

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5269 - L2 Version 3
Chandra X-Ray Center

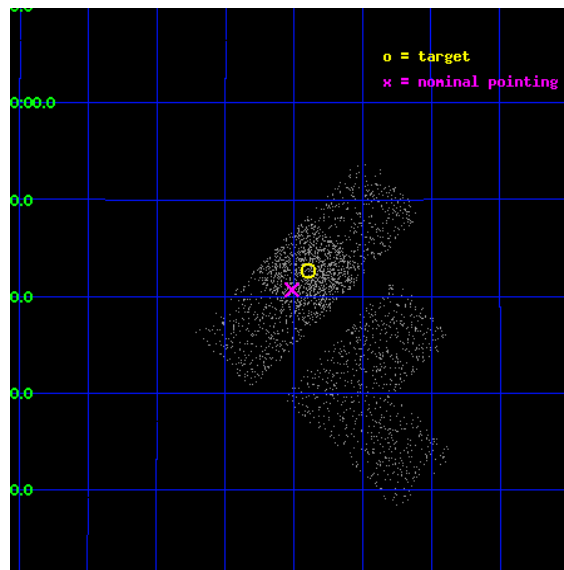
L2 Processing Date : Nov 8 2012

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1 Front

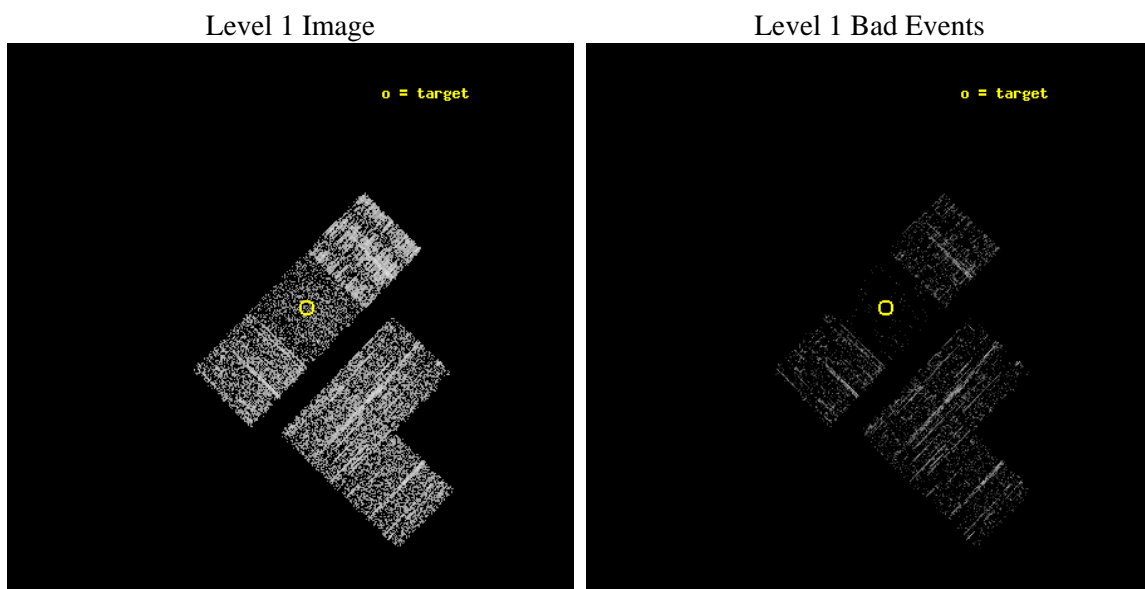
seq_num	100051	Sequence number
obs_id	5269	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.59897	Observer's specified target RA [deg]
dec_targ	16.71015	Observer's specified target Dec [deg]
ra_nom	287.6288706975	Nominal RA [deg]
dec_nom	16.678219050172	Nominal Dec [deg]
roll_nom	314.1480280616	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	2894	Number of level 2 events



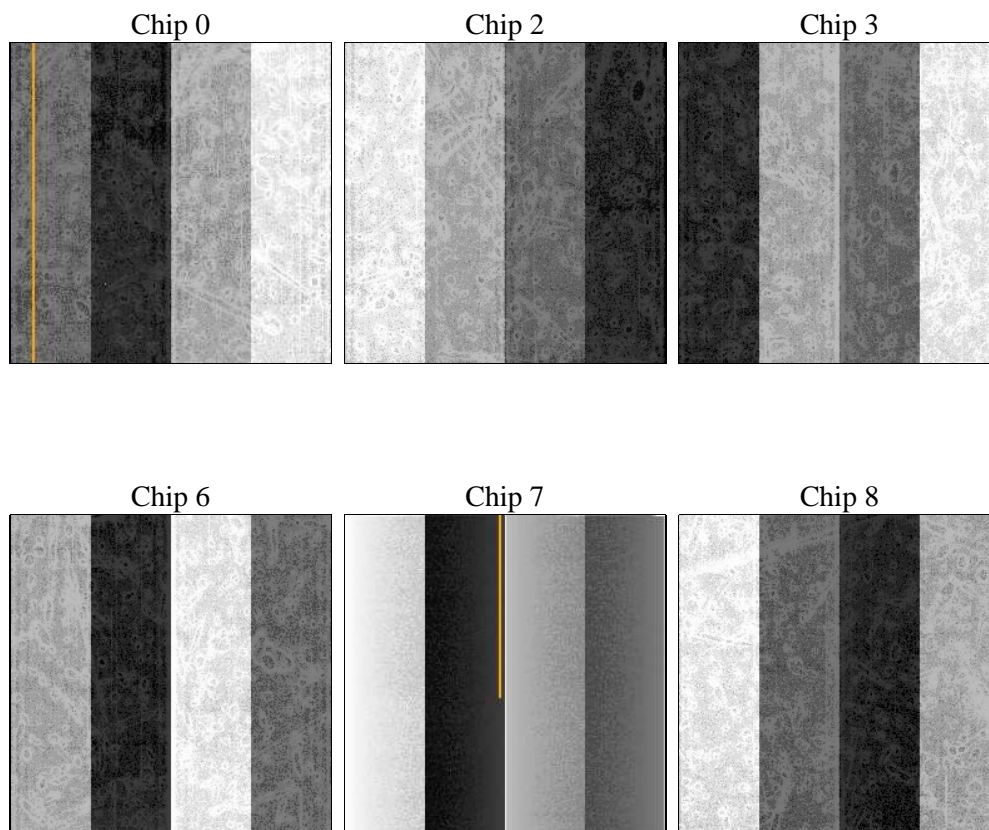
2 OBI

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	2012-11-08T02:28:45	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	38284	Number of level 1 events

