

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7130 - L2 Version 2
Chandra X-Ray Center

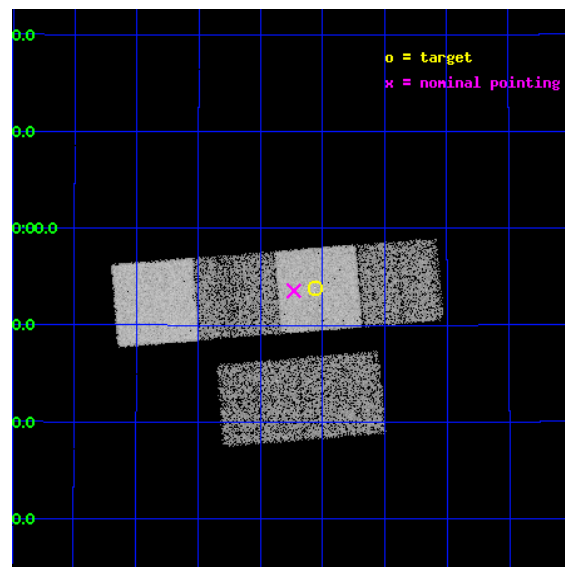
L2 Processing Date : Mar 24 2012

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1 Front

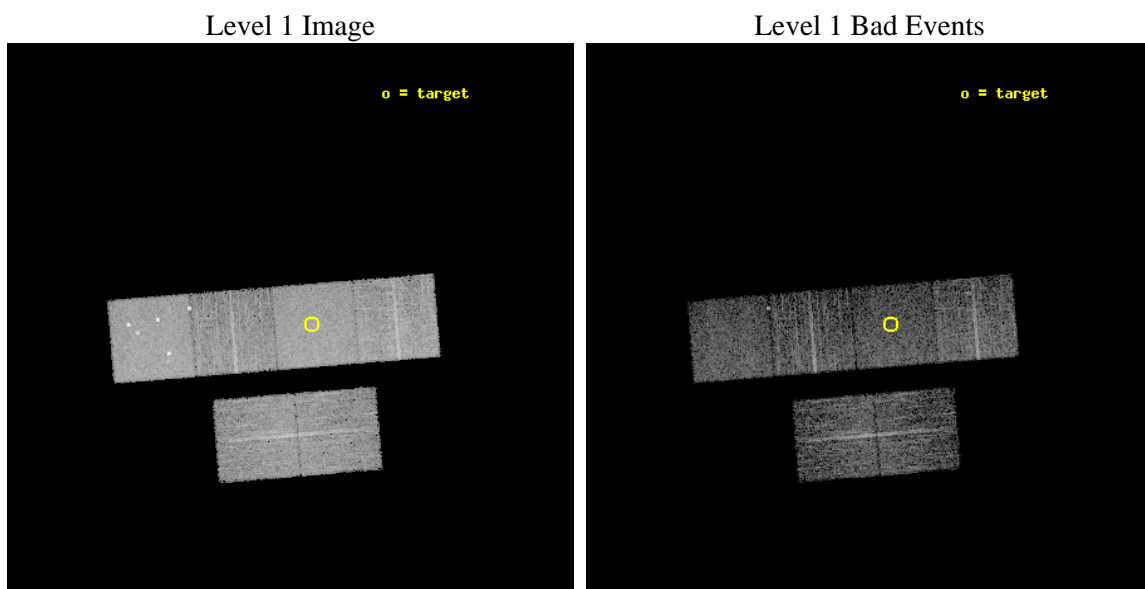
seq_num	600568	Sequence number
obs_id	7130	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 7013	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	315.89	Observer's specified target RA [deg]
dec_targ	29.8975	Observer's specified target Dec [deg]
ra_nom	315.93276544075	Nominal RA [deg]
dec_nom	29.892675627483	Nominal Dec [deg]
roll_nom	355.30420389503	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4433.9778417349	Sum of GTIs [s]
livetime	4377.8321444819	Livetime [s]
ontime2	4434.0188817382	Sum of GTIs [s]
ontime3	4433.854721725	Sum of GTIs [s]
ontime5	4433.9368017316	Sum of GTIs [s]
ontime6	4433.8957617283	Sum of GTIs [s]
ontime7	4433.9778417349	Sum of GTIs [s]
ontime8	4430.5726218224	Sum of GTIs [s]
l2events	73987	Number of level 2 events



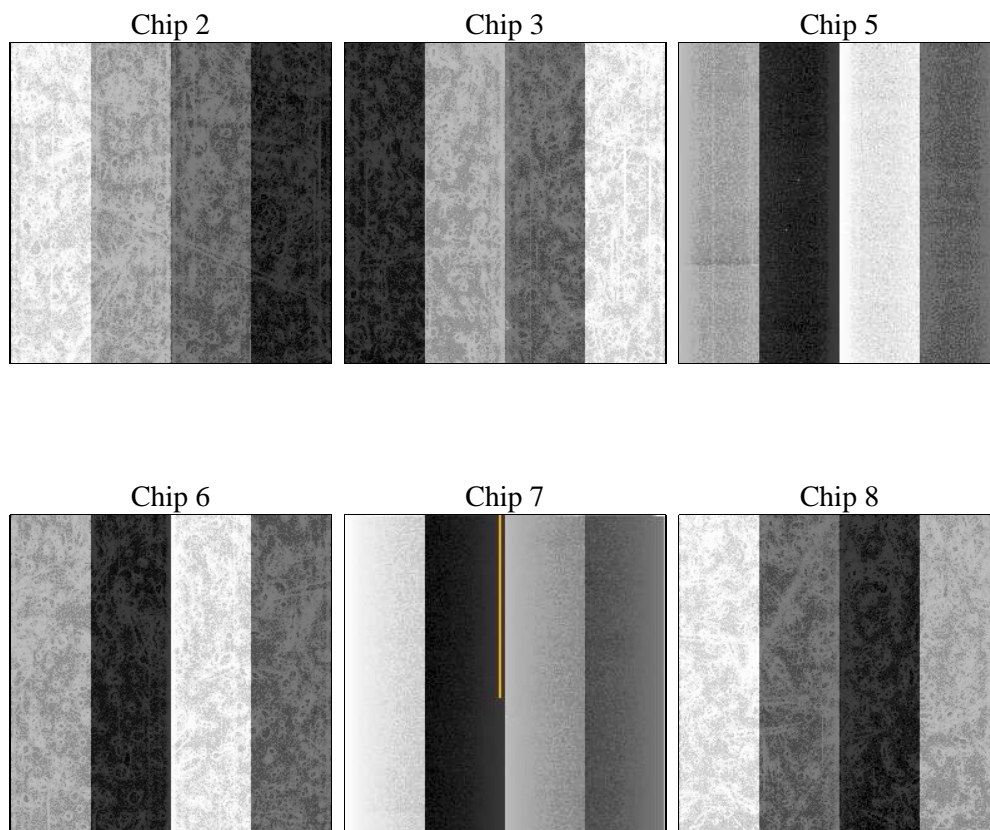
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4679.431000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4433.9778417349	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	4434.0188817382	Sum of GTIs [s]
date	2012-03-24T06:06:36	Date and time of file creation	ontime3	4433.854721725	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4433.9368017316	Sum of GTIs [s]
			ontime6	4433.8957617283	Sum of GTIs [s]
			ontime7	4433.9778417349	Sum of GTIs [s]
			ontime8	4430.5726218224	Sum of GTIs [s]
			l1events	288989	Number of level 1 events

