

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4087 - L2 Version 3
Chandra X-Ray Center

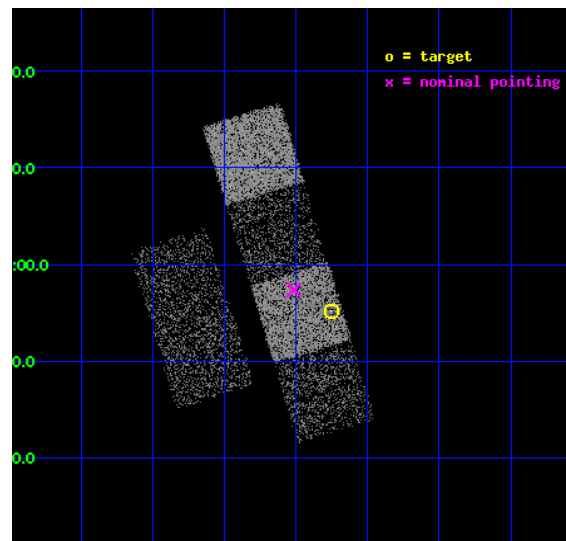
L2 Processing Date : Oct 22 2012

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1 Front

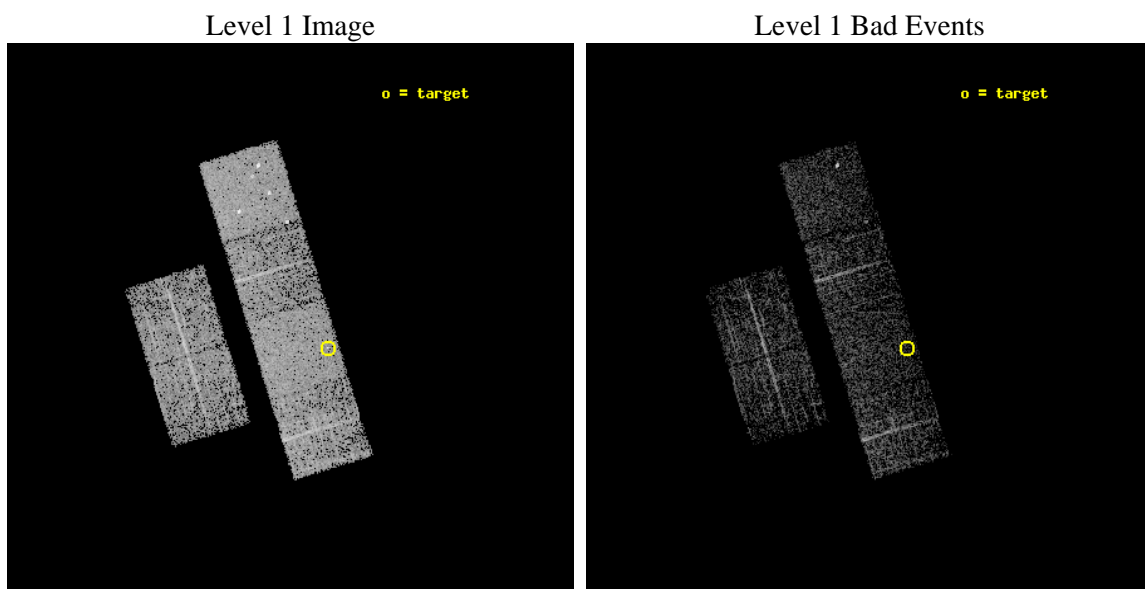
seq_num	700766	Sequence number
obs_id	4087	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J121415.17+005511.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.563333	Observer's specified target RA [deg]
dec_targ	0.919833	Observer's specified target Dec [deg]
ra_nom	183.62853265641	Nominal RA [deg]
dec_nom	0.95625798047461	Nominal Dec [deg]
roll_nom	73.011936493415	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1983.999992609	Sum of GTIs [s]
livetime	1958.8773900812	Livetime [s]
ontime2	1983.999992609	Sum of GTIs [s]
ontime3	1980.7590123713	Sum of GTIs [s]
ontime5	1983.999992609	Sum of GTIs [s]
ontime6	1983.999992609	Sum of GTIs [s]
ontime7	1983.999992609	Sum of GTIs [s]
ontime8	1983.999992609	Sum of GTIs [s]
l2events	20347	Number of level 2 events



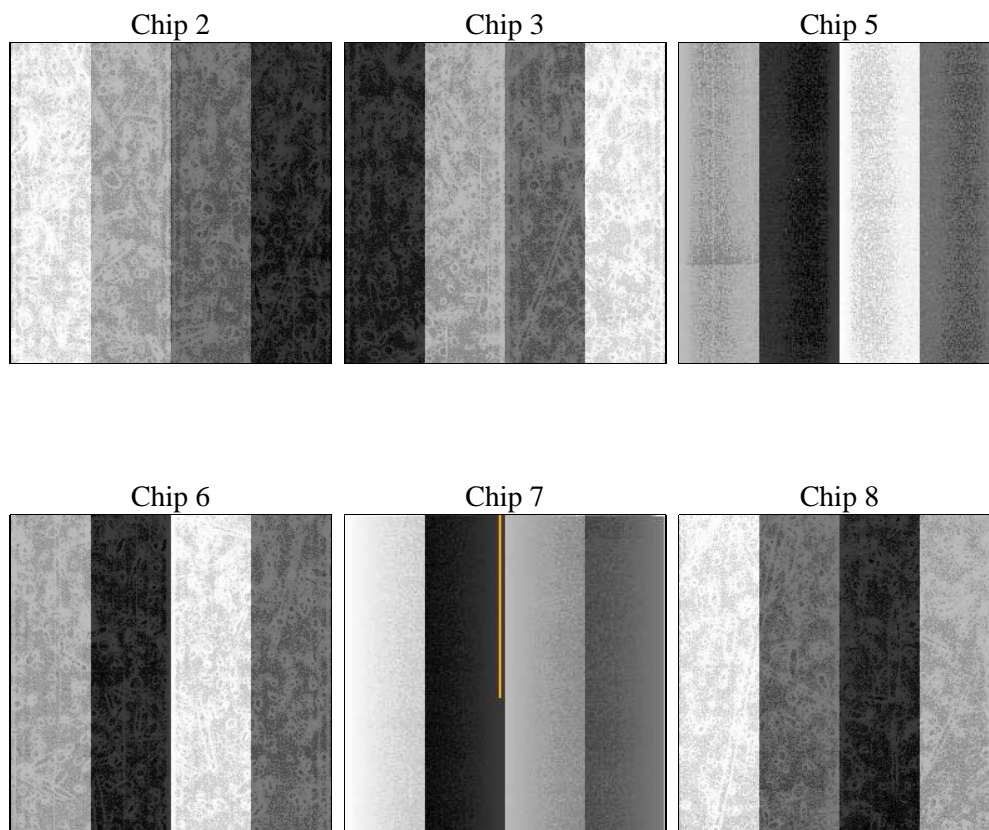
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2026.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1983.999992609	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1983.999992609	Sum of GTIs [s]
date	2012-10-22T04:02:55	Date and time of file creation	ontime3	1980.7590123713	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1983.999992609	Sum of GTIs [s]
			ontime6	1983.999992609	Sum of GTIs [s]
			ontime7	1983.999992609	Sum of GTIs [s]
			ontime8	1983.999992609	Sum of GTIs [s]
			l1events	92581	Number of level 1 events