2.1.4 Events

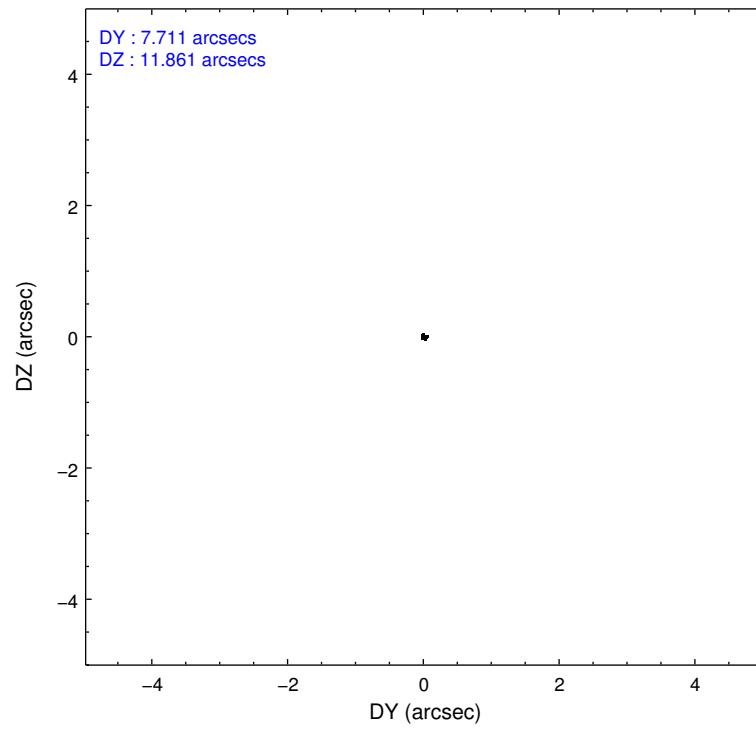
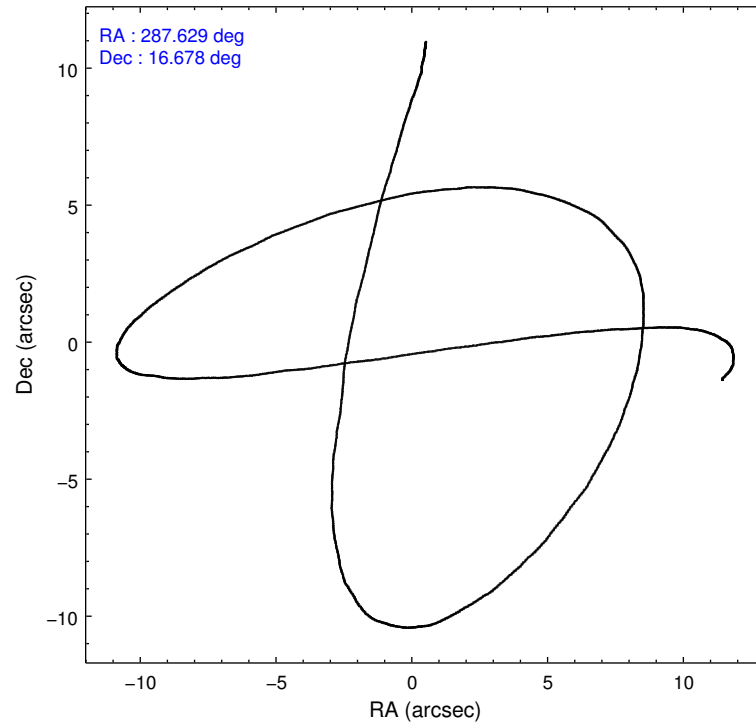
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5306	7473	6397	6226	2394	10488
rejected events	4873	6983	5987	5727	997	6125
rejected %	91%	93%	93%	91%	41%	58%

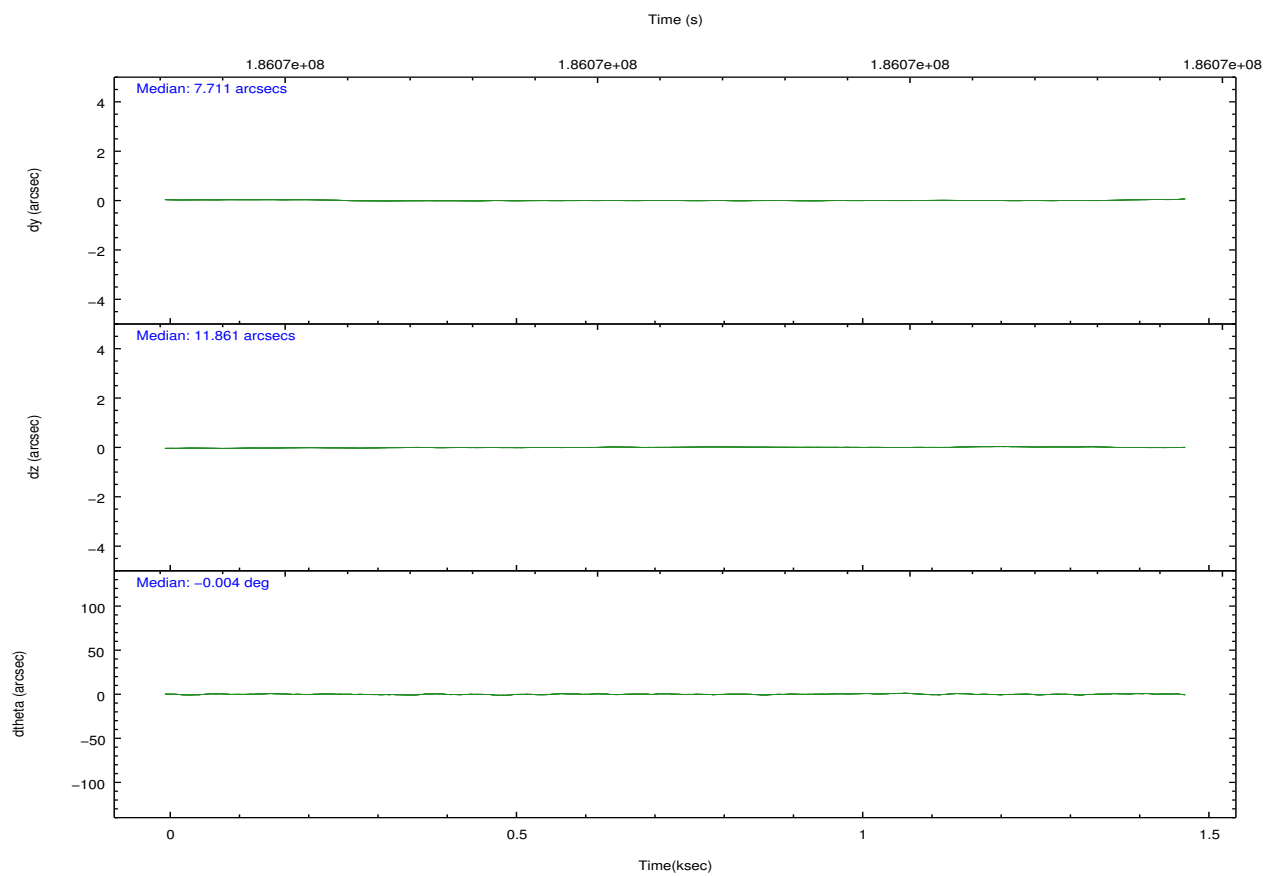
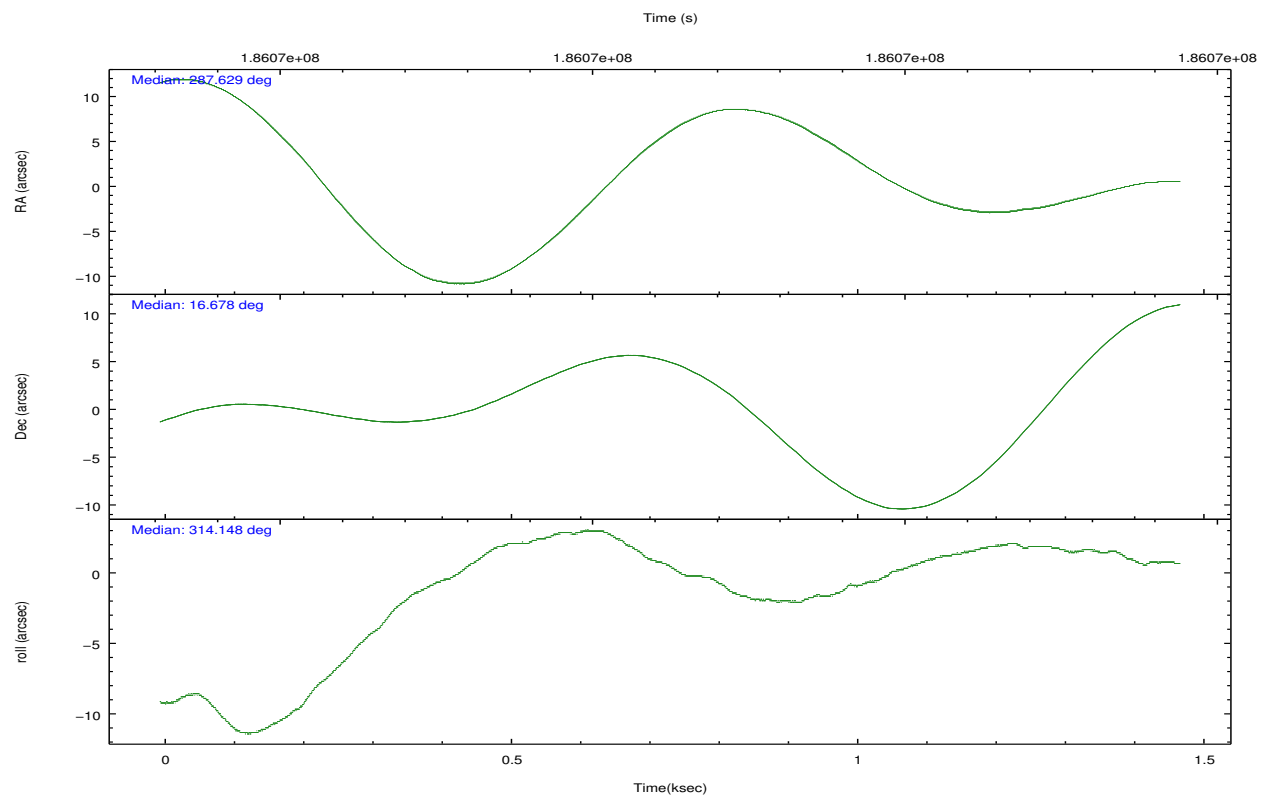
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	245	282	241	315	400	1477
	4%	3%	3%	5%	16%	14%
grade 1 events	2	3	2	4	11	9
	0%	0%	0%	0%	0%	0%
grade 2 events	130	172	114	144	493	797
	2%	2%	1%	2%	20%	7%
grade 3 events	50	44	58	54	191	874
	0%	0%	0%	0%	7%	8%
grade 4 events	57	71	39	55	165	796
	1%	0%	0%	0%	6%	7%
grade 5 events	55	40	49	51	156	163
	1%	0%	0%	0%	6%	1%
grade 6 events	51	58	47	52	465	1157
	0%	0%	0%	0%	19%	11%
grade 7 events	4716	6803	5847	5551	513	5215
	88%	91%	91%	89%	21%	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	287.601341	287.628870697501	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.685241	16.67821905017249	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999312	314.1480280615967	[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)	186066064.184000	186065687.33243			
Observation start date	2003-11-24T13:00:00	2003-11-24T12:54:47			
[s] Observation end time (MET)	186067354.184000	186067487.74501			
Observation end date	2003-11-24T13:21:30	2003-11-24T13:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



