

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4083 - L2 Version 3
Chandra X-Ray Center

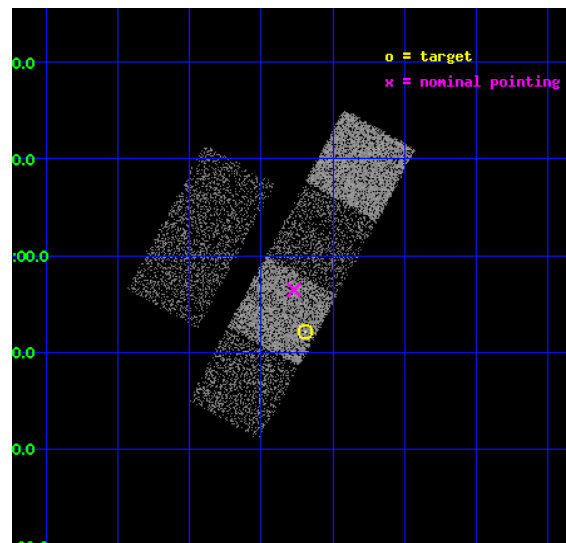
L2 Processing Date : Oct 29 2012

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1 Front

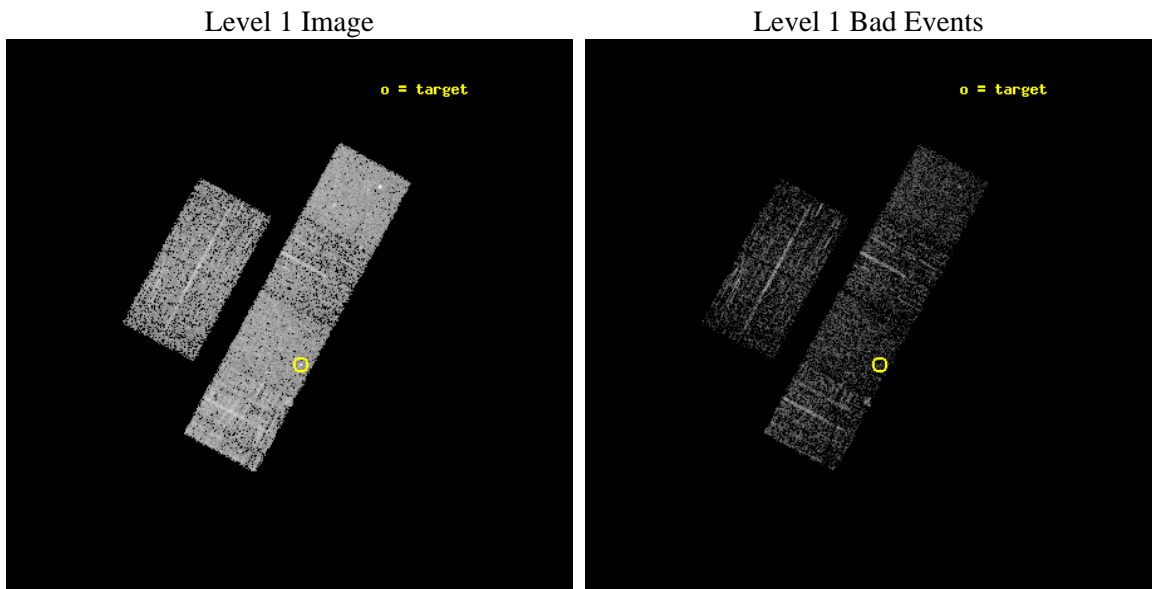
seq_num	700762	Sequence number
obs_id	4083	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J022841.48+005208.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.172917	Observer's specified target RA [deg]
dec_targ	0.869056	Observer's specified target Dec [deg]
ra_nom	37.192914342614	Nominal RA [deg]
dec_nom	0.94105216921113	Nominal Dec [deg]
roll_nom	118.4403432602	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2028.0861717761	Sum of GTIs [s]
livetime	2002.4053235021	Livetime [s]
ontime2	2028.1272117794	Sum of GTIs [s]
ontime3	2027.9630517662	Sum of GTIs [s]
ontime5	2028.0451317728	Sum of GTIs [s]
ontime6	2028.0040917695	Sum of GTIs [s]
ontime7	2028.0861717761	Sum of GTIs [s]
ontime8	2027.9220117927	Sum of GTIs [s]
l2events	19649	Number of level 2 events



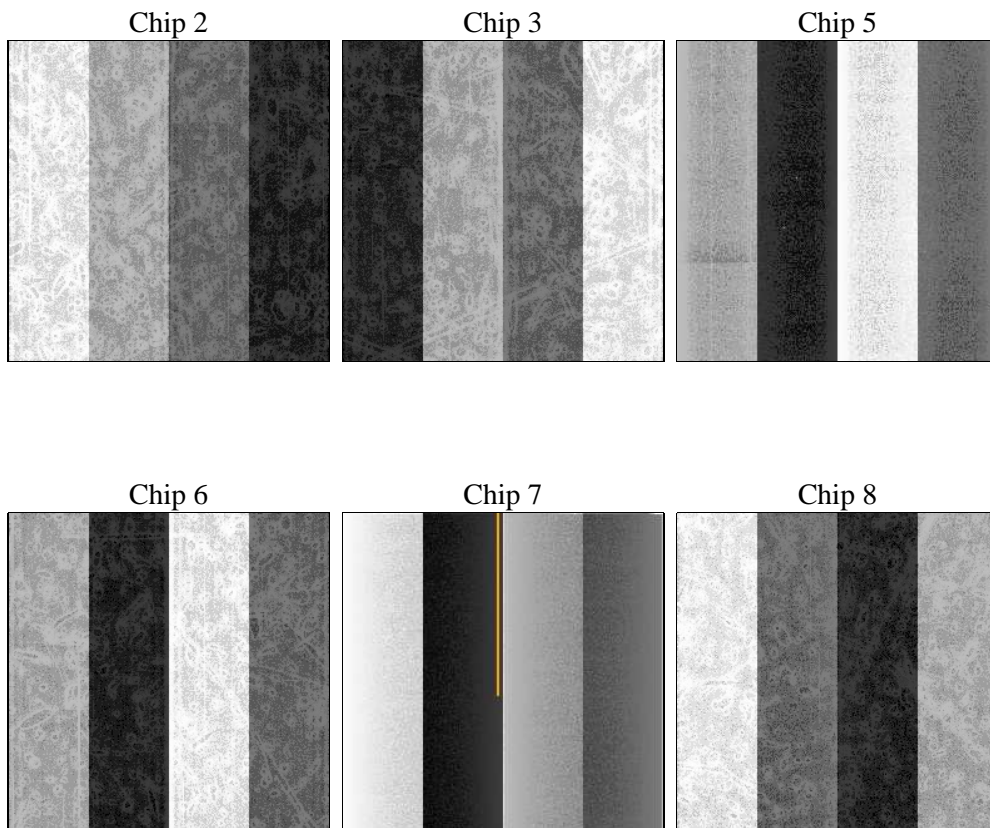
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1954.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2028.0861717761	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2028.1272117794	Sum of GTIs [s]
date	2012-10-29T17:42:58	Date and time of file creation	ontime3	2027.9630517662	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2028.0451317728	Sum of GTIs [s]
			ontime6	2028.0040917695	Sum of GTIs [s]
			ontime7	2028.0861717761	Sum of GTIs [s]
			ontime8	2027.9220117927	Sum of GTIs [s]
			l1events	89756	Number of level 1 events