2.1.4 Events

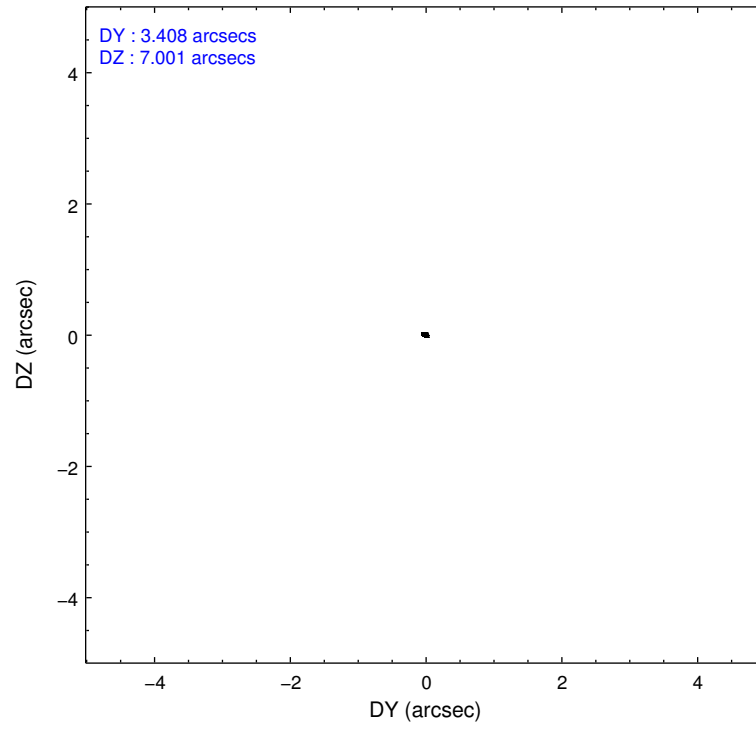
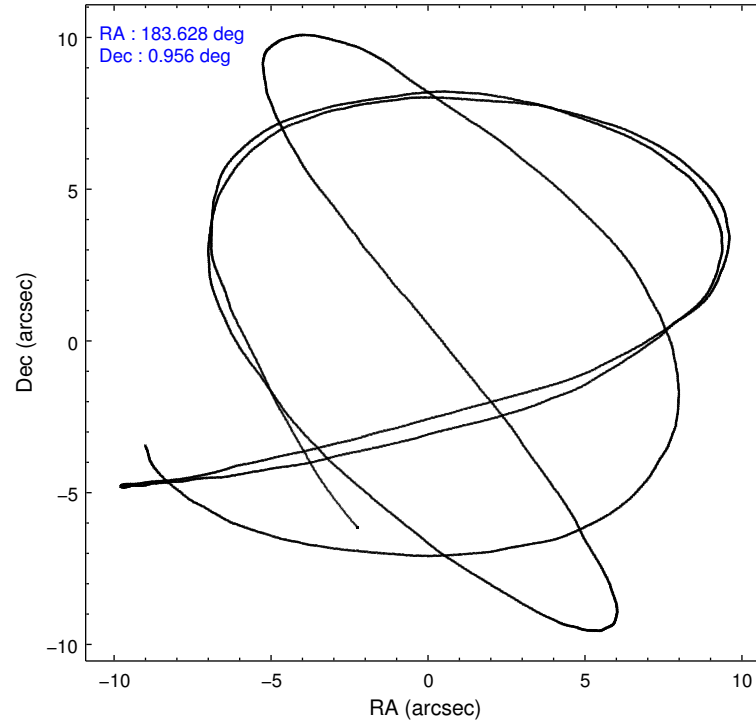
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12982	12442	20364	12961	17379	16453
rejected events	11515	10887	10725	11489	10327	13064
rejected %	88%	87%	52%	88%	59%	79%

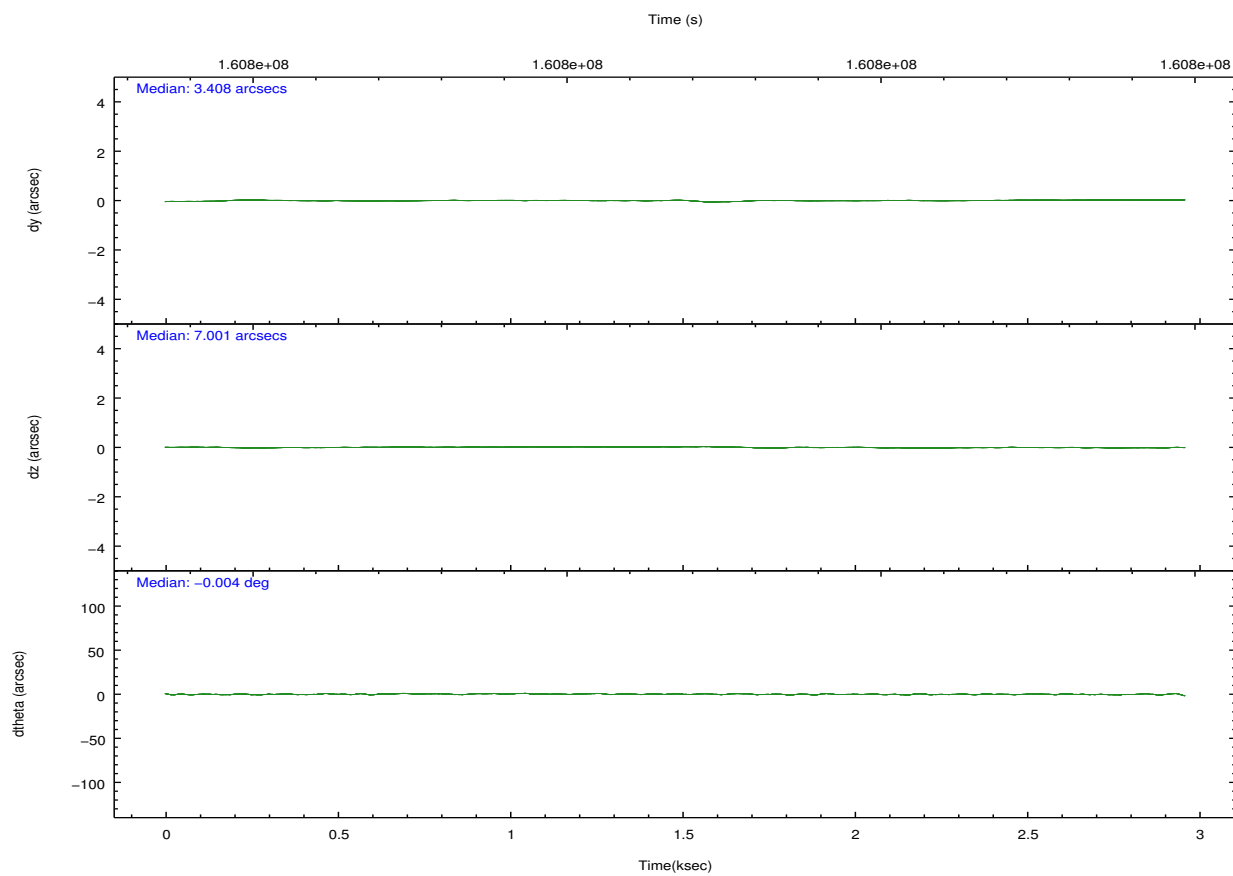
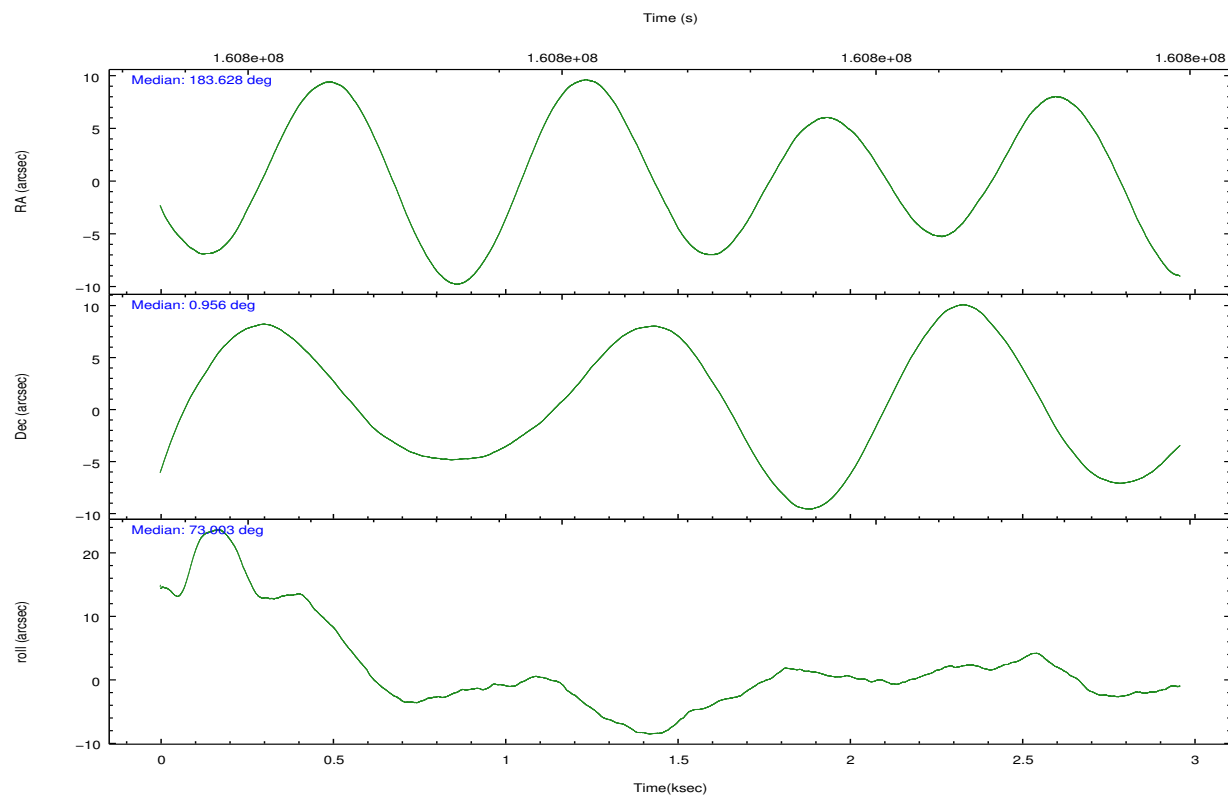
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	646	666	1620	570	747	1076
	4%	5%	7%	4%	4%	6%
grade 1 events	6	5	72	9	11	10
	0%	0%	0%	0%	0%	0%
grade 2 events	279	310	2799	309	1405	743
	2%	2%	13%	2%	8%	4%
grade 3 events	143	172	362	154	605	328
	1%	1%	1%	1%	3%	1%
grade 4 events	143	145	309	143	603	318
	1%	1%	1%	1%	3%	1%
grade 5 events	460	590	1621	573	1679	724
	3%	4%	7%	4%	9%	4%
grade 6 events	256	267	4584	302	3706	938
	1%	2%	22%	2%	21%	5%
grade 7 events	11049	10287	8997	10901	8623	12316
	85%	82%	44%	84%	49%	74%

