

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9989 - L2 Version 2
Chandra X-Ray Center

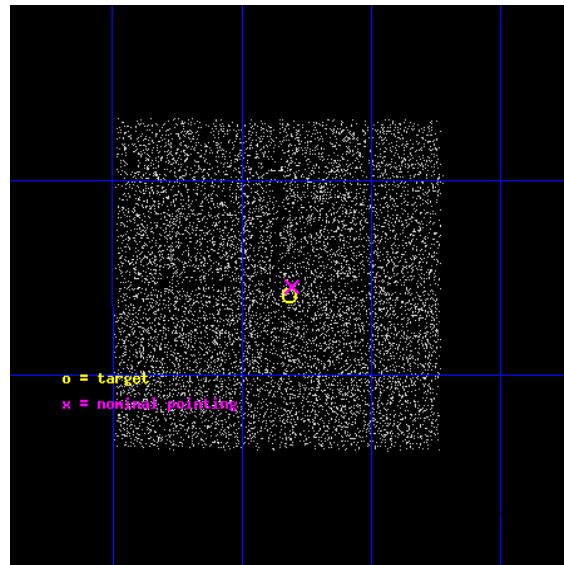
L2 Processing Date : Jun 1 2012

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1 Front

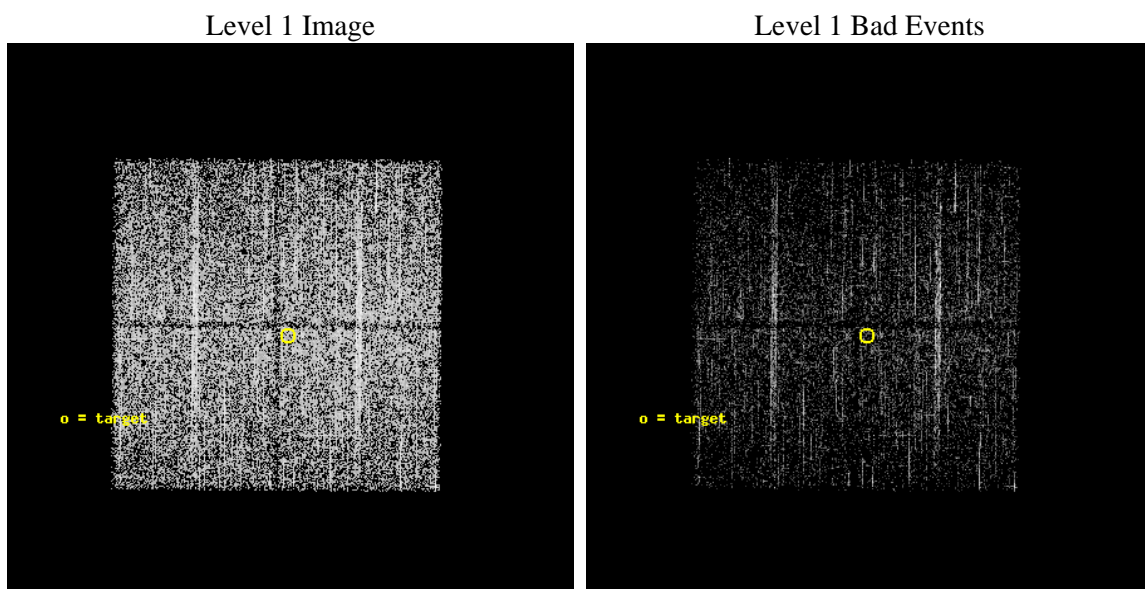
seq_num	400953	Sequence number
obs_id	9989	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.4545	Observer's specified target RA [deg]
dec_targ	-25.598833	Observer's specified target Dec [deg]
ra_nom	266.45173714888	Nominal RA [deg]
dec_nom	-25.591302890413	Nominal Dec [deg]
roll_nom	90.461874842715	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
l2events	10380	Number of level 2 events



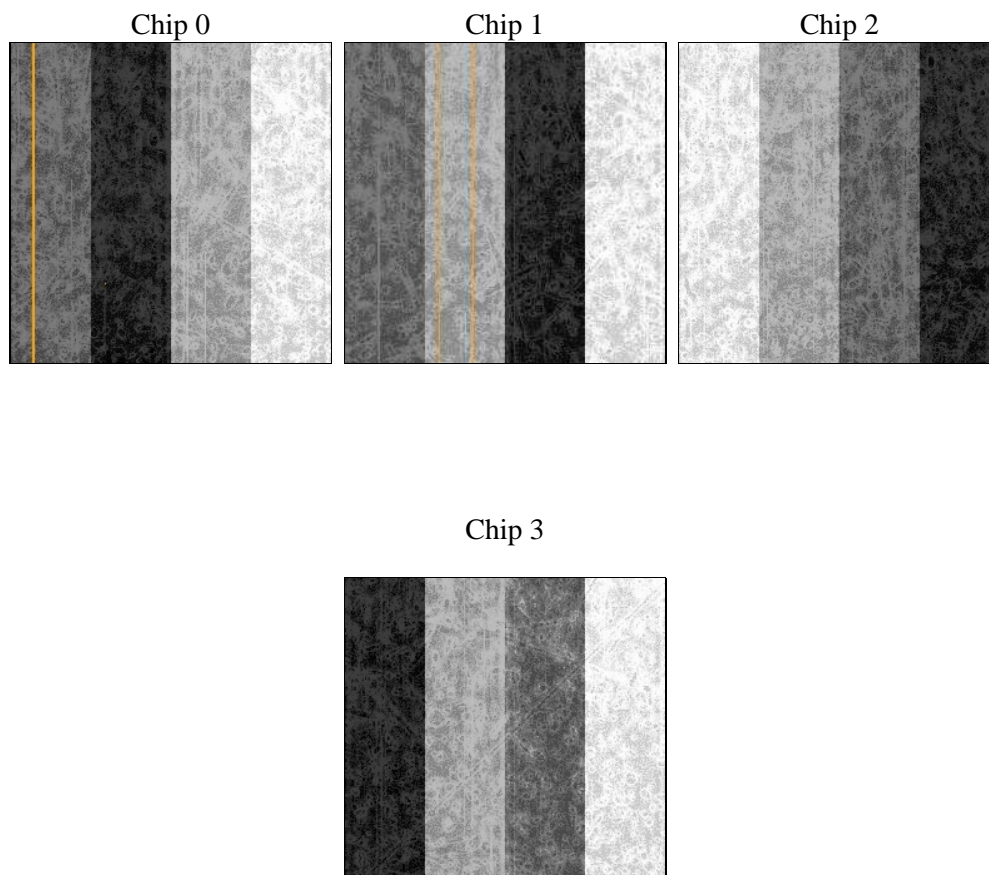
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-06-01T08:02:42	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			l1events	98442	Number of level 1 events

