

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5267 - L2 Version 3
Chandra X-Ray Center

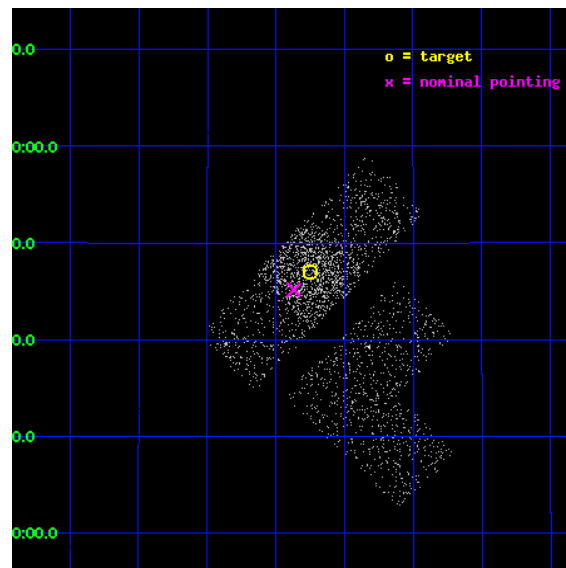
L2 Processing Date : Nov 8 2012

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1 Front

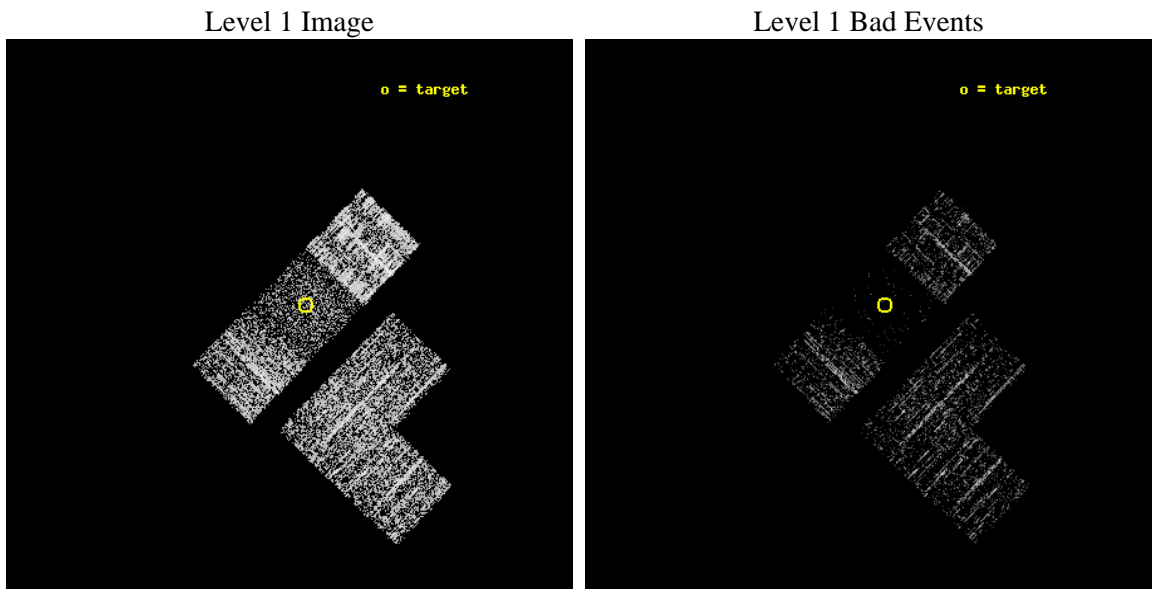
seq_num	100051	Sequence number
obs_id	5267	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.6876	Observer's specified target RA [deg]
dec_targ	16.78442	Observer's specified target Dec [deg]
ra_nom	287.71729450615	Nominal RA [deg]
dec_nom	16.752666797582	Nominal Dec [deg]
roll_nom	314.14812432947	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1468.7999945283	Sum of GTIs [s]
livetime	1450.2011645924	Livetime [s]
ontime0	1468.7999945283	Sum of GTIs [s]
ontime2	1468.7999945283	Sum of GTIs [s]
ontime3	1468.7999945283	Sum of GTIs [s]
ontime6	1468.7999945283	Sum of GTIs [s]
ontime7	1468.7999945283	Sum of GTIs [s]
ontime8	1468.7999945283	Sum of GTIs [s]
l2events	2907	Number of level 2 events



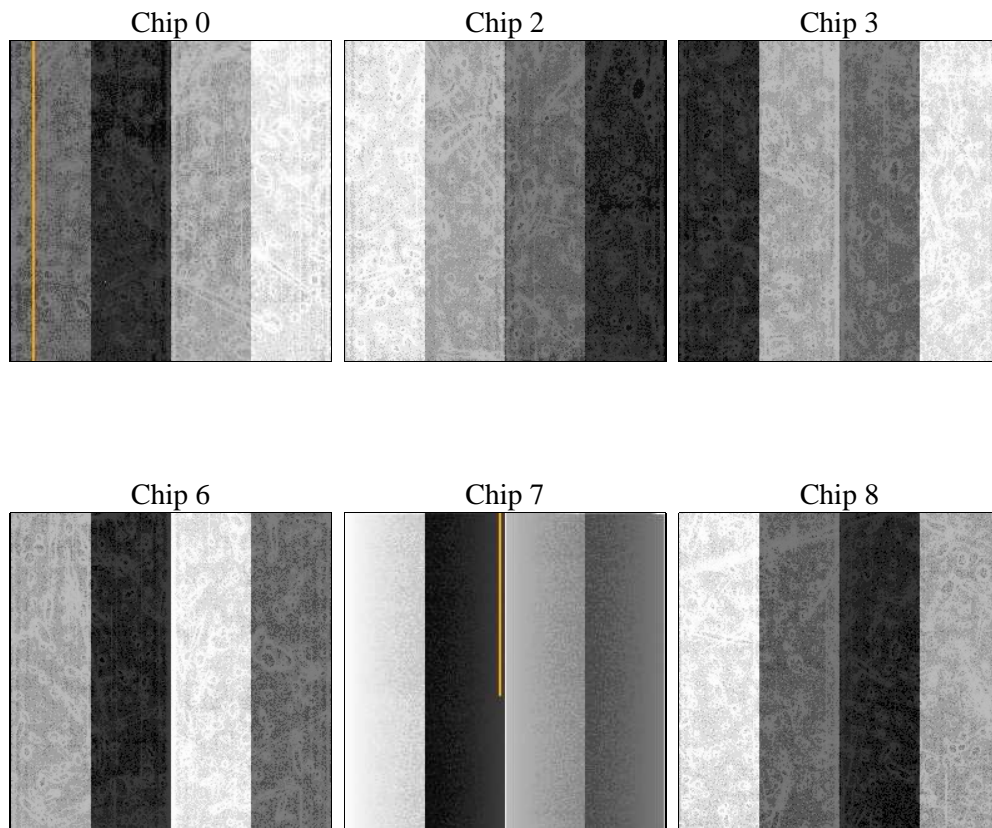
2 OBI

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	1468.7999945283	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1468.7999945283	Sum of GTIs [s]
date	2012-11-08T02:31:23	Date and time of file creation	ontime2	1468.7999945283	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1468.7999945283	Sum of GTIs [s]
			ontime6	1468.7999945283	Sum of GTIs [s]
			ontime7	1468.7999945283	Sum of GTIs [s]
			ontime8	1468.7999945283	Sum of GTIs [s]
			l1events	39588	Number of level 1 events