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	183.635125	183.6285326564056	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.929780	0.9562579804746082	Alternating exposures requested	N	N
[deg] Pointing Roll	72.855186	73.01193649341542	[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)	160795794.184000	160794458.34408			
Observation start date	2003-02-05T01:28:50	2003-02-05T01:07:38			
[s] Observation end time (MET)	160797820.184000	160798654.69425			
Observation end date	2003-02-05T02:02:36	2003-02-05T02:17:34			
Read mode	TIMED	TIMED			

2.3 Aspect



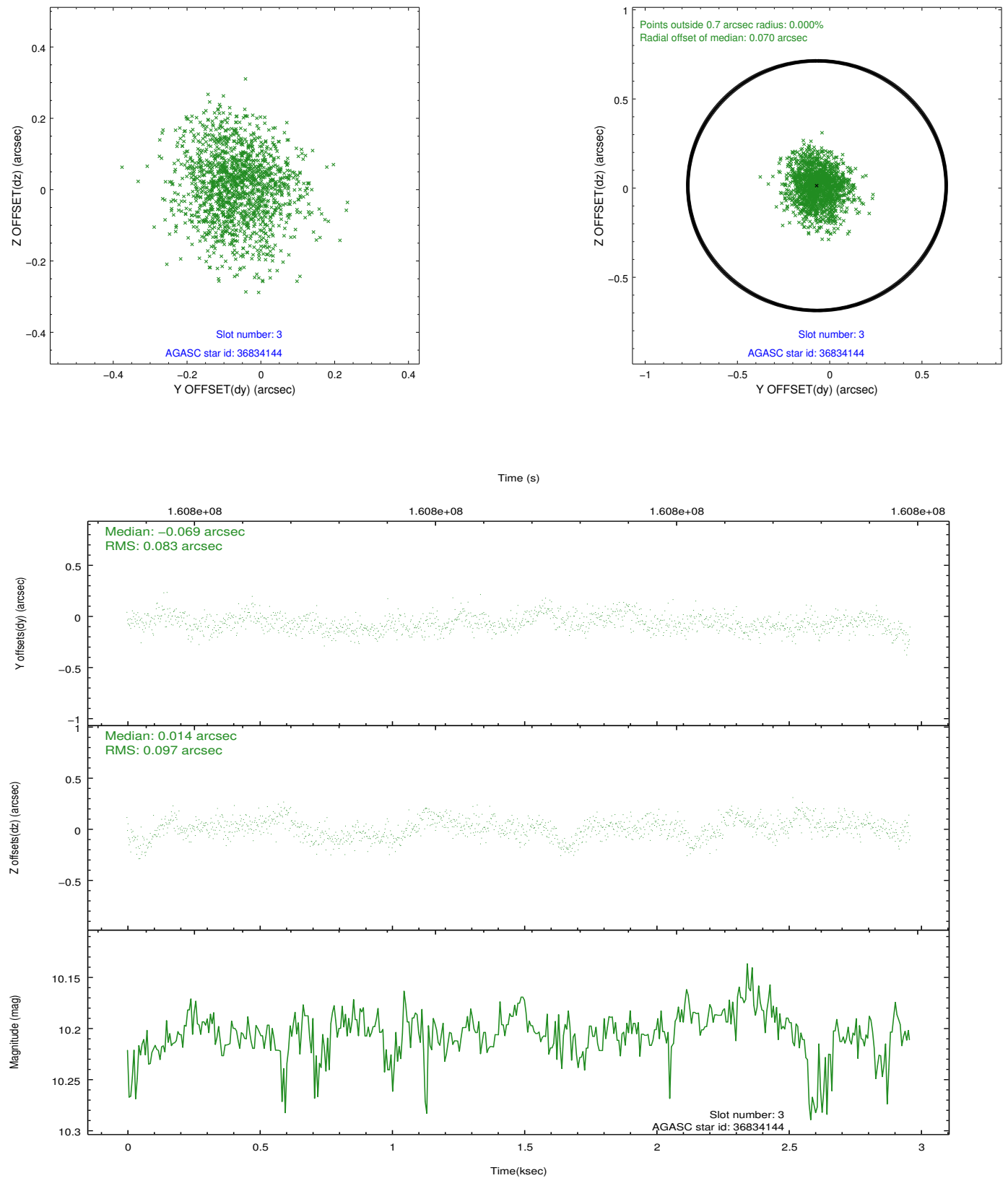


Slot Statistics

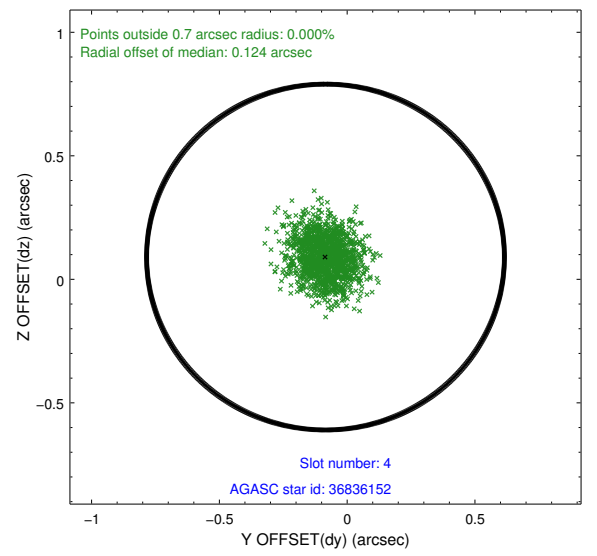
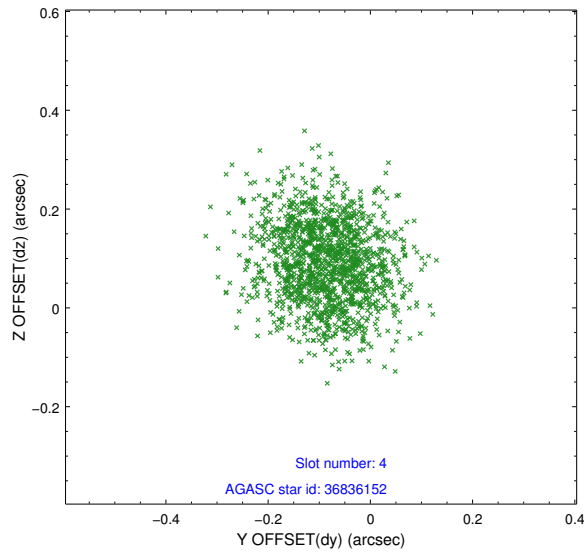
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	722	-0.014	0.012	0.006	0.010	0.000000	0.000000	-756.07	-1728.16
1	FID	ACIS-S-4	7.21	722	-0.003	0.004	0.005	0.009	0.000000	0.000000	2156.24	178.09
2	FID	ACIS-S-5	7.24	723	-0.014	-0.007	0.006	0.012	0.000000	0.000000	-1806.13	174.20
3	GUIDE	36834144	10.20	1439	-0.069	0.014	0.136	0.219	184.076794	1.166140	1282.12	-1268.20
4	GUIDE	36836152	9.90	1438	-0.085	0.090	0.115	0.187	183.845730	1.492134	2159.01	-128.00
5	GUIDE	36838728	10.72	1444	0.309	0.157	0.163	0.279	183.661042	0.273288	-2229.03	-786.69
6	GUIDE	36834240	9.10	1445	-0.056	-0.409	0.095	0.160	183.032891	1.169701	184.73	2324.83
7	GUIDE	36834896	10.42	1444	-0.106	0.157	0.149	0.243	184.392524	1.087932	1348.73	-2435.31

