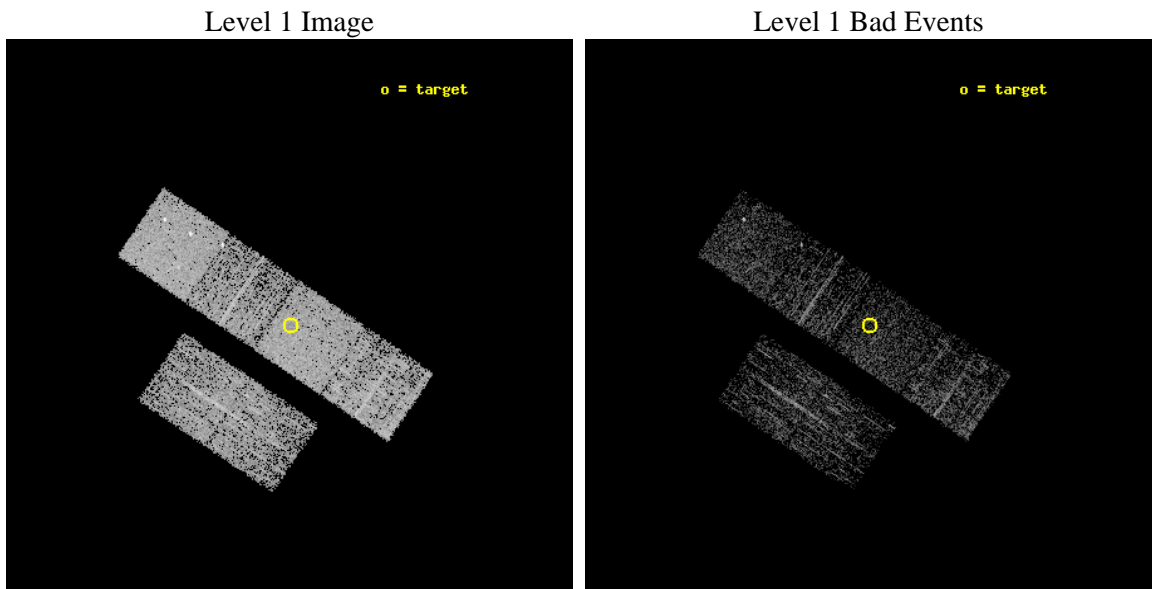
seq_num	900846	Sequence number
obs_id	9604	Observation id
title	GTO ChICAGO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J165707-4255	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.28	Observer's specified target RA [deg]
dec_targ	-42.921	Observer's specified target Dec [deg]
ra_nom	254.28223351999	Nominal RA [deg]
dec_nom	-42.916503253336	Nominal Dec [deg]
roll_nom	34.125704670829	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1251.1999953985	Sum of GTIs [s]
livetime	1235.3565476746	Livetime [s]
ontime2	1251.1999953985	Sum of GTIs [s]
ontime3	1251.1999953985	Sum of GTIs [s]
ontime5	1251.1999953985	Sum of GTIs [s]
ontime6	1251.1999953985	Sum of GTIs [s]
ontime7	1251.1999953985	Sum of GTIs [s]
ontime8	1251.1999953985	Sum of GTIs [s]
l2events	19960	Number of level 2 events



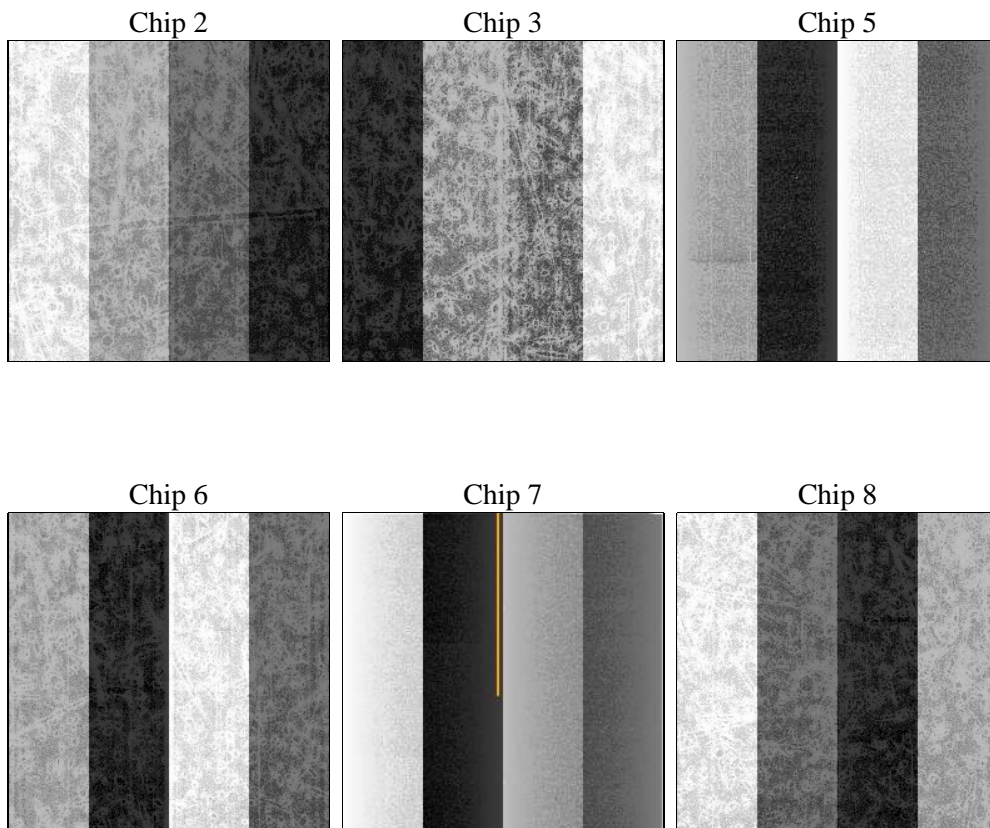
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1251.1999953985	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	1251.1999953985	Sum of GTIs [s]
date	2012-05-15T14:54:08	Date and time of file creation	ontime3	1251.1999953985	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1251.1999953985	Sum of GTIs [s]
			ontime6	1251.1999953985	Sum of GTIs [s]
			ontime7	1251.1999953985	Sum of GTIs [s]
			ontime8	1251.1999953985	Sum of GTIs [s]
			l1events	84906	Number of level 1 events

### 2.1.4 Events

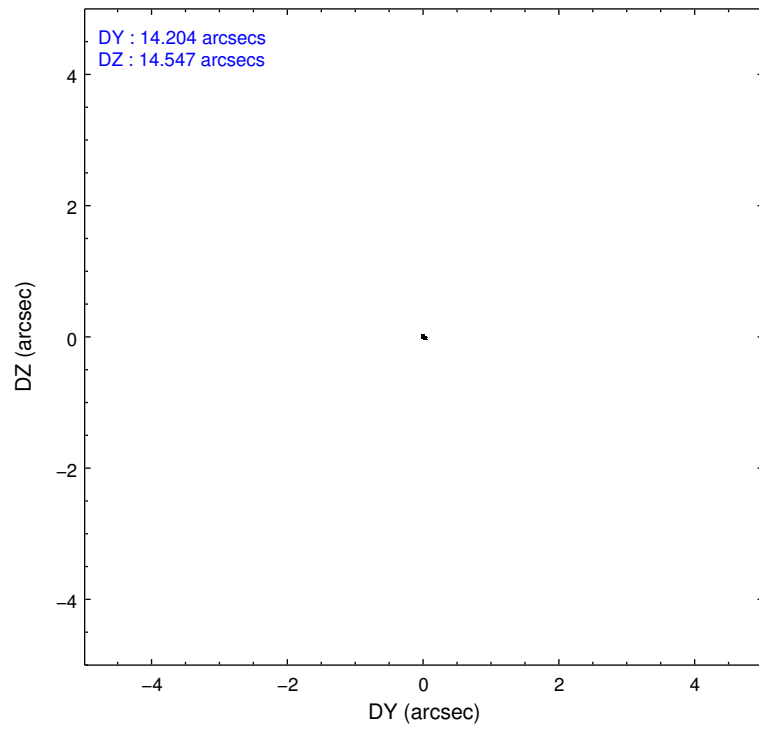
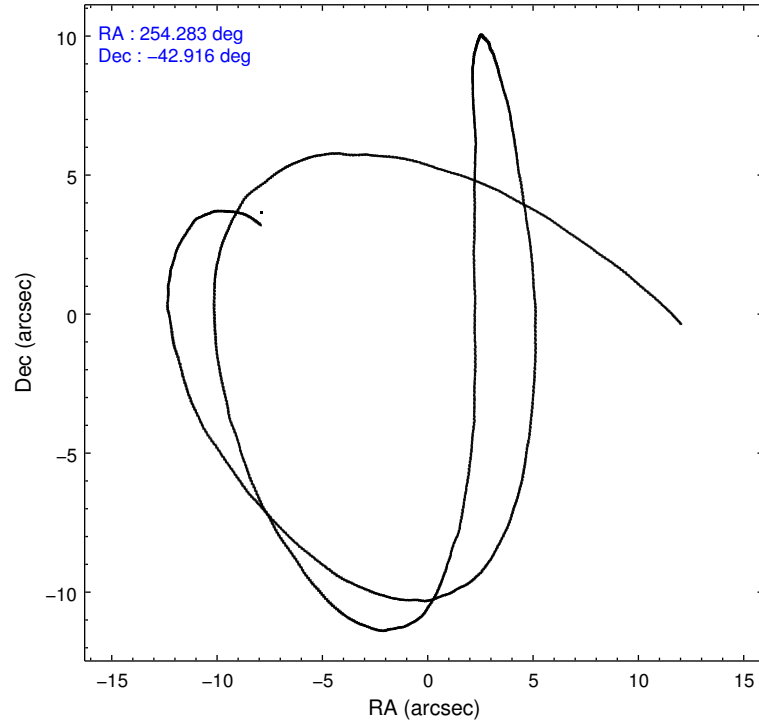
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11788	10761	19279	11581	16481	15016
rejected events	10331	9315	10415	10136	9596	11514
rejected %	87%	86%	54%	87%	58%	76%