2.1.4 Events

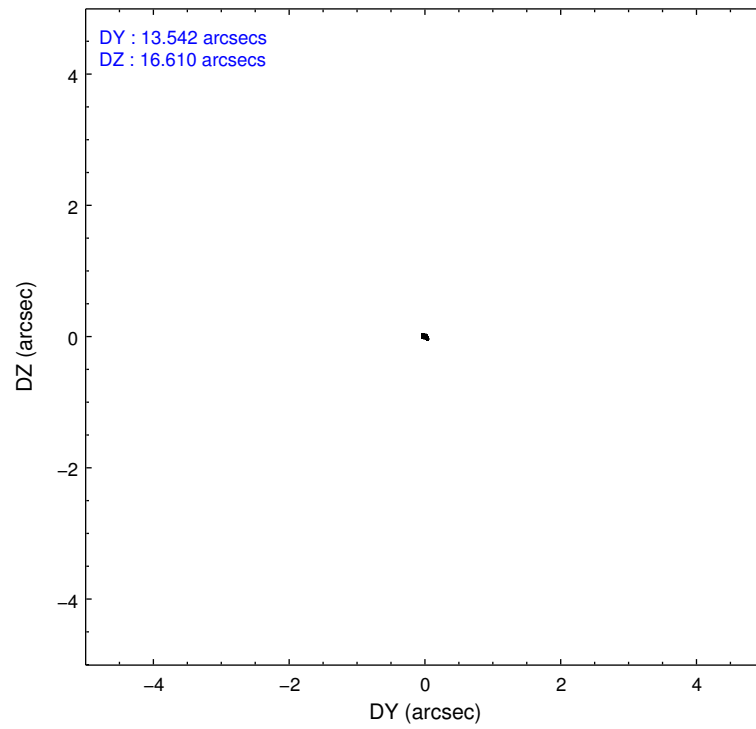
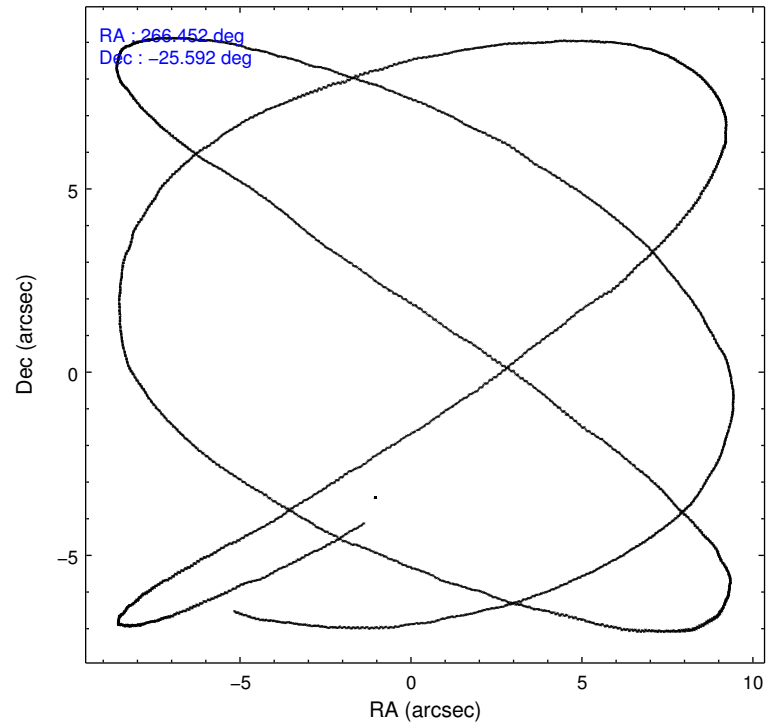
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22703	24024	26160	25555
rejected events	19789	20903	23261	22588
rejected %	87%	87%	88%	88%

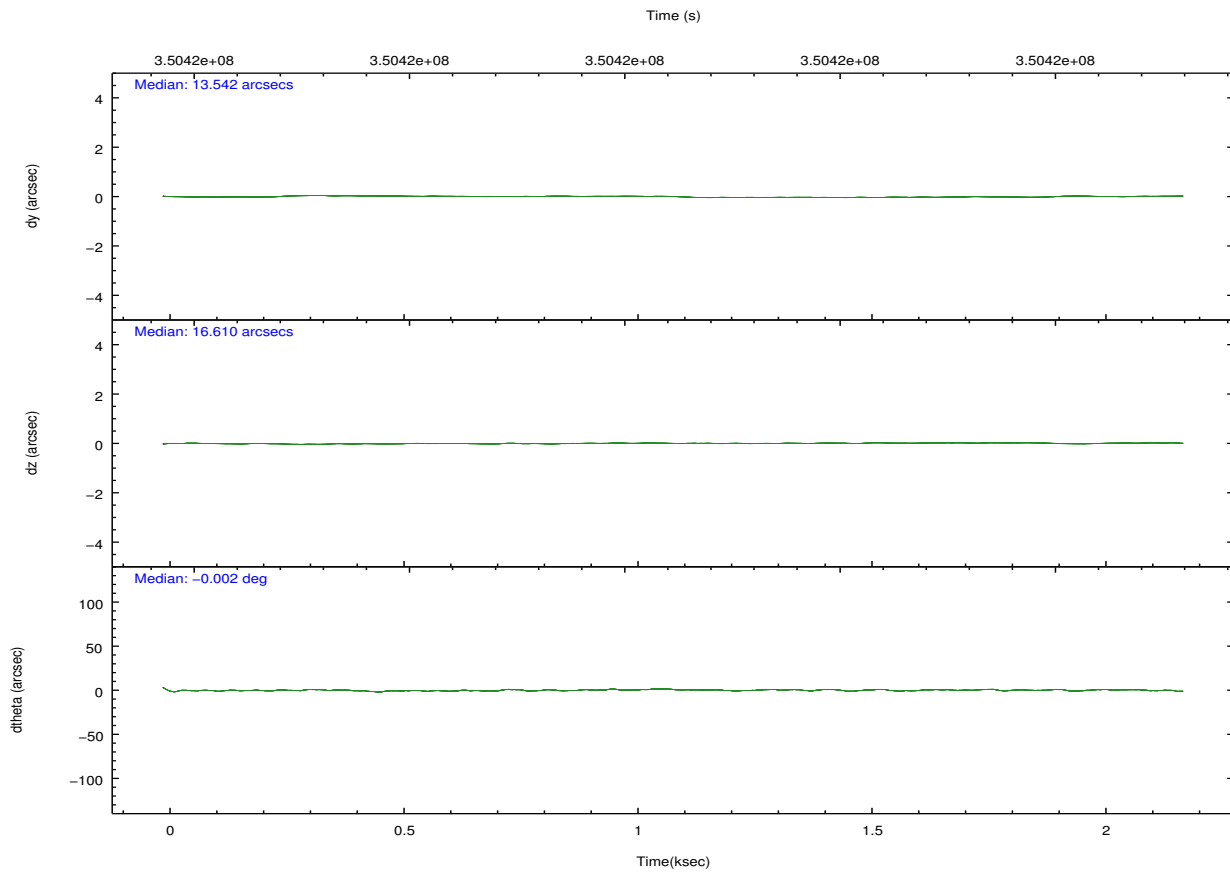
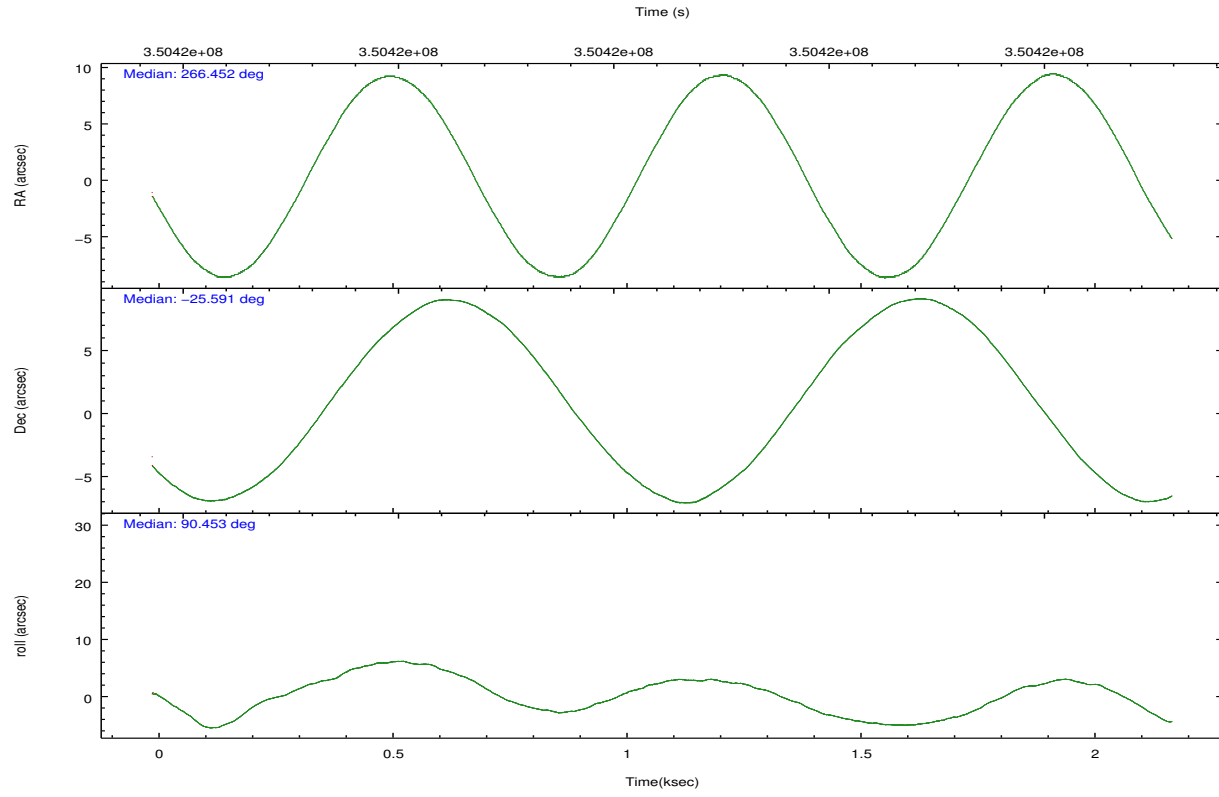
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1514	1527	1532	1570
	6%	6%	5%	6%
grade 1 events	9	21	21	20
	0%	0%	0%	0%
grade 2 events	728	838	683	651
	3%	3%	2%	2%
grade 3 events	271	296	282	316
	1%	1%	1%	1%
grade 4 events	300	319	266	294
	1%	1%	1%	1%
grade 5 events	1058	1160	1094	1210
	4%	4%	4%	4%
grade 6 events	557	677	540	558
	2%	2%	2%	2%
grade 7 events	18266	19186	21742	20936
	80%	79%	83%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	266.467327	266.4517371488844	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.614781	-25.59130289041316	Alternating exposures requested	N	N
[deg] Pointing Roll	90.259954	90.46187484271518	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	350417188.184000	350416812.63416			
Observation start date	2009-02-07T18:05:22	2009-02-07T18:00:12			
[s] Observation end time (MET)	350419188.184000	350419322.34678			
Observation end date	2009-02-07T18:38:42	2009-02-07T18:42:02			
Read mode	TIMED	TIMED			

