

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5264 - L2 Version 3
Chandra X-Ray Center

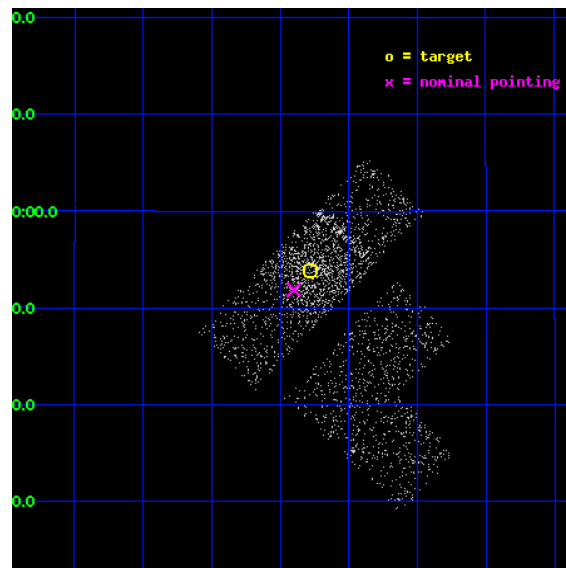
L2 Processing Date : Nov 8 2012

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1 Front

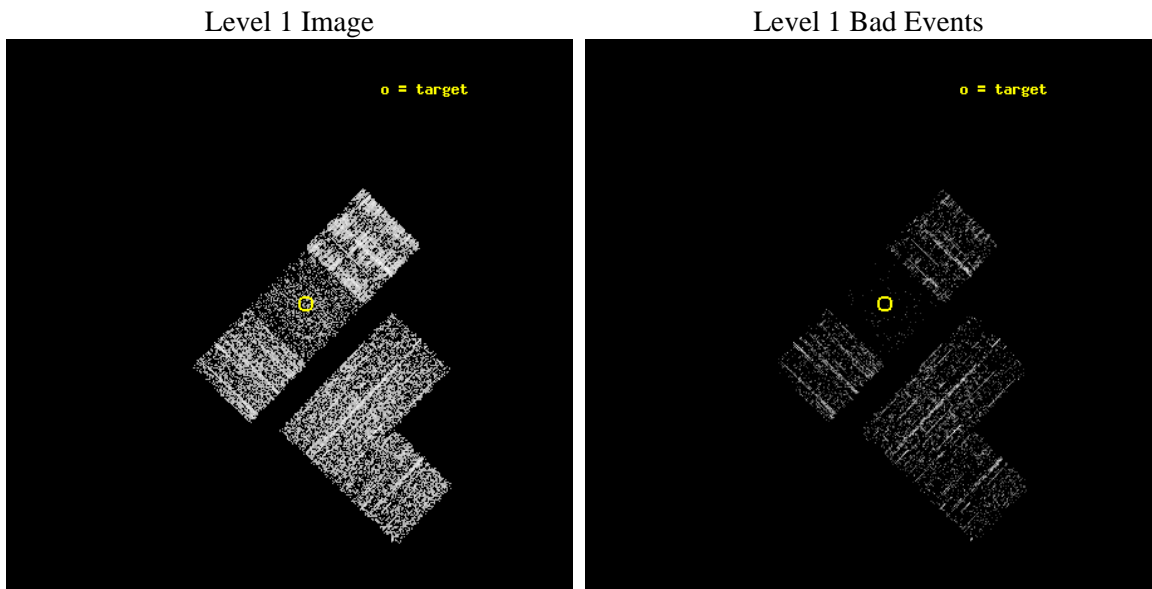
seq_num	100051	Sequence number
obs_id	5264	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.8202	Observer's specified target RA [deg]
dec_targ	16.89651	Observer's specified target Dec [deg]
ra_nom	287.85007107724	Nominal RA [deg]
dec_nom	16.864531861176	Nominal Dec [deg]
roll_nom	314.14795863575	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1475.1999945045	Sum of GTIs [s]
livetime	1456.5201239152	Livetime [s]
ontime0	1475.1999945045	Sum of GTIs [s]
ontime2	1475.1999945045	Sum of GTIs [s]
ontime3	1475.1999945045	Sum of GTIs [s]
ontime6	1475.1999945045	Sum of GTIs [s]
ontime7	1475.1999945045	Sum of GTIs [s]
ontime8	1475.1999945045	Sum of GTIs [s]
l2events	3013	Number of level 2 events



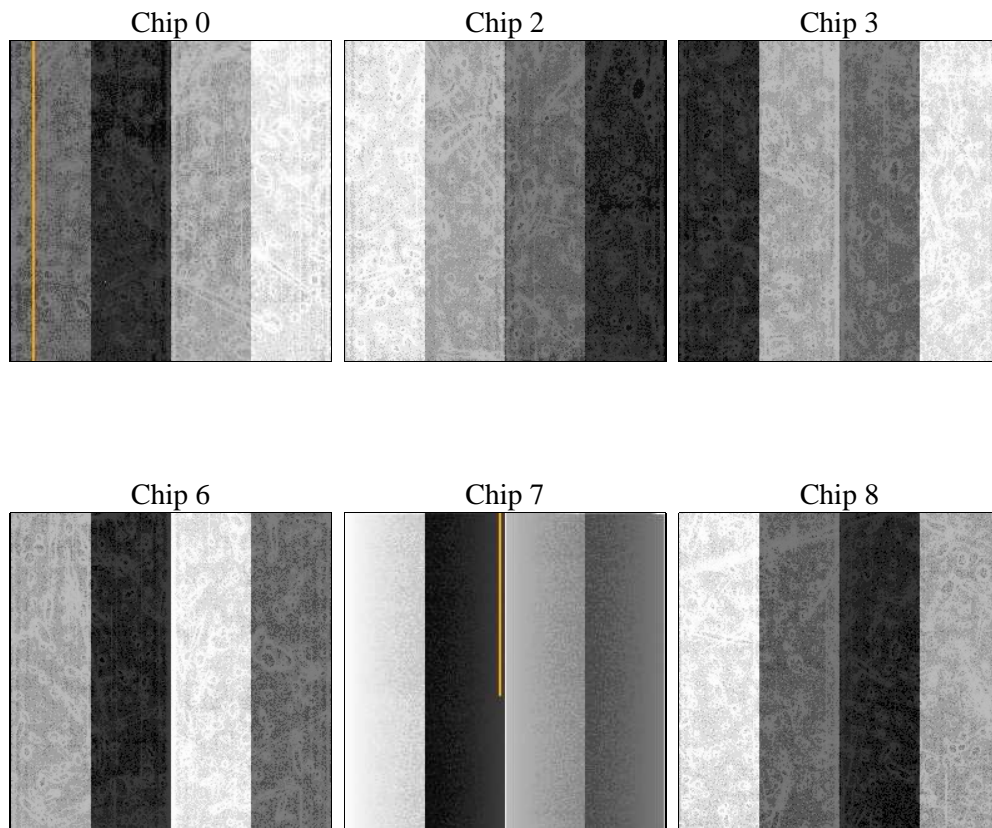
2 OBI

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	1475.1999945045	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1475.1999945045	Sum of GTIs [s]
date	2012-11-08T02:30:13	Date and time of file creation	ontime2	1475.1999945045	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1475.1999945045	Sum of GTIs [s]
			ontime6	1475.1999945045	Sum of GTIs [s]
			ontime7	1475.1999945045	Sum of GTIs [s]
			ontime8	1475.1999945045	Sum of GTIs [s]
			l1events	39440	Number of level 1 events