2.1.4 Events

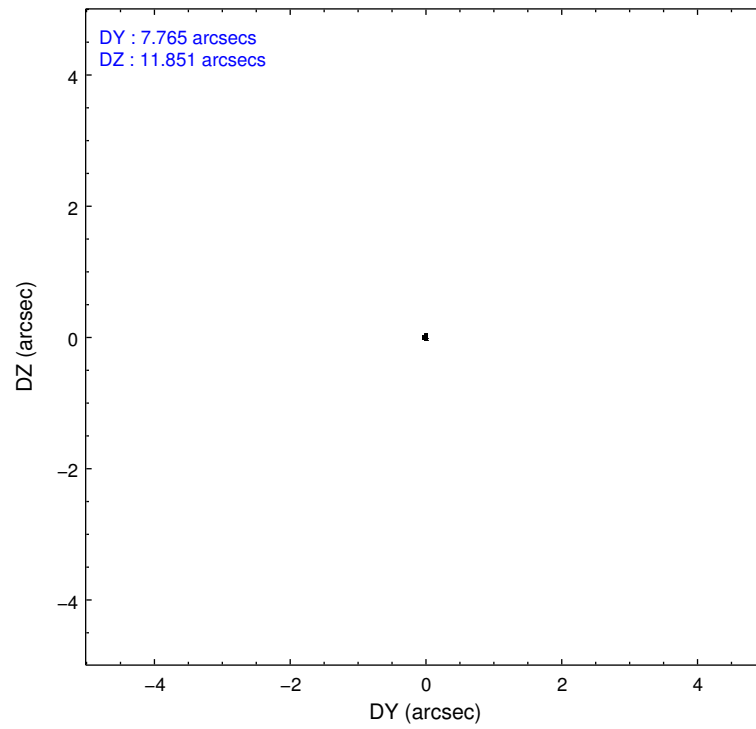
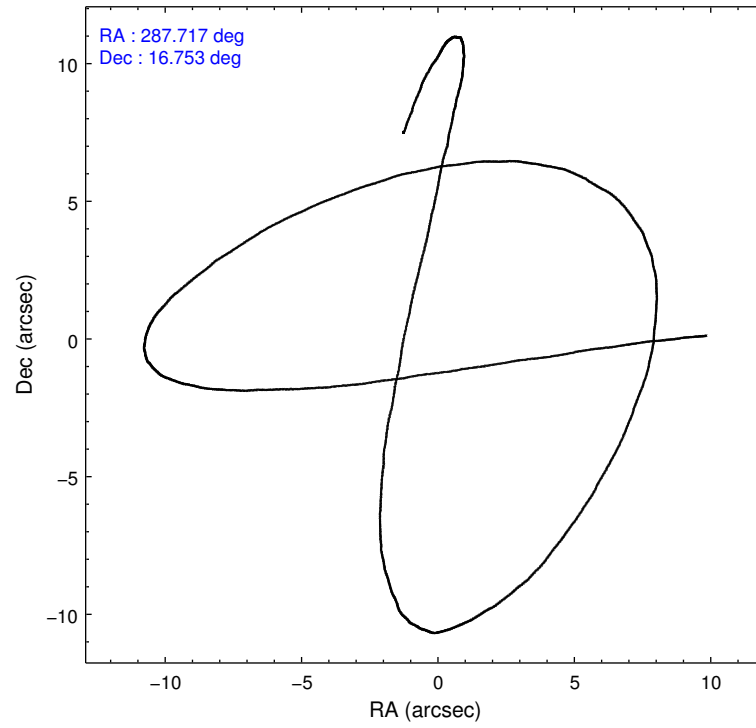
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	6103	6726	5640	6698	2294	12127
rejected events	5655	6141	5275	6209	955	7264
rejected %	92%	91%	93%	92%	41%	59%

