

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10273 - L2 Version 2  
Chandra X-Ray Center

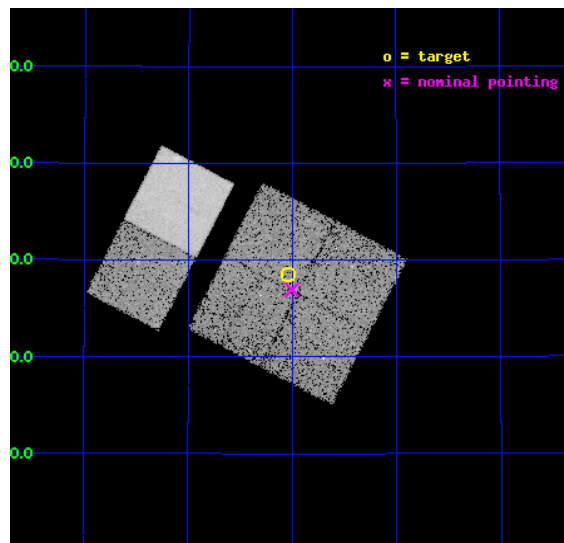
L2 Processing Date : Jun 14 2012

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# 1 Front

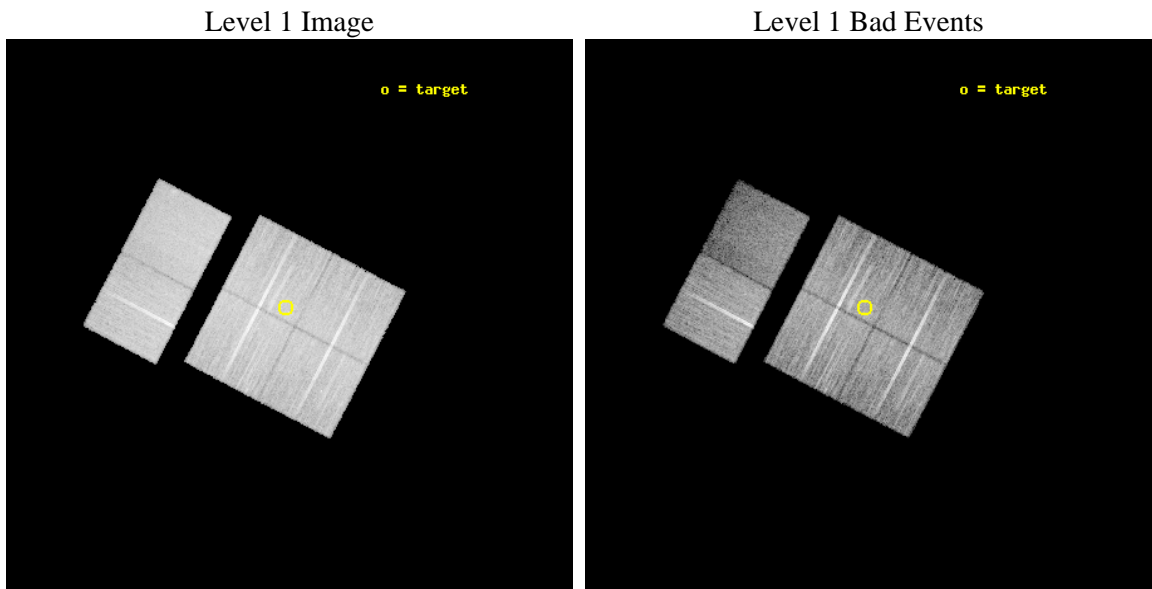
seq_num	701816	Sequence number
obs_id	10273	Observation id
title	Using Chandra and HST to Construct the First Detailed Timeline of Early-Type Galaxy Evolution	Proposal title
observer	Prof. Ann Zabludoff	Principal investigator
object	SDSSJ162702.56+432833.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.760417	Observer's specified target RA [deg]
dec_targ	43.476083	Observer's specified target Dec [deg]
ra_nom	246.75117343417	Nominal RA [deg]
dec_nom	43.448958694416	Nominal Dec [deg]
roll_nom	297.47166708732	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15038.756893277	Sum of GTIs [s]
livetime	14848.327098242	Livetime [s]
ontime0	15038.633773267	Sum of GTIs [s]
ontime1	15038.674813271	Sum of GTIs [s]
ontime2	15038.715853274	Sum of GTIs [s]
ontime3	15038.756893277	Sum of GTIs [s]
ontime6	15038.838973284	Sum of GTIs [s]
ontime7	15038.79793328	Sum of GTIs [s]
l2events	109491	Number of level 2 events



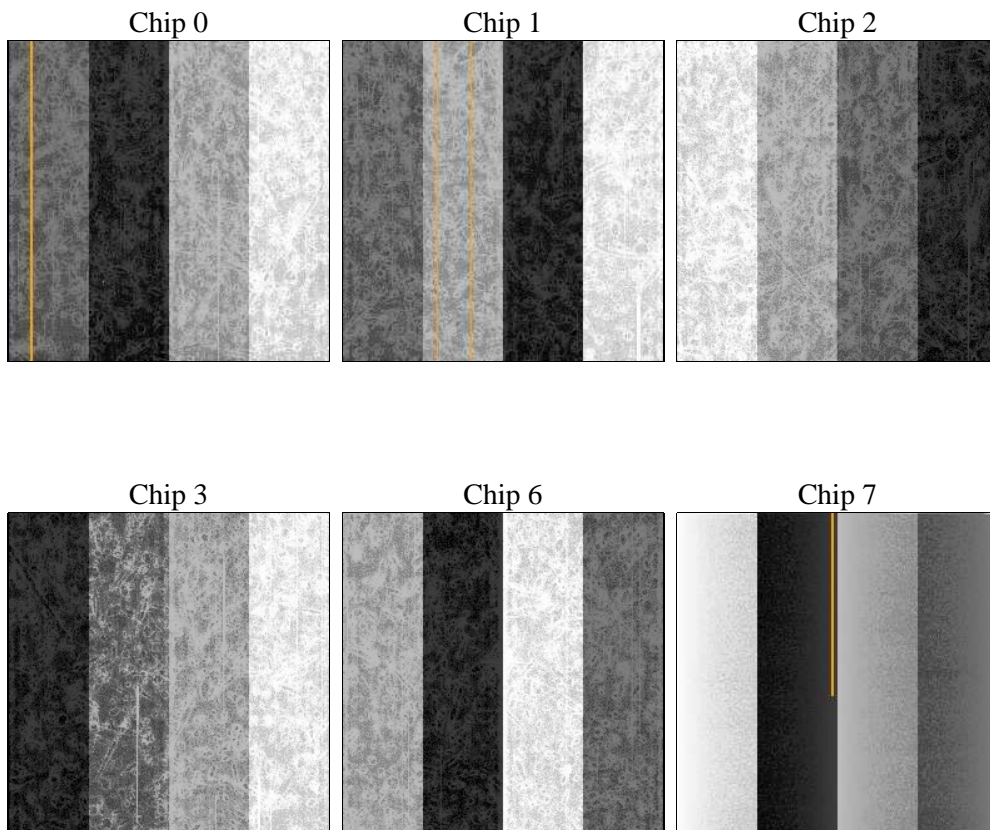
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.394000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15038.756893277	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	15038.633773267	Sum of GTIs [s]
date	2012-06-14T12:37:29	Date and time of file creation	ontime1	15038.674813271	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15038.715853274	Sum of GTIs [s]
			ontime3	15038.756893277	Sum of GTIs [s]
			ontime6	15038.838973284	Sum of GTIs [s]
			ontime7	15038.79793328	Sum of GTIs [s]
			l1events	730891	Number of level 1 events

