

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5721 - L2 Version 2
Chandra X-Ray Center

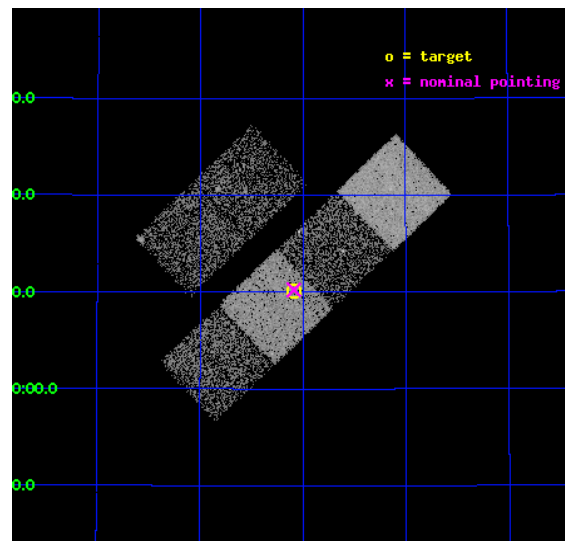
L2 Processing Date : Mar 28 2012

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1 Front

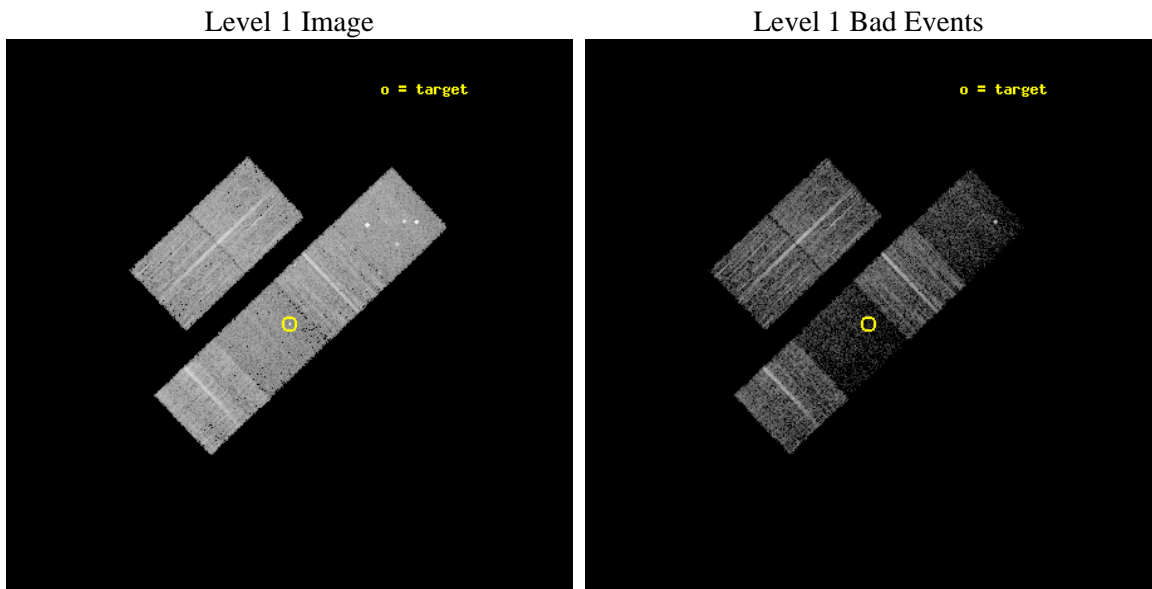
seq_num	701143	Sequence number
obs_id	5721	Observation id
title	What kind of Jets does Nature make? X-ray characterization of the FIRST Flat Spectrum Sample	Proposal title
observer	Dr. Giovanni Fossati	Principal investigator
object	87GB 1437+4423	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.771667	Observer's specified target RA [deg]
dec_targ	44.168639	Observer's specified target Dec [deg]
ra_nom	219.7718841755	Nominal RA [deg]
dec_nom	44.170753578211	Nominal Dec [deg]
roll_nom	136.36922621526	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5955.1999778152	Sum of GTIs [s]
livetime	5879.7916499051	Livetime [s]
ontime2	5955.1999778152	Sum of GTIs [s]
ontime3	5955.1999778152	Sum of GTIs [s]
ontime5	5955.1999778152	Sum of GTIs [s]
ontime6	5955.1999778152	Sum of GTIs [s]
ontime7	5955.1999778152	Sum of GTIs [s]
ontime8	5955.1999778152	Sum of GTIs [s]
l2events	41597	Number of level 2 events



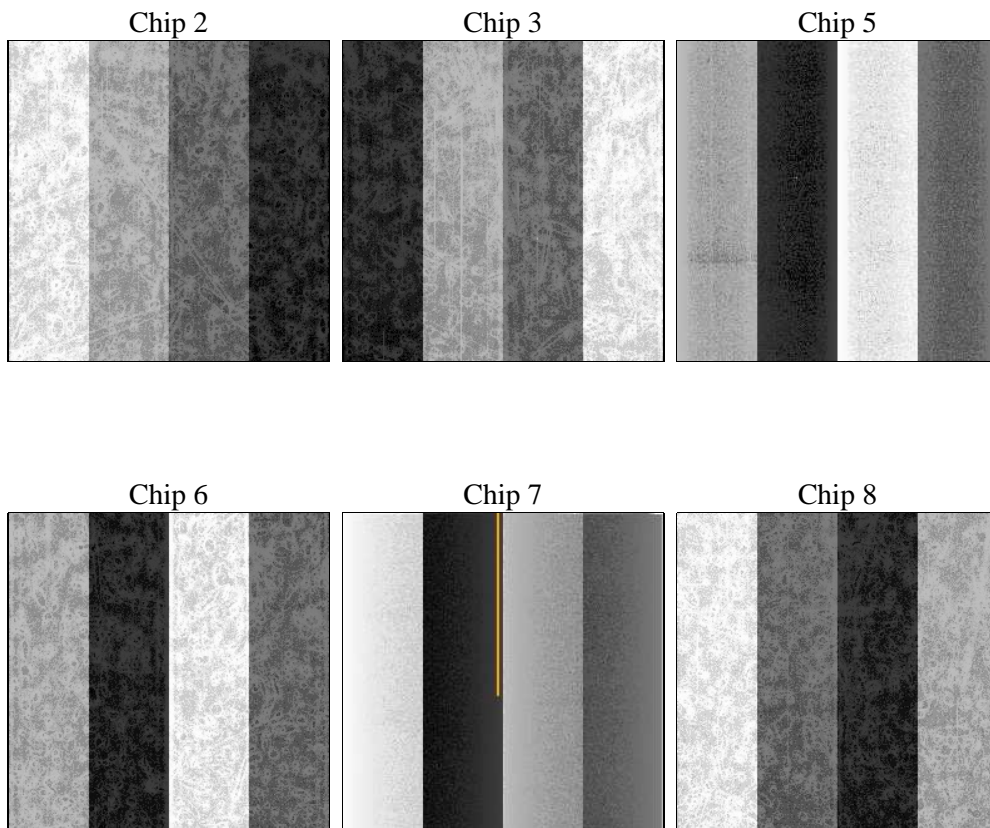
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5955.1999778152	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	5955.1999778152	Sum of GTIs [s]
date	2012-03-28T21:21:14	Date and time of file creation	ontime3	5955.1999778152	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5955.1999778152	Sum of GTIs [s]
			ontime6	5955.1999778152	Sum of GTIs [s]
			ontime7	5955.1999778152	Sum of GTIs [s]
			ontime8	5955.1999778152	Sum of GTIs [s]
			l1events	211281	Number of level 1 events

