

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7101 - L2 Version 2
Chandra X-Ray Center

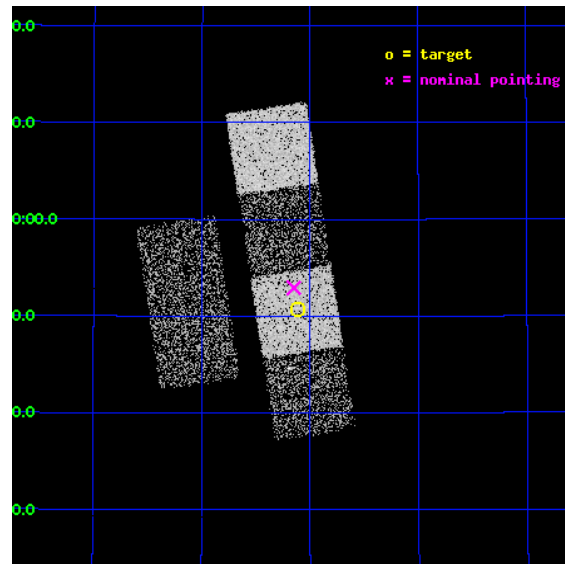
L2 Processing Date : Mar 31 2012

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1 Front

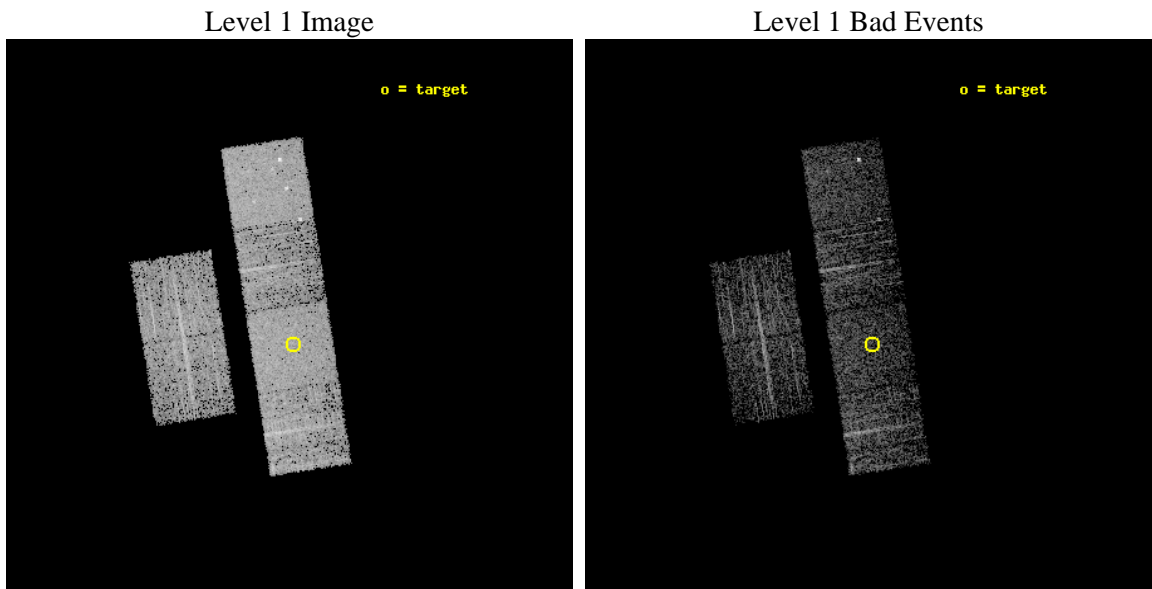
seq_num	600539	Sequence number
obs_id	7101	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 7640	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.5275	Observer's specified target RA [deg]
dec_targ	40.845611	Observer's specified target Dec [deg]
ra_nom	350.53745279247	Nominal RA [deg]
dec_nom	40.882062244331	Nominal Dec [deg]
roll_nom	81.195300287841	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1951.9999927282	Sum of GTIs [s]
livetime	1927.282593467	Livetime [s]
ontime2	1951.9999927282	Sum of GTIs [s]
ontime3	1951.9999927282	Sum of GTIs [s]
ontime5	1951.9999927282	Sum of GTIs [s]
ontime6	1951.9999927282	Sum of GTIs [s]
ontime7	1951.9999927282	Sum of GTIs [s]
ontime8	1951.9999927282	Sum of GTIs [s]
l2events	28099	Number of level 2 events



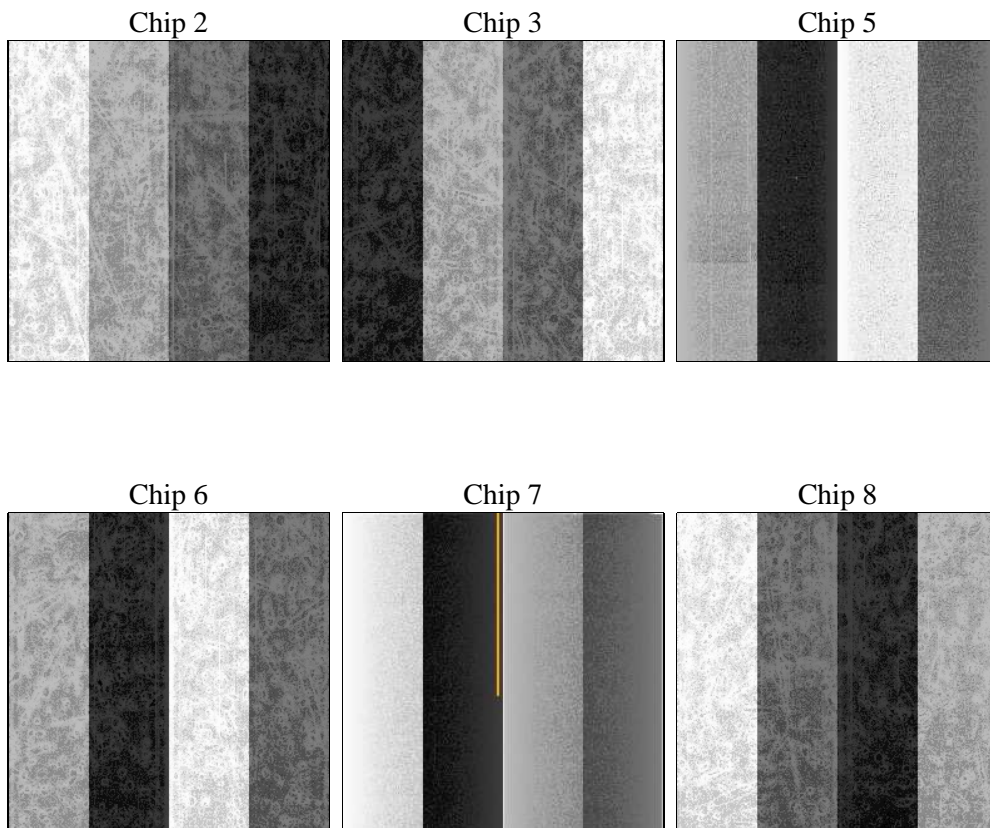
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1951.9999927282	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	1951.9999927282	Sum of GTIs [s]
date	2012-03-31T12:11:51	Date and time of file creation	ontime3	1951.9999927282	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1951.9999927282	Sum of GTIs [s]
			ontime6	1951.9999927282	Sum of GTIs [s]
			ontime7	1951.9999927282	Sum of GTIs [s]
			ontime8	1951.9999927282	Sum of GTIs [s]
			l1events	123734	Number of level 1 events

