

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4922 - L2 Version 3
Chandra X-Ray Center

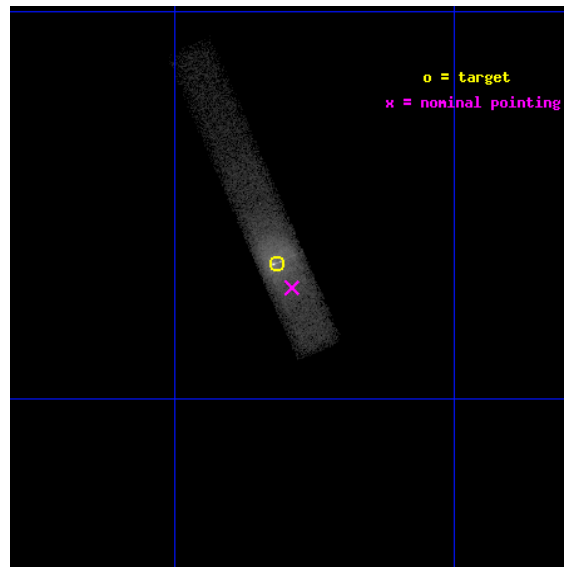
L2 Processing Date : Dec 3 2012

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1 Front

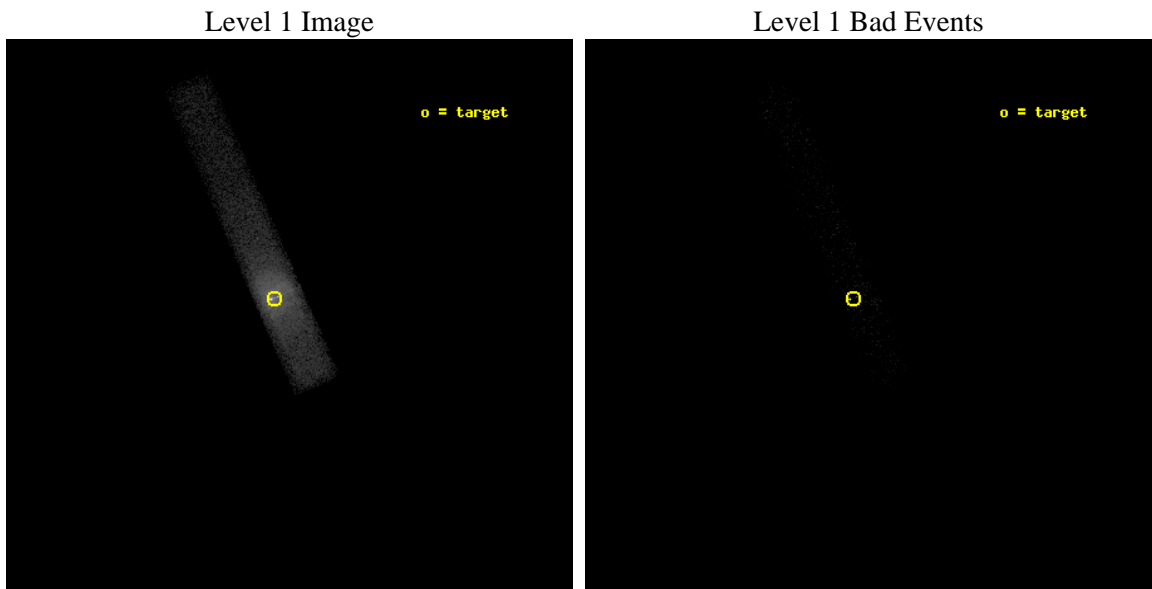
seq_num	701003	Sequence number
obs_id	4922	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69753121377	Nominal RA [deg]
dec_nom	12.381040532984	Nominal Dec [deg]
roll_nom	246.30037926093	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5009.4490185976	Sum of GTIs [s]
livetime	4543.3058394682	Livetime [s]
ontime7	5009.4490185976	Sum of GTIs [s]
l2events	57705	Number of level 2 events



2 OBI

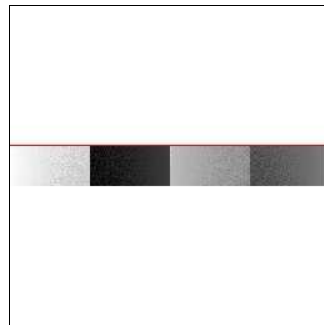
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5009.4490185976	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	5009.4490185976	Sum of GTIs [s]
date	2012-12-03T05:01:53	Date and time of file creation	l1events	66529	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

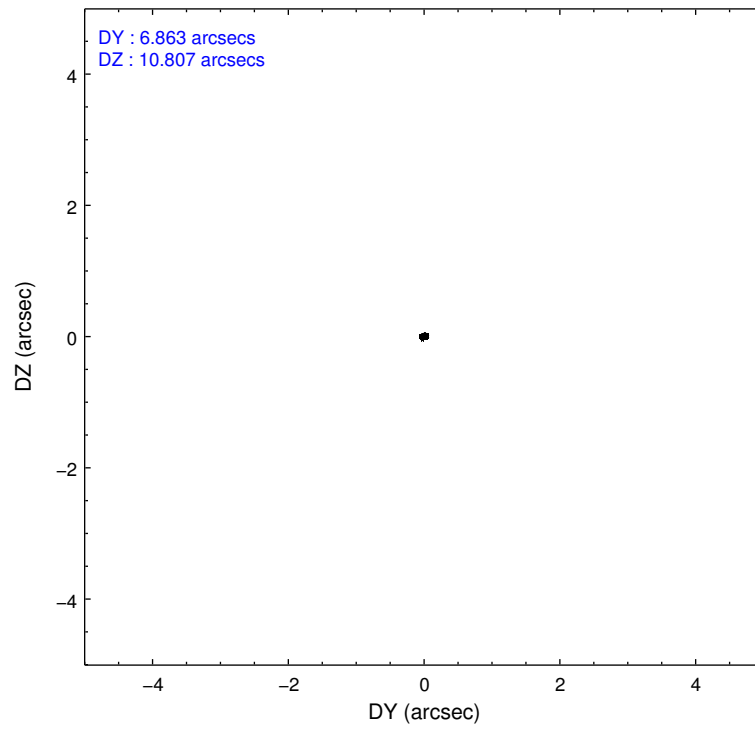
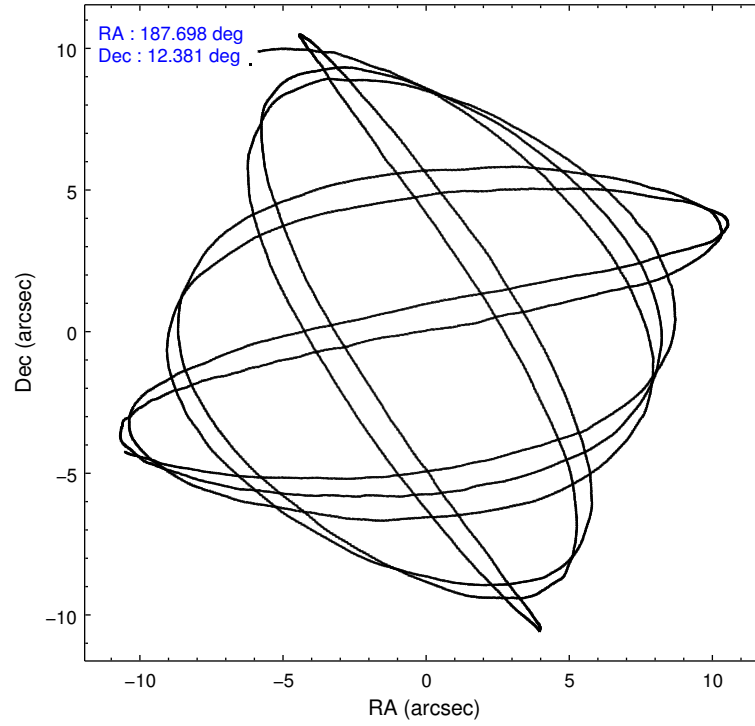
	ccd 7
level 1 events	66529
rejected events	8289
rejected %	12%