2.4 Star Slots

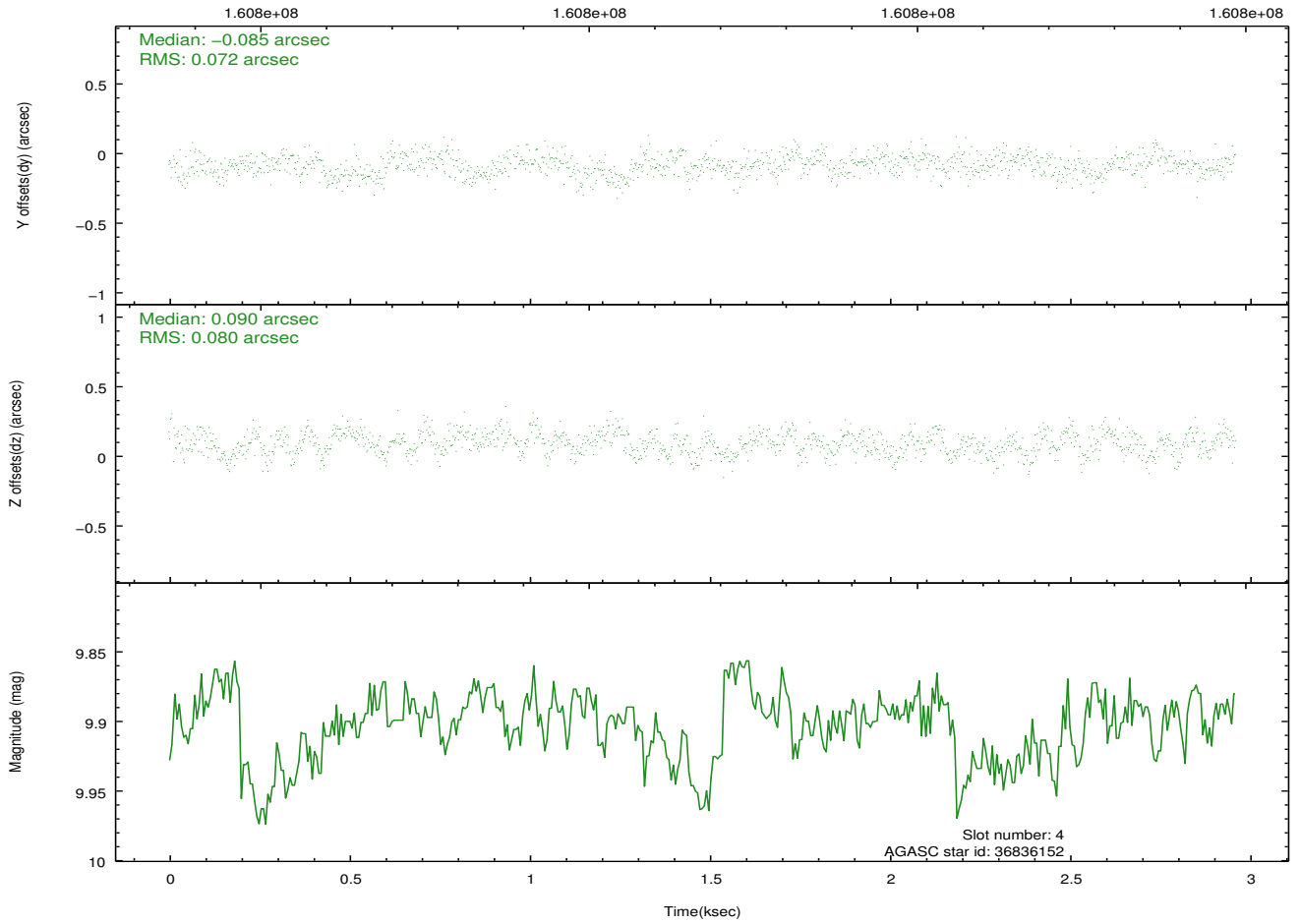
2.4.1 Slot 3



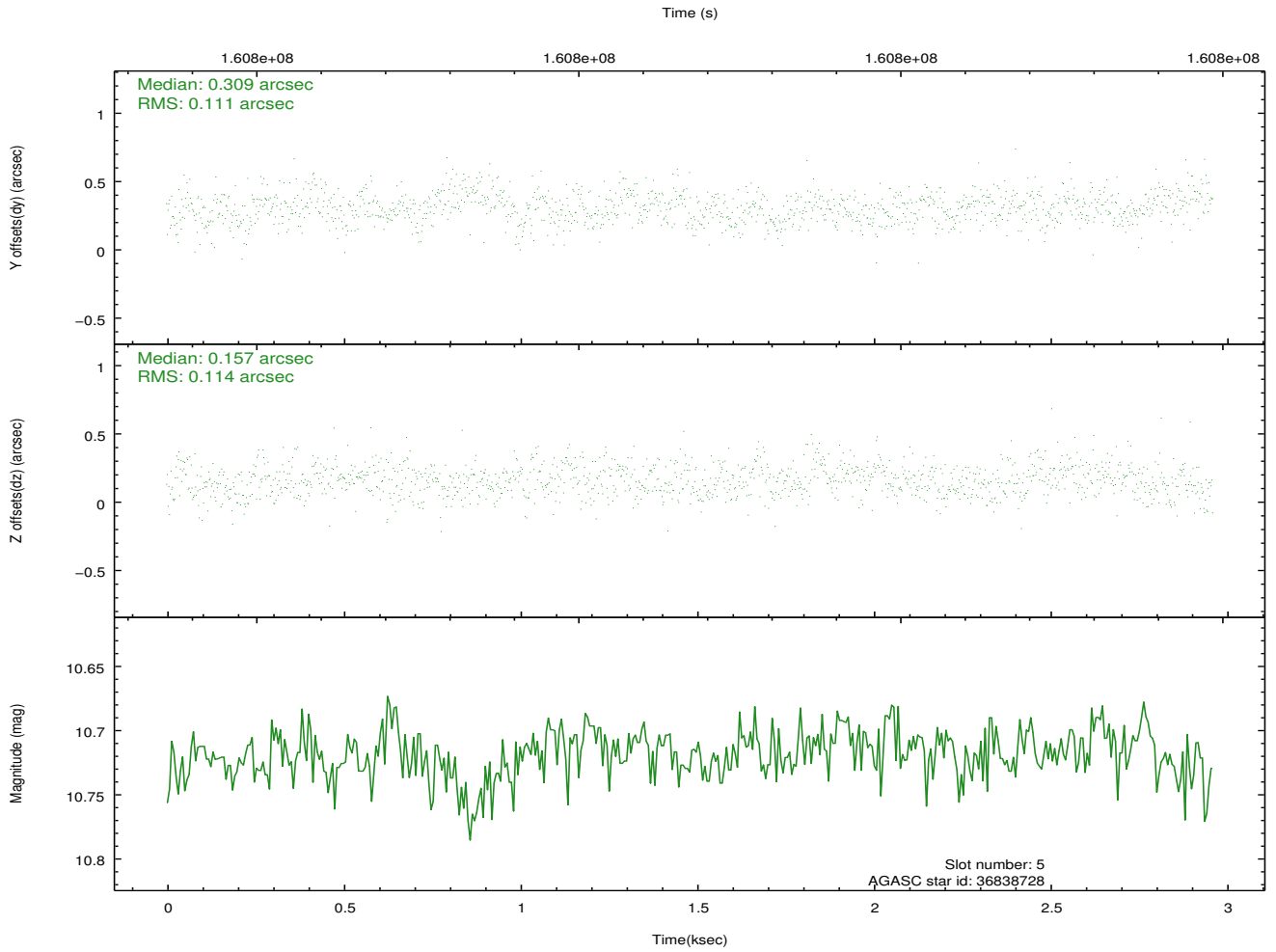
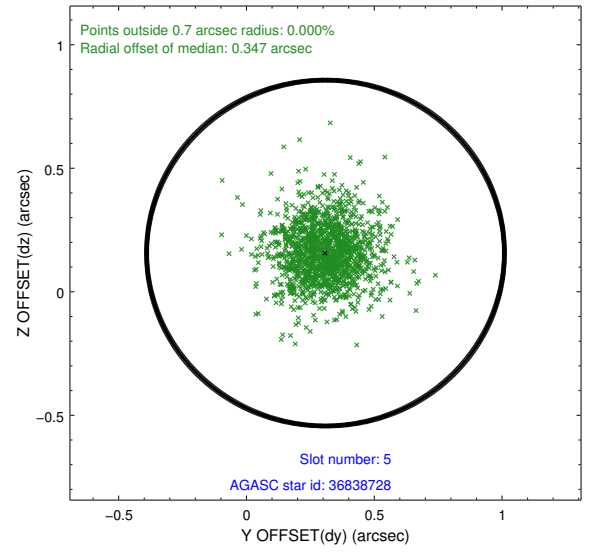
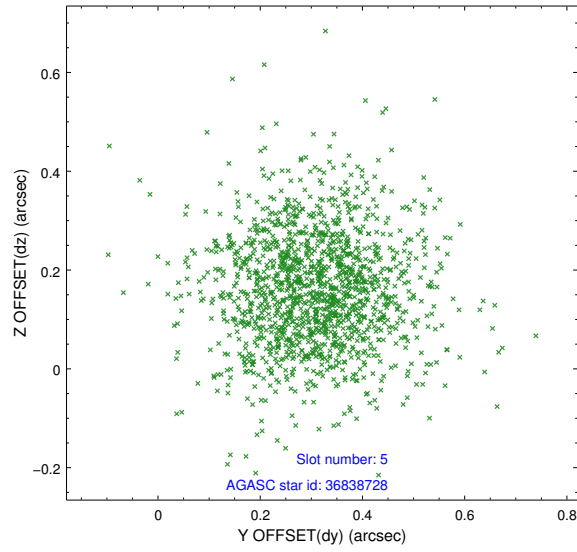
2.4.2 Slot 4



