

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18772 - L2 Version 1
Chandra X-Ray Center

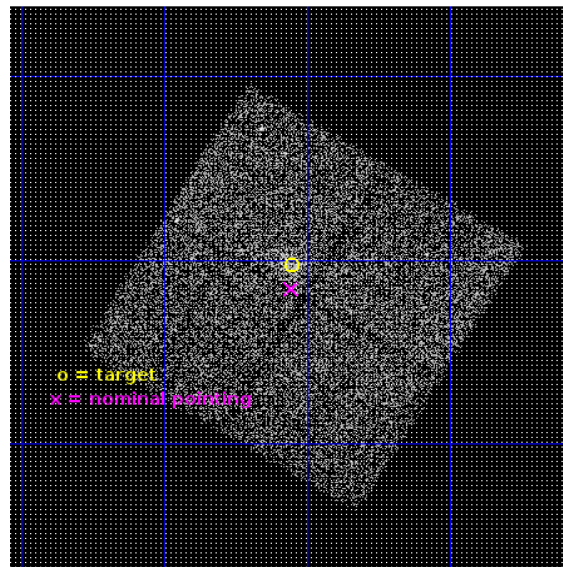
L2 Processing Date : Oct 6 2016

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1 Front

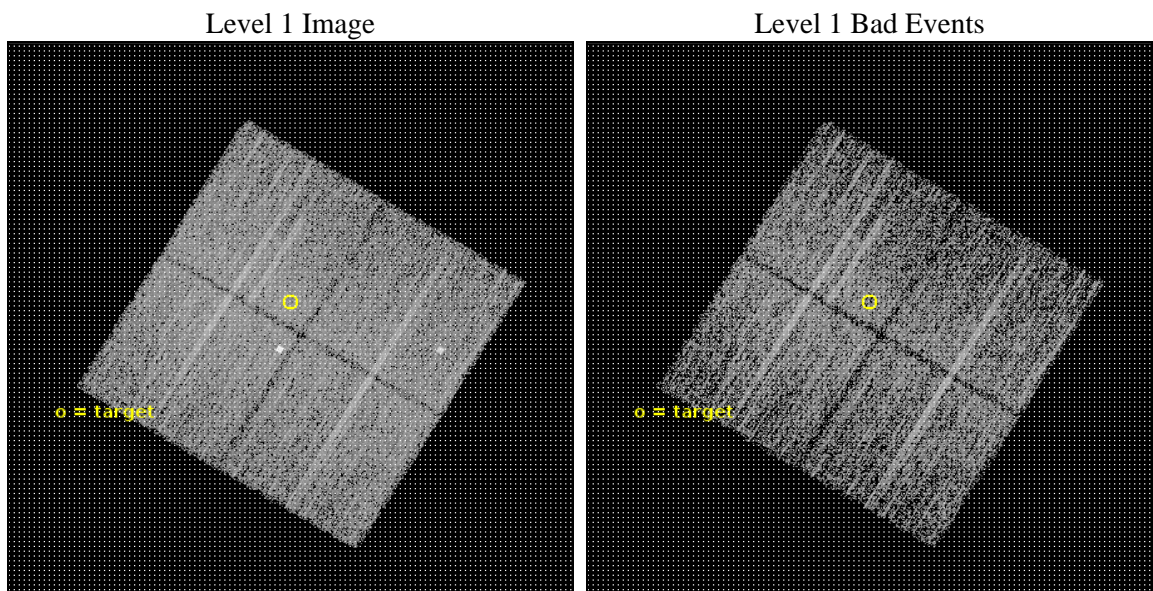
seq_num	801647	Sequence number
obs_id	18772	Observation id
title	Probing the extreme mass peaks at $z>0.7$	Proposal title
observer	Monique ARNAUD	Principal investigator
object	PSZ2 G071.82-56.55	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	347.38799	Observer's specified target RA [deg]
dec_targ	-4.171361	Observer's specified target Dec [deg]
ra_nom	347.38858034877	Nominal RA [deg]
dec_nom	-4.1925939755159	Nominal Dec [deg]
roll_nom	301.20875347554	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10074.958987355	Sum of GTIs [s]
livetime	9943.3222311085	Livetime [s]
ontime0	10078.100077629	Sum of GTIs [s]
ontime1	10078.100077629	Sum of GTIs [s]
ontime2	10078.100077629	Sum of GTIs [s]
ontime3	10074.958987355	Sum of GTIs [s]
l2events	24580	Number of level 2 events



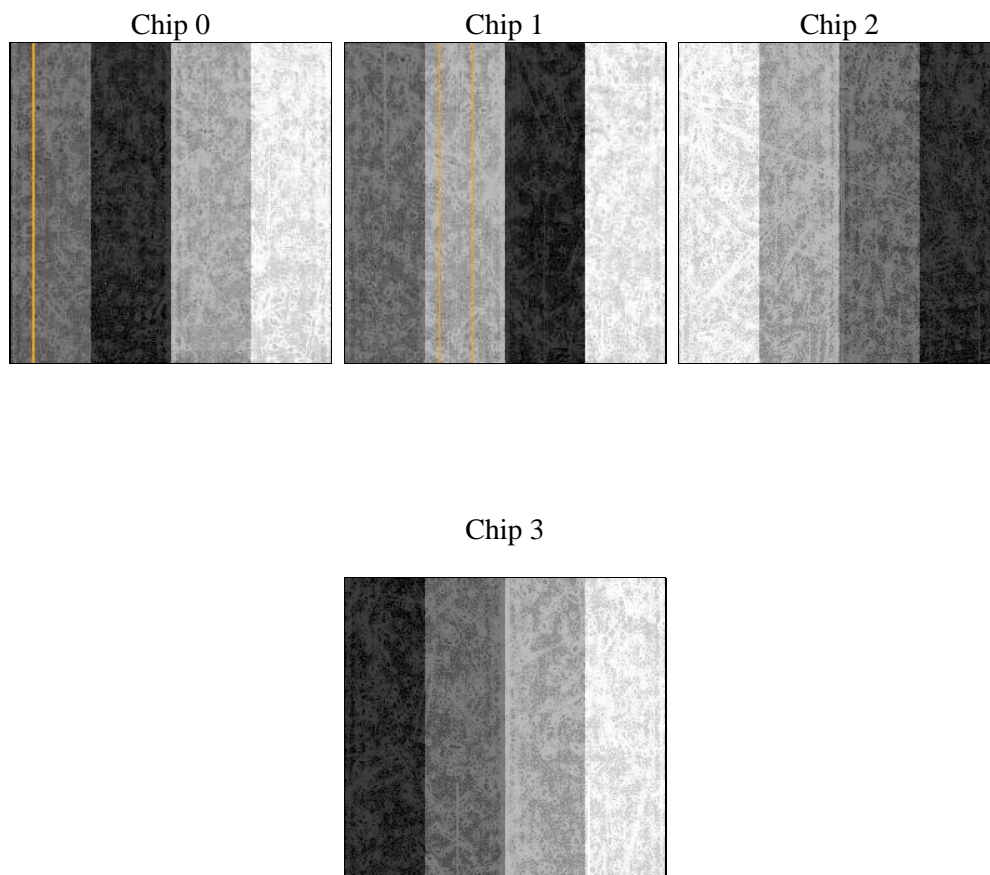
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	10074.958987355	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	10078.100077629	Sum of GTIs [s]
date	2016-10-06T19:05:53	Date and time of file creation	ontime1	10078.100077629	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10078.100077629	Sum of GTIs [s]
			ontime3	10074.958987355	Sum of GTIs [s]
			l1events	259851	Number of level 1 events

