

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5272 - L2 Version 3
Chandra X-Ray Center

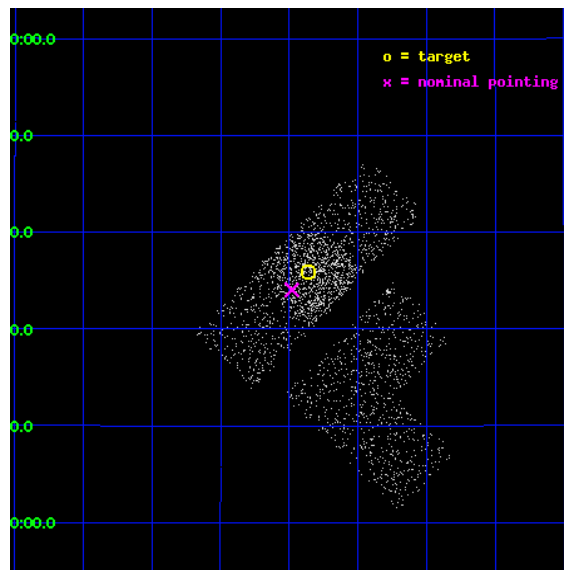
L2 Processing Date : Nov 8 2012

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1 Front

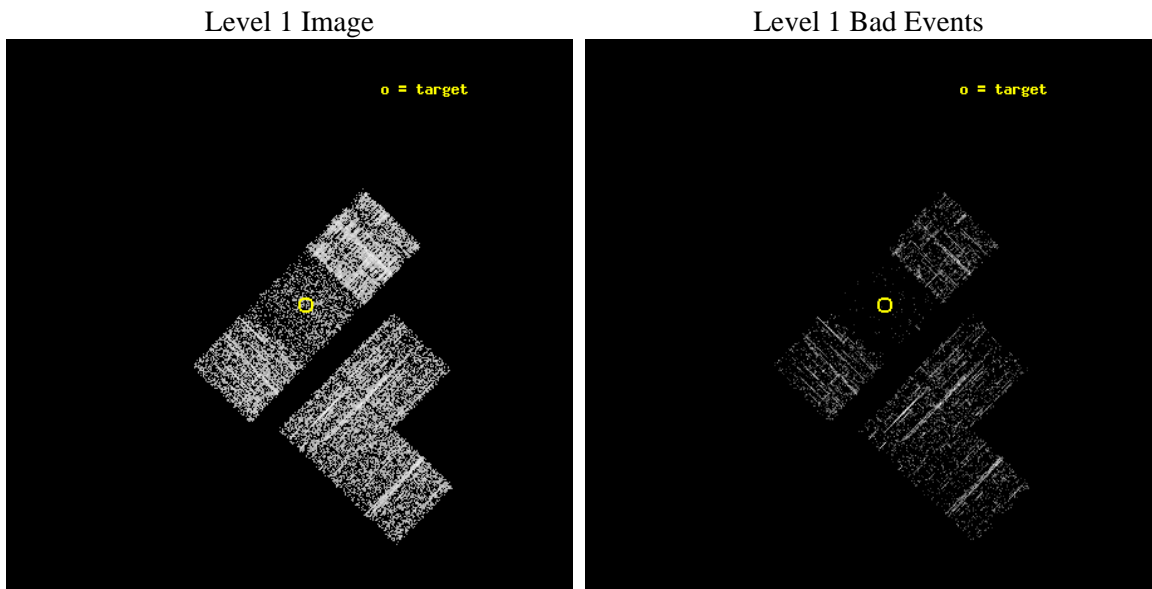
seq_num	100051	Sequence number
obs_id	5272	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.46573	Observer's specified target RA [deg]
dec_targ	16.59937	Observer's specified target Dec [deg]
ra_nom	287.49529415087	Nominal RA [deg]
dec_nom	16.567534755634	Nominal Dec [deg]
roll_nom	314.14821601257	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	1465.5590342283	Sum of GTIs [s]
l2events	2726	Number of level 2 events



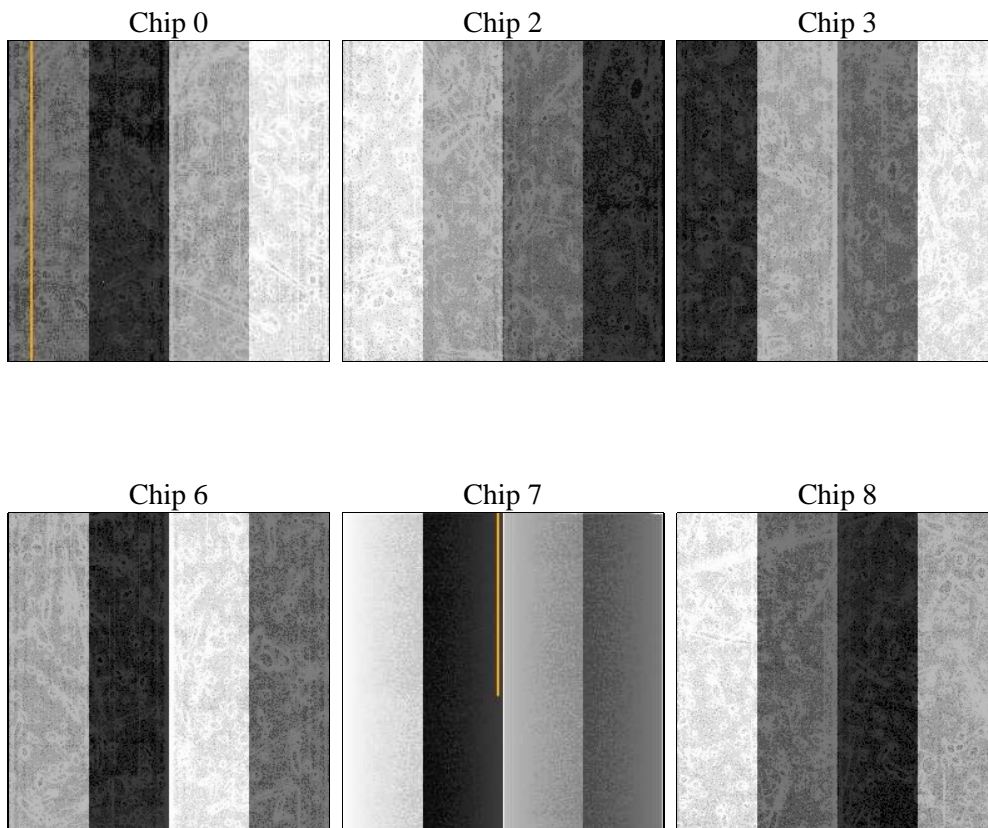
2 OBI

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	2012-11-08T03:03:53	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	1465.5590342283	Sum of GTIs [s]
			l1events	39241	Number of level 1 events