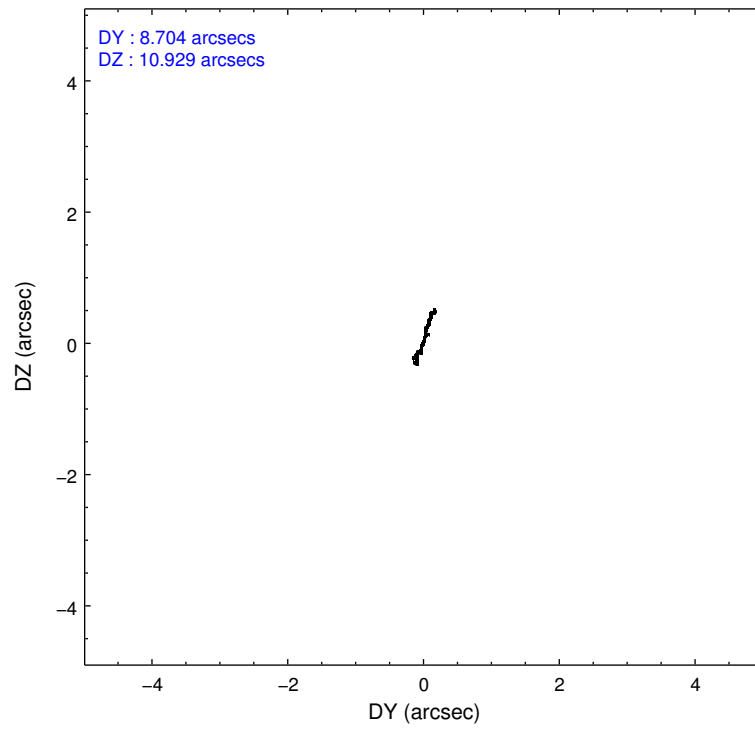
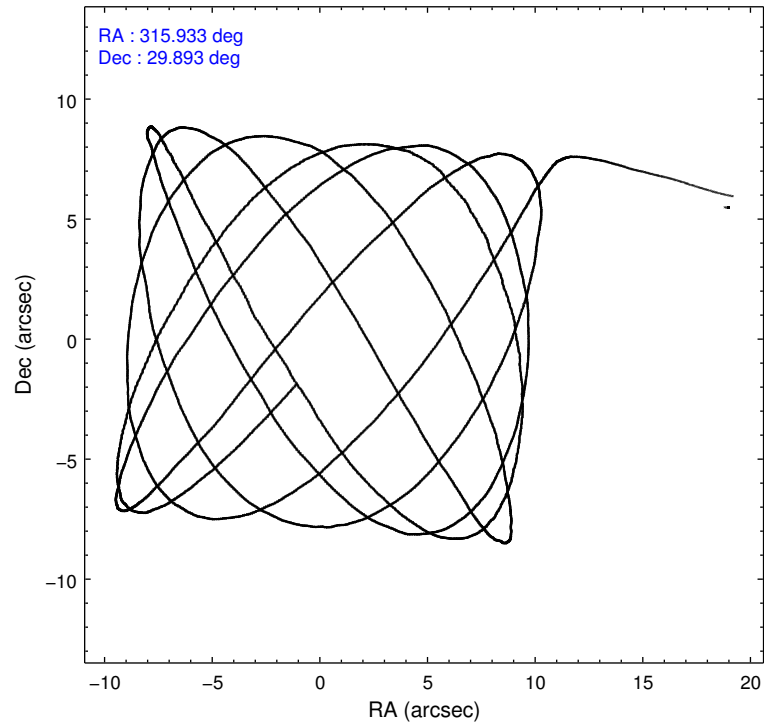
2.1.4 Events

