

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5279 - L2 Version 3
Chandra X-Ray Center

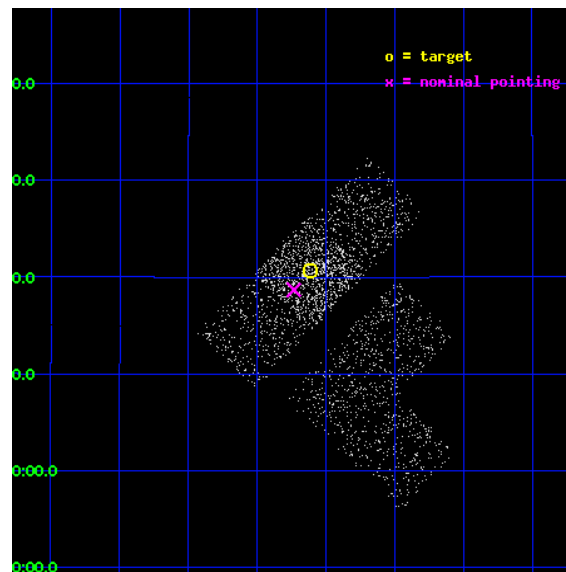
L2 Processing Date : Nov 8 2012

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1 Front

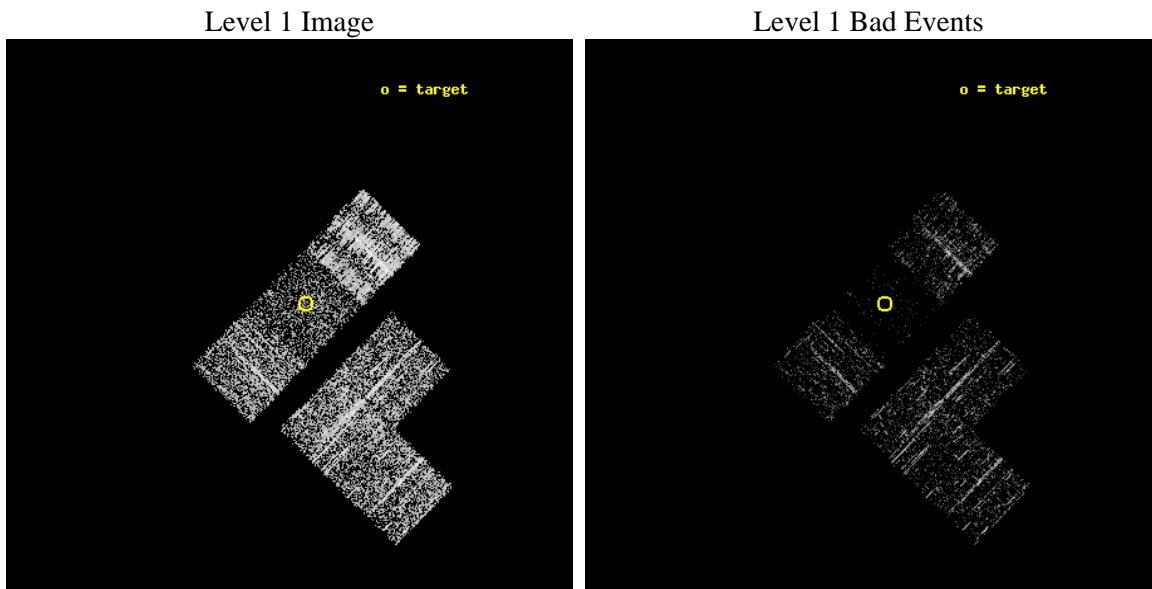
seq_num	100051	Sequence number
obs_id	5279	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.15375	Observer's specified target RA [deg]
dec_targ	16.34353	Observer's specified target Dec [deg]
ra_nom	287.18348776495	Nominal RA [deg]
dec_nom	16.311493633569	Nominal Dec [deg]
roll_nom	314.14826739568	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	1465.5590342879	Sum of GTIs [s]
ontime3	1468.7999945283	Sum of GTIs [s]
ontime6	1465.5589943528	Sum of GTIs [s]
ontime7	1468.7999945283	Sum of GTIs [s]
ontime8	1468.7999945283	Sum of GTIs [s]
l2events	2776	Number of level 2 events



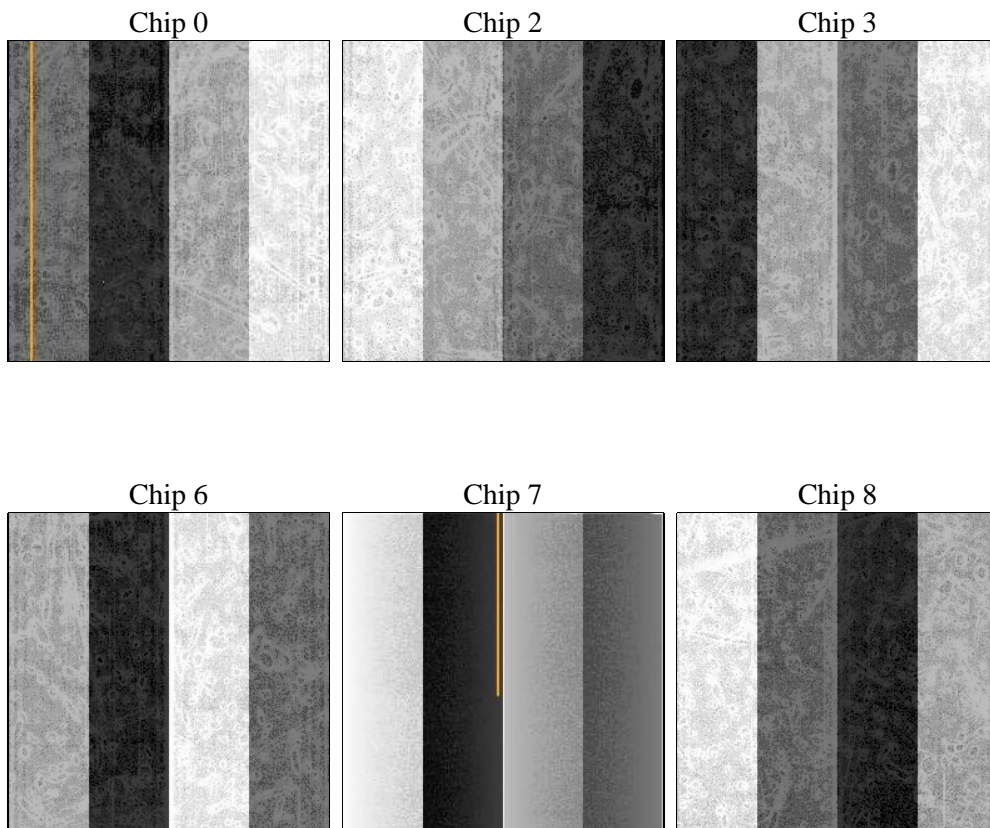
2 OBI

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	2012-11-08T03:05:33	Date and time of file creation	ontime2	1465.5590342879	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1468.7999945283	Sum of GTIs [s]
			ontime6	1465.5589943528	Sum of GTIs [s]
			ontime7	1468.7999945283	Sum of GTIs [s]
			ontime8	1468.7999945283	Sum of GTIs [s]
			l1events	38436	Number of level 1 events