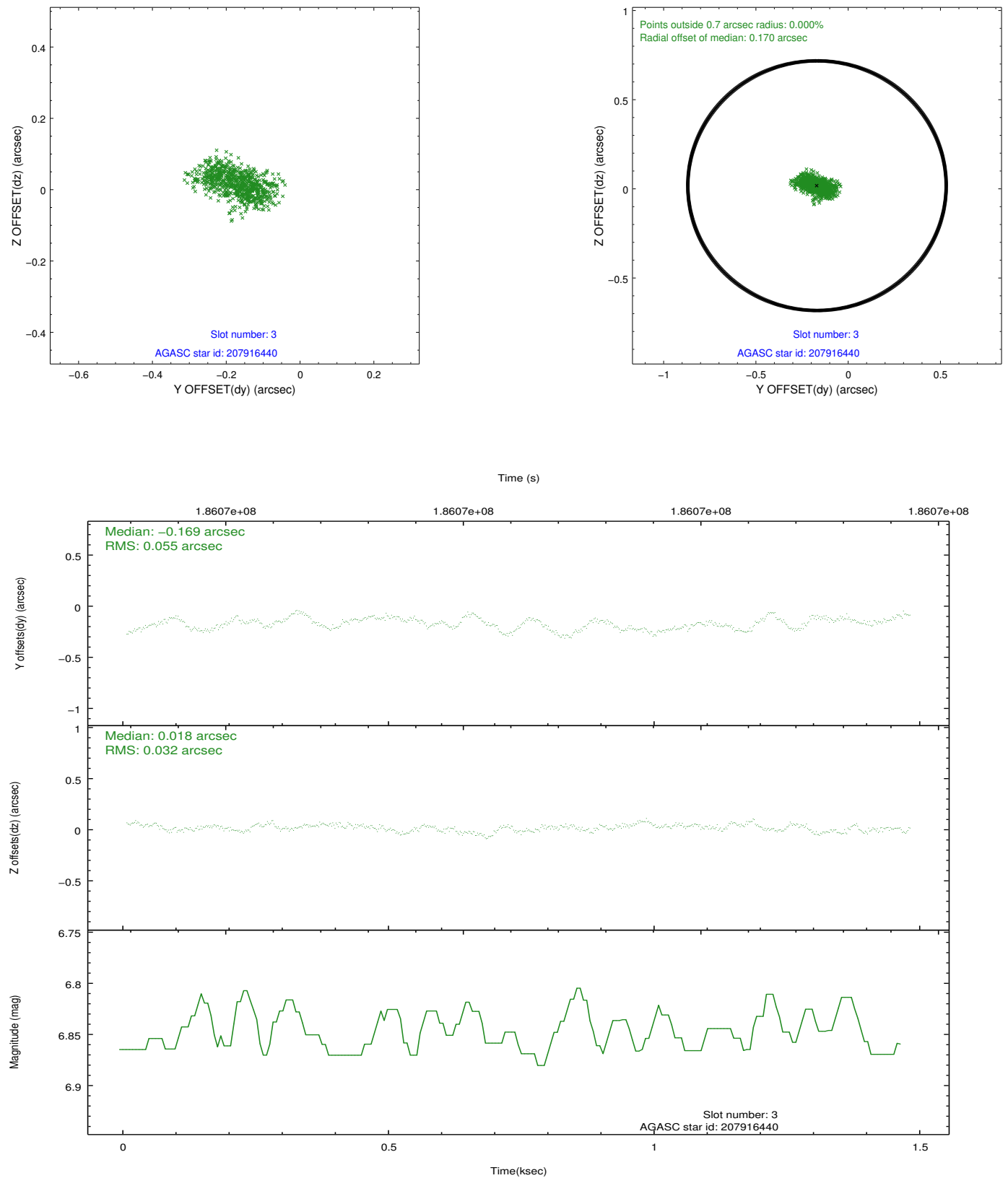


Slot Statistics

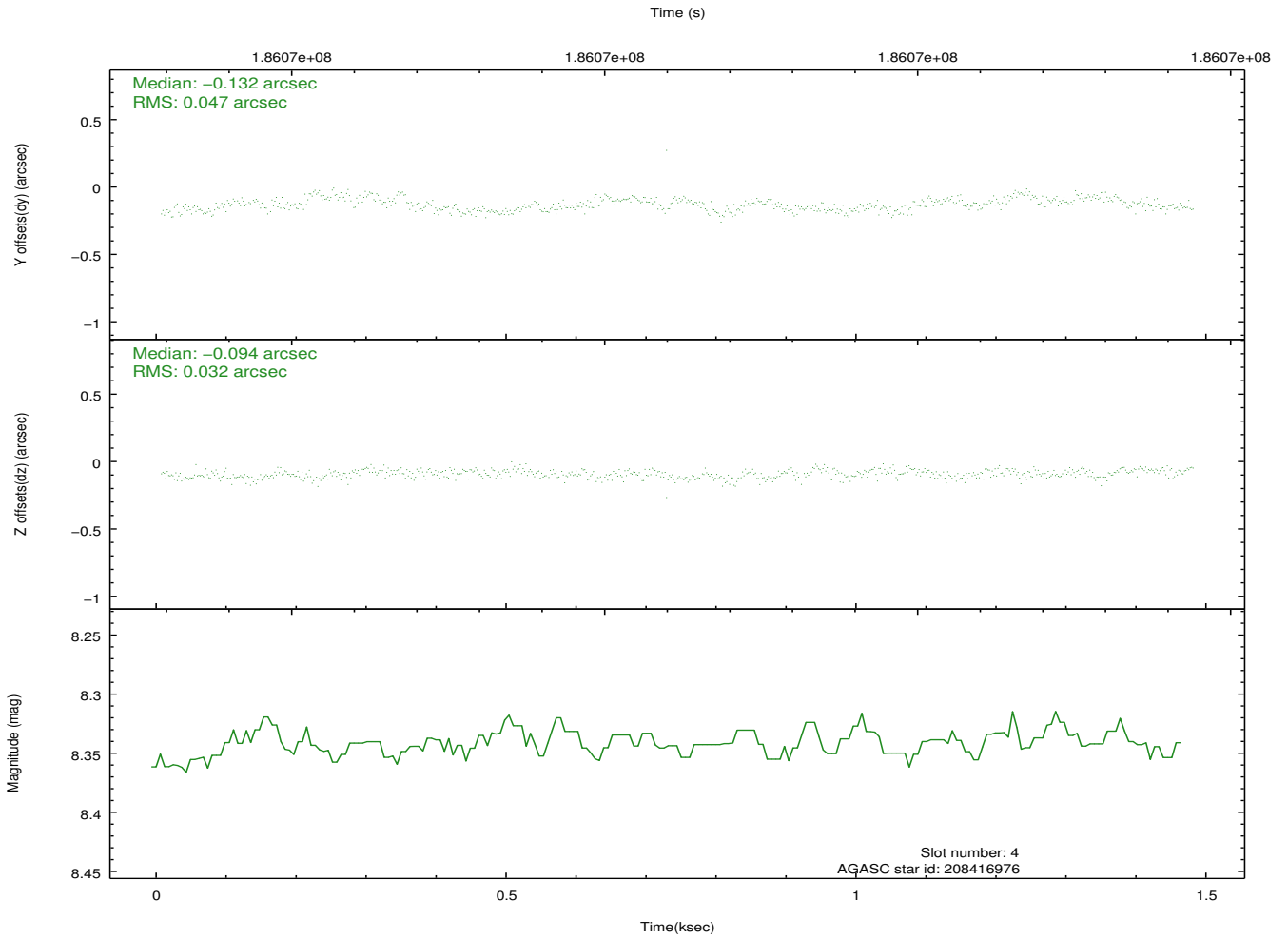
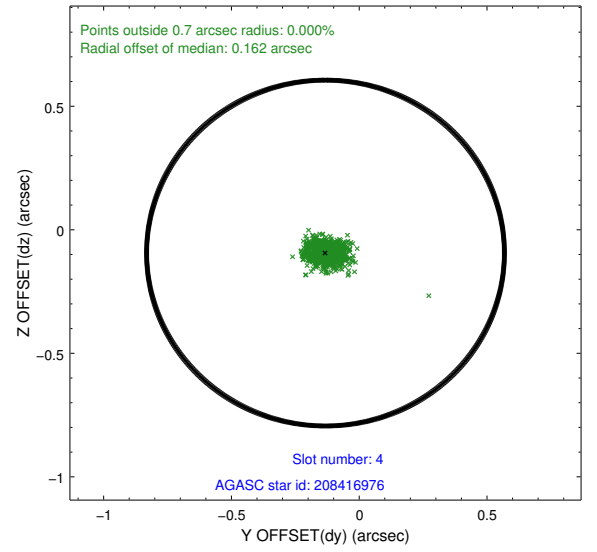
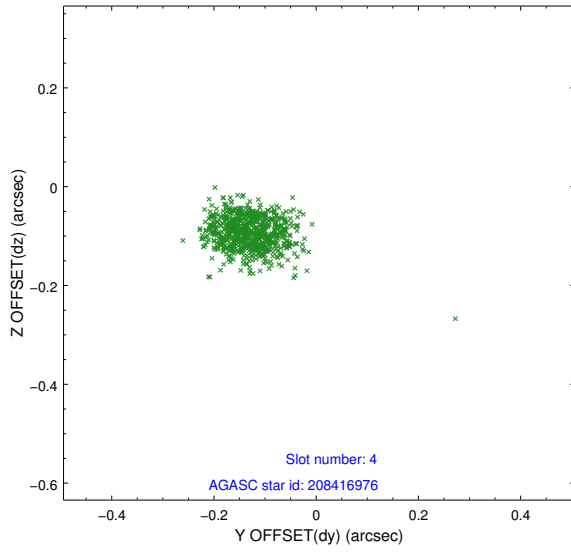
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	360	-0.019	-0.007	0.006	0.010	0.000000	0.000000	-760.49	-1733.17
1	FID	ACIS-S-4	7.20	360	0.042	-0.004	0.006	0.010	0.000000	0.000000	2150.79	170.68
2	FID	ACIS-S-6	7.34	360	-0.051	0.018	0.007	0.011	0.000000	0.000000	407.21	813.20
3	GUIDE	207916440	6.85	720	-0.169	0.018	0.070	0.109	287.167522	16.851310	-1469.26	-659.35
4	GUIDE	208416976	8.34	720	-0.132	-0.094	0.057	0.093	287.326965	17.073967	-1664.95	291.84
5	GUIDE	208421840	9.19	720	0.080	0.003	0.130	0.188	287.570311	16.918850	-681.21	507.52
6	GUIDE	209596088	9.38	720	0.198	0.030	0.091	0.147	288.150718	16.305149	2300.47	417.30
7	GUIDE	209585448	7.95	719	0.017	0.044	0.054	0.090	288.114724	16.850123	804.43	1686.57

