

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5278 - L2 Version 3
Chandra X-Ray Center

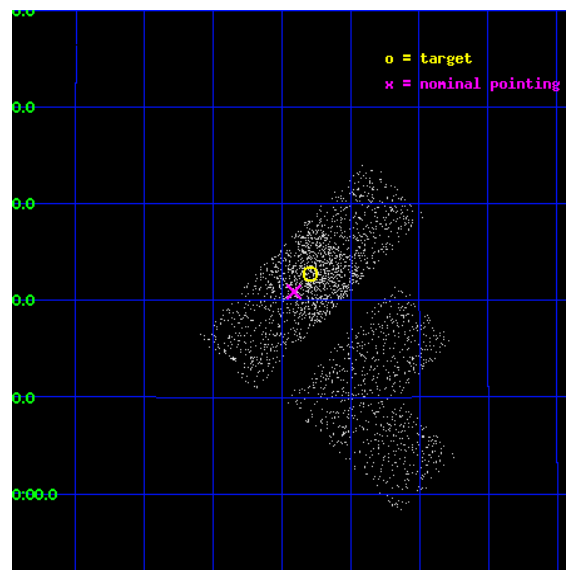
L2 Processing Date : Nov 8 2012

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1 Front

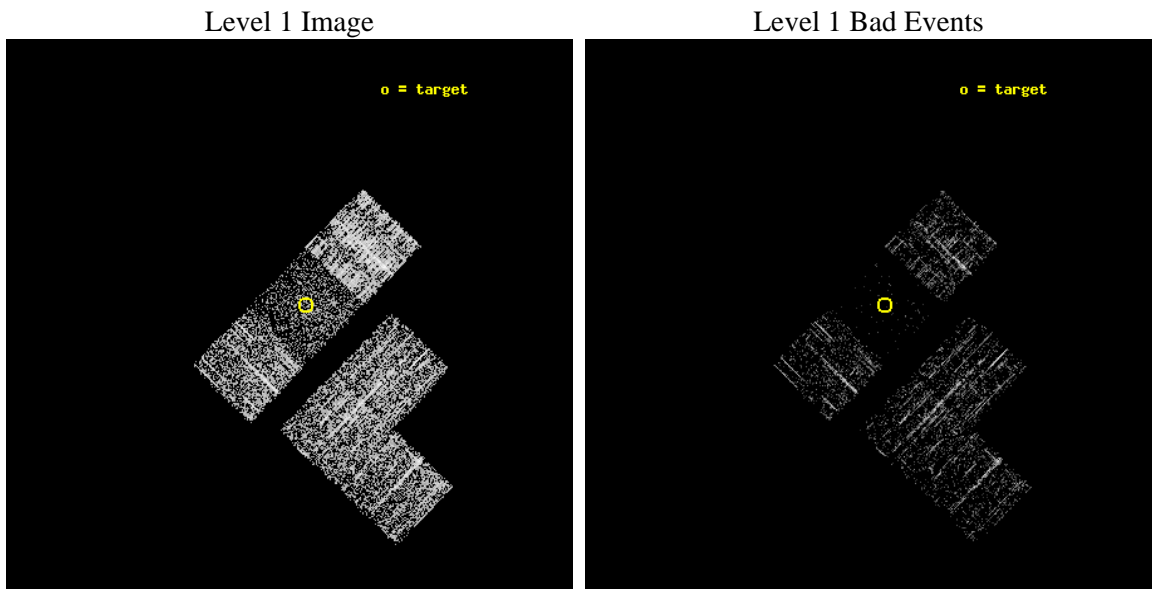
seq_num	100051	Sequence number
obs_id	5278	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.19839	Observer's specified target RA [deg]
dec_targ	16.37987	Observer's specified target Dec [deg]
ra_nom	287.22789010603	Nominal RA [deg]
dec_nom	16.348249791922	Nominal Dec [deg]
roll_nom	314.14831728353	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1471.9999945164	Sum of GTIs [s]
liveltime	1453.3606442538	Livetime [s]
ontime0	1471.9999945164	Sum of GTIs [s]
ontime2	1471.9999945164	Sum of GTIs [s]
ontime3	1471.9999945164	Sum of GTIs [s]
ontime6	1471.9999945164	Sum of GTIs [s]
ontime7	1471.9999945164	Sum of GTIs [s]
ontime8	1471.9999945164	Sum of GTIs [s]
l2events	2707	Number of level 2 events



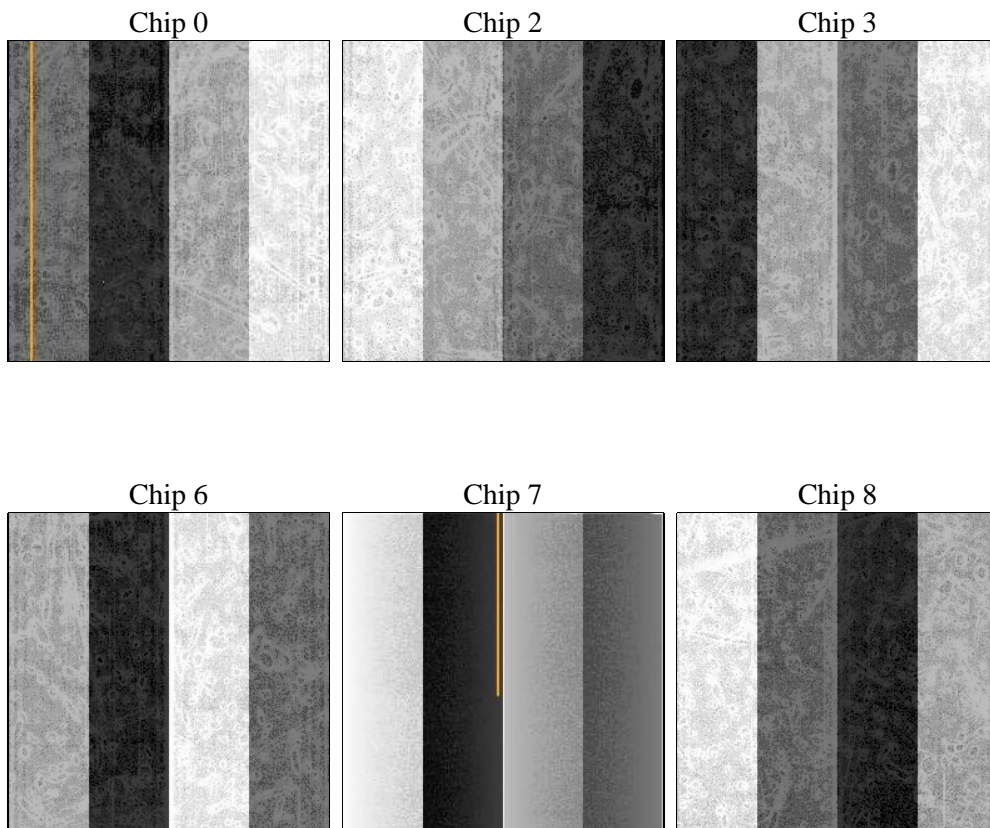
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1290.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1471.9999945164	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1471.9999945164	Sum of GTIs [s]
date	2012-11-08T03:03:57	Date and time of file creation	ontime2	1471.9999945164	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1471.9999945164	Sum of GTIs [s]
			ontime6	1471.9999945164	Sum of GTIs [s]
			ontime7	1471.9999945164	Sum of GTIs [s]
			ontime8	1471.9999945164	Sum of GTIs [s]
			l1events	38388	Number of level 1 events

