

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12532 - L2 Version 4
Chandra X-Ray Center

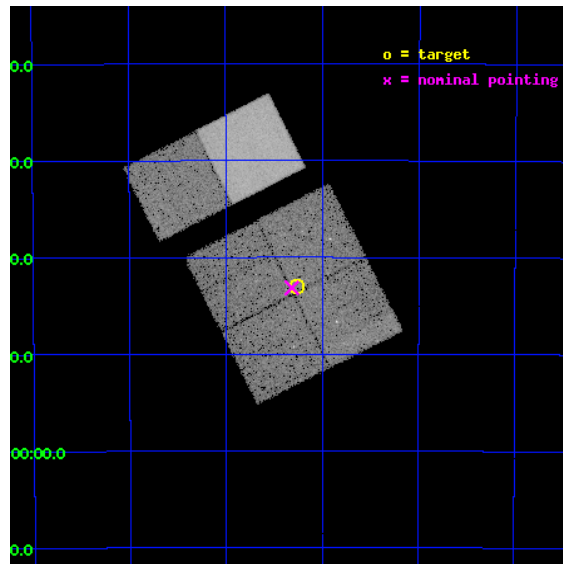
L2 Processing Date : Feb 12 2012

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1 Front

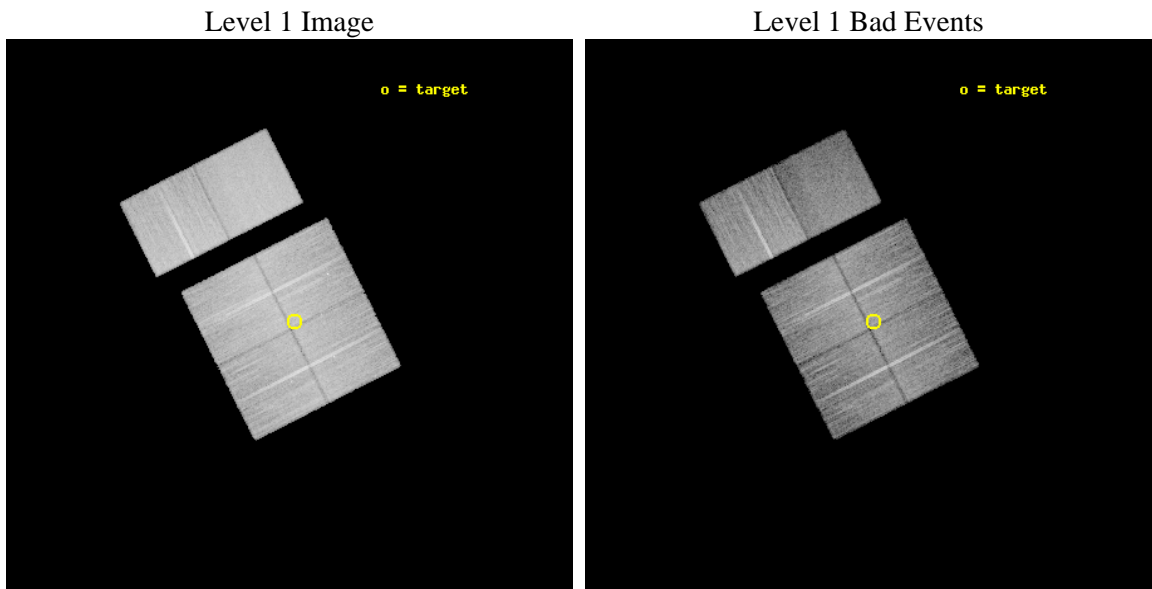
seq_num	401273	Sequence number
obs_id	12532	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.56698	Observer's specified target RA [deg]
dec_targ	-47.717955	Observer's specified target Dec [deg]
ra_nom	248.57882250094	Nominal RA [deg]
dec_nom	-47.719258680547	Nominal Dec [deg]
roll_nom	333.21744984295	Nominal Roll [deg]
revision	4	Processing version of data
ontime	19756.758856118	Sum of GTIs [s]
livetime	19506.58687939	Livetime [s]
ontime0	19756.758866072	Sum of GTIs [s]
ontime1	19759.999926448	Sum of GTIs [s]
ontime2	19759.999926448	Sum of GTIs [s]
ontime3	19756.758856118	Sum of GTIs [s]
ontime6	19759.999926448	Sum of GTIs [s]
ontime7	19759.999926448	Sum of GTIs [s]
l2events	151665	Number of level 2 events



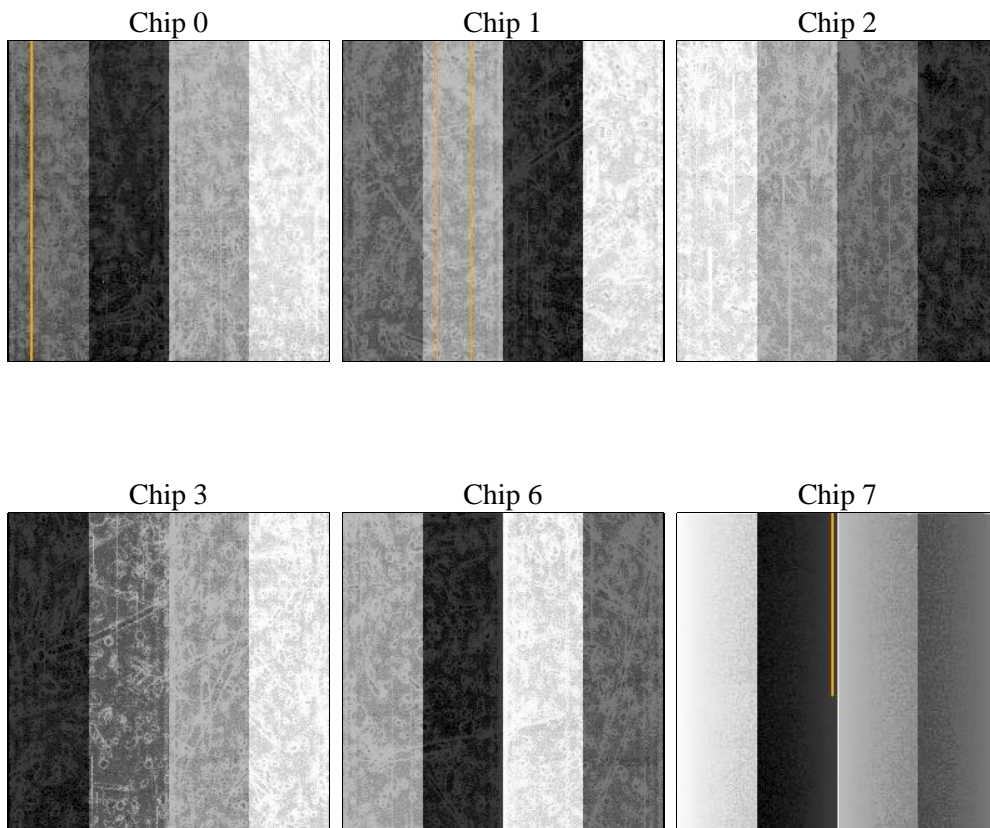
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	19756.758856118	Sum of GTIs [s]
caldbver	4.4.7	 	ontime0	19756.758866072	Sum of GTIs [s]
date	2012-02-12T11:49:35	Date and time of file creation	ontime1	19759.999926448	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	19759.999926448	Sum of GTIs [s]
			ontime3	19756.758856118	Sum of GTIs [s]
			ontime6	19759.999926448	Sum of GTIs [s]
			ontime7	19759.999926448	Sum of GTIs [s]
			l1events	884482	Number of level 1 events