2.1.4 Events

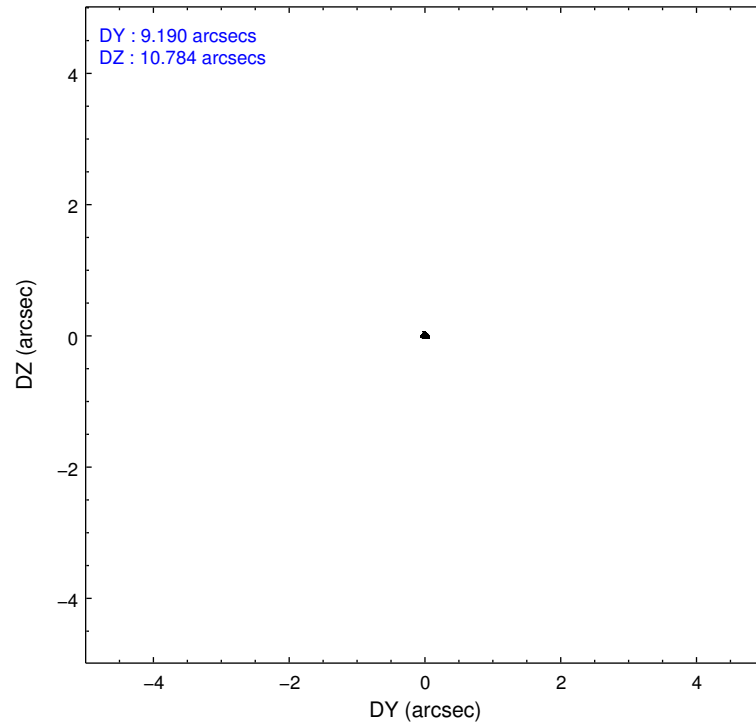
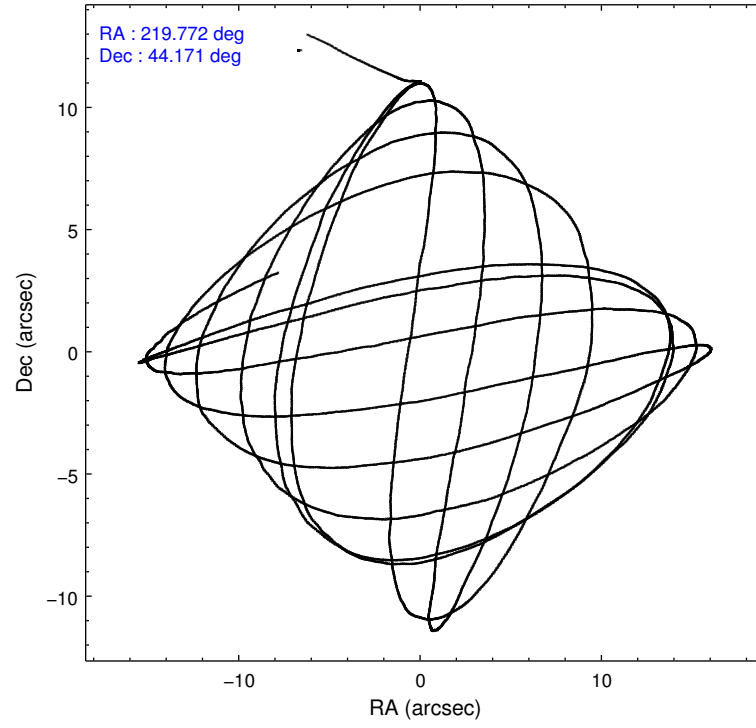
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39827	35771	34771	37014	21822	42076
rejected events	36541	32830	13255	33472	9176	31357
rejected %	91%	91%	38%	90%	42%	74%