2.1.4 Events

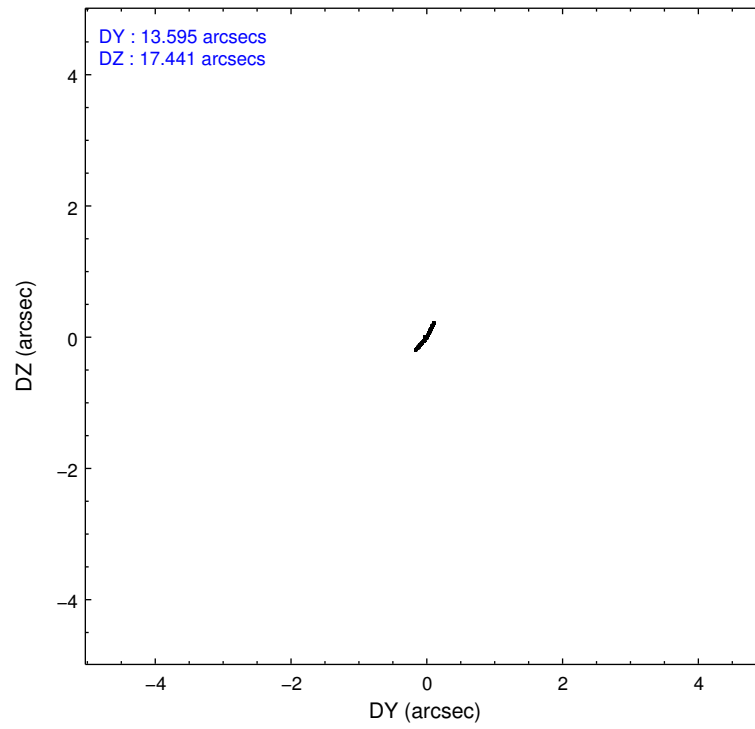
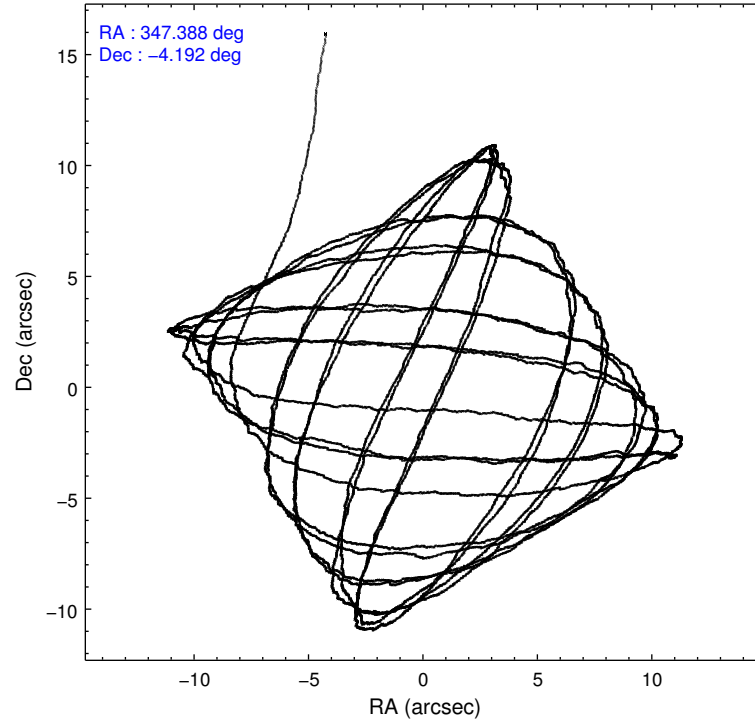
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	61063	62429	69664	66695
rejected events	53967	53612	59621	59249
rejected %	88%	85%	85%	88%

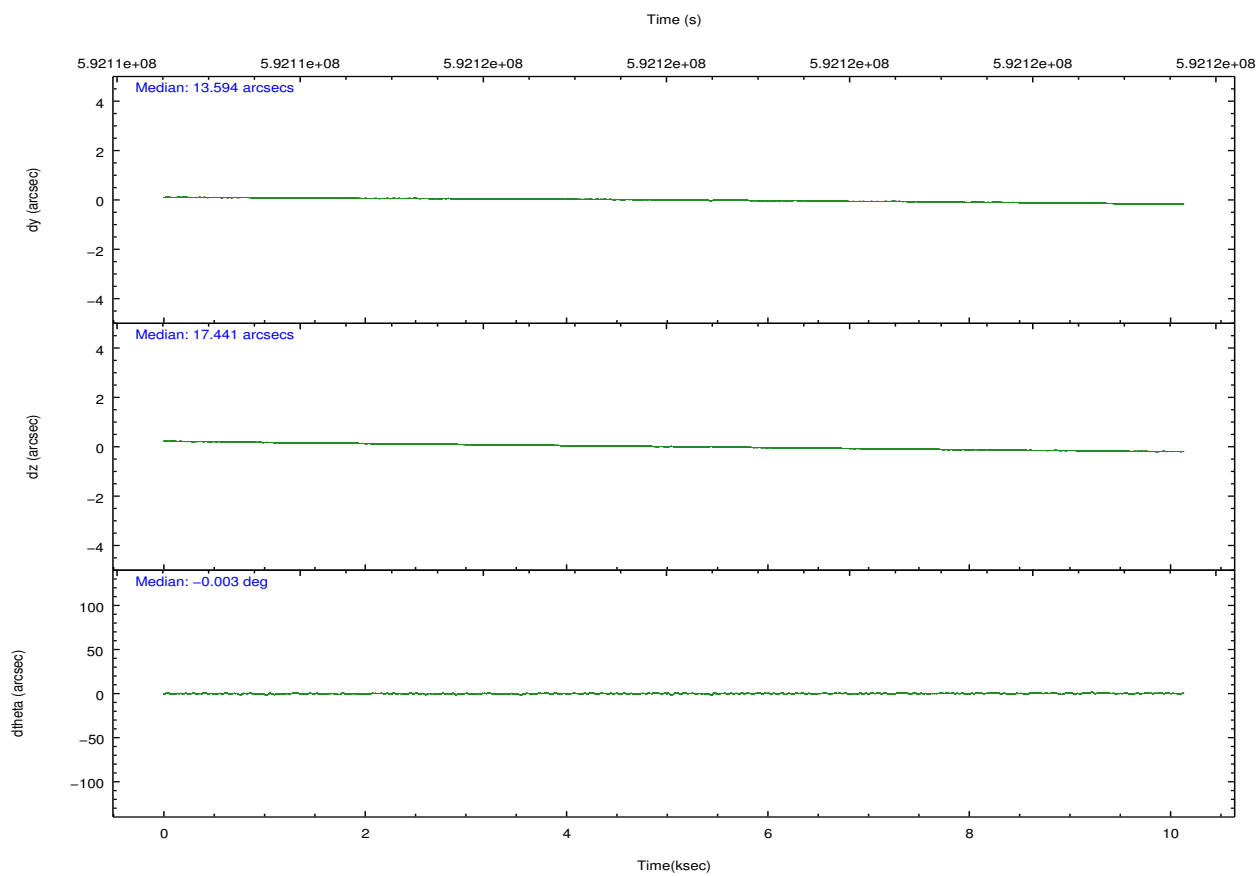
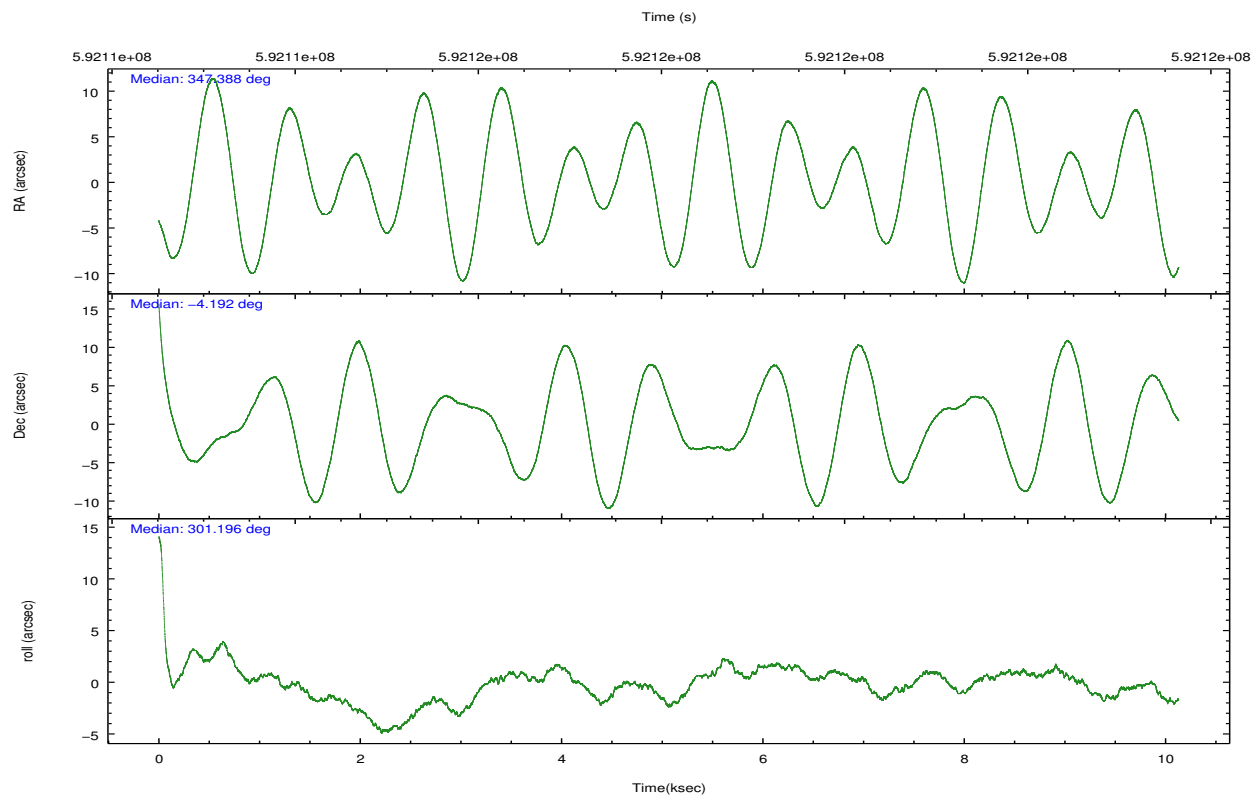
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2334	3594	5487	2744
	3%	5%	7%	4%
grade 1 events	30	50	67	45
	0%	0%	0%	0%
grade 2 events	1751	1823	1675	1642
	2%	2%	2%	2%
grade 3 events	765	799	725	785
	1%	1%	1%	1%
grade 4 events	717	791	749	749
	1%	1%	1%	1%
grade 5 events	2865	2949	2677	3177
	4%	4%	3%	4%
grade 6 events	1531	1811	1409	1526
	2%	2%	2%	2%
grade 7 events	51070	50612	56875	56027
	83%	81%	81%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	347.364306	347.3885803487685	CCD I2 on	Y	Y
[deg] Pointing Dec	-4.179412	-4.192593975515857	CCD I3 on	Y	Y
[deg] Pointing Roll	300.998270	301.2087534755386	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	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	592113154.184000	592111702.23016	CCD S5 on	N	N
Observation start date	2016-10-06T03:51:26	2016-10-06T03:28:22	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	592123154.184000	592124253.35588	On-chip summing requested	N	N
Observation end date	2016-10-06T06:38:06	2016-10-06T06:57:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



