

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3322 - L2 Version 3
Chandra X-Ray Center

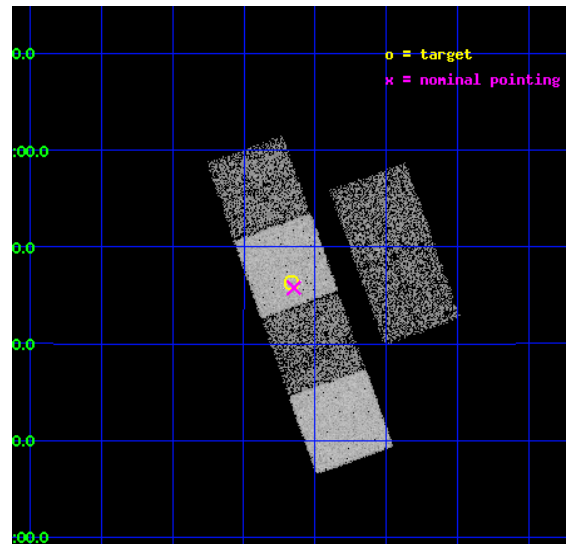
L2 Processing Date : Oct 11 2012

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1 Front

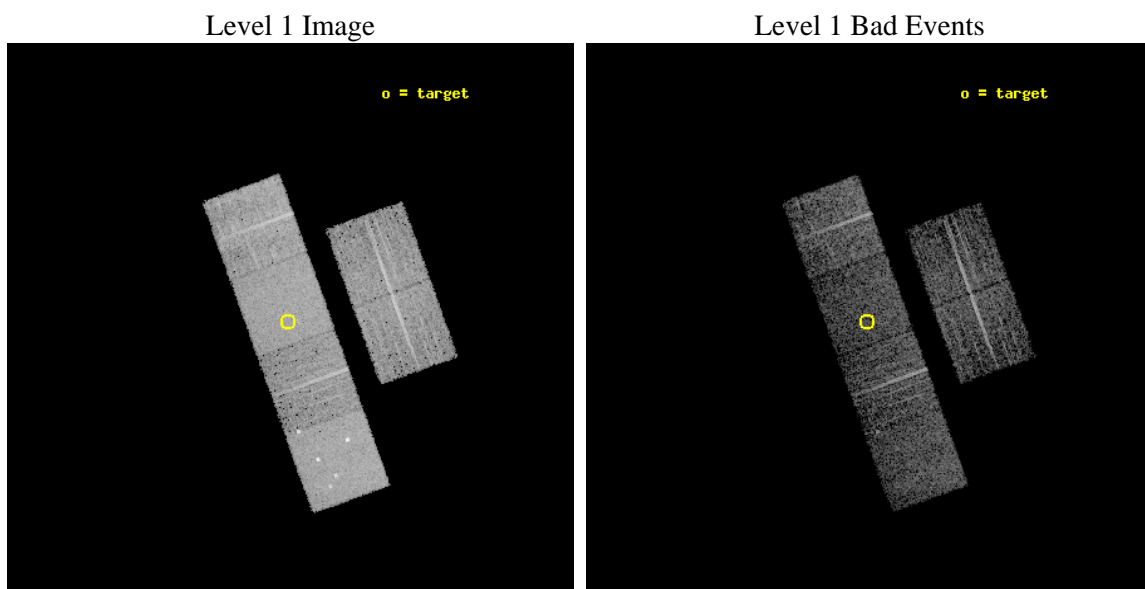
seq_num	900161	Sequence number
obs_id	3322	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1218.6+0546	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.667083	Observer's specified target RA [deg]
dec_targ	5.771389	Observer's specified target Dec [deg]
ra_nom	184.66216099783	Nominal RA [deg]
dec_nom	5.7629787414492	Nominal Dec [deg]
roll_nom	250.22245914185	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4655.999982655	Sum of GTIs [s]
livetime	4597.0429073681	Livetime [s]
ontime2	4655.999982655	Sum of GTIs [s]
ontime3	4655.999982655	Sum of GTIs [s]
ontime5	4655.999982655	Sum of GTIs [s]
ontime6	4655.999982655	Sum of GTIs [s]
ontime7	4655.999982655	Sum of GTIs [s]
ontime8	4652.7590224147	Sum of GTIs [s]
l2events	58915	Number of level 2 events



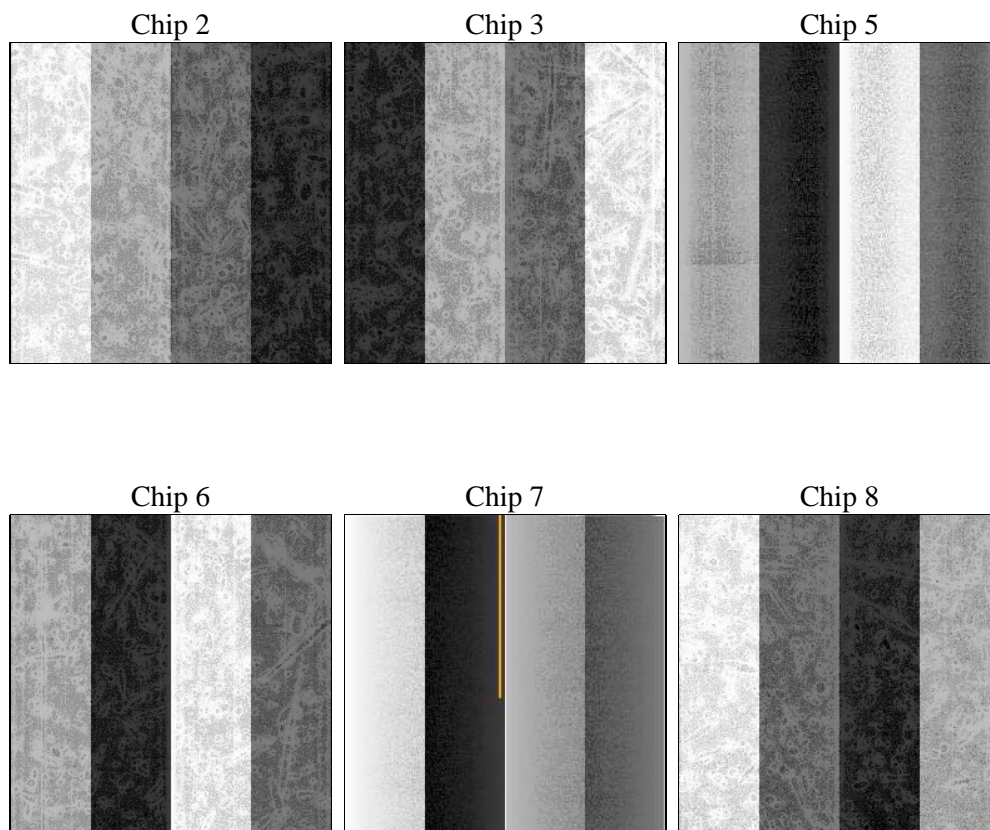
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4655.999982655	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4655.999982655	Sum of GTIs [s]
date	2012-10-11T15:44:23	Date and time of file creation	ontime3	4655.999982655	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4655.999982655	Sum of GTIs [s]
			ontime6	4655.999982655	Sum of GTIs [s]
			ontime7	4655.999982655	Sum of GTIs [s]
			ontime8	4652.7590224147	Sum of GTIs [s]
			l1events	229694	Number of level 1 events

