

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5275 - L2 Version 3
Chandra X-Ray Center

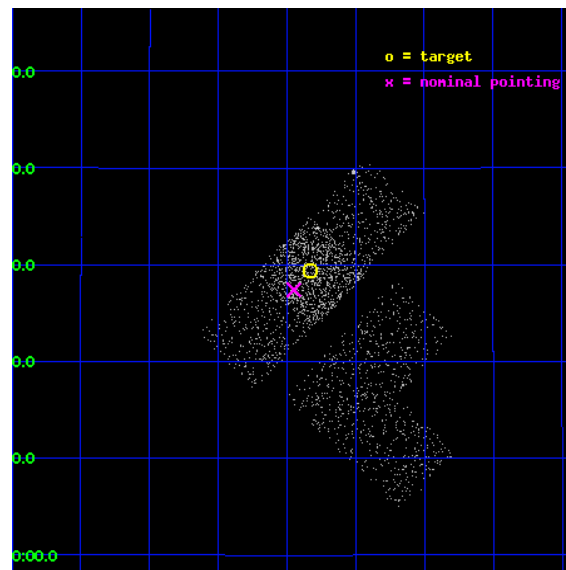
L2 Processing Date : Nov 8 2012

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1 Front

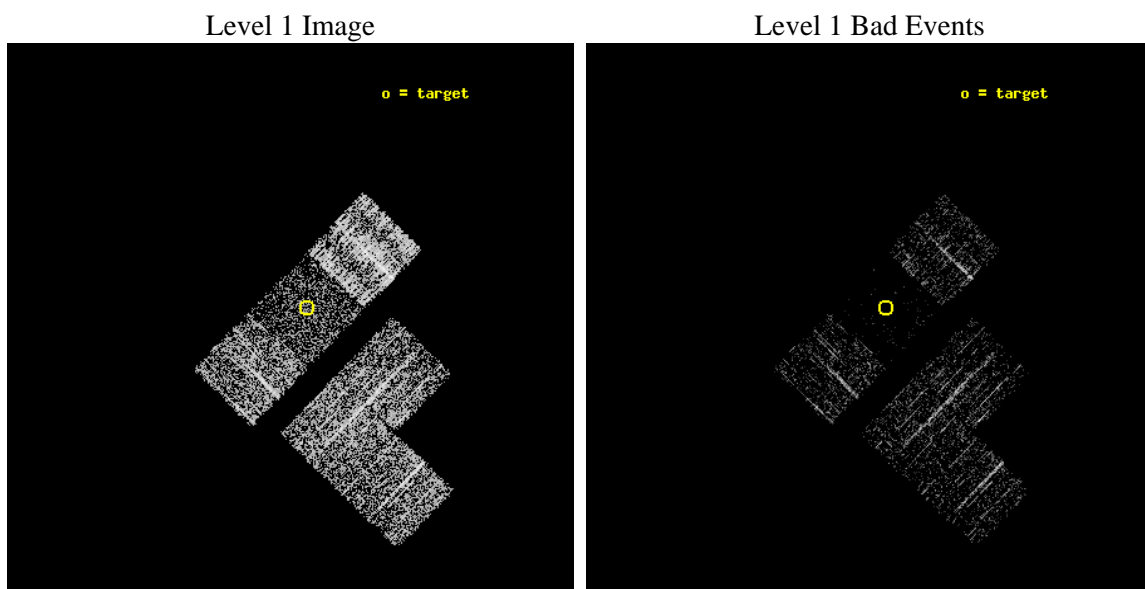
seq_num	100051	Sequence number
obs_id	5275	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.33218	Observer's specified target RA [deg]
dec_targ	16.4893	Observer's specified target Dec [deg]
ra_nom	287.36232731508	Nominal RA [deg]
dec_nom	16.456997599176	Nominal Dec [deg]
roll_nom	314.14808543472	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	2682	Number of level 2 events



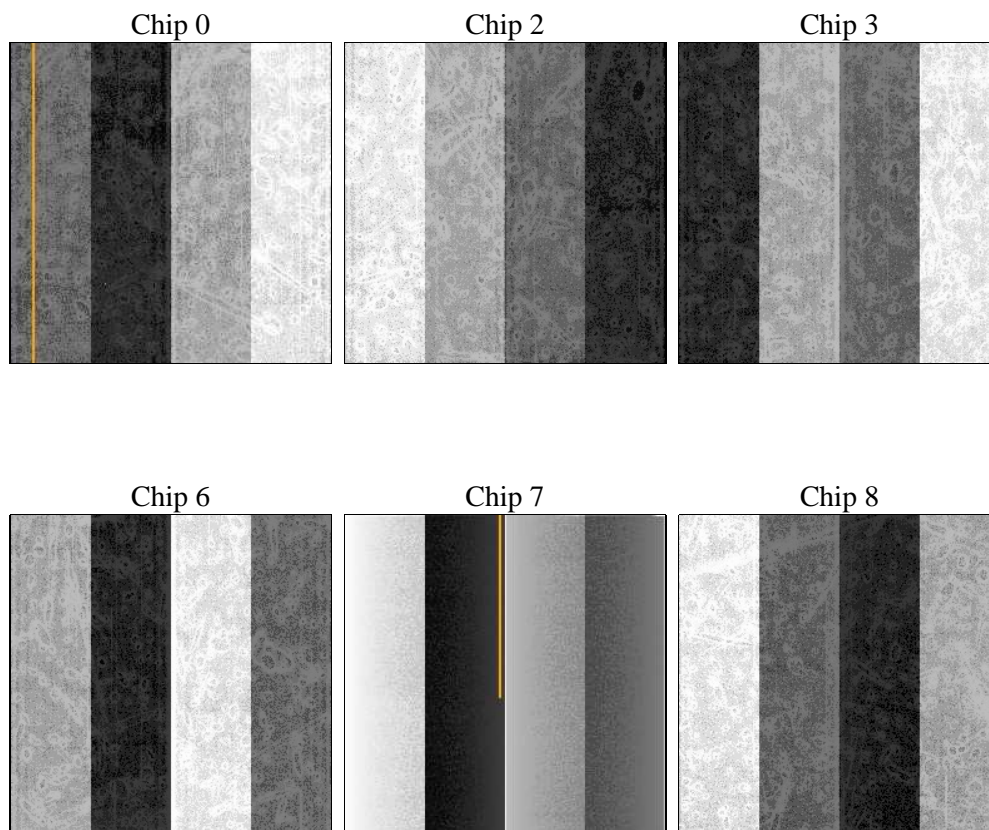
2 OBI

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	2012-11-08T02:35:08	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	38613	Number of level 1 events