2.1.4 Events

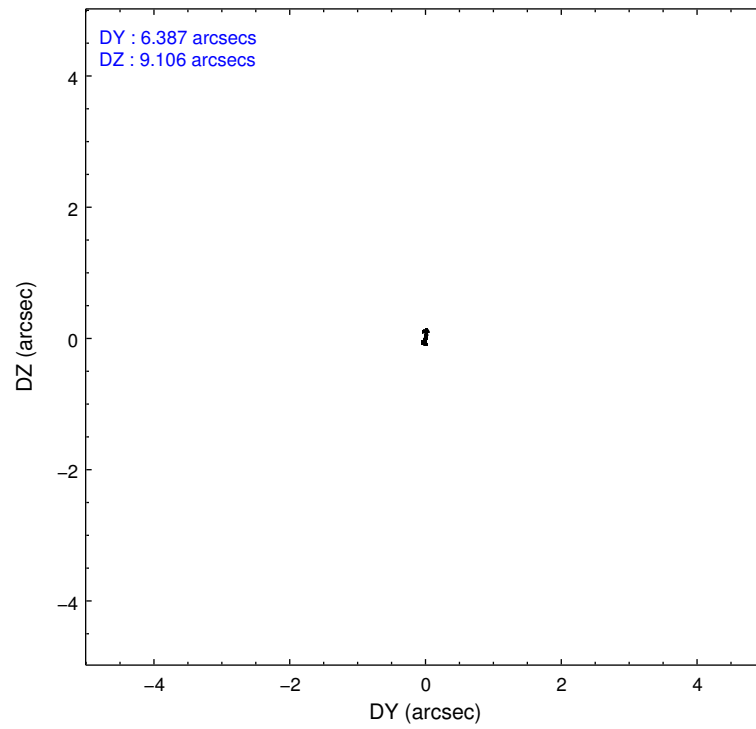
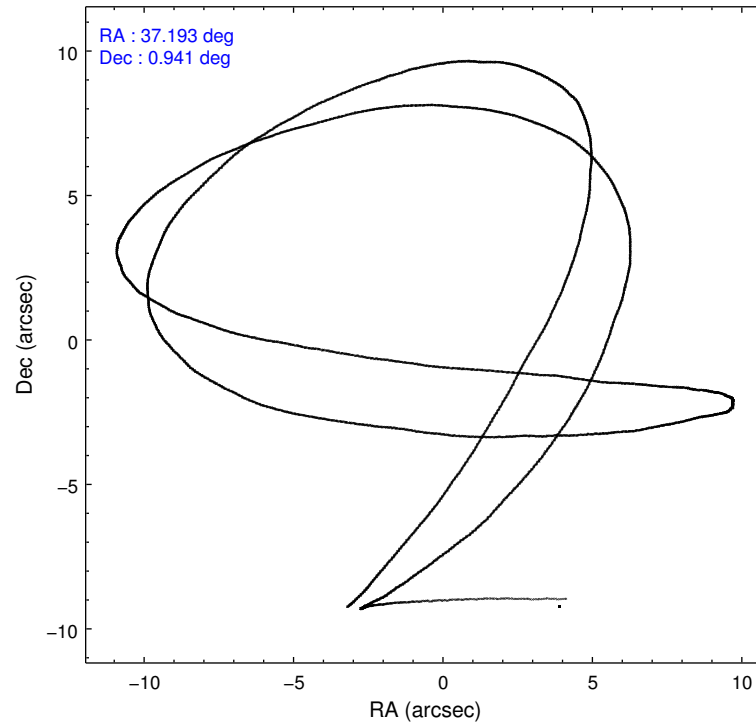
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12175	11663	17906	12523	15857	19632
rejected events	10524	10080	9783	10808	9303	12771
rejected %	86%	86%	54%	86%	58%	65%

