

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 766 - L2 Version 4
Chandra X-Ray Center

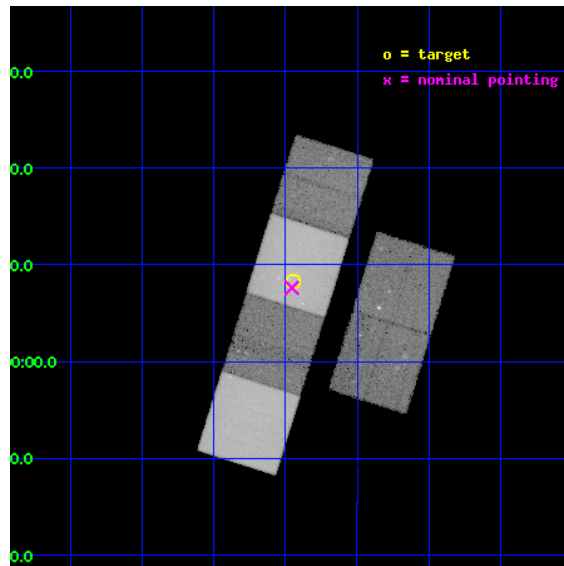
L2 Processing Date : Aug 23 2012

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1 Front

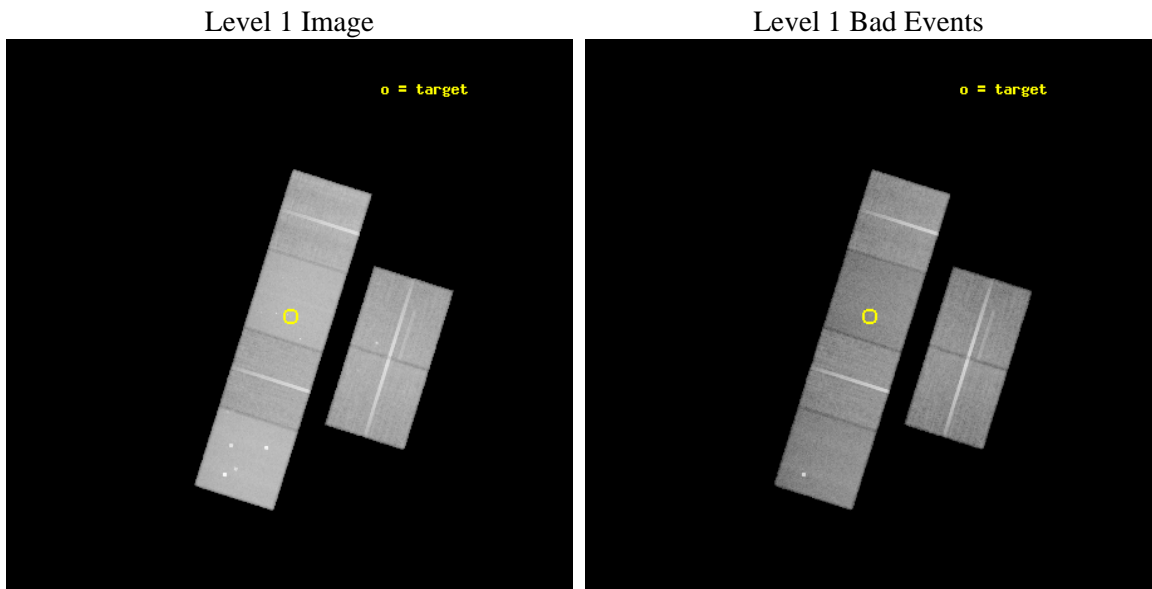
seq_num	500062	Sequence number
obs_id	766	Observation id
title	PROMPT AXAF OBSERVATIONS OF NEARBY SUPERNOVAE	Proposal title
observer	Prof. Walter Lewin	Principal investigator
object	SN1999em	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.36275	Observer's specified target RA [deg]
dec_targ	-2.86294	Observer's specified target Dec [deg]
ra_nom	70.363953943647	Nominal RA [deg]
dec_nom	-2.8729876848169	Nominal Dec [deg]
roll_nom	287.47257557888	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39048.865084685	Sum of GTIs [s]
livetime	38554.404842579	Livetime [s]
ontime2	39048.906124689	Sum of GTIs [s]
ontime3	39048.74196469	Sum of GTIs [s]
ontime5	39048.82404469	Sum of GTIs [s]
ontime6	39048.783004686	Sum of GTIs [s]
ontime7	39048.865084685	Sum of GTIs [s]
ontime8	39048.700924687	Sum of GTIs [s]
l2events	599832	Number of level 2 events



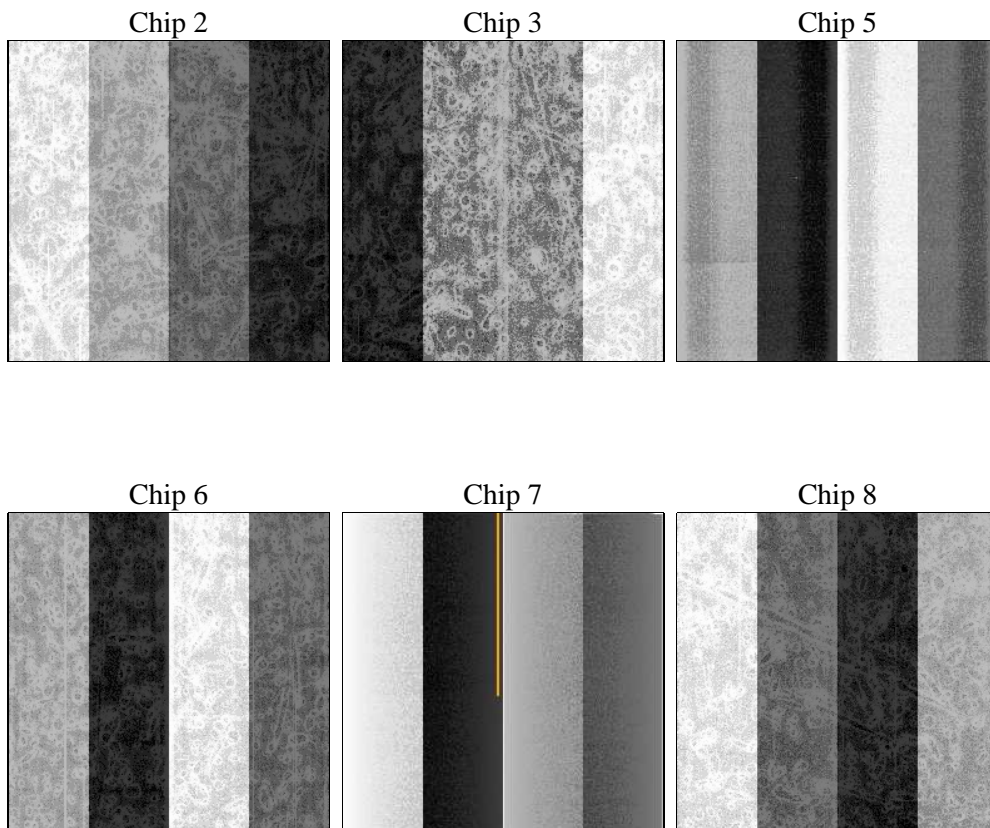
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39048.865084685	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	39048.906124689	Sum of GTIs [s]
date	2012-08-23T20:13:10	Date and time of file creation	ontime3	39048.74196469	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	39048.82404469	Sum of GTIs [s]
			ontime6	39048.783004686	Sum of GTIs [s]
			ontime7	39048.865084685	Sum of GTIs [s]
			ontime8	39048.700924687	Sum of GTIs [s]
			l1events	2246078	Number of level 1 events