2.1.4 Events

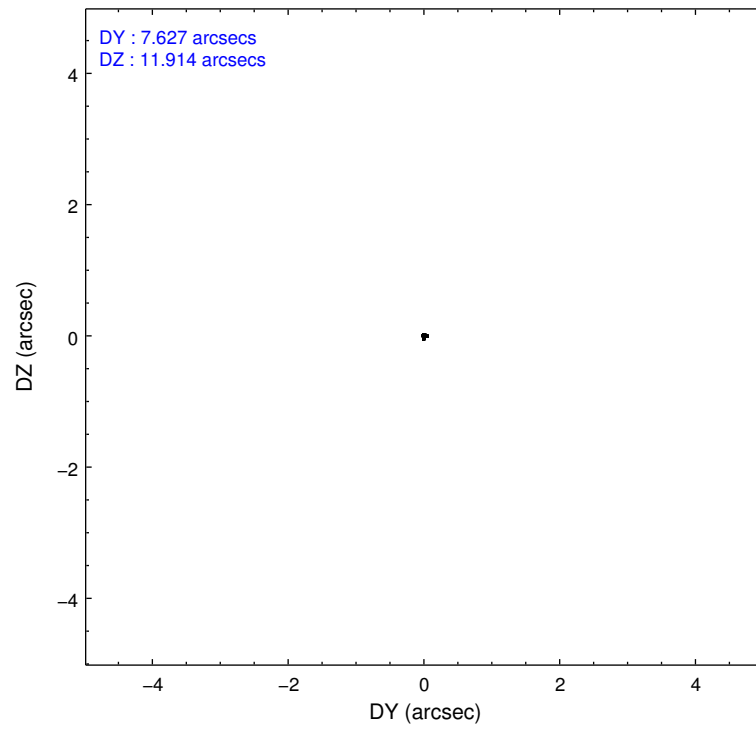
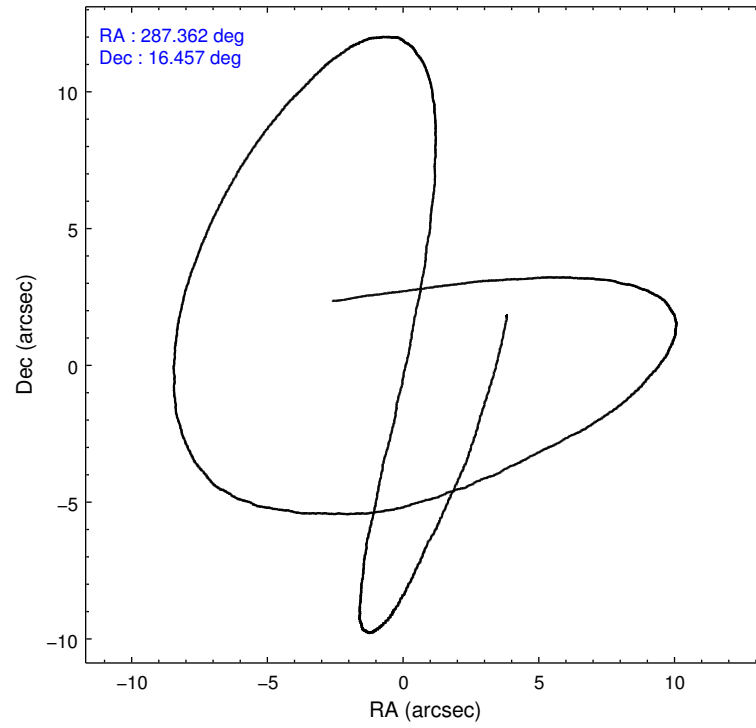
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5790	6528	6327	6175	2115	11678
rejected events	5366	5980	6023	5703	839	6848
rejected %	92%	91%	95%	92%	39%	58%

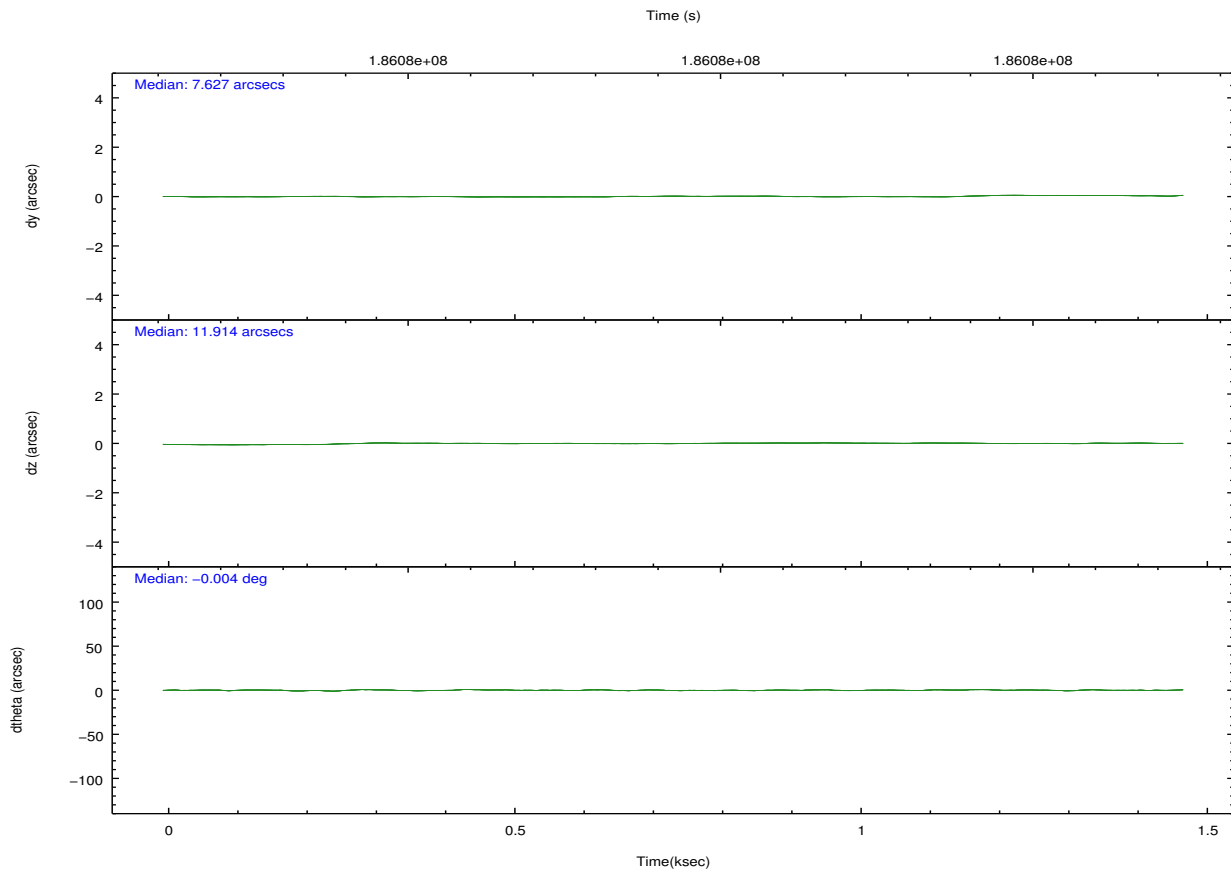
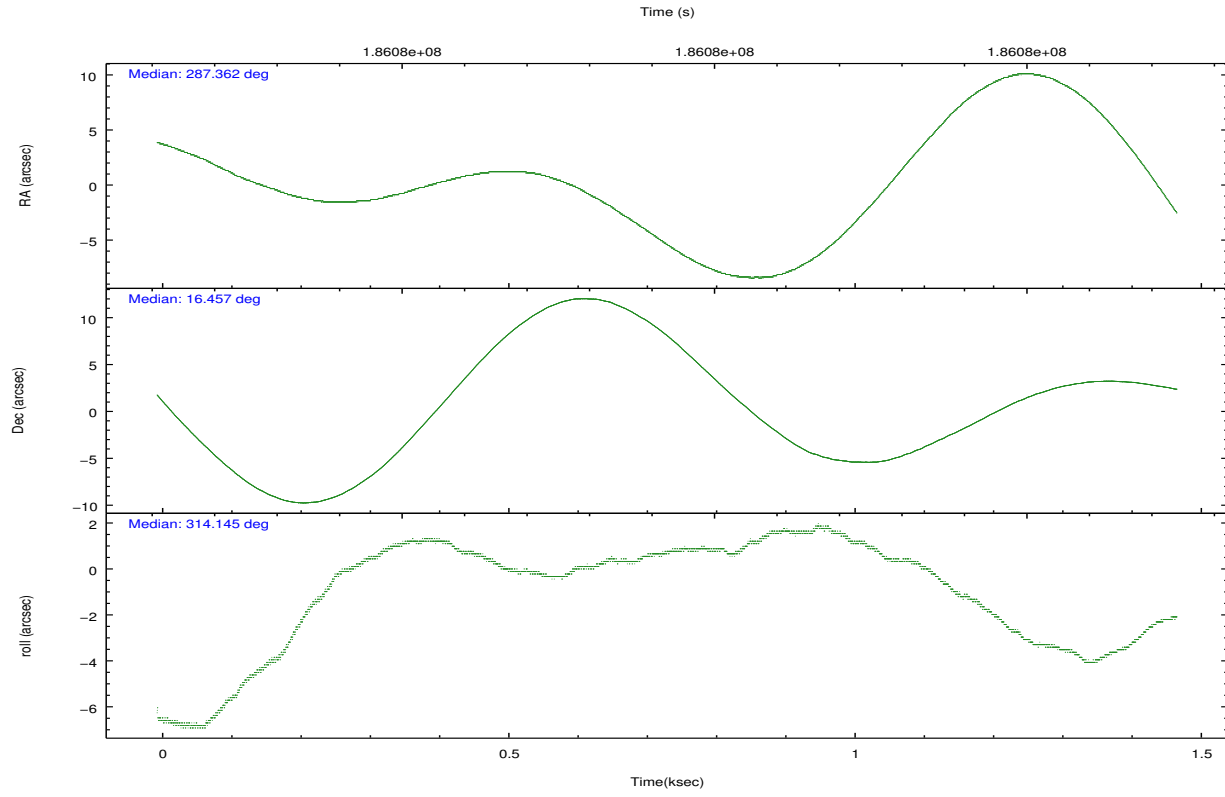
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	237	307	170	282	328	1823
	4%	4%	2%	4%	15%	15%
grade 1 events	6	5	4	2	4	25
	0%	0%	0%	0%	0%	0%
grade 2 events	164	177	82	149	457	956
	2%	2%	1%	2%	21%	8%
grade 3 events	54	52	55	51	183	1001
	0%	0%	0%	0%	8%	8%
grade 4 events	41	70	36	55	173	896
	0%	1%	0%	0%	8%	7%
grade 5 events	50	49	61	43	140	182
	0%	0%	0%	0%	6%	1%
grade 6 events	44	50	47	64	408	1430
	0%	0%	0%	1%	19%	12%
grade 7 events	5194	5818	5872	5529	422	5365
	89%	89%	92%	89%	19%	45%