2.1.4 Events

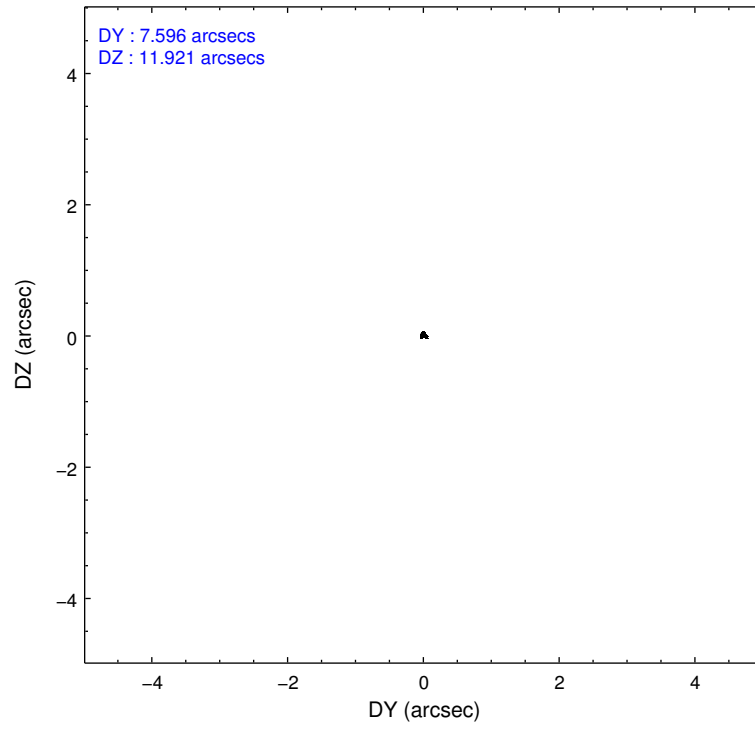
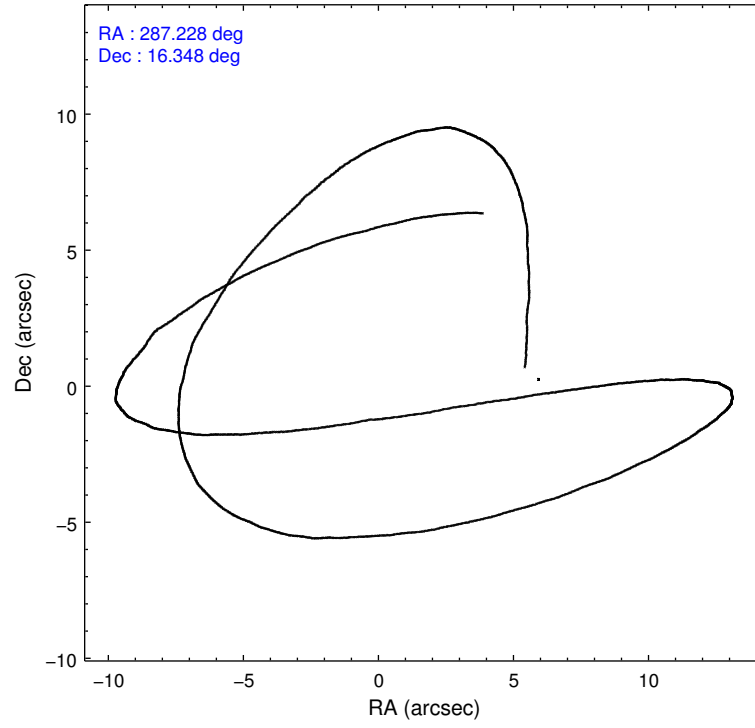
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5554	6206	6648	6220	1965	11795
rejected events	5121	5712	6297	5722	812	7296
rejected %	92%	92%	94%	91%	41%	61%

