

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5277 - L2 Version 3
Chandra X-Ray Center

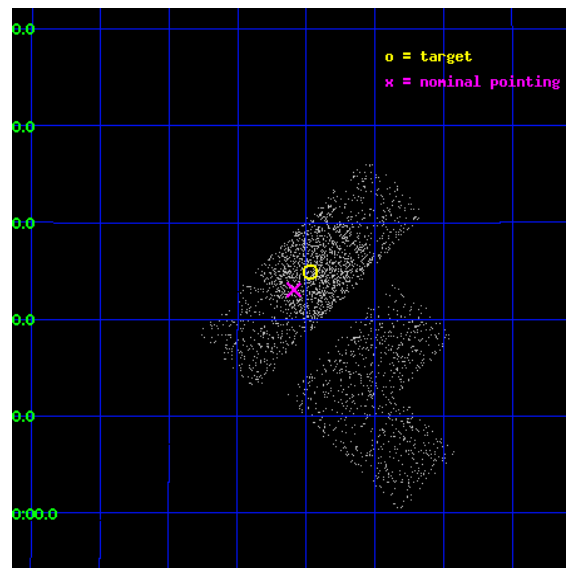
L2 Processing Date : Nov 8 2012

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1 Front

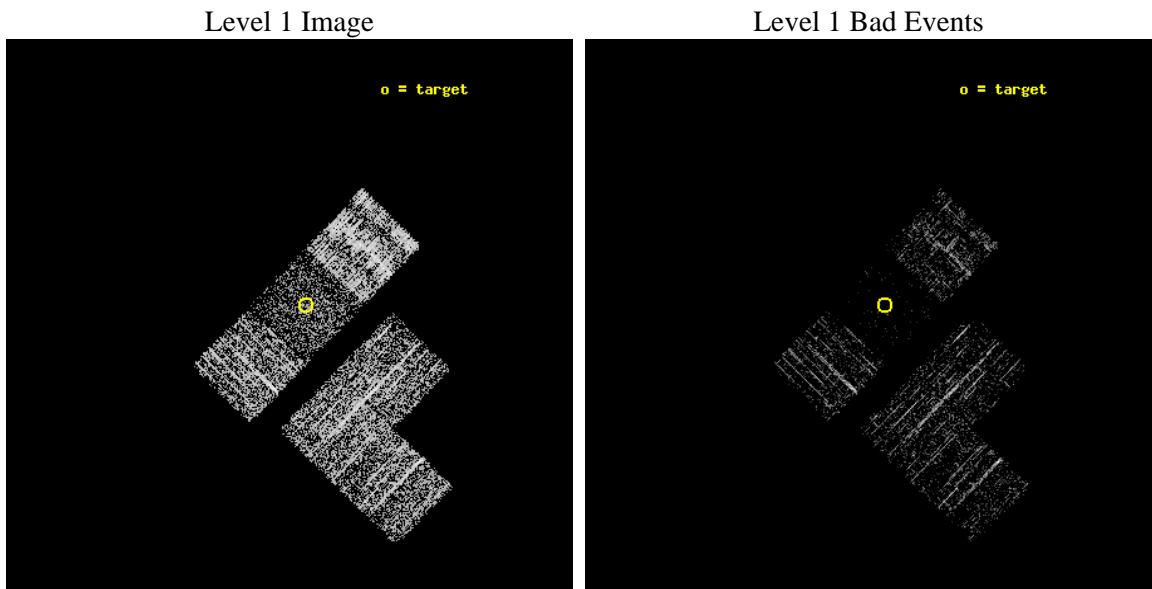
seq_num	100051	Sequence number
obs_id	5277	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.24301	Observer's specified target RA [deg]
dec_targ	16.41628	Observer's specified target Dec [deg]
ra_nom	287.27257340341	Nominal RA [deg]
dec_nom	16.384474842405	Nominal Dec [deg]
roll_nom	314.14827076849	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	2961	Number of level 2 events



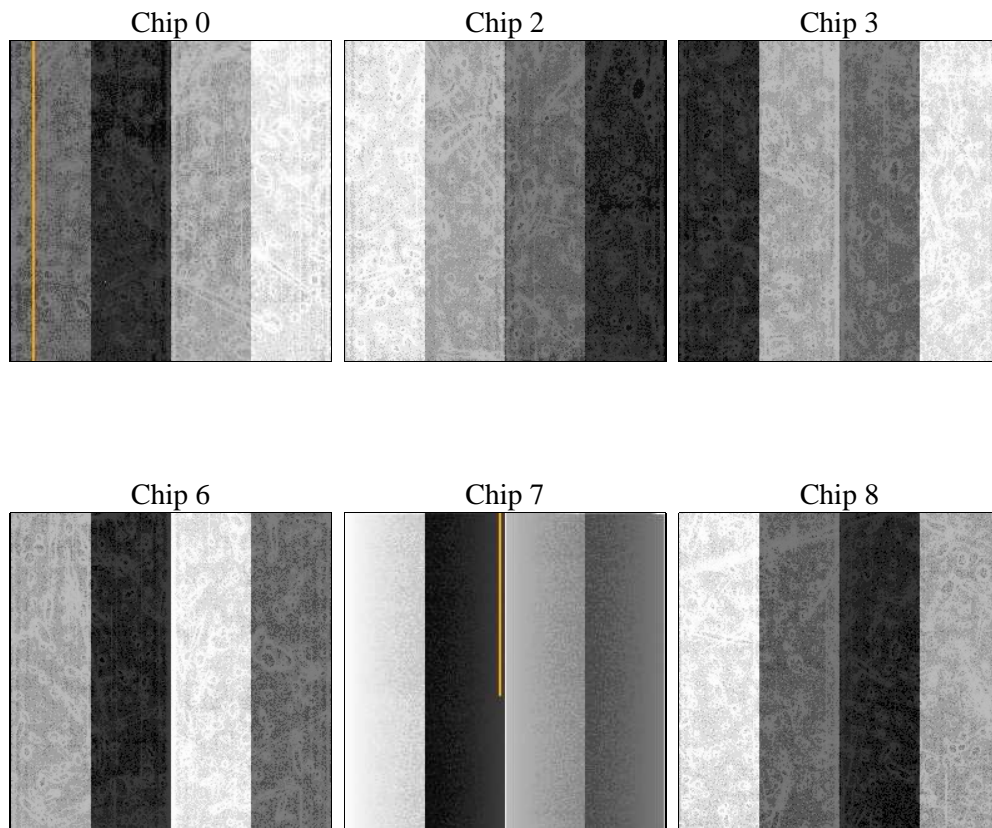
2 OBI

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	2012-11-08T03:03:37	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	38388	Number of level 1 events