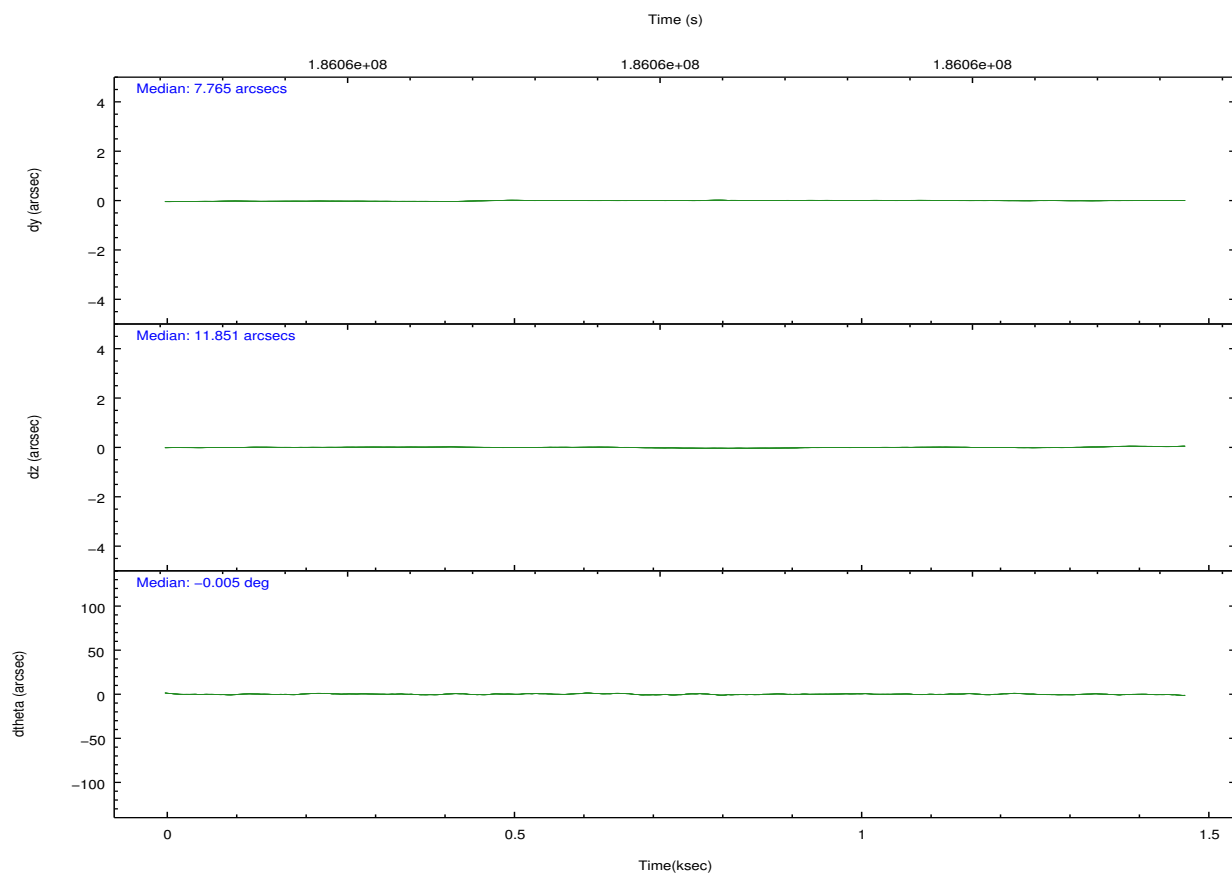
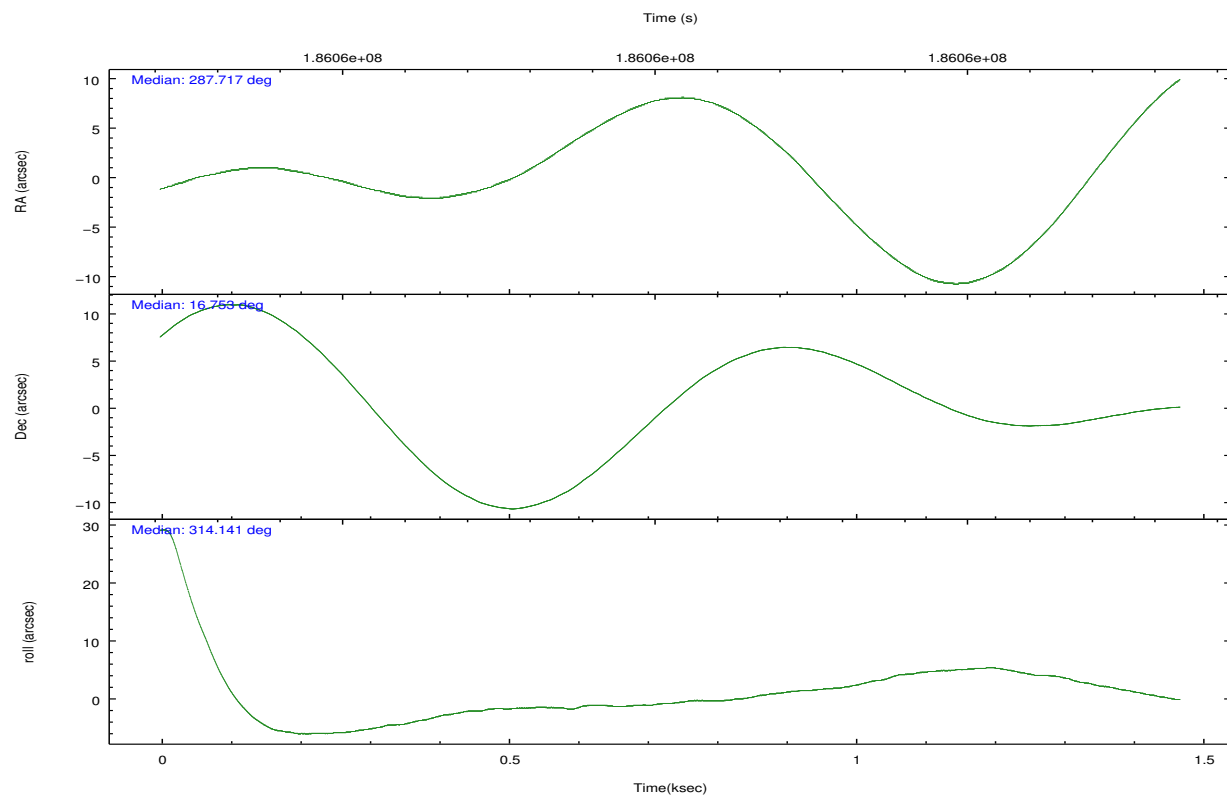
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	241	352	219	297	371	1605
	3%	5%	3%	4%	16%	13%
grade 1 events	1	4	2	2	6	8
	0%	0%	0%	0%	0%	0%
grade 2 events	156	192	98	141	450	1039
	2%	2%	1%	2%	19%	8%
grade 3 events	41	52	39	56	204	984
	0%	0%	0%	0%	8%	8%
grade 4 events	48	68	43	65	167	869
	0%	1%	0%	0%	7%	7%
grade 5 events	60	39	71	49	175	175
	0%	0%	1%	0%	7%	1%
grade 6 events	58	75	49	57	482	1519
	0%	1%	0%	0%	21%	12%
grade 7 events	5498	5944	5119	6031	439	5928
	90%	88%	90%	90%	19%	48%

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	287.689975	287.7172945061455	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.759512	16.75266679758161	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999319	314.1481243294746	[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)	186062464.184000	186062087.53228			
Observation start date	2003-11-24T12:00:00	2003-11-24T11:54:47			
[s] Observation end time (MET)	186063754.184000	186063887.43235			
Observation end date	2003-11-24T12:21:30	2003-11-24T12:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