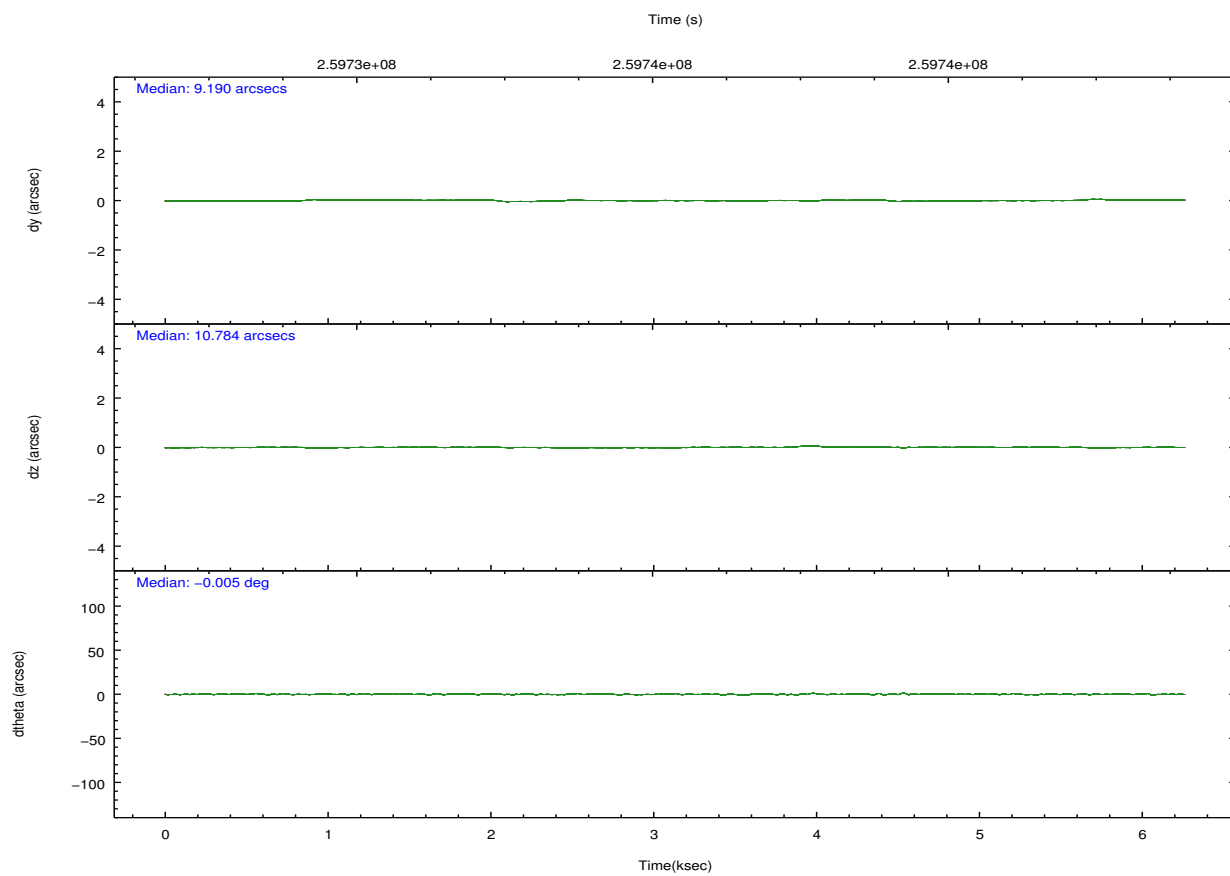
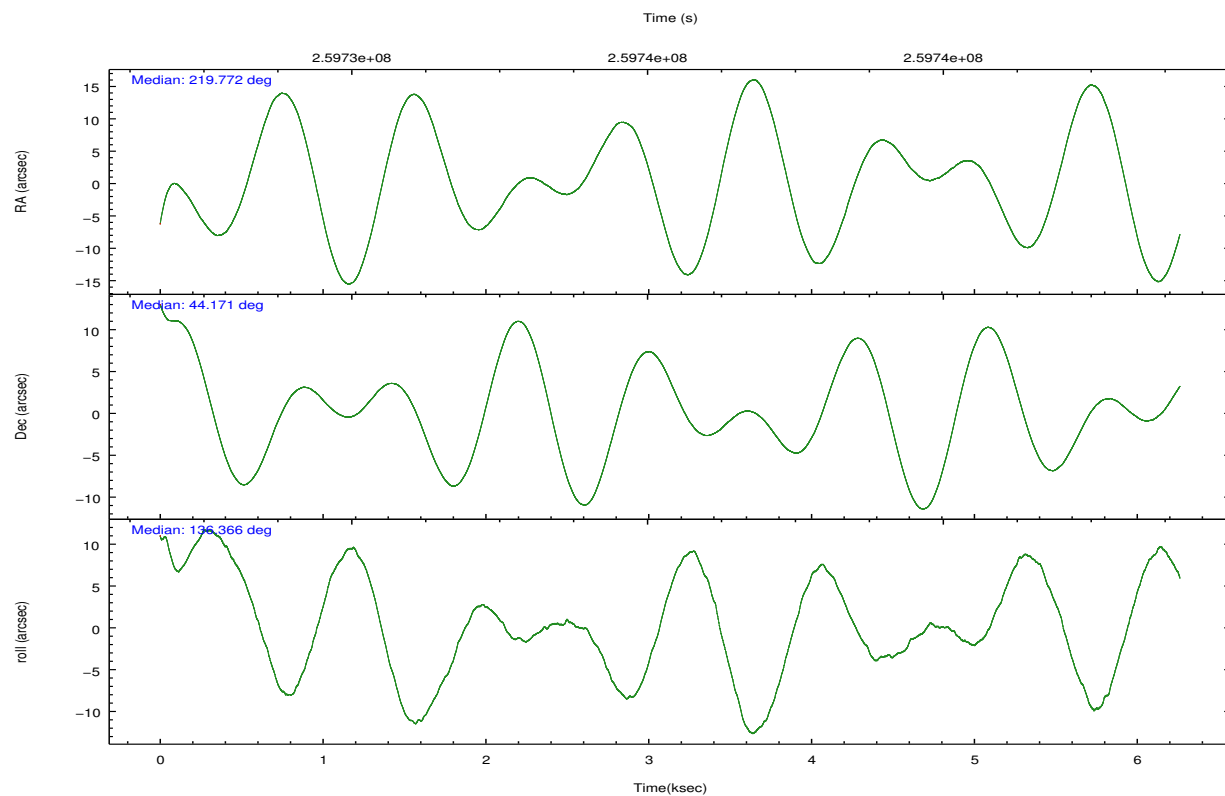
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1377	1284	4021	1523	1558	3221
	3%	3%	11%	4%	7%	7%
grade 1 events	21	30	401	20	36	45
	0%	0%	1%	0%	0%	0%
grade 2 events	779	600	6612	703	2945	2592
	1%	1%	19%	1%	13%	6%
grade 3 events	331	322	1056	373	1302	1081
	0%	0%	3%	1%	5%	2%
grade 4 events	323	304	1057	360	1314	1025
	0%	0%	3%	0%	6%	2%
grade 5 events	595	722	2547	701	2271	1276
	1%	2%	7%	1%	10%	3%
grade 6 events	480	432	8774	585	5538	2803
	1%	1%	25%	1%	25%	6%
grade 7 events	35921	32077	10303	32749	6858	30033
	90%	89%	29%	88%	31%	71%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	219.809036	219.7718841754969	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.164638	44.17075357821123	Alternating exposures requested	N	N
[deg] Pointing Roll	136.186711	136.3692262152571	[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)	259733287.184000	259732284.34107			
Observation start date	2006-03-26T04:07:02	2006-03-26T03:51:24			
[s] Observation end time (MET)	259739287.184000	259739538.2664			
Observation end date	2006-03-26T05:47:02	2006-03-26T05:52:18			
Read mode	TIMED	TIMED			