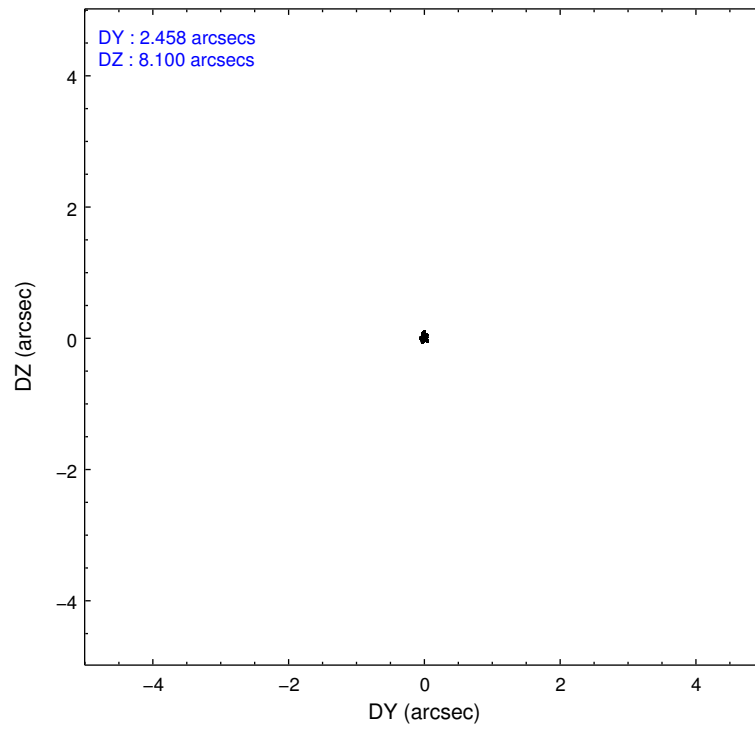
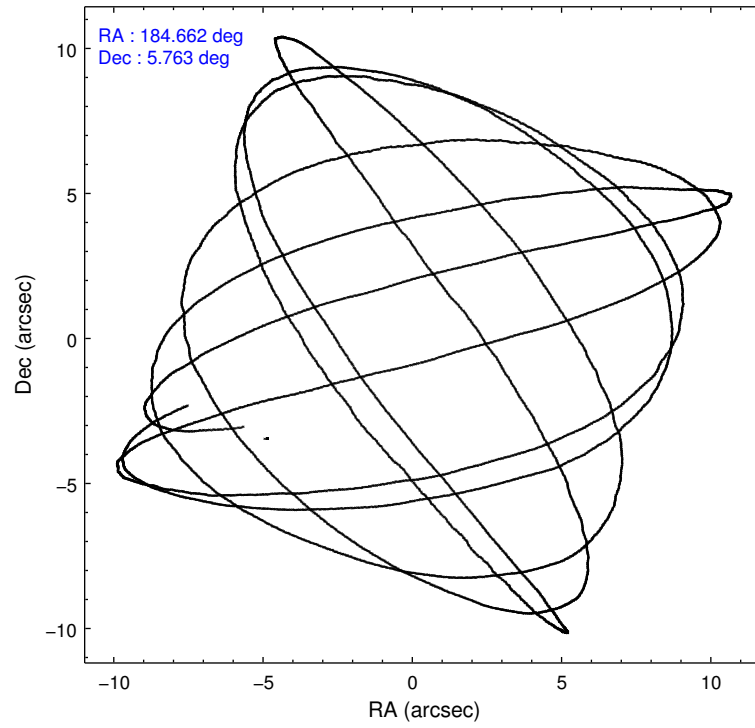
2.1.4 Events

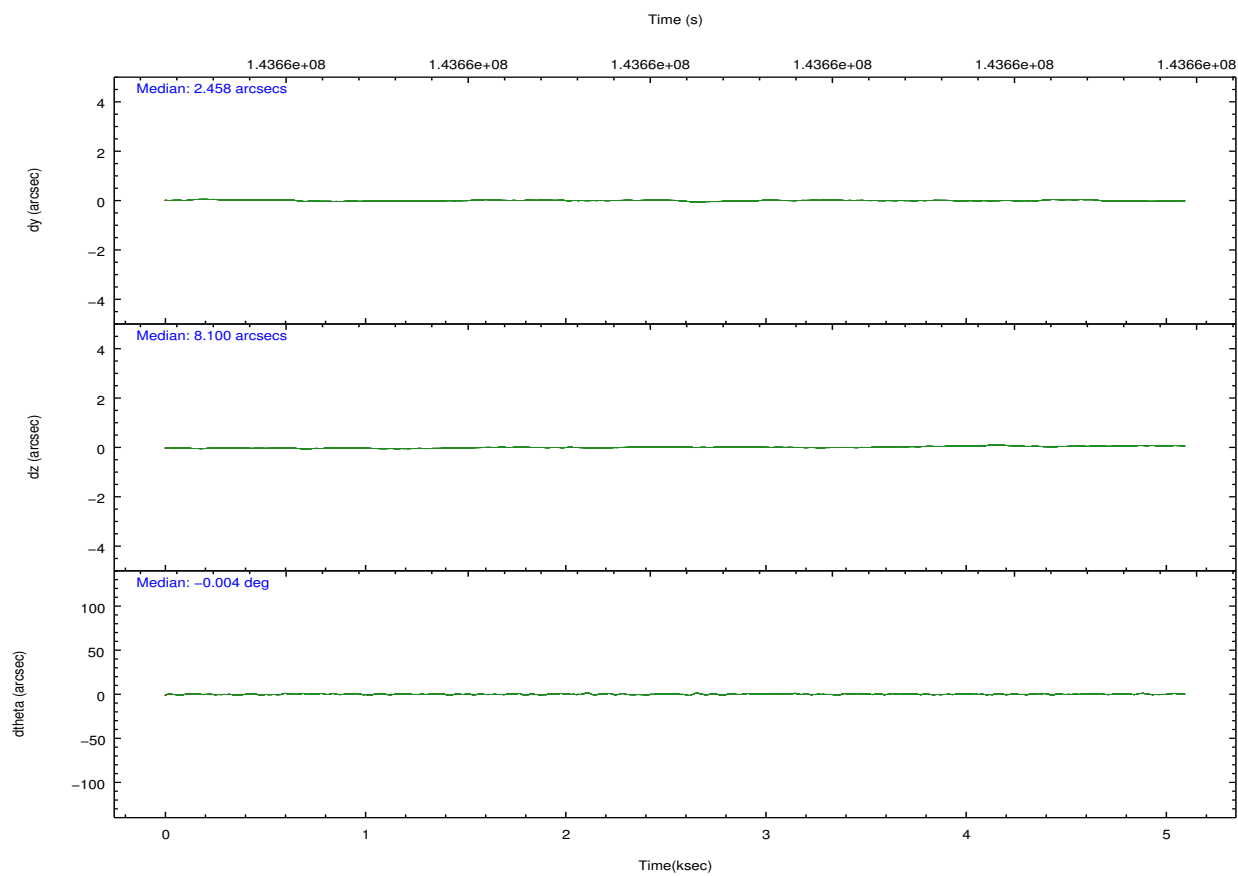
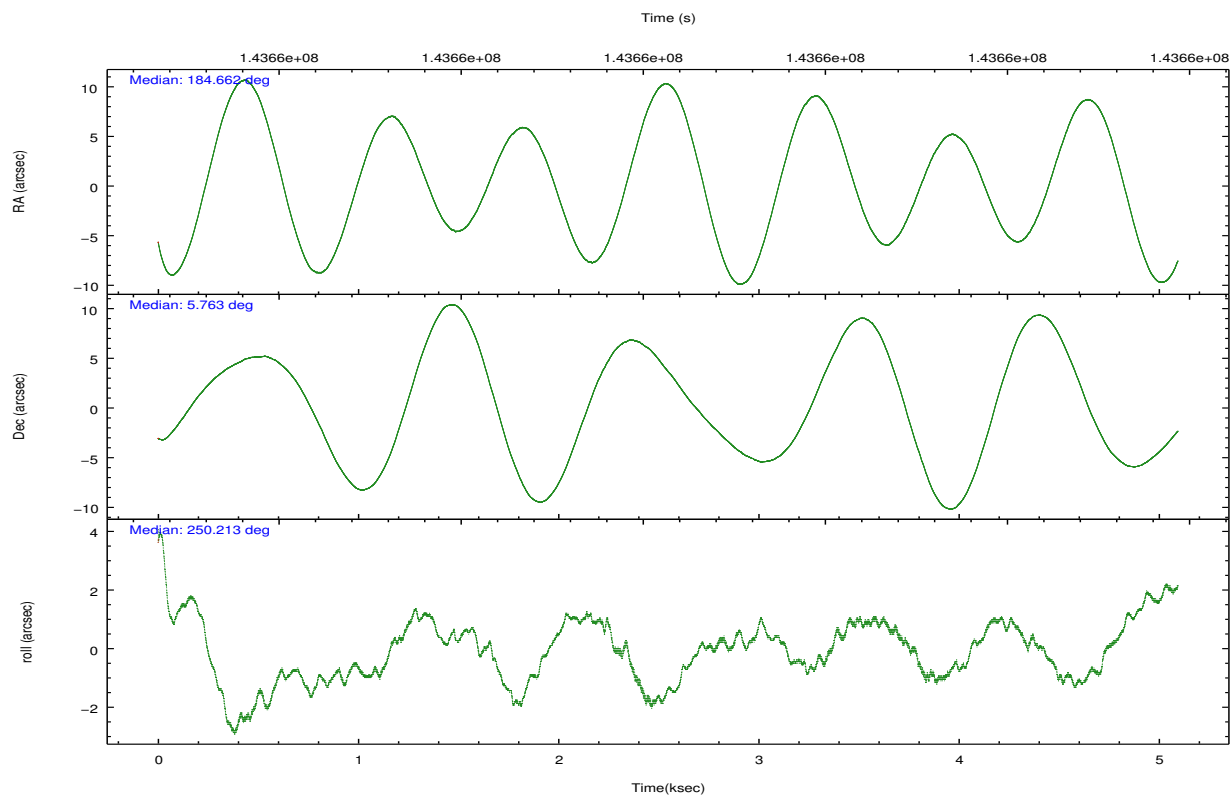
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31222	30869	49736	31082	42959	43826	grade 0 events	2036	1988	4751	2329	2200	4029
rejected events	26952	26641	23548	26320	22318	32579		6%	6%	9%	7%	5%	9%
rejected %	86%	86%	47%	84%	51%	74%	grade 1 events	17	20	108	18	41	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	928	828	7175	913	4064	2129
								2%	2%	14%	2%	9%	4%
							grade 3 events	327	355	1100	382	1746	1352
								1%	1%	2%	1%	4%	3%
							grade 4 events	327	339	1046	380	1759	1194
								1%	1%	2%	1%	4%	2%
							grade 5 events	1041	1233	3227	1268	3727	1711
								3%	3%	6%	4%	8%	3%
							grade 6 events	658	726	12157	764	10893	2550
								2%	2%	24%	2%	25%	5%
							grade 7 events	25888	25380	20172	25028	18529	30816
								82%	82%	40%	80%	43%	70%

