

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7111 - L2 Version 2
Chandra X-Ray Center

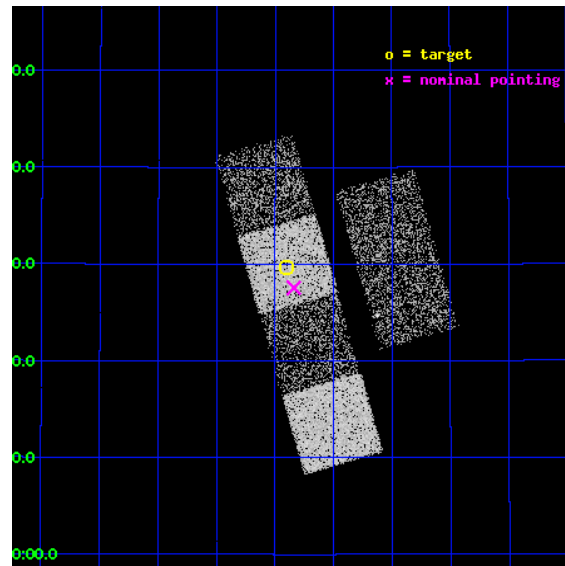
L2 Processing Date : Mar 18 2012

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1 Front

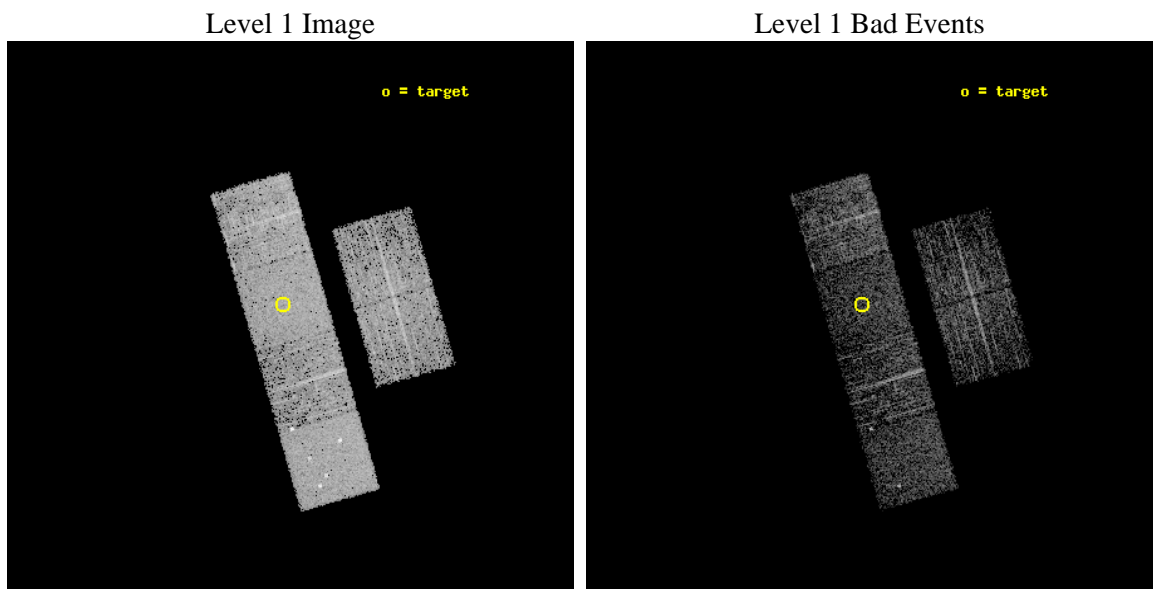
seq_num	600549	Sequence number
obs_id	7111	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Dr. Douglas Swartz	Principal investigator
object	NGC 0959	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	38.099583	Observer's specified target RA [deg]
dec_targ	35.494694	Observer's specified target Dec [deg]
ra_nom	38.084739685615	Nominal RA [deg]
dec_nom	35.459136375485	Nominal Dec [deg]
roll_nom	253.91801587637	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2204.5624911189	Sum of GTIs [s]
livetime	2176.6469934282	Livetime [s]
ontime2	2204.6035311222	Sum of GTIs [s]
ontime3	2204.439371109	Sum of GTIs [s]
ontime5	2204.5214511156	Sum of GTIs [s]
ontime6	2204.4804111123	Sum of GTIs [s]
ontime7	2204.5624911189	Sum of GTIs [s]
ontime8	2201.157261312	Sum of GTIs [s]
l2events	28155	Number of level 2 events



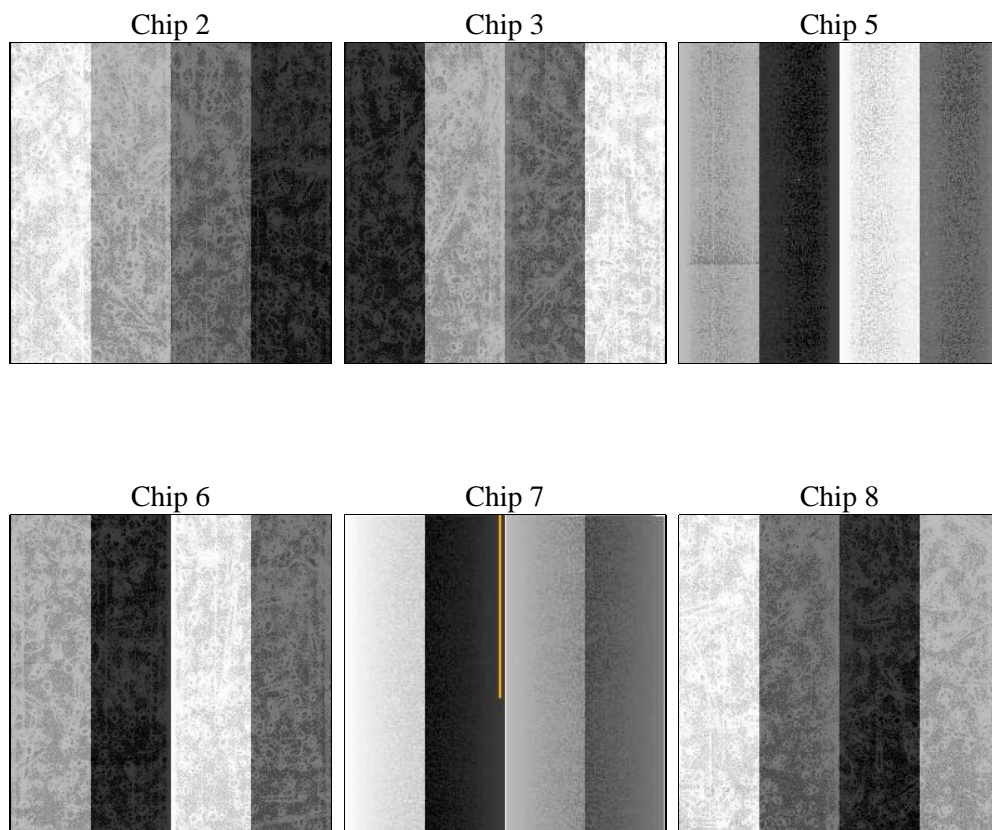
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2450.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2204.5624911189	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	2204.6035311222	Sum of GTIs [s]
date	2012-03-18T08:18:16	Date and time of file creation	ontime3	2204.4393711109	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2204.5214511156	Sum of GTIs [s]
			ontime6	2204.4804111123	Sum of GTIs [s]
			ontime7	2204.5624911189	Sum of GTIs [s]
			ontime8	2201.157261312	Sum of GTIs [s]
			l1events	129459	Number of level 1 events