2.4 Star Slots

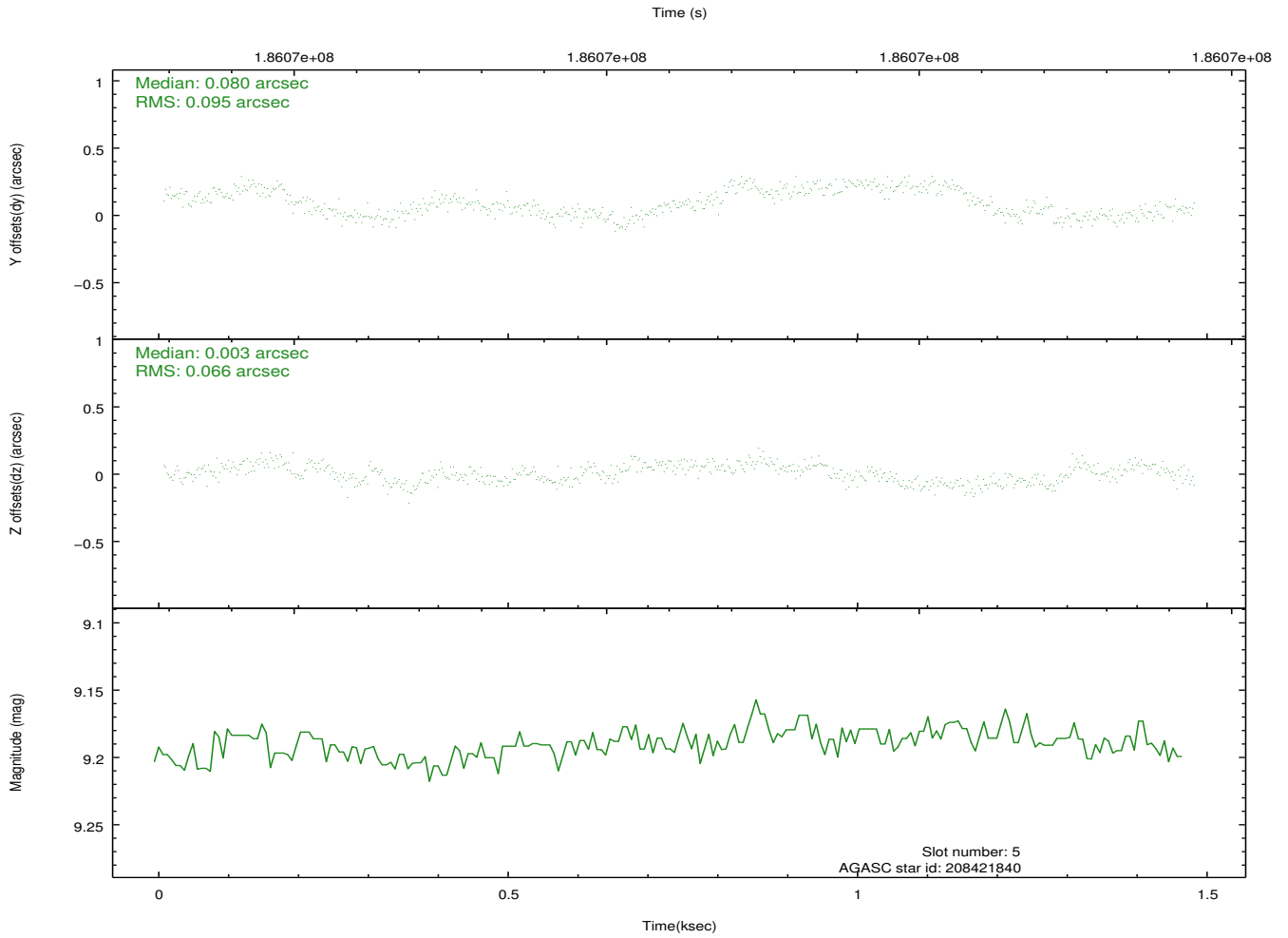
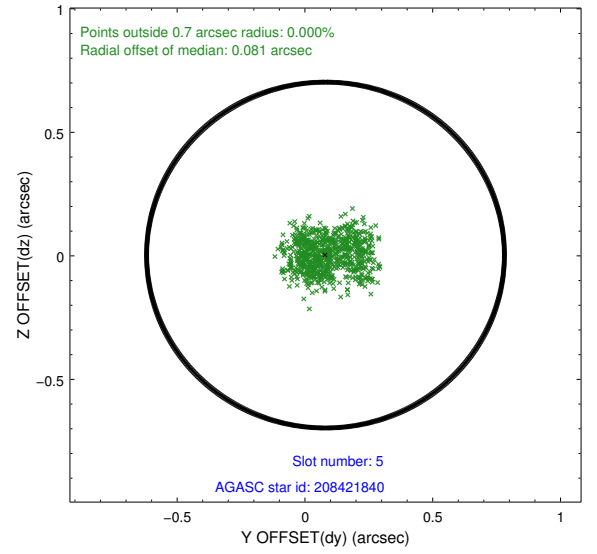
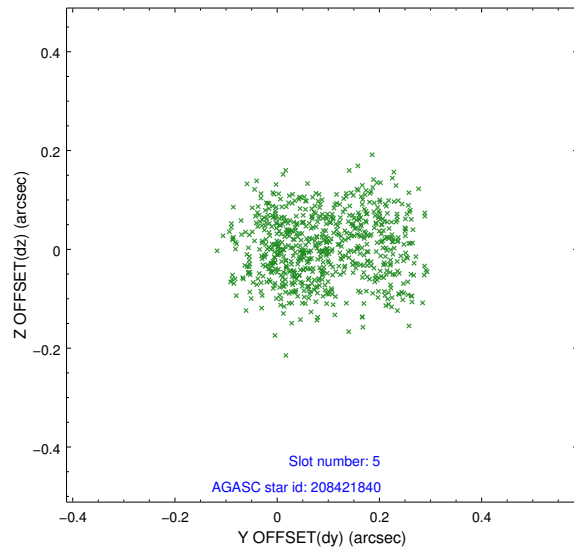
2.4.1 Slot 3