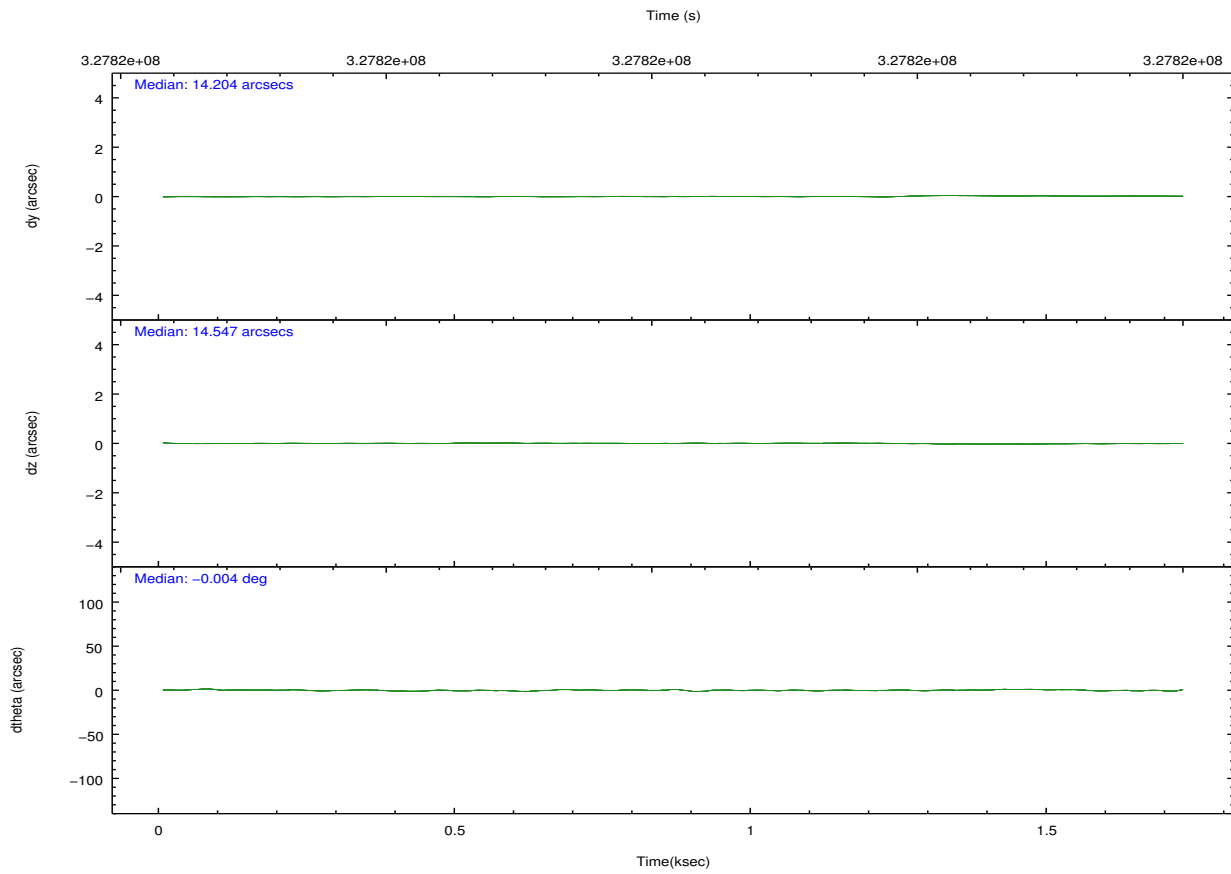
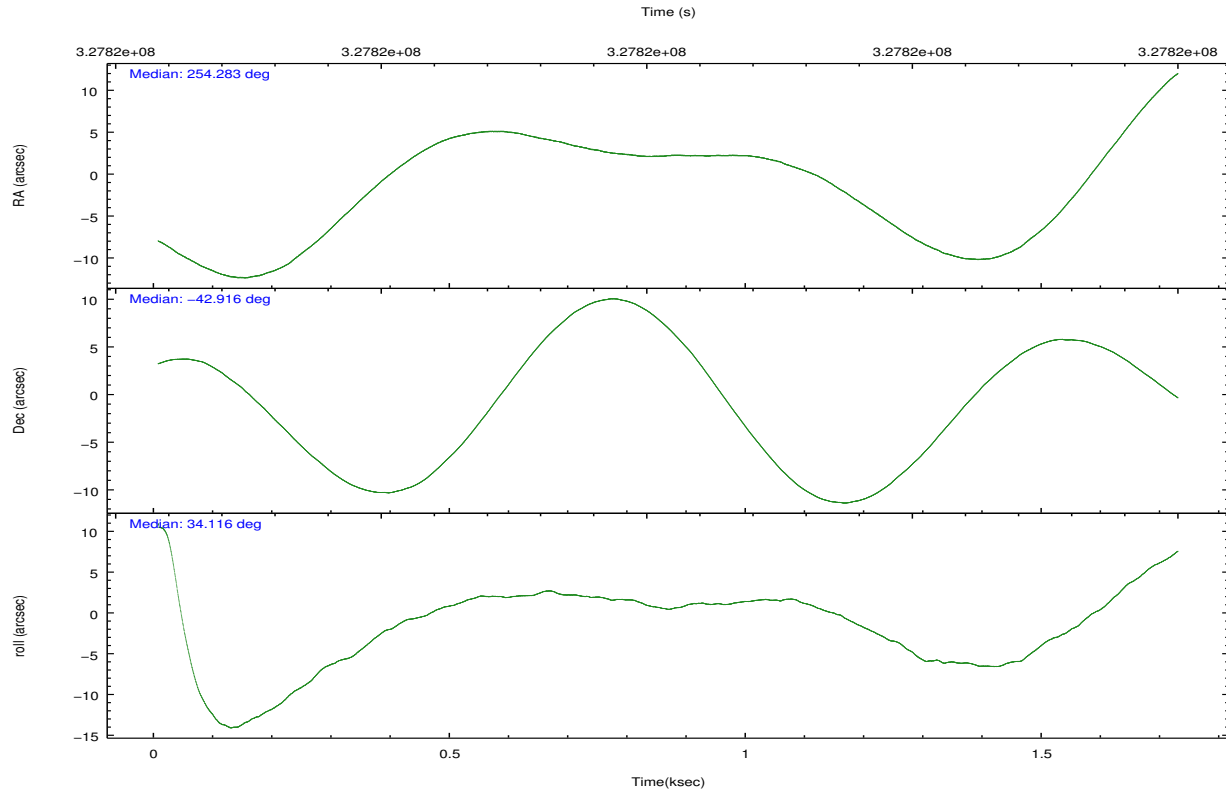
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	602	633	1054	576	611	1122
	5%	5%	5%	4%	3%	7%
grade 1 events	10	6	59	5	11	10
	0%	0%	0%	0%	0%	0%
grade 2 events	343	288	2733	329	1398	831
	2%	2%	14%	2%	8%	5%
grade 3 events	123	146	339	119	594	297
	1%	1%	1%	1%	3%	1%
grade 4 events	119	136	270	136	598	297
	1%	1%	1%	1%	3%	1%
grade 5 events	476	506	1392	530	1477	733
	4%	4%	7%	4%	8%	4%
grade 6 events	282	250	4506	294	3707	976
	2%	2%	23%	2%	22%	6%
grade 7 events	9833	8796	8926	9592	8085	10750
	83%	81%	46%	82%	49%	71%