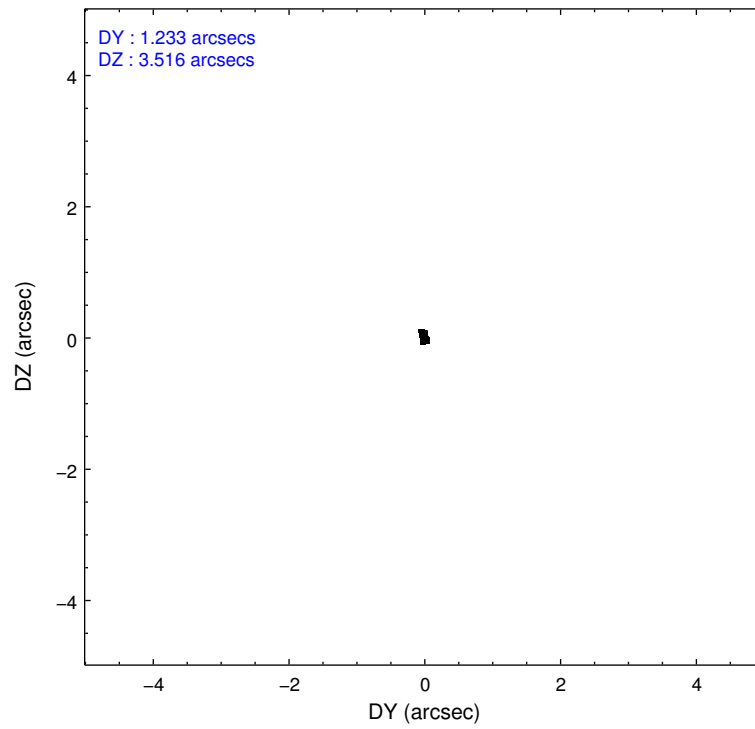
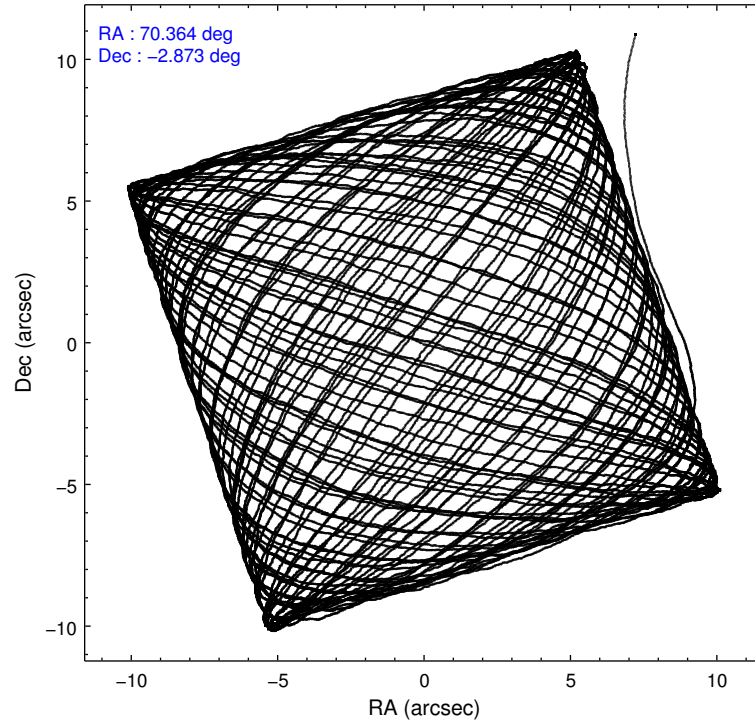
2.1.4 Events

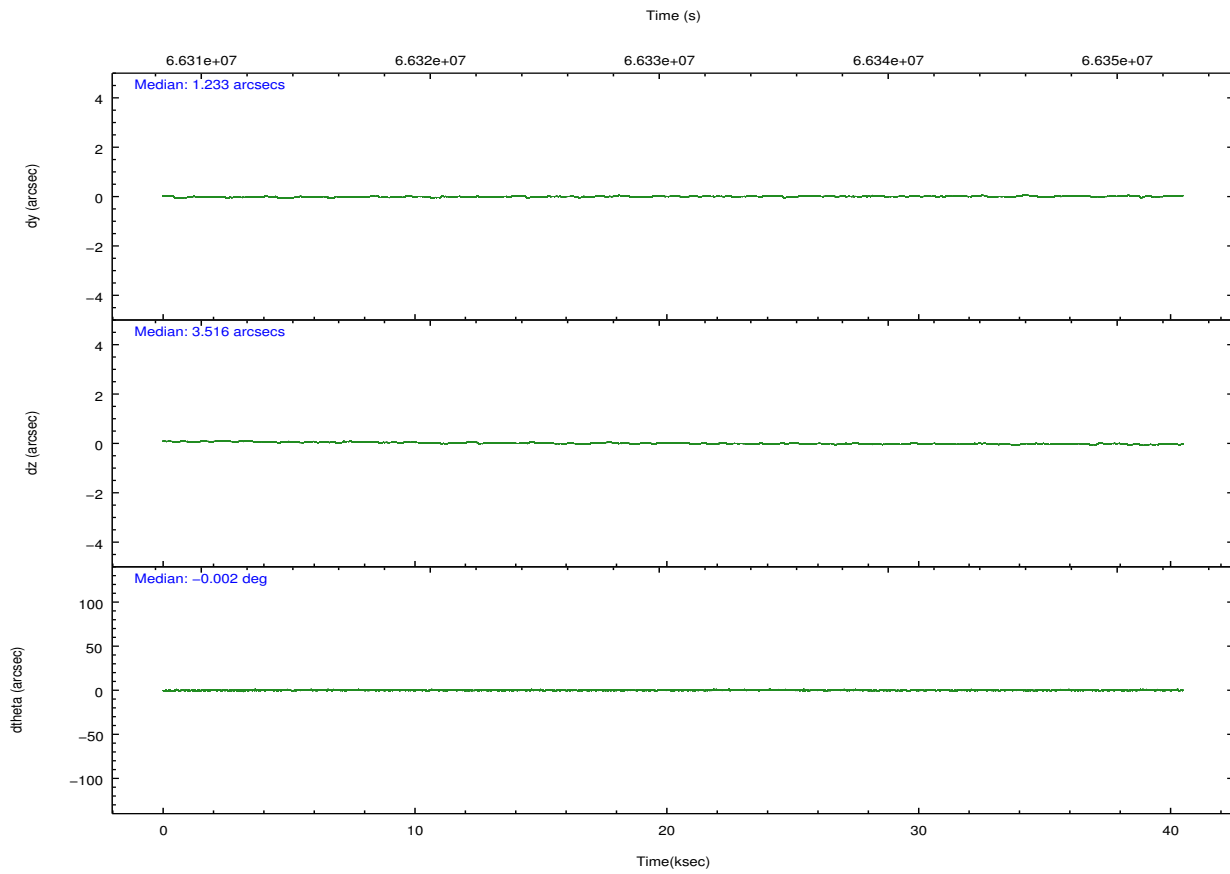
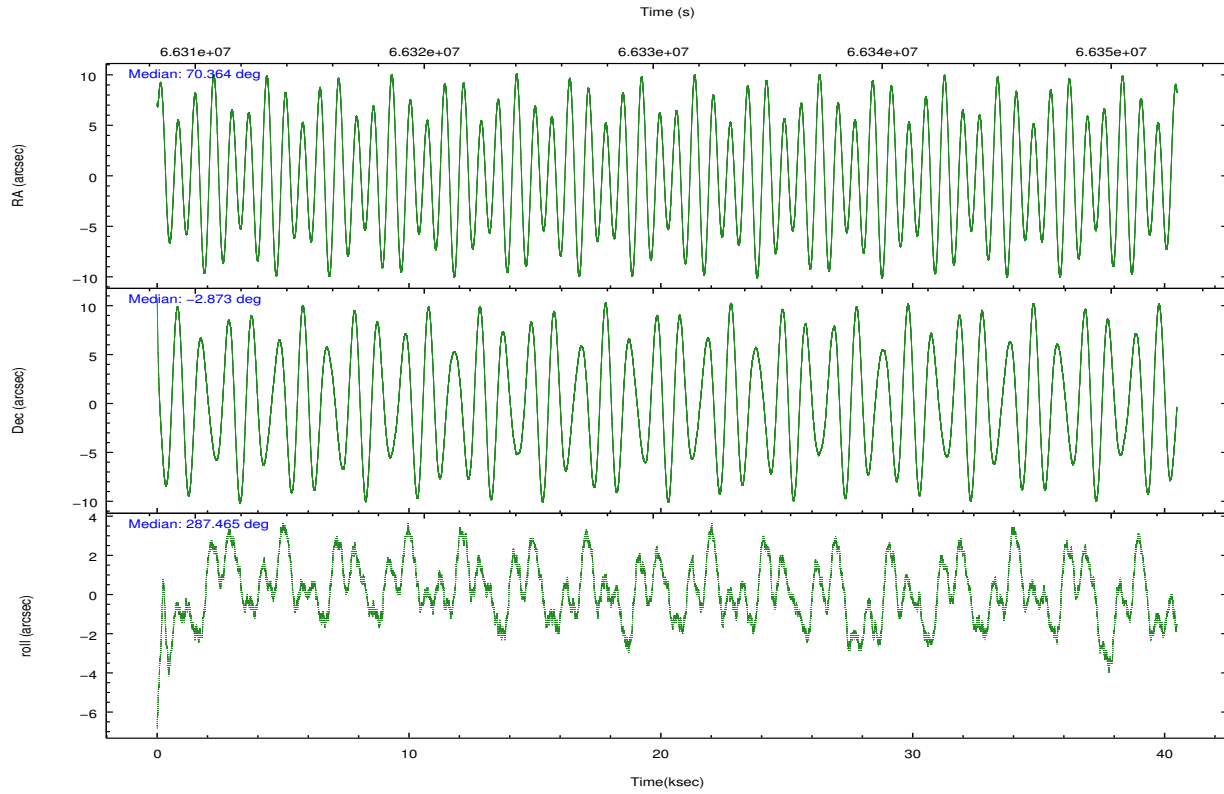
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	319846	304474	483473	315549	441265	381471	grade 0 events	14171	15868	42808	16292	27762	25384
rejected events	286857	270363	216978	279835	203110	306694		4%	5%	8%	5%	6%	6%
rejected %	89%	88%	44%	88%	46%	80%	grade 1 events	153	129	464	148	346	213
								0%	0%	0%	0%	0%	0%
							grade 2 events	7051	6456	76080	6724	45524	15763
								2%	2%	15%	2%	10%	4%
							grade 3 events	3092	3251	13185	3313	21248	8062
								0%	1%	2%	1%	4%	2%
							grade 4 events	3106	3143	12776	3427	21048	7536
								0%	1%	2%	1%	4%	1%
							grade 5 events	9122	9632	30475	10906	34307	13826
								2%	3%	6%	3%	7%	3%
							grade 6 events	5571	5399	121698	5961	122619	18046
								1%	1%	25%	1%	27%	4%
							grade 7 events	277580	260596	185987	268778	168411	292641
								86%	85%	38%	85%	38%	76%