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	184.657020	184.6621609978322	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.789740	5.762978741449227	Alternating exposures requested	N	N
[deg] Pointing Roll	250.066359	250.2224591418517	[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)	143658786.184000	143658147.85743			
Observation start date	2002-07-21T17:12:02	2002-07-21T17:02:27			
[s] Observation end time (MET)	143663686.184000	143664026.23267			
Observation end date	2002-07-21T18:33:42	2002-07-21T18:40:26			
Read mode	TIMED	TIMED			

2.3 Aspect



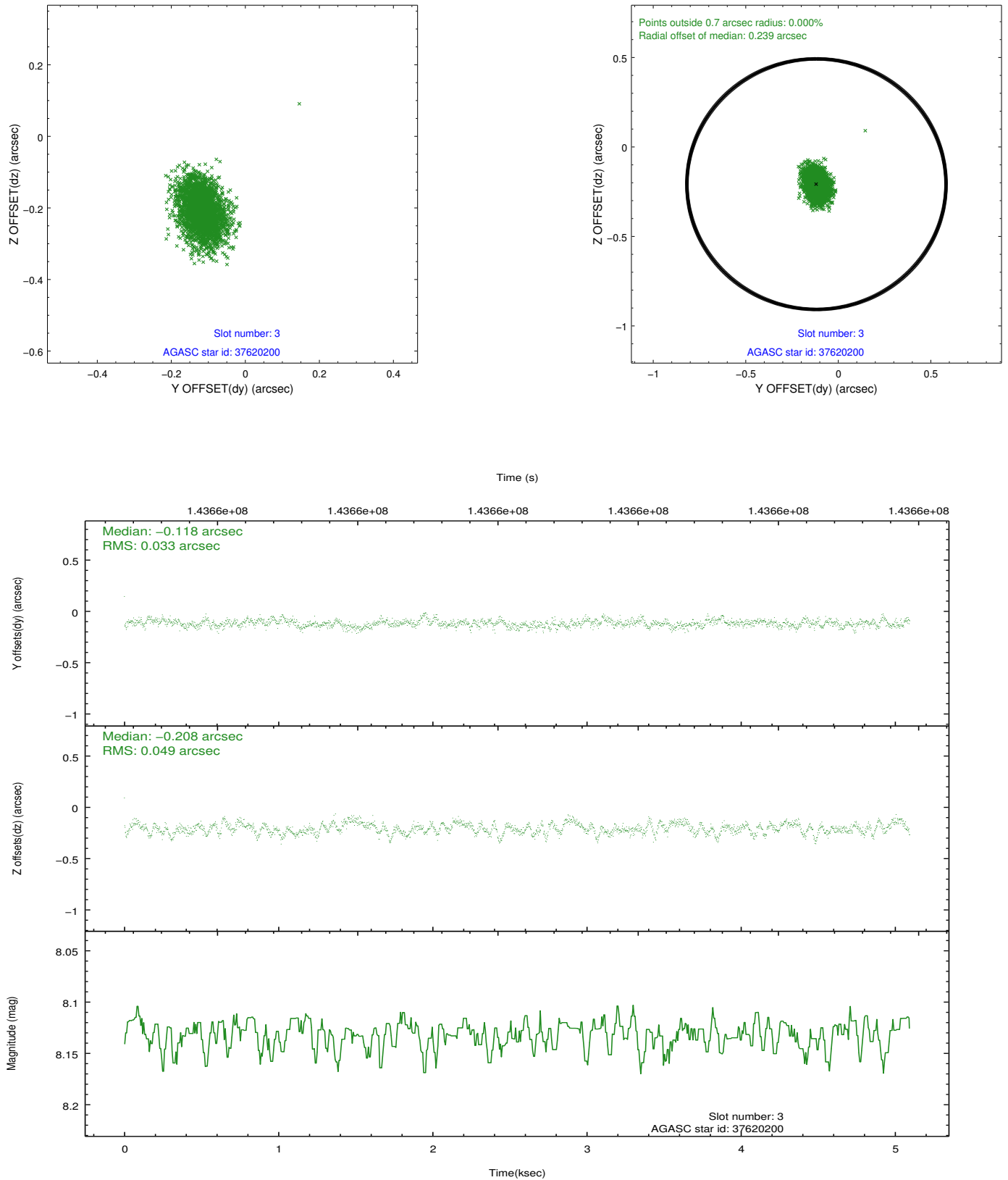


Slot Statistics

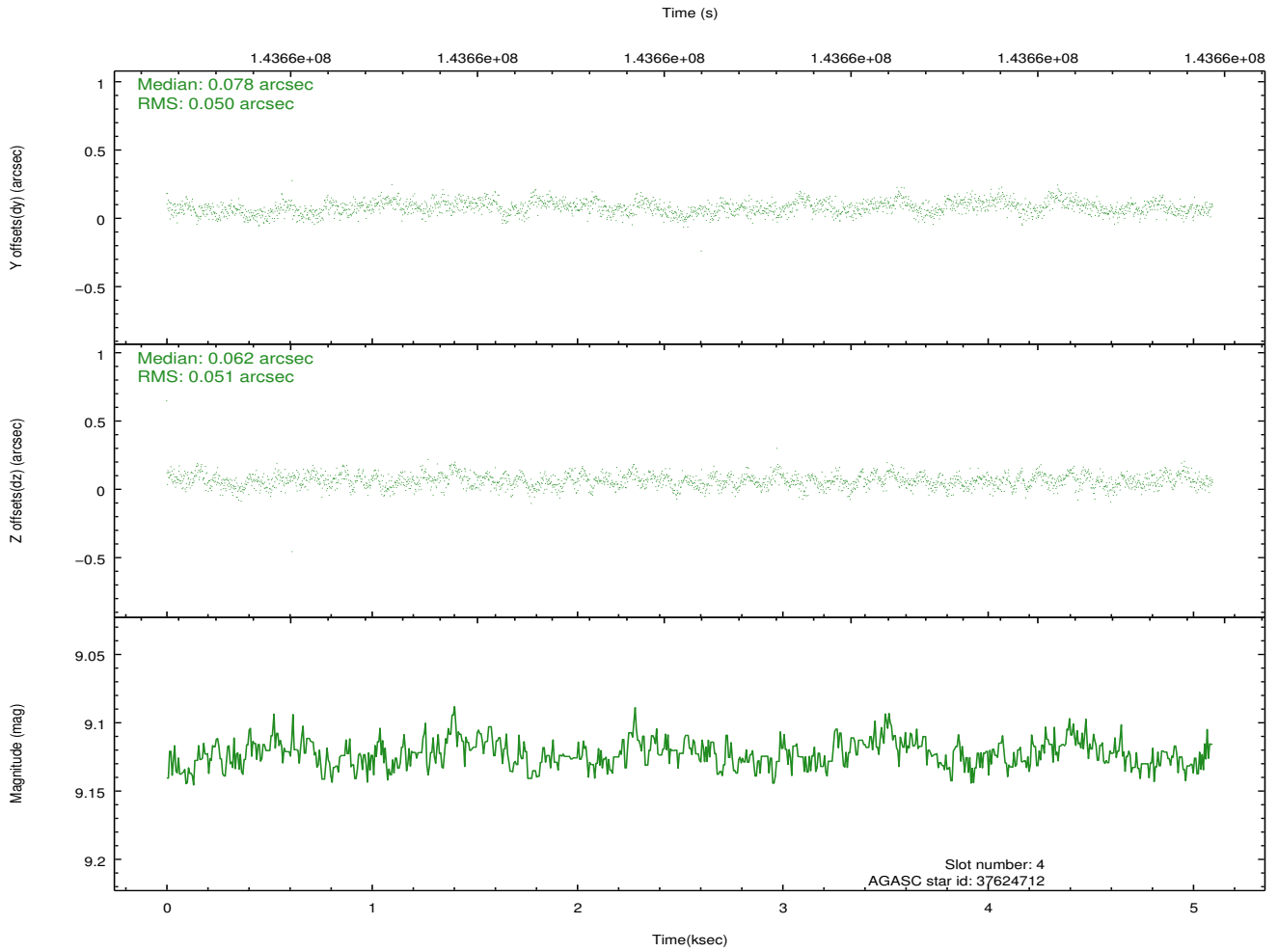
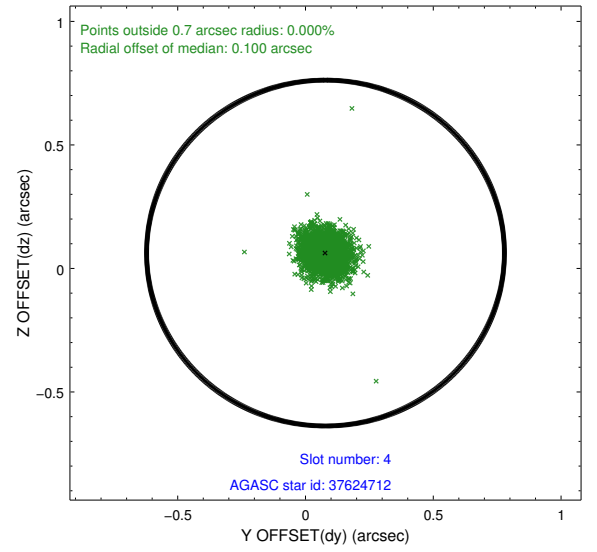
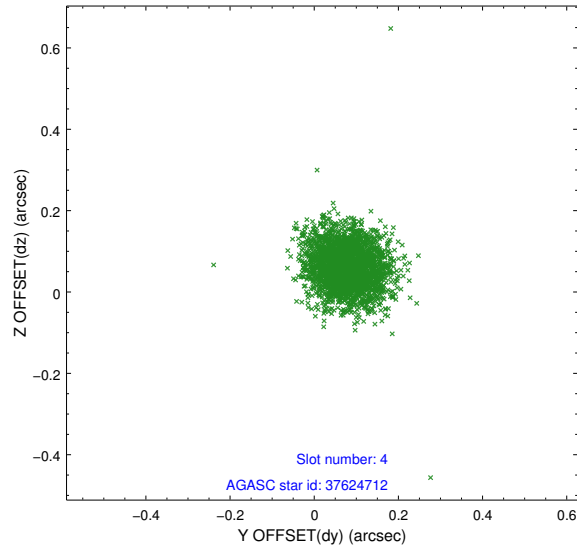
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1243	0.006	0.022	0.006	0.010	0.000000	0.000000	-755.09	-1729.22
1	FID	ACIS-S-4	7.20	1243	-0.012	-0.002	0.007	0.010	0.000000	0.000000	2157.64	177.99
2	FID	ACIS-S-6	7.36	1243	-0.022	-0.013	0.008	0.012	0.000000	0.000000	408.41	816.74
3	GUIDE	37620200	8.13	2485	-0.118	-0.208	0.062	0.104	184.362504	6.601100	-2386.30	-1986.28
4	GUIDE	37624712	9.12	2484	0.078	0.062	0.075	0.120	184.918461	5.545072	508.16	1180.67
5	GUIDE	37757640	9.44	2485	-0.072	0.054	0.088	0.145	185.384586	6.104462	-1954.32	2062.17
6	GUIDE	37620360	9.06	2485	-0.008	-0.022	0.071	0.118	183.993071	5.640227	1316.26	-2052.42
7	GUIDE	37757312	9.50	2482	0.117	0.115	0.103	0.163	185.049153	5.751629	-349.34	1366.64