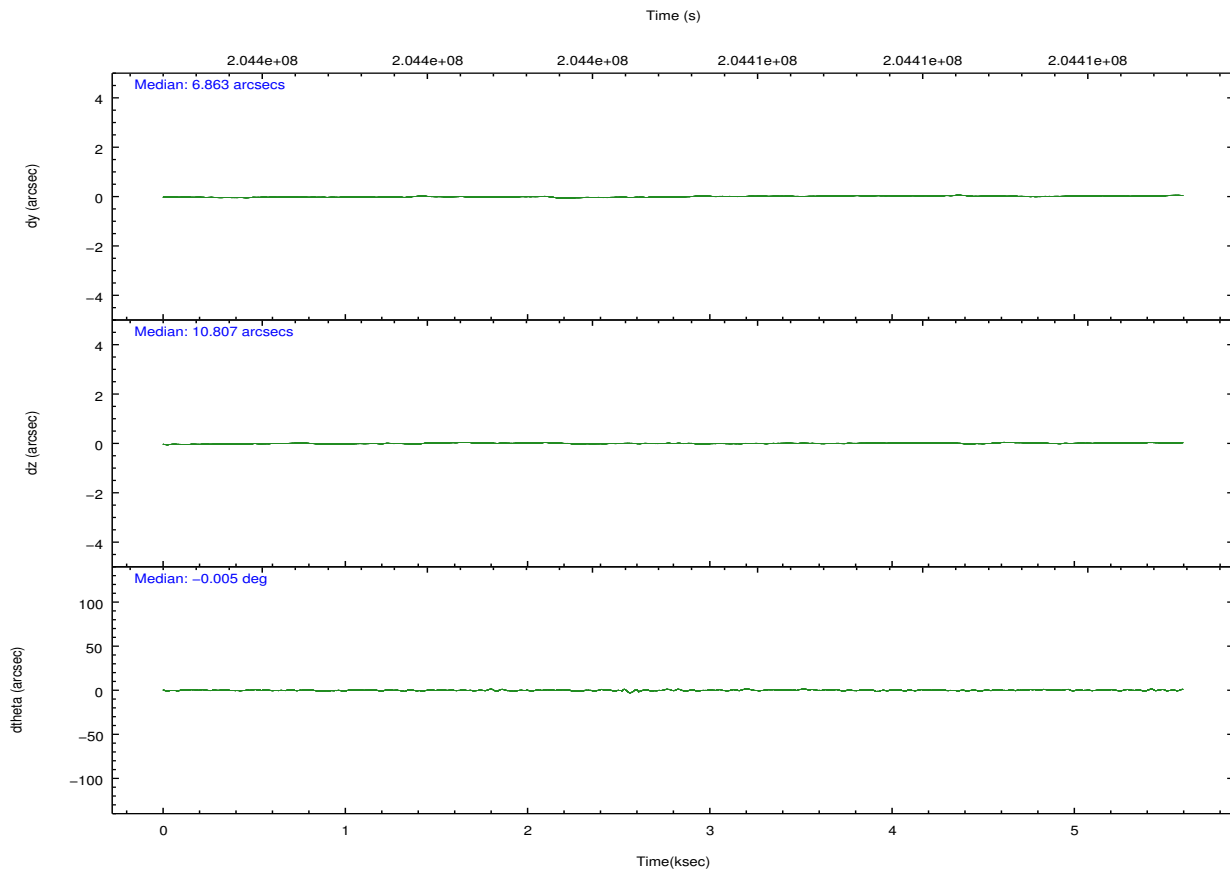
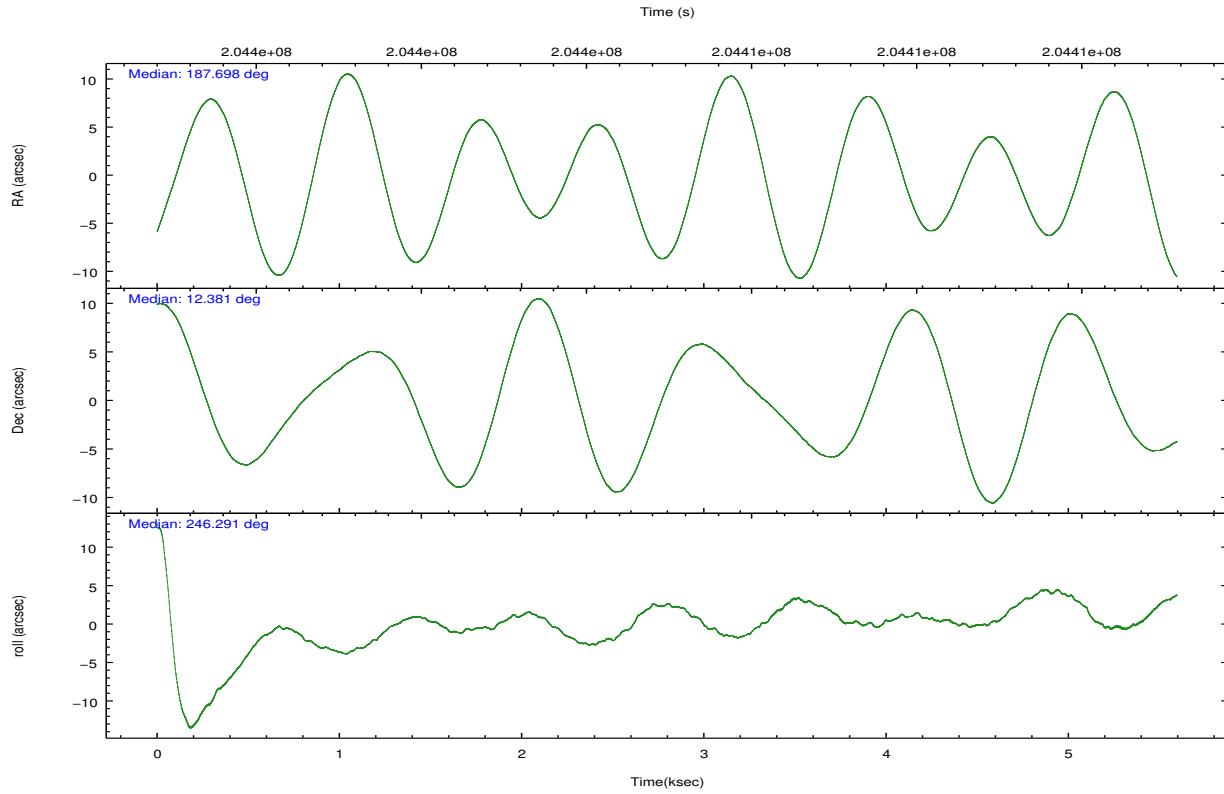
	ccd 7
grade 0 events	17783
	26%
grade 1 events	423
	0%
grade 2 events	14702
	22%
grade 3 events	6791
	10%
grade 4 events	6530
	9%
grade 5 events	2415
	3%
grade 6 events	12443
	18%
grade 7 events	5442
	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.694052	187.6975312137675	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.408061	12.38104053298447	Subarray start row	449	449
[deg] Pointing Roll	246.144500	246.3003792609306	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	204403284.184000	204402395.39876			
Observation start date	2004-06-23T18:40:20	2004-06-23T18:26:35			
[s] Observation end time (MET)	204408284.184000	204409155.78656			
Observation end date	2004-06-23T20:03:40	2004-06-23T20:19:15			
Read mode	TIMED	TIMED			

