

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5263 - L2 Version 3
Chandra X-Ray Center

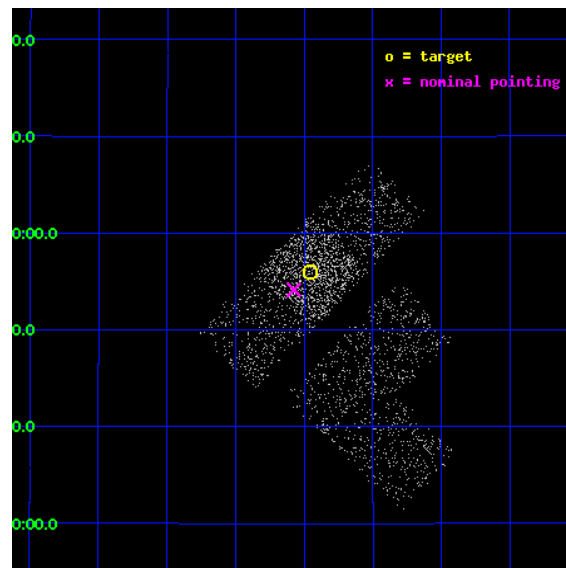
L2 Processing Date : Nov 8 2012

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1 Front

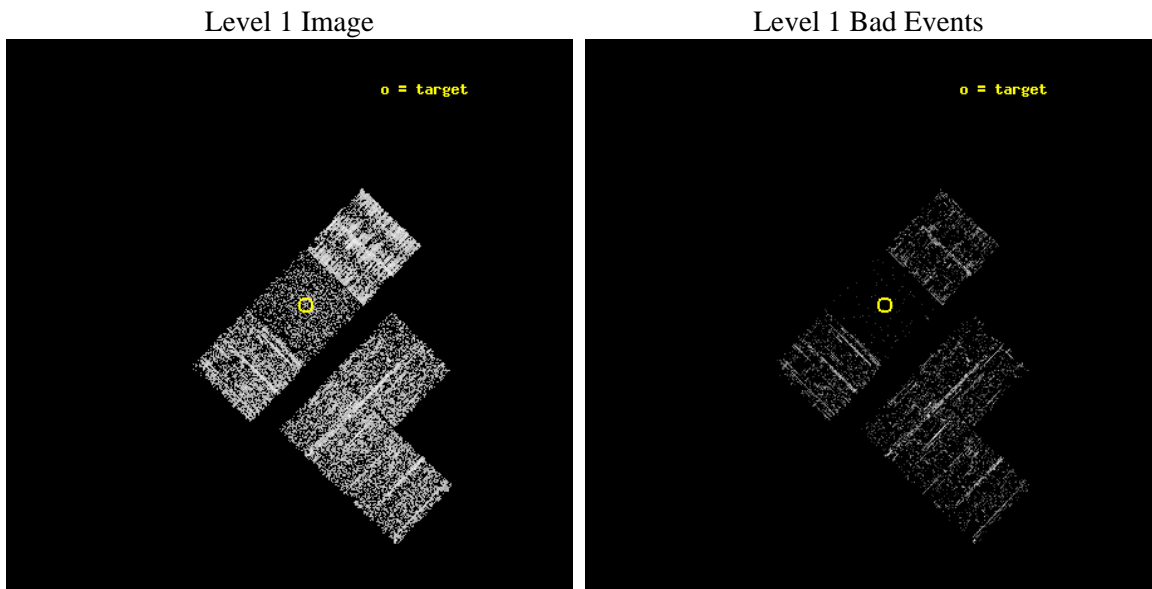
seq_num	100051	Sequence number
obs_id	5263	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.8643	Observer's specified target RA [deg]
dec_targ	16.93407	Observer's specified target Dec [deg]
ra_nom	287.8938164197	Nominal RA [deg]
dec_nom	16.902395380125	Nominal Dec [deg]
roll_nom	314.14798714608	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	2971	Number of level 2 events



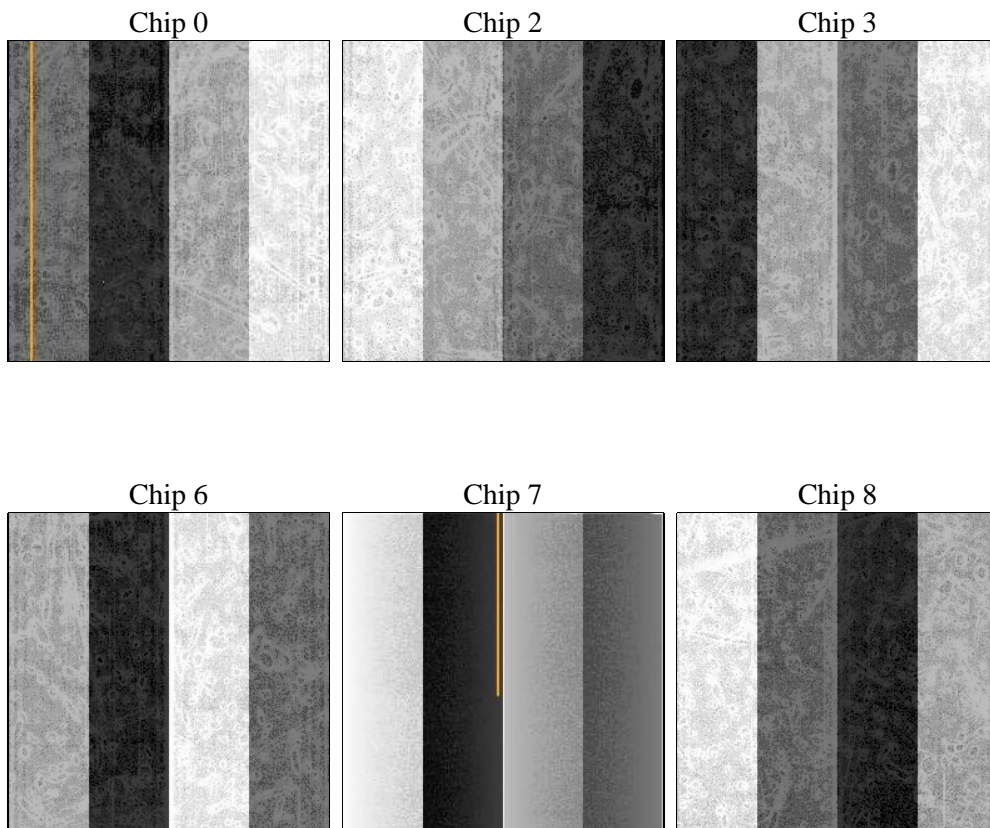
2 OBI

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	2012-11-08T02:26:56	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	38755	Number of level 1 events