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	287.334553	287.3623273150837	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.464381	16.4569975991756	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999321	314.1480854347232	[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)	186076864.184000	186076487.7579			
Observation start date	2003-11-24T16:00:00	2003-11-24T15:54:47			
[s] Observation end time (MET)	186078154.184000	186078287.65798			
Observation end date	2003-11-24T16:21:30	2003-11-24T16:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



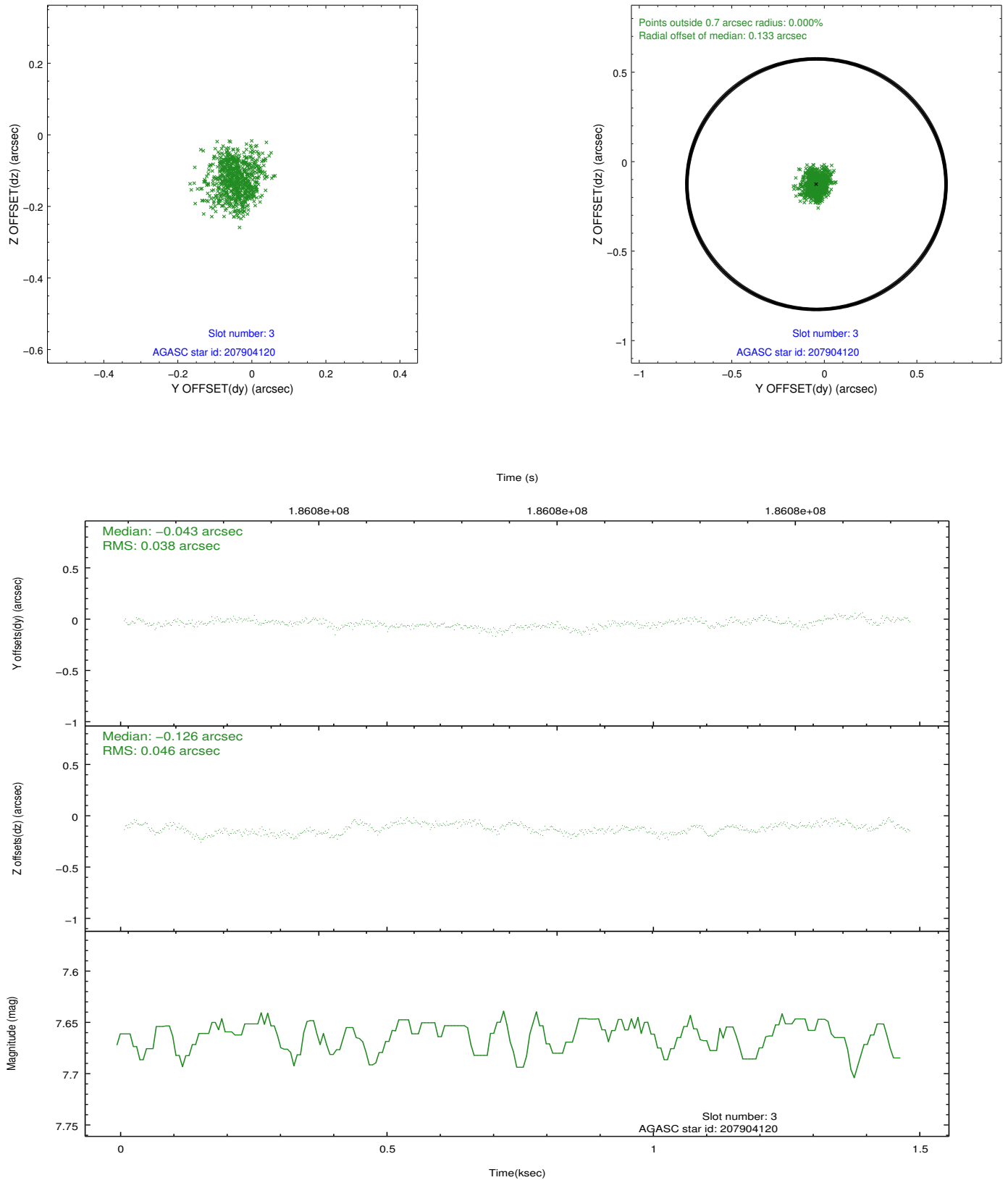


Slot Statistics

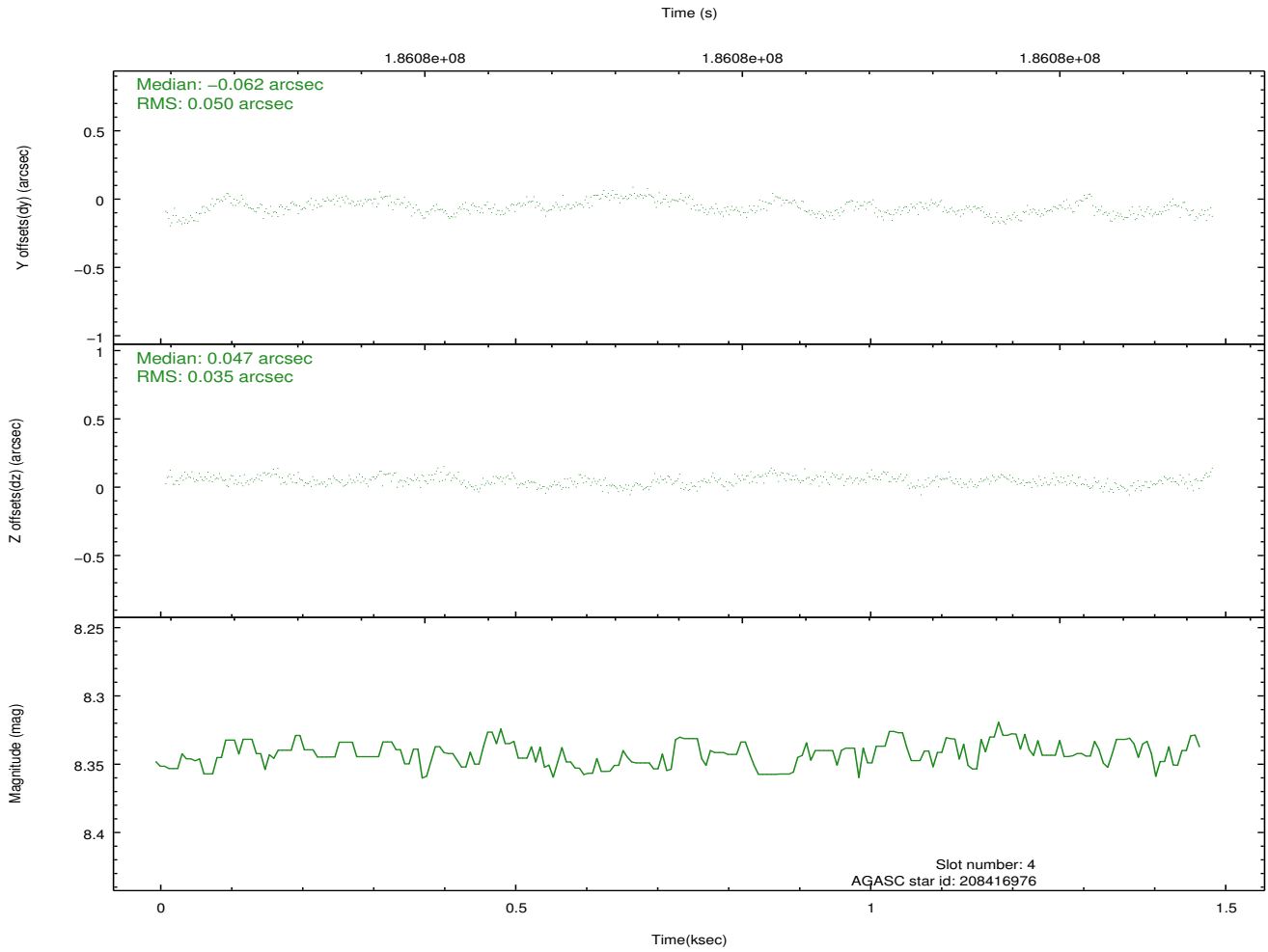
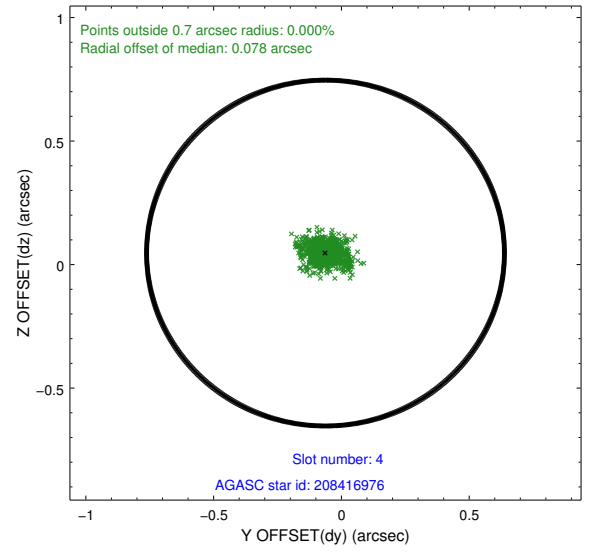
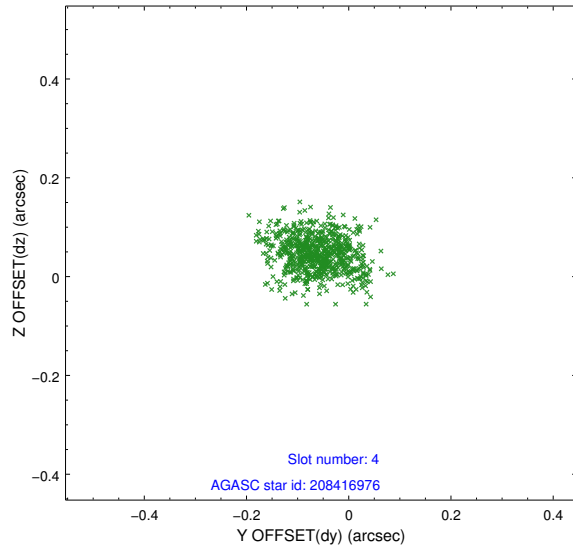
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	360	-0.010	-0.006	0.006	0.011	0.000000	0.000000	-760.41	-1733.21
1	FID	ACIS-S-4	7.20	360	0.038	0.007	0.006	0.011	0.000000	0.000000	2150.87	170.63
2	FID	ACIS-S-5	7.23	360	-0.060	0.008	0.006	0.010	0.000000	0.000000	-1807.53	169.41
3	GUIDE	207904120	7.66	720	-0.043	-0.126	0.064	0.103	286.904195	16.289988	-583.93	-1504.81
4	GUIDE	208416976	8.34	720	-0.062	0.047	0.064	0.109	287.326965	17.073967	-1599.15	1503.36
5	GUIDE	208421840	9.21	720	0.074	0.075	0.084	0.139	287.570311	16.918850	-616.92	1723.19
6	GUIDE	209596088	9.36	720	0.212	0.104	0.115	0.169	288.150718	16.305149	2365.00	1637.12
7	GUIDE	207916440	6.82	719	-0.177	-0.098	0.057	0.098	287.167522	16.851310	-1400.12	555.63

