

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3333 - L2 Version 3
Chandra X-Ray Center

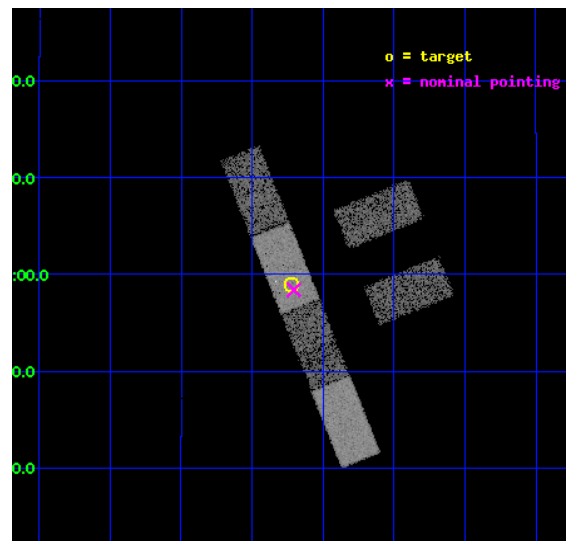
L2 Processing Date : Oct 11 2012

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1 Front

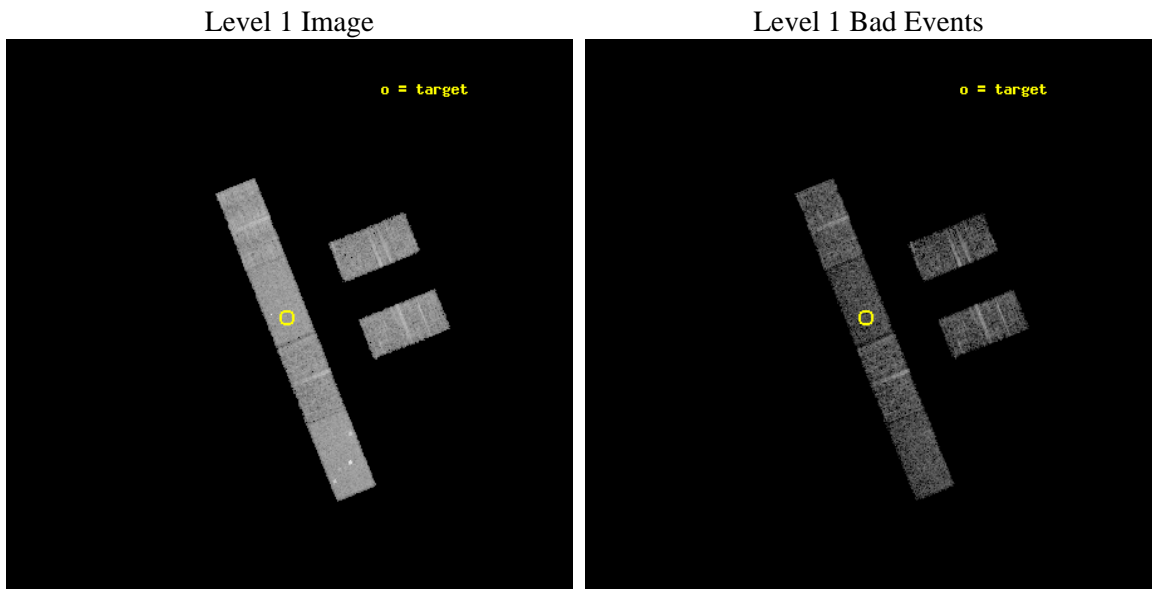
seq_num	900172	Sequence number
obs_id	3333	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1511.7+0758	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.931667	Observer's specified target RA [deg]
dec_targ	7.981667	Observer's specified target Dec [deg]
ra_nom	227.92645899293	Nominal RA [deg]
dec_nom	7.9735670132907	Nominal Dec [deg]
roll_nom	248.2156112729	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5247.0000347495	Sum of GTIs [s]
livetime	5130.035231472	Livetime [s]
ontime2	5247.0000347495	Sum of GTIs [s]
ontime3	5247.0000347495	Sum of GTIs [s]
ontime5	5247.0000347495	Sum of GTIs [s]
ontime6	5247.0000347495	Sum of GTIs [s]
ontime7	5247.0000347495	Sum of GTIs [s]
ontime8	5247.0000347495	Sum of GTIs [s]
l2events	42887	Number of level 2 events



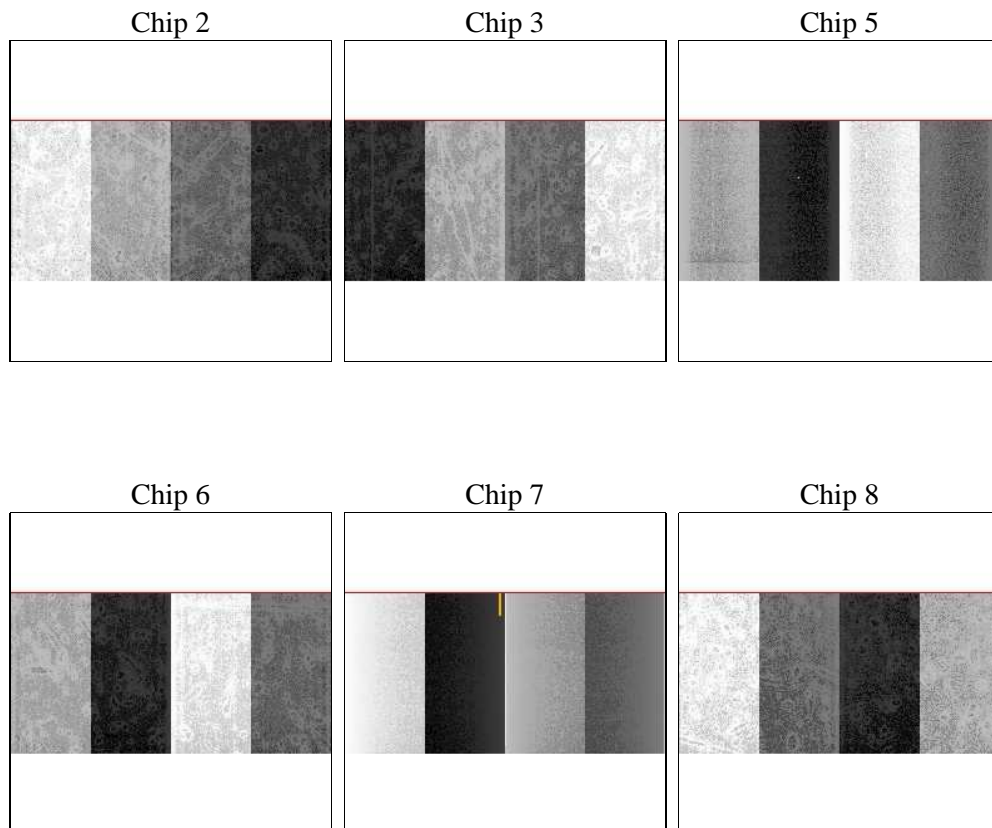
2 OBI

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	5247.0000347495	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5247.0000347495	Sum of GTIs [s]
date	2012-10-11T15:43:45	Date and time of file creation	ontime3	5247.0000347495	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5247.0000347495	Sum of GTIs [s]
			ontime6	5247.0000347495	Sum of GTIs [s]
			ontime7	5247.0000347495	Sum of GTIs [s]
			ontime8	5247.0000347495	Sum of GTIs [s]
			l1events	161306	Number of level 1 events