2.1.4 Events

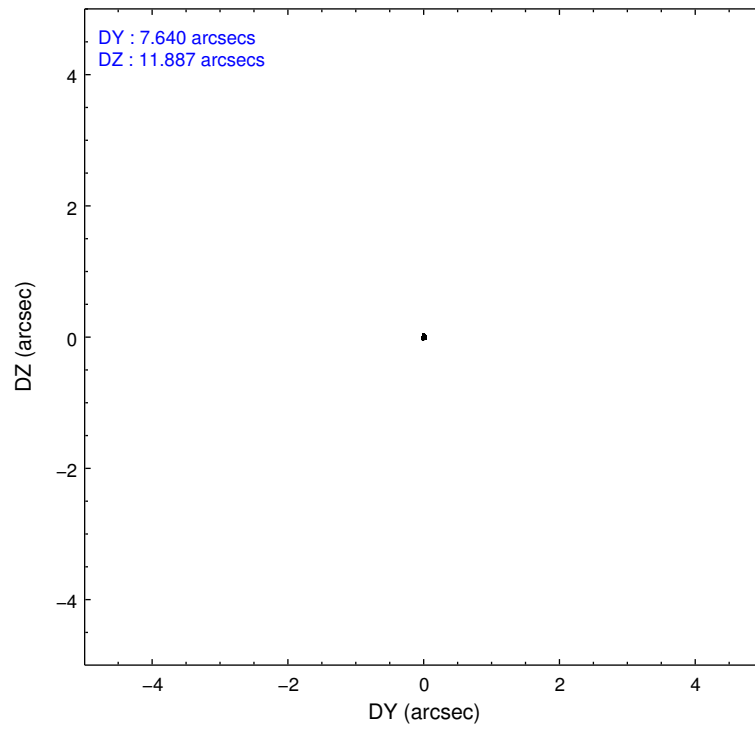
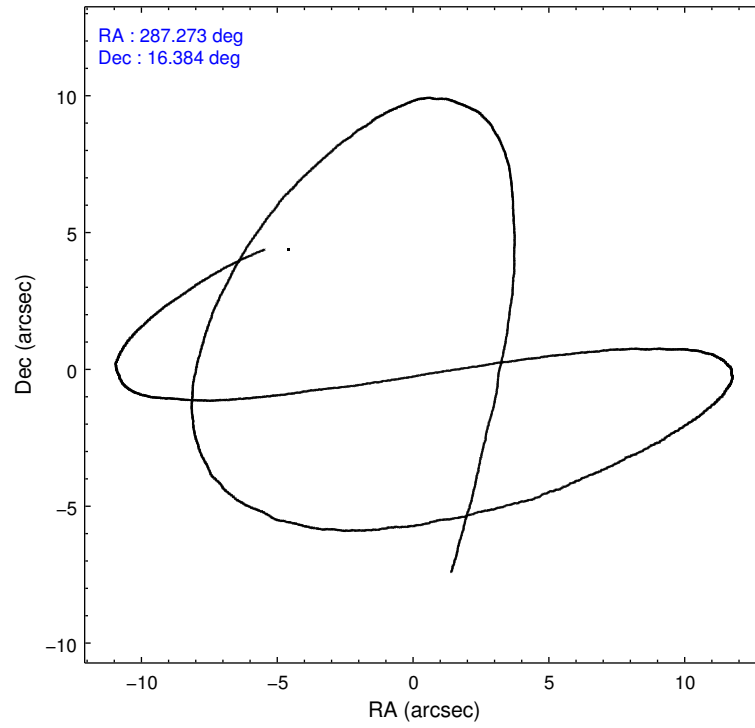
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5601	6770	5984	6317	2212	11504
rejected events	5155	6275	5630	5881	863	7125
rejected %	92%	92%	94%	93%	39%	61%

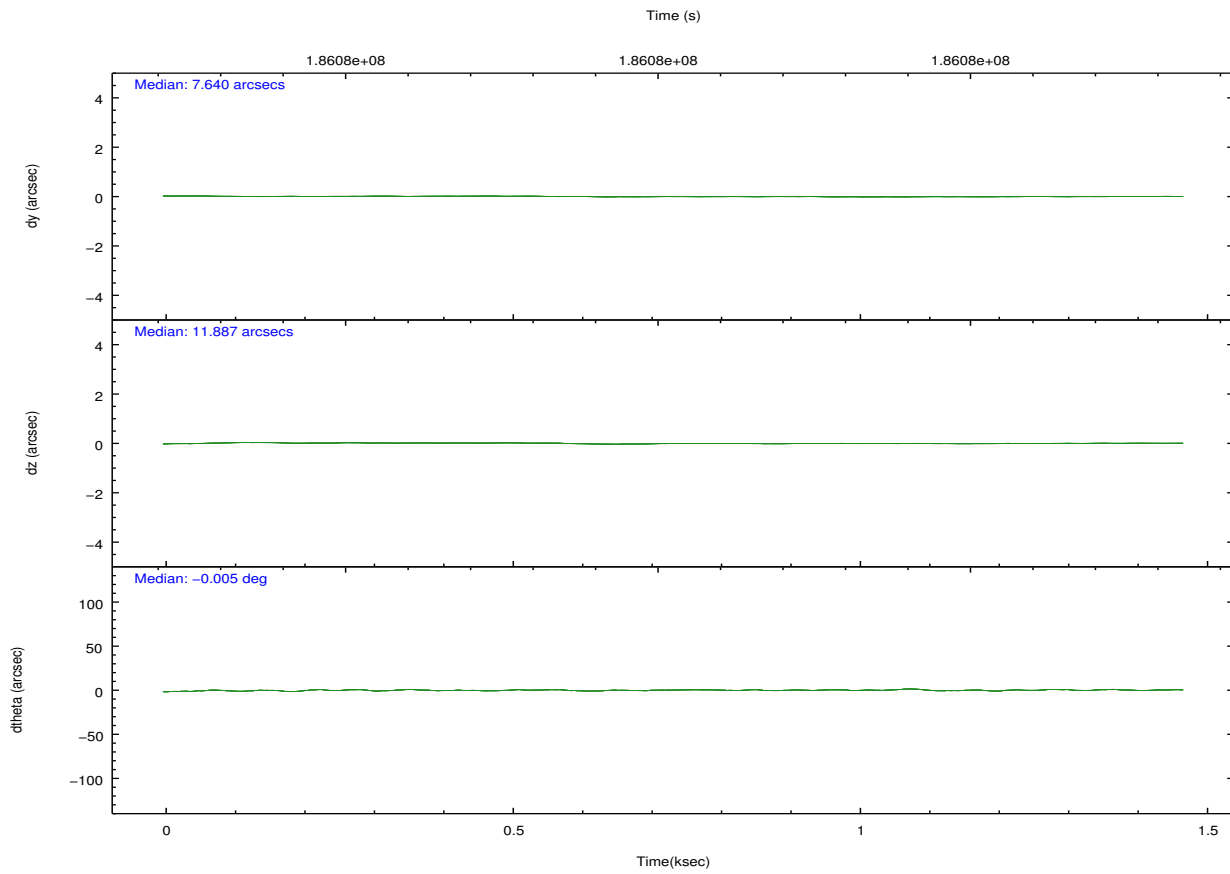
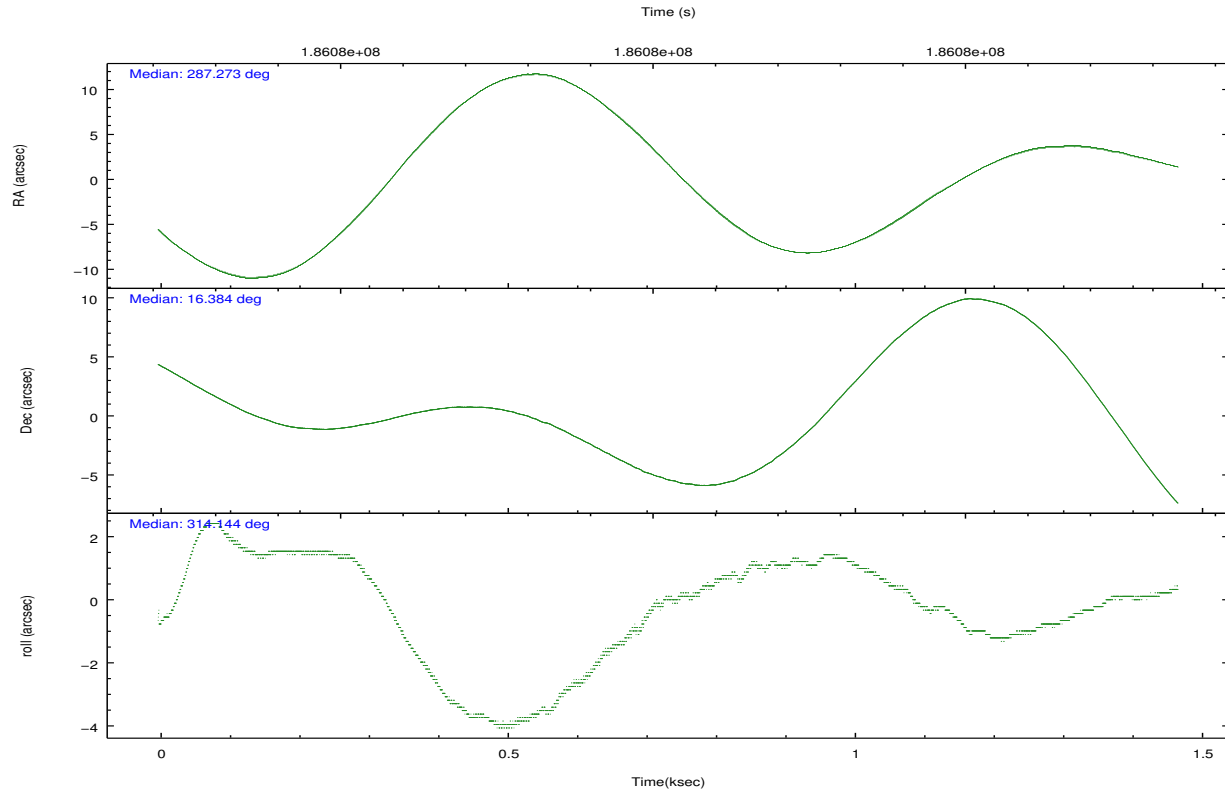
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	266	291	206	256	363	1558
	4%	4%	3%	4%	16%	13%
grade 1 events	5	2	2	4	8	11
	0%	0%	0%	0%	0%	0%
grade 2 events	136	140	75	128	444	808
	2%	2%	1%	2%	20%	7%
grade 3 events	62	49	44	48	187	872
	1%	0%	0%	0%	8%	7%
grade 4 events	60	61	43	49	163	819
	1%	0%	0%	0%	7%	7%
grade 5 events	49	33	56	64	162	163
	0%	0%	0%	1%	7%	1%
grade 6 events	40	53	49	55	491	1255
	0%	0%	0%	0%	22%	10%
grade 7 events	4983	6141	5509	5713	394	6018
	88%	90%	92%	90%	17%	52%