## 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	254.266867	254.2822335199933	CCD I2 on	O2	Y
[deg] Pointing Dec	-42.941348	-42.9165032533358	CCD I3 on	O3	Y
[deg] Pointing Roll	33.958434	34.12570467082887	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	O5	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	O4	Y
[s] Observation start time (MET)	327818608.184000	327817525.13749	CCD S5 on	N	N
Observation start date	2008-05-22T04:42:23	2008-05-22T04:25:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327819908.184000	327820733.90014	On-chip summing requested	N	N
Observation end date	2008-05-22T05:04:03	2008-05-22T05:18:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



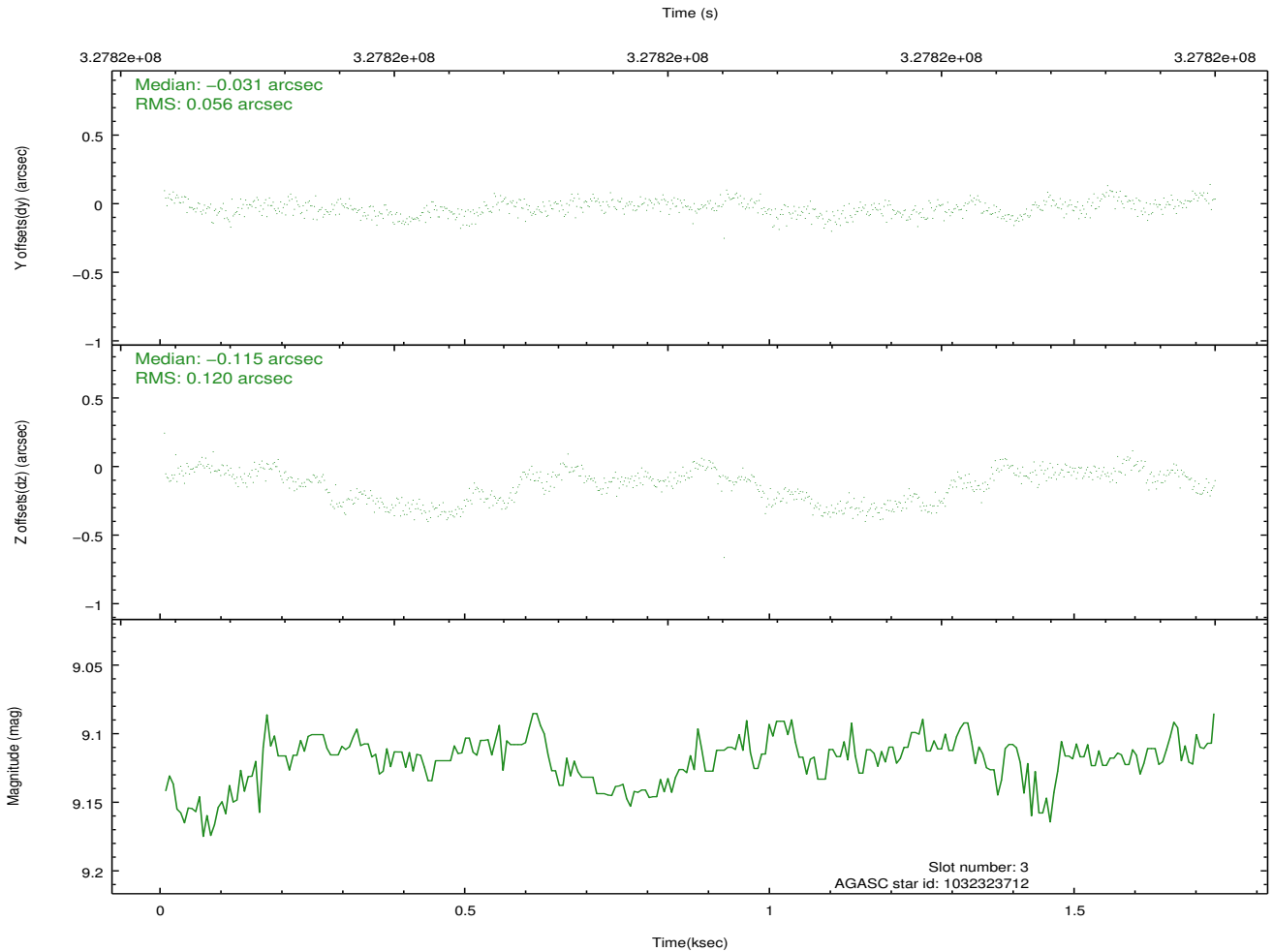
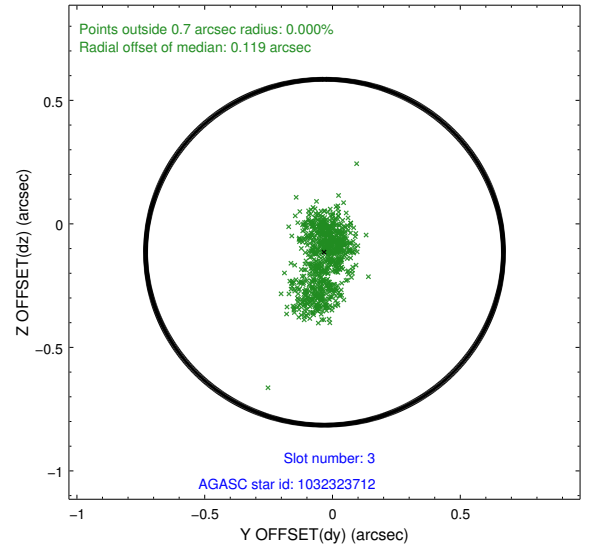
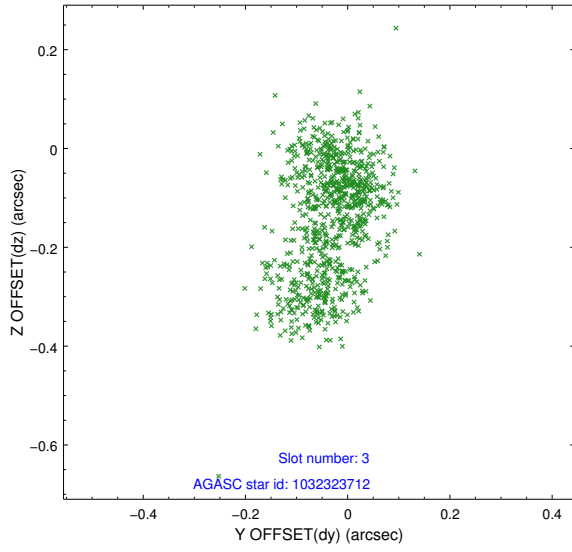