2.1.4 Events

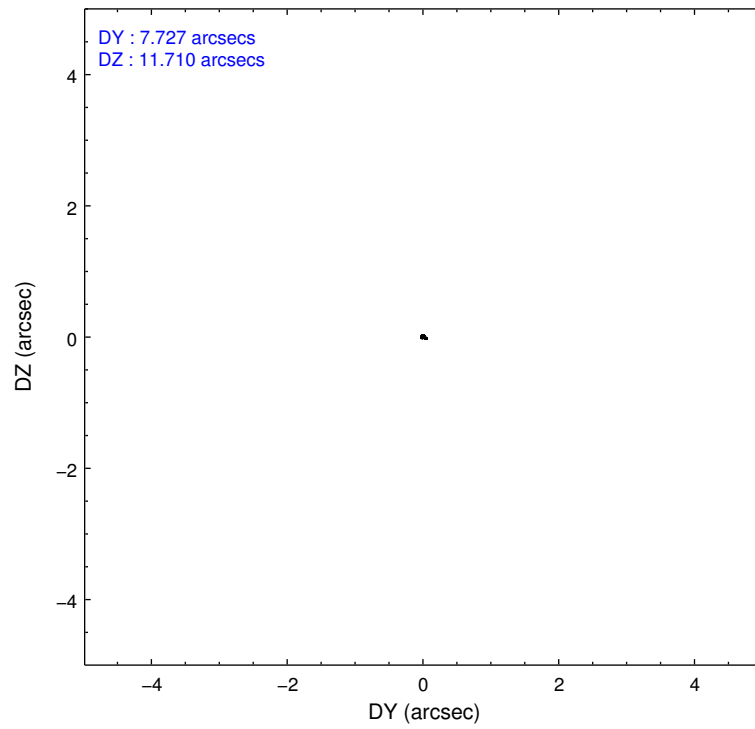
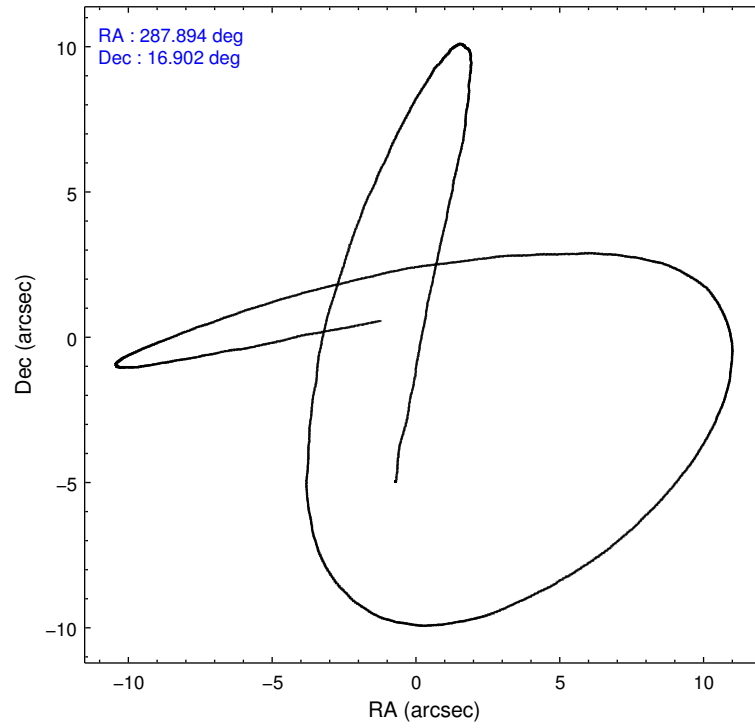
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5517	6664	5571	6951	2269	11783
rejected events	5029	6118	5180	6422	918	6706
rejected %	91%	91%	92%	92%	40%	56%

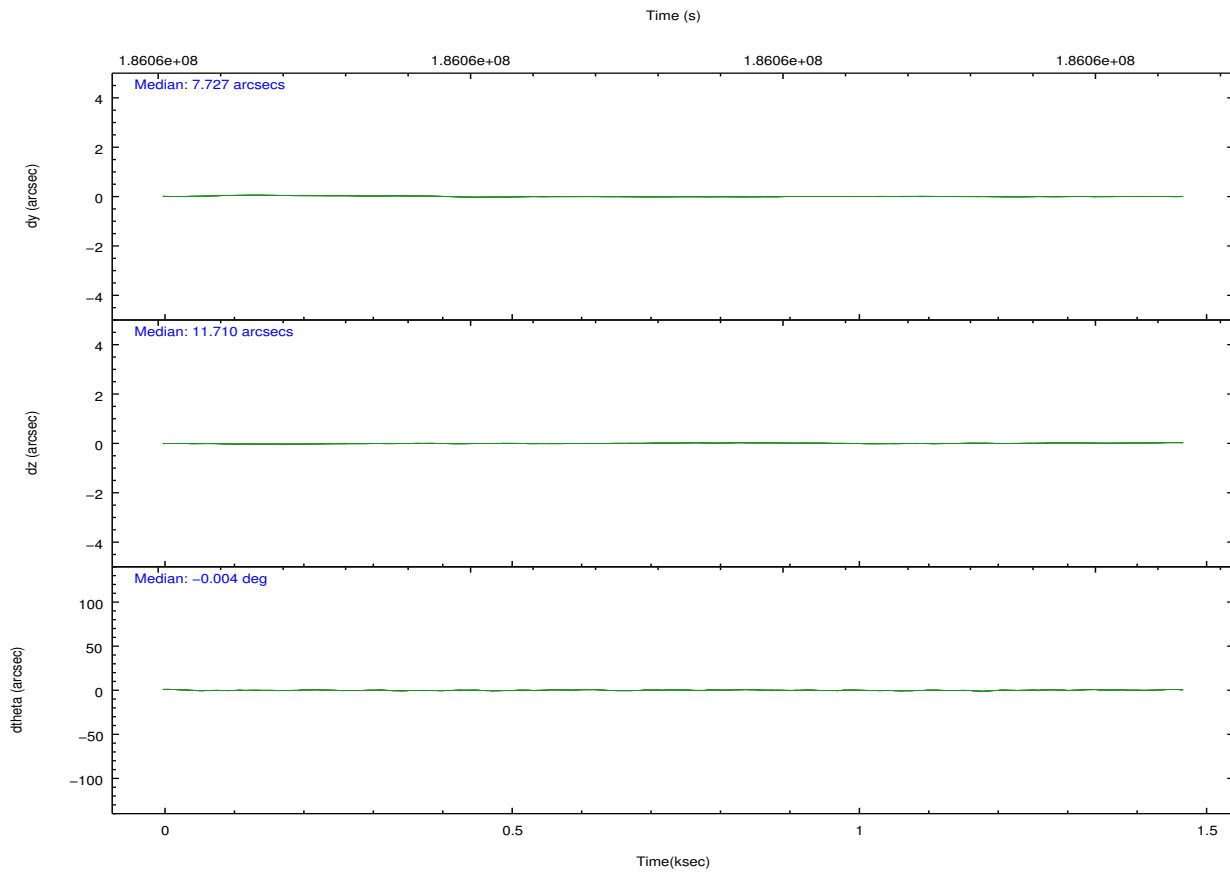
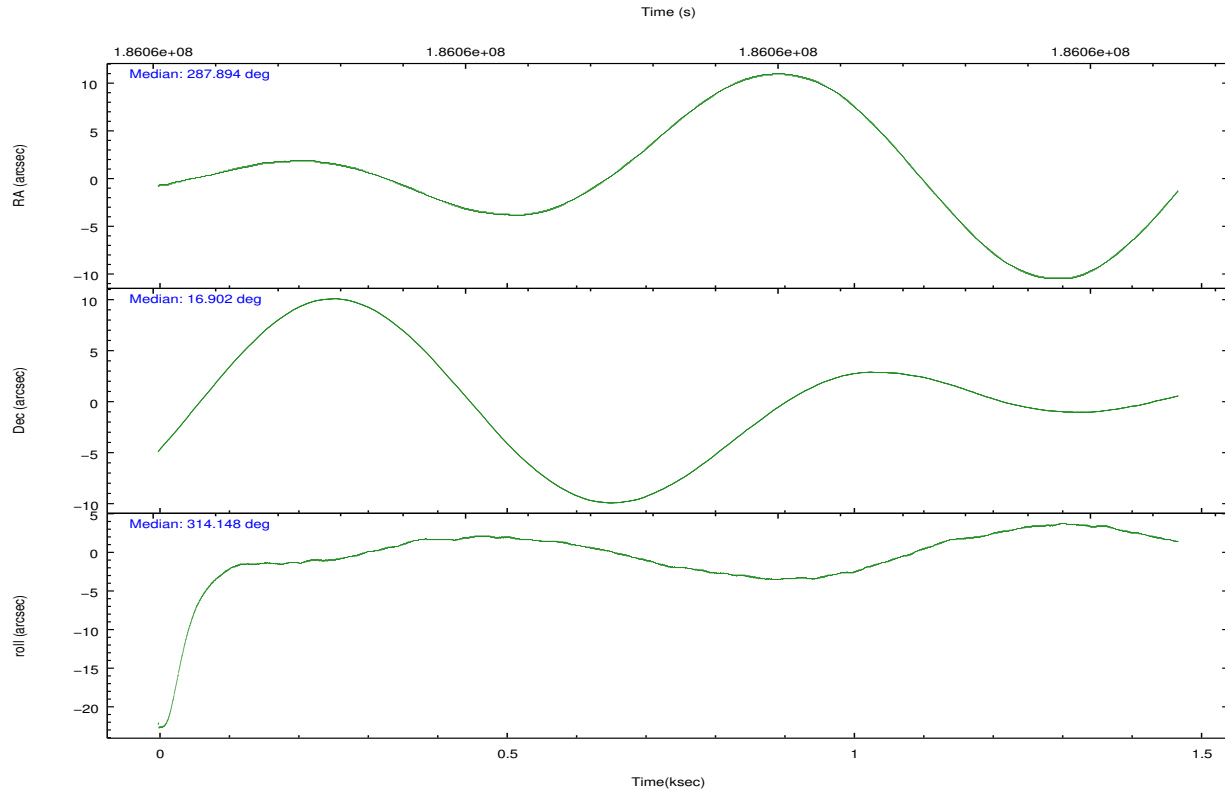
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	255	314	223	319	374	1771
	4%	4%	4%	4%	16%	15%
grade 1 events	6	1	0	2	11	21
	0%	0%	0%	0%	0%	0%
grade 2 events	179	140	103	157	450	951
	3%	2%	1%	2%	19%	8%
grade 3 events	47	54	45	51	201	1036
	0%	0%	0%	0%	8%	8%
grade 4 events	41	76	51	56	181	997
	0%	1%	0%	0%	7%	8%
grade 5 events	53	45	54	58	192	138
	0%	0%	0%	0%	8%	1%
grade 6 events	59	67	47	60	409	1401
	1%	1%	0%	0%	18%	11%
grade 7 events	4877	5967	5048	6248	451	5468
	88%	89%	90%	89%	19%	46%