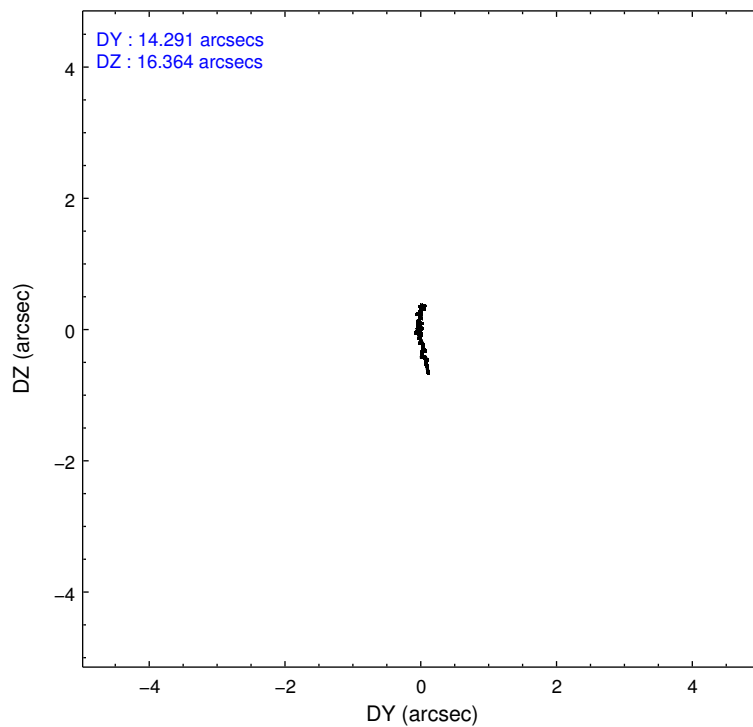
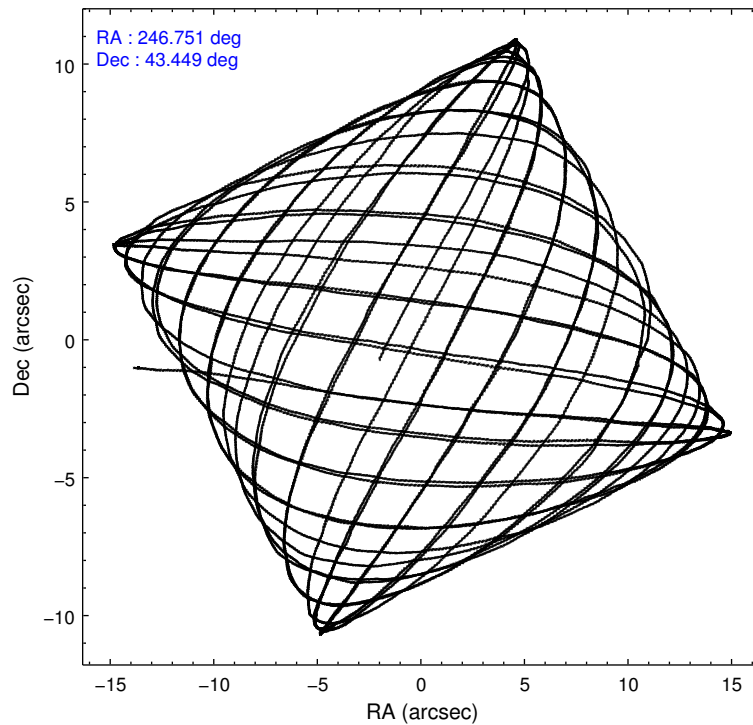
### 2.1.4 Events

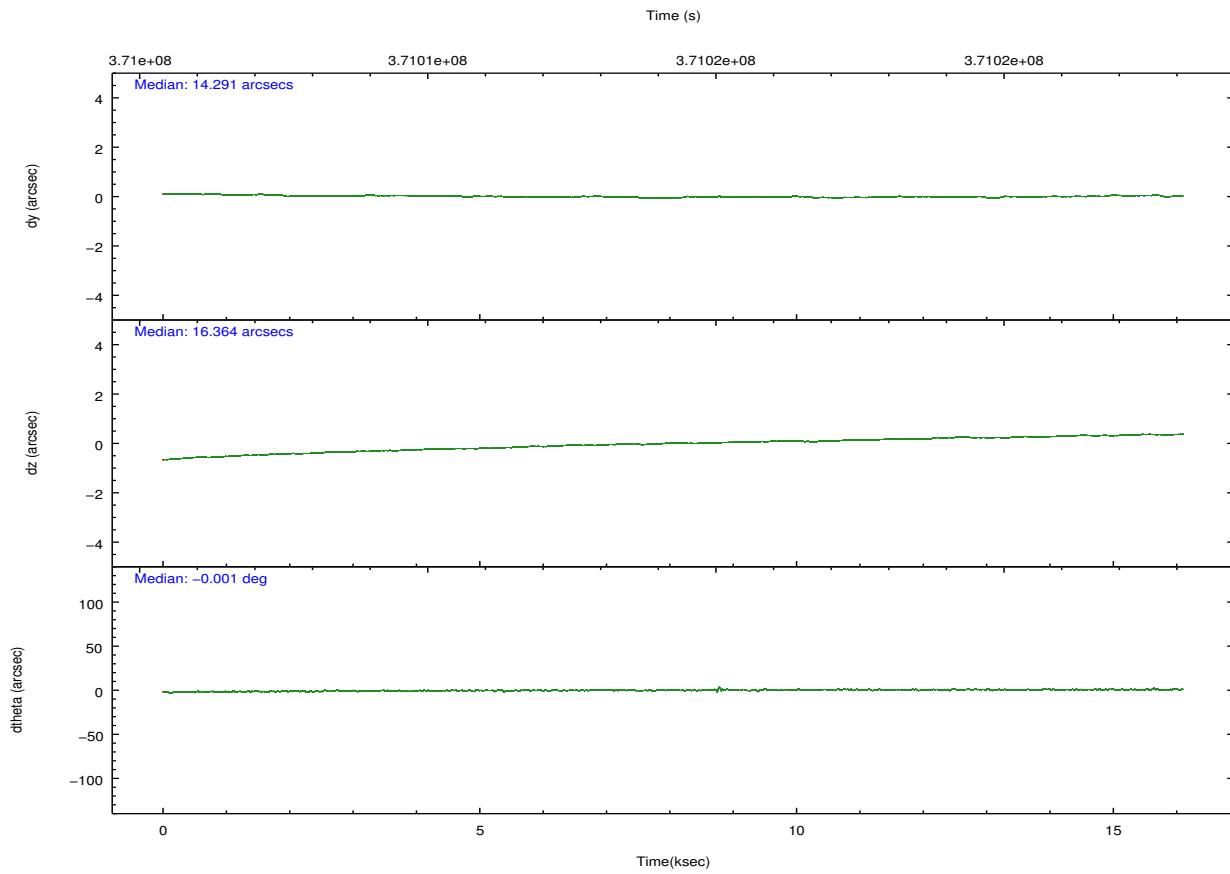
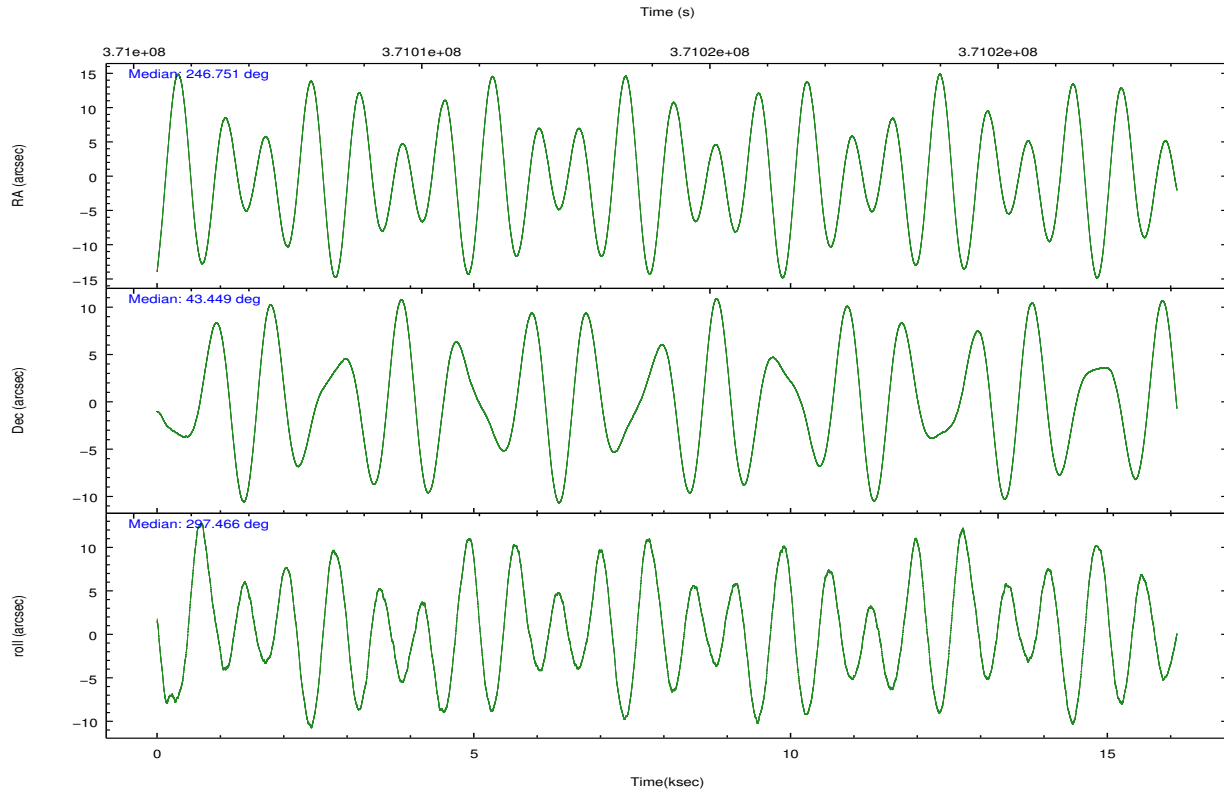
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	114774	114880	130980	123662	125653	120942	grade 0 events	4627	4624	4576	4428	4648	6282
rejected events	102247	101922	118793	111908	112685	61006		4%	4%	3%	3%	3%	5%
rejected %	89%	88%	90%	90%	89%	50%	grade 1 events	72	55	87	82	76	196
								0%	0%	0%	0%	0%	0%
							grade 2 events	3060	2865	3027	2595	2979	13020
								2%	2%	2%	2%	2%	10%
							grade 3 events	1364	1488	1198	1318	1358	5556
								1%	1%	0%	1%	1%	4%
							grade 4 events	1268	1419	1311	1240	1363	5565
								1%	1%	1%	1%	1%	4%
							grade 5 events	3754	4139	3609	4416	4346	12818
								3%	3%	2%	3%	3%	10%
							grade 6 events	2213	2569	2080	2177	2624	29540
								1%	2%	1%	1%	2%	24%
							grade 7 events	98416	97721	115092	107406	108259	47965
								85%	85%	87%	86%	86%	39%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	246.719133	246.7511734341714	CCD I2 on	Y	Y
[deg] Pointing Dec	43.463636	43.44895869441634	CCD I3 on	Y	Y
[deg] Pointing Roll	297.285027	297.4716670873163	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5899487761303	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.002504226799430853	CCD S4 on	N	N
[s] Observation start time (MET)	371007305.184000	371005846.18669	CCD S5 on	N	N
Observation start date	2009-10-04T01:33:59	2009-10-04T01:10:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	371022306.184000	371022541.90003	On-chip summing requested	N	N
Observation end date	2009-10-04T05:44:00	2009-10-04T05:49:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