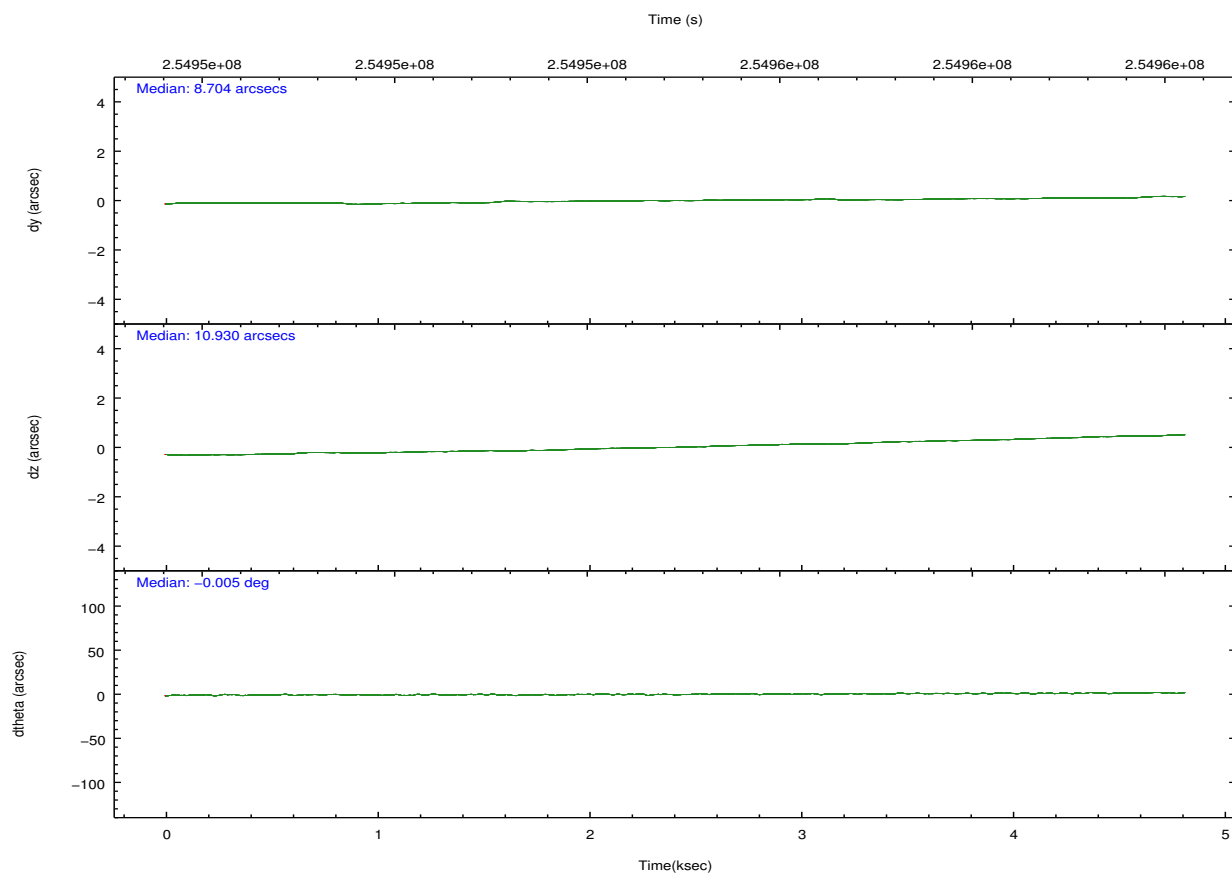
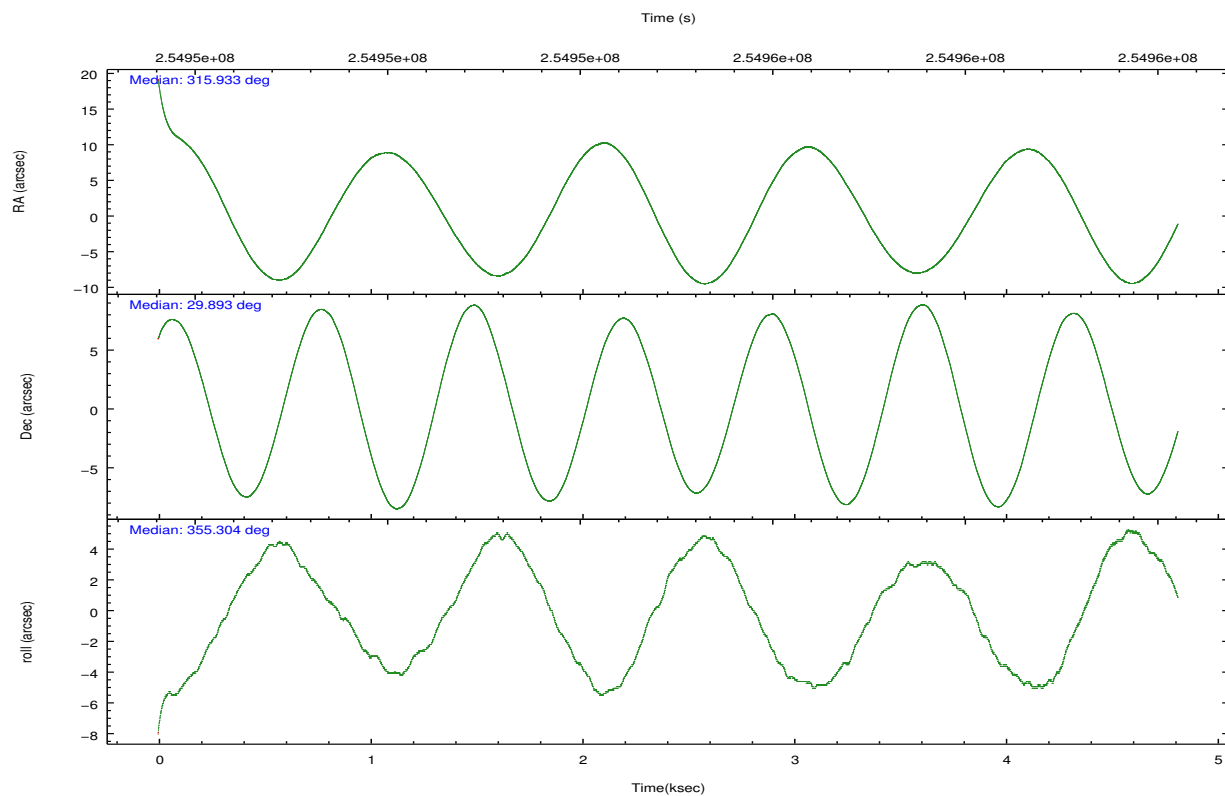
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41495	37972	63227	39363	53280	53652	grade 0 events	3595	3503	5276	3201	2281	4570
rejected events	34807	31456	30916	32712	29283	40789		8%	9%	8%	8%	4%	8%
rejected %	83%	82%	48%	83%	54%	76%	grade 1 events	31	23	181	23	46	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	1223	1074	9794	1247	4788	2812
								2%	2%	15%	3%	8%	5%
							grade 3 events	538	533	1175	535	2008	1186
								1%	1%	1%	1%	3%	2%
							grade 4 events	486	522	1109	503	2044	1076
								1%	1%	1%	1%	3%	2%
							grade 5 events	1466	1724	4170	1741	4640	2254
								3%	4%	6%	4%	8%	4%
							grade 6 events	865	894	15007	1179	12932	3253
								2%	2%	23%	2%	24%	6%
							grade 7 events	33291	29699	26515	30934	24541	38447
								80%	78%	41%	78%	46%	71%

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	315.904574	315.9327654407532	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.880703	29.89267562748337	Alternating exposures requested	N	N
[deg] Pointing Roll	355.161630	355.3042038950282	[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)	254952179.184000	254950981.48137			
Observation start date	2006-01-29T20:01:54	2006-01-29T19:43:01			
[s] Observation end time (MET)	254956858.184000	254957079.20665			
Observation end date	2006-01-29T21:19:53	2006-01-29T21:24:39			
Read mode	TIMED	TIMED			