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	70.343657	70.36395394364692	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.854402	-2.872987684816926	Alternating exposures requested	N	N
[deg] Pointing Roll	287.314935	287.472575578879	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	66182465.184000	66182465.184000			
[s] Window stop time (MET)	67392065.184000	67392065.184000			
[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)	66310850.184000	66309781.353045			
Observation start date	2000-02-07T11:39:46	2000-02-07T11:23:01			
[s] Observation end time (MET)	66350850.184000	66351567.529567			
Observation end date	2000-02-07T22:46:26	2000-02-07T22:59:27			
Read mode	TIMED	TIMED			

2.3 Aspect



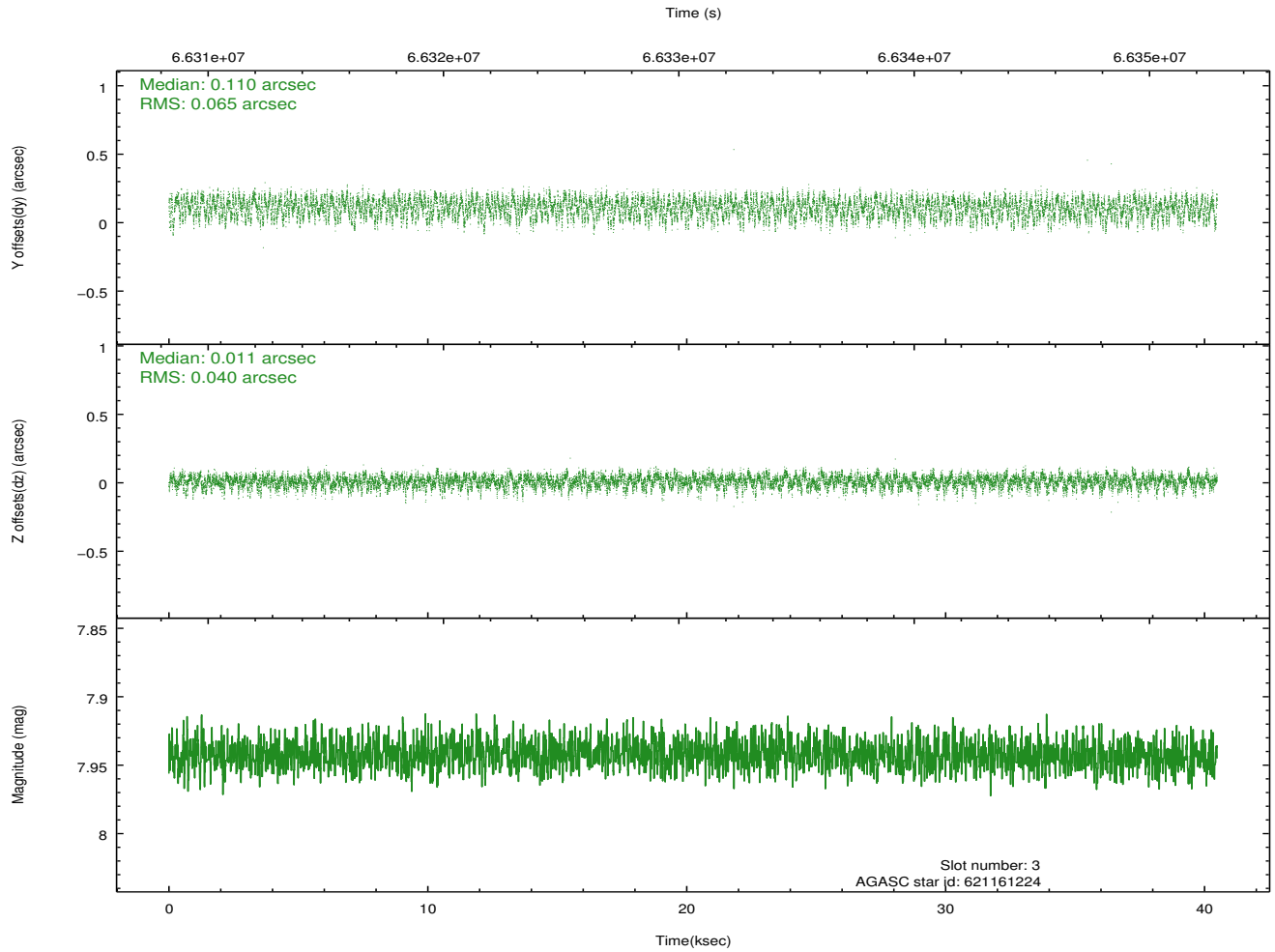
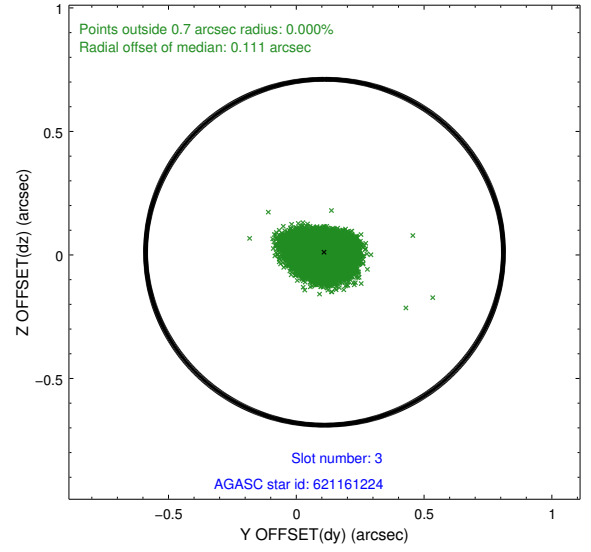
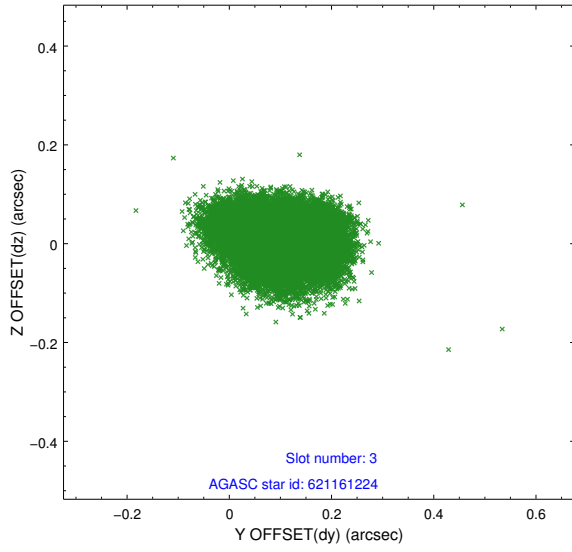