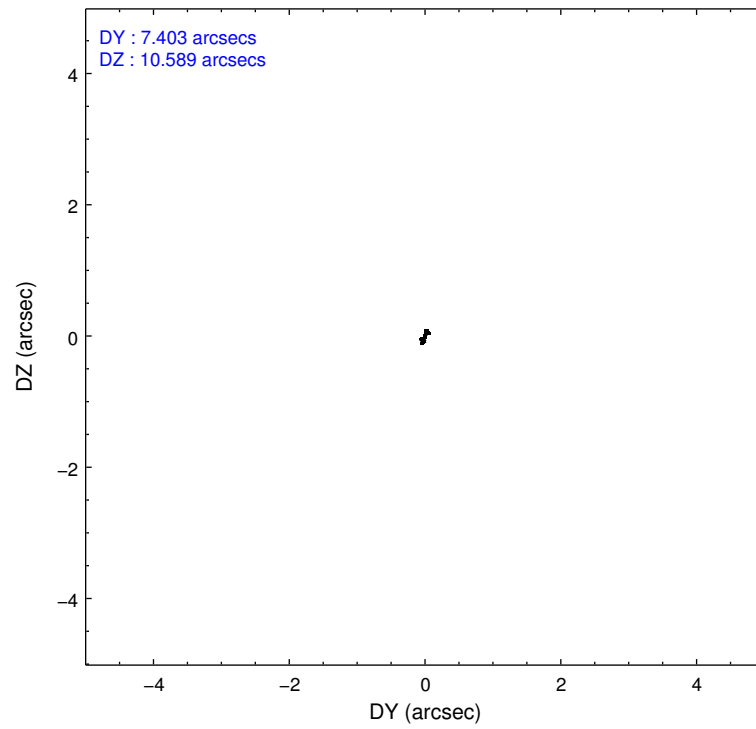
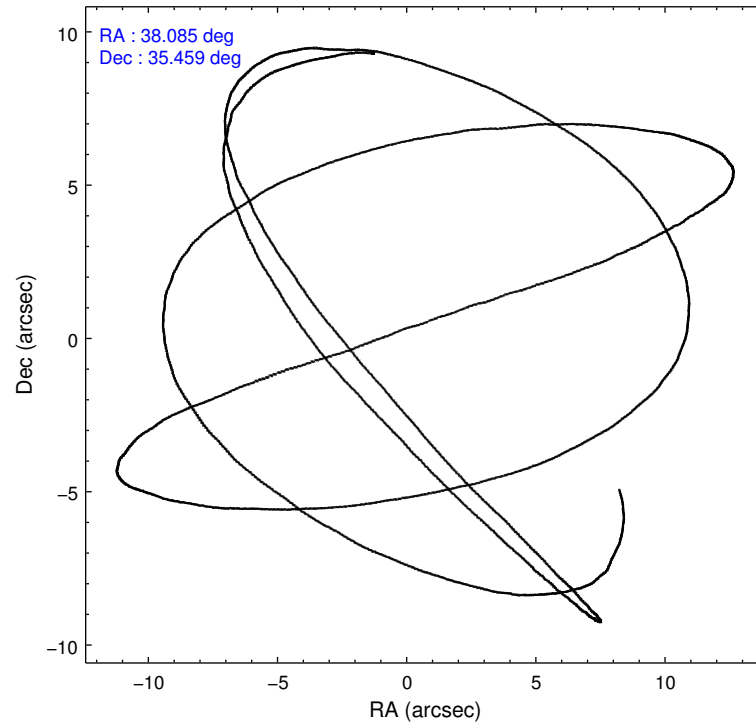
2.1.4 Events

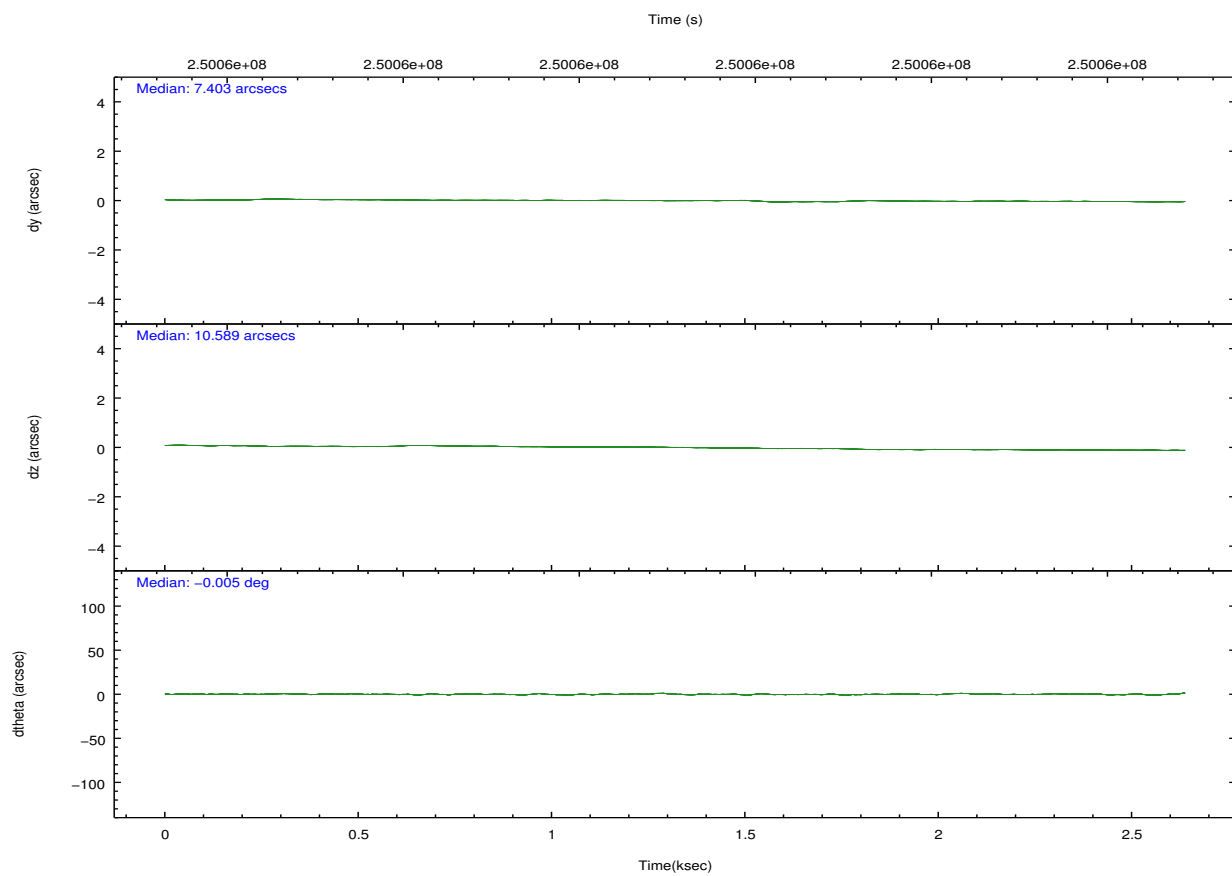
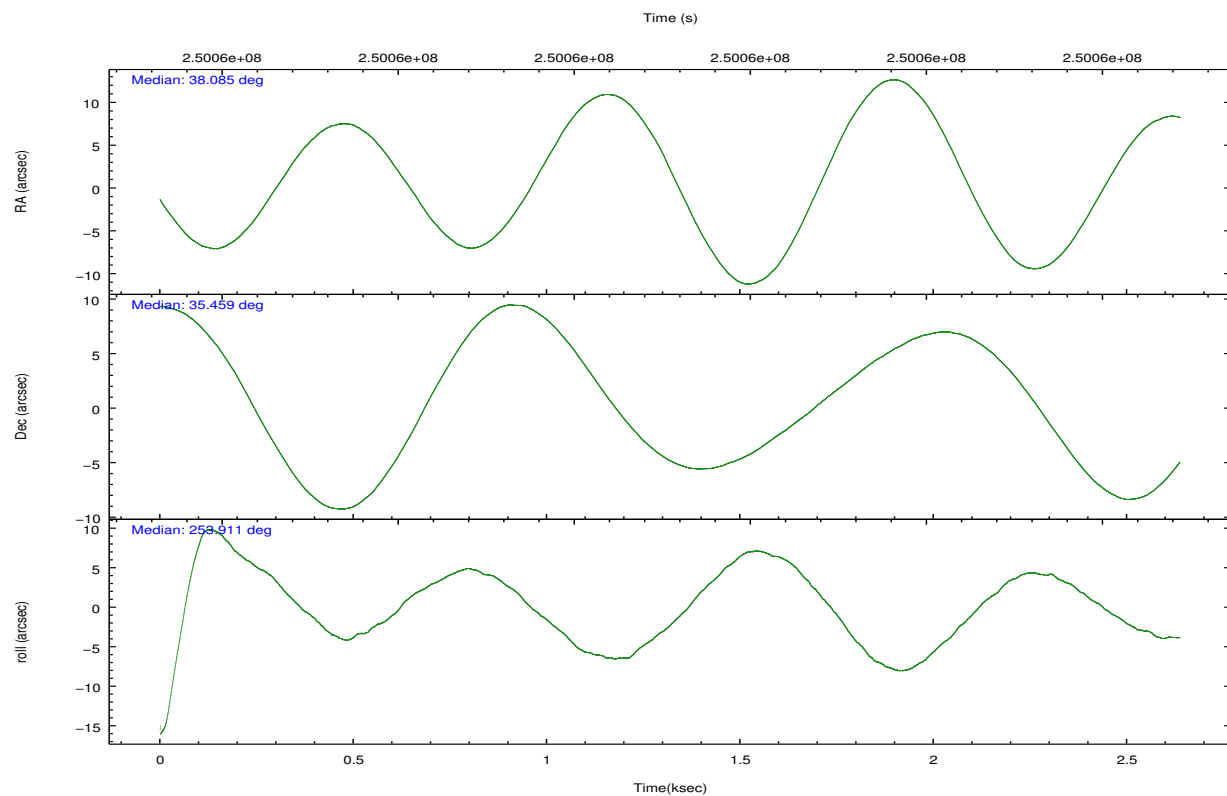
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17494	17120	27538	18191	23630	25486	grade 0 events	1013	908	1849	776	829	1398
rejected events	15369	15111	14539	16121	13823	20929		5%	5%	6%	4%	3%	5%
rejected %	87%	88%	52%	88%	58%	82%	grade 1 events	11	10	92	7	21	17
								0%	0%	0%	0%	0%	0%
							grade 2 events	414	394	3723	414	2031	1008
								2%	2%	13%	2%	8%	3%
							grade 3 events	193	189	555	220	844	513
								1%	1%	2%	1%	3%	2%
							grade 4 events	179	205	454	204	865	439
								1%	1%	1%	1%	3%	1%
							grade 5 events	694	774	2102	817	2215	1065
								3%	4%	7%	4%	9%	4%
							grade 6 events	332	319	6456	466	5268	1229
								1%	1%	23%	2%	22%	4%
							grade 7 events	14658	14321	12307	15287	11557	19817
								83%	83%	44%	84%	48%	77%