2.1.4 Events

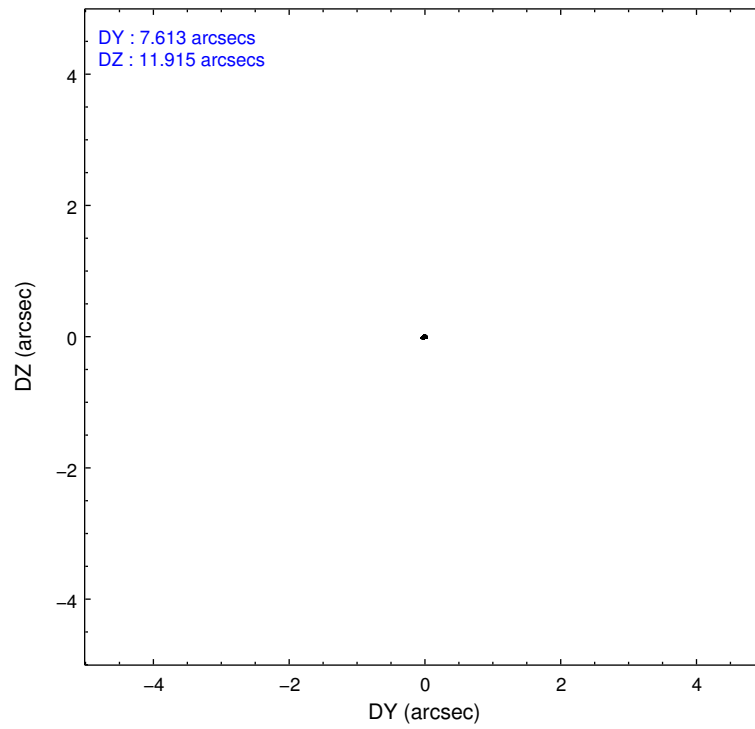
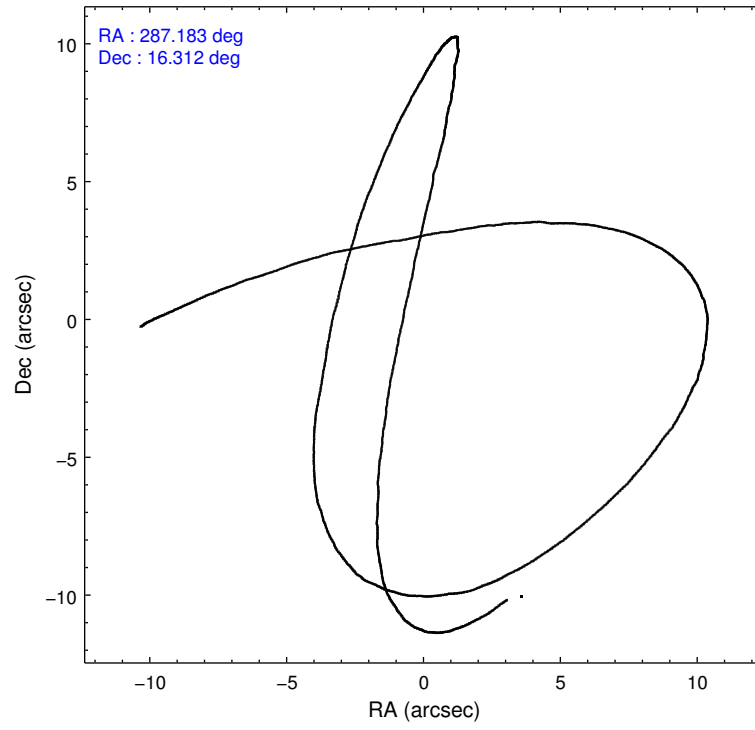
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	6187	6988	6239	5636	2190	11196
rejected events	5788	6491	5851	5141	986	6402
rejected %	93%	92%	93%	91%	45%	57%