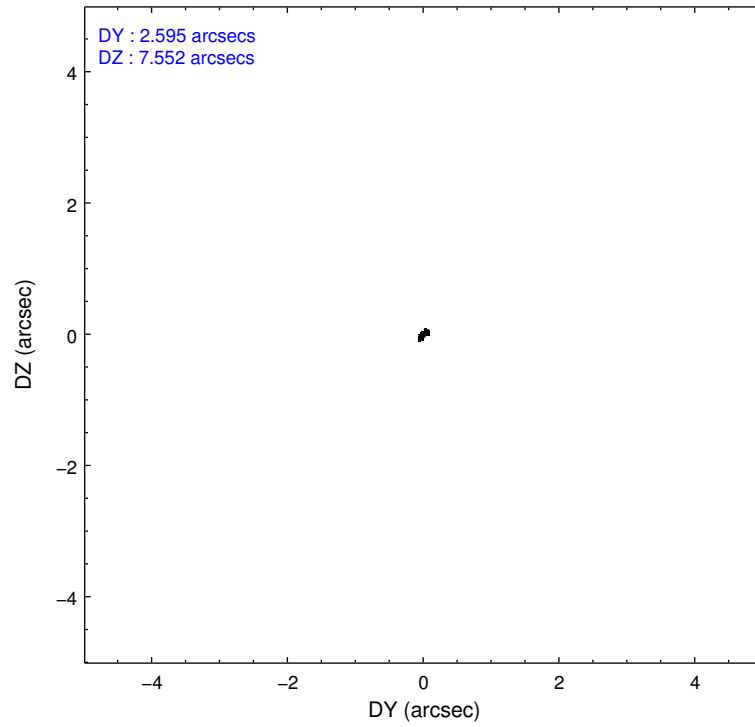
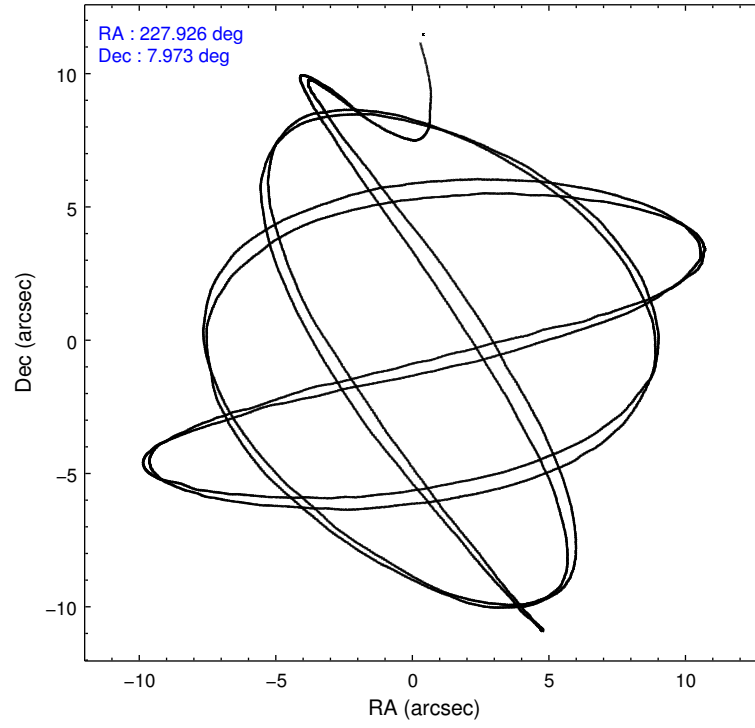
2.1.4 Events

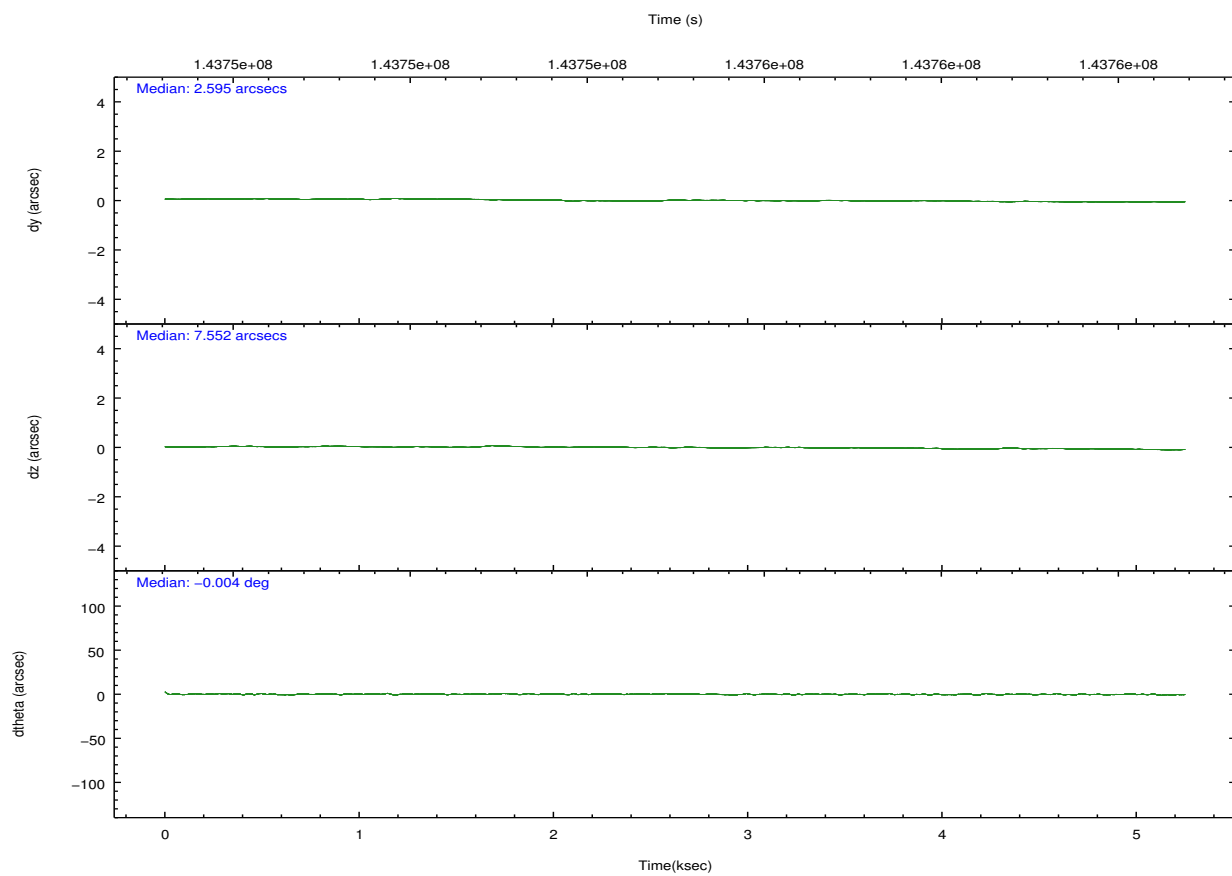
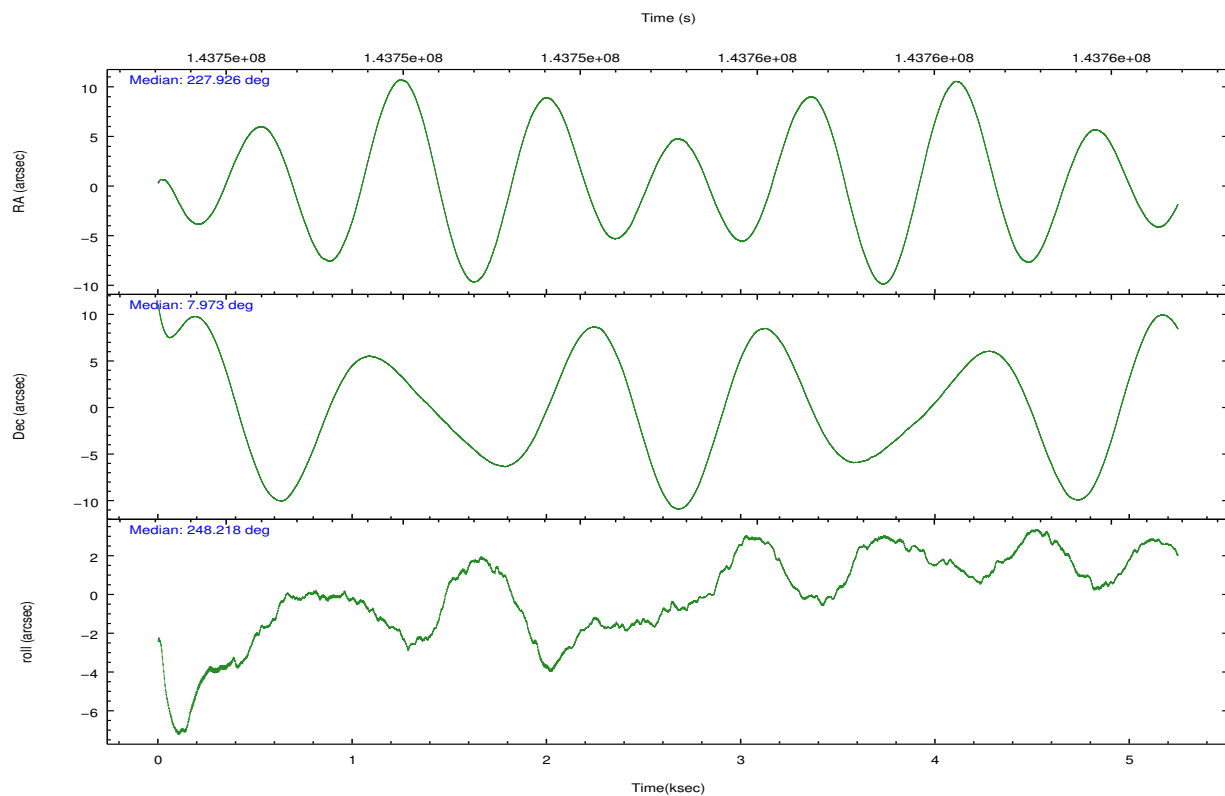
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23245	20901	32870	22619	29044	32627	grade 0 events	1908	1794	4038	1789	2002	3600
rejected events	19432	17314	15052	18885	14397	21746		8%	8%	12%	7%	6%	11%
rejected %	83%	82%	45%	83%	49%	66%	grade 1 events	11	9	75	7	39	14
								0%	0%	0%	0%	0%	0%
							grade 2 events	818	680	5172	786	3251	2147
								3%	3%	15%	3%	11%	6%
							grade 3 events	292	319	878	318	1517	1313
								1%	1%	2%	1%	5%	4%
							grade 4 events	348	297	816	320	1389	1150
								1%	1%	2%	1%	4%	3%
							grade 5 events	683	712	2090	743	2485	1032
								2%	3%	6%	3%	8%	3%
							grade 6 events	582	619	7481	650	6951	2939
								2%	2%	22%	2%	23%	9%
							grade 7 events	18603	16471	12320	18006	11410	20432
								80%	78%	37%	79%	39%	62%