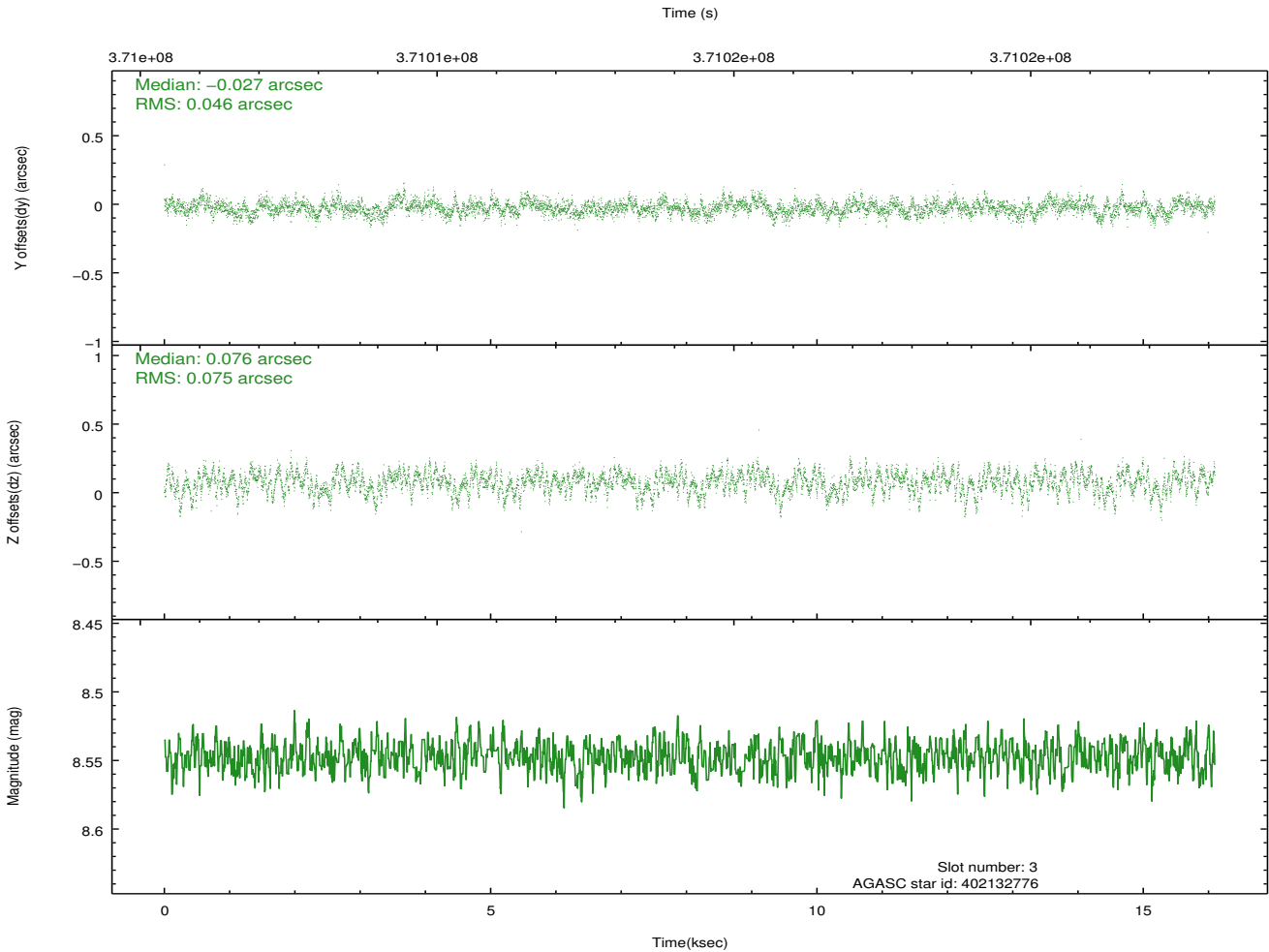
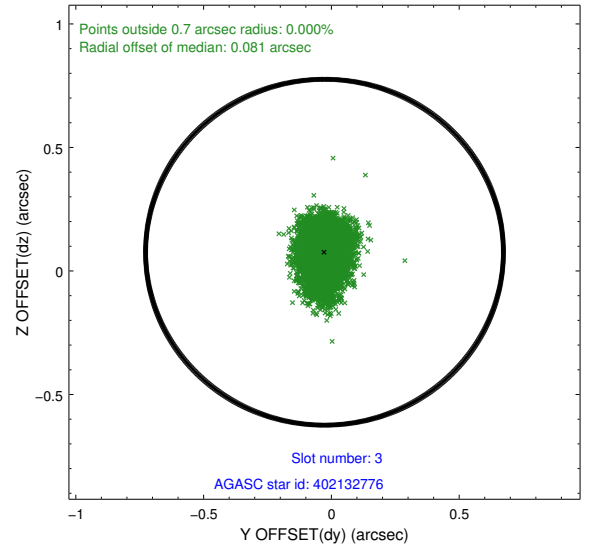
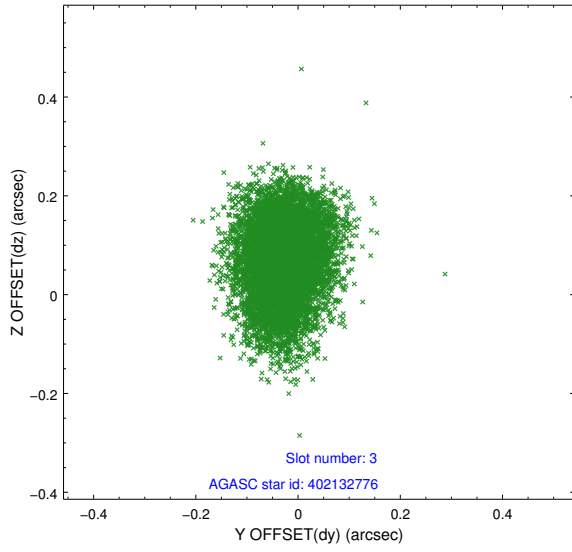