2.3 Aspect



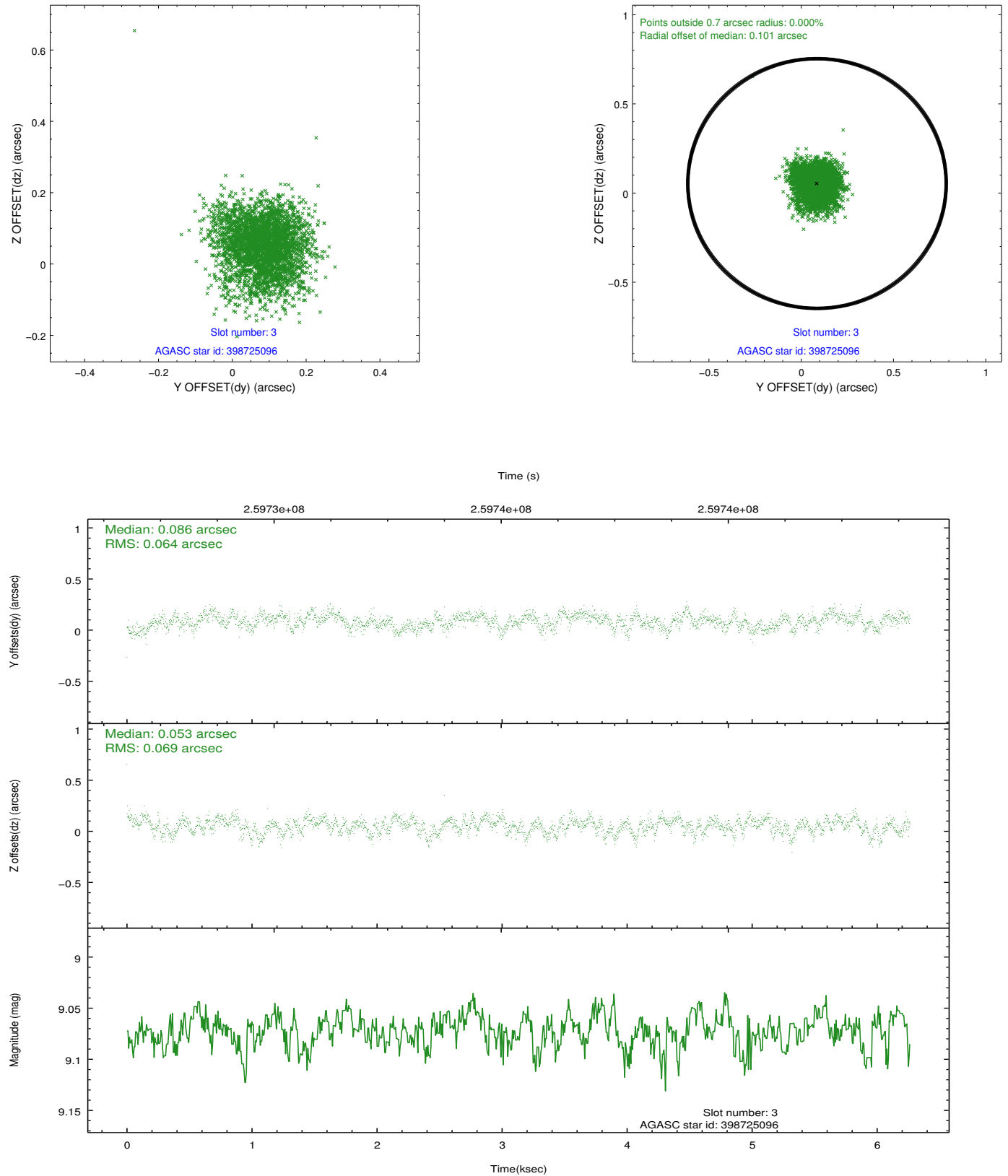


Slot Statistics

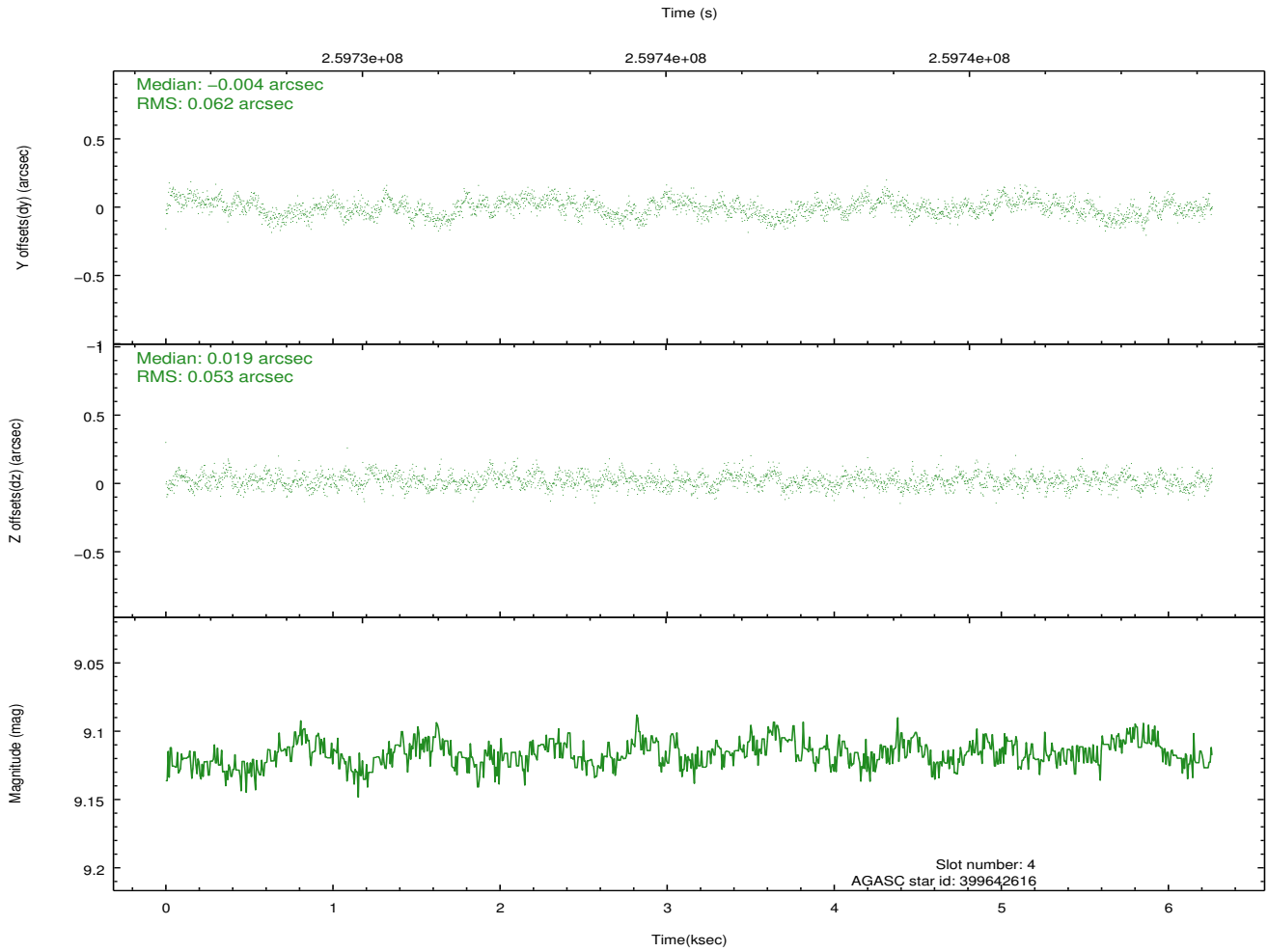
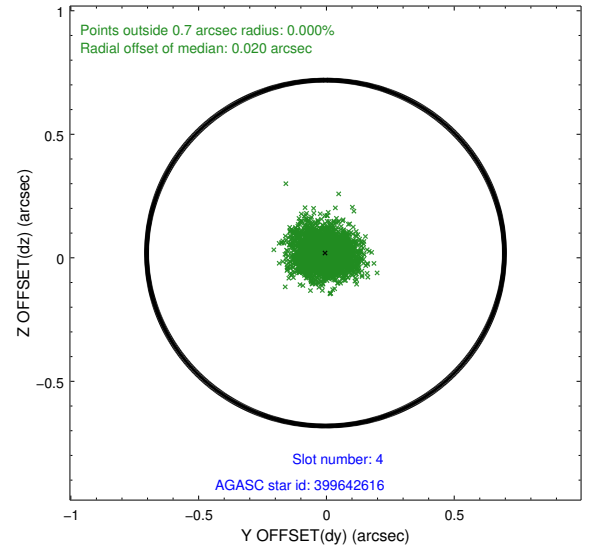
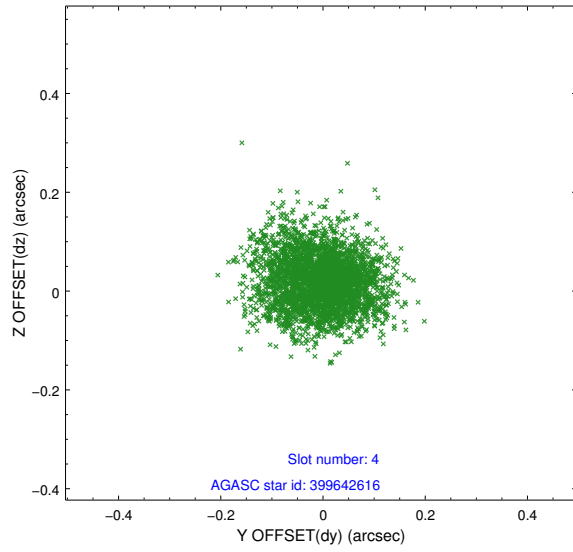
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1528	-0.050	-0.026	0.006	0.011	0.000000	0.000000	-762.02	-1732.09
1	FID	ACIS-S-4	7.21	1528	0.171	0.031	0.005	0.009	0.000000	0.000000	2151.02	175.53
2	FID	ACIS-S-5	7.23	1528	-0.152	0.004	0.007	0.012	0.000000	0.000000	-1813.79	170.17
3	GUIDE	398725096	9.07	3056	0.086	0.053	0.101	0.161	219.105961	44.015947	948.15	1640.96
4	GUIDE	399642616	9.12	3056	-0.004	0.019	0.088	0.141	220.769012	43.994258	-2208.37	-1288.63
5	GUIDE	399645520	9.16	3053	-0.020	0.023	0.074	0.121	220.243690	44.592142	262.72	-1884.45
6	GUIDE	398721168	9.02	3055	-0.087	0.005	0.064	0.106	218.838765	44.196948	1897.66	1639.12
7	GUIDE	398723400	8.91	3055	0.032	-0.098	0.066	0.109	219.721634	43.928220	-425.28	771.49