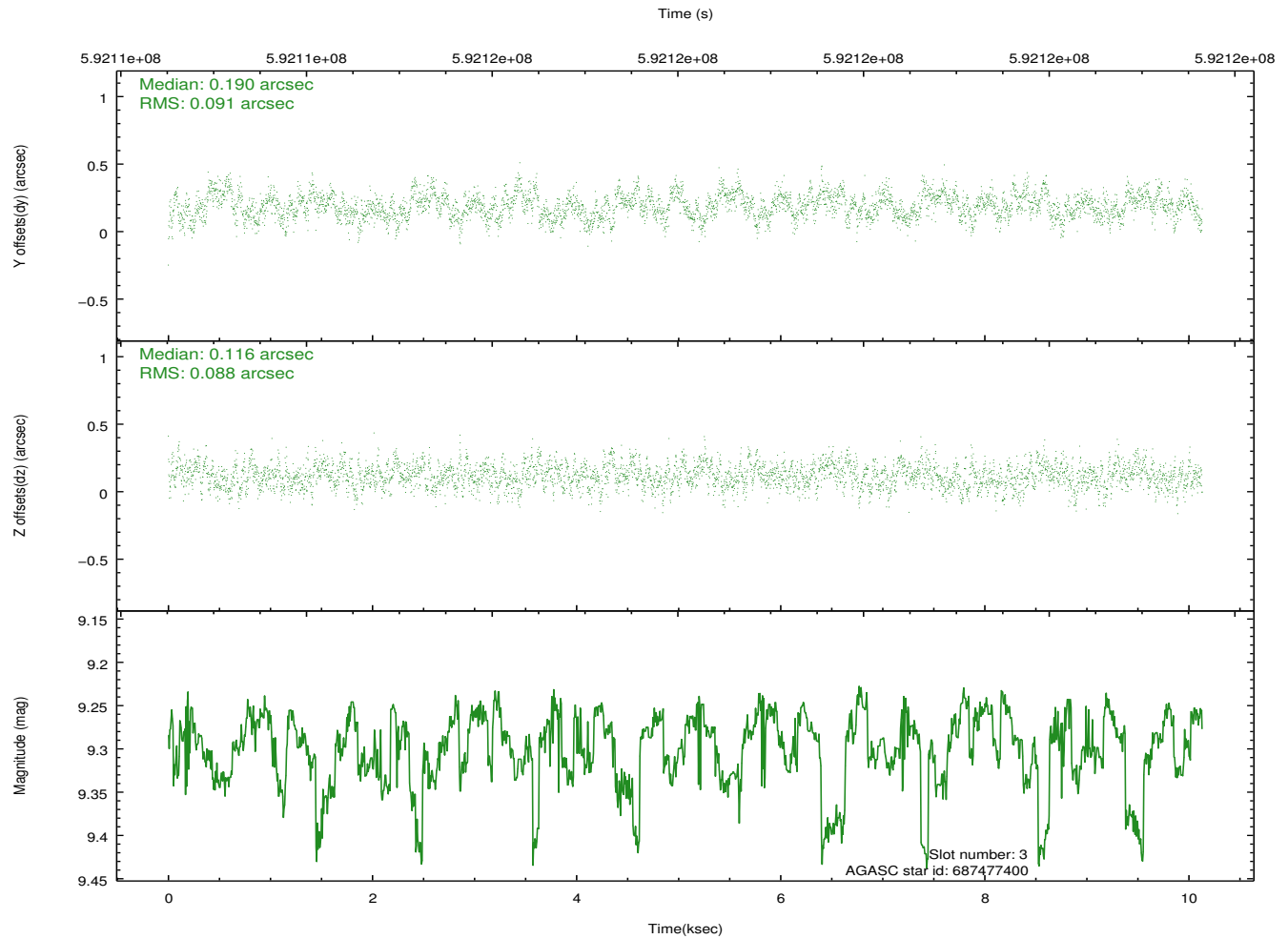
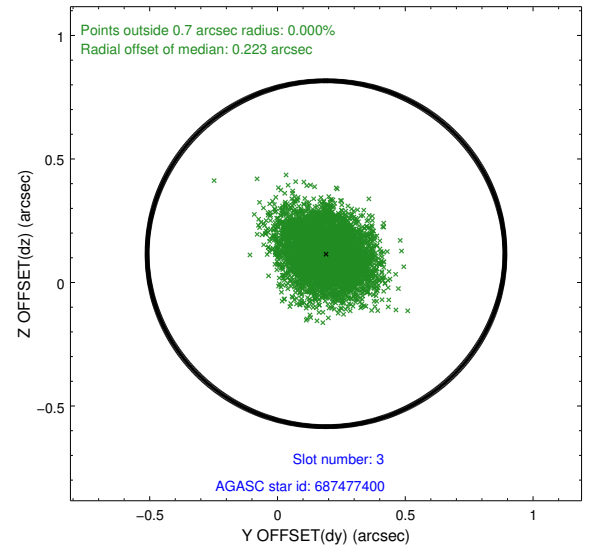
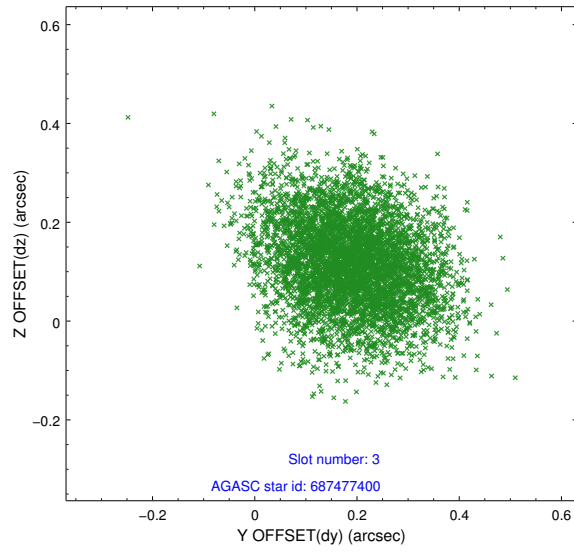