2.3 Aspect



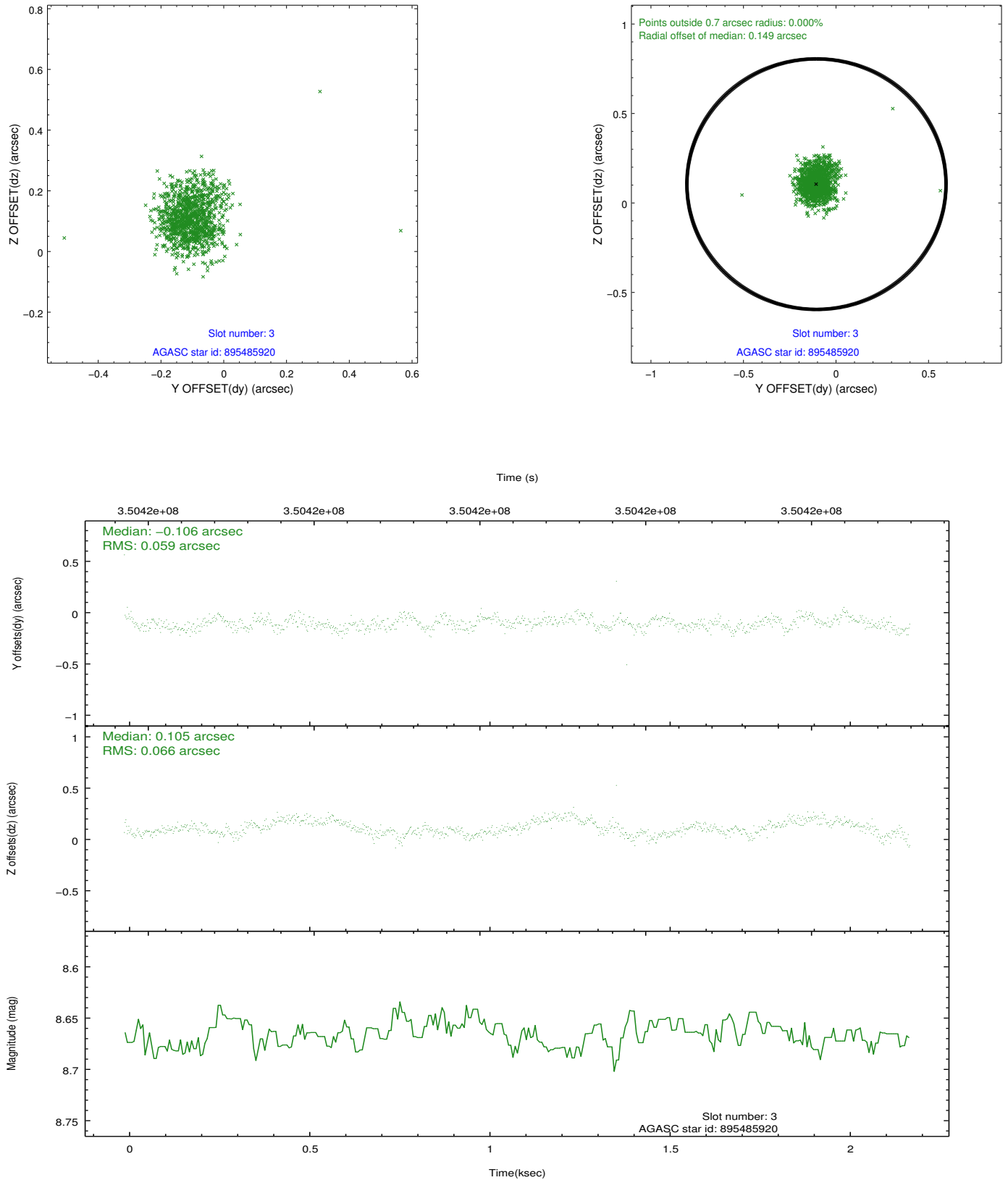


Slot Statistics

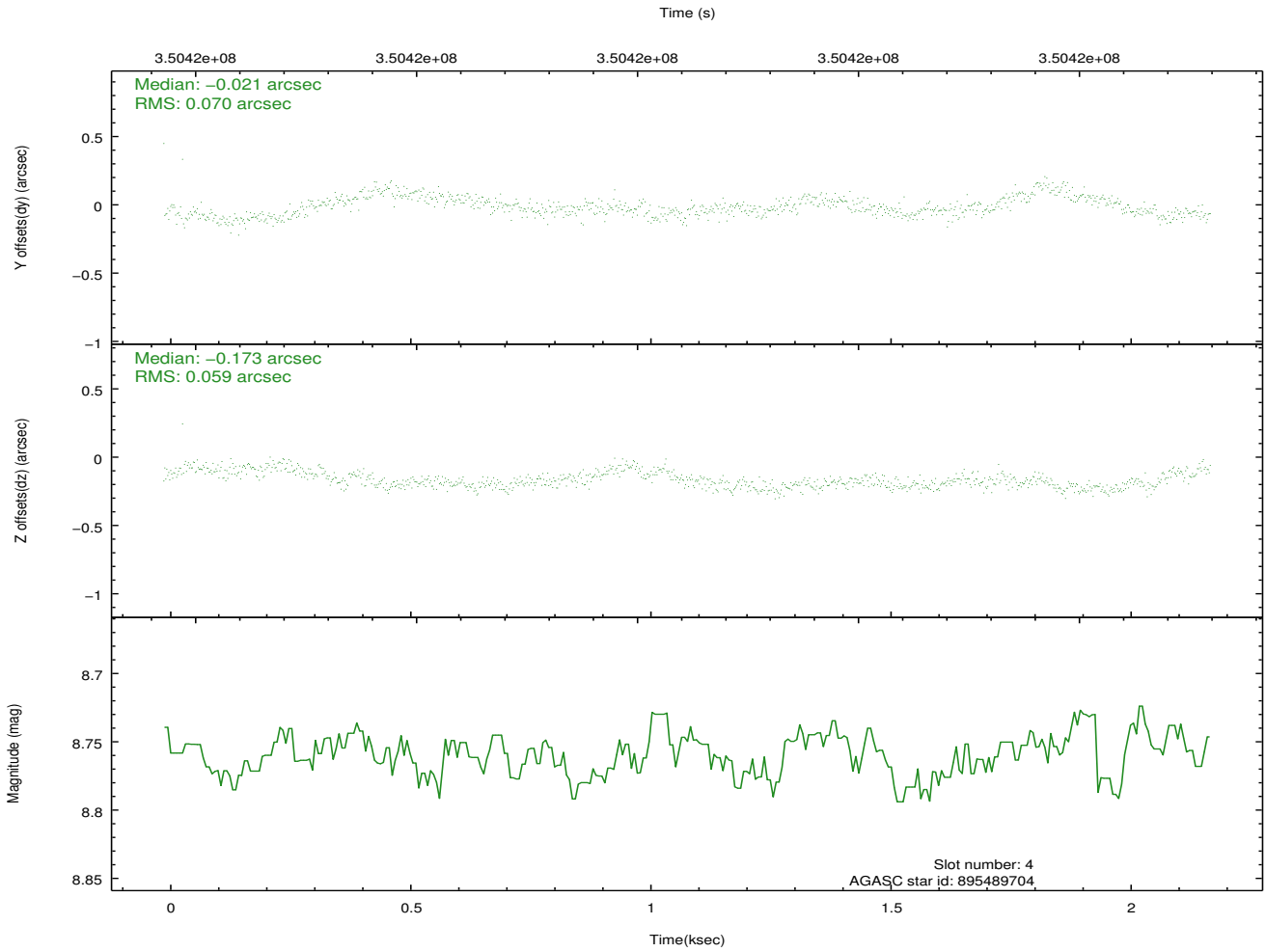
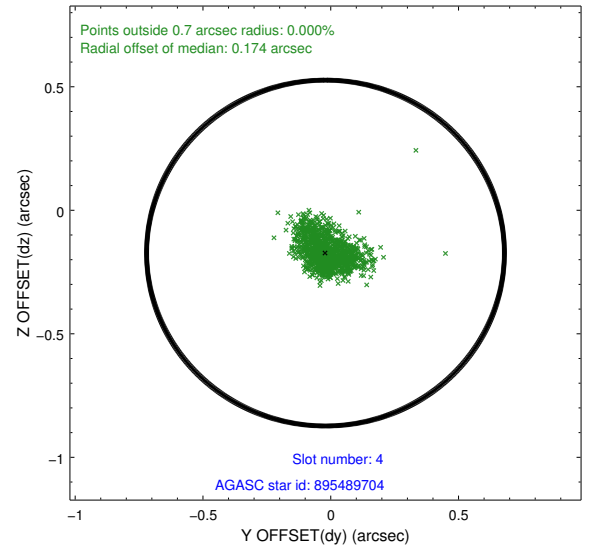
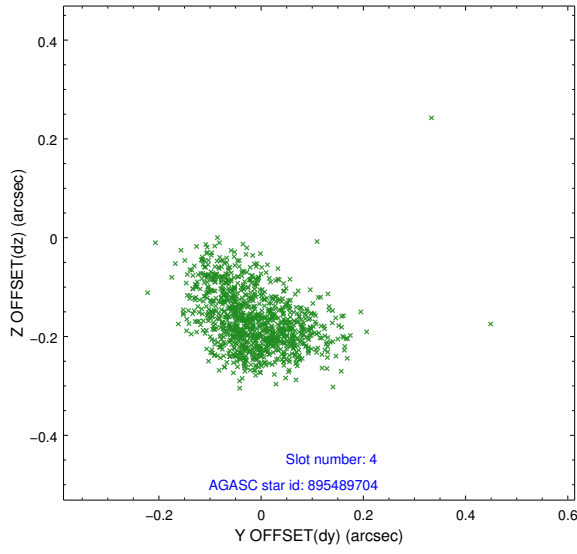
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	531	-0.086	-0.092	0.009	0.016	0.000000	0.000000	-768.30	-846.71
1	FID	ACIS-I-4	6.96	532	0.179	0.077	0.006	0.012	0.000000	0.000000	2144.65	1058.12
2	FID	ACIS-I-5	7.02	532	-0.194	0.084	0.009	0.015	0.000000	0.000000	-1818.40	1059.38
3	GUIDE	895485920	8.67	1062	-0.106	0.105	0.091	0.147	266.932426	-25.188840	1524.82	-1521.80
4	GUIDE	895489704	8.76	1064	-0.021	-0.173	0.096	0.158	266.328076	-25.361339	915.71	447.22
5	GUIDE	895489896	7.58	1064	0.113	0.151	0.056	0.088	266.605795	-26.200300	-2108.25	-437.50
6	GUIDE	895354448	9.02	1062	0.010	-0.455	0.102	0.171	265.769015	-25.624207	-31.13	2265.92
7	GUIDE	895486616	9.68	1060	0.004	0.362	0.130	0.201	267.200182	-25.294328	1137.43	-2387.88