### Slot Statistics

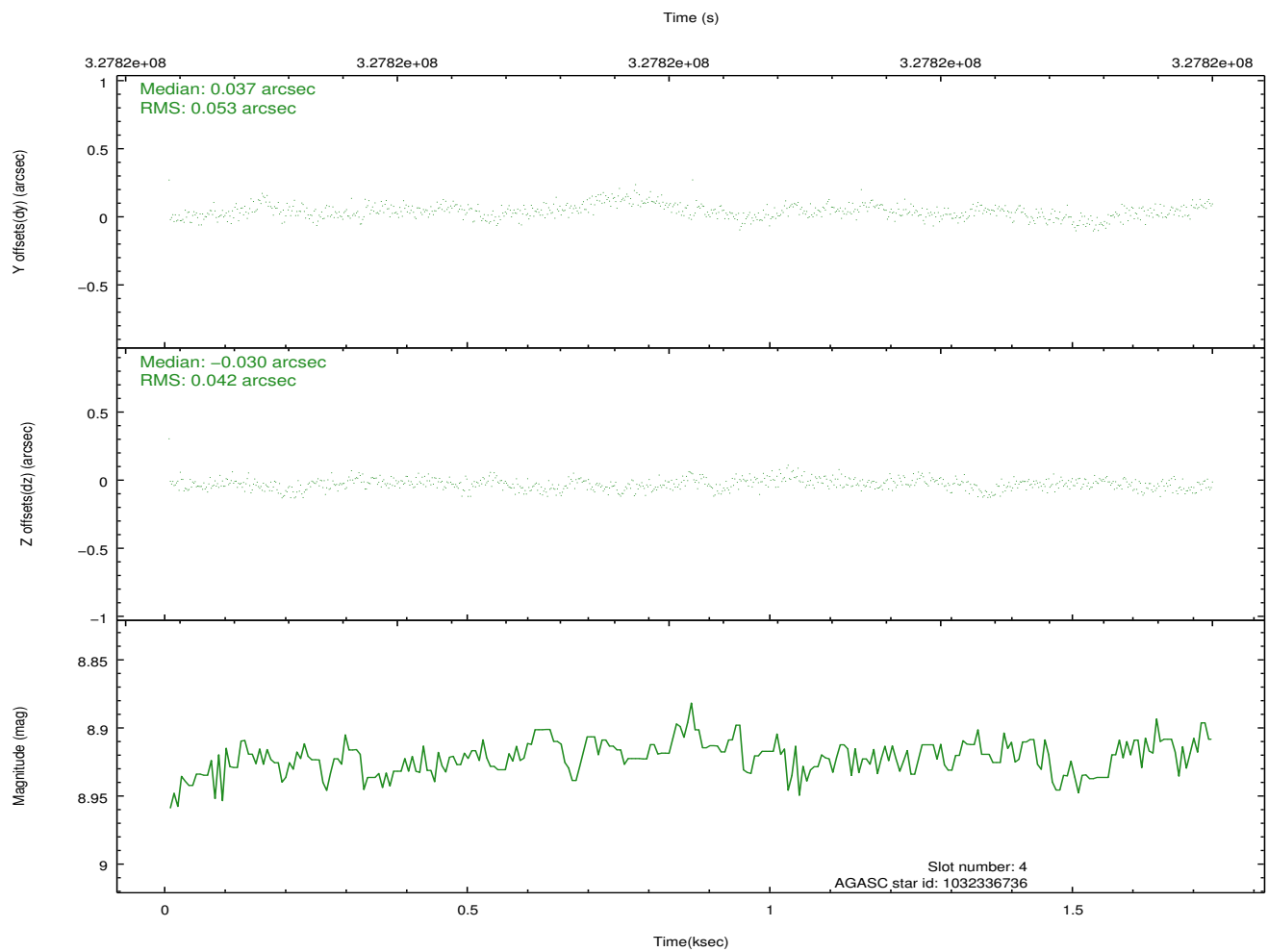
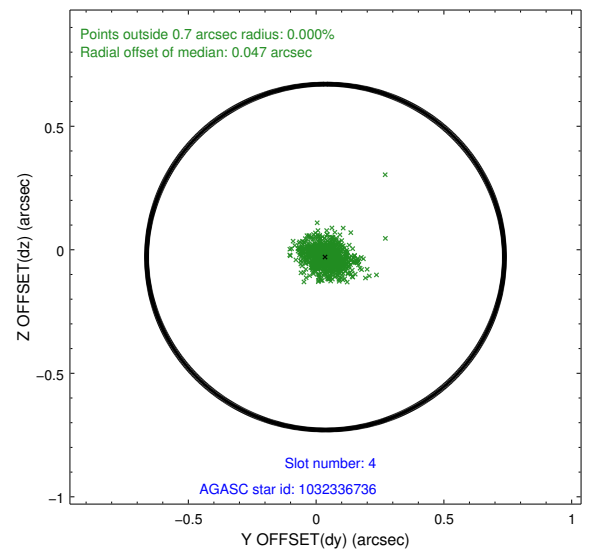
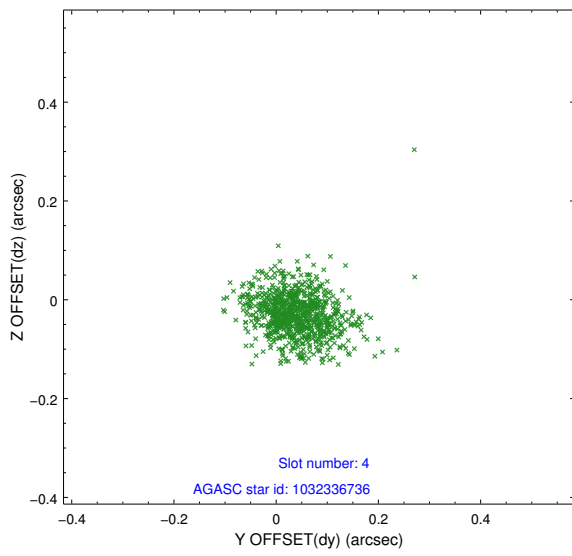
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	421	-0.068	-0.032	0.009	0.015	0.000000	0.000000	-767.21	-1735.90
1	FID	ACIS-S-4	7.00	421	0.178	0.041	0.006	0.010	0.000000	0.000000	2144.55	168.72
2	FID	ACIS-S-5	7.02	421	-0.141	-0.000	0.008	0.013	0.000000	0.000000	-1815.25	166.66
3	GUIDE	1032323712	9.12	842	-0.031	-0.115	0.140	0.233	254.183673	-42.363410	979.45	1848.50
4	GUIDE	1032336736	8.92	842	0.037	-0.030	0.069	0.114	254.770818	-42.975293	1033.05	-844.56
5	GUIDE	1032848432	8.41	842	0.039	0.064	0.086	0.139	254.987189	-43.220778	1003.77	-1898.22
6	GUIDE	1032857480	7.25	841	0.042	-0.022	0.098	0.143	253.897060	-43.315989	-1555.67	-582.77
7	GUIDE	1032869800	8.14	841	-0.103	0.132	0.052	0.086	254.843214	-43.311164	505.18	-1953.21