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	287.245383	287.2725734034149	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.391373	16.38447484240549	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999324	314.1482707684948	[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)	186080464.184000	186080087.55806			
Observation start date	2003-11-24T17:00:00	2003-11-24T16:54:47			
[s] Observation end time (MET)	186081754.184000	186081887.45813			
Observation end date	2003-11-24T17:21:30	2003-11-24T17:24:47			
Read mode	TIMED	TIMED			

2.3 Aspect



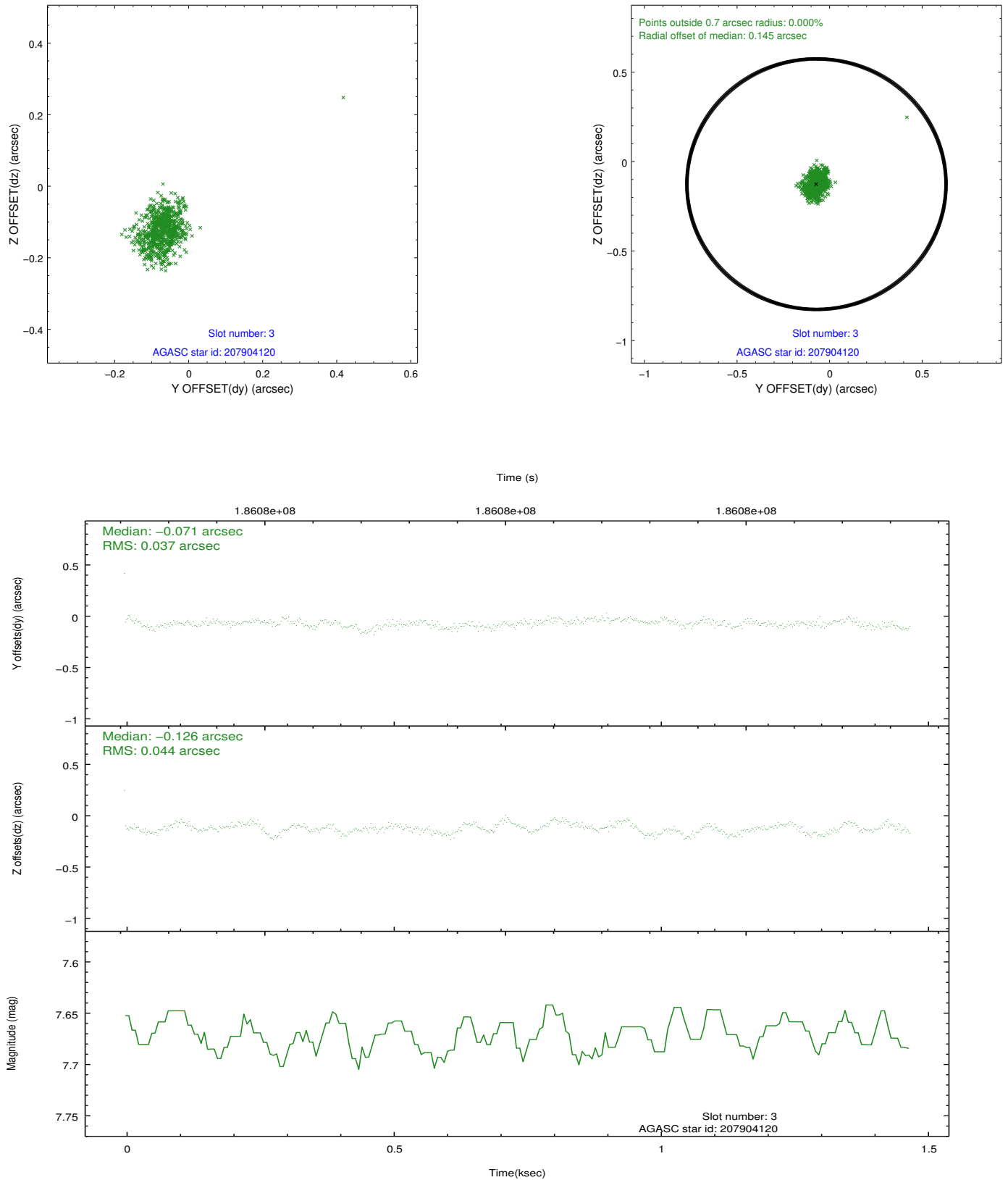


Slot Statistics

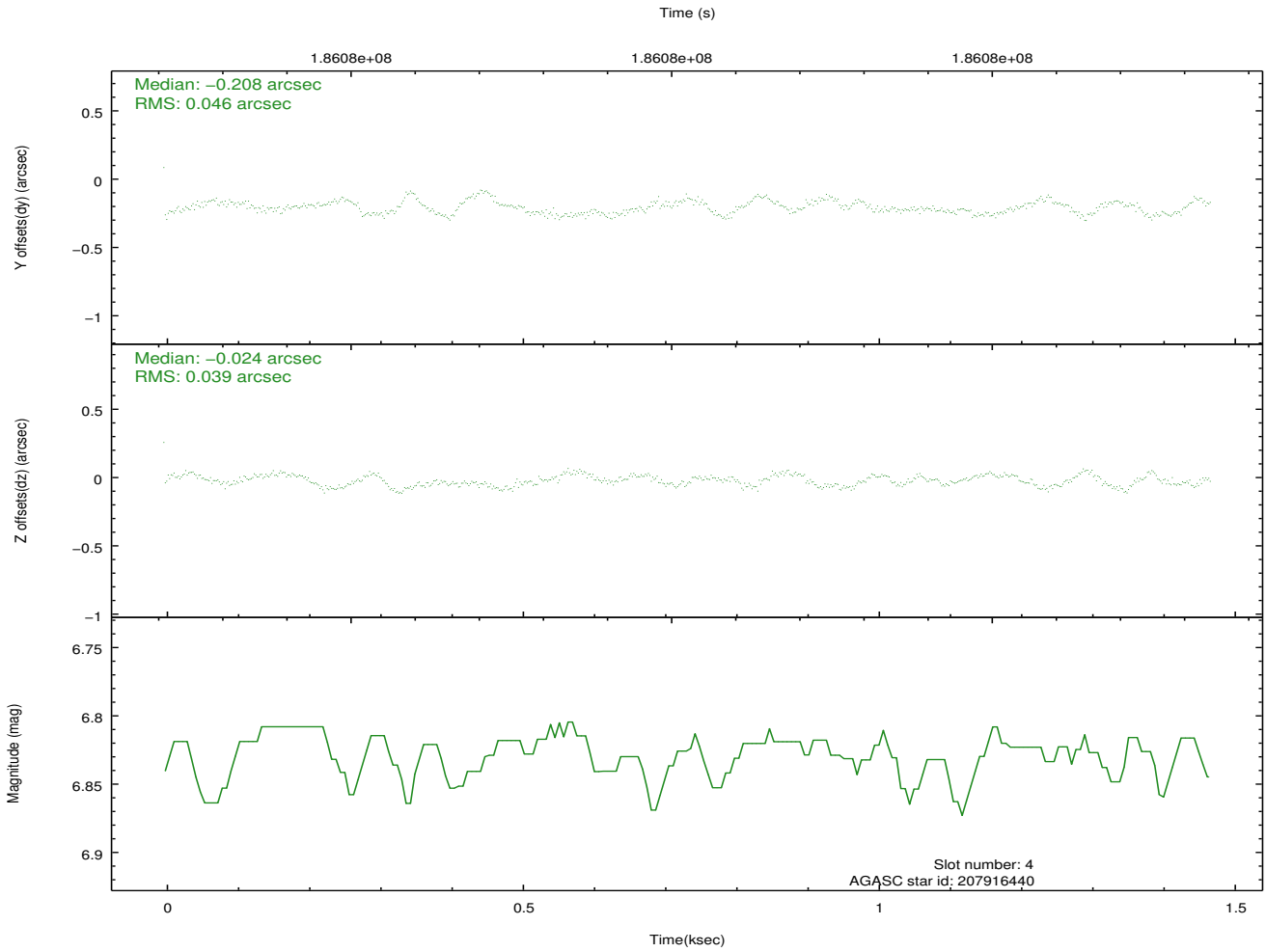
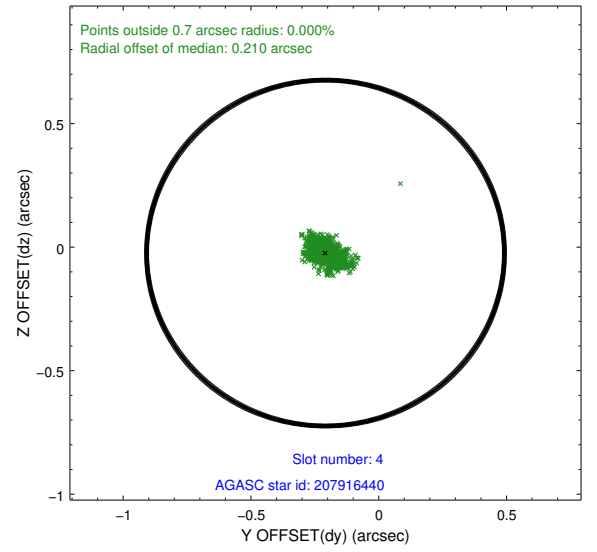
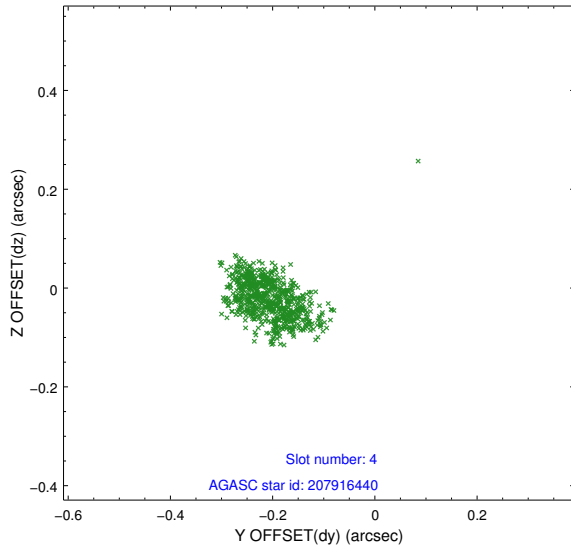
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	359	0.005	-0.012	0.006	0.011	0.000000	0.000000	-760.38	-1733.21
1	FID	ACIS-S-5	7.23	359	-0.019	0.024	0.007	0.011	0.000000	0.000000	-1815.59	164.12
2	FID	ACIS-S-6	7.34	359	-0.011	-0.004	0.006	0.012	0.000000	0.000000	396.29	813.13
3	GUIDE	207904120	7.67	718	-0.071	-0.126	0.059	0.092	286.904195	16.289988	-555.98	-1100.94
4	GUIDE	207916440	6.83	718	-0.208	-0.024	0.063	0.096	287.167522	16.851310	-1377.19	955.39
5	GUIDE	208416976	8.35	718	-0.087	0.033	0.077	0.126	287.326965	17.073967	-1573.72	1910.17
6	GUIDE	208421840	9.23	718	0.050	-0.052	0.095	0.155	287.570311	16.918850	-590.43	2127.50
7	GUIDE	209596088	9.37	716	0.312	0.164	0.094	0.154	288.150718	16.305149	2391.73	2042.97

