

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3330 - L2 Version 3
Chandra X-Ray Center

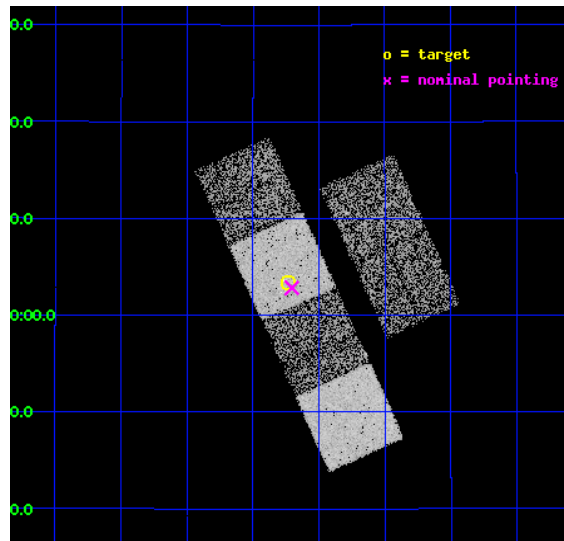
L2 Processing Date : Oct 11 2012

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1 Front

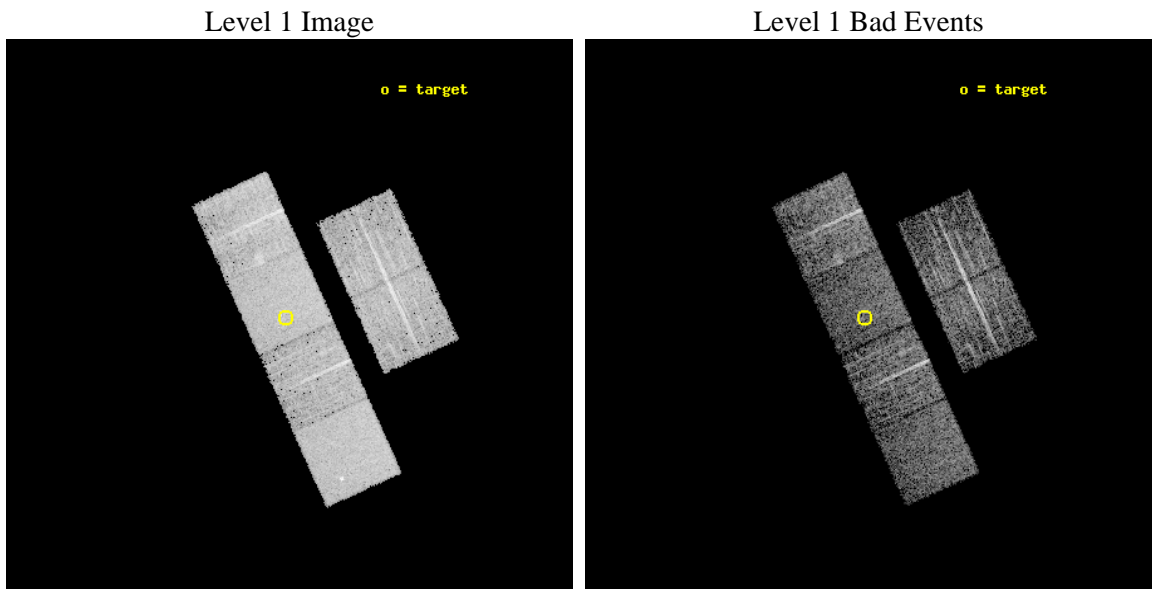
seq_num	900169	Sequence number
obs_id	3330	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1425.2+2303	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.307083	Observer's specified target RA [deg]
dec_targ	23.055278	Observer's specified target Dec [deg]
ra_nom	216.30121001599	Nominal RA [deg]
dec_nom	23.047330317566	Nominal Dec [deg]
roll_nom	245.64378040117	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4760.9103050232	Sum of GTIs [s]
livetime	4700.624792065	Livetime [s]
ontime2	4760.9513450265	Sum of GTIs [s]
ontime3	4760.7871850133	Sum of GTIs [s]
ontime5	4760.8692650199	Sum of GTIs [s]
ontime6	4760.8282250166	Sum of GTIs [s]
ontime7	4760.9103050232	Sum of GTIs [s]
ontime8	4757.5051050484	Sum of GTIs [s]
l2events	49599	Number of level 2 events



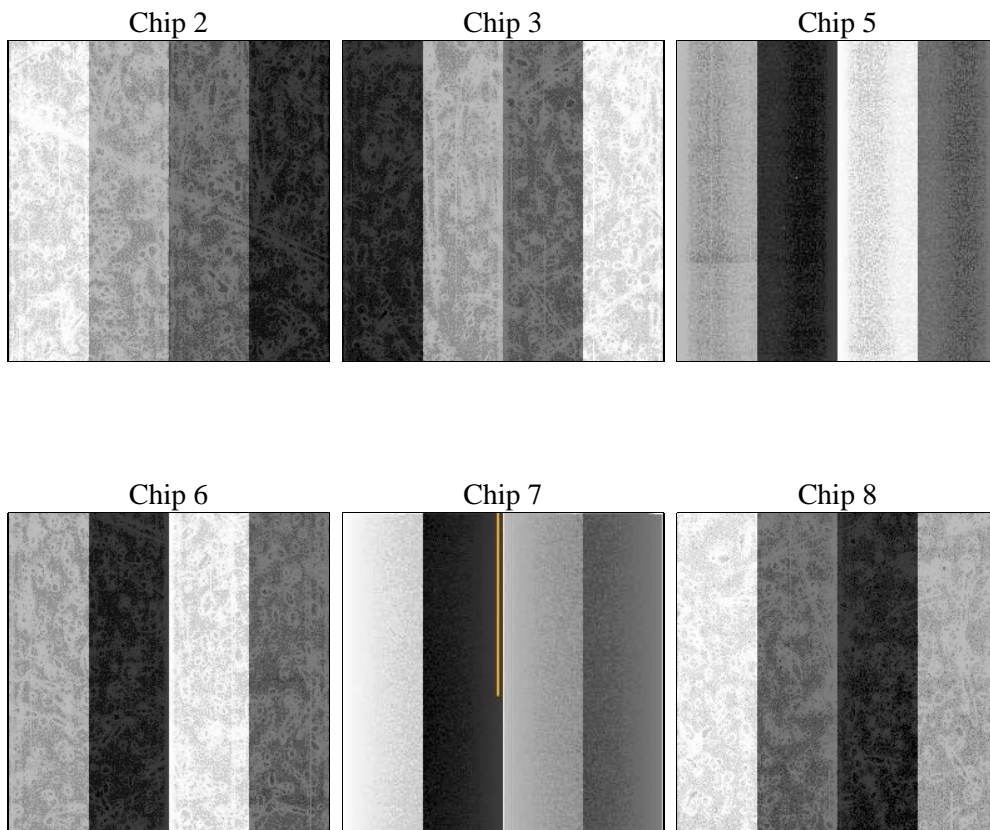
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4760.9103050232	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4760.9513450265	Sum of GTIs [s]
date	2012-10-11T12:52:09	Date and time of file creation	ontime3	4760.7871850133	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4760.8692650199	Sum of GTIs [s]
			ontime6	4760.8282250166	Sum of GTIs [s]
			ontime7	4760.9103050232	Sum of GTIs [s]
			ontime8	4757.5051050484	Sum of GTIs [s]
			l1events	228970	Number of level 1 events