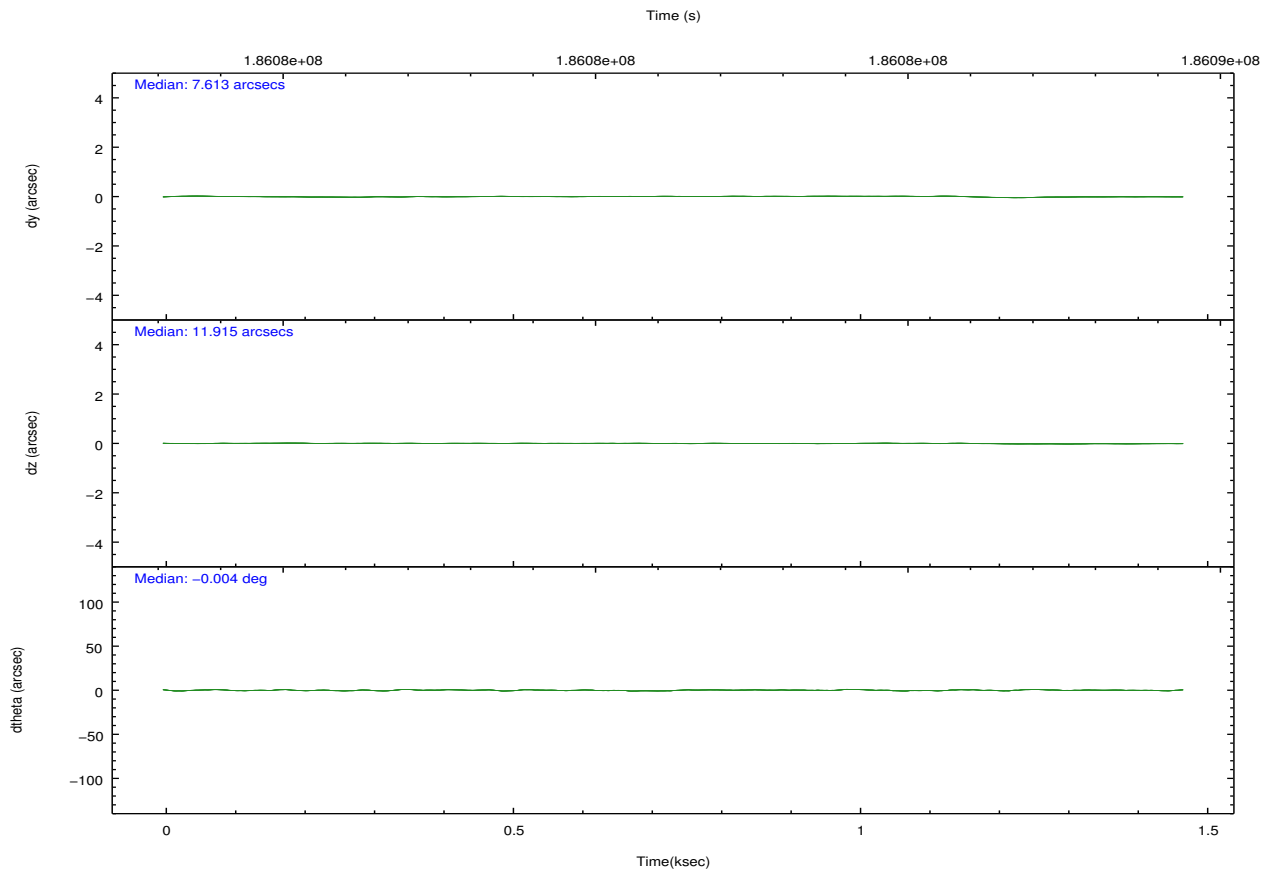
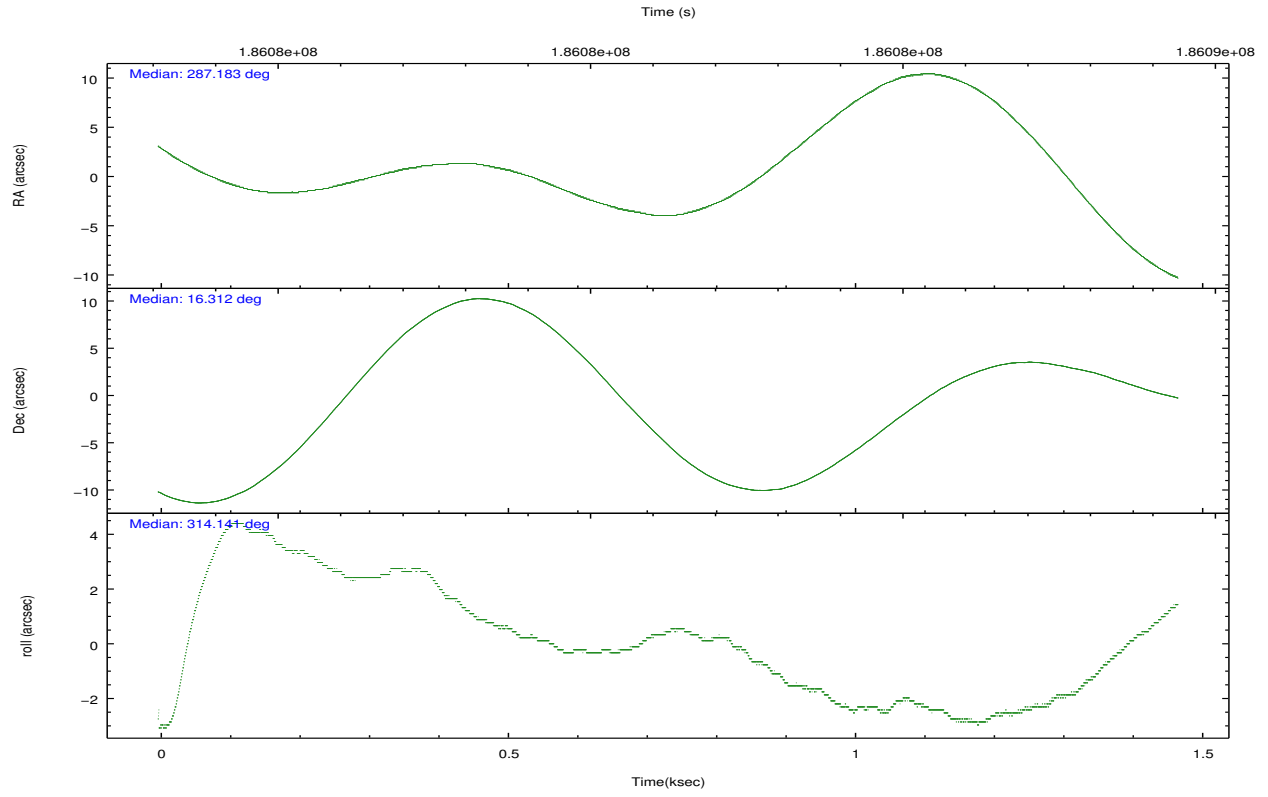
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	227	290	223	305	353	1660
	3%	4%	3%	5%	16%	14%
grade 1 events	6	5	2	5	7	22
	0%	0%	0%	0%	0%	0%
grade 2 events	131	170	96	155	413	861
	2%	2%	1%	2%	18%	7%
grade 3 events	61	44	56	48	173	921
	0%	0%	0%	0%	7%	8%
grade 4 events	32	48	47	44	171	884
	0%	0%	0%	0%	7%	7%
grade 5 events	59	52	42	47	147	149
	0%	0%	0%	0%	6%	1%
grade 6 events	51	57	50	57	414	1241
	0%	0%	0%	1%	18%	11%
grade 7 events	5620	6322	5723	4975	512	5458
	90%	90%	91%	88%	23%	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	287.156127	287.1834877649457	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.318620	16.31149363356919	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999329	314.1482673956845	[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)	186084064.184000	186083687.35821			
Observation start date	2003-11-24T18:00:00	2003-11-24T17:54:47			
[s] Observation end time (MET)	186085354.184000	186085487.77079			
Observation end date	2003-11-24T18:21:30	2003-11-24T18:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