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	287.866677	287.8938164196951	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.909160	16.90239538012469	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999304	314.1479871460782	[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)	186055264.184000	186054887.93196			
Observation start date	2003-11-24T10:00:00	2003-11-24T09:54:47			
[s] Observation end time (MET)	186056554.184000	186056687.83204			
Observation end date	2003-11-24T10:21:30	2003-11-24T10:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



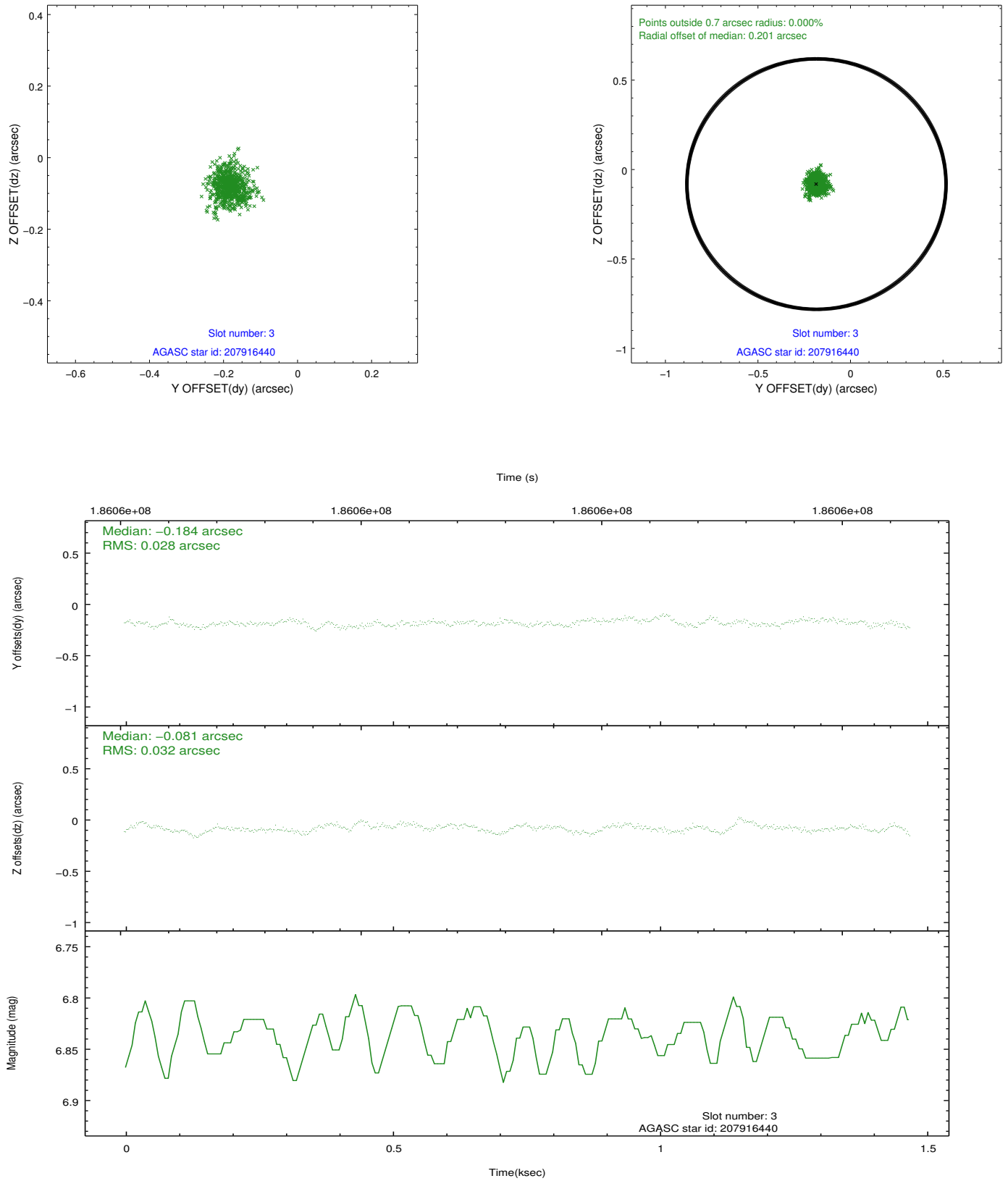


Slot Statistics

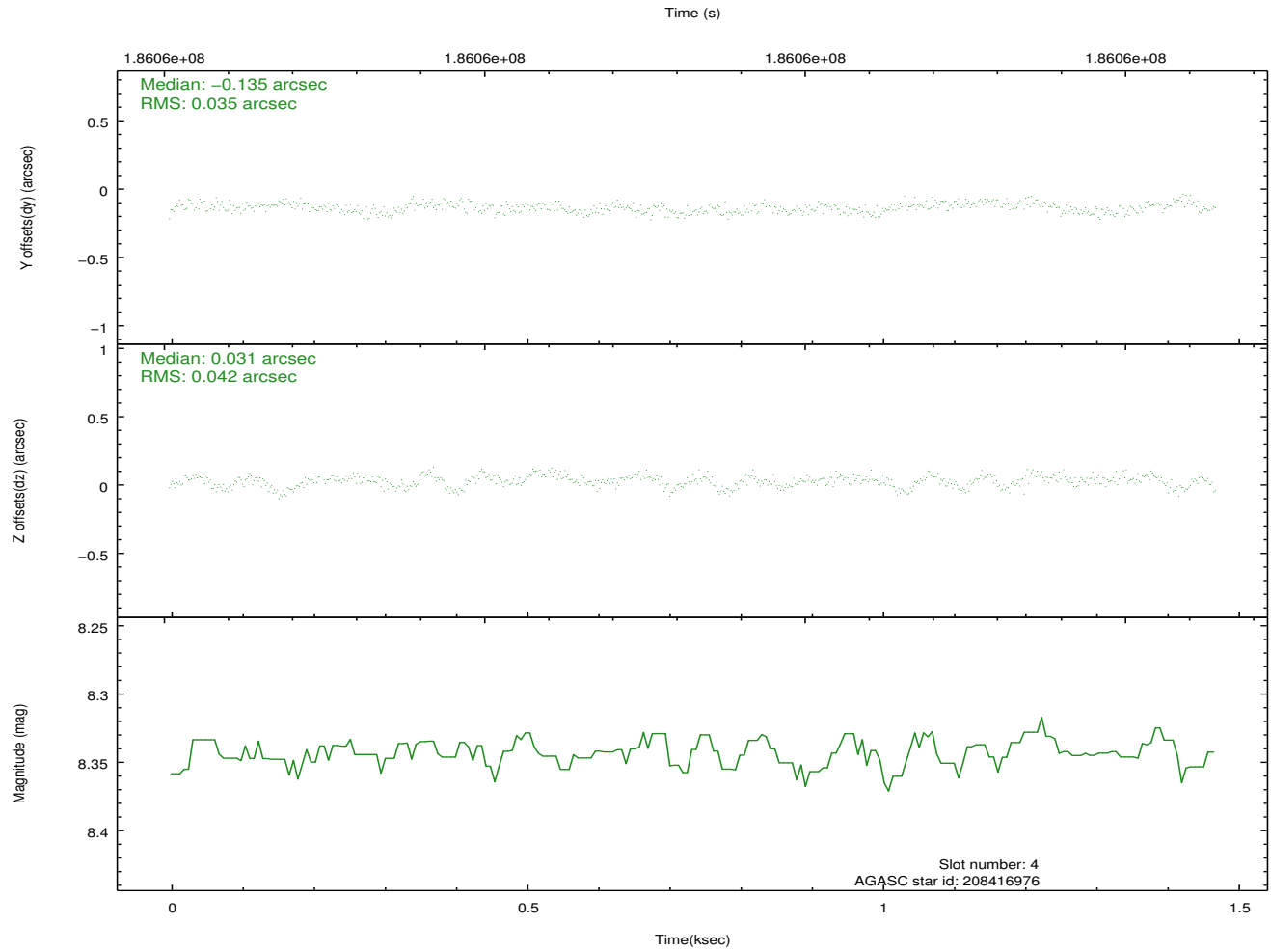
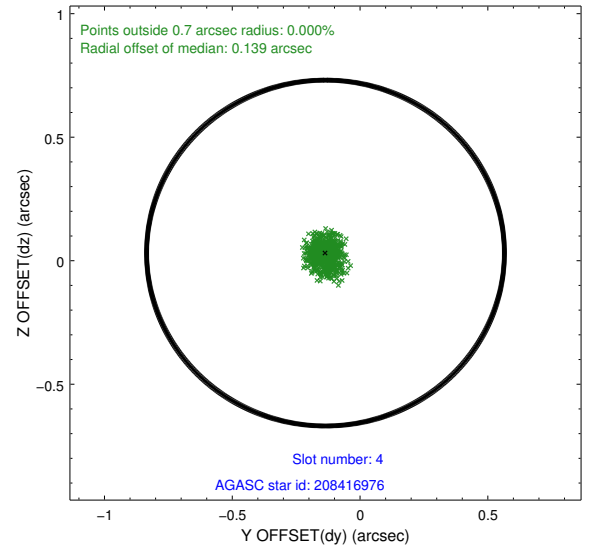
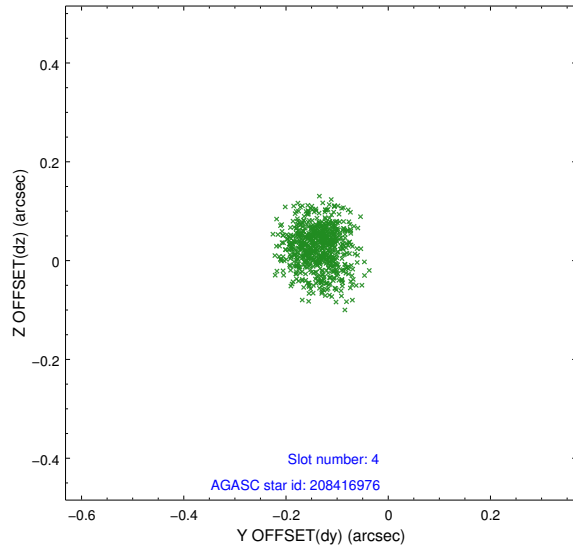
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	359	-0.009	-0.004	0.006	0.011	0.000000	0.000000	-760.50	-1733.01
1	FID	ACIS-S-4	7.20	359	0.046	0.006	0.005	0.009	0.000000	0.000000	2150.77	170.83
2	FID	ACIS-S-5	7.23	359	-0.068	0.007	0.007	0.013	0.000000	0.000000	-1807.62	169.61
3	GUIDE	207916440	6.83	718	-0.184	-0.081	0.044	0.074	287.167522	16.851310	-1524.47	-1874.77
4	GUIDE	208416976	8.34	718	-0.135	0.031	0.059	0.094	287.326965	17.073967	-1718.93	-924.79
5	GUIDE	208421840	9.22	718	0.078	0.027	0.085	0.140	287.570311	16.918850	-734.89	-710.52
6	GUIDE	209585448	7.93	718	0.025	-0.094	0.075	0.116	288.114724	16.850123	748.18	466.51
7	GUIDE	209596088	9.36	717	0.219	0.116	0.094	0.161	288.150718	16.305149	2248.78	-803.01