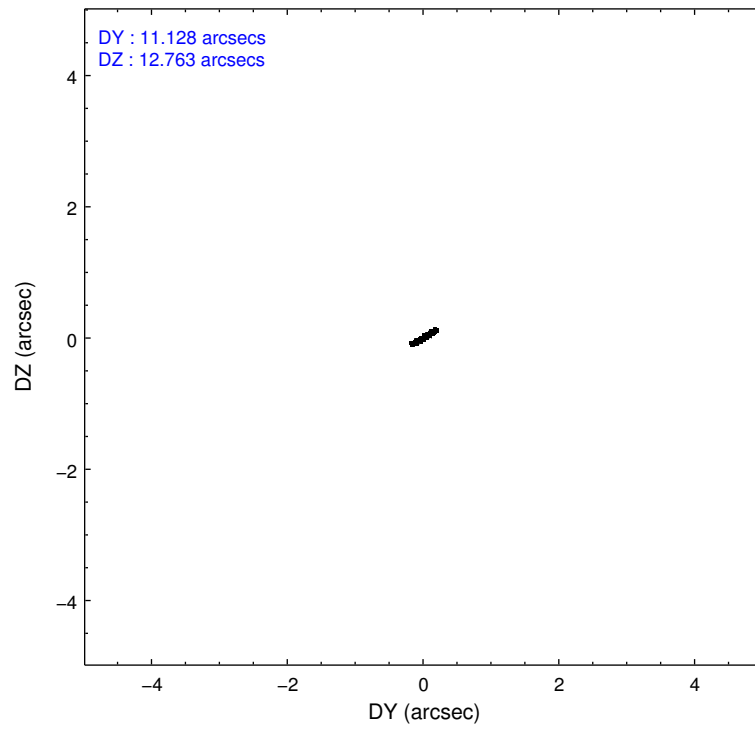
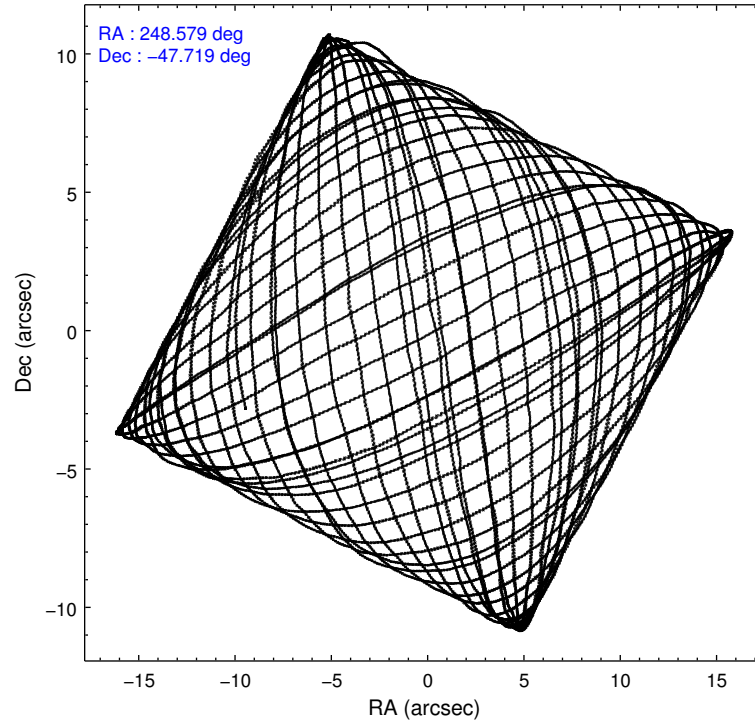
2.1.4 Events

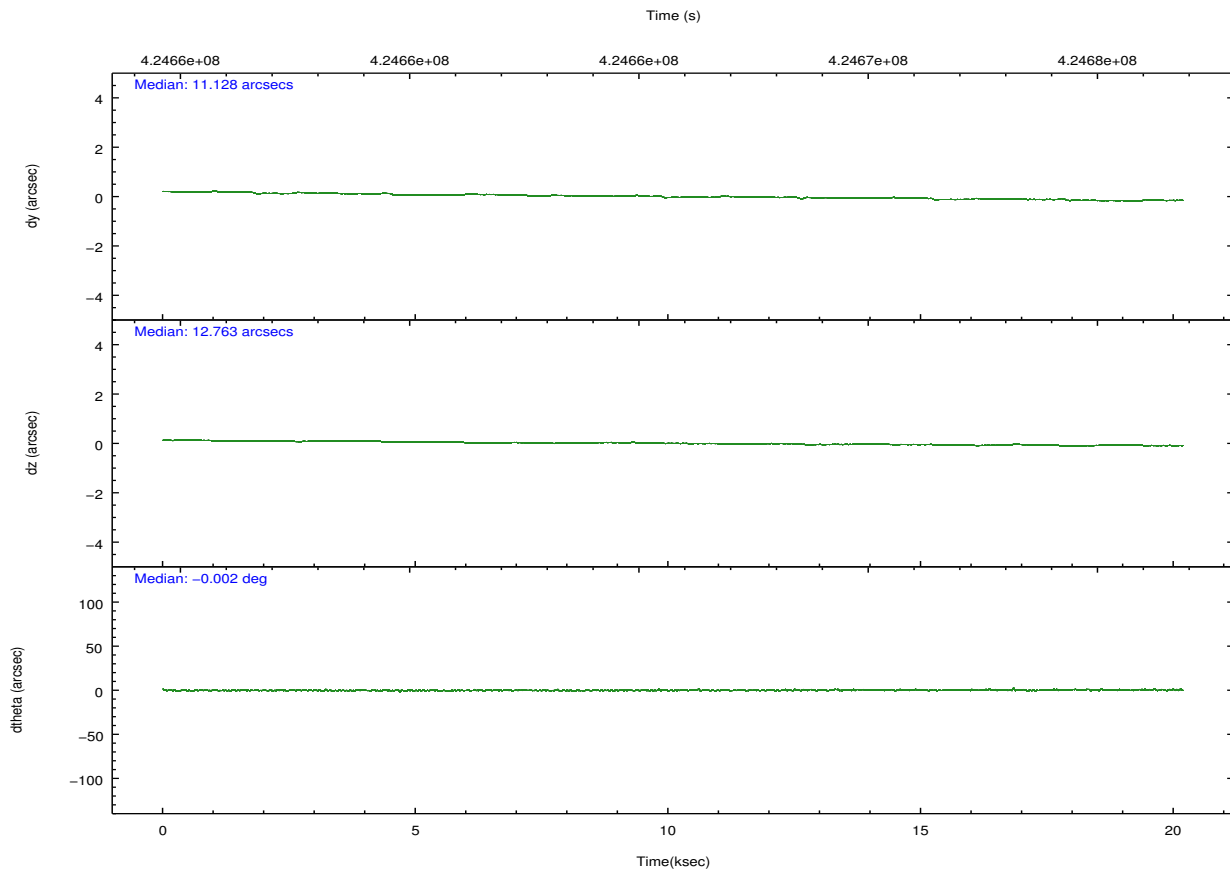
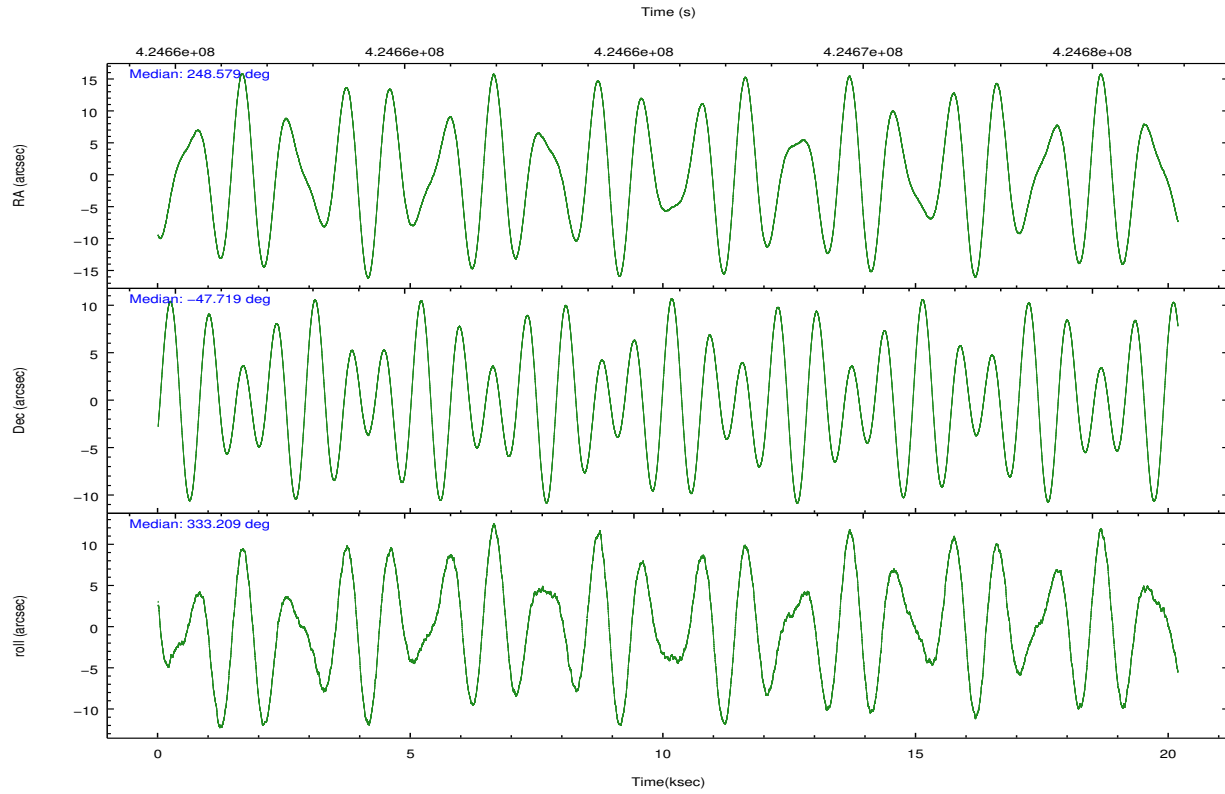
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	126736	132295	155438	141667	159646	168700	grade 0 events	8774	8583	8894	7318	9305	7392
rejected events	107762	112704	135915	125044	139140	90268		6%	6%	5%	5%	5%	4%
rejected %	85%	85%	87%	88%	87%	53%	grade 1 events	88	73	111	79	84	247
								0%	0%	0%	0%	0%	0%
							grade 2 events	4351	4293	4477	3494	4556	17267
								3%	3%	2%	2%	2%	10%
							grade 3 events	1516	1690	1397	1537	1568	6801
								1%	1%	0%	1%	0%	4%
							grade 4 events	1445	1601	1920	1464	1585	6770
								1%	1%	1%	1%	0%	4%
							grade 5 events	5033	5464	4869	5669	5928	16588
								3%	4%	3%	4%	3%	9%
							grade 6 events	2889	3427	2839	2812	3497	40211
								2%	2%	1%	1%	2%	23%
							grade 7 events	102640	107164	130931	119294	133123	73424
								80%	81%	84%	84%	83%	43%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	248.538033	248.5788225009382	CCD I2 on	Y	Y
[deg] Pointing Dec	-47.720931	-47.71925868054748	CCD I3 on	Y	Y
[deg] Pointing Roll	332.978584	333.2174498429529	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	424655841.184000	424655464.64546	CCD S5 on	N	N
Observation start date	2011-06-16T23:56:15	2011-06-16T23:51:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	424675841.184000	424675974.89653	On-chip summing requested	N	N
Observation end date	2011-06-17T05:29:35	2011-06-17T05:32:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