2.4 Star Slots

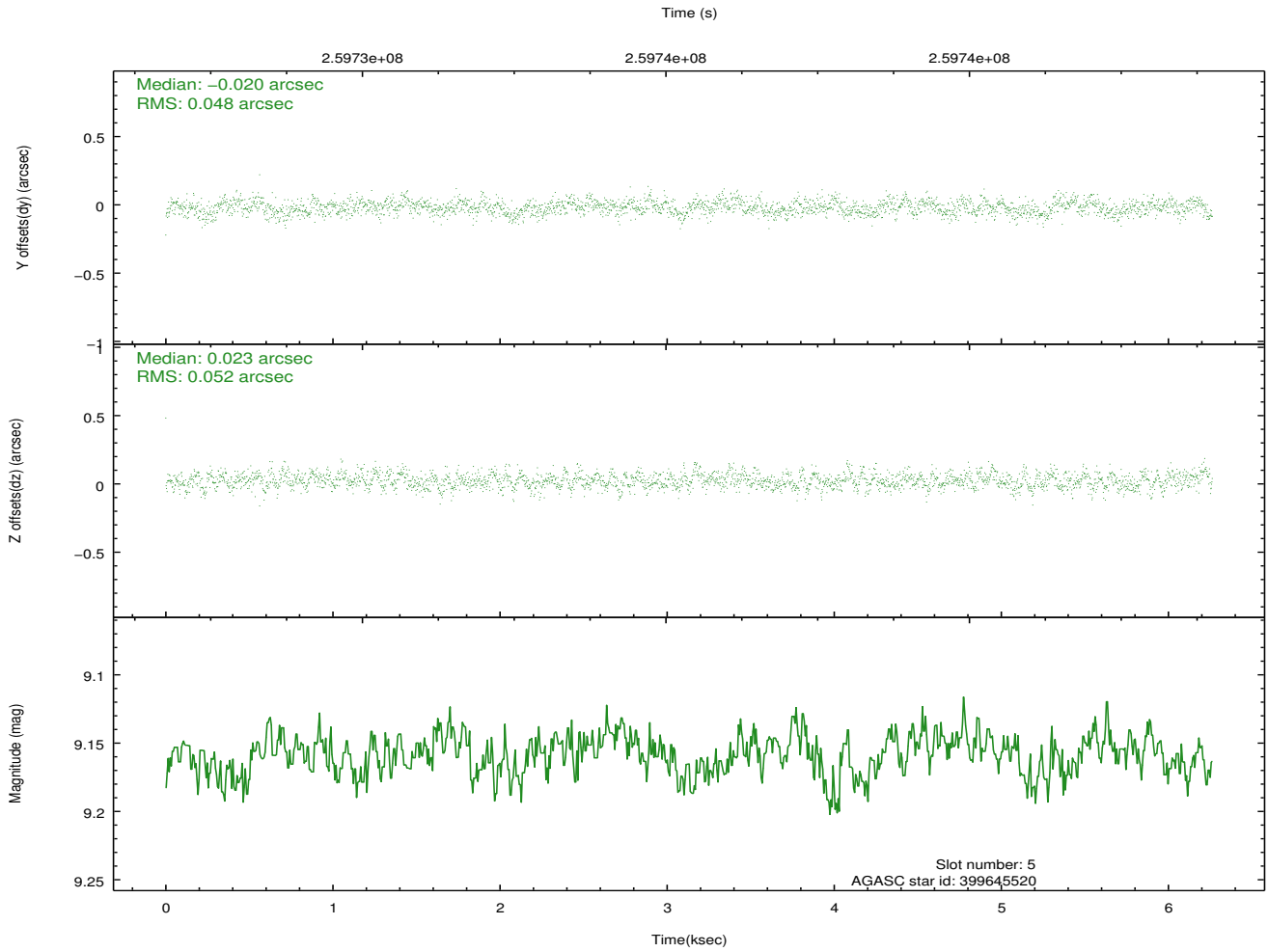
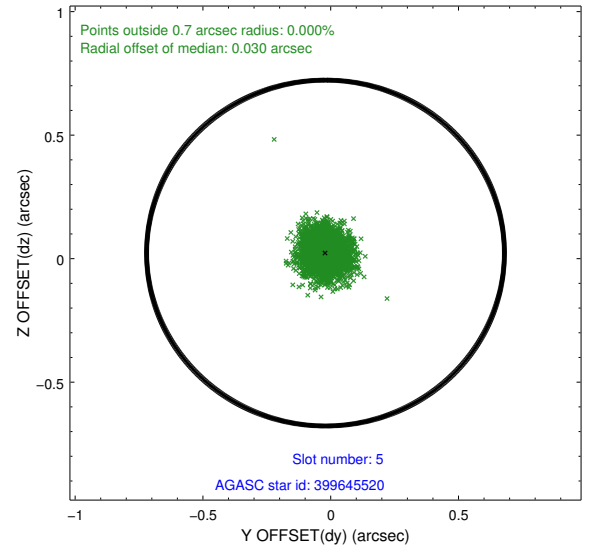
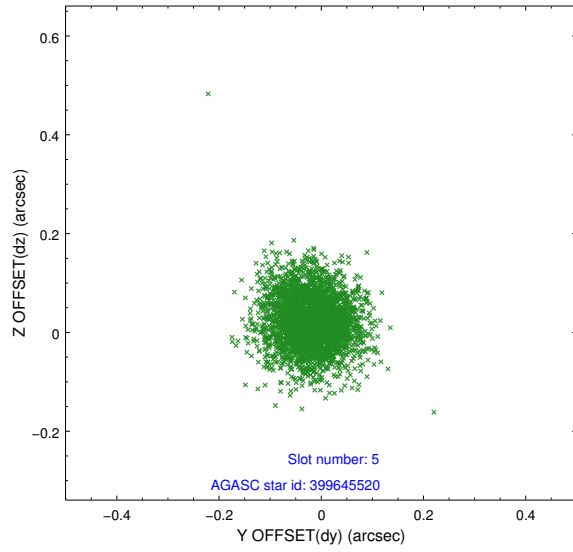
2.4.1 Slot 3