2.4 Star Slots

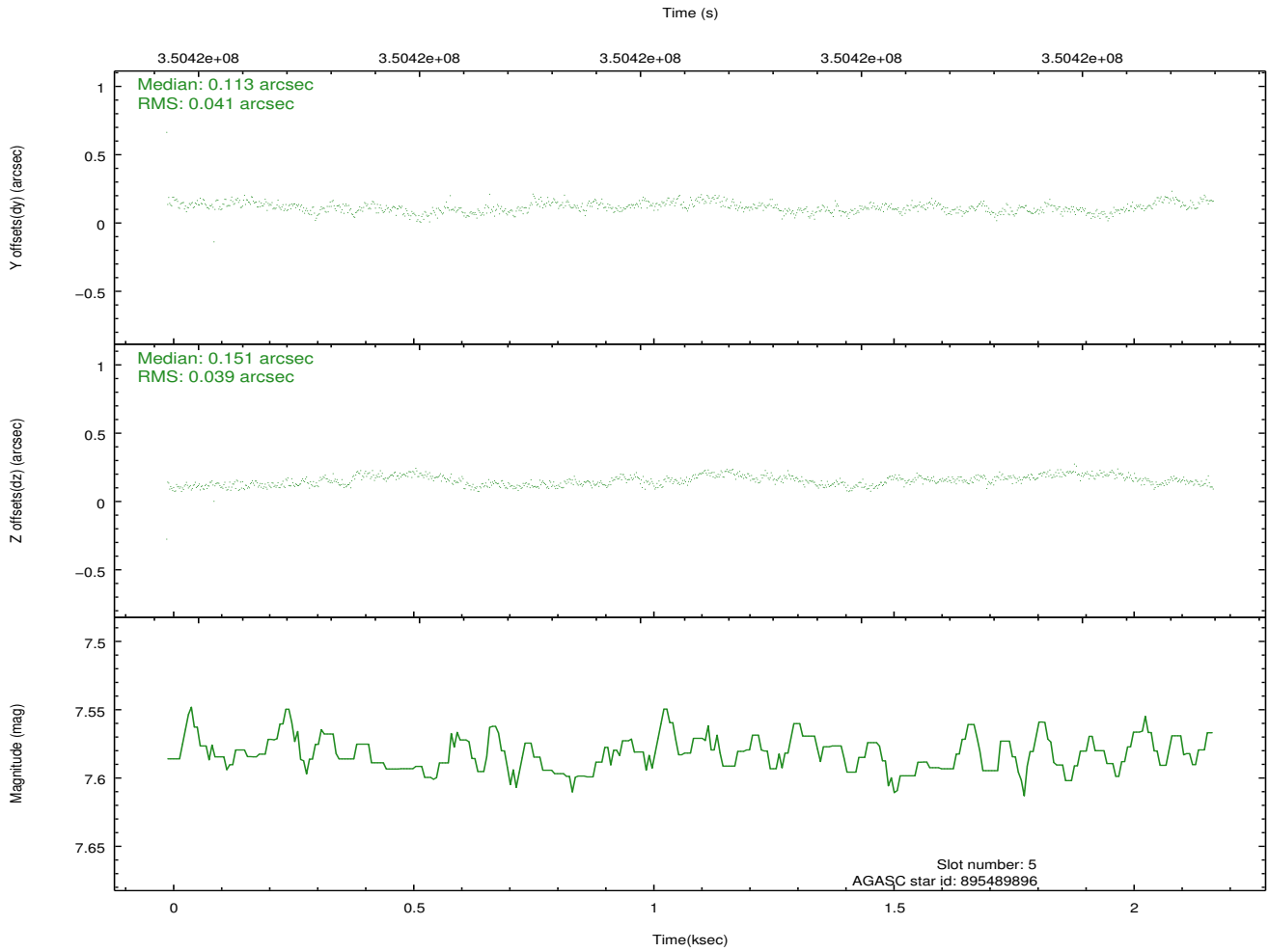
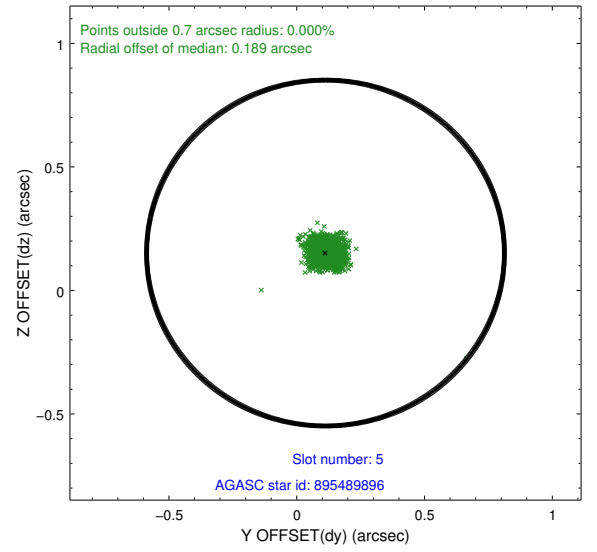
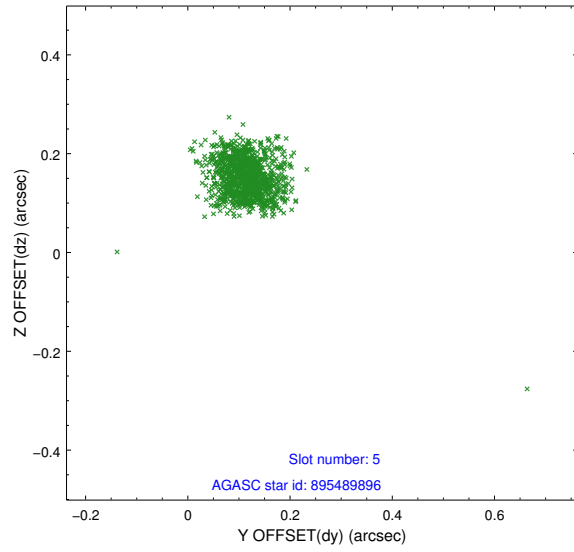