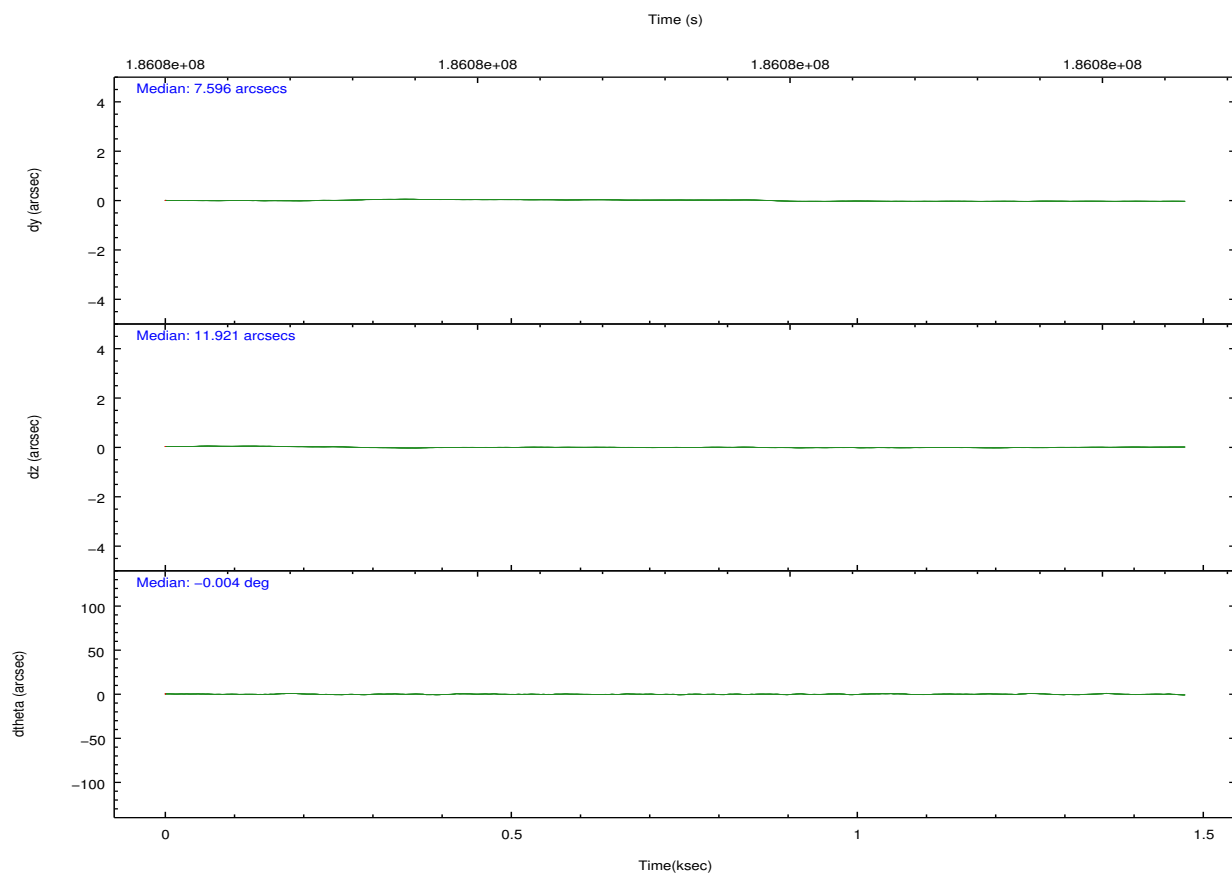
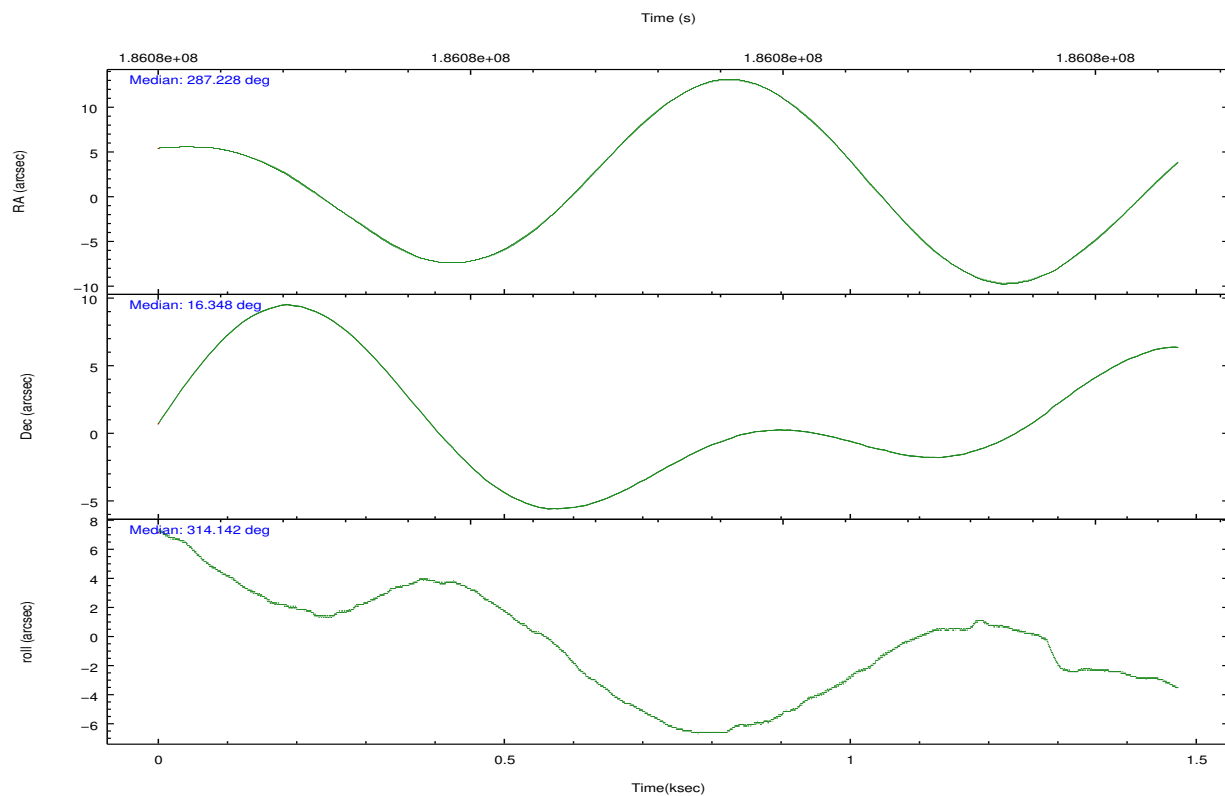
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	246	282	197	300	329	1671
	4%	4%	2%	4%	16%	14%
grade 1 events	2	4	0	1	2	13
	0%	0%	0%	0%	0%	0%
grade 2 events	153	138	102	122	378	781
	2%	2%	1%	1%	19%	6%
grade 3 events	45	44	38	65	177	923
	0%	0%	0%	1%	9%	7%
grade 4 events	40	67	42	62	145	890
	0%	1%	0%	0%	7%	7%
grade 5 events	50	47	55	53	157	140
	0%	0%	0%	0%	7%	1%
grade 6 events	51	74	49	53	368	1202
	0%	1%	0%	0%	18%	10%
grade 7 events	4967	5550	6165	5564	409	6175
	89%	89%	92%	89%	20%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023678	ACIS-023678	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	287.200765	287.2278901060333	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.354964	16.34824979192227	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999328	314.1483172835302	[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)	186082264.184000	186081887.45813			
Observation start date	2003-11-24T17:30:00	2003-11-24T17:24:47			
[s] Observation end time (MET)	186083554.184000	186083687.35821			
Observation end date	2003-11-24T17:51:30	2003-11-24T17:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