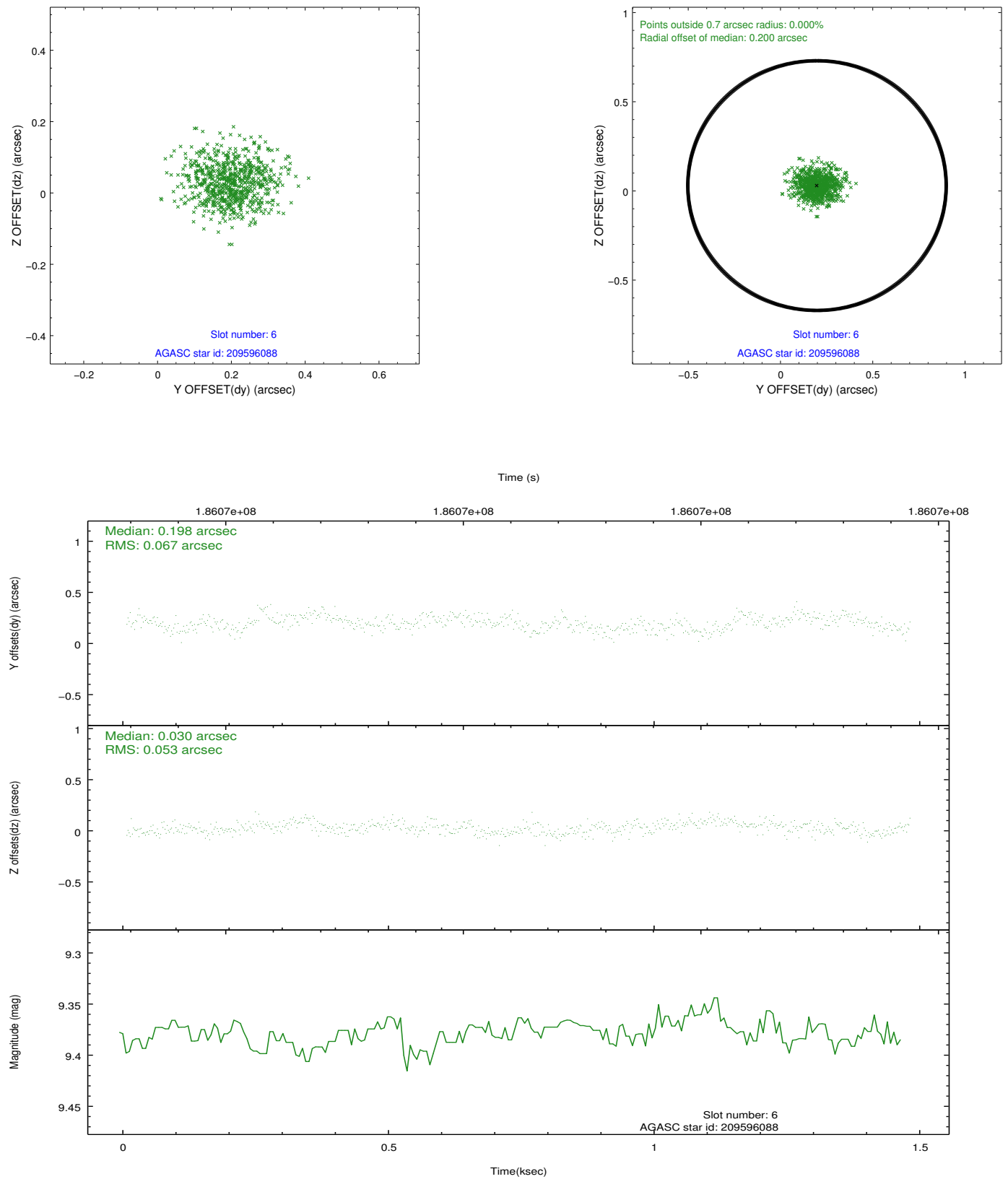
2.4.2 Slot 4



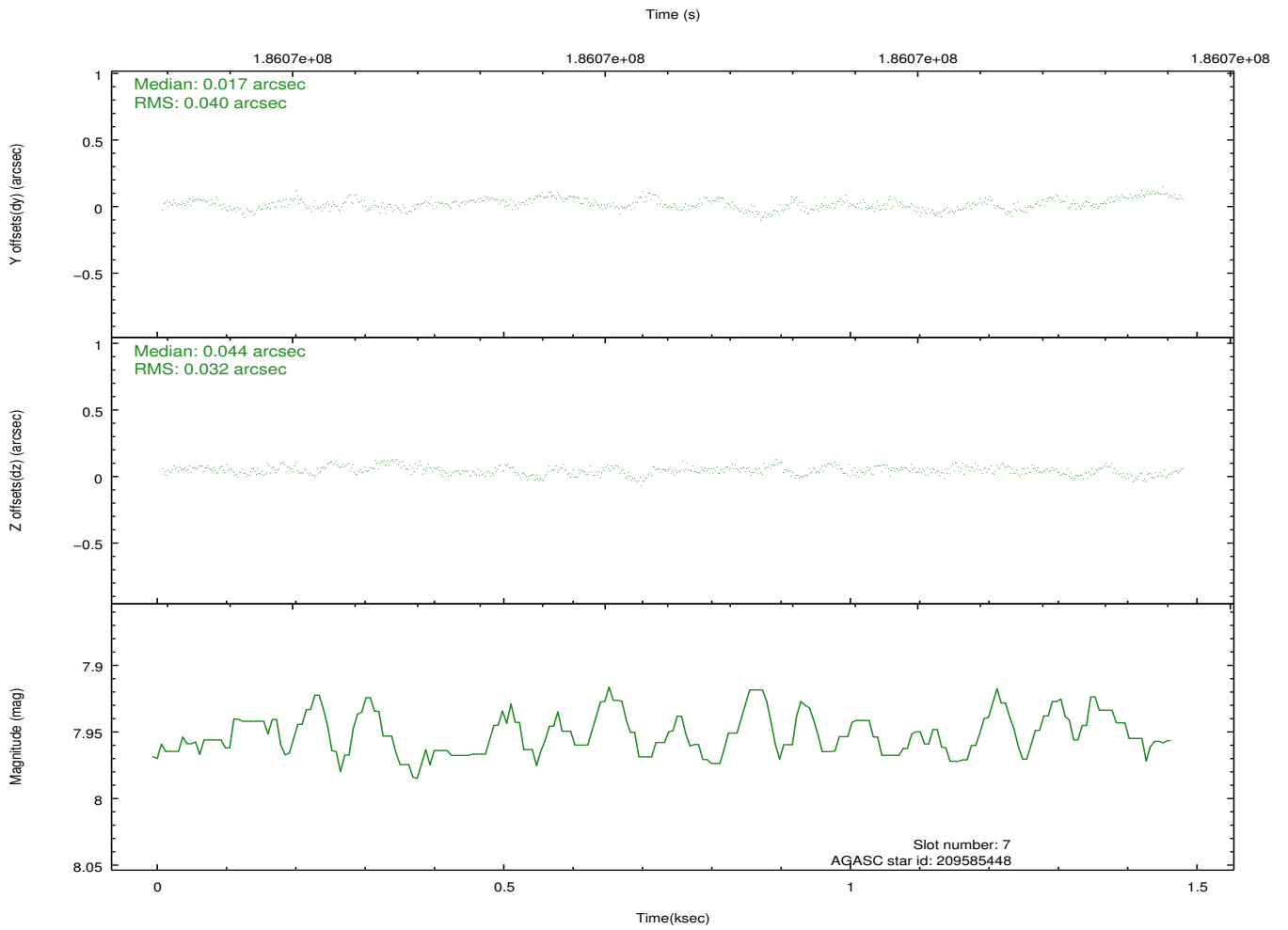
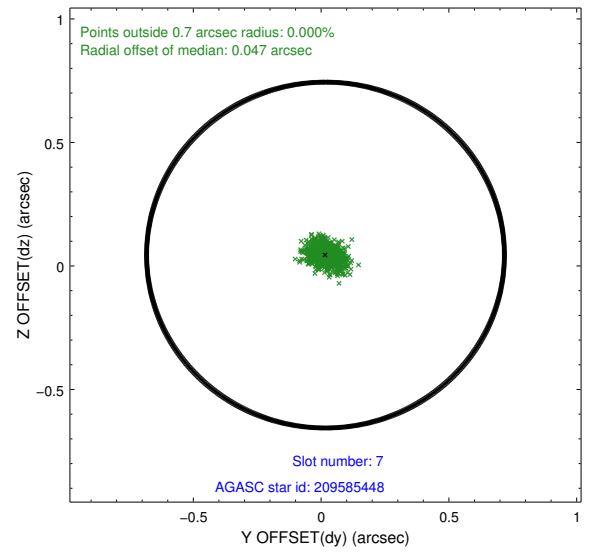
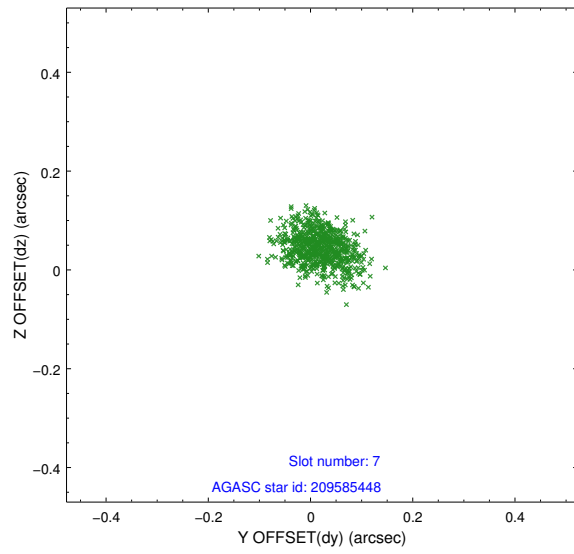
2.4.3 Slot 5



