

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3317 - L2 Version 3
Chandra X-Ray Center

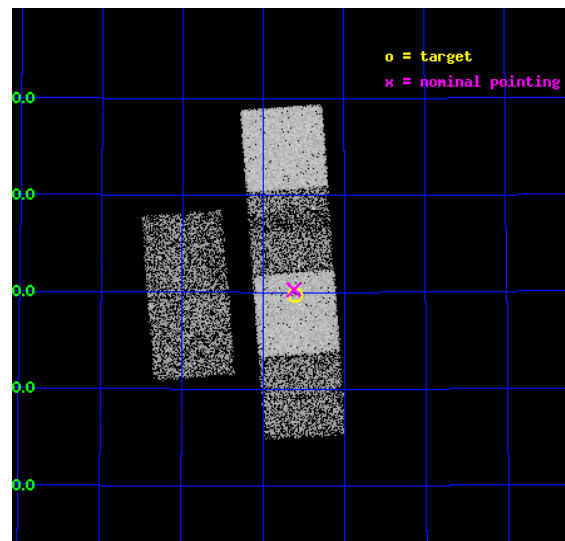
L2 Processing Date : Sep 26 2012

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1 Front

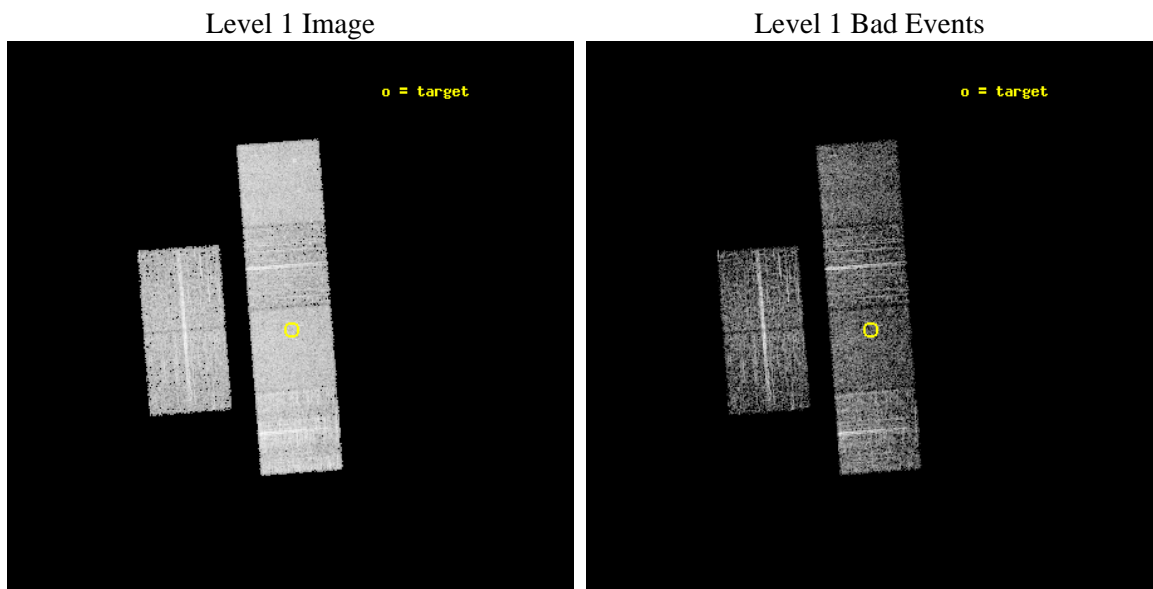
seq_num	900156	Sequence number
obs_id	3317	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0836.6+5529	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.150833	Observer's specified target RA [deg]
dec_targ	55.495	Observer's specified target Dec [deg]
ra_nom	129.15526139936	Nominal RA [deg]
dec_nom	55.504446949968	Nominal Dec [deg]
roll_nom	85.724344799529	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4252.8000039458	Sum of GTIs [s]
livetime	4198.9484895671	Livetime [s]
ontime2	4252.8000039458	Sum of GTIs [s]
ontime3	4252.7172919214	Sum of GTIs [s]
ontime5	4252.7993719131	Sum of GTIs [s]
ontime6	4252.7583319247	Sum of GTIs [s]
ontime7	4252.8000039458	Sum of GTIs [s]
ontime8	4249.4351919889	Sum of GTIs [s]
l2events	48276	Number of level 2 events



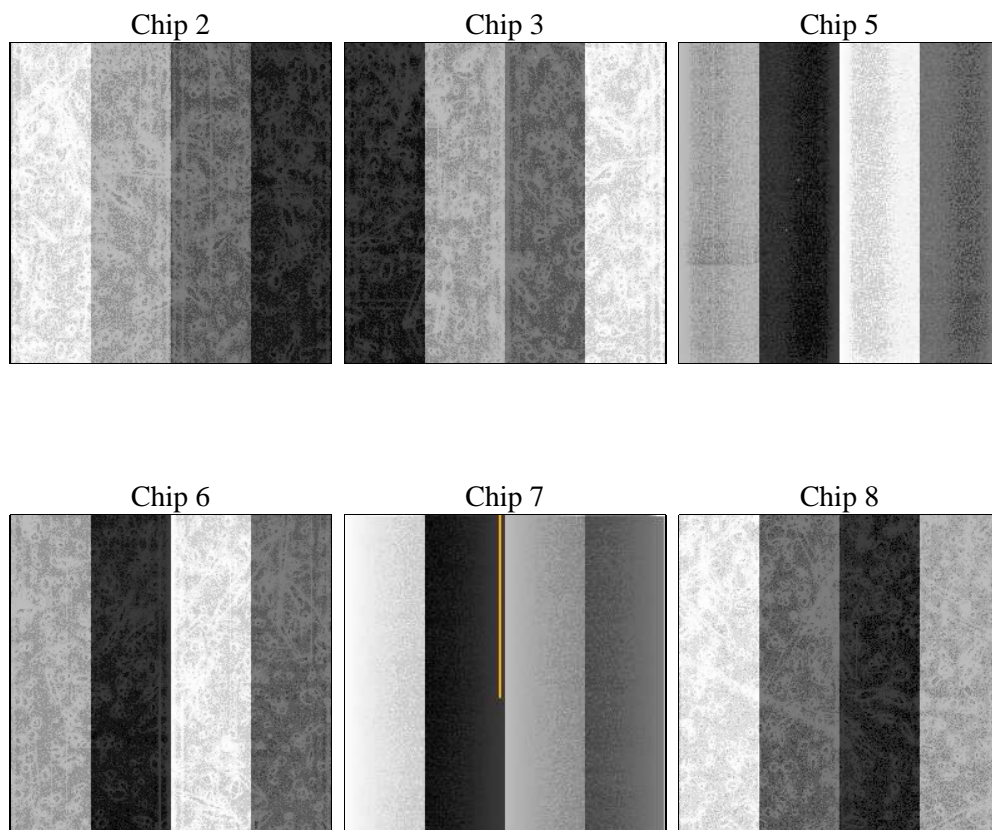
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4252.8000039458	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4252.8000039458	Sum of GTIs [s]
date	2012-09-27T01:32:51	Date and time of file creation	ontime3	4252.7172919214	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4252.7993719131	Sum of GTIs [s]
			ontime6	4252.7583319247	Sum of GTIs [s]
			ontime7	4252.8000039458	Sum of GTIs [s]
			ontime8	4249.4351919889	Sum of GTIs [s]
			l1events	208511	Number of level 1 events