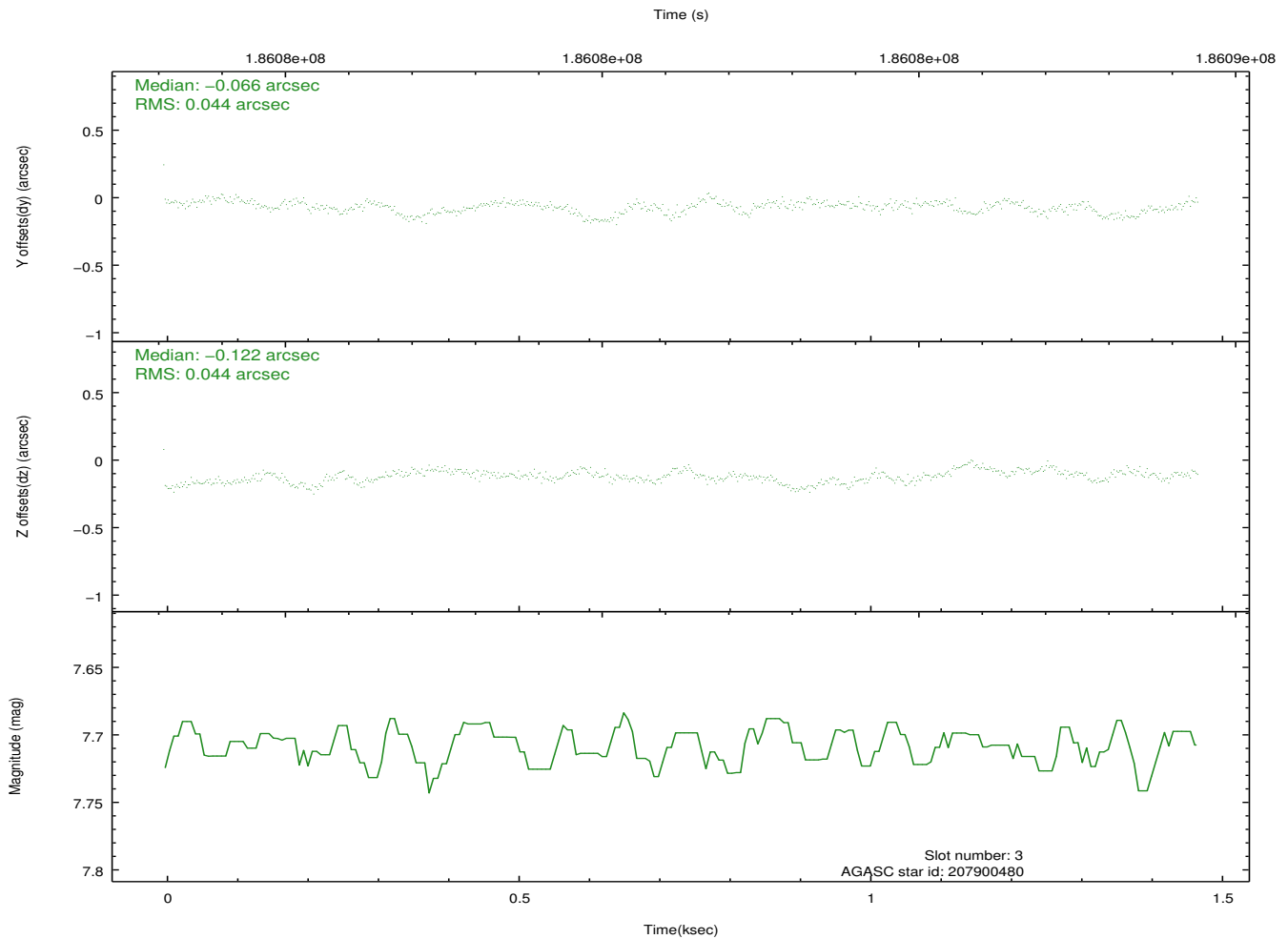
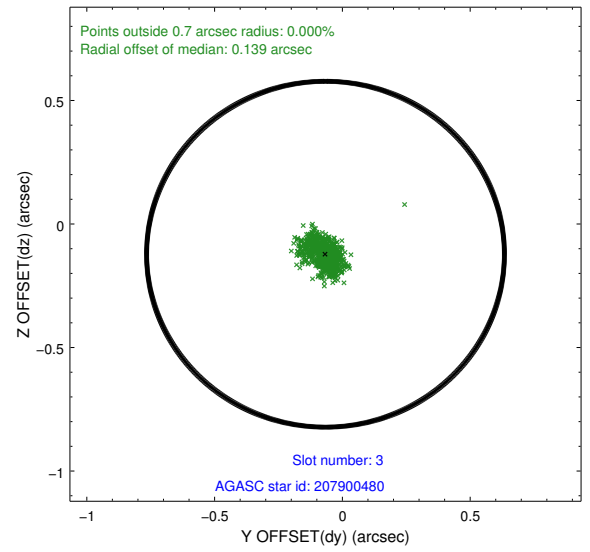
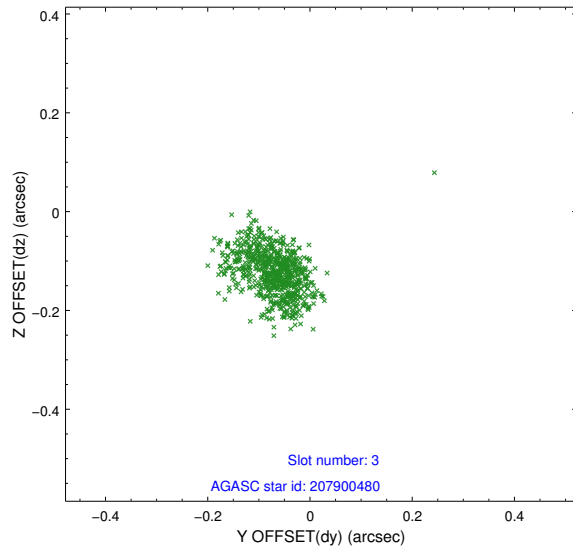


Slot Statistics

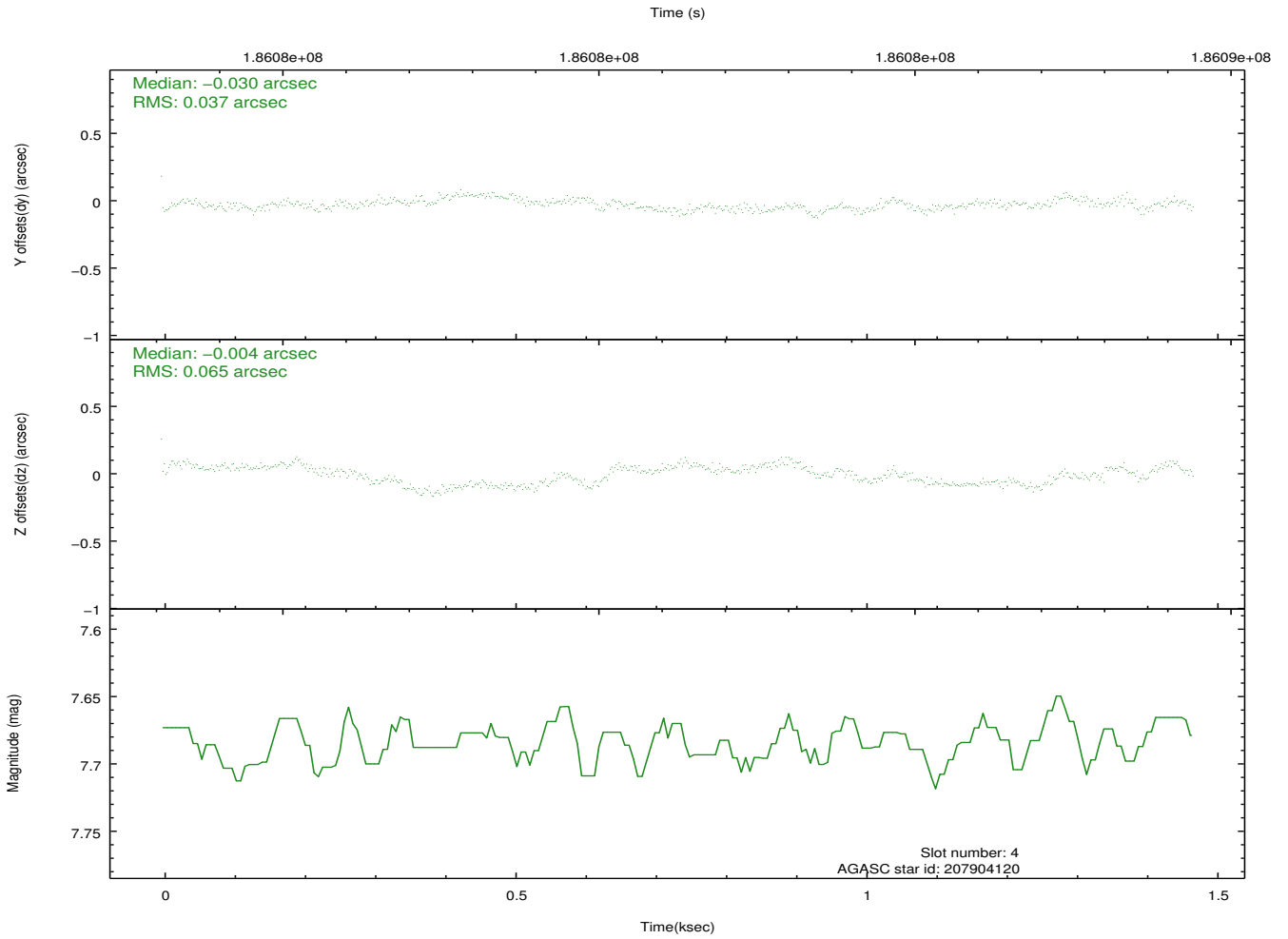
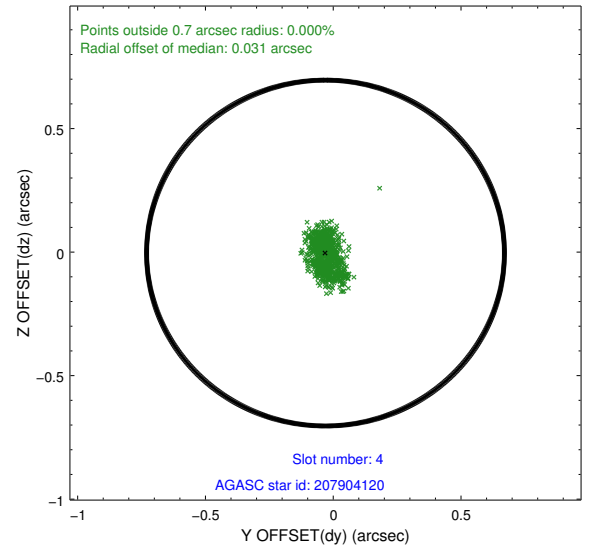
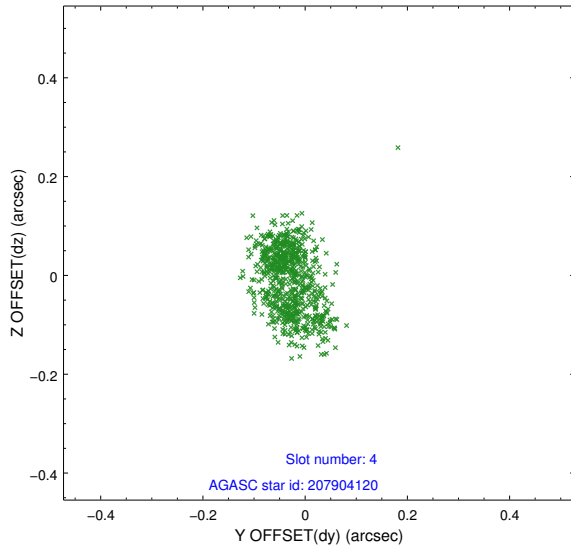
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	359	-0.008	-0.006	0.007	0.012	0.000000	0.000000	-760.38	-1733.22
1	FID	ACIS-S-4	7.19	359	0.036	0.005	0.005	0.009	0.000000	0.000000	2150.89	170.61
2	FID	ACIS-S-5	7.23	359	-0.058	0.009	0.006	0.010	0.000000	0.000000	-1807.49	169.41
3	GUIDE	207900480	7.71	718	-0.066	-0.122	0.065	0.106	286.932282	16.070409	104.95	-1177.04
4	GUIDE	207904120	7.69	718	-0.030	-0.004	0.079	0.125	286.904195	16.289988	-530.45	-698.73
5	GUIDE	207916440	6.83	718	-0.109	0.077	0.057	0.101	287.167522	16.851310	-1352.73	1359.38
6	GUIDE	208416976	8.37	718	-0.030	0.032	0.083	0.153	287.326965	17.073967	-1549.78	2313.96
7	GUIDE	207907984	9.35	717	0.233	0.032	0.086	0.138	287.467981	15.973007	1642.57	-83.40