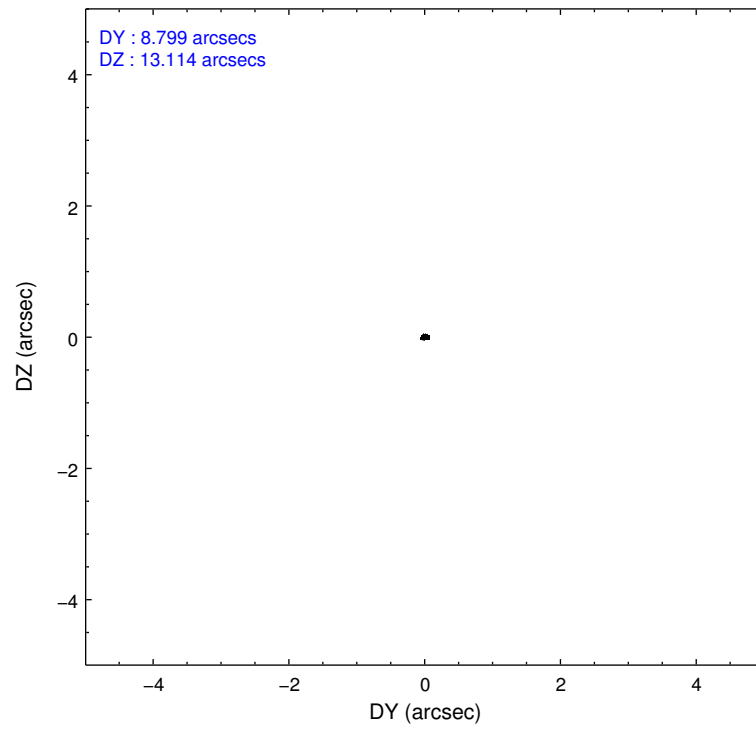
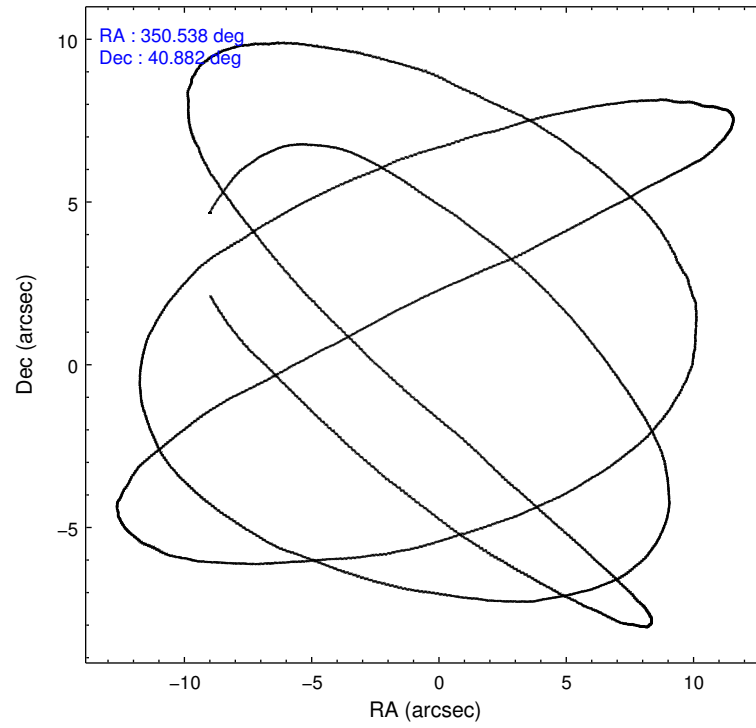
2.1.4 Events

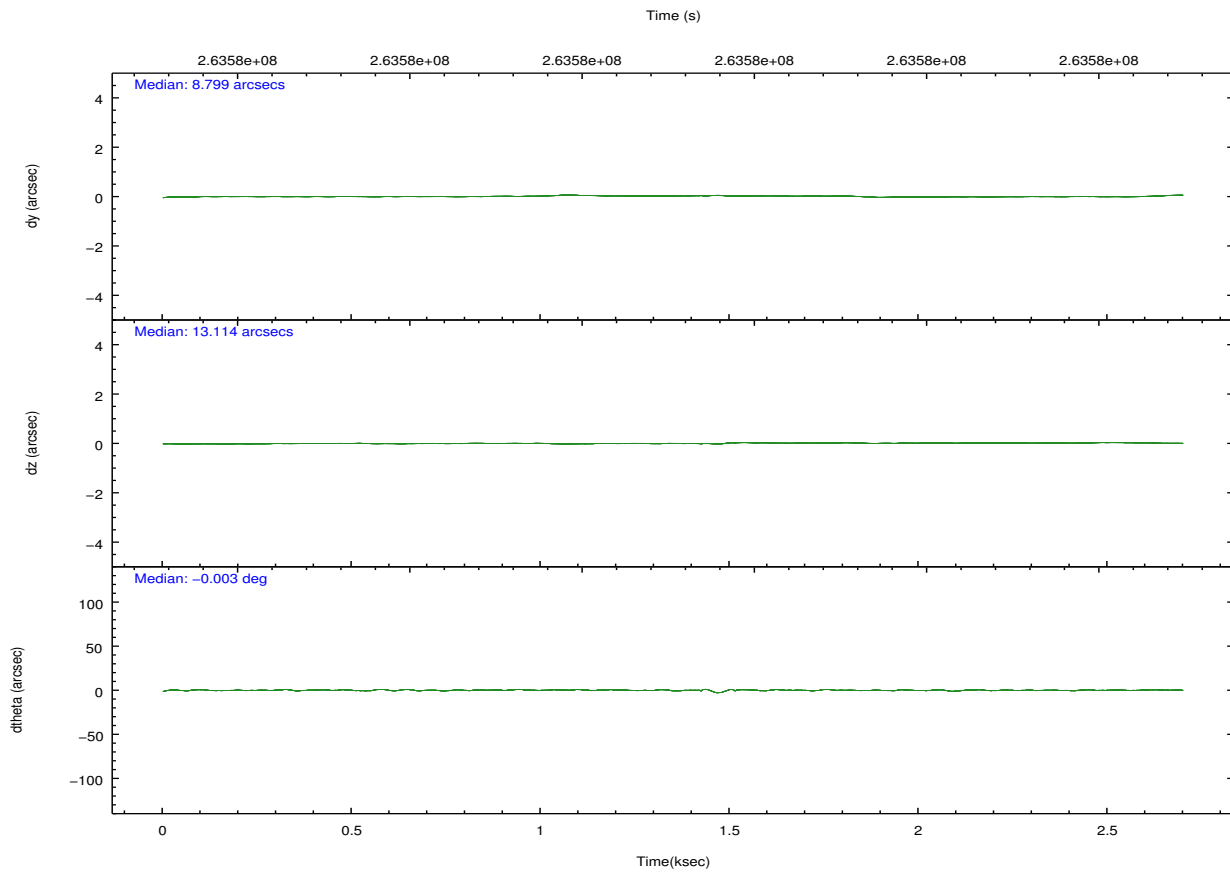
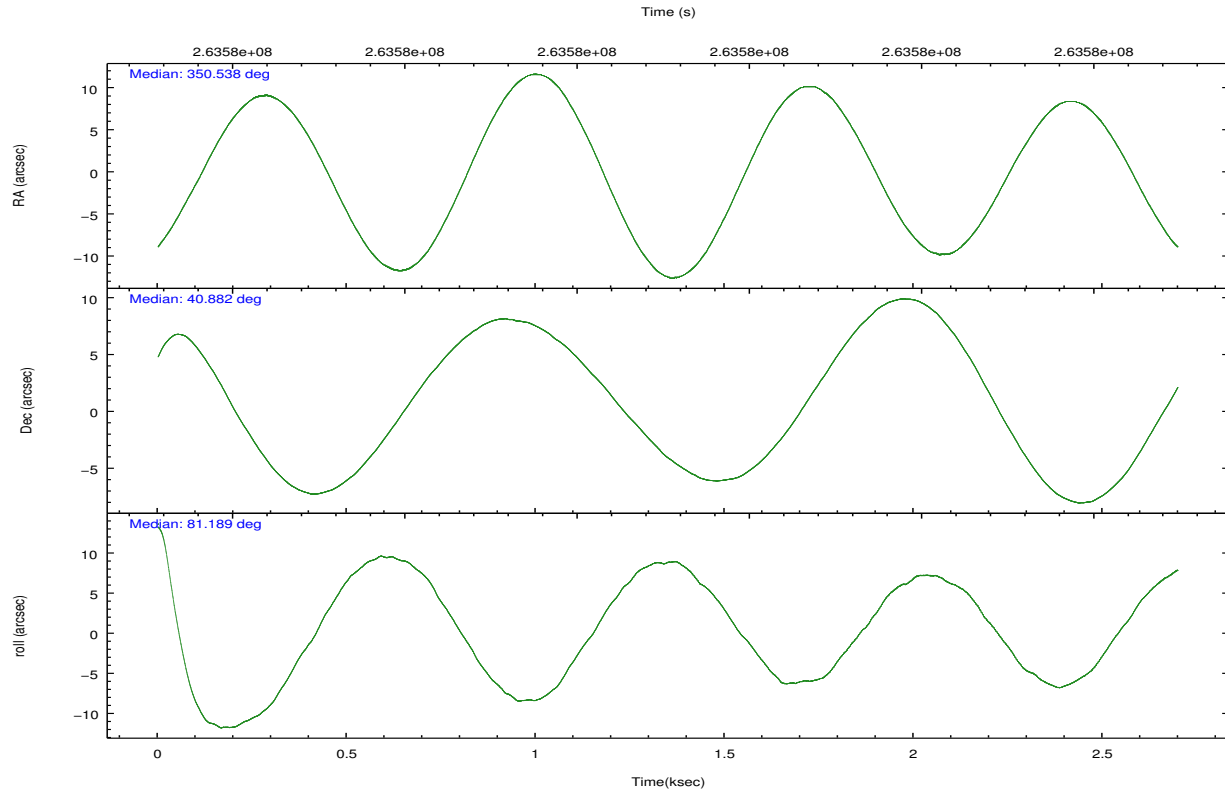
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18311	15836	26910	16897	23675	22105	grade 0 events	952	893	1383	781	831	1530
rejected events	16202	13761	14637	14875	13803	17321		5%	5%	5%	4%	3%	6%
rejected %	88%	86%	54%	88%	58%	78%	grade 1 events	11	5	97	8	24	19
								0%	0%	0%	0%	0%	0%
							grade 2 events	462	427	3726	467	1986	1108
								2%	2%	13%	2%	8%	5%
							grade 3 events	200	213	472	194	878	514
								1%	1%	1%	1%	3%	2%
							grade 4 events	187	204	456	168	855	457
								1%	1%	1%	0%	3%	2%
							grade 5 events	647	792	1970	778	2177	1070
								3%	5%	7%	4%	9%	4%
							grade 6 events	313	341	6283	422	5335	1192
								1%	2%	23%	2%	22%	5%
							grade 7 events	15539	12961	12523	14079	11589	16215
								84%	81%	46%	83%	48%	73%