2.3 Aspect



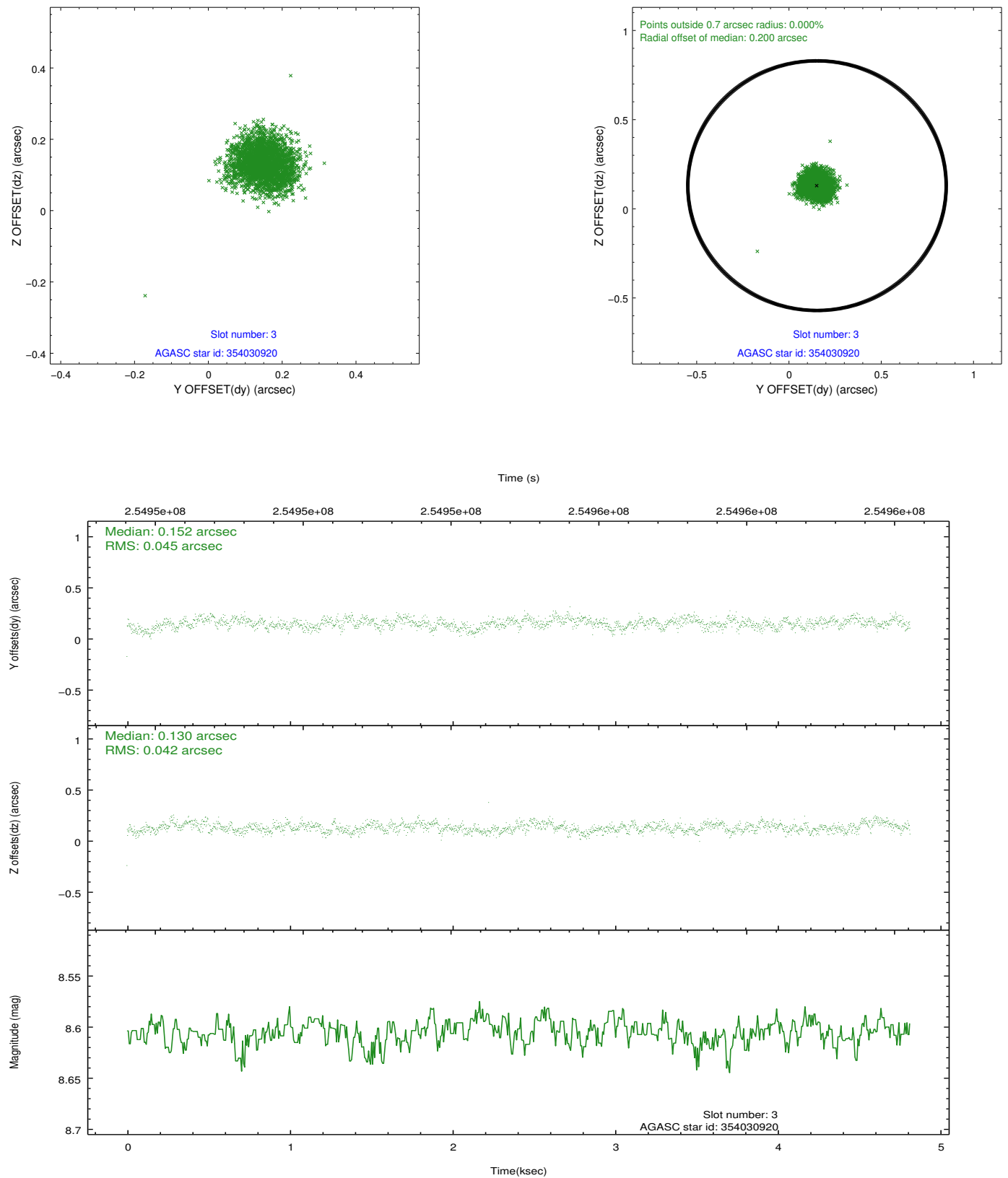


Slot Statistics

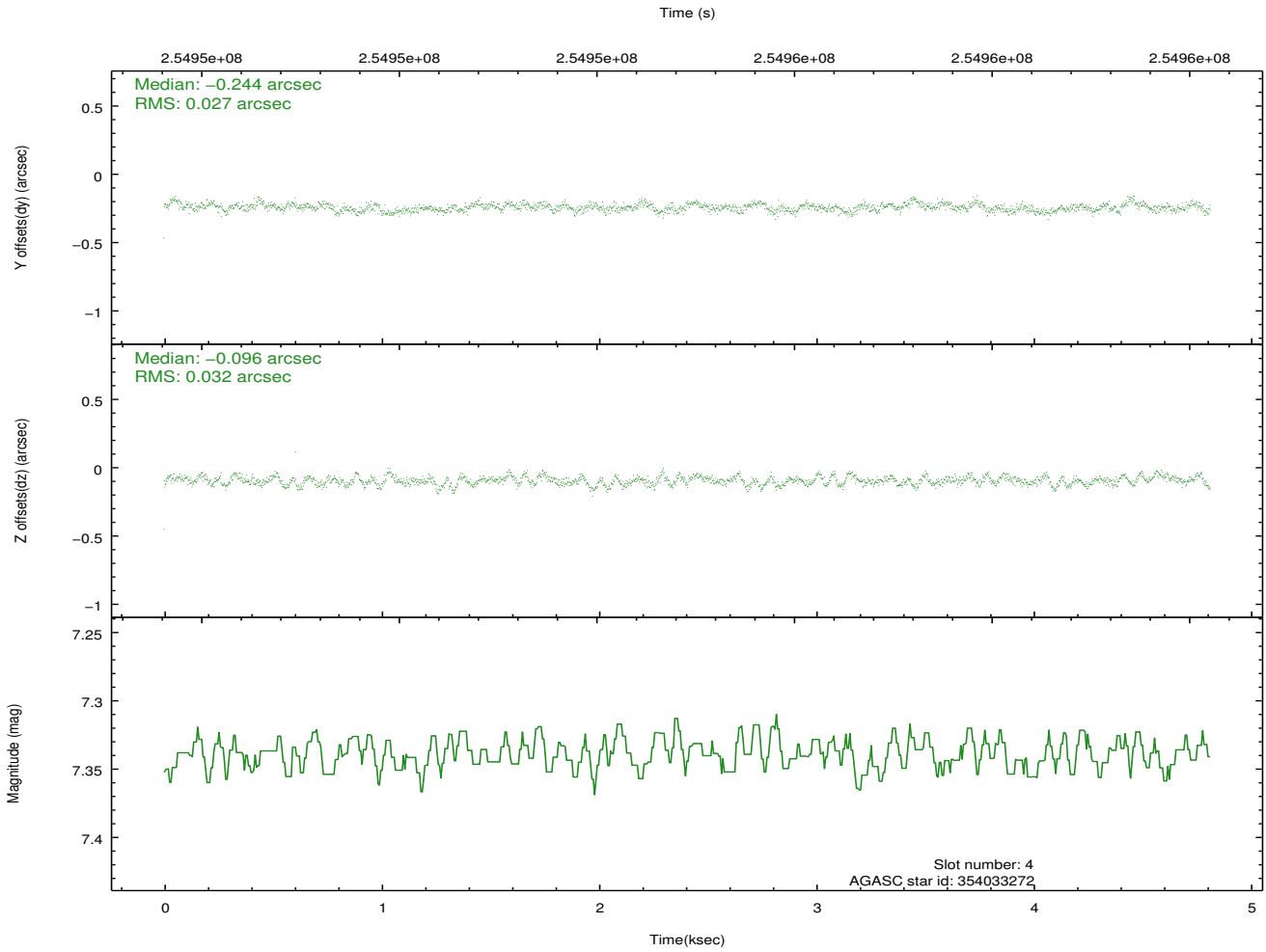
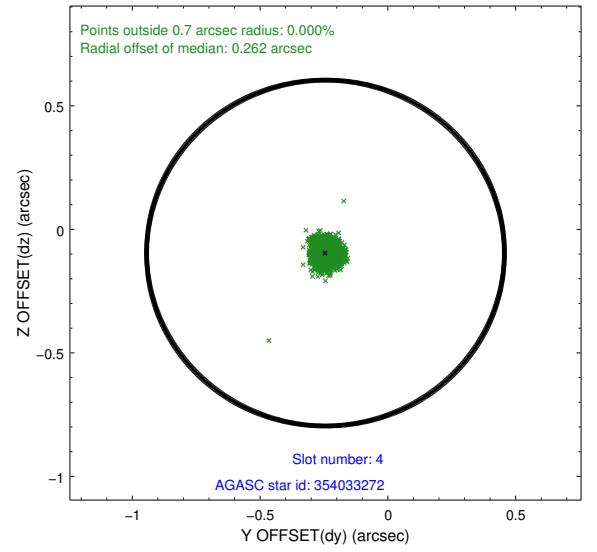
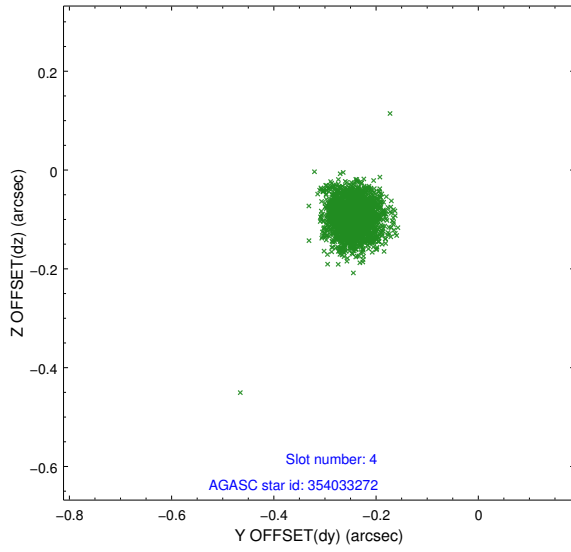
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1175	-0.036	-0.016	0.007	0.012	0.000000	0.000000	-761.50	-1732.22
1	FID	ACIS-S-4	7.21	1175	0.134	0.022	0.005	0.009	0.000000	0.000000	2151.33	175.04
2	FID	ACIS-S-5	7.23	1175	-0.129	0.003	0.007	0.013	0.000000	0.000000	-1812.84	170.07
3	GUIDE	354030920	8.61	2348	0.152	0.130	0.066	0.103	316.708679	30.447484	2314.14	2252.67
4	GUIDE	354033272	7.34	2350	-0.244	-0.096	0.043	0.071	316.454804	30.217233	1603.94	1356.51
5	GUIDE	286271768	7.58	2349	0.019	0.077	0.047	0.076	315.145777	29.760033	-2326.19	-624.43
6	GUIDE	286276784	8.82	2348	0.030	0.040	0.074	0.121	315.278715	29.813164	-1928.64	-401.94
7	GUIDE	354025784	8.41	2348	0.051	-0.149	0.076	0.125	315.561568	30.521927	-1255.50	2211.90