Slot Statistics

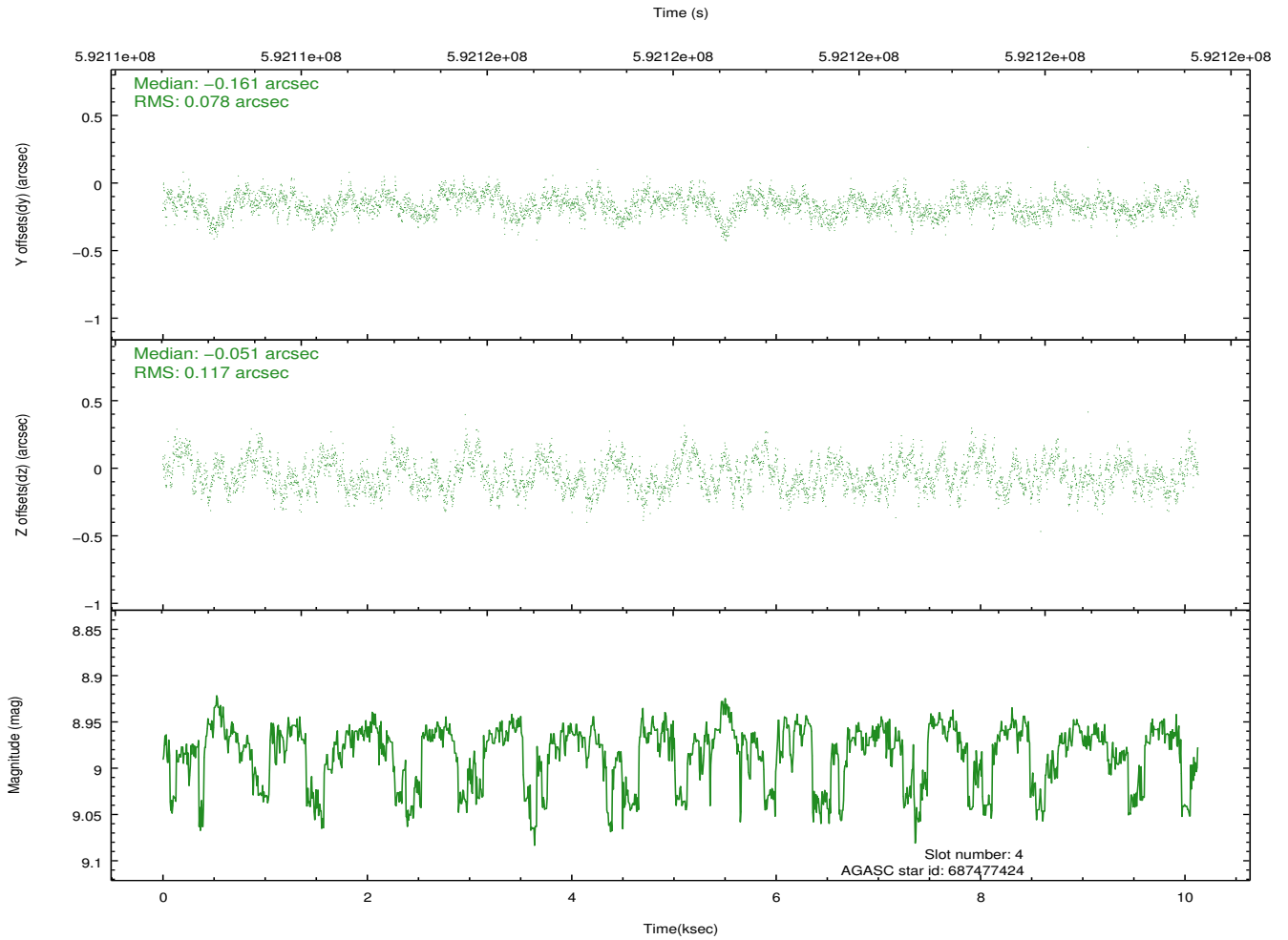
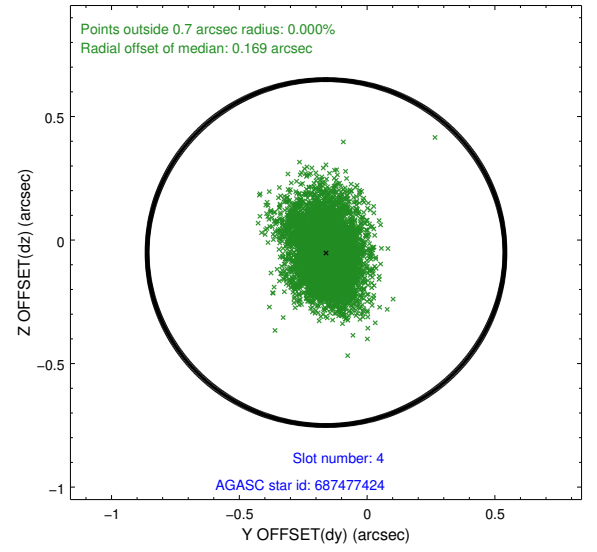
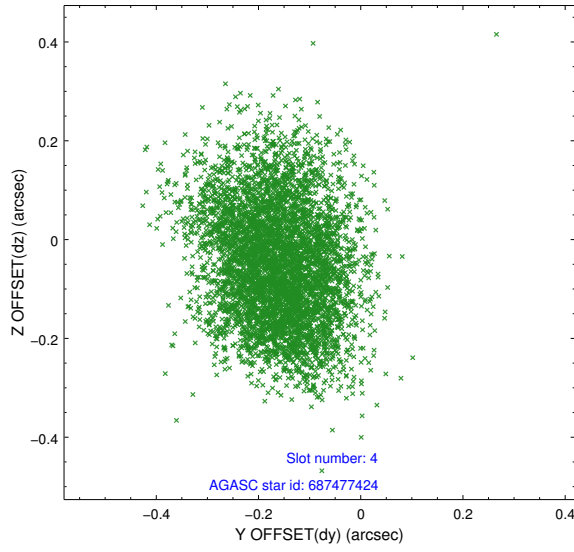
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.21	2471	0.089	-0.063	0.010	0.017	0.000000	0.000000	926.03	-841.15
1	FID		ACIS-I-5	7.22	2471	-0.337	0.052	0.006	0.010	0.000000	0.000000	-1822.27	1056.12
2	FID		ACIS-I-6	7.21	2471	0.156	0.082	0.010	0.016	0.000000	0.000000	391.00	1701.30
3	GUIDE	used	687477400	9.30	4937	0.190	0.116	0.135	0.219	347.163621	-4.779048	1480.83	-1728.27
4	GUIDE	used	687477424	8.98	4937	-0.161	-0.051	0.150	0.242	346.977410	-4.776759	1130.03	-2297.60
5	GUIDE	used	687481192	9.63	4937	0.175	0.297	0.256	0.366	347.313096	-3.938589	-836.96	288.73
6	GUIDE	used	687604288	9.10	4938	-0.006	-0.289	0.154	0.239	347.788378	-4.321994	1224.55	1040.97
7	GUIDE	used	687609080	8.32	4939	-0.200	-0.070	0.147	0.221	347.701827	-3.514059	-1428.33	2273.20