2.4 Star Slots

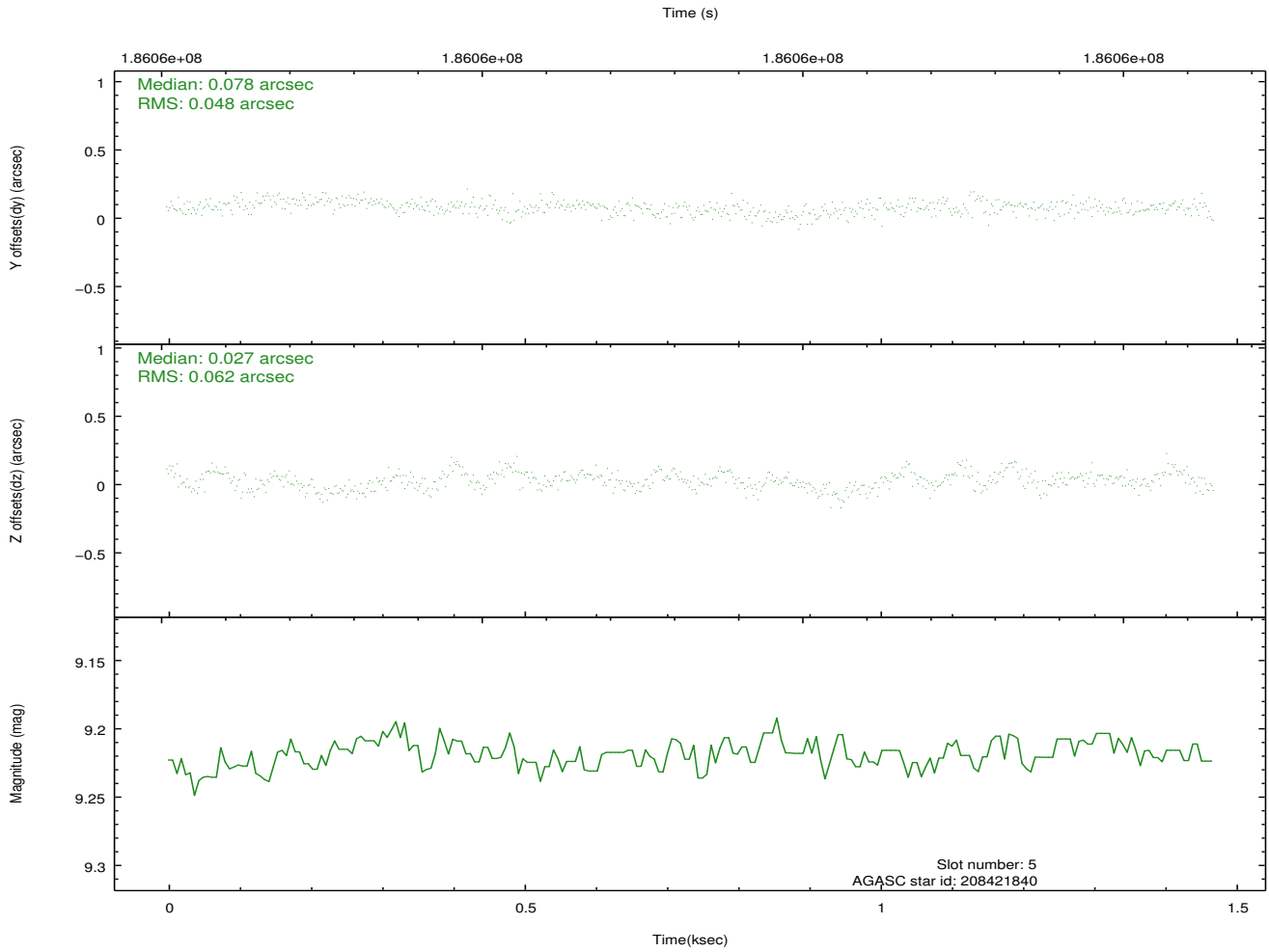
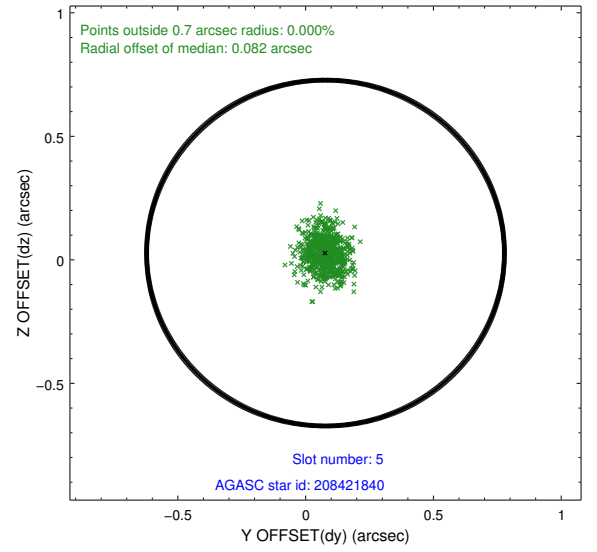
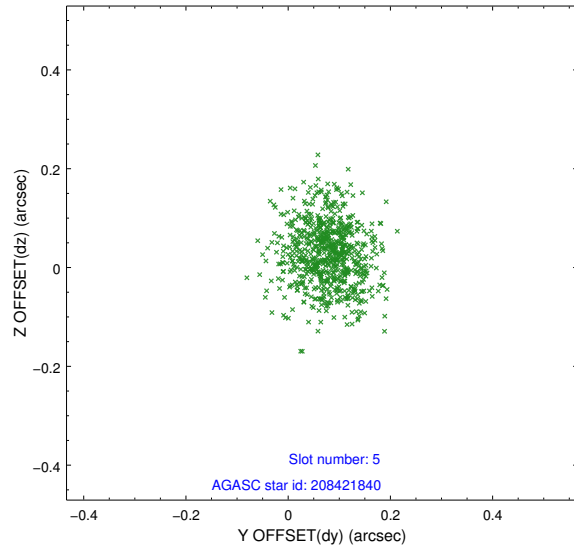
2.4.1 Slot 3