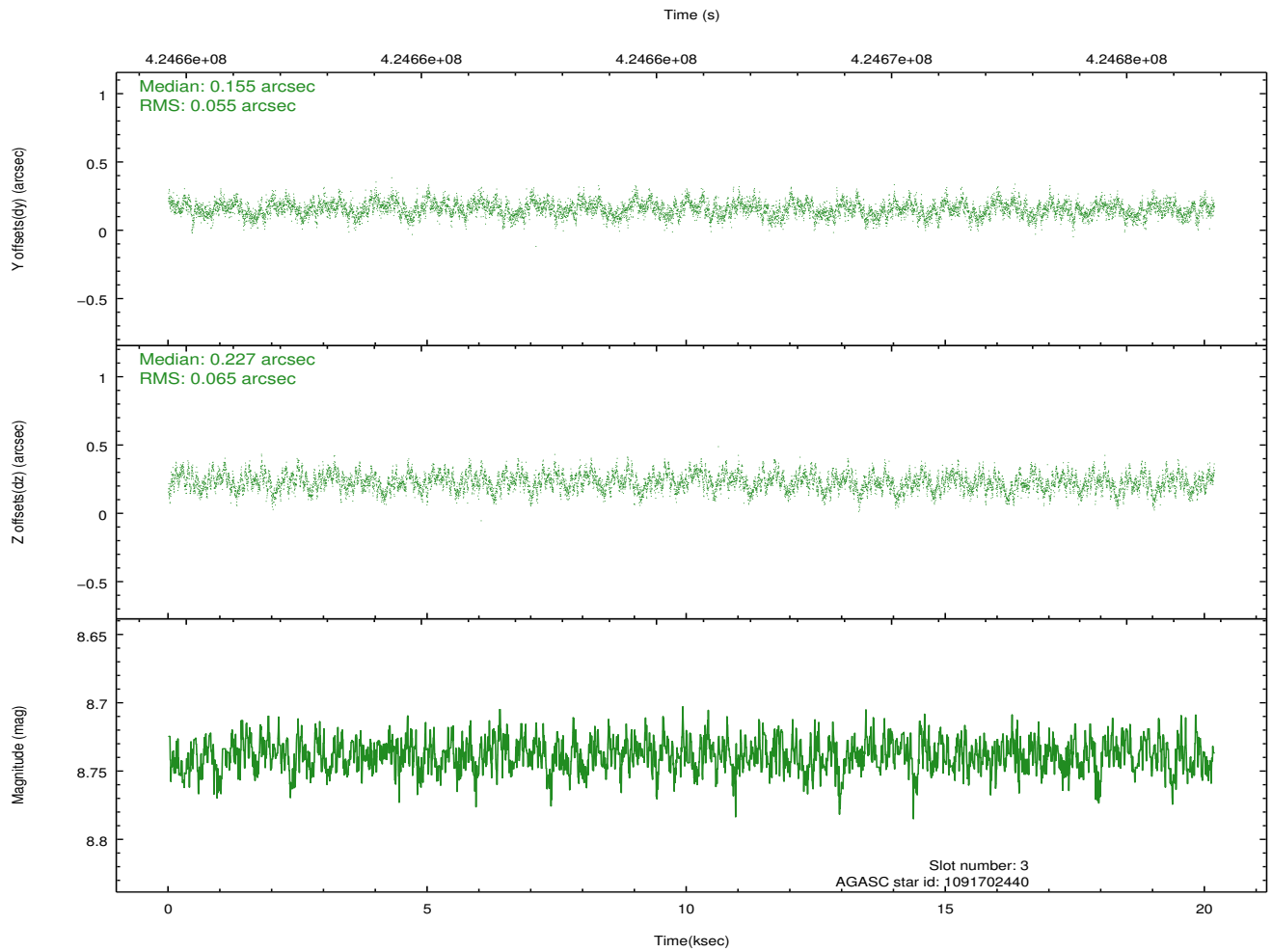
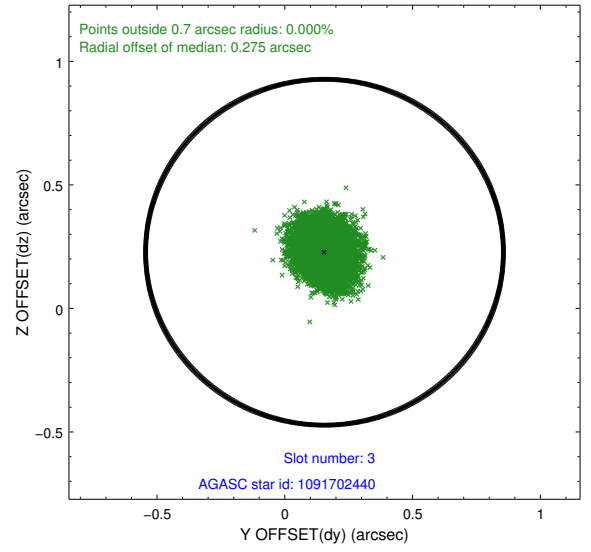
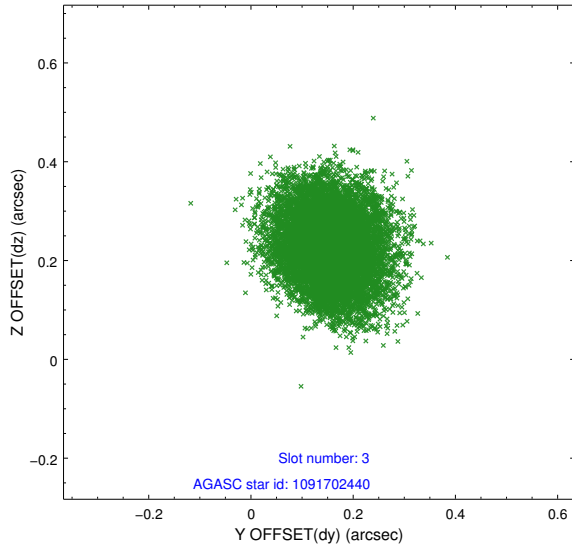


