

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9999 - L2 Version 2
Chandra X-Ray Center

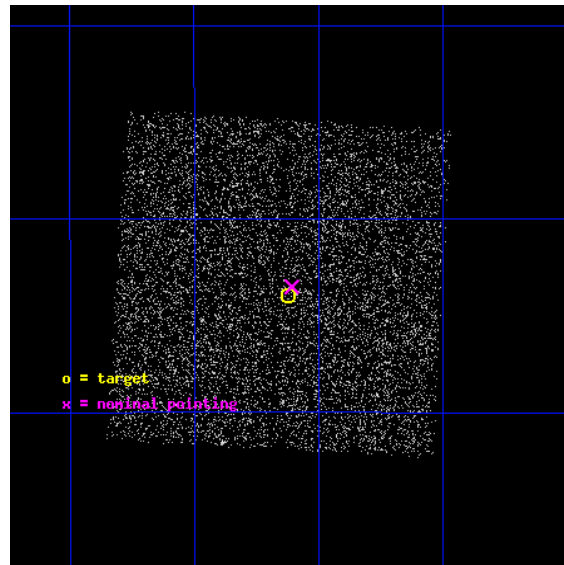
L2 Processing Date : Jun 1 2012

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1 Front

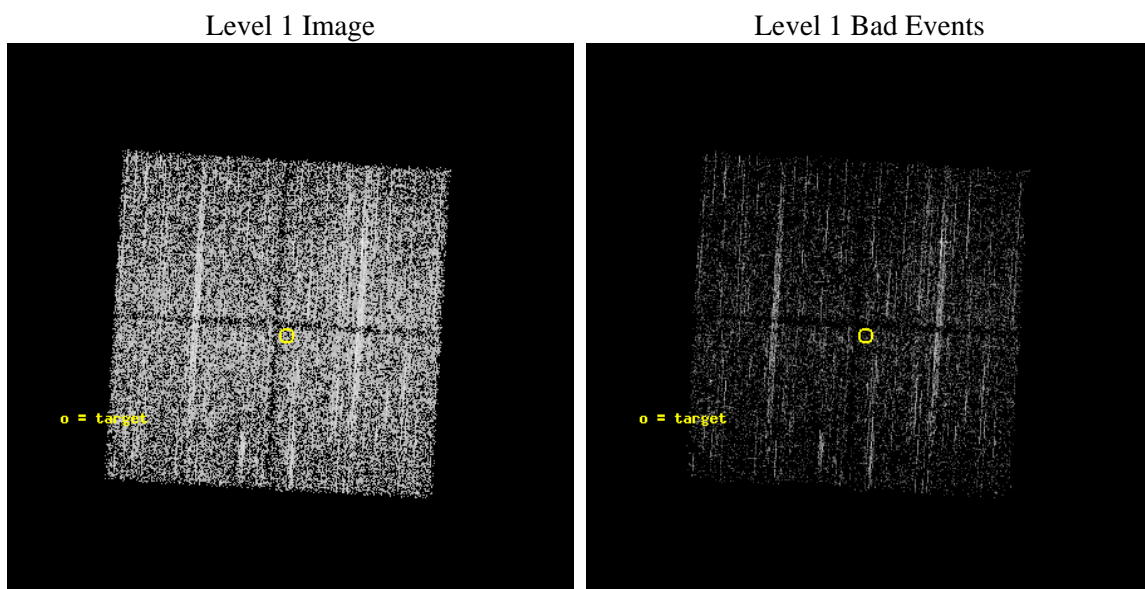
seq_num	400963	Sequence number
obs_id	9999	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.405125	Observer's specified target RA [deg]
dec_targ	-29.899278	Observer's specified target Dec [deg]
ra_nom	263.40188166205	Nominal RA [deg]
dec_nom	-29.891890114147	Nominal Dec [deg]
roll_nom	93.306787409362	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2182.3590264916	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
l2events	10164	Number of level 2 events



