

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5270 - L2 Version 3
Chandra X-Ray Center

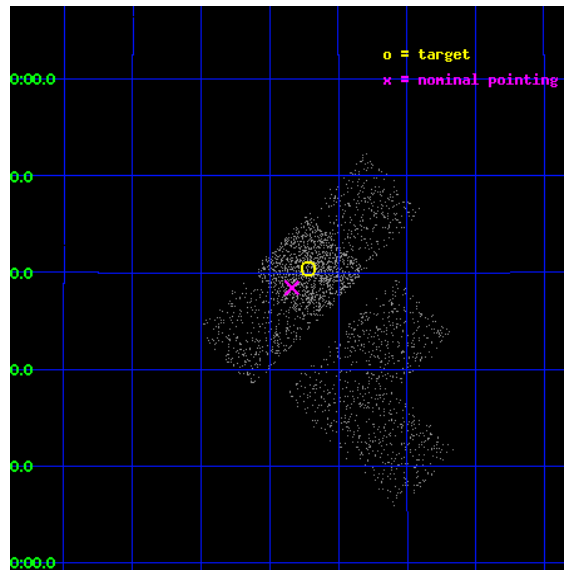
L2 Processing Date : Nov 8 2012

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1 Front

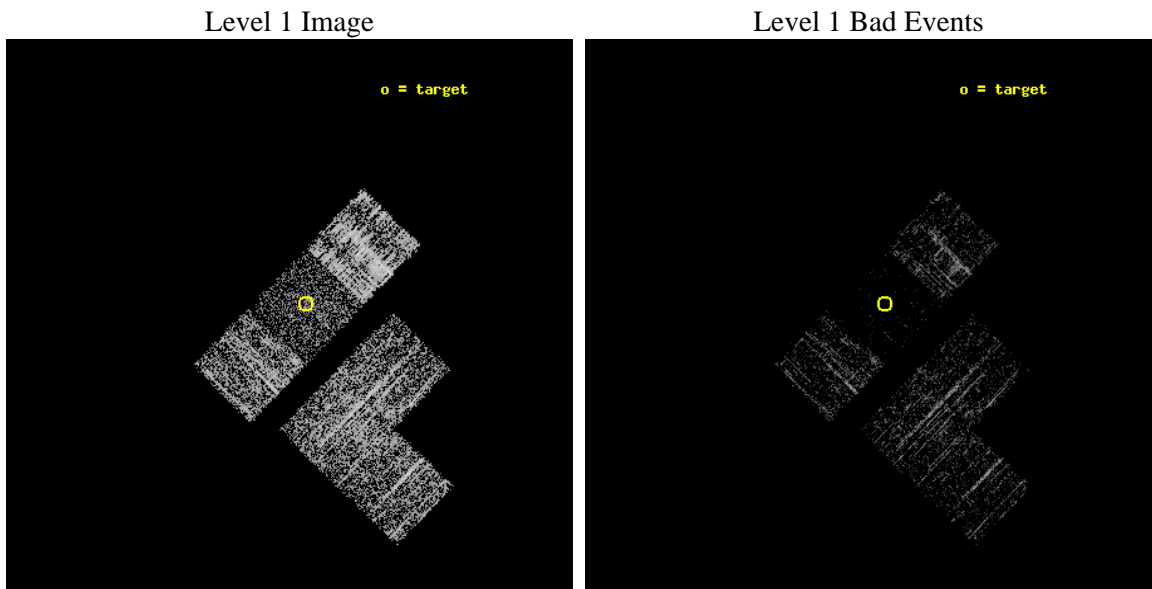
seq_num	100051	Sequence number
obs_id	5270	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.55459	Observer's specified target RA [deg]
dec_targ	16.67314	Observer's specified target Dec [deg]
ra_nom	287.58467475152	Nominal RA [deg]
dec_nom	16.640756821091	Nominal Dec [deg]
roll_nom	314.14805808029	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	1468.7590342462	Sum of GTIs [s]
ontime7	1471.9999945164	Sum of GTIs [s]
ontime8	1471.9999945164	Sum of GTIs [s]
l2events	3007	Number of level 2 events



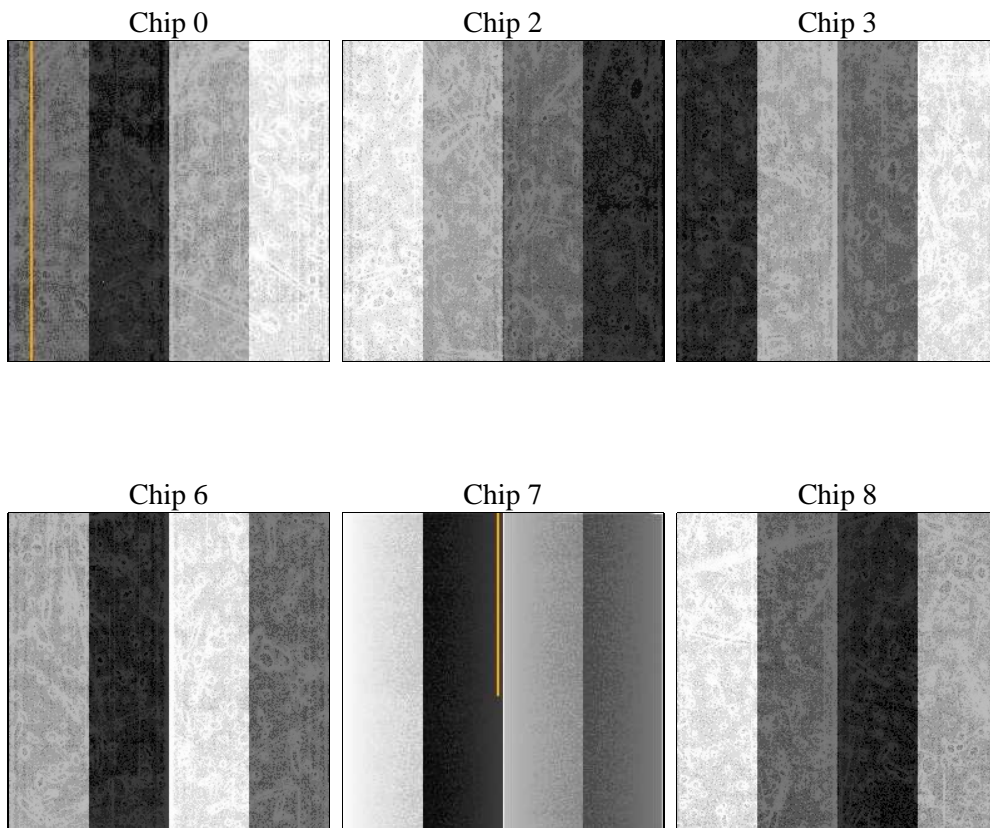
2 OBI

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	2012-11-08T02:32:59	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	1468.7590342462	Sum of GTIs [s]
			ontime7	1471.9999945164	Sum of GTIs [s]
			ontime8	1471.9999945164	Sum of GTIs [s]
			l1events	40350	Number of level 1 events