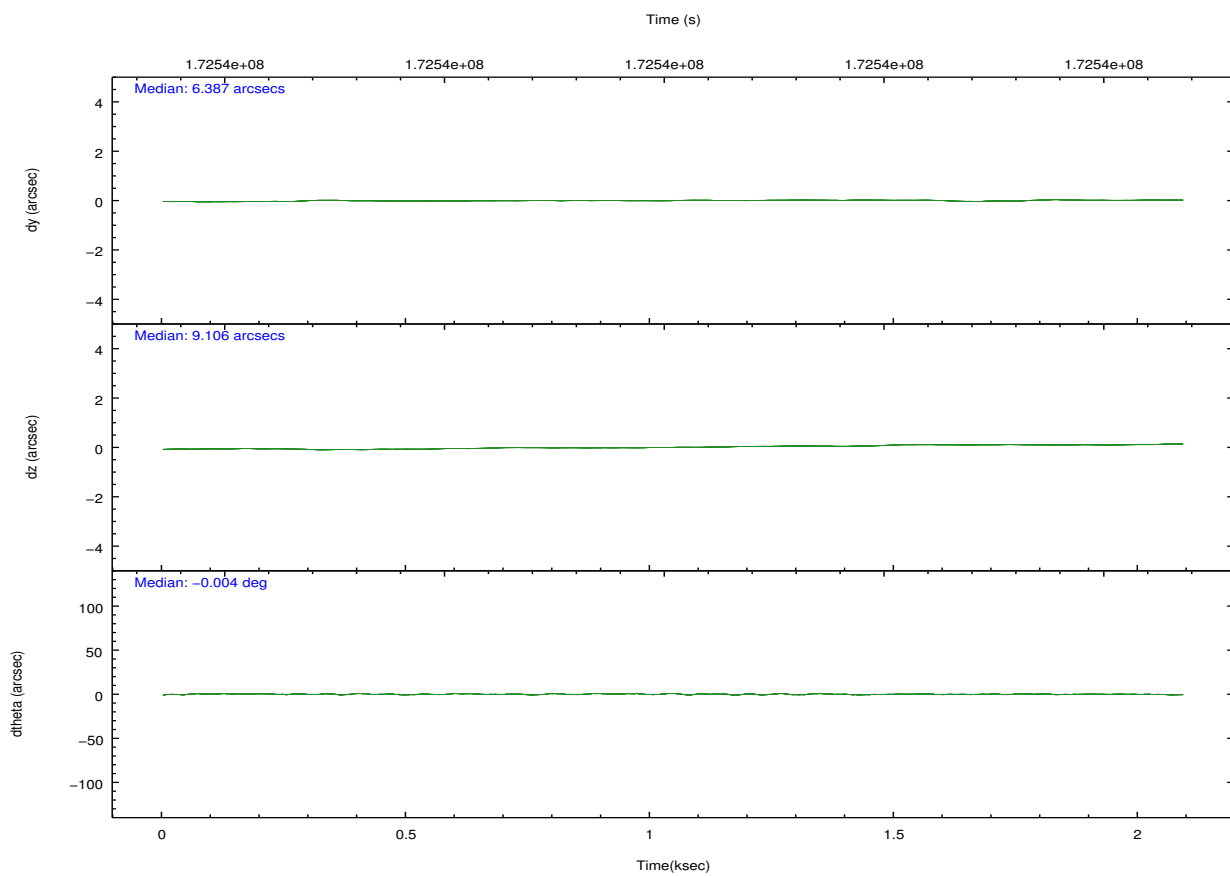
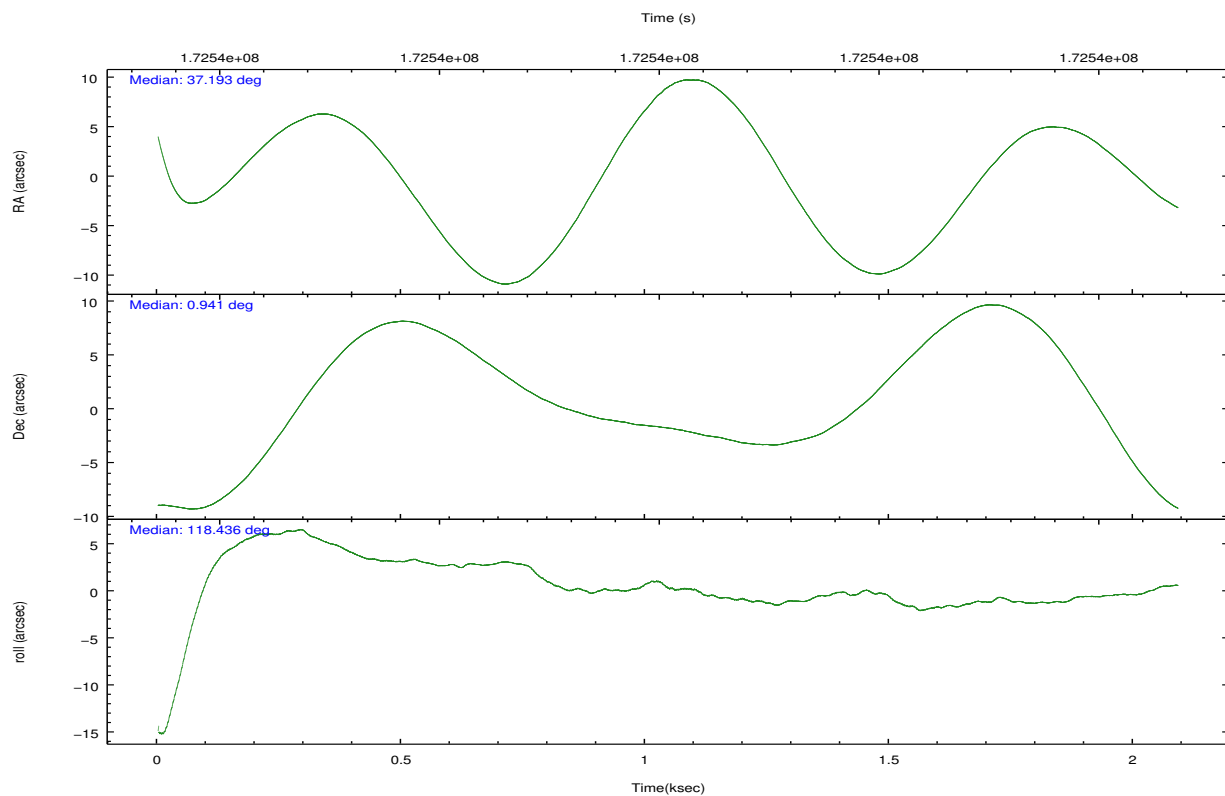
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	735	683	959	667	654	2313
	6%	5%	5%	5%	4%	11%
grade 1 events	9	3	73	6	13	15
	0%	0%	0%	0%	0%	0%
grade 2 events	378	331	2423	399	1314	1114
	3%	2%	13%	3%	8%	5%
grade 3 events	132	130	304	151	613	1098
	1%	1%	1%	1%	3%	5%
grade 4 events	142	155	288	142	546	959
	1%	1%	1%	1%	3%	4%
grade 5 events	484	498	1257	549	1458	682
	3%	4%	7%	4%	9%	3%
grade 6 events	265	288	4170	360	3438	1378
	2%	2%	23%	2%	21%	7%
grade 7 events	10030	9575	8432	10249	7821	12073
	82%	82%	47%	81%	49%	61%

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	37.216219	37.19291434261419	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.927178	0.9410521692111314	Alternating exposures requested	N	N
[deg] Pointing Roll	118.283462	118.4403432602047	[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)	172539613.184000	172538465.52754			
Observation start date	2003-06-20T23:39:09	2003-06-20T23:21:05			
[s] Observation end time (MET)	172541567.184000	172542333.87771			
Observation end date	2003-06-21T00:11:43	2003-06-21T00:25:33			
Read mode	TIMED	TIMED			