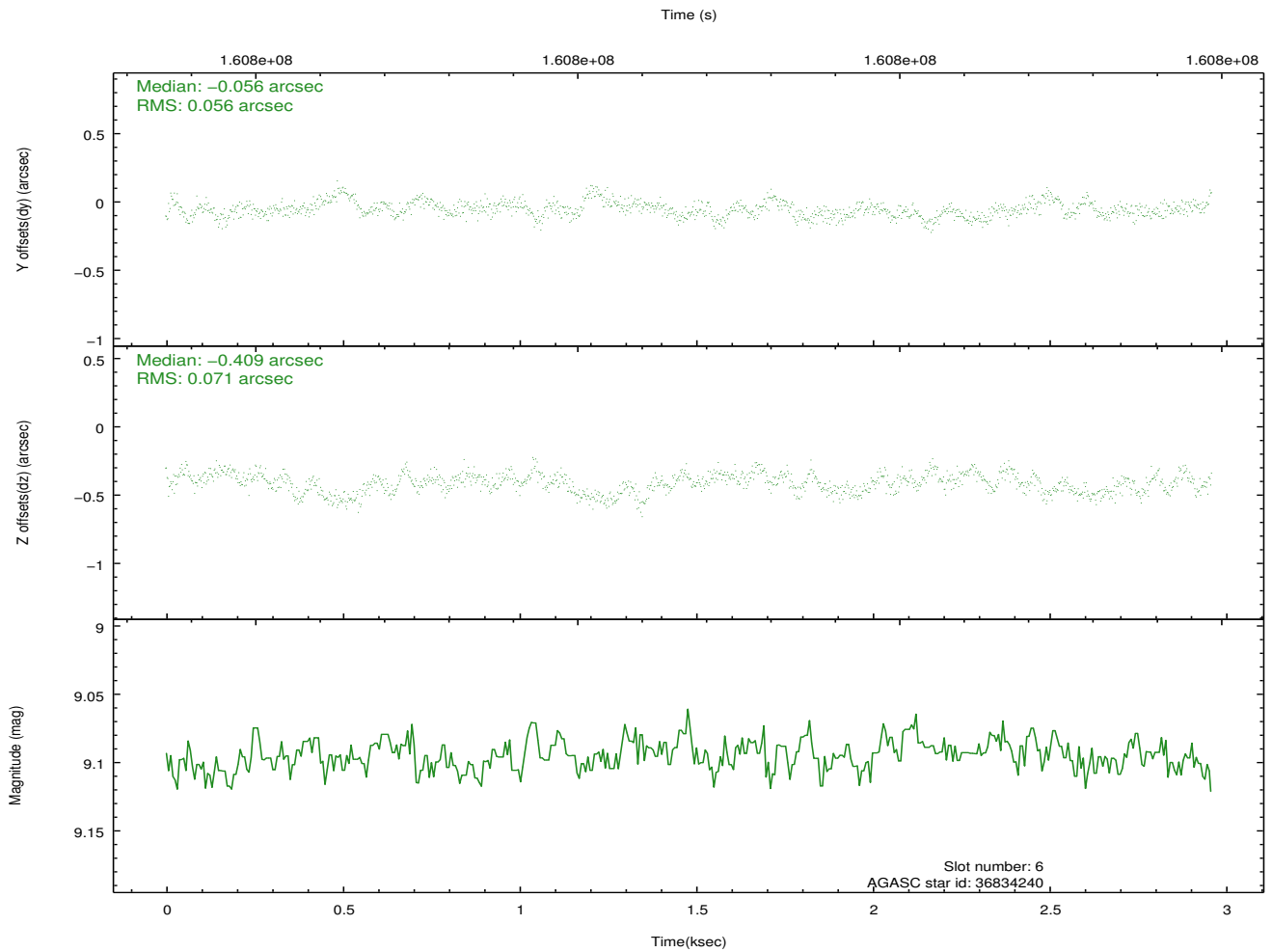
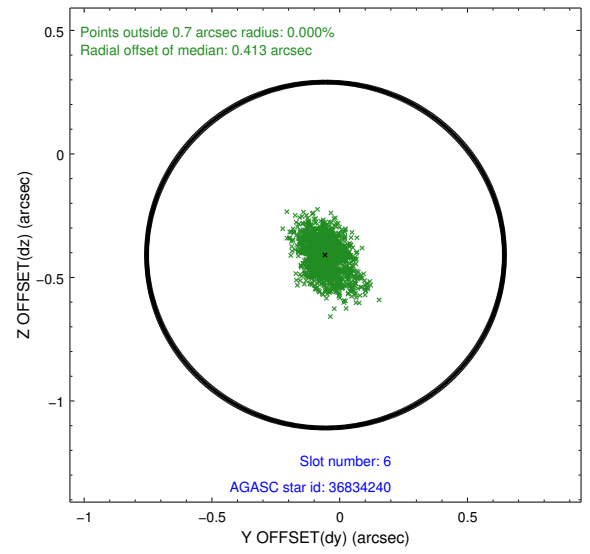
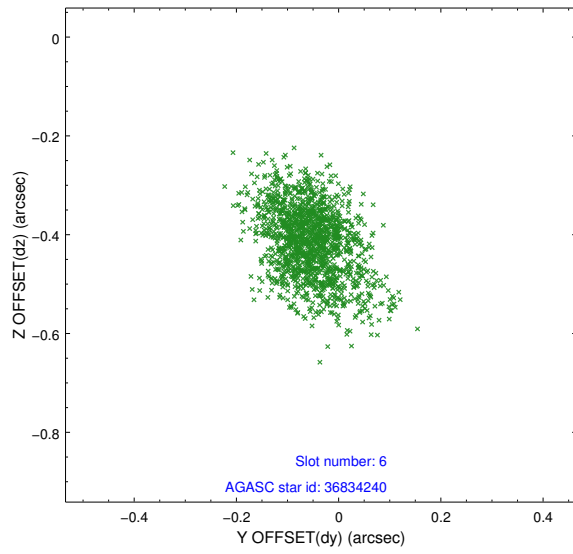
Time (s)