2.1.4 Events

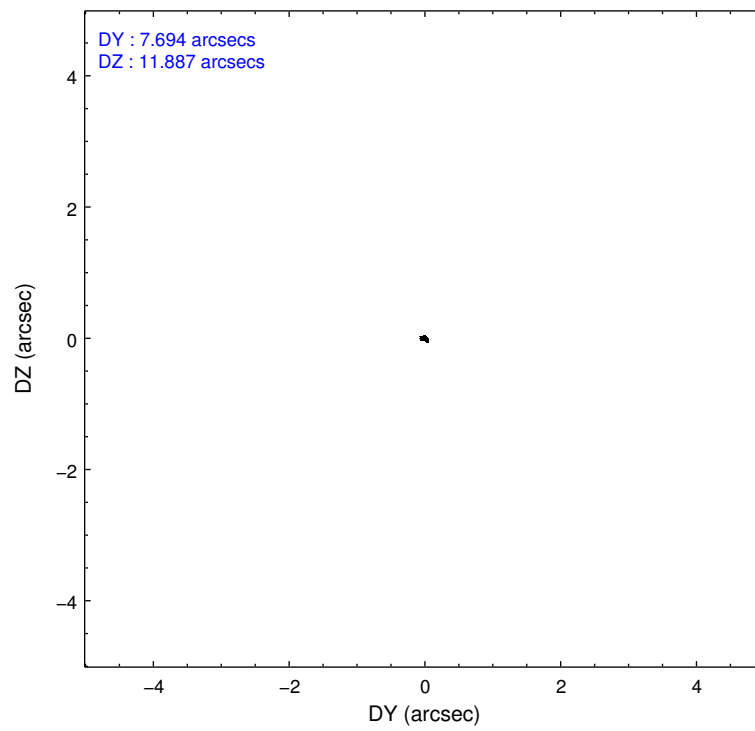
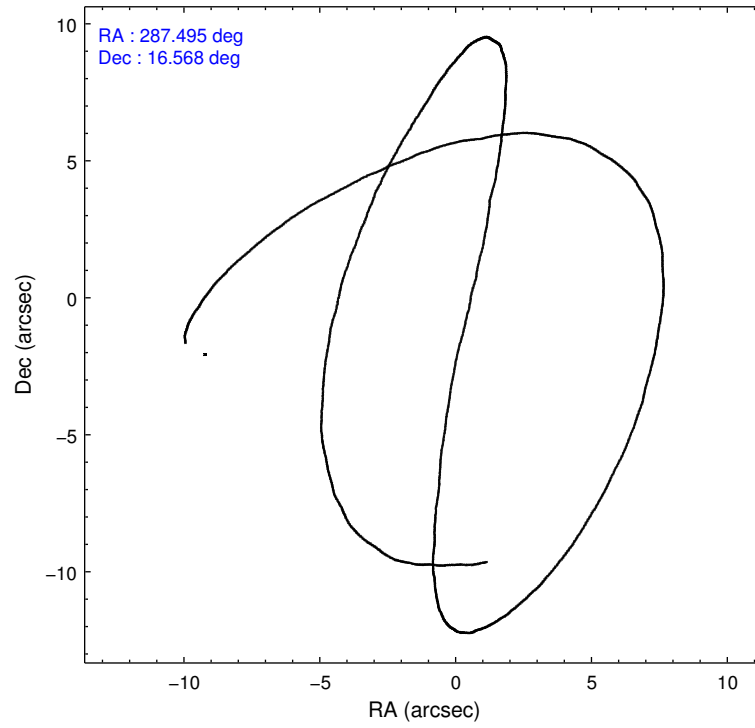
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5643	6877	6256	6709	2116	11640
rejected events	5198	6375	5894	6237	878	7217
rejected %	92%	92%	94%	92%	41%	62%

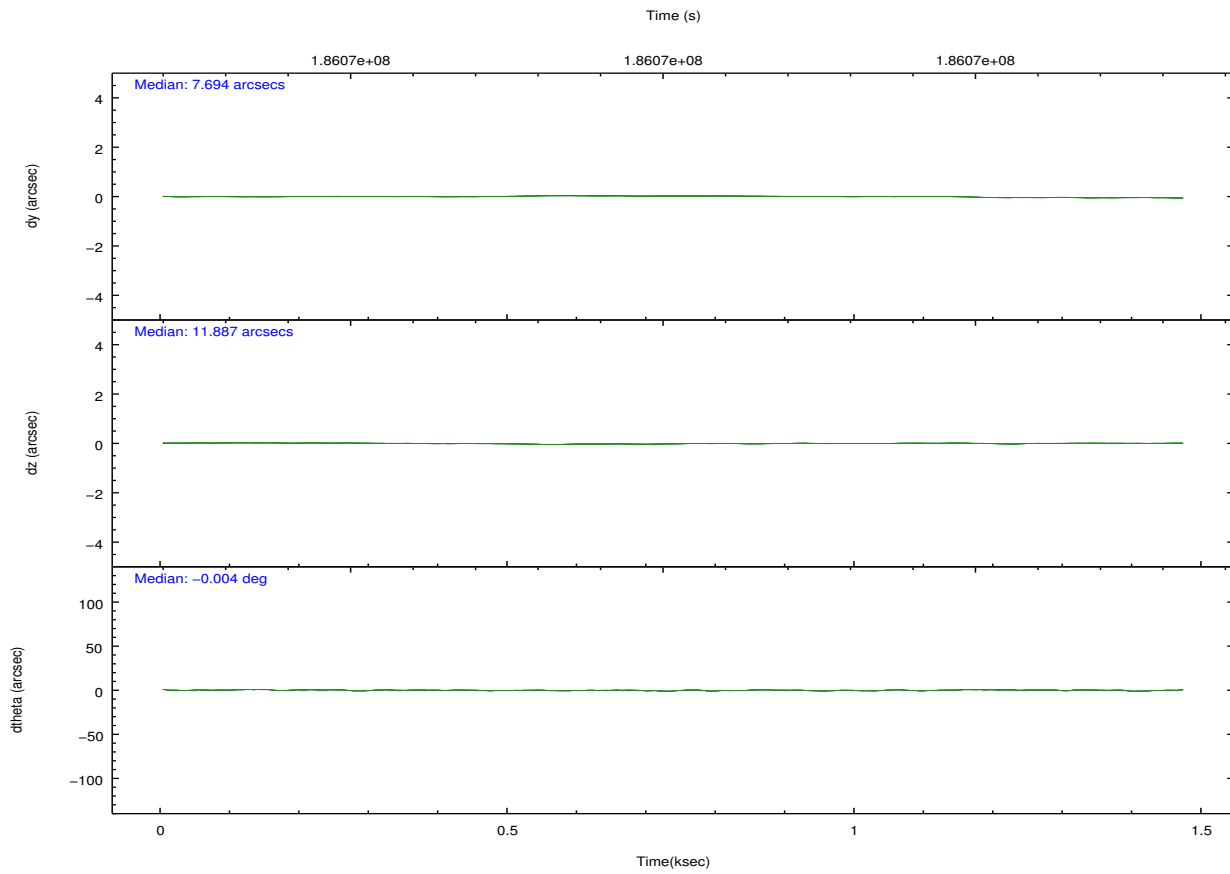
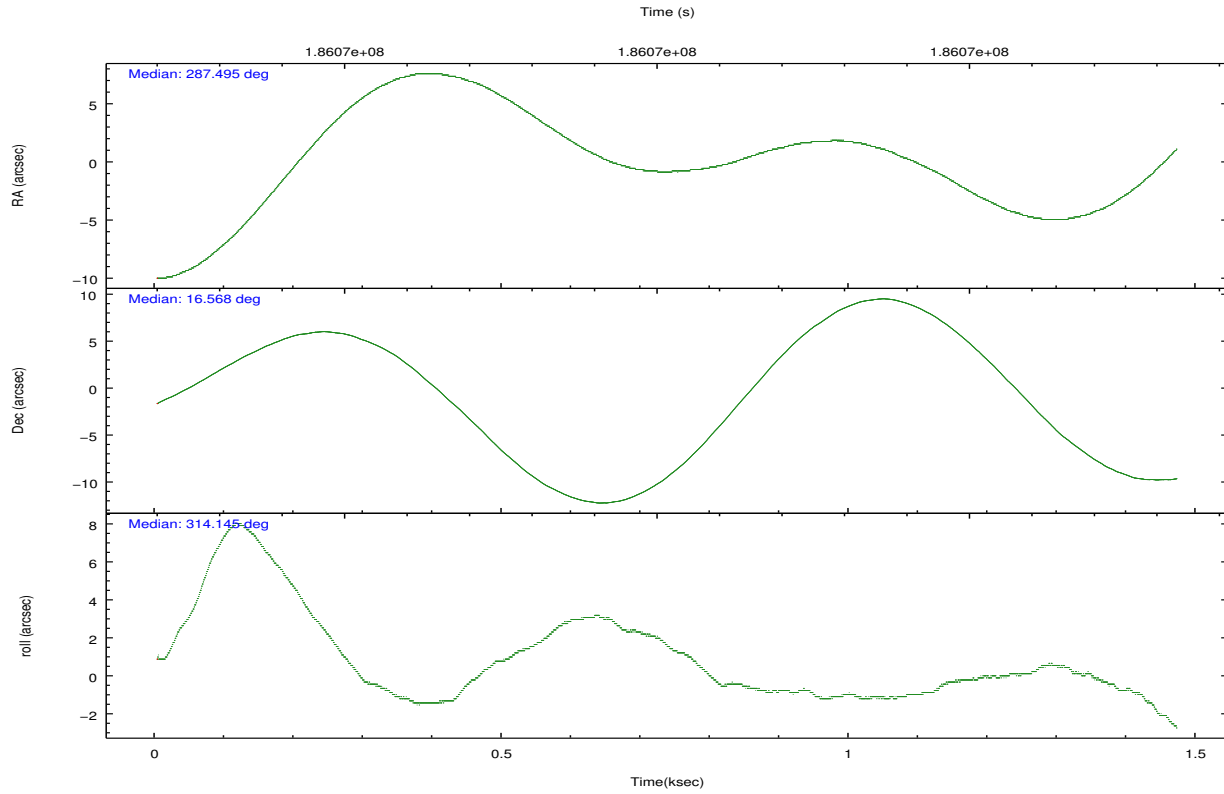
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	261	281	225	282	343	1683
	4%	4%	3%	4%	16%	14%
grade 1 events	7	6	3	3	7	19
	0%	0%	0%	0%	0%	0%
grade 2 events	141	161	77	143	406	780
	2%	2%	1%	2%	19%	6%
grade 3 events	44	46	58	46	177	925
	0%	0%	0%	0%	8%	7%
grade 4 events	59	62	50	53	183	792
	1%	0%	0%	0%	8%	6%
grade 5 events	46	51	52	71	131	147
	0%	0%	0%	1%	6%	1%
grade 6 events	51	80	47	42	412	1254
	0%	1%	0%	0%	19%	10%
grade 7 events	5034	6190	5744	6069	457	6040
	89%	90%	91%	90%	21%	51%