### Slot Statistics

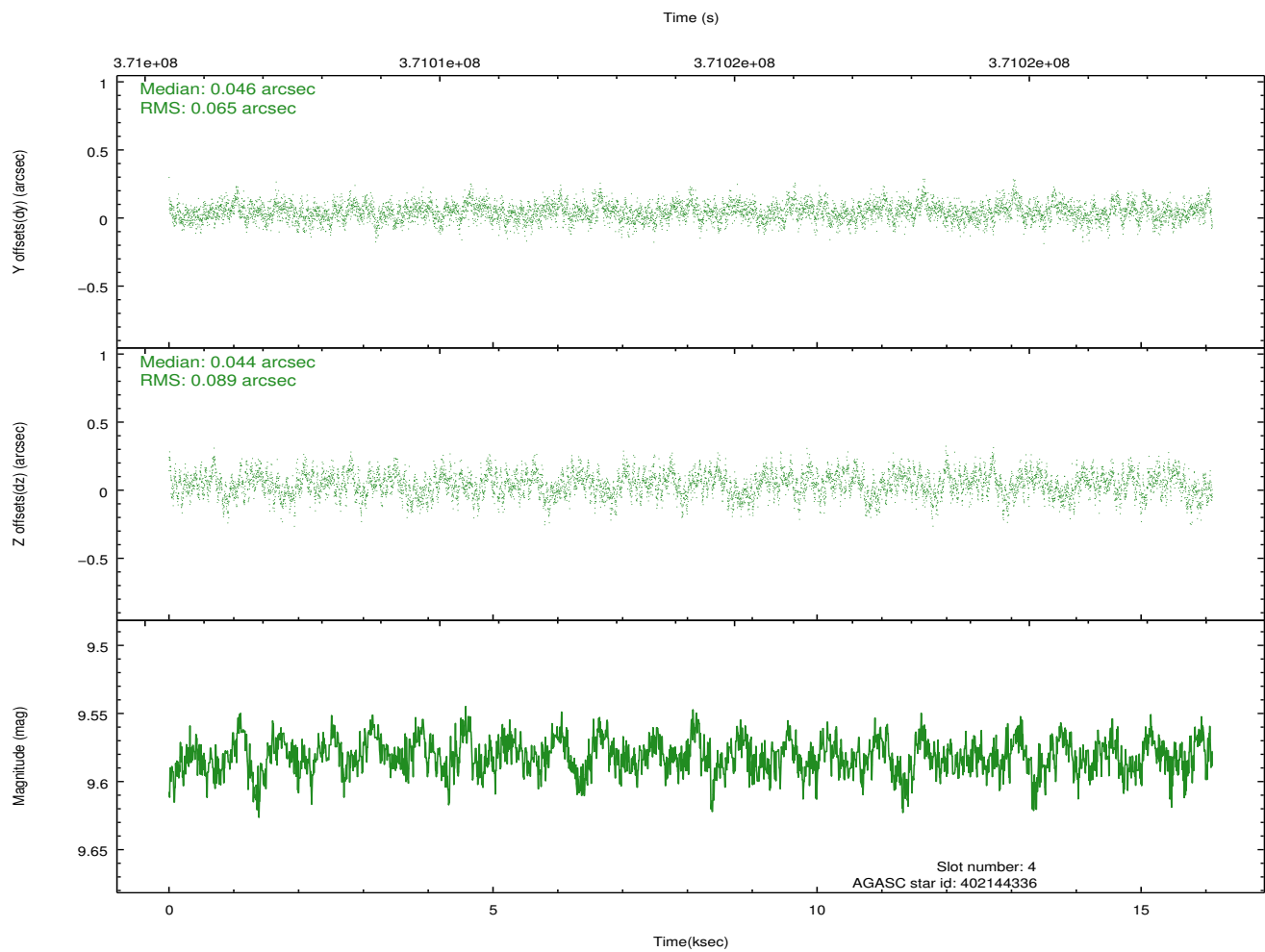
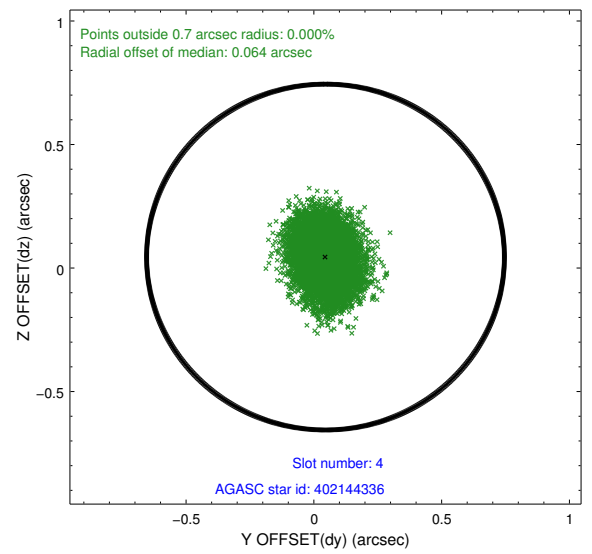
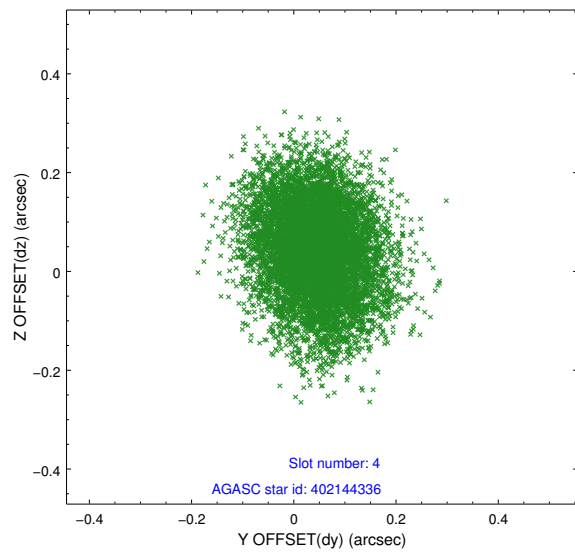
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	3926	0.068	-0.043	0.009	0.016	0.000000	0.000000	925.23	-839.96
1	FID	ACIS-I-5	7.06	3927	-0.224	0.064	0.010	0.016	0.000000	0.000000	-1822.99	1057.54
2	FID	ACIS-I-6	7.06	3927	0.065	0.050	0.009	0.016	0.000000	0.000000	390.51	1702.30
3	GUIDE	402132776	8.55	7843	-0.027	0.076	0.092	0.156	245.994095	43.074161	365.14	-2333.35
4	GUIDE	402144336	9.58	7839	0.046	0.044	0.117	0.192	245.782785	43.646488	-1714.85	-1860.07
5	GUIDE	402266816	8.17	7850	-0.015	0.018	0.066	0.106	247.347133	43.015709	2185.33	732.92
6	GUIDE	402270712	8.90	7844	-0.010	-0.058	0.115	0.183	247.422908	43.751154	-87.37	2104.71
7	GUIDE	402272320	8.75	7844	0.009	-0.050	0.175	0.239	247.050071	43.390897	628.28	650.55