2.4 Star Slots

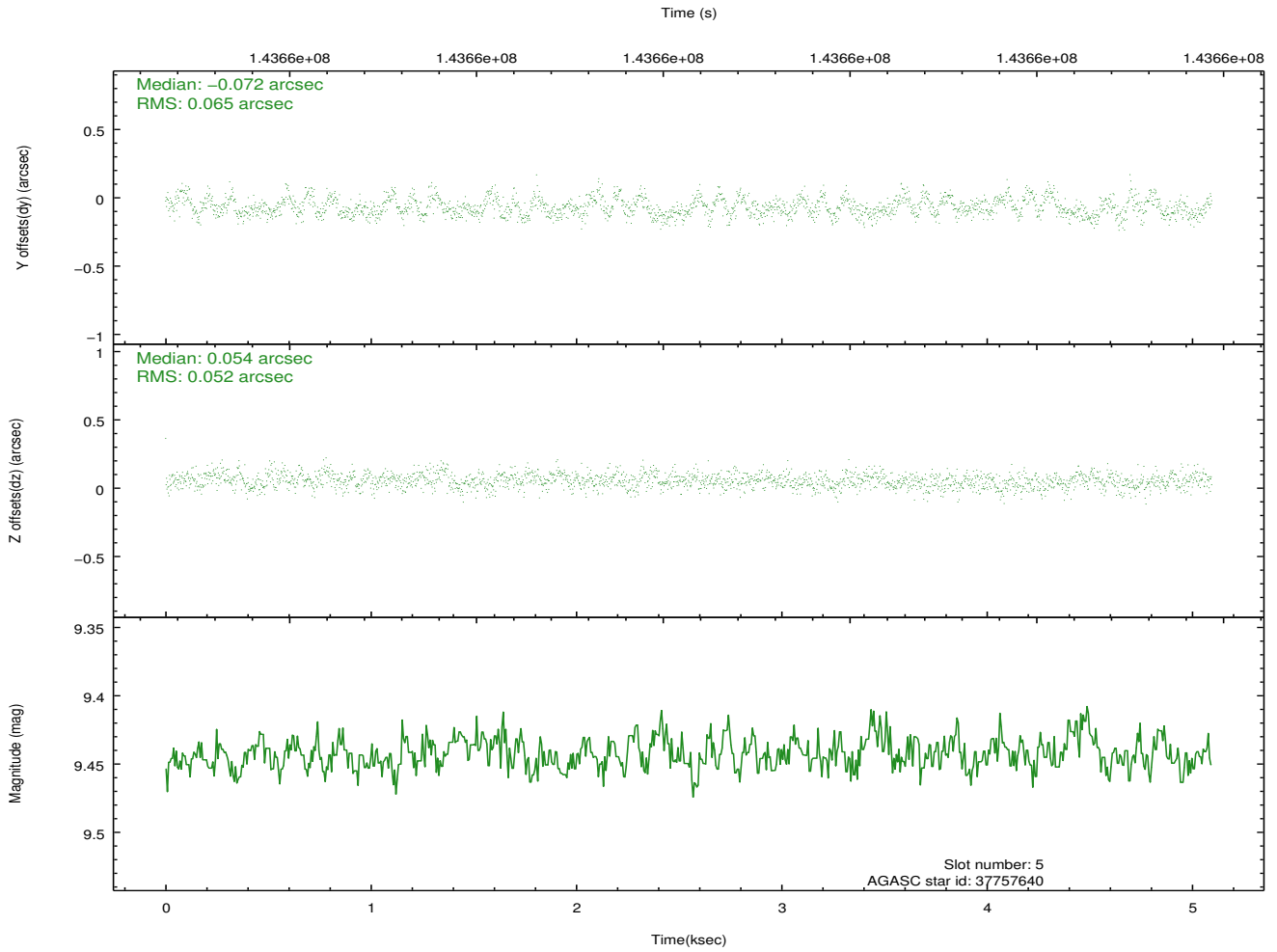
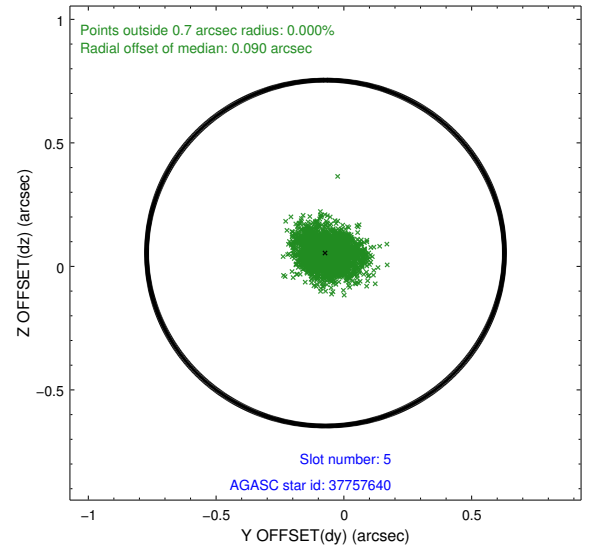
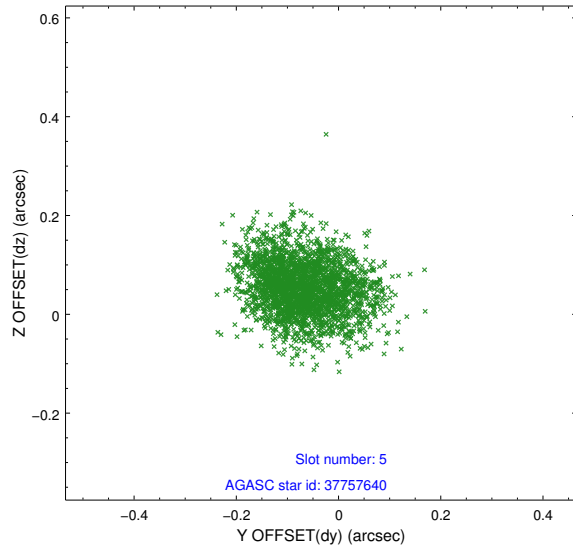
2.4.1 Slot 3