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	287.468103	287.4952941508682	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.574461	16.56753475563358	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999321	314.1482160125655	[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)	186071464.184000	186071088.05767			
Observation start date	2003-11-24T14:30:00	2003-11-24T14:24:48			
[s] Observation end time (MET)	186072754.184000	186072887.95774			
Observation end date	2003-11-24T14:51:30	2003-11-24T14:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



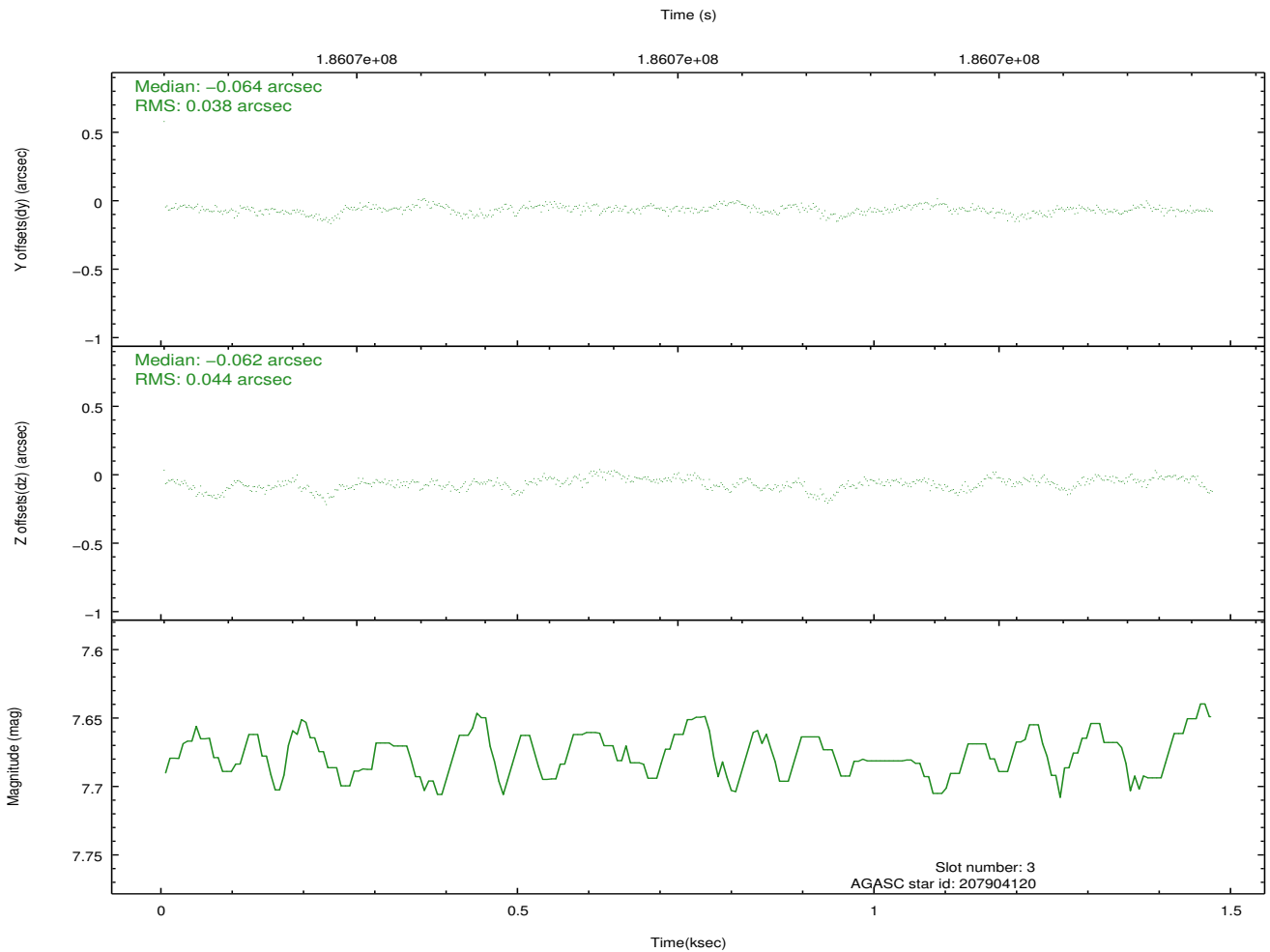
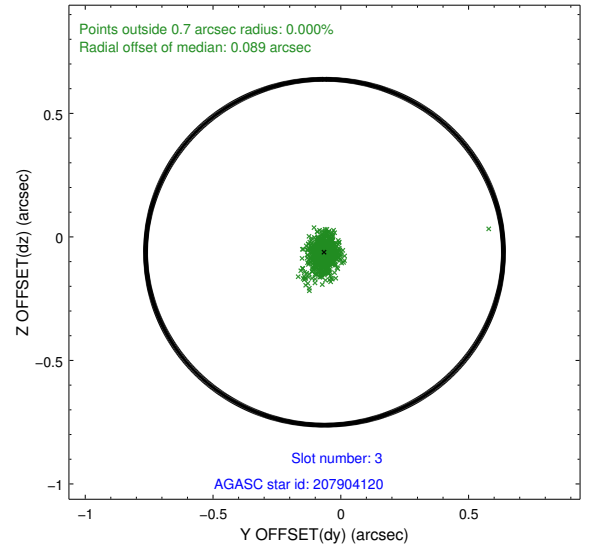
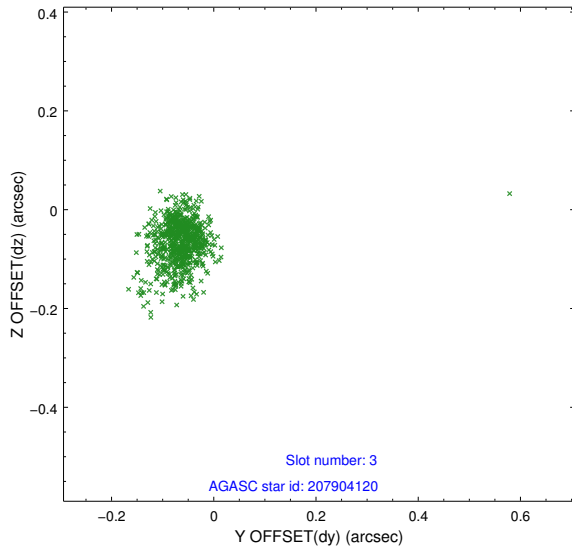