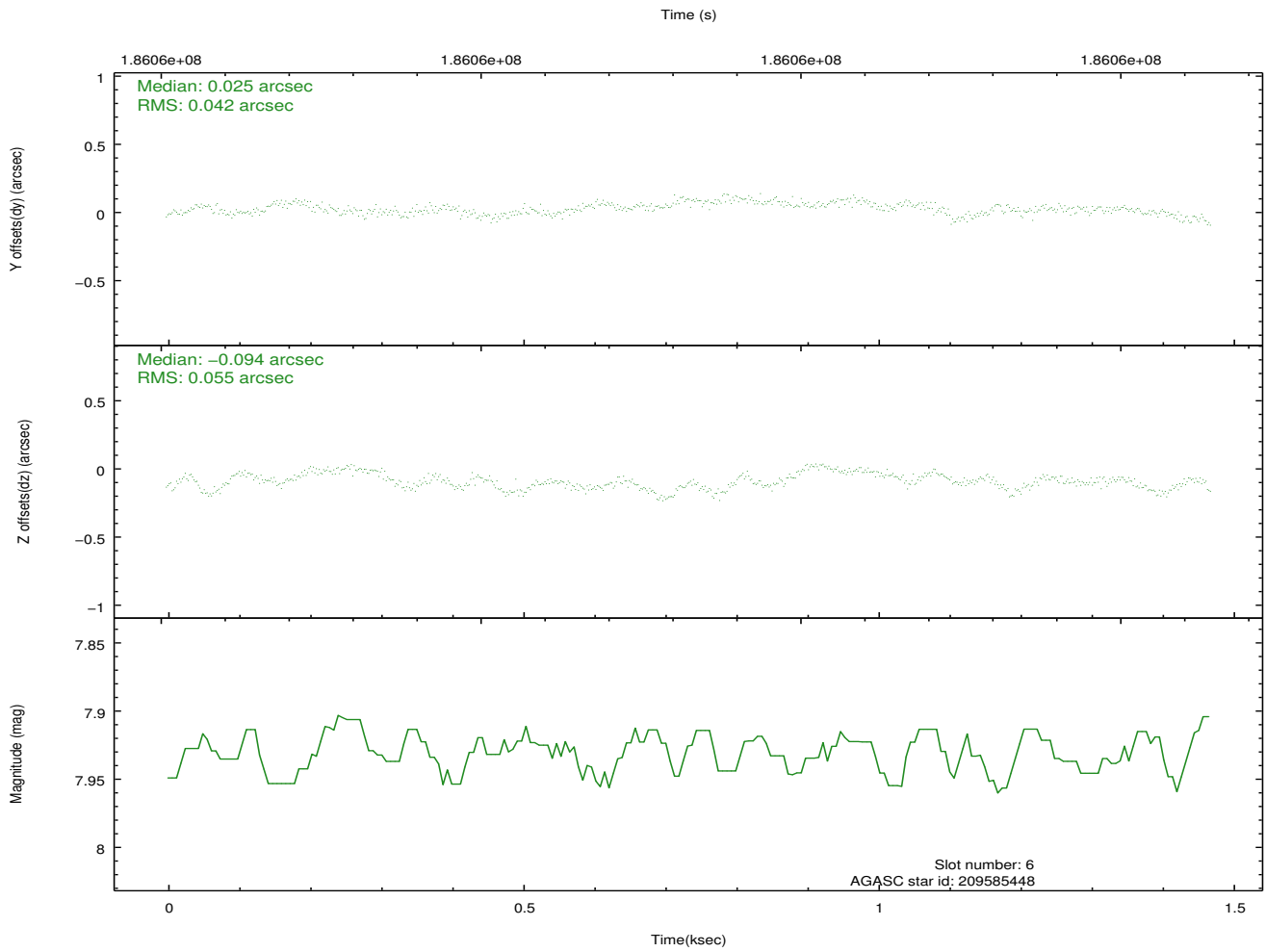
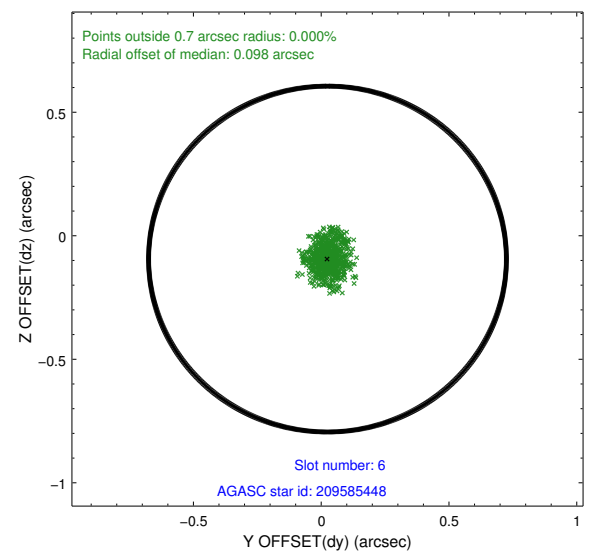
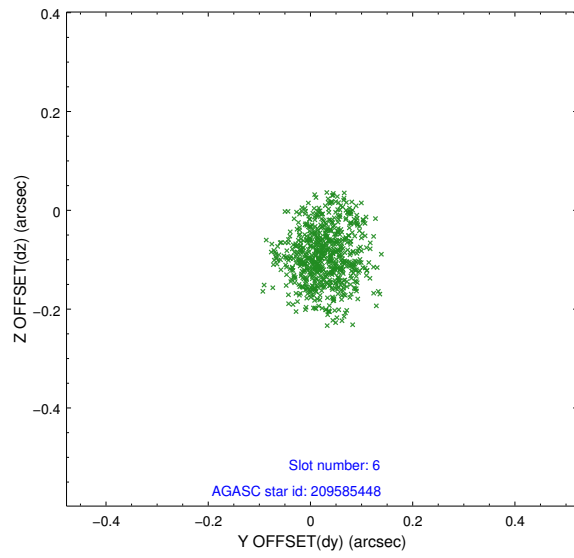
2.4.2 Slot 4