2.3 Aspect



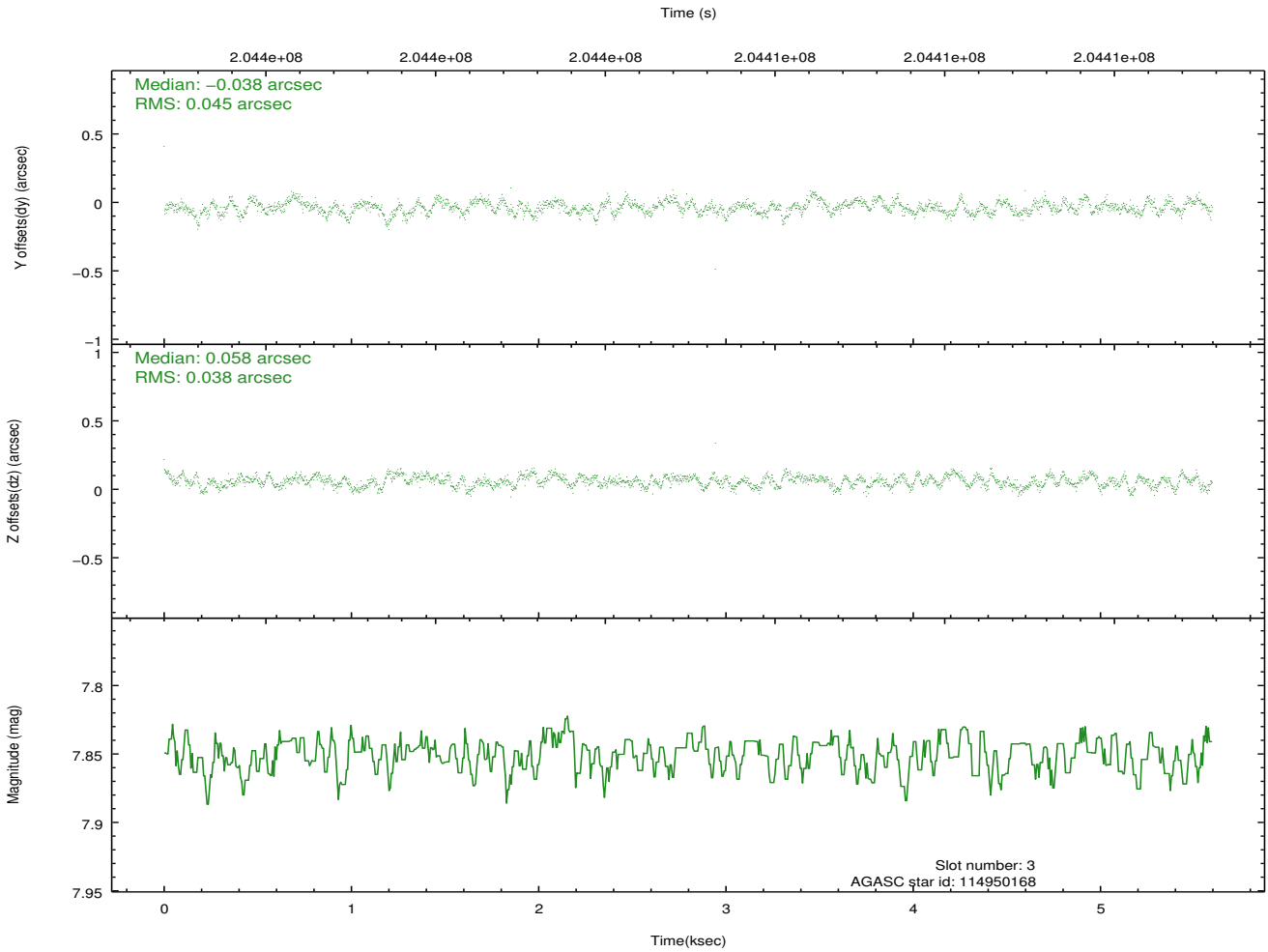
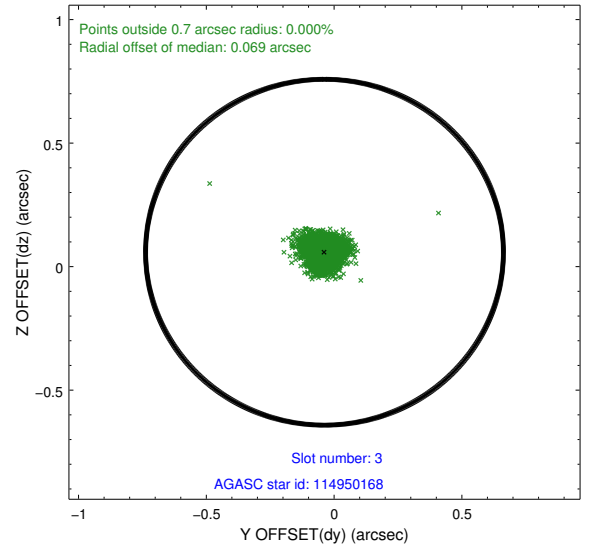
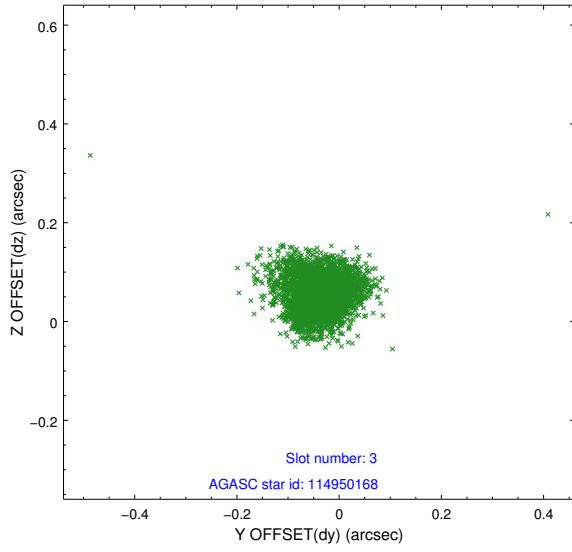