## 2.4 Star Slots

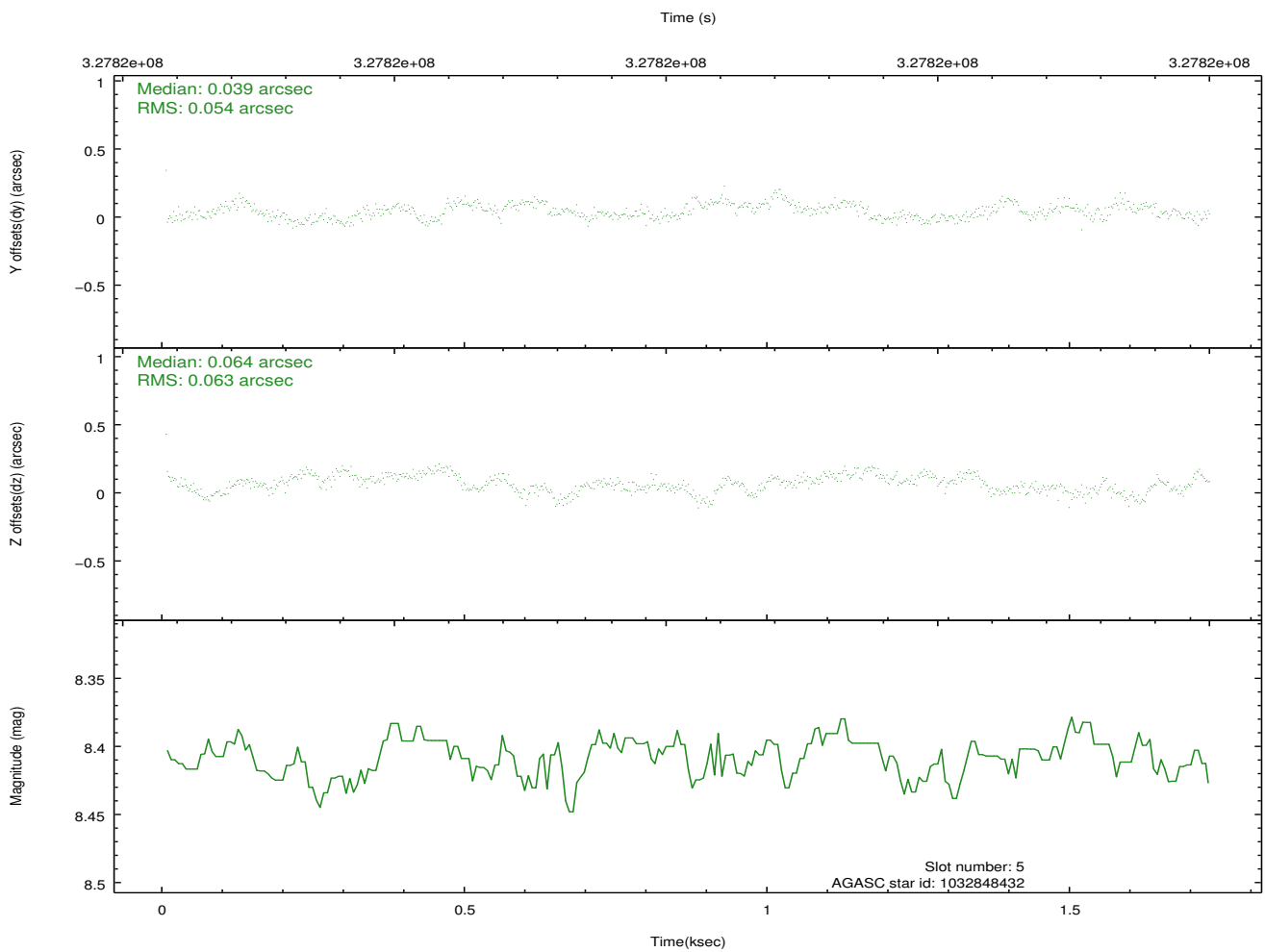
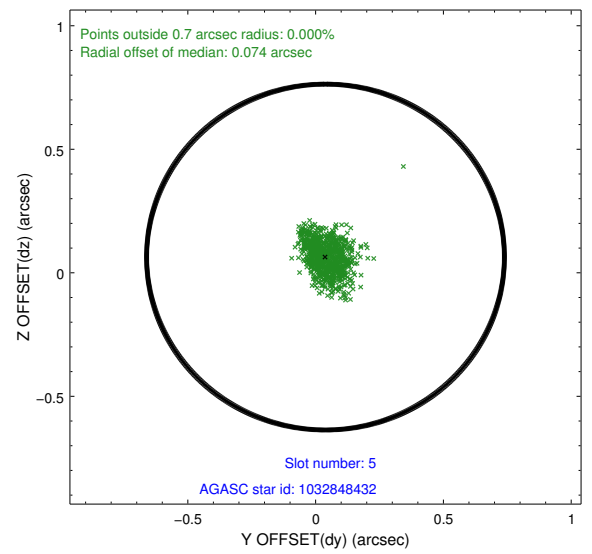
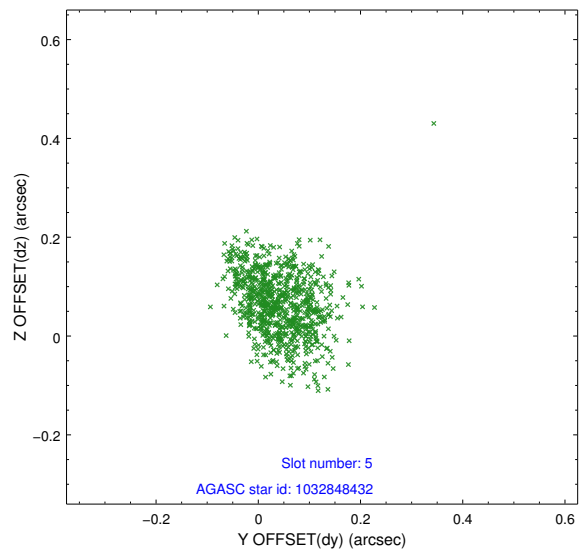
### 2.4.1 Slot 3



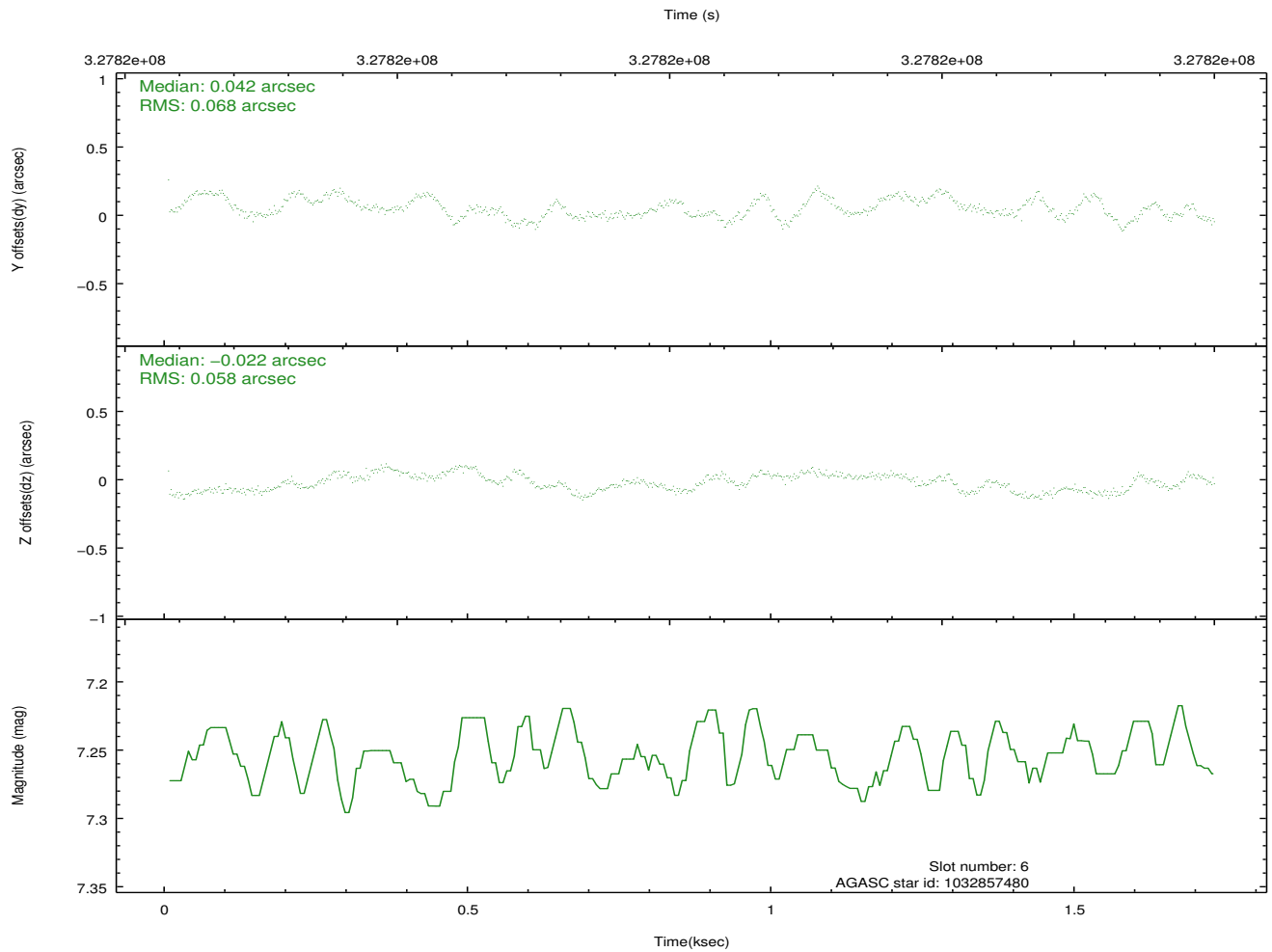
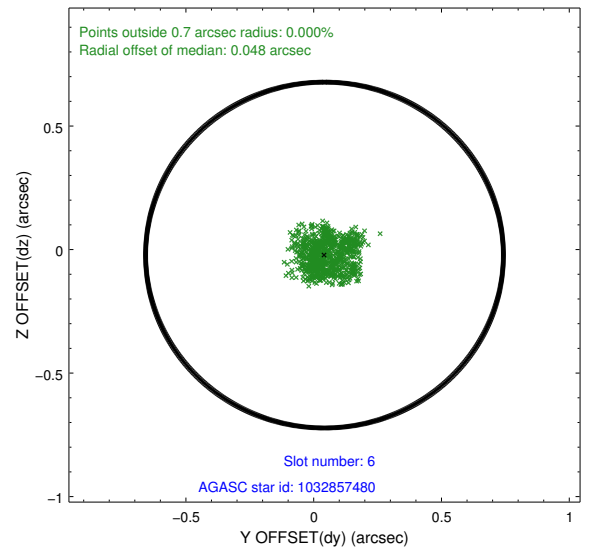
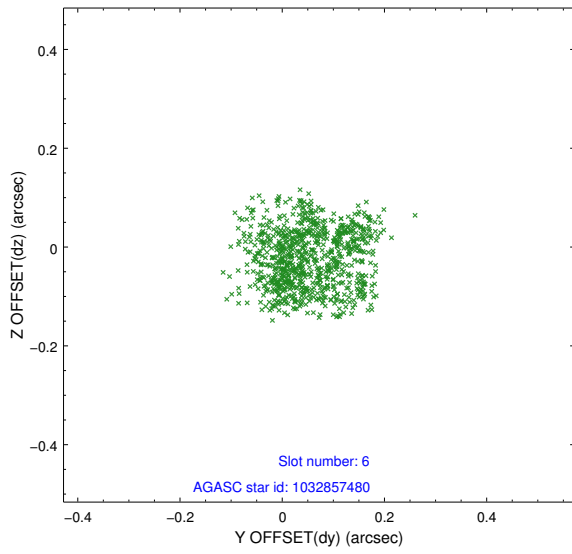
## 2.4.2 Slot 4