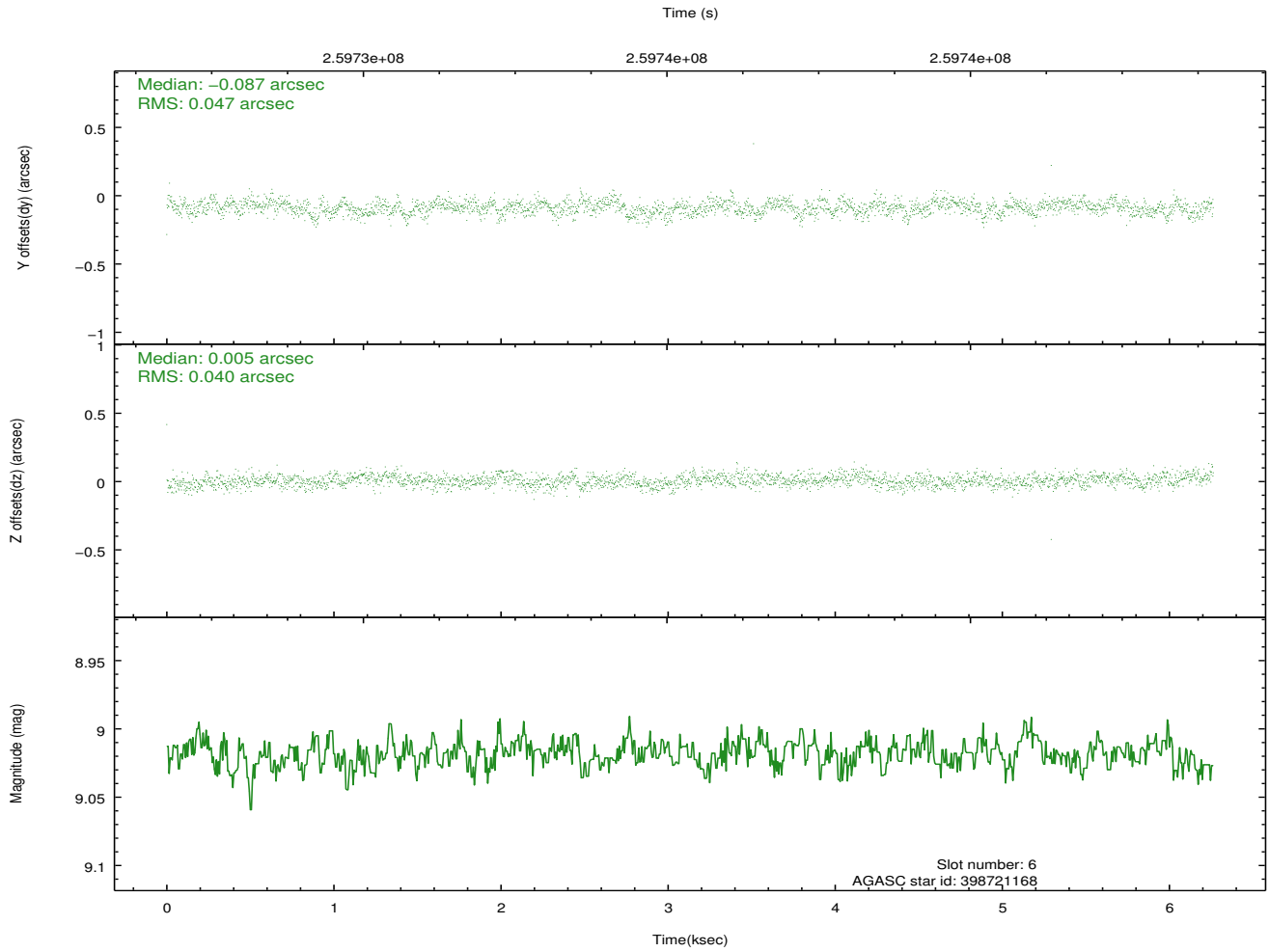
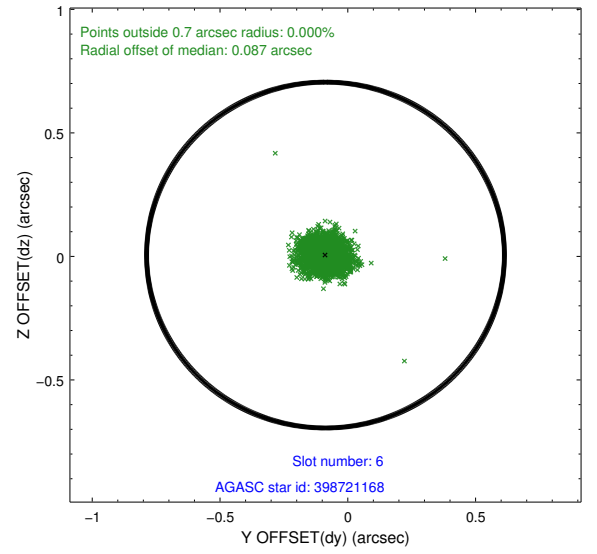
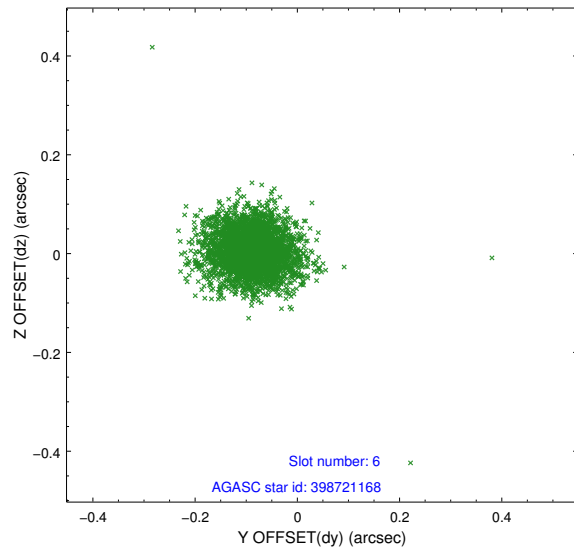
2.4.2 Slot 4