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	38.076304	38.08473968561538	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.485637	35.45913637548527	Alternating exposures requested	N	N
[deg] Pointing Roll	253.766284	253.9180158763691	[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)	250056139.184000	250055696.05466			
Observation start date	2005-12-04T04:01:15	2005-12-04T03:54:56			
[s] Observation end time (MET)	250058589.184000	250059348.12982			
Observation end date	2005-12-04T04:42:05	2005-12-04T04:55:48			
Read mode	TIMED	TIMED			

2.3 Aspect



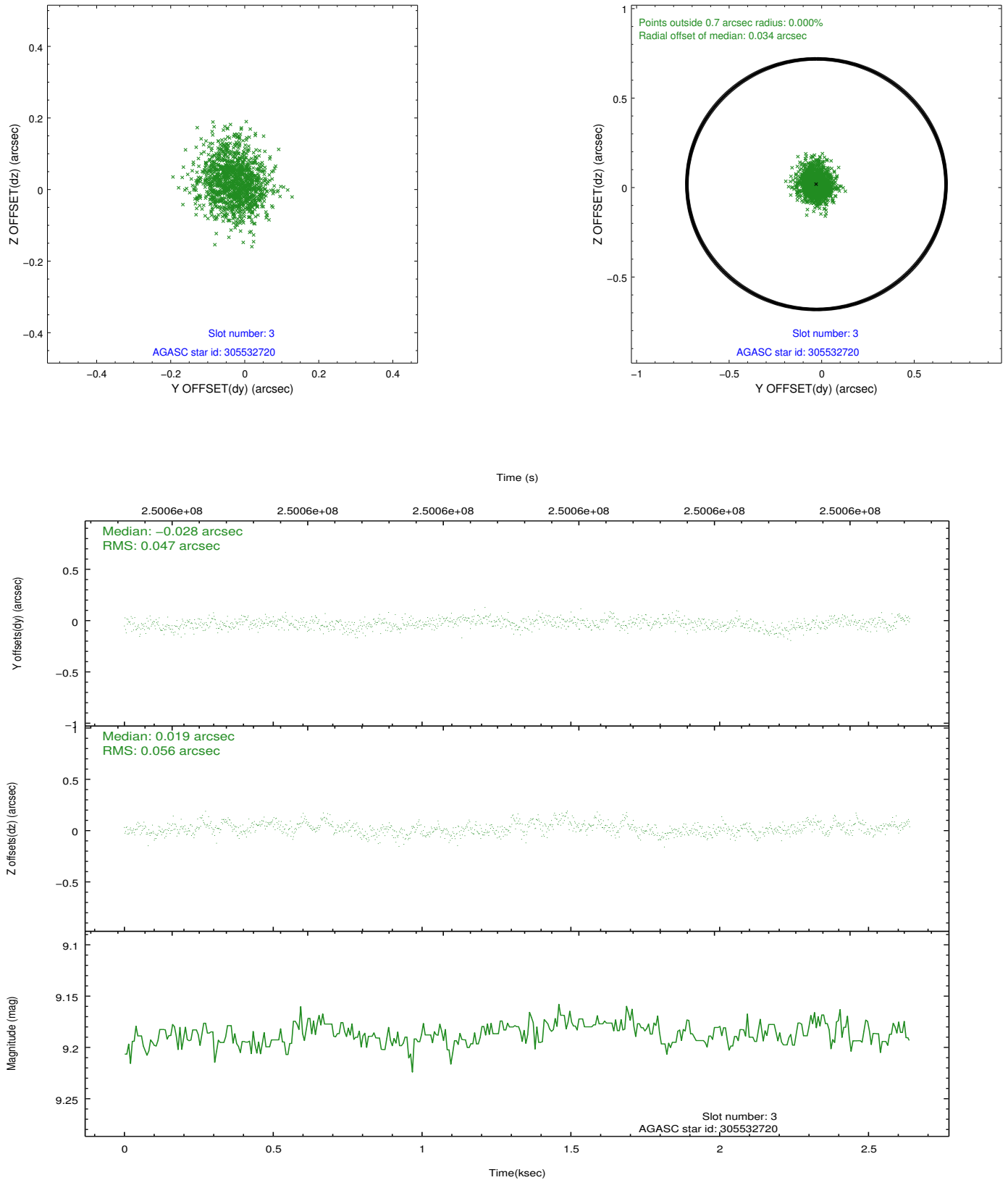


Slot Statistics

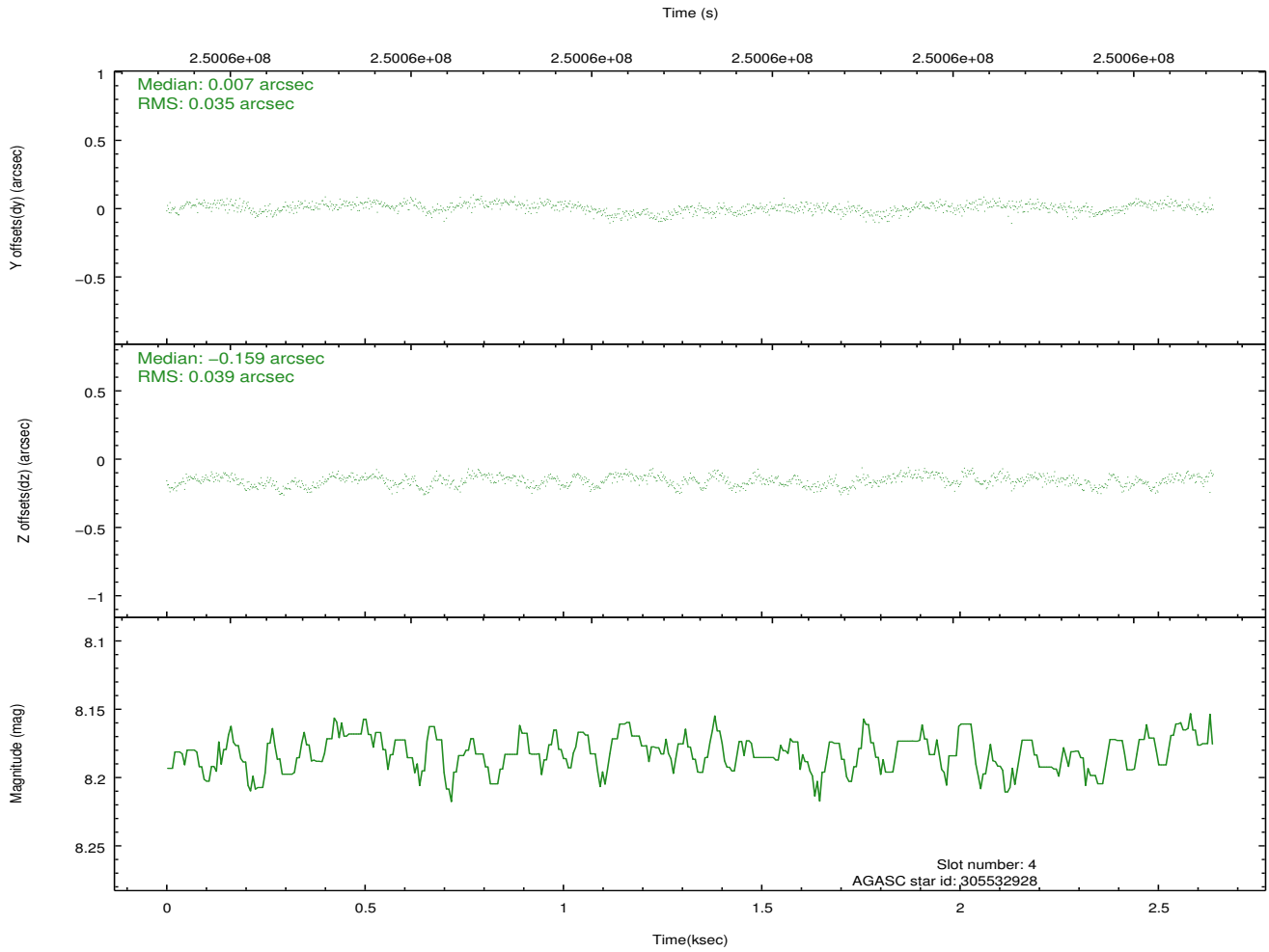
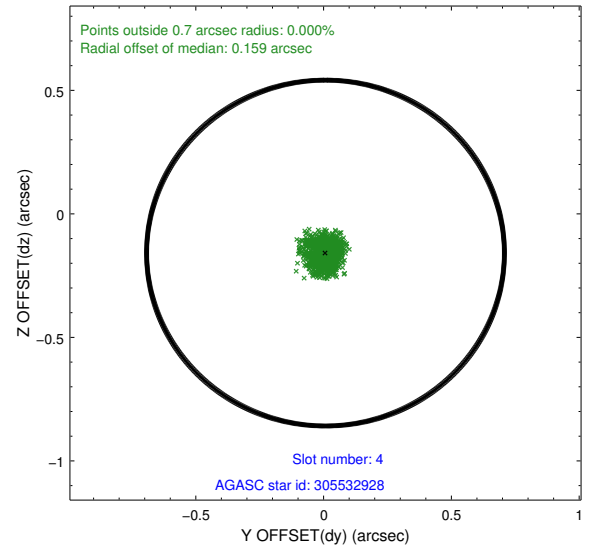
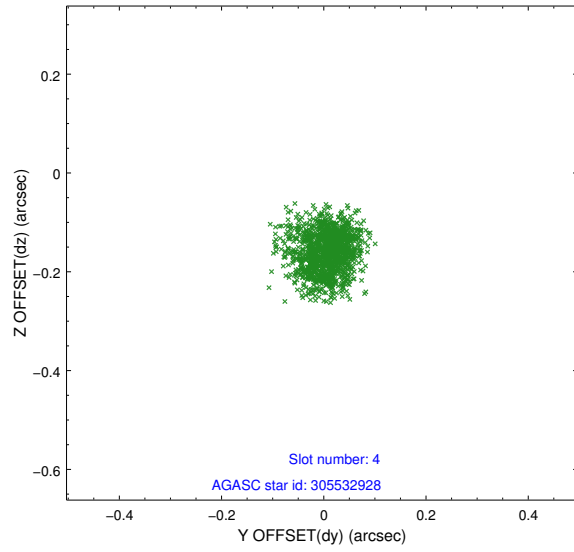
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	644	-0.047	-0.014	0.007	0.010	0.000000	0.000000	-760.16	-1731.82
1	FID	ACIS-S-4	7.21	644	0.096	0.026	0.005	0.010	0.000000	0.000000	2152.10	174.25
2	FID	ACIS-S-5	7.24	644	-0.080	-0.004	0.006	0.011	0.000000	0.000000	-1809.95	170.58
3	GUIDE	305532720	9.19	1286	-0.028	0.019	0.078	0.127	37.796494	35.401302	519.45	-703.54
4	GUIDE	305532928	8.18	1287	0.007	-0.159	0.057	0.090	38.140287	35.280175	657.78	386.83
5	GUIDE	305667080	7.78	1288	0.032	0.026	0.072	0.111	38.573646	35.150111	747.26	1742.87
6	GUIDE	306058544	9.25	1287	-0.041	0.025	0.092	0.153	37.751033	35.712961	-520.98	-1140.36
7	GUIDE	305533256	8.14	1284	0.028	0.090	0.061	0.096	37.783830	34.930548	2158.29	-270.34