2.4 Star Slots

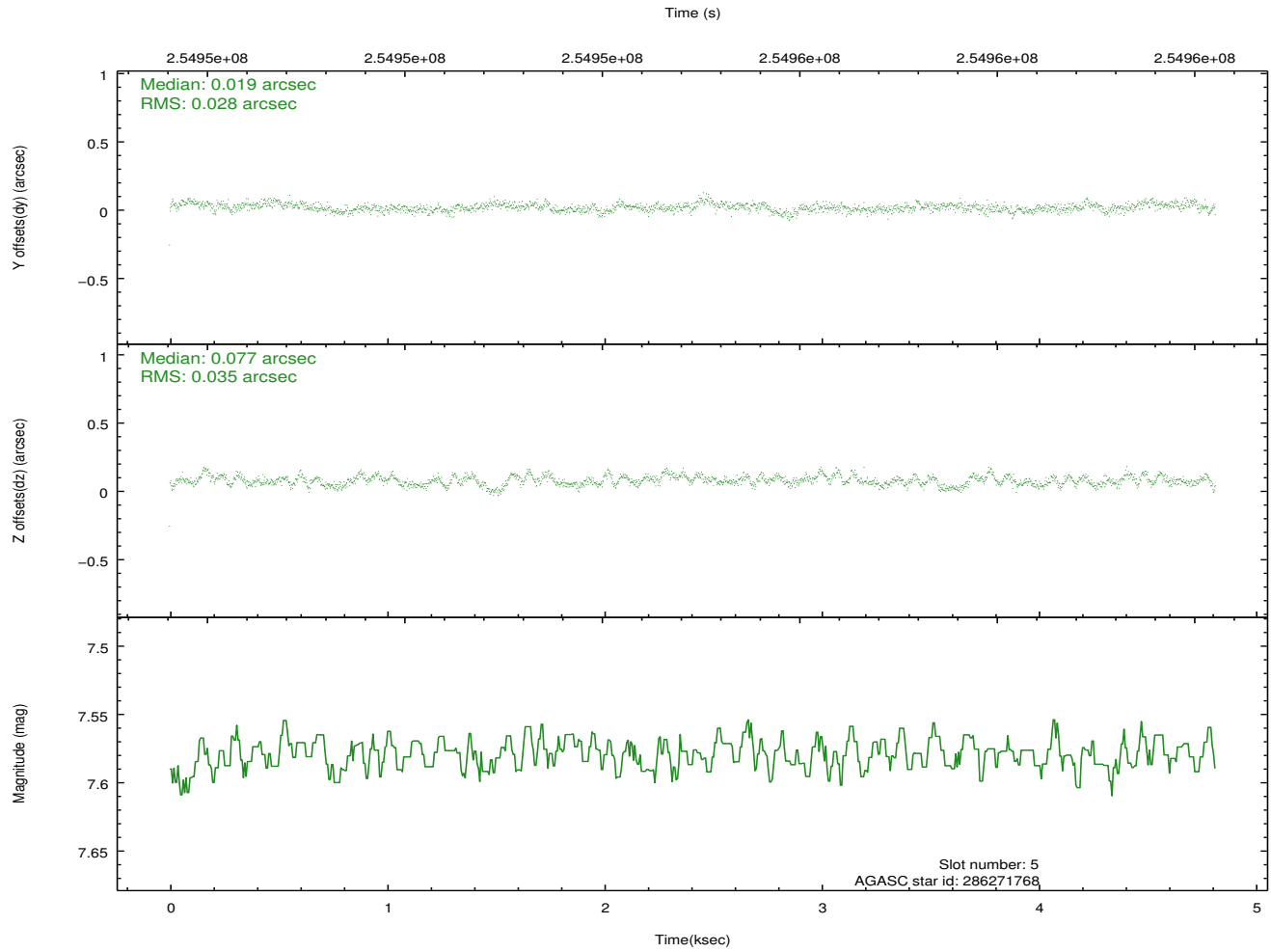
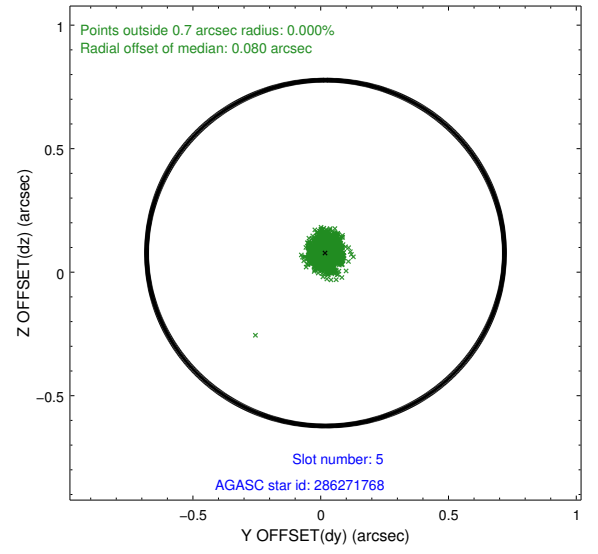
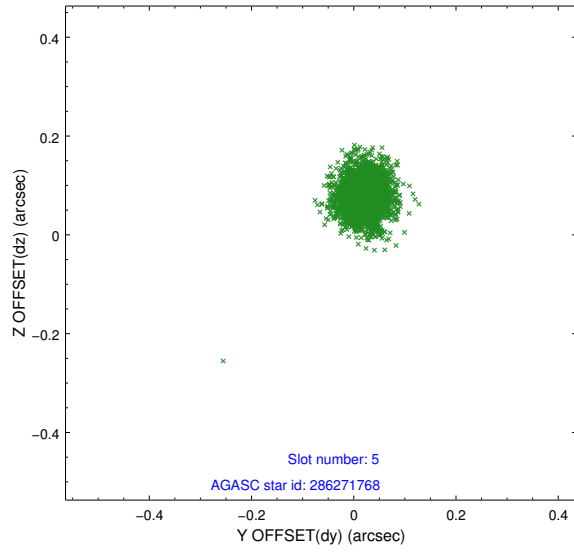
2.4.1 Slot 3