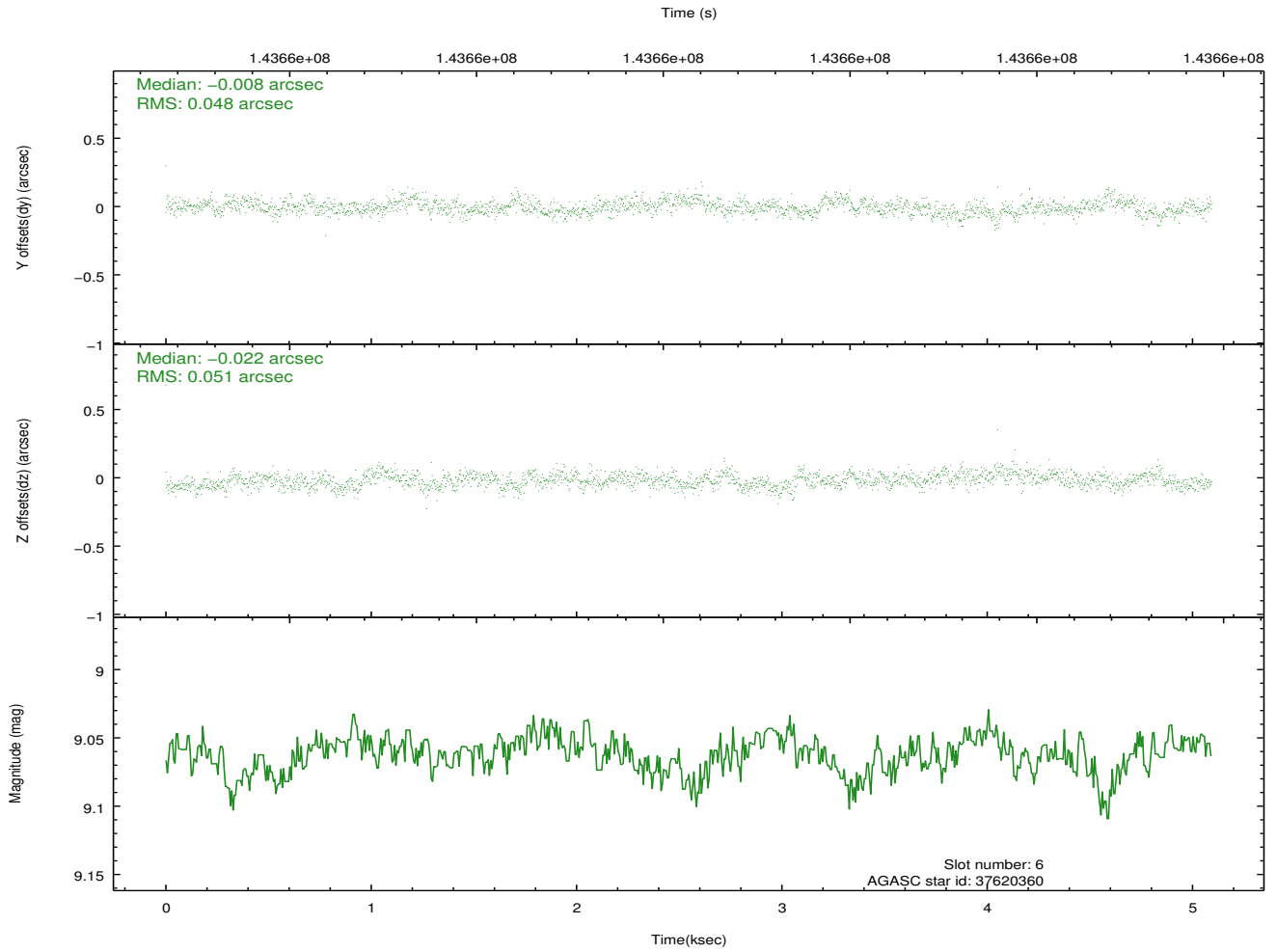
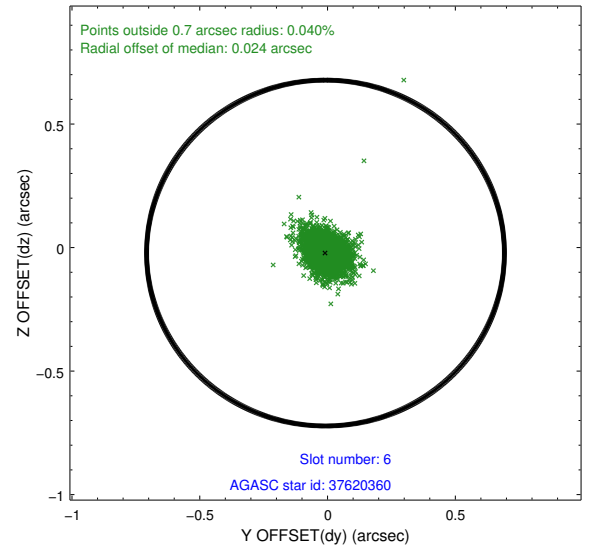
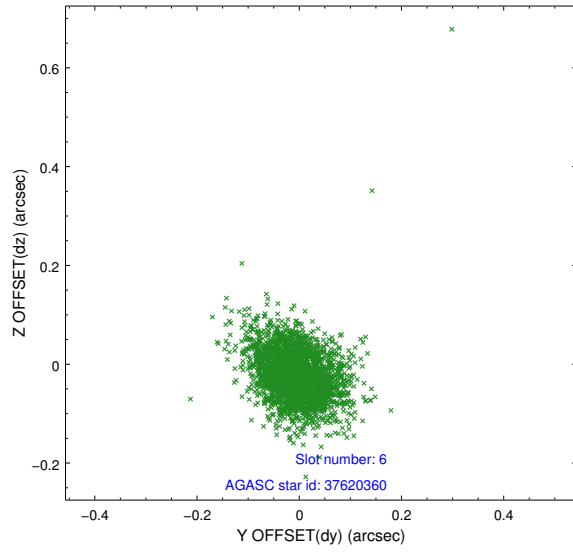
2.4.2 Slot 4