2.1.4 Events

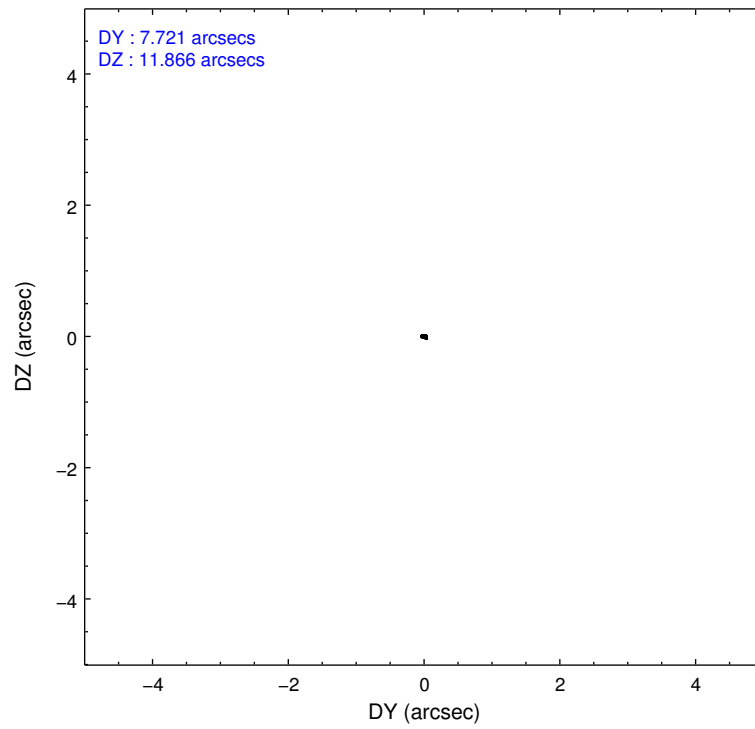
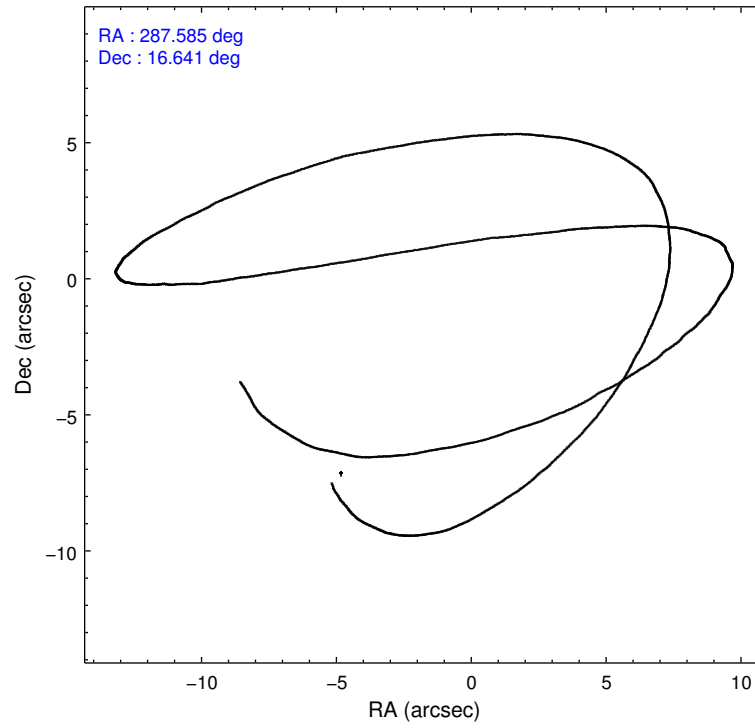
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5844	7286	6075	6498	2383	12264
rejected events	5377	6759	5686	5954	902	7131
rejected %	92%	92%	93%	91%	37%	58%

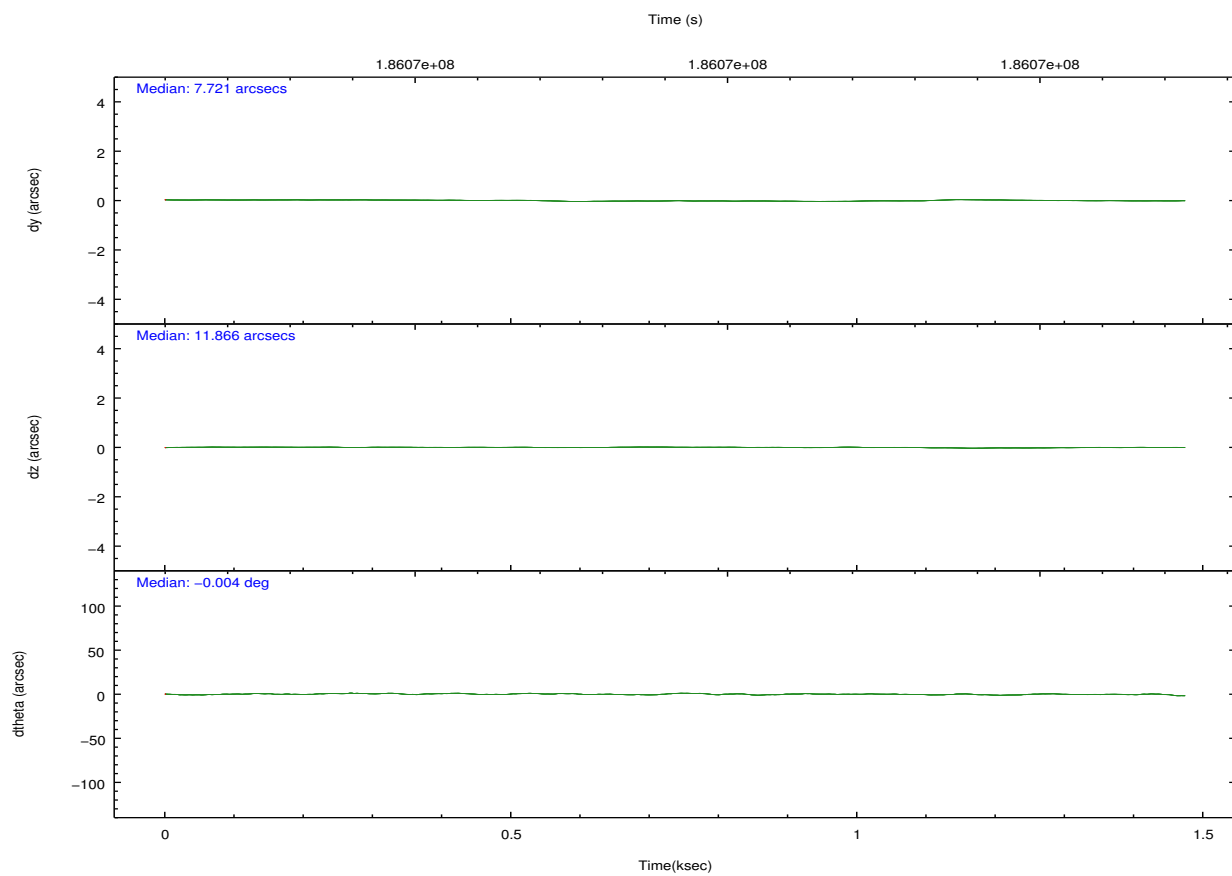
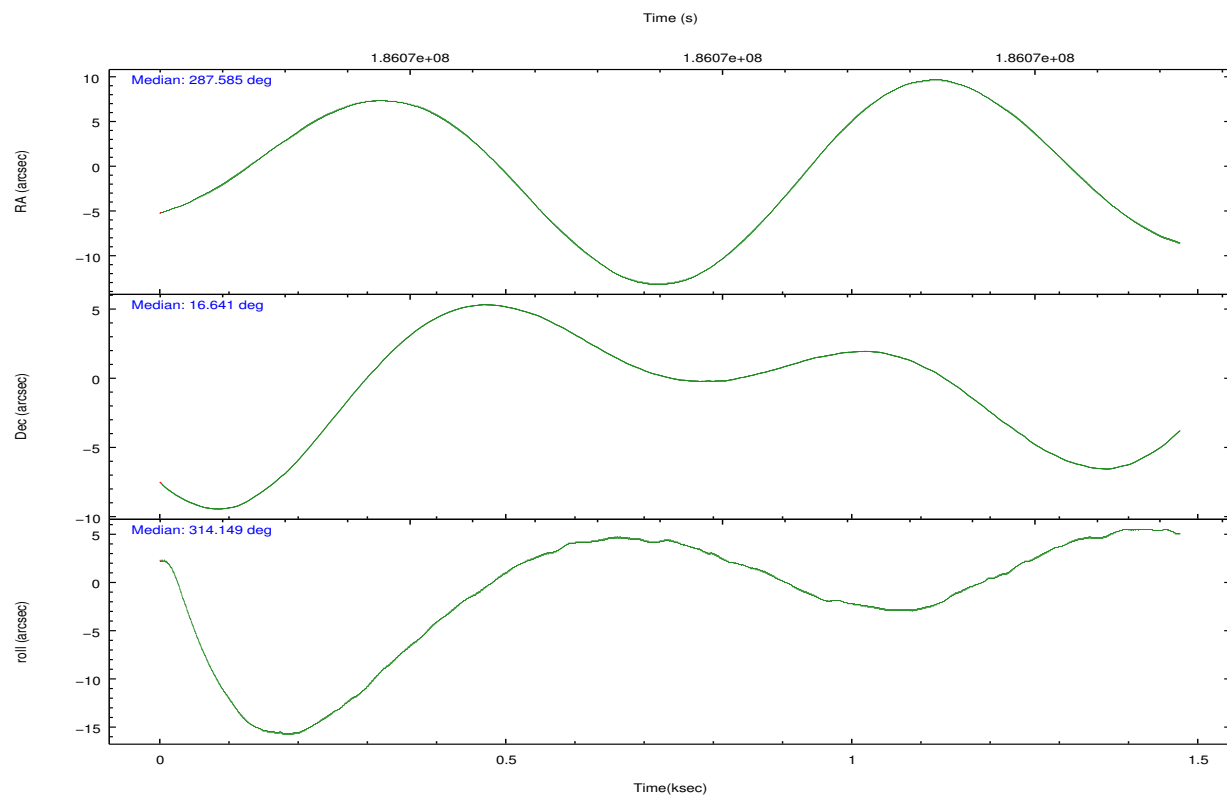
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	234	288	224	341	428	1792
	4%	3%	3%	5%	17%	14%
grade 1 events	1	2	4	3	13	21
	0%	0%	0%	0%	0%	0%
grade 2 events	161	191	97	164	495	915
	2%	2%	1%	2%	20%	7%
grade 3 events	59	41	53	47	180	1035
	1%	0%	0%	0%	7%	8%
grade 4 events	48	63	55	54	199	924
	0%	0%	0%	0%	8%	7%
grade 5 events	44	57	40	47	141	183
	0%	0%	0%	0%	5%	1%
grade 6 events	66	55	50	45	484	1366
	1%	0%	0%	0%	20%	11%
grade 7 events	5231	6589	5552	5797	443	6028
	89%	90%	91%	89%	18%	49%