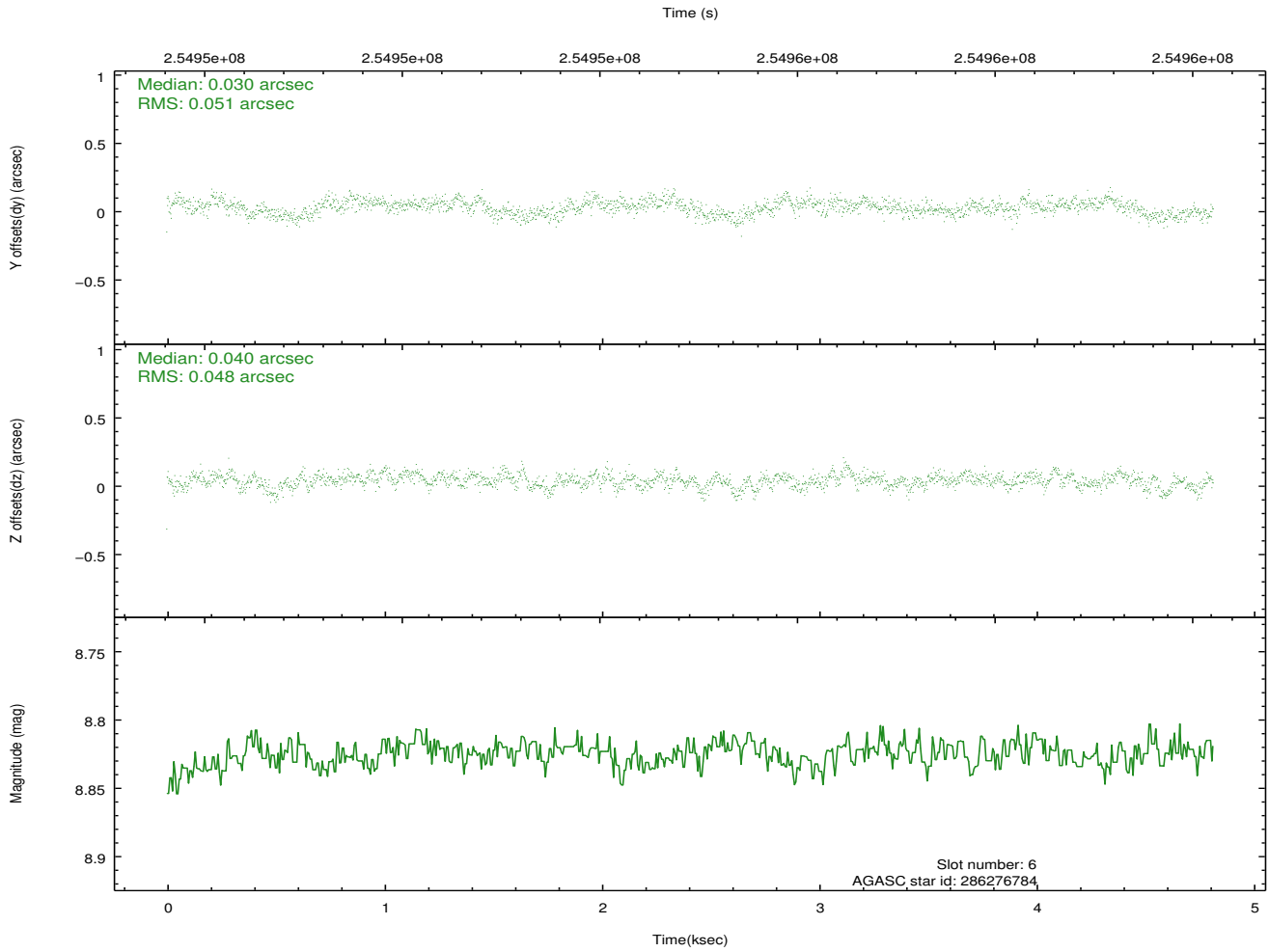
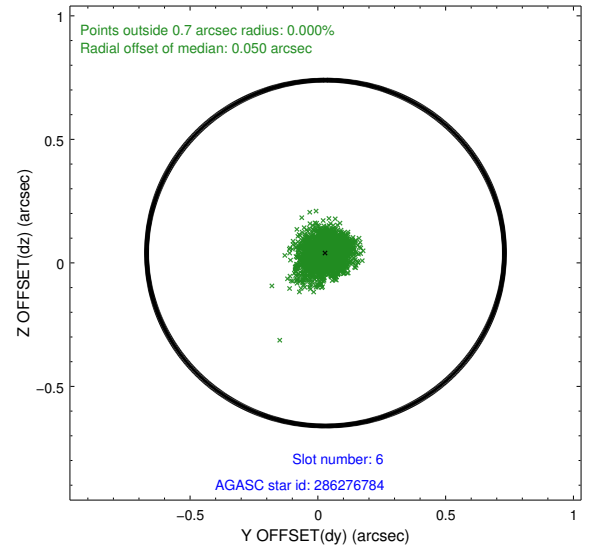
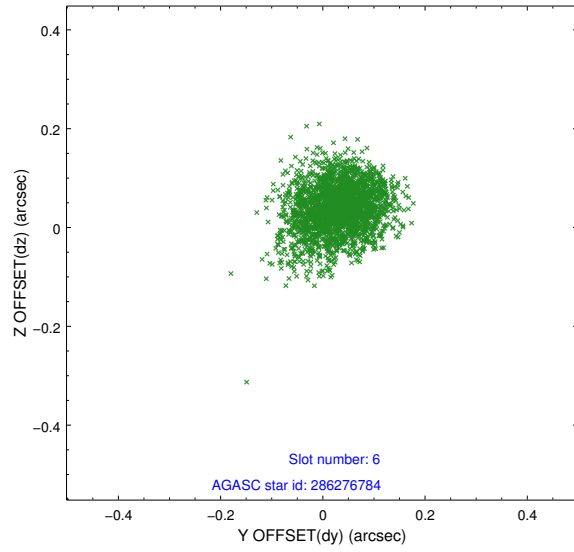
2.4.2 Slot 4