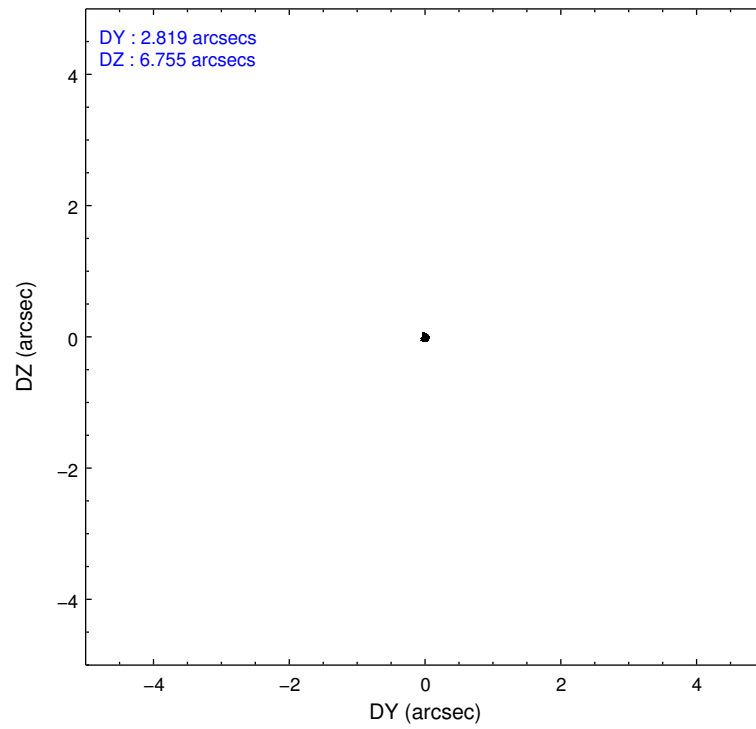
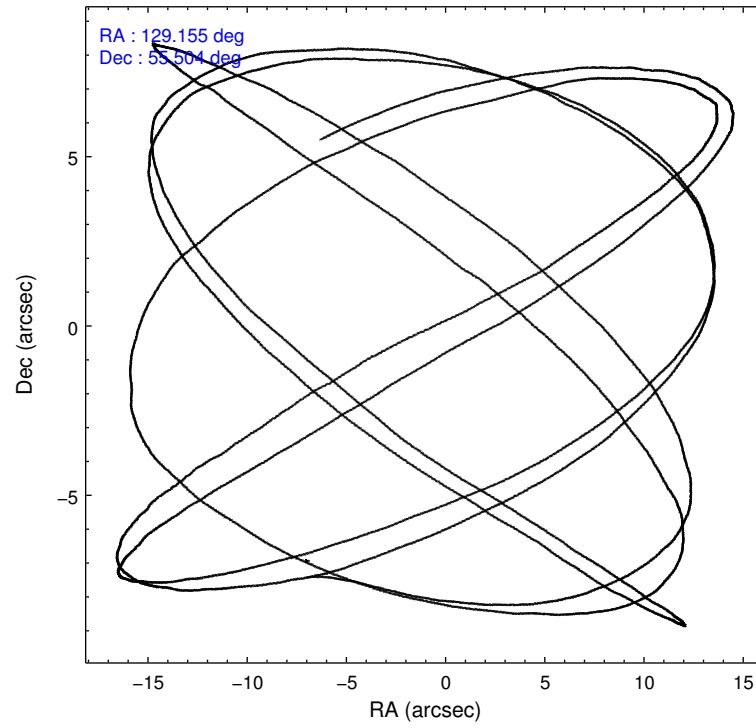
2.1.4 Events

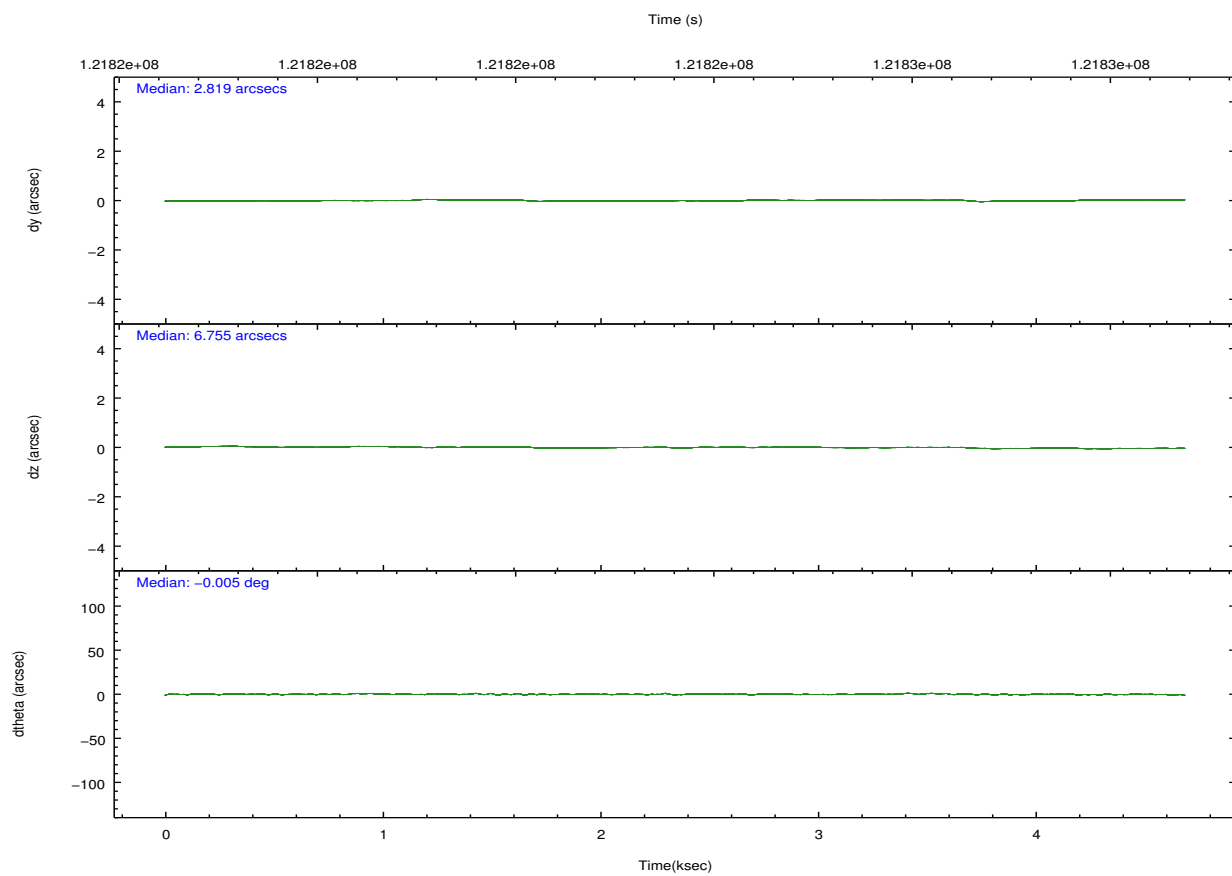
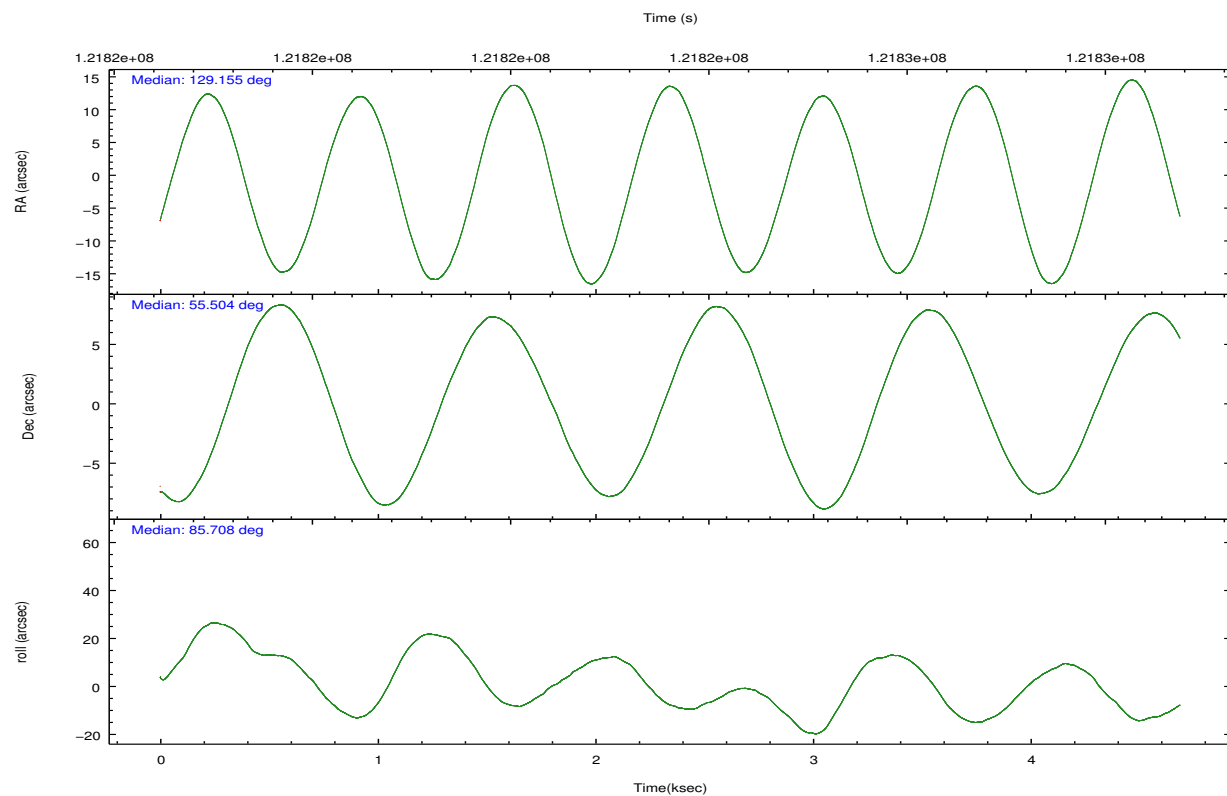
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29136	28214	39434	29187	37011	45529	grade 0 events	1774	1674	1533	1861	1616	4503
rejected events	25086	24122	21092	24888	20717	31575		6%	5%	3%	6%	4%	9%
rejected %	86%	85%	53%	85%	55%	69%	grade 1 events	15	9	42	15	36	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	945	1029	5577	982	3152	2565
								3%	3%	14%	3%	8%	5%
							grade 3 events	268	293	830	351	1468	1983
								0%	1%	2%	1%	3%	4%
							grade 4 events	314	329	768	339	1422	1806
								1%	1%	1%	1%	3%	3%
							grade 5 events	914	1034	2792	1134	3370	1498
								3%	3%	7%	3%	9%	3%
							grade 6 events	754	773	9665	772	8659	3147
								2%	2%	24%	2%	23%	6%
							grade 7 events	24152	23073	18227	23733	17288	29973
								82%	81%	46%	81%	46%	65%