2.4 Star Slots

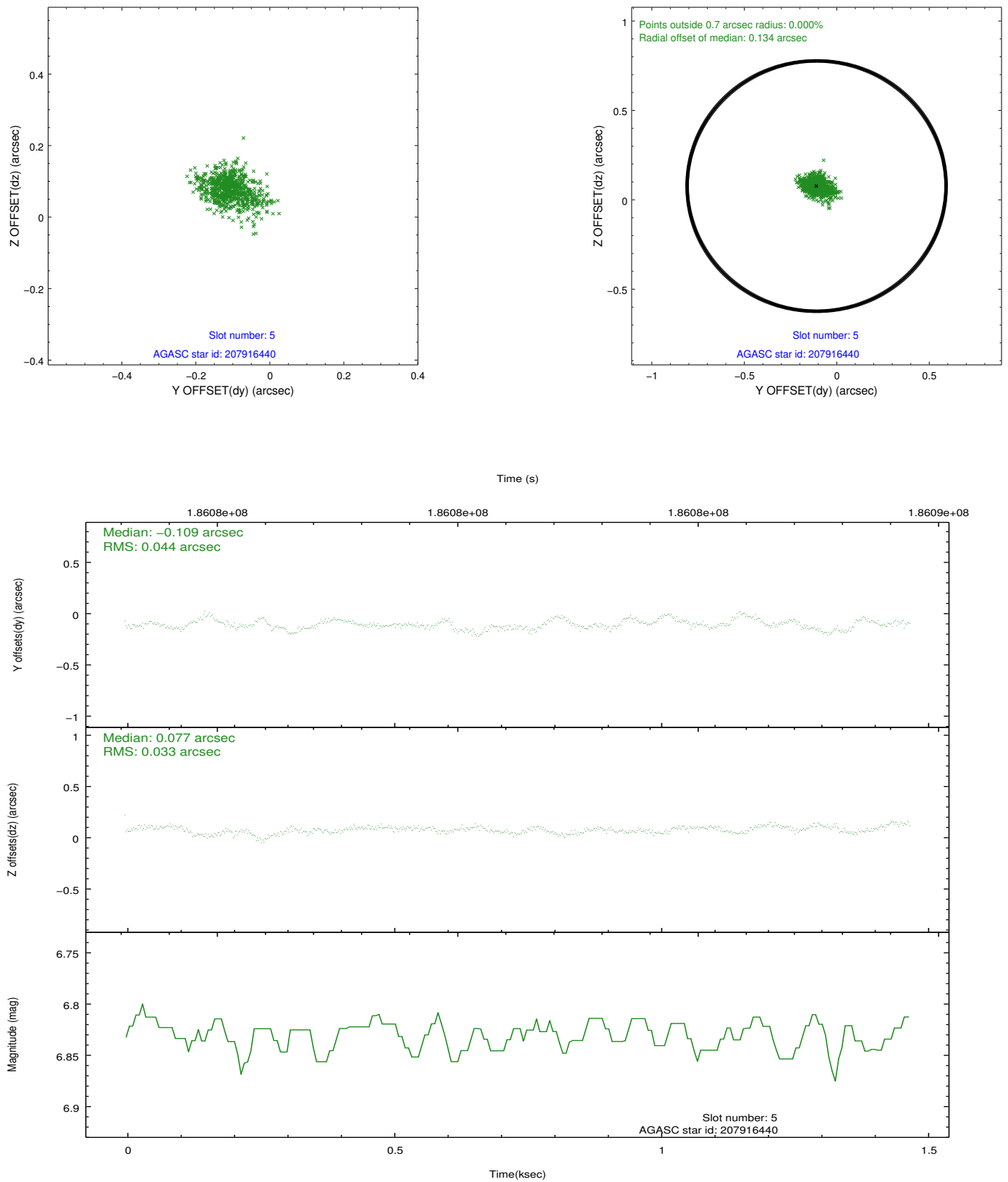
2.4.1 Slot 3



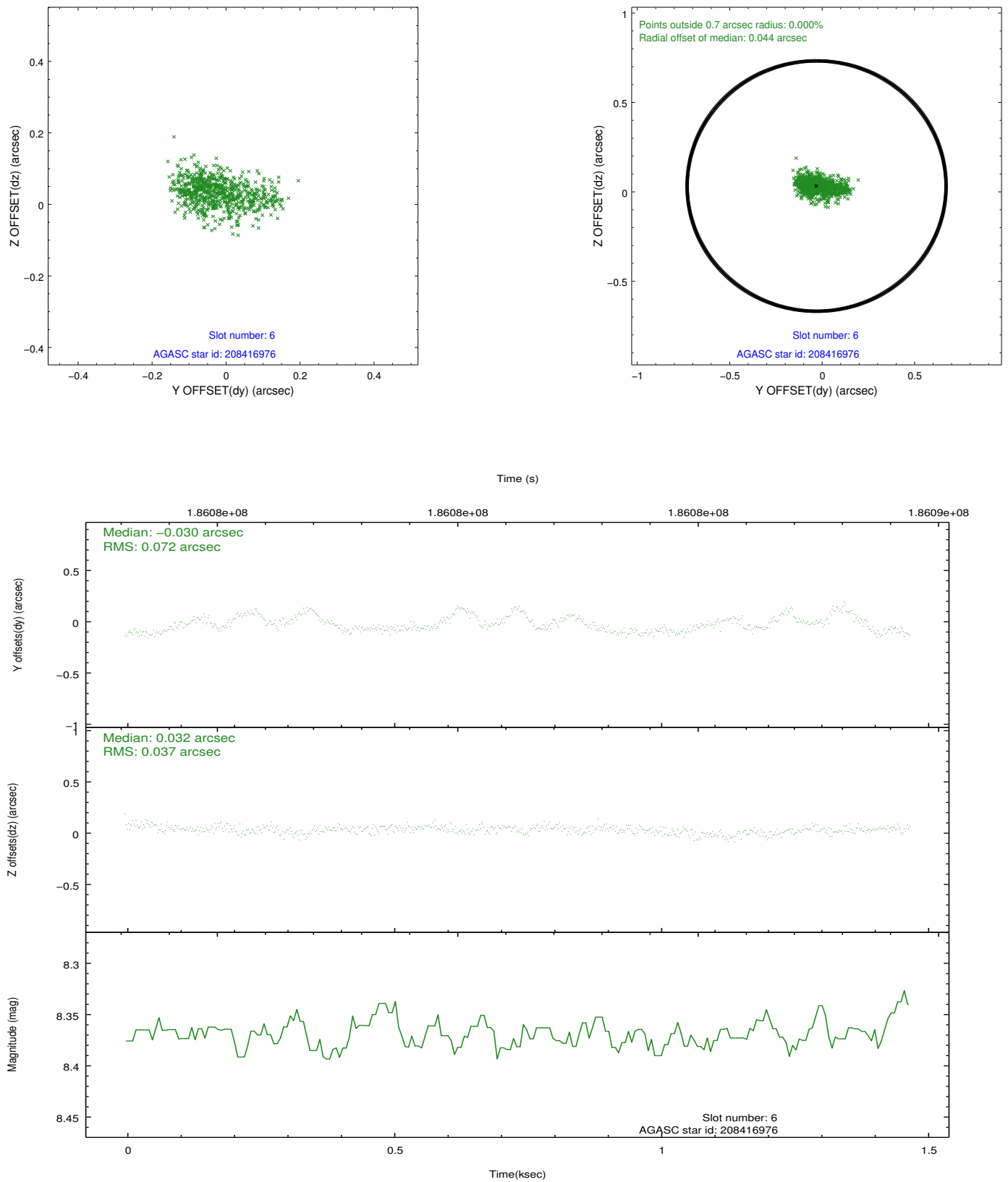
2.4.2 Slot 4