2.4 Star Slots

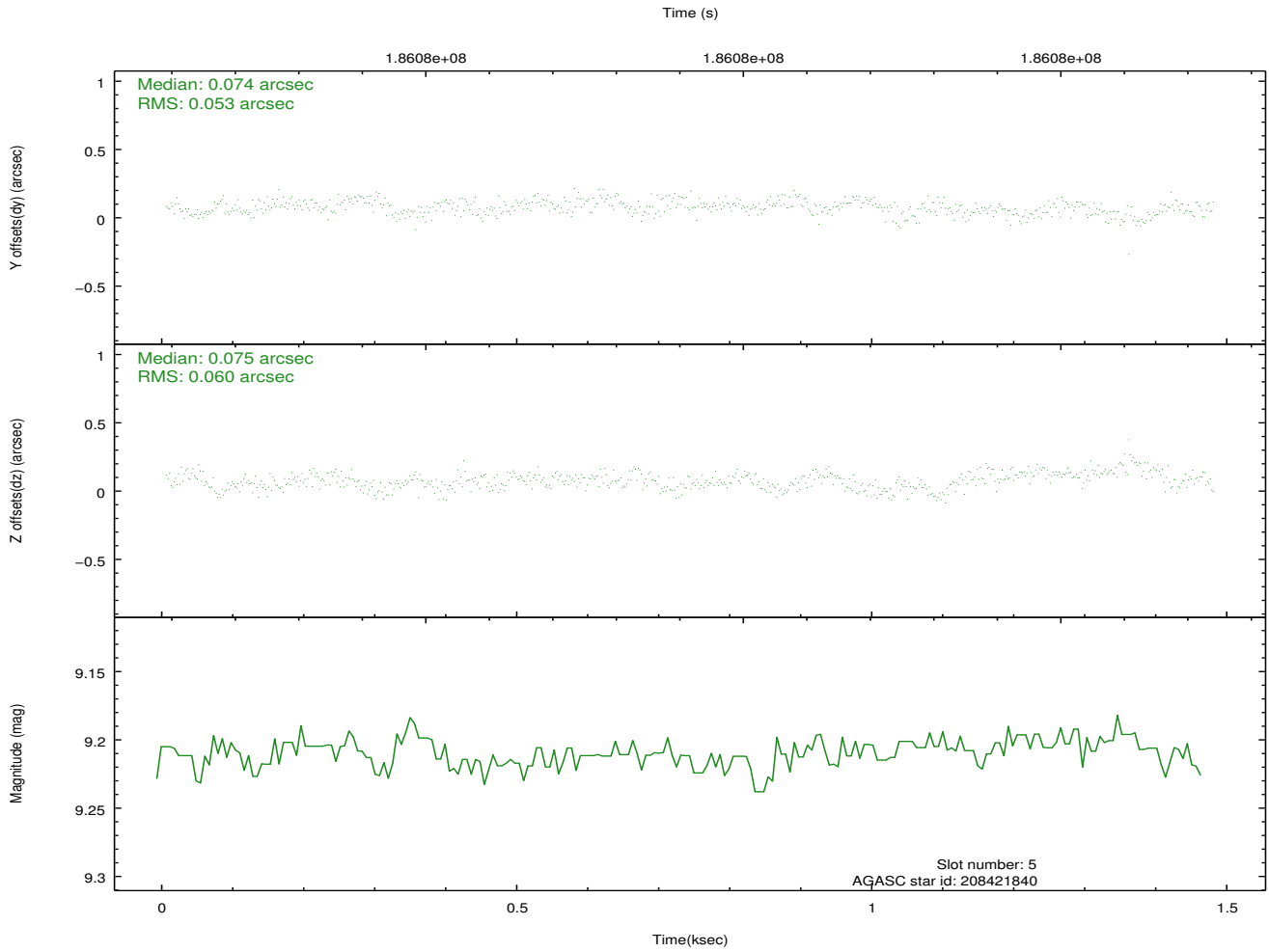
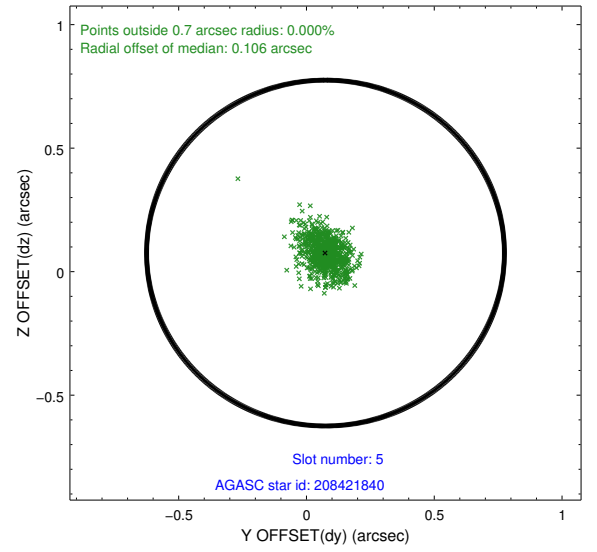
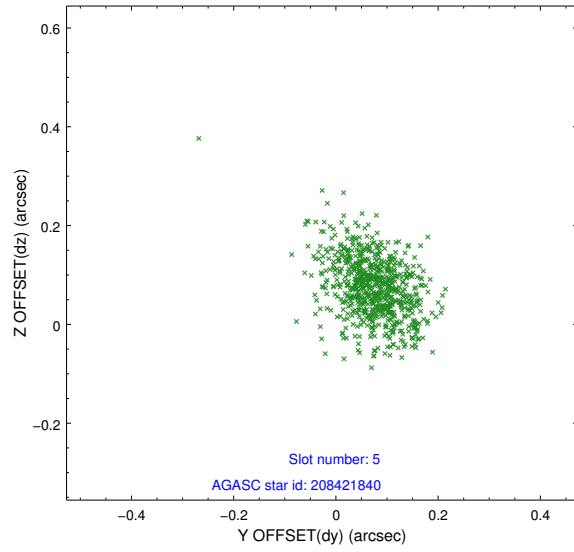
2.4.1 Slot 3