Slot Statistics

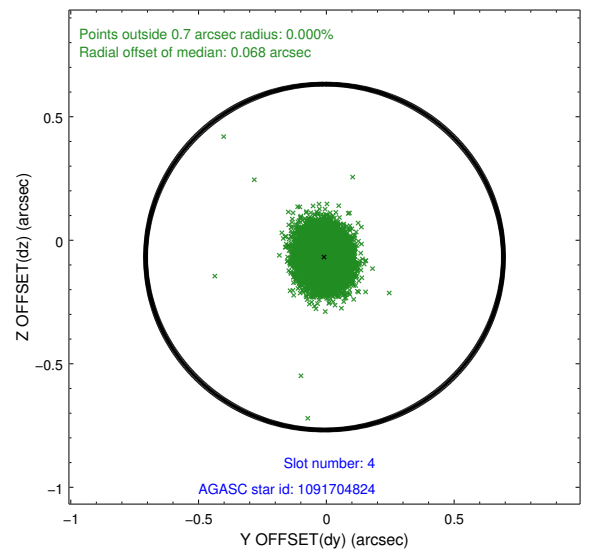
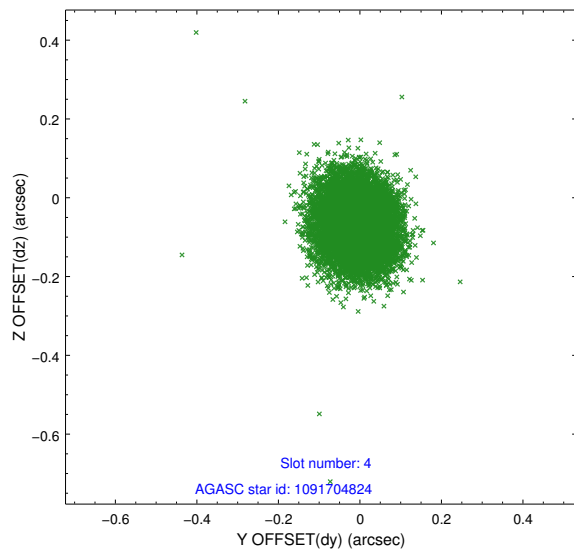
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.15	4922	0.064	-0.013	0.015	0.024	0.000000	0.000000	928.51	-836.32
1	FID	ACIS-I-5	7.14	4921	-0.203	0.074	0.010	0.017	0.000000	0.000000	-1819.78	1061.15
2	FID	ACIS-I-6	7.15	4922	0.047	0.011	0.009	0.015	0.000000	0.000000	393.82	1705.81
3	GUIDE	1091702440	8.74	9839	0.155	0.227	0.091	0.146	248.295809	-47.683380	-583.38	-147.32
4	GUIDE	1091704824	9.13	9837	-0.007	-0.068	0.084	0.136	249.173141	-47.336759	754.95	1930.29
5	GUIDE	1091709768	7.70	9843	-0.129	-0.077	0.064	0.104	249.435228	-47.706899	1919.37	1021.34
6	GUIDE	1091726152	7.19	9846	0.037	0.087	0.069	0.126	248.525265	-48.461492	1185.17	-2388.59
7	GUIDE	1091709408	9.19	9809	-0.058	-0.170	0.099	0.156	249.304466	-47.312562	1002.99	2150.97