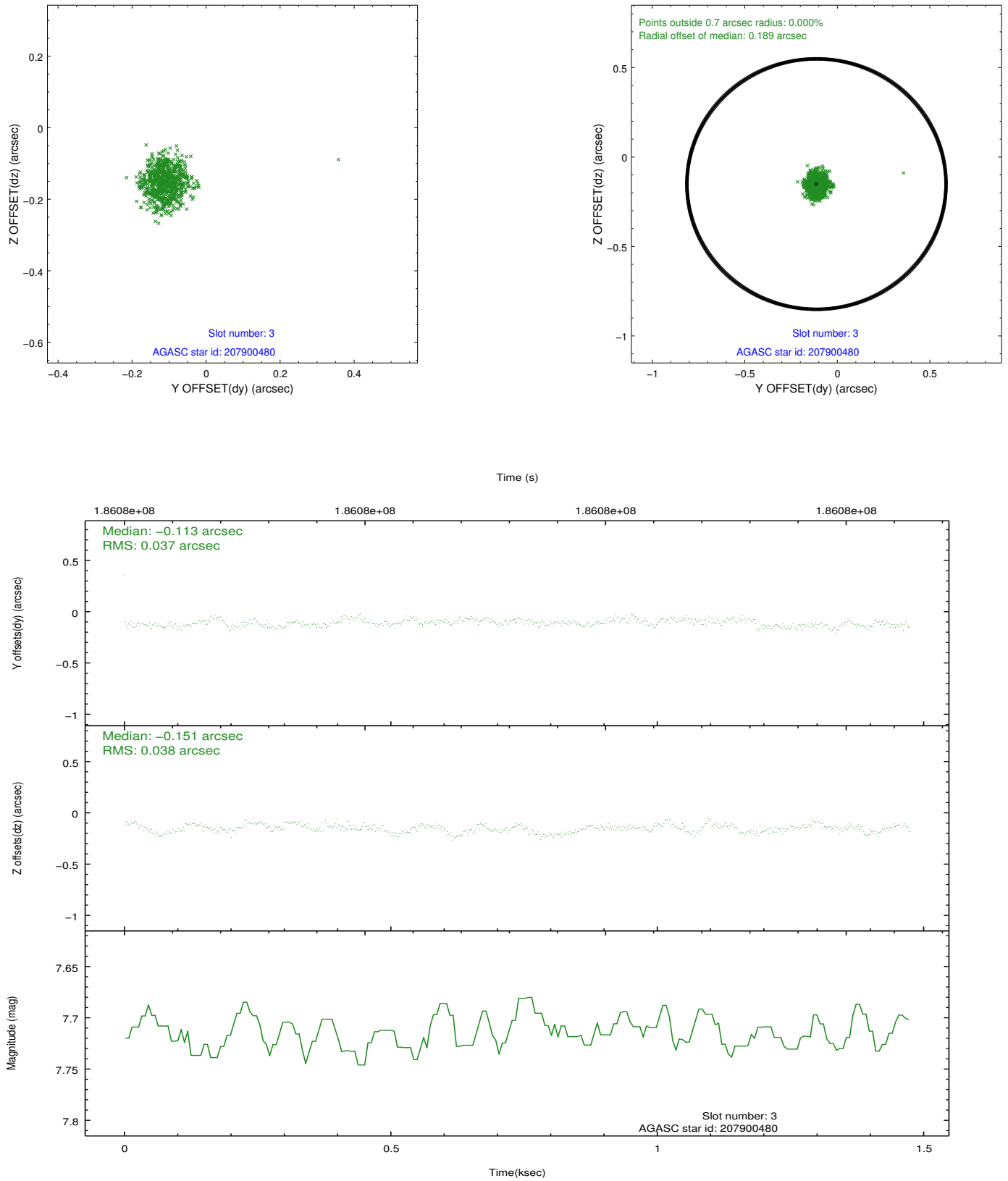


Slot Statistics

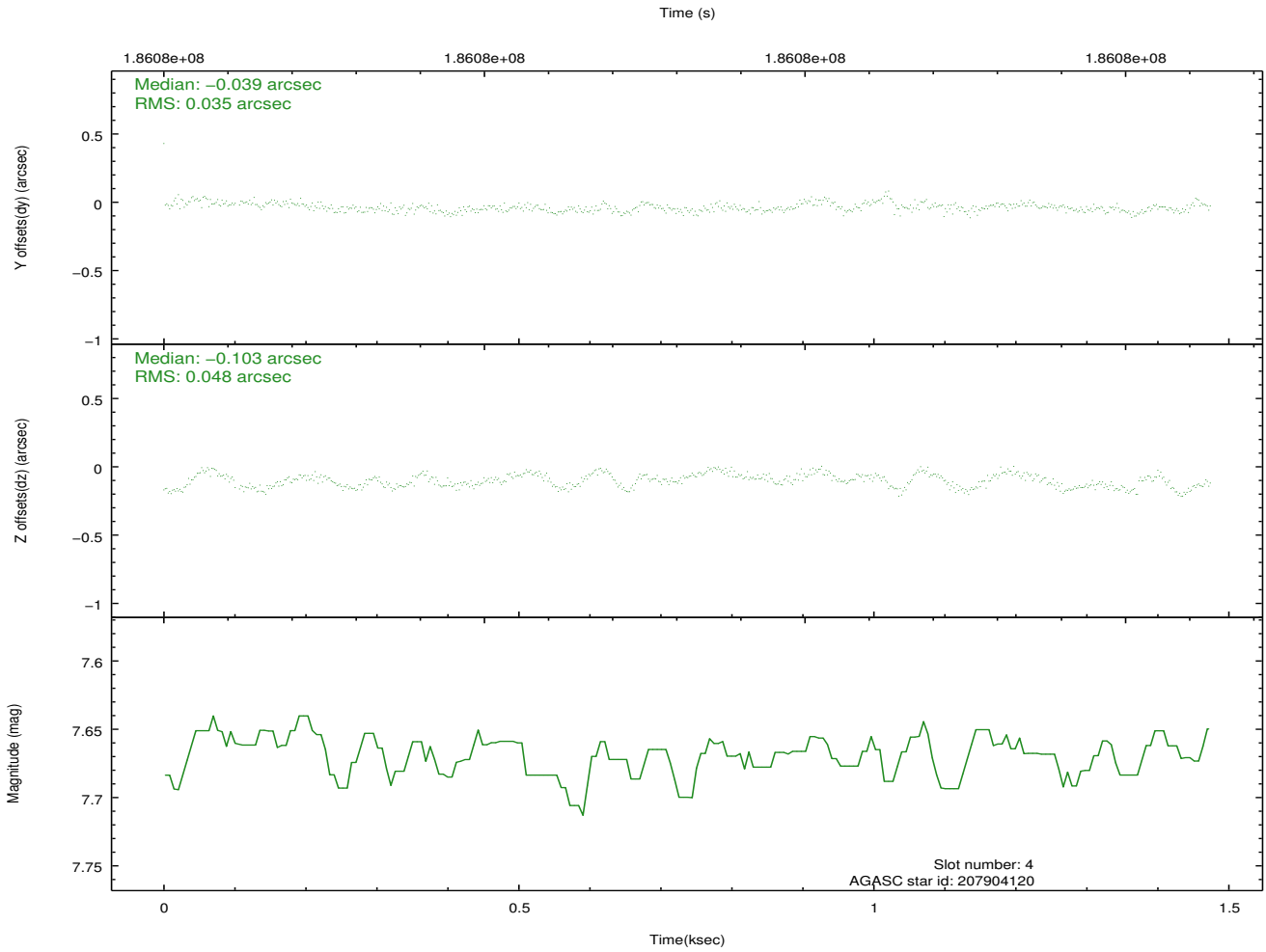
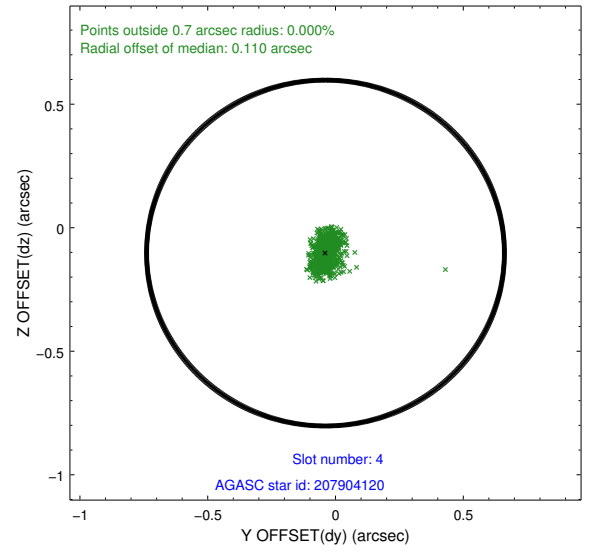
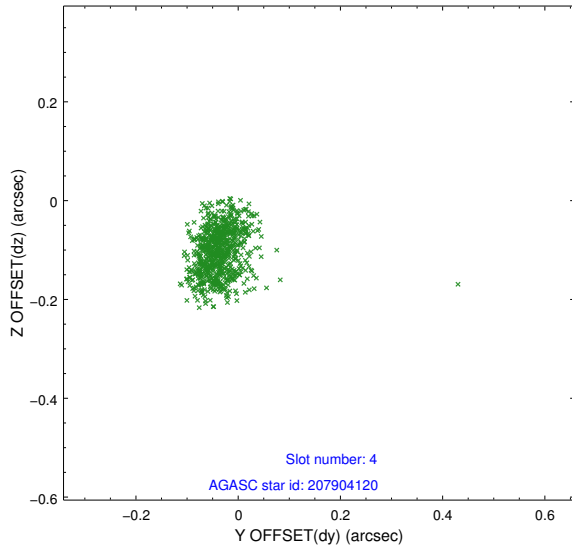
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	360	0.031	-0.066	0.006	0.010	0.000000	0.000000	935.66	-1728.94
1	FID	ACIS-S-4	7.19	360	0.018	0.035	0.006	0.009	0.000000	0.000000	2155.60	170.66
2	FID	ACIS-S-5	7.23	360	-0.075	0.044	0.005	0.008	0.000000	0.000000	-1807.49	169.43
3	GUIDE	207900480	7.72	720	-0.113	-0.151	0.055	0.085	286.932282	16.070409	93.19	-1379.36
4	GUIDE	207904120	7.67	718	-0.039	-0.103	0.062	0.099	286.904195	16.289988	-542.07	-901.22
5	GUIDE	207916440	6.83	720	-0.155	-0.002	0.056	0.088	287.167522	16.851310	-1363.90	1157.09
6	GUIDE	208416976	8.35	720	-0.090	-0.012	0.078	0.115	287.326965	17.073967	-1560.73	2111.74
7	GUIDE	209596088	9.37	717	0.394	0.268	0.090	0.138	288.150718	16.305149	2403.44	2245.41