2.4.1 Slot 3



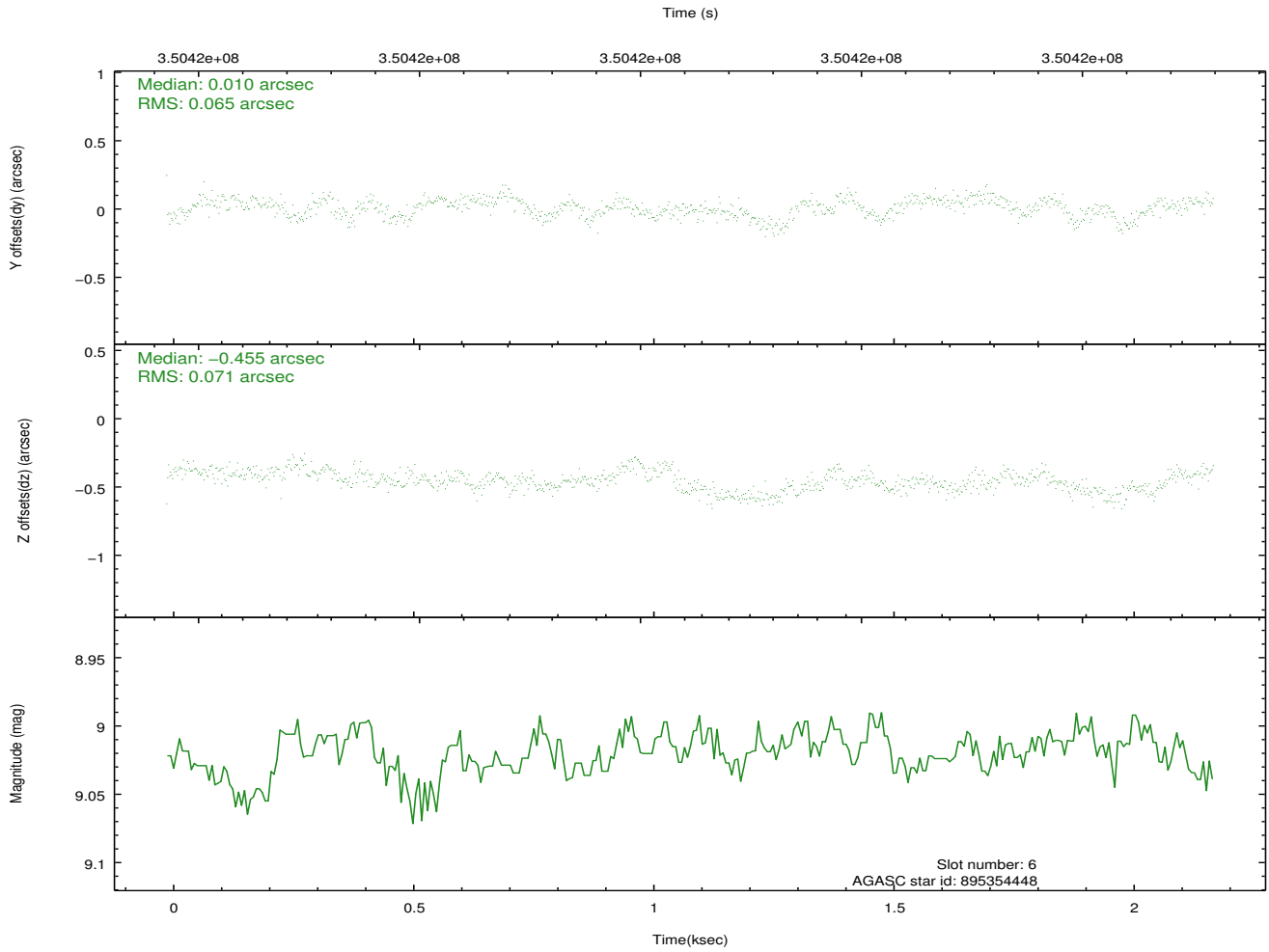
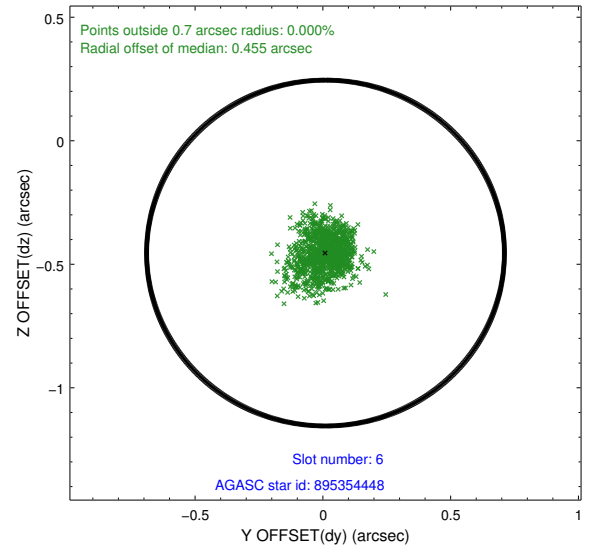
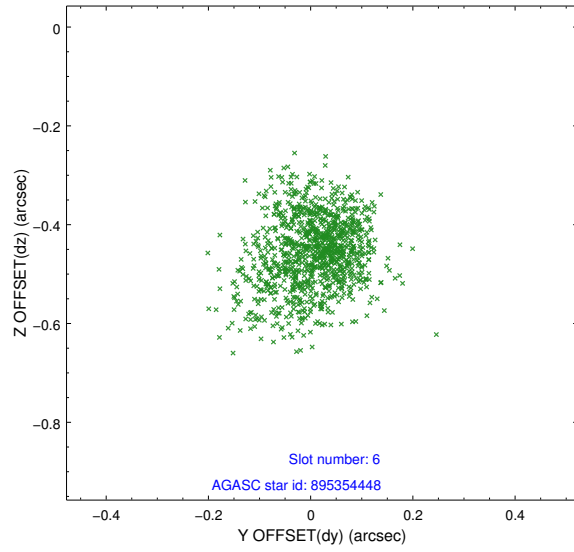
2.4.2 Slot 4