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	129.176507	129.1552613993593	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.480005	55.50444694996796	Alternating exposures requested	N	N
[deg] Pointing Roll	85.550218	85.72434479952899	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	121822647.184000	121822271.13537			
Observation start date	2001-11-10T23:36:23	2001-11-10T23:31:11			
[s] Observation end time (MET)	121827147.184000	121827625.73558			
Observation end date	2001-11-11T00:51:23	2001-11-11T01:00:25			
Read mode	TIMED	TIMED			

2.3 Aspect



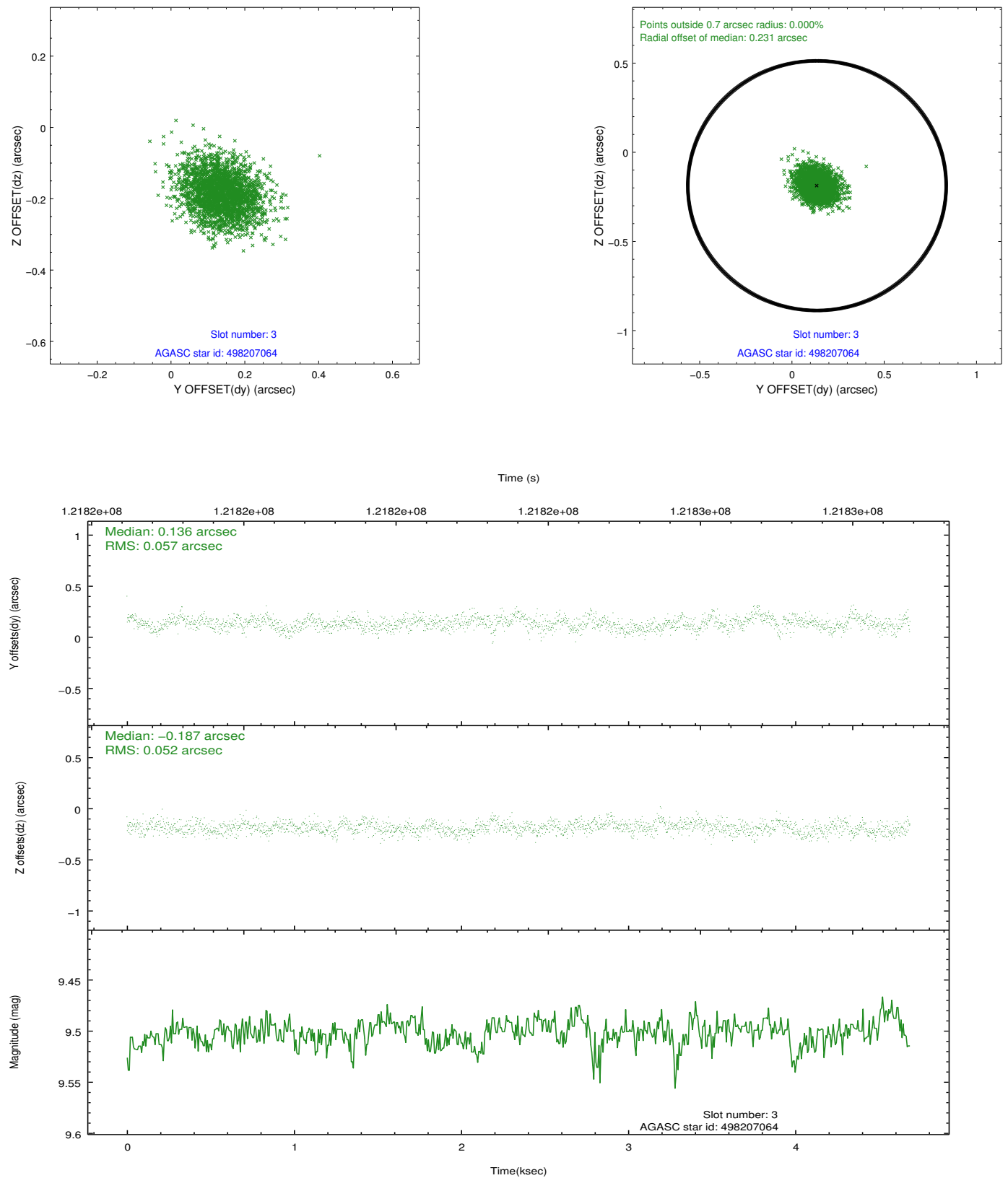


Slot Statistics

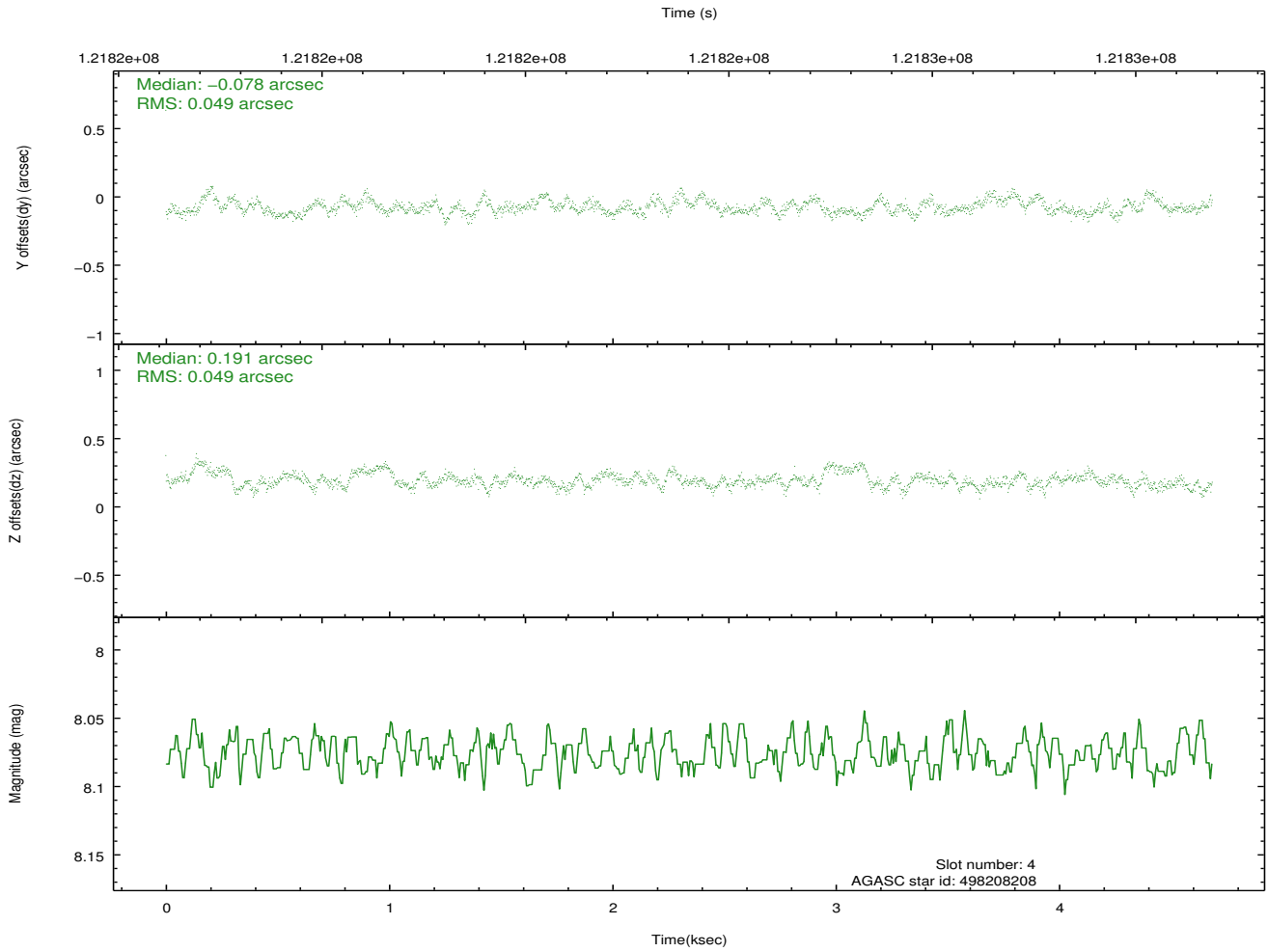
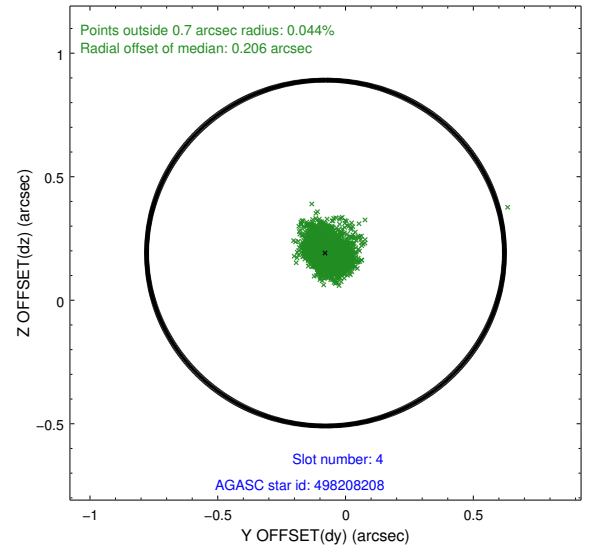
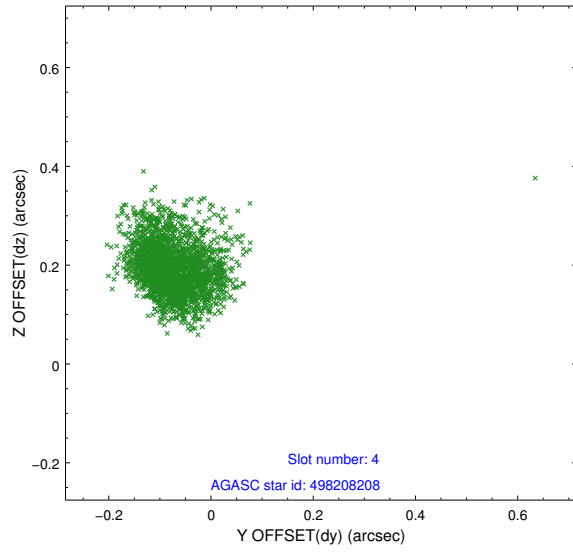
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1144	-0.021	0.014	0.007	0.011	0.000000	0.000000	-755.46	-1727.90
1	FID	ACIS-S-4	7.20	1144	-0.036	0.007	0.005	0.009	0.000000	0.000000	2157.19	179.25
2	FID	ACIS-S-5	7.24	1144	0.026	-0.012	0.007	0.012	0.000000	0.000000	-1806.59	174.36
3	GUIDE	498207064	9.50	2284	0.136	-0.187	0.083	0.134	129.027738	55.651865	595.52	348.70
4	GUIDE	498208208	8.08	2286	-0.078	0.191	0.071	0.119	130.175717	55.667734	847.55	-1968.59
5	GUIDE	498206776	9.19	2287	-0.063	0.175	0.084	0.136	130.185581	55.785525	1272.30	-1950.69
6	GUIDE	498206320	7.72	2287	-0.048	0.127	0.056	0.090	129.264284	55.839214	1305.45	-77.50
7	GUIDE	498083896	9.80	2272	0.056	-0.307	0.151	0.275	128.146499	55.546750	94.11	2110.28