2.4 Star Slots

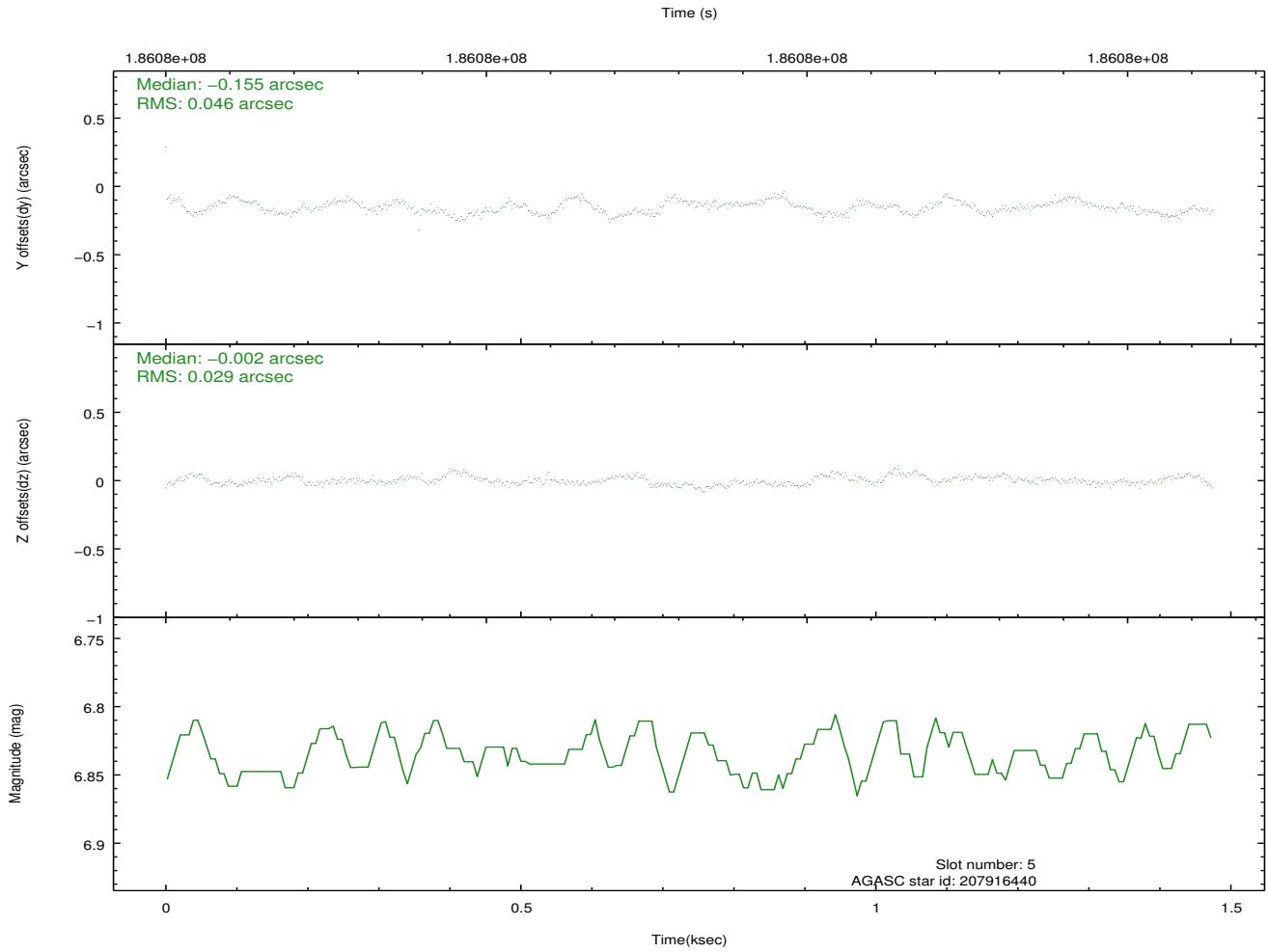
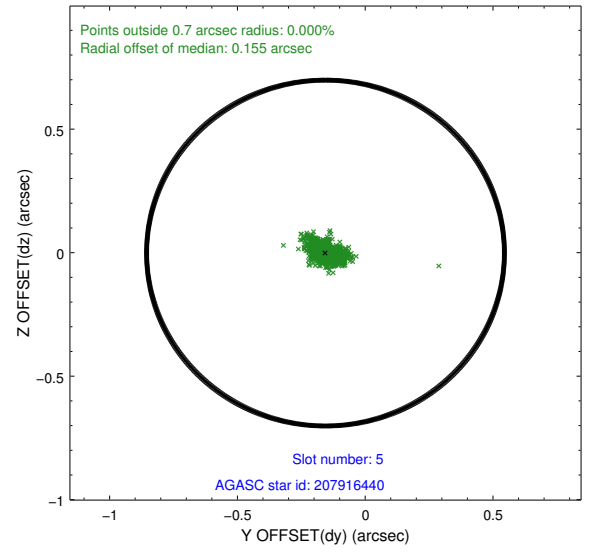
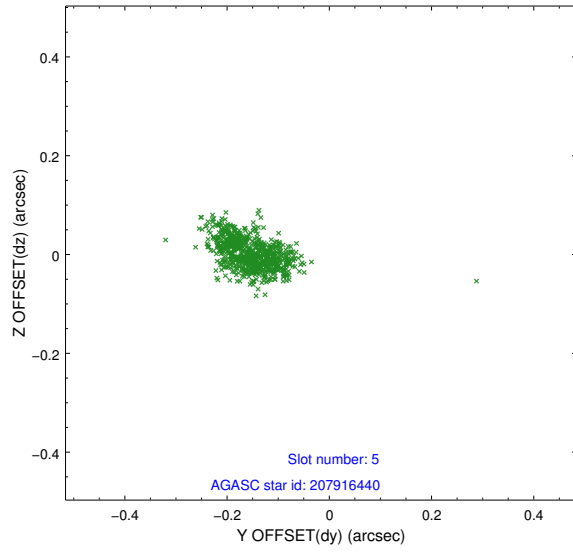
2.4.1 Slot 3