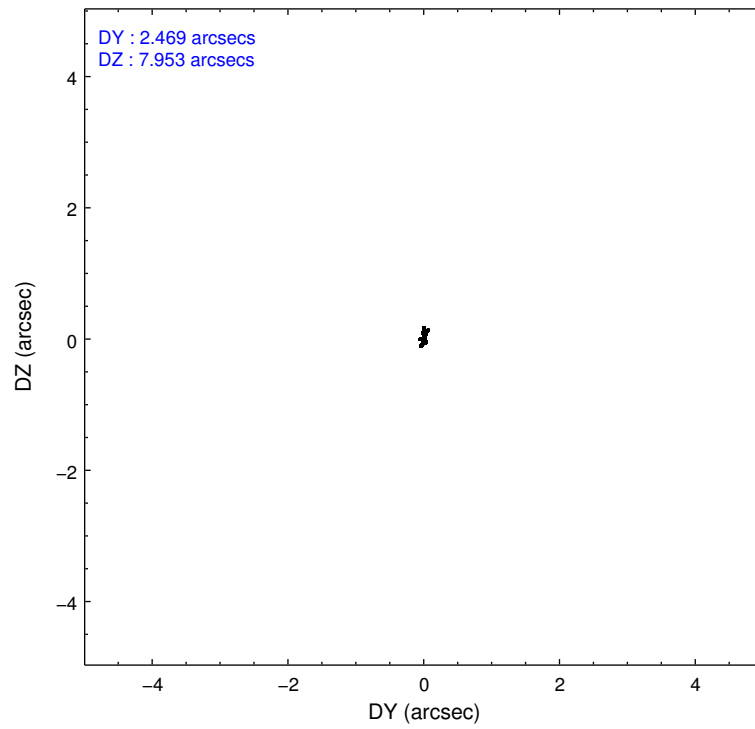
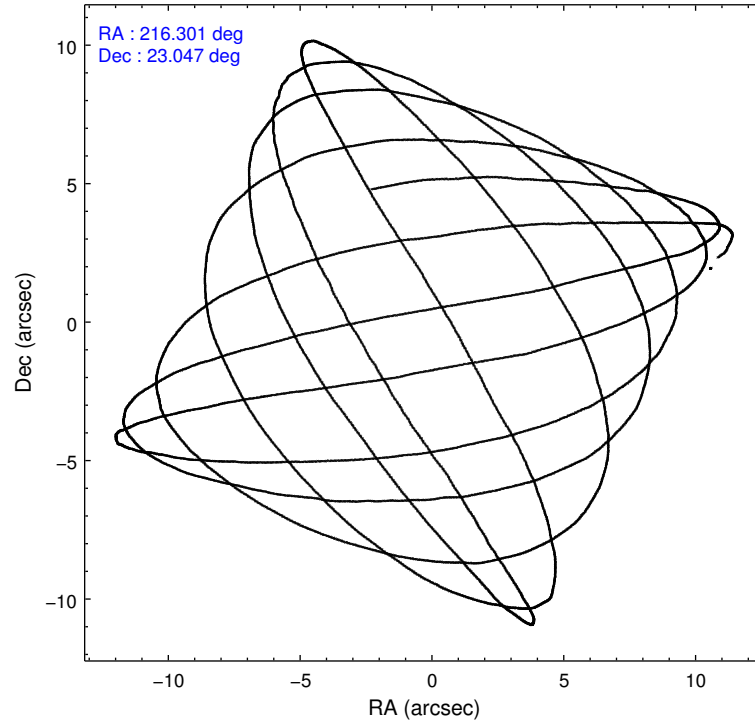
2.1.4 Events

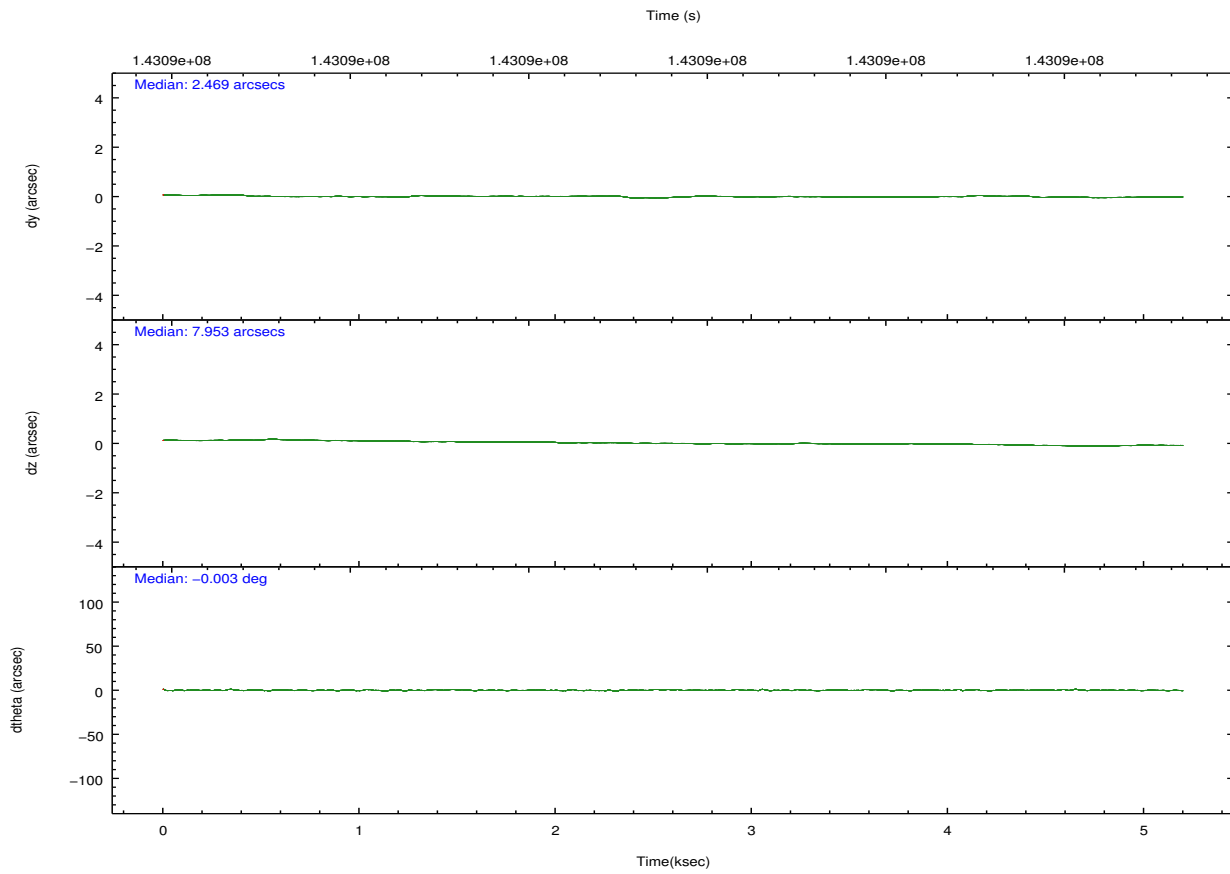
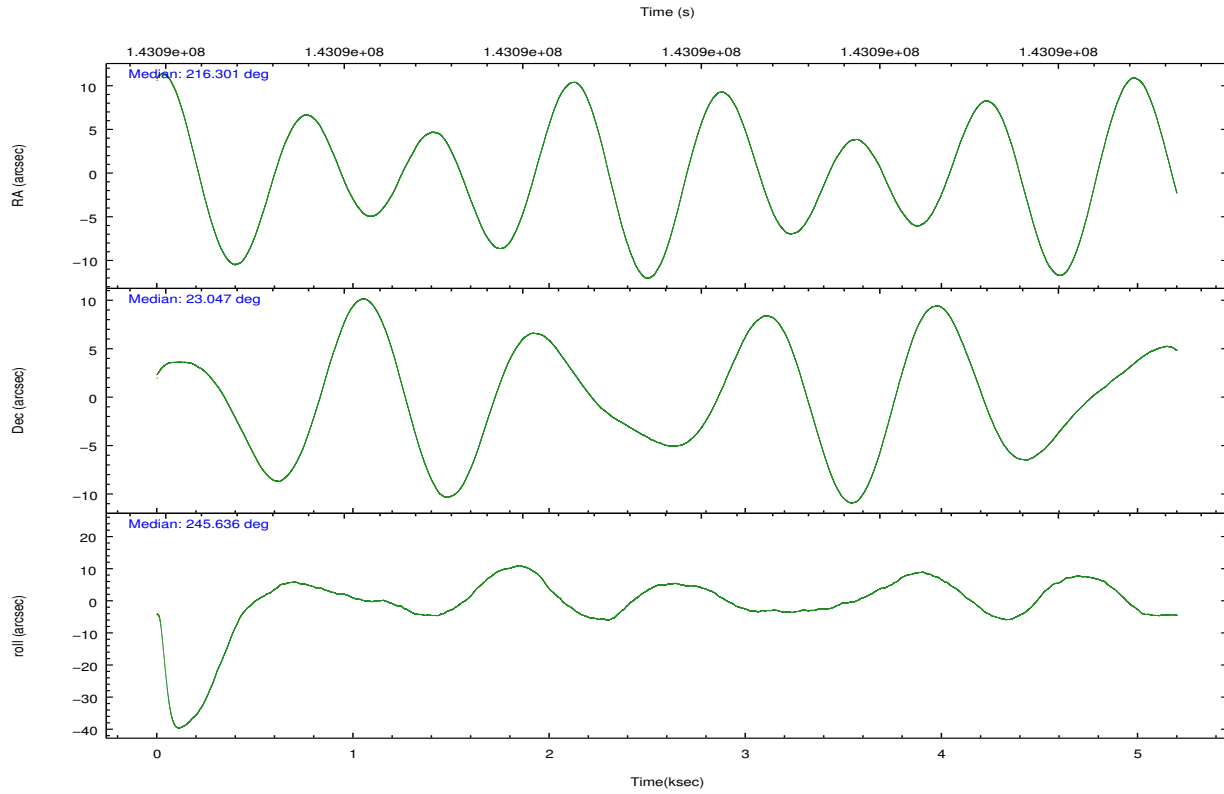
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33607	32422	44957	32884	41720	43380	grade 0 events	1546	1600	1576	1424	1657	2504
rejected events	29877	28658	24671	29188	24546	34571		4%	4%	3%	4%	3%	5%
rejected %	88%	88%	54%	88%	58%	79%	grade 1 events	15	18	42	14	35	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	804	771	5887	761	3436	1971
								2%	2%	13%	2%	8%	4%
							grade 3 events	353	395	1090	378	1544	927
								1%	1%	2%	1%	3%	2%
							grade 4 events	319	362	797	383	1548	847
								0%	1%	1%	1%	3%	1%
							grade 5 events	1153	1233	3412	1358	3889	1675
								3%	3%	7%	4%	9%	3%
							grade 6 events	709	639	10951	751	9000	2564
								2%	1%	24%	2%	21%	5%
							grade 7 events	28708	27404	21202	27815	20611	32855
								85%	84%	47%	84%	49%	75%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	216.297822	216.3012100159949	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.074363	23.04733031756599	Alternating exposures requested	N	N
[deg] Pointing Roll	245.488363	245.6437804011709	[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)	143086409.184000	143085932.87142			
Observation start date	2002-07-15T02:12:25	2002-07-15T02:05:32			
[s] Observation end time (MET)	143091409.184000	143092226.88417			
Observation end date	2002-07-15T03:35:45	2002-07-15T03:50:26			
Read mode	TIMED	TIMED			