Slot Statistics

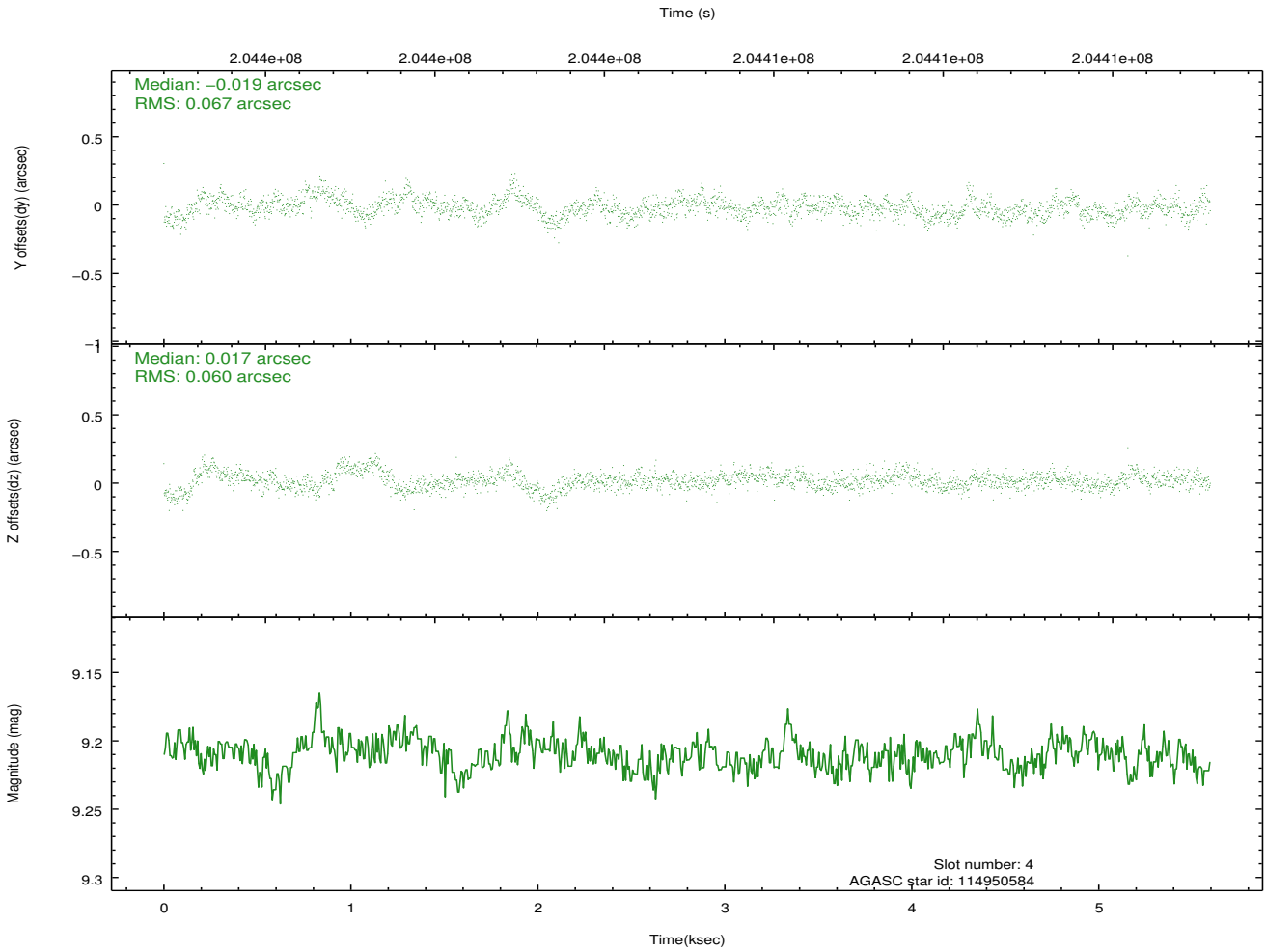
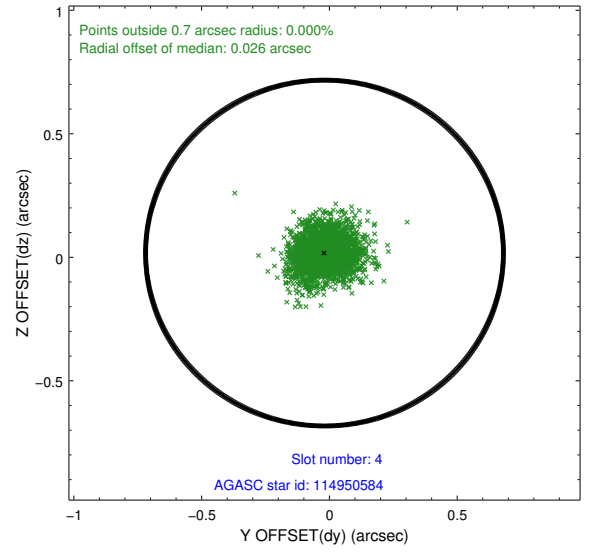
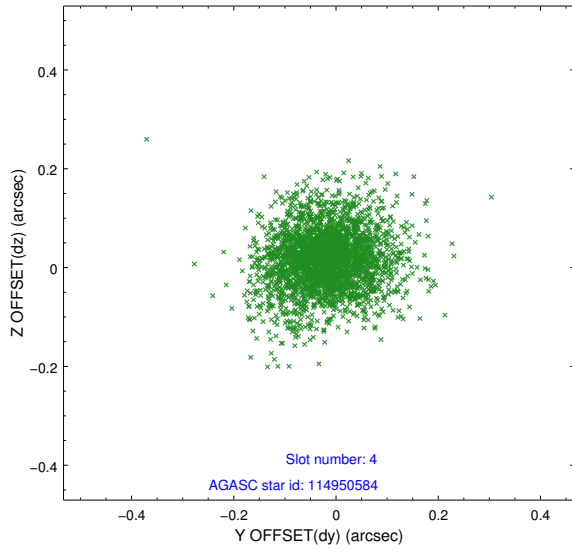
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1365	-0.025	-0.009	0.006	0.010	0.000000	0.000000	-759.59	-1732.10
1	FID	ACIS-S-5	7.24	1365	-0.019	-0.012	0.007	0.011	0.000000	0.000000	-1813.23	168.74
2	FID	ACIS-S-6	7.34	1365	0.019	0.029	0.006	0.009	0.000000	0.000000	400.85	813.95
3	GUIDE	114950168	7.85	2730	-0.038	0.058	0.062	0.096	187.143398	12.117441	1739.64	-1350.02
4	GUIDE	114950584	9.21	2730	-0.019	0.017	0.093	0.160	187.487323	11.827248	2207.77	178.99
5	GUIDE	114952824	8.58	2730	-0.044	0.142	0.062	0.098	187.703904	12.486727	-271.69	-82.95
6	GUIDE	114955056	8.31	2731	-0.033	-0.074	0.069	0.110	187.914001	12.127854	609.34	1115.69
7	GUIDE	114957008	8.26	2730	0.138	-0.142	0.077	0.140	186.894794	12.099160	2152.45	-2124.80