2.3 Aspect



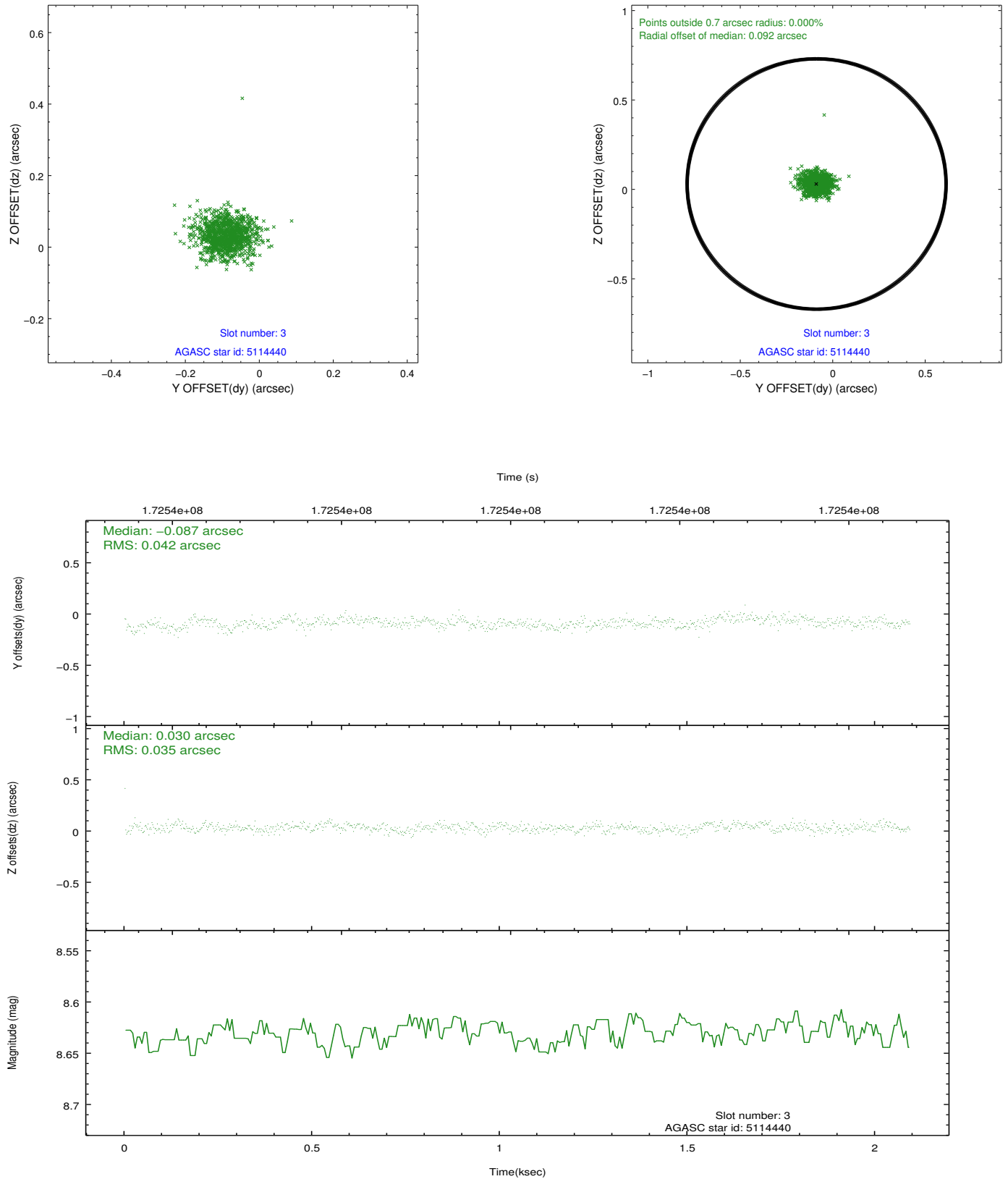


Slot Statistics

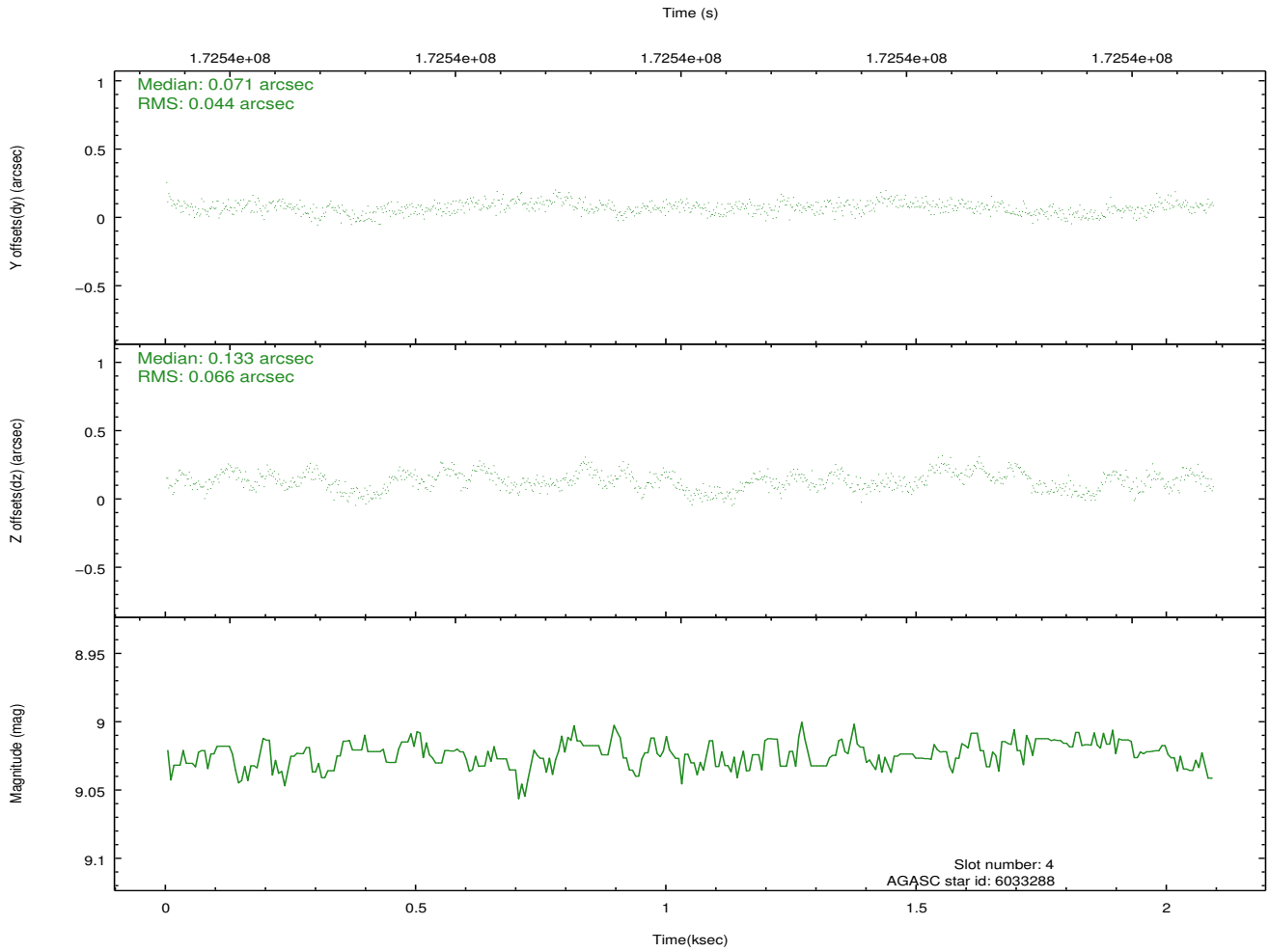
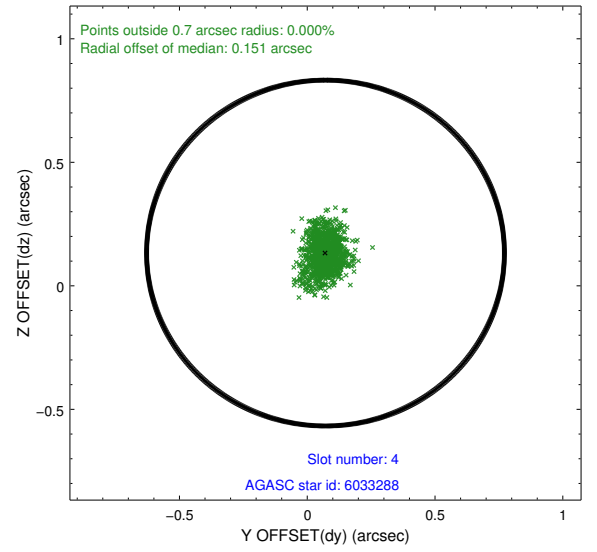
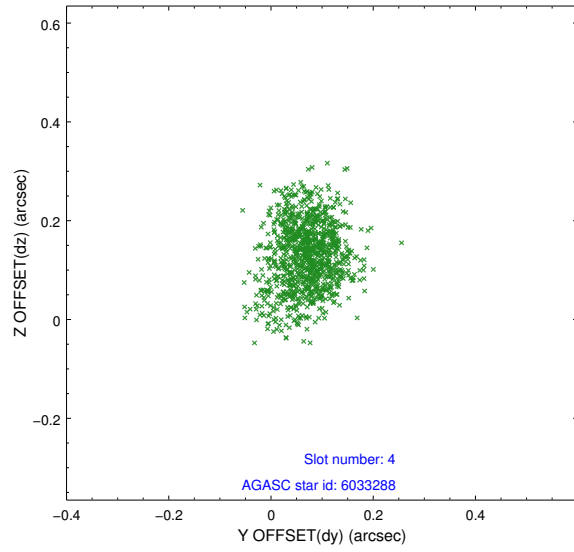
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	511	-0.052	-0.025	0.006	0.010	0.000000	0.000000	-759.17	-1730.37
1	FID	ACIS-S-4	7.20	509	0.033	0.034	0.006	0.010	0.000000	0.000000	2152.77	174.94
2	FID	ACIS-S-6	7.36	510	-0.009	-0.002	0.007	0.011	0.000000	0.000000	406.88	815.86
3	GUIDE	5114440	8.63	1021	-0.087	0.030	0.056	0.094	37.095498	1.481540	1963.70	-562.40
4	GUIDE	6033288	9.02	1021	0.071	0.133	0.084	0.139	37.919400	0.743225	-1779.52	-1915.64
5	GUIDE	6033872	9.47	1021	0.134	-0.030	0.109	0.174	37.689972	0.822033	-1142.24	-1324.24
6	GUIDE	6034024	9.70	1020	-0.017	-0.004	0.090	0.148	37.505848	1.160303	244.80	-1316.68
7	GUIDE	5115488	9.22	1019	-0.095	-0.128	0.082	0.133	36.407489	1.225671	2326.53	2053.06