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	350.550836	350.5374527924661	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.856998	40.88206224433065	Alternating exposures requested	N	N
[deg] Pointing Roll	81.029868	81.19530028784064	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	263581614.184000	263580394.35792			
Observation start date	2006-05-09T17:05:49	2006-05-09T16:46:34			
[s] Observation end time (MET)	263583614.184000	263584575.33311			
Observation end date	2006-05-09T17:39:09	2006-05-09T17:56:15			
Read mode	TIMED	TIMED			

2.3 Aspect



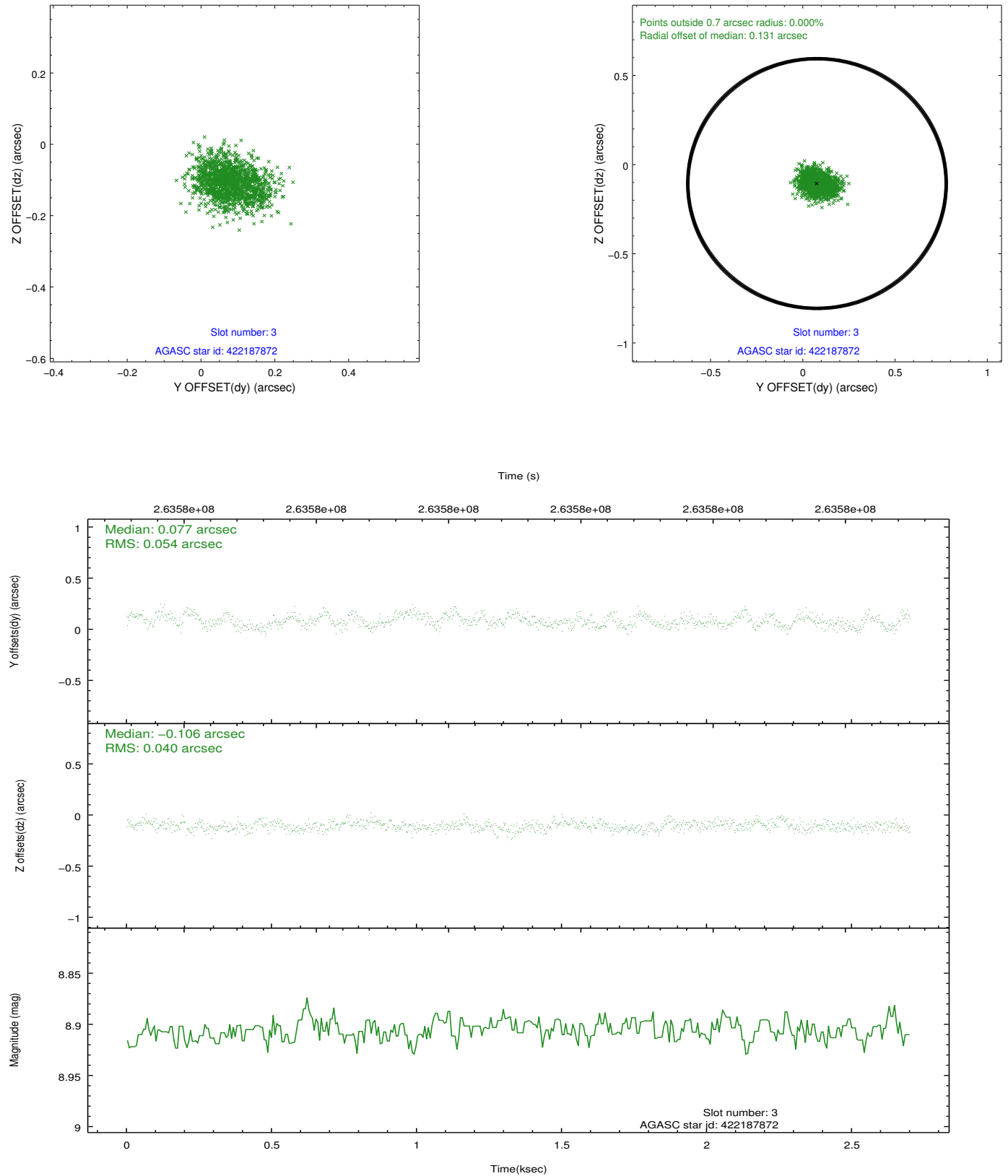


Slot Statistics

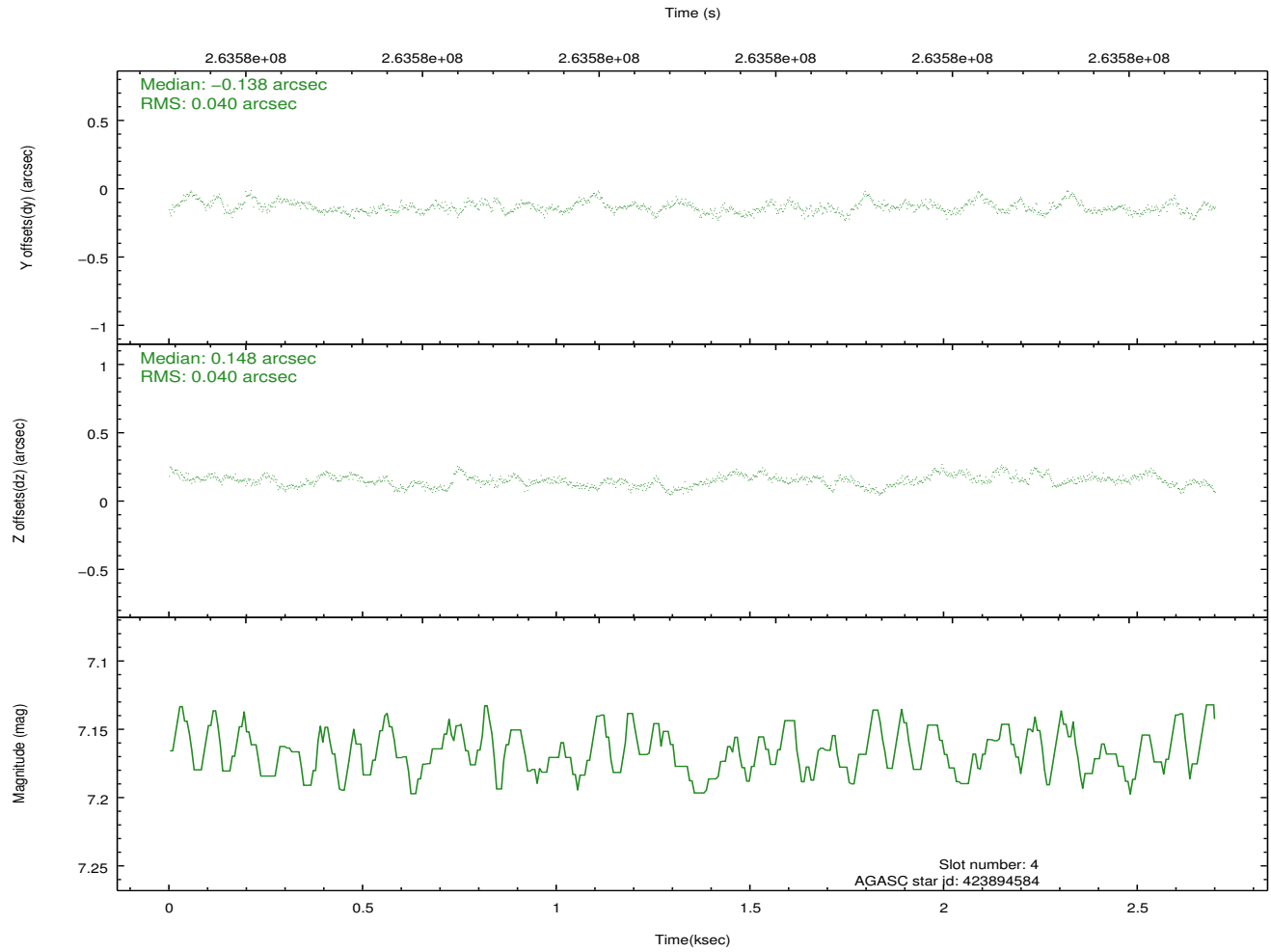
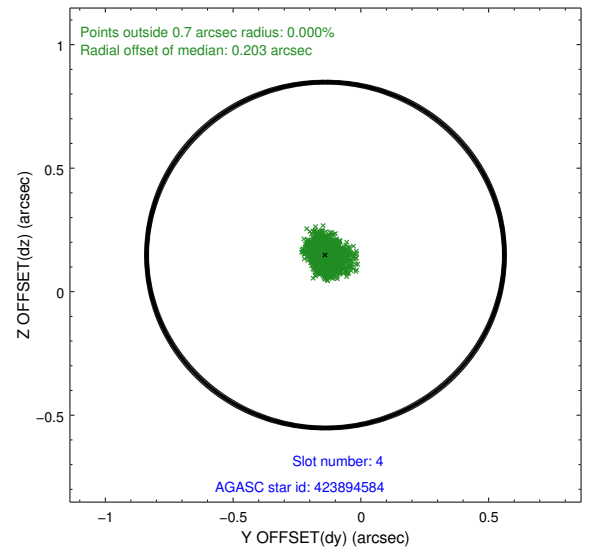
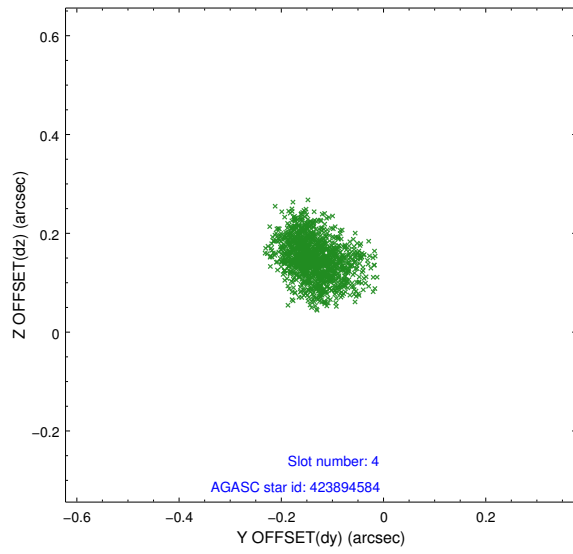
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	659	-0.005	-0.043	0.006	0.010	0.000000	0.000000	-761.63	-1734.43
1	FID	ACIS-S-4	7.20	659	0.112	0.014	0.006	0.010	0.000000	0.000000	2150.70	171.61
2	FID	ACIS-S-5	7.23	659	-0.138	0.038	0.007	0.011	0.000000	0.000000	-1811.52	168.06
3	GUIDE	422187872	8.91	1315	0.077	-0.106	0.073	0.114	349.714085	40.437799	-1836.53	2030.95
4	GUIDE	423894584	7.17	1318	-0.138	0.148	0.062	0.095	351.145454	41.112911	1166.51	-1446.16
5	GUIDE	423896472	9.13	1316	-0.140	0.188	0.085	0.136	351.188117	41.231580	1609.14	-1493.22
6	GUIDE	423899872	9.05	1318	0.207	-0.131	0.090	0.147	350.017631	40.306760	-2178.27	1136.87
7	GUIDE	424419040	8.59	1317	-0.016	-0.096	0.074	0.117	350.576307	41.312585	1629.78	189.33