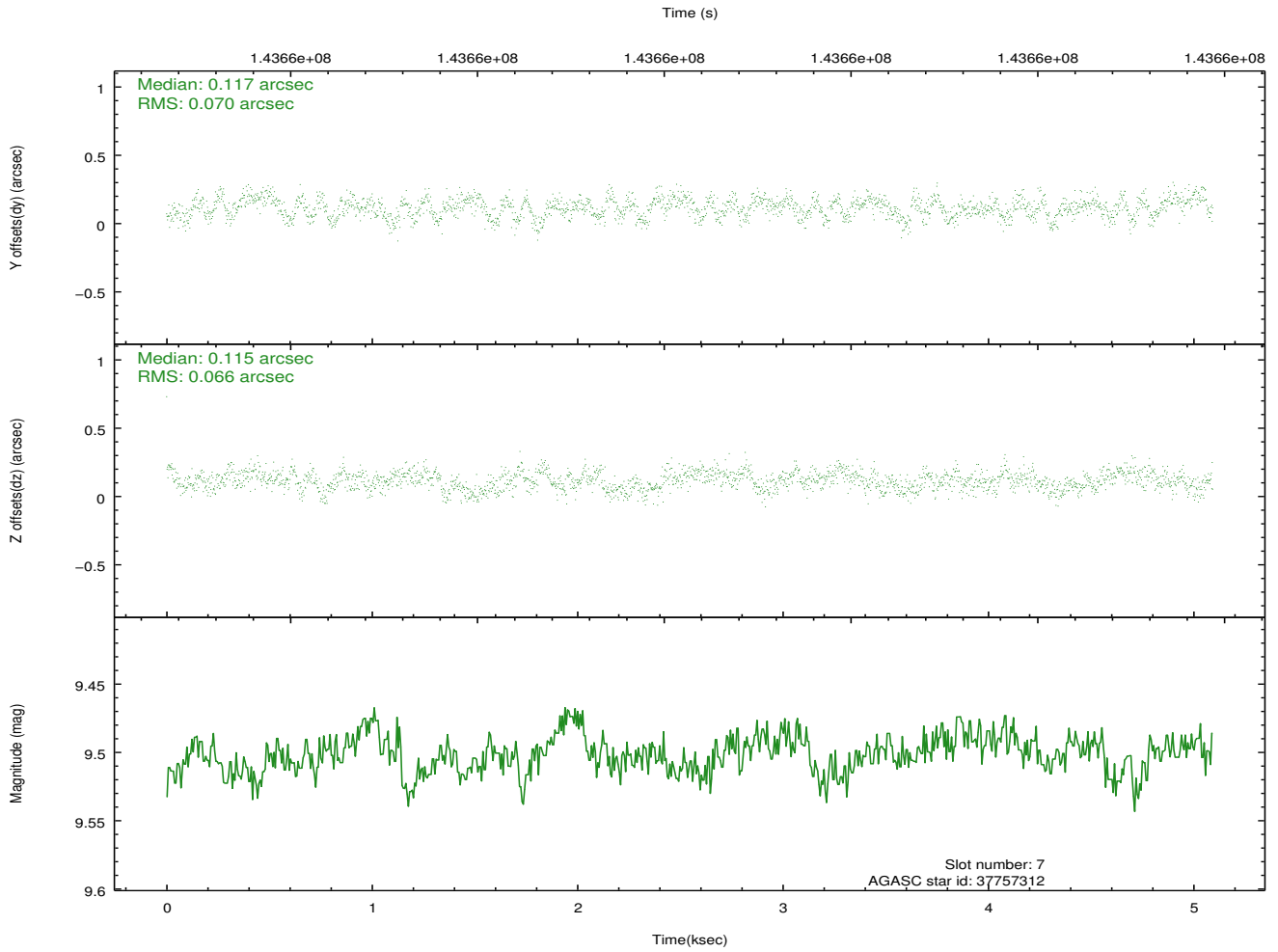
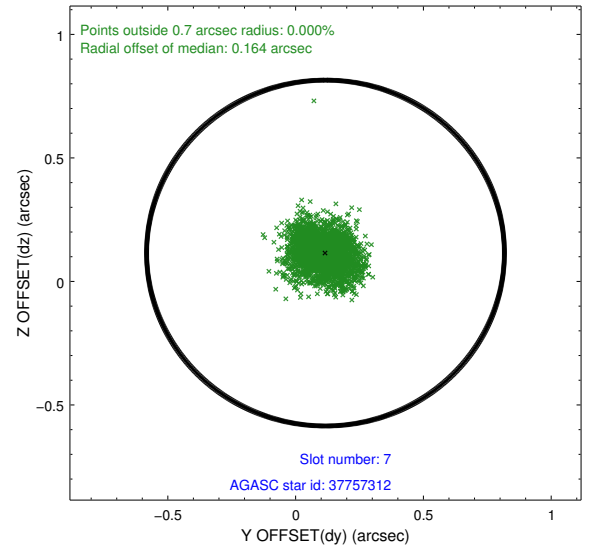
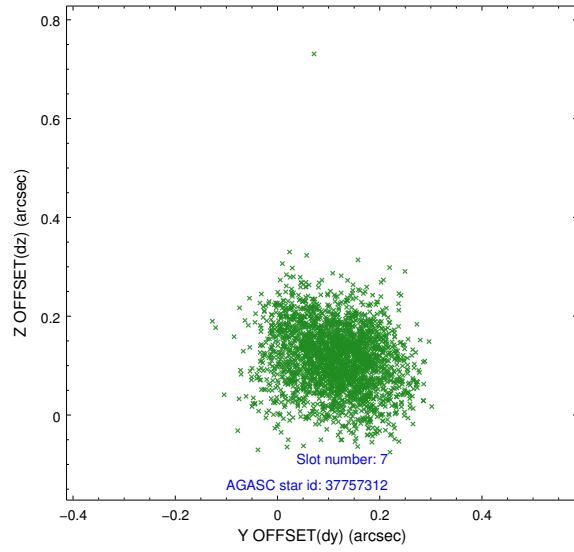
2.4.3 Slot 5