2.4 Star Slots

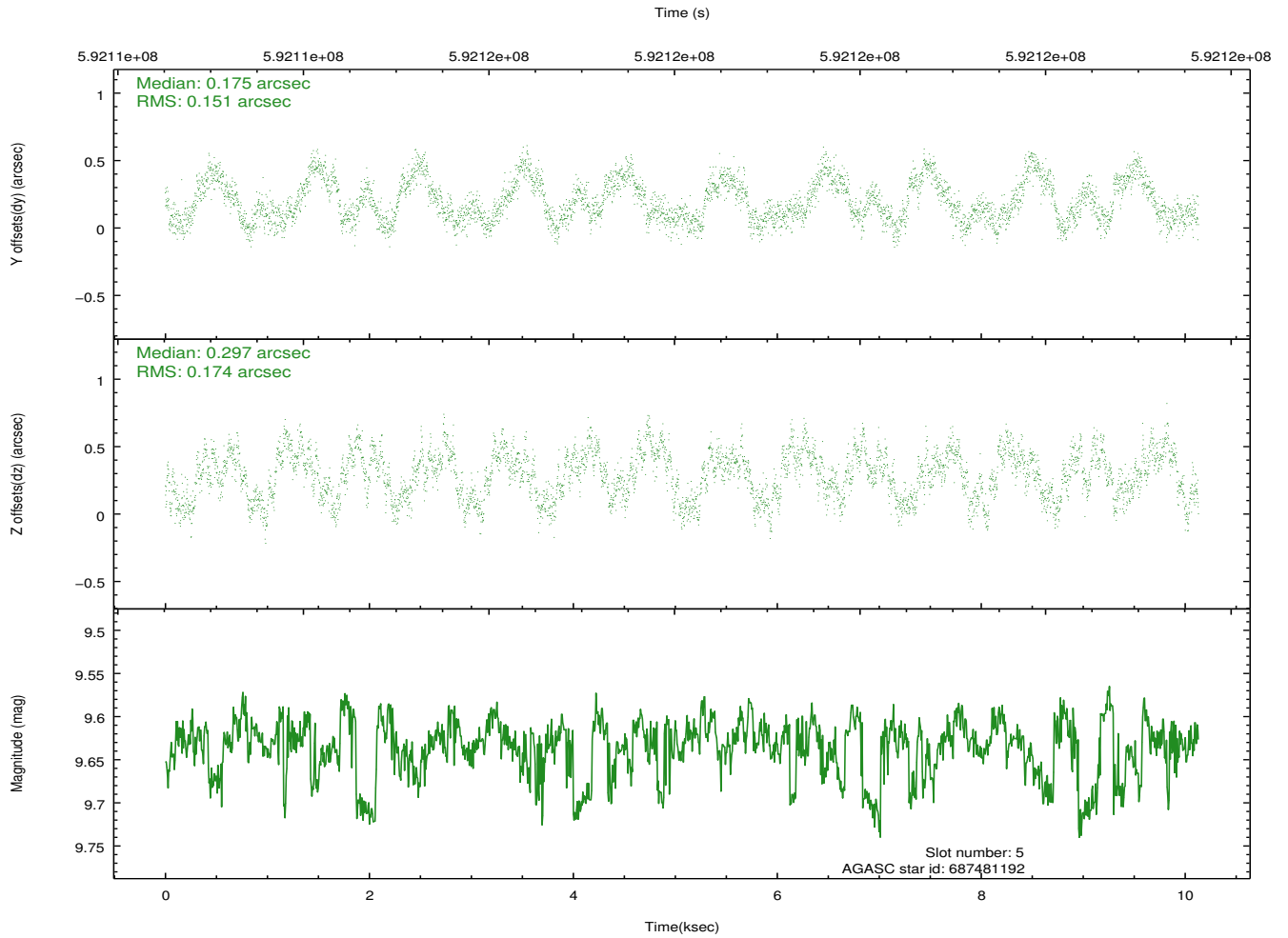
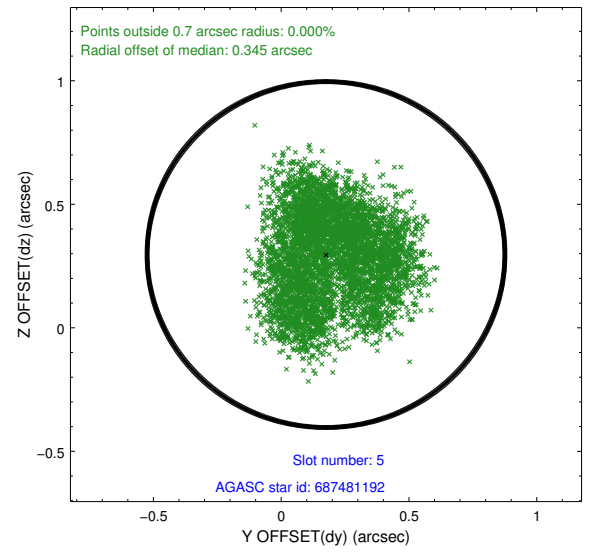
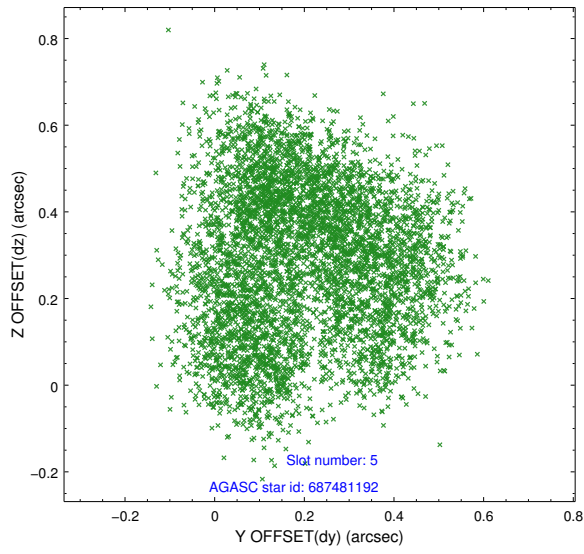
2.4.1 Slot 3



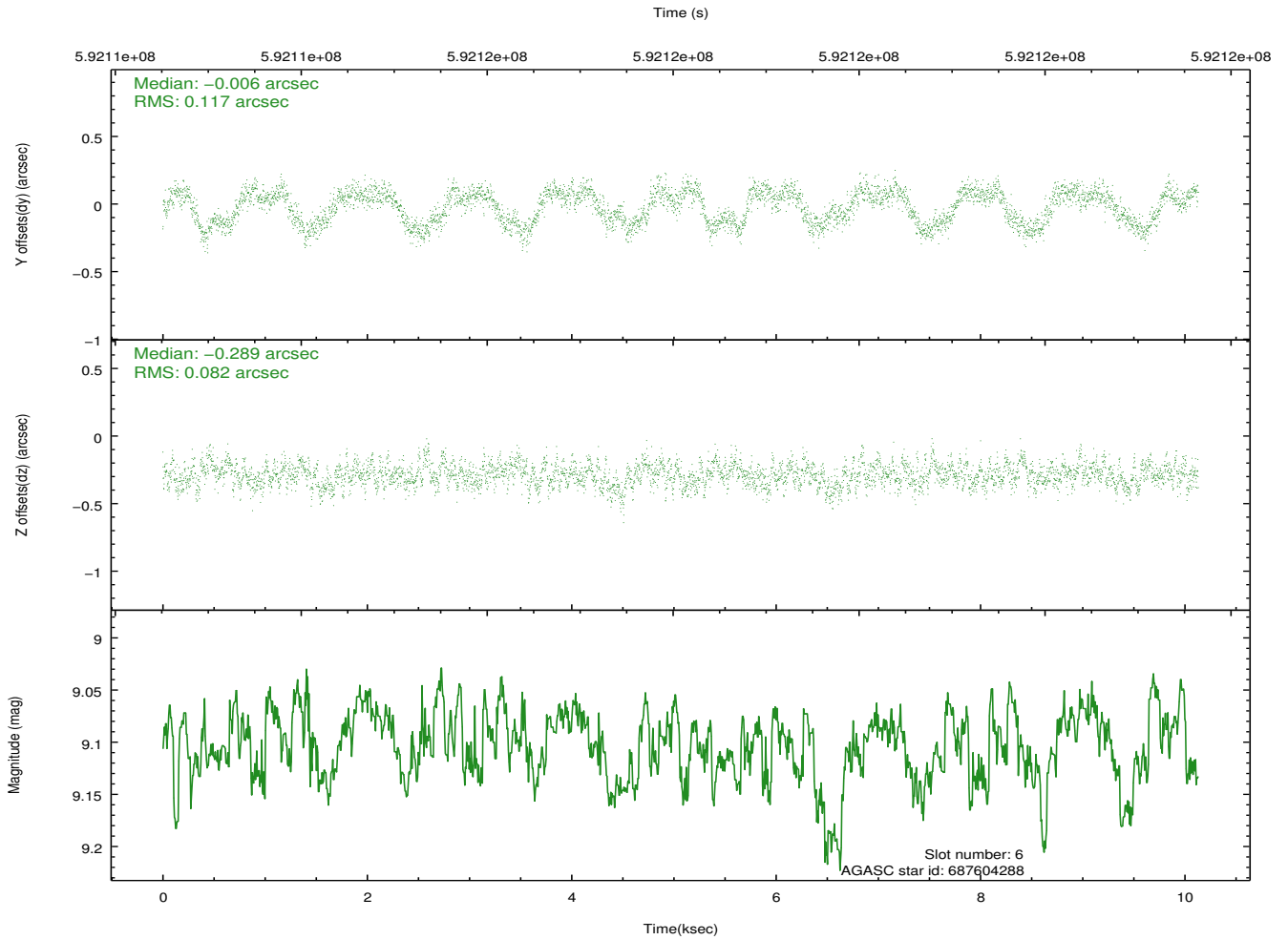
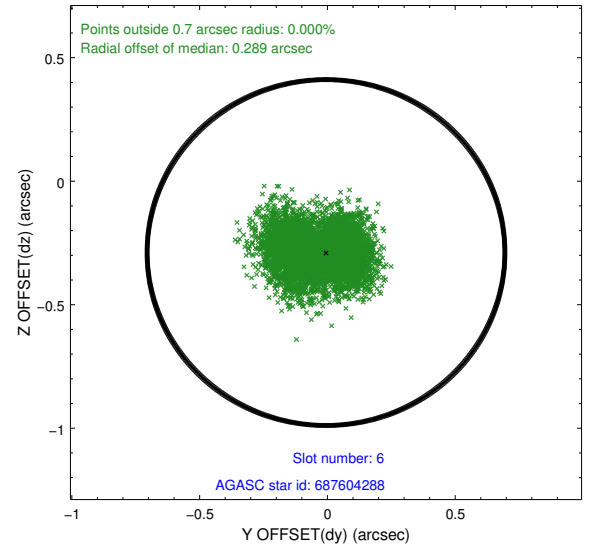
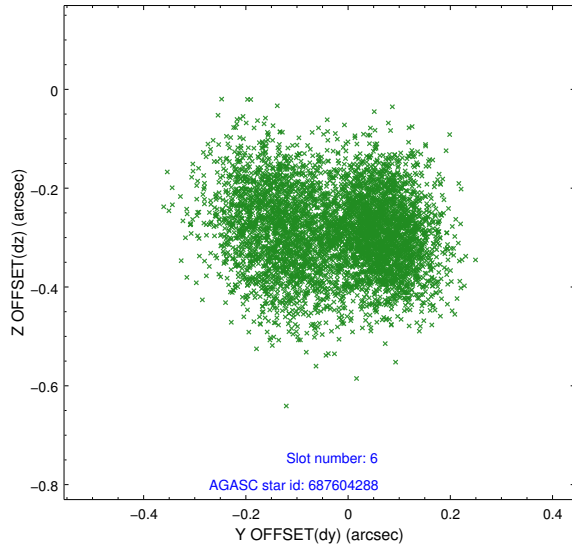
2.4.2 Slot 4