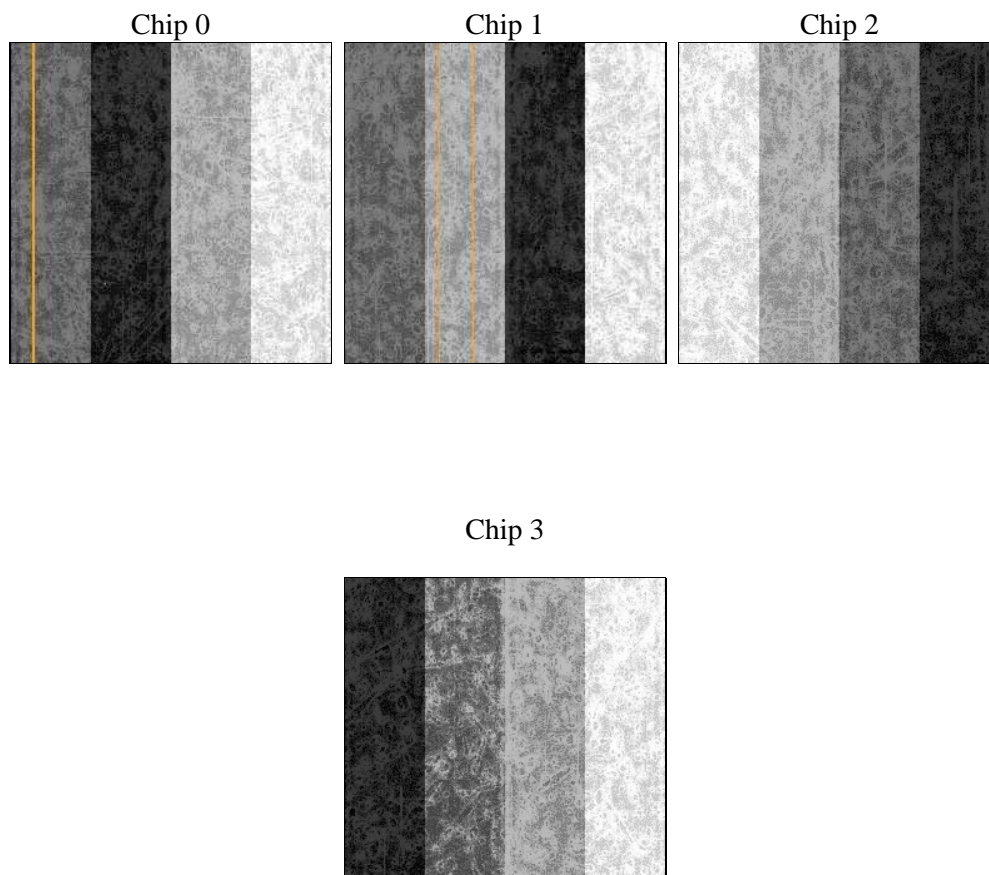
2 OBI

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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-06-01T05:45:44	Date and time of file creation	ontime1	2182.3590264916	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			l1events	98725	Number of level 1 events

2.1.4 Events

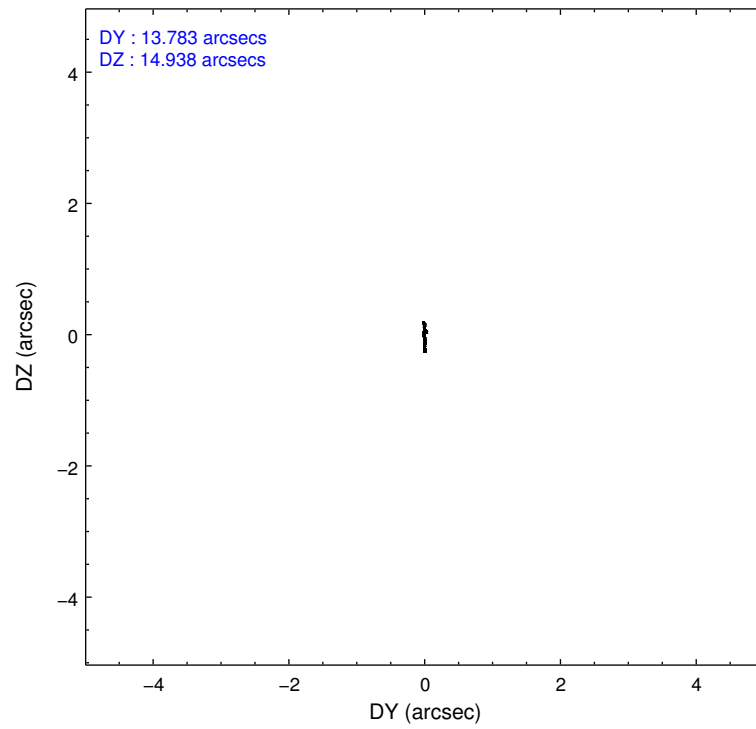