2.4 Star Slots

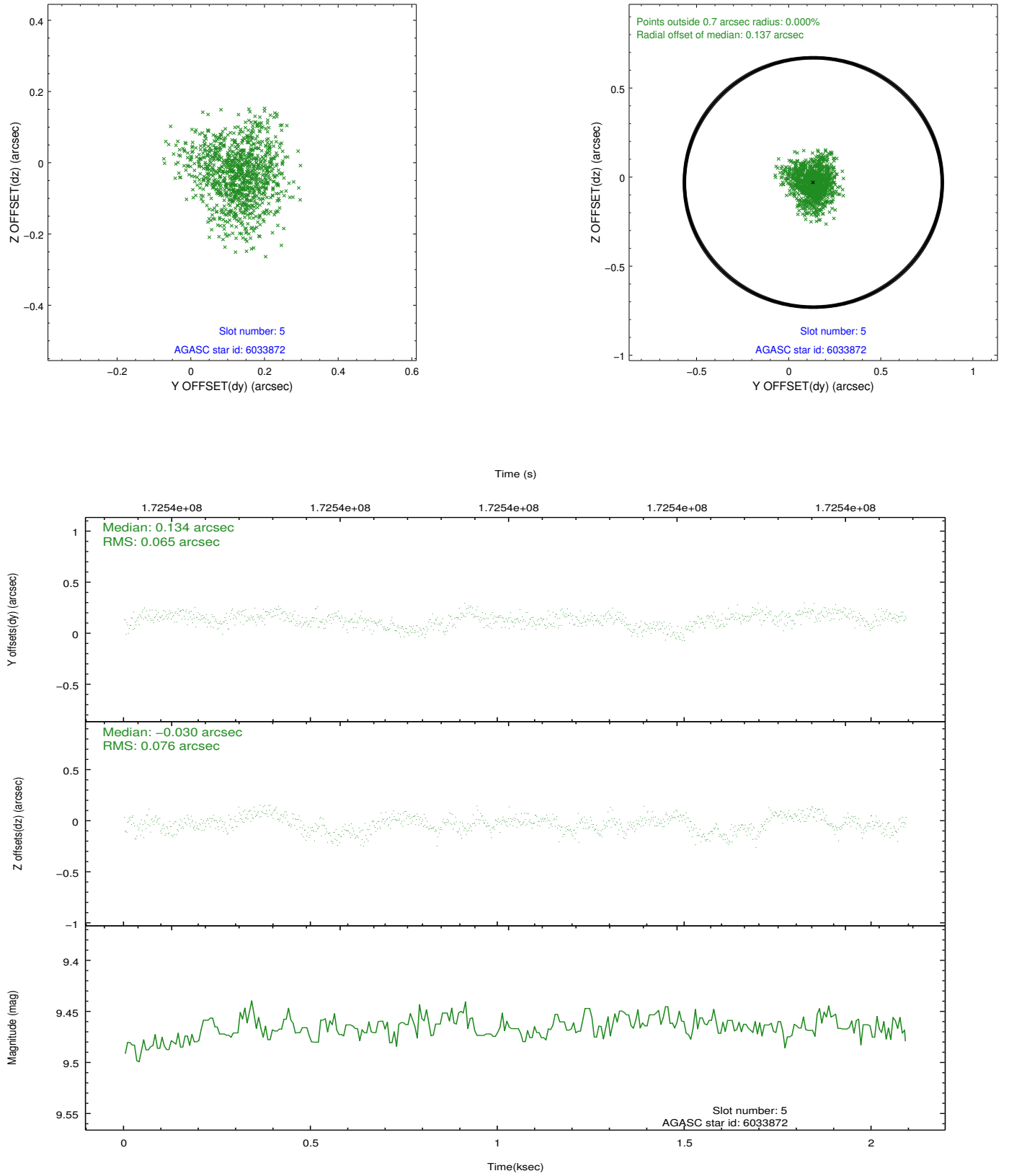
2.4.1 Slot 3



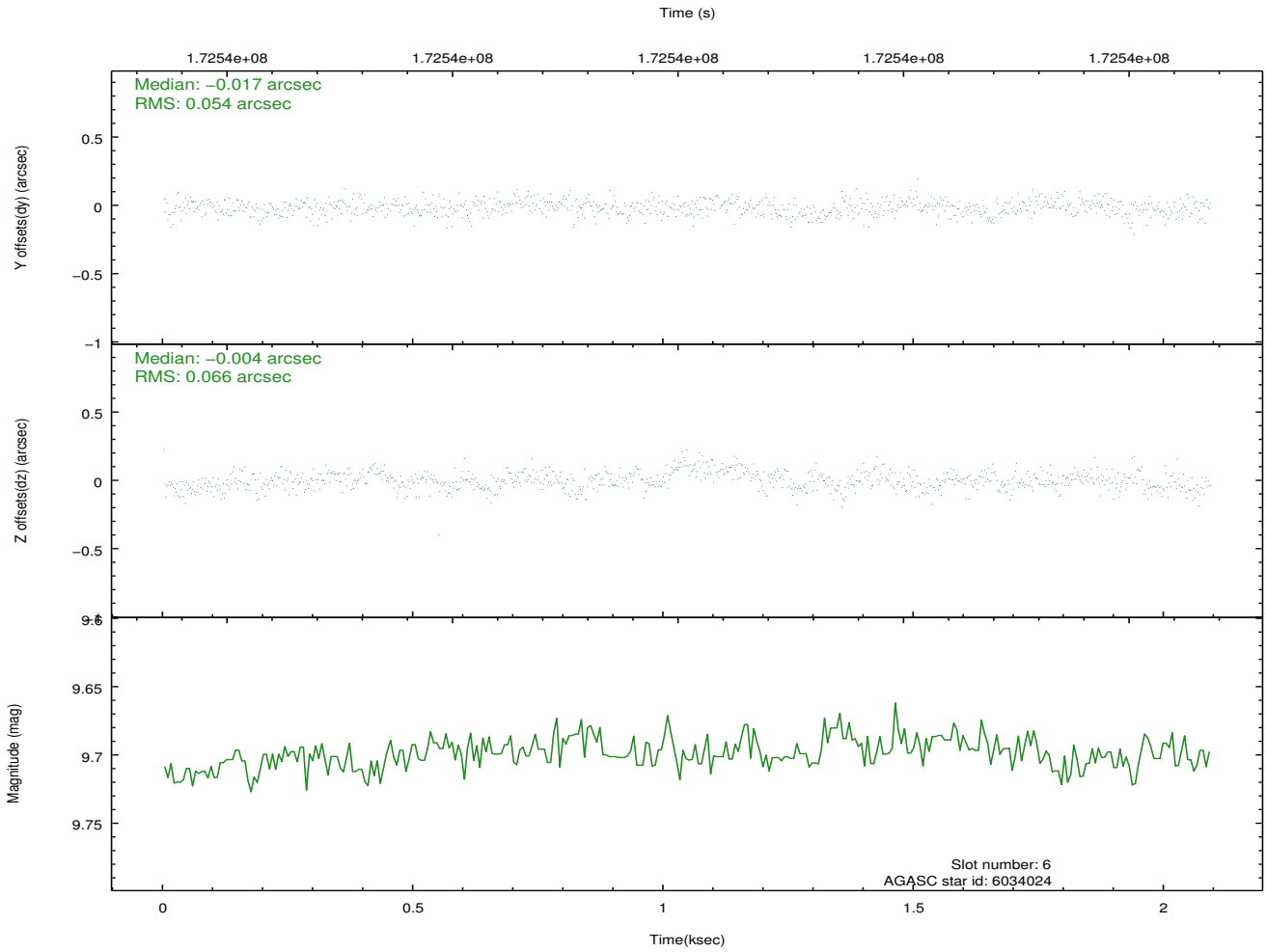
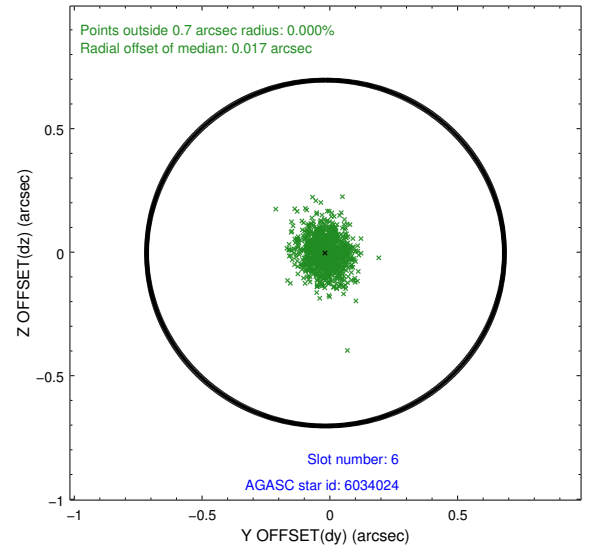