Slot Statistics

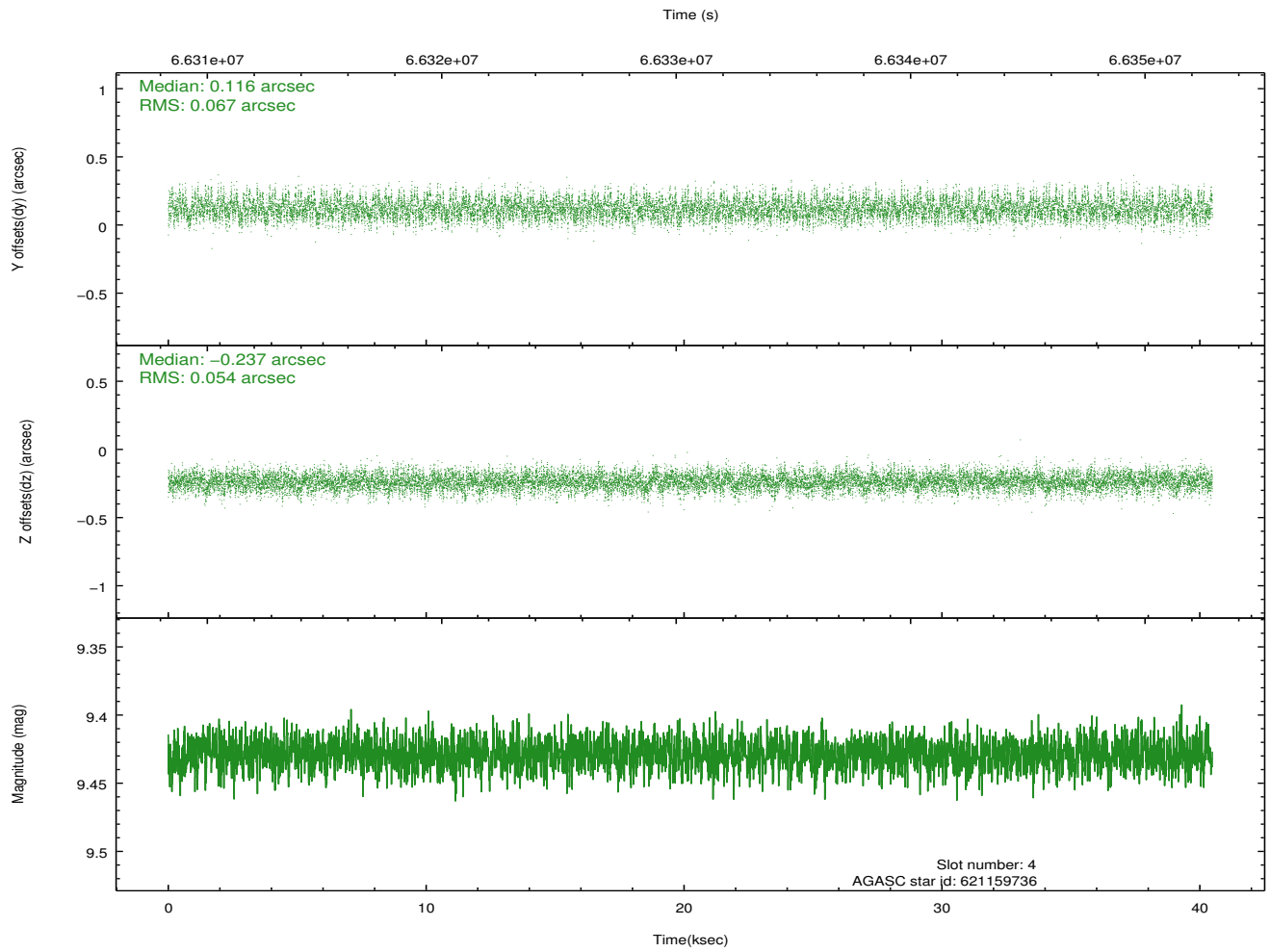
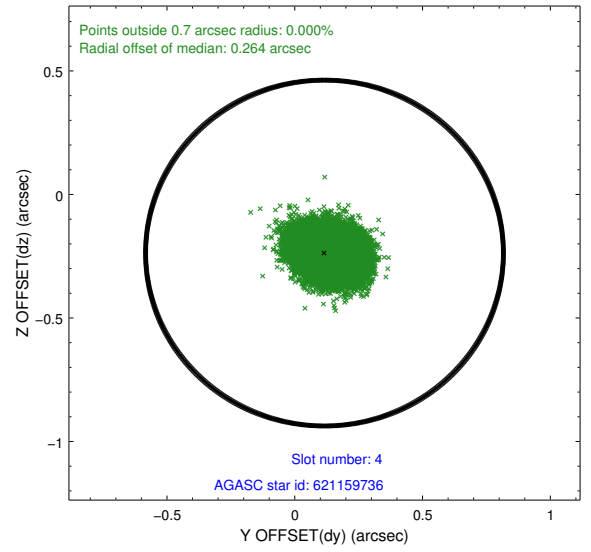
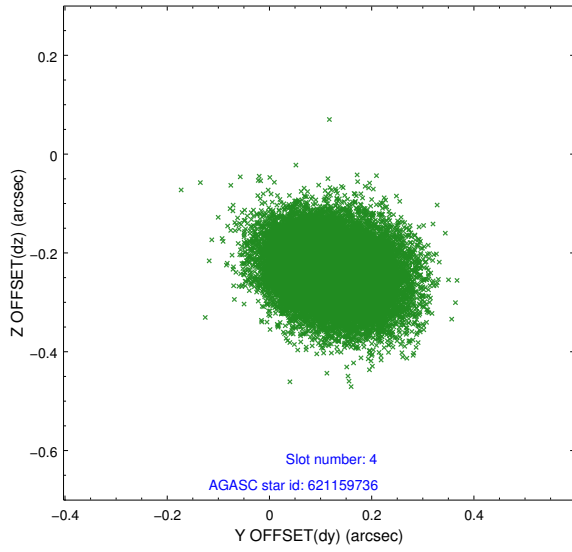
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9875	-0.002	-0.014	0.007	0.011	0.000000	0.000000	-753.88	-1724.58
1	FID	ACIS-S-4	7.21	9873	-0.002	0.005	0.006	0.011	0.000000	0.000000	2159.45	183.82
2	FID	ACIS-S-5	7.24	9874	-0.027	0.018	0.006	0.011	0.000000	0.000000	-1806.67	177.63
3	GUIDE	621161224	7.94	19740	0.110	0.011	0.083	0.129	70.234546	-3.517454	2162.03	-1084.90
4	GUIDE	621159736	9.43	19739	0.116	-0.237	0.092	0.150	69.932347	-3.381643	1372.54	-1976.73
5	GUIDE	621153256	9.49	19730	-0.035	0.043	0.098	0.158	70.961959	-2.598298	-218.52	2396.56
6	GUIDE	621151192	9.94	19733	-0.036	0.096	0.108	0.177	70.235475	-2.692308	-673.27	-198.02
7	GUIDE	621157552	9.35	19739	-0.151	0.078	0.107	0.179	70.433855	-2.134390	-2378.72	1080.63