2.3 Aspect



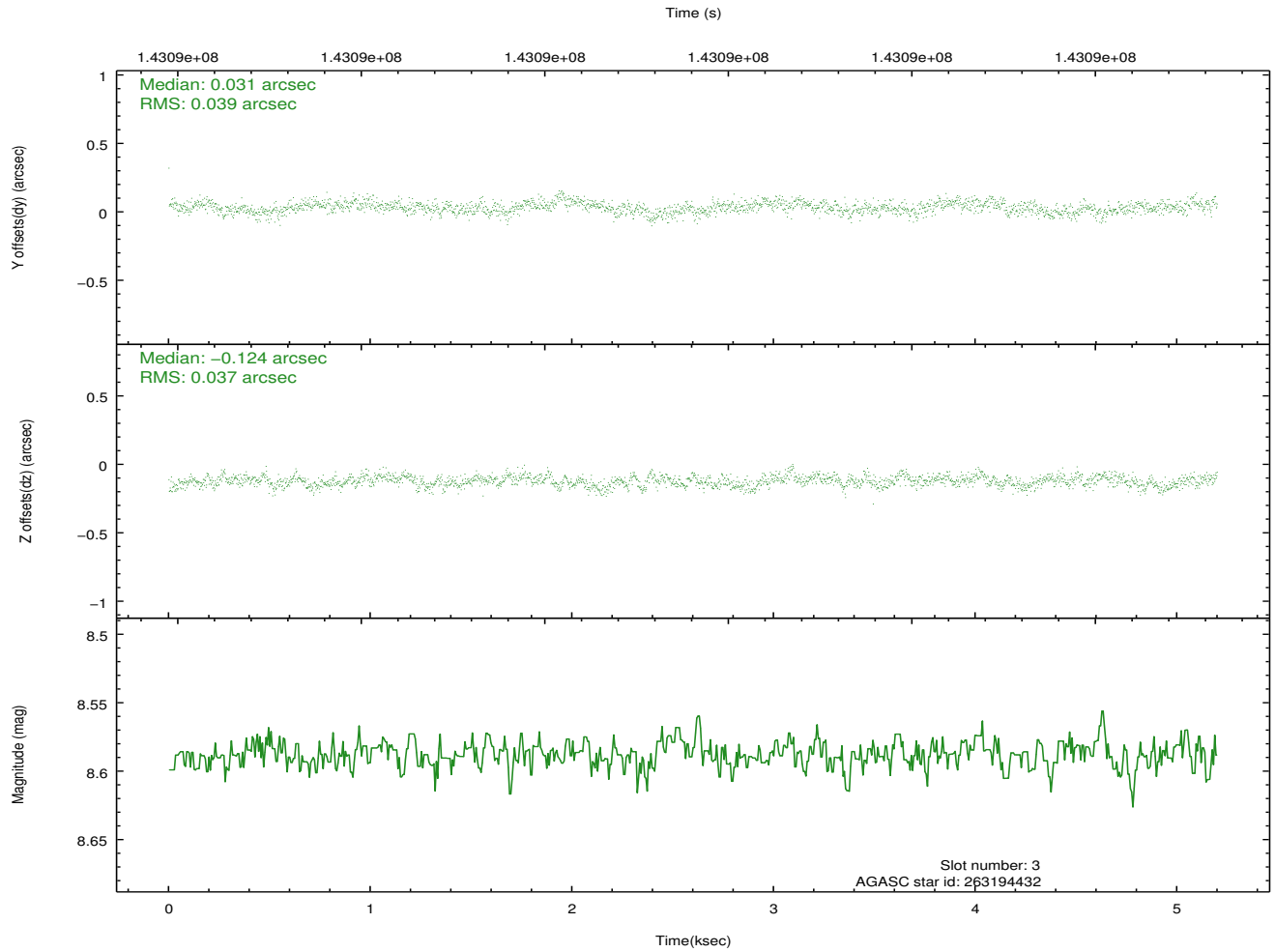
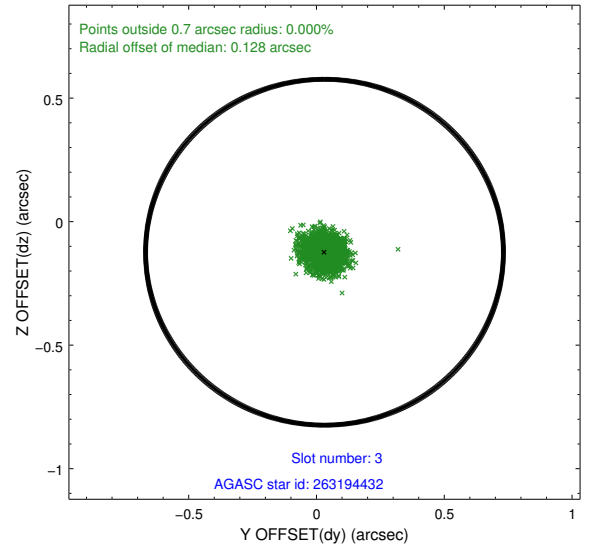
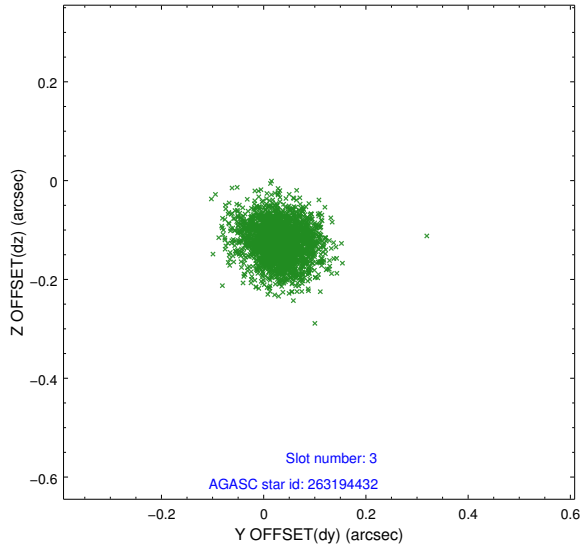