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	287.556968	287.584674751516	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.648225	16.6407568210907	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999312	314.1480580802855	[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)	186067864.184000	186067487.74501			
Observation start date	2003-11-24T13:30:00	2003-11-24T13:24:47			
[s] Observation end time (MET)	186069154.184000	186069288.15759			
Observation end date	2003-11-24T13:51:30	2003-11-24T13:54:48			
Read mode	TIMED	TIMED			

2.3 Aspect



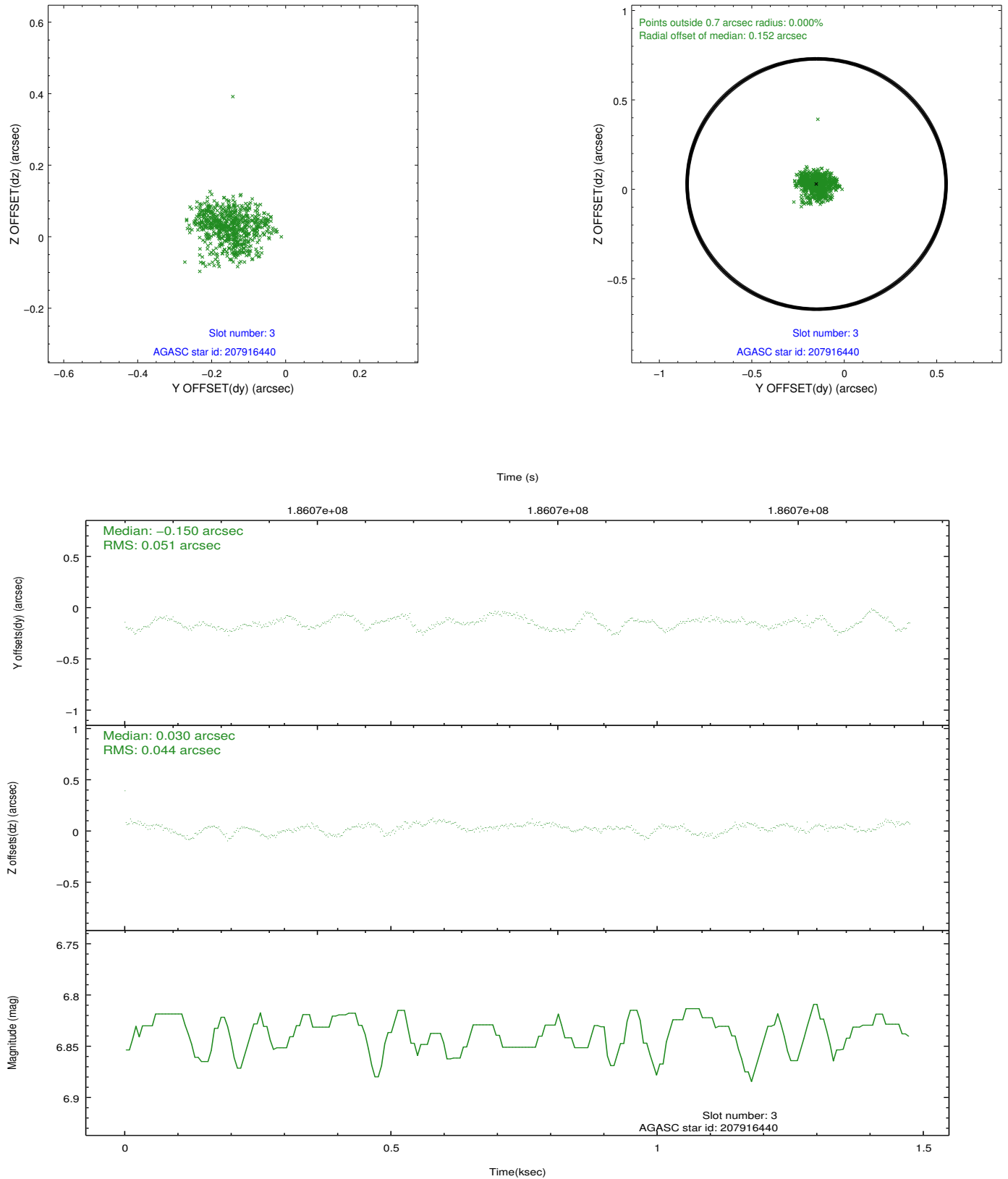


Slot Statistics

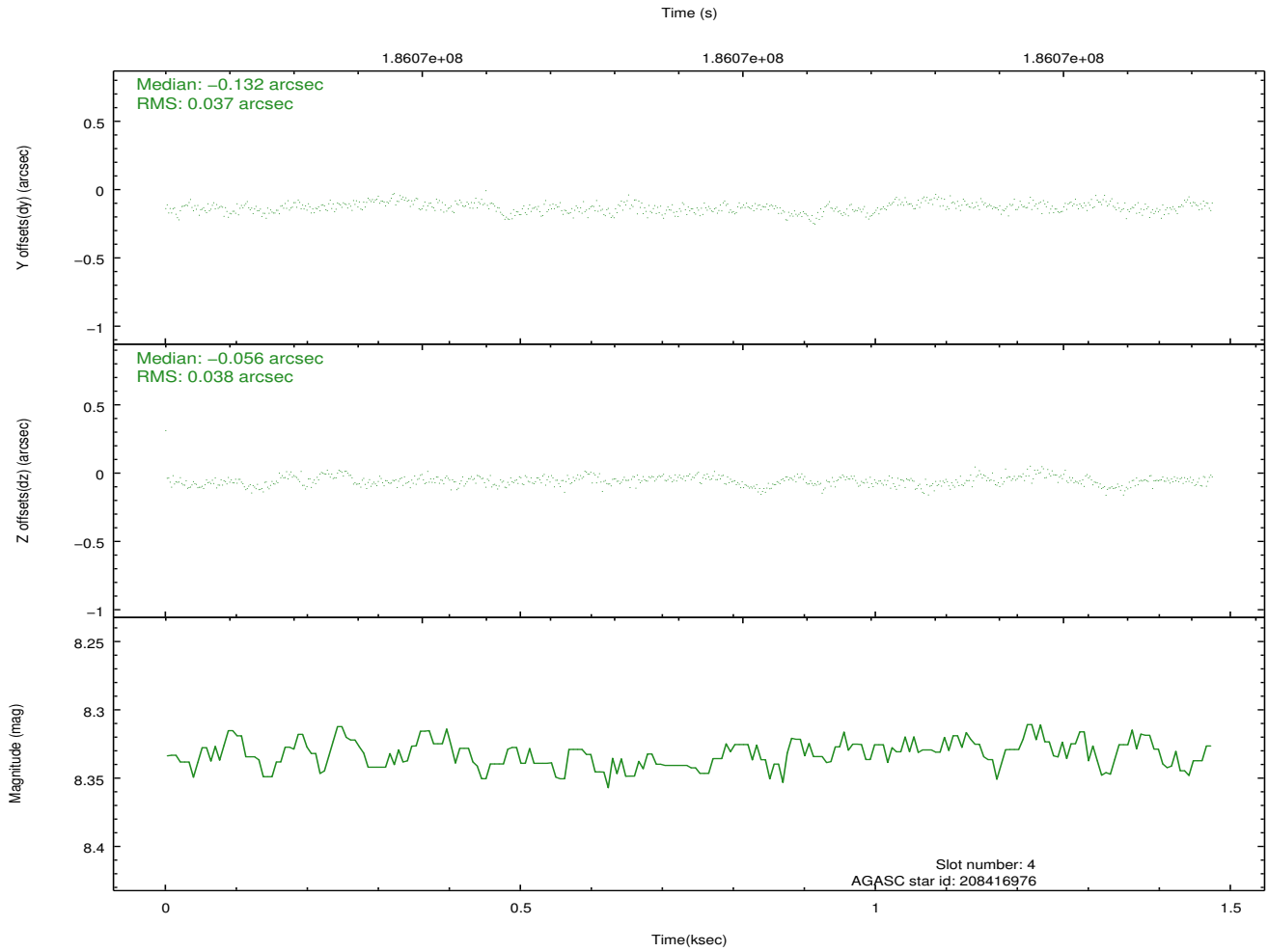
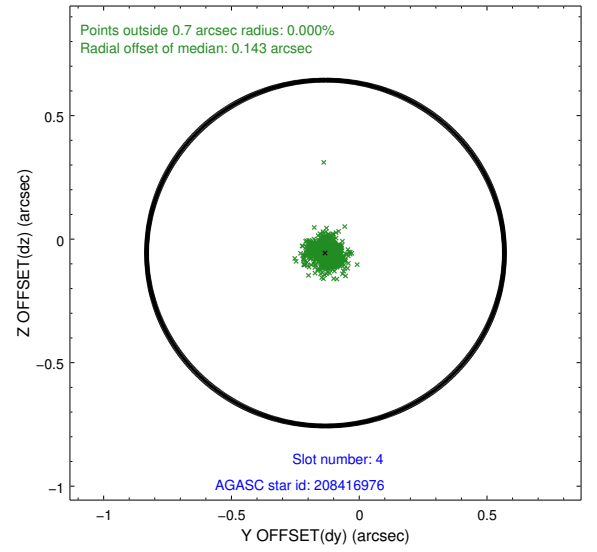
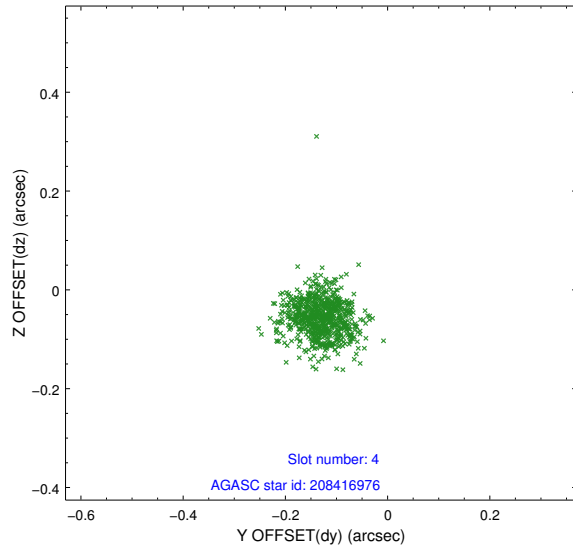
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.19	360	0.057	-0.006	0.006	0.012	0.000000	0.000000	2152.91	175.49
1	FID	ACIS-S-5	7.24	360	-0.046	0.006	0.006	0.010	0.000000	0.000000	-1807.60	169.46
2	FID	ACIS-S-6	7.34	360	-0.039	0.014	0.008	0.012	0.000000	0.000000	396.23	813.19
3	GUIDE	207916440	6.84	720	-0.150	0.030	0.074	0.111	287.167522	16.851310	-1460.27	-456.35
4	GUIDE	208416976	8.33	720	-0.132	-0.056	0.054	0.090	287.326965	17.073967	-1656.18	495.11
5	GUIDE	208421840	9.20	720	0.097	-0.012	0.081	0.125	287.570311	16.918850	-672.48	710.95
6	GUIDE	209596088	9.37	720	0.189	0.049	0.087	0.159	288.150718	16.305149	2309.22	621.42
7	GUIDE	209585448	7.95	719	-0.002	-0.013	0.062	0.100	288.114724	16.850123	812.89	1890.27