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	227.922211	227.9264589929269	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	8.000348	7.973567013290658	Subarray start row	257	257
[deg] Pointing Roll	248.059561	248.2156112728982	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	143752122.184000	143751130.73625			
Observation start date	2002-07-22T19:07:38	2002-07-22T18:52:10			
[s] Observation end time (MET)	143757122.184000	143757910.08653			
Observation end date	2002-07-22T20:30:58	2002-07-22T20:45:10			
Read mode	TIMED	TIMED			

2.3 Aspect



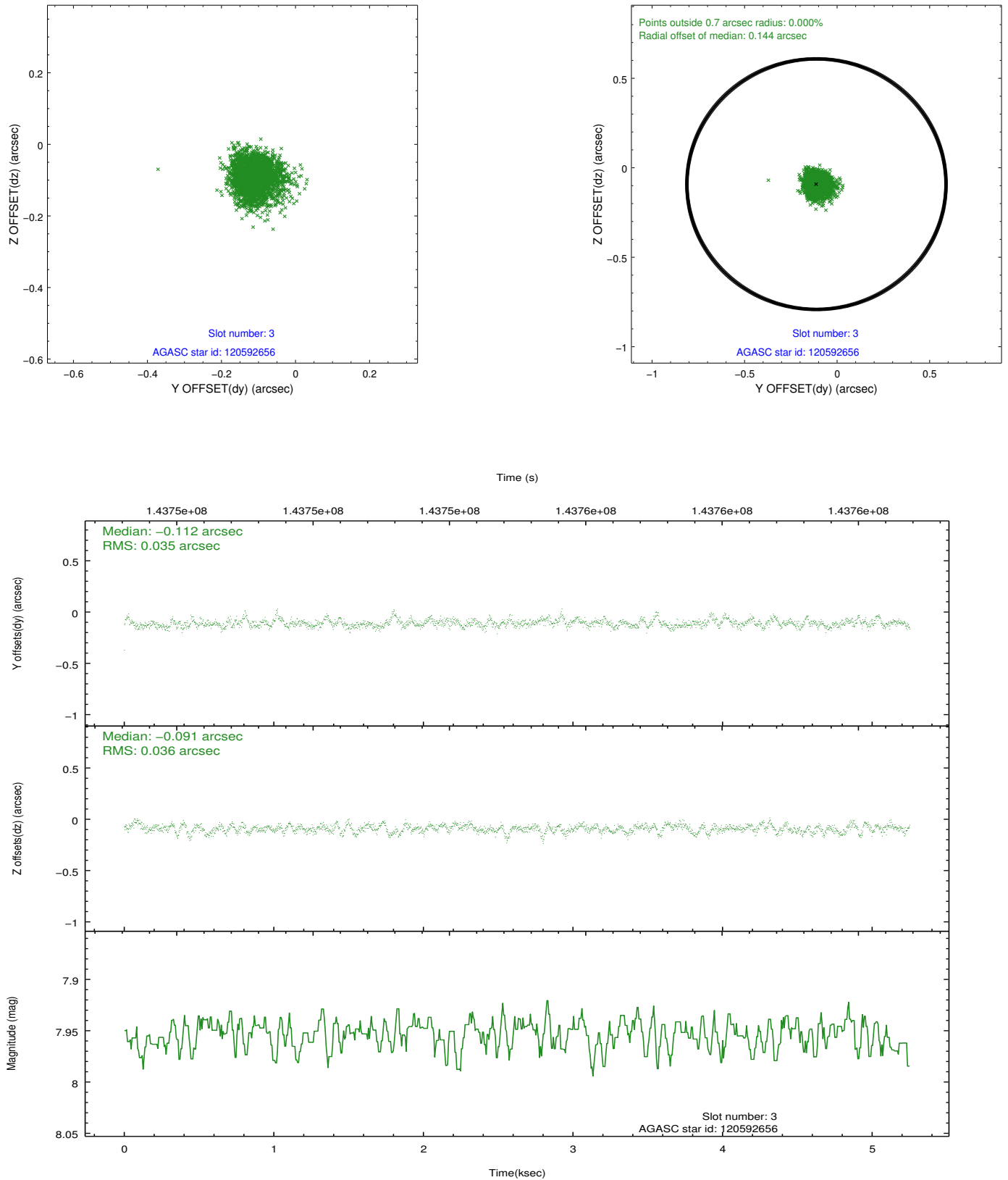


Slot Statistics

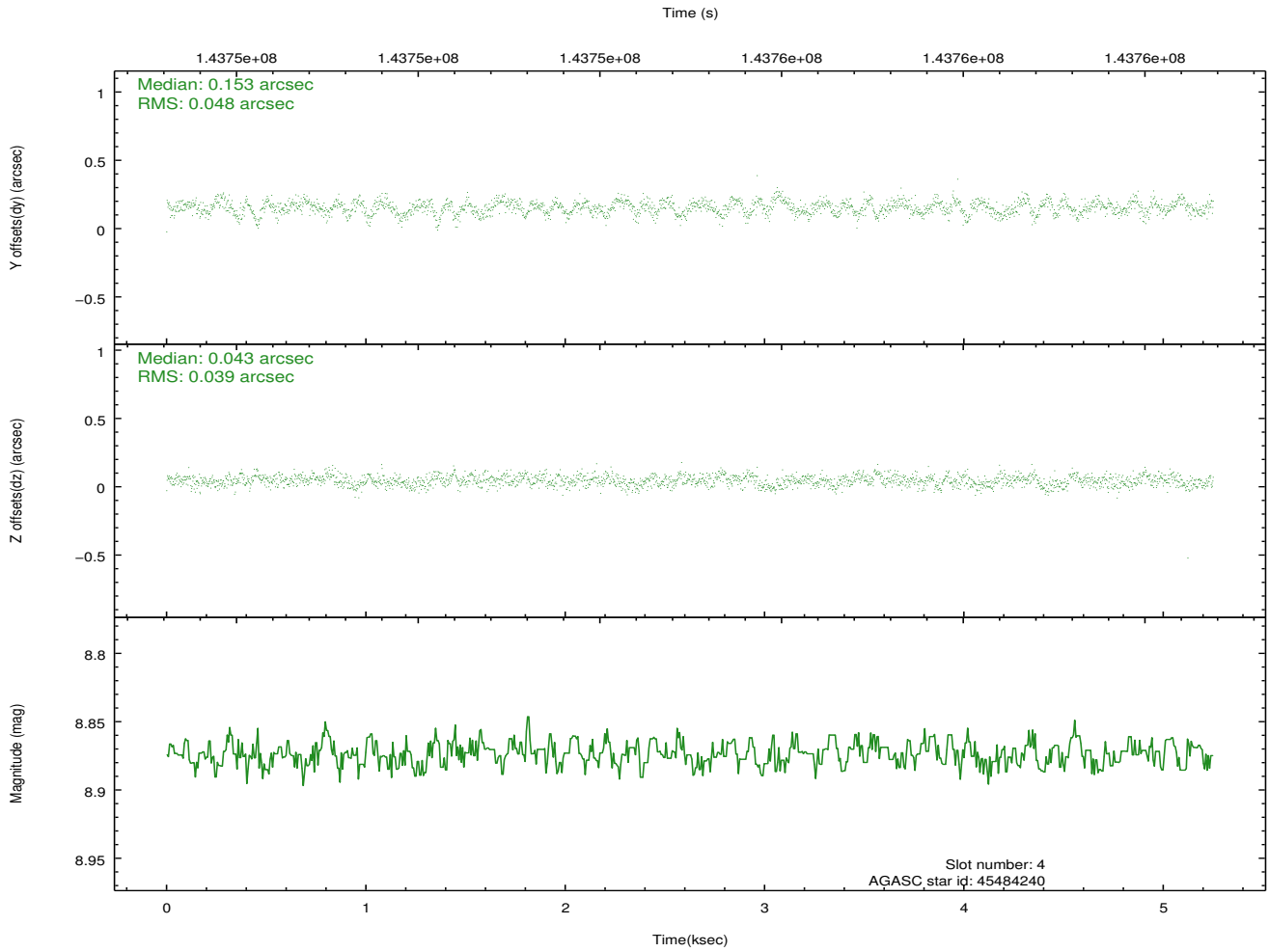
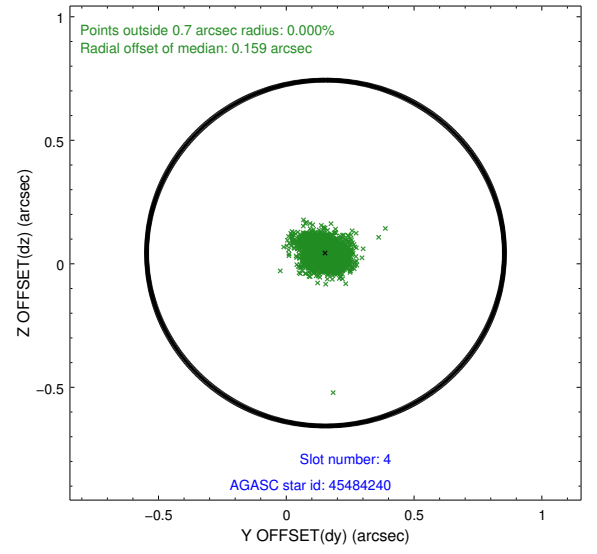
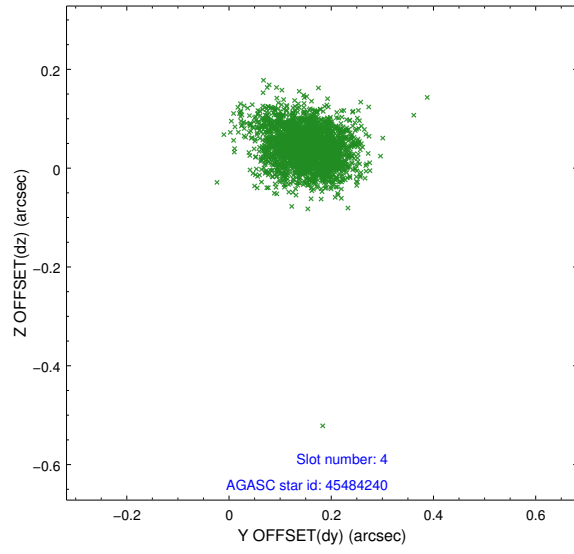
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1281	-0.007	0.008	0.007	0.011	0.000000	0.000000	-755.25	-1728.71
1	FID	ACIS-S-4	7.20	1281	-0.042	0.001	0.005	0.009	0.000000	0.000000	2157.48	178.56
2	FID	ACIS-S-5	7.23	1281	0.017	-0.000	0.006	0.010	0.000000	0.000000	-1806.57	173.57
3	GUIDE	120592656	7.95	2562	-0.112	-0.091	0.053	0.087	227.893195	8.517064	-1687.48	-790.10
4	GUIDE	45484240	8.87	2561	0.153	0.043	0.063	0.106	228.204200	7.399711	1628.33	1742.14
5	GUIDE	120599784	9.29	2562	0.023	0.012	0.078	0.130	228.281539	8.037424	-602.63	1139.53
6	GUIDE	120586728	9.37	2558	-0.009	-0.010	0.085	0.138	228.100014	8.601049	-2243.24	-219.67
7	GUIDE	120600016	9.57	2561	-0.051	0.047	0.103	0.168	228.430139	7.688520	361.85	2100.70