2.4 Star Slots

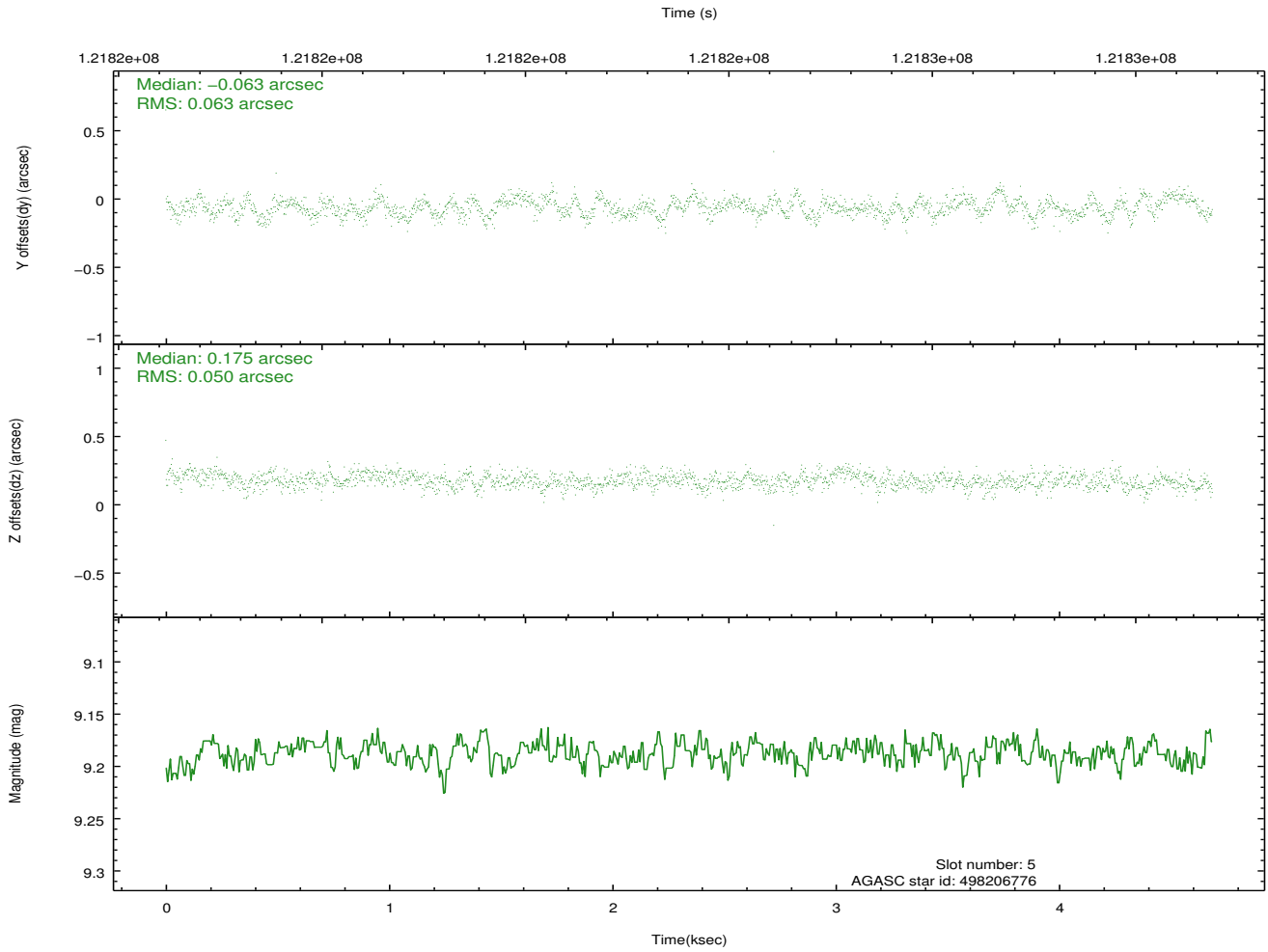
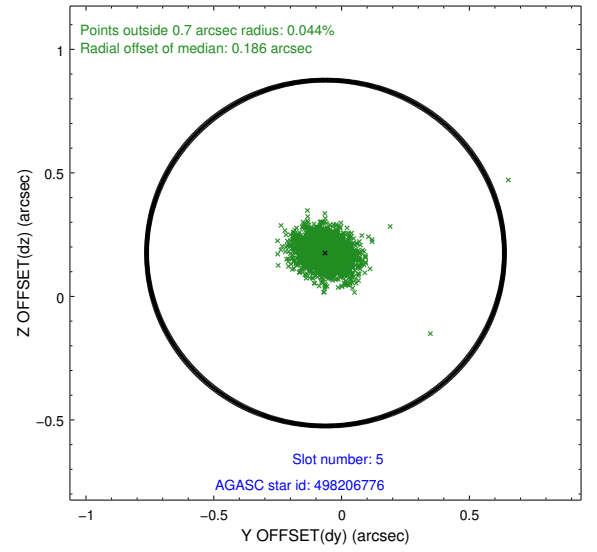
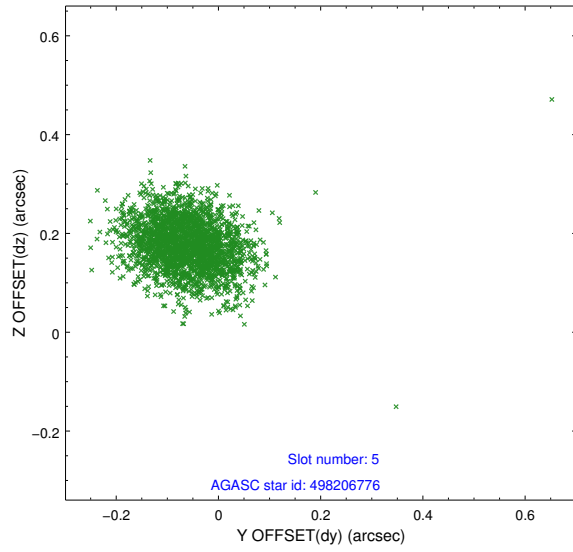
2.4.1 Slot 3