Slot Statistics

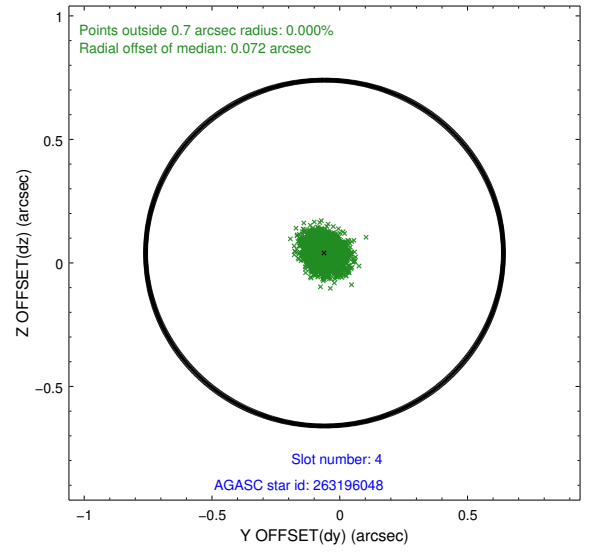
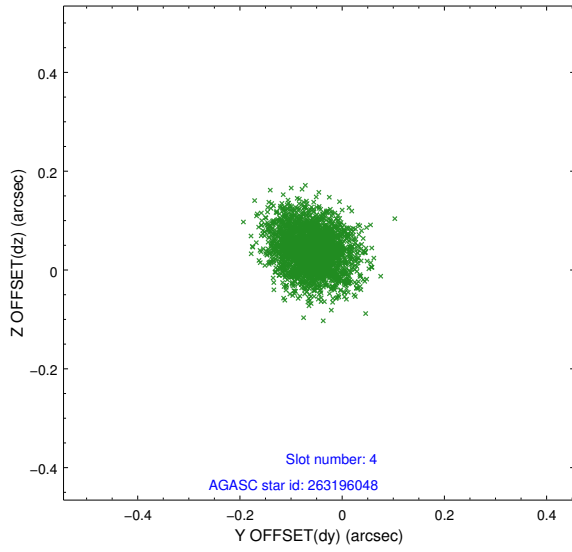
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1269	-0.007	0.003	0.007	0.011	0.000000	0.000000	-755.12	-1729.15
1	FID	ACIS-S-4	7.20	1269	-0.040	0.002	0.005	0.010	0.000000	0.000000	2157.62	178.10
2	FID	ACIS-S-5	7.23	1269	0.017	0.003	0.007	0.012	0.000000	0.000000	-1806.42	173.14
3	GUIDE	263194432	8.59	2534	0.031	-0.124	0.057	0.095	216.192636	22.671847	1463.28	283.98
4	GUIDE	263196048	8.69	2537	-0.060	0.040	0.061	0.099	216.468737	22.828170	571.20	884.52
5	GUIDE	194250128	9.09	2535	0.050	0.074	0.077	0.122	216.438086	22.290634	2373.10	1596.90
6	GUIDE	263200008	9.52	2534	0.081	0.077	0.113	0.175	215.773312	22.628922	2180.72	-920.38
7	GUIDE	263200584	9.66	2532	-0.099	-0.065	0.115	0.185	215.715152	23.220906	317.23	-1974.06