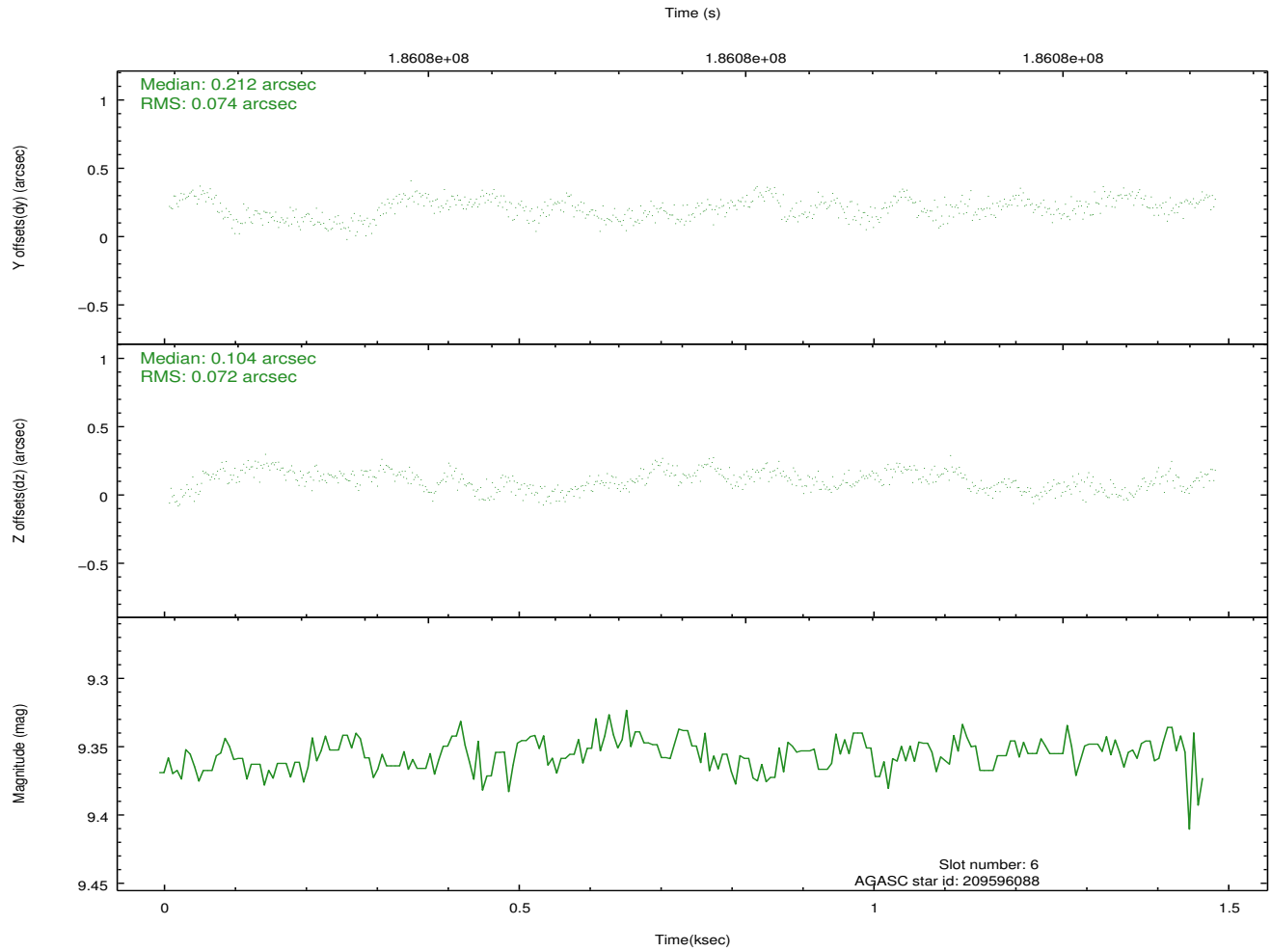
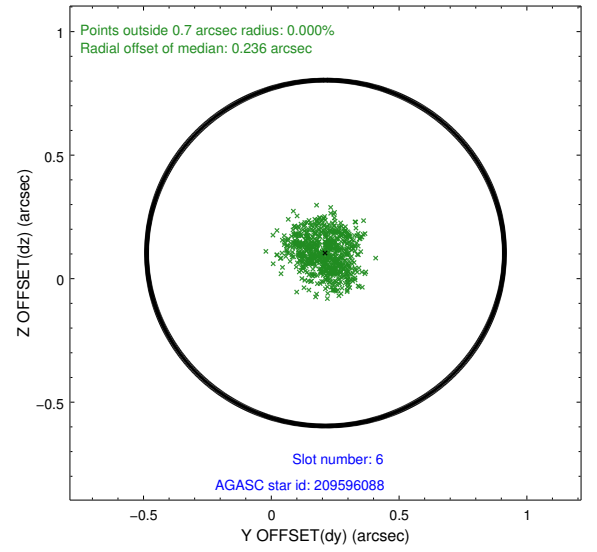
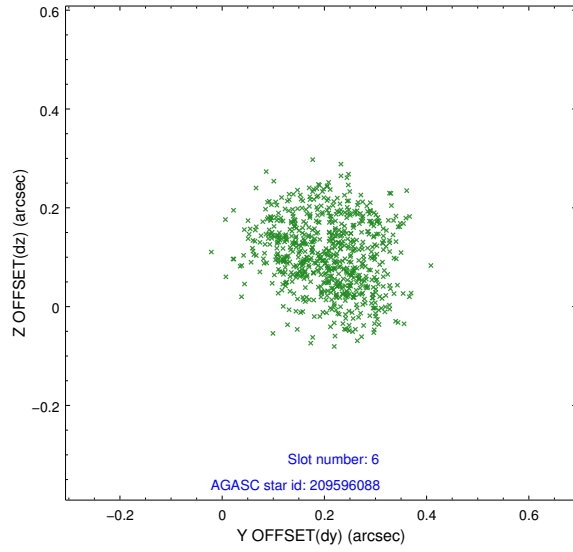
2.4.2 Slot 4