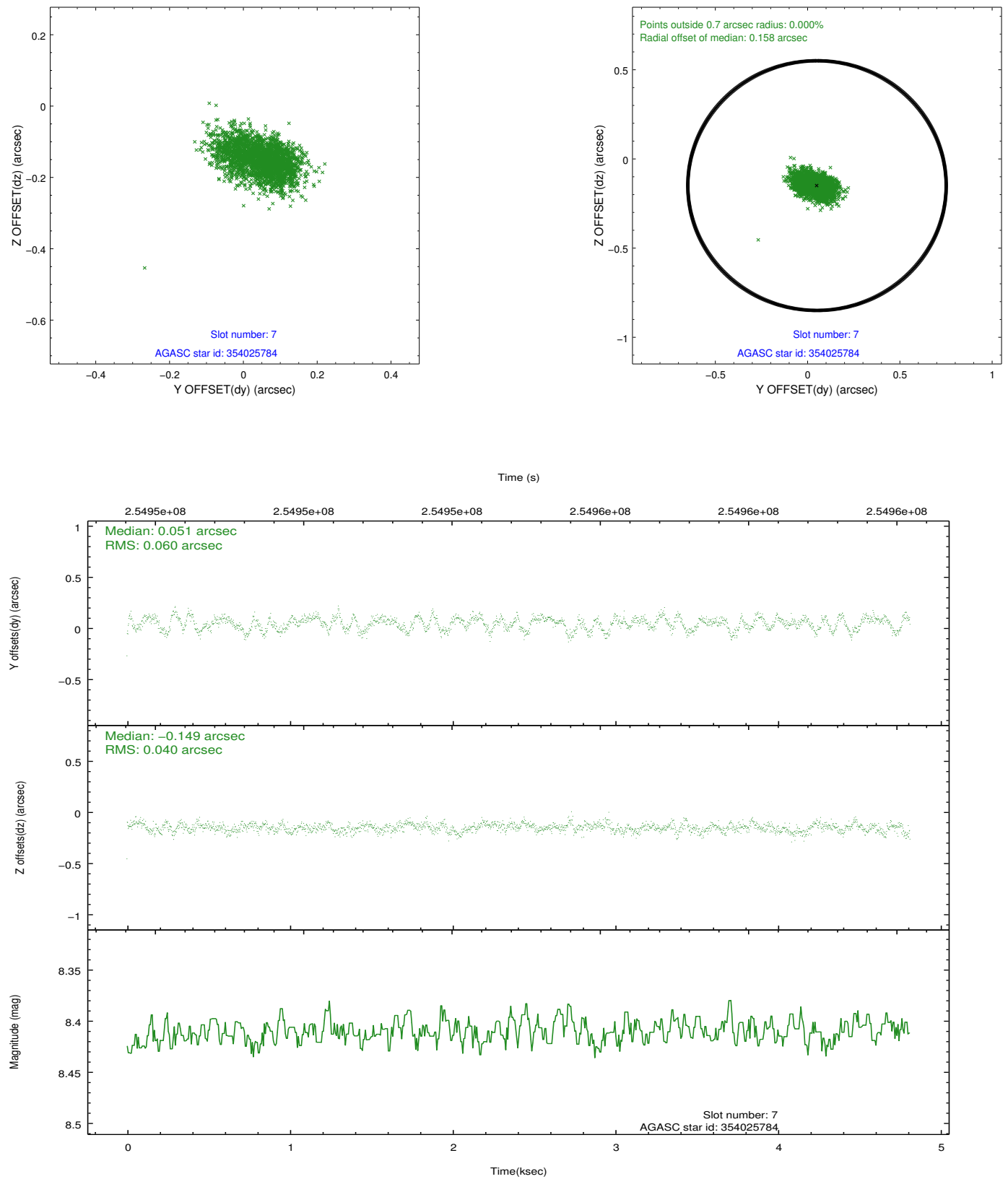
2.4.3 Slot 5



2.4.4 Slot 6

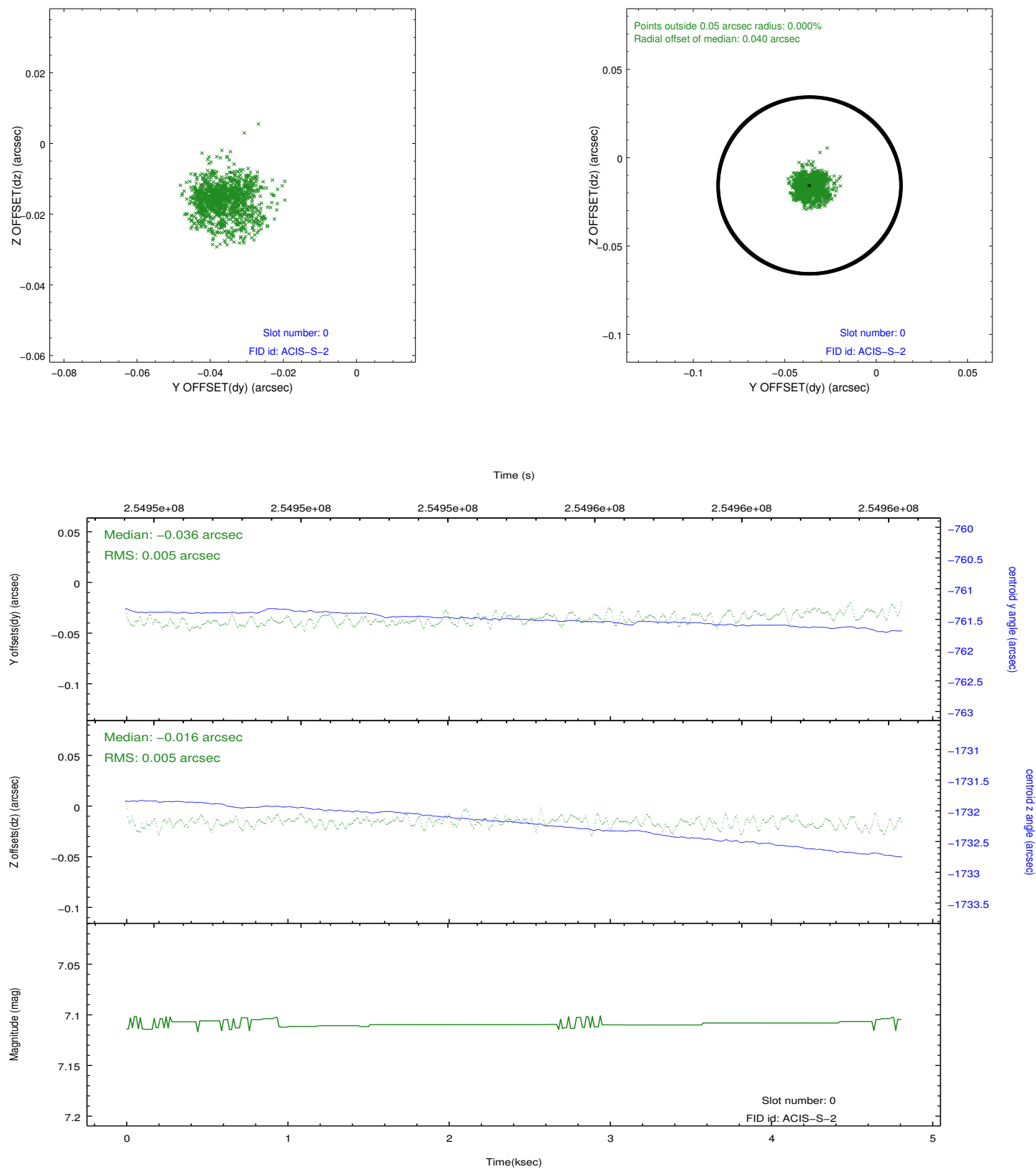


2.4.5 Slot 7

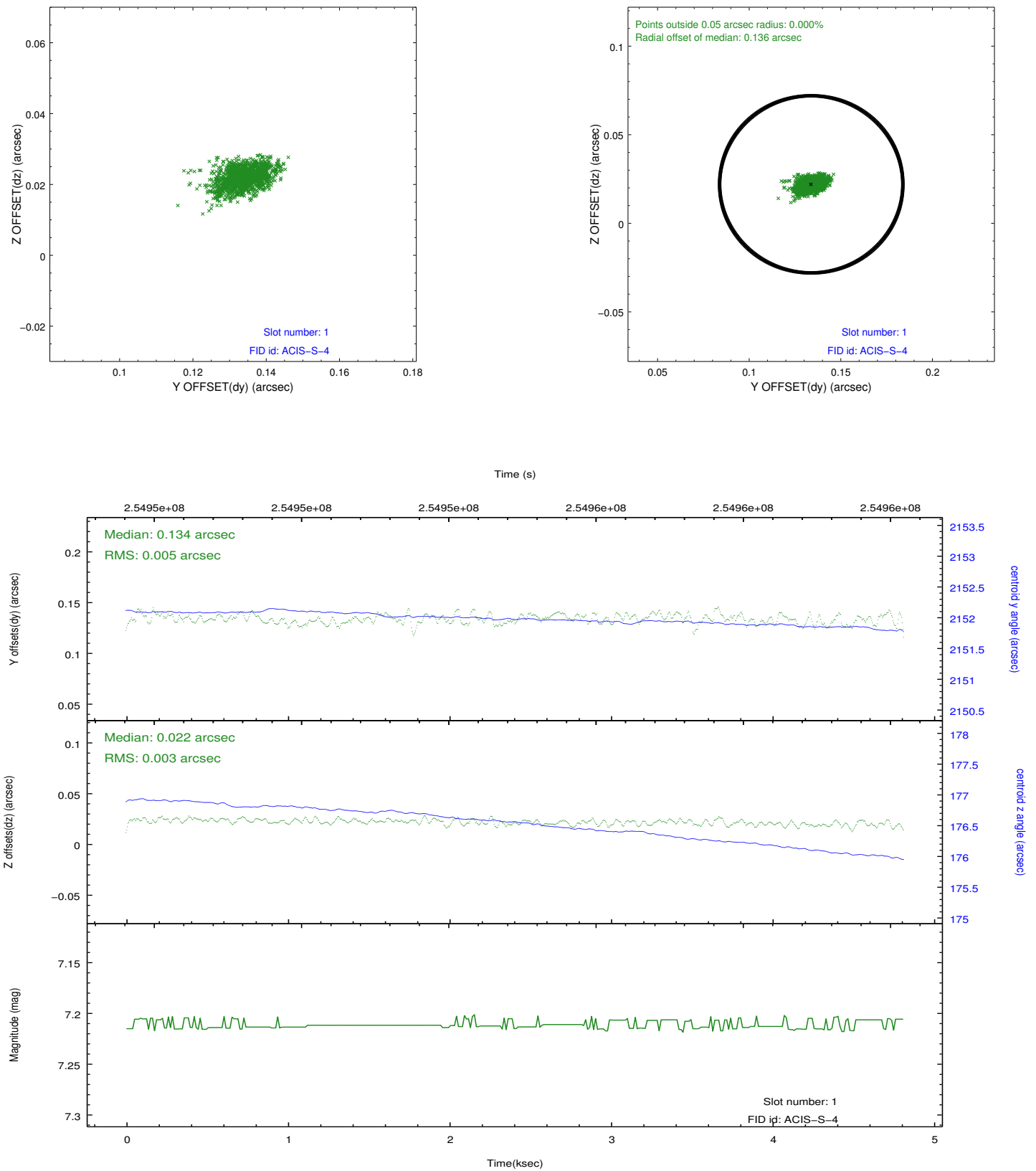


2.5 FID Slots