2.4 Star Slots

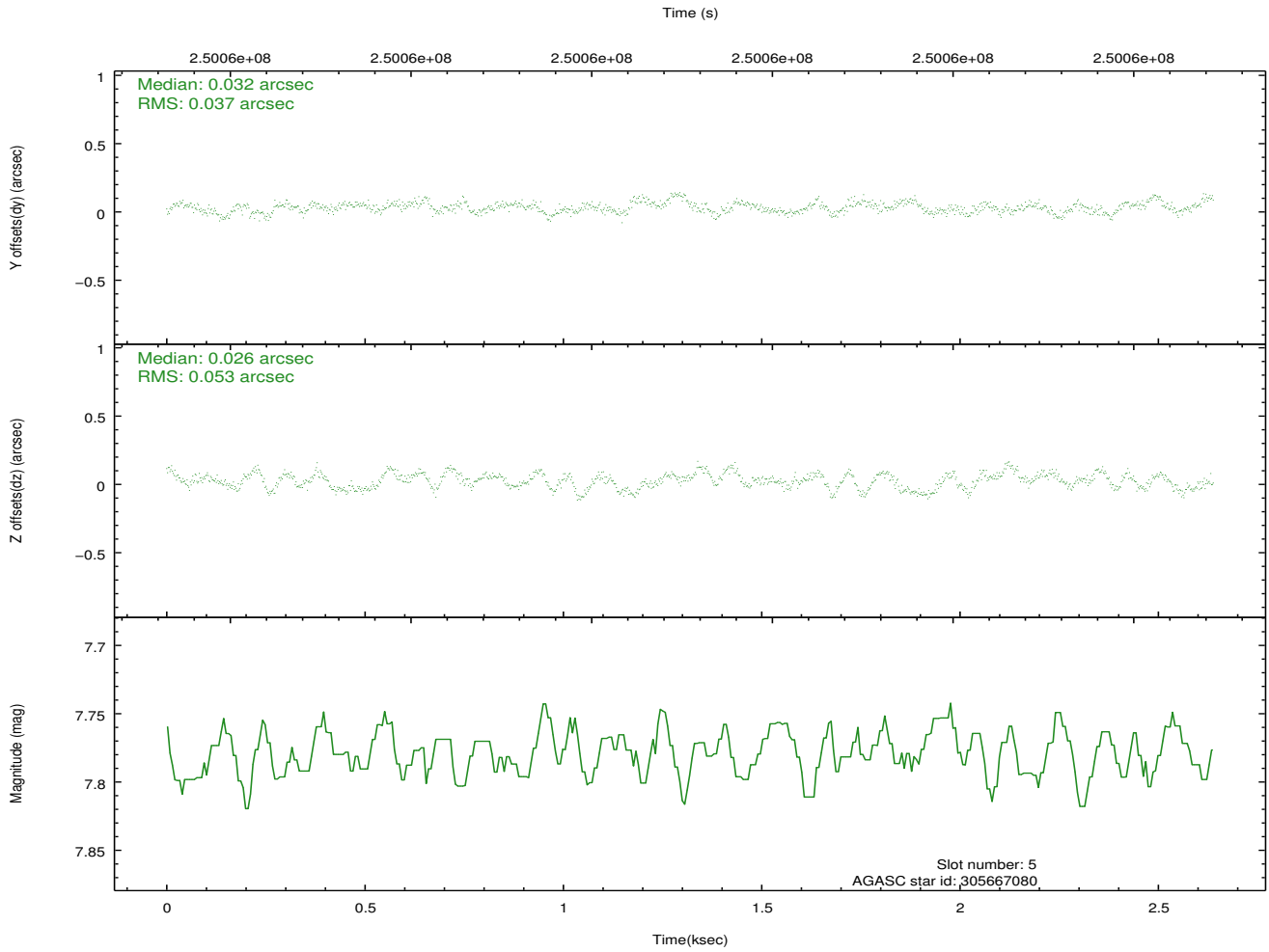
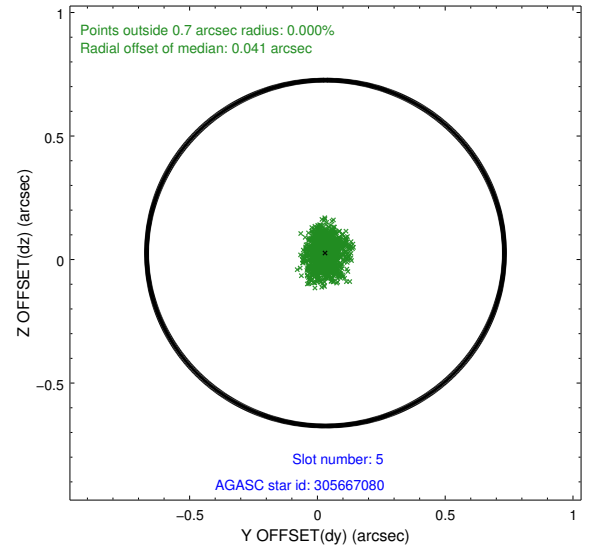
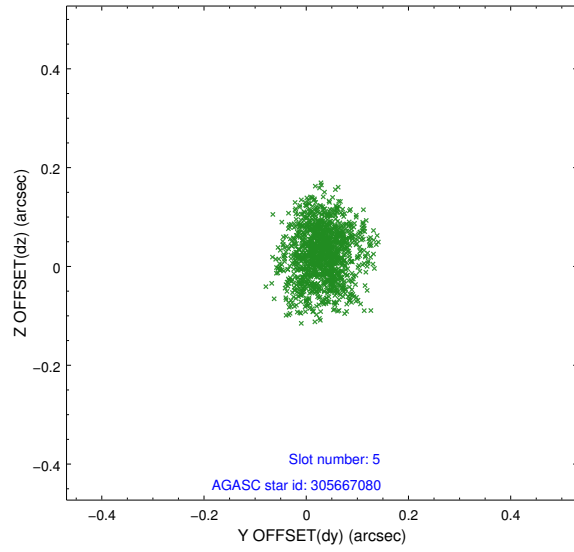
2.4.1 Slot 3