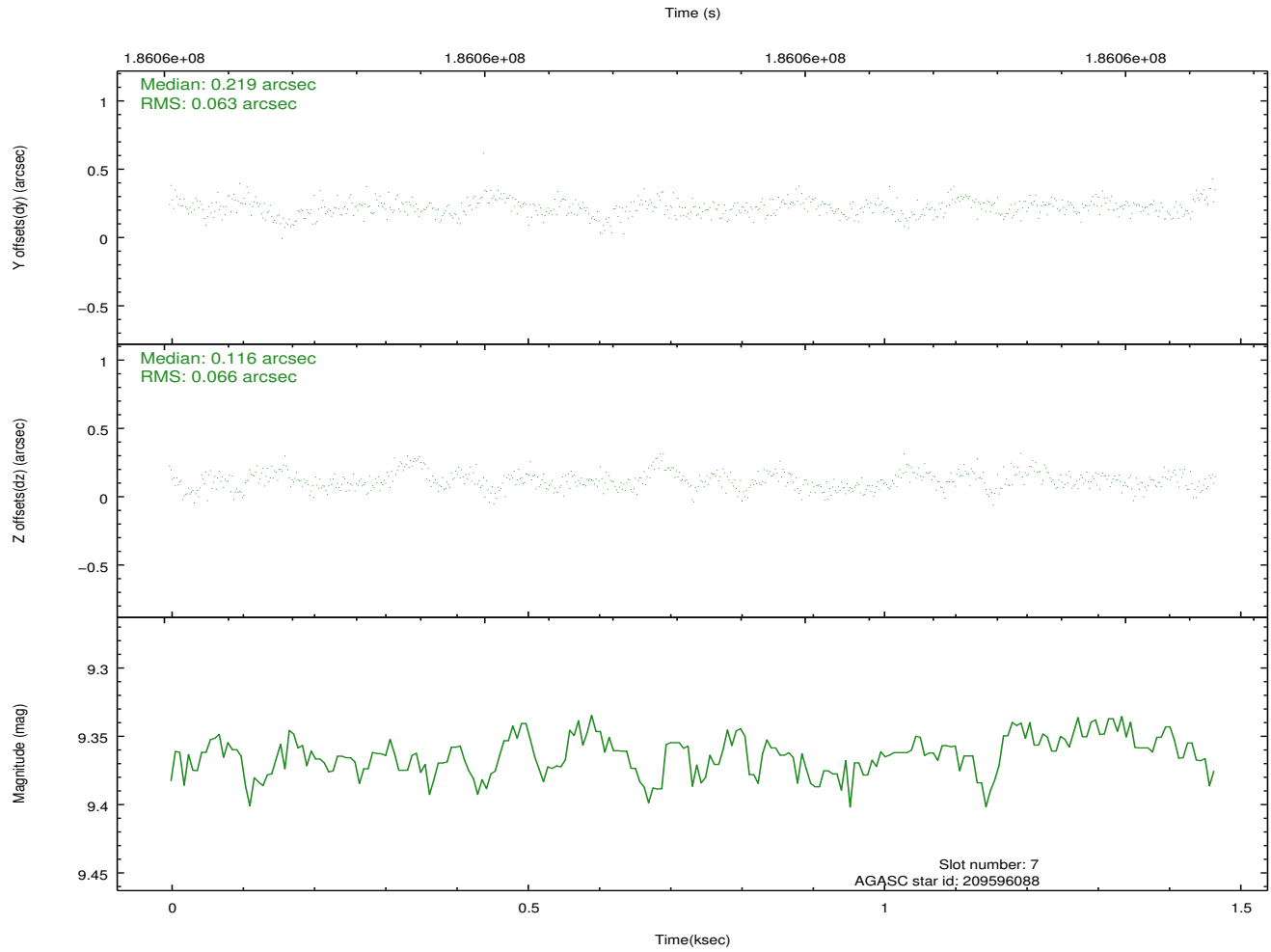
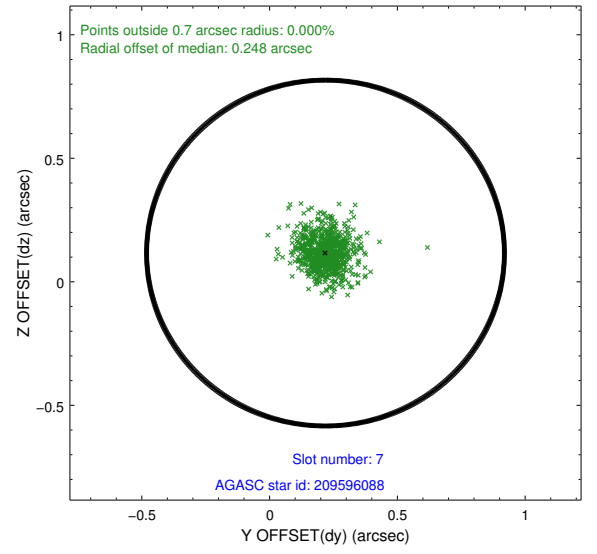
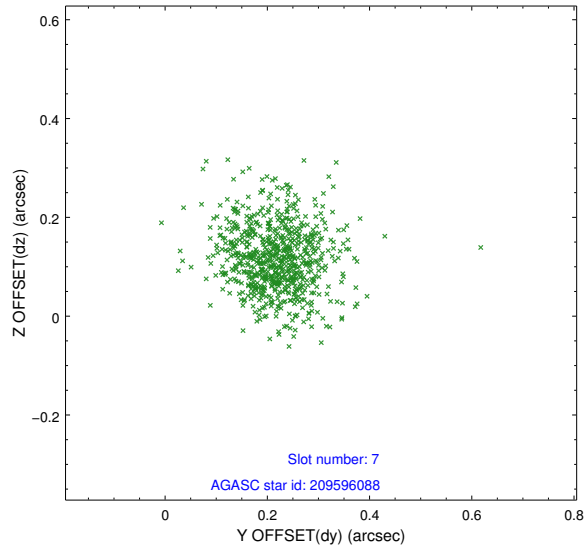
2.4.3 Slot 5



