

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15019 - L2 Version 2
Chandra X-Ray Center

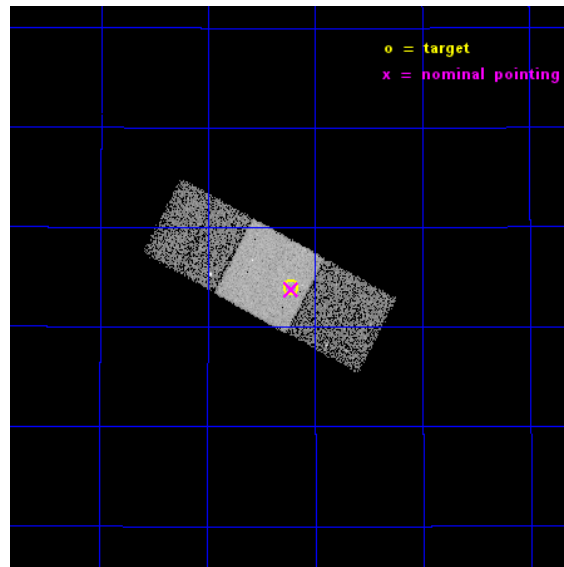
L2 Processing Date : Dec 1 2014

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1 Front

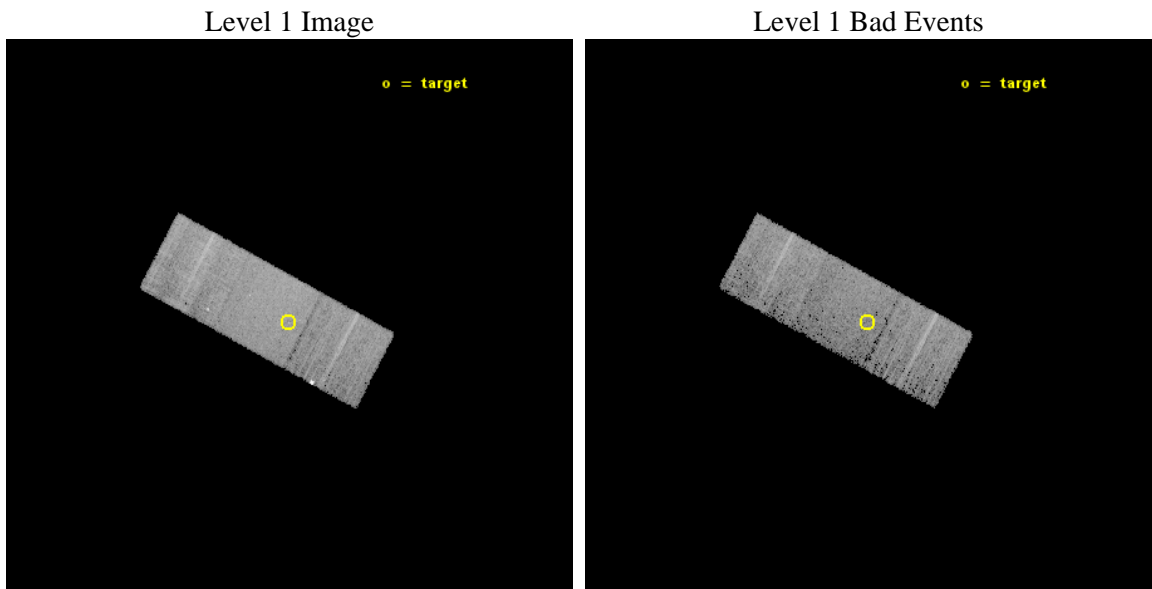
seq_num	702827	Sequence number
obs_id	15019	Observation id
title	Testing the slim disk scenario for active intermediate mass black holes	Proposal title
observer	Elena Gallo	Principal investigator
object	SDSS J084013.23+412357.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.055417	Observer's specified target RA [deg]
dec_targ	41.399306	Observer's specified target Dec [deg]
ra_nom	130.05514400007	Nominal RA [deg]
dec_nom	41.396273226133	Nominal Dec [deg]
roll_nom	208.14450368124	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9078.5554665923	Sum of GTIs [s]
livetime	8959.937455886	Livetime [s]
ontime6	9078.514426589	Sum of GTIs [s]
ontime7	9078.5554665923	Sum of GTIs [s]
ontime8	9078.4733865857	Sum of GTIs [s]
l2events	40627	Number of level 2 events



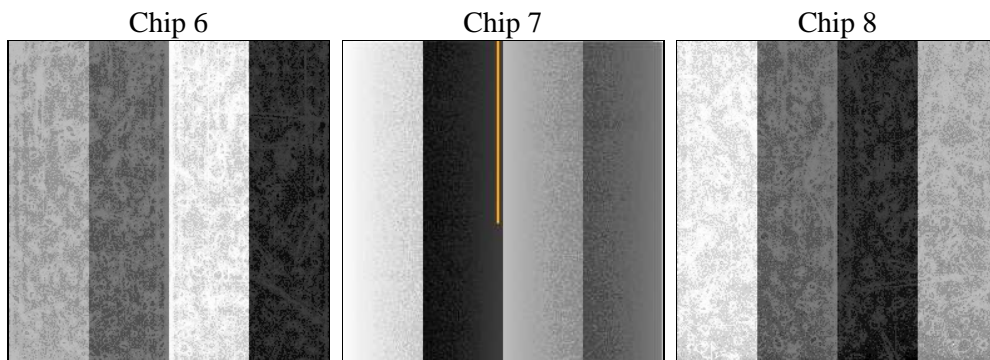
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	9078.5554665923	Sum of GTIs [s]
caldsver	4.6.4	 	ontime6	9078.514426589	Sum of GTIs [s]
date	2014-12-01T11:23:03	Date and time of file creation	ontime7	9078.5554665923	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	9078.4733865857	Sum of GTIs [s]
			l1events	189418	Number of level 1 events

2.1.4 Events

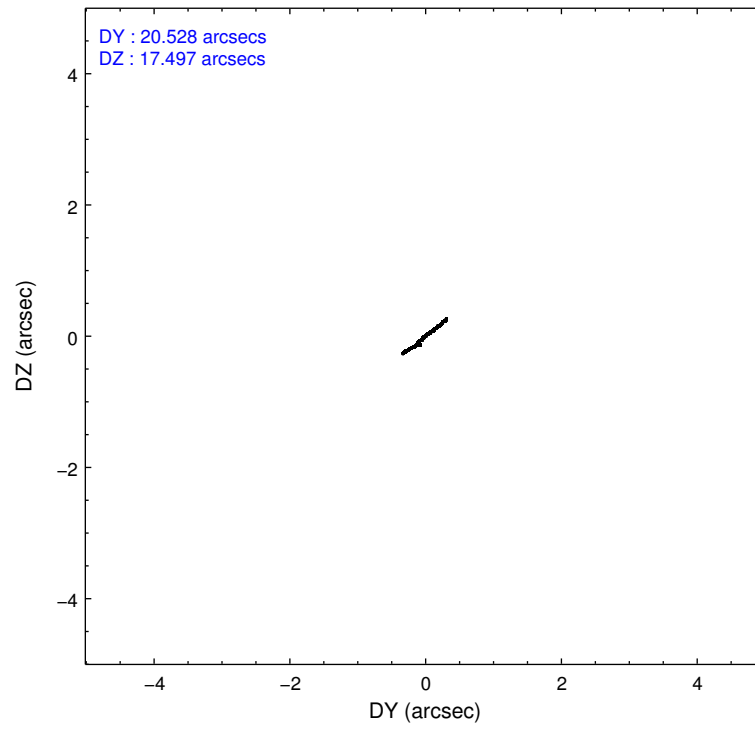
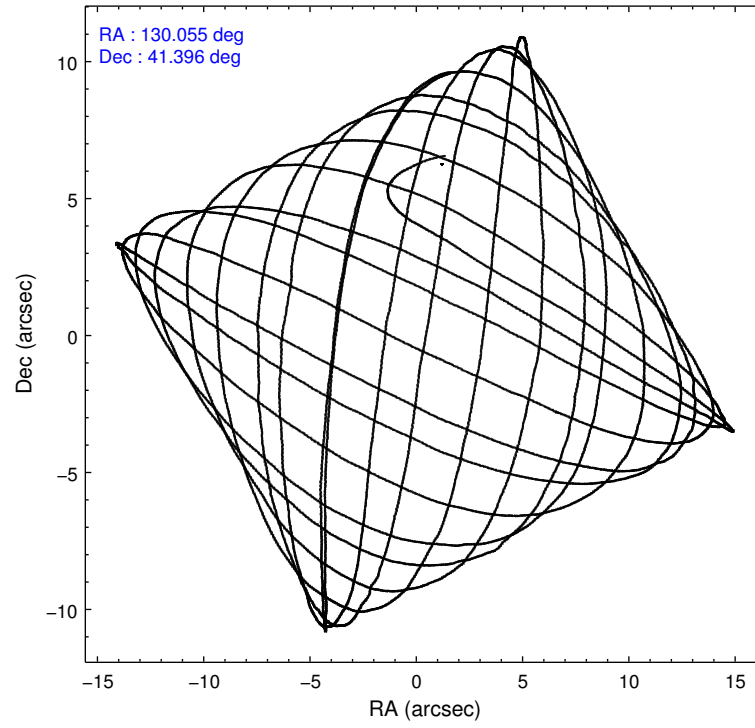
	ccd 6	ccd 7	ccd 8
level 1 events	53601	67323	68494
rejected events	44672	37673	49580
rejected %	83%	55%	72%

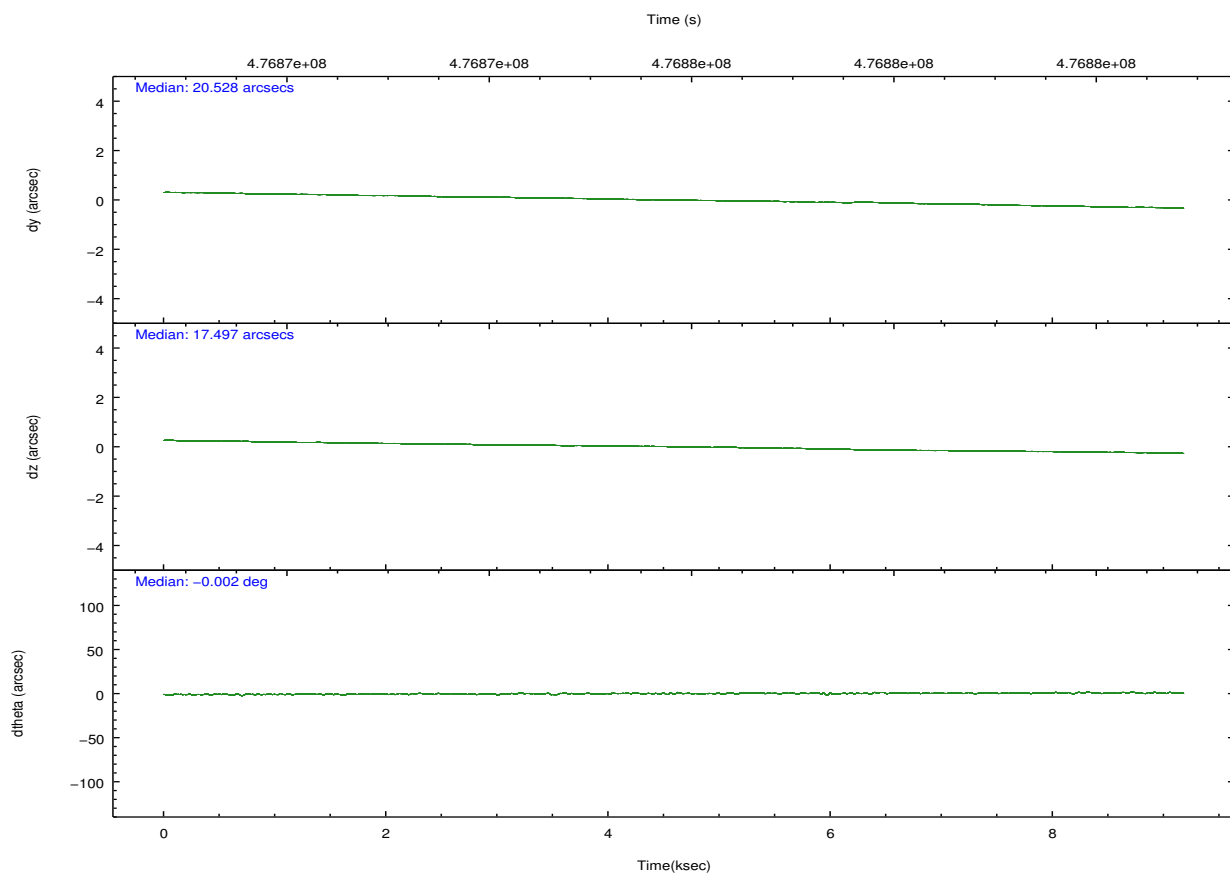
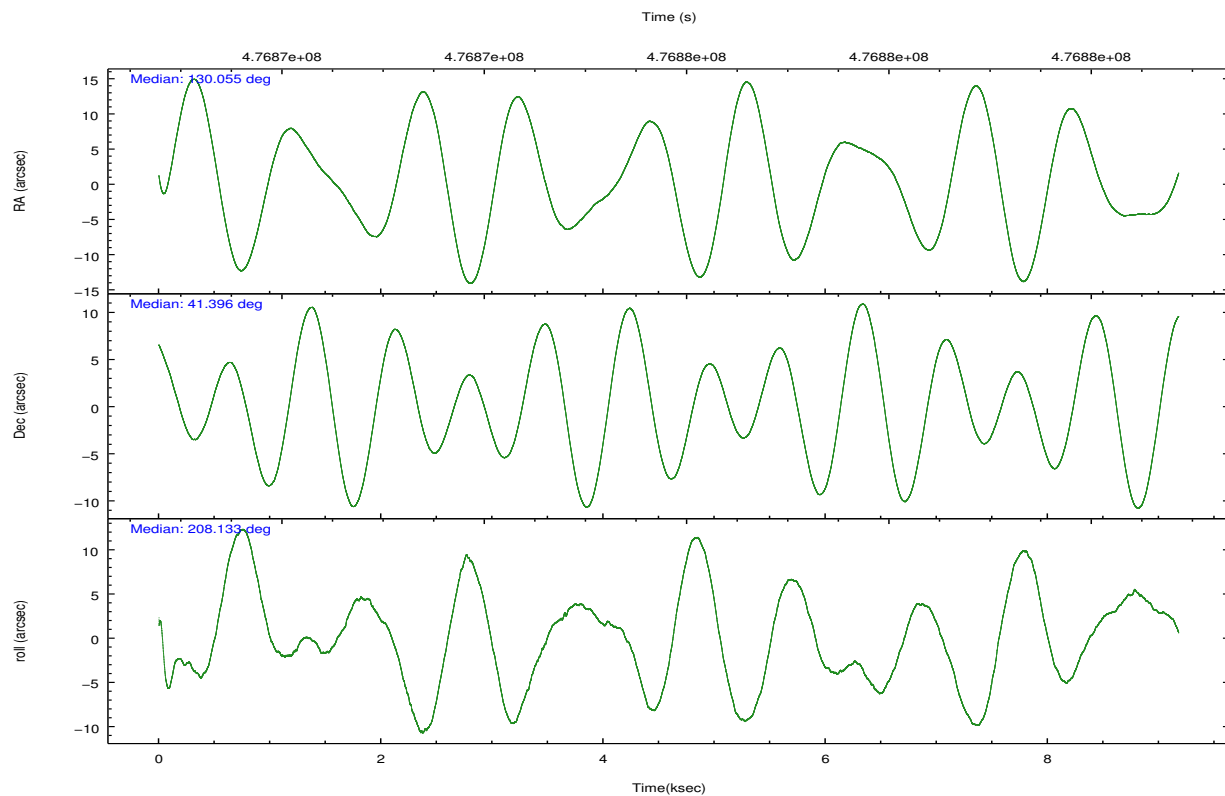
	ccd 6	ccd 7	ccd 8
grade 0 events	4895	2593	5694
	9%	3%	8%
grade 1 events	30	56	60
	0%	0%	0%
grade 2 events	1364	6066	4207
	2%	9%	6%
grade 3 events	637	2508	2125
	1%	3%	3%
grade 4 events	600	2454	1989
	1%	3%	2%
grade 5 events	2609	6917	3708
	4%	10%	5%
grade 6 events	1438	16041	4904
	2%	23%	7%
grade 7 events	42028	30688	45807
	78%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	130.073929	130.0551440000684	CCD I2 on	N	N
[deg] Pointing Dec	41.419707	41.39627322613318	CCD I3 on	N	N
[deg] Pointing Roll	207.975436	208.1445036812391	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	476871414.184000	476870402.34178	CCD S5 on	N	N
Observation start date	2013-02-10T08:15:47	2013-02-10T08:00:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	476880414.184000	476881463.62988	On-chip summing requested	N	N
Observation end date	2013-02-10T10:45:47	2013-02-10T11:04:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



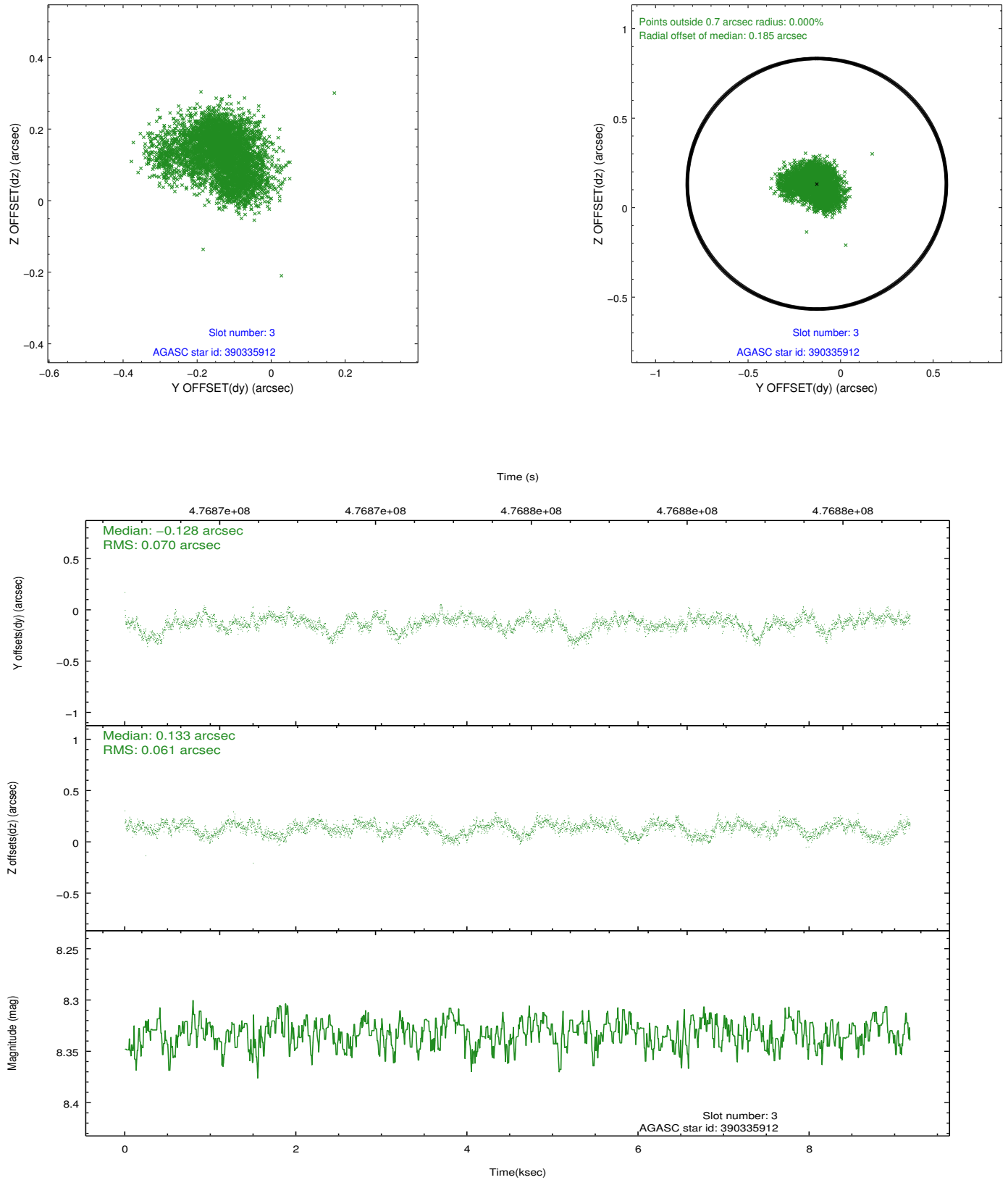


Slot Statistics

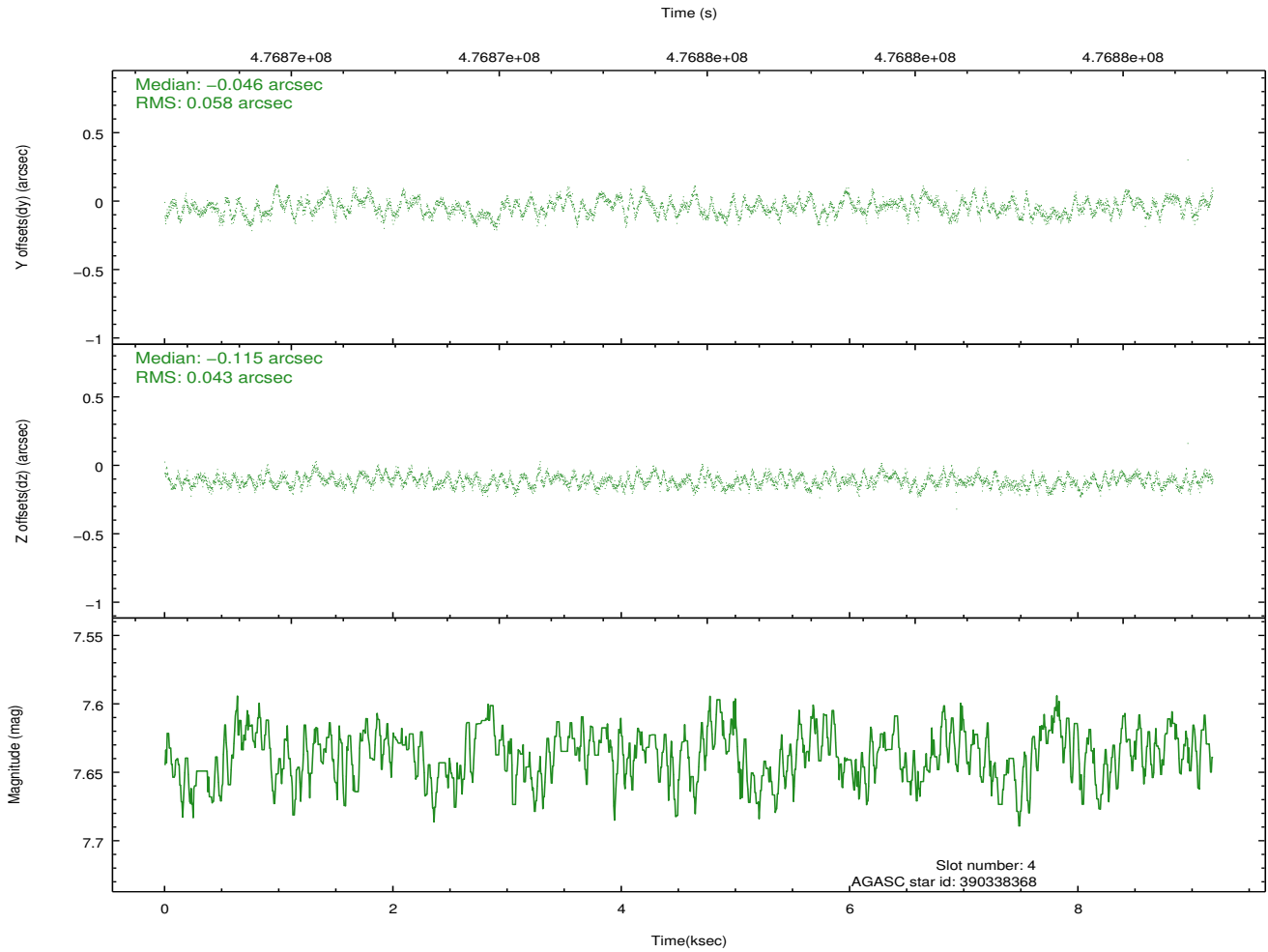
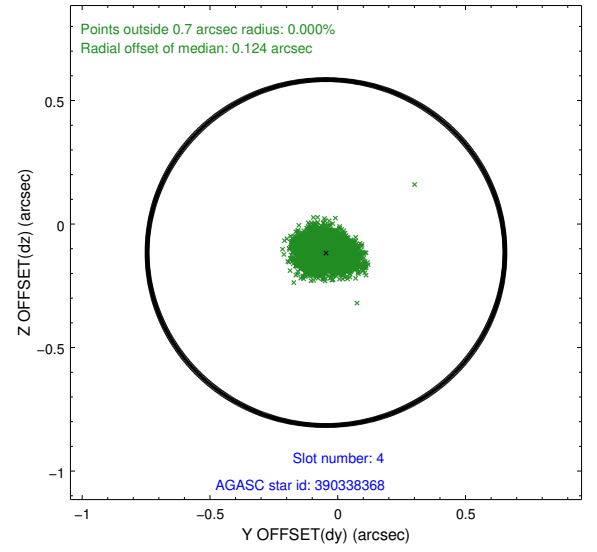
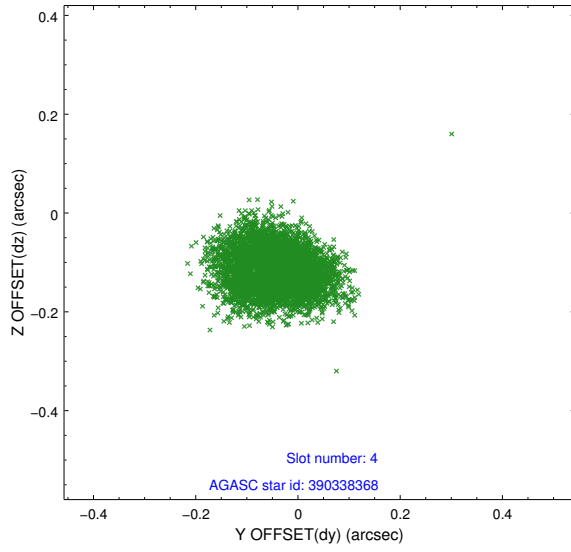
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	2240	-0.166	-0.115	0.006	0.010	0.000000	0.000000	-773.88	-1739.02
1	FID		ACIS-S-4	7.12	2239	0.200	0.081	0.006	0.010	0.000000	0.000000	2139.56	168.93
2	FID		ACIS-S-6	7.25	2239	-0.061	0.041	0.007	0.012	0.000000	0.000000	389.06	807.03
3	GUIDE	used	390335912	8.33	4468	-0.128	0.133	0.098	0.162	129.275939	41.788806	1264.50	-2186.81
4	GUIDE	used	390338368	7.64	4479	-0.046	-0.115	0.077	0.120	129.961827	41.366000	359.02	27.75
5	GUIDE	used	390344104	9.65	4466	0.028	0.093	0.147	0.250	129.207889	41.406650	2082.52	-1065.57
6	GUIDE	used	390340992	9.45	4447	0.147	-0.098	0.172	0.269	129.036351	41.473137	2375.14	-1497.45
7	GUIDE	used	391253344	9.18	4471	0.010	-0.005	0.108	0.174	130.344297	40.845963	318.67	2168.06

2.4 Star Slots

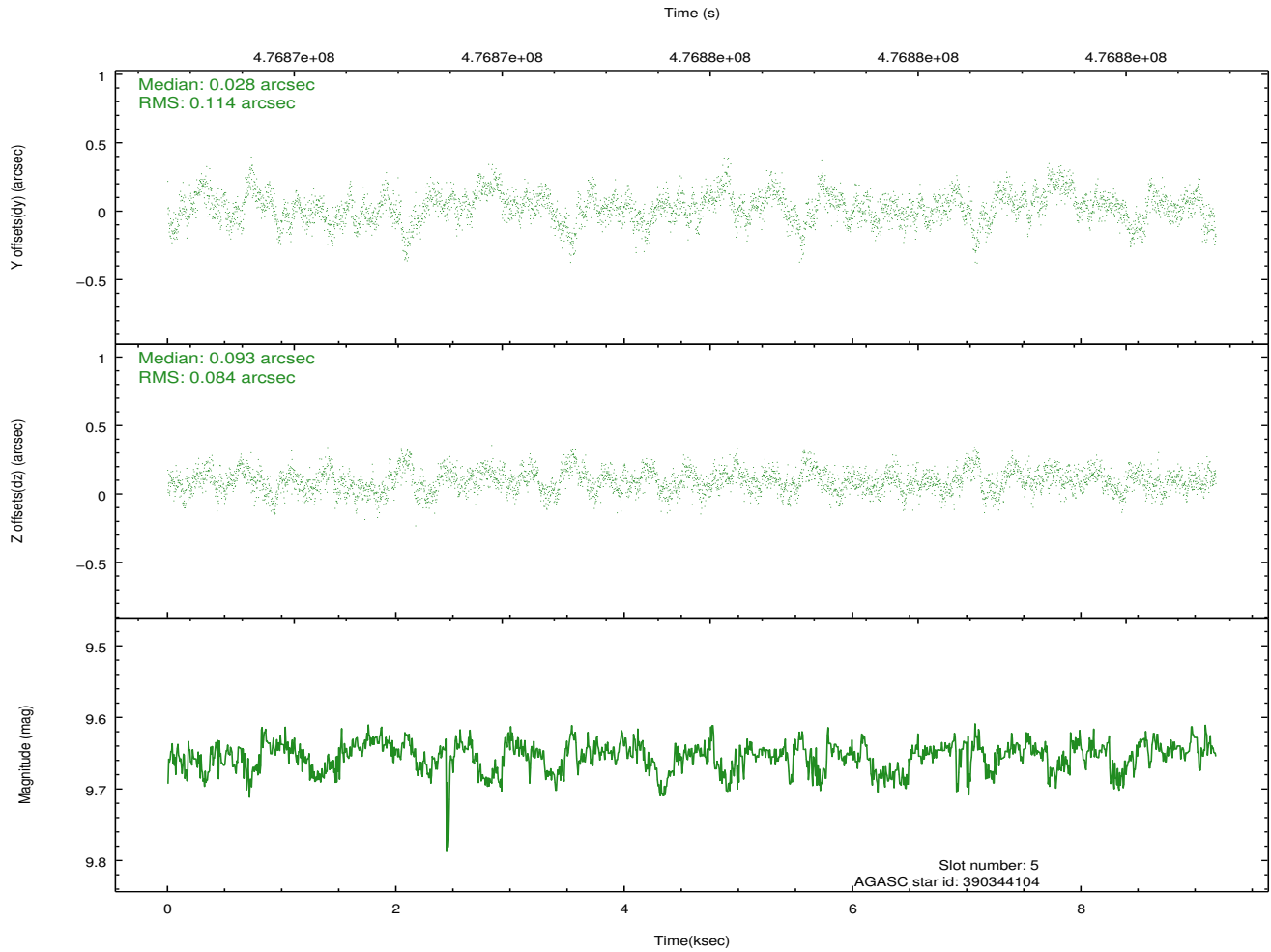
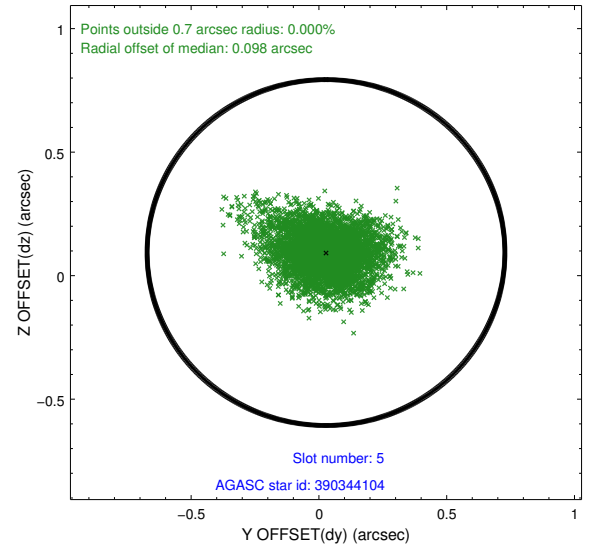
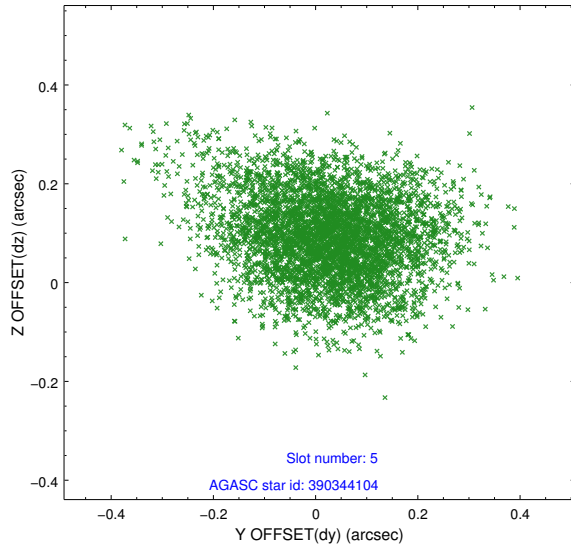
2.4.1 Slot 3



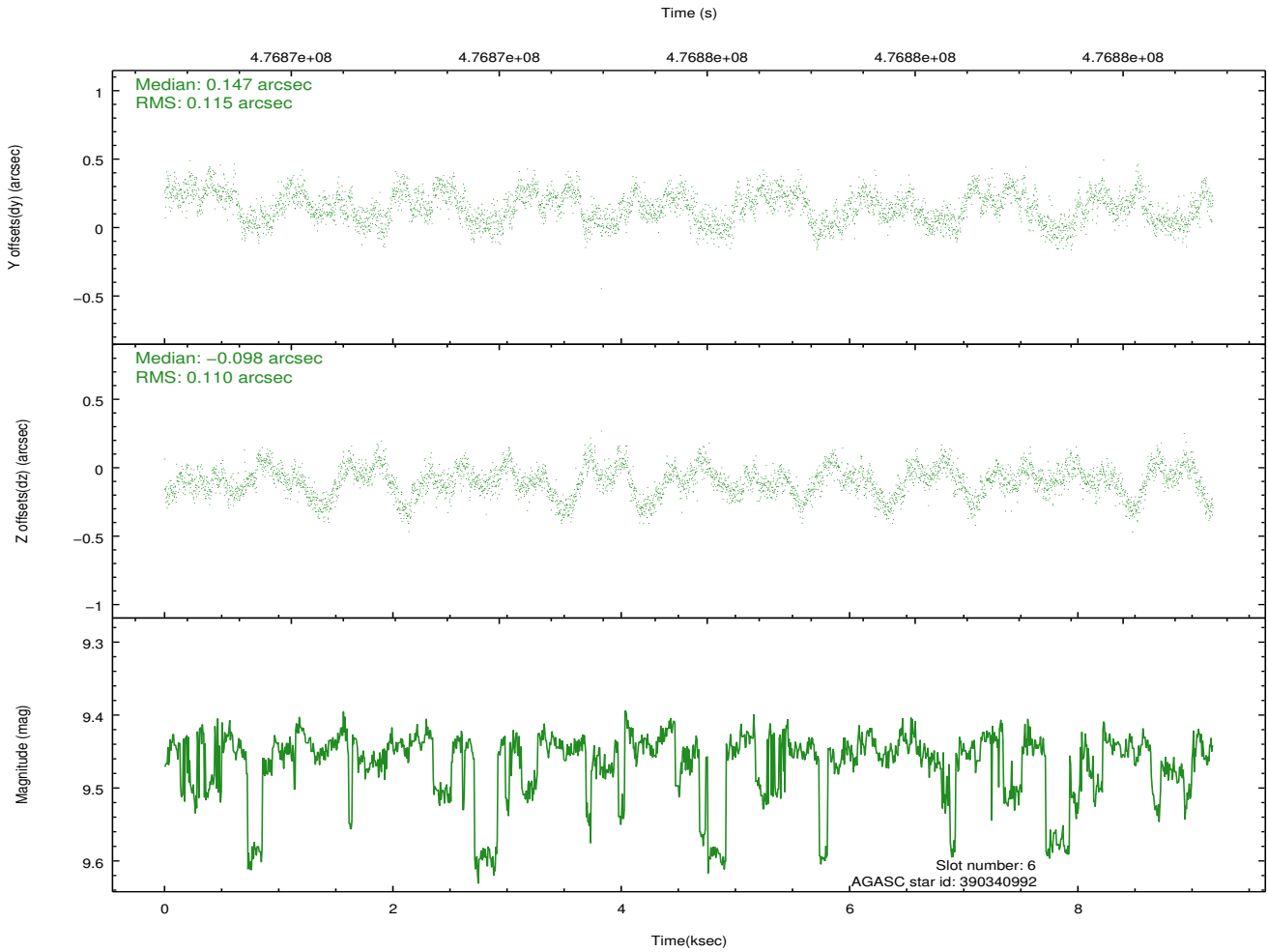
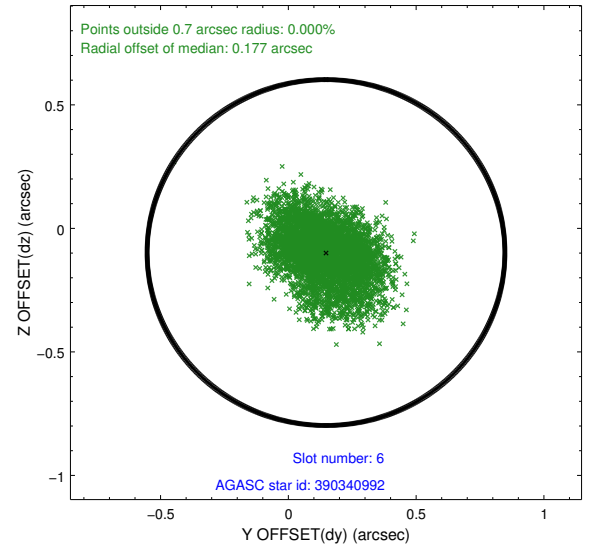
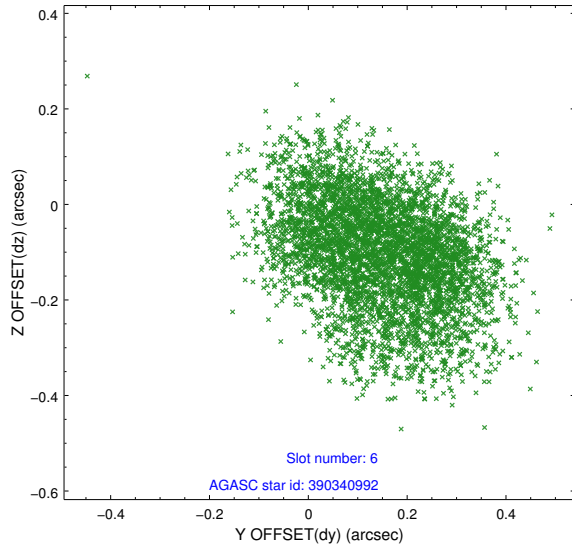
2.4.2 Slot 4



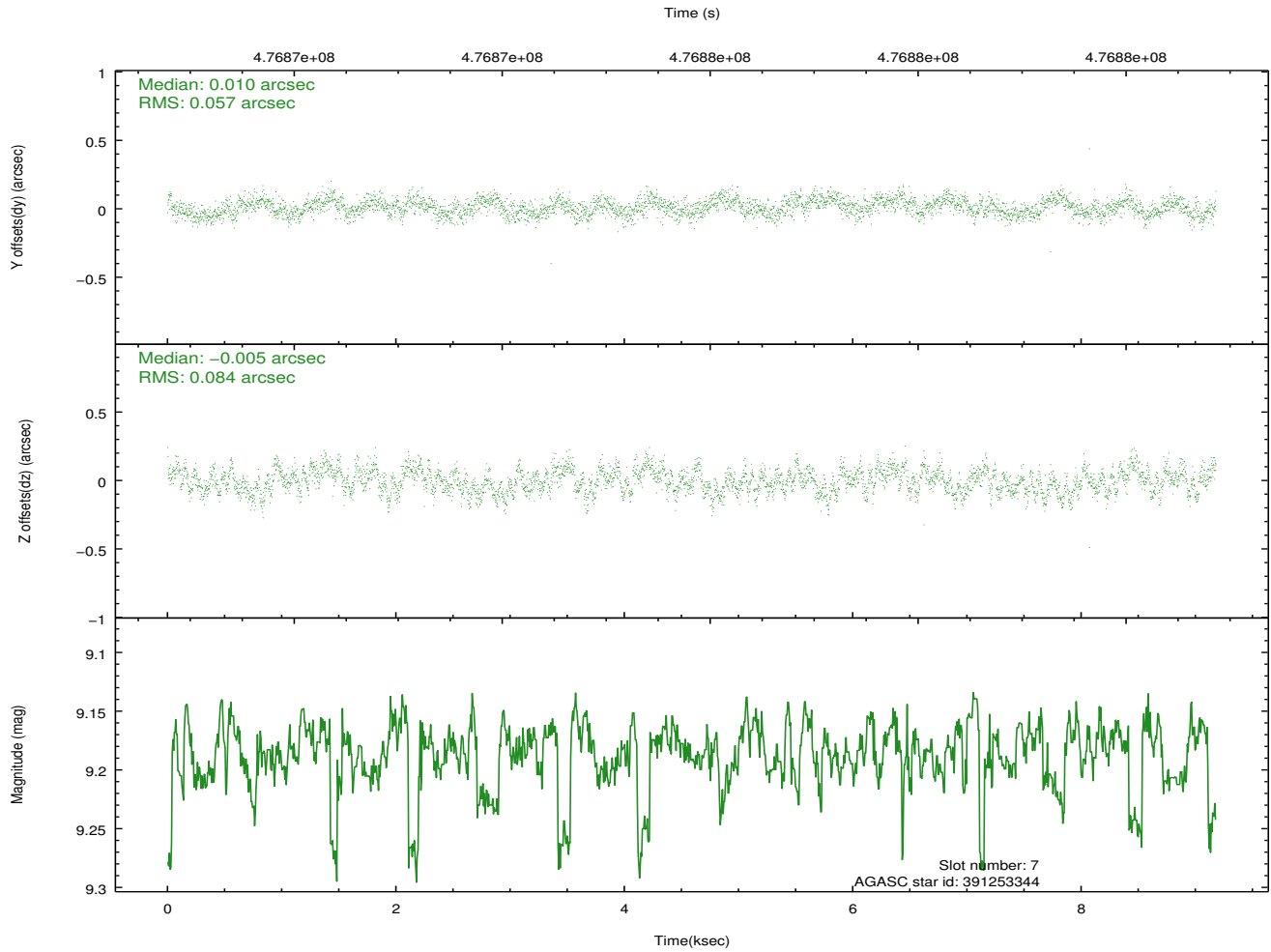
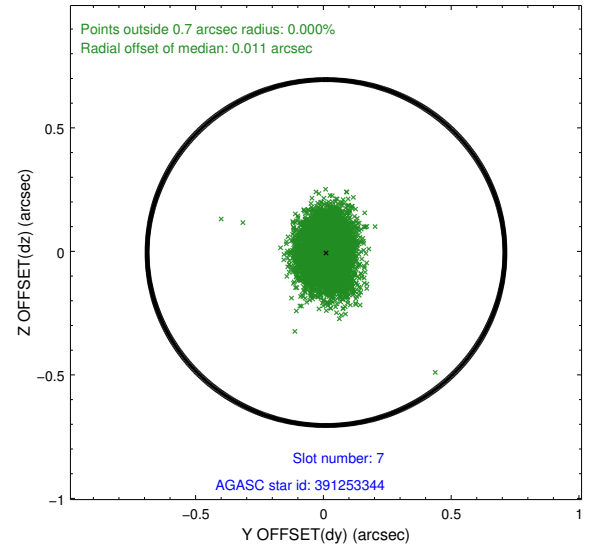
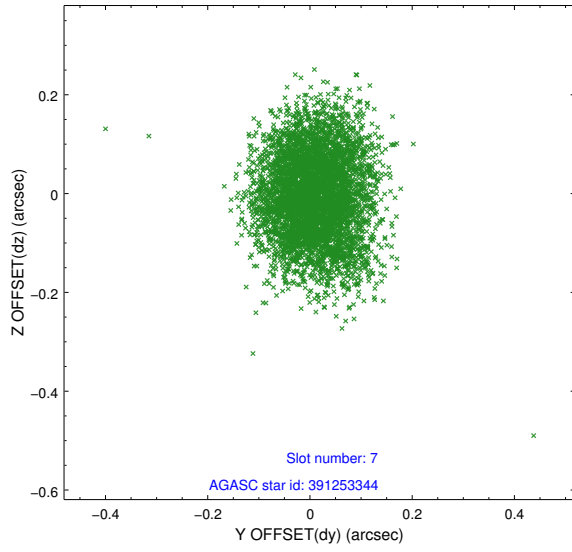
2.4.3 Slot 5



2.4.4 Slot 6

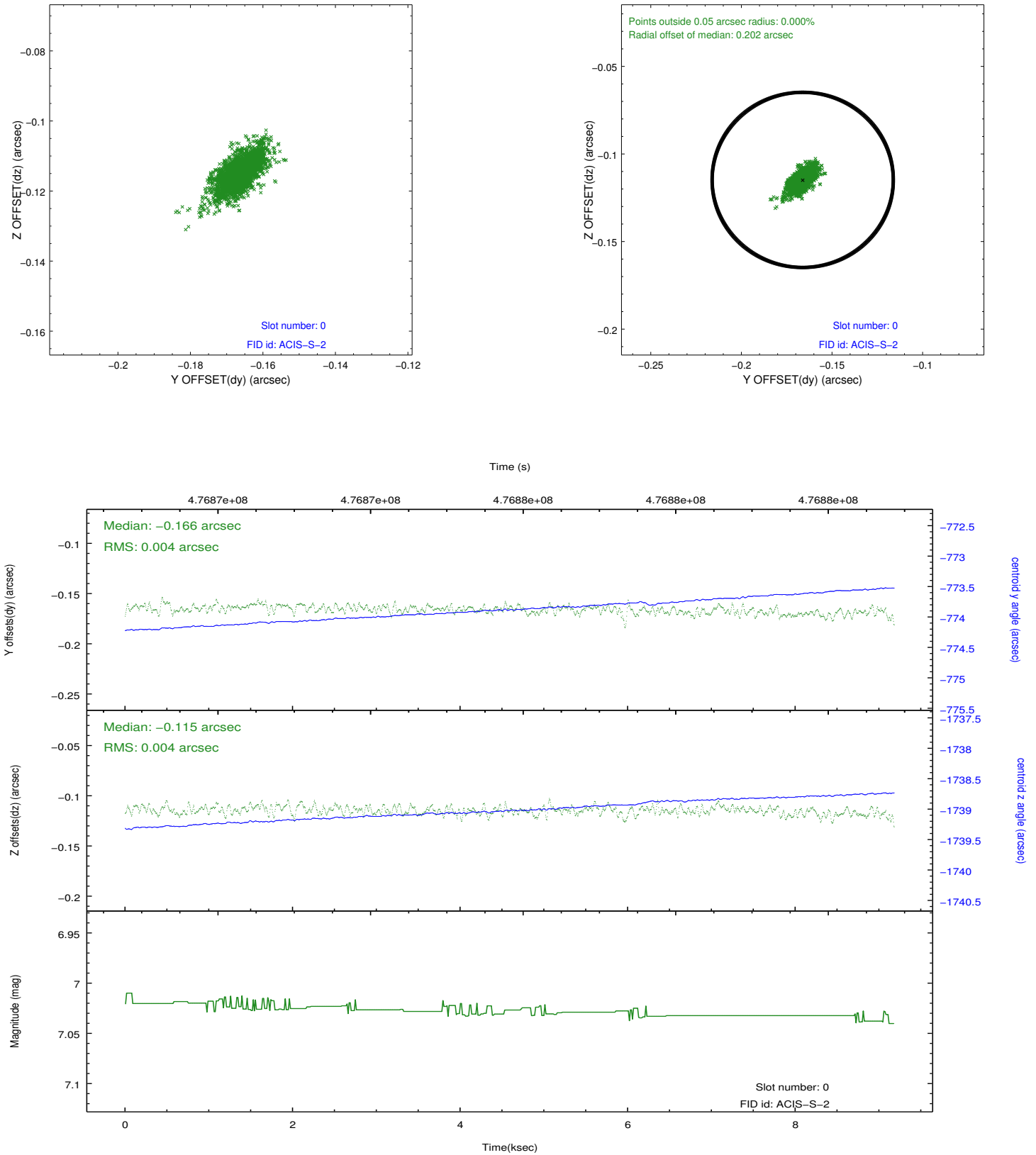


2.4.5 Slot 7

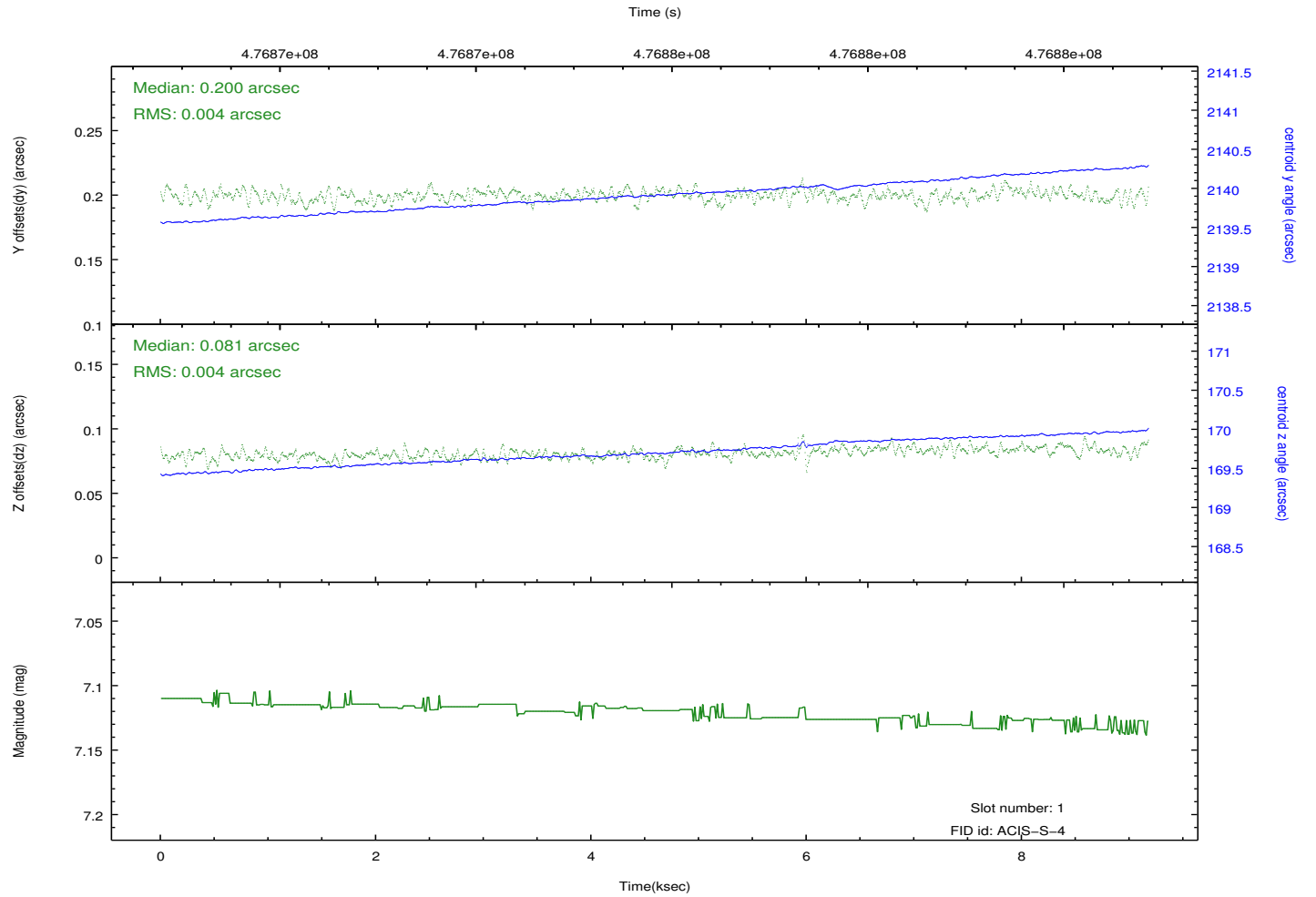
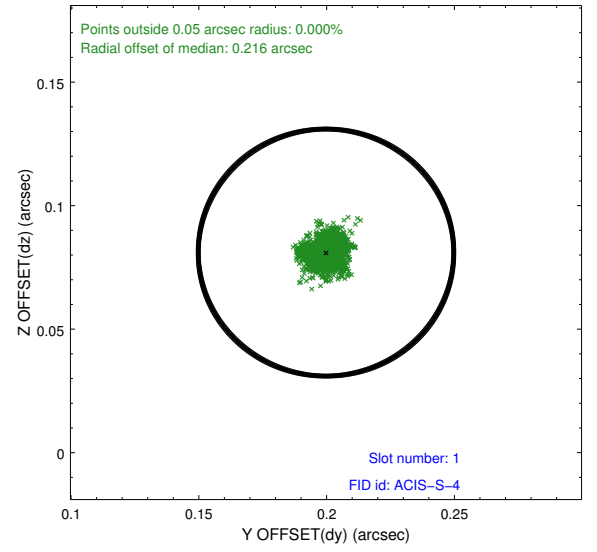
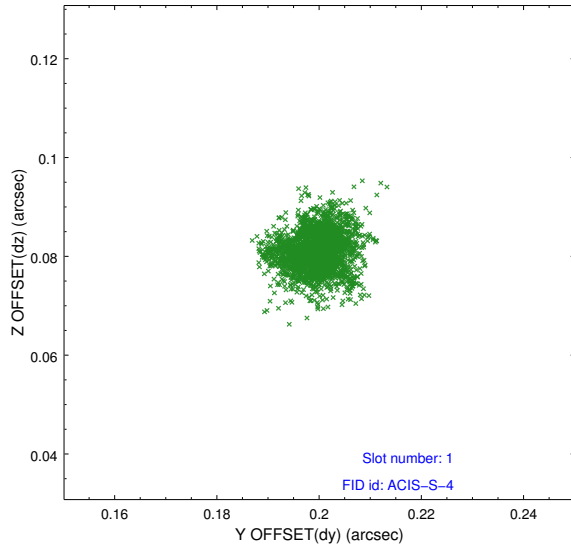


2.5 FID Slots

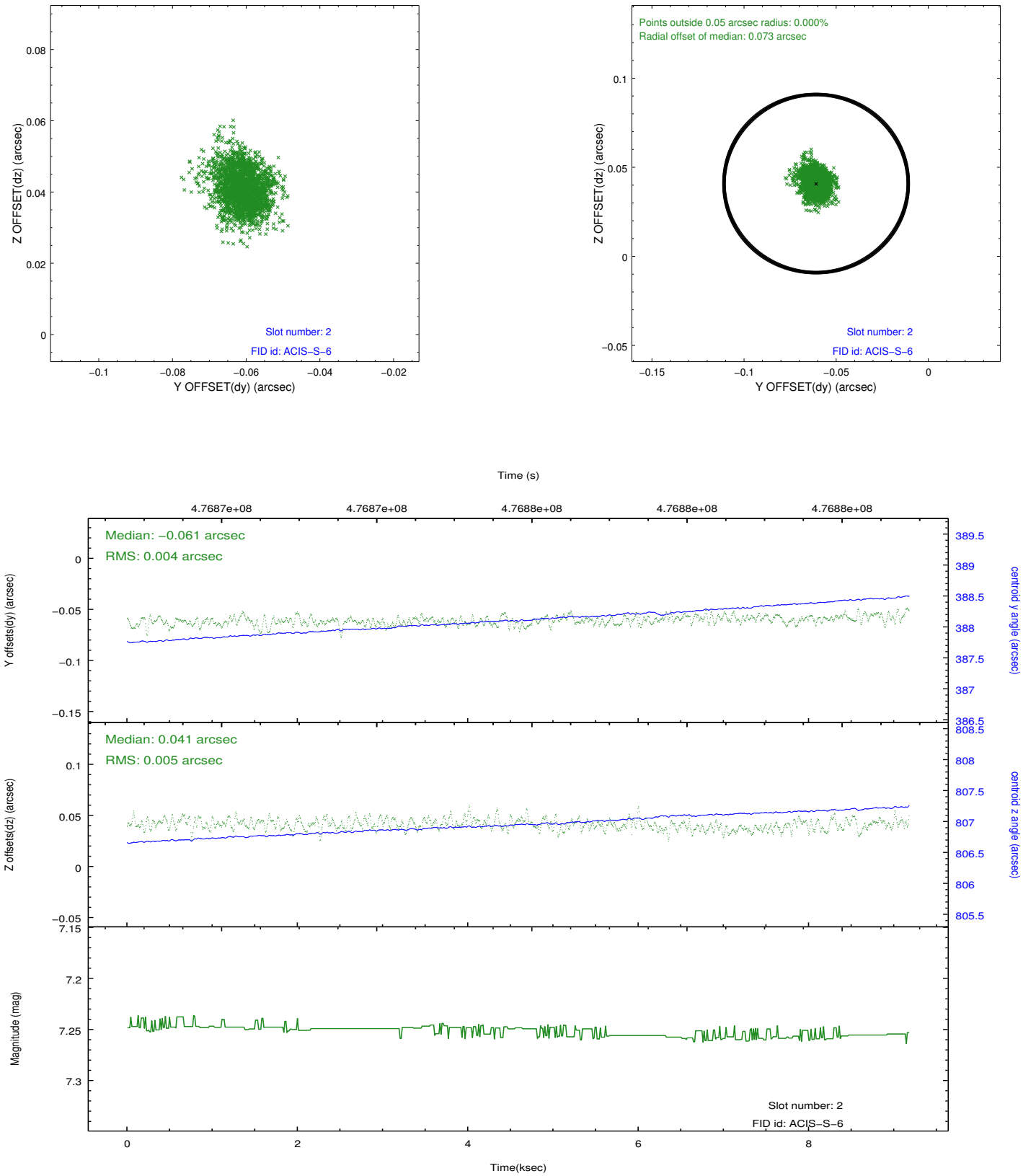
2.5.1 Slot 0



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)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.0785554665923

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.