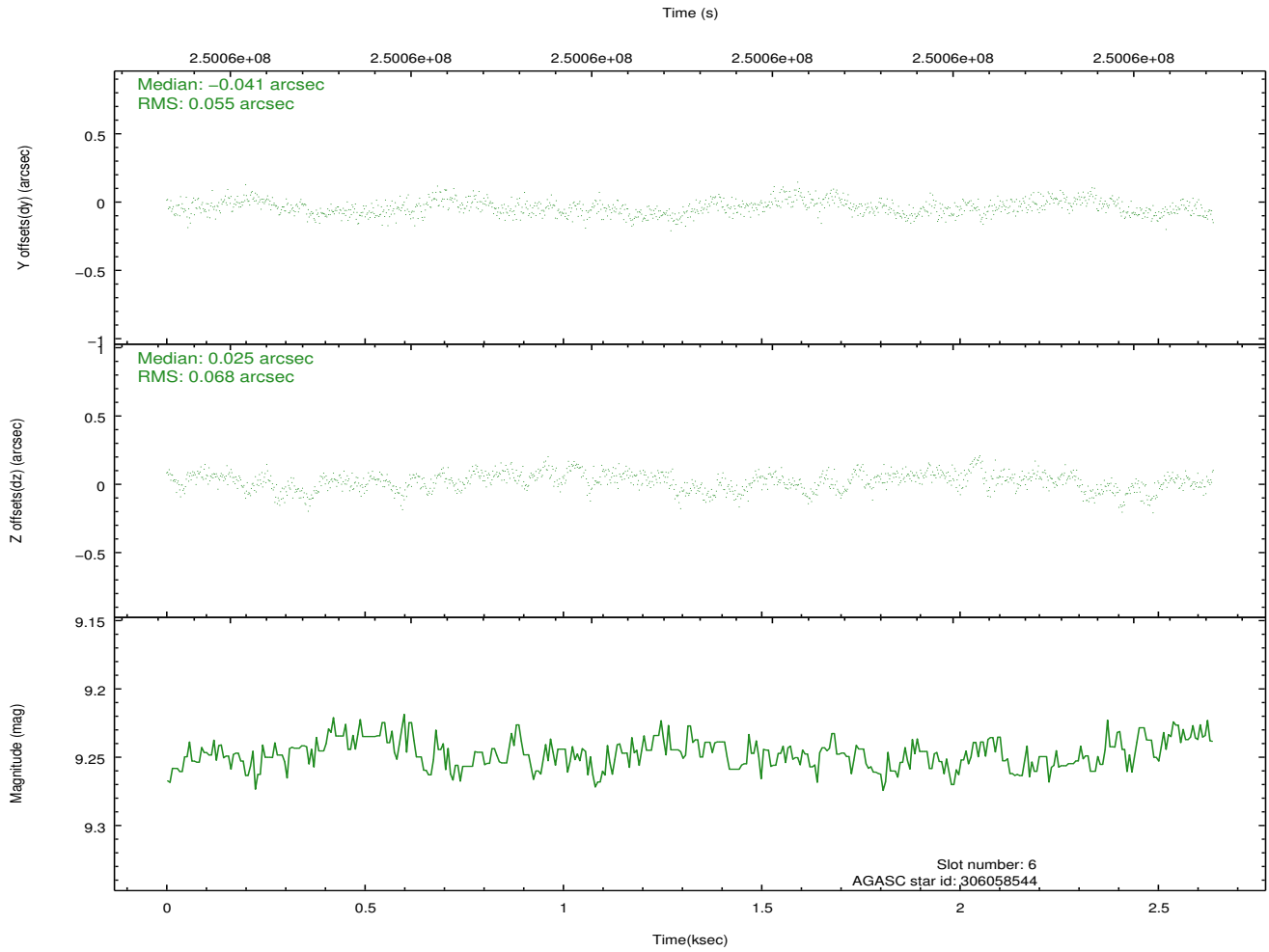
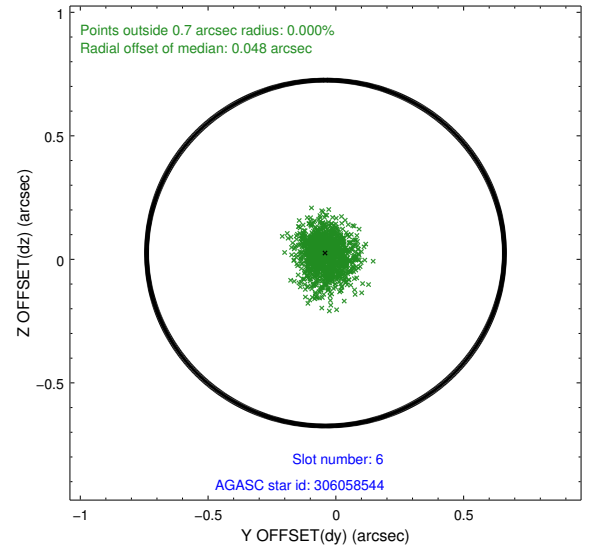
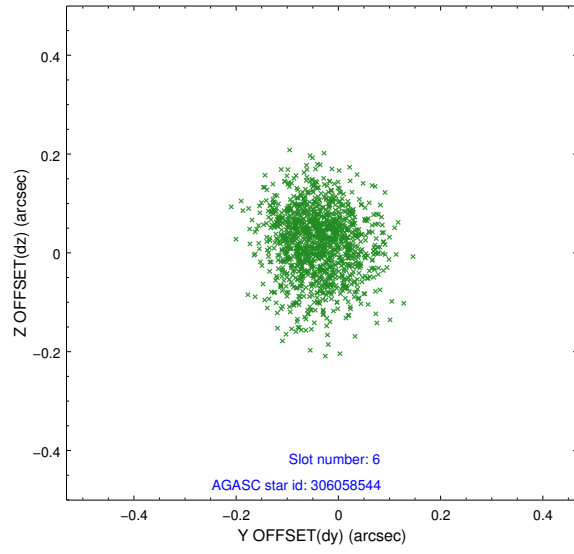
2.4.2 Slot 4