2.4.4 Slot 6

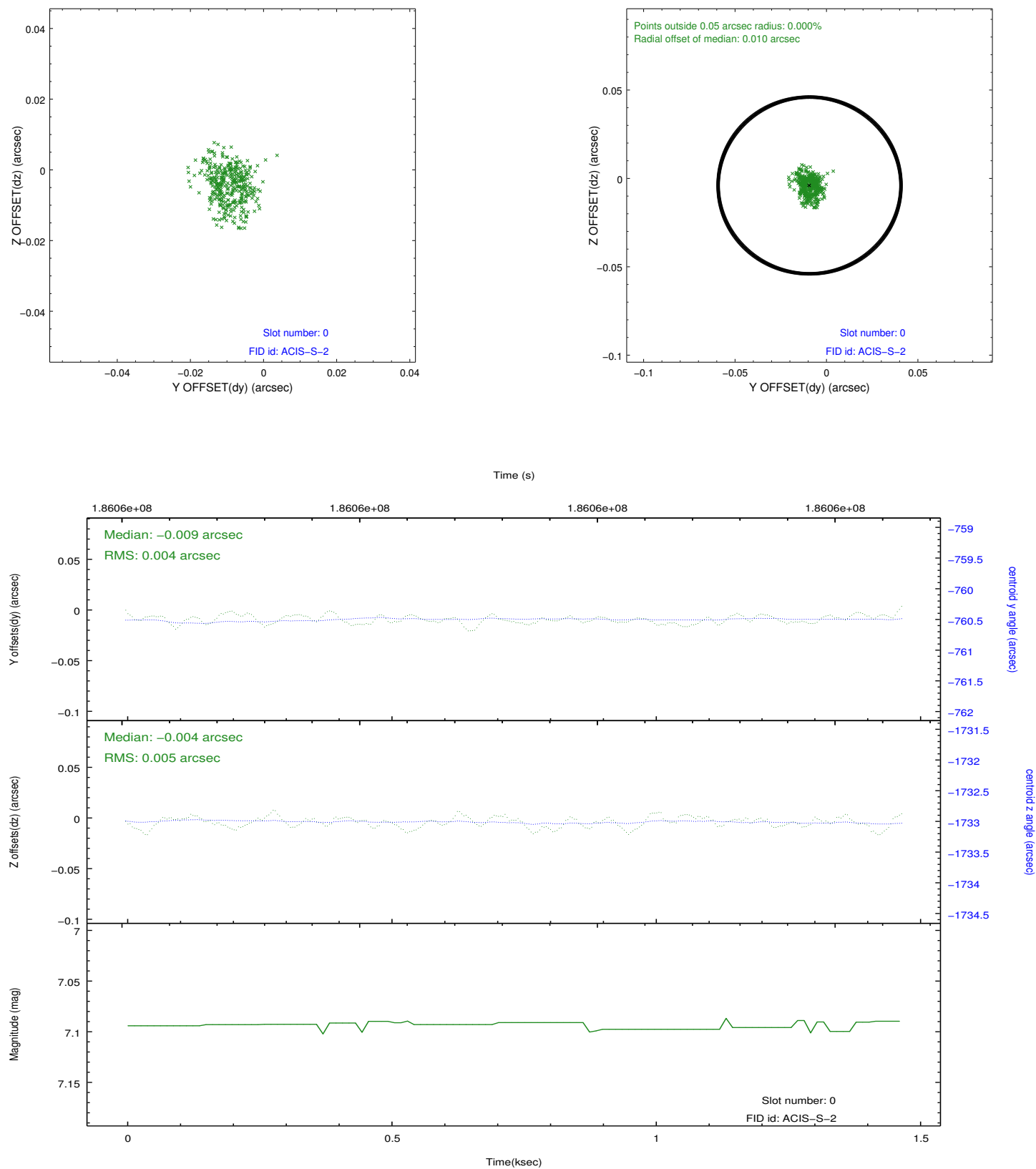


2.4.5 Slot 7

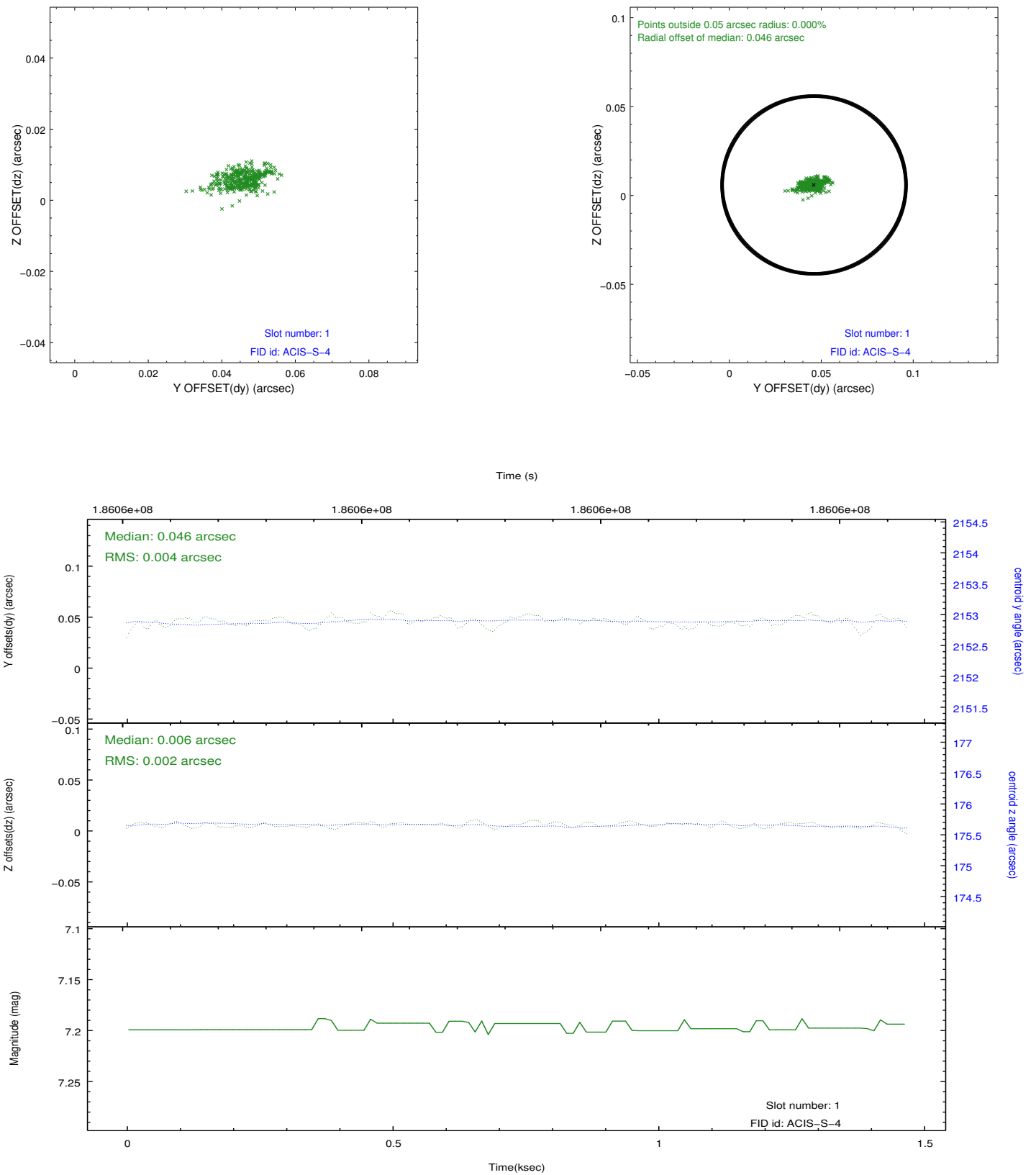