2.4 Star Slots

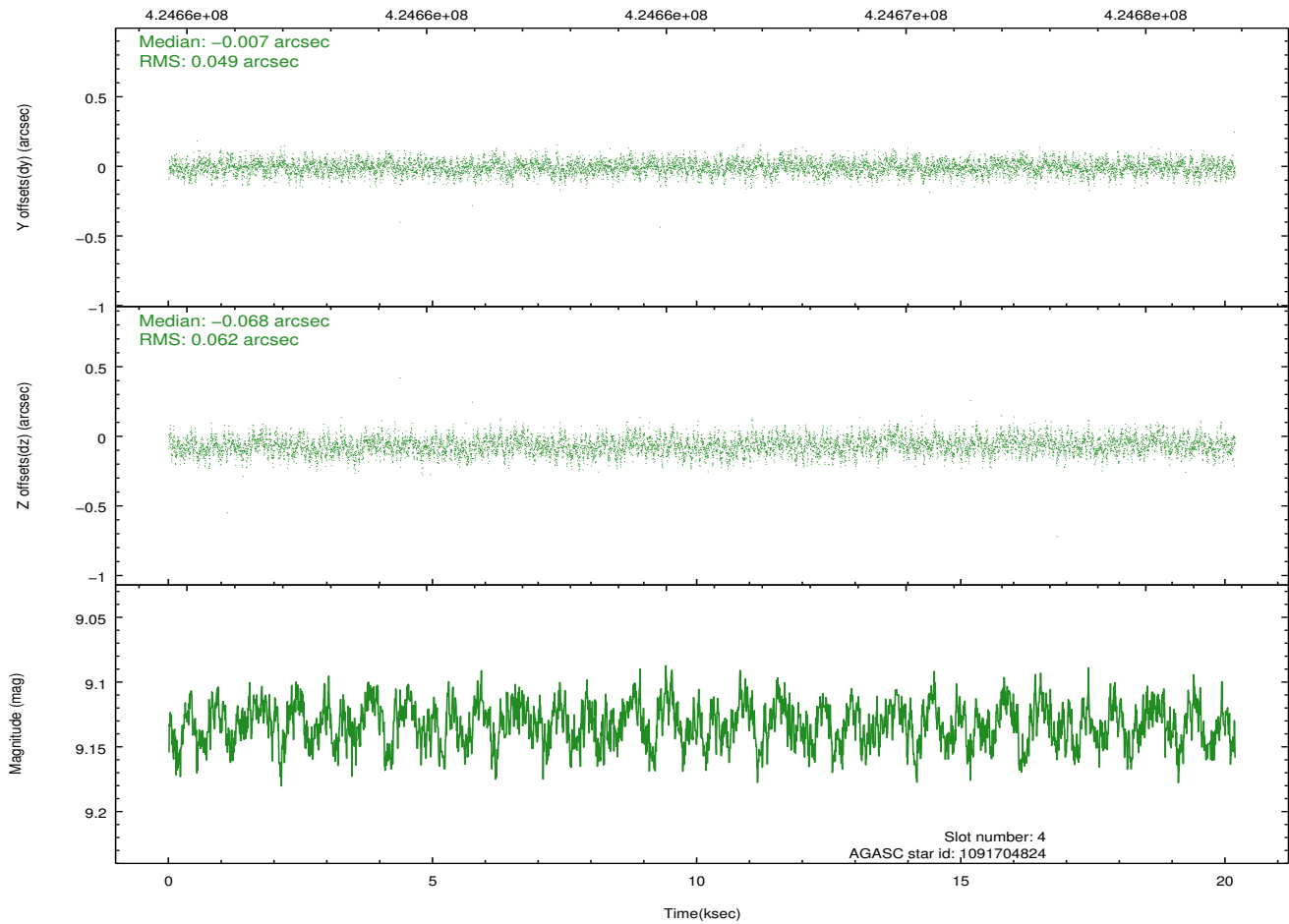
2.4.1 Slot 3



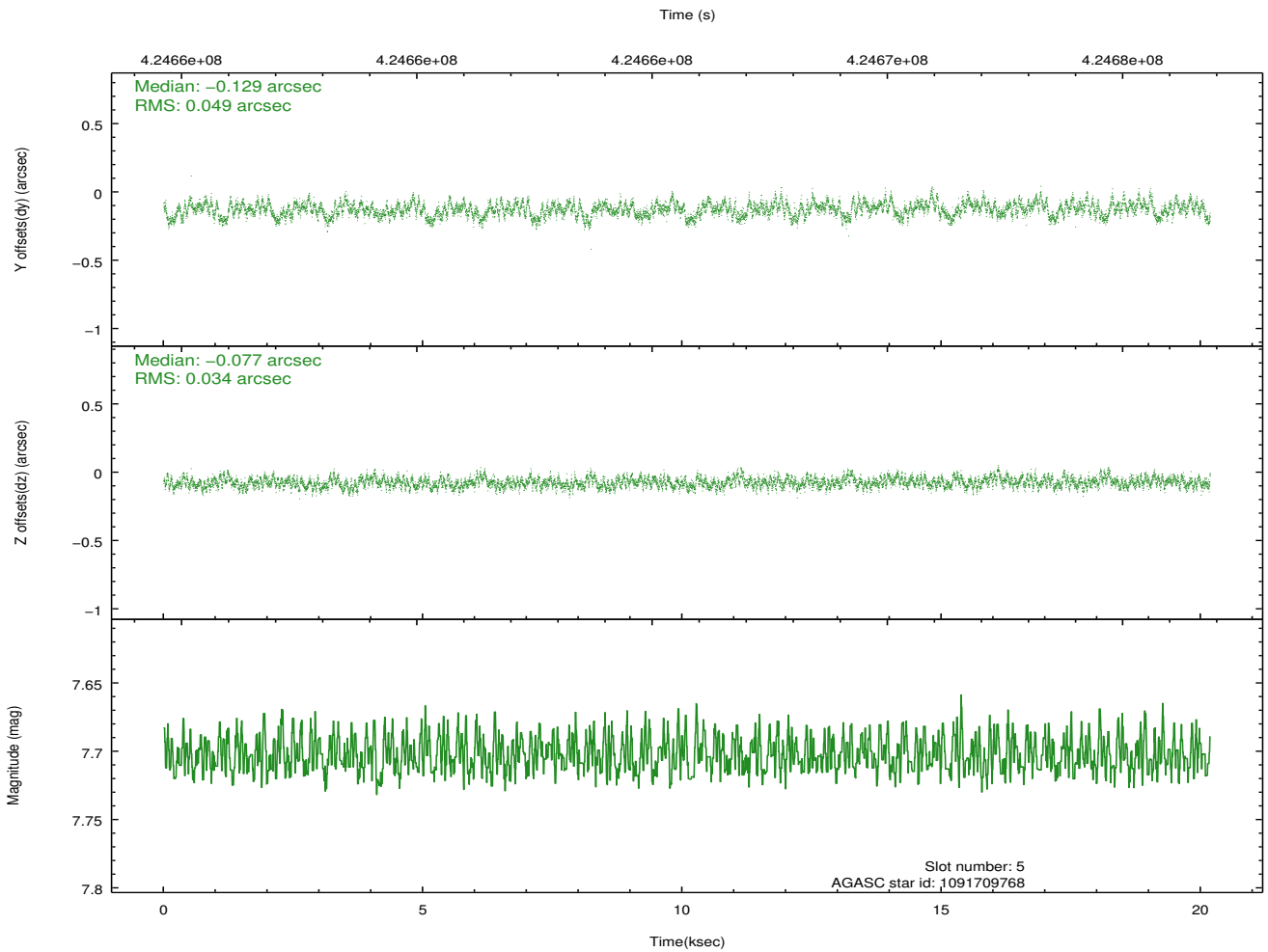
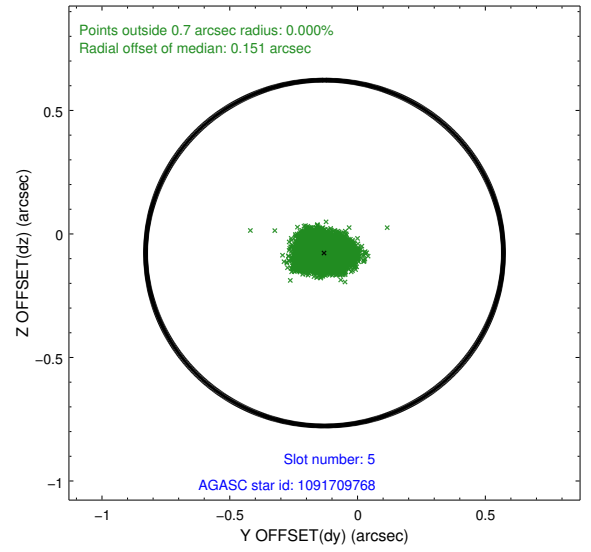
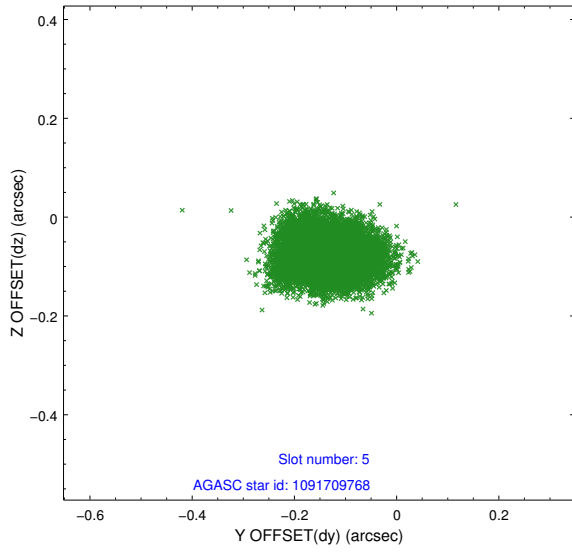
2.4.2 Slot 4



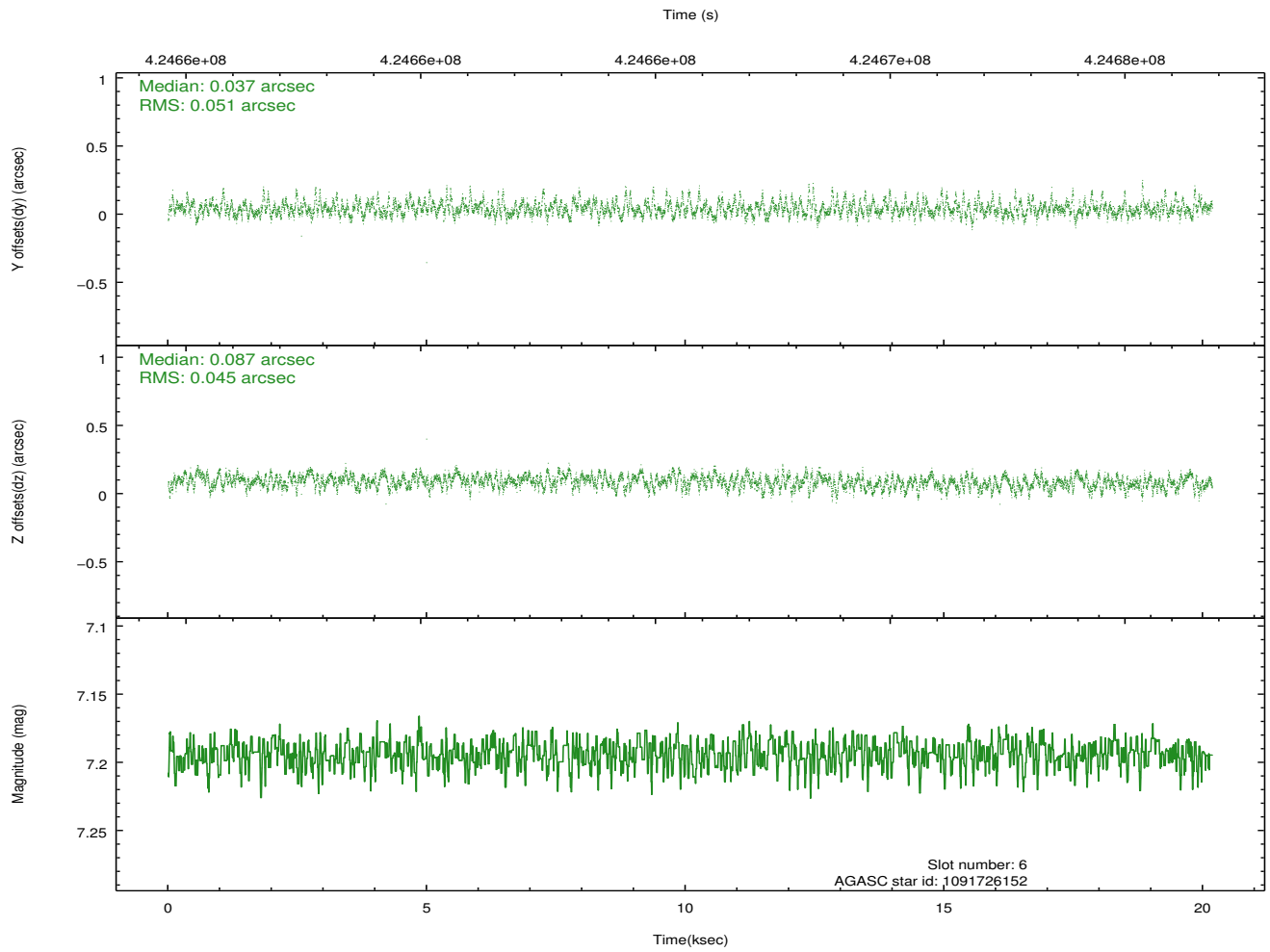
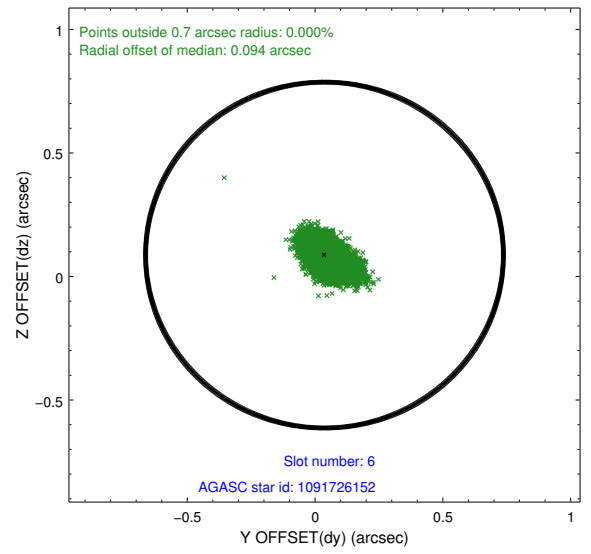
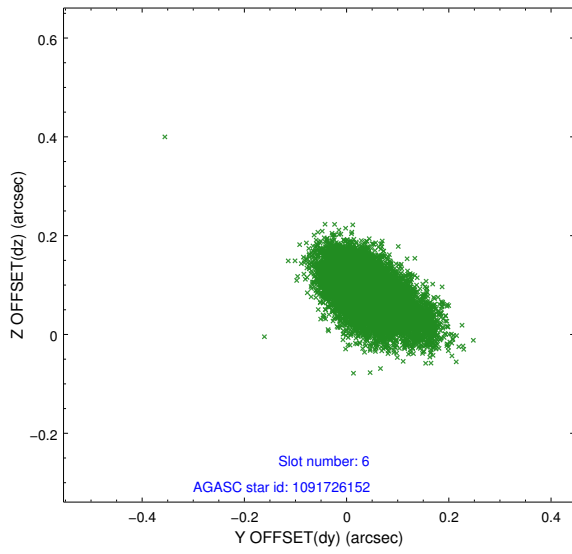
Time (s)