## 2.4 Star Slots

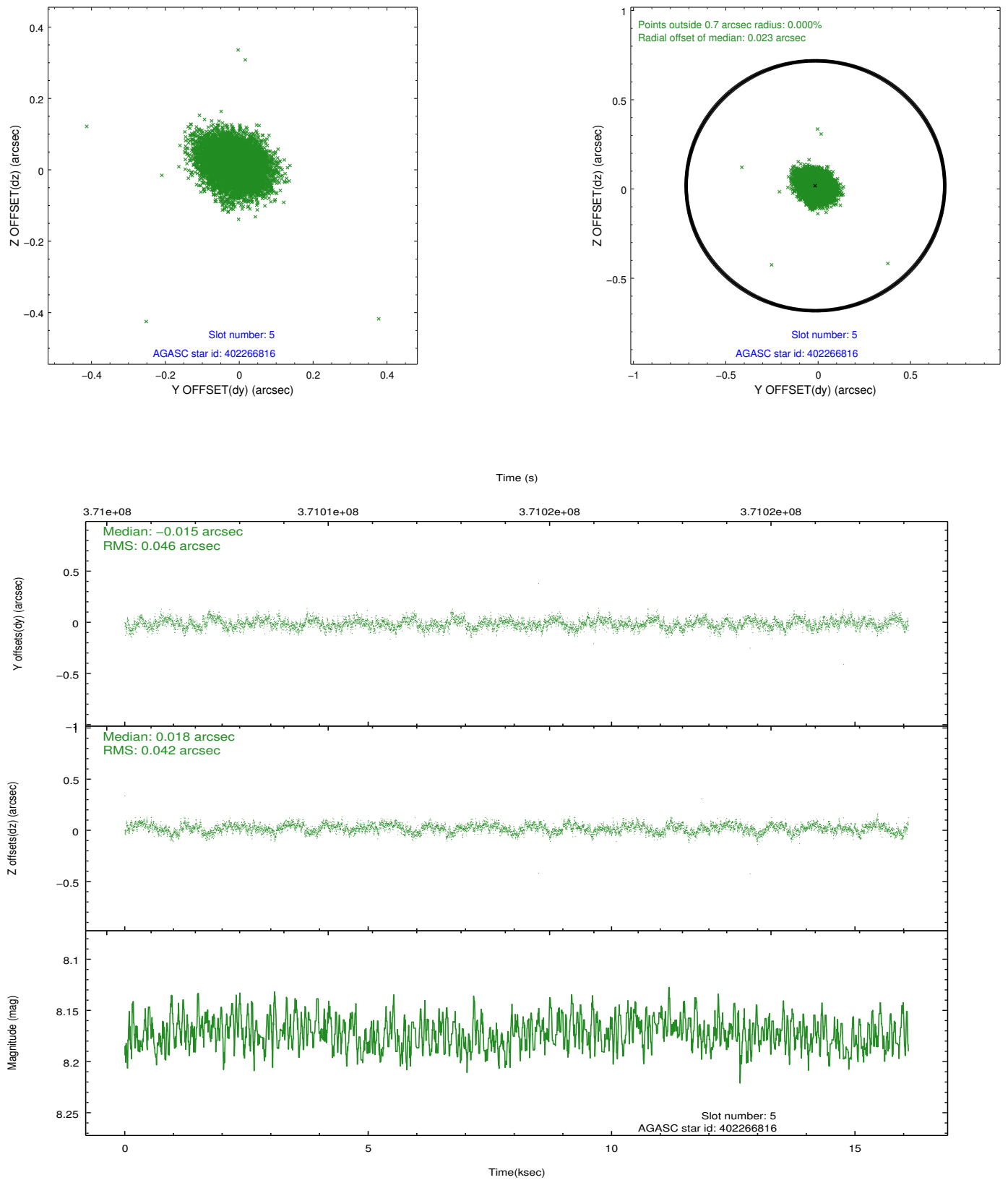
### 2.4.1 Slot 3



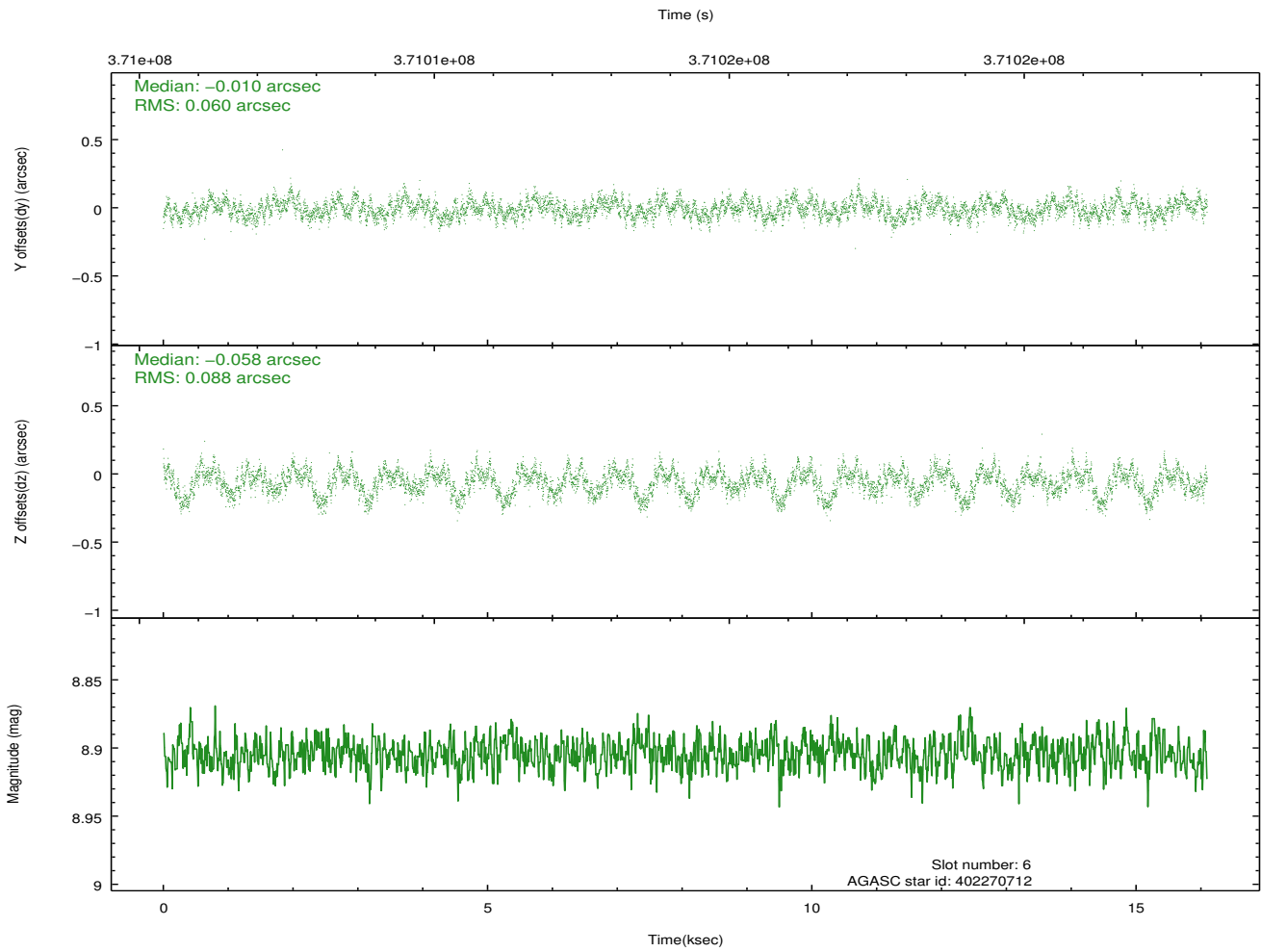
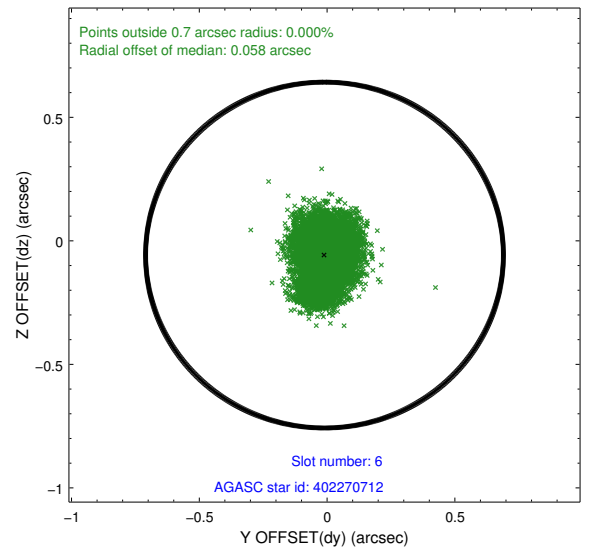
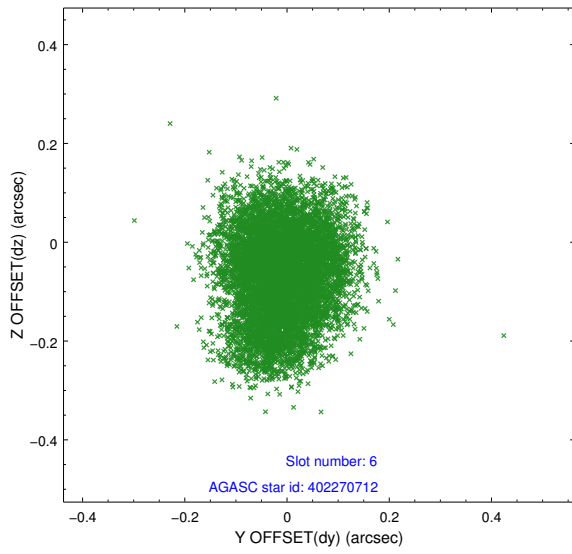
## 2.4.2 Slot 4