Slot Statistics

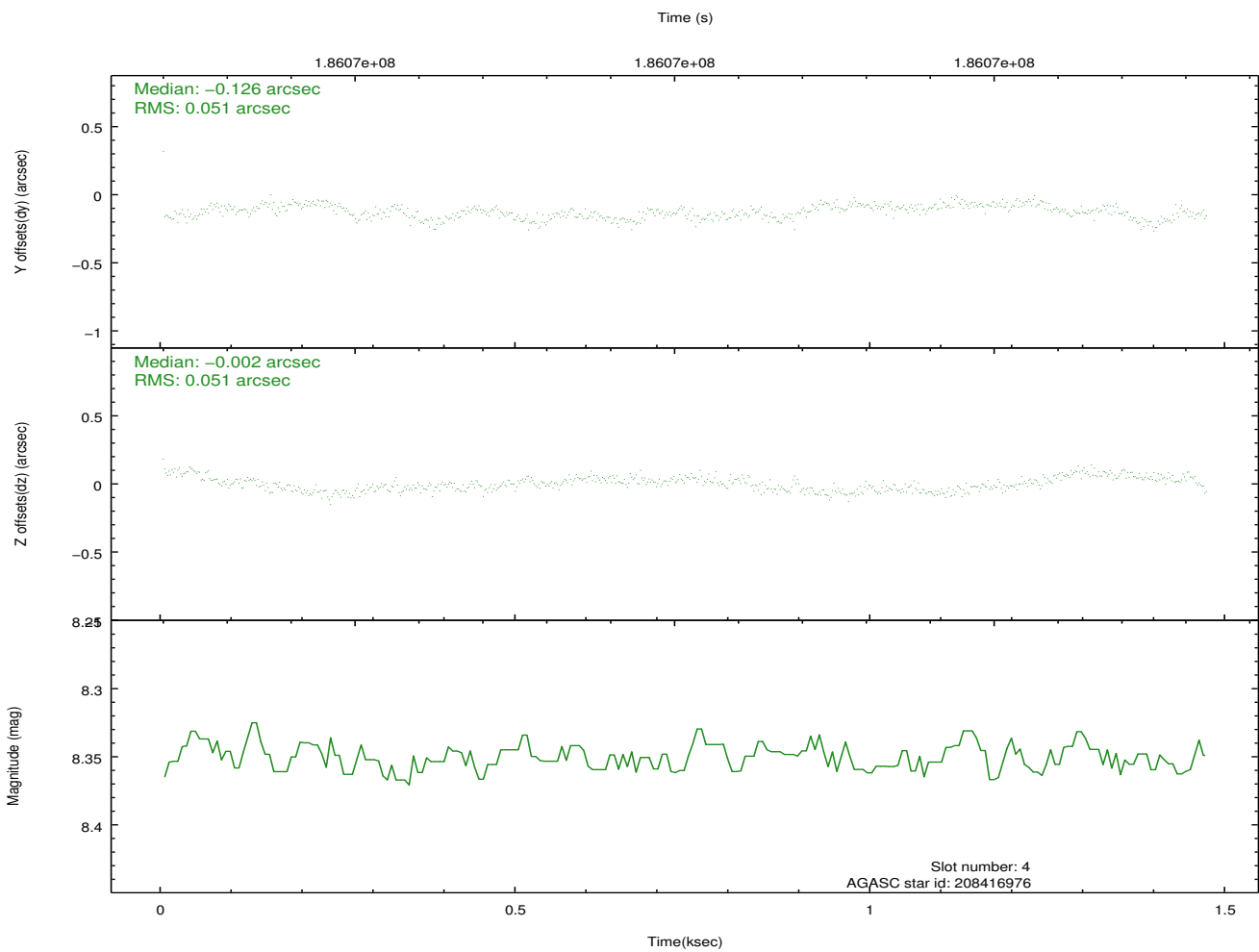
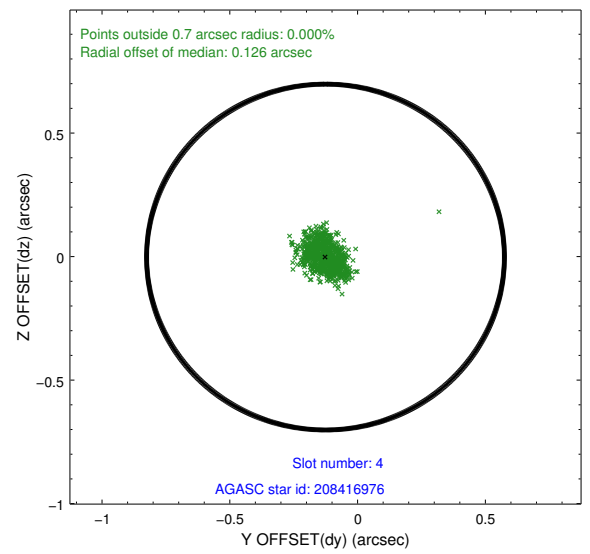
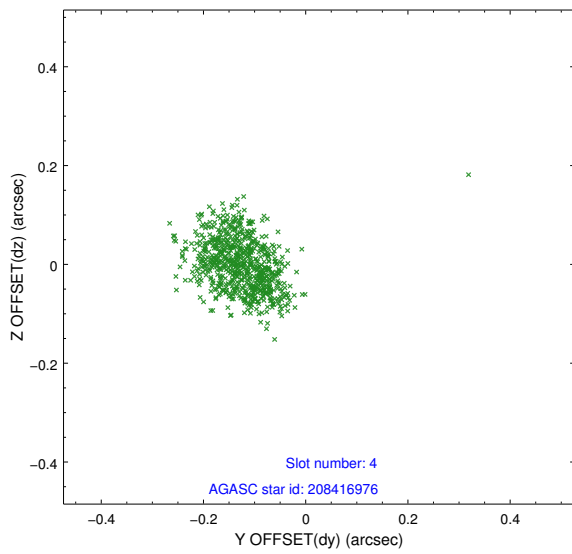
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	359	-0.011	-0.007	0.007	0.011	0.000000	0.000000	-760.47	-1733.19
1	FID	ACIS-S-4	7.20	359	0.040	0.007	0.005	0.011	0.000000	0.000000	2150.81	170.64
2	FID	ACIS-S-5	7.23	359	-0.062	0.009	0.006	0.011	0.000000	0.000000	-1807.57	169.44
3	GUIDE	207904120	7.68	718	-0.064	-0.062	0.053	0.096	286.904195	16.289988	-617.54	-2111.00
4	GUIDE	208416976	8.35	718	-0.126	-0.002	0.075	0.119	287.326965	17.073967	-1630.81	896.89
5	GUIDE	208421840	9.21	718	0.083	0.043	0.088	0.143	287.570311	16.918850	-648.37	1116.09
6	GUIDE	209596088	9.37	718	0.139	0.102	0.103	0.164	288.150718	16.305149	2333.36	1028.06
7	GUIDE	209585448	7.95	717	-0.028	-0.081	0.078	0.116	288.114724	16.850123	836.44	2296.04