2.4 Star Slots

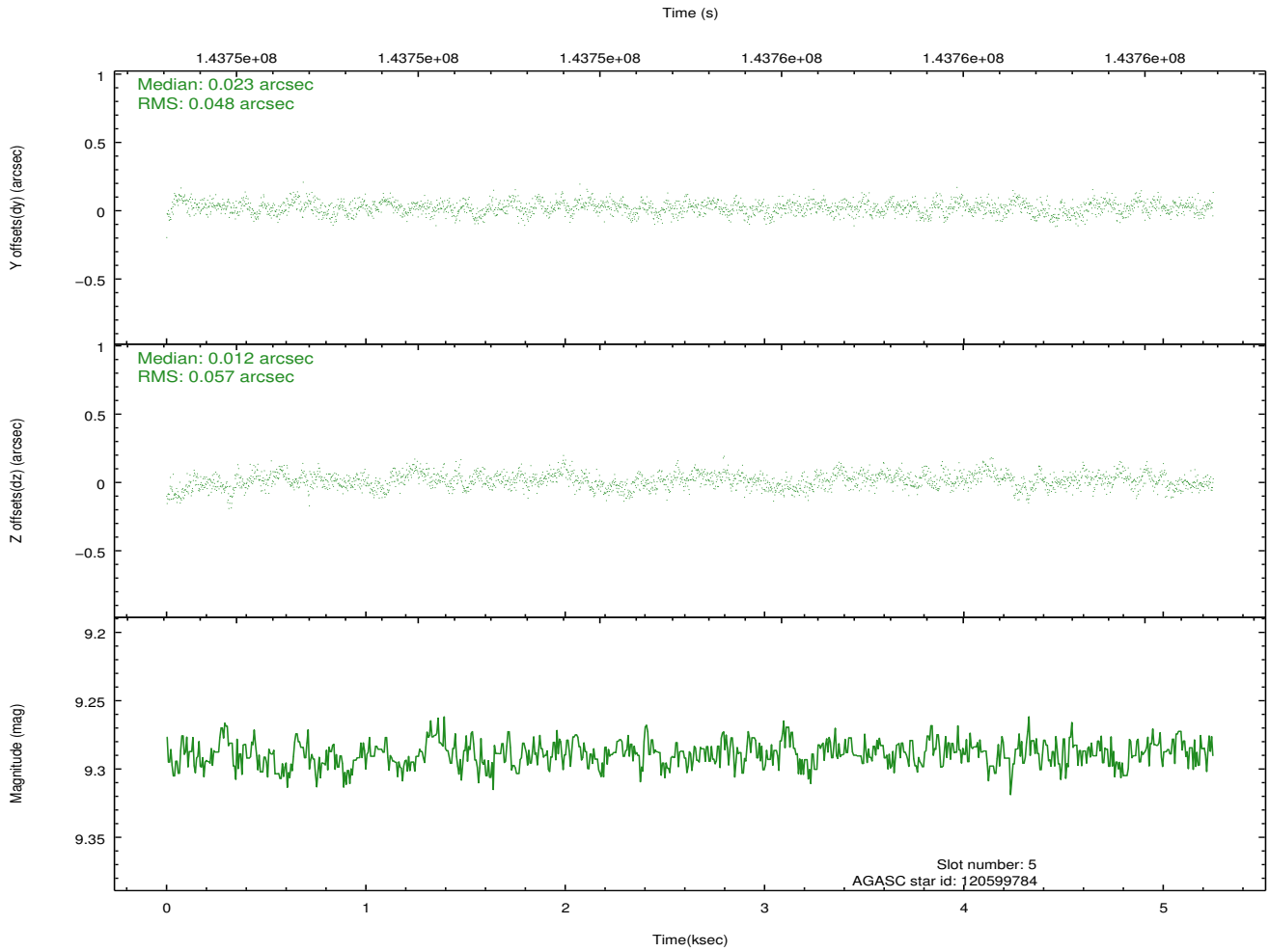
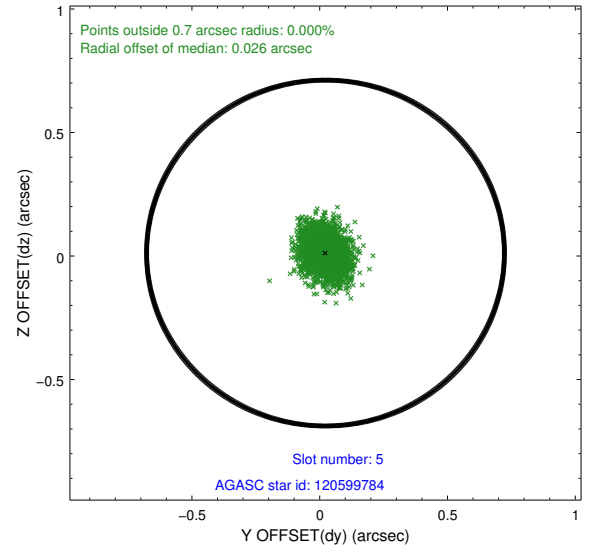
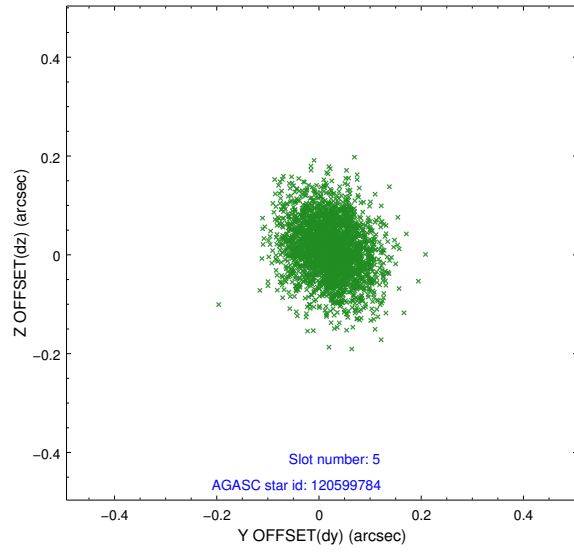
2.4.1 Slot 3