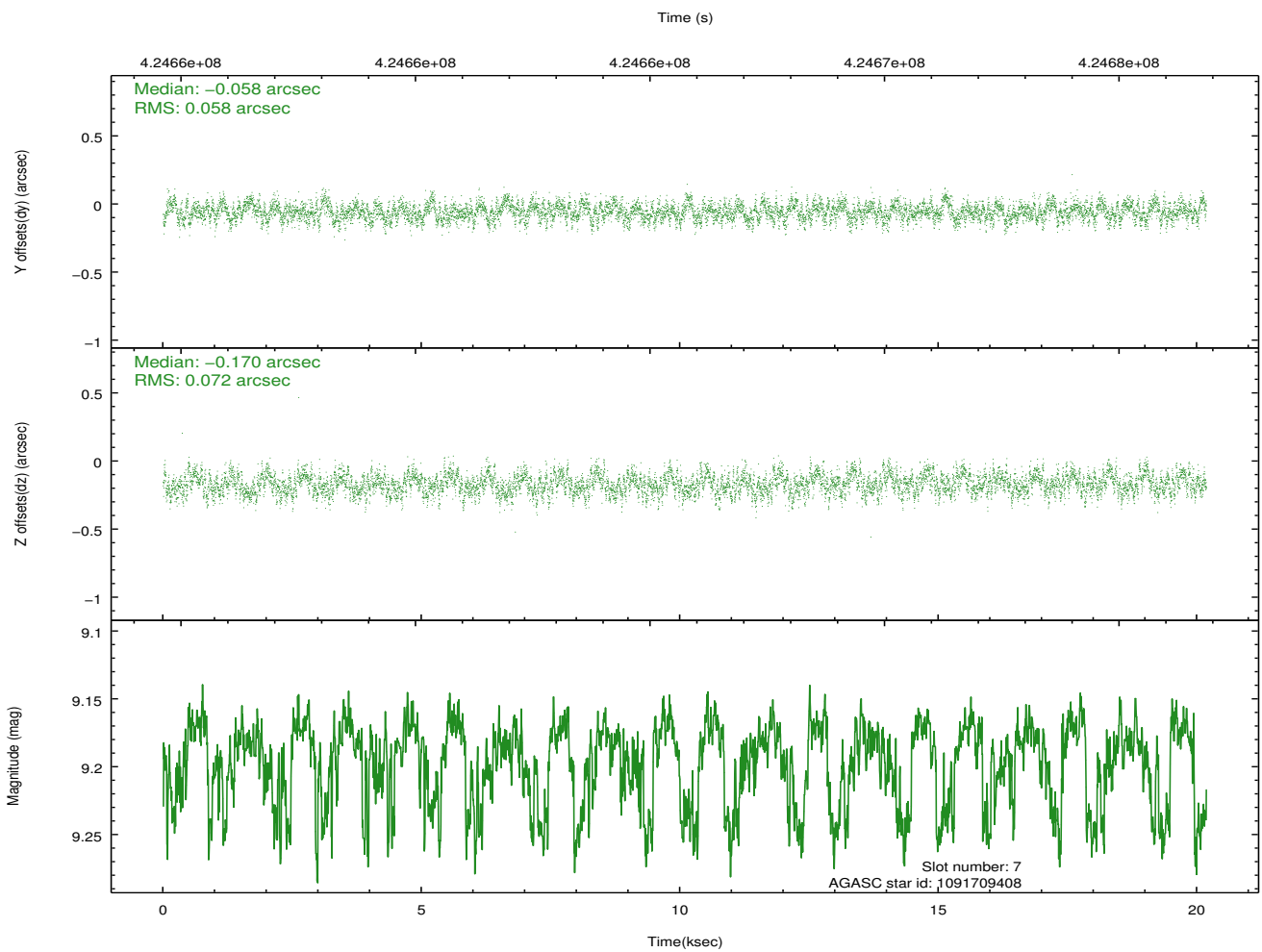
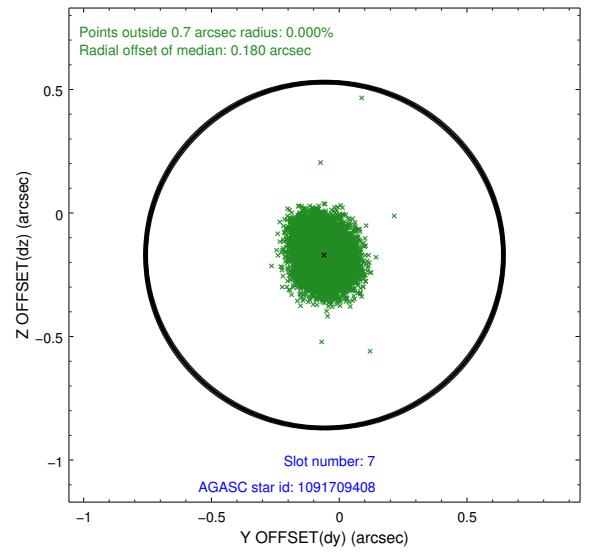
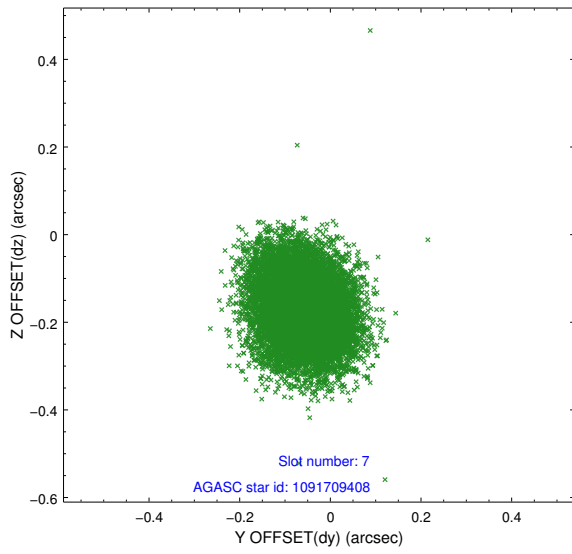
2.4.3 Slot 5