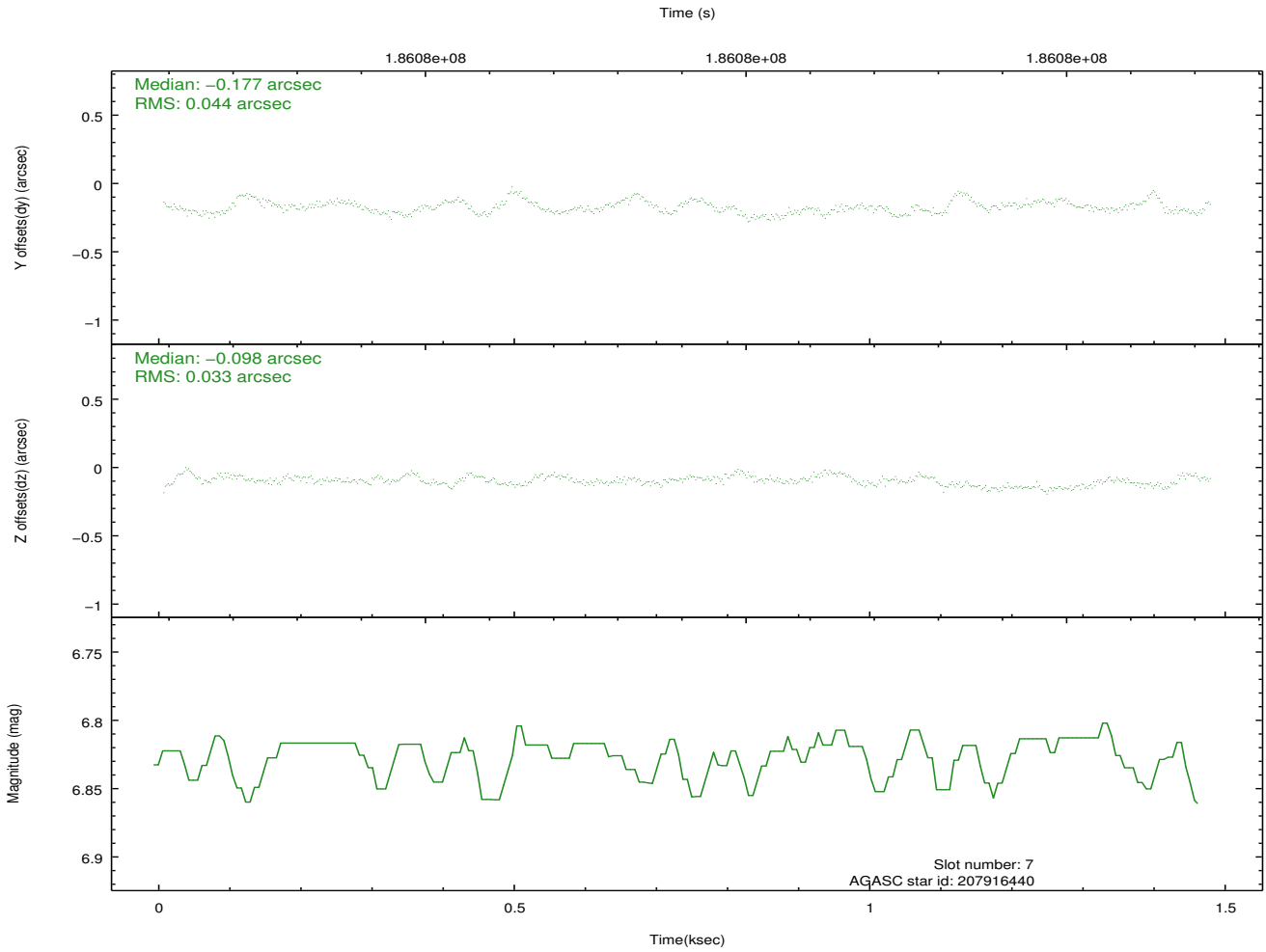
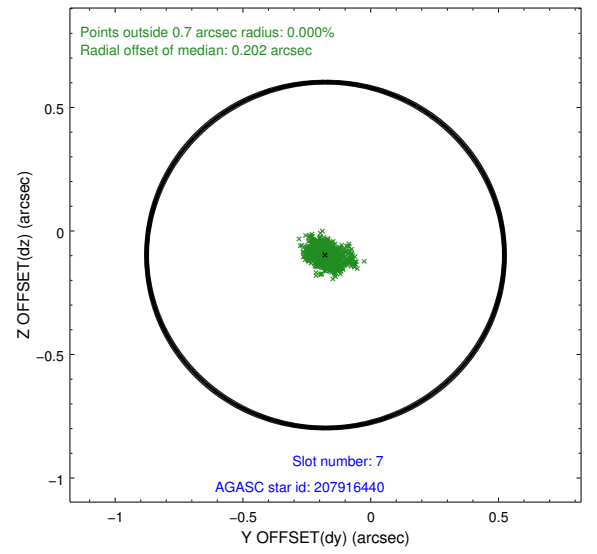
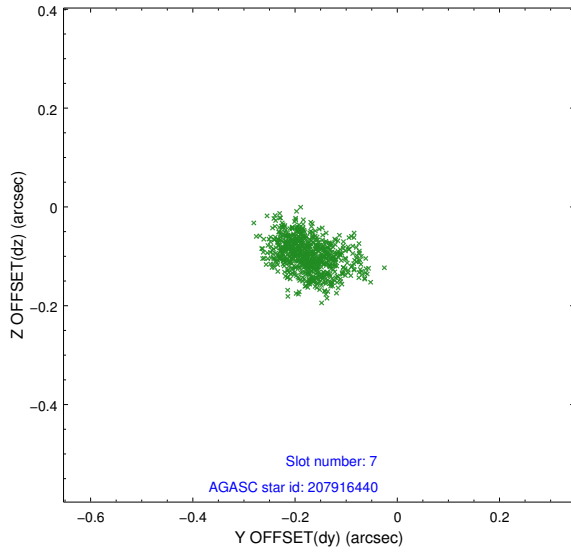
2.4.3 Slot 5