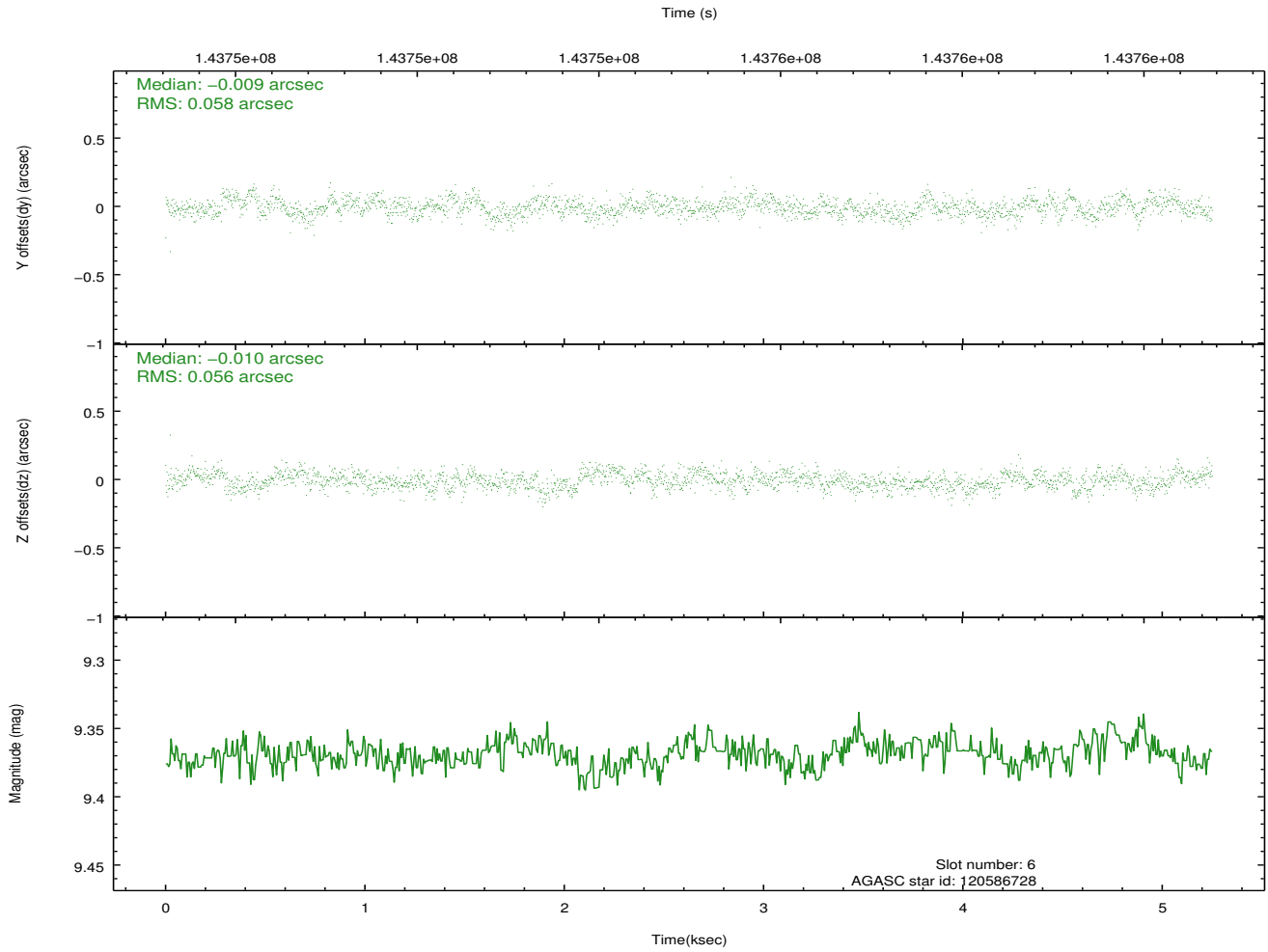
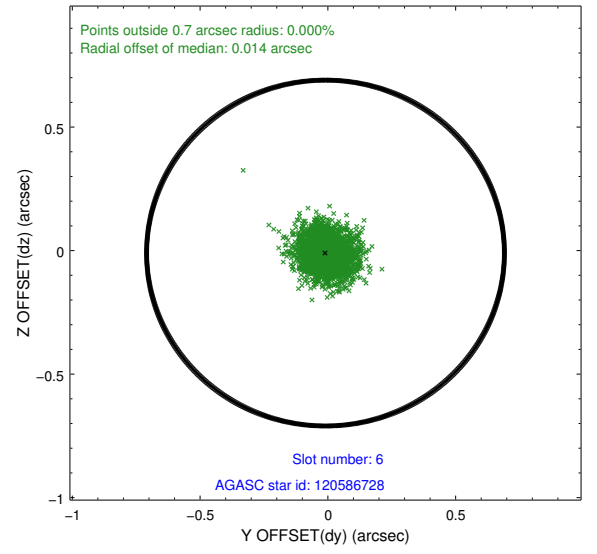
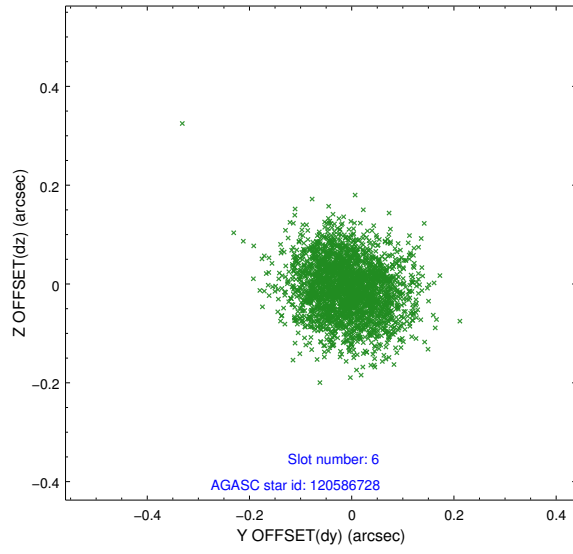
2.4.2 Slot 4