2.4 Star Slots

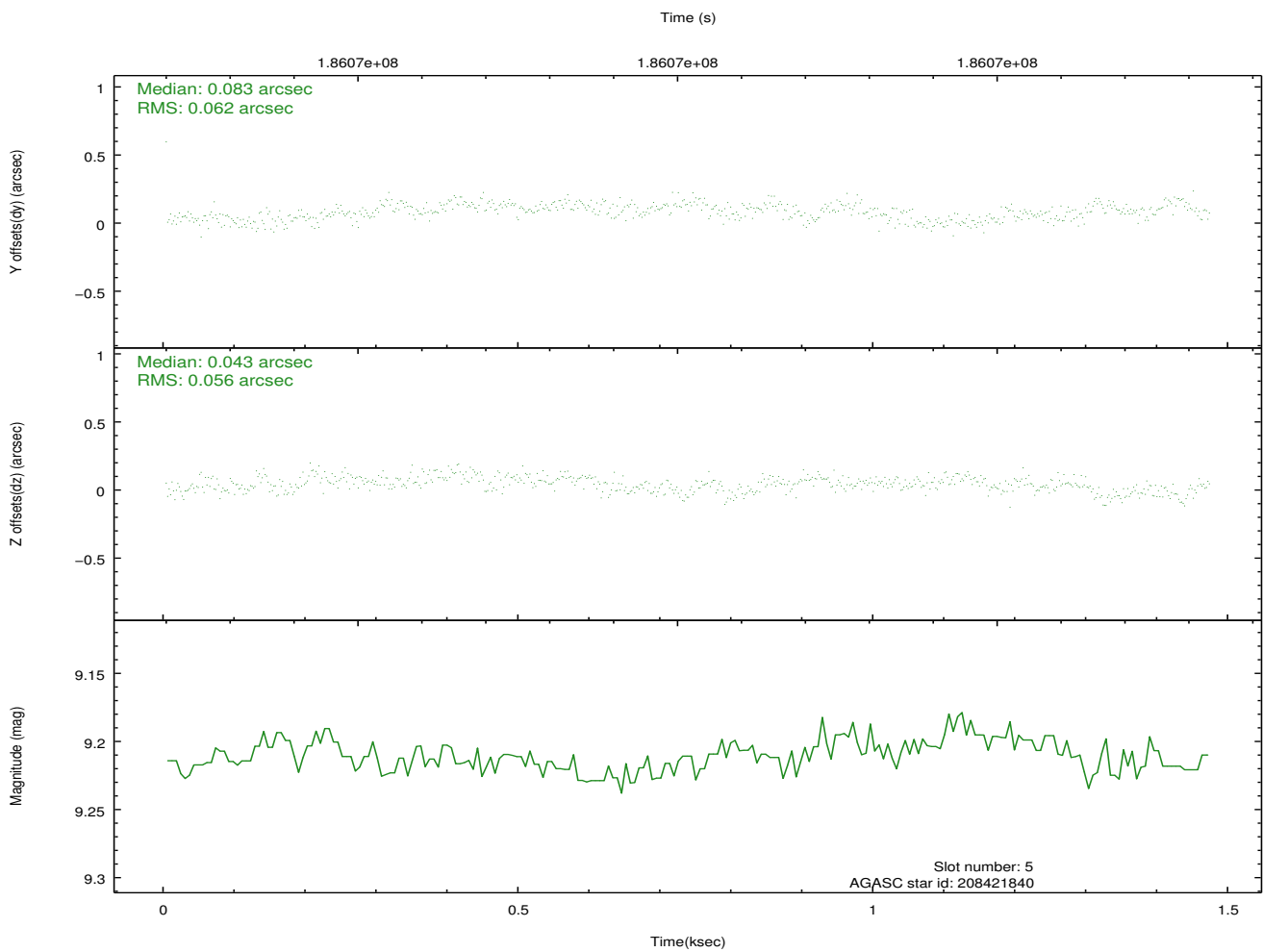
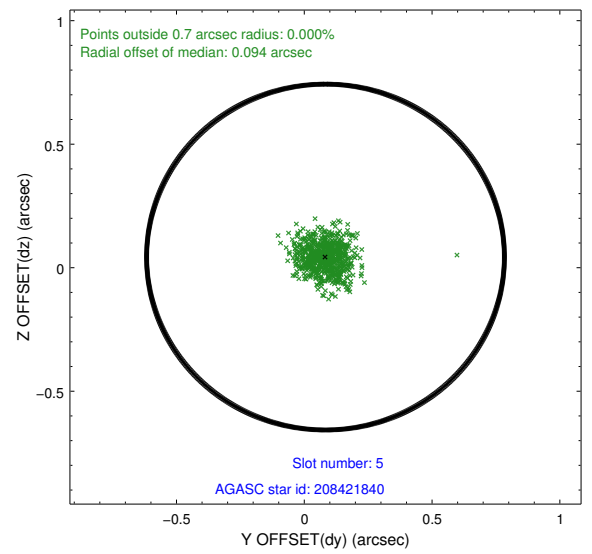
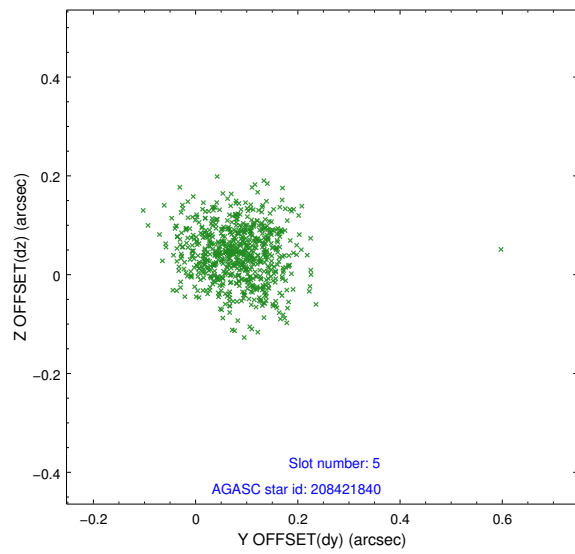
2.4.1 Slot 3



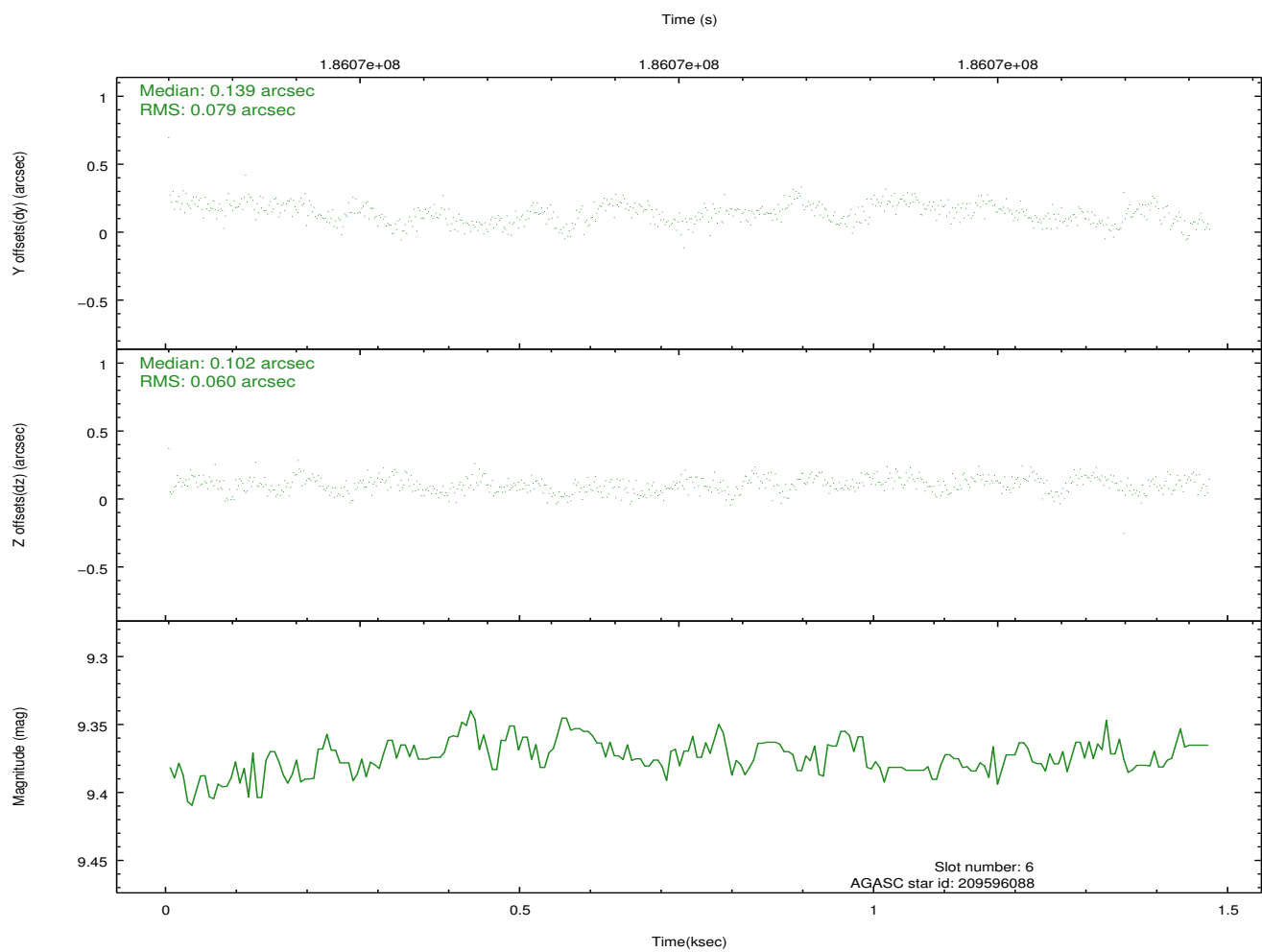
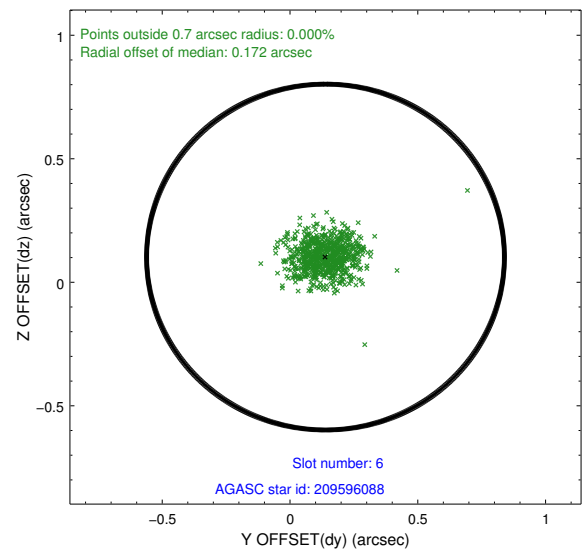
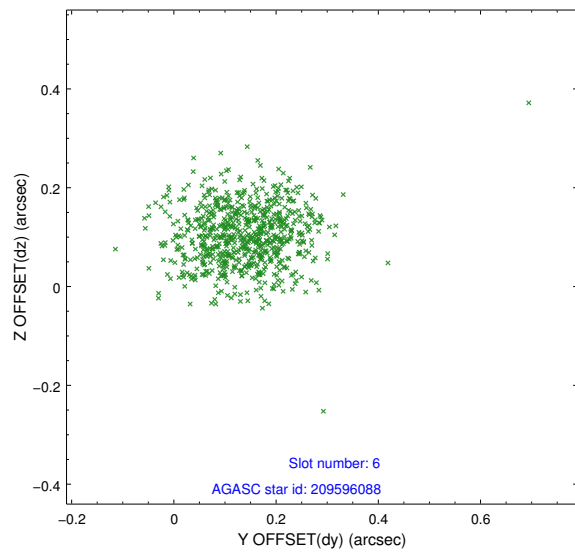
2.4.2 Slot 4