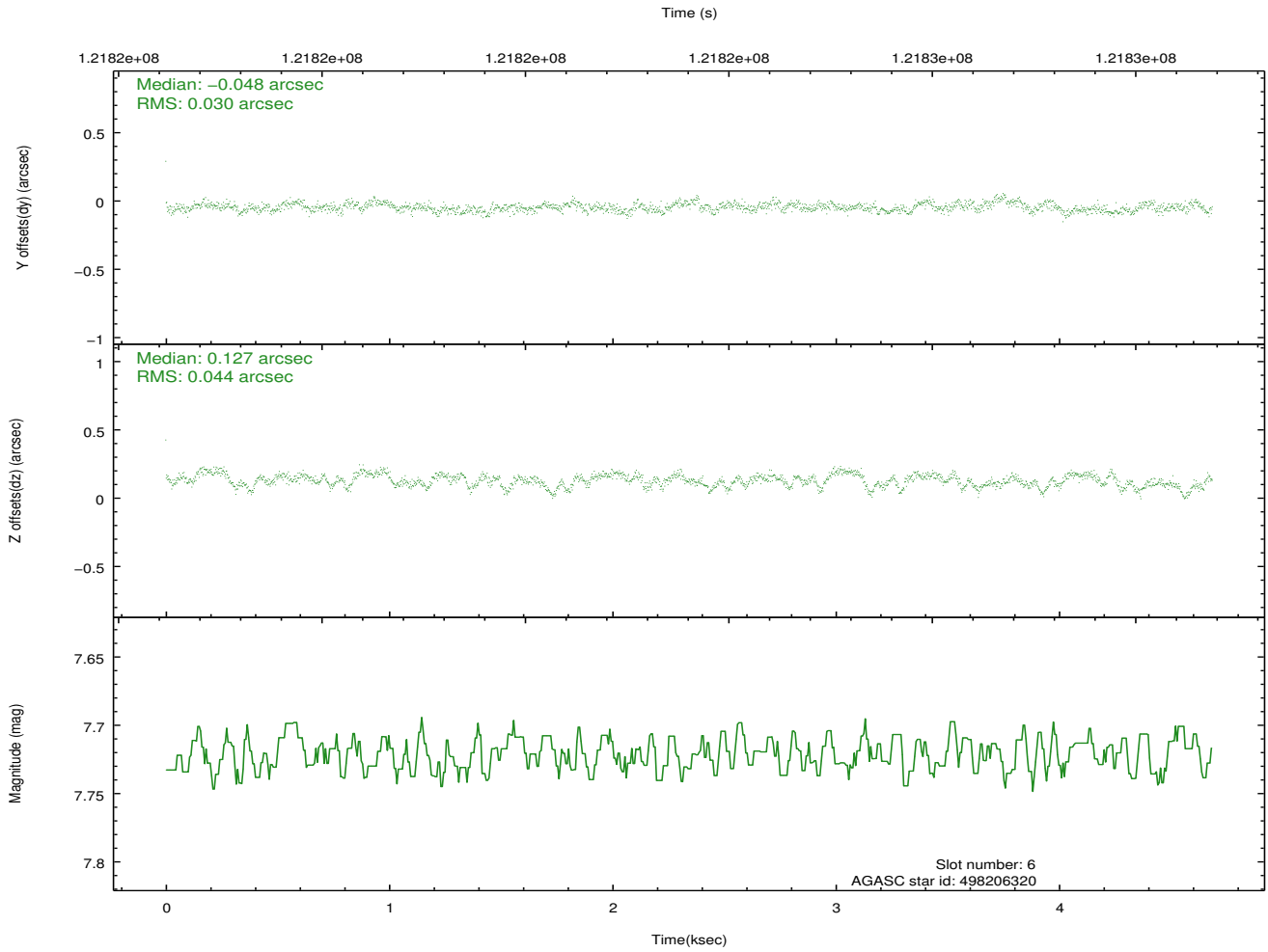
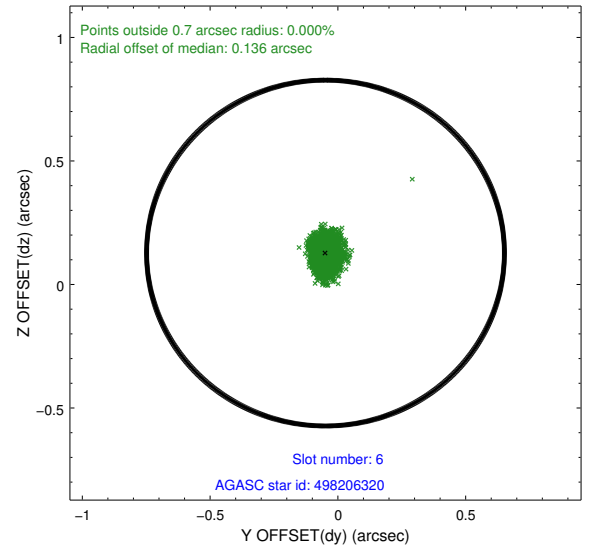
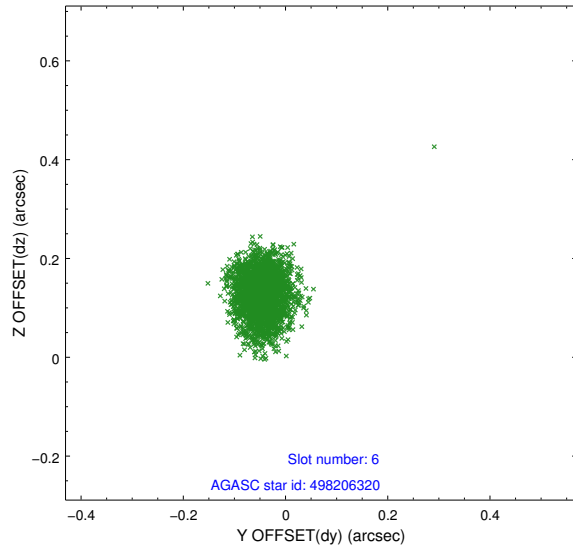
2.4.2 Slot 4