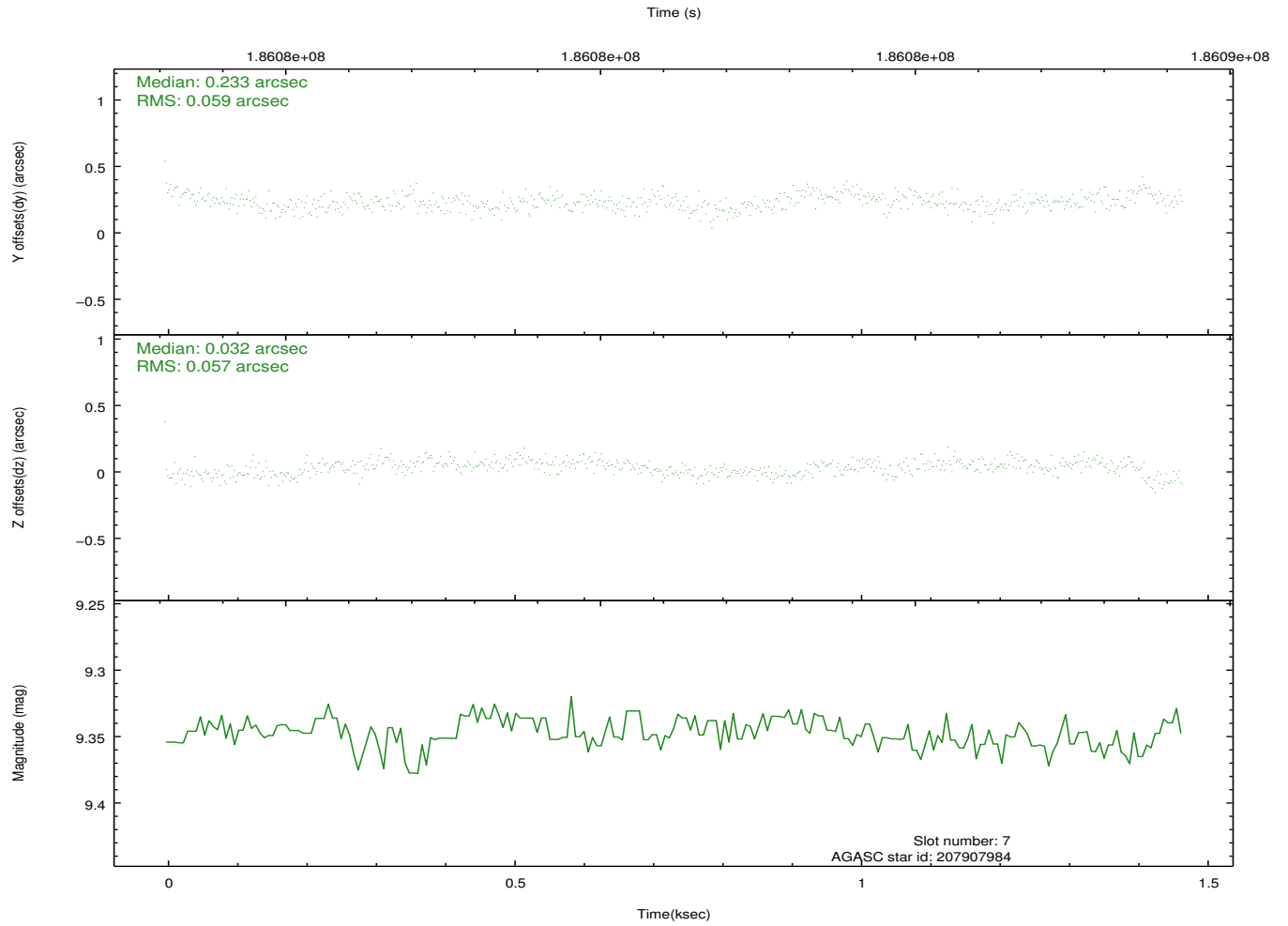
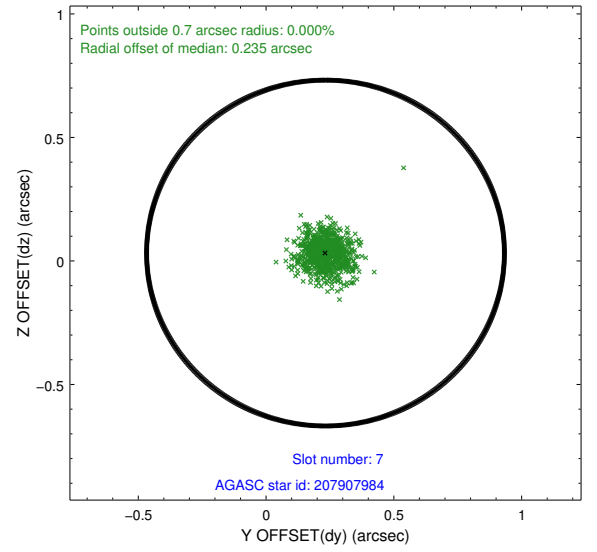
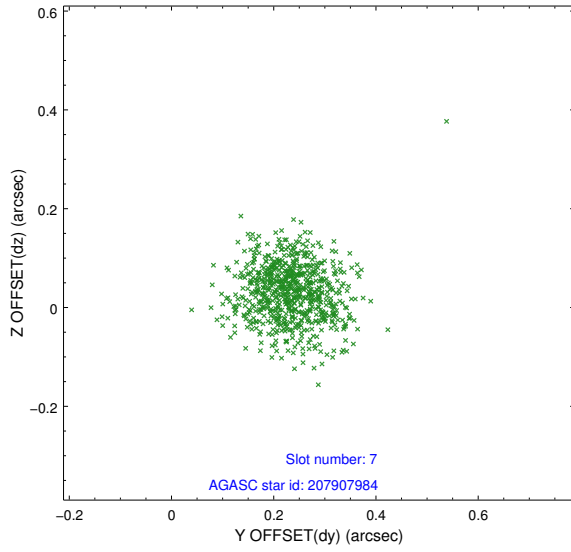
2.4.3 Slot 5