2.4 Star Slots

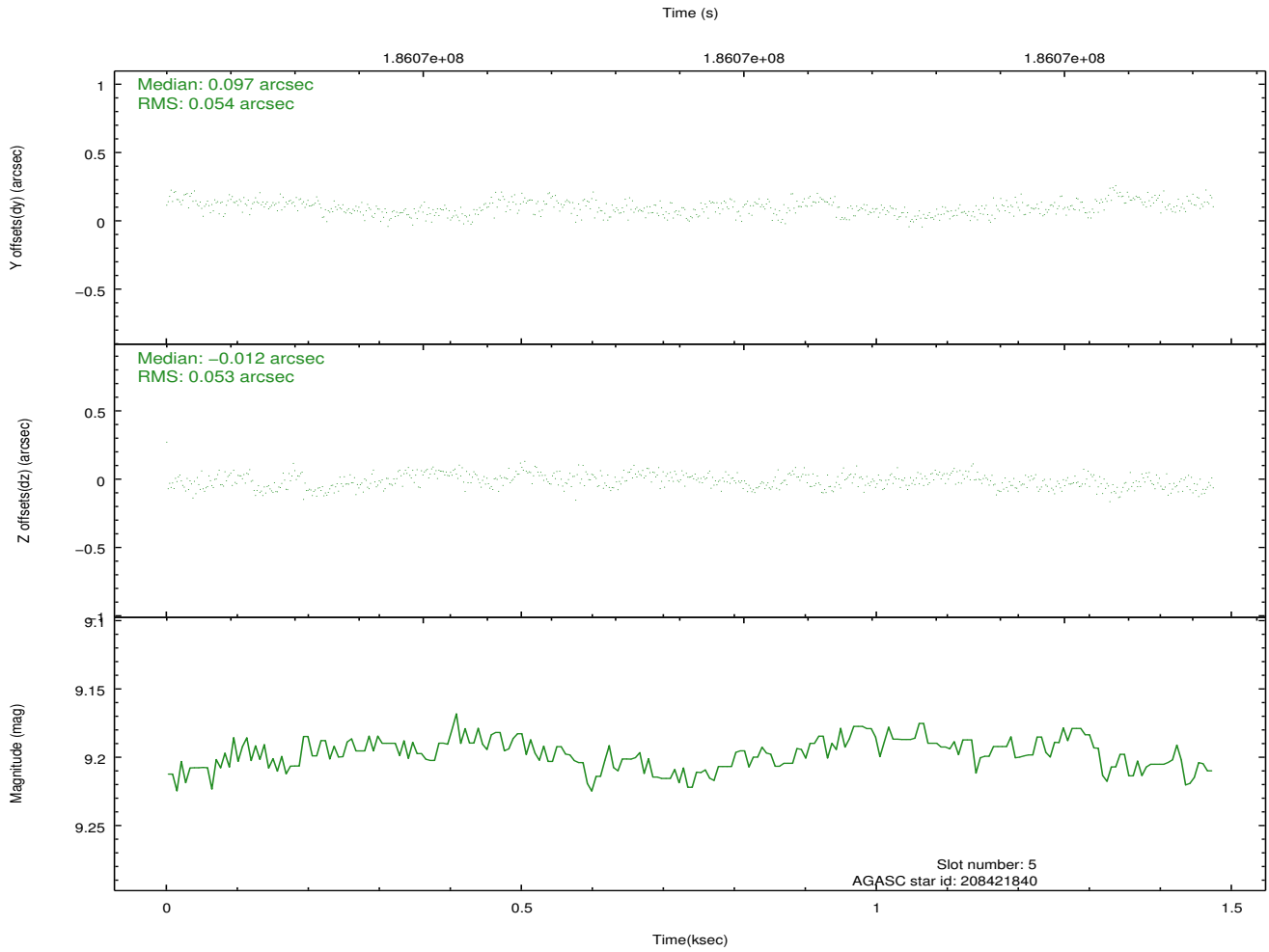
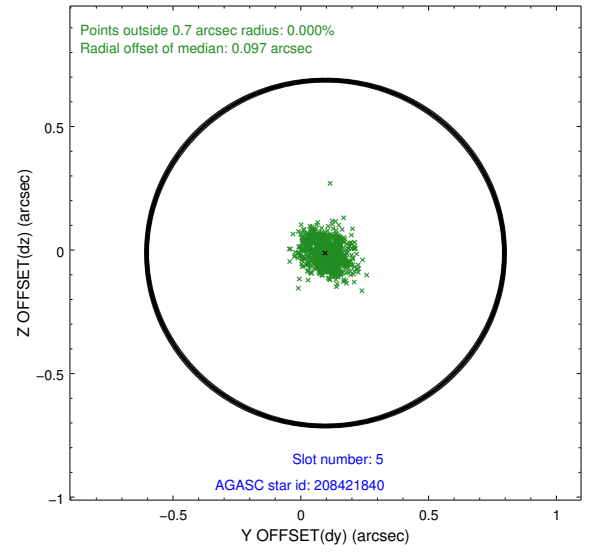
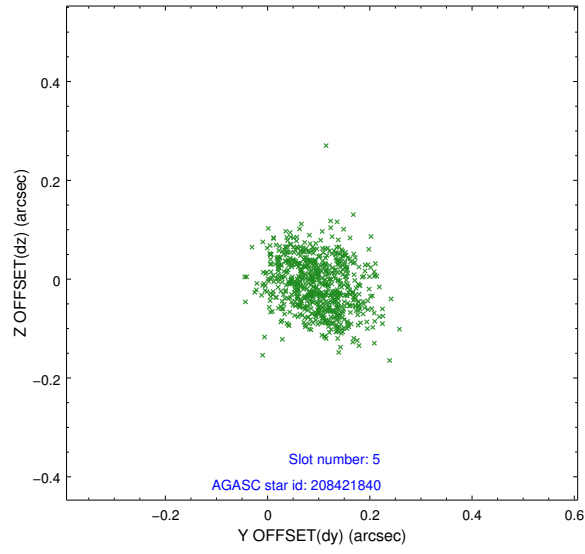
2.4.1 Slot 3