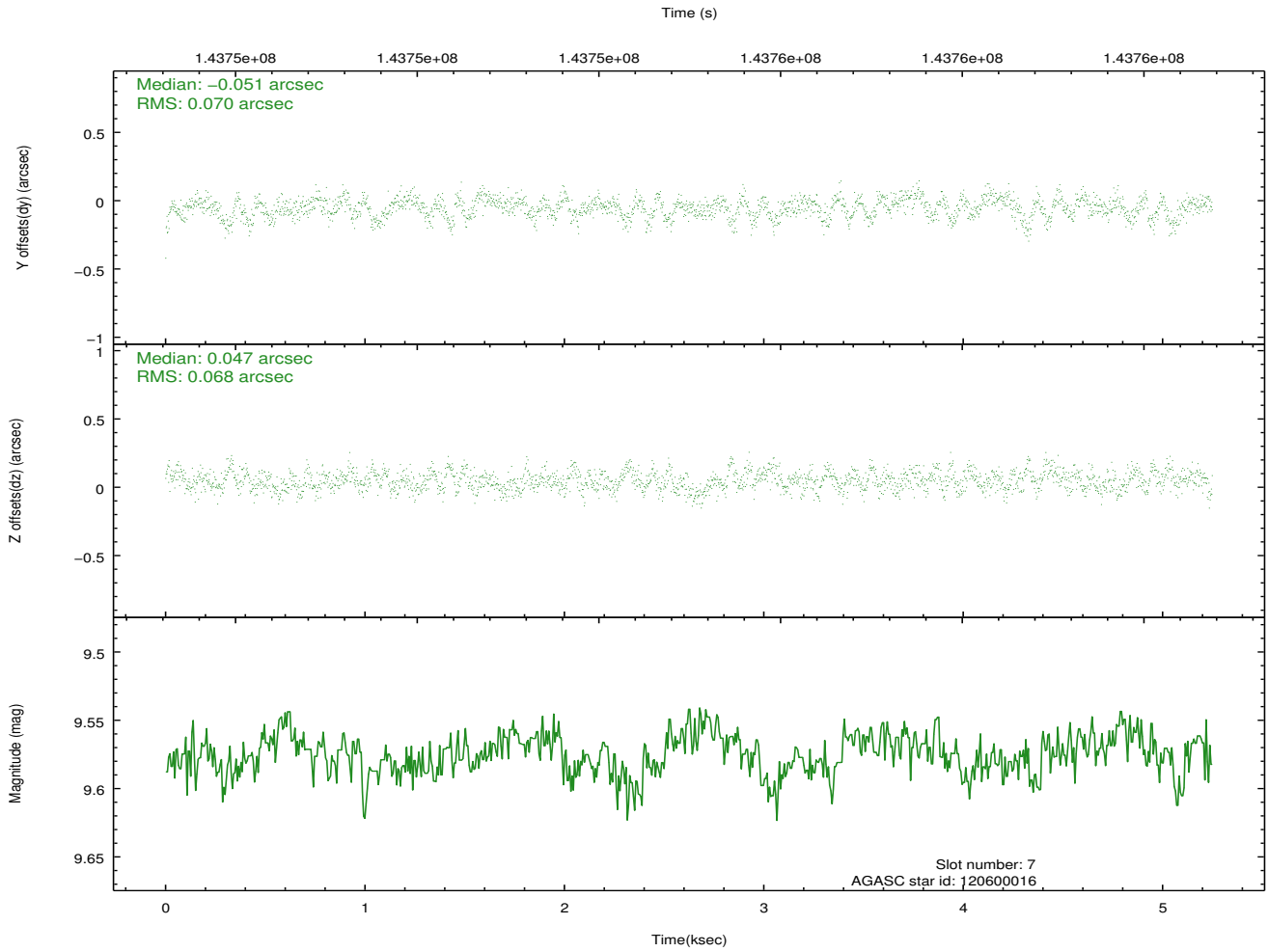
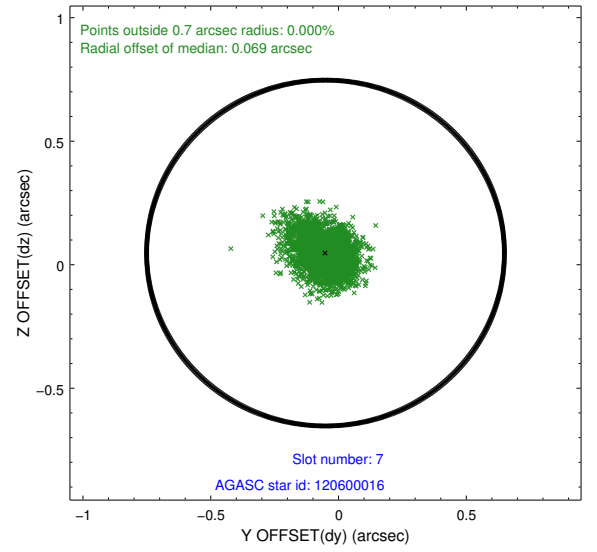
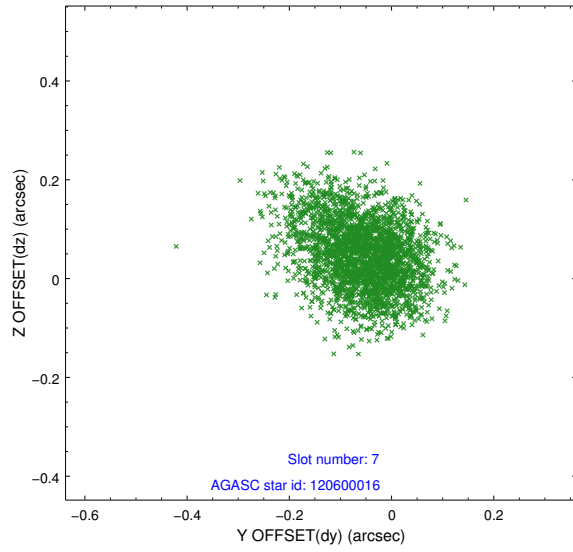
2.4.3 Slot 5