2.4.4 Slot 6

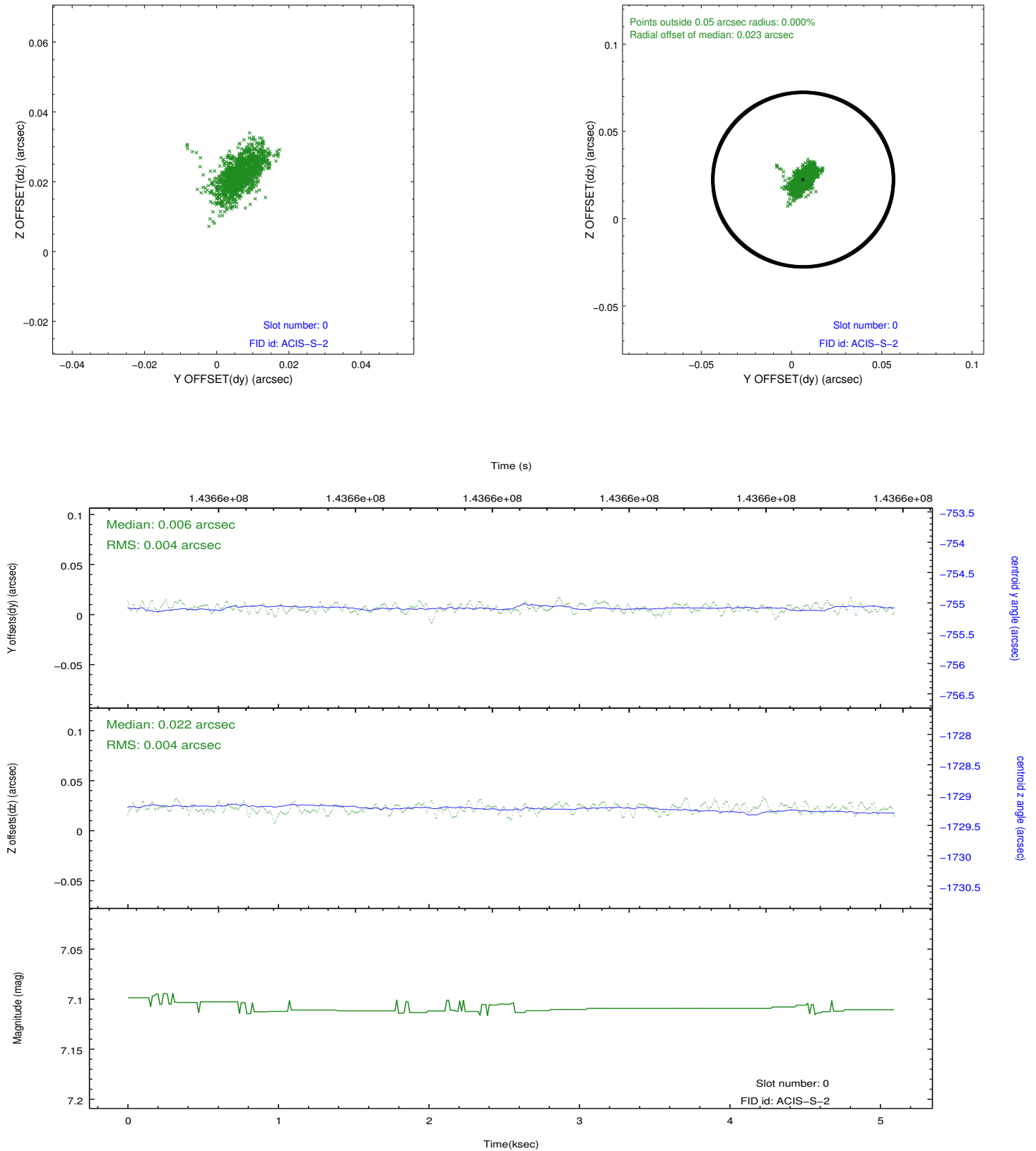


2.4.5 Slot 7

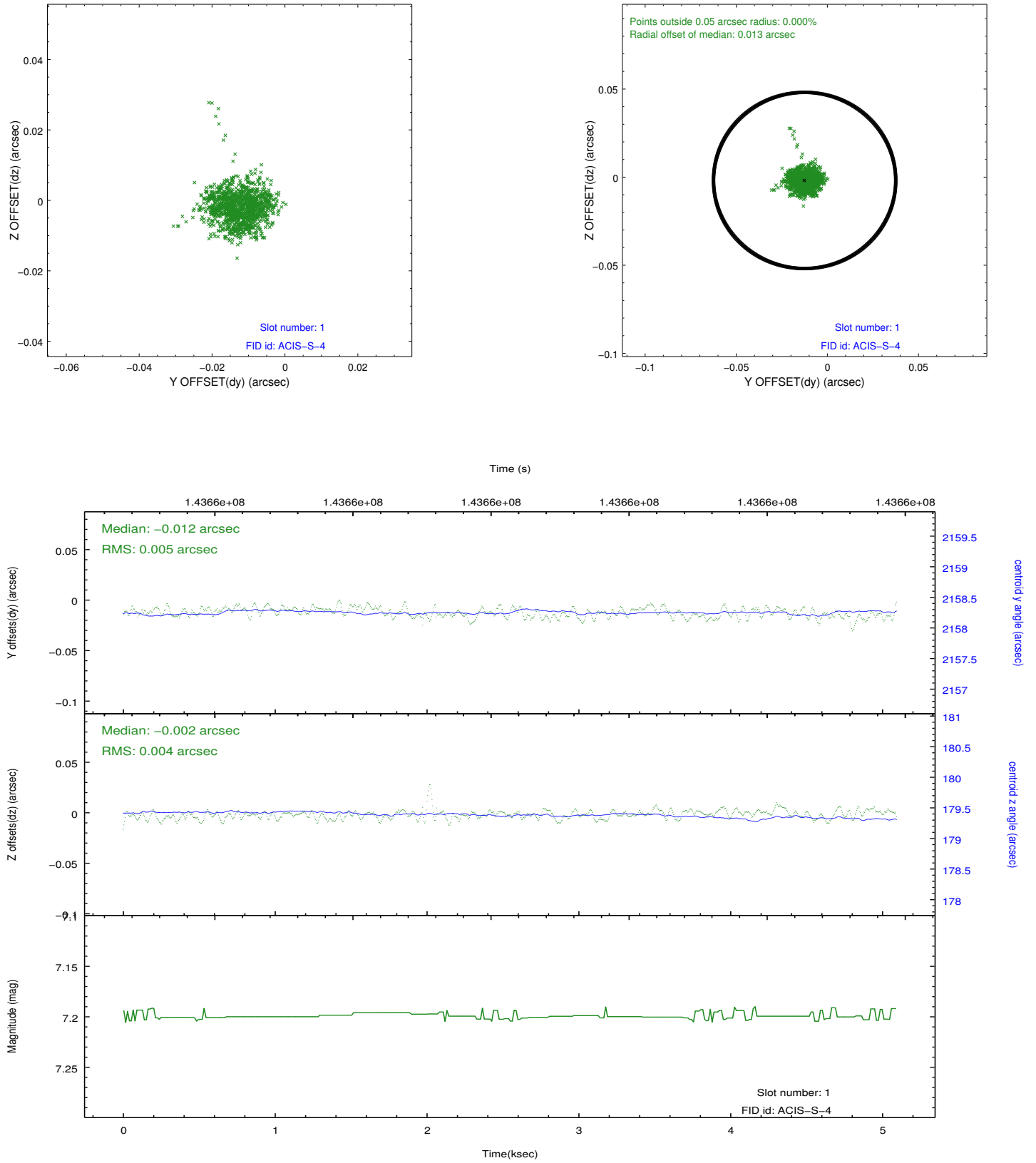


2.5 FID Slots

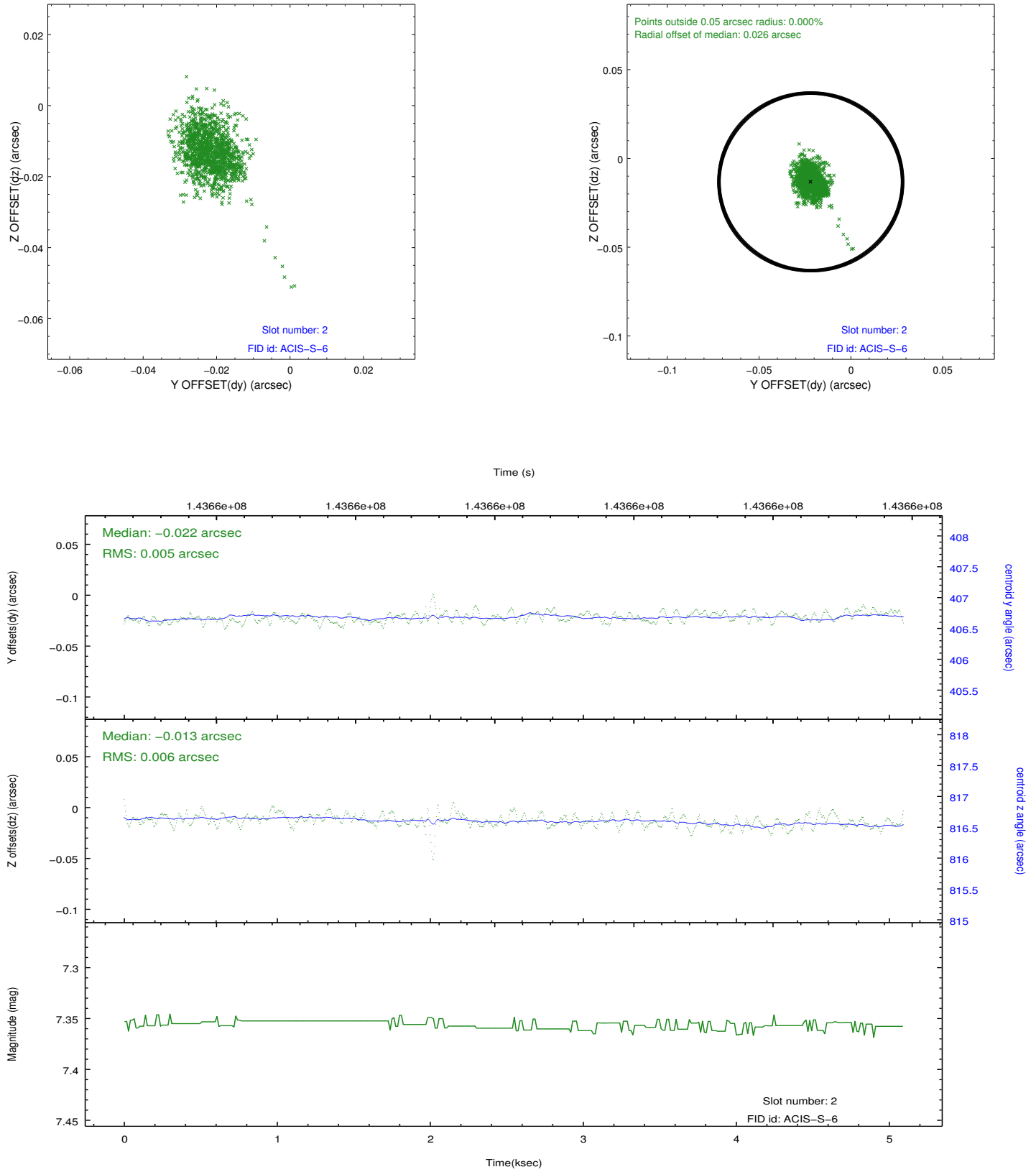
2.5.1 Slot 0



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)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.659

A.2 Comments

Joint proposal with NOAO.