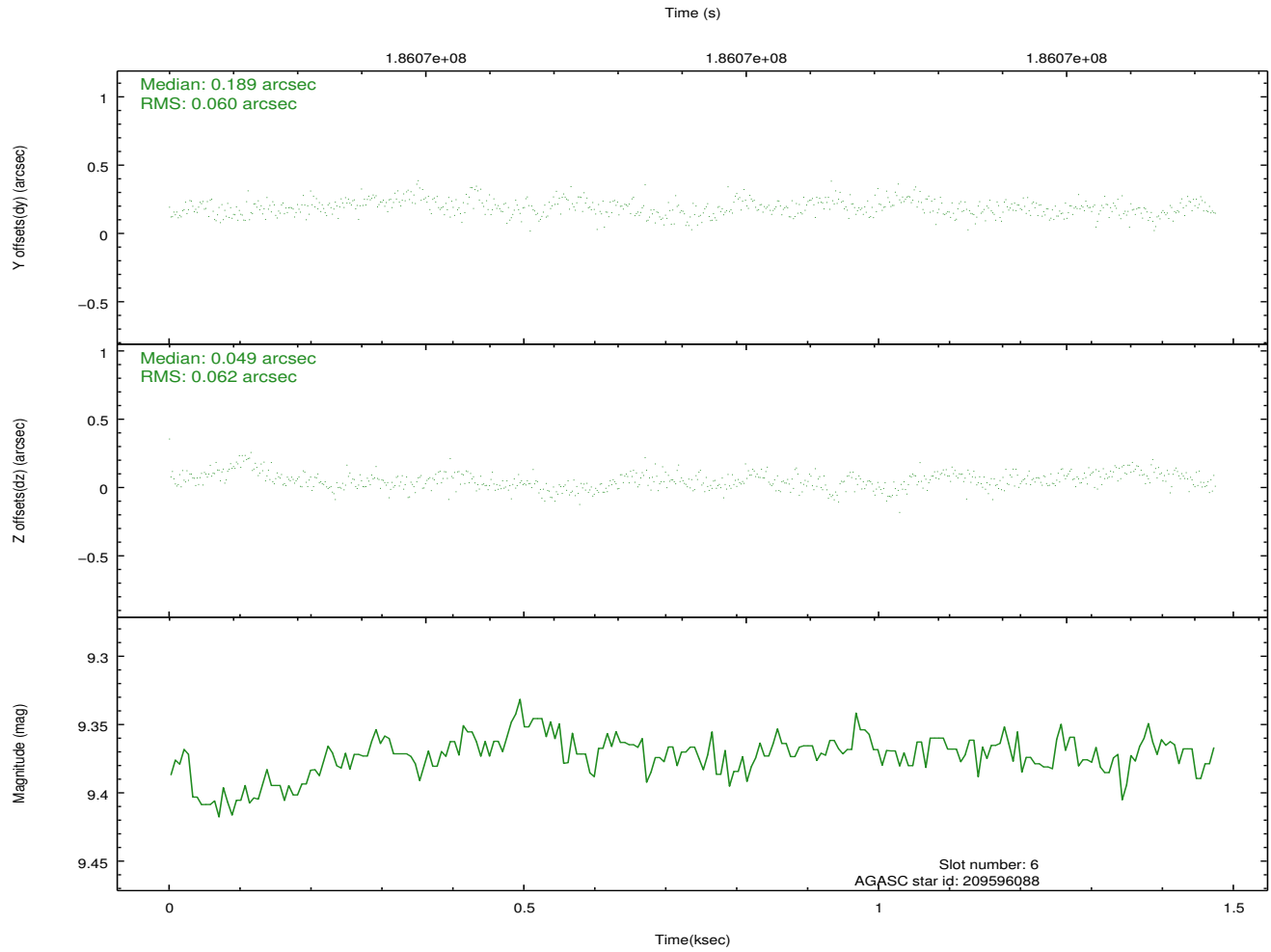
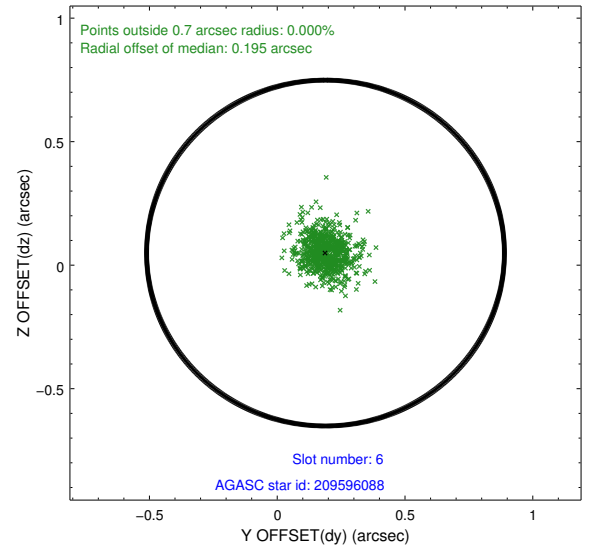
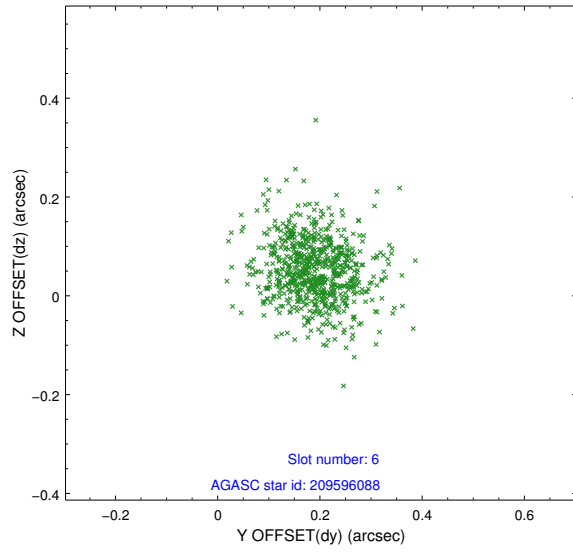
2.4.2 Slot 4