2.4 Star Slots

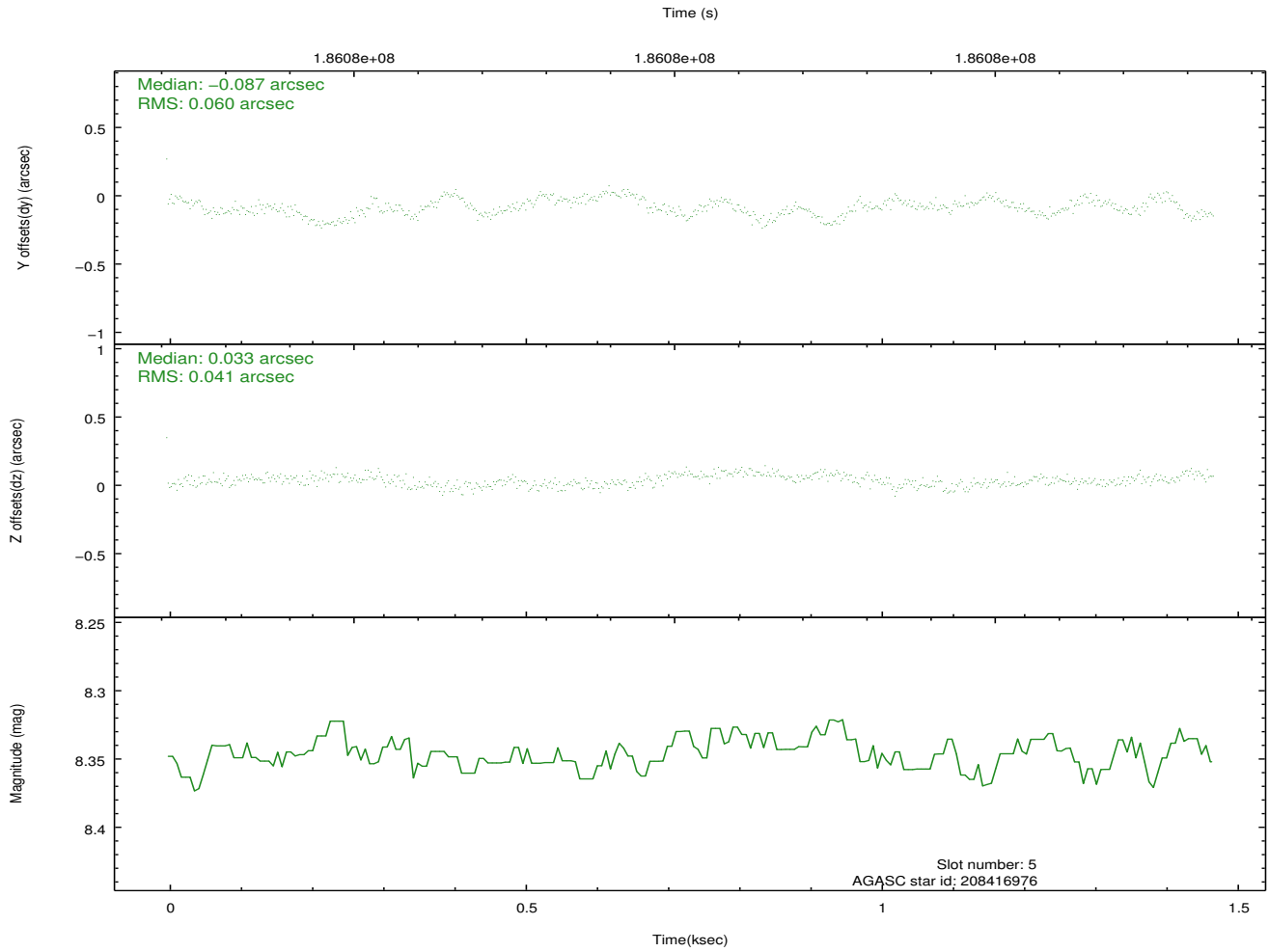
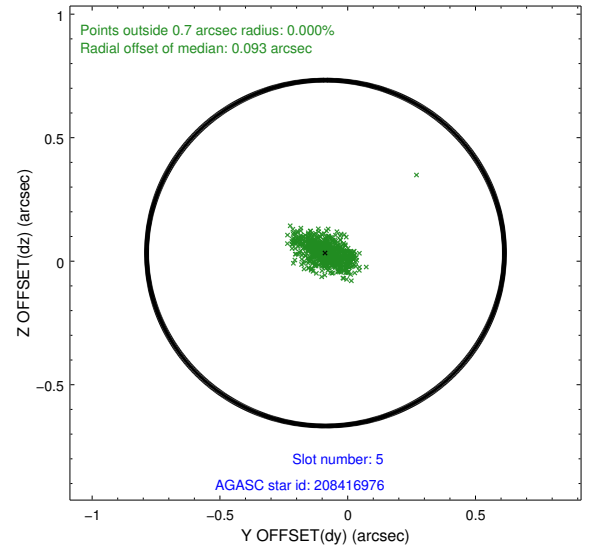
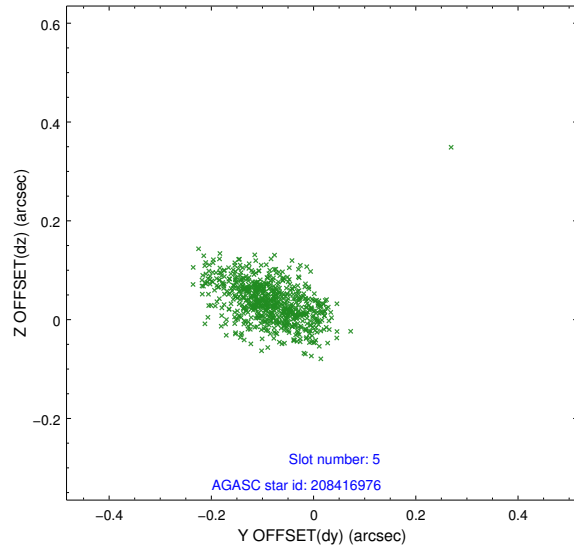
2.4.1 Slot 3