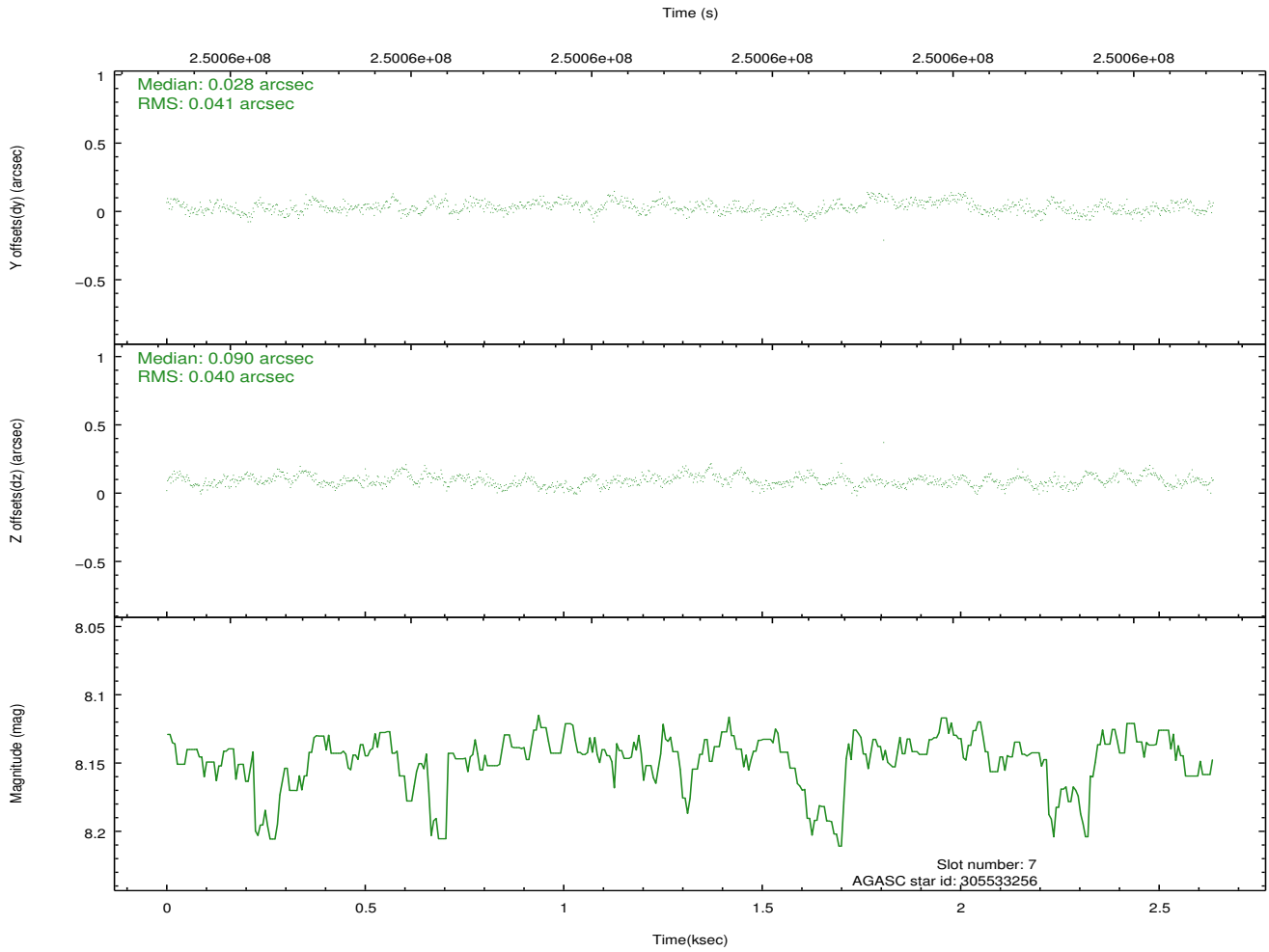
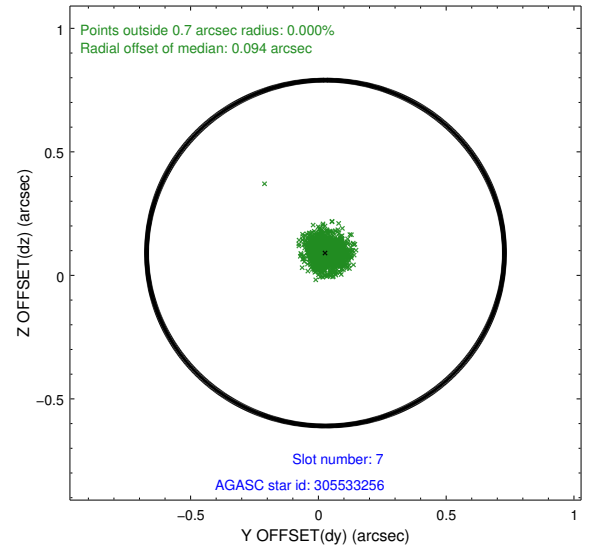
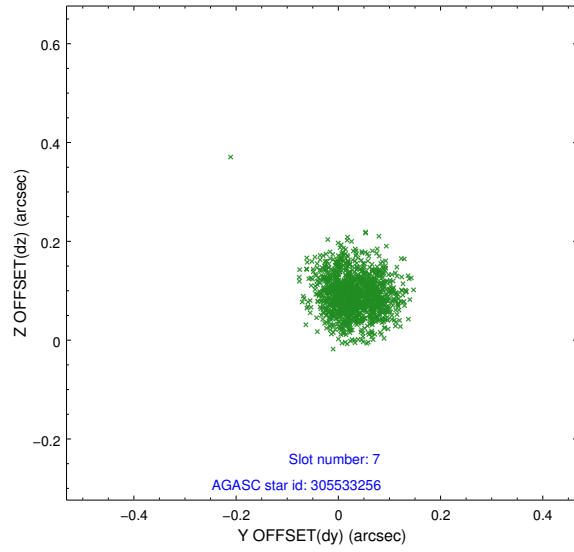
2.4.3 Slot 5