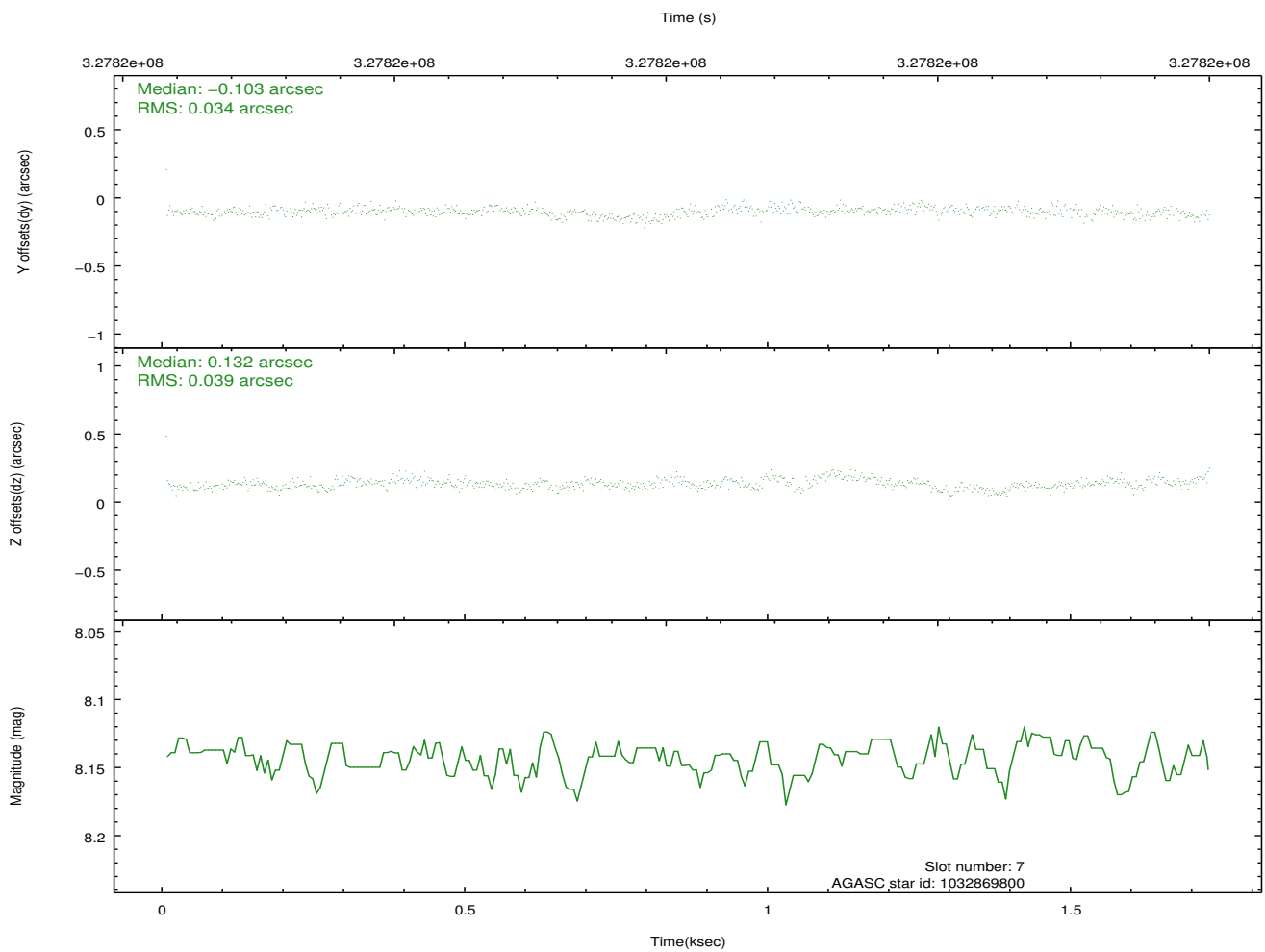
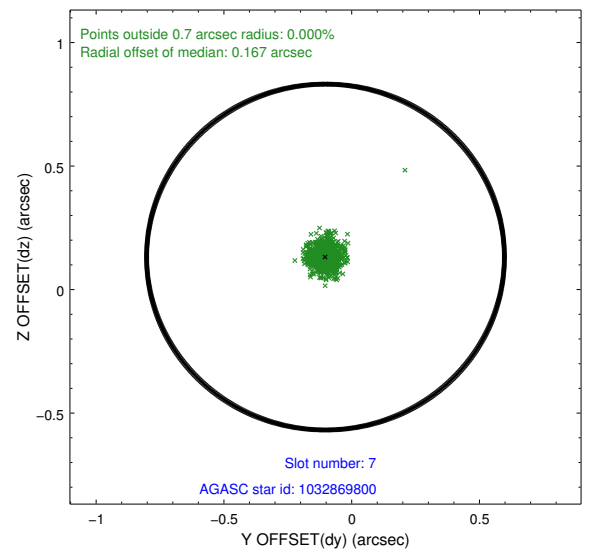
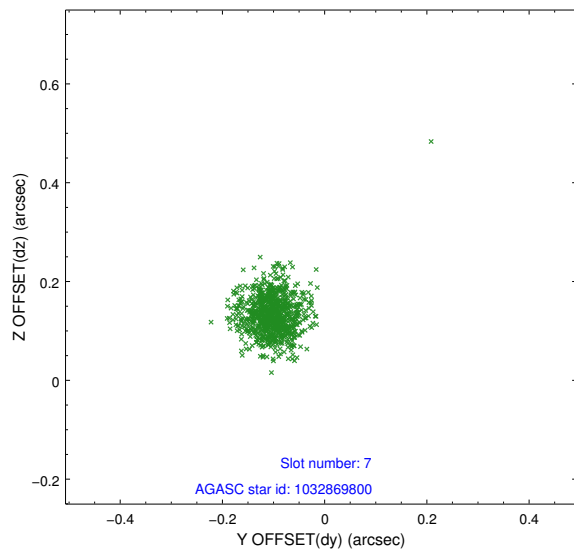
### 2.4.3 Slot 5