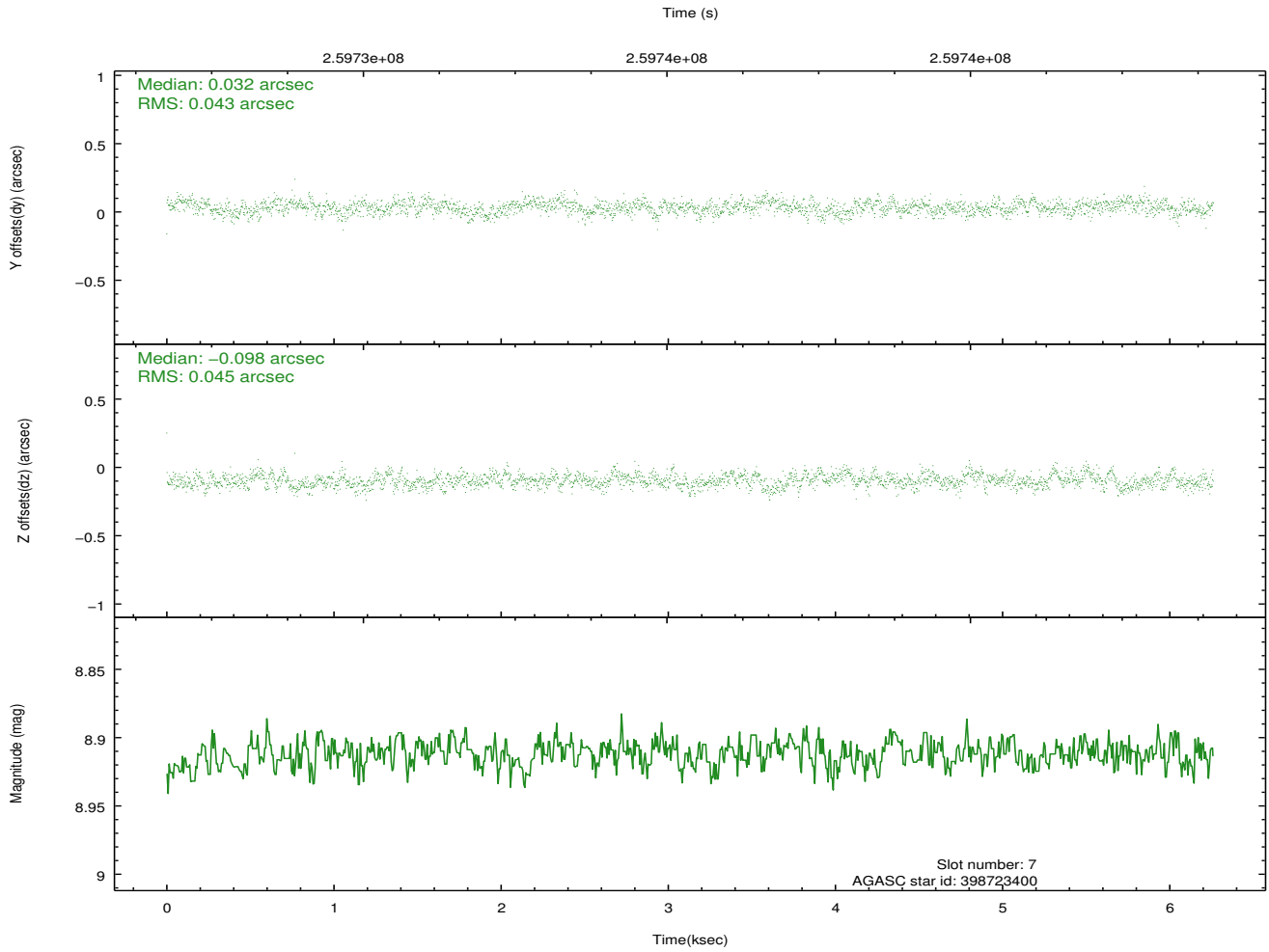
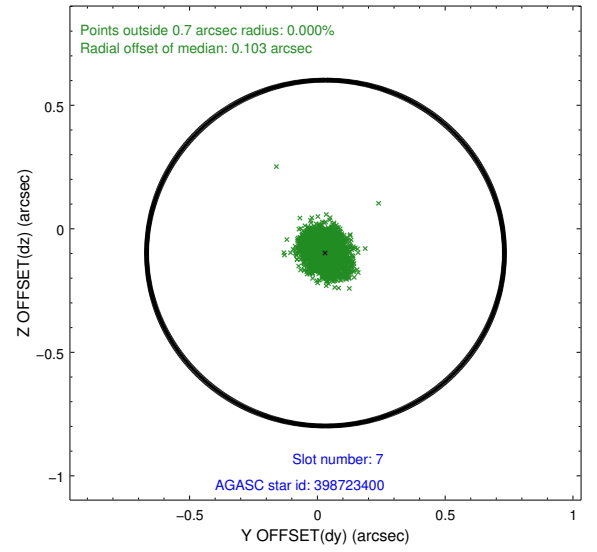
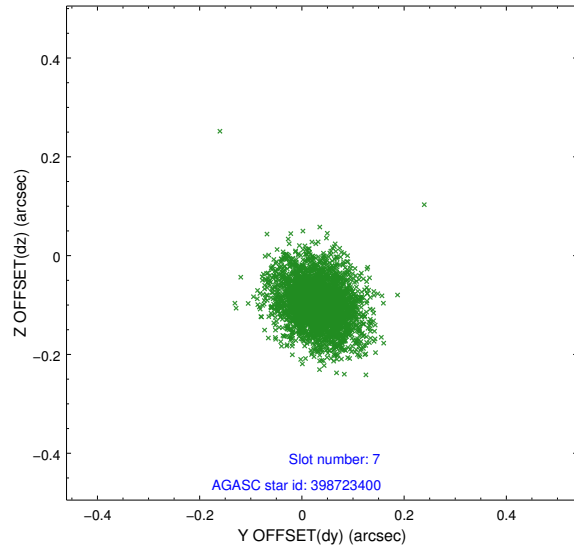
2.4.3 Slot 5