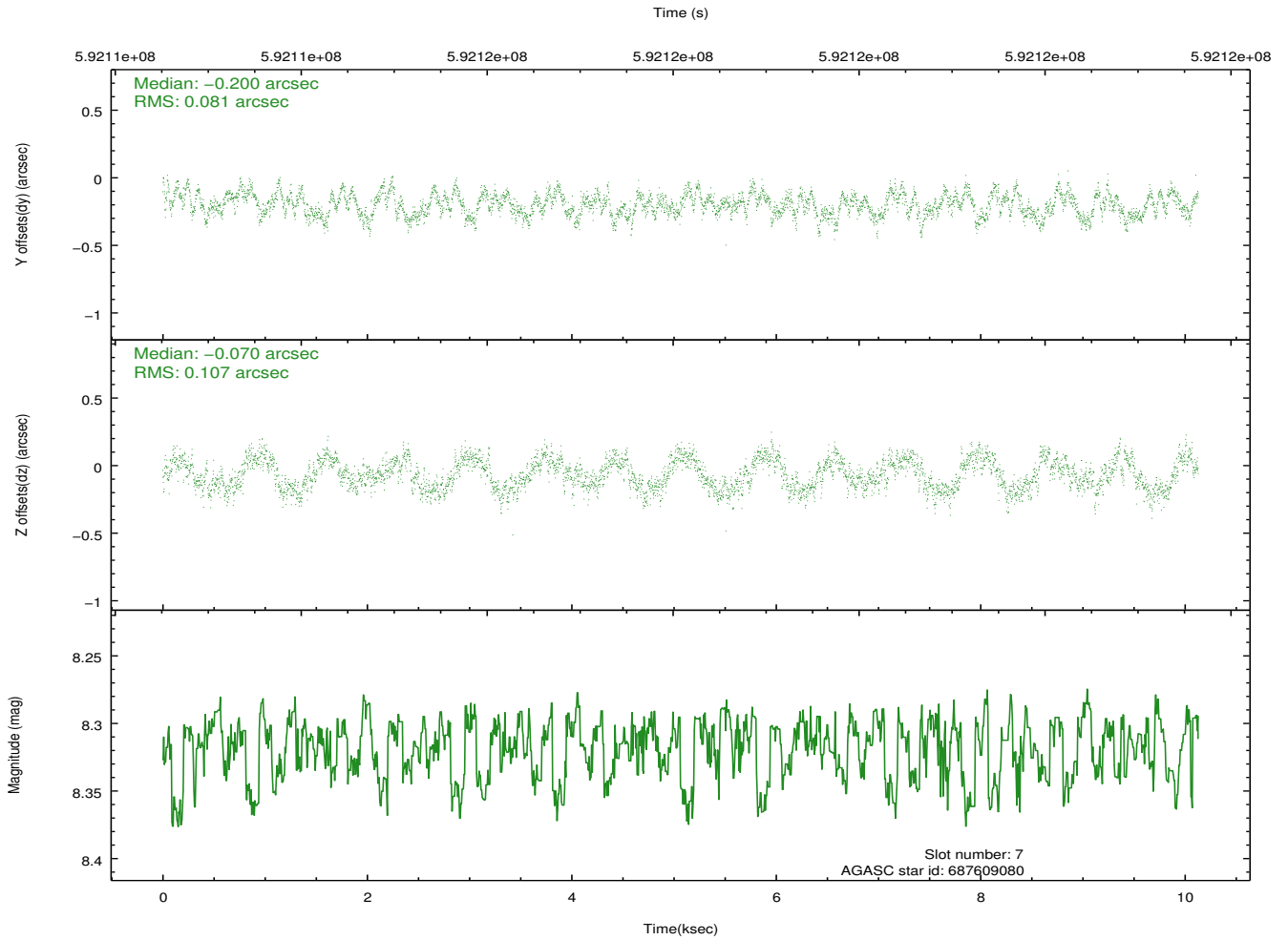
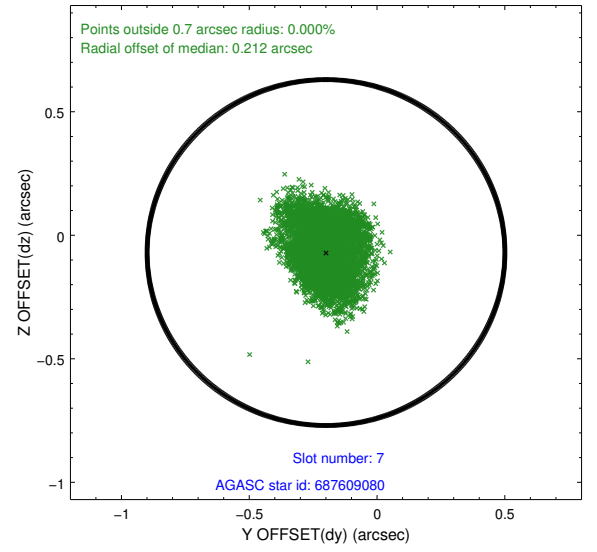
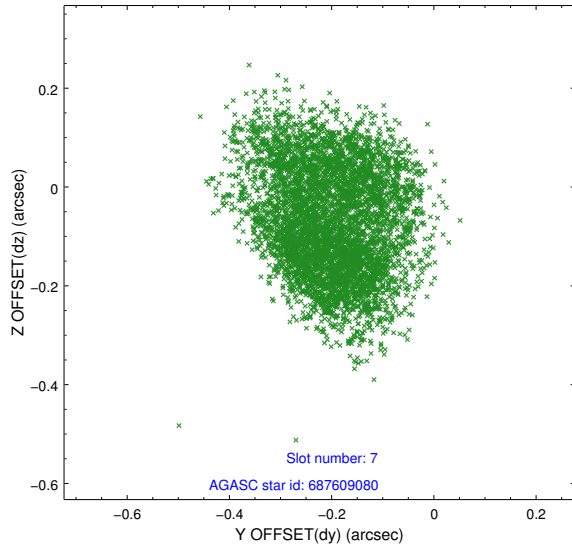
2.4.3 Slot 5