2.4.4 Slot 6

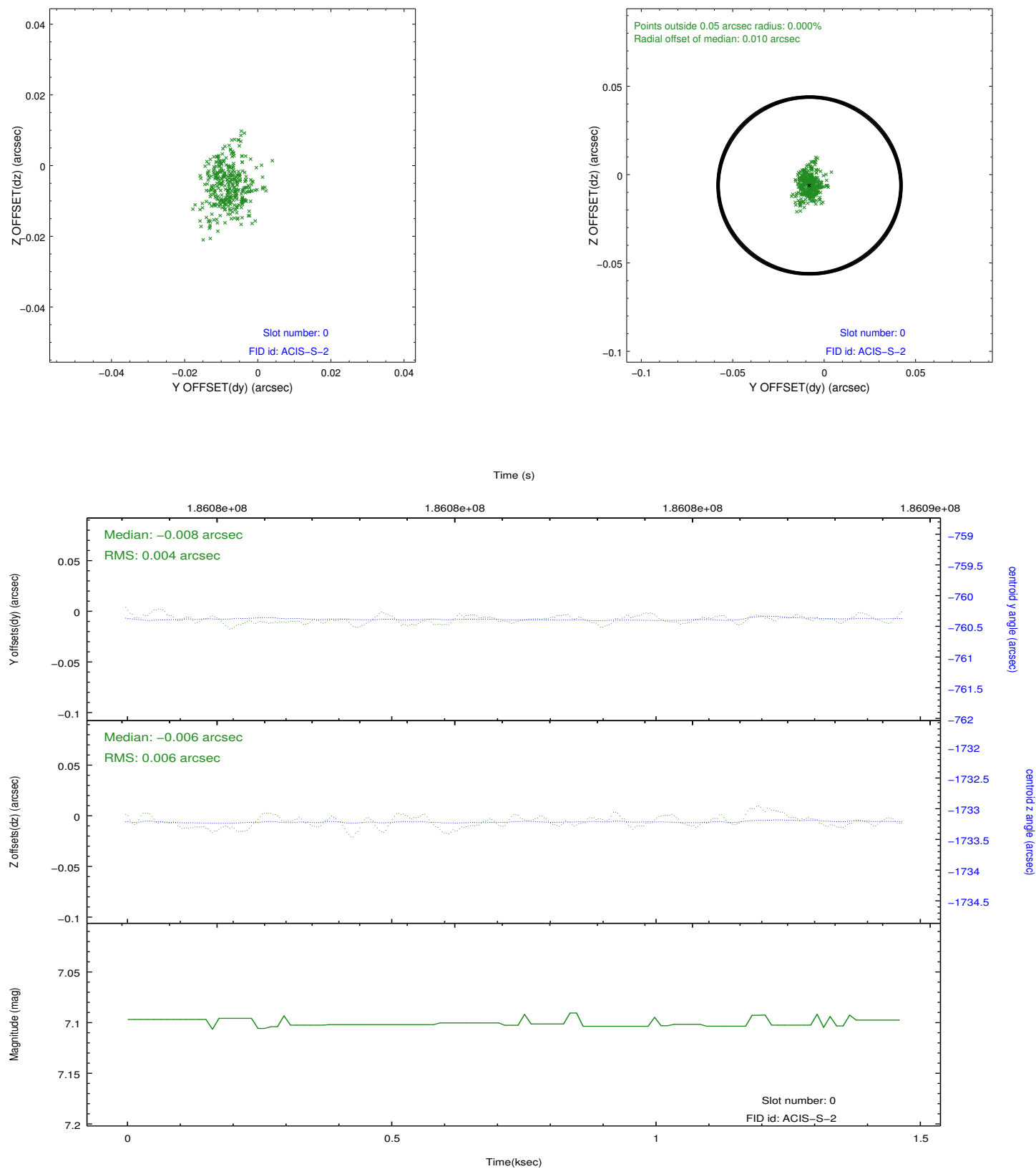


2.4.5 Slot 7

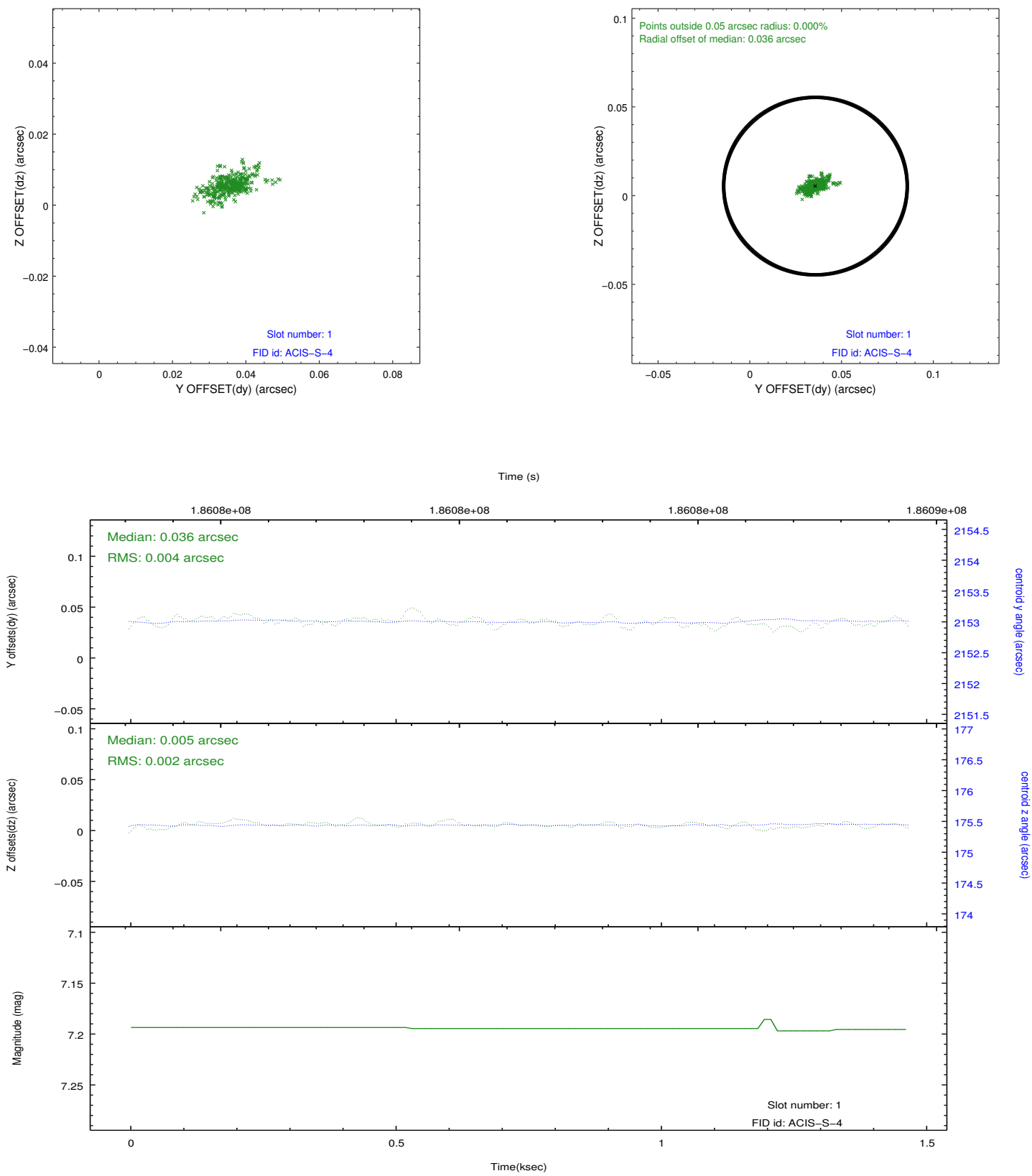


2.5 FID Slots

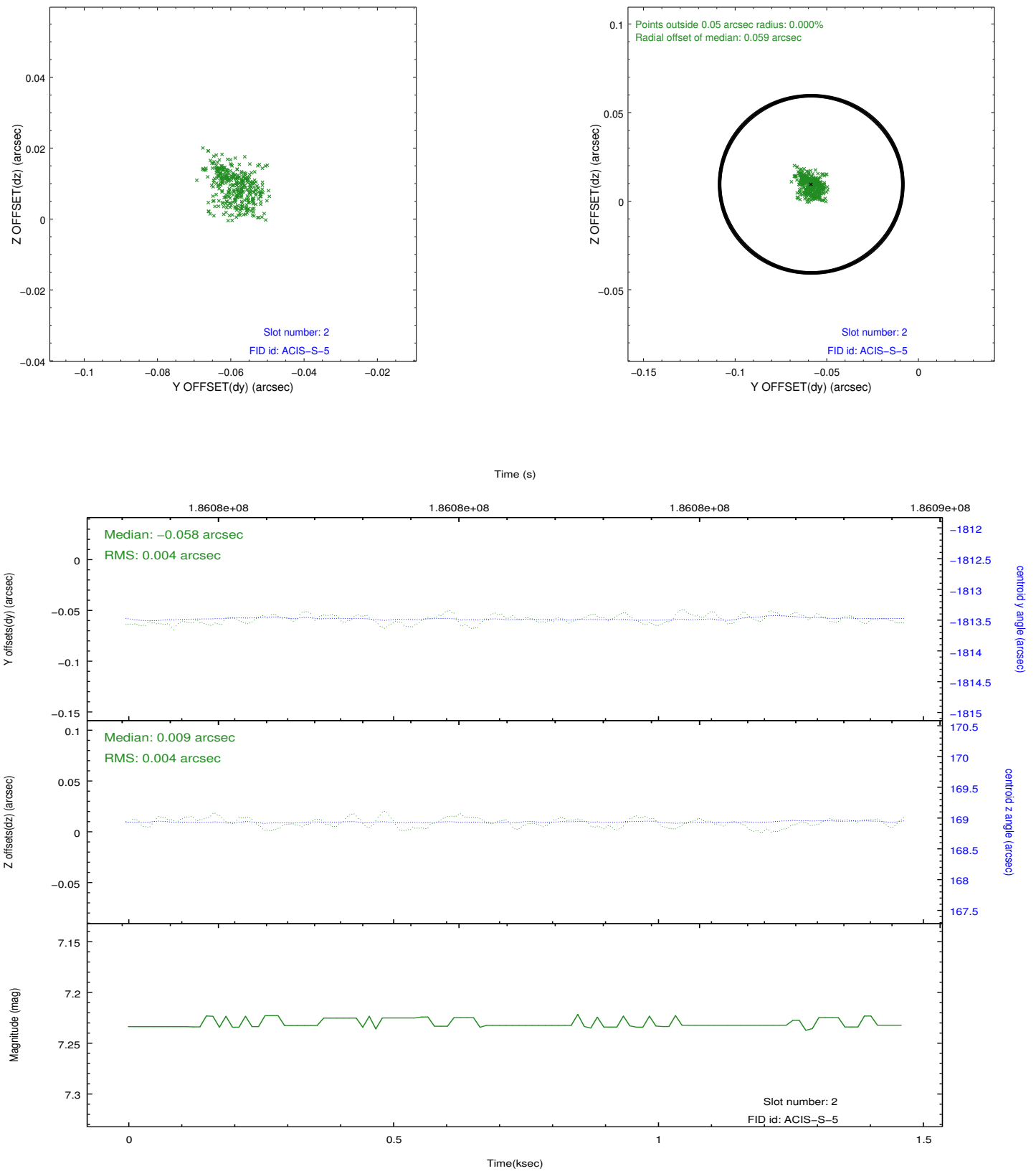
2.5.1 Slot 0



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.