2.4 Star Slots

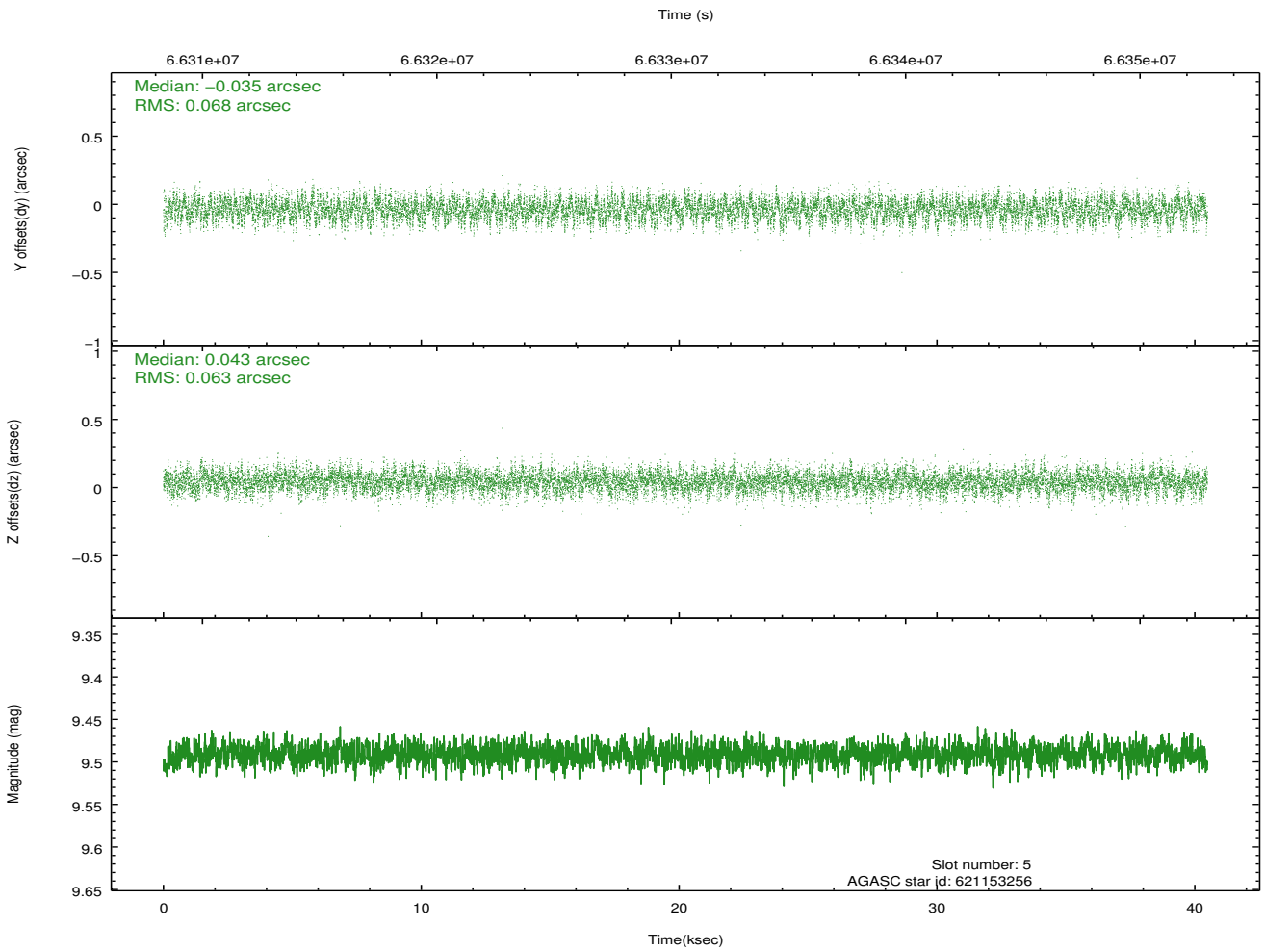
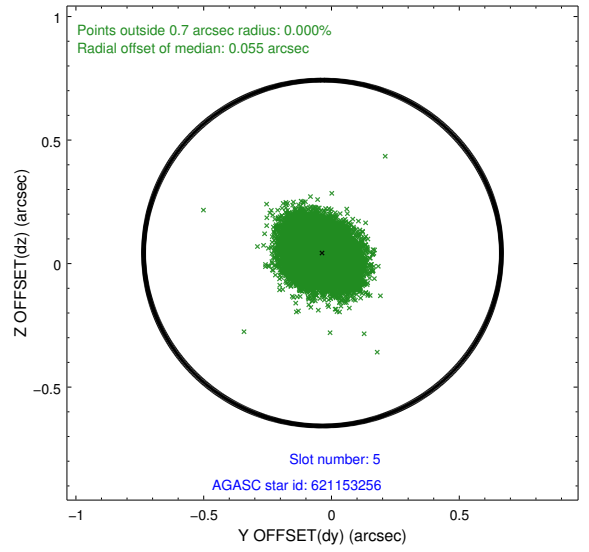
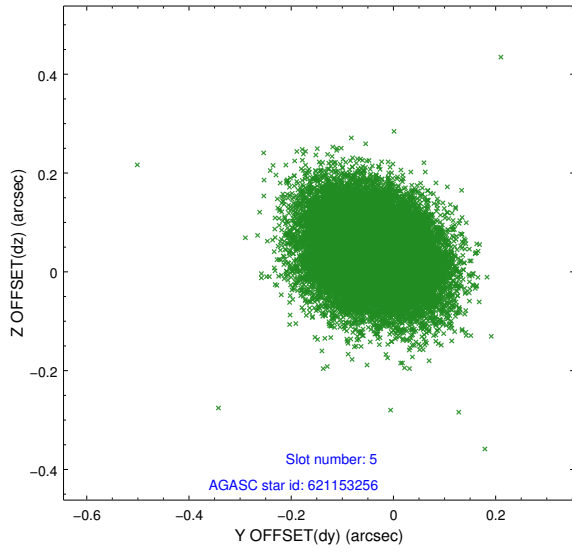
2.4.1 Slot 3



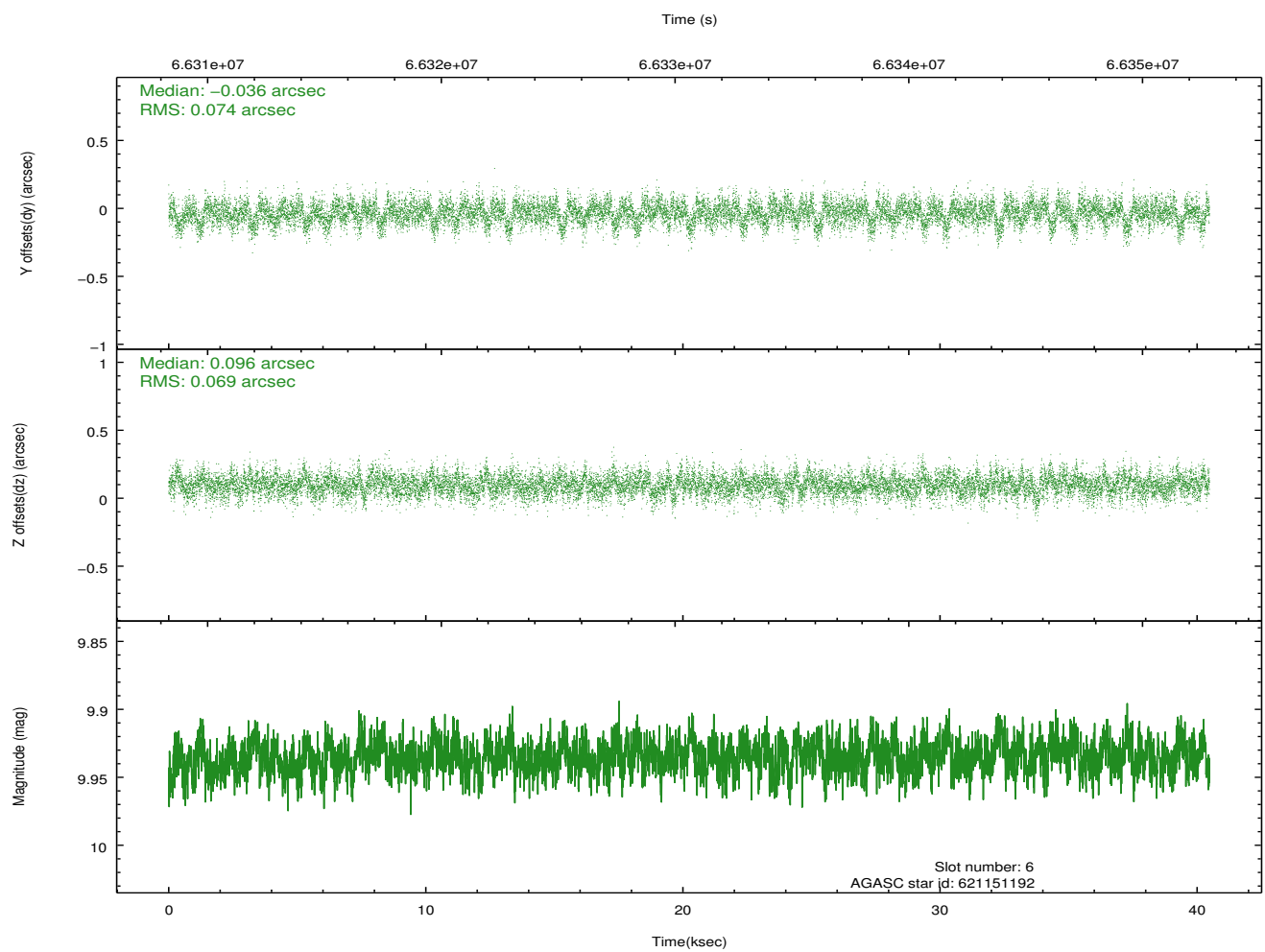
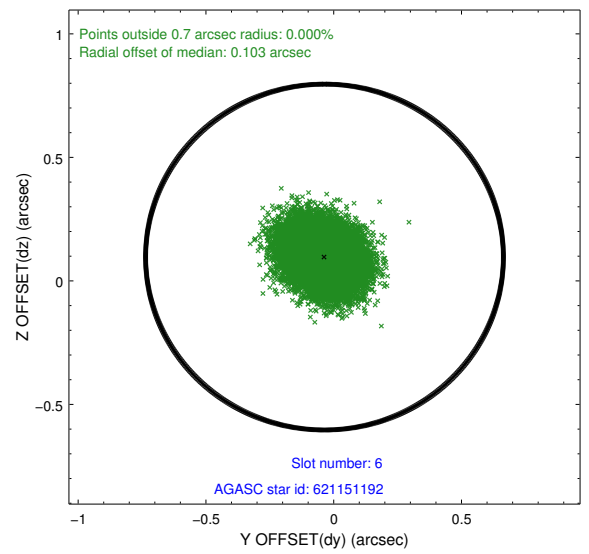
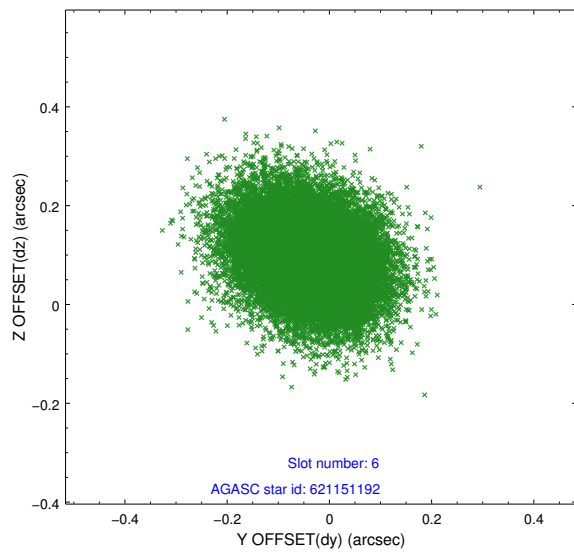
2.4.2 Slot 4