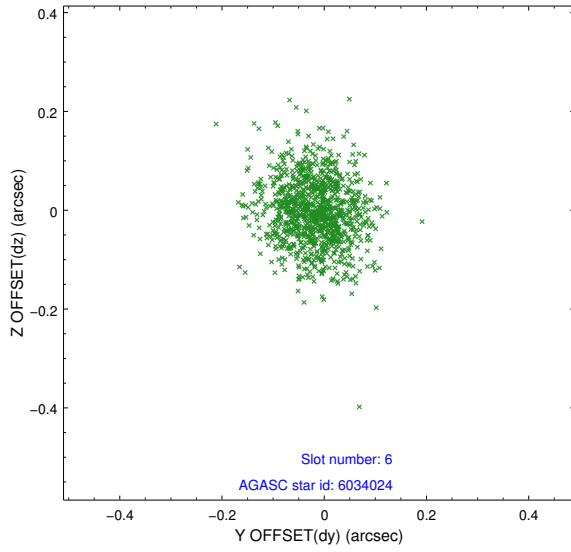
2.4.2 Slot 4



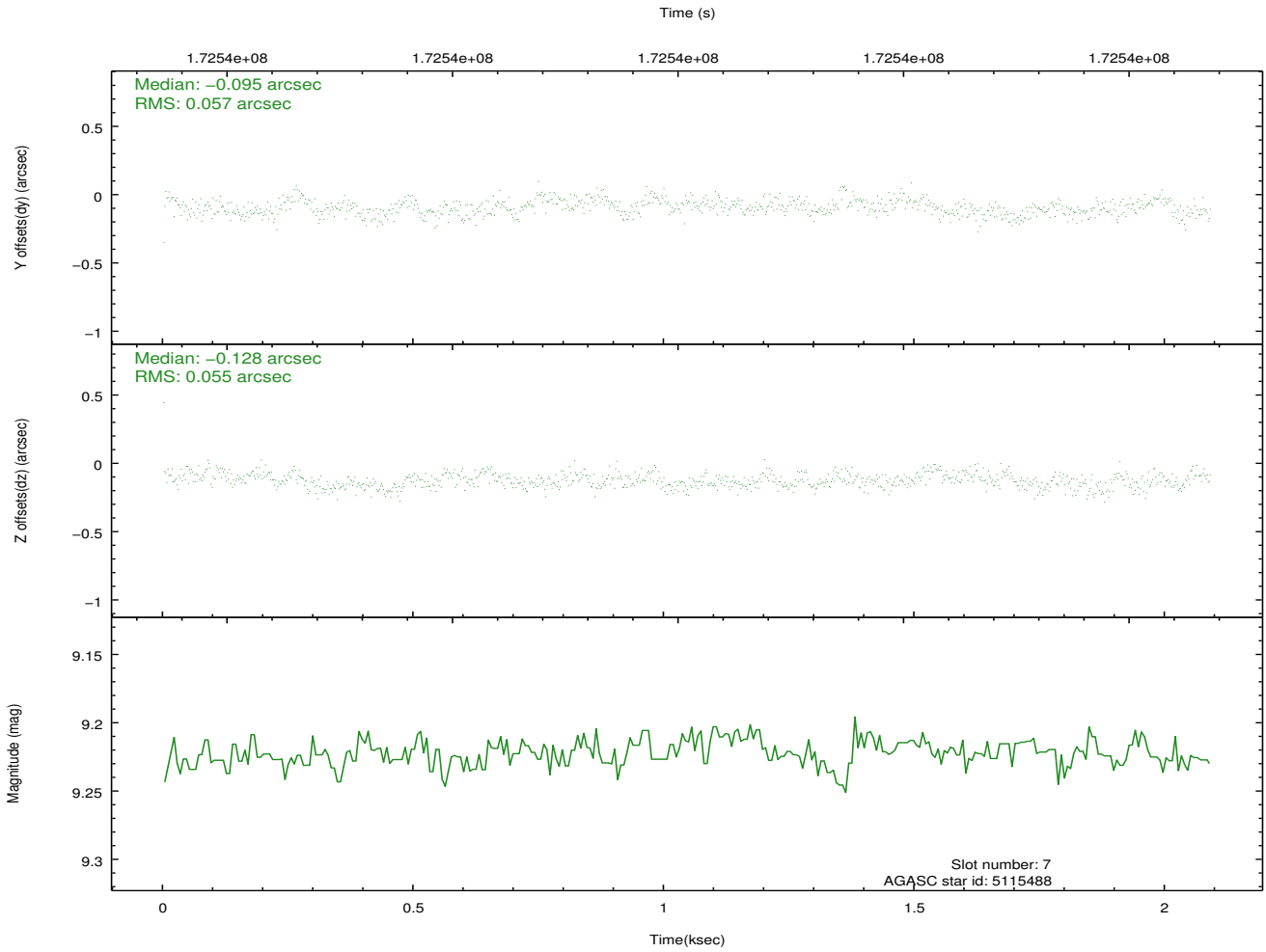
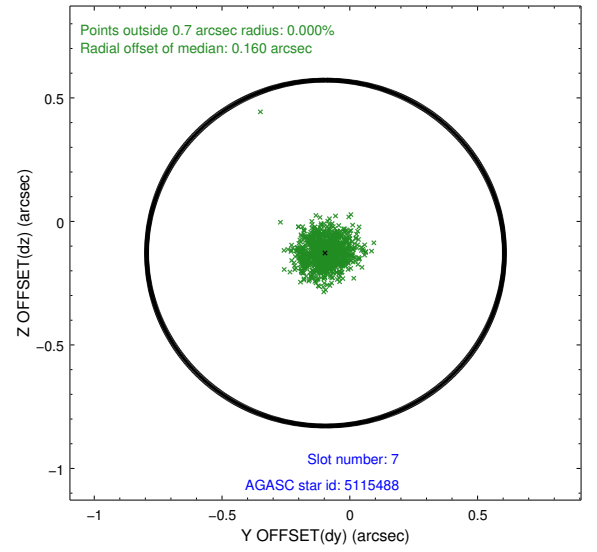
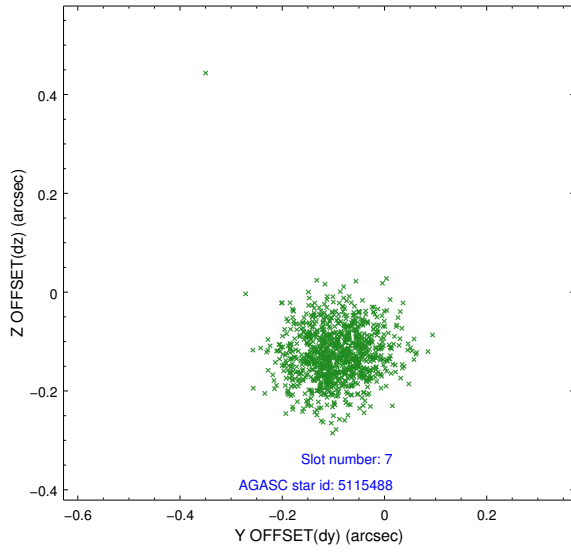
2.4.3 Slot 5