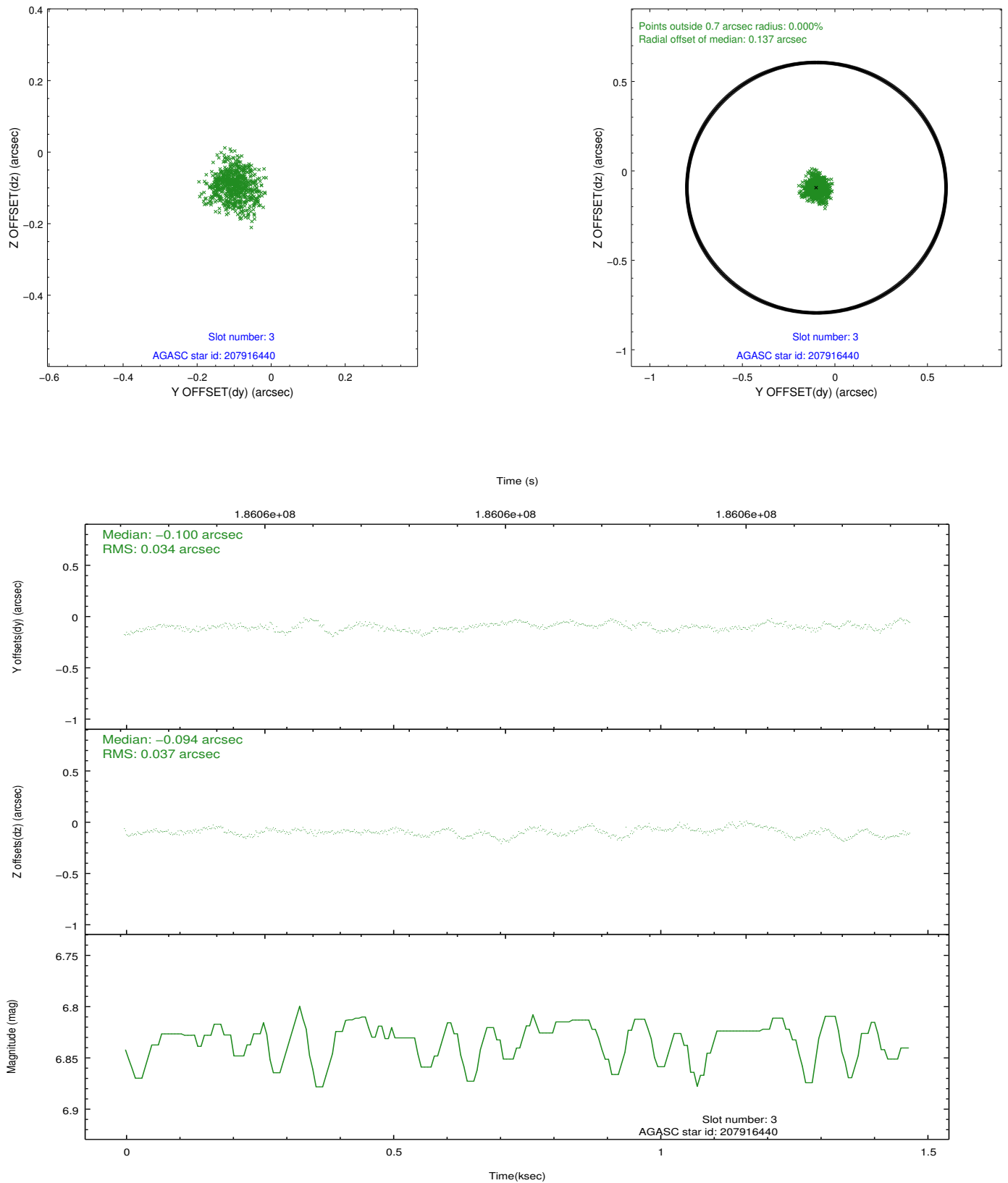


Slot Statistics

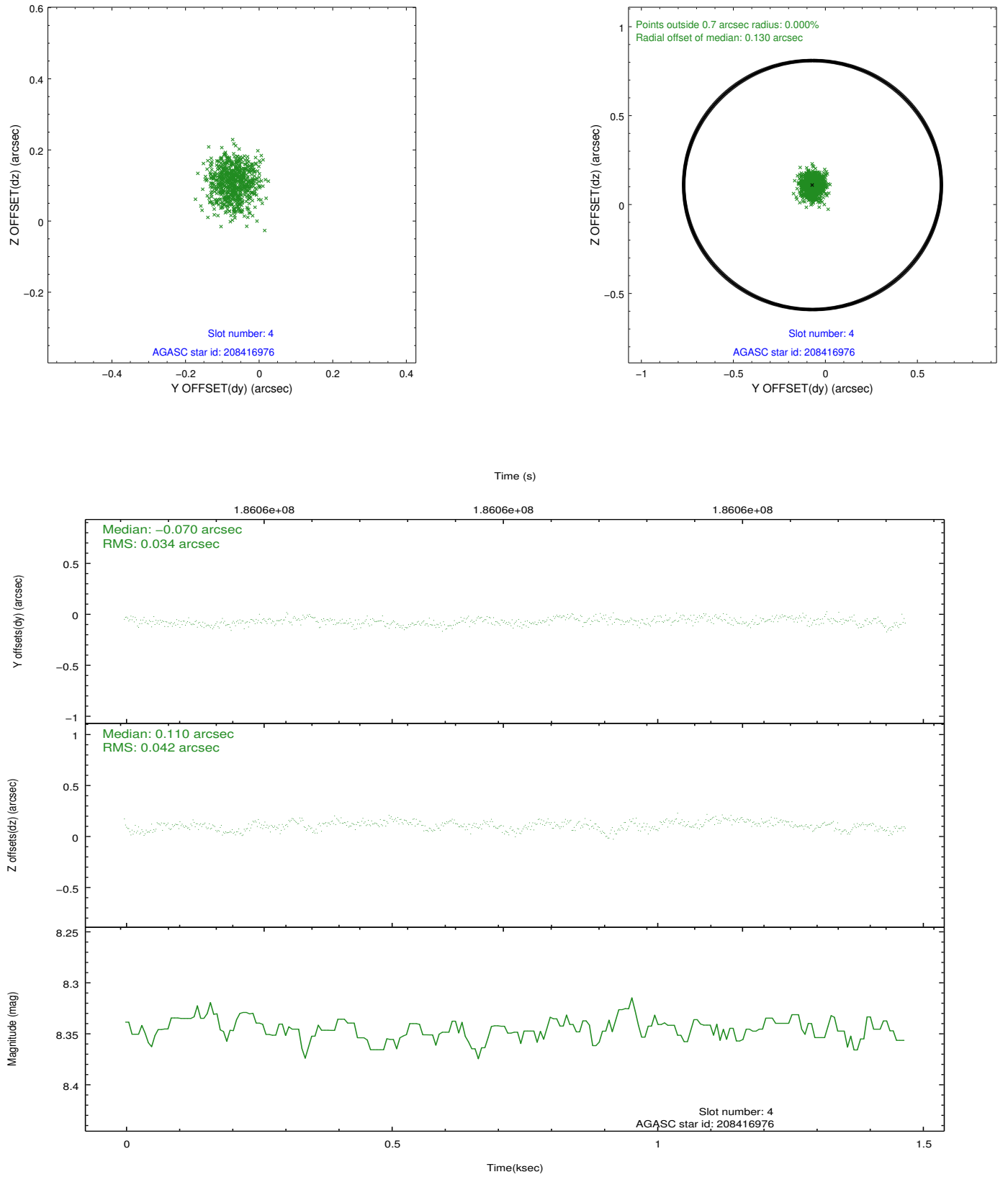
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	359	0.060	-0.085	0.008	0.014	0.000000	0.000000	935.54	-1728.87
1	FID	ACIS-S-5	7.23	359	-0.048	0.047	0.007	0.012	0.000000	0.000000	-1811.02	164.20
2	FID	ACIS-S-6	7.34	359	-0.033	0.049	0.009	0.020	0.000000	0.000000	396.17	813.23
3	GUIDE	207916440	6.83	718	-0.100	-0.094	0.055	0.086	287.167522	16.851310	-1488.28	-1064.30
4	GUIDE	208416976	8.35	718	-0.070	0.110	0.059	0.092	287.326965	17.073967	-1683.68	-113.29
5	GUIDE	208421840	9.21	718	0.140	-0.111	0.087	0.151	287.570311	16.918850	-699.88	101.75
6	GUIDE	209585448	7.94	718	0.016	0.044	0.064	0.097	288.114724	16.850123	781.95	1280.54
7	GUIDE	207909176	8.42	717	0.008	0.050	0.078	0.128	287.357845	16.116738	868.71	-2431.01