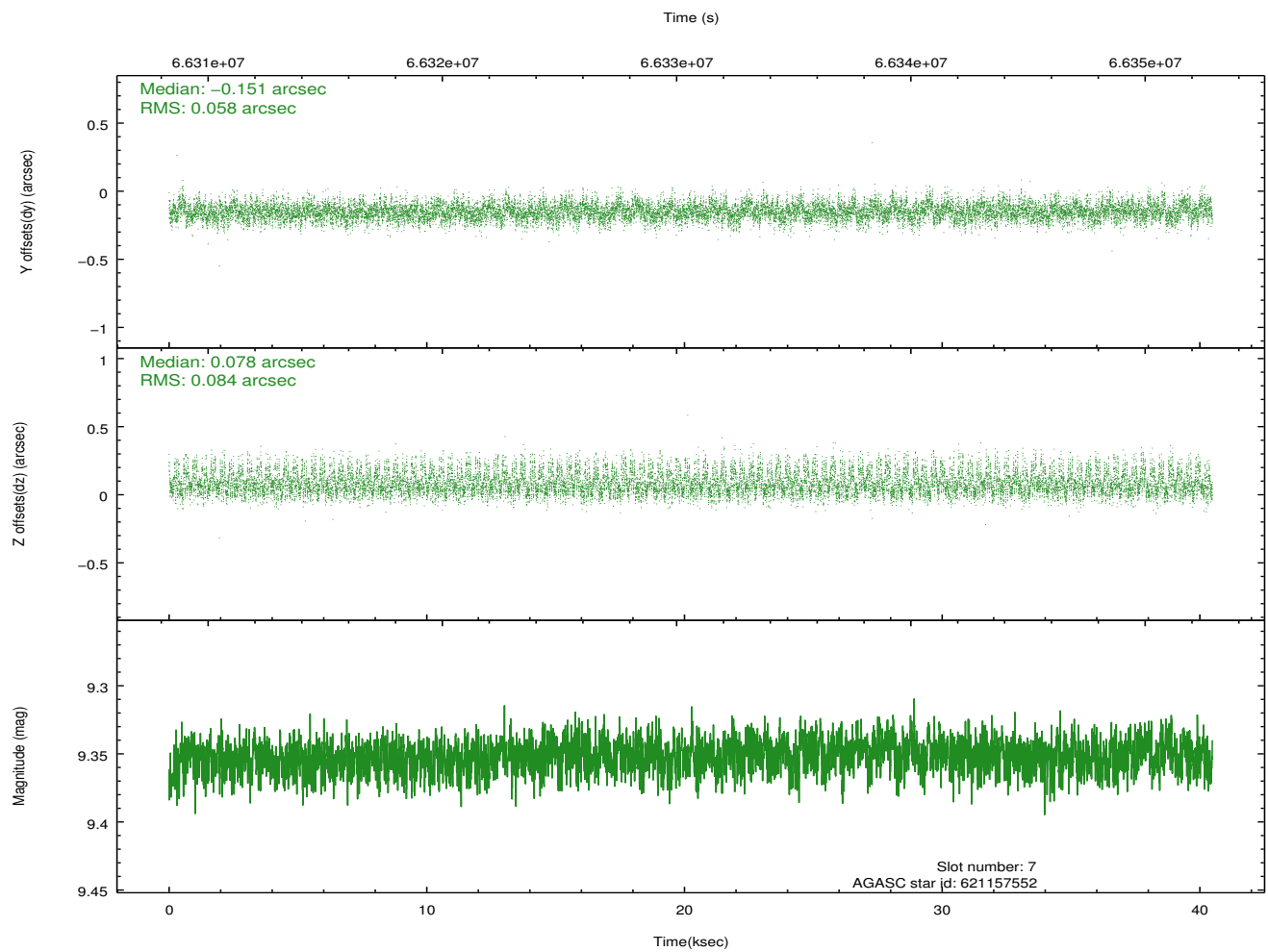
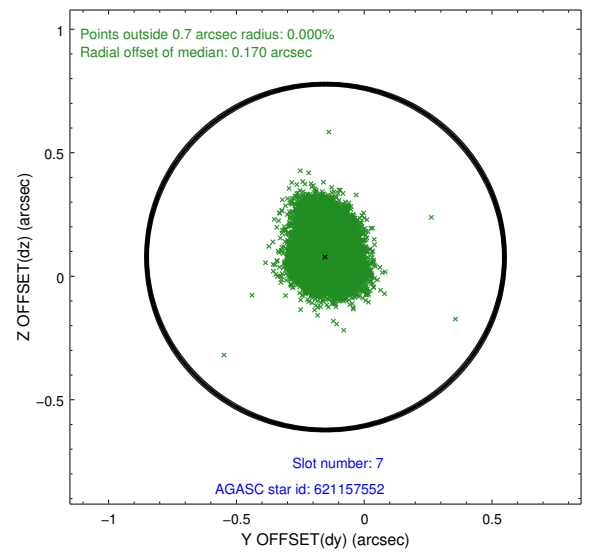
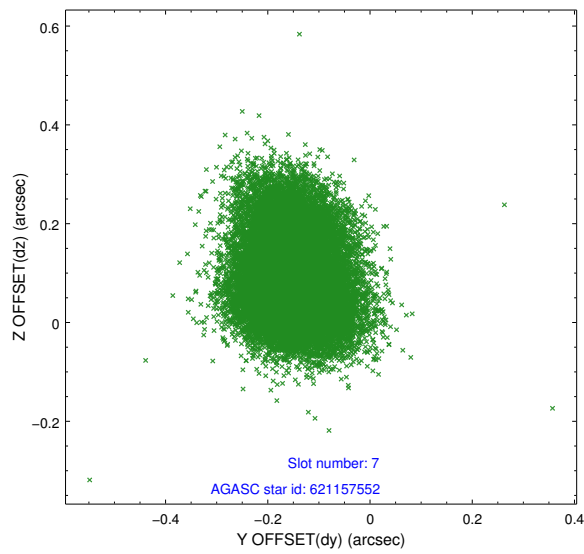
2.4.3 Slot 5