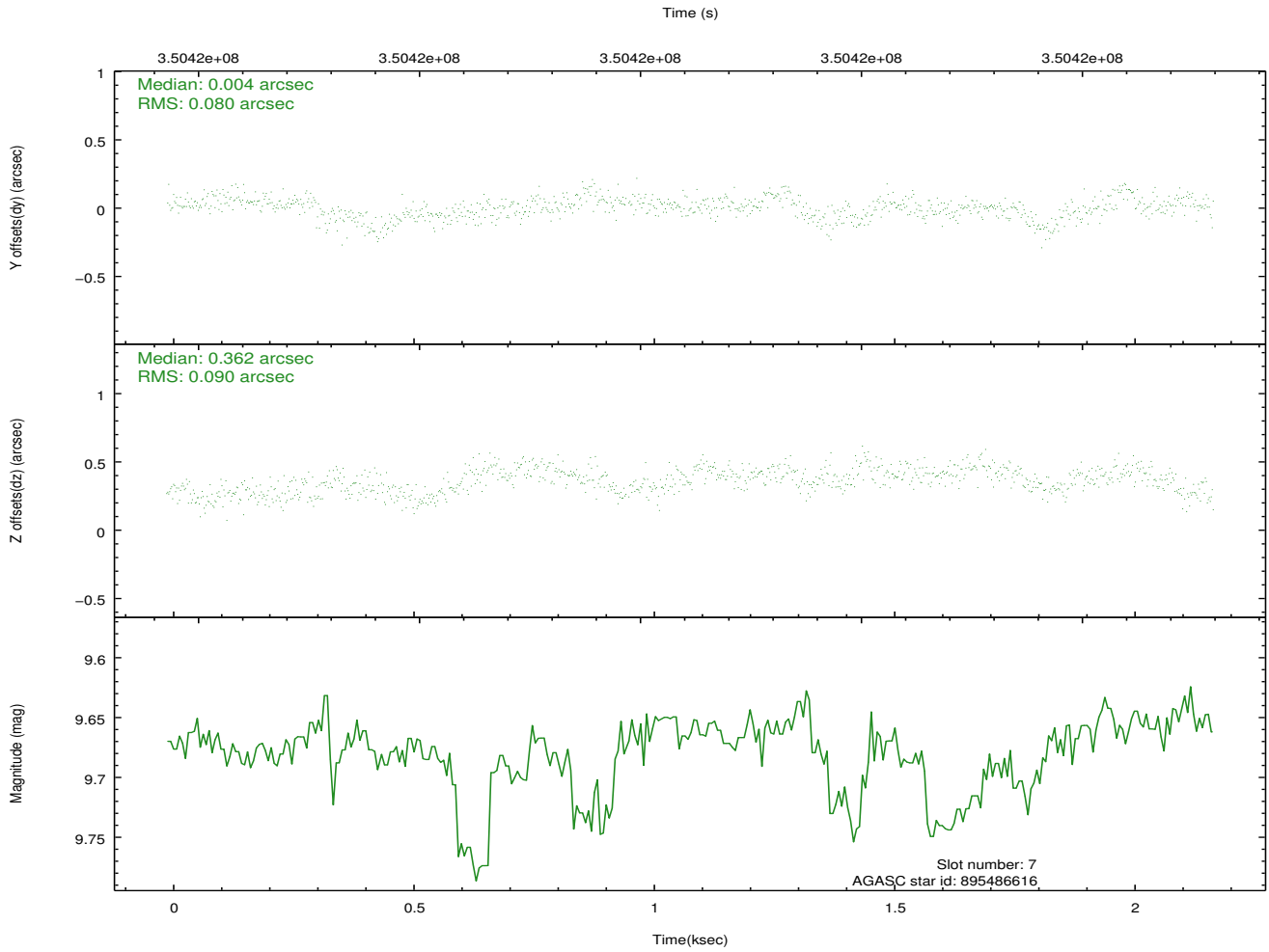
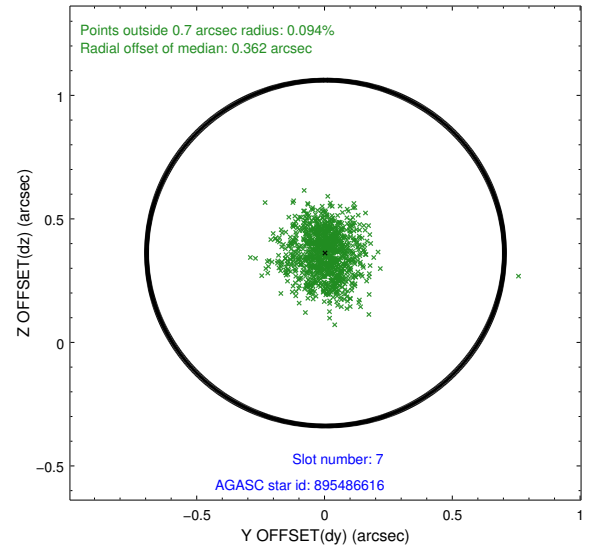
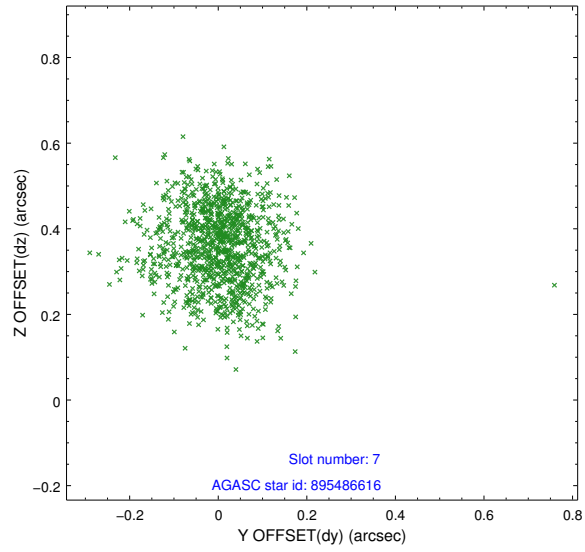
2.4.3 Slot 5