2.4 Star Slots

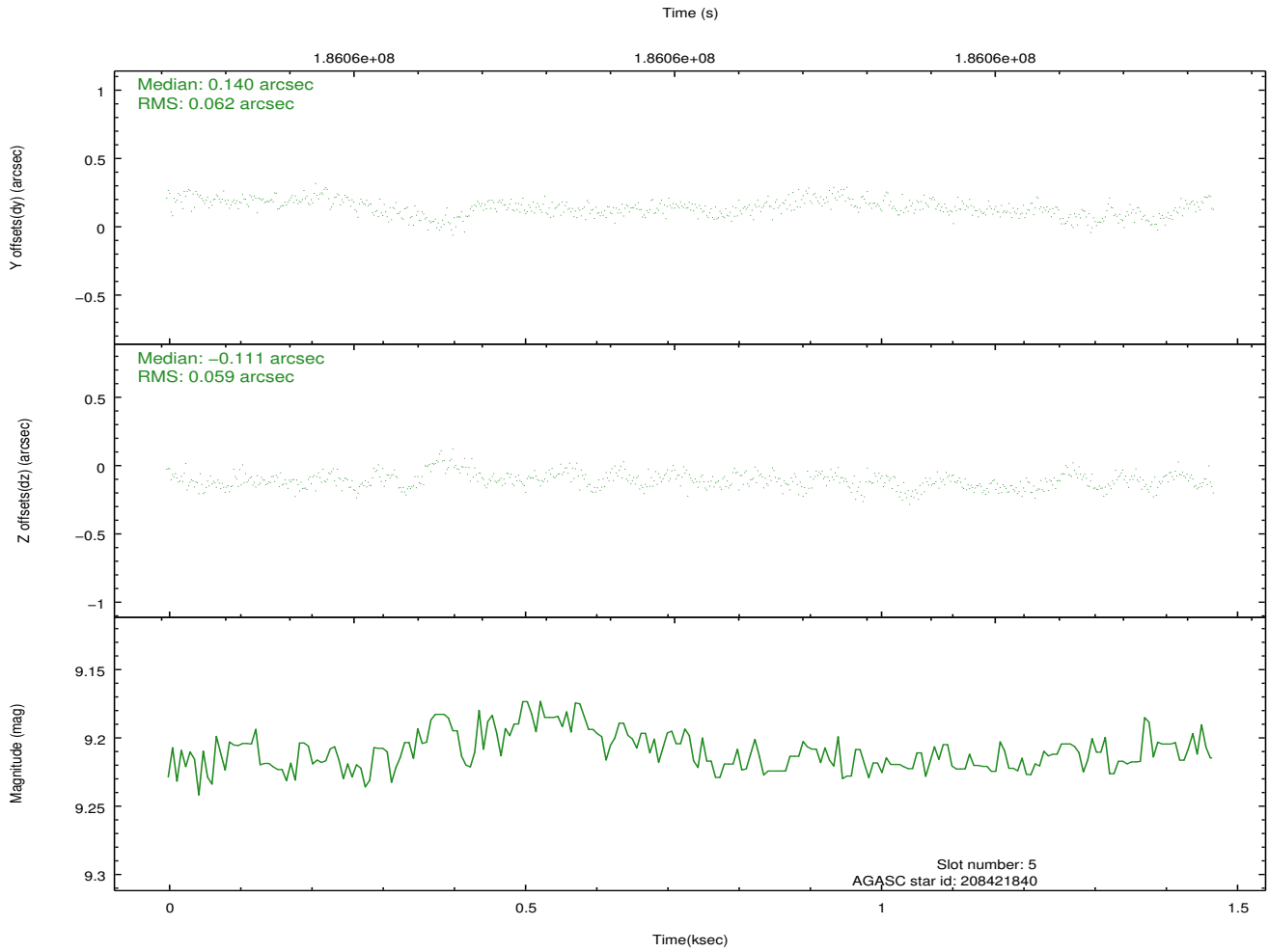
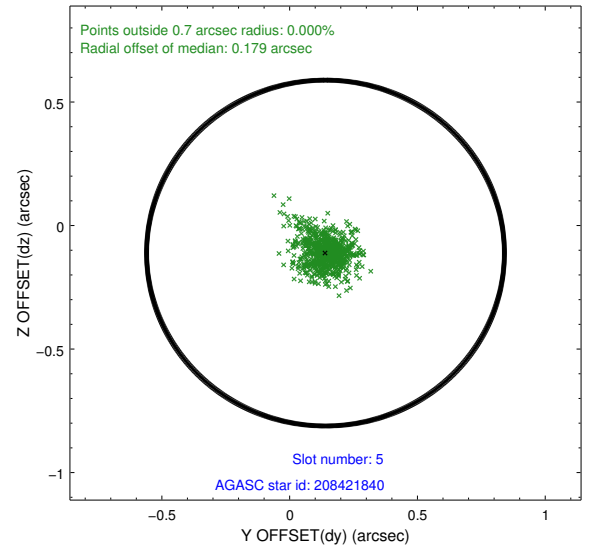
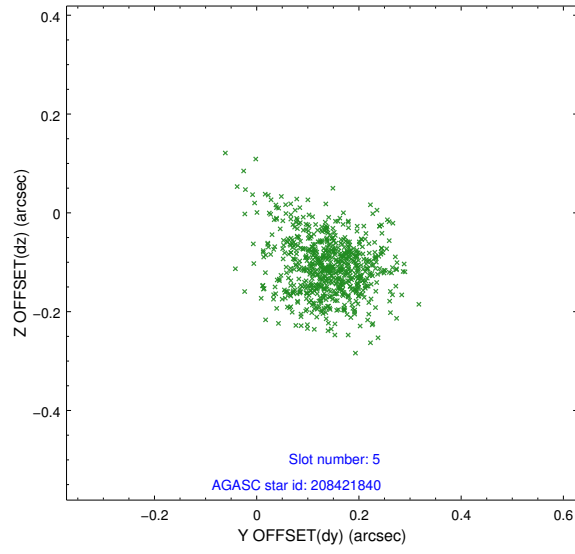
2.4.1 Slot 3