2.4.4 Slot 6

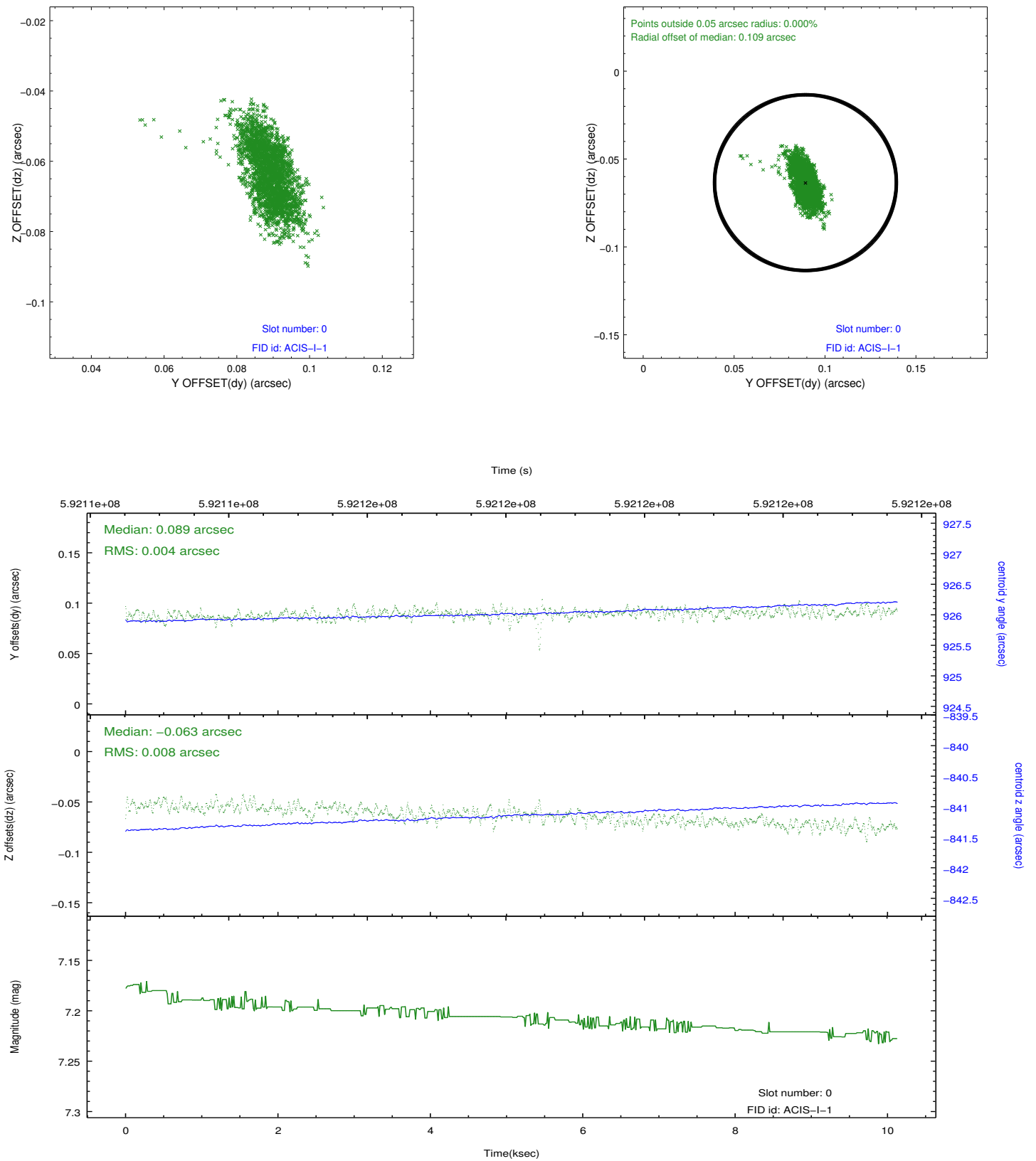


2.4.5 Slot 7

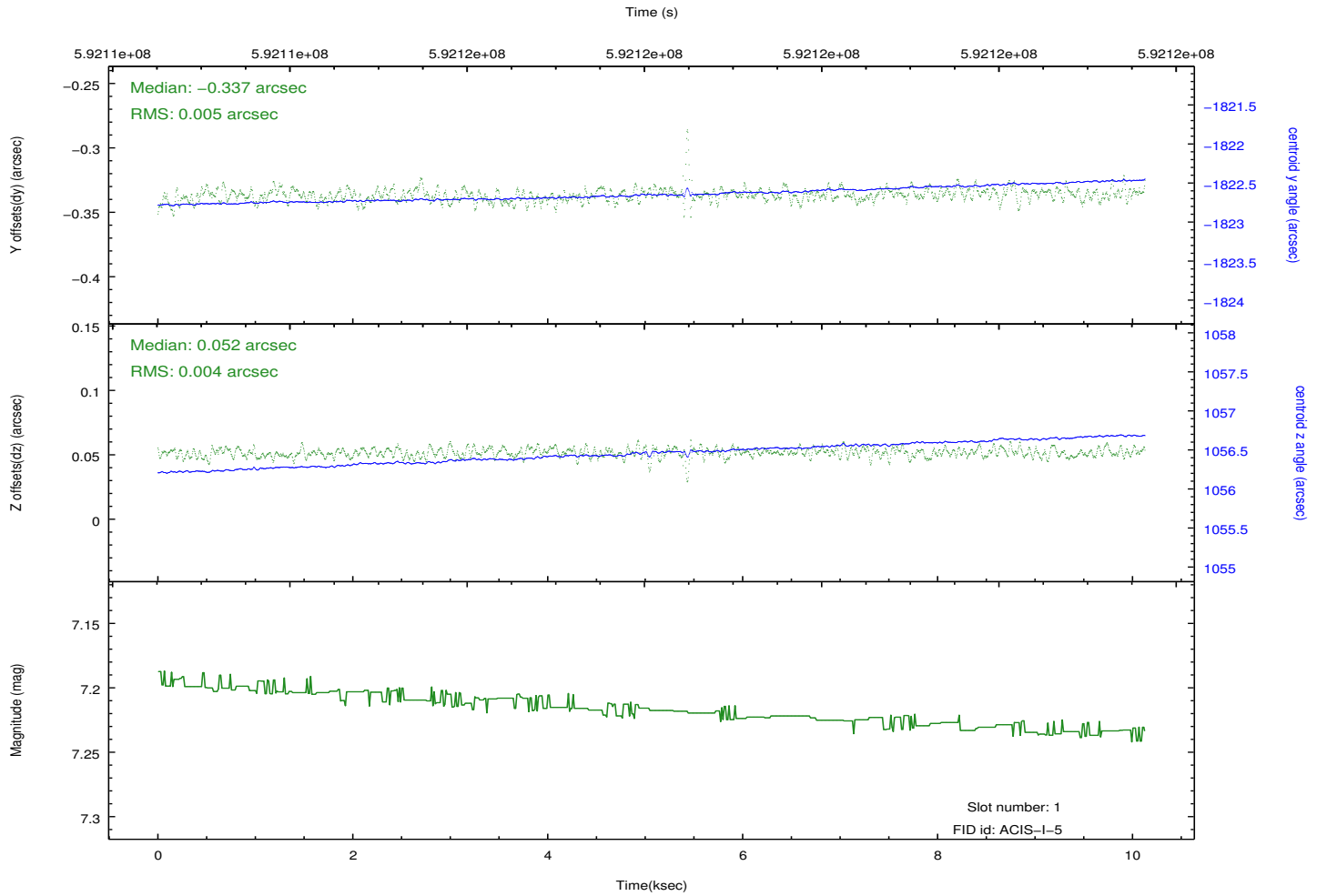
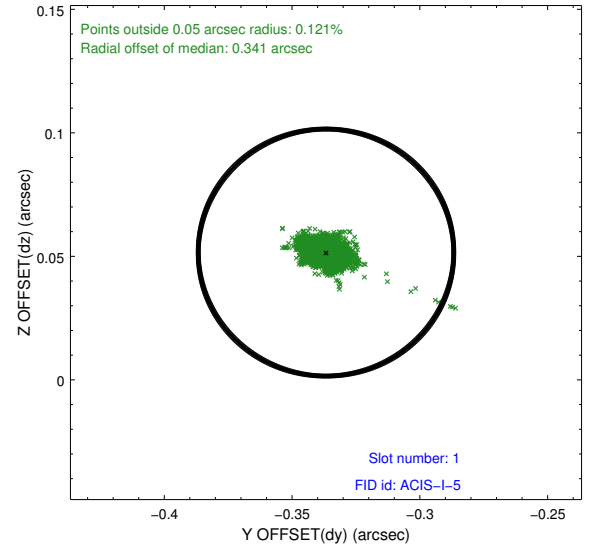
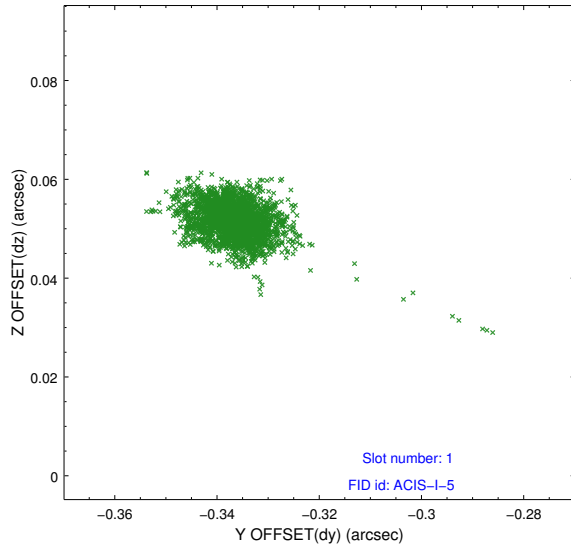