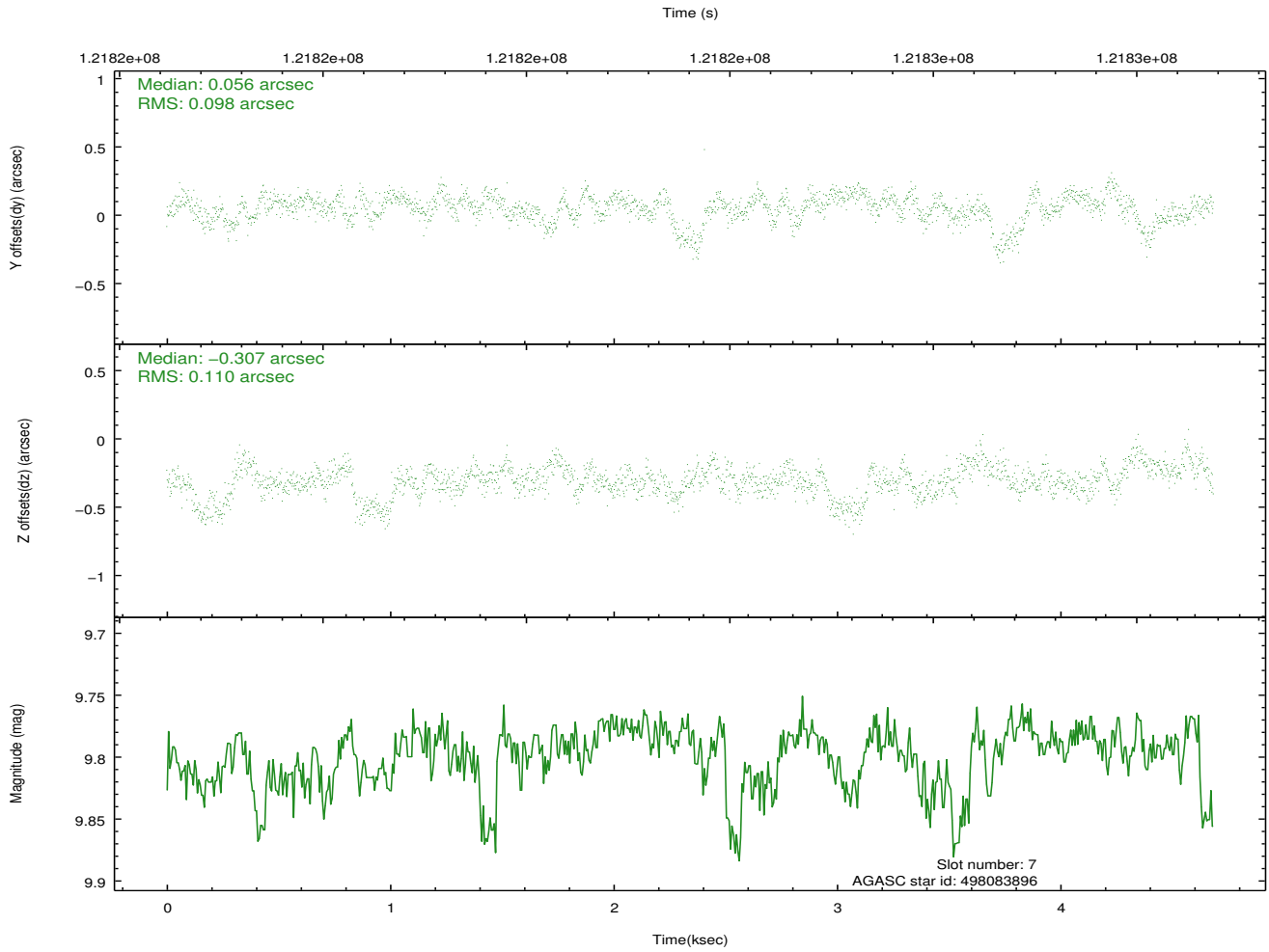
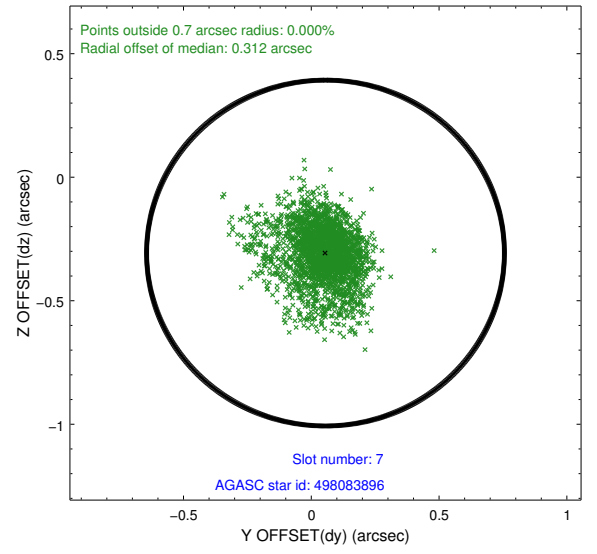
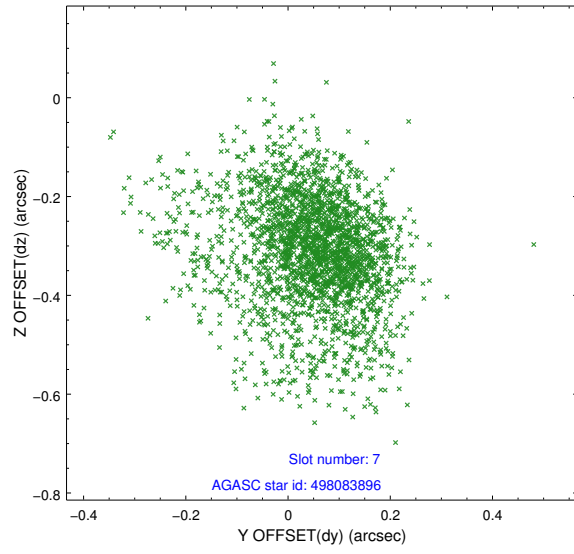
2.4.3 Slot 5