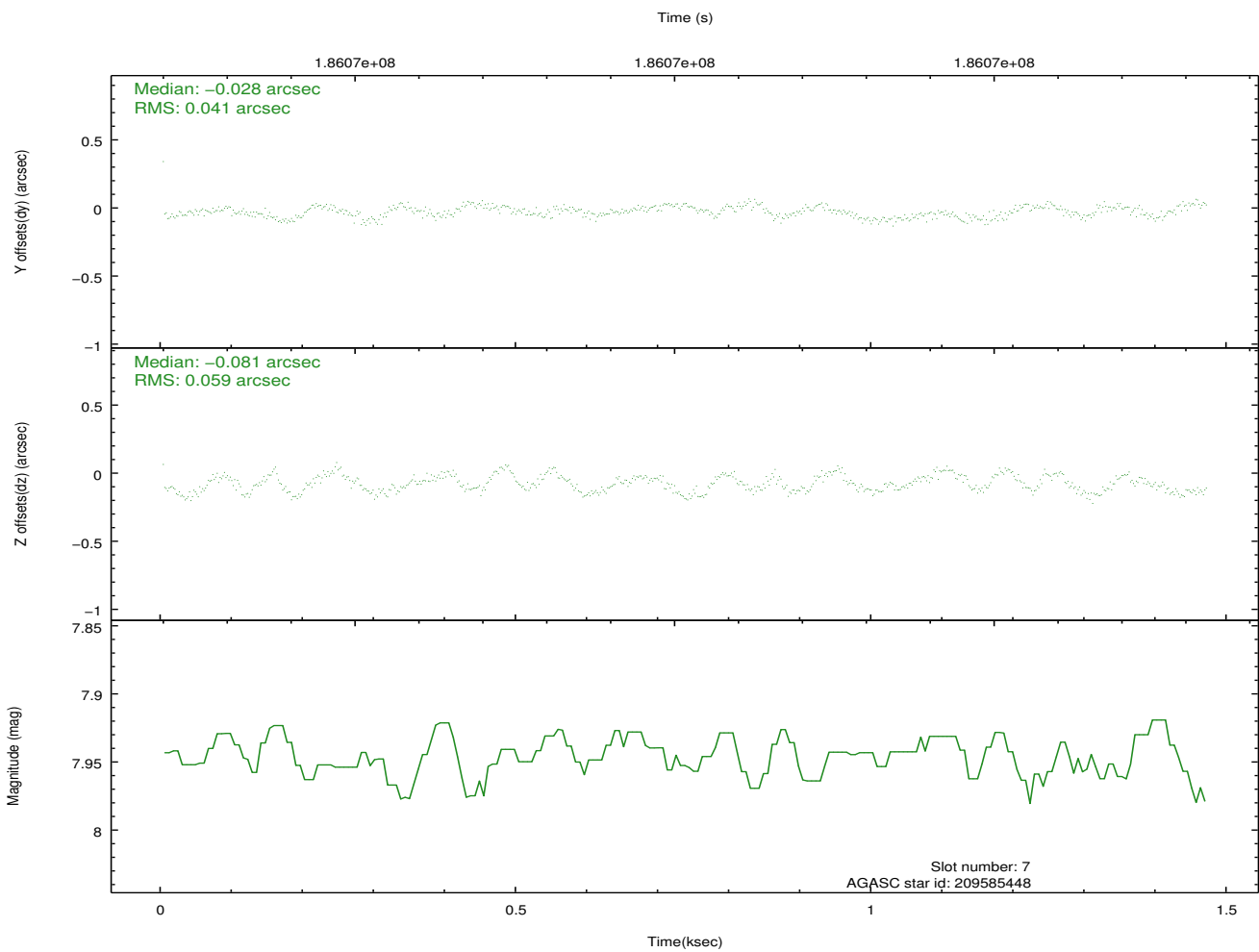
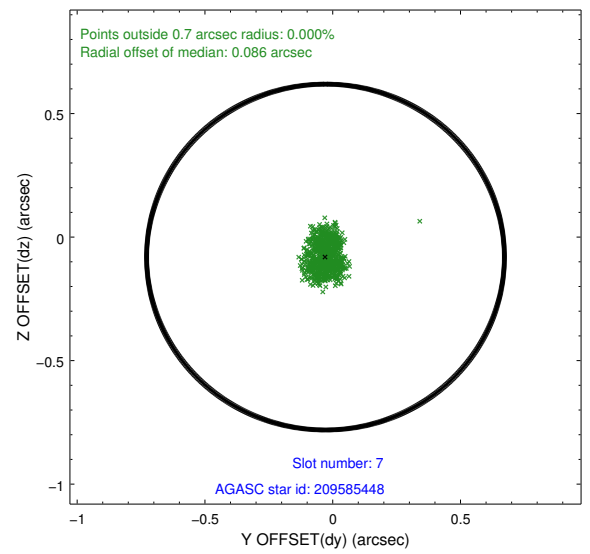
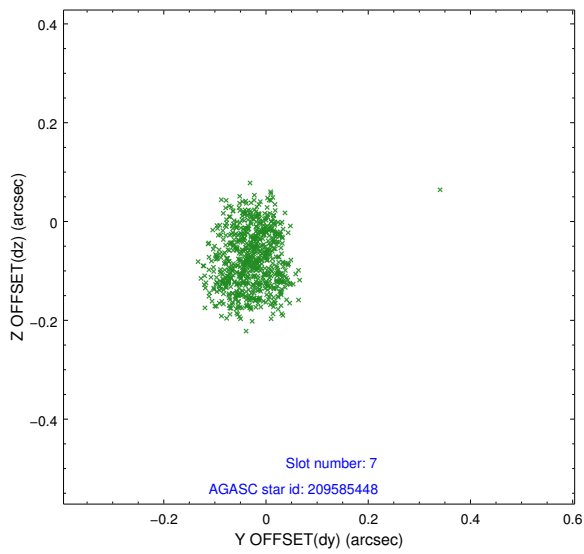
2.4.3 Slot 5