### 2.4.4 Slot 6

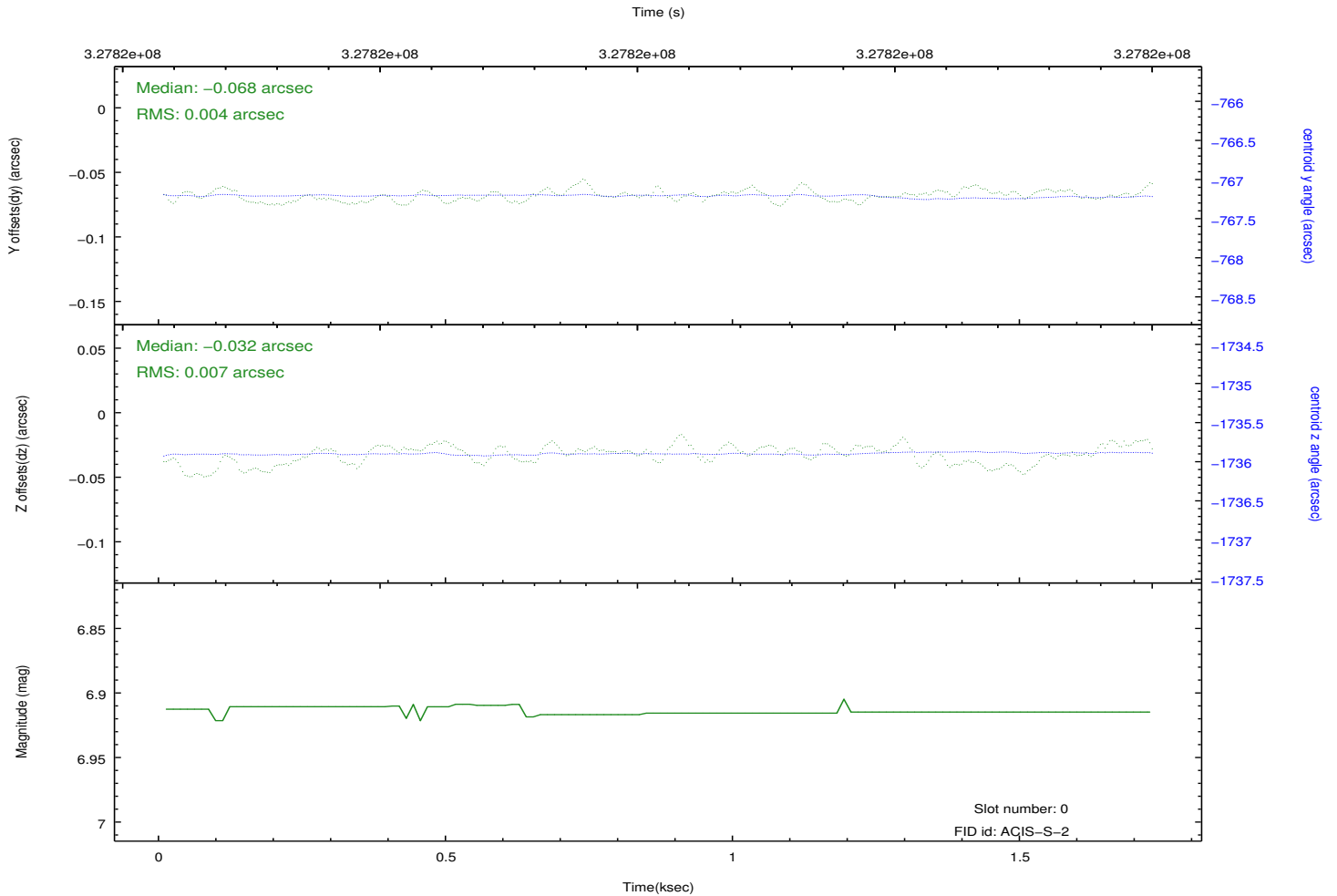
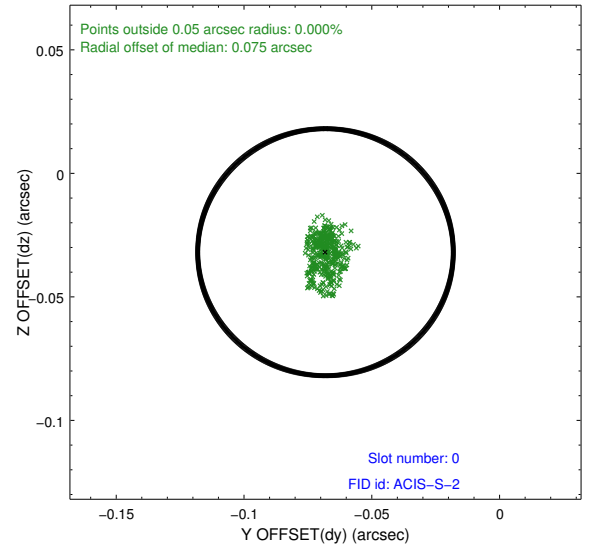
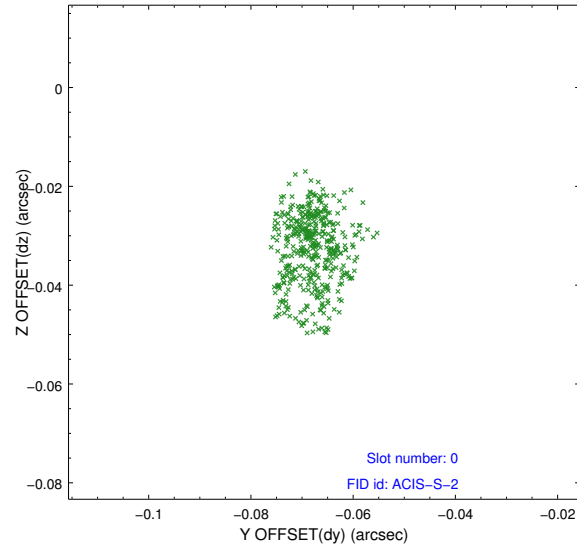


## 2.4.5 Slot 7

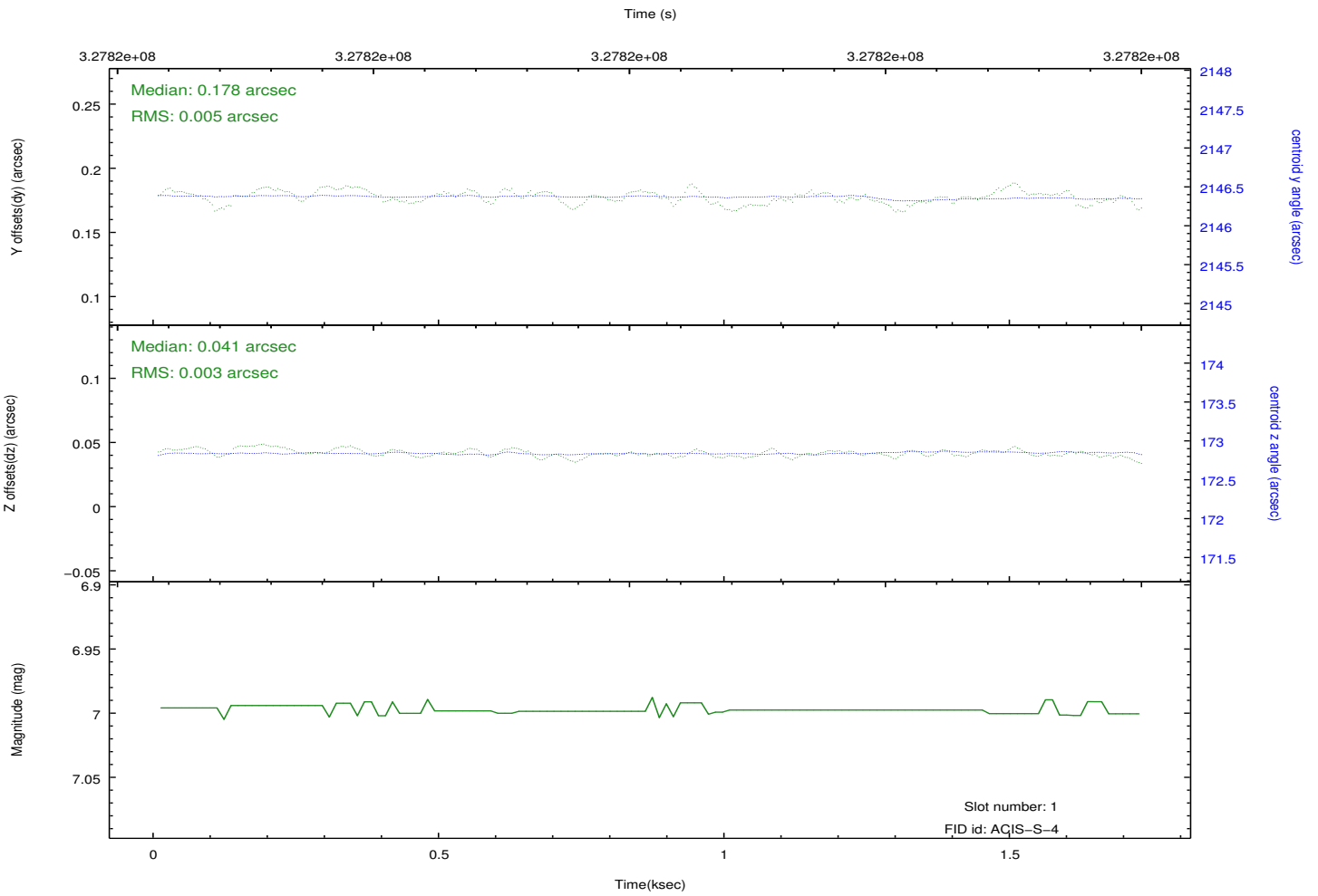
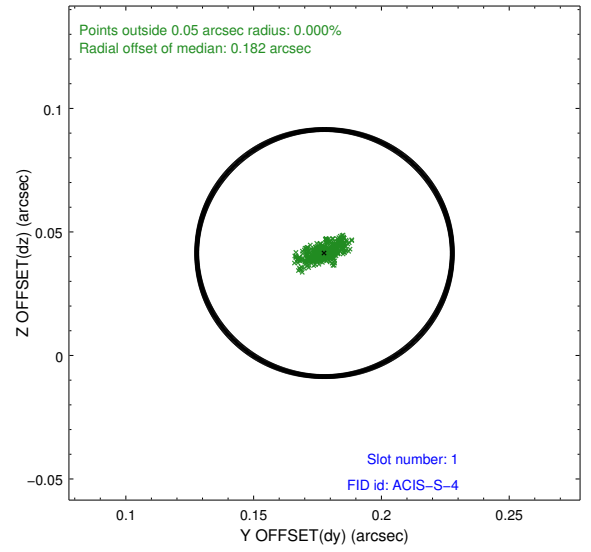
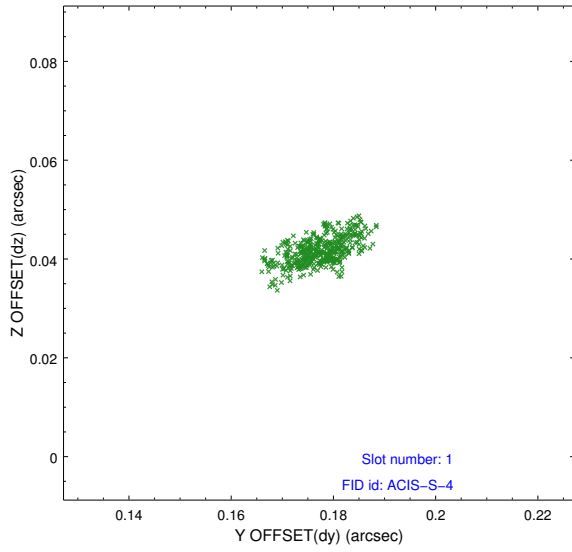