2.4 Star Slots

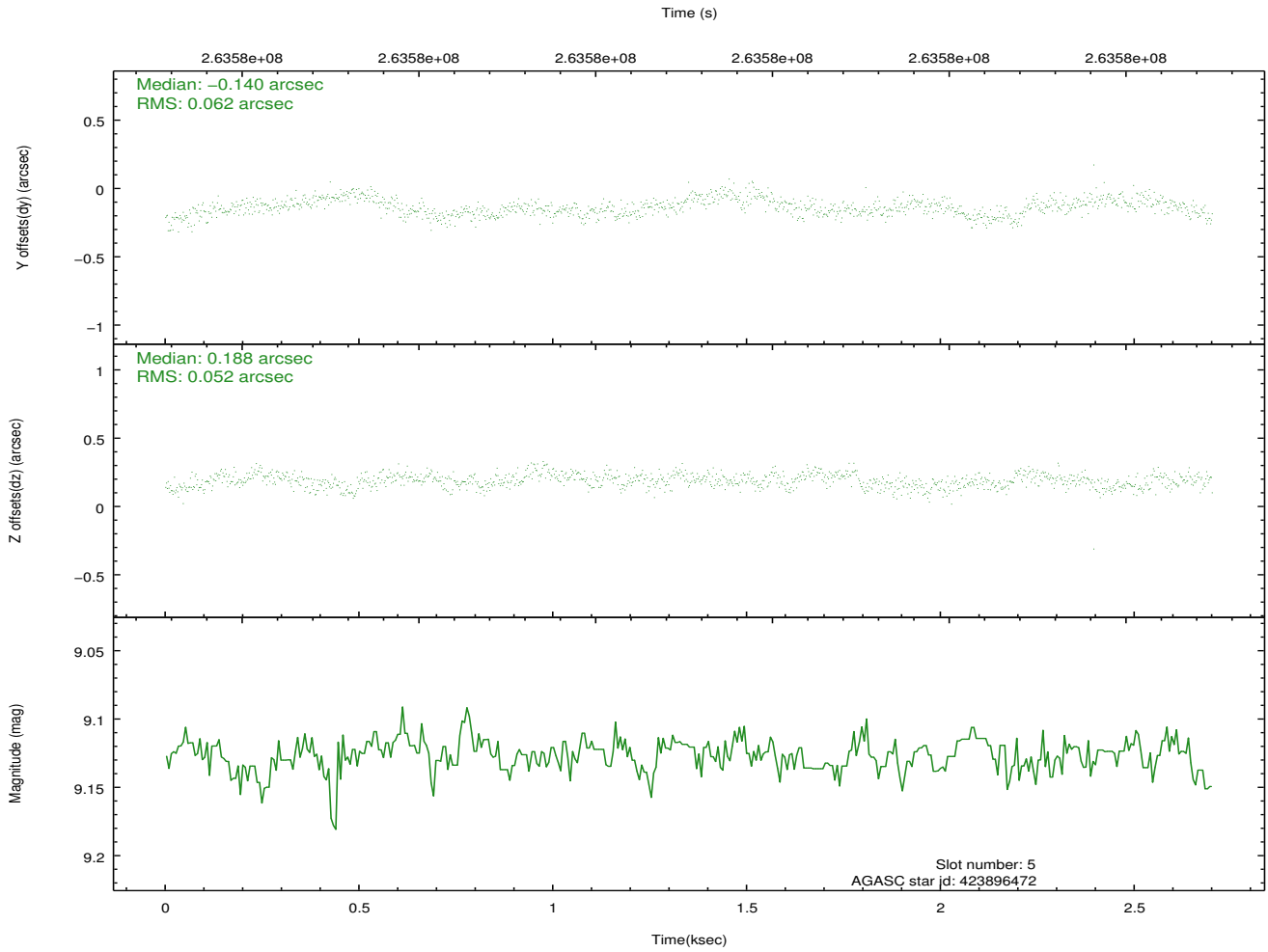
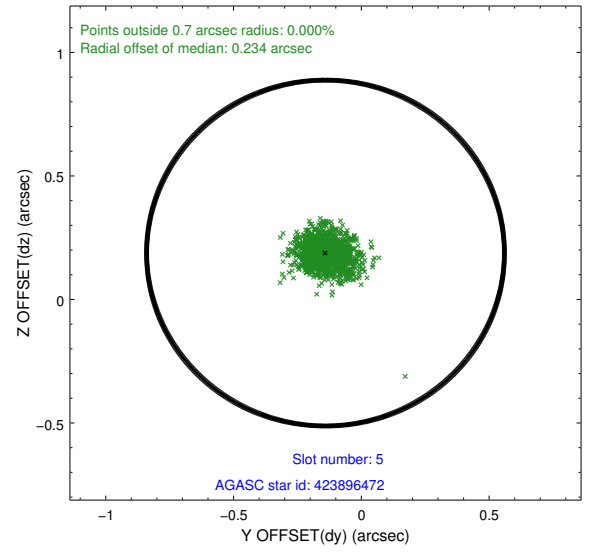
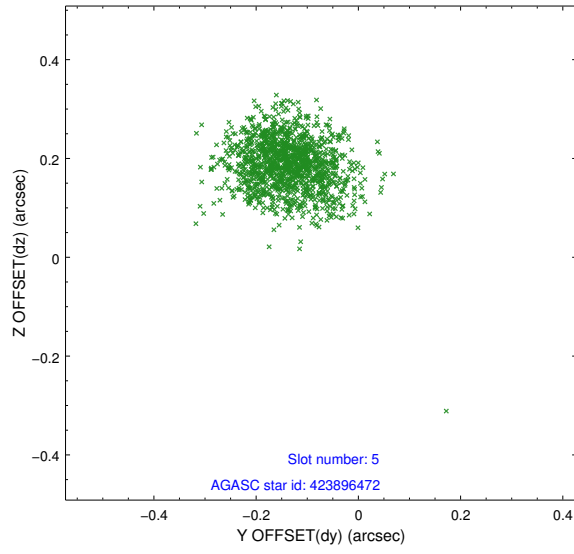
2.4.1 Slot 3



