

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5254 - L2 Version 3
Chandra X-Ray Center

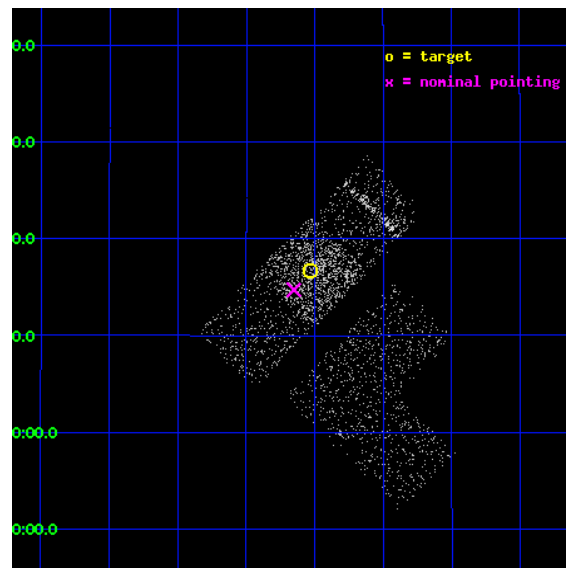
L2 Processing Date : Nov 7 2012

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1 Front

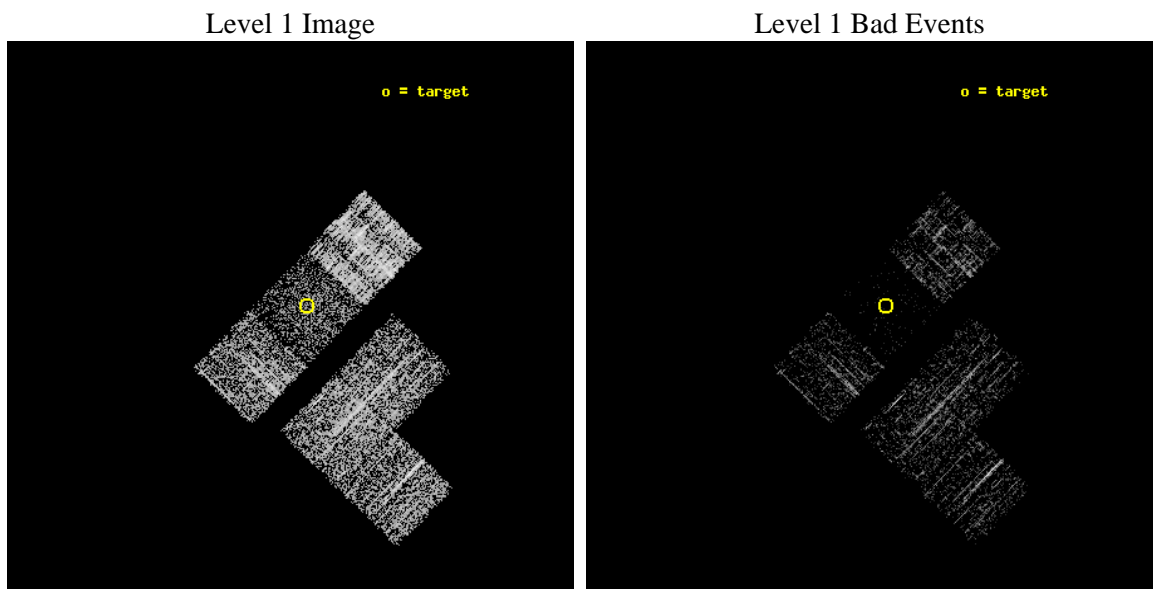
seq_num	100051	Sequence number
obs_id	5254	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.2581	Observer's specified target RA [deg]
dec_targ	17.27738	Observer's specified target Dec [deg]
ra_nom	288.28803675595	Nominal RA [deg]
dec_nom	17.24542833626	Nominal Dec [deg]
roll_nom	314.14777243348	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1468.7999945283	Sum of GTIs [s]
liveltime	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	3248	Number of level 2 events



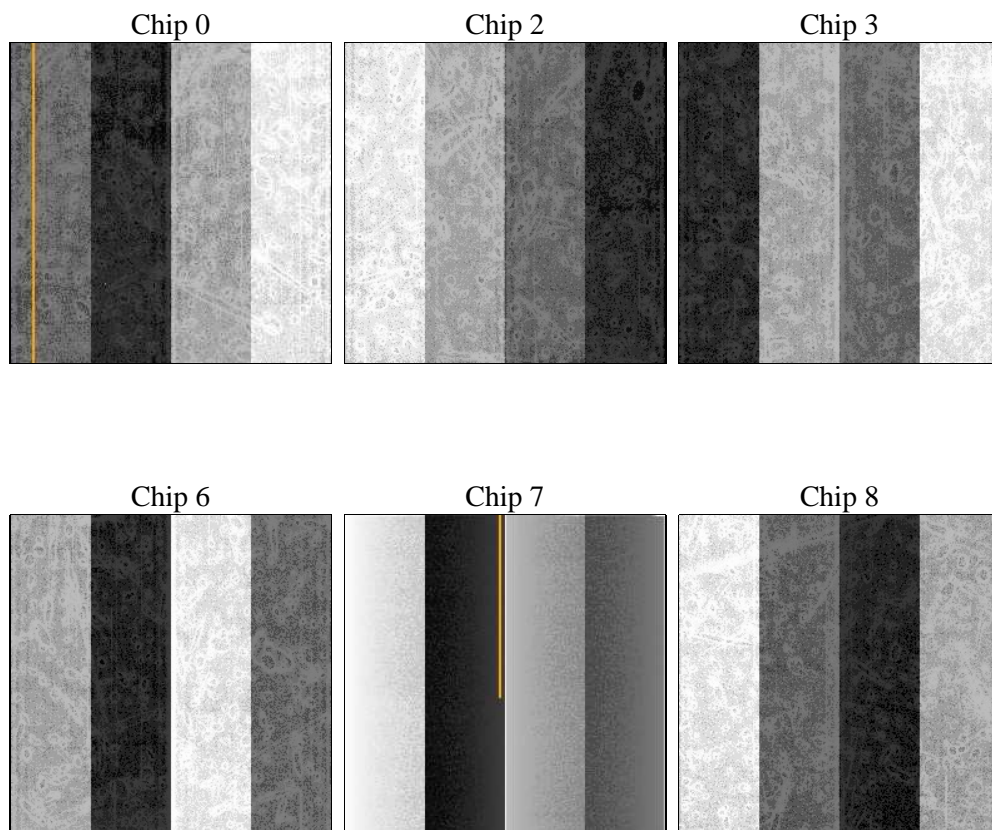
2 OBI

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	2012-11-08T02:12:17	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	43350	Number of level 1 events

2.1.4 Events

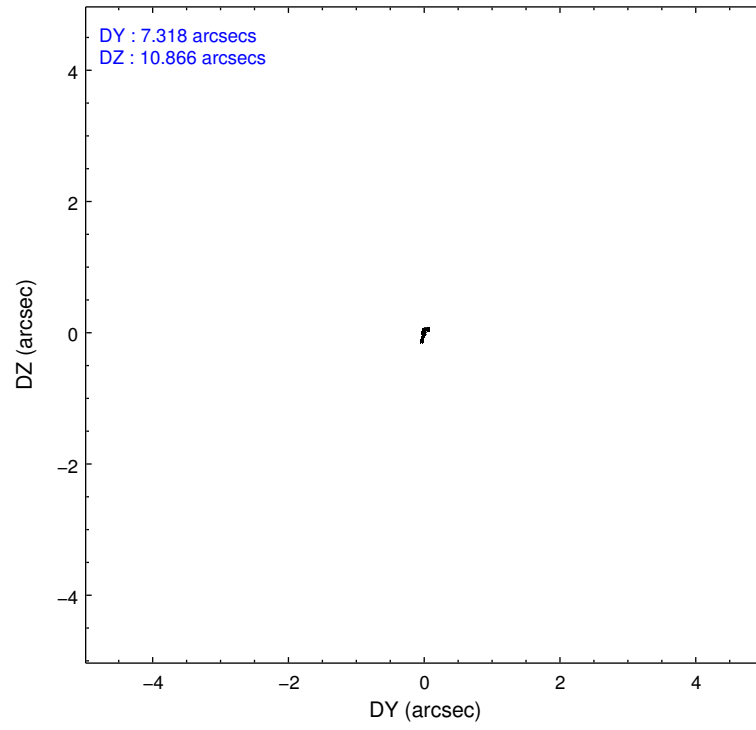
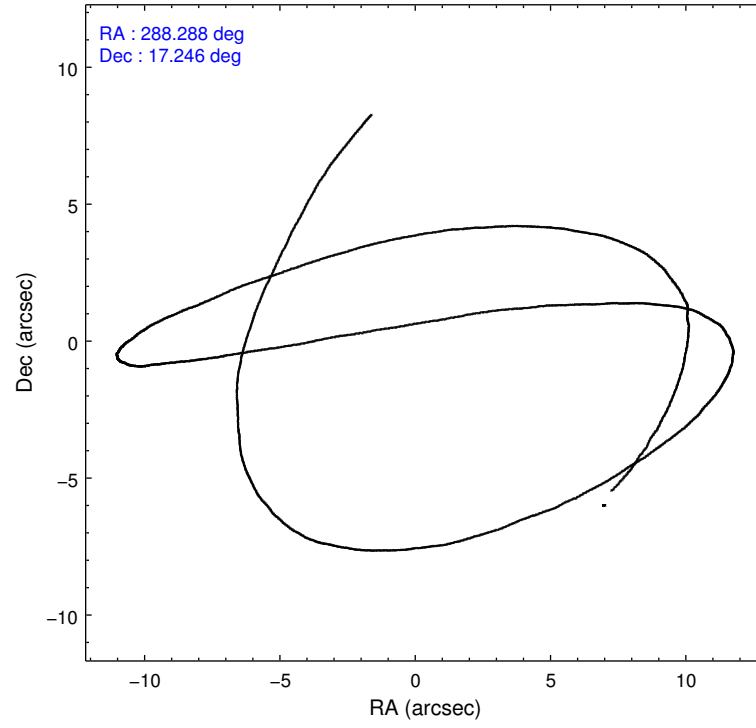
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	6665	7561	6401	6230	2330	14163
rejected events	6176	6977	6011	5718	968	8275
rejected %	92%	92%	93%	91%	41%	58%

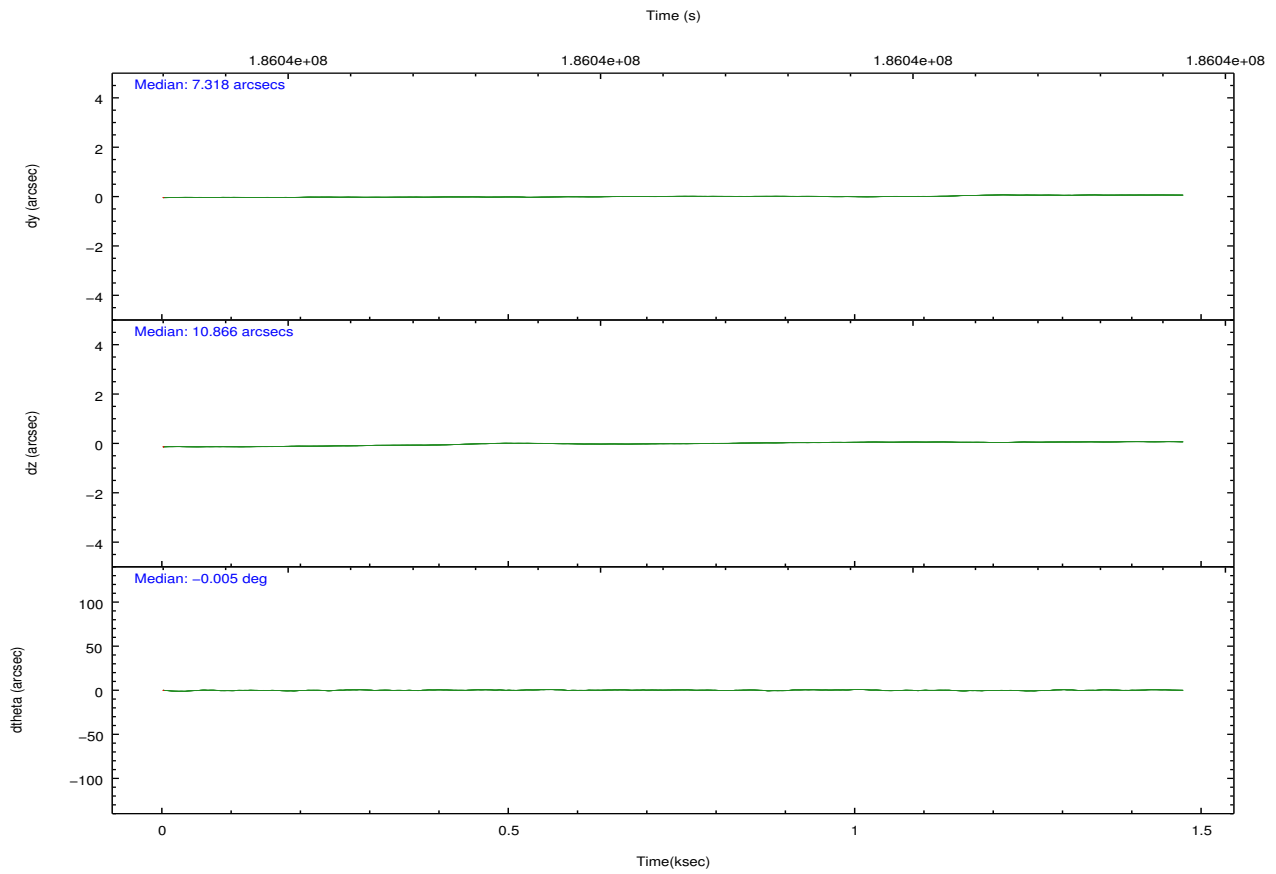
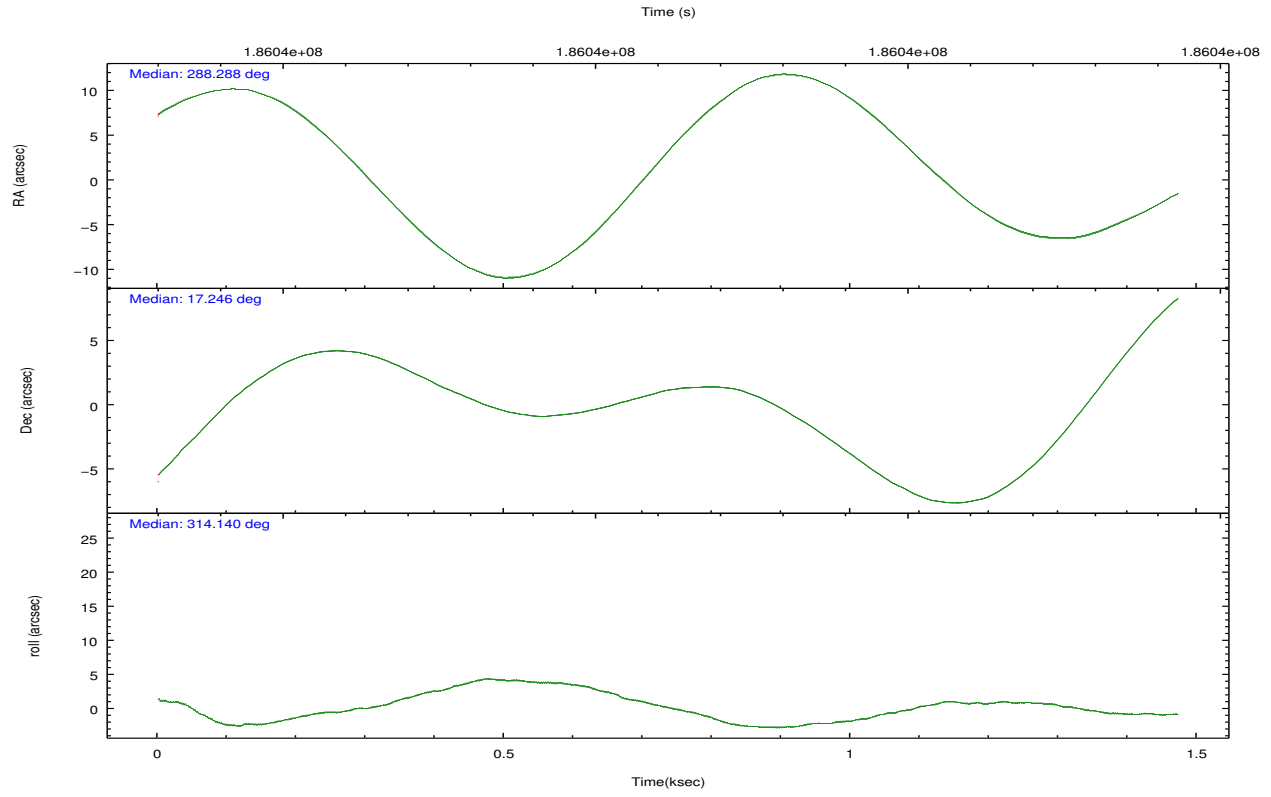
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	242	328	225	300	451	1884
	3%	4%	3%	4%	19%	13%
grade 1 events	8	2	1	3	7	15
	0%	0%	0%	0%	0%	0%
grade 2 events	173	195	89	145	455	1149
	2%	2%	1%	2%	19%	8%
grade 3 events	59	57	57	56	195	1103
	0%	0%	0%	0%	8%	7%
grade 4 events	52	69	47	57	172	988
	0%	0%	0%	0%	7%	6%
grade 5 events	38	65	49	46	158	189
	0%	0%	0%	0%	6%	1%
grade 6 events	67	72	44	70	391	1880
	1%	0%	0%	1%	16%	13%
grade 7 events	6026	6773	5889	5553	501	6955
	90%	89%	92%	89%	21%	49%

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	288.260482	288.2880367559465	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.252469	17.24542833626019	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999284	314.1477724334811	[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)	186039064.184000	186038687.80626			
Observation start date	2003-11-24T05:30:00	2003-11-24T05:24:47			
[s] Observation end time (MET)	186040354.184000	186040487.70634			
Observation end date	2003-11-24T05:51:30	2003-11-24T05:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



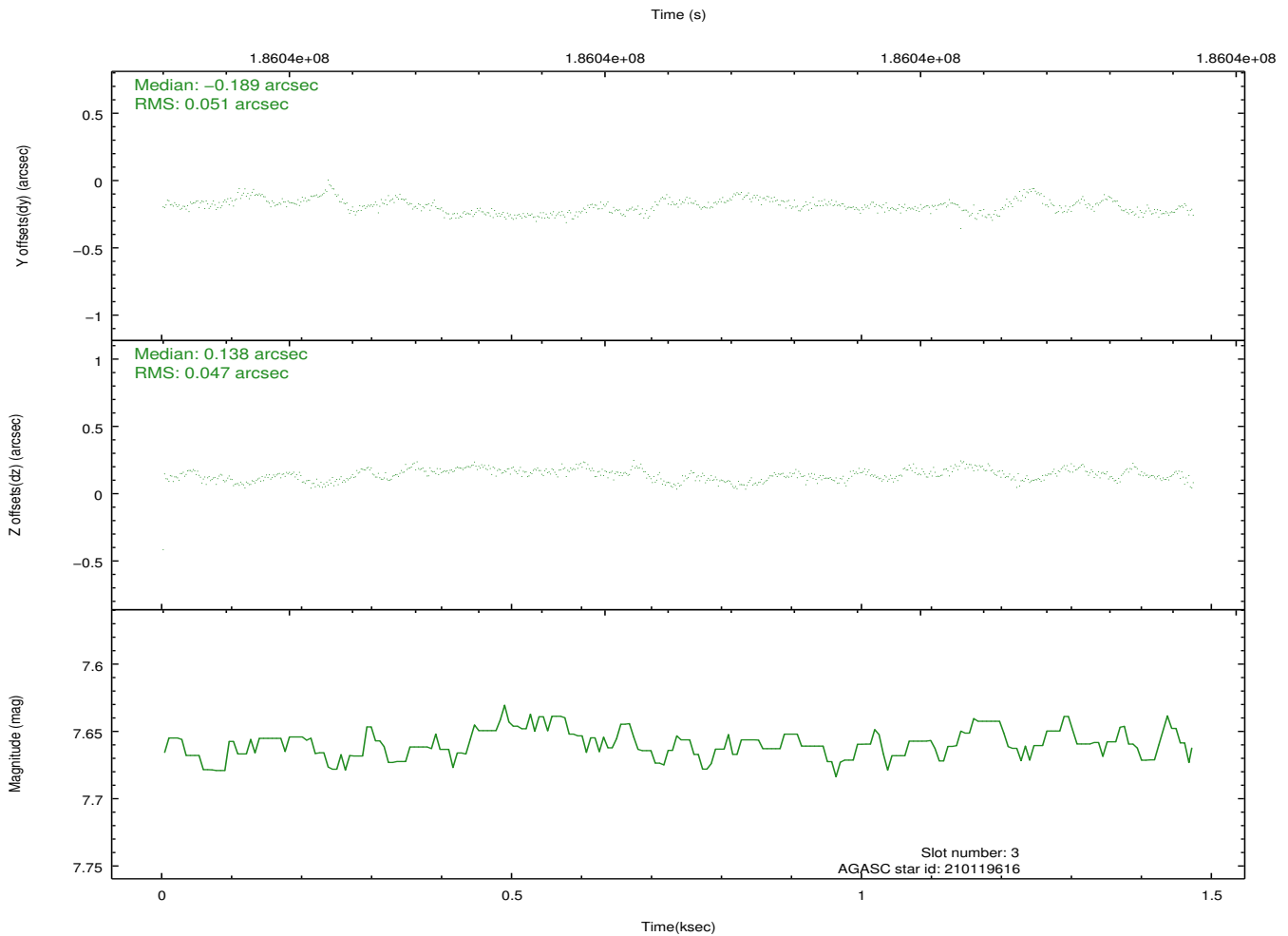
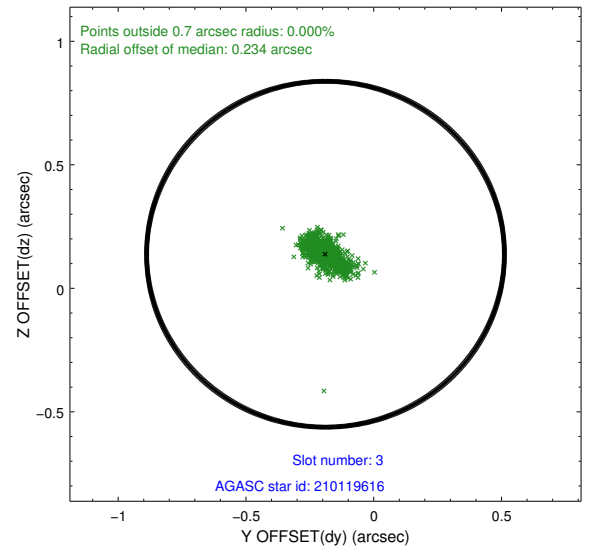
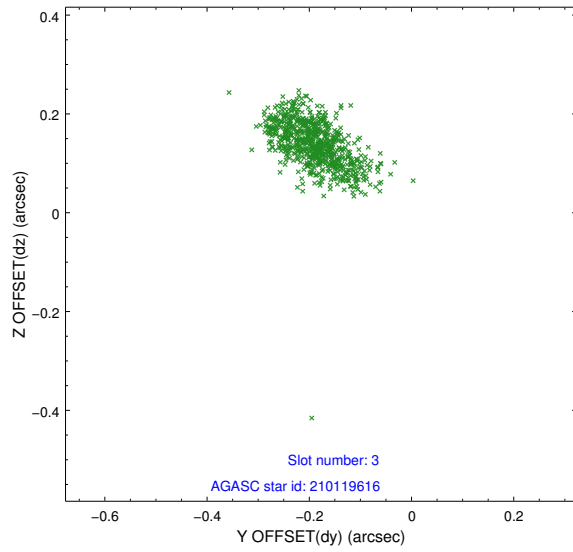


Slot Statistics

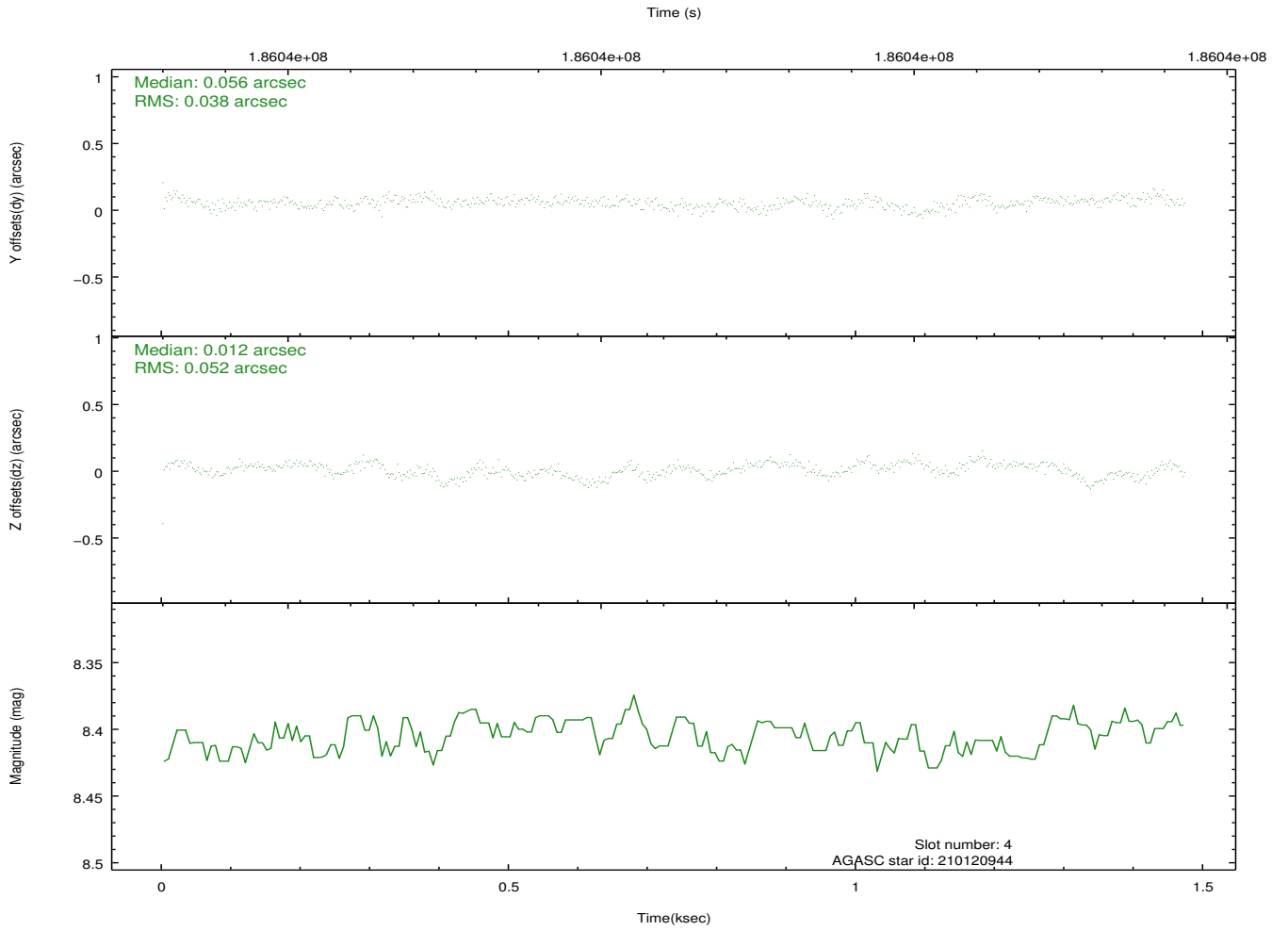
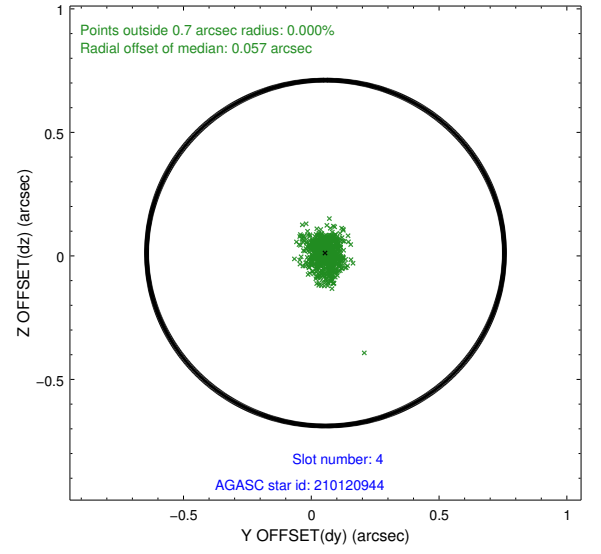
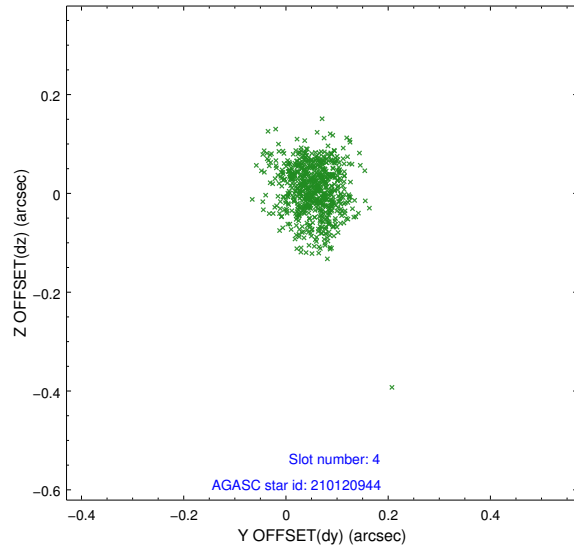
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	360	0.008	-0.057	0.008	0.014	0.000000	0.000000	935.96	-1727.81
1	FID	ACIS-S-4	7.20	360	0.038	0.040	0.006	0.010	0.000000	0.000000	2155.90	171.81
2	FID	ACIS-S-5	7.23	359	-0.074	0.030	0.006	0.011	0.000000	0.000000	-1807.19	170.48
3	GUIDE	210119616	7.66	719	-0.189	0.138	0.070	0.115	288.118619	18.001946	-2278.46	1524.97
4	GUIDE	210120944	8.41	719	0.056	0.012	0.065	0.110	288.245736	17.506735	-696.39	601.52
5	GUIDE	209585448	7.94	719	-0.032	-0.087	0.056	0.090	288.114724	16.850123	693.48	-1366.58
6	GUIDE	209585808	9.58	718	0.116	-0.043	0.098	0.155	288.224102	16.655071	1461.65	-1585.90
7	GUIDE	209597336	9.65	718	0.052	-0.015	0.098	0.159	288.296770	16.634934	1688.97	-1456.20

2.4 Star Slots

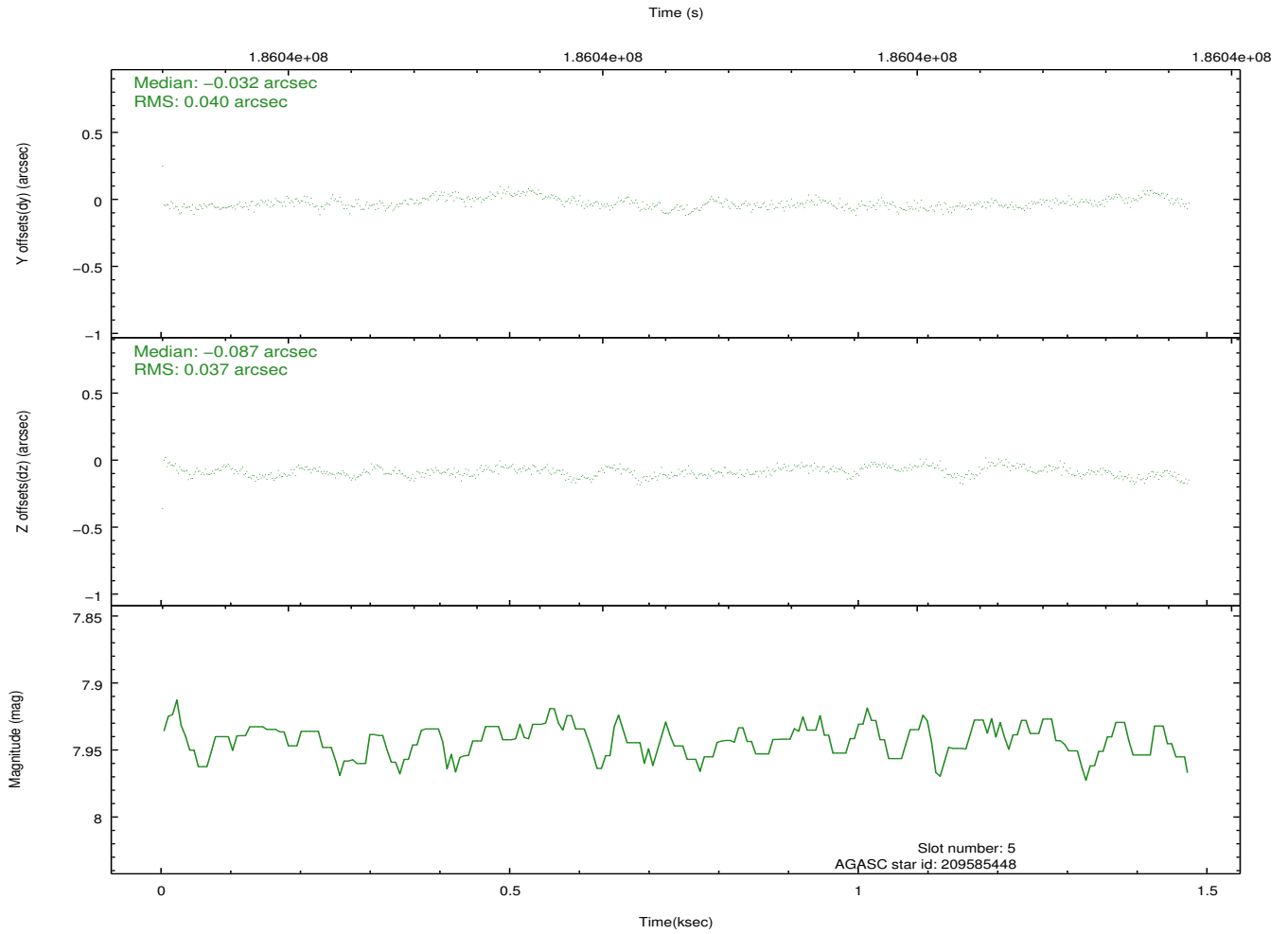
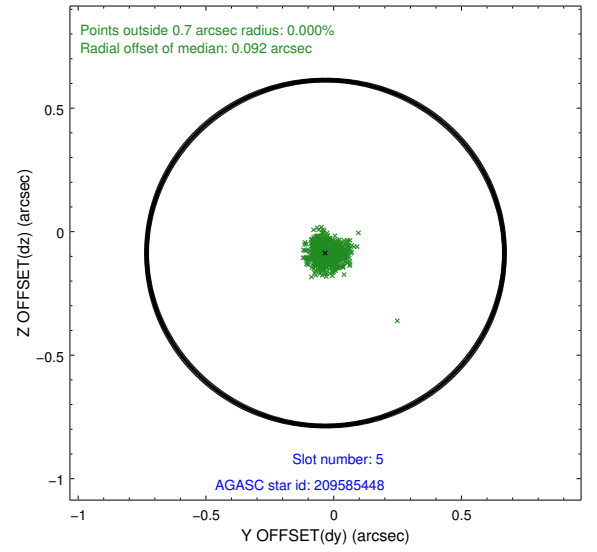
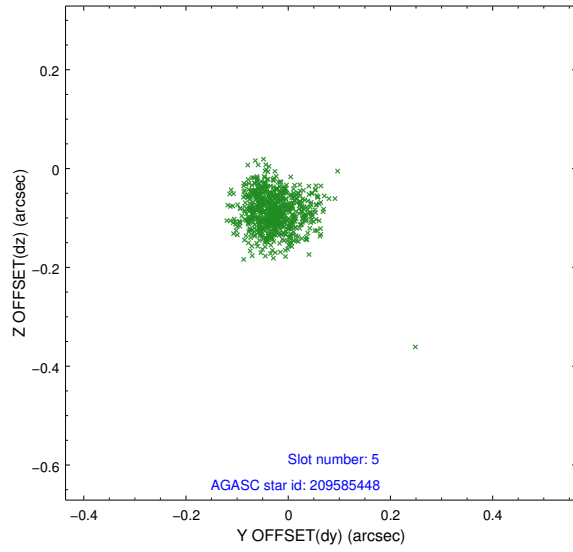
2.4.1 Slot 3



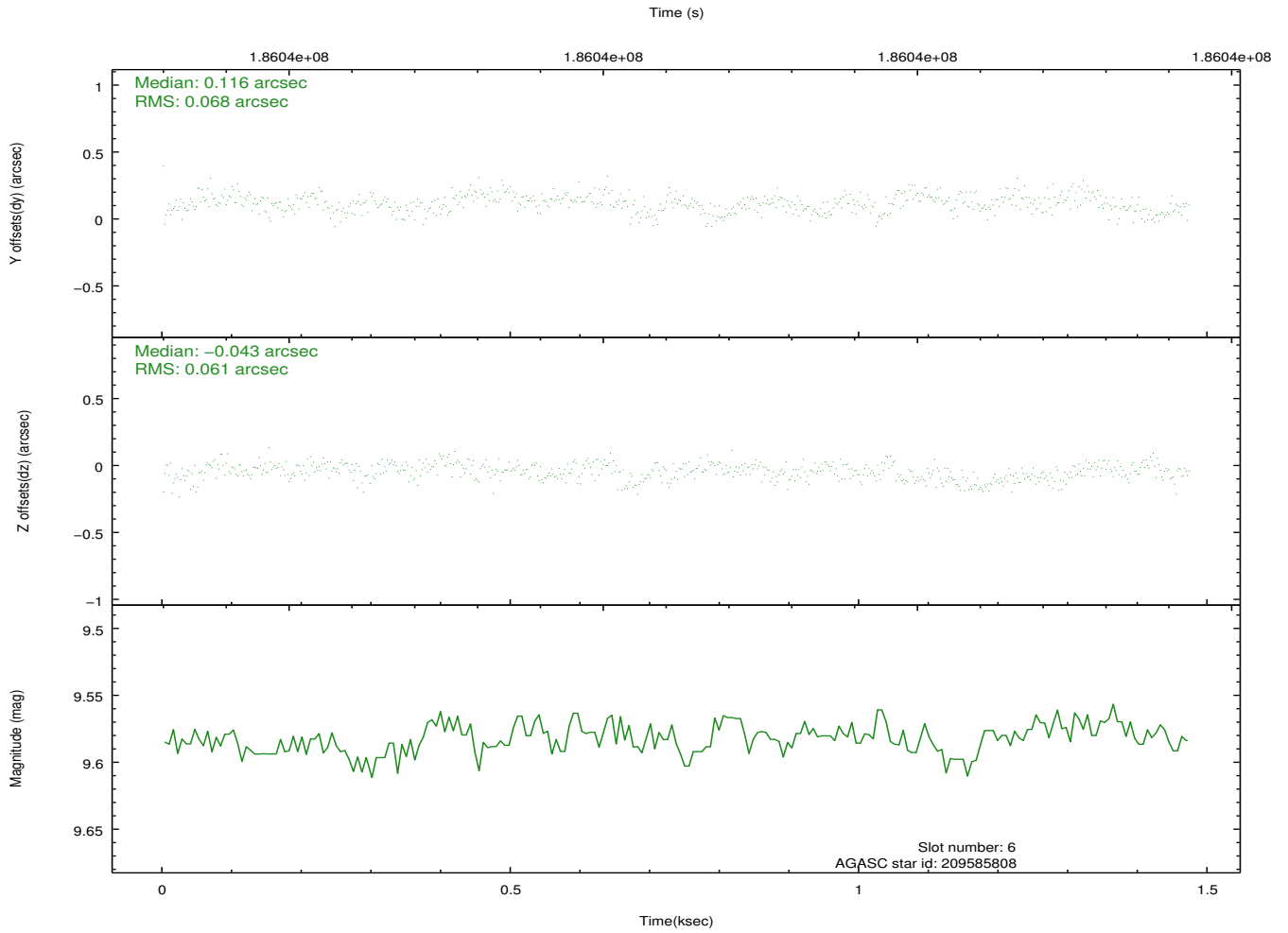
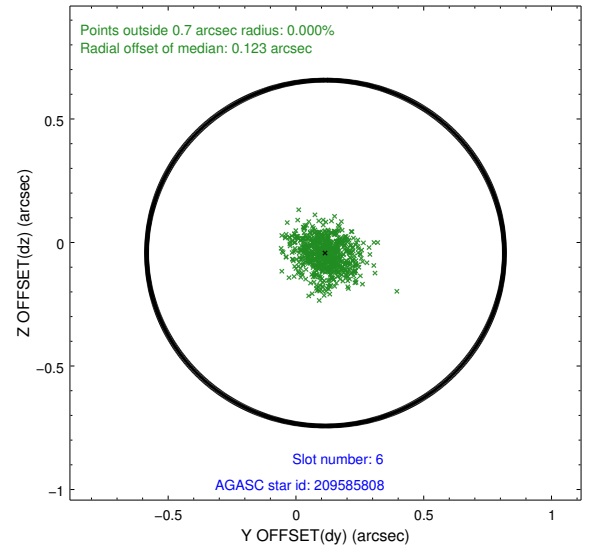
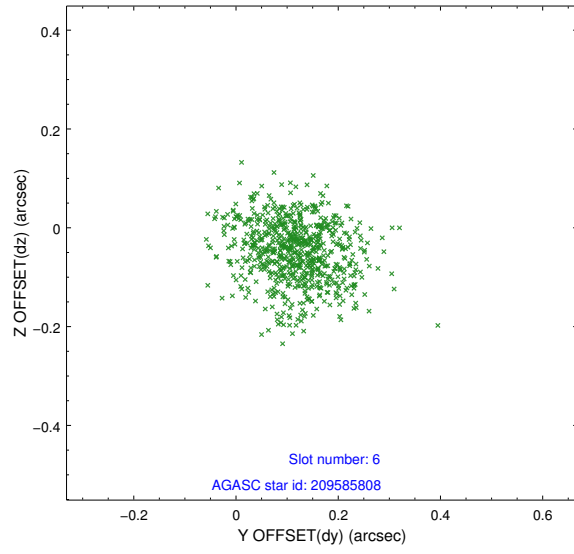
2.4.2 Slot 4



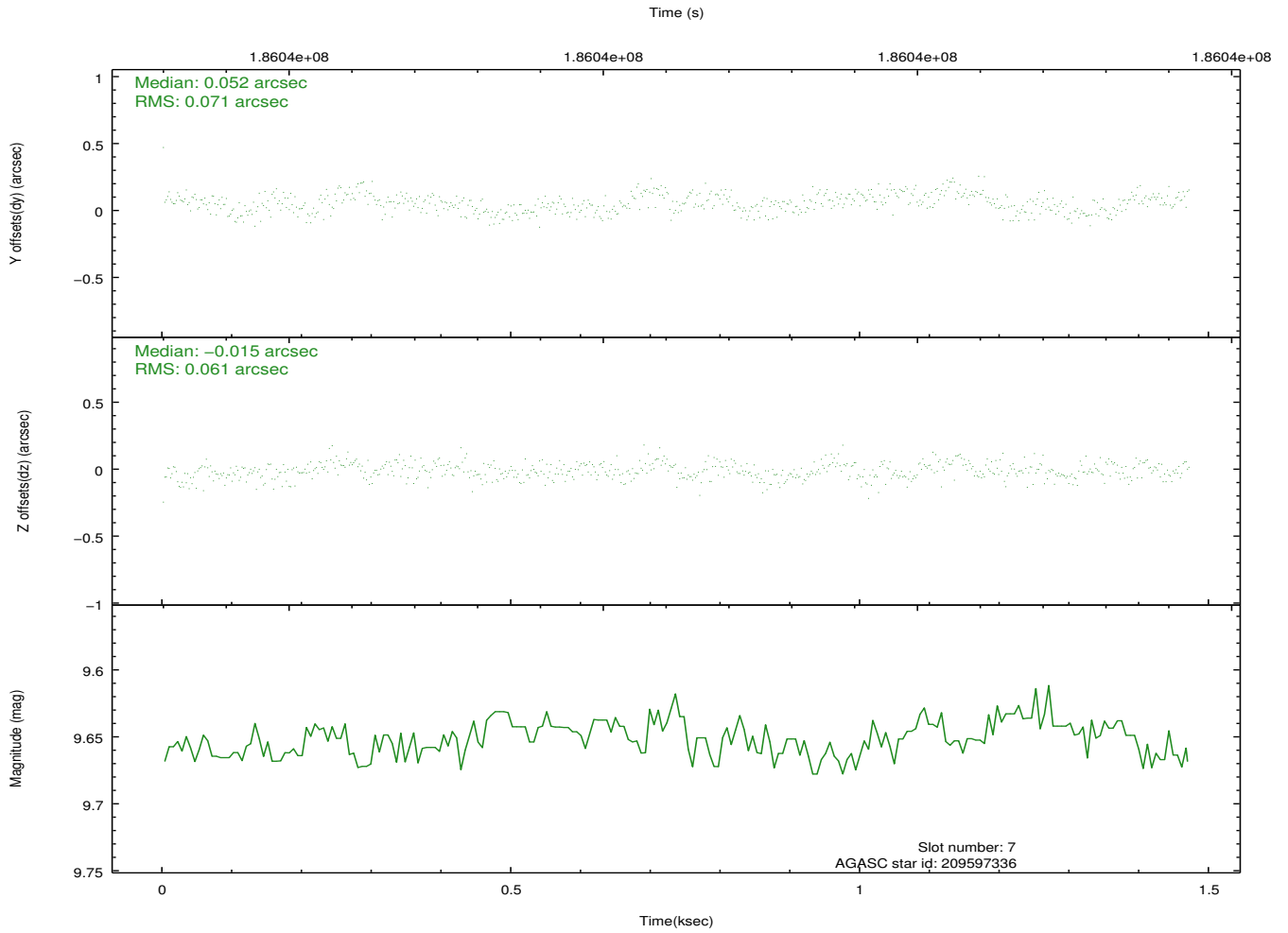
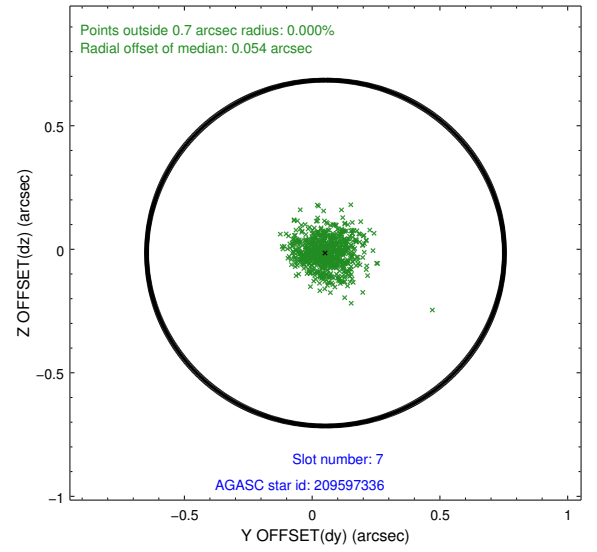
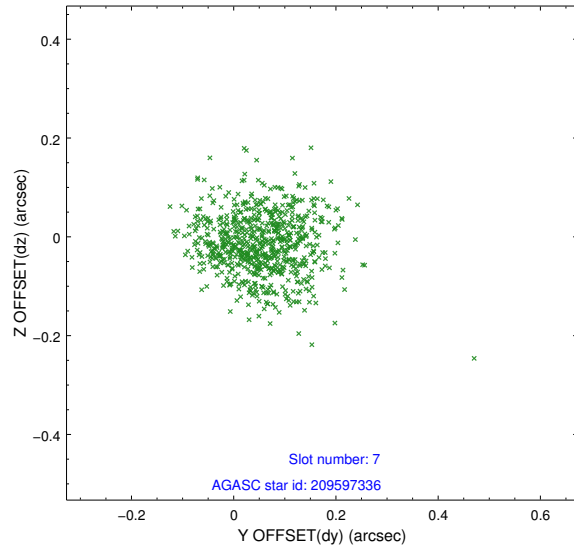
2.4.3 Slot 5



2.4.4 Slot 6

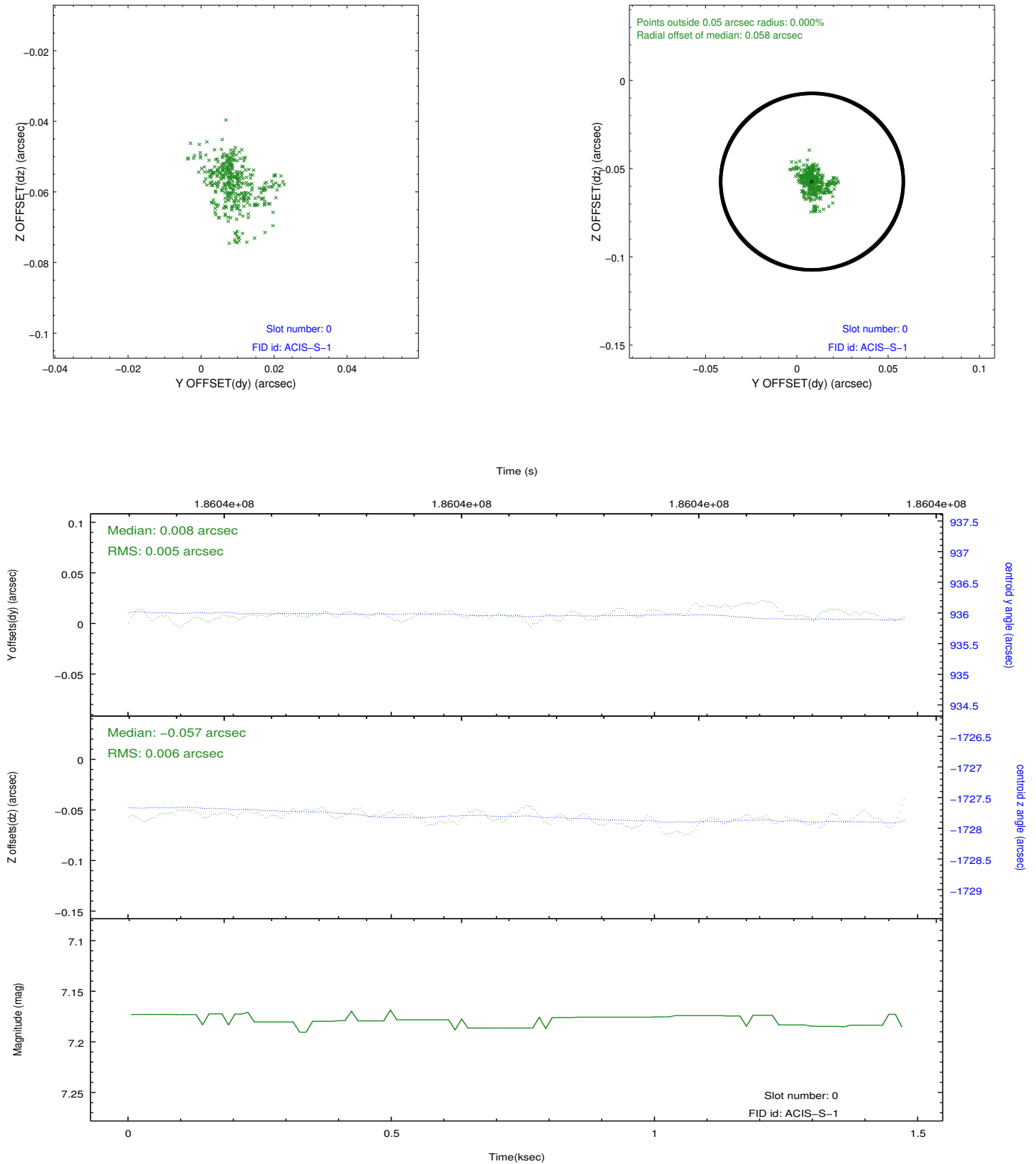


2.4.5 Slot 7

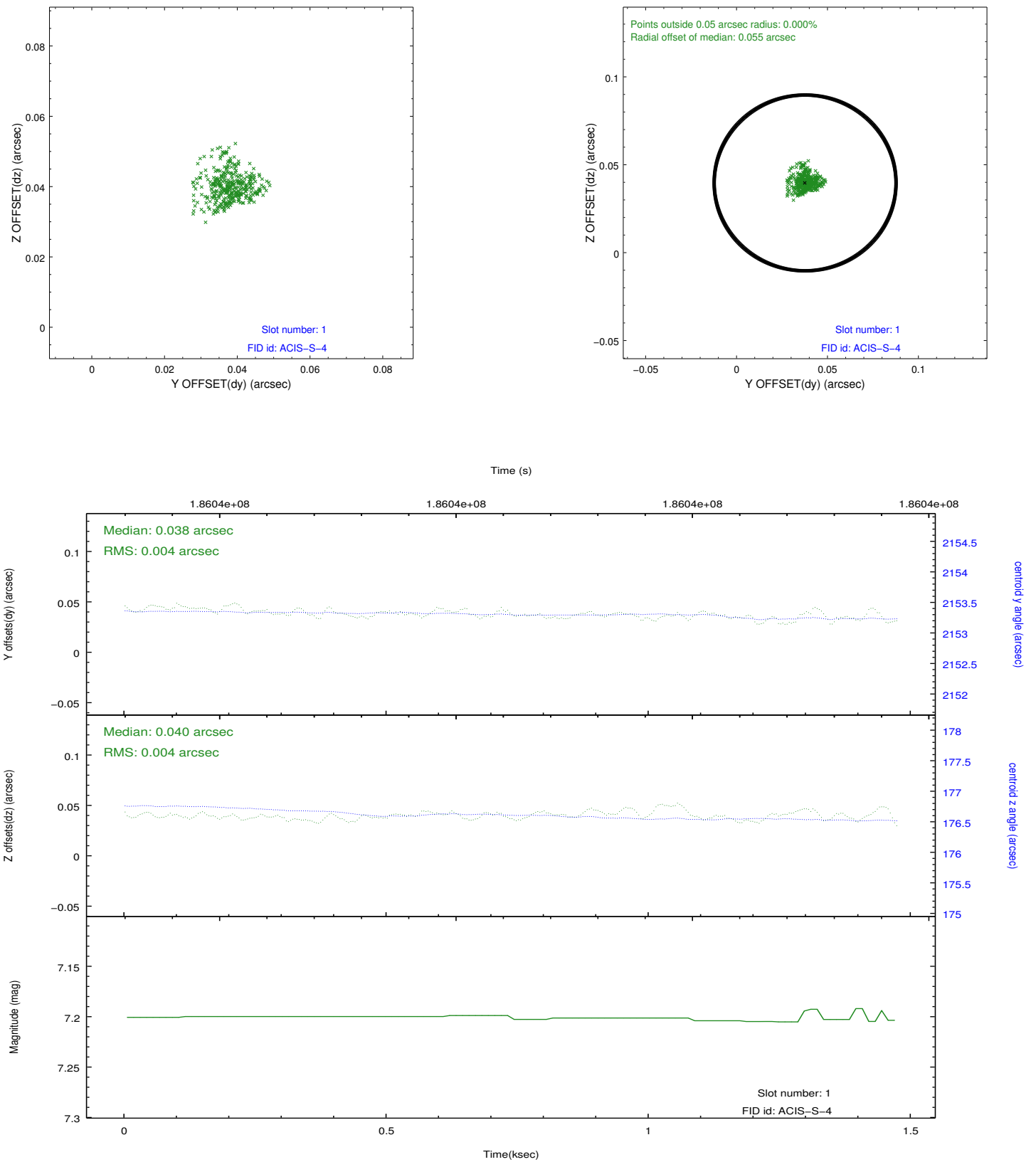


2.5 FID Slots

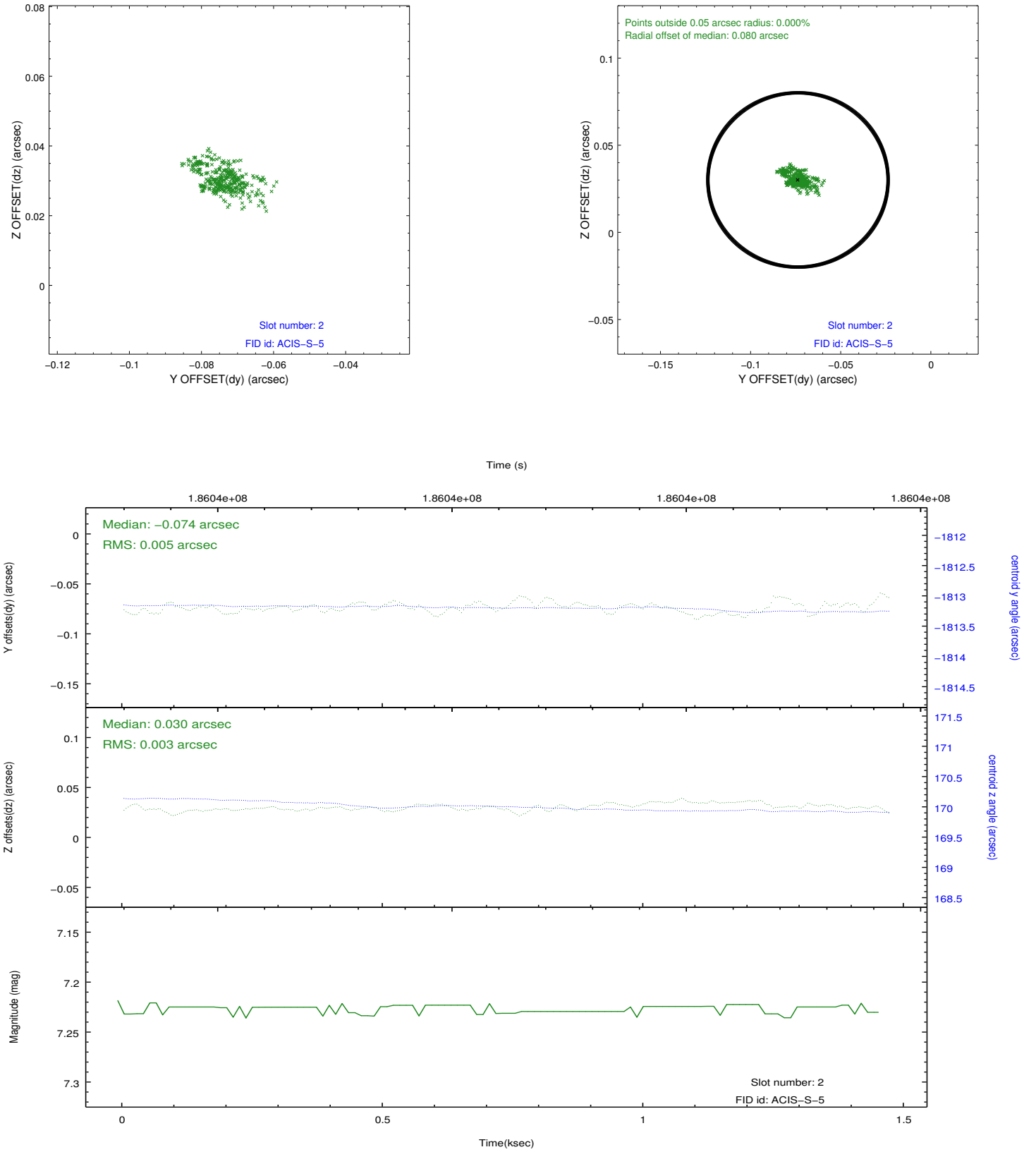
2.5.1 Slot 0



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)	2012.11.30
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.