2.5 FID Slots

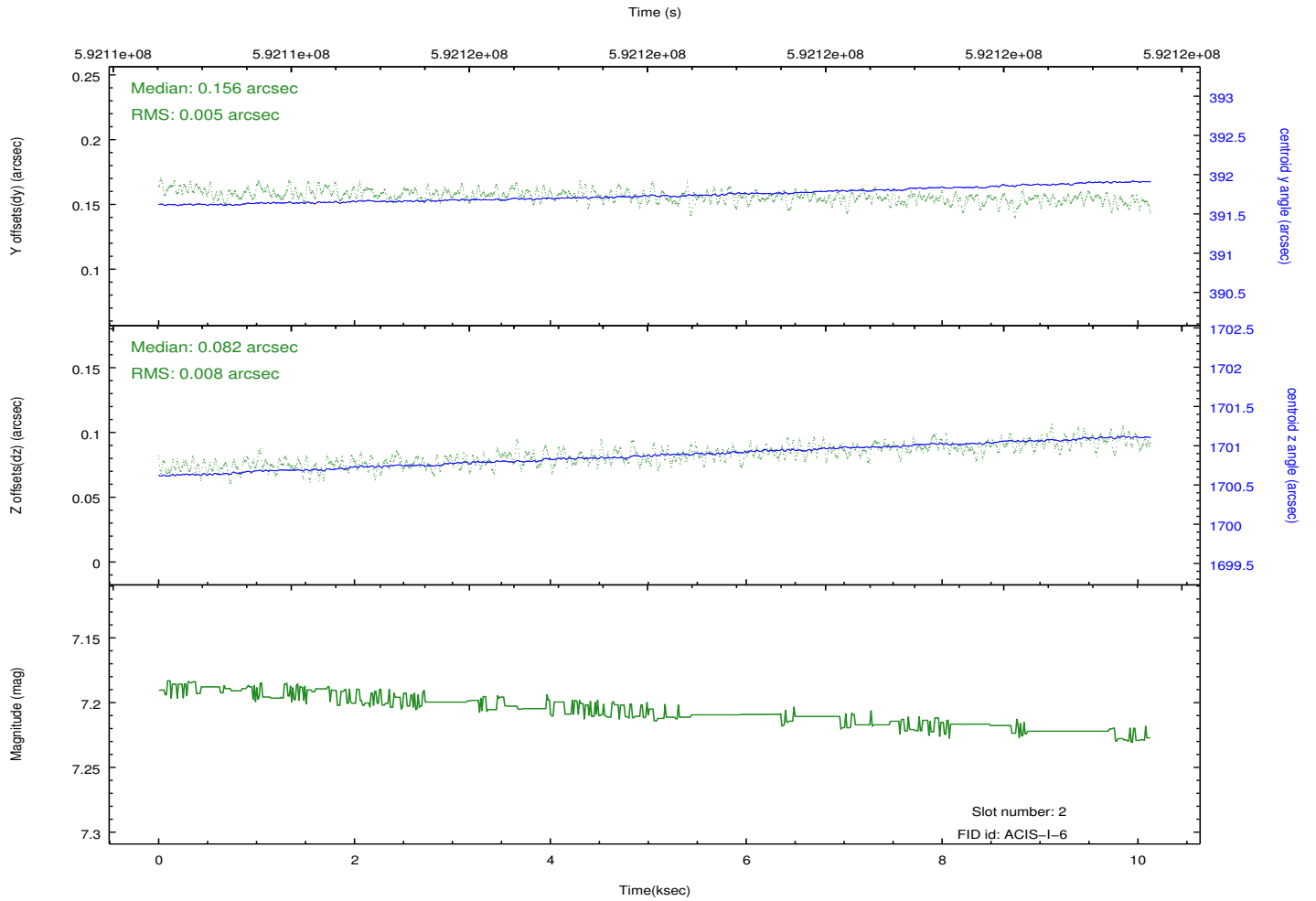
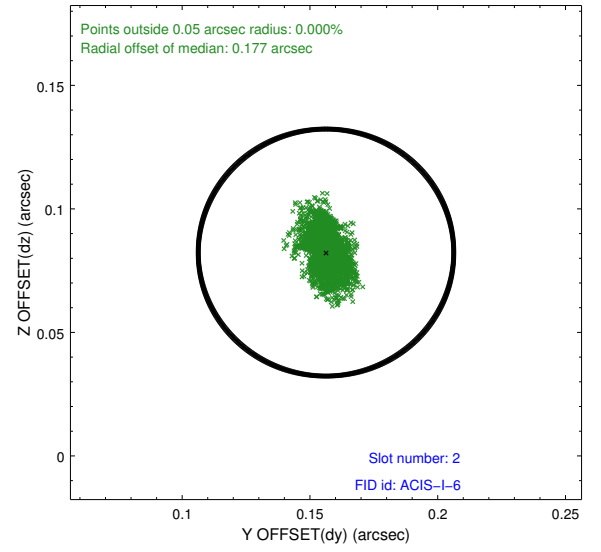
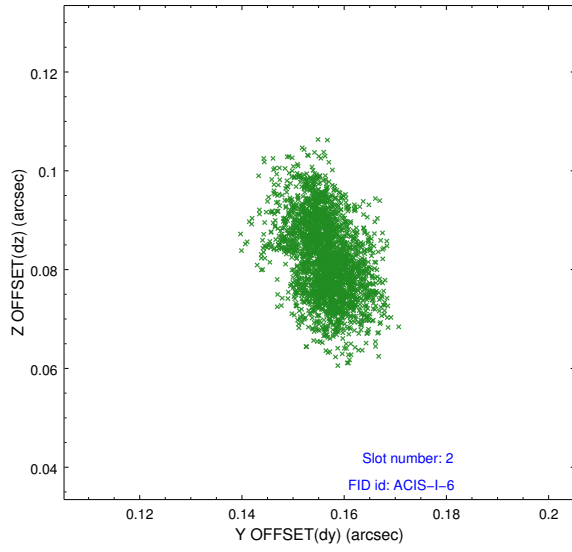
2.5.1 Slot 0



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)	2016.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.074958987355

A.2 Comments

Joint proposal with XMM.

One optional chip was dropped.