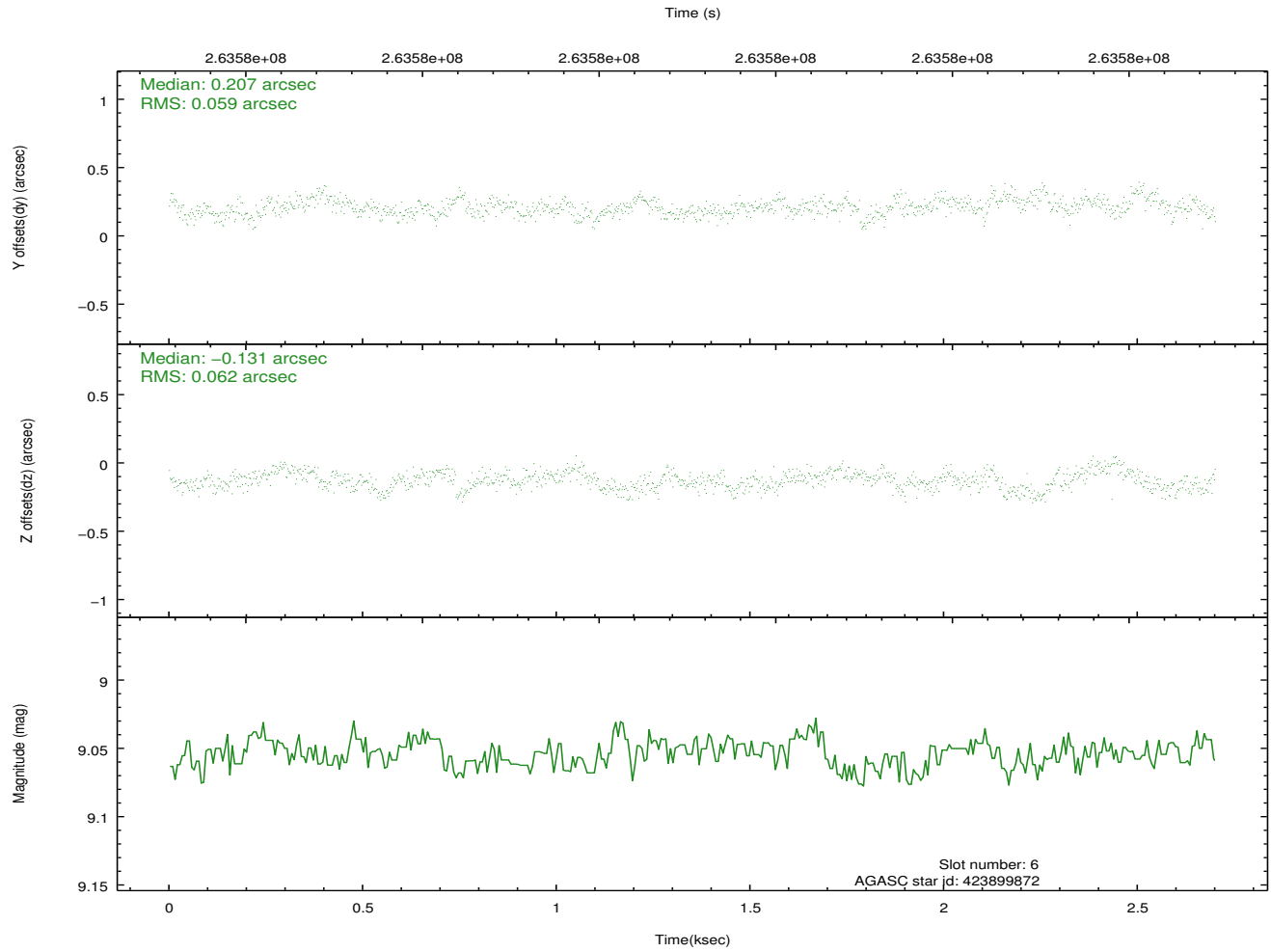
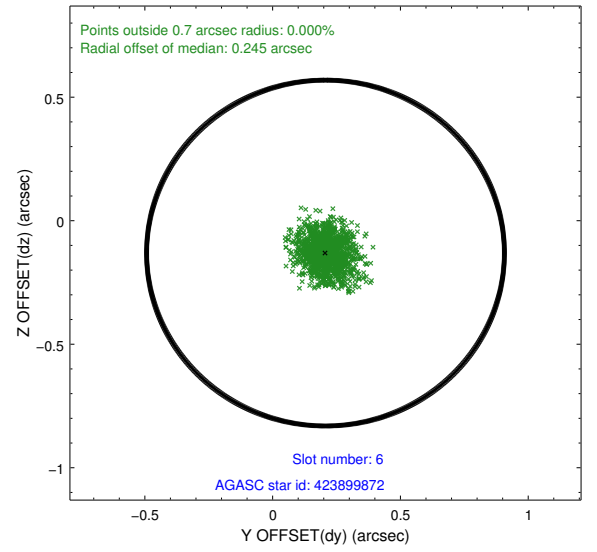
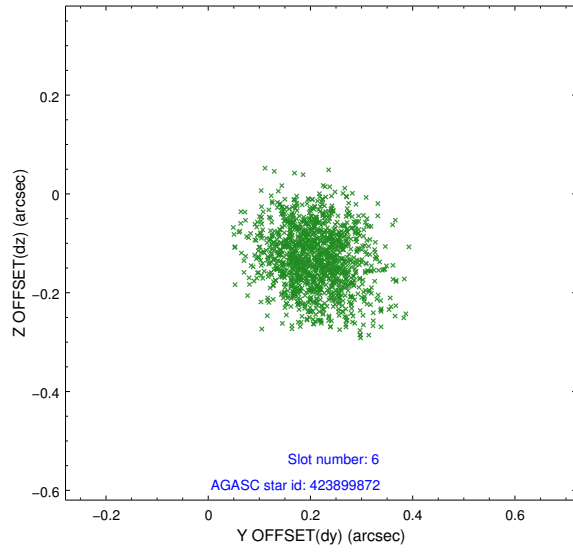
2.4.2 Slot 4