2.4.4 Slot 6

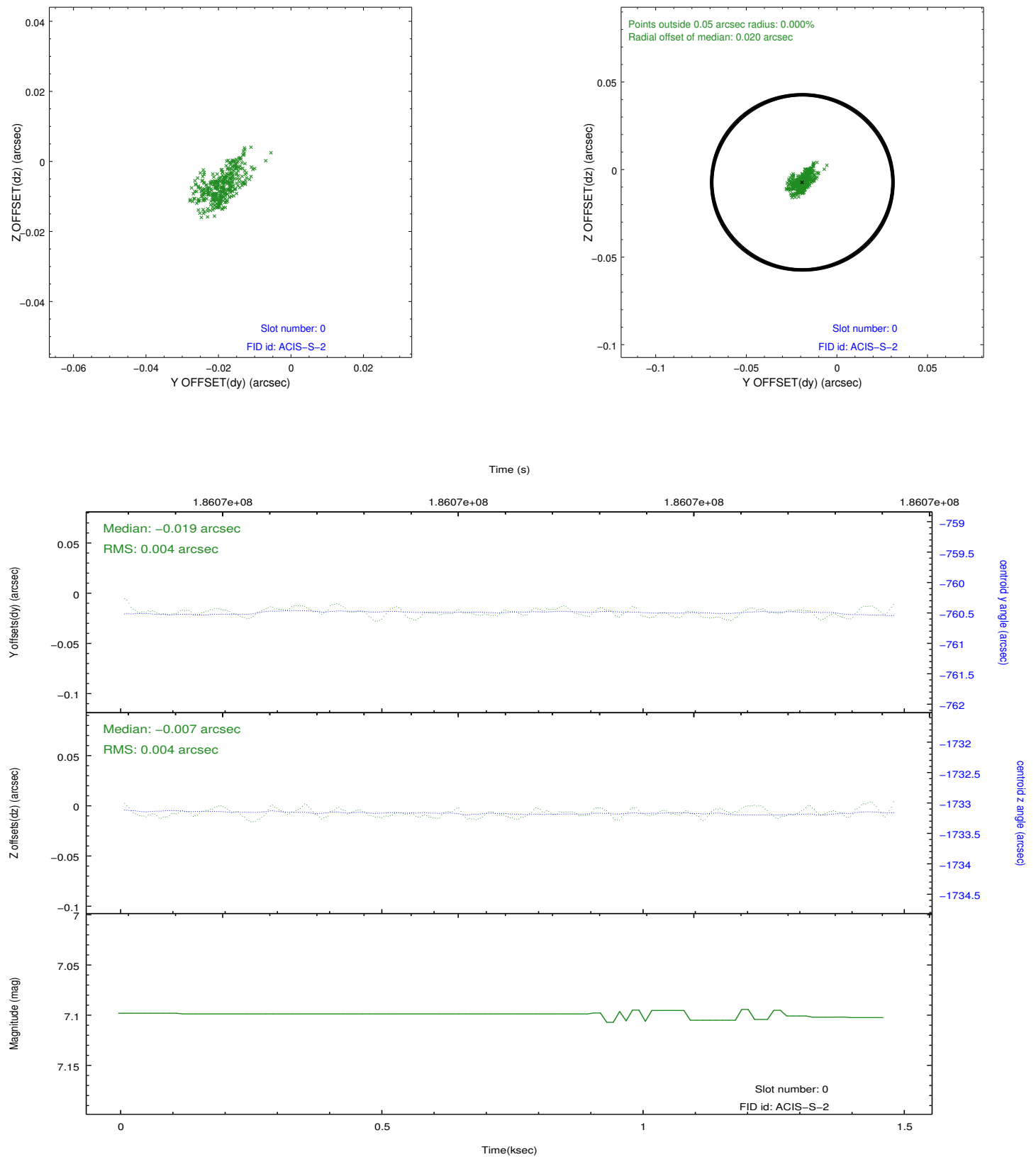


2.4.5 Slot 7

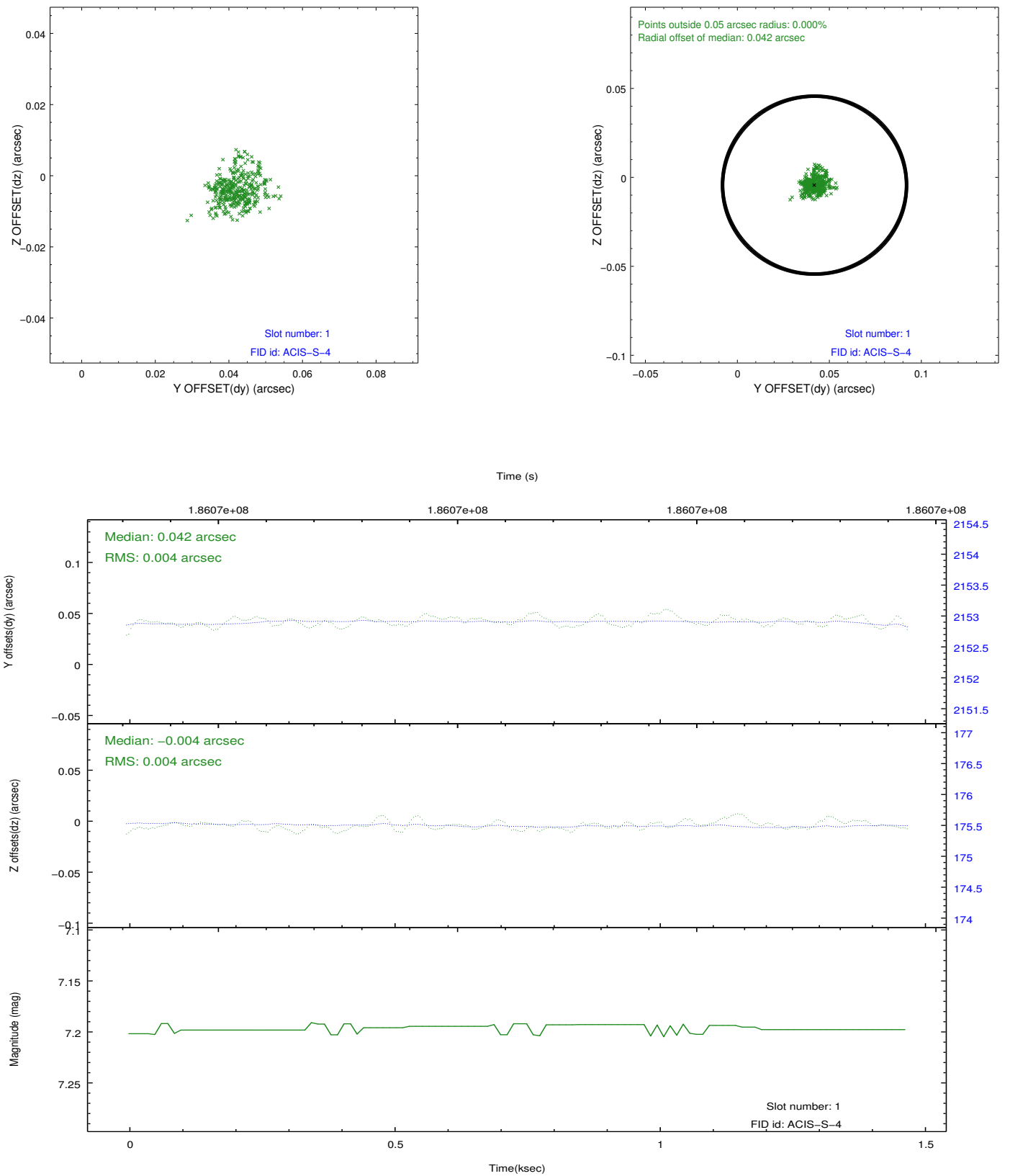


2.5 FID Slots

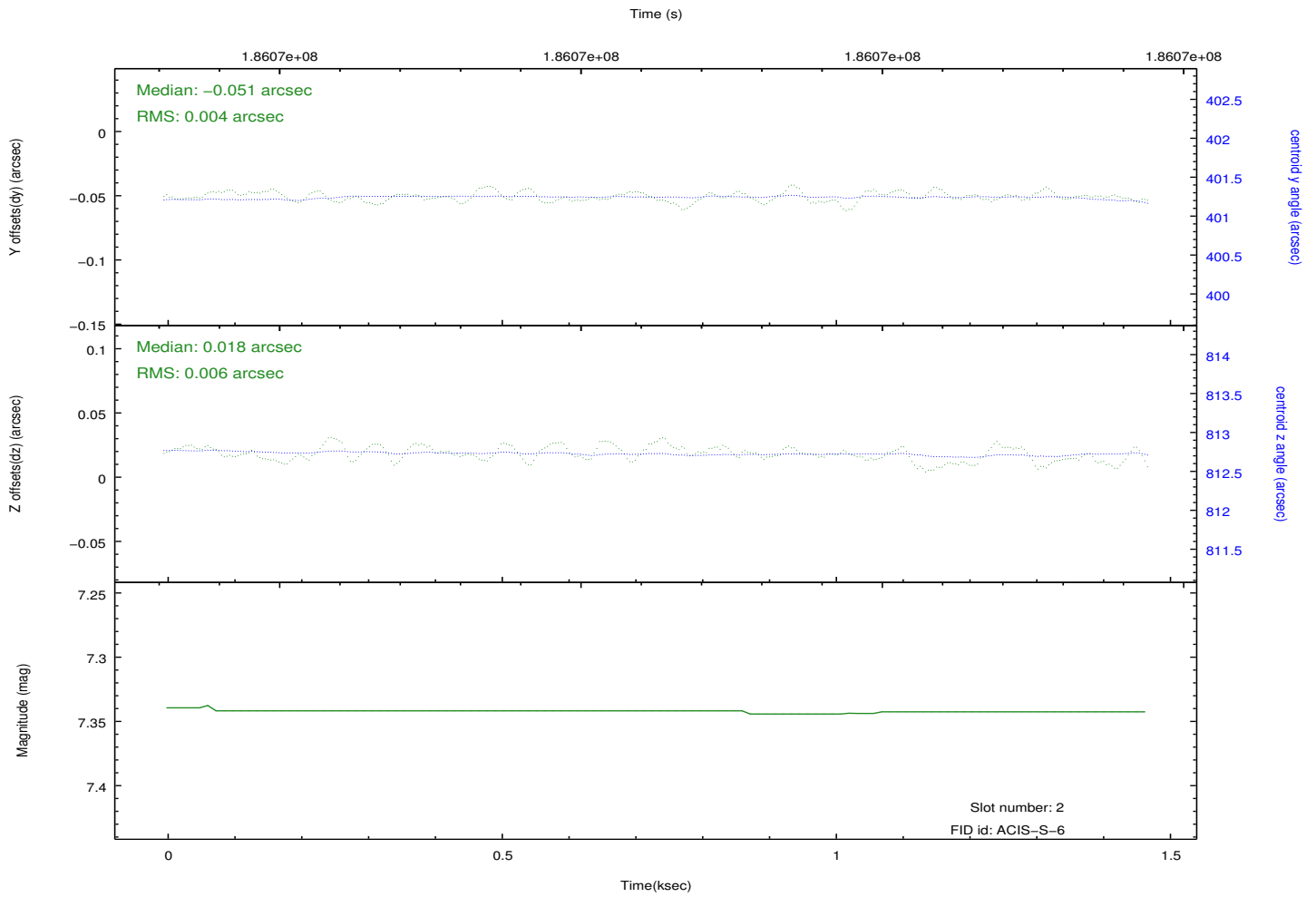