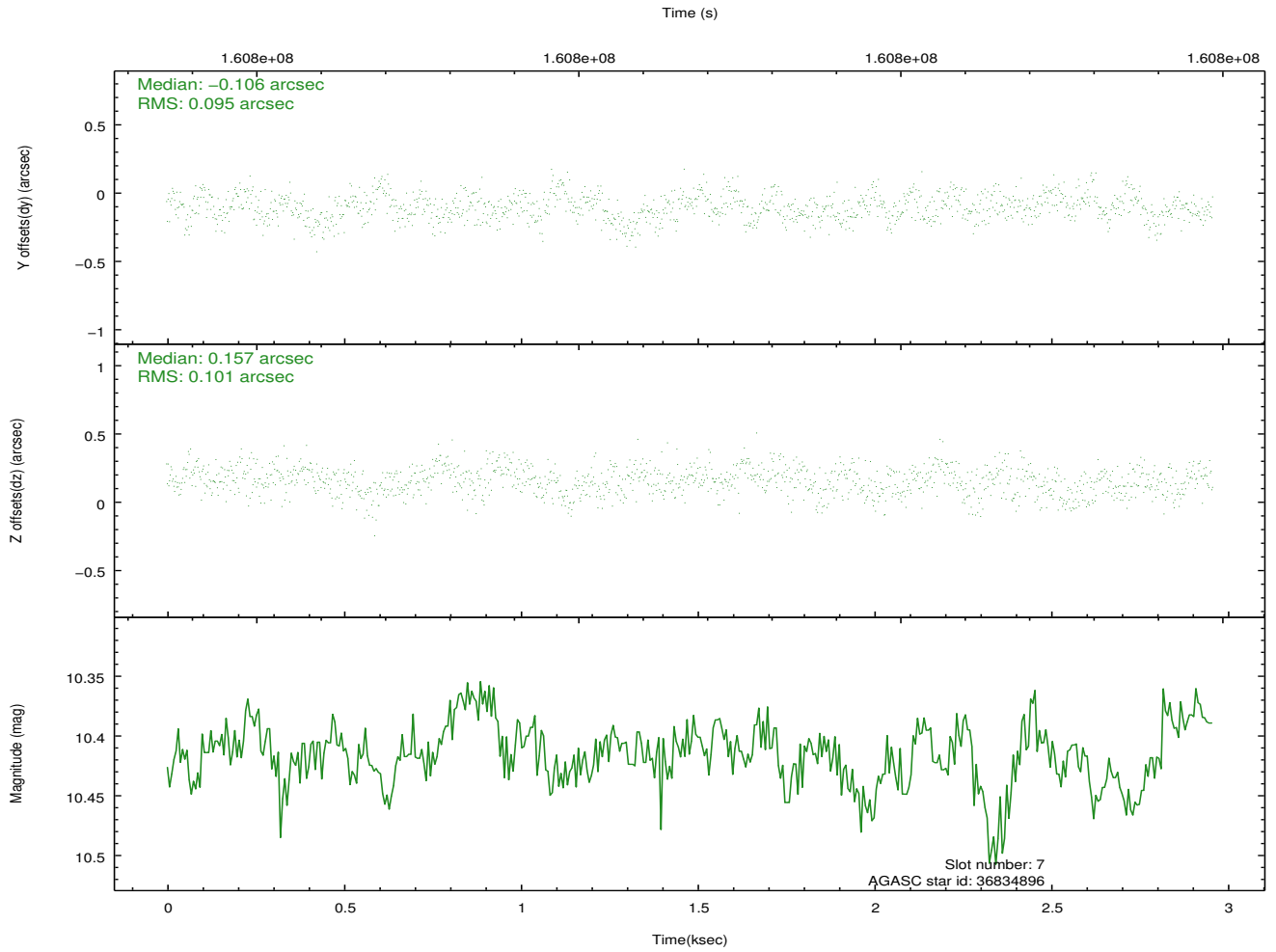
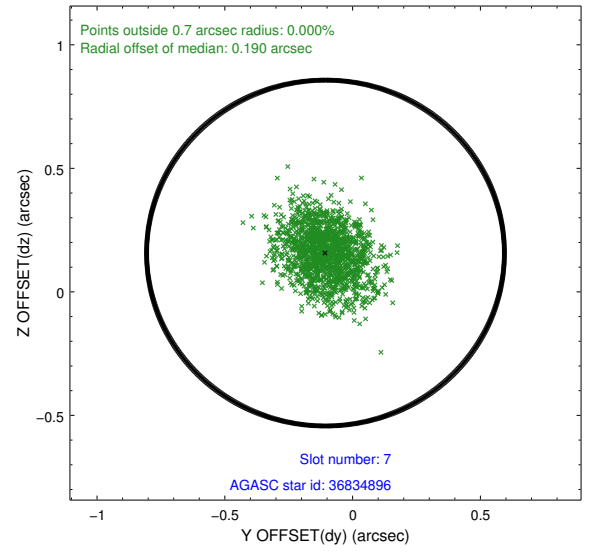
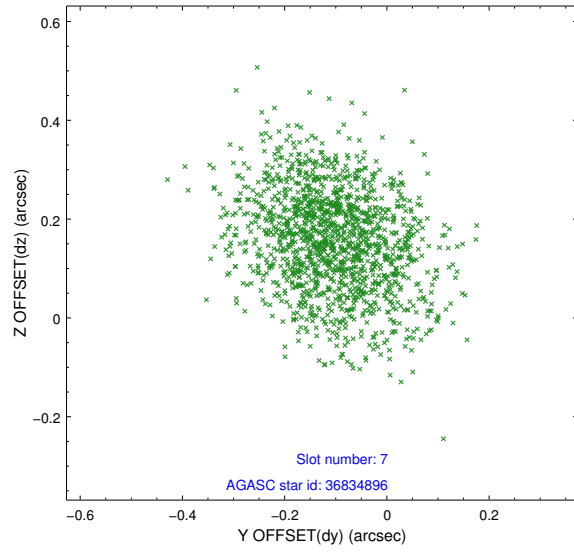
2.4.3 Slot 5