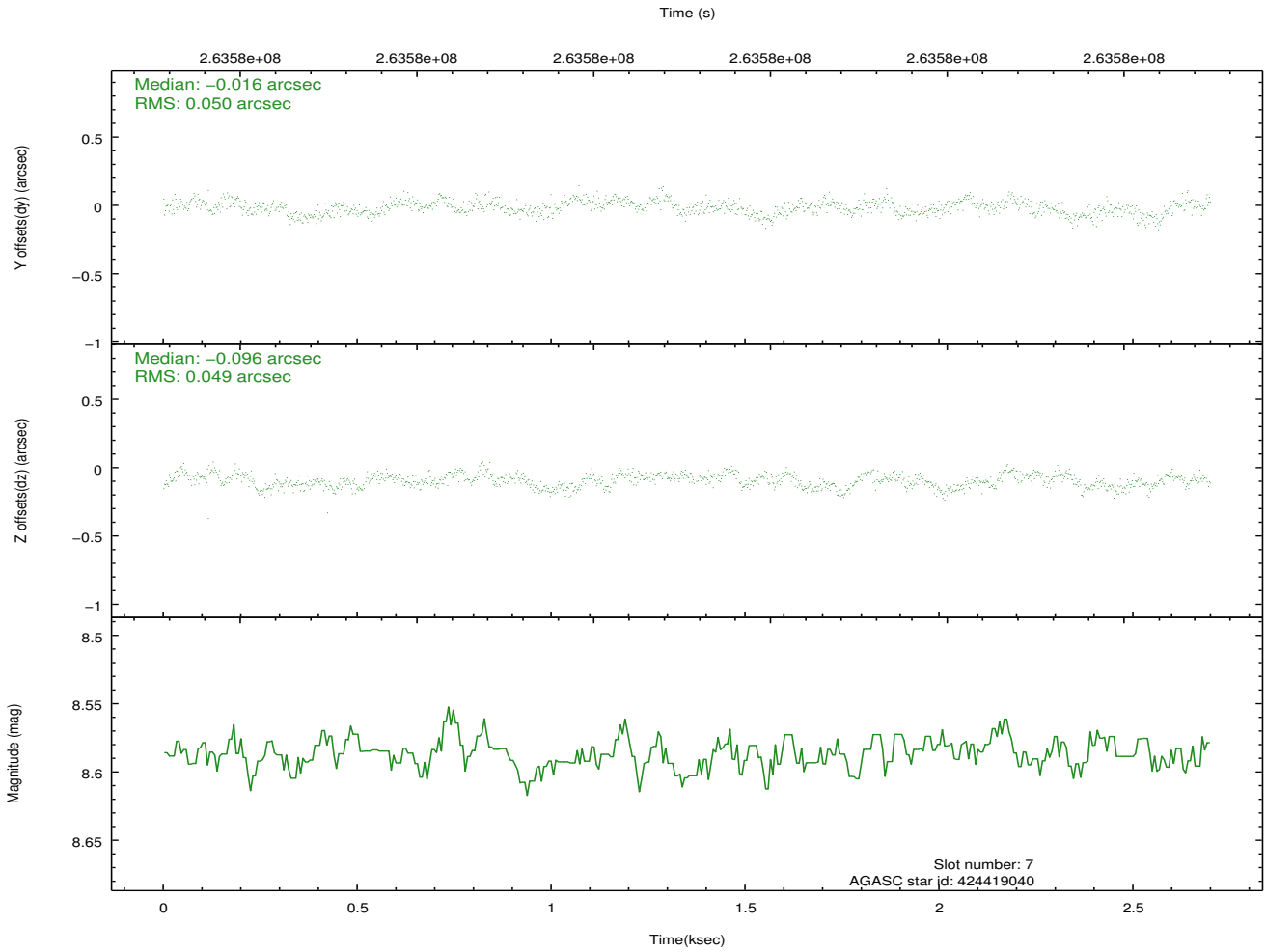
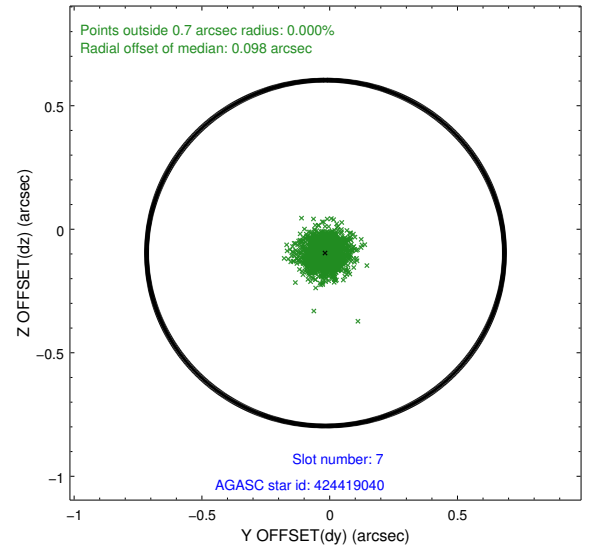
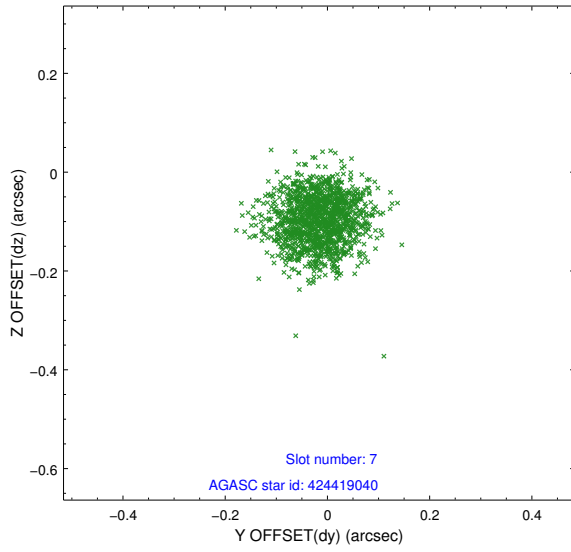
2.4.3 Slot 5