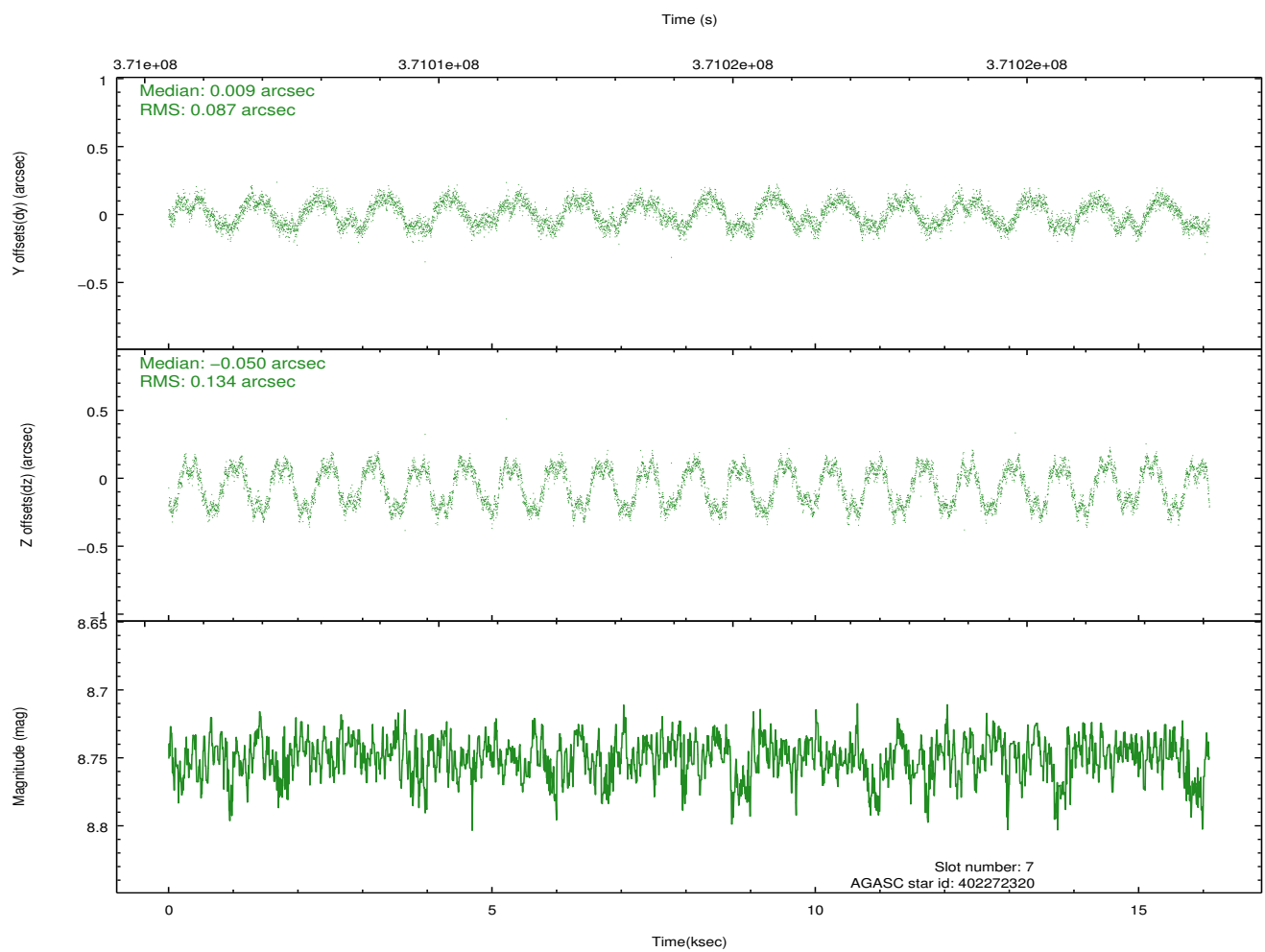
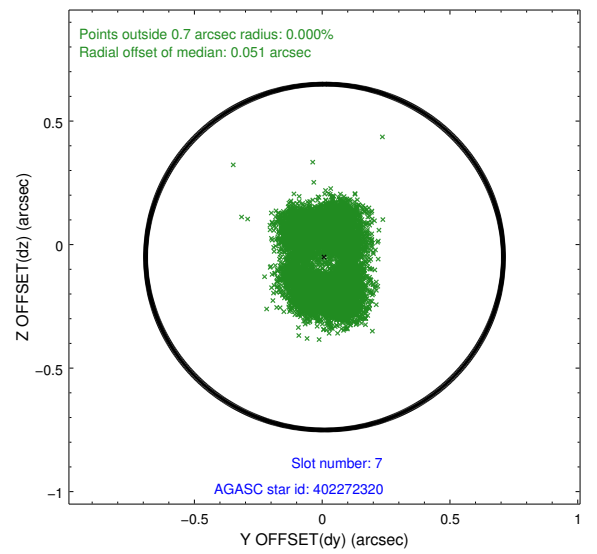
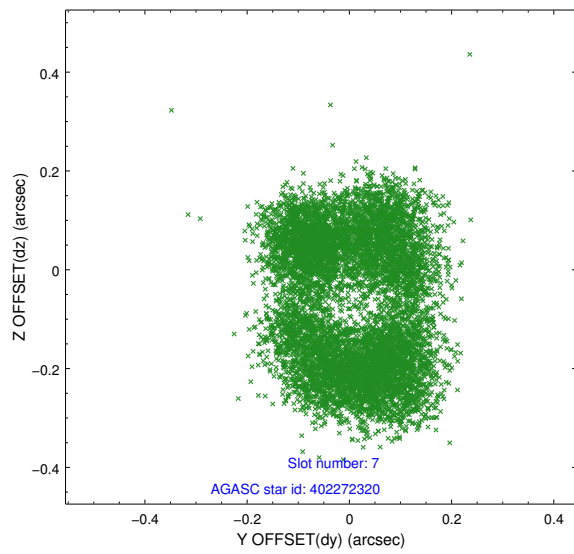
### 2.4.3 Slot 5