2.4.4 Slot 6

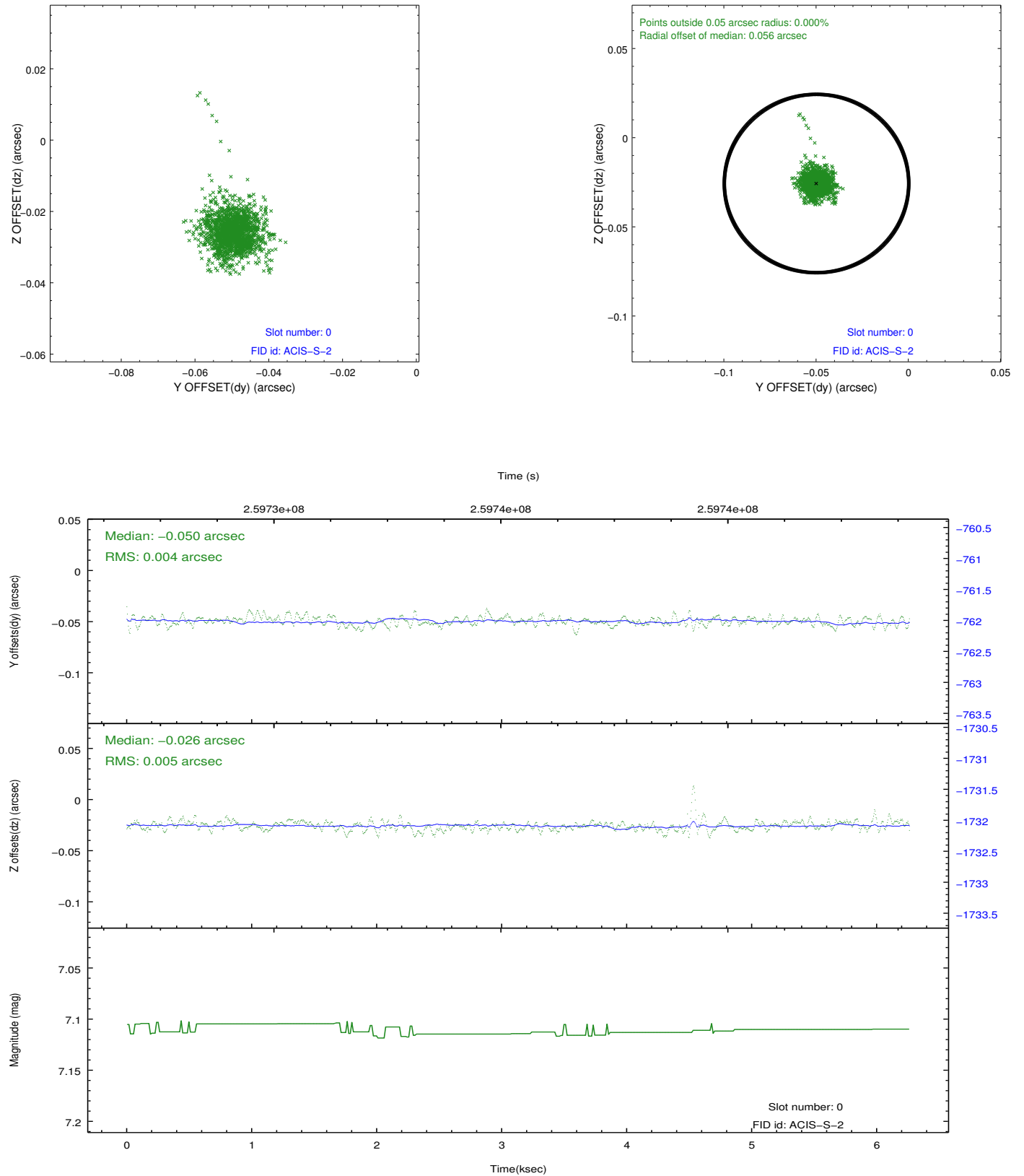


2.4.5 Slot 7

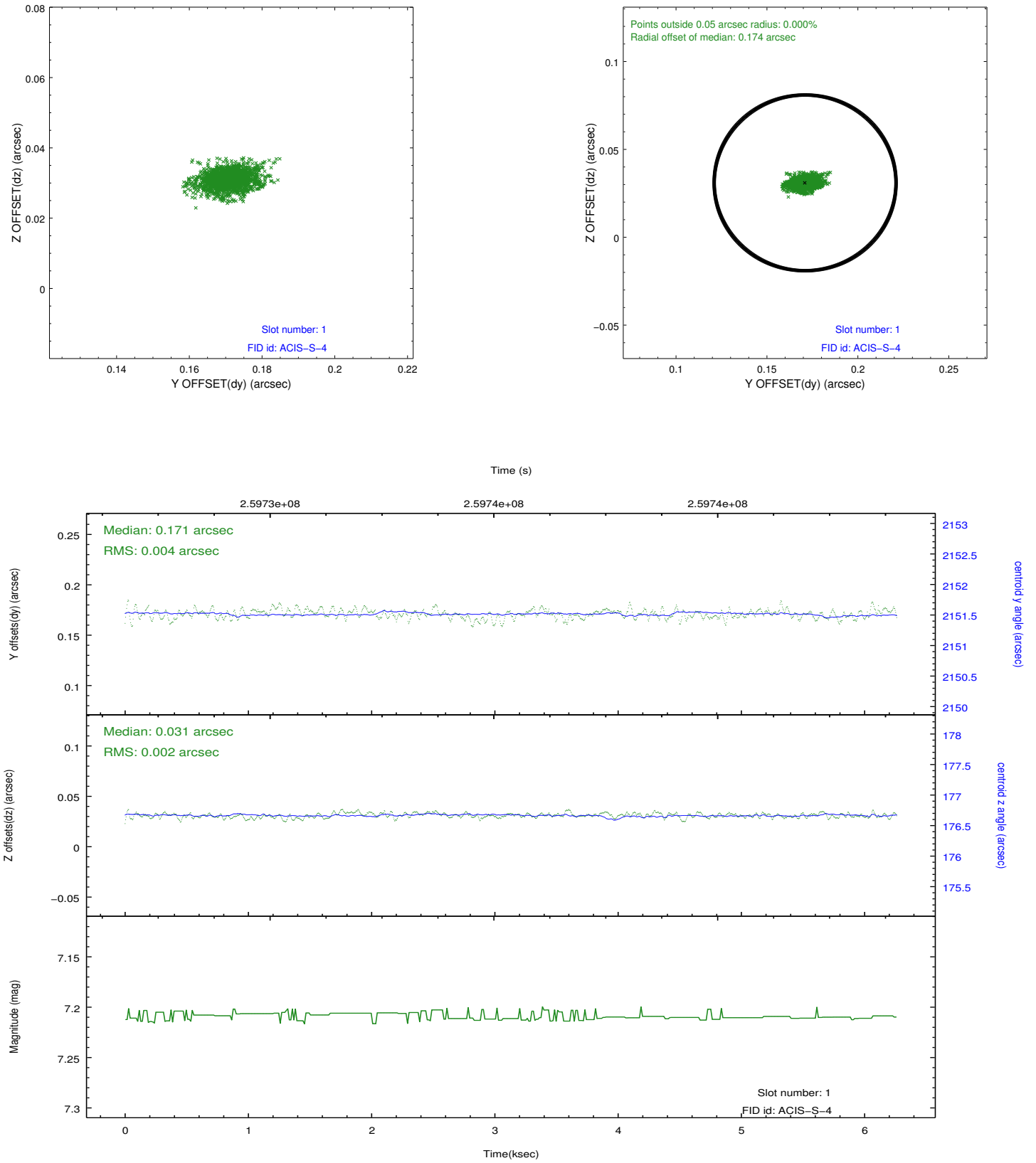


2.5 FID Slots

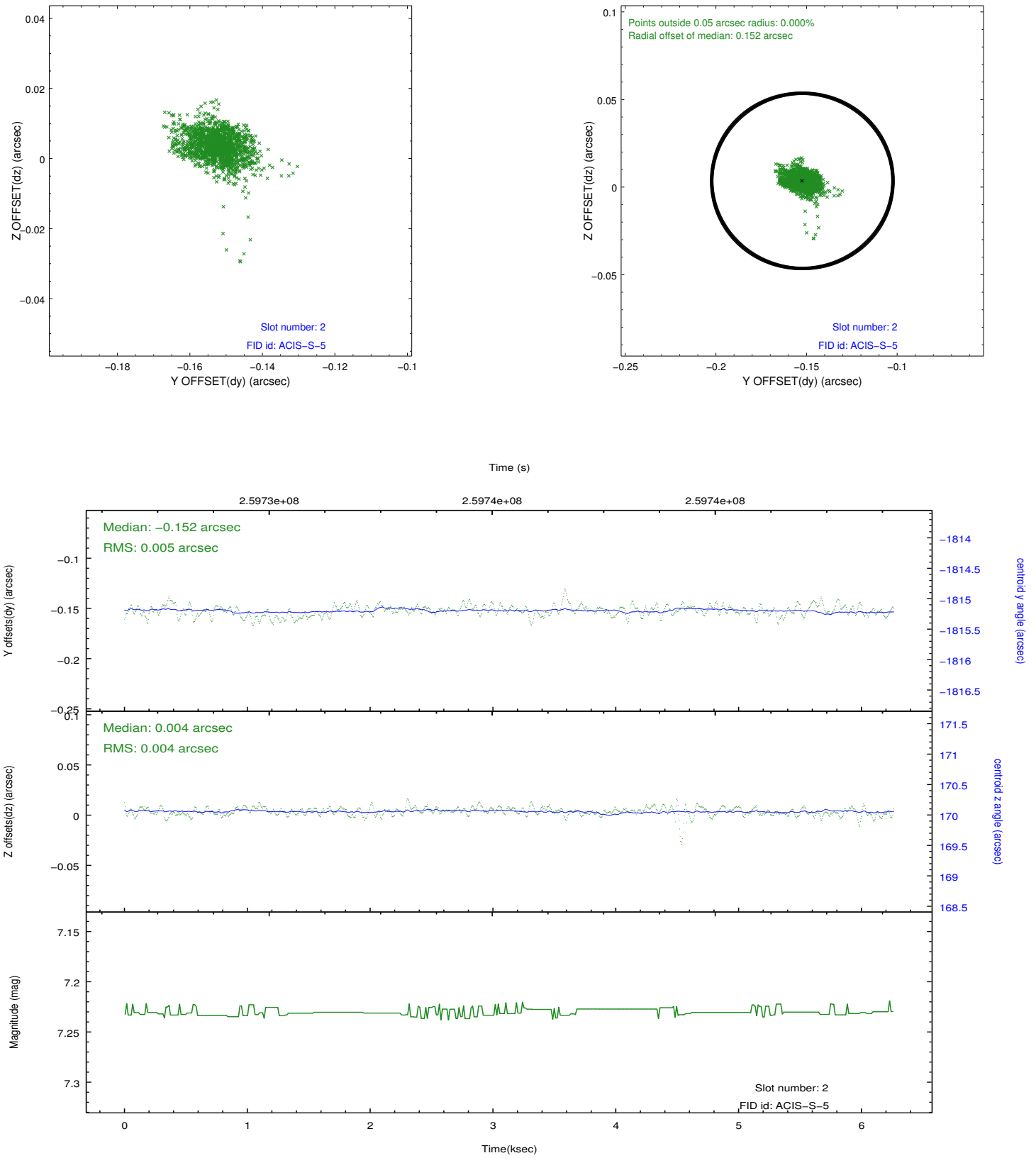
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.95519997

A.2 Comments