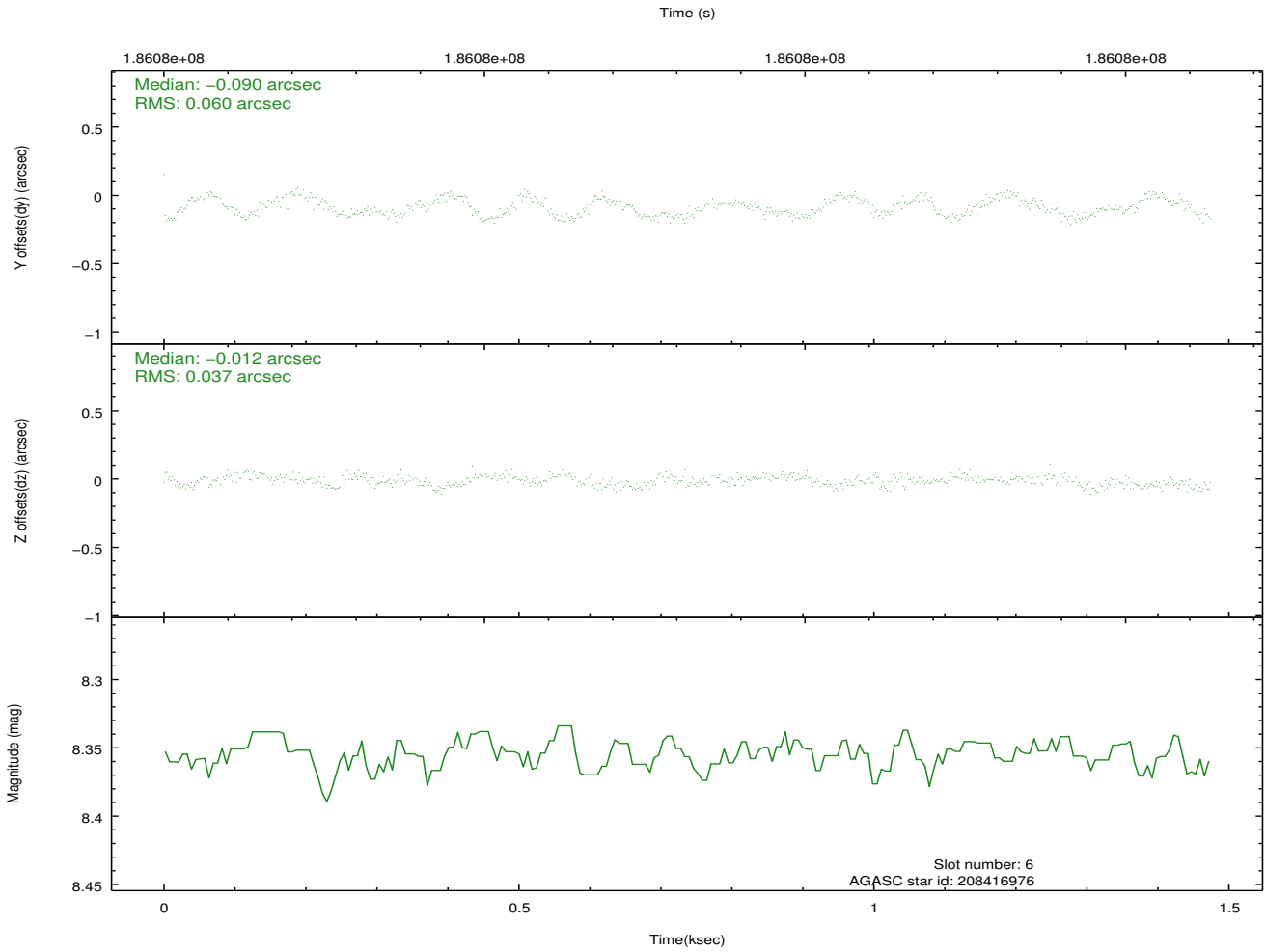
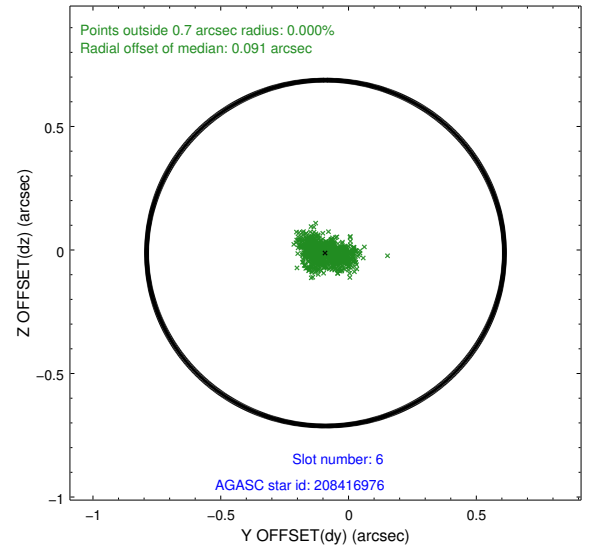
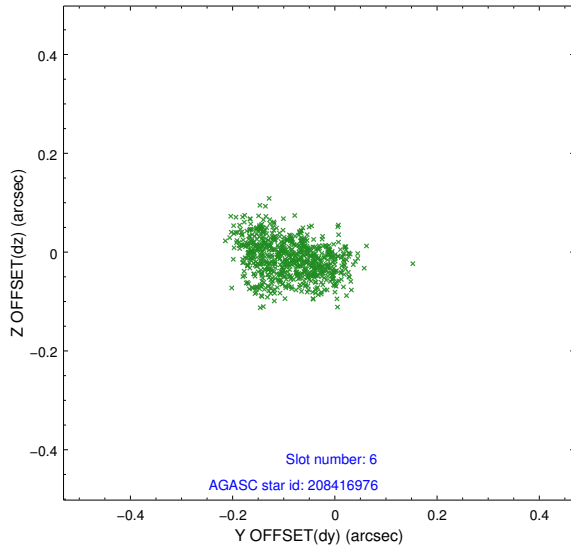
2.4.2 Slot 4