2.4 Star Slots

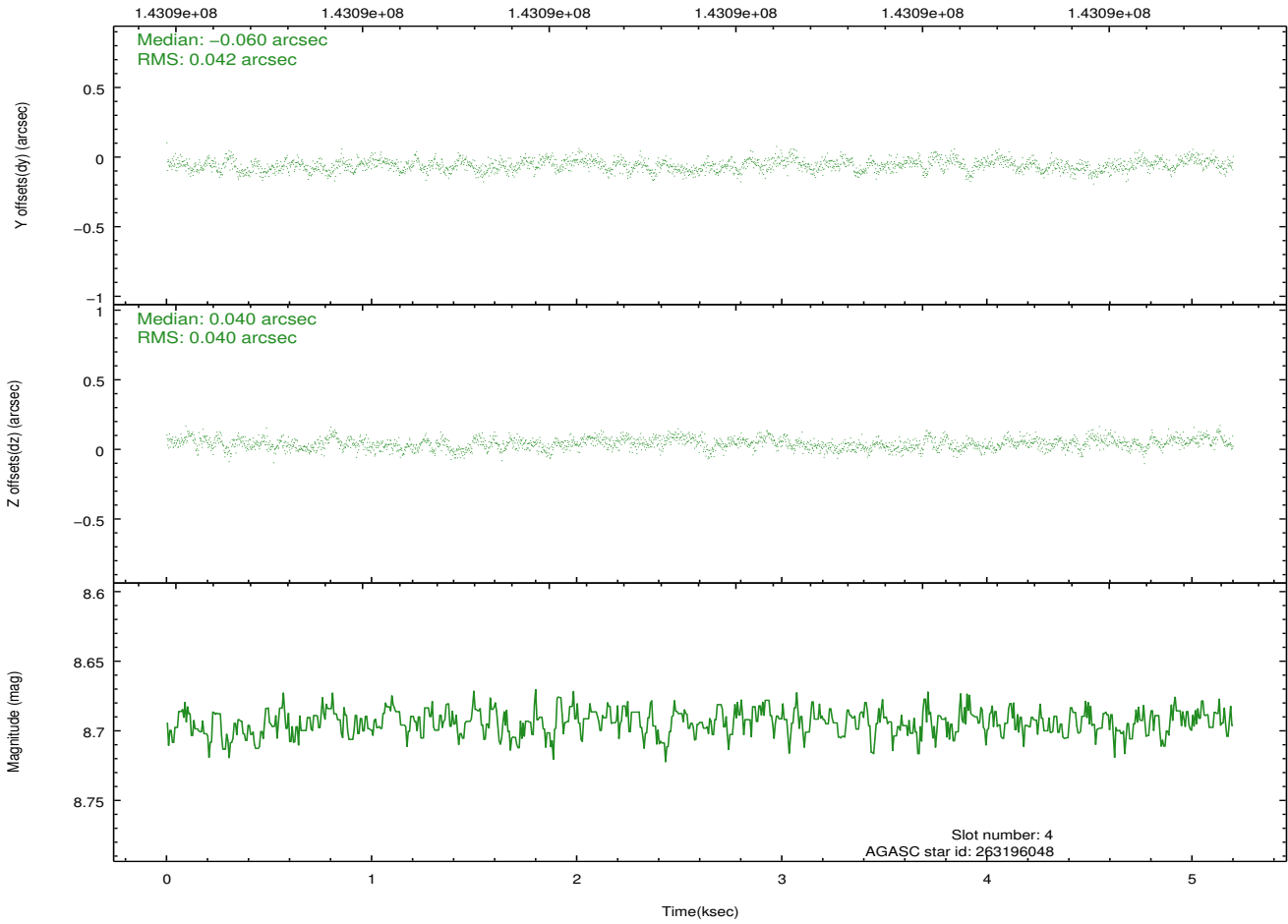
2.4.1 Slot 3



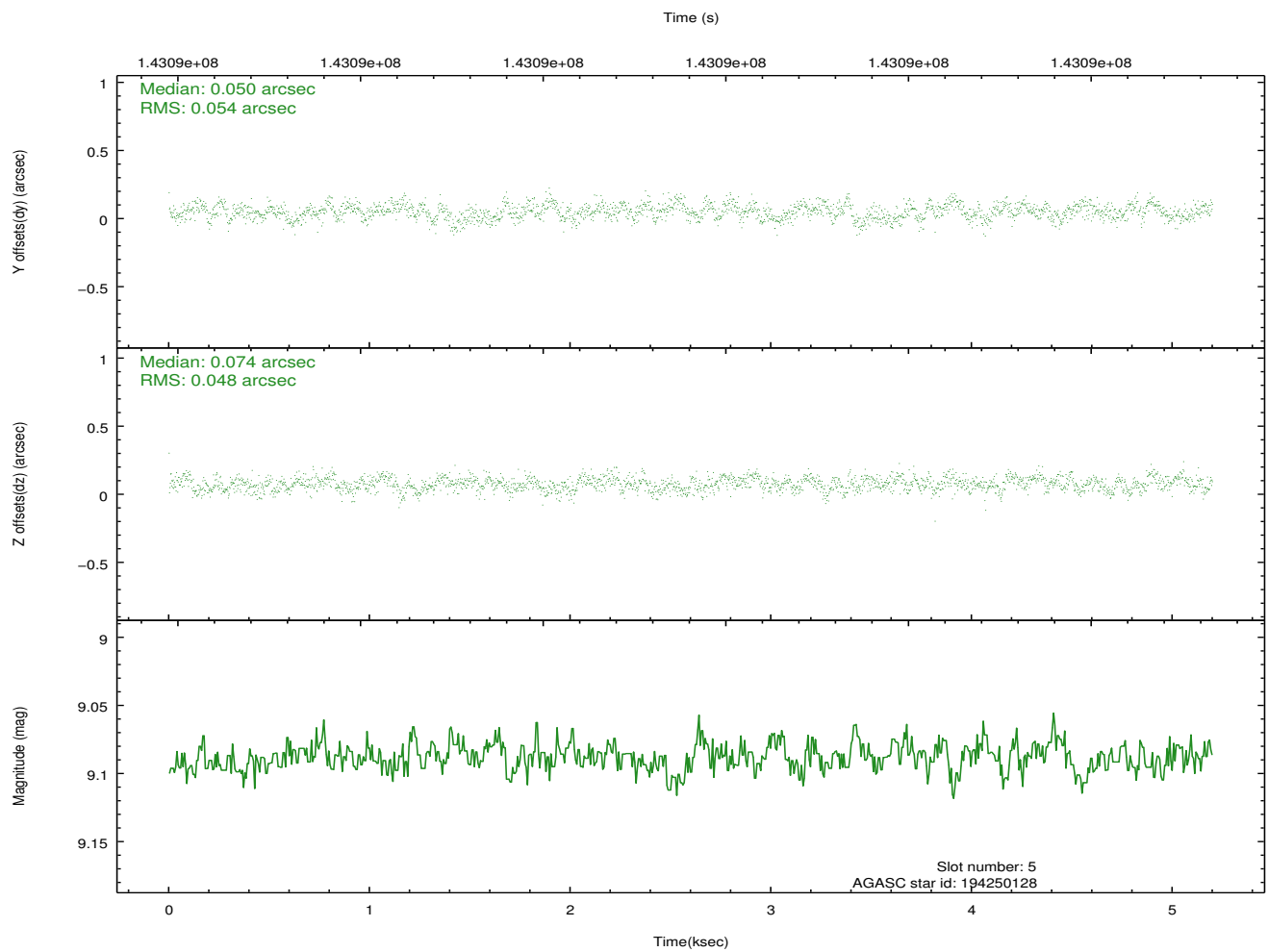
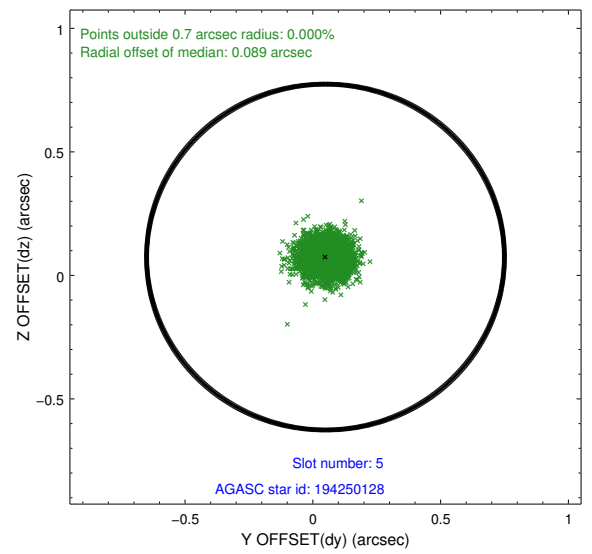
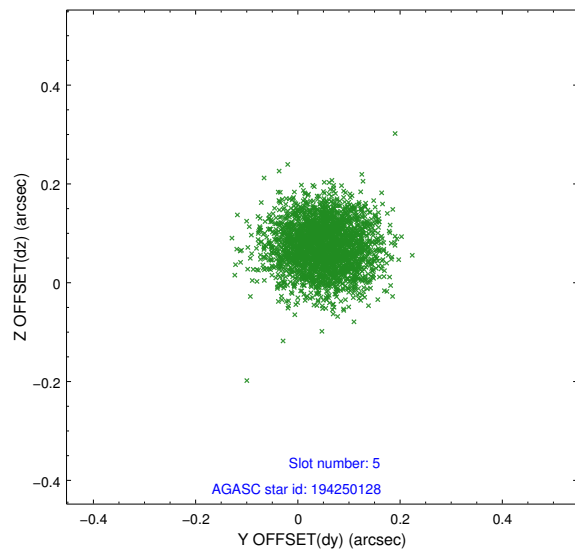
2.4.2 Slot 4



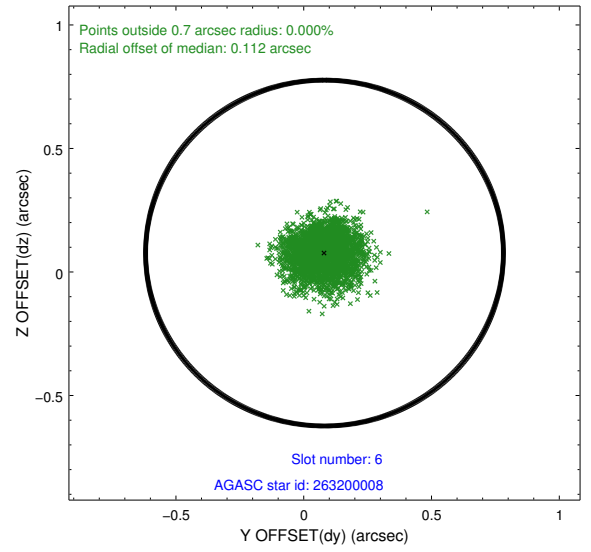
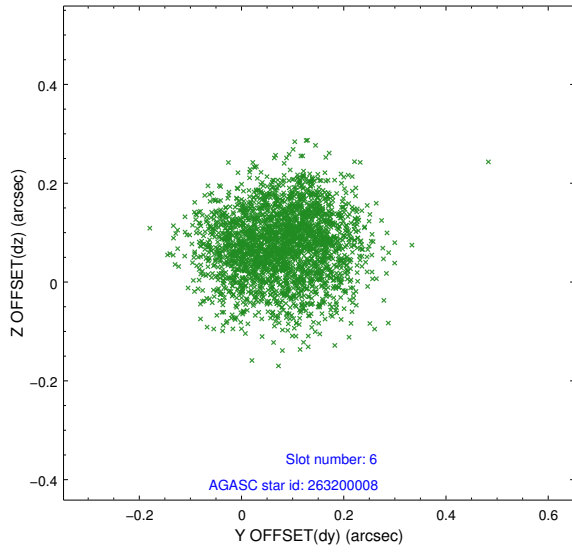
Time (s)