2.4.4 Slot 6

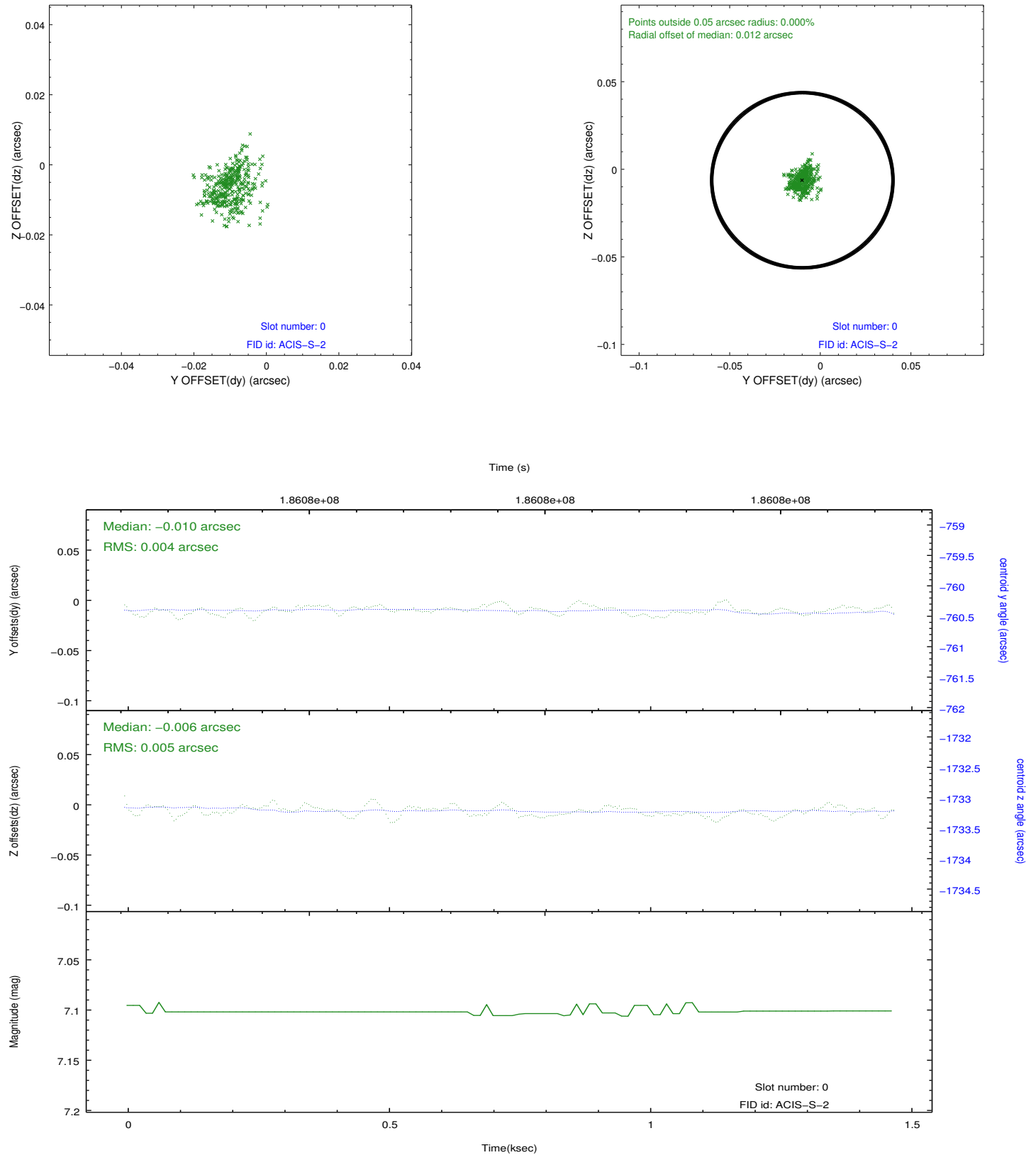


2.4.5 Slot 7

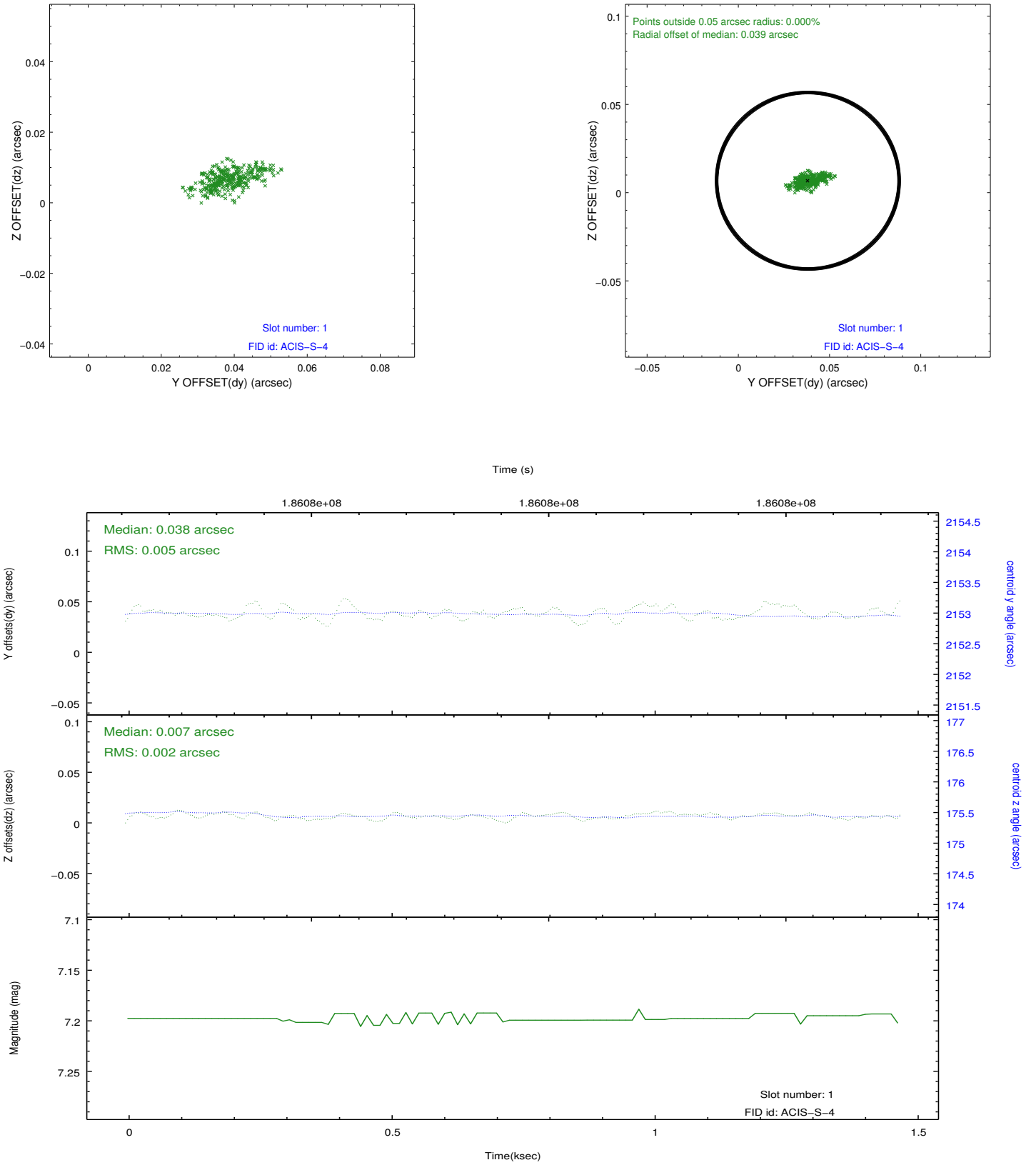