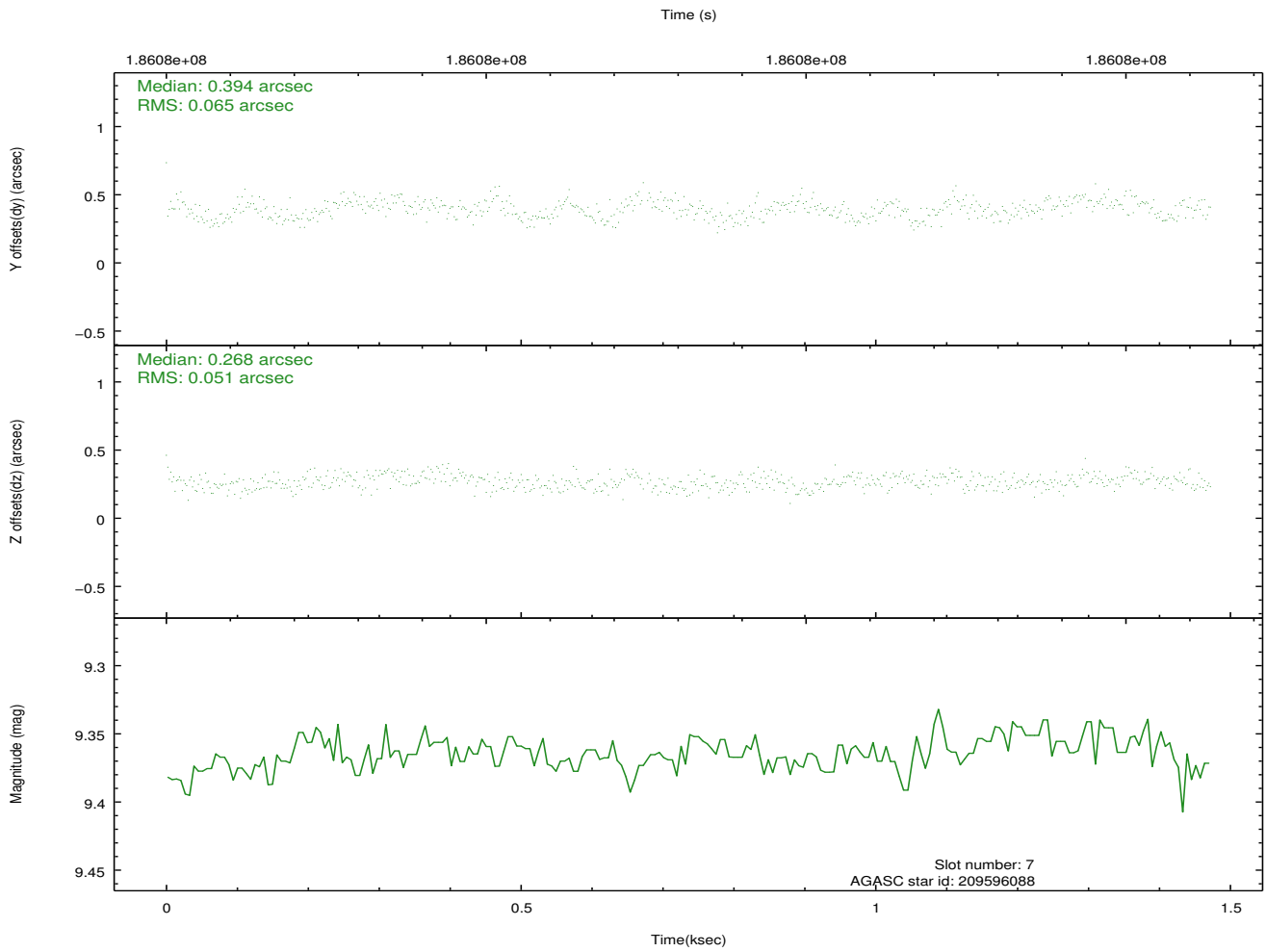
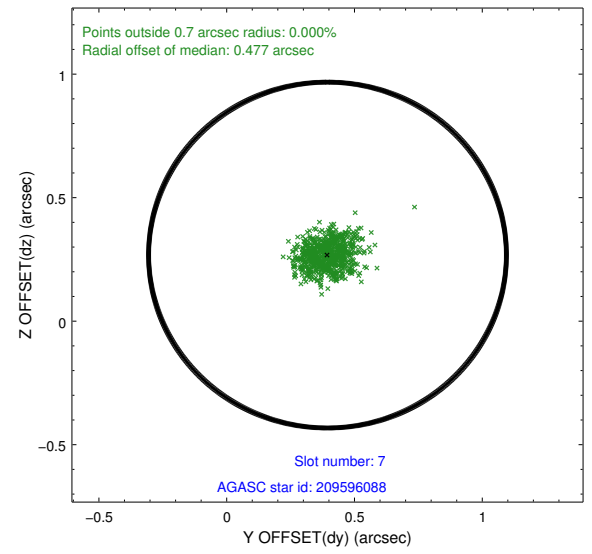
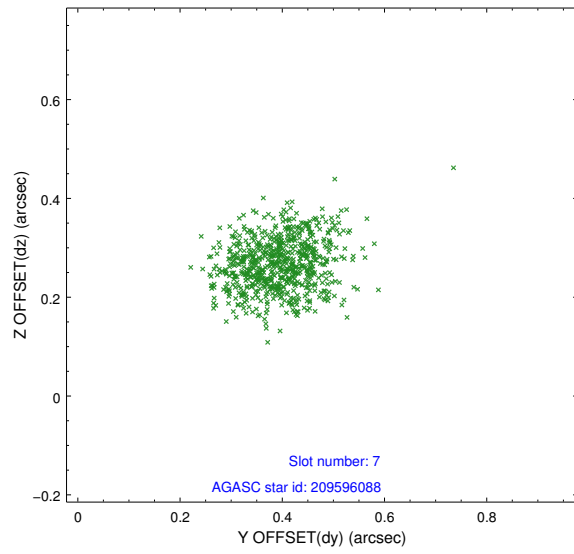
2.4.3 Slot 5