2.4.4 Slot 6

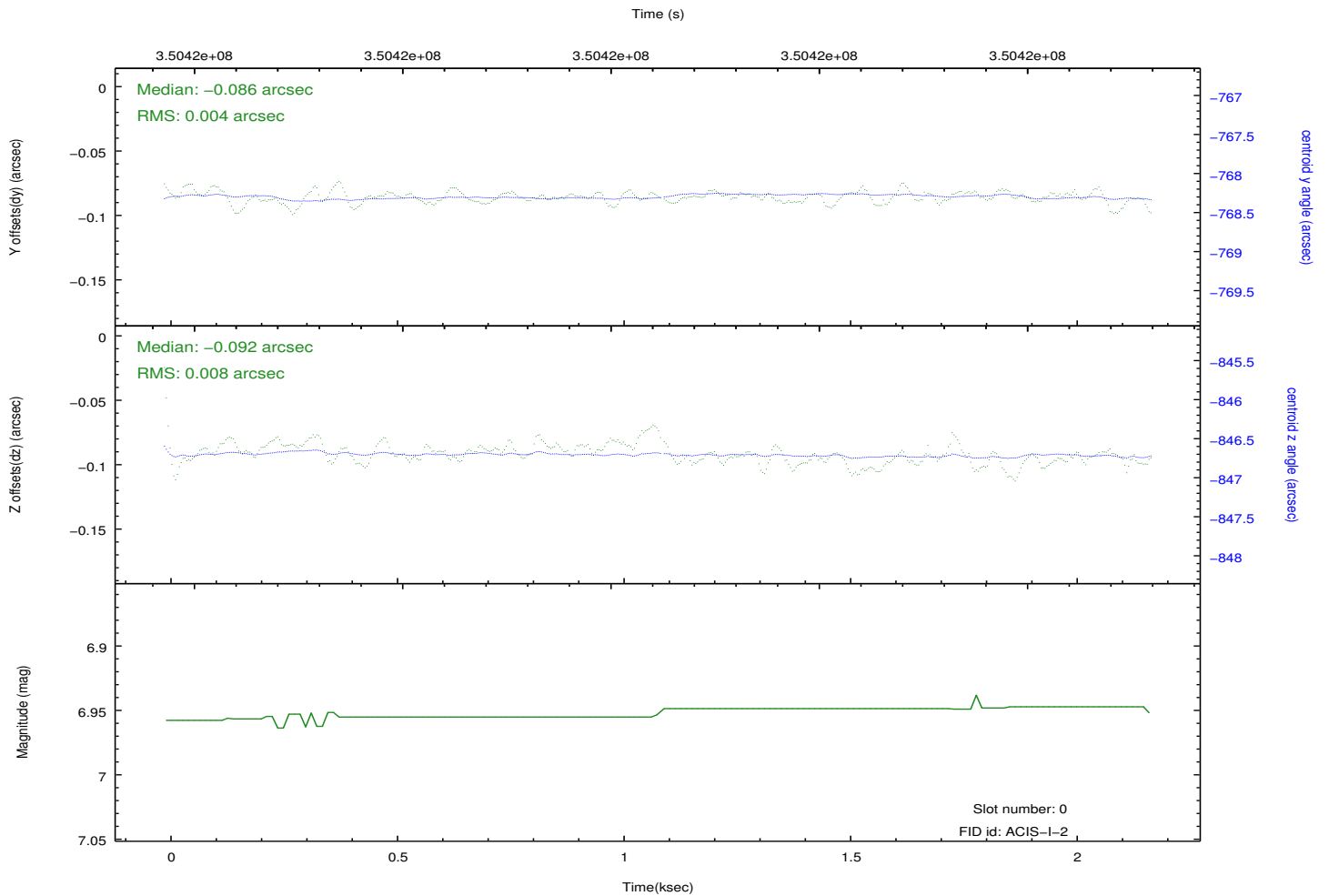
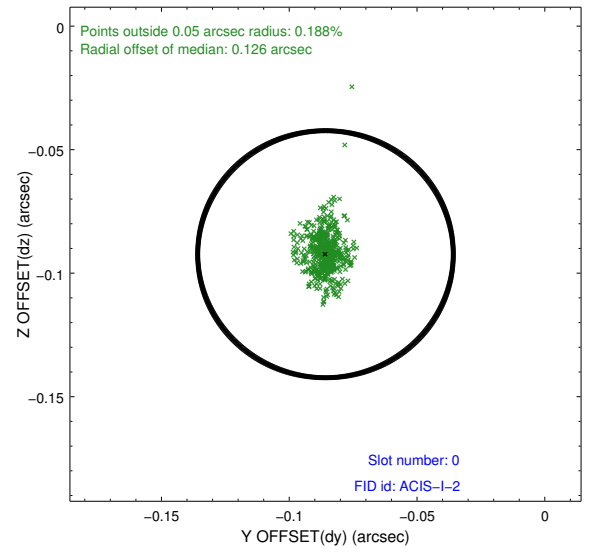
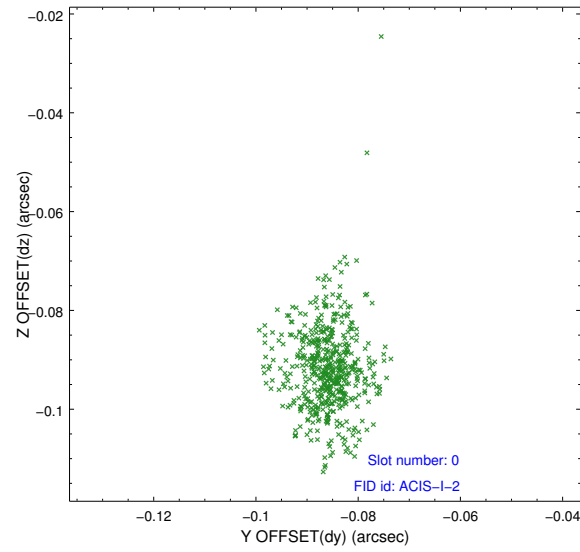