2.4 Star Slots

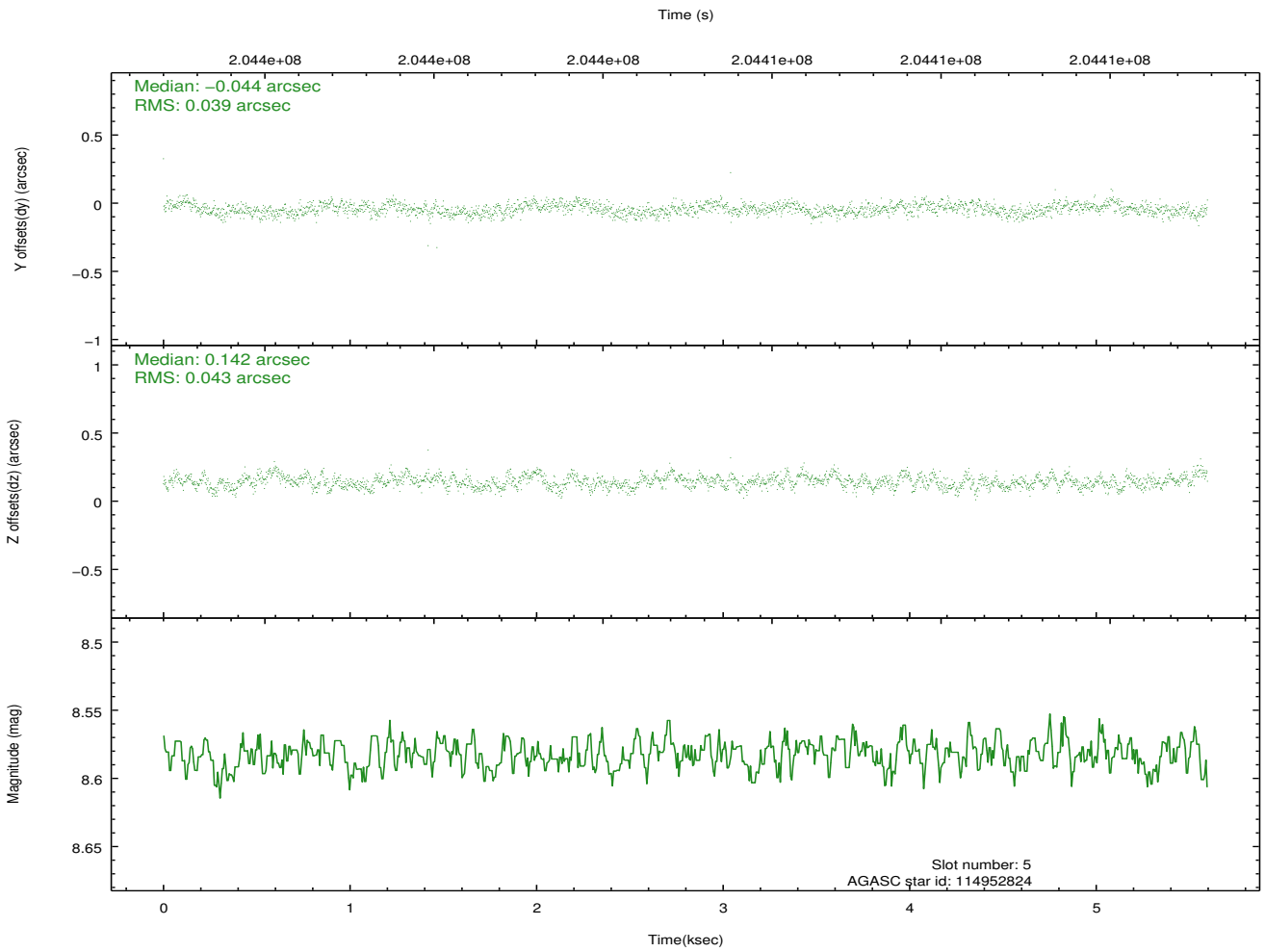
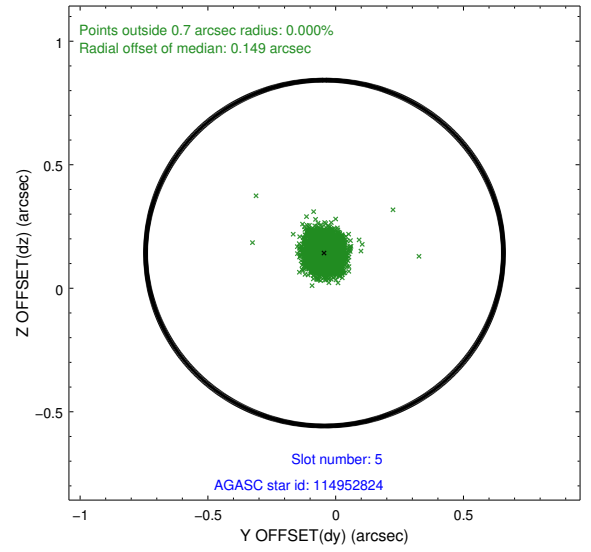
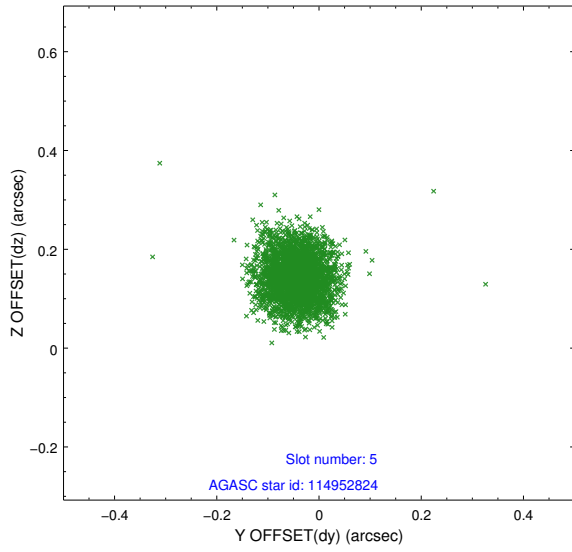
2.4.1 Slot 3



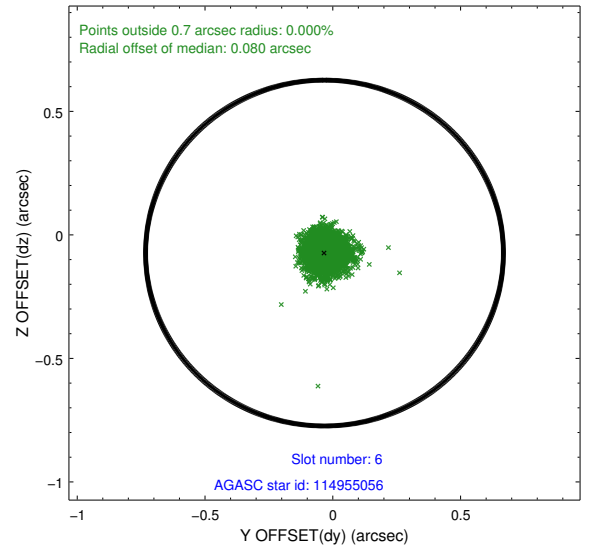
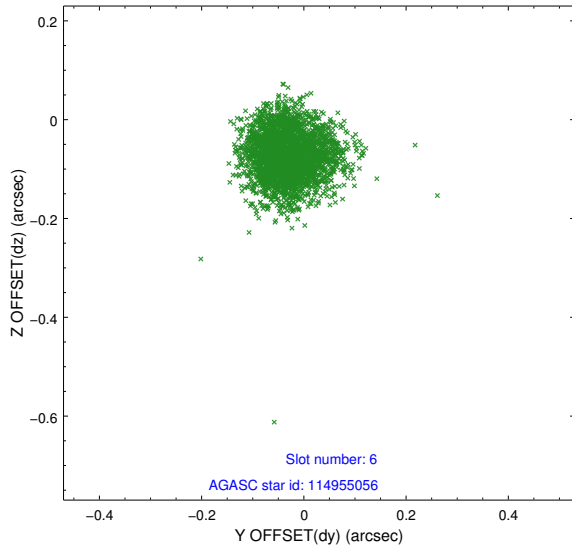
2.4.2 Slot 4