2.1.4 Events

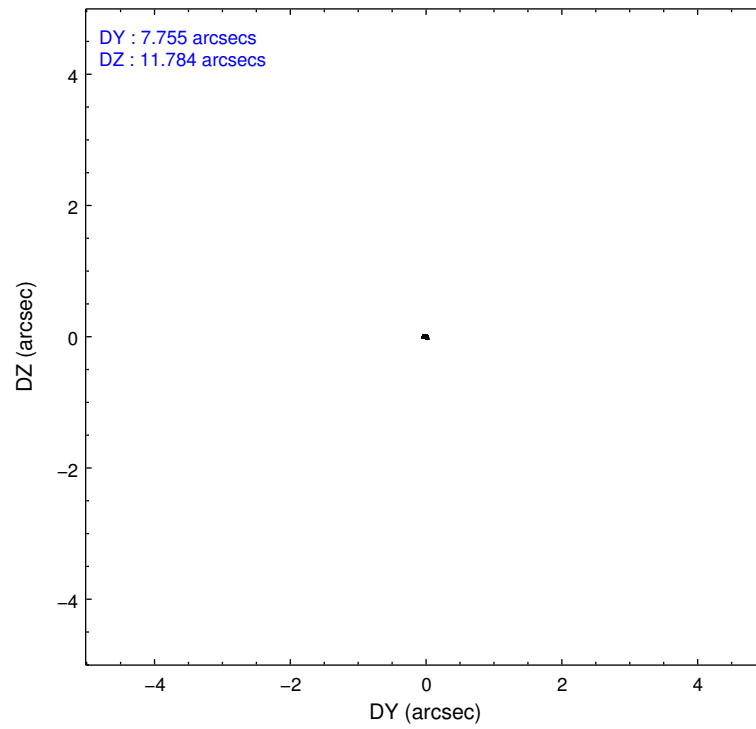
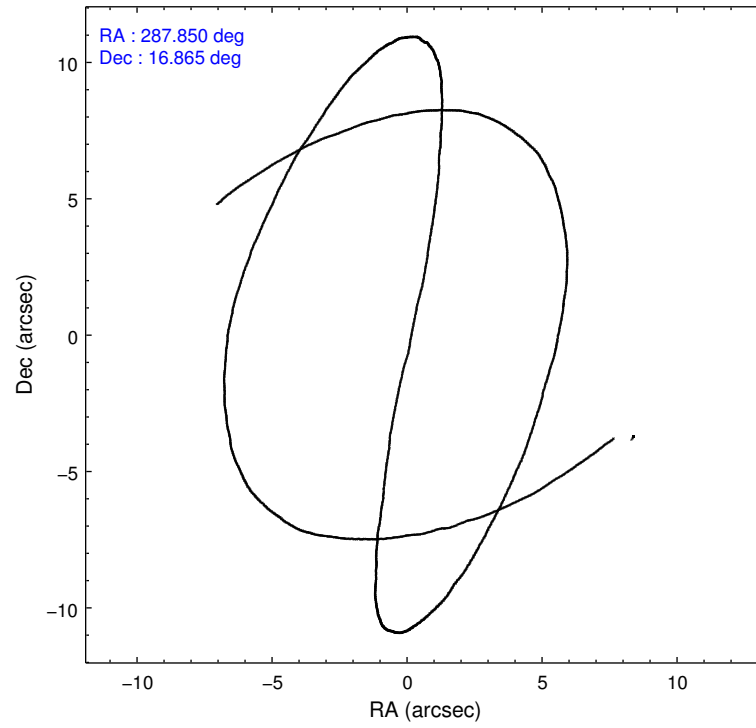
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5384	7361	5760	6748	2141	12046
rejected events	4865	6753	5360	6273	955	7032
rejected %	90%	91%	93%	92%	44%	58%

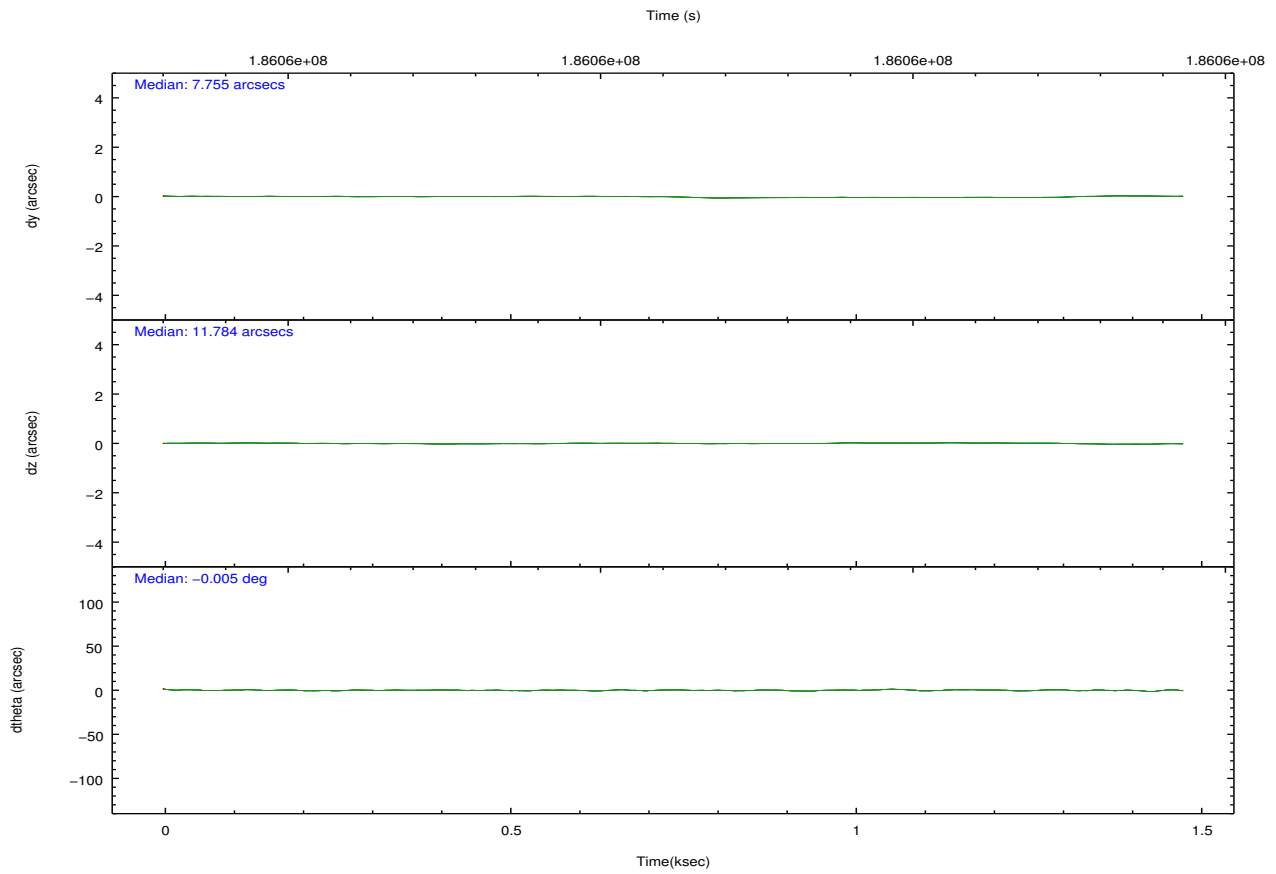
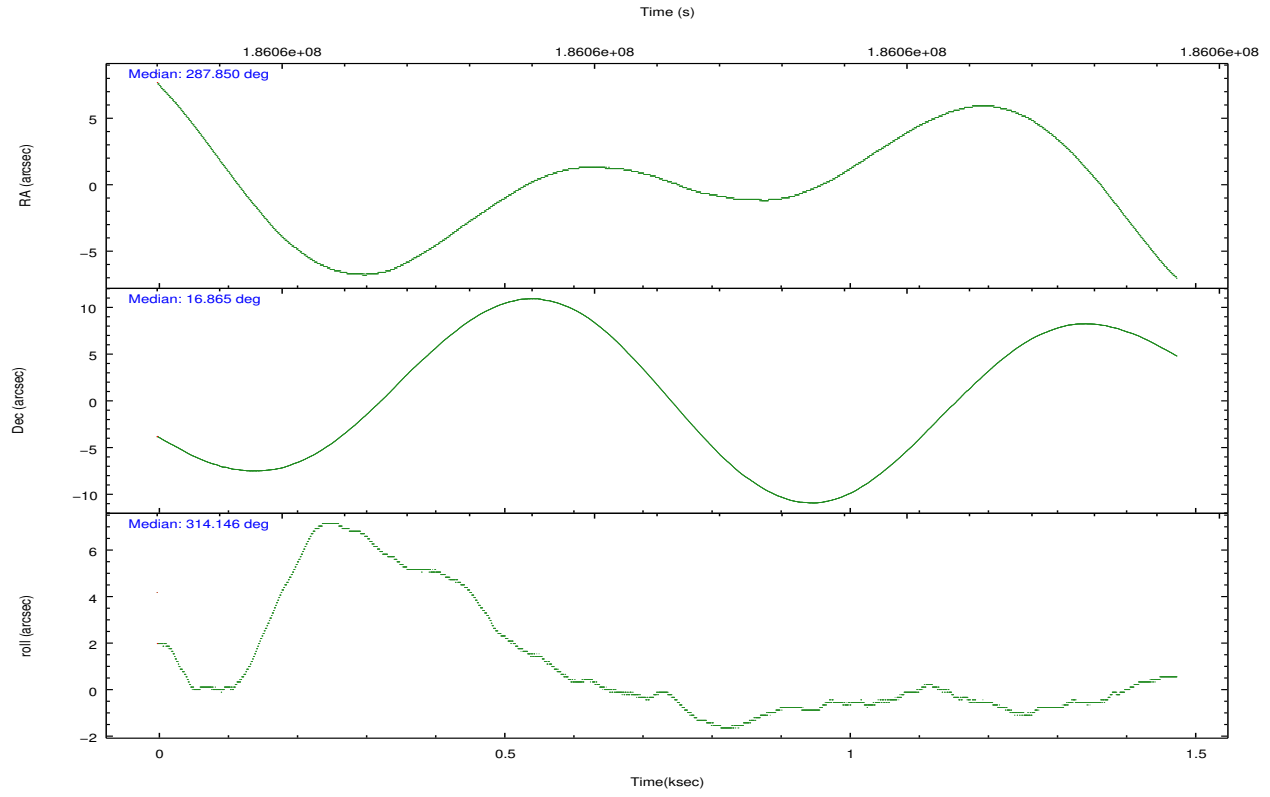
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	284	321	230	273	337	1742
	5%	4%	3%	4%	15%	14%
grade 1 events	5	4	1	7	4	16
	0%	0%	0%	0%	0%	0%
grade 2 events	170	219	103	156	454	962
	3%	2%	1%	2%	21%	7%
grade 3 events	69	50	64	49	178	976
	1%	0%	1%	0%	8%	8%
grade 4 events	45	71	45	42	170	899
	0%	0%	0%	0%	7%	7%
grade 5 events	58	45	53	44	151	152
	1%	0%	0%	0%	7%	1%
grade 6 events	60	74	41	55	368	1453
	1%	1%	0%	0%	17%	12%
grade 7 events	4693	6577	5223	6122	479	5846
	87%	89%	90%	90%	22%	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	287.822577	287.8500710772415	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.871602	16.86453186117565	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999306	314.1479586357507	[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)	186057064.184000	186056687.83204			
Observation start date	2003-11-24T10:30:00	2003-11-24T10:24:47			
[s] Observation end time (MET)	186058354.184000	186058487.73212			
Observation end date	2003-11-24T10:51:30	2003-11-24T10:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



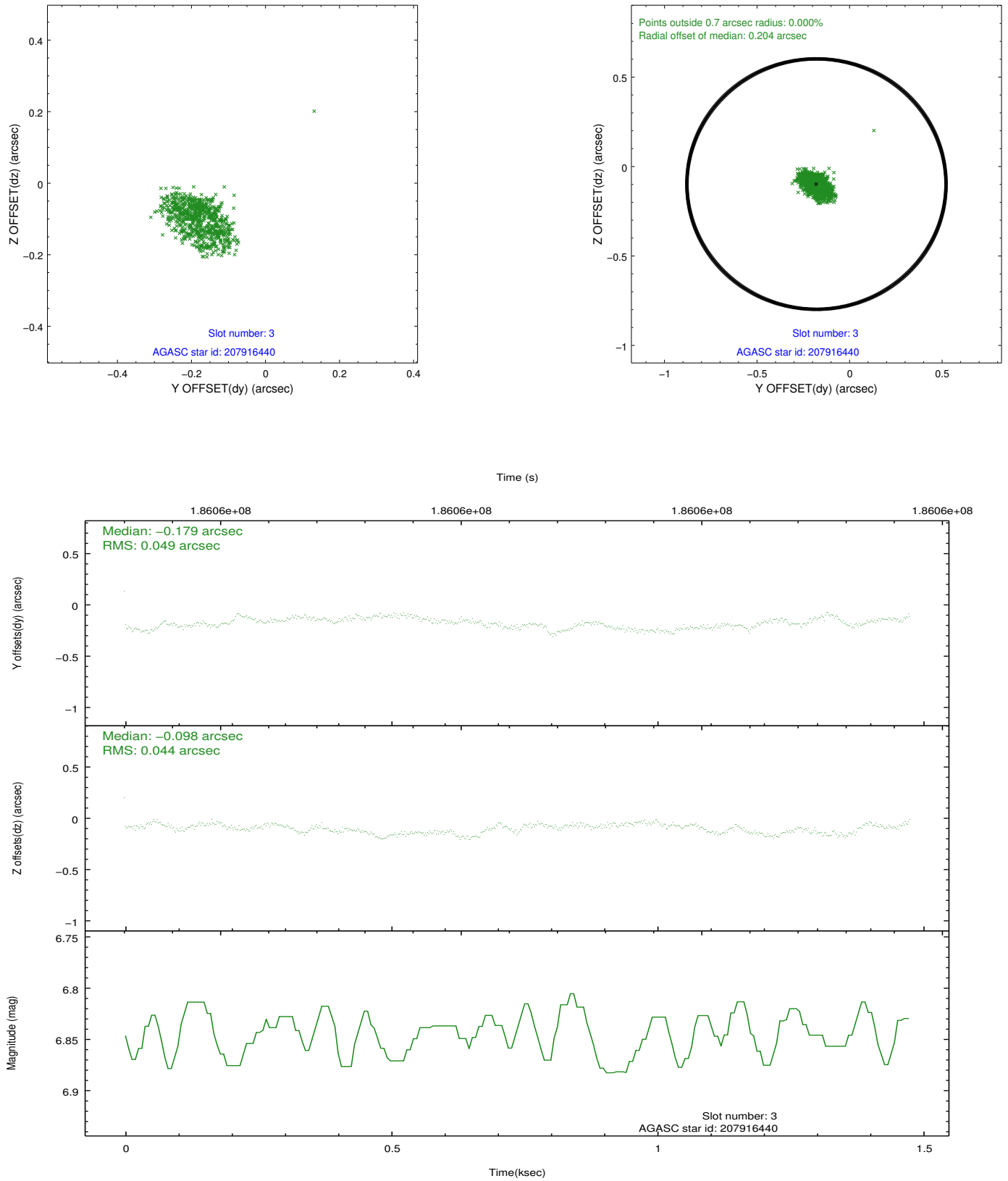


Slot Statistics

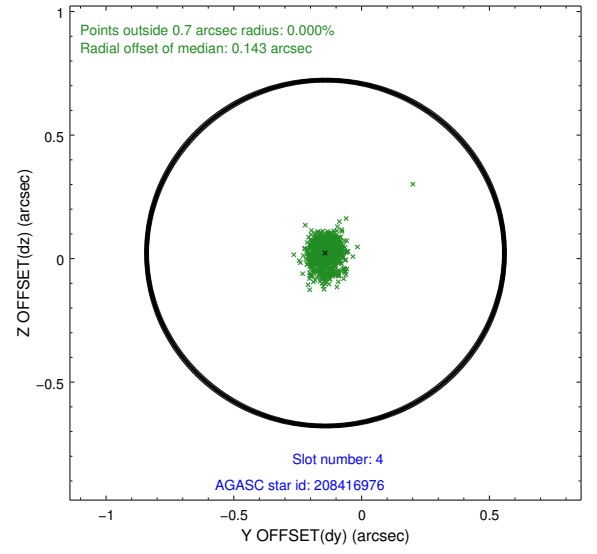
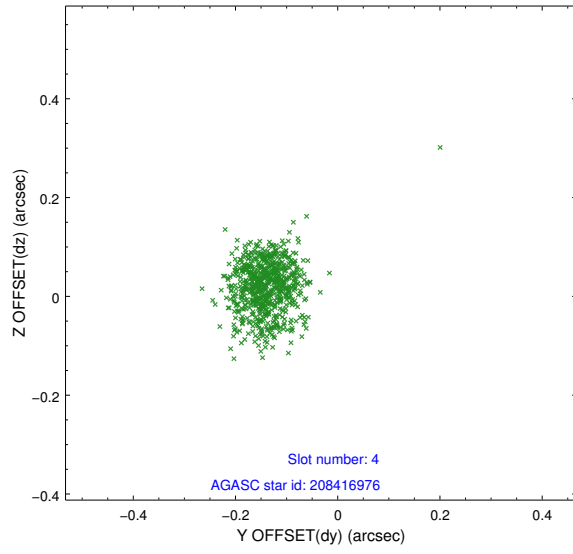
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	361	0.061	-0.088	0.007	0.011	0.000000	0.000000	935.56	-1728.81
1	FID	ACIS-S-5	7.24	359	-0.046	0.048	0.007	0.011	0.000000	0.000000	-1811.00	164.27
2	FID	ACIS-S-6	7.34	361	-0.036	0.052	0.008	0.011	0.000000	0.000000	396.20	813.30
3	GUIDE	207916440	6.84	721	-0.179	-0.098	0.070	0.109	287.167522	16.851310	-1517.43	-1672.10
4	GUIDE	208416976	8.34	721	-0.141	0.023	0.066	0.106	287.326965	17.073967	-1712.11	-721.86
5	GUIDE	208421840	9.21	721	0.106	0.070	0.080	0.133	287.570311	16.918850	-728.10	-507.31
6	GUIDE	209596088	9.37	721	0.216	0.088	0.109	0.170	288.150718	16.305149	2253.49	-600.79
7	GUIDE	209585448	7.94	720	0.006	-0.074	0.055	0.089	288.114724	16.850123	758.77	669.92

2.4 Star Slots

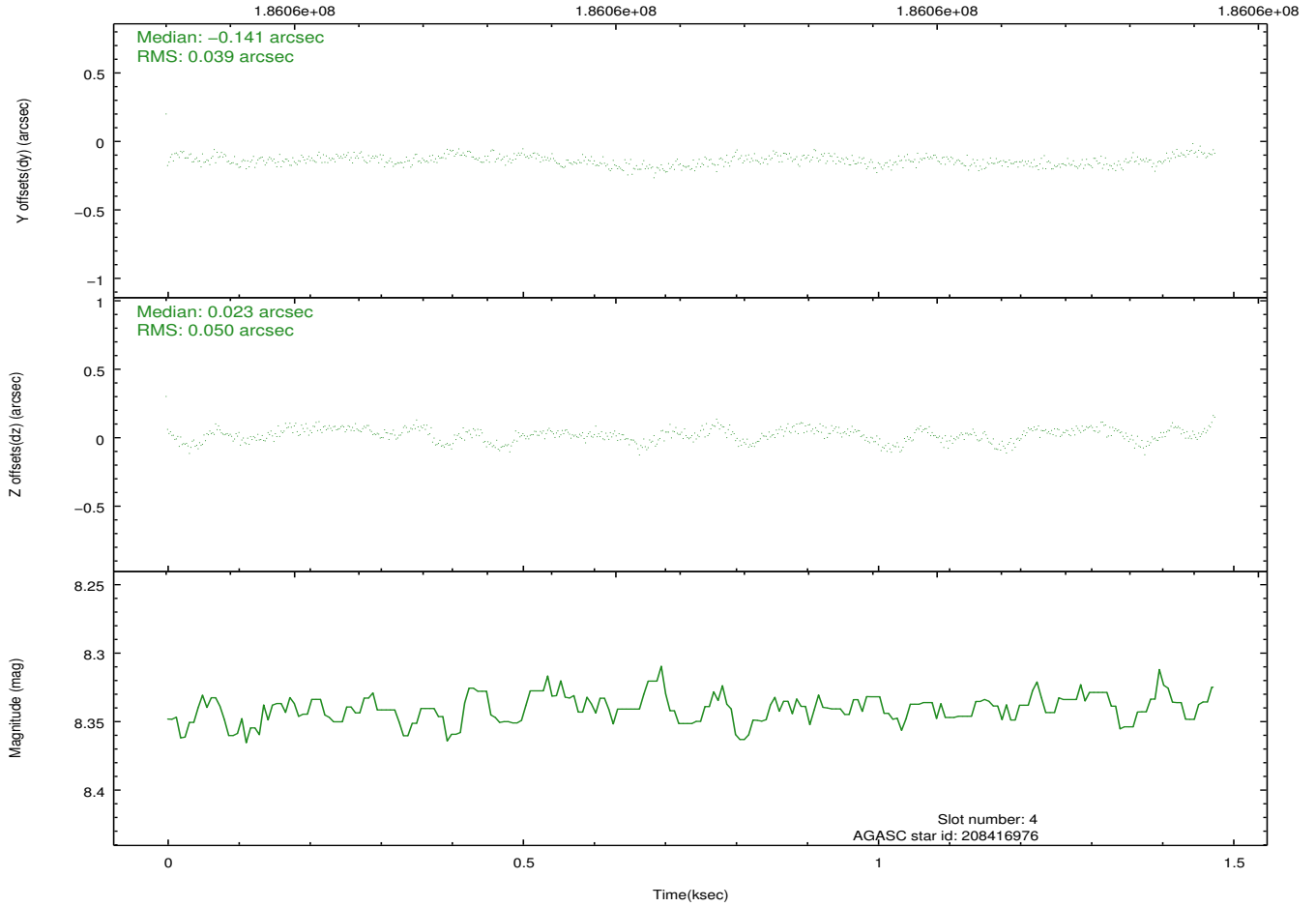
2.4.1 Slot 3



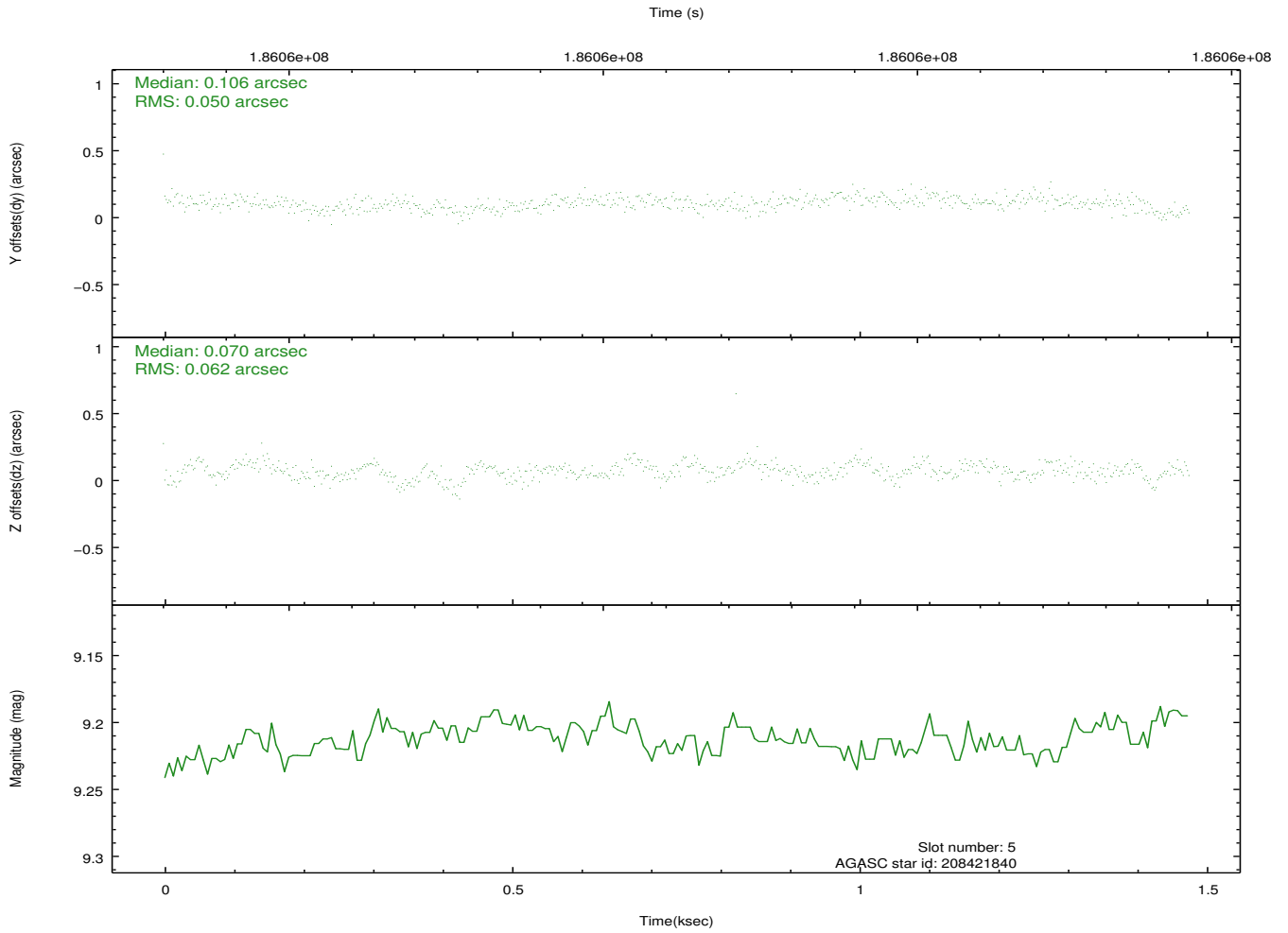
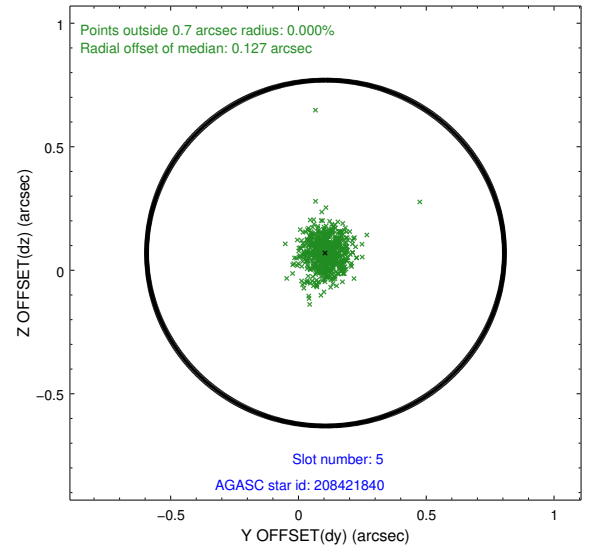
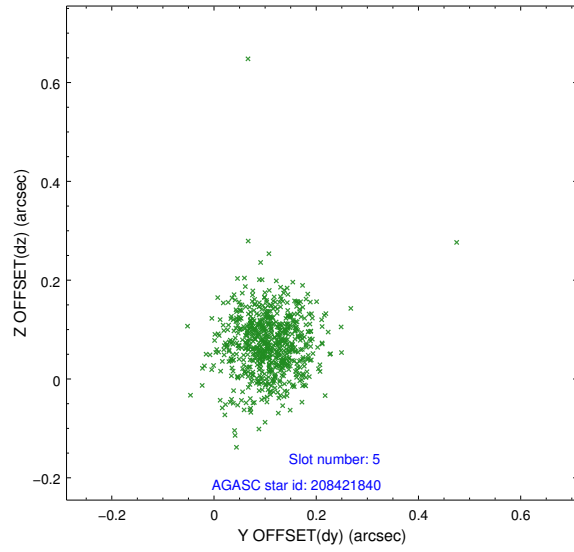
2.4.2 Slot 4



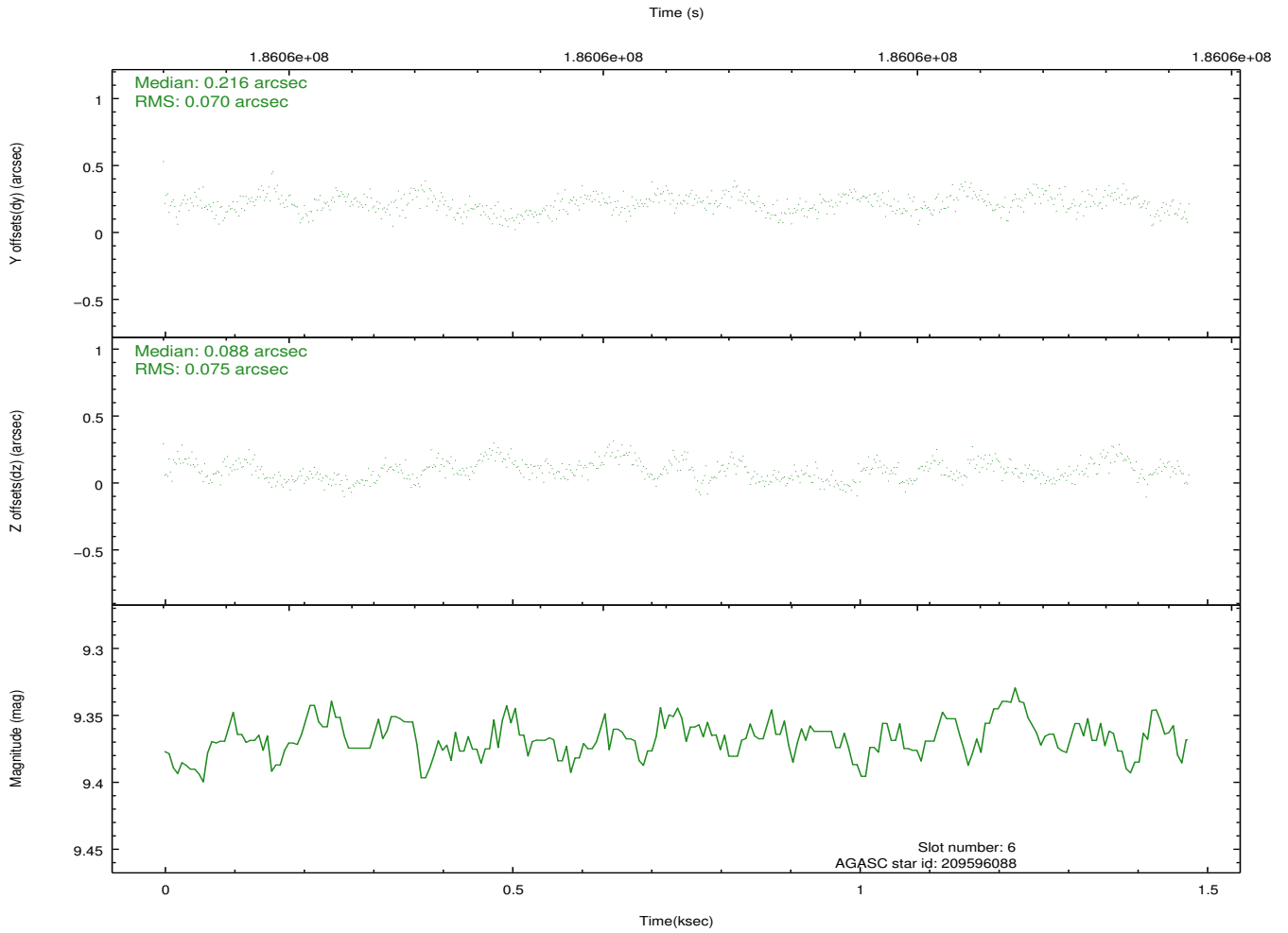
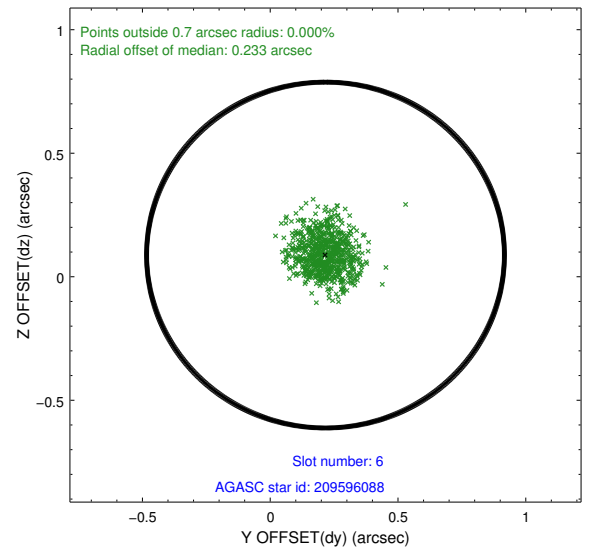
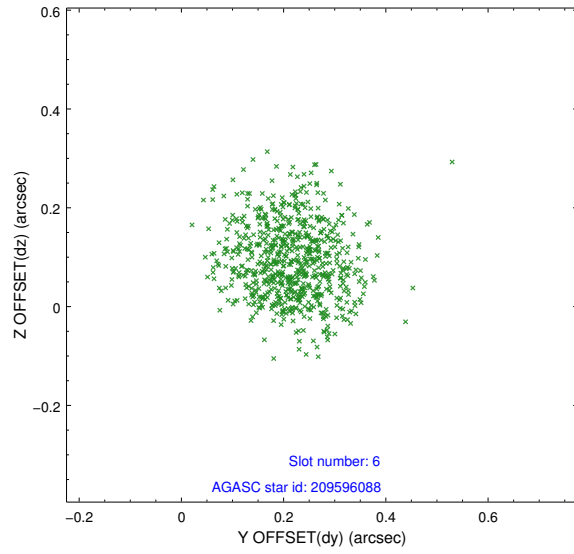
Time (s)



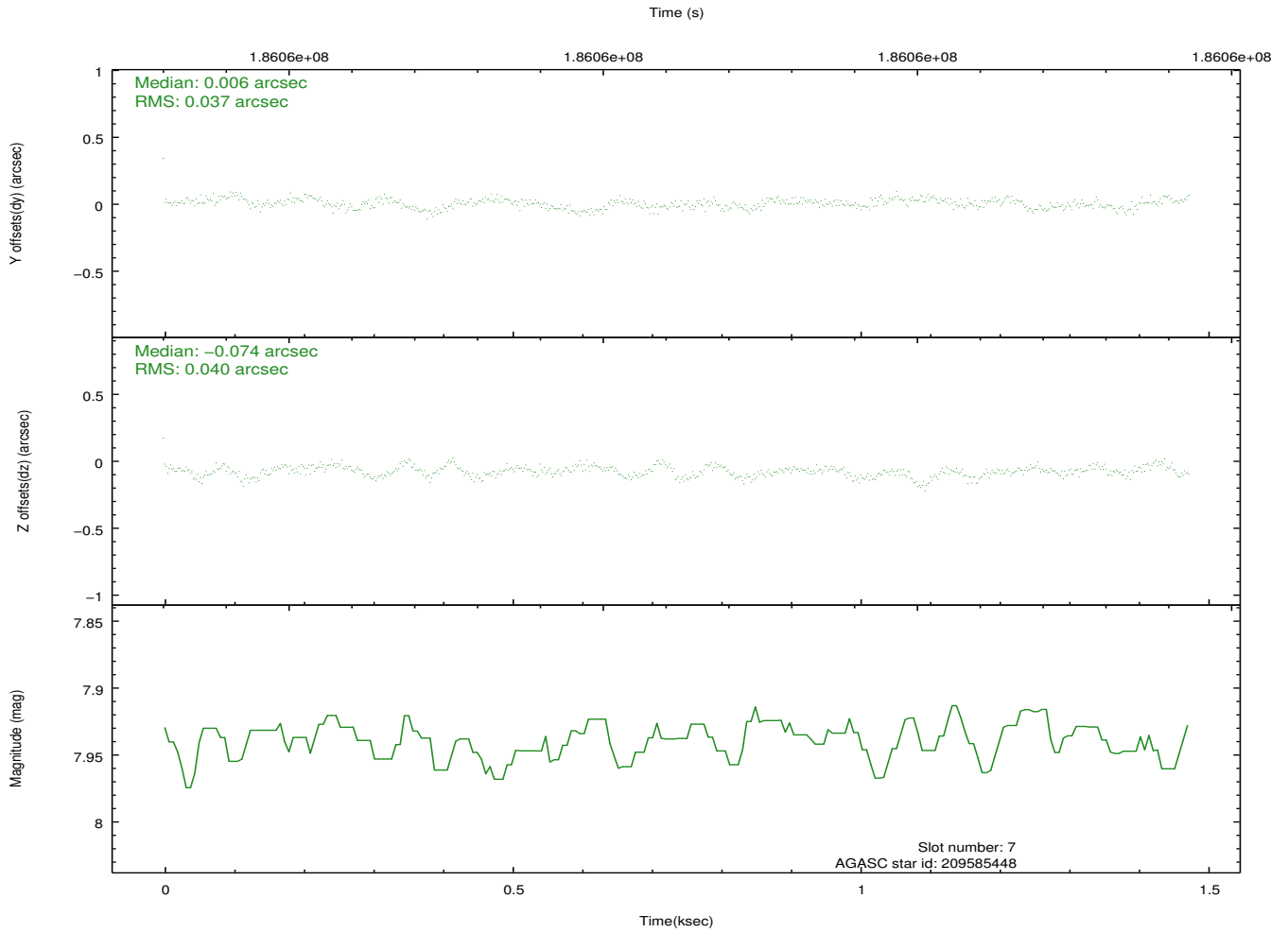
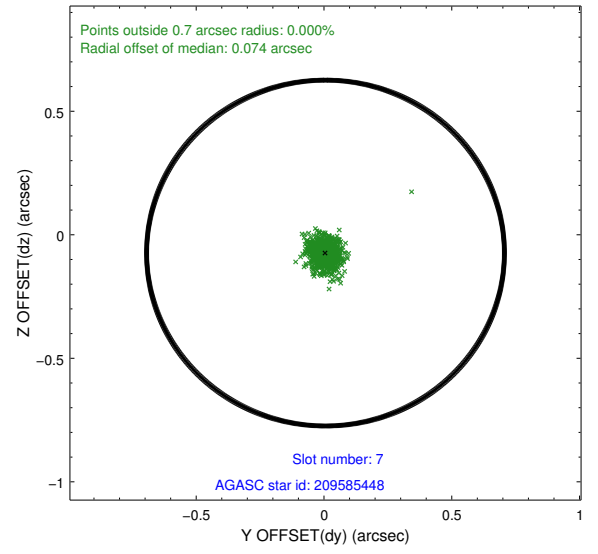
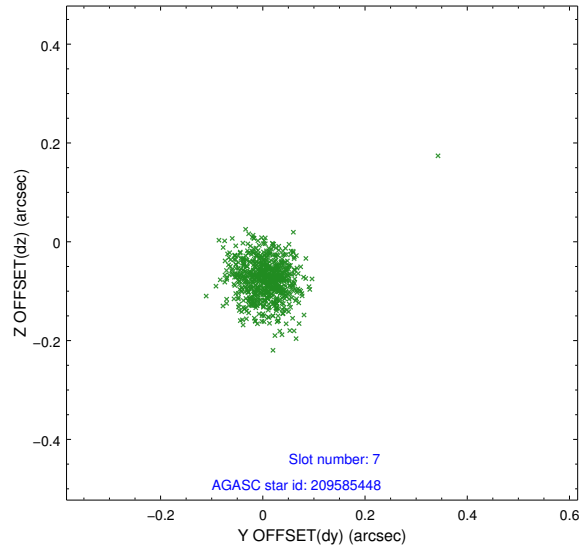
2.4.3 Slot 5



2.4.4 Slot 6

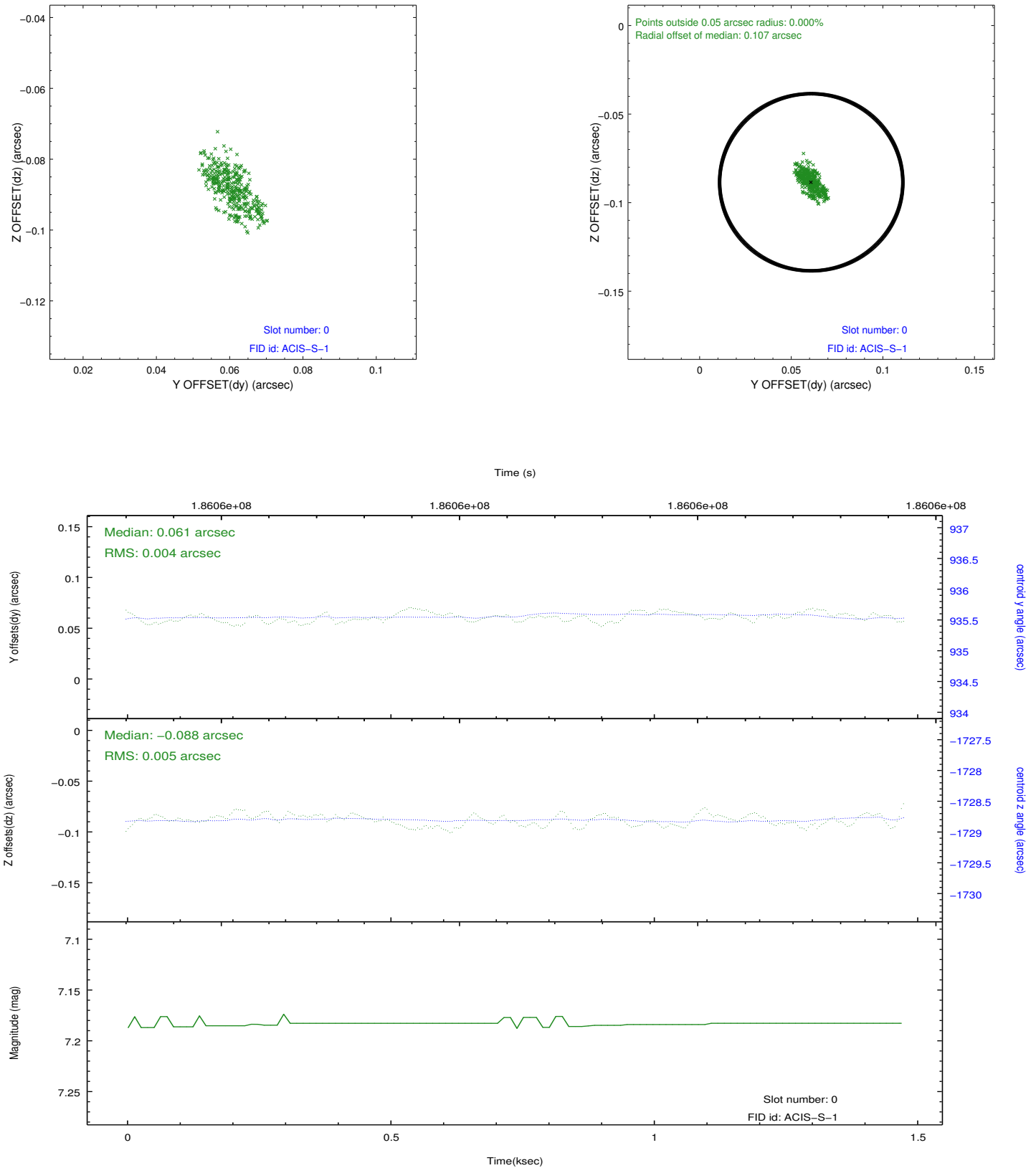


2.4.5 Slot 7

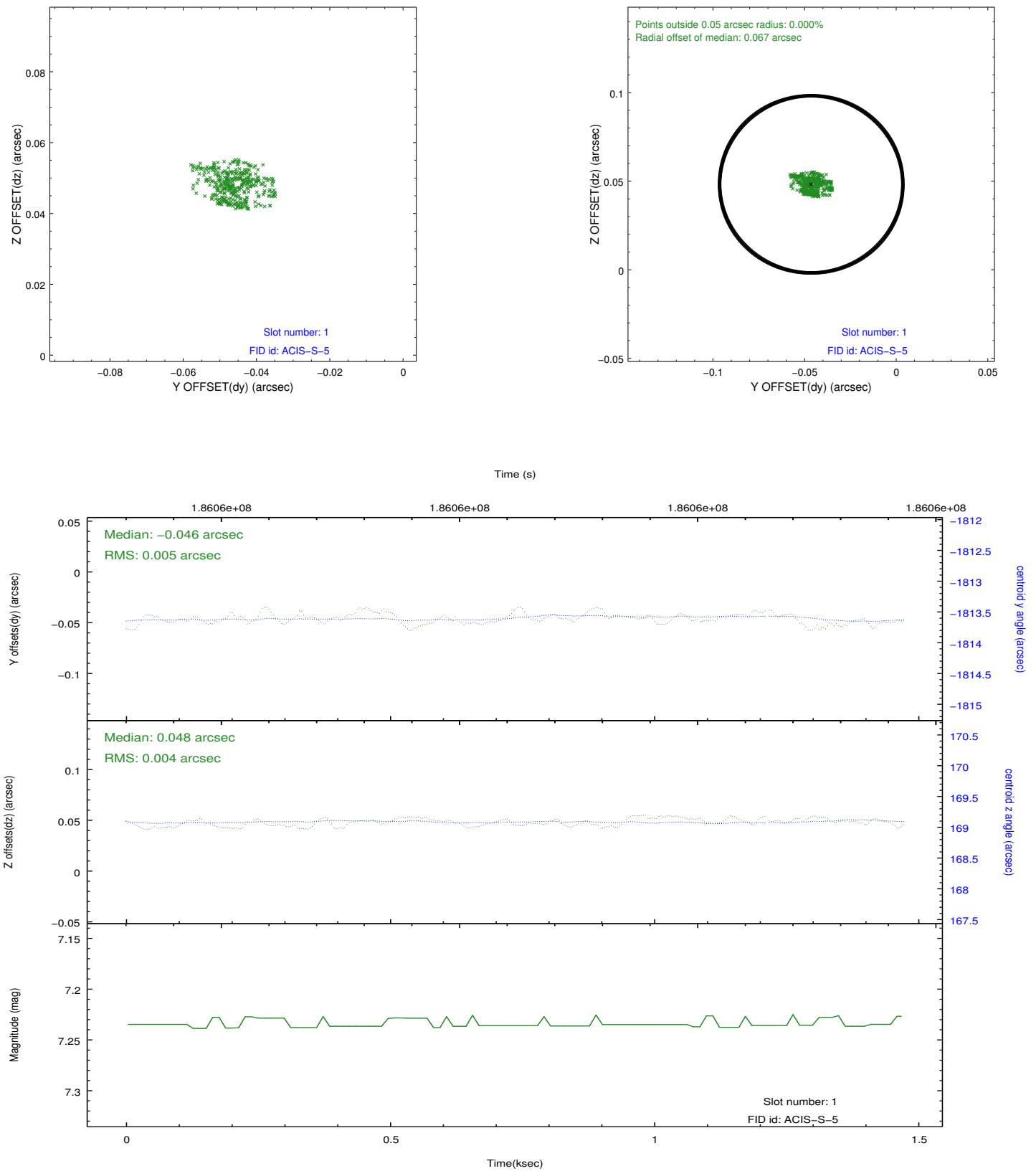


2.5 FID Slots

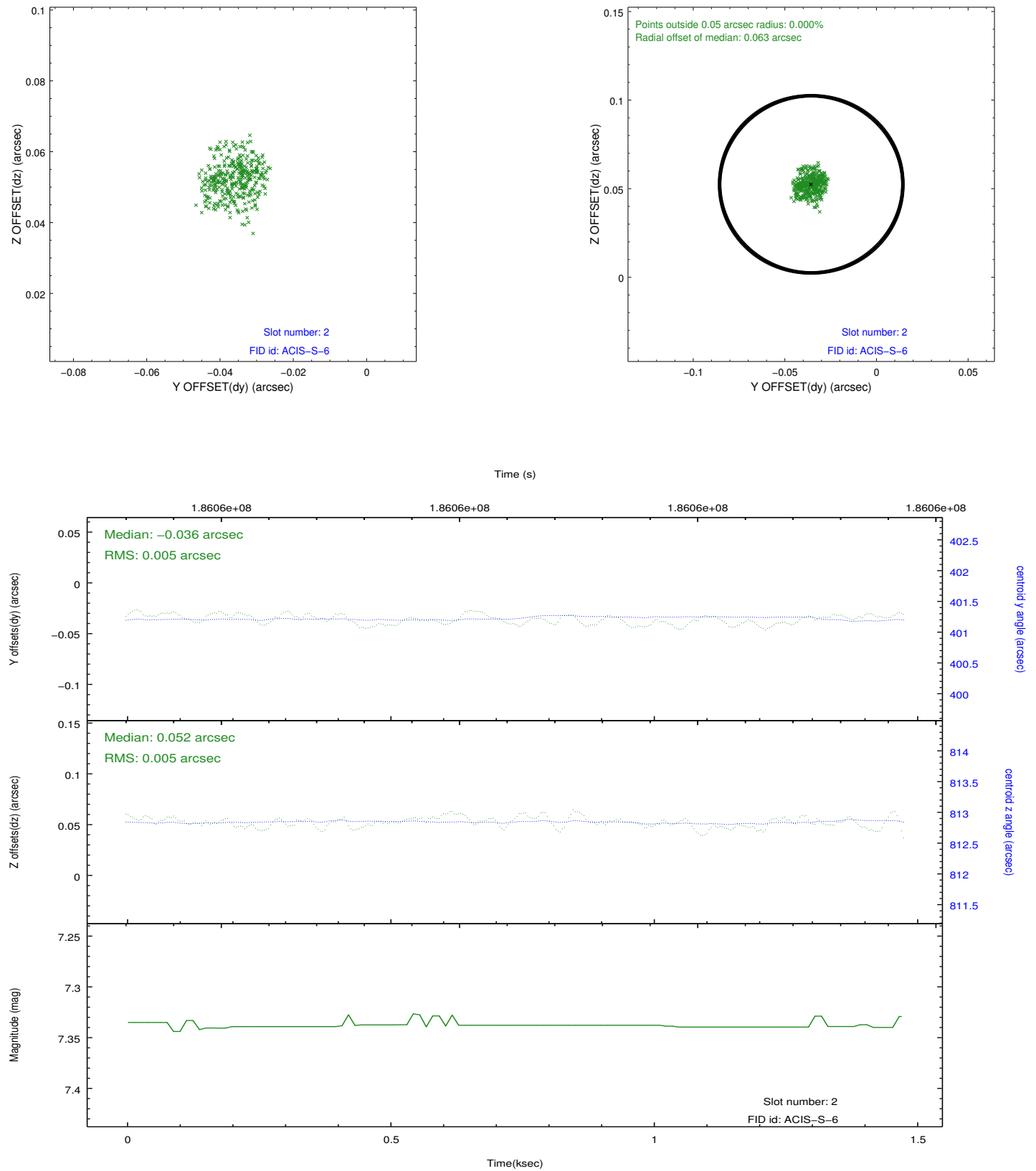
2.5.1 Slot 0



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	1.475

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.