### 2.4.4 Slot 6

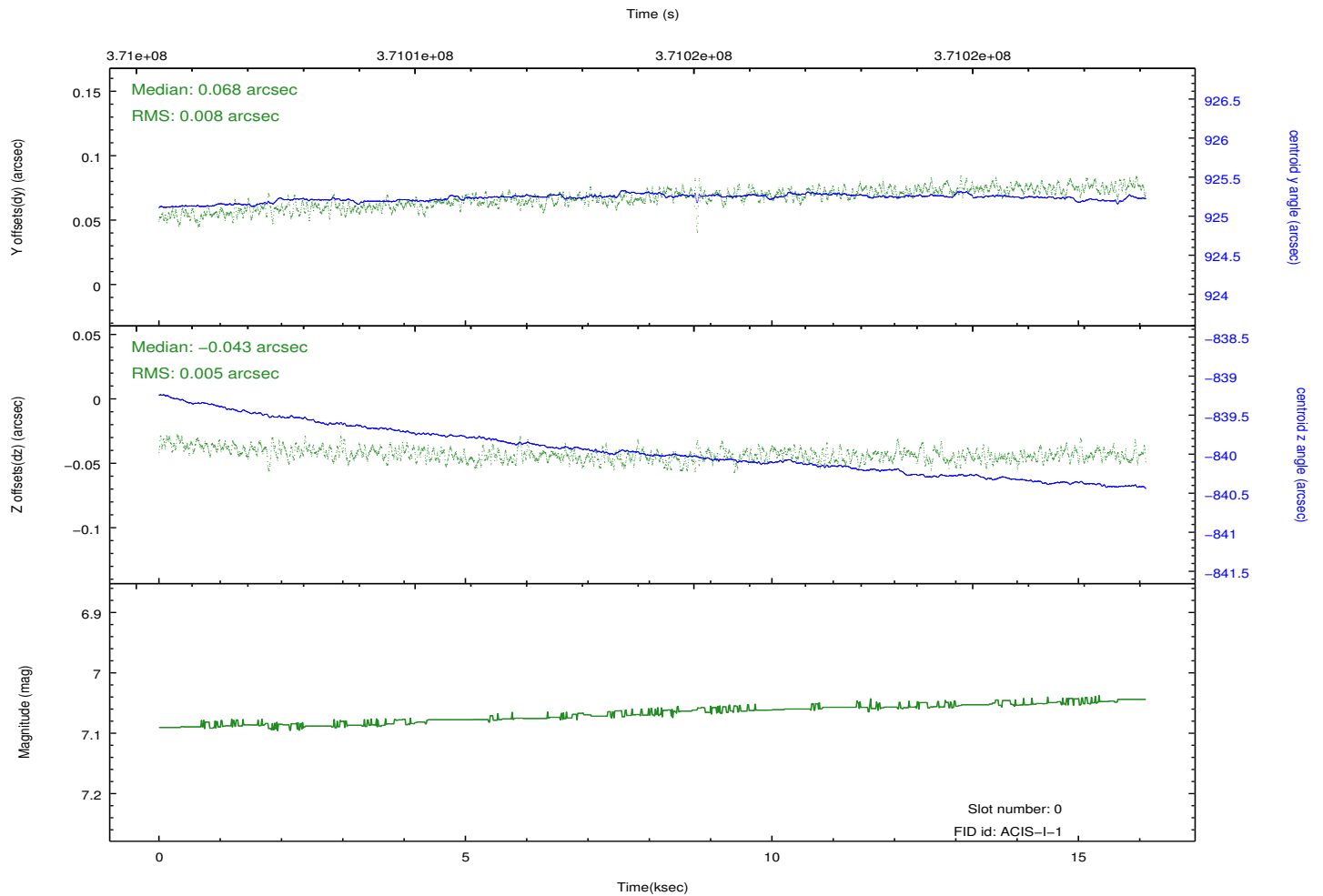
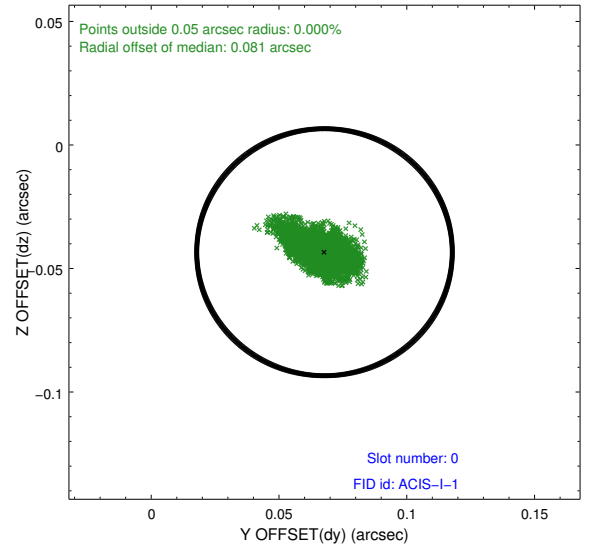
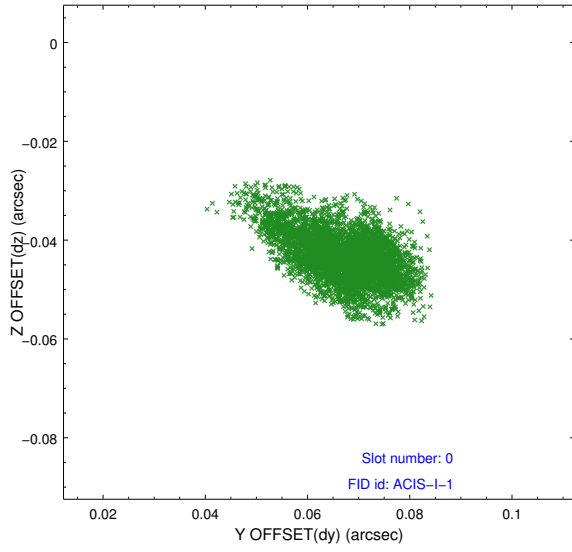


## 2.4.5 Slot 7

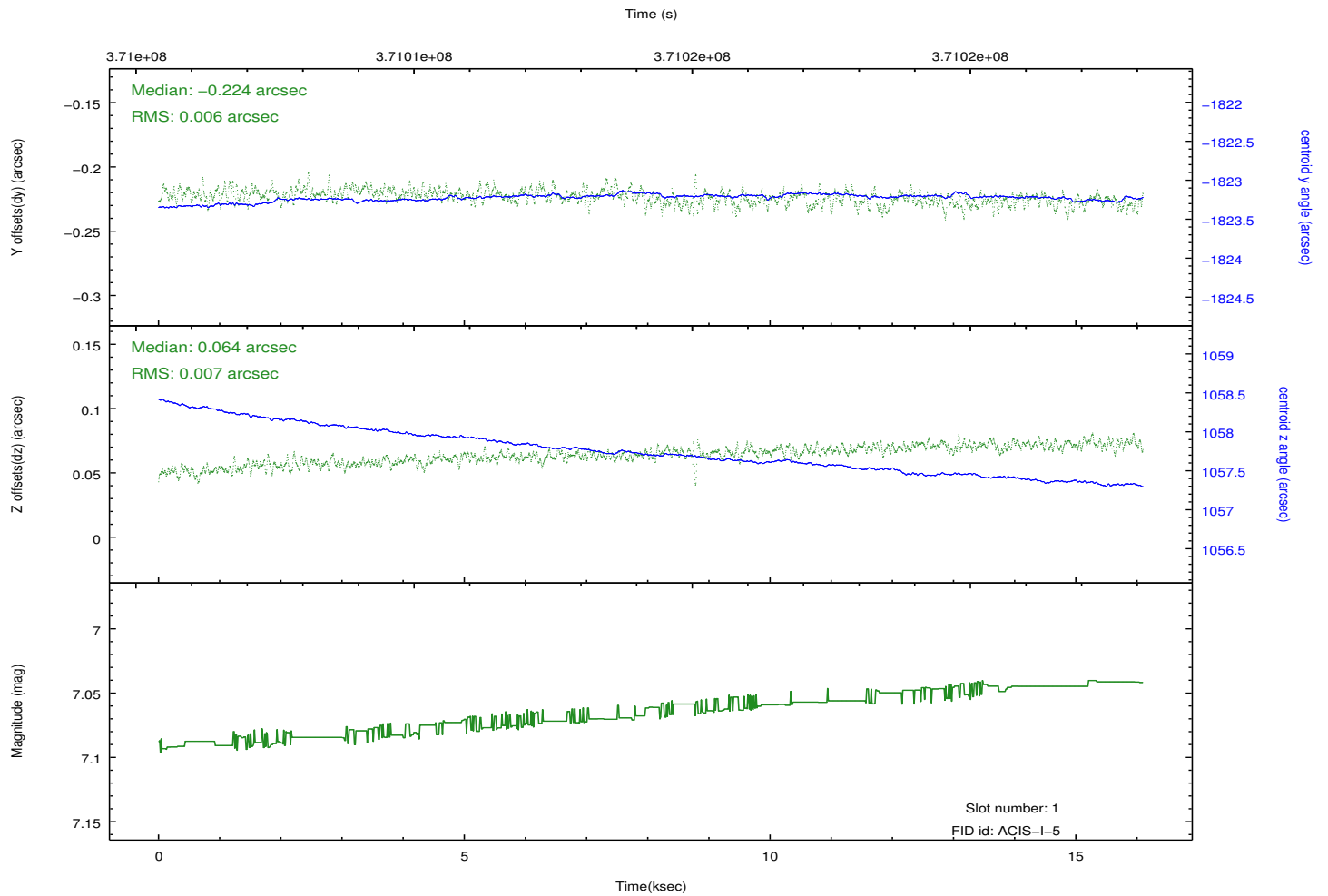
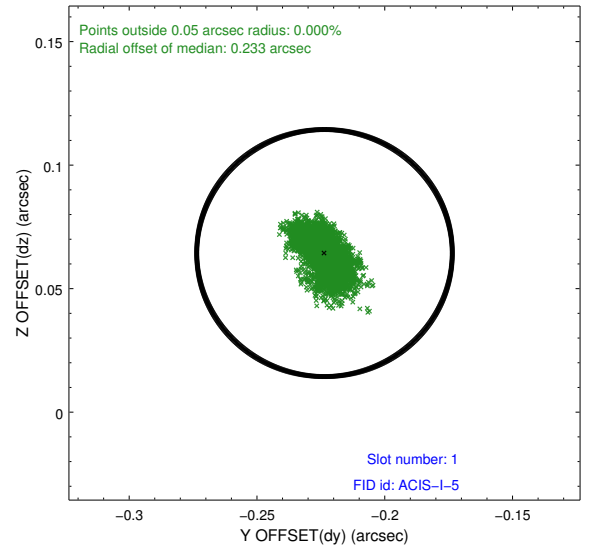
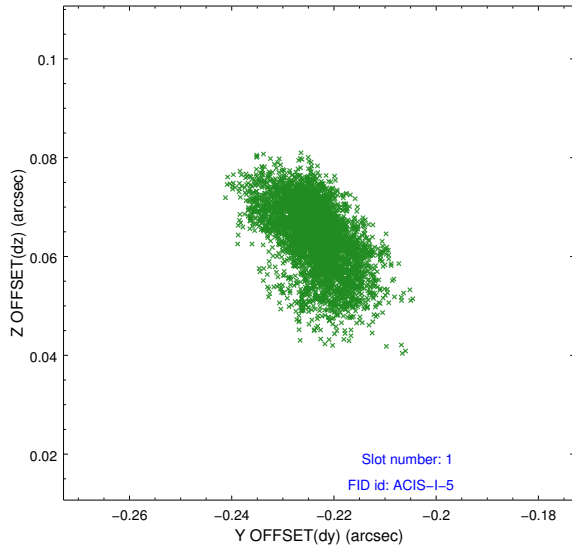