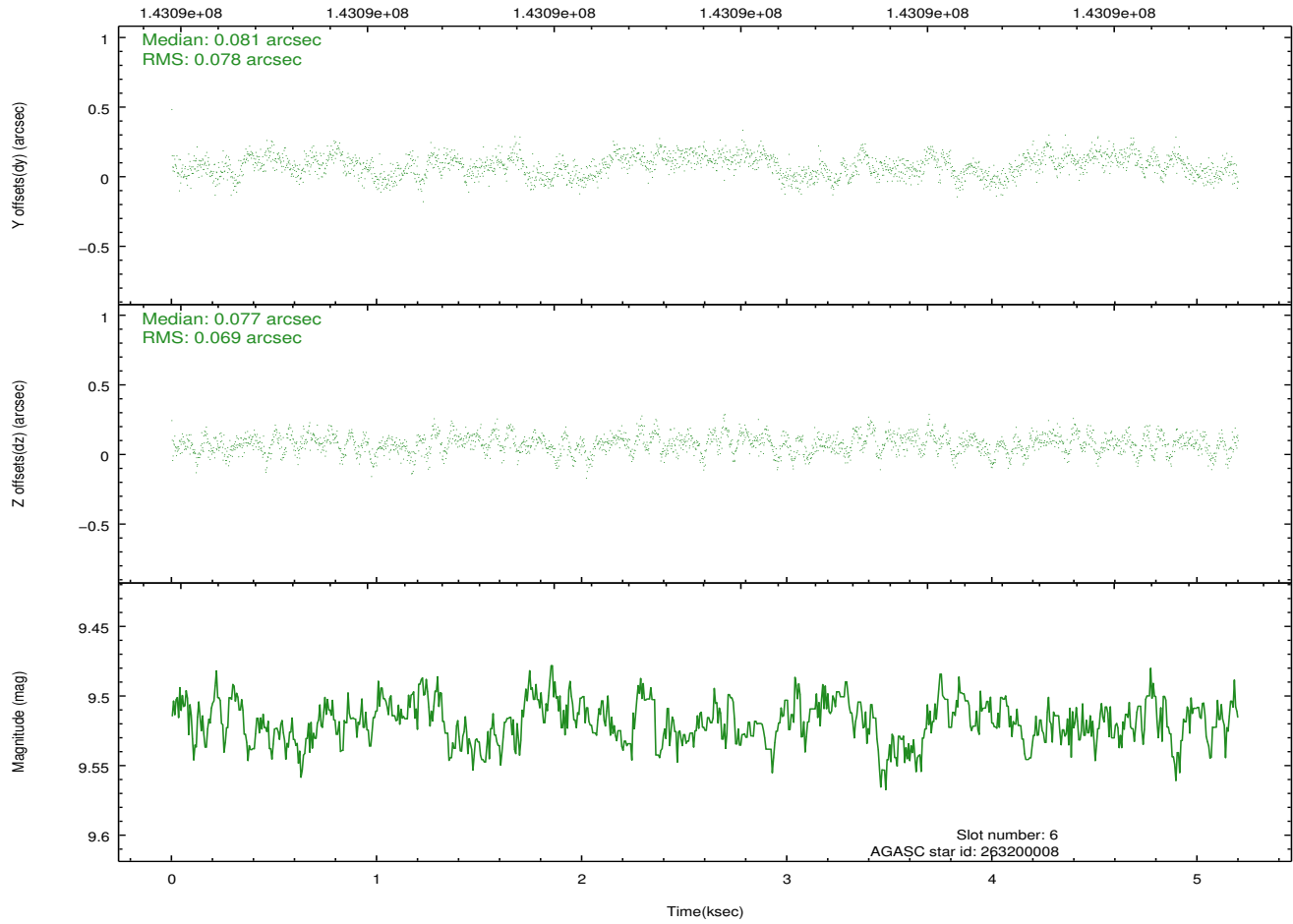
2.4.3 Slot 5



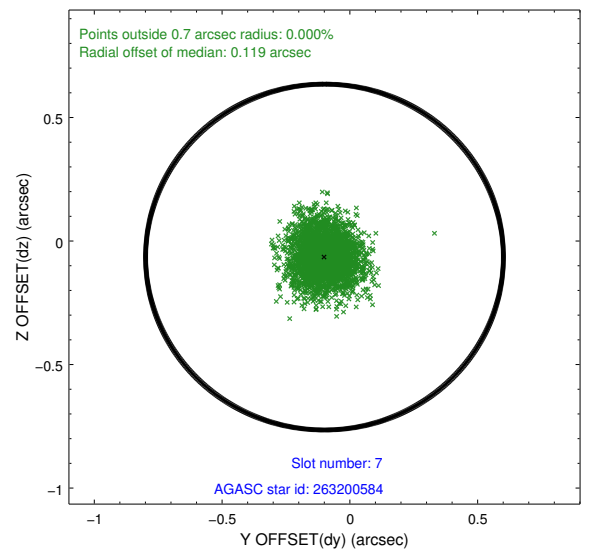
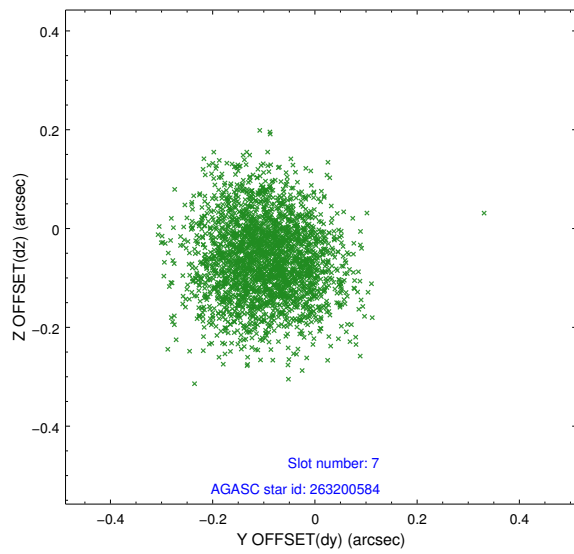
2.4.4 Slot 6



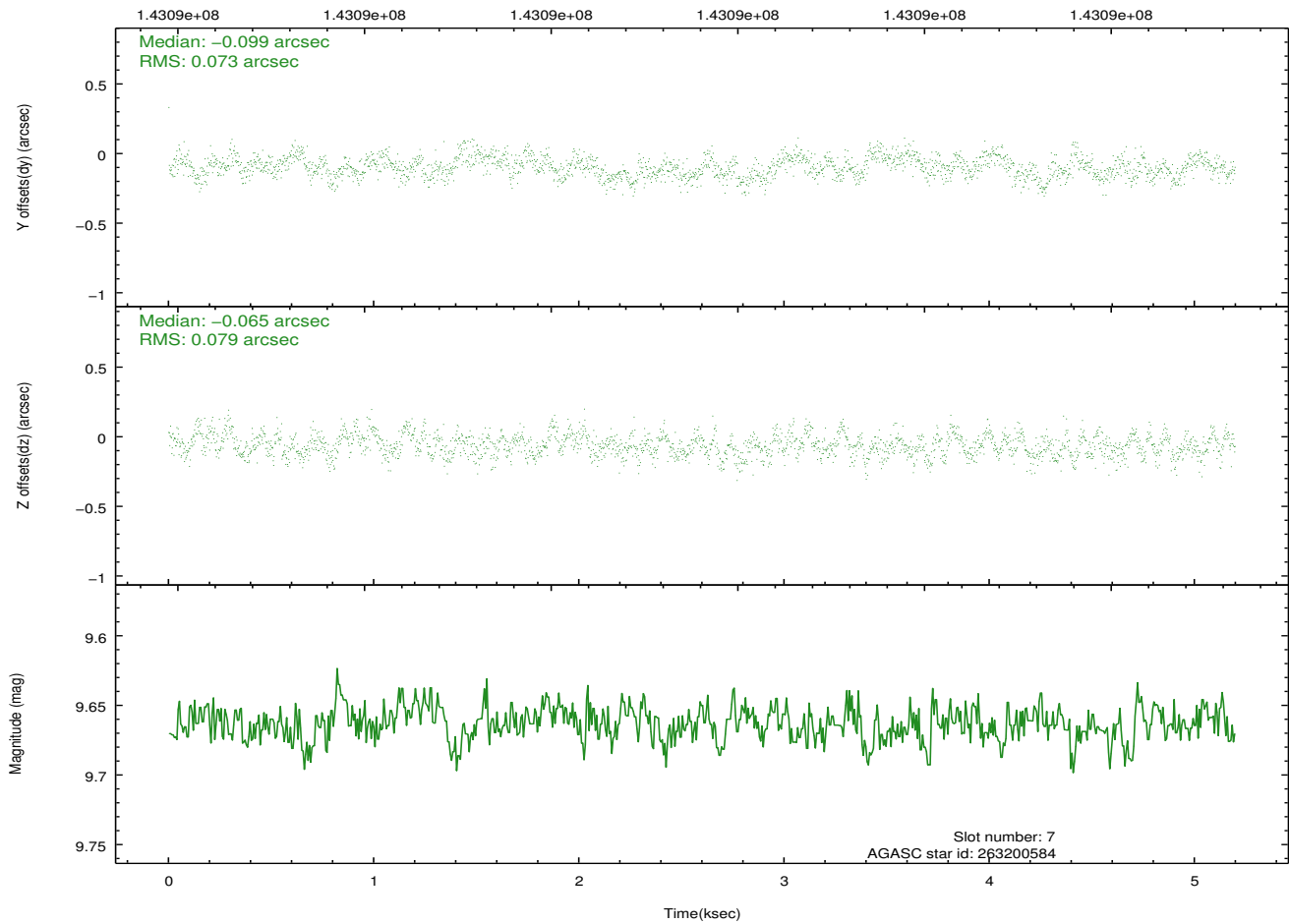
Time (s)