2.4.4 Slot 6

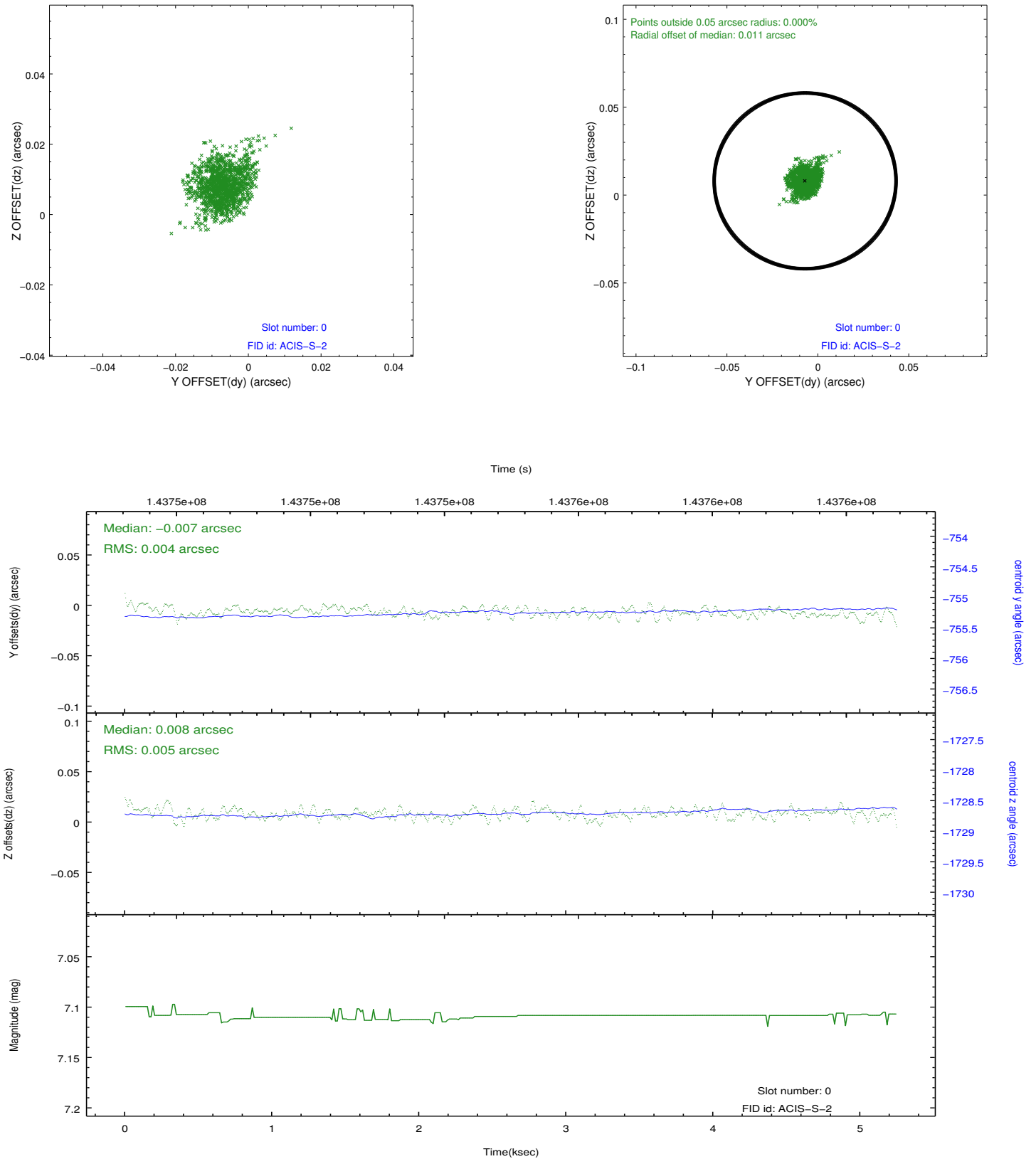


2.4.5 Slot 7

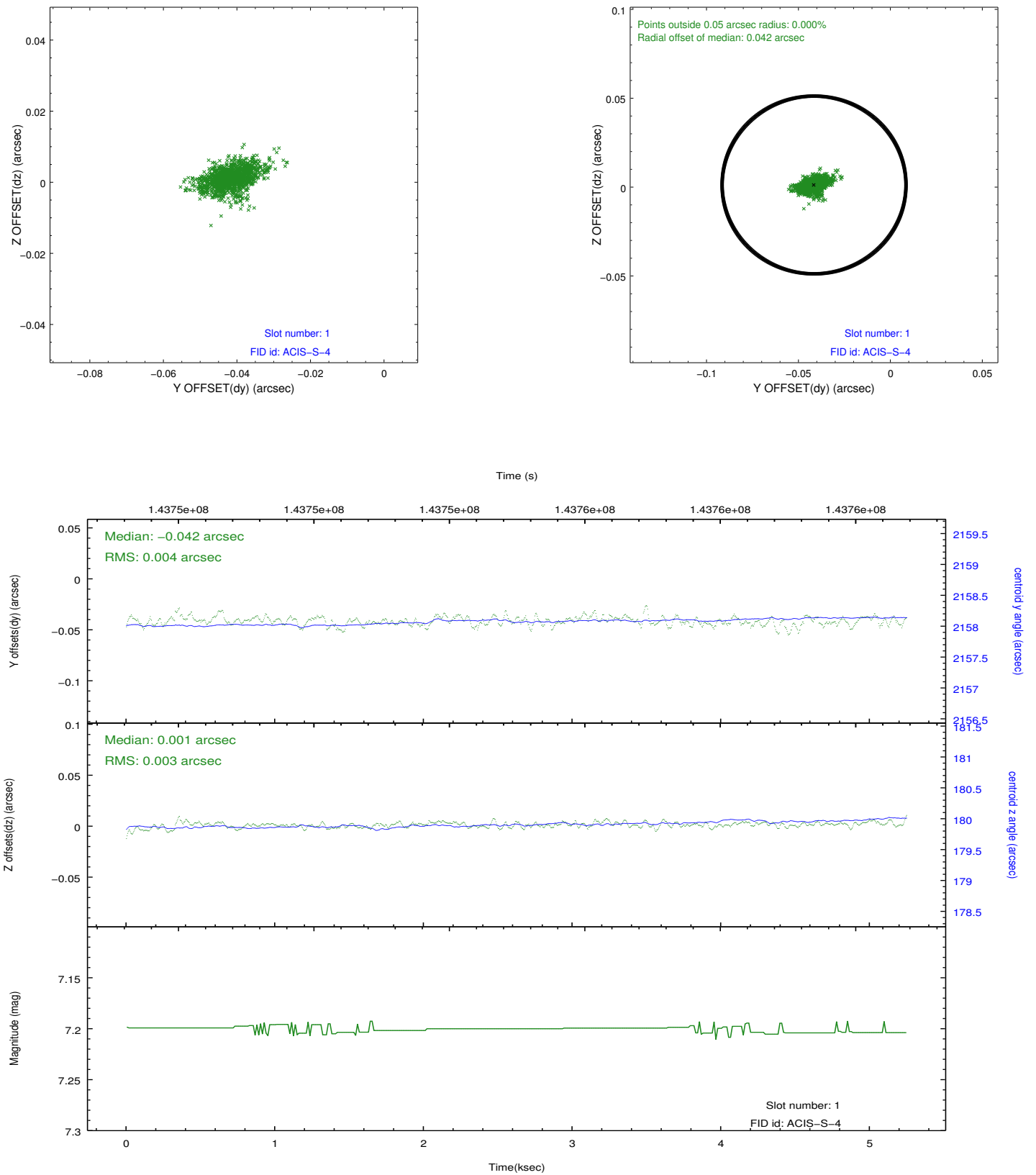


2.5 FID Slots