2.4.4 Slot 6

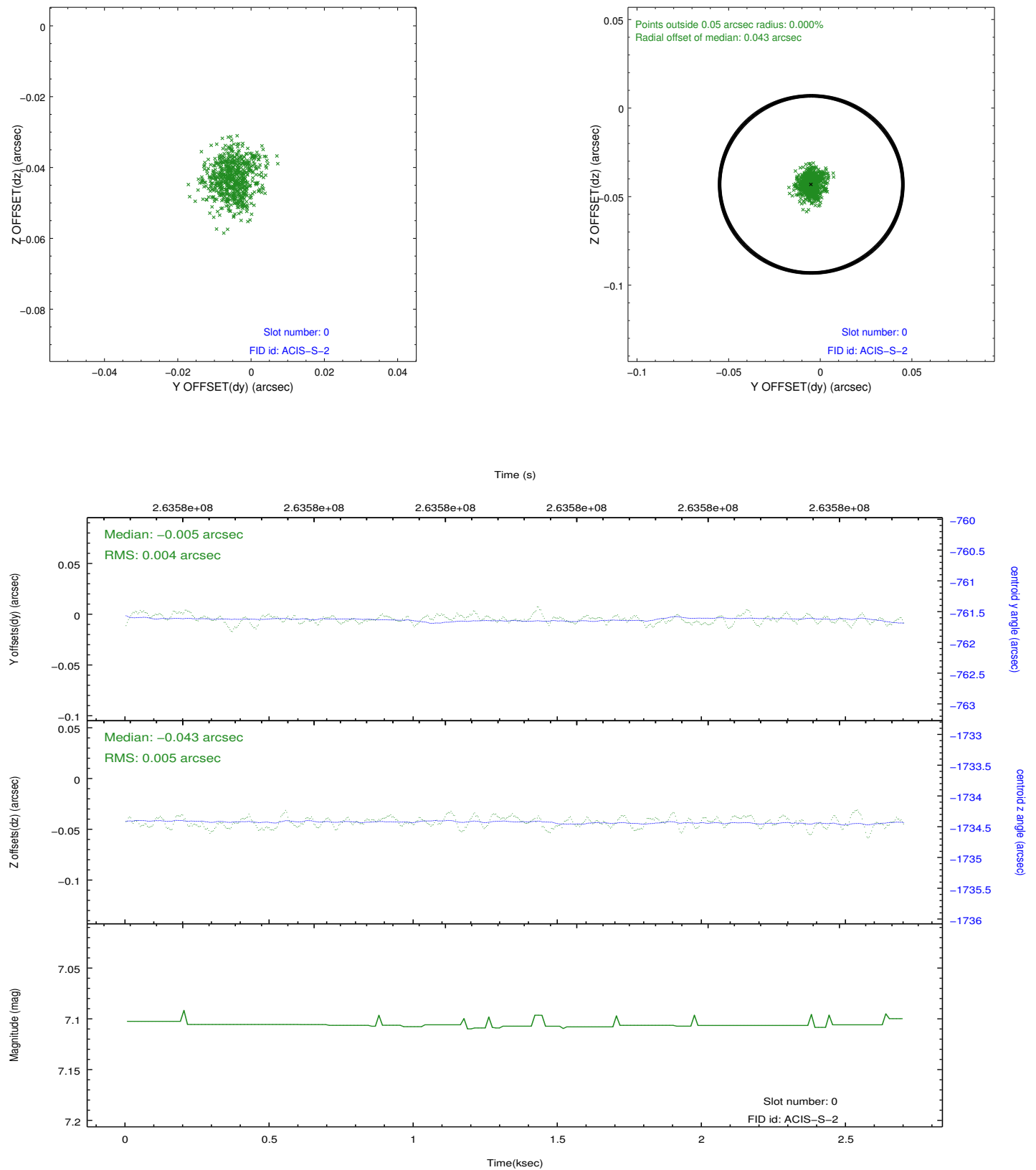


2.4.5 Slot 7

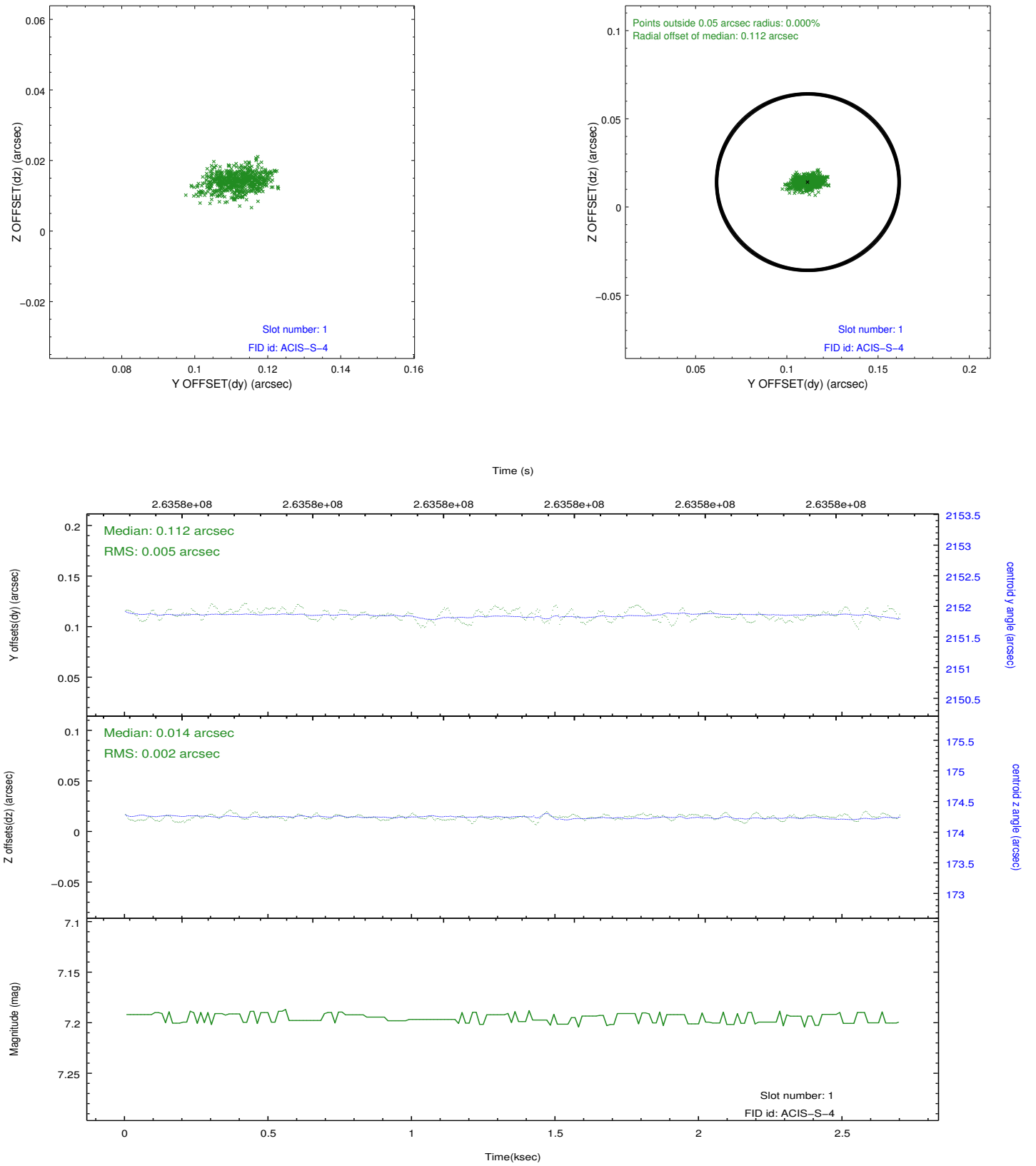


2.5 FID Slots