2.4.5 Slot 7

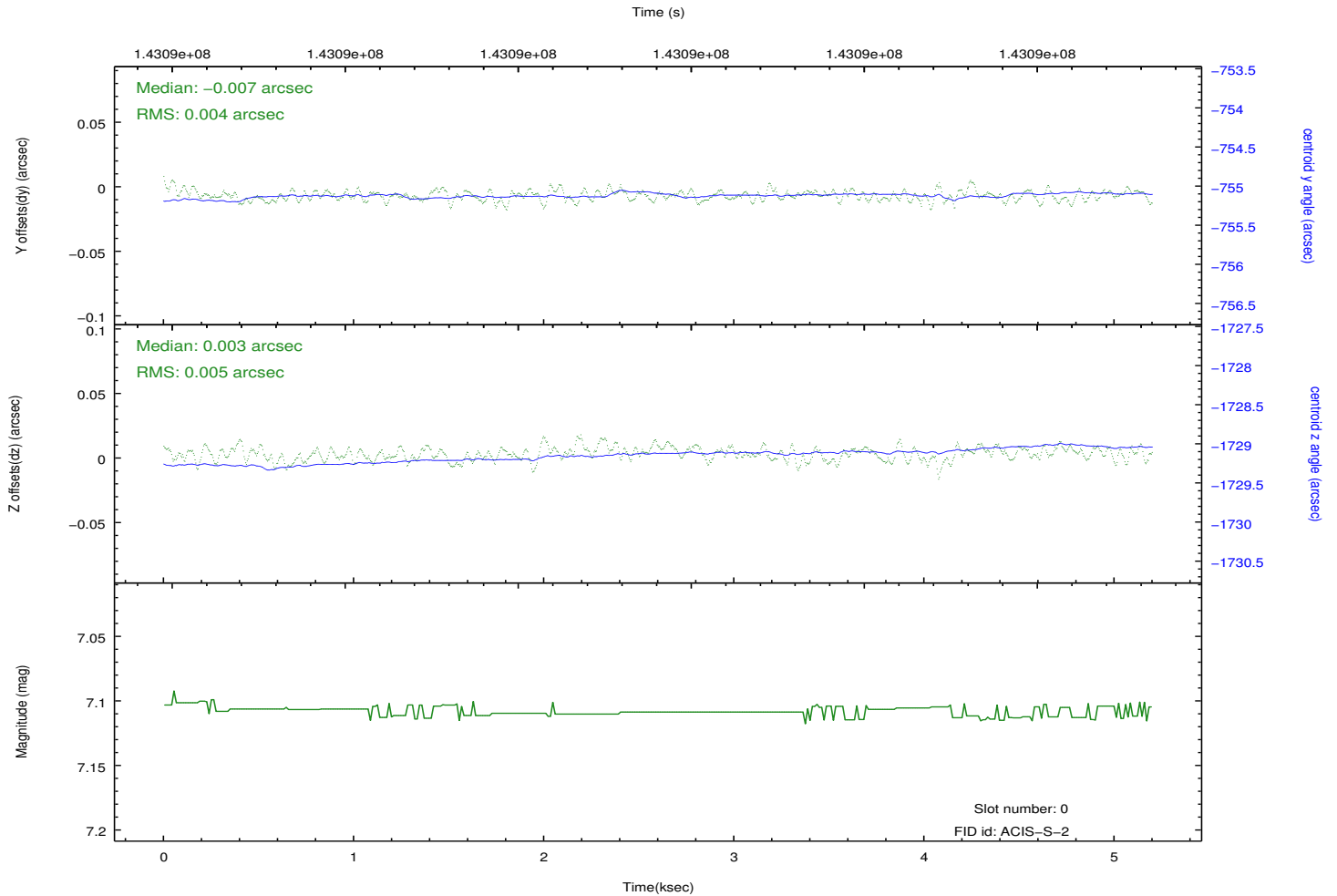
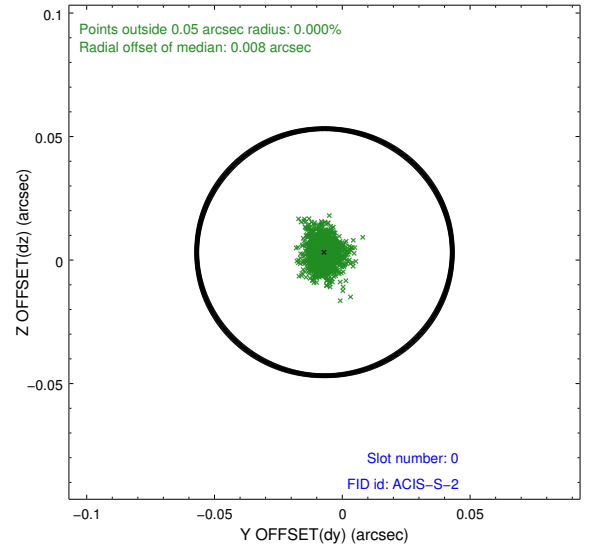
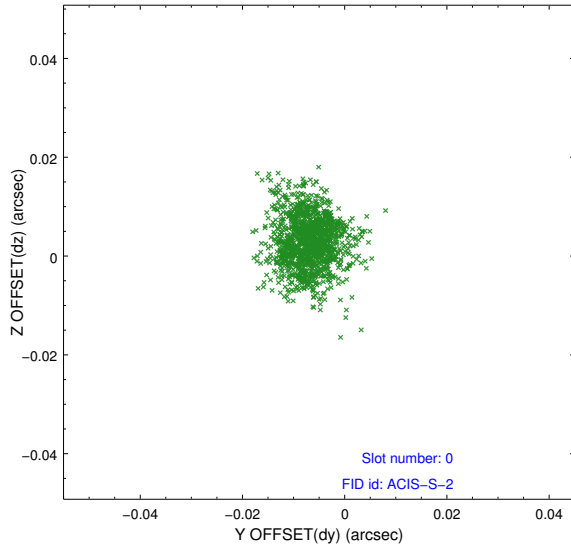


Time (s)

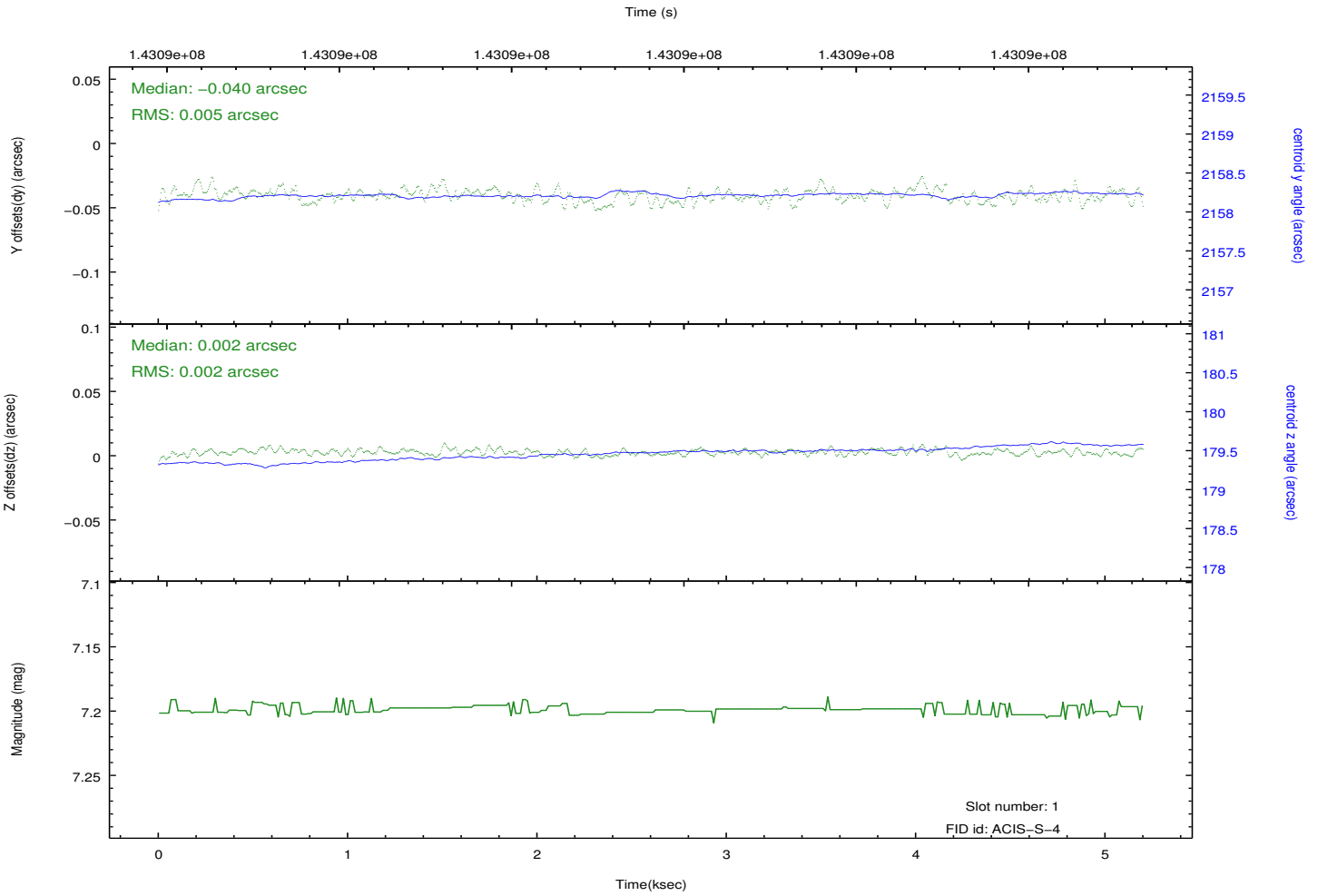
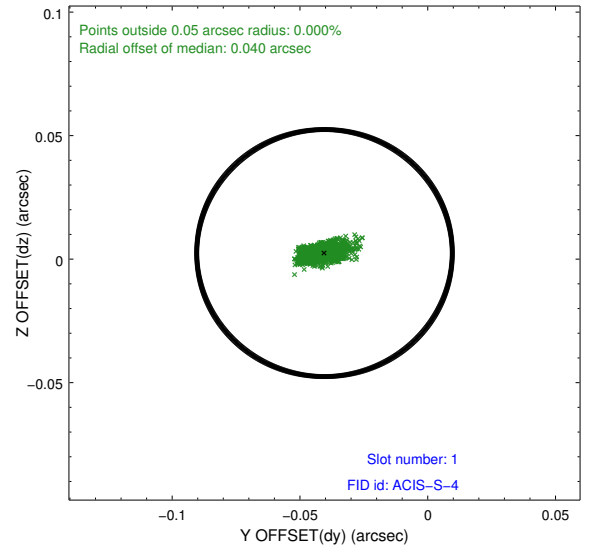
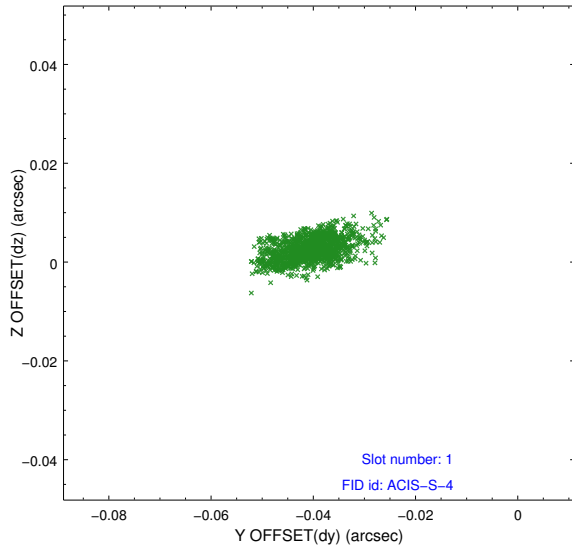