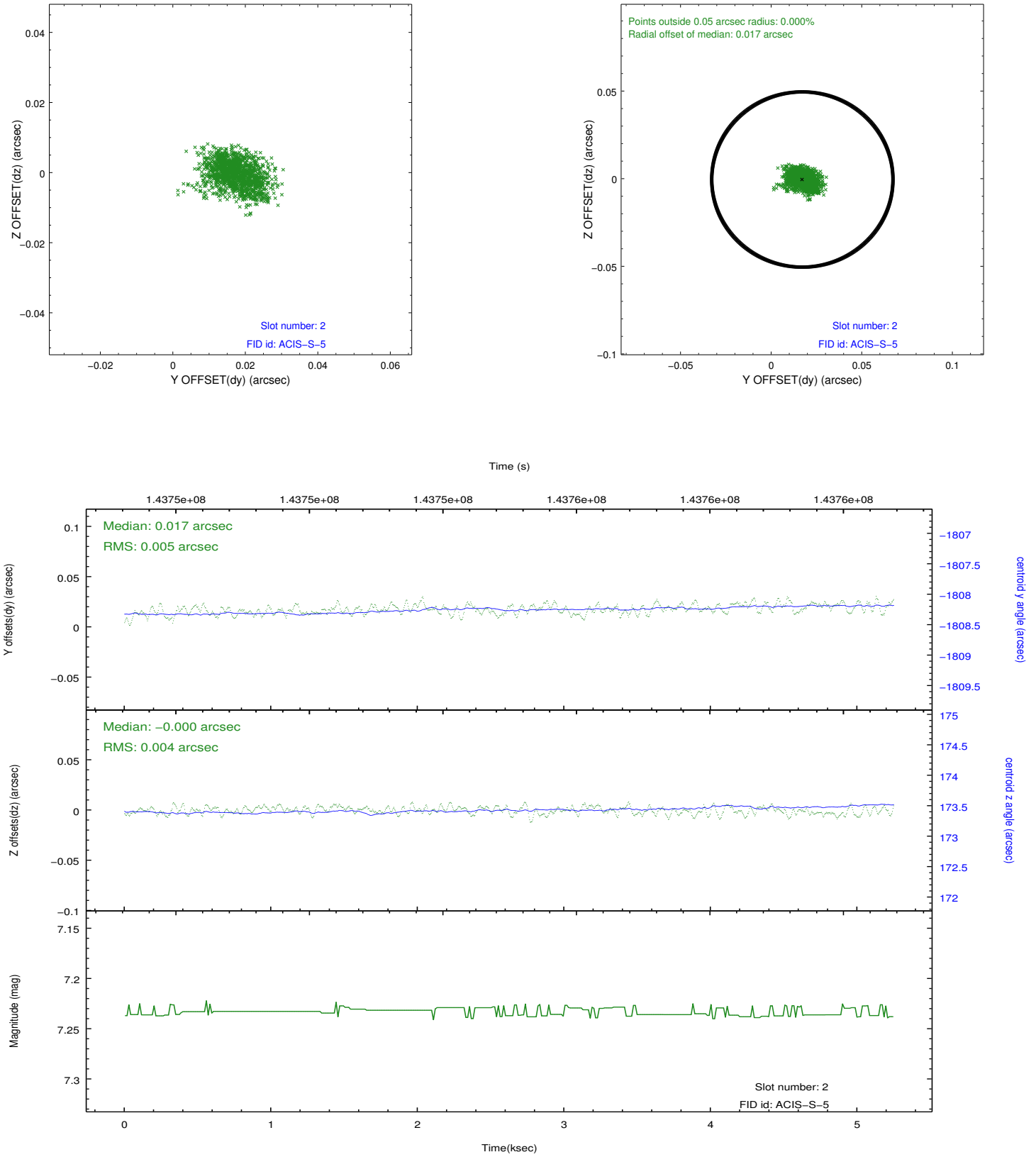
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.247

A.2 Comments

Joint proposal with NOAO.