2.5 FID Slots

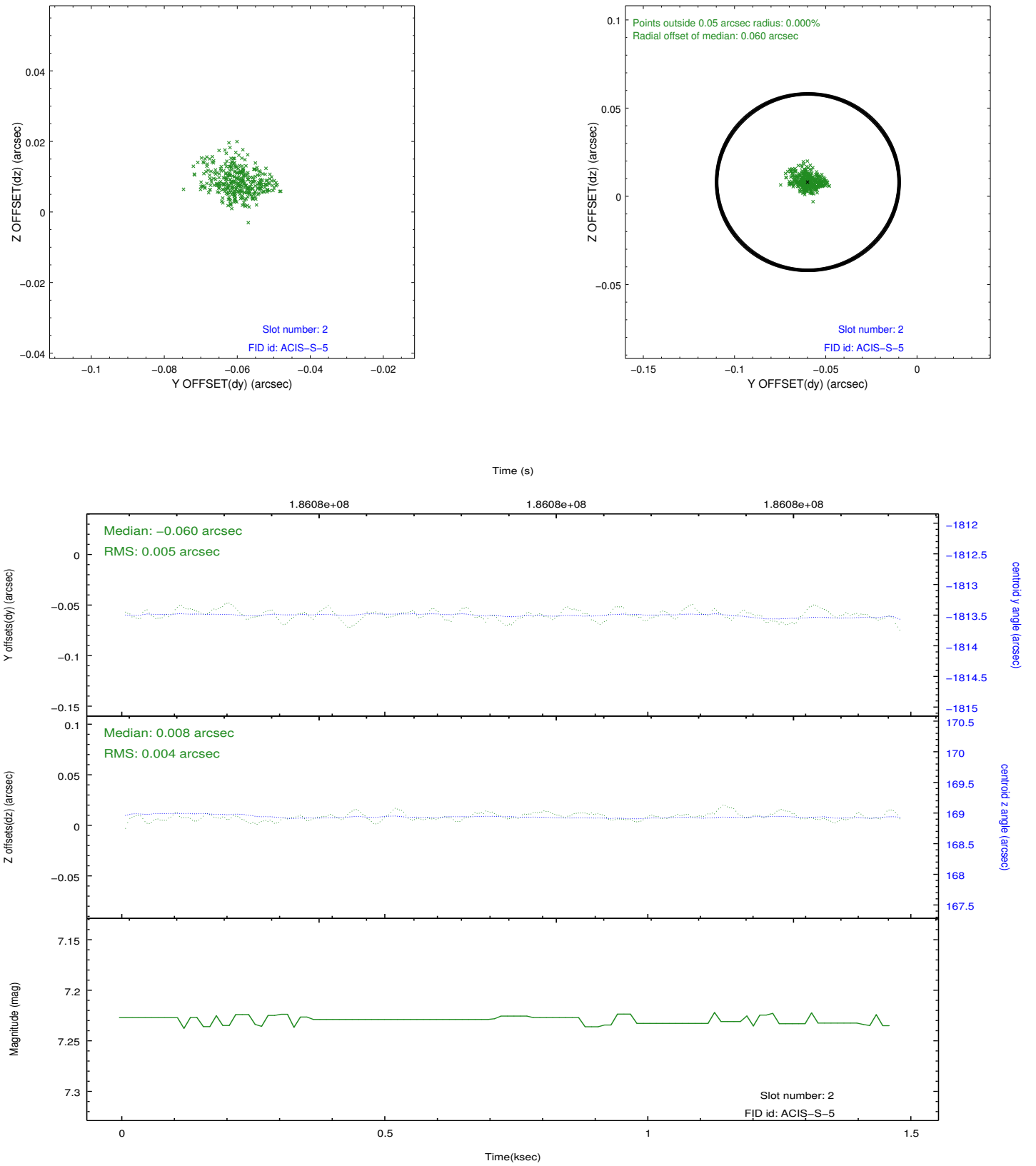
2.5.1 Slot 0



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.