2.4.4 Slot 6

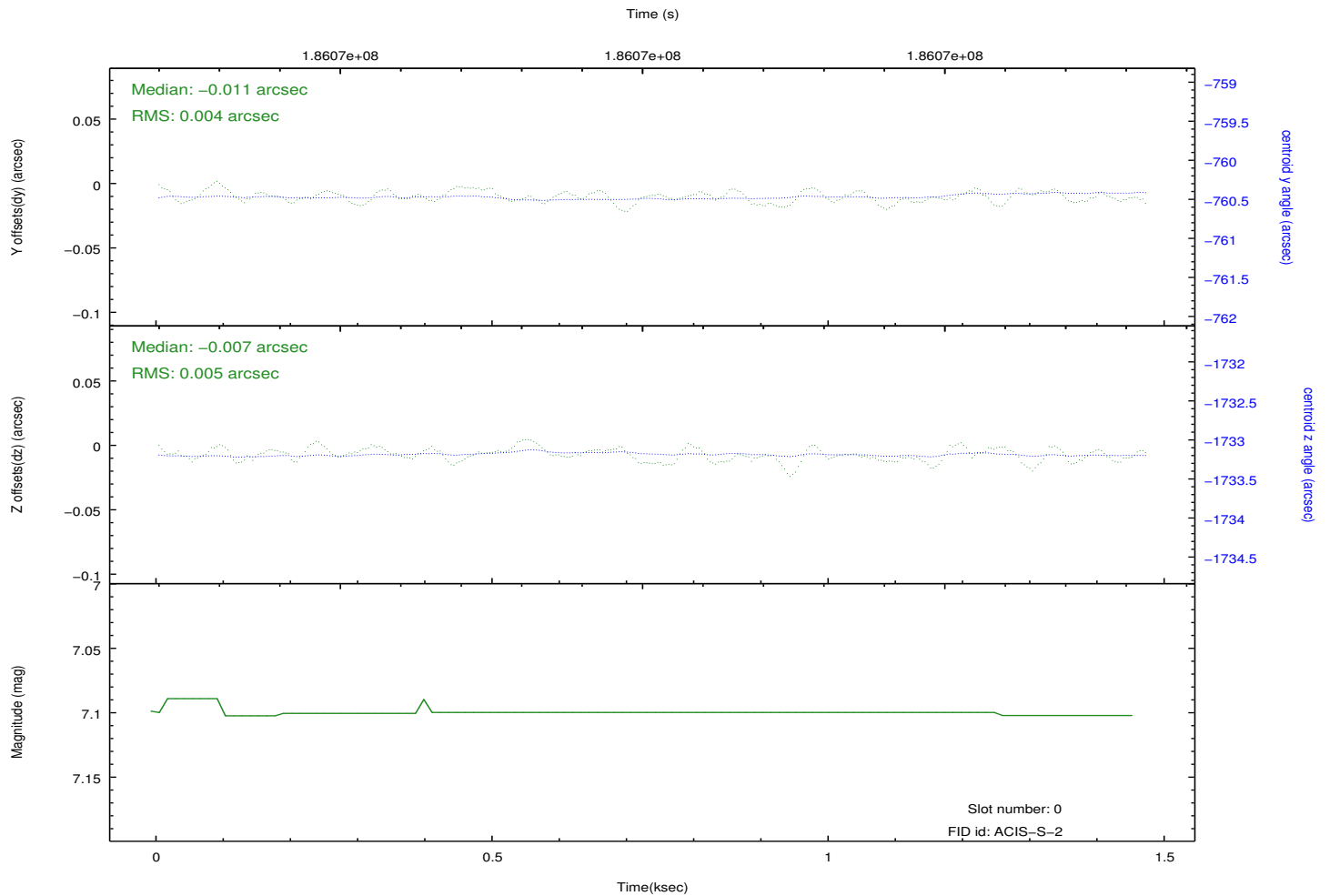
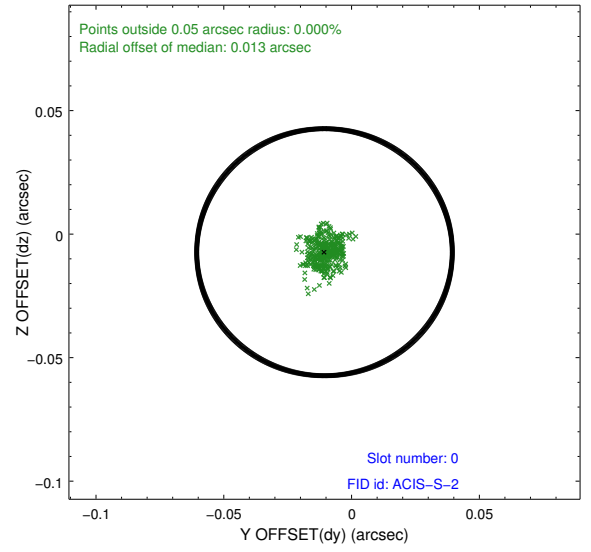
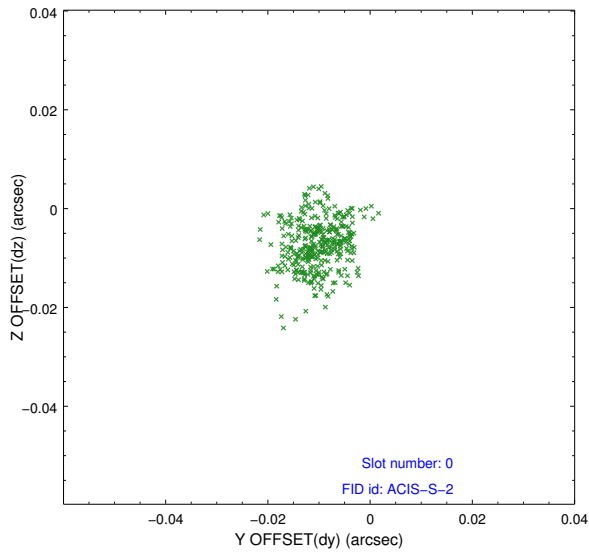


2.4.5 Slot 7

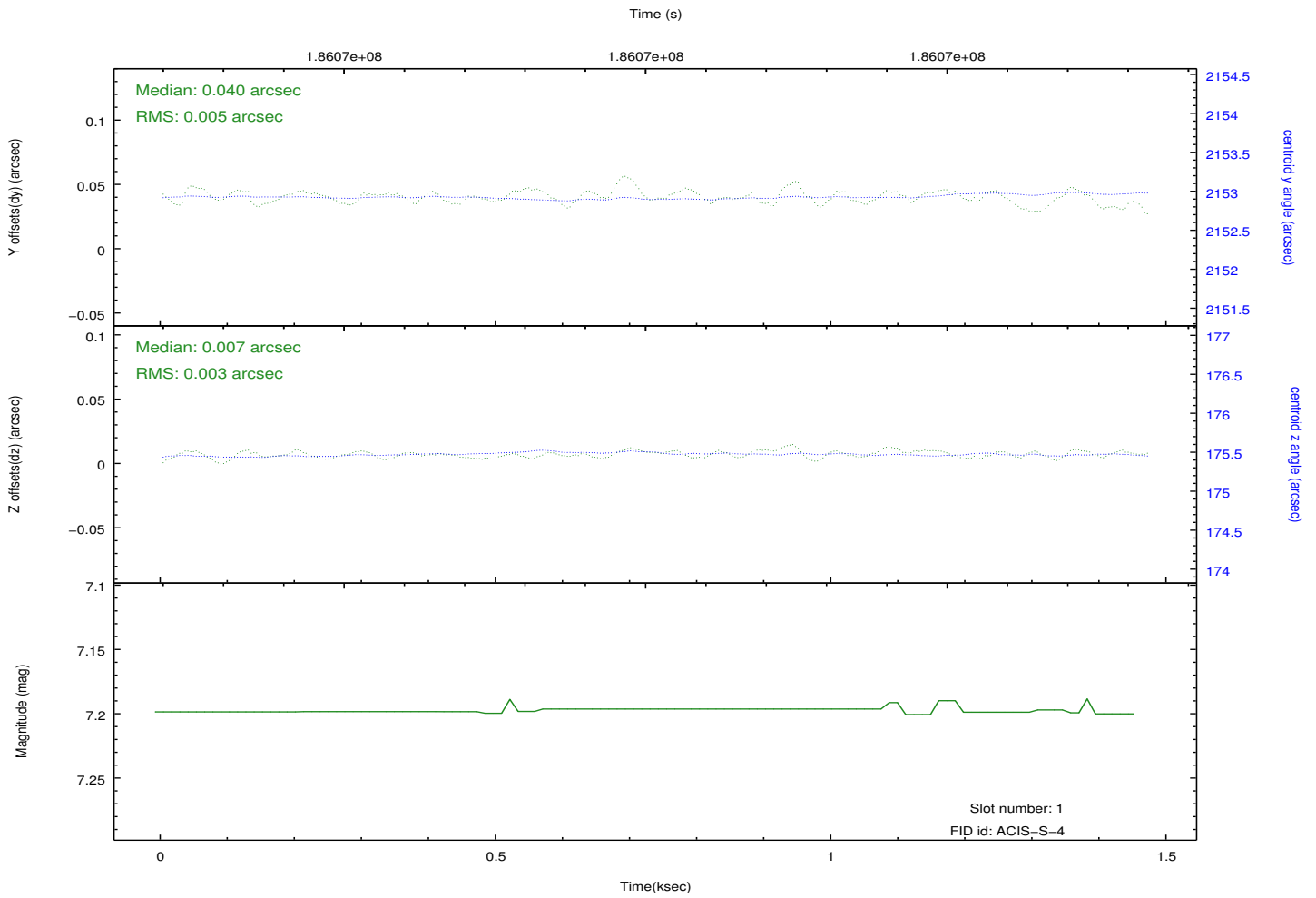
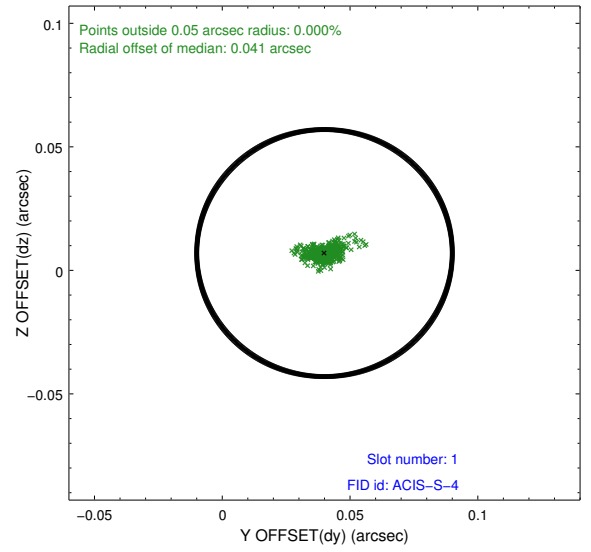
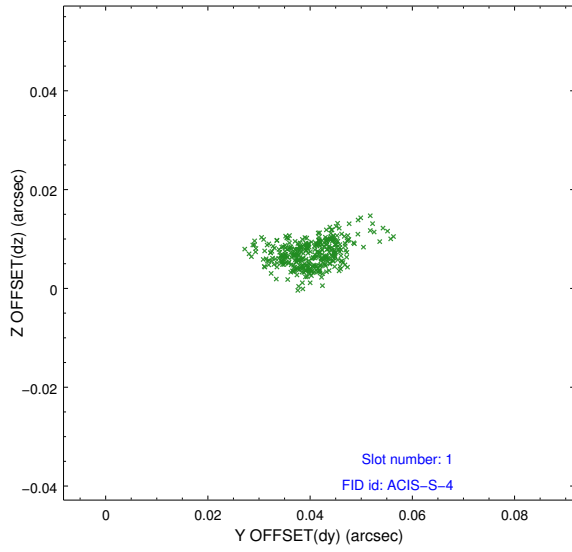