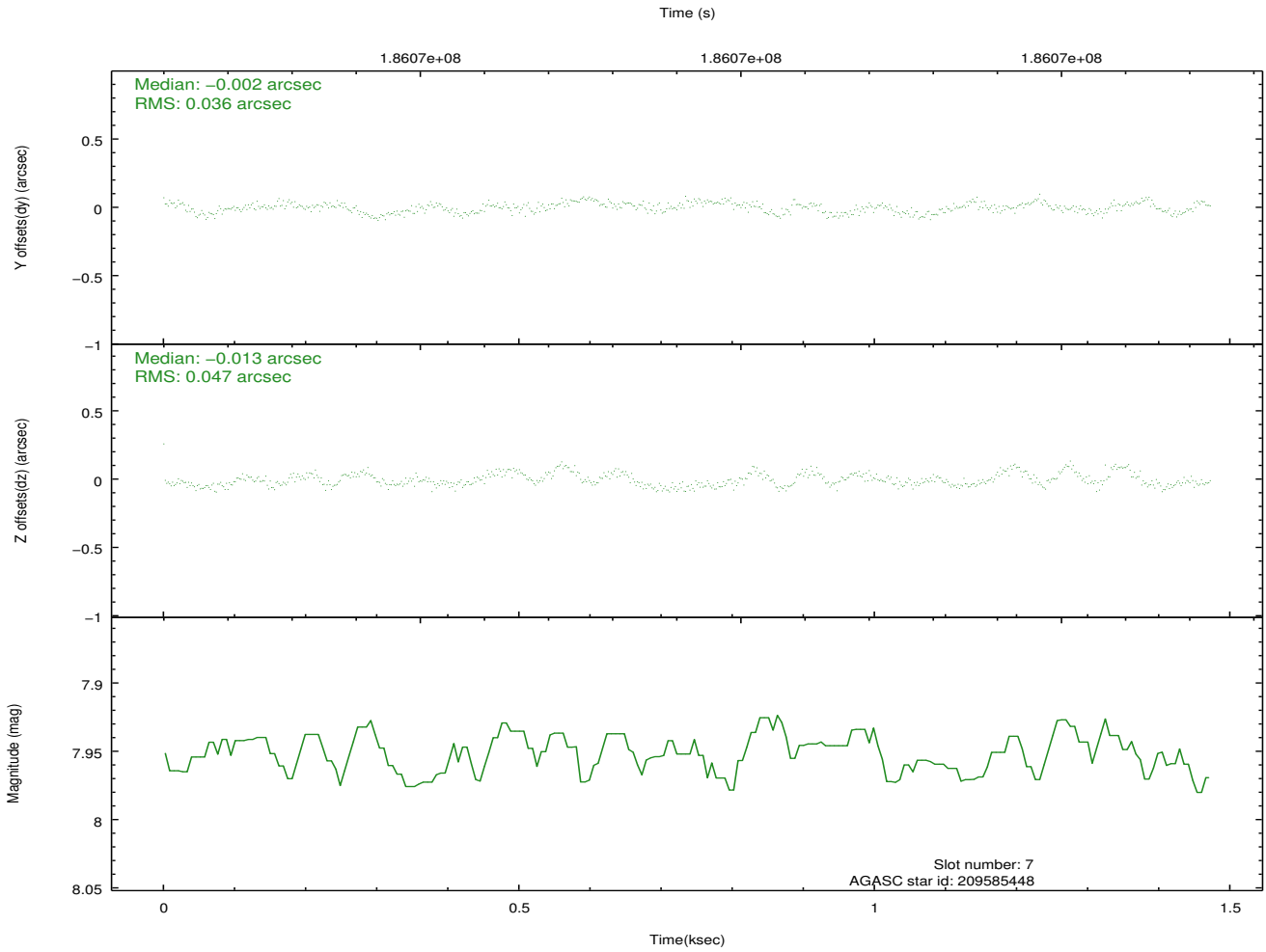
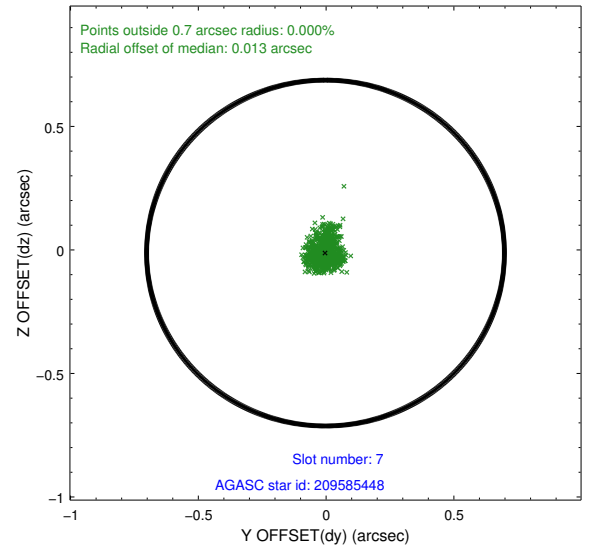
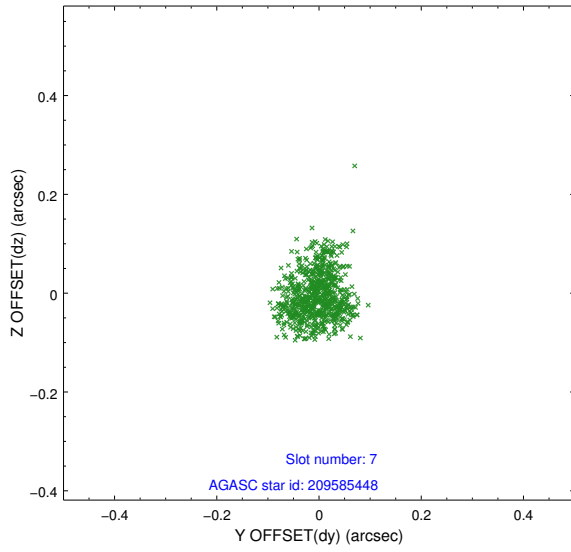
2.4.3 Slot 5