2.4.4 Slot 6

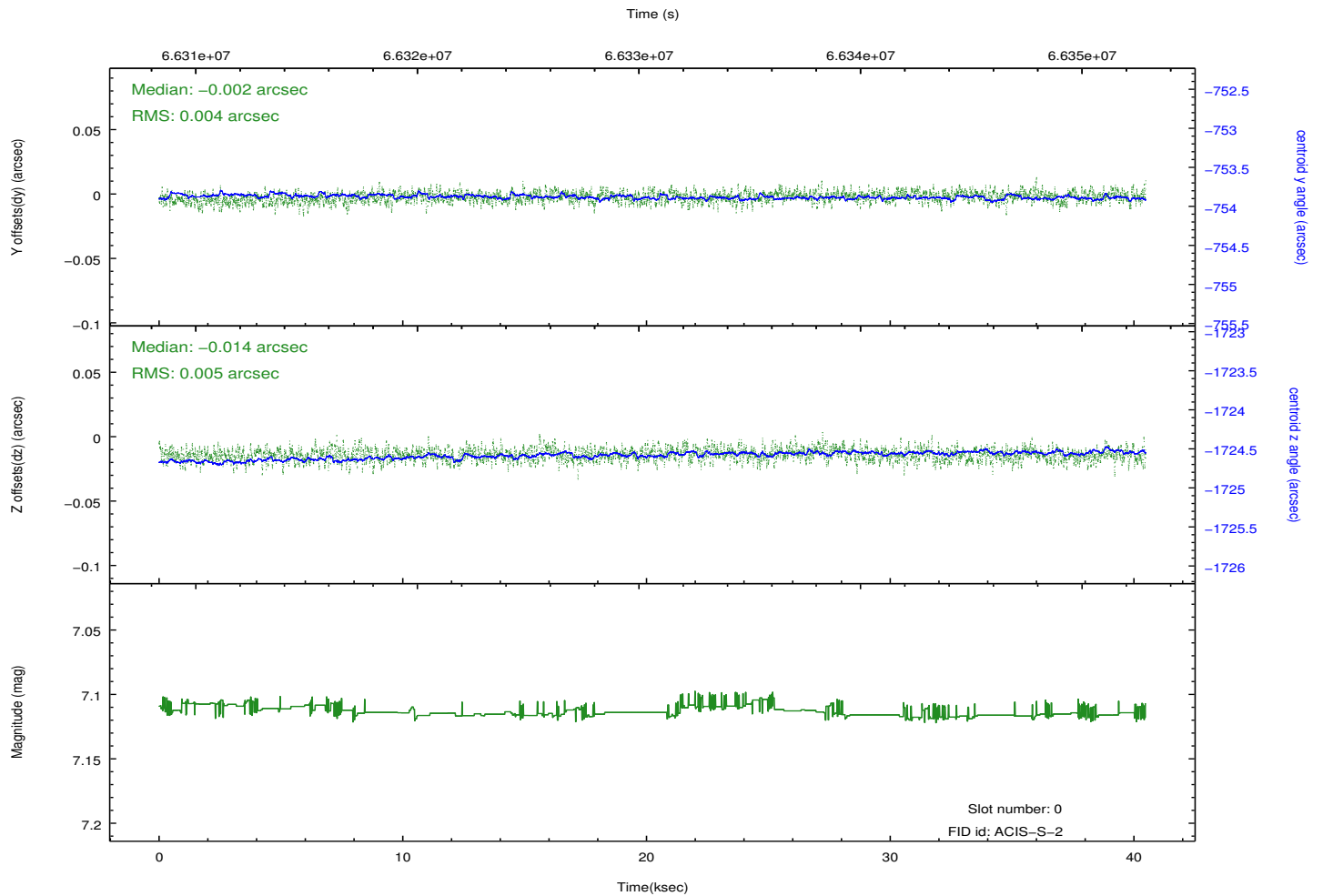
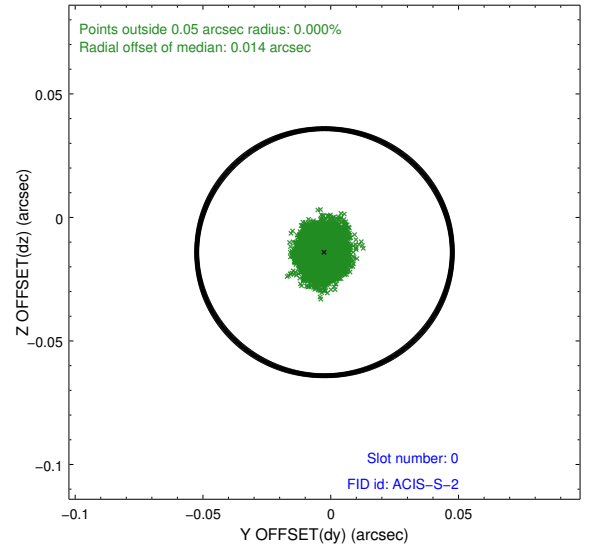
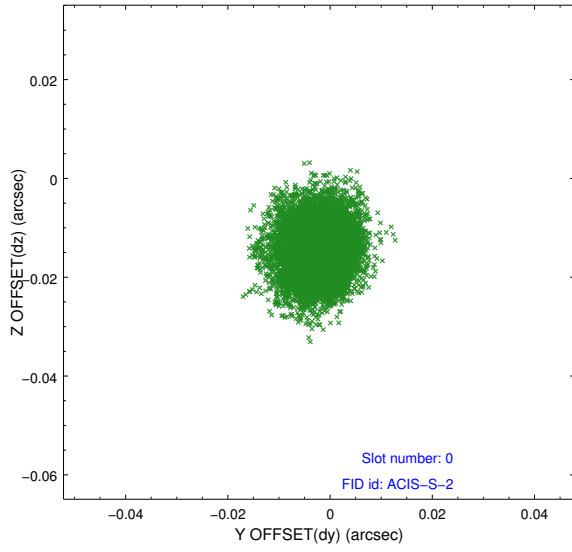


2.4.5 Slot 7

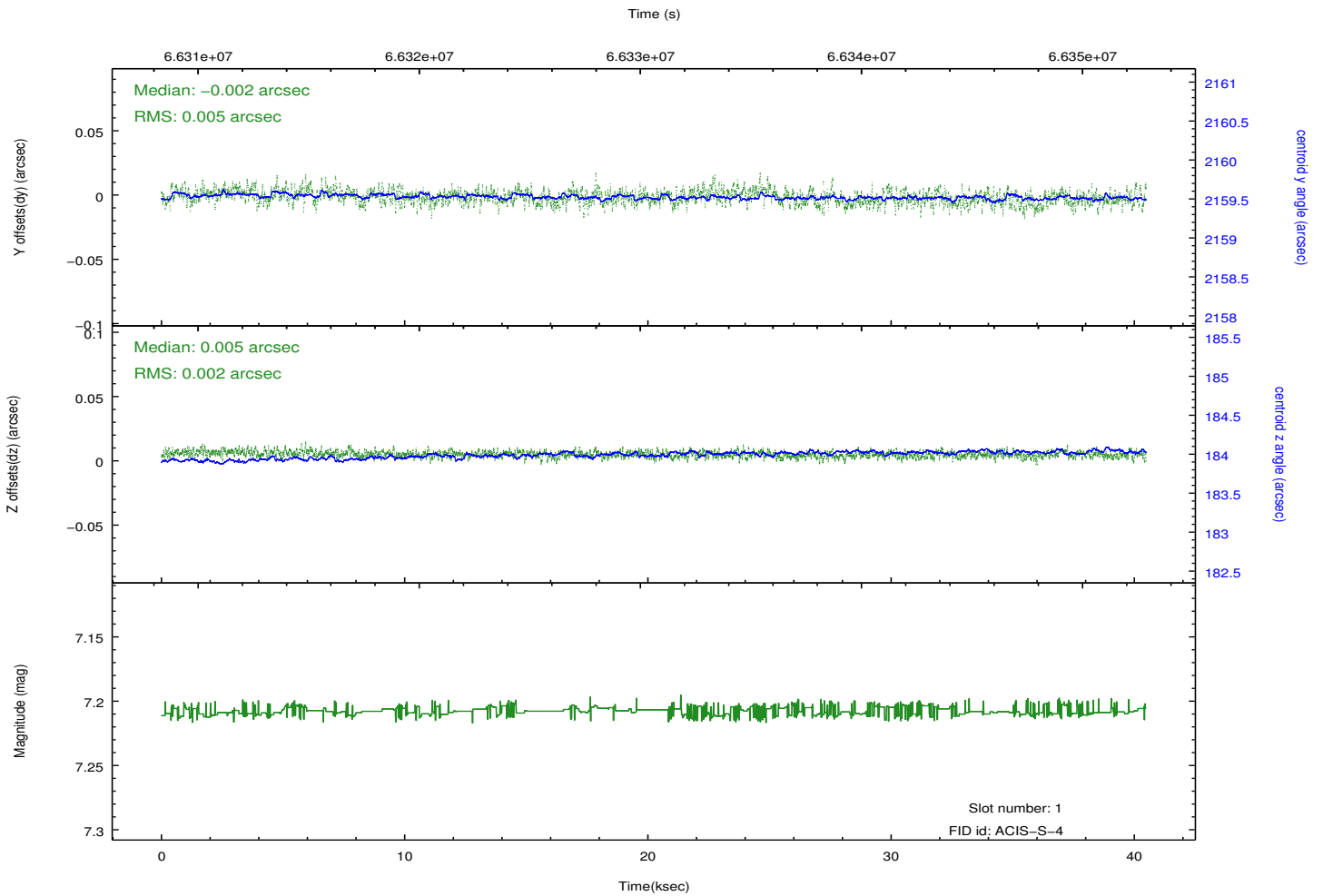
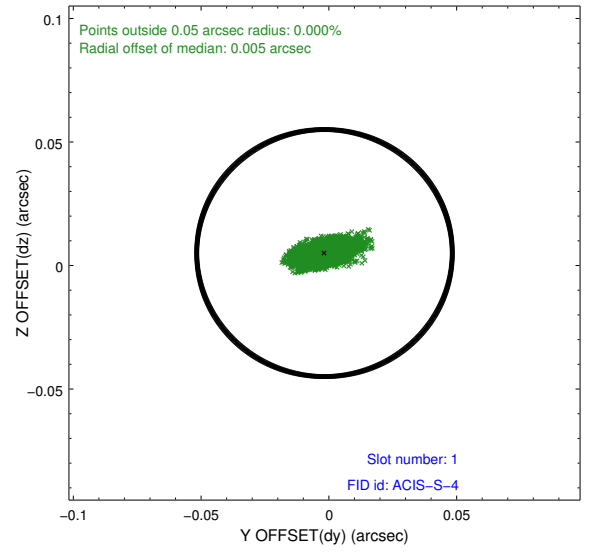
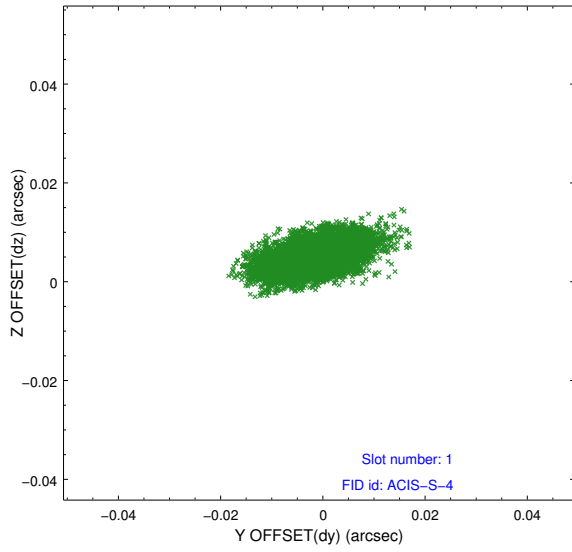