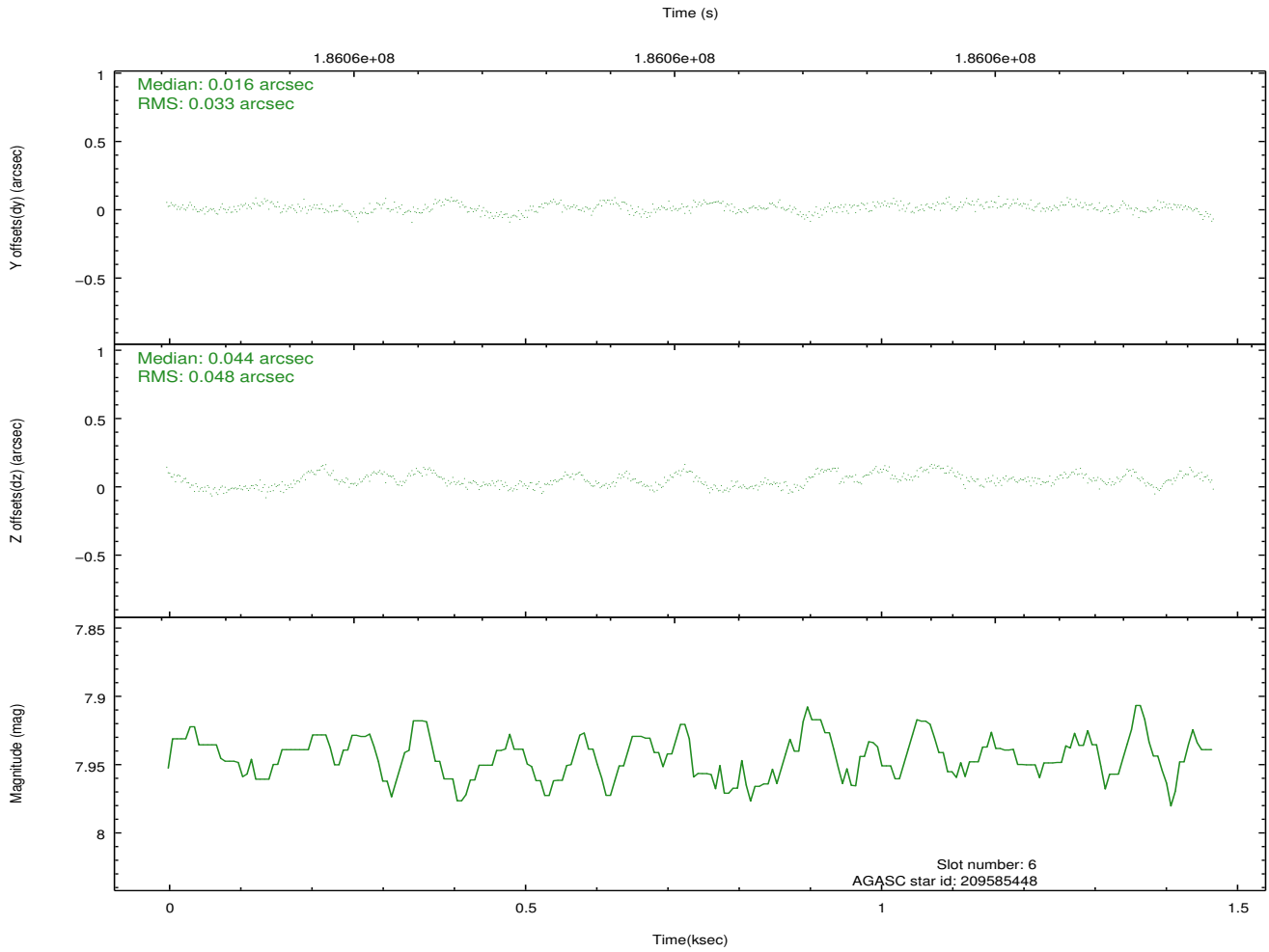
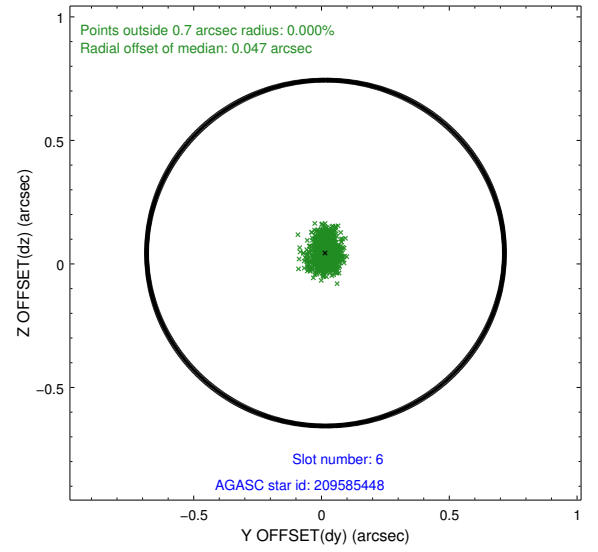
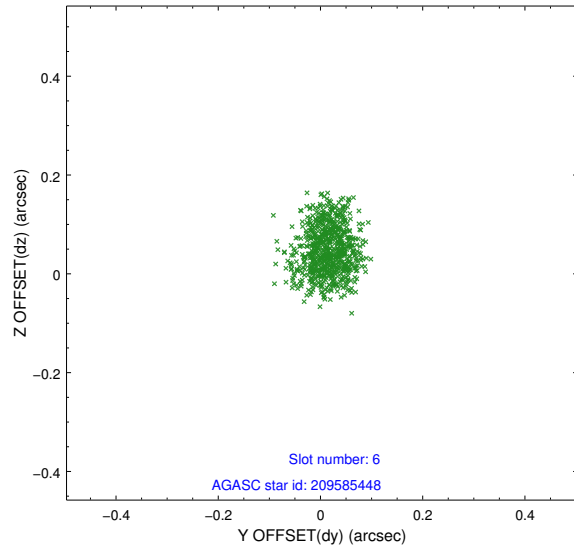
2.4.2 Slot 4