2.4.4 Slot 6

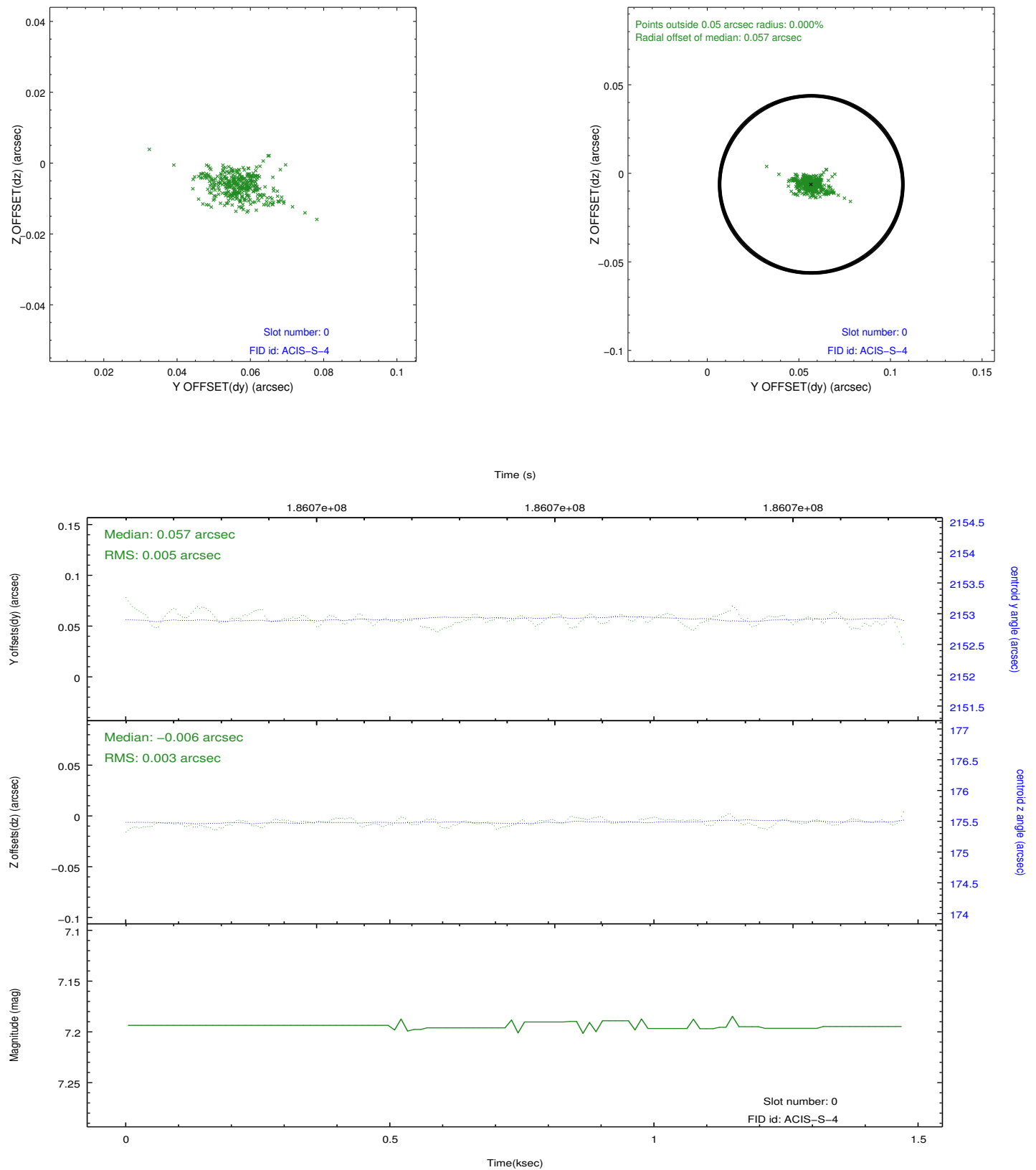


2.4.5 Slot 7

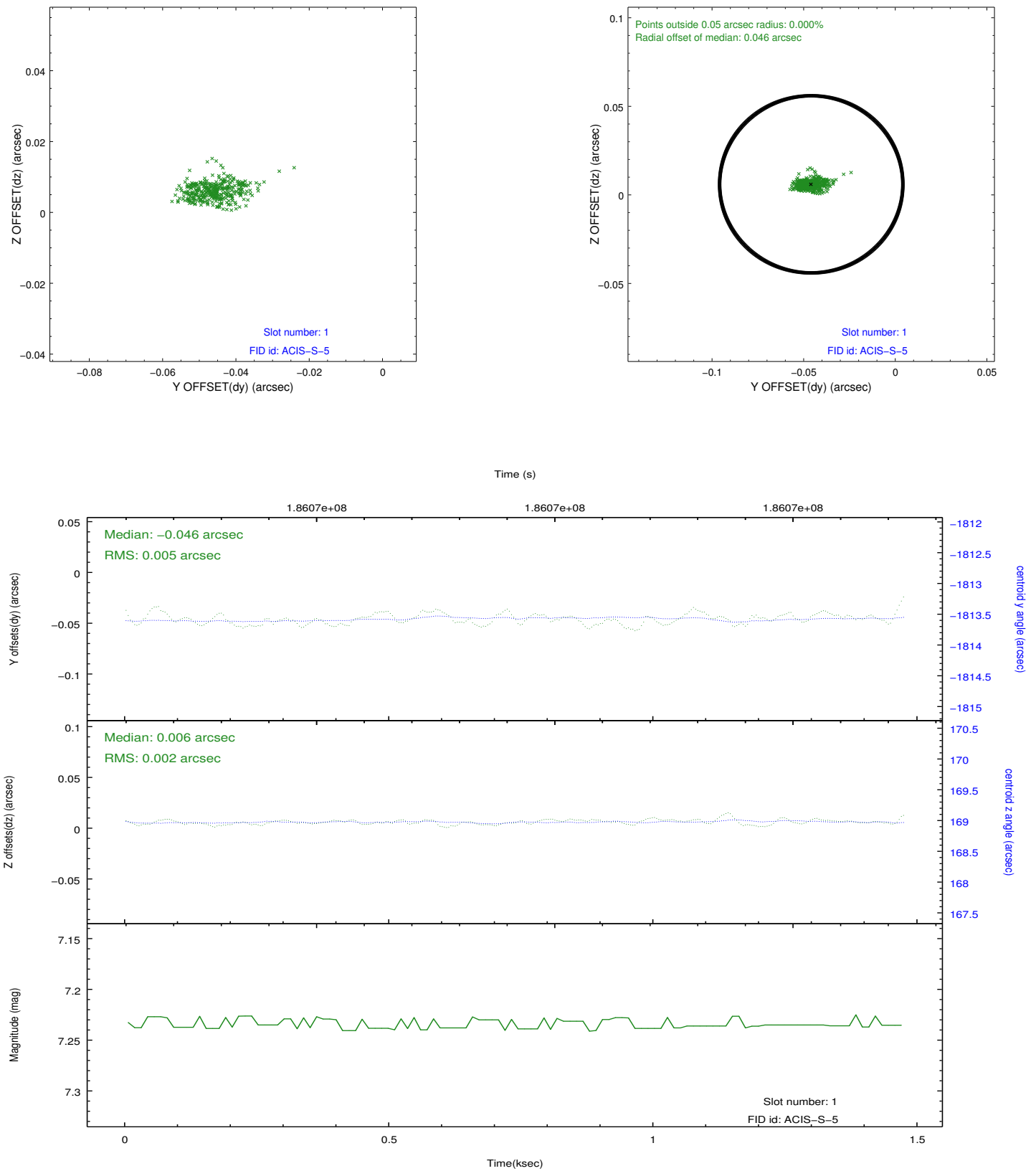