2.4.5 Slot 7

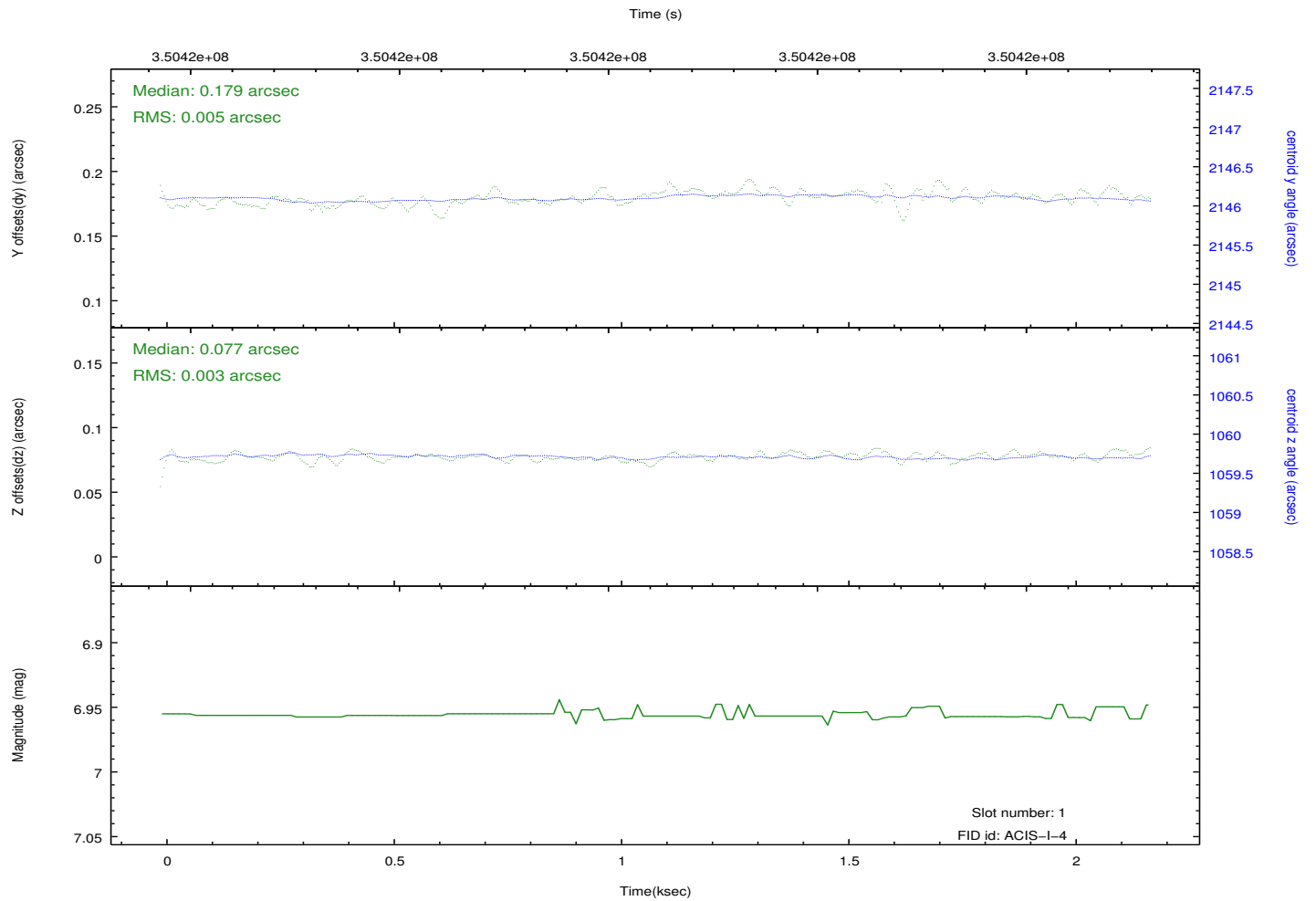
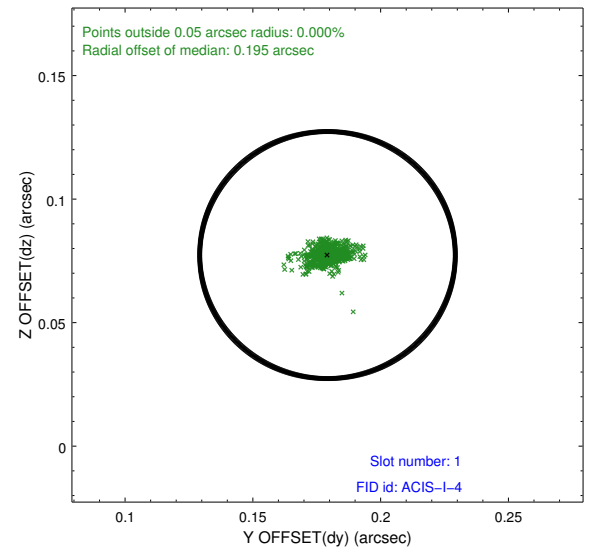
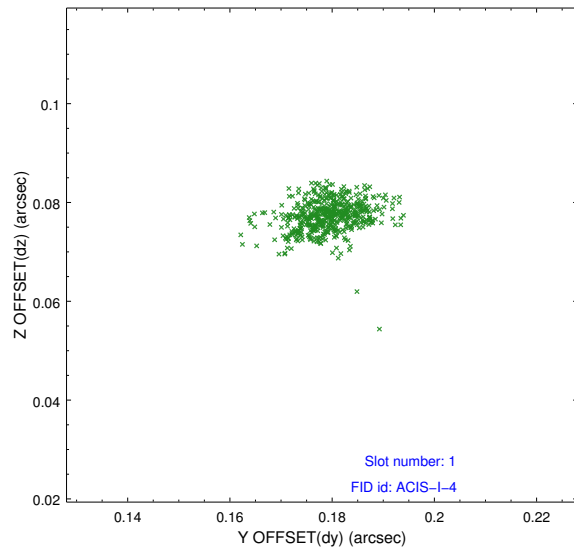


2.5 FID Slots

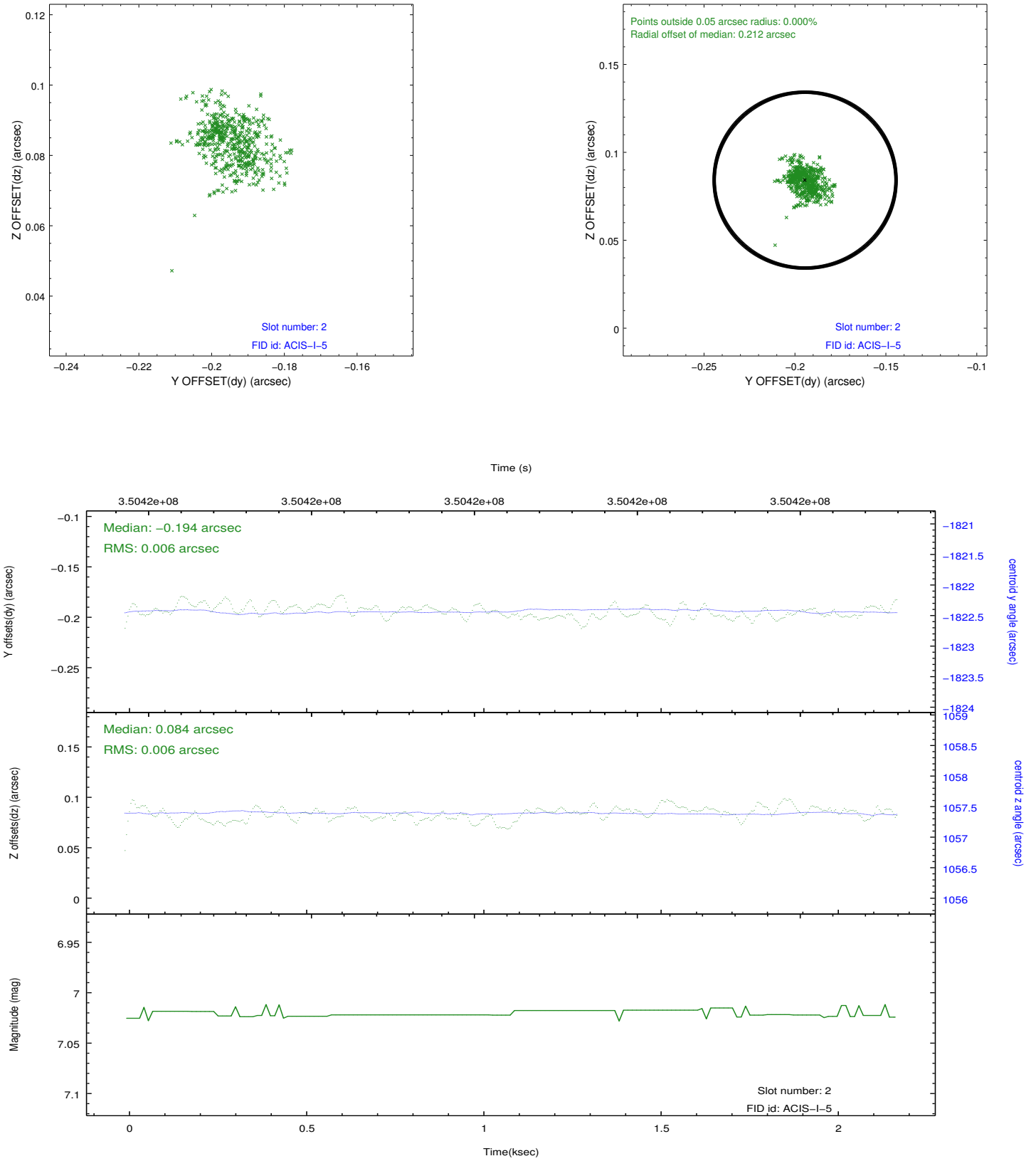
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments

Joint Proposal: NOAO