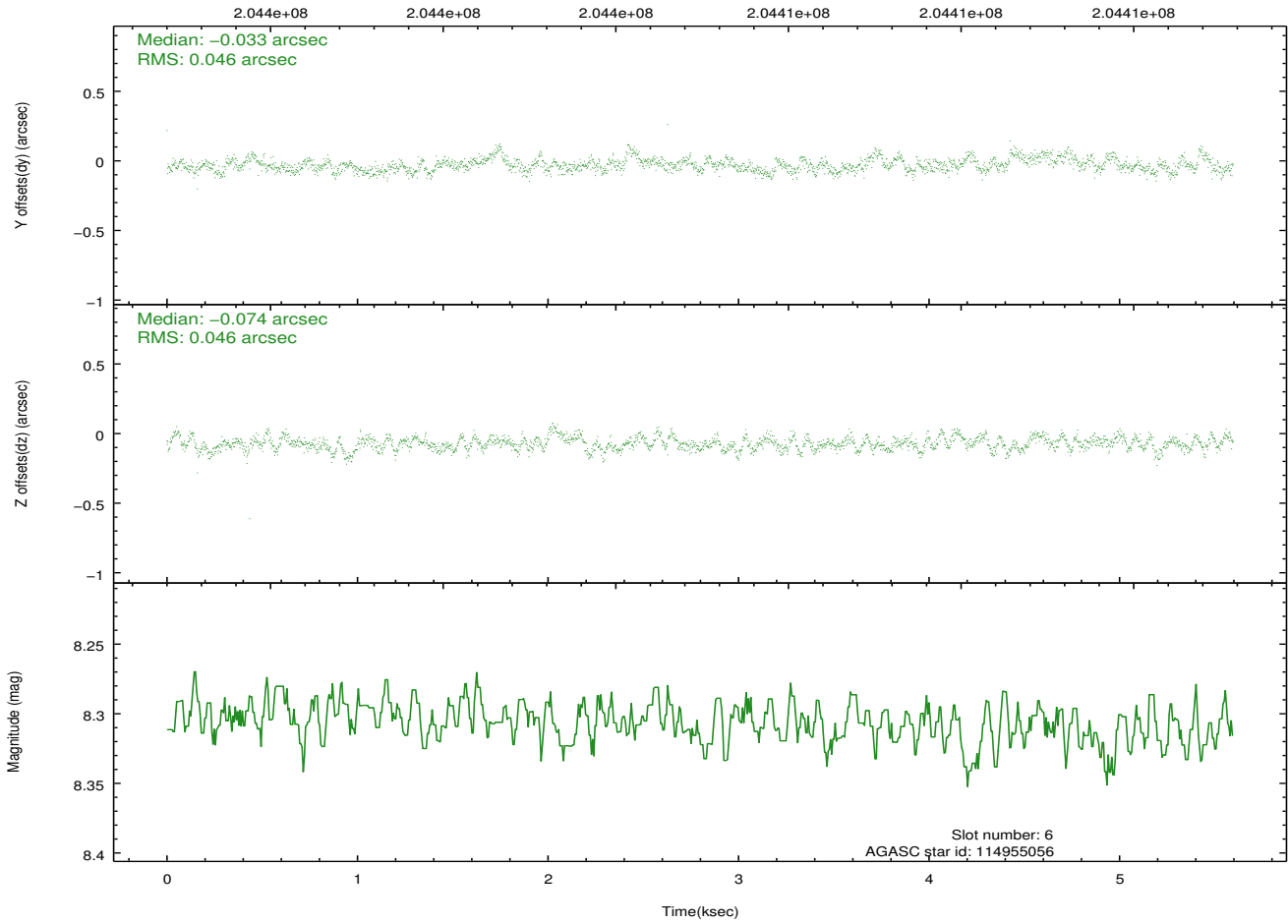
2.4.3 Slot 5



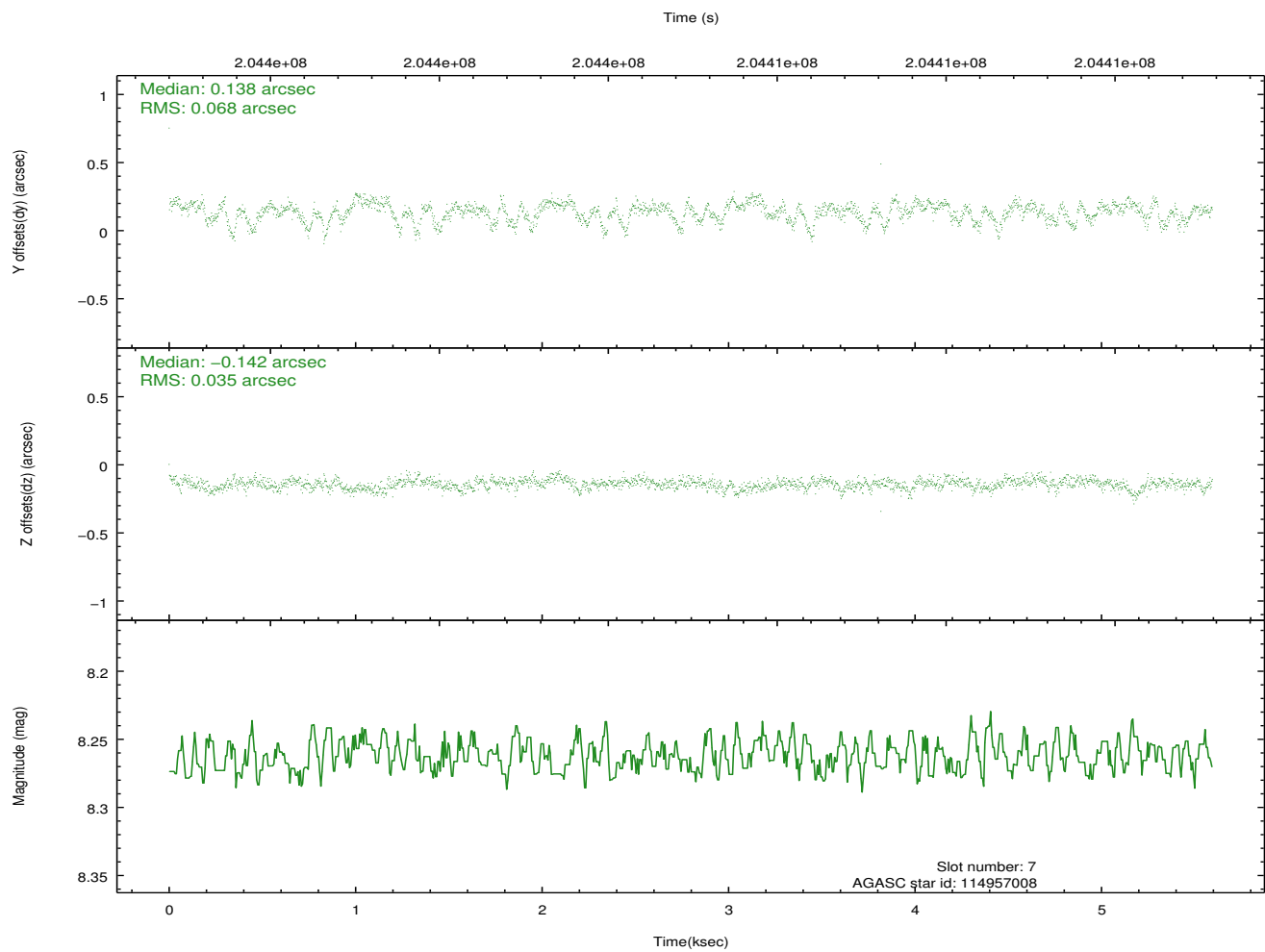
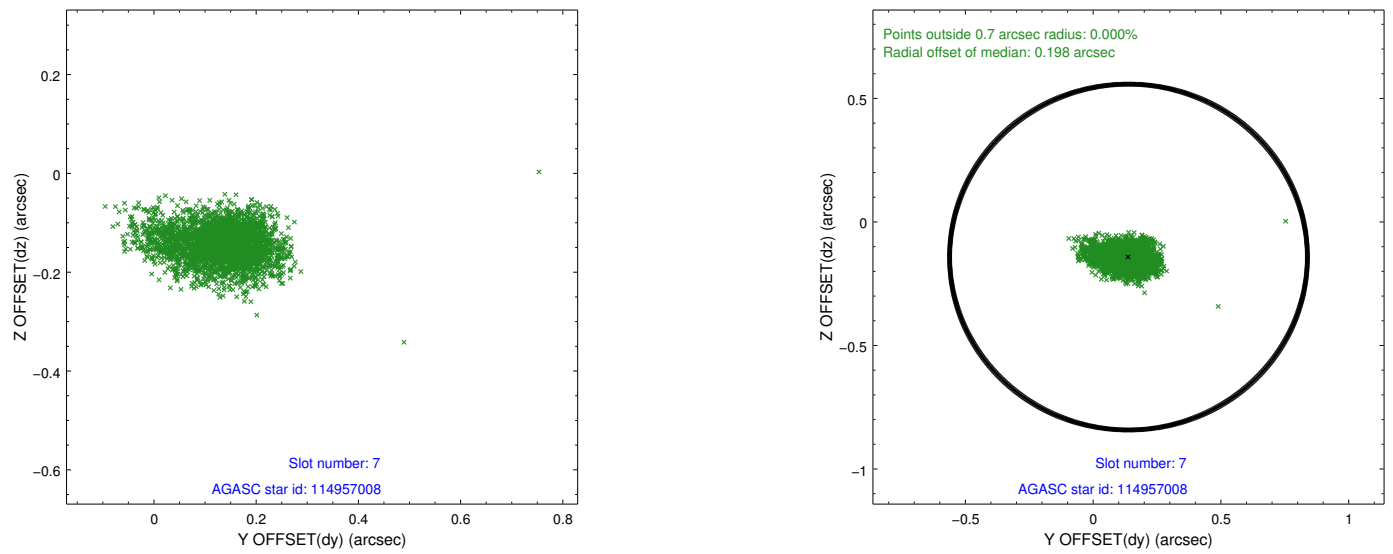
2.4.4 Slot 6



Time (s)