2.5 FID Slots

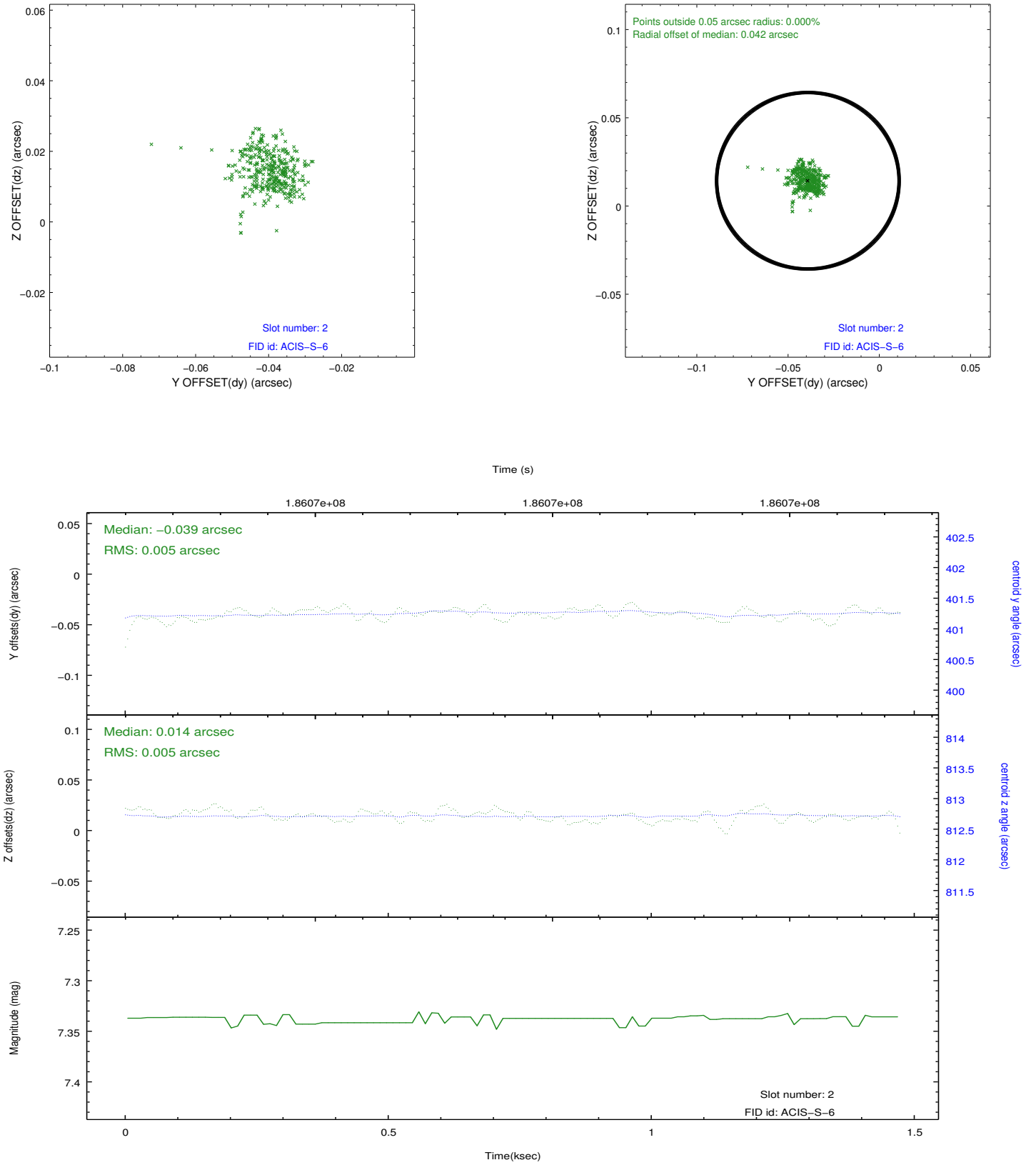
2.5.1 Slot 0



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.