2.5 FID Slots

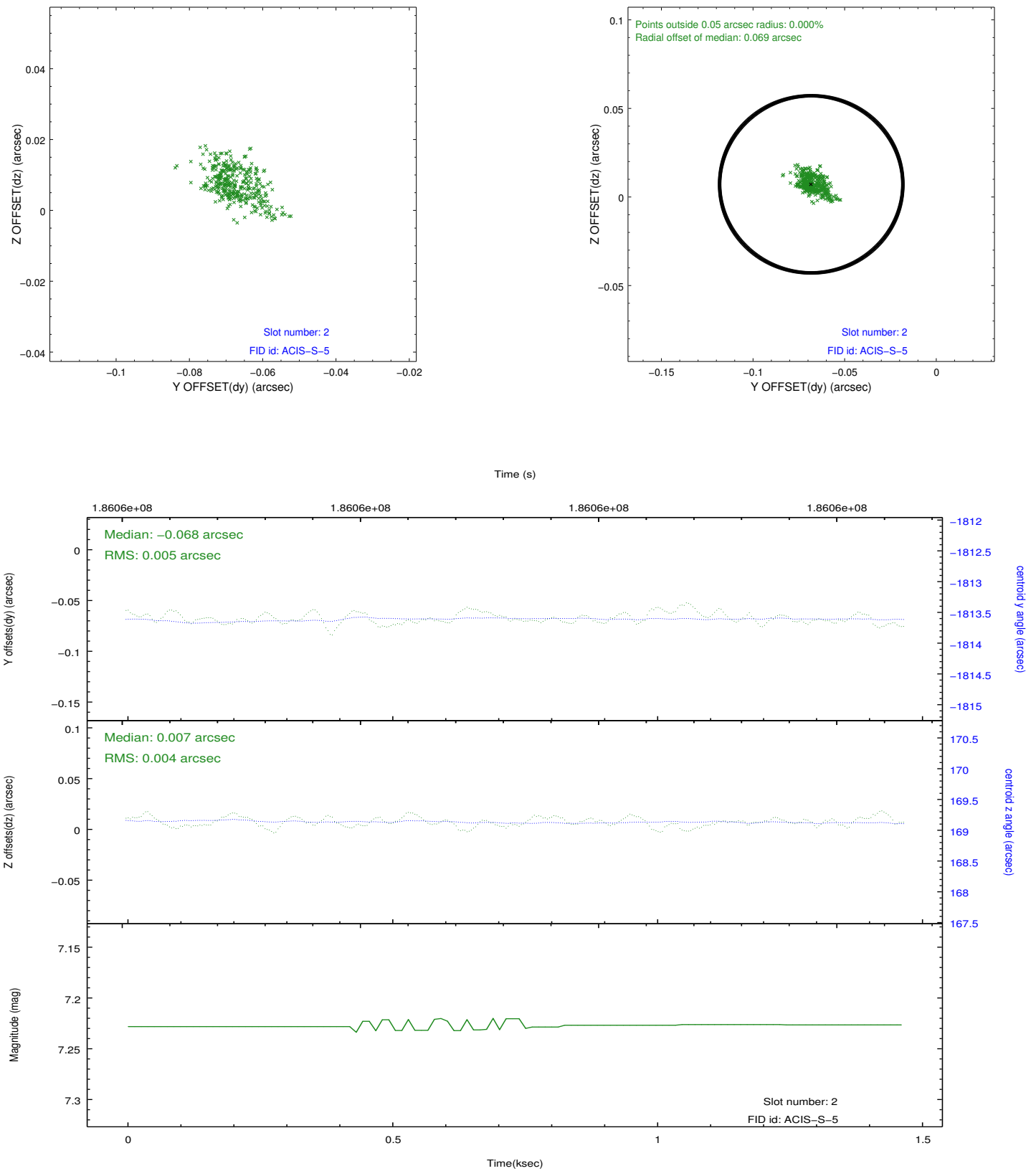
2.5.1 Slot 0



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.