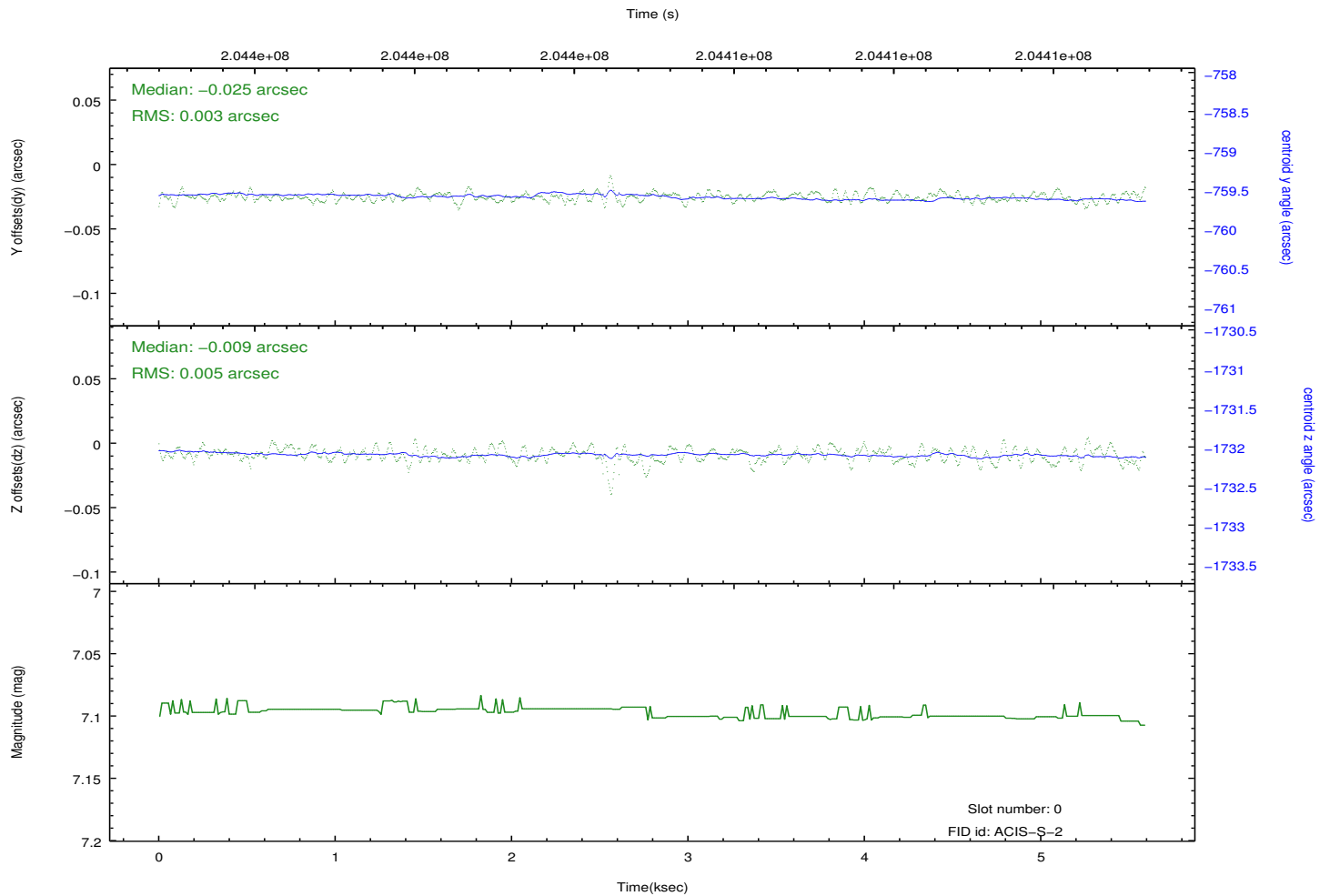
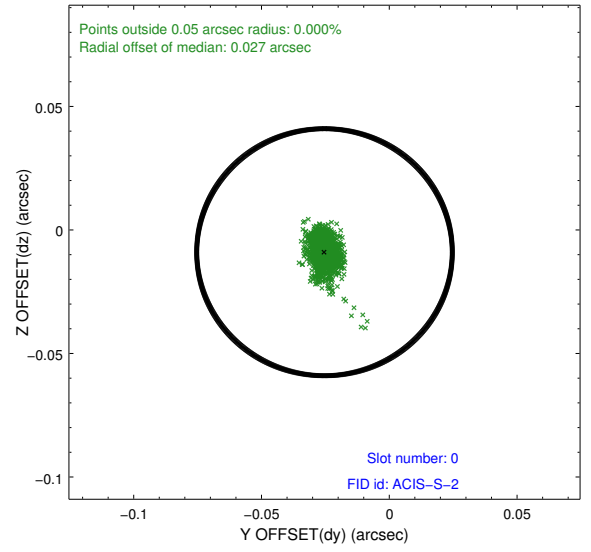
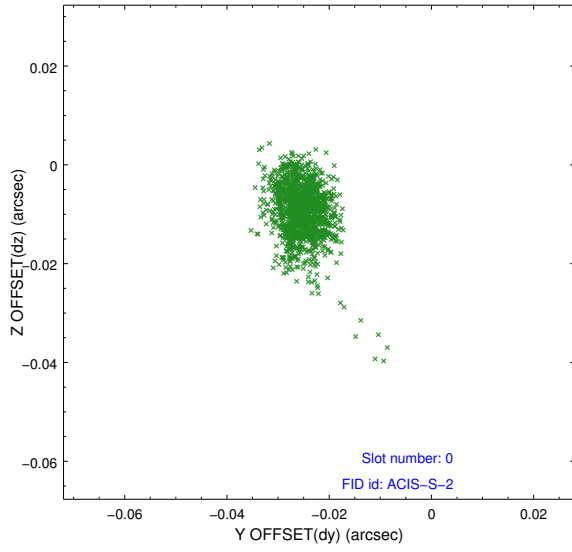