## 2.5 FID Slots

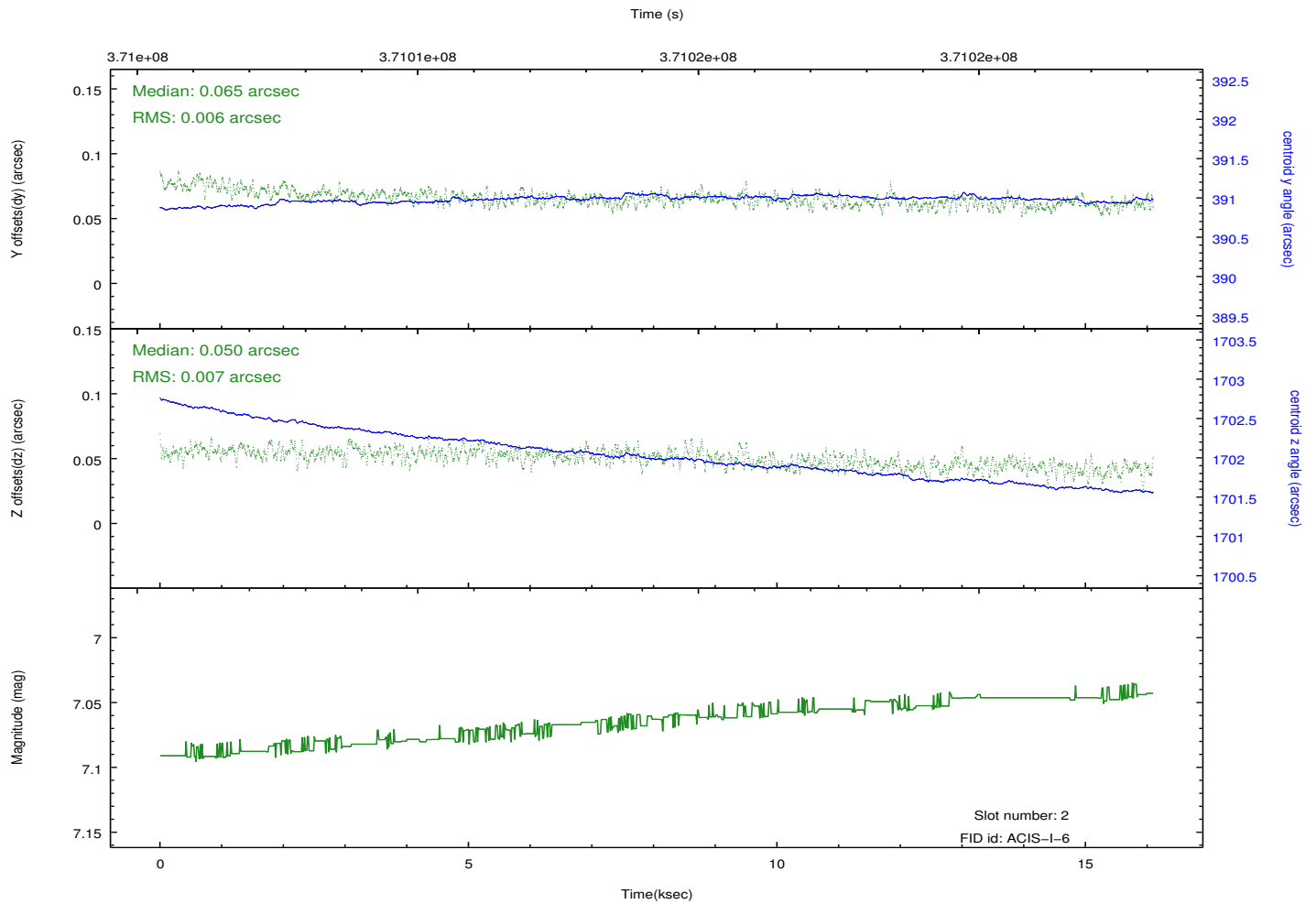
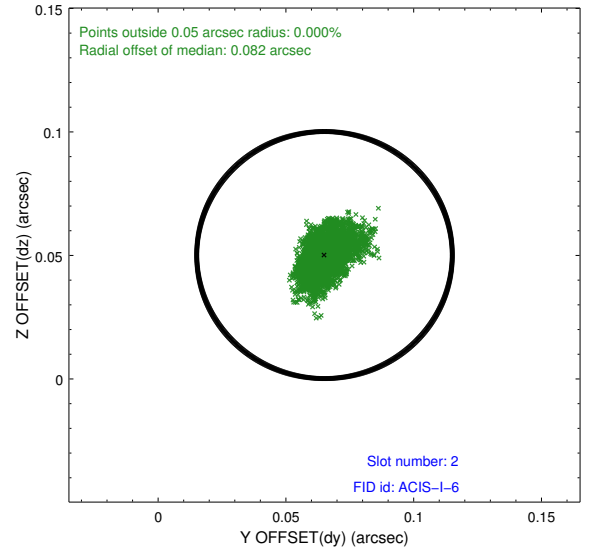
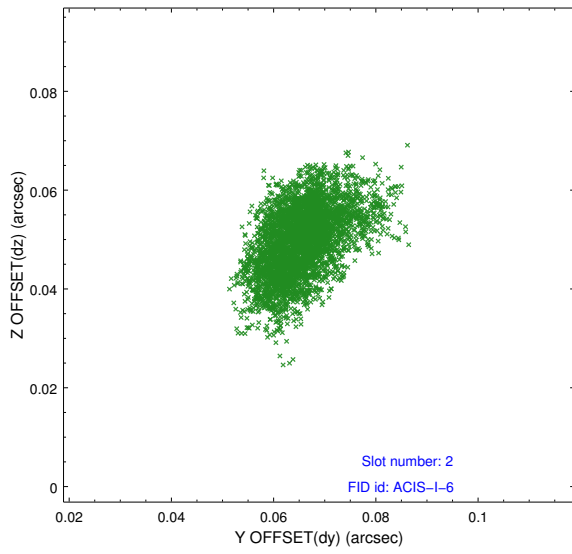
### 2.5.1 Slot 0



## 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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.038756895602

## A.2 Comments

Joint Proposal: CX0-HST