2.4.4 Slot 6

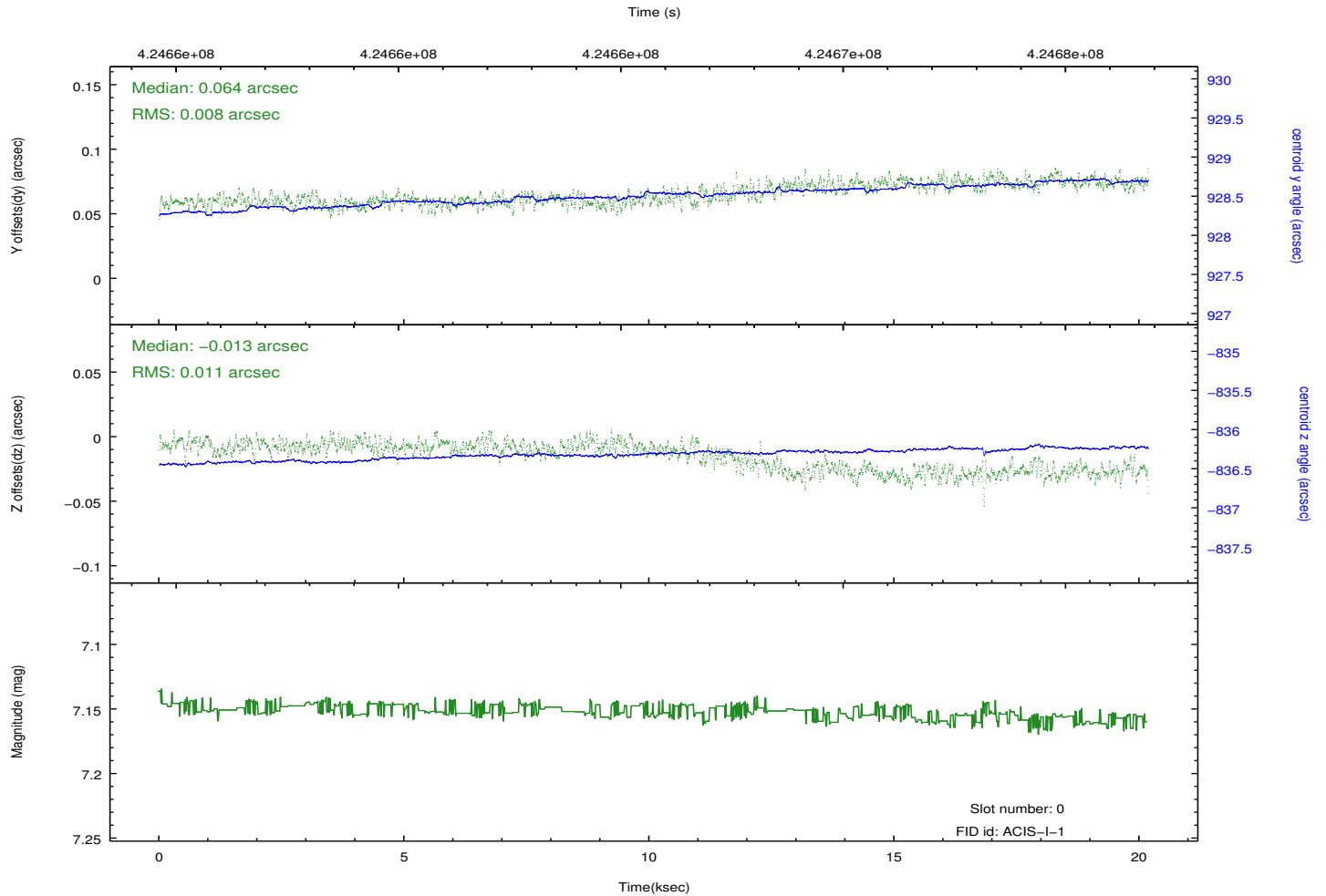
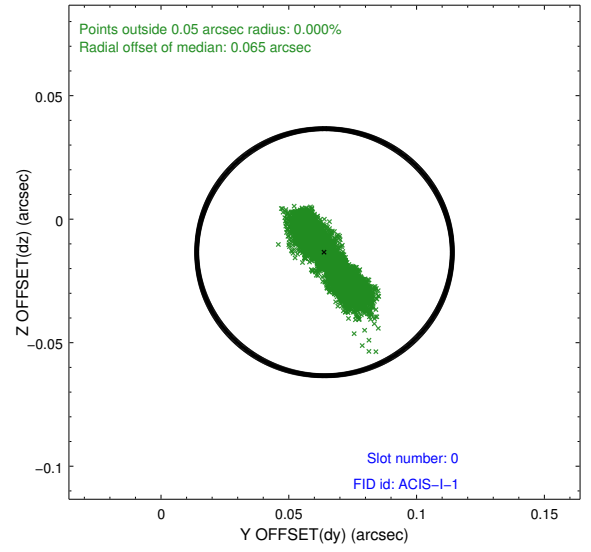
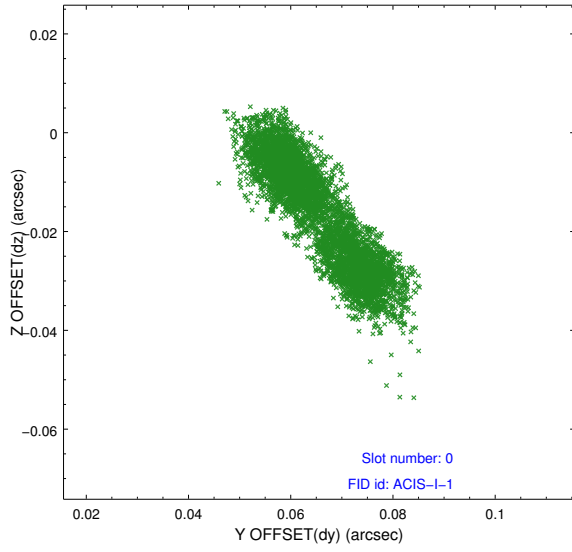


2.4.5 Slot 7

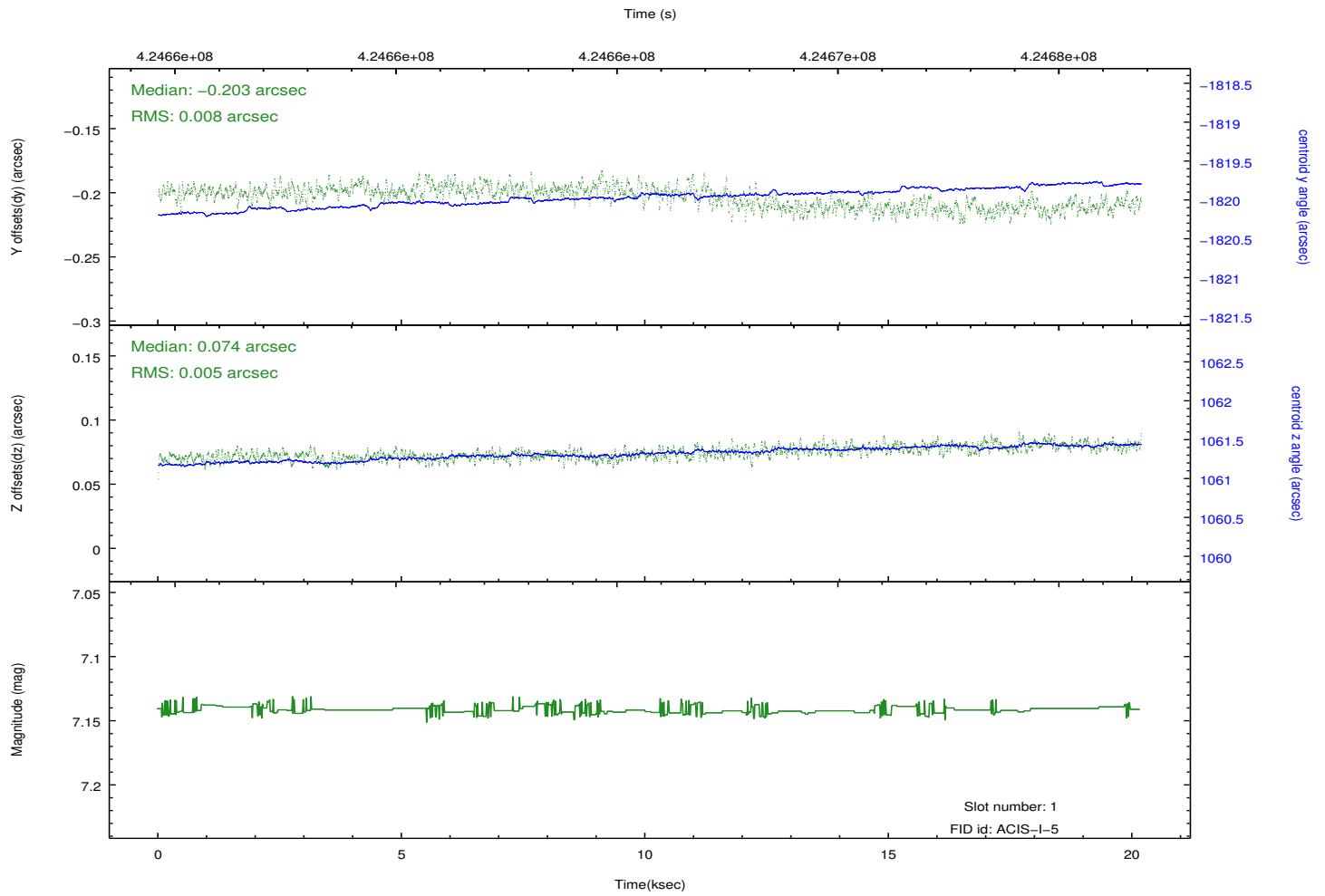
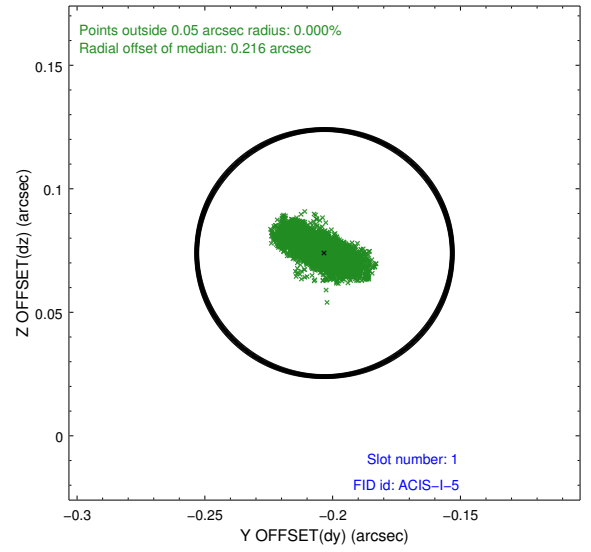
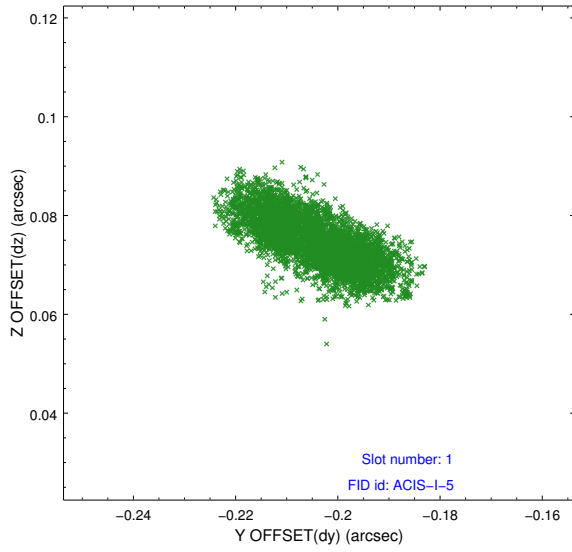