2.5 FID Slots

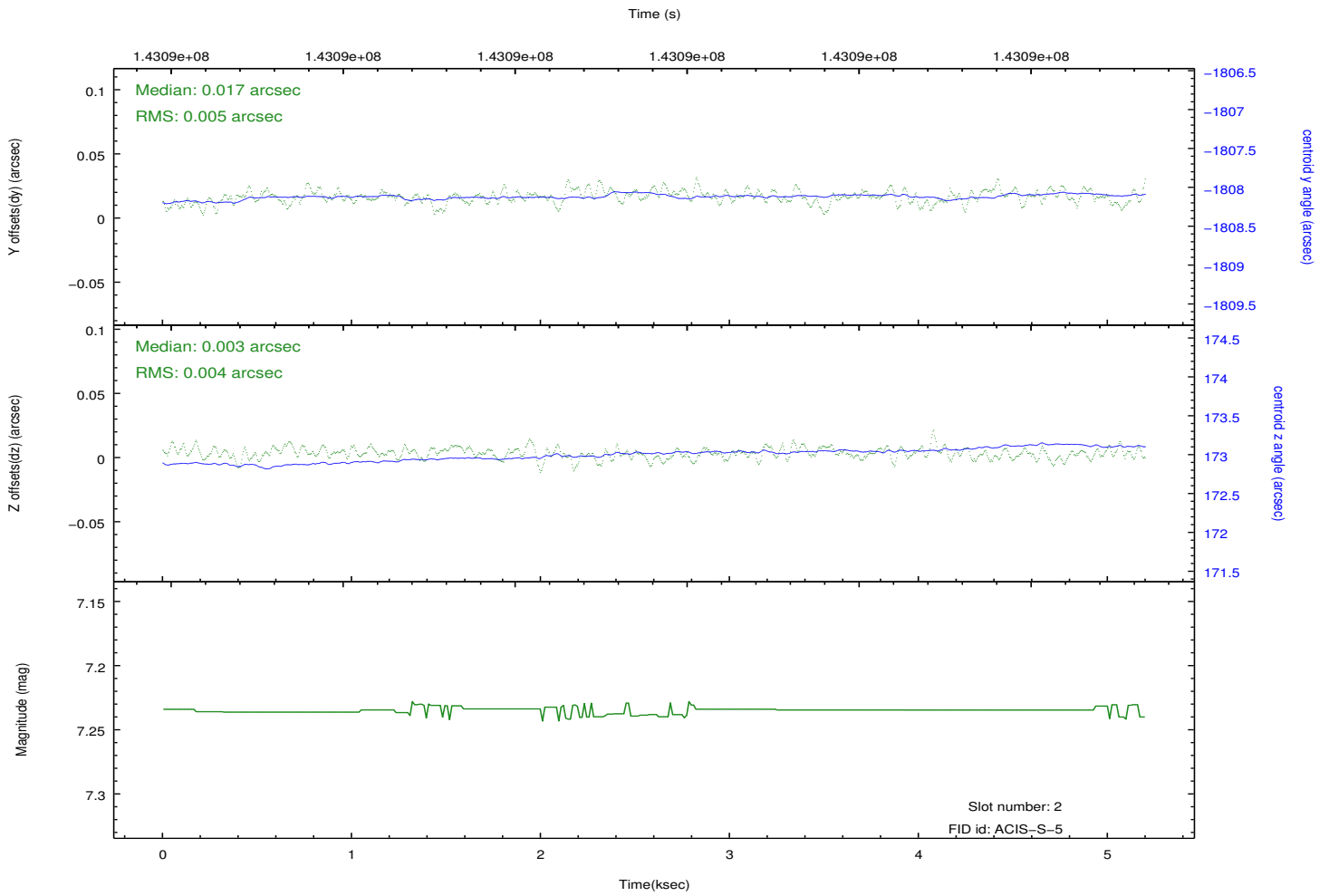
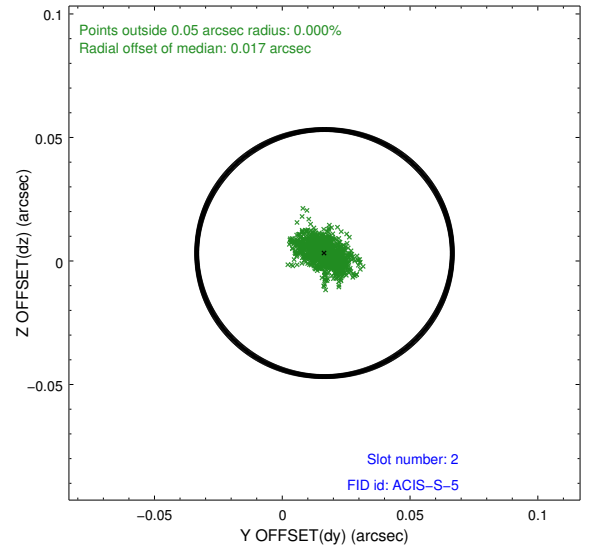
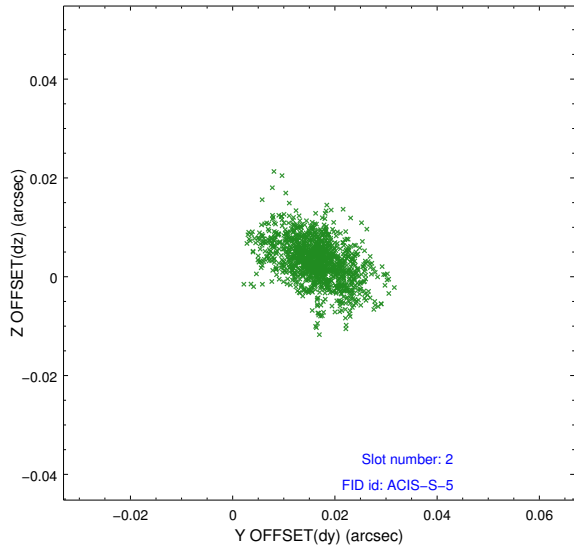
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.761

A.2 Comments

Joint Proposal: NOAO