2.5 FID Slots

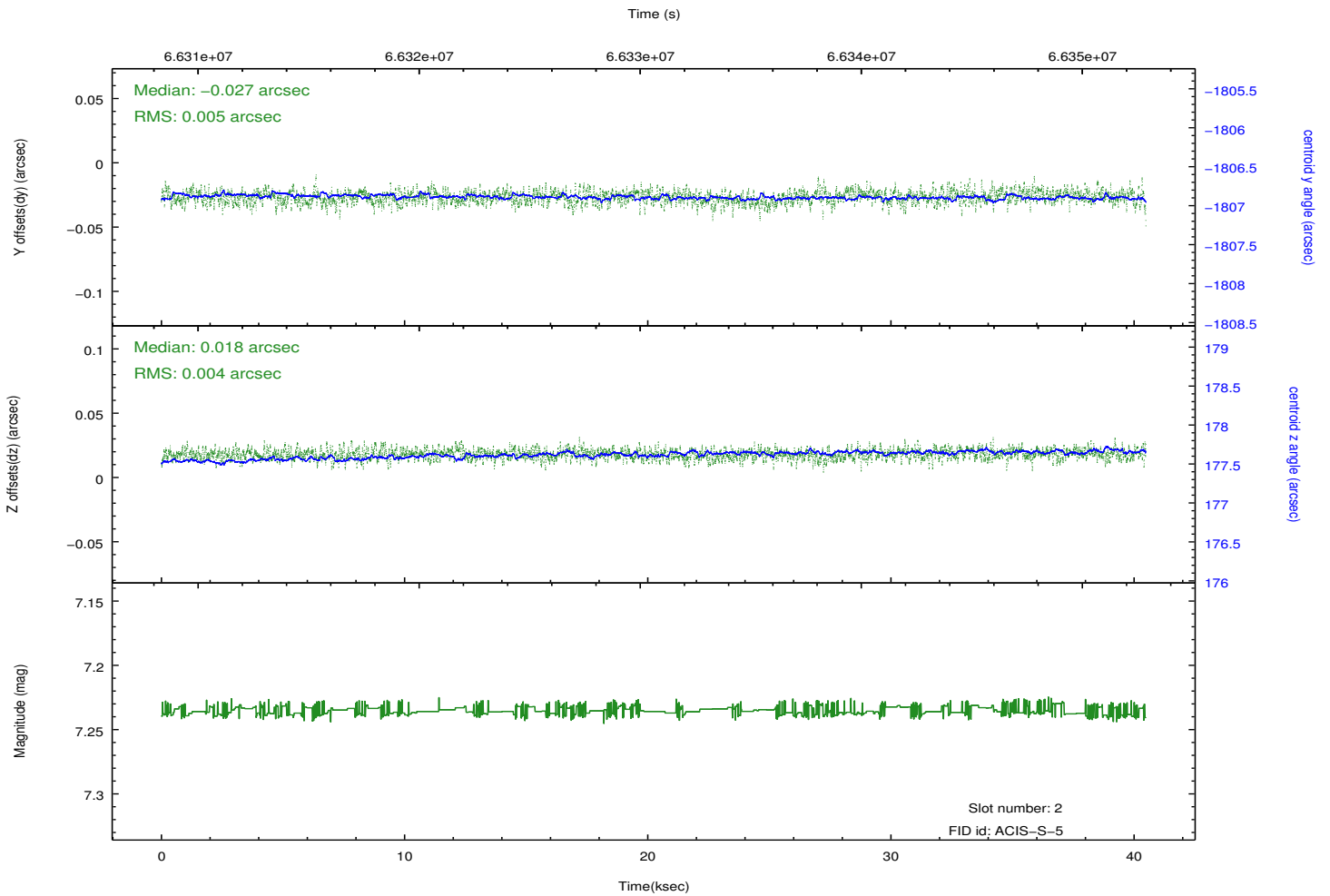
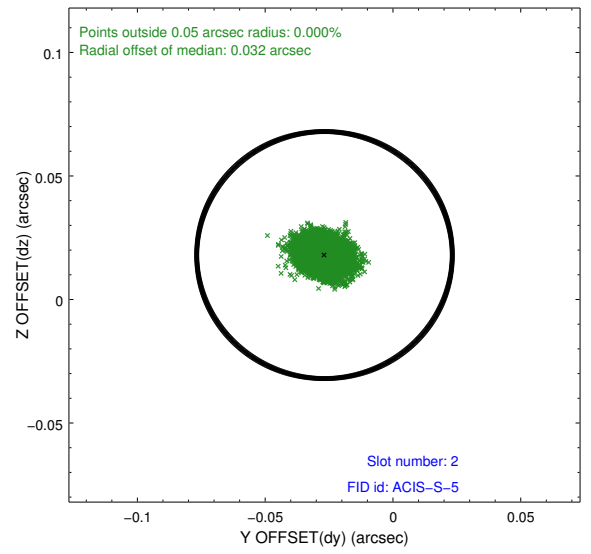
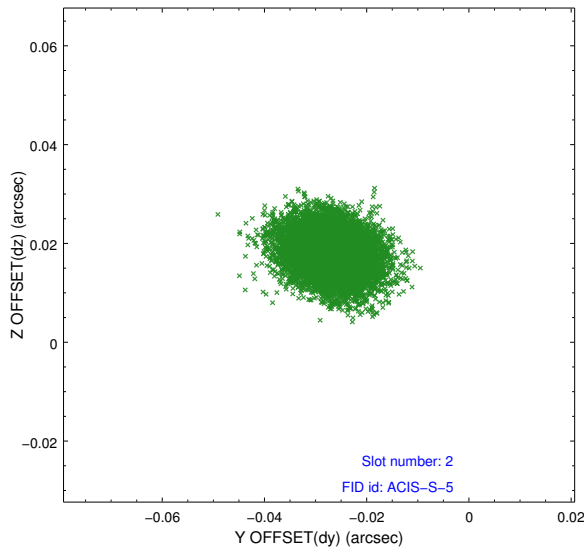
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.944

A.2 Comments

Charge time for this ObsId remains at previous value of 38.944 ks although with the current processing the charge time would have been 39.05 ksec.

=====

Window constraint met. Monitor constraint met.