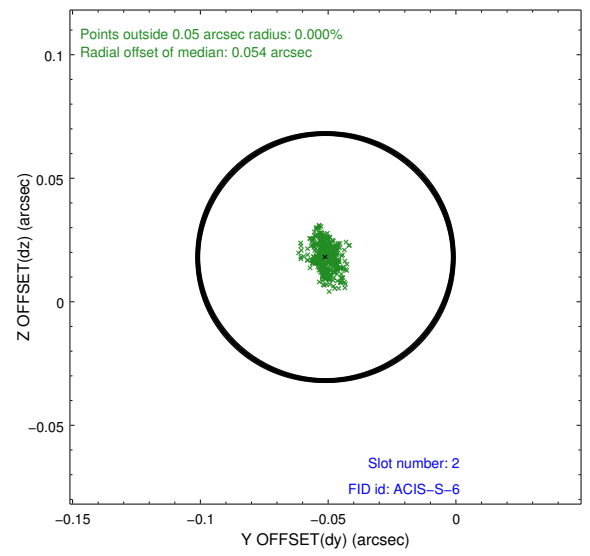
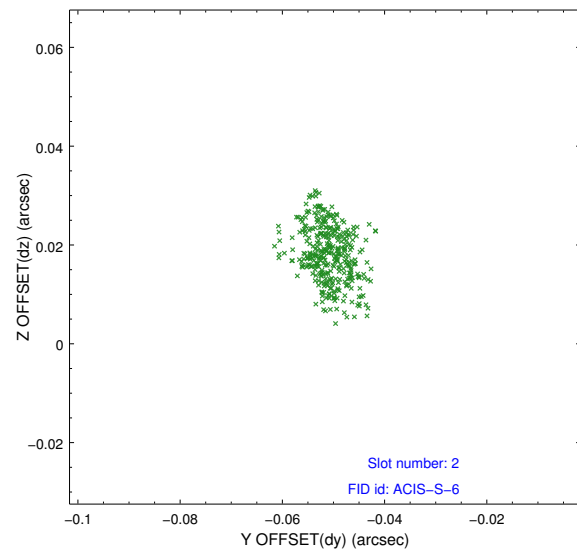
2.5.1 Slot 0



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.