2.5 FID Slots

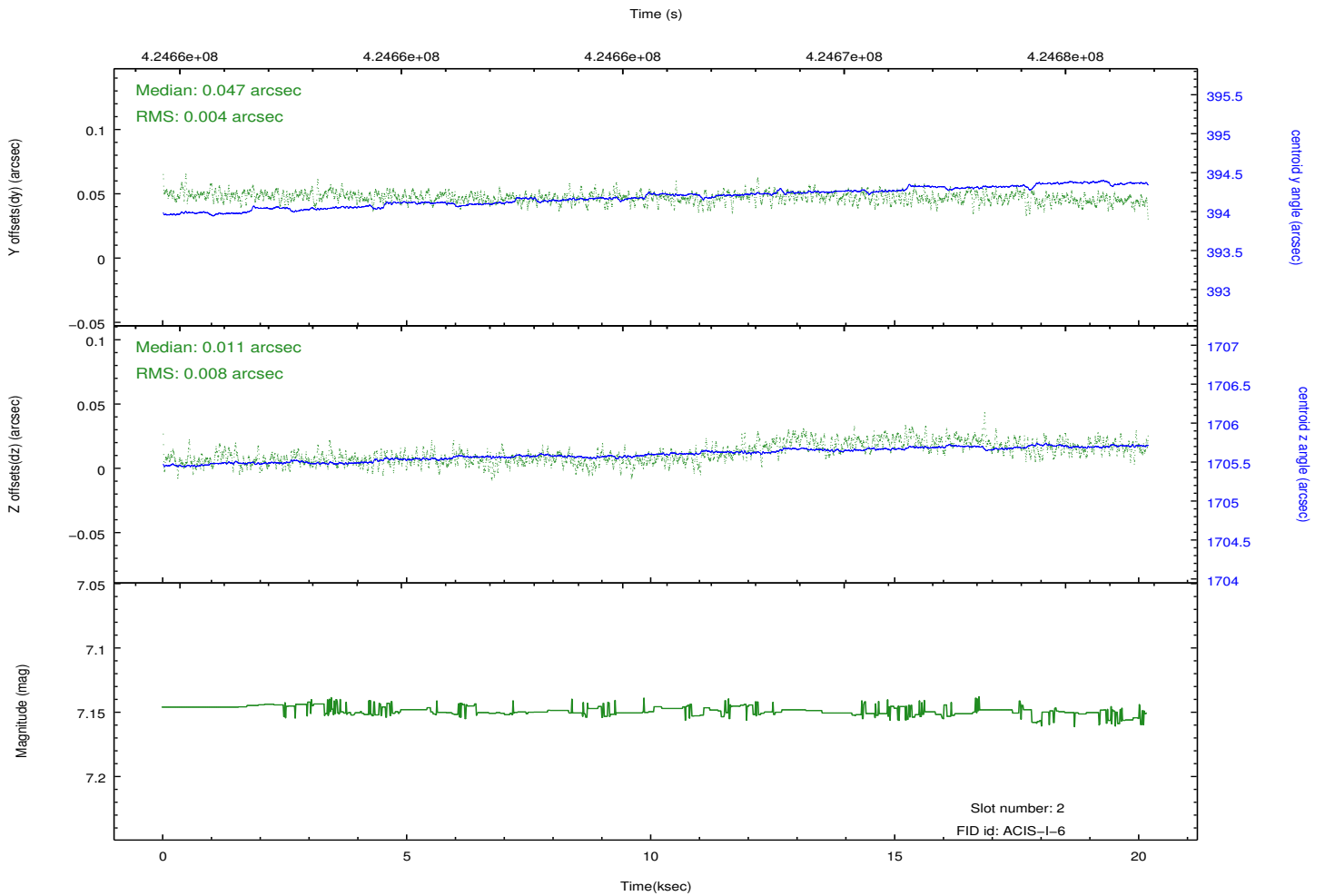
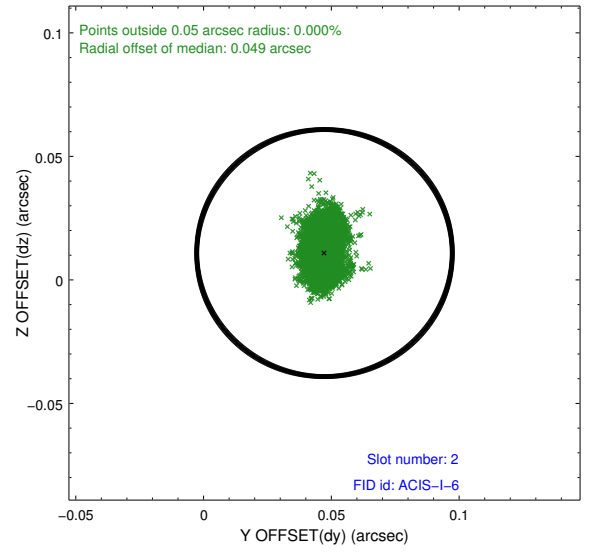
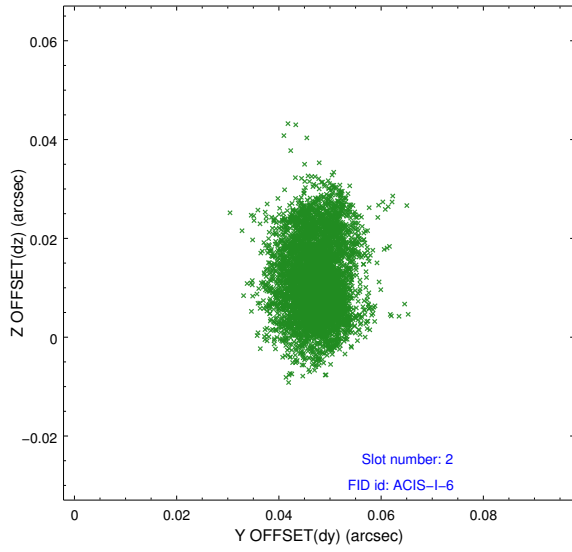
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.756758856177

A.2 Comments

Joint Proposal: NOAO