2.5 FID Slots

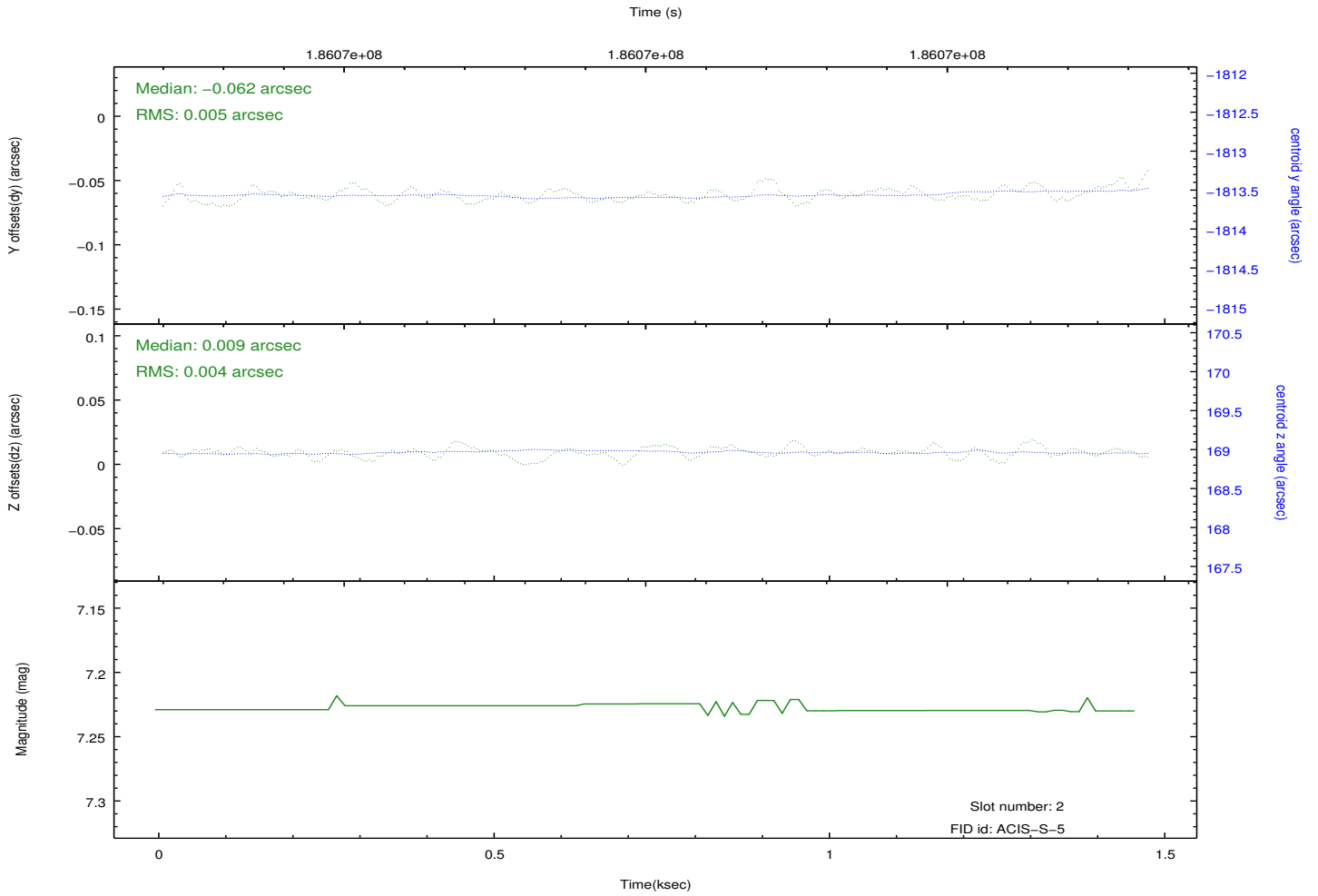
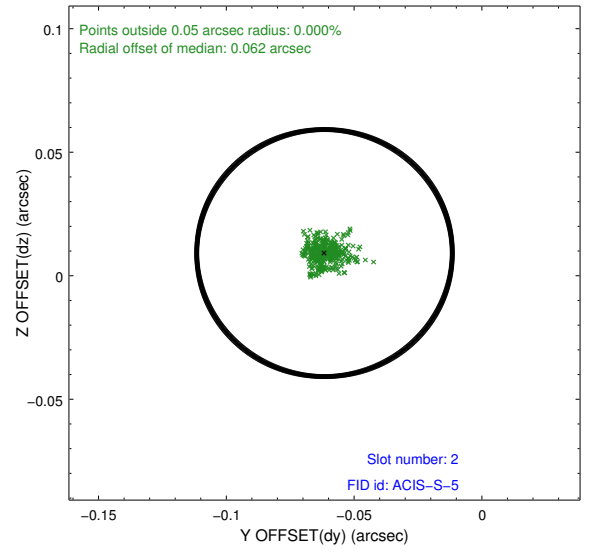
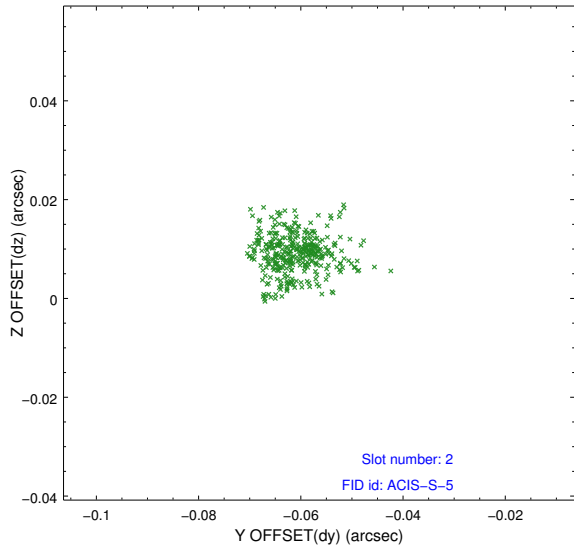
2.5.1 Slot 0



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.