2.4.4 Slot 6

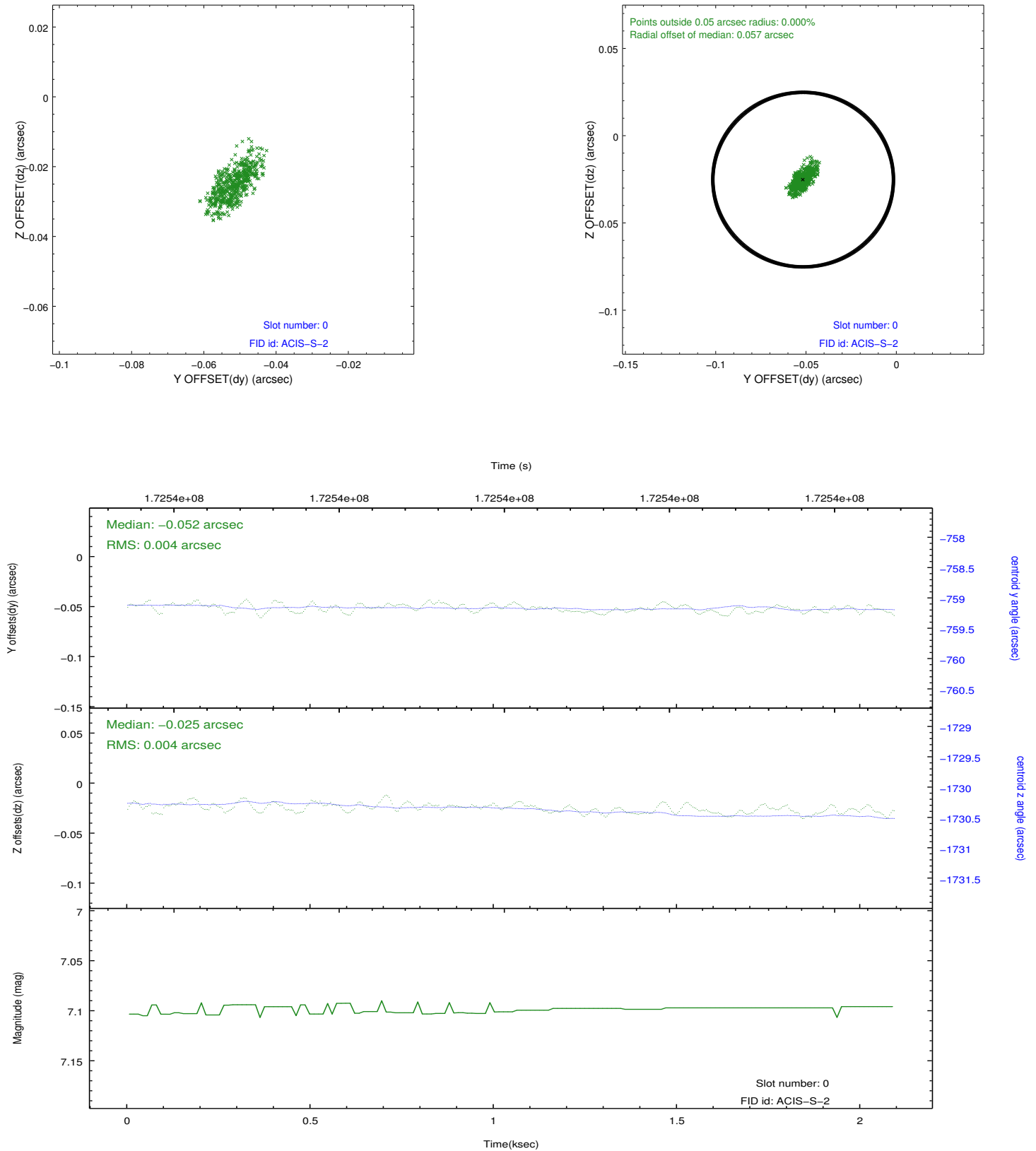


2.4.5 Slot 7

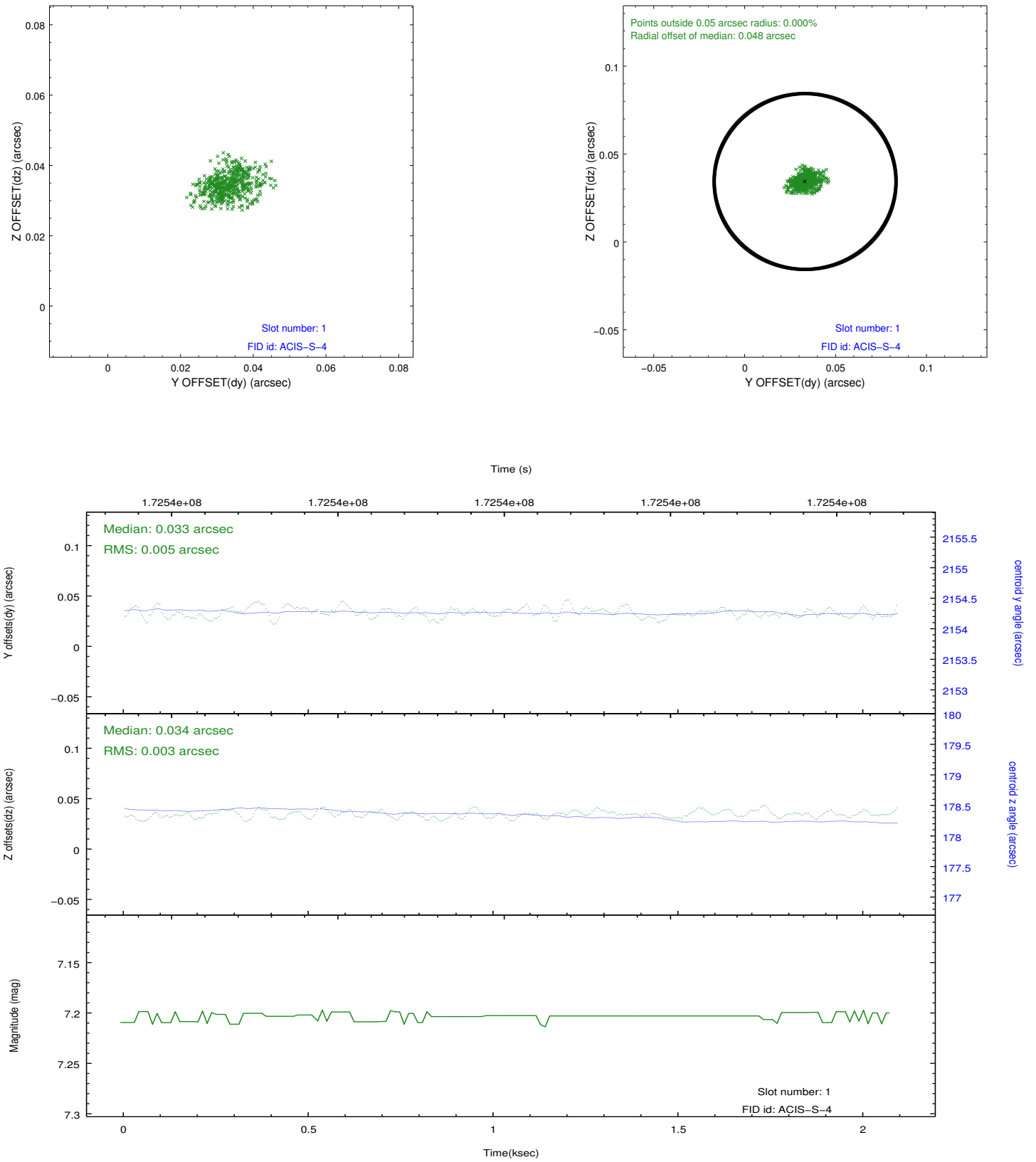


2.5 FID Slots

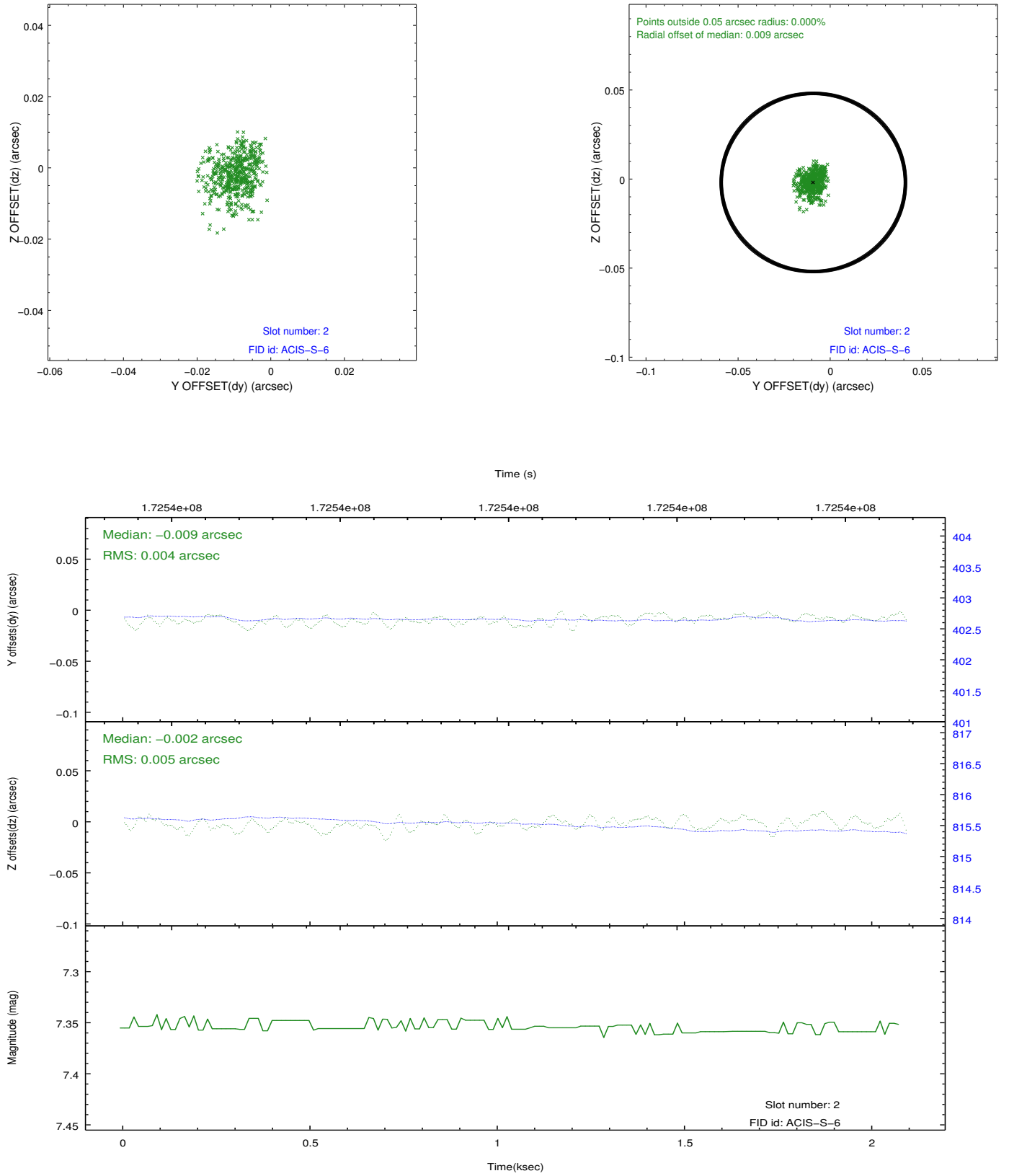
2.5.1 Slot 0



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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03

A.2 Comments