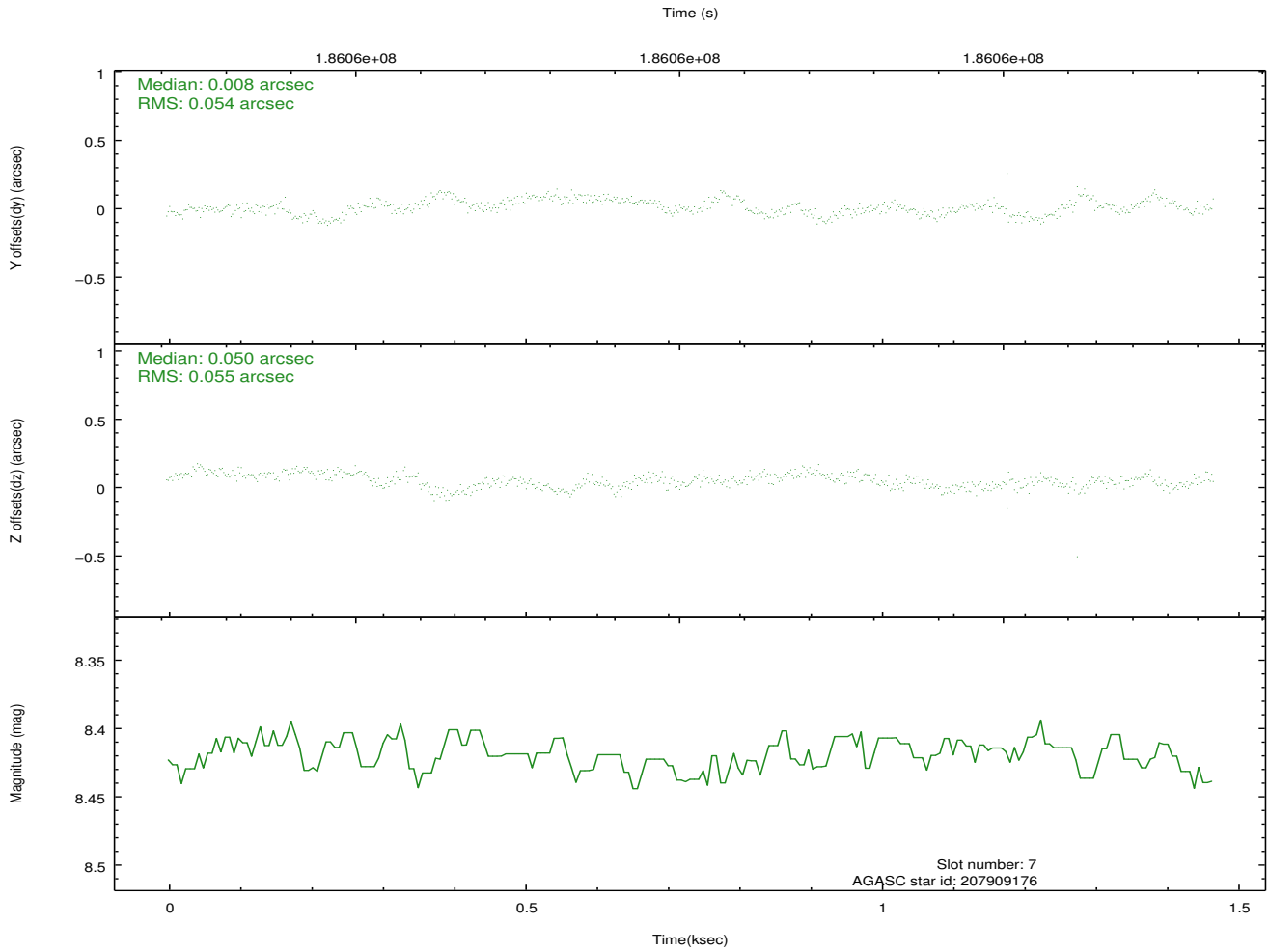
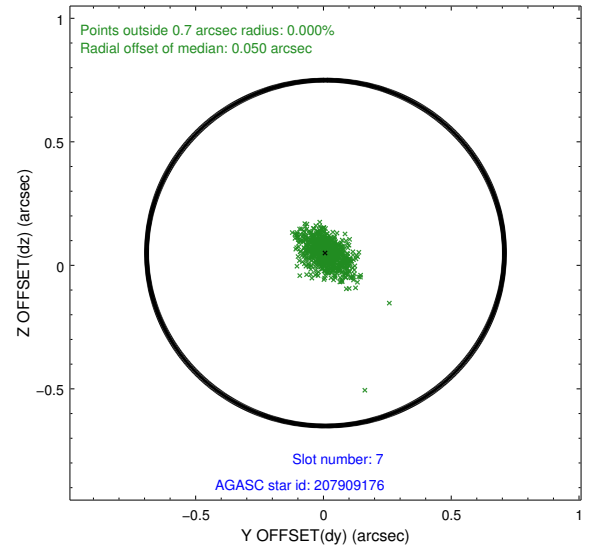
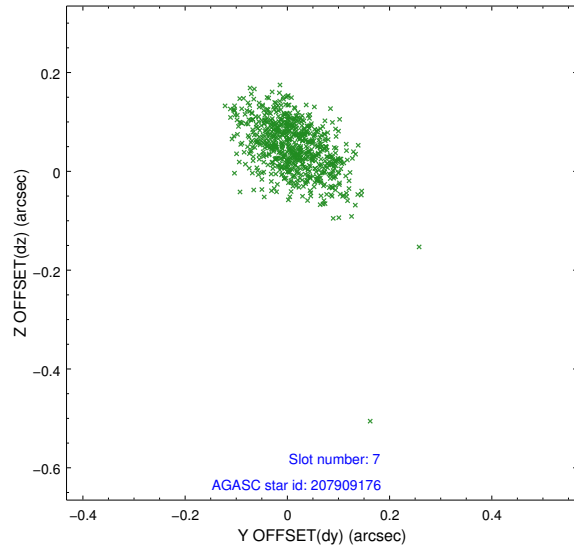
2.4.3 Slot 5