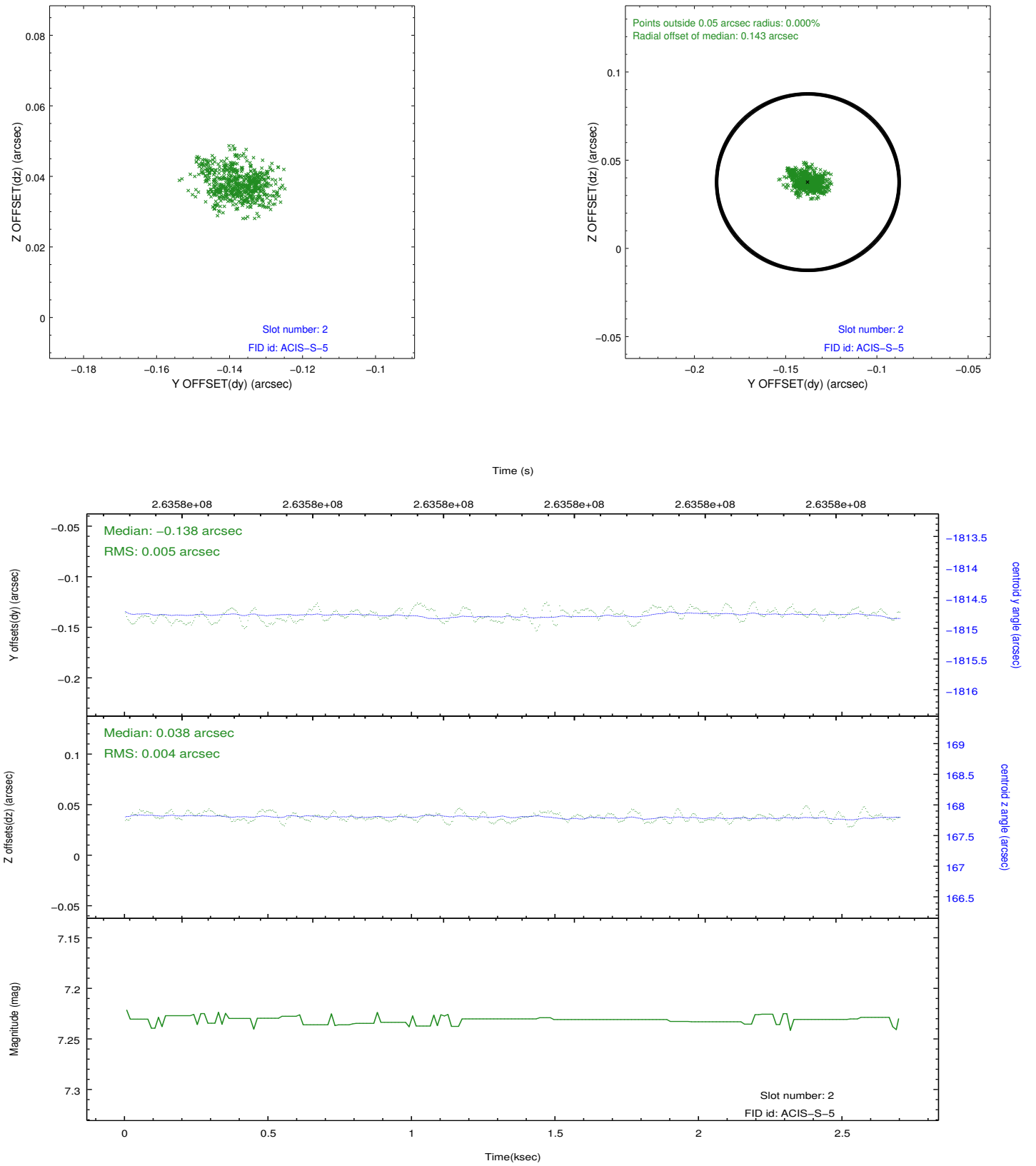
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.95199999

A.2 Comments