## 2.5 FID Slots

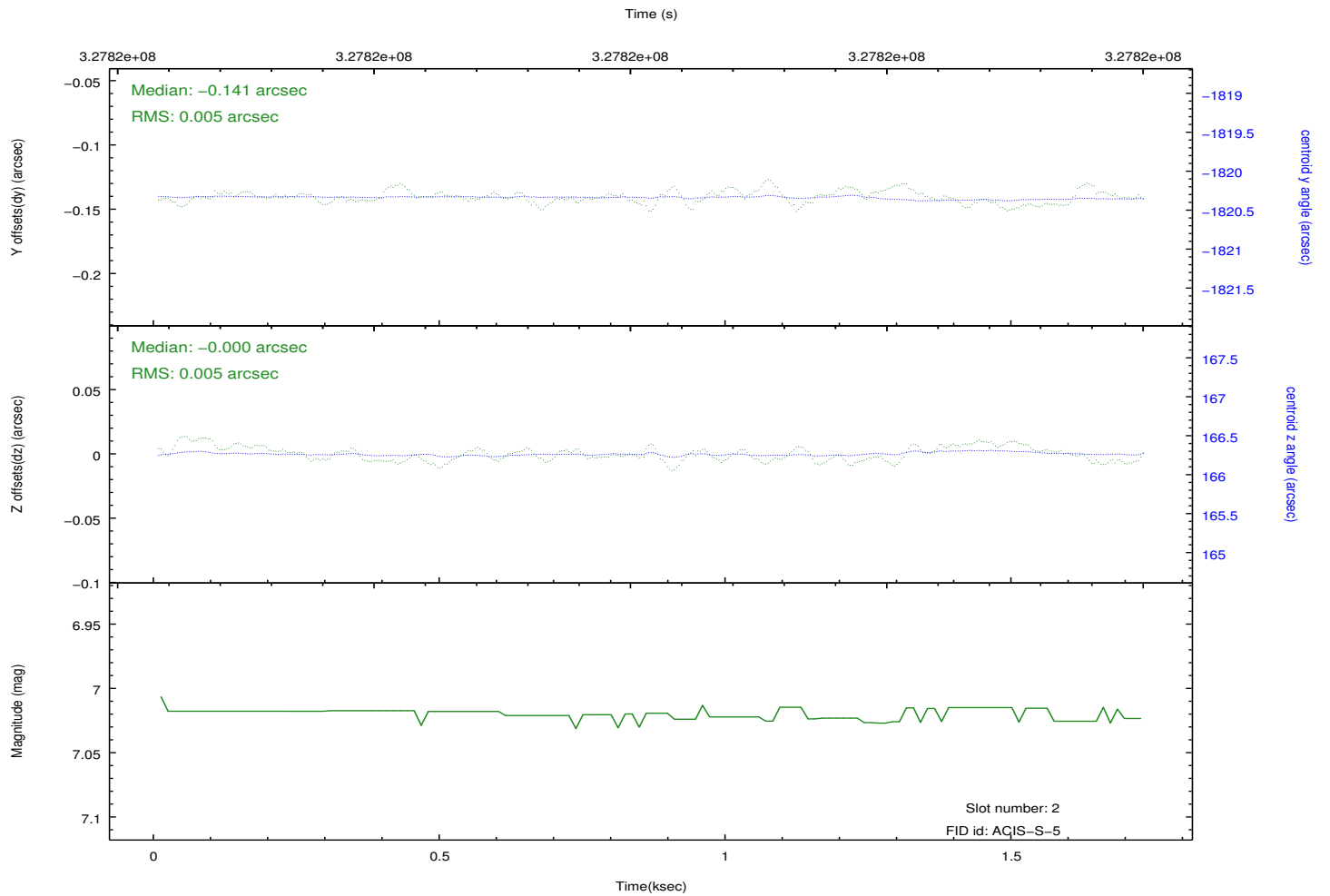
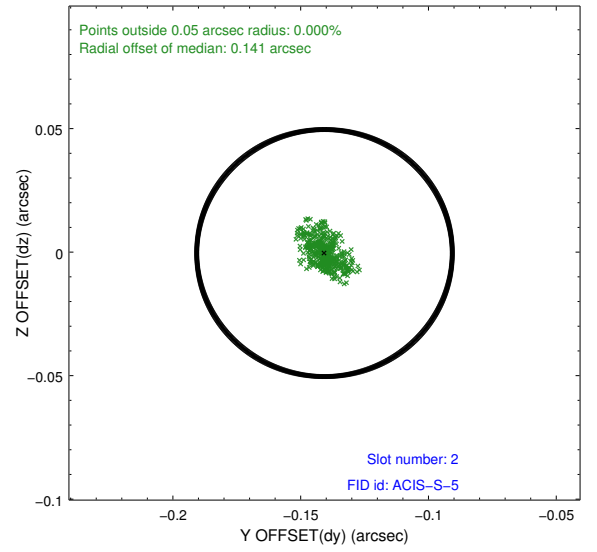
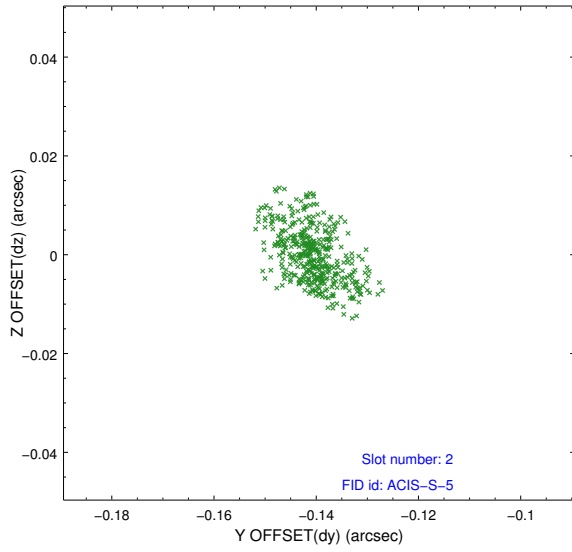
### 2.5.1 Slot 0



## 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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.25119999

## A.2 Comments