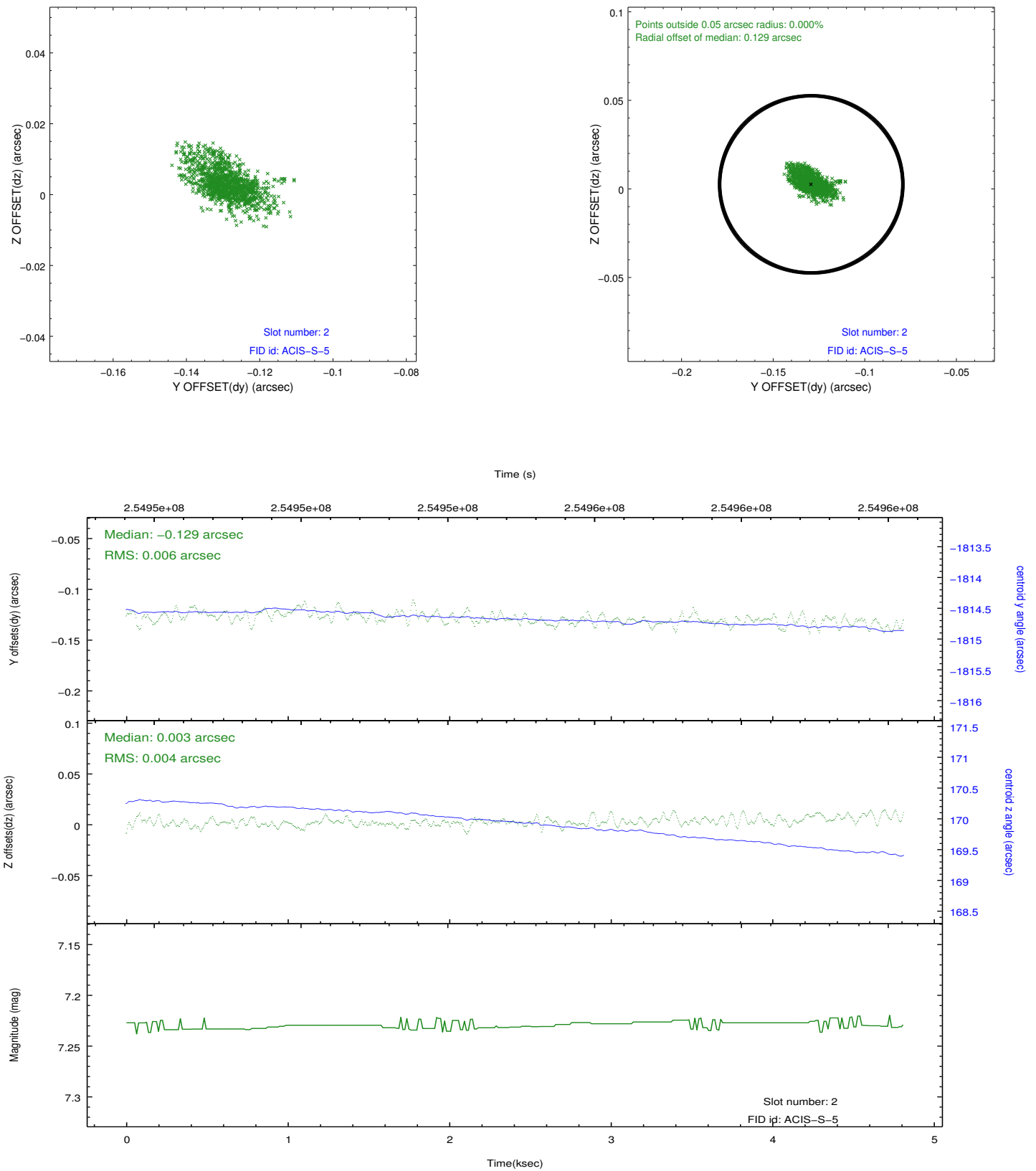
2.5.1 Slot 0



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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.43519998

A.2 Comments