2.4.4 Slot 6

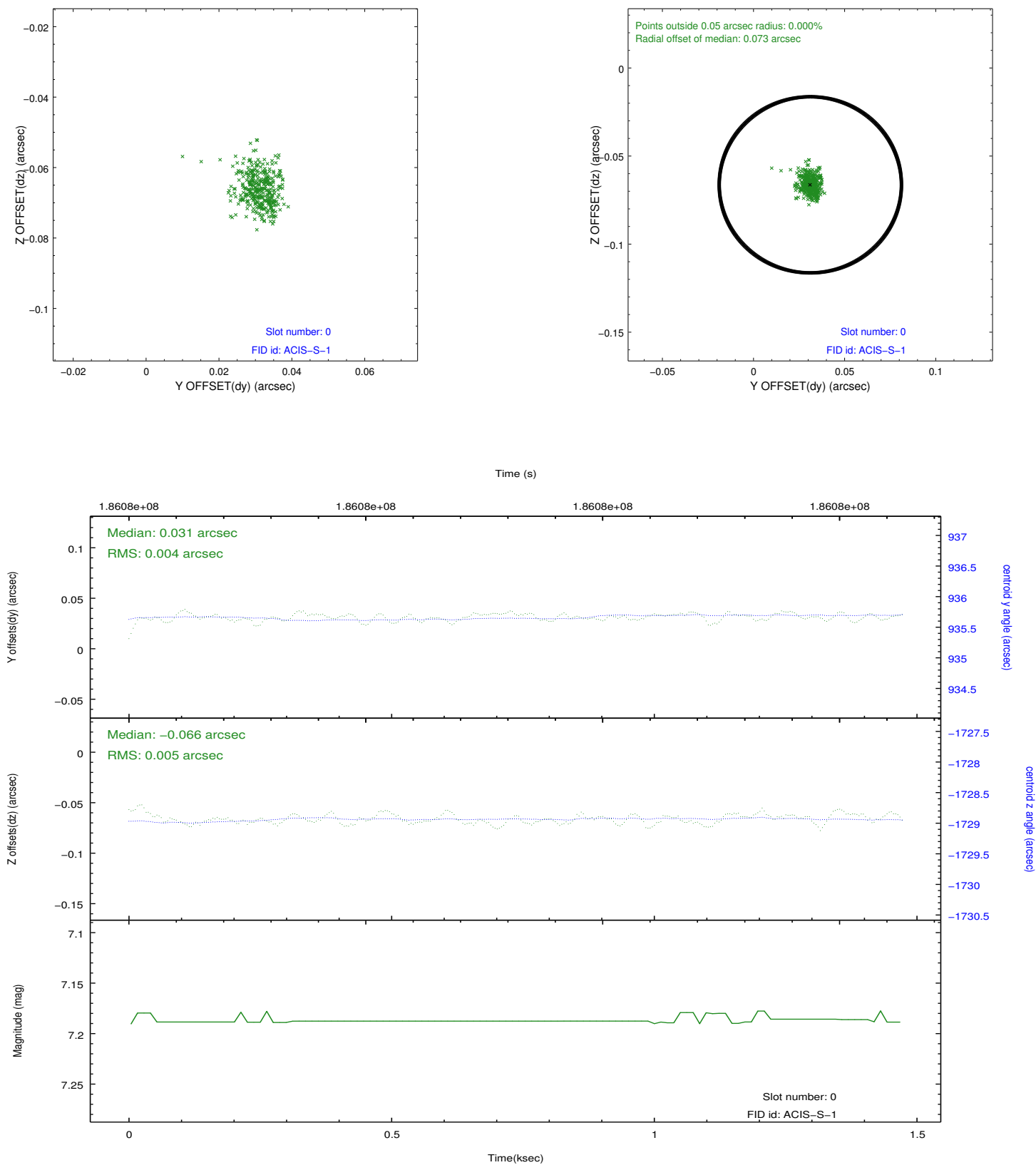


2.4.5 Slot 7

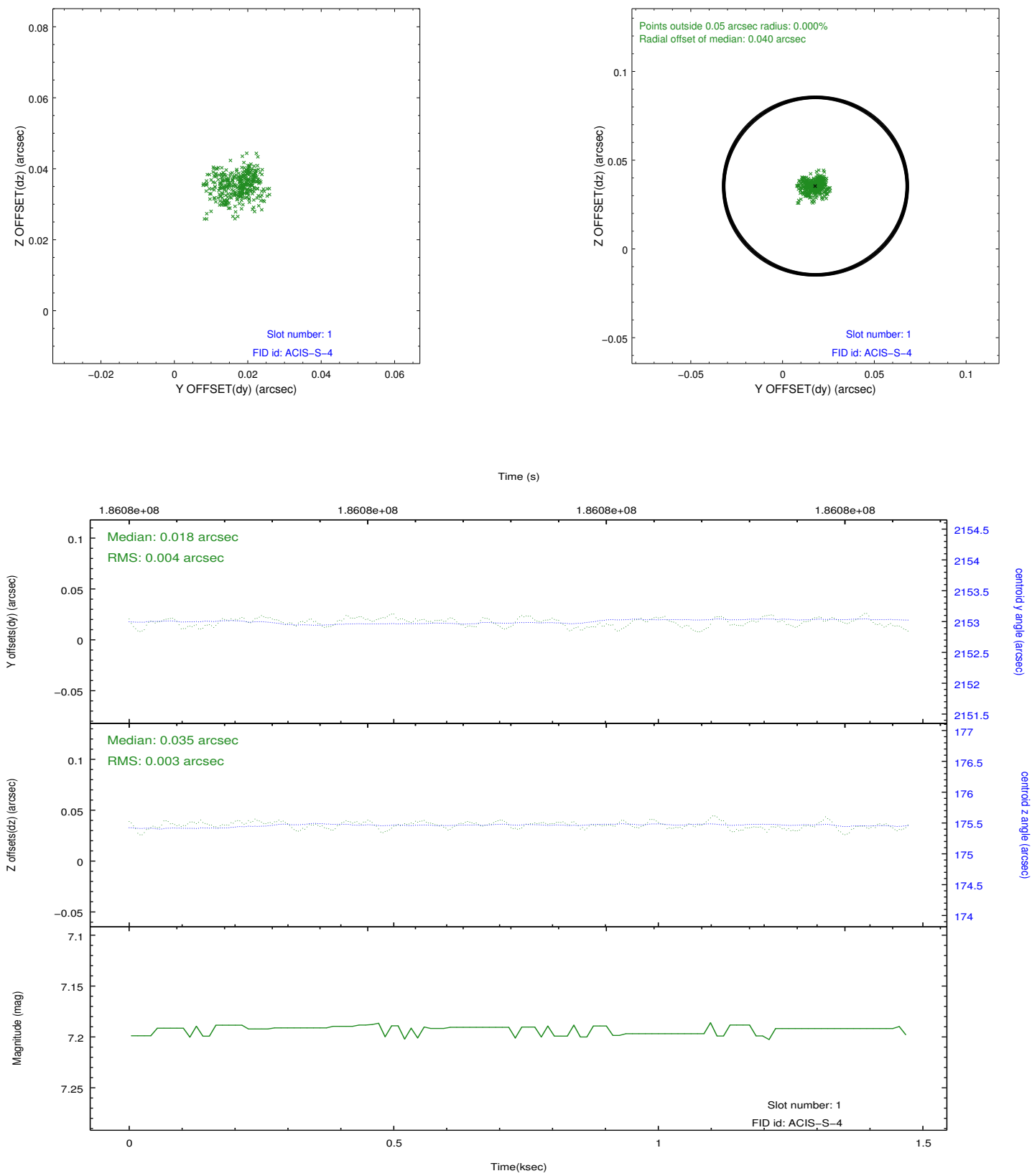


2.5 FID Slots

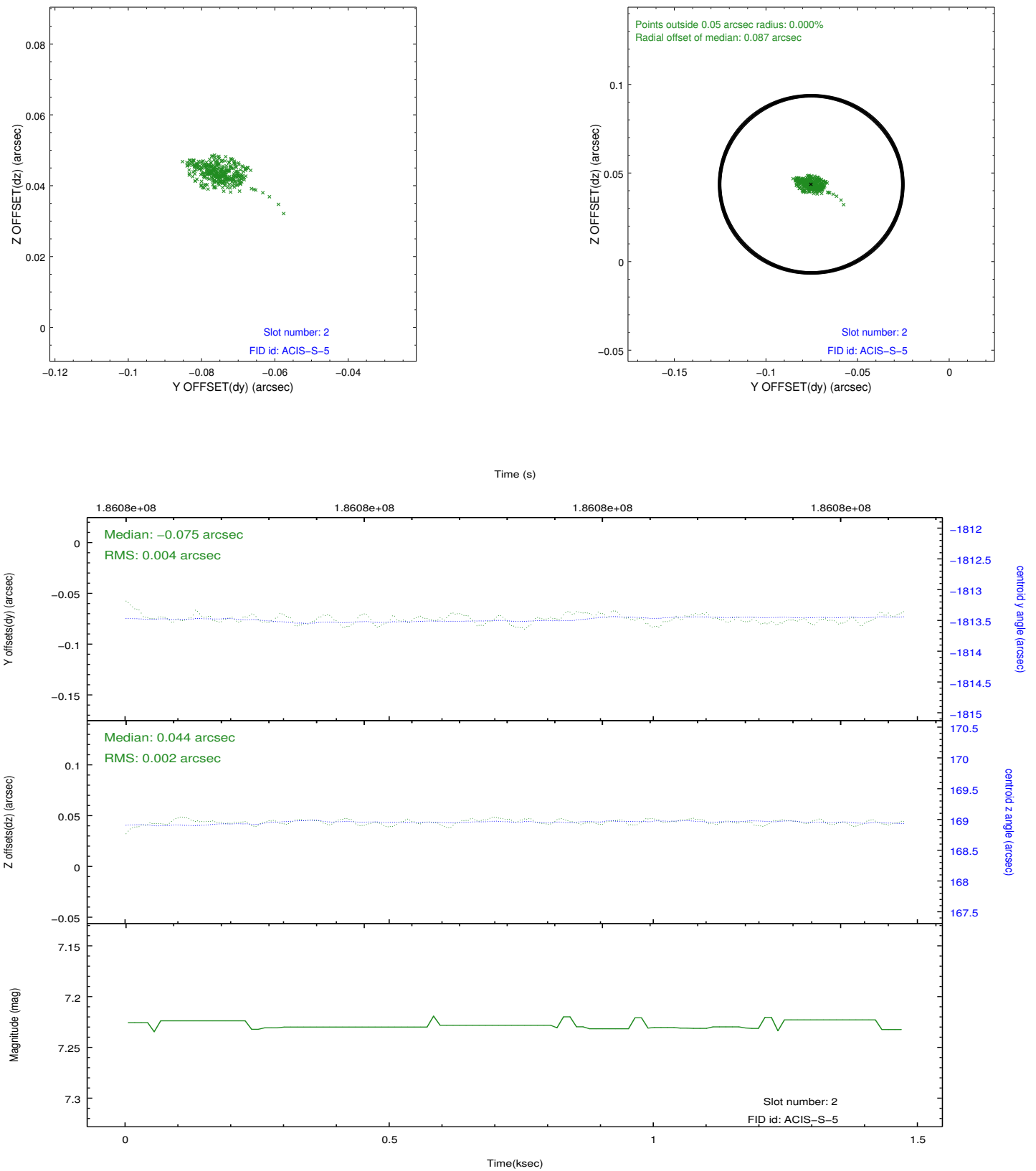
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.471

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.