2.4.4 Slot 6

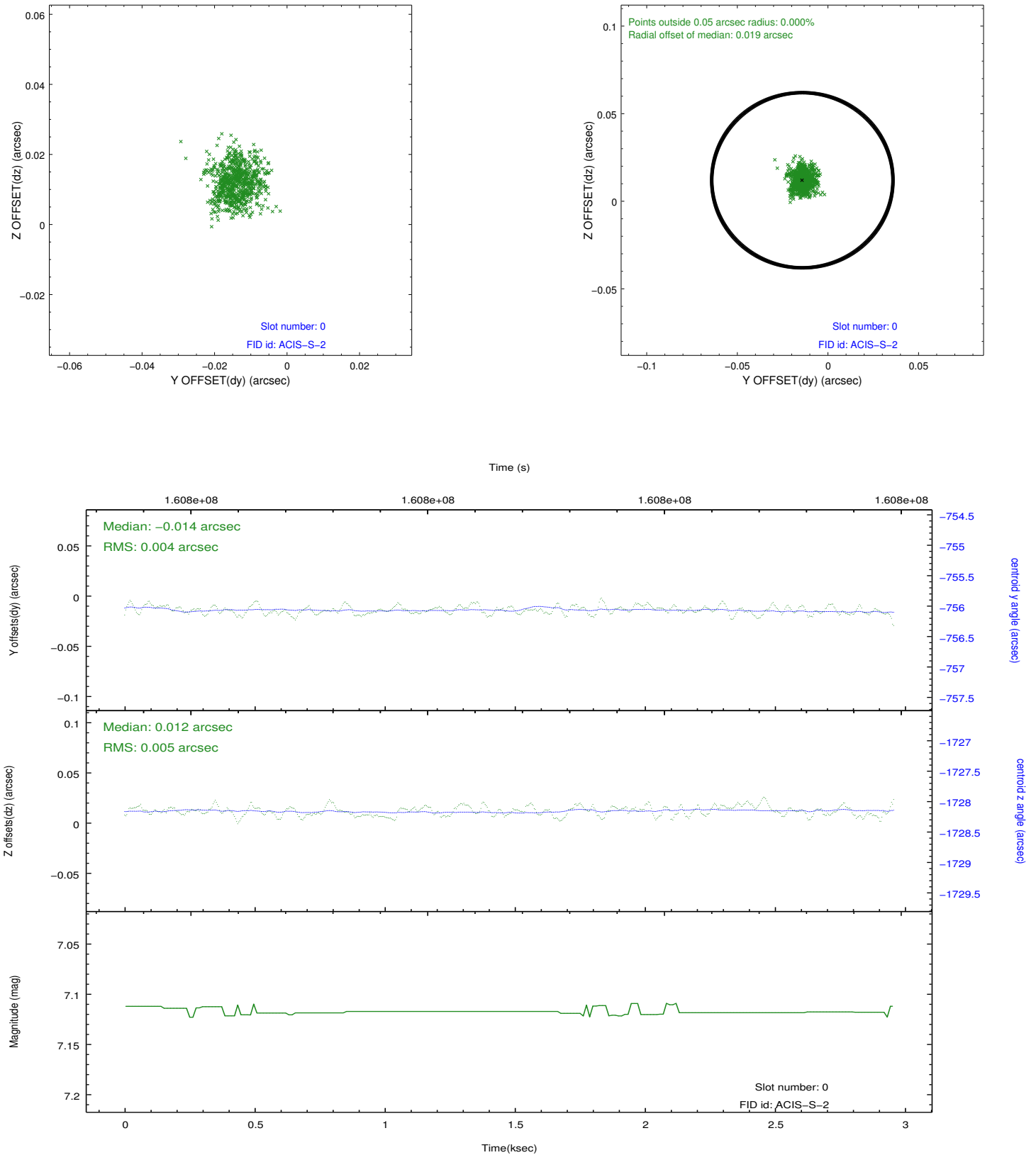


2.4.5 Slot 7

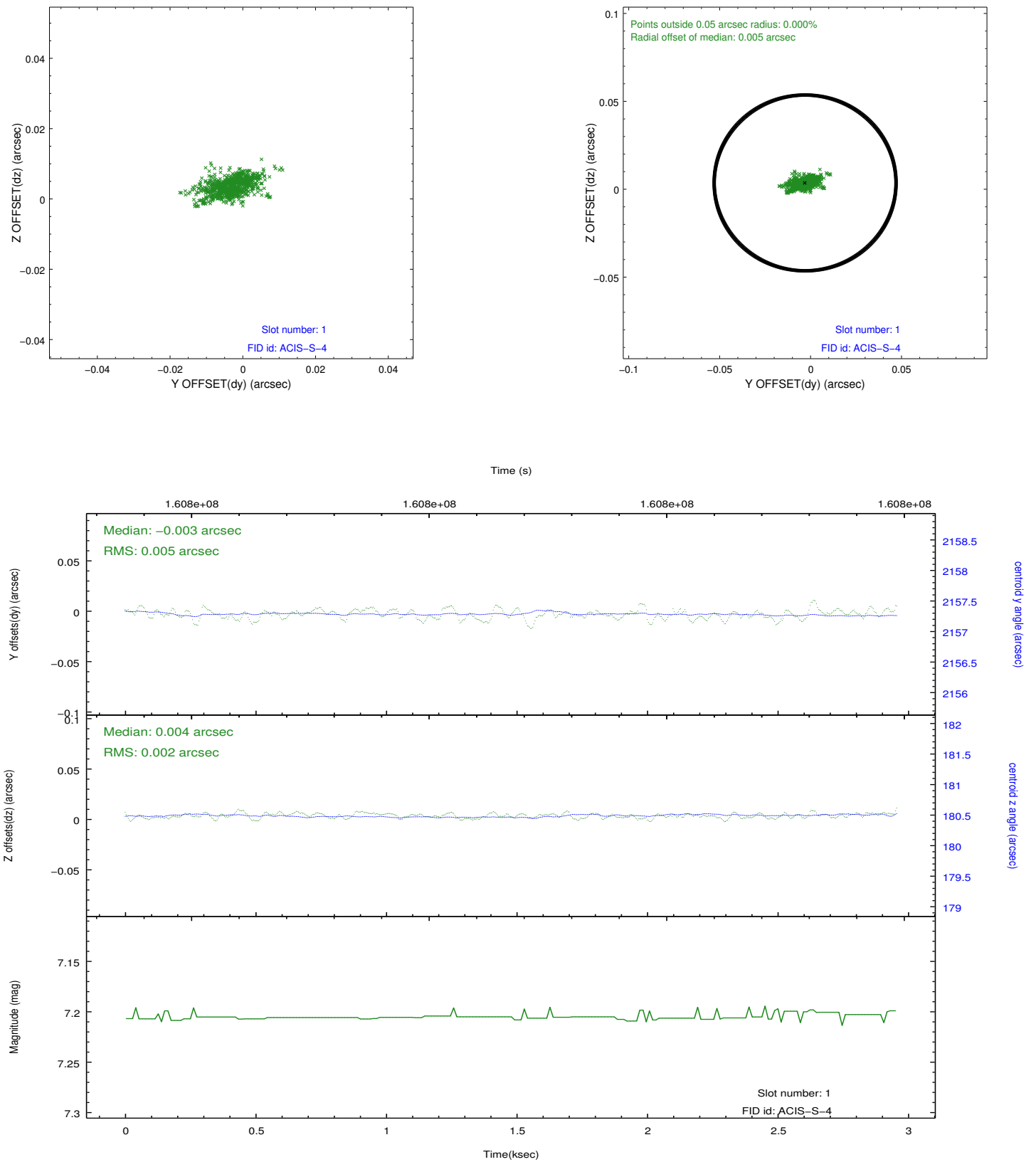


2.5 FID Slots

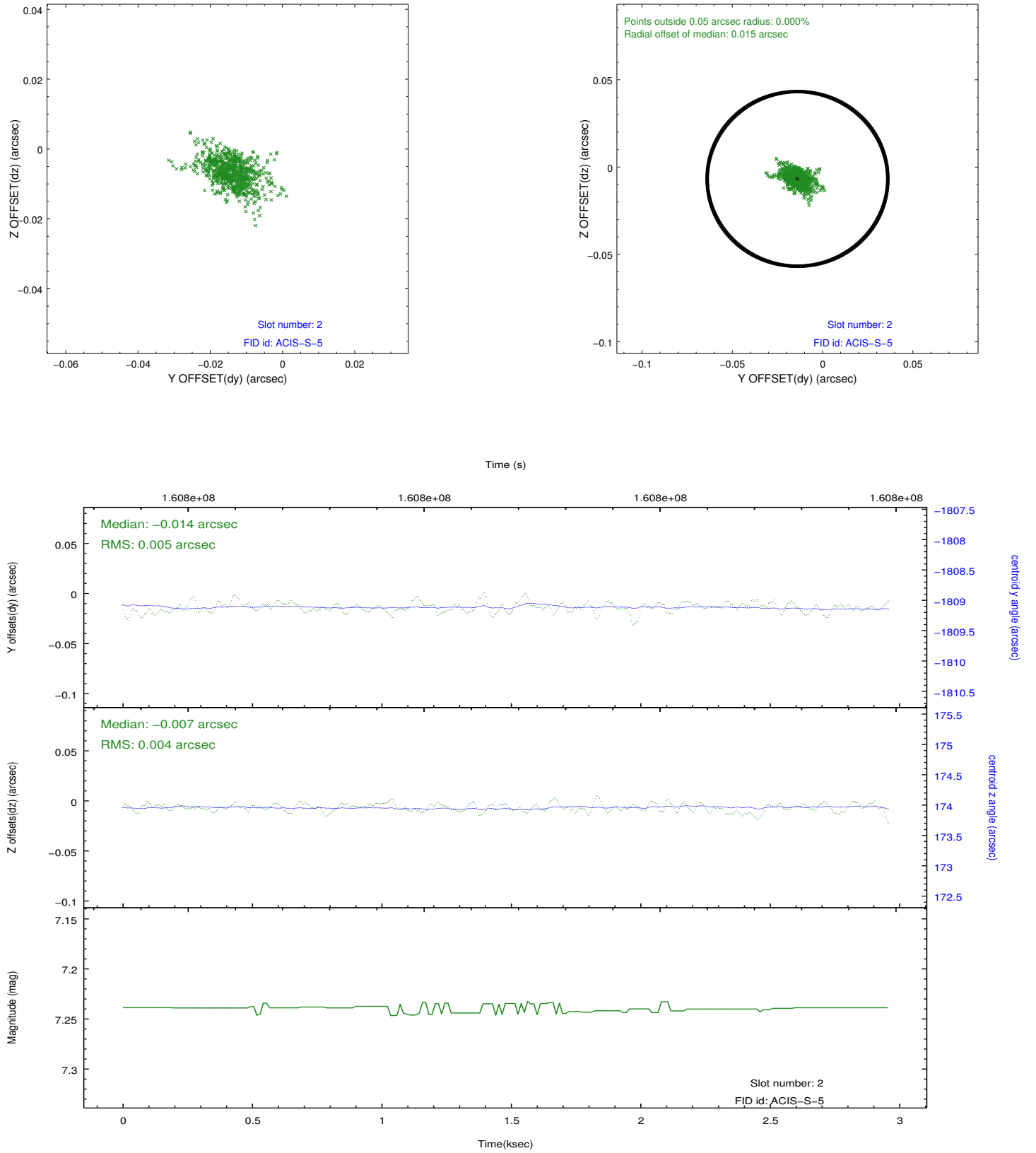
2.5.1 Slot 0



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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.987

A.2 Comments