2.4.4 Slot 6

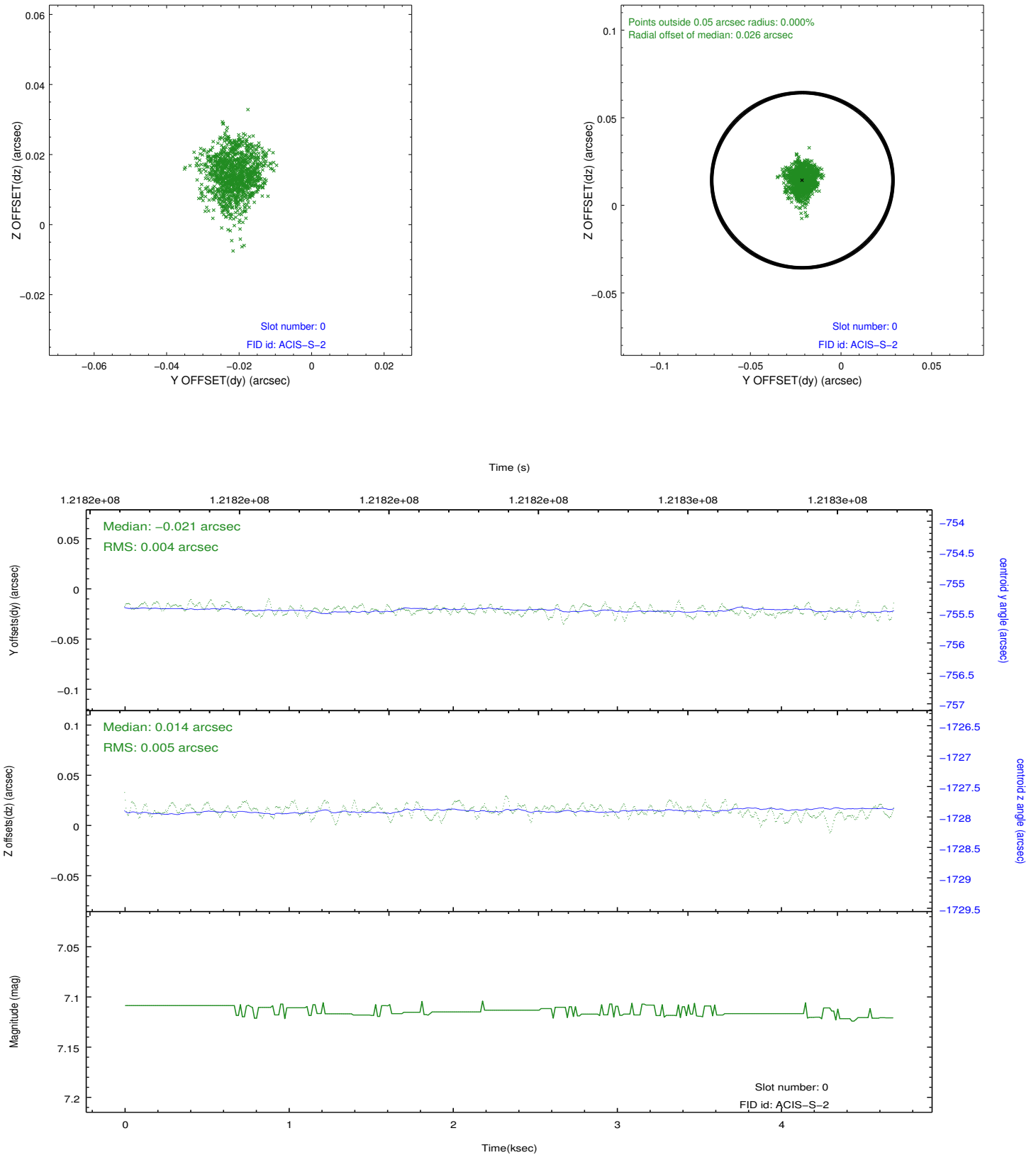


2.4.5 Slot 7

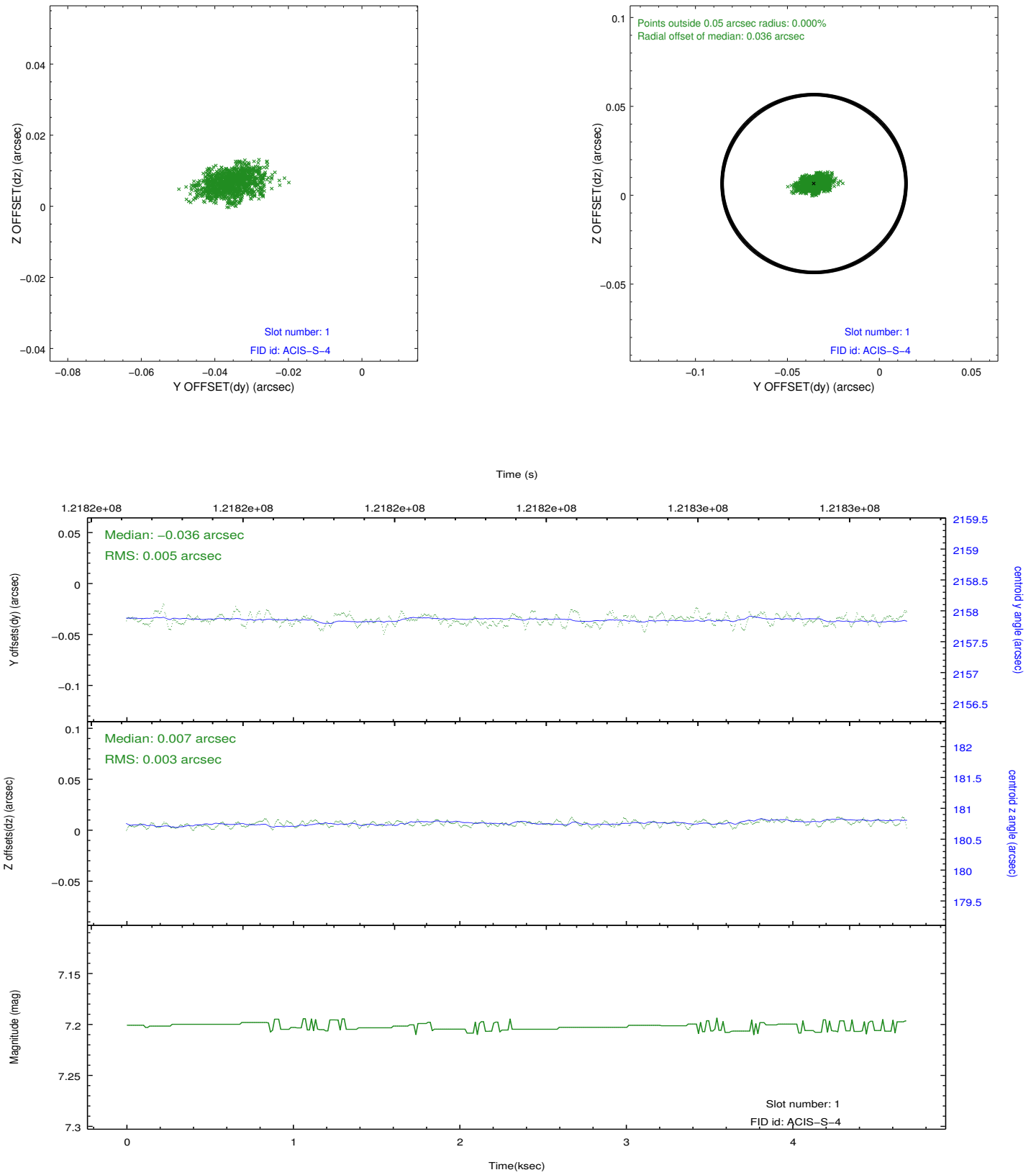


2.5 FID Slots

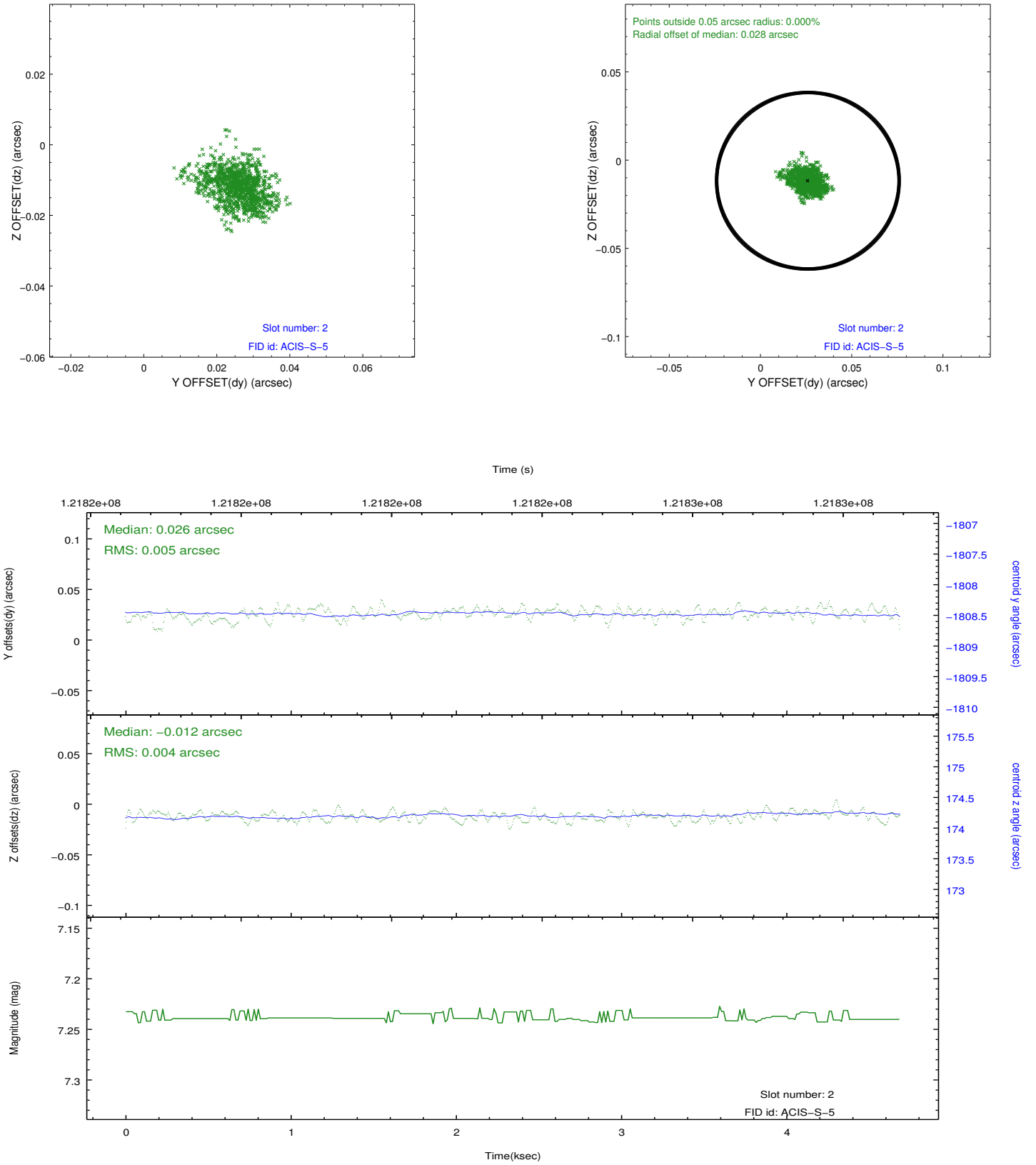
2.5.1 Slot 0



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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.256

A.2 Comments

Joint proposal with NOAO.