2.4.4 Slot 6

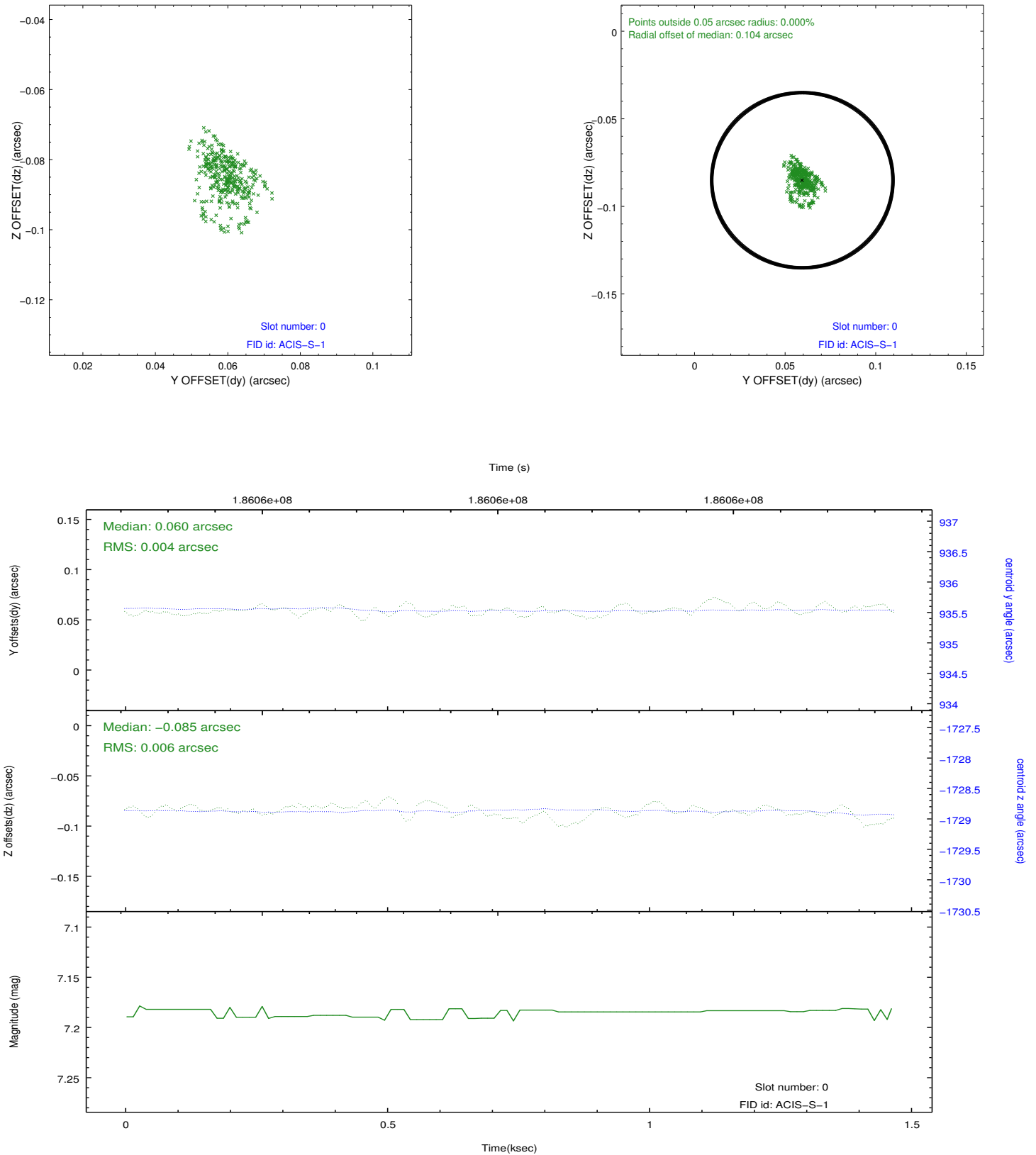


2.4.5 Slot 7

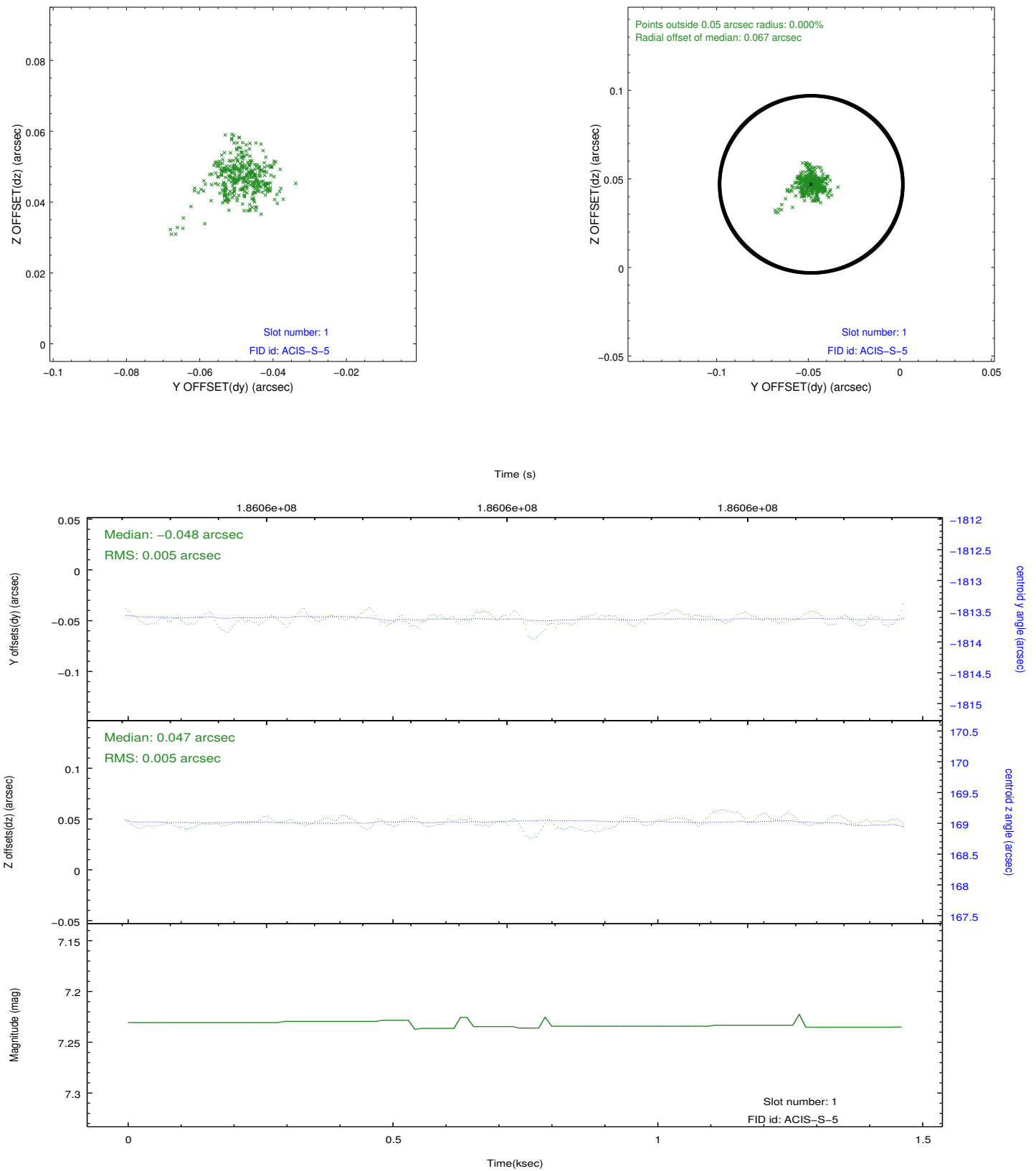


2.5 FID Slots

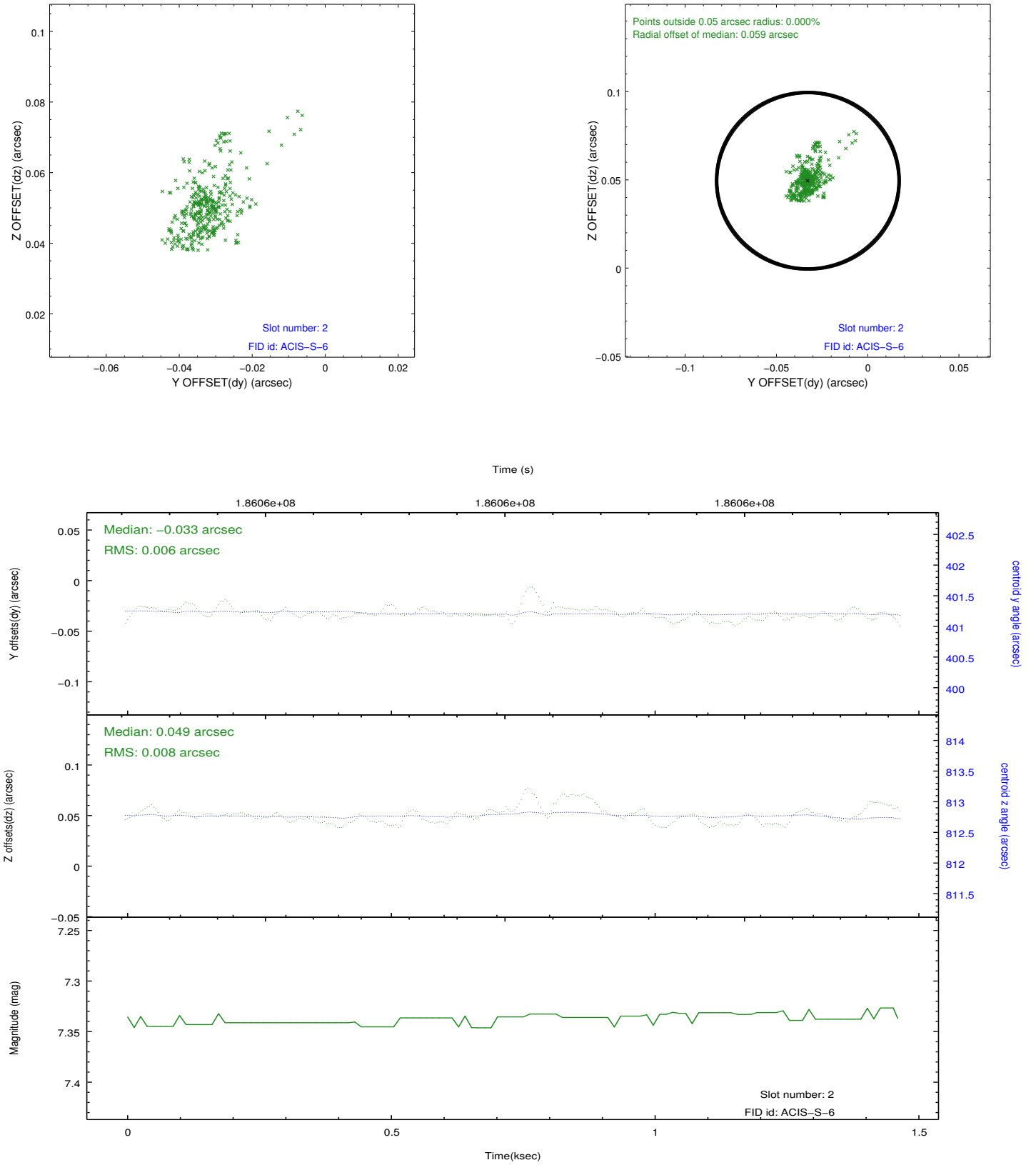
2.5.1 Slot 0



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	1.468

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.