2.4.4 Slot 6

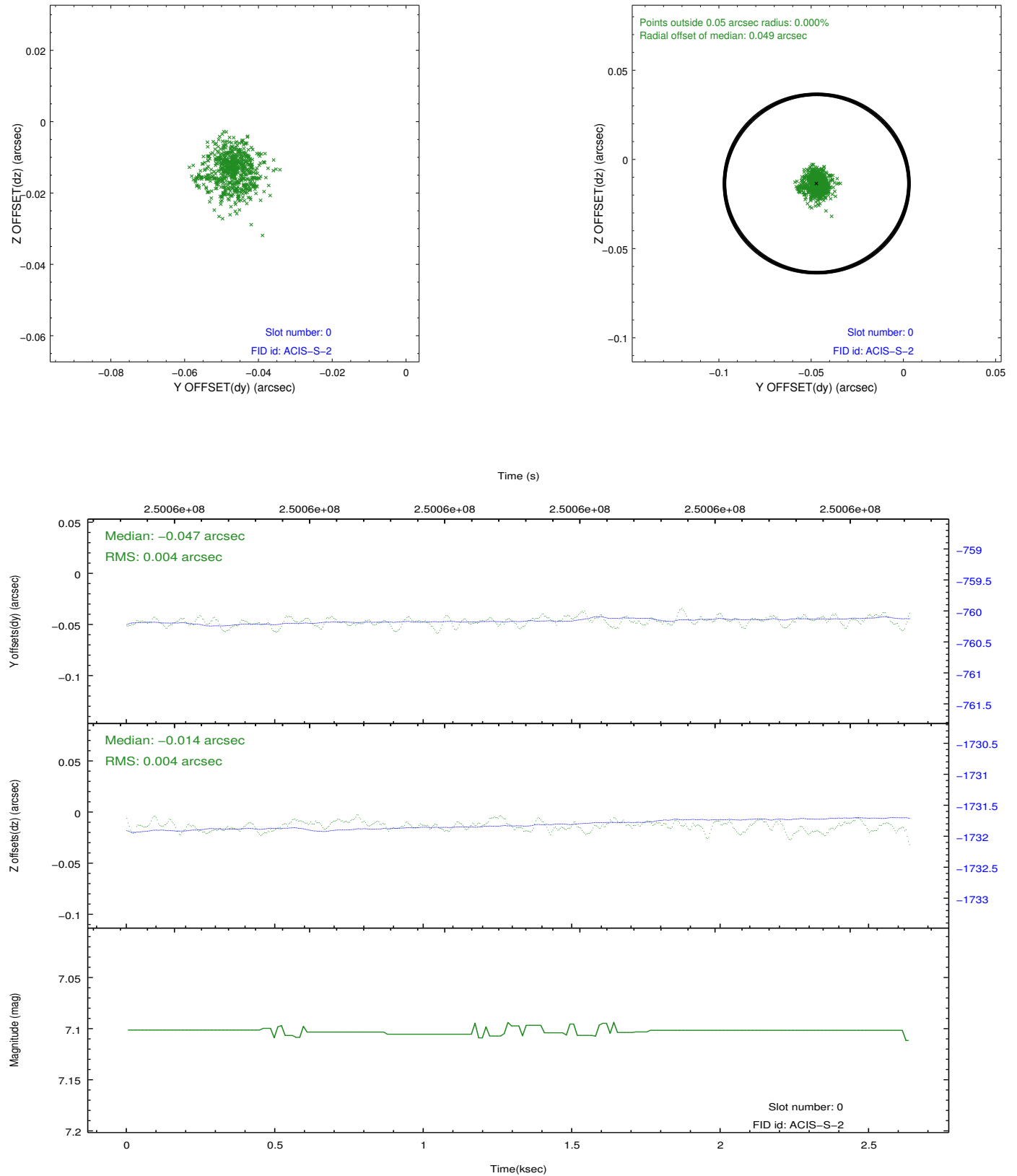


2.4.5 Slot 7

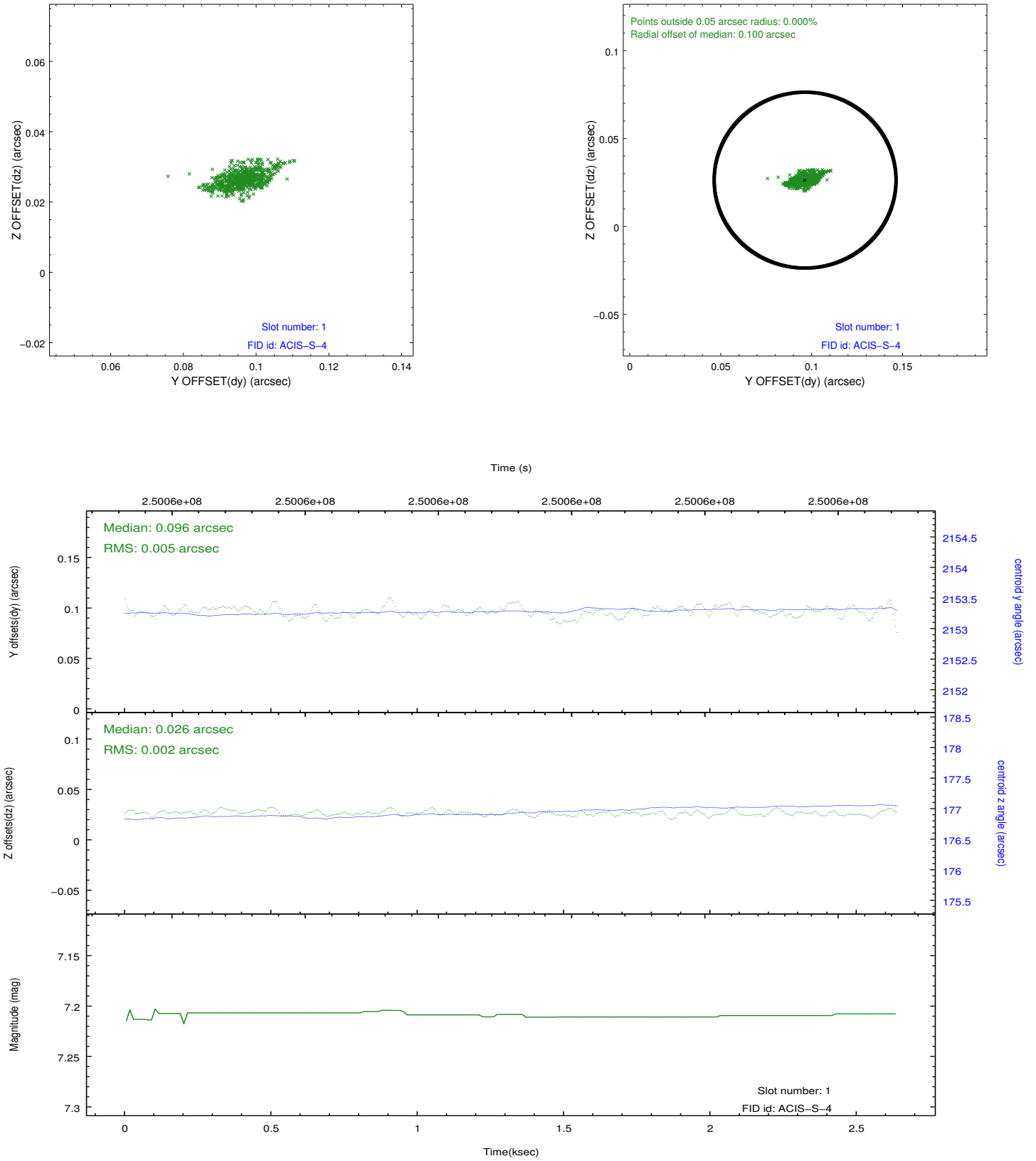


2.5 FID Slots

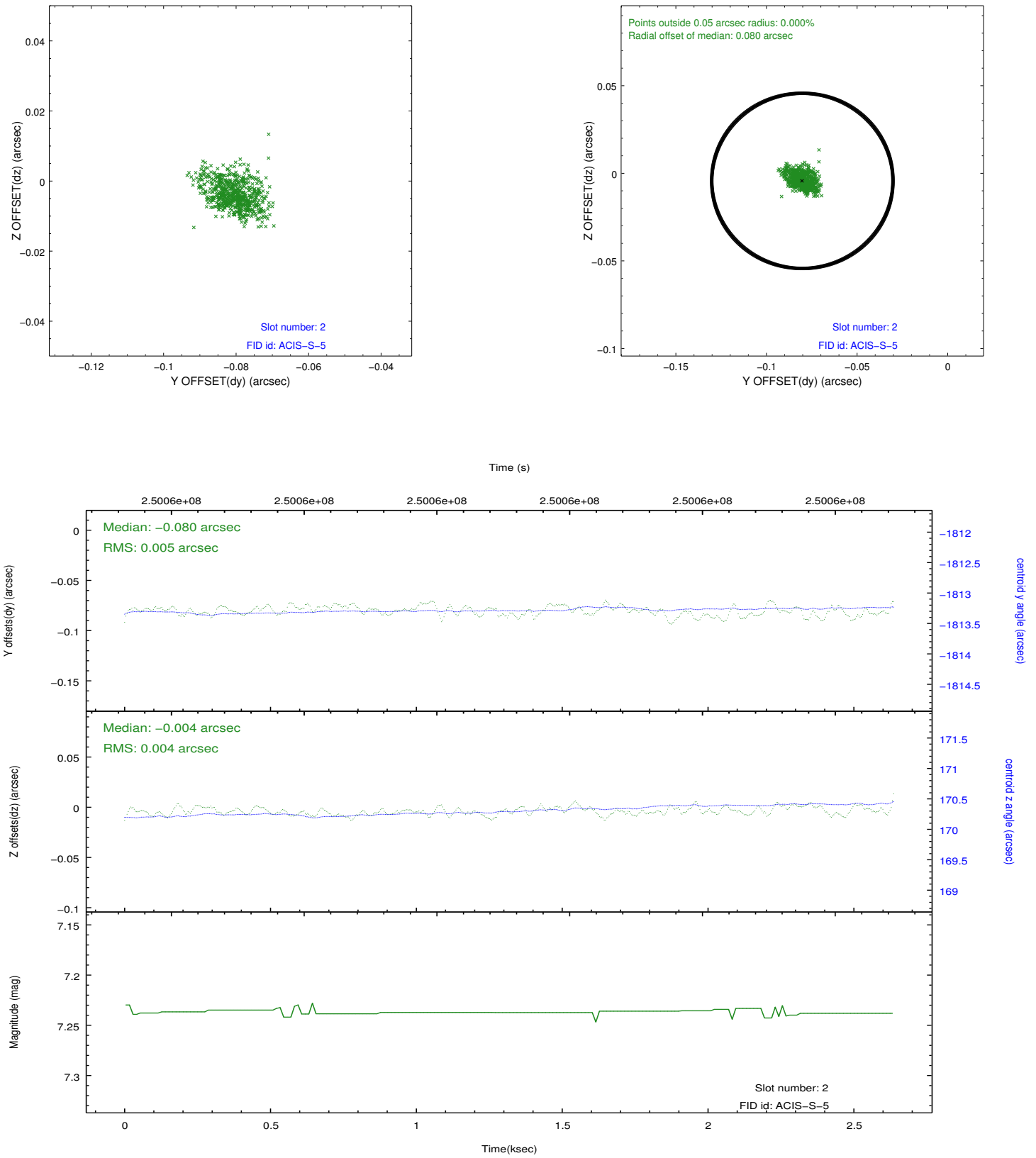
2.5.1 Slot 0



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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.204799

A.2 Comments