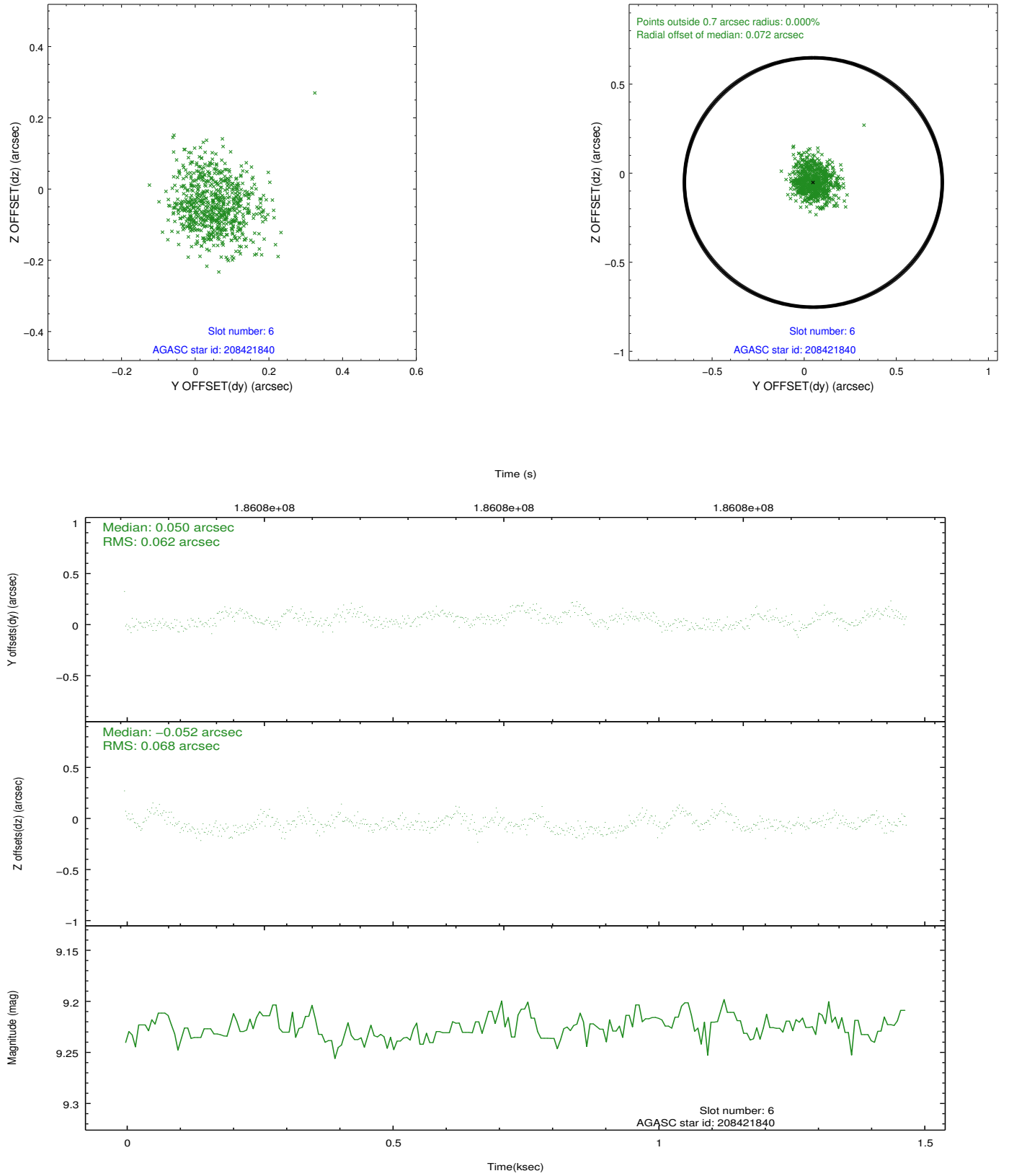
2.4.2 Slot 4



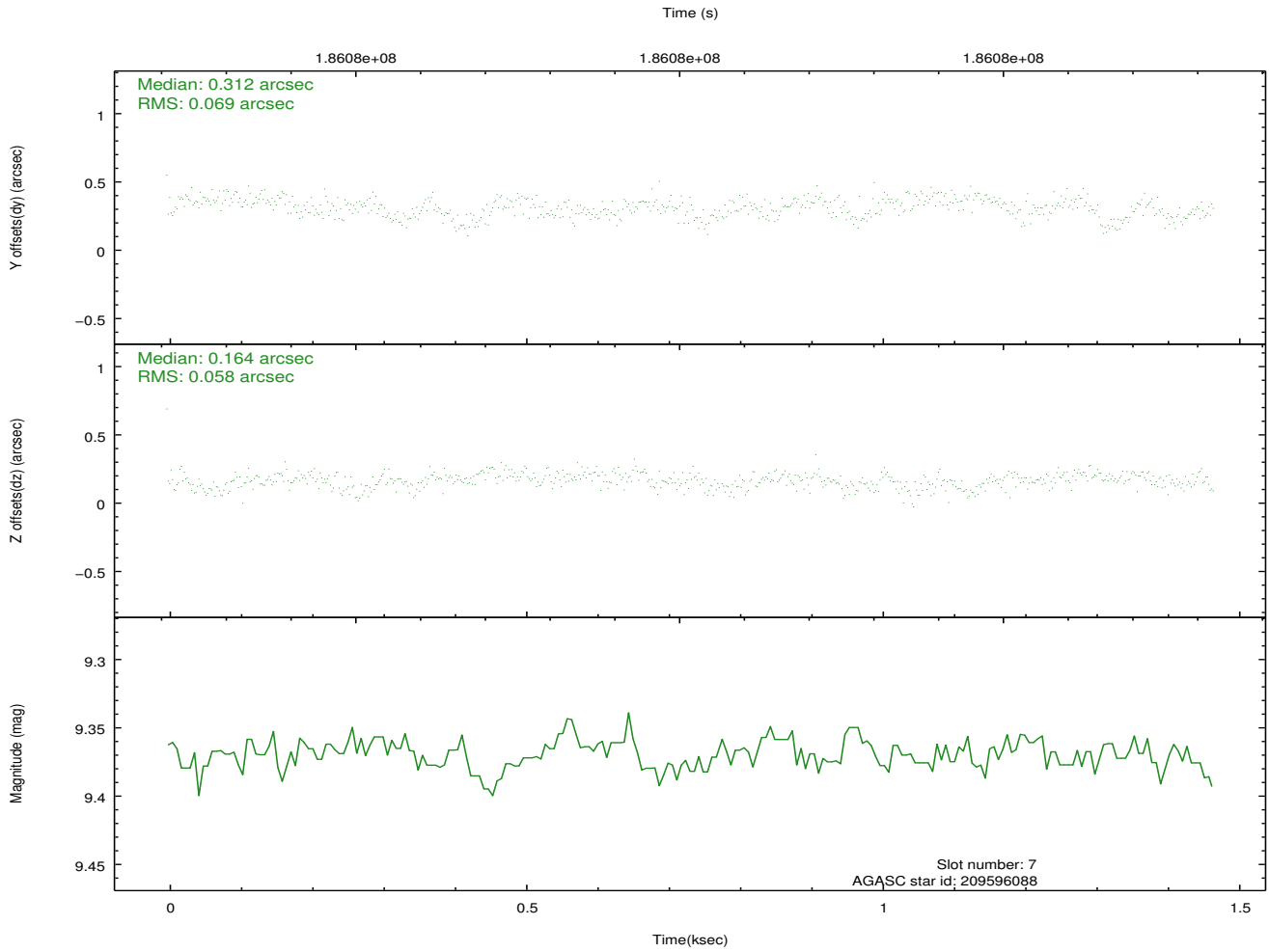
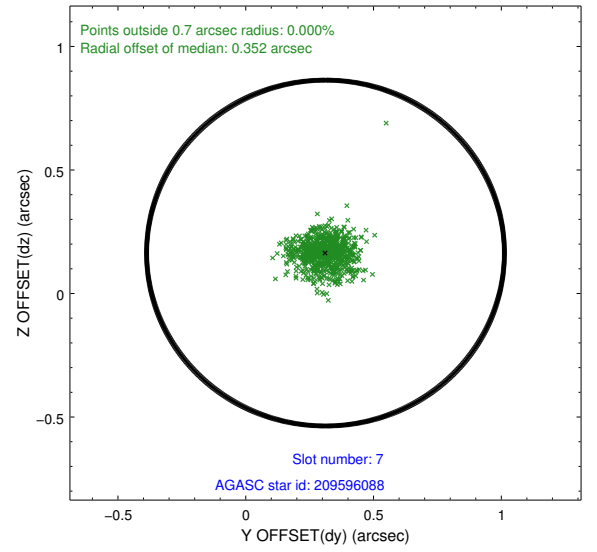
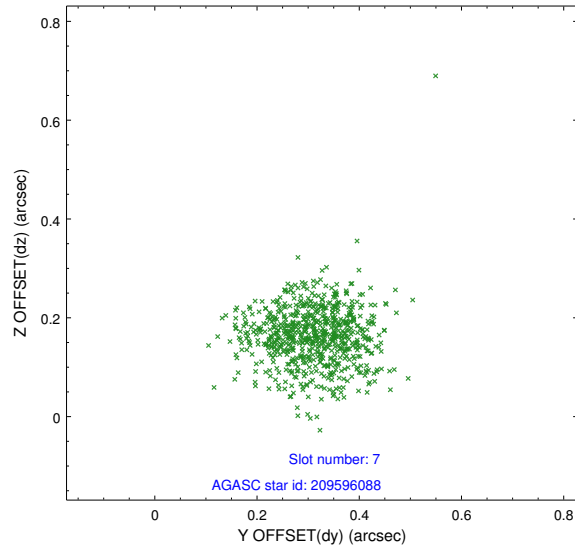
2.4.3 Slot 5



2.4.4 Slot 6

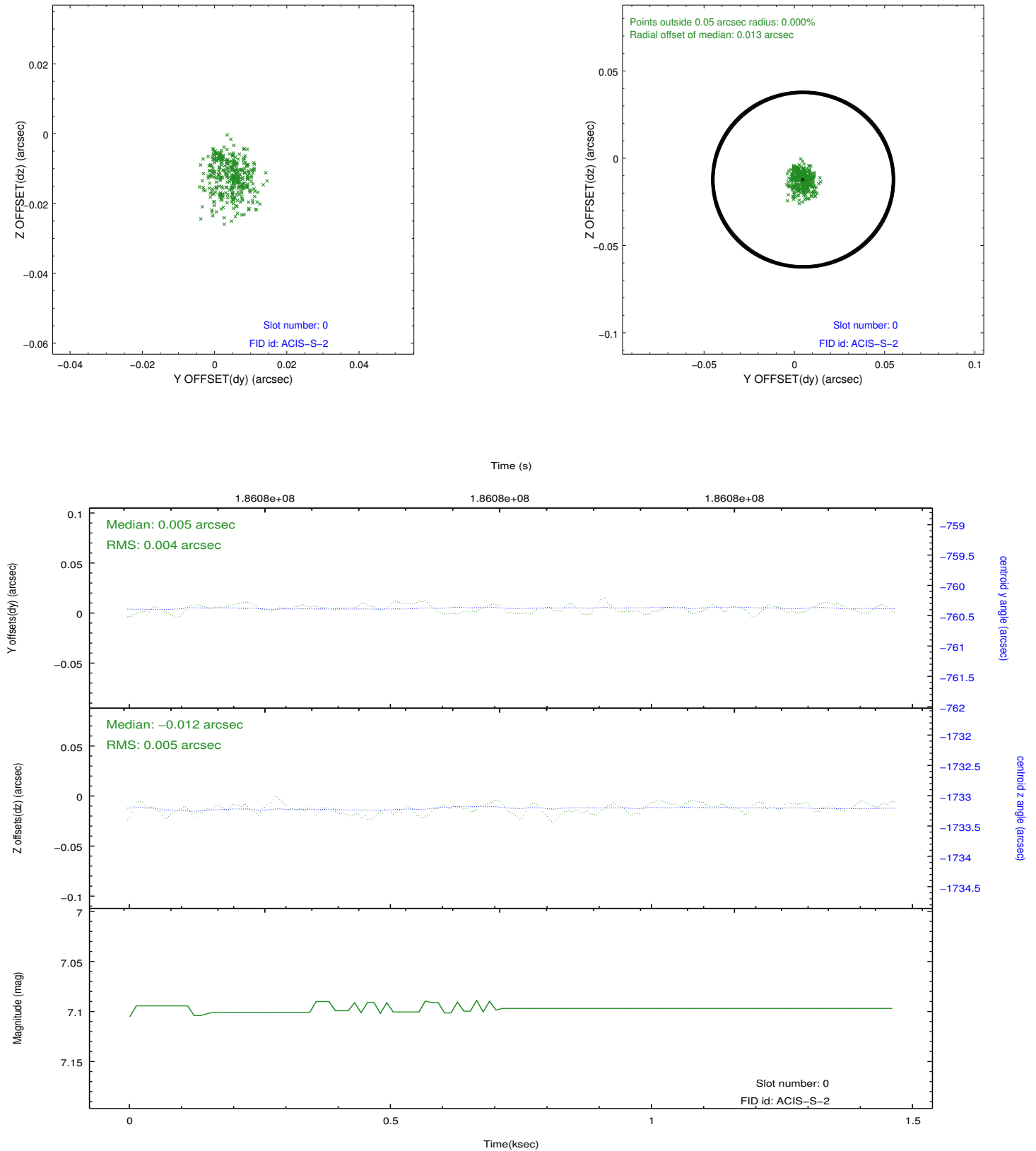


2.4.5 Slot 7

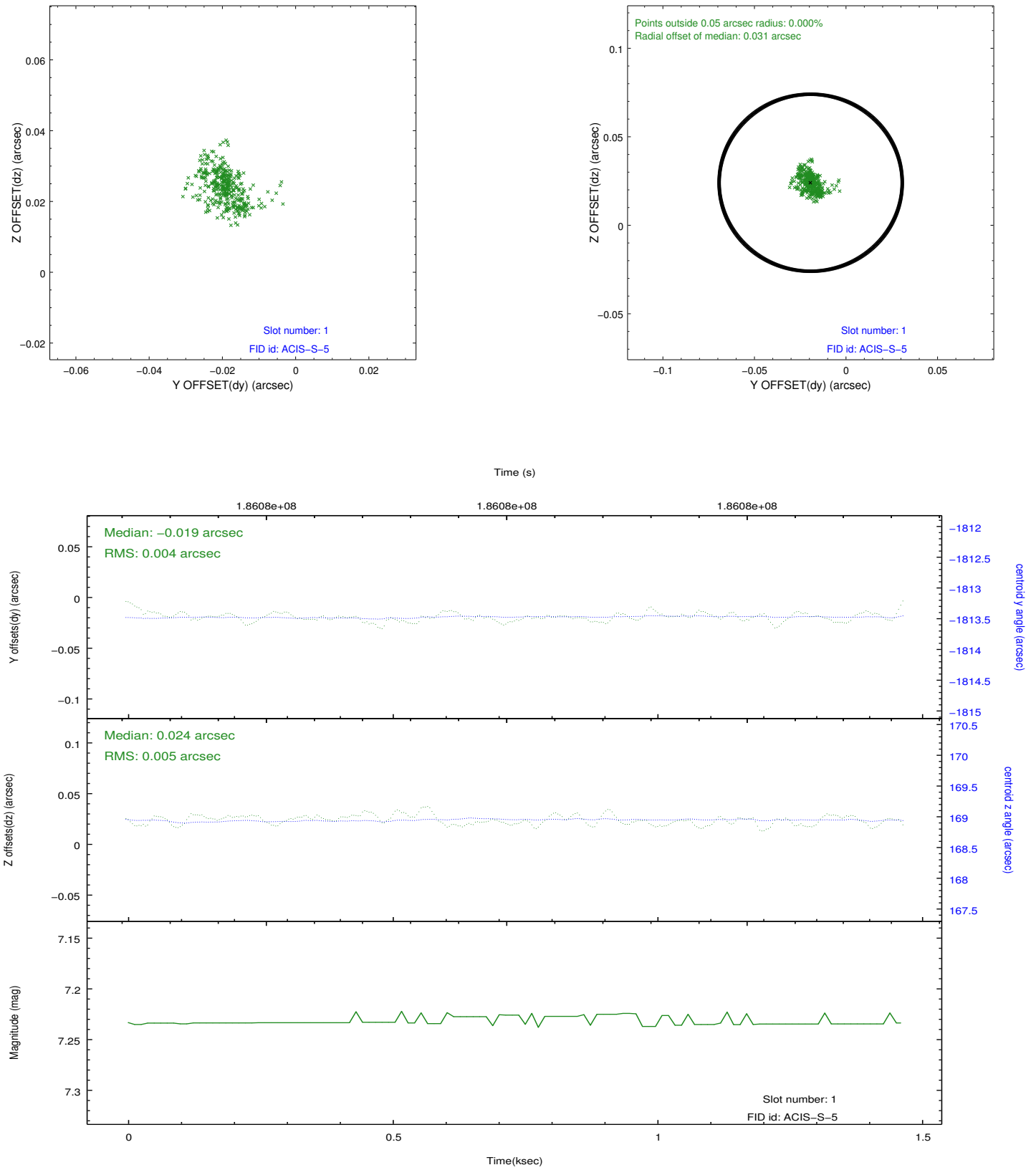


2.5 FID Slots

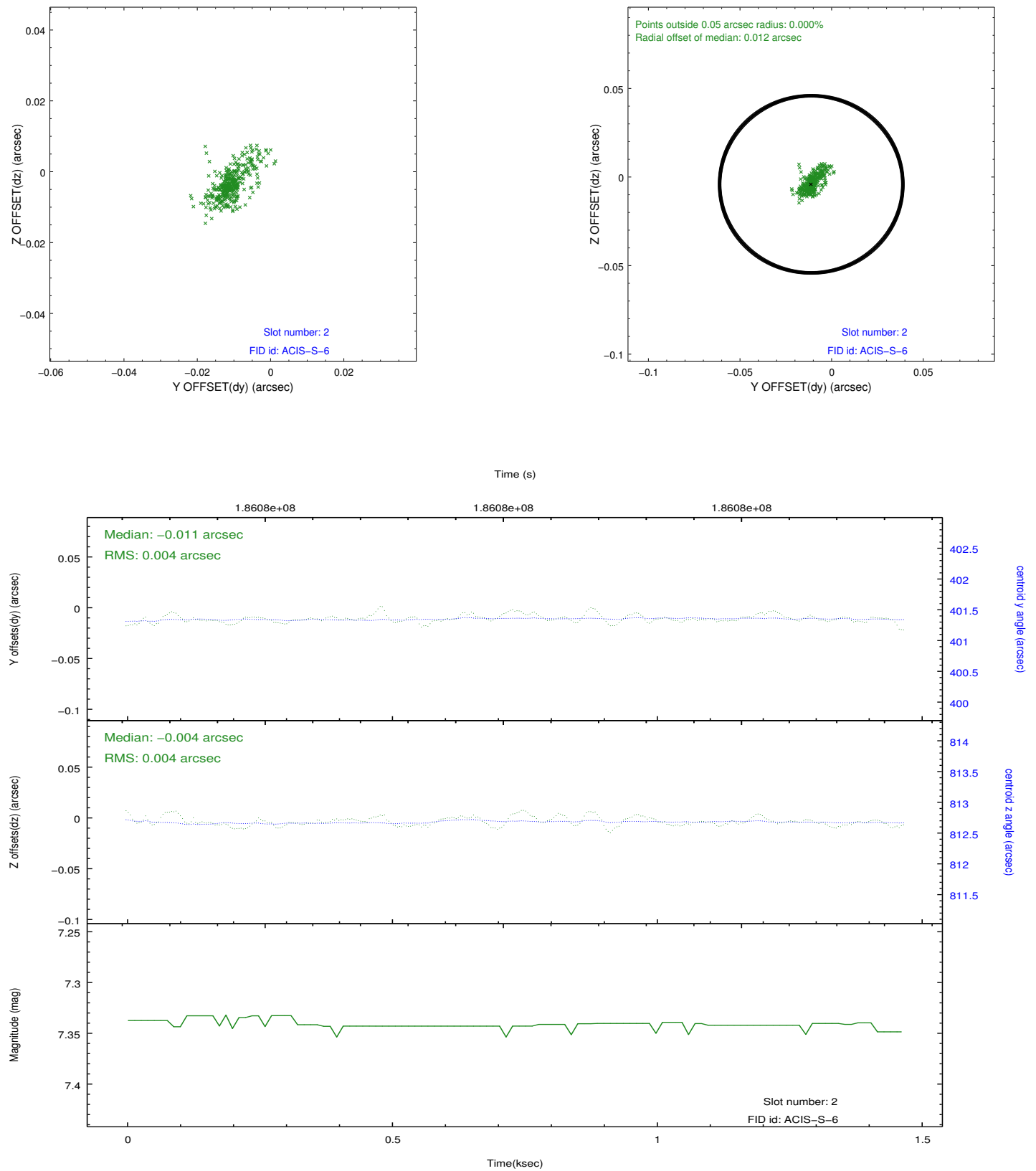
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.468

A.2 Comments