2.4.5 Slot 7

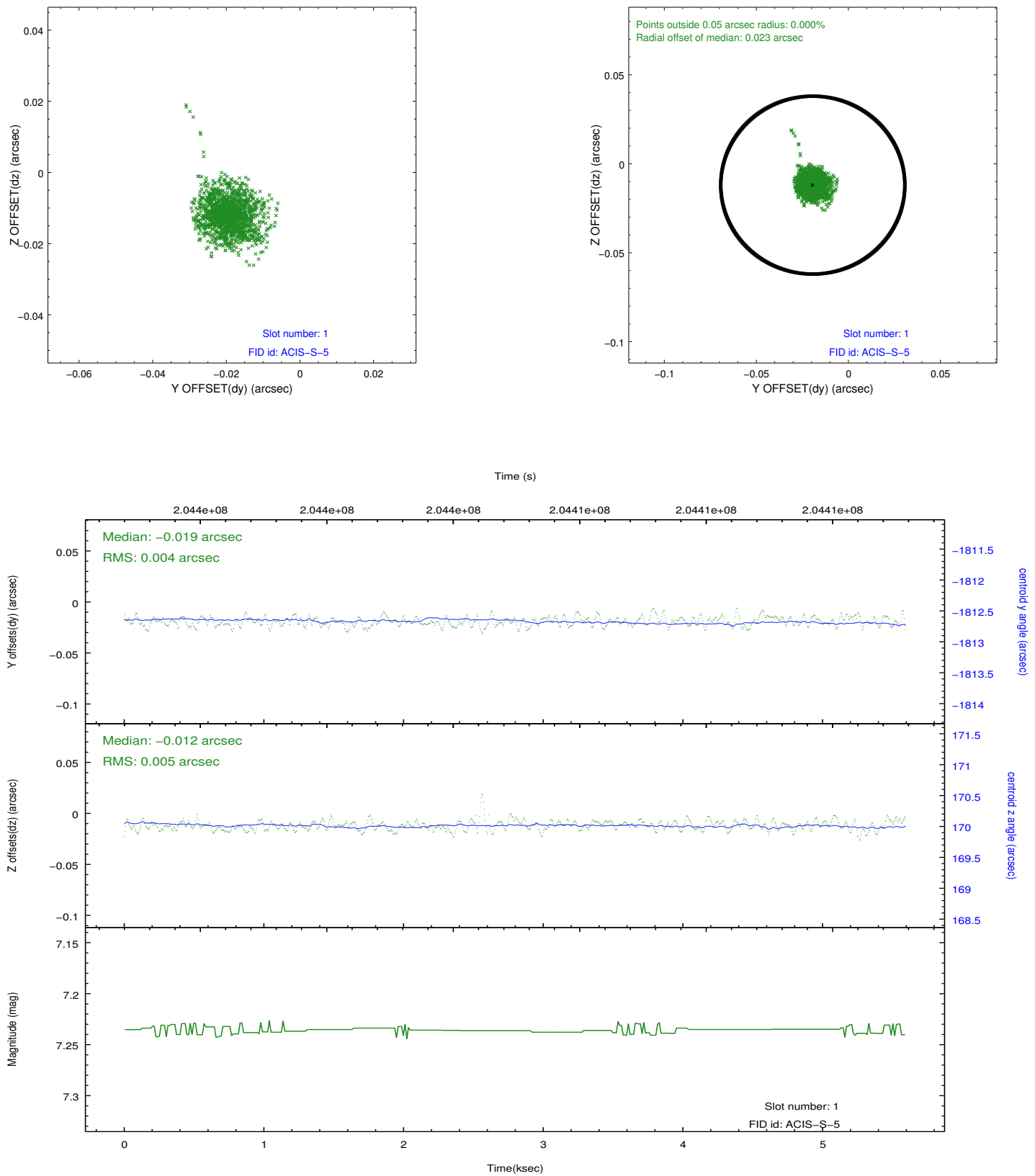


2.5 FID Slots

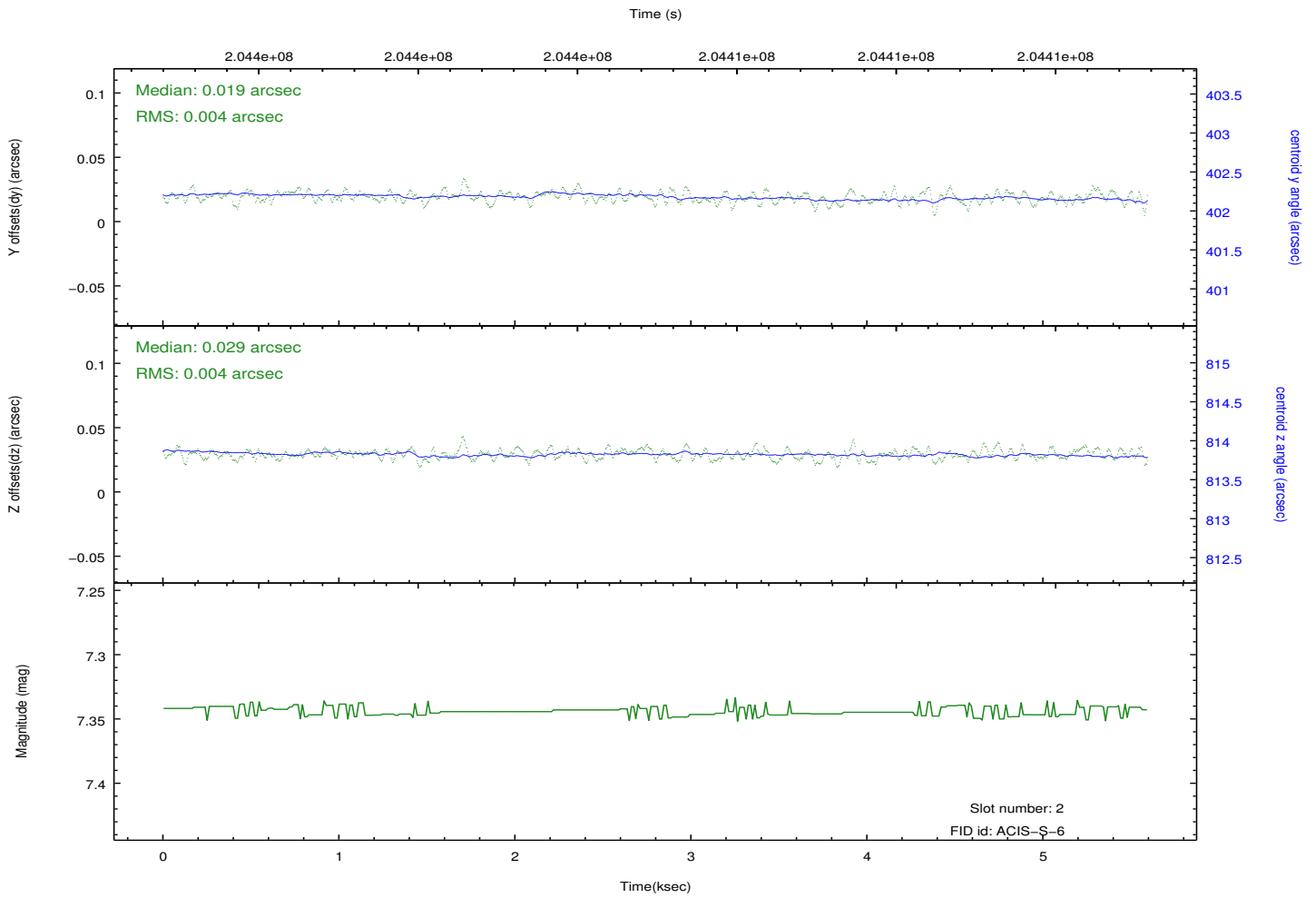
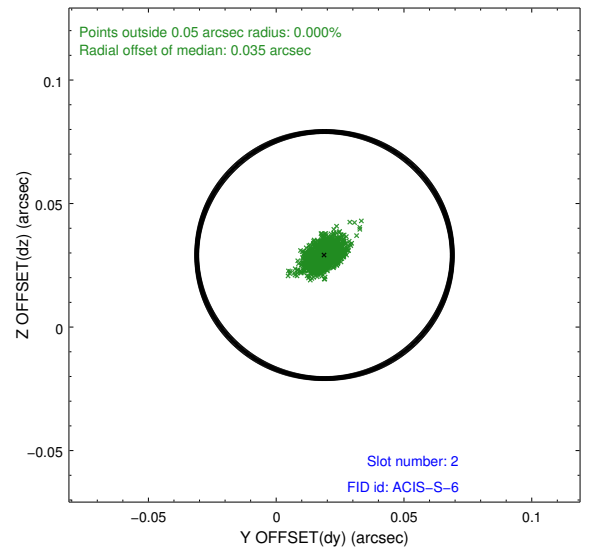
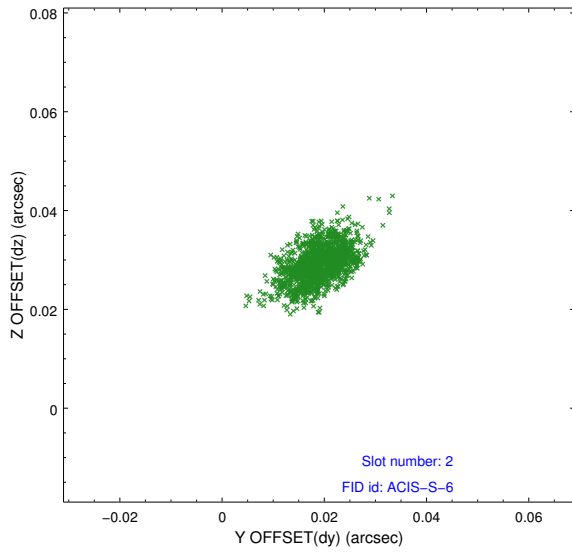
2.5.1 Slot 0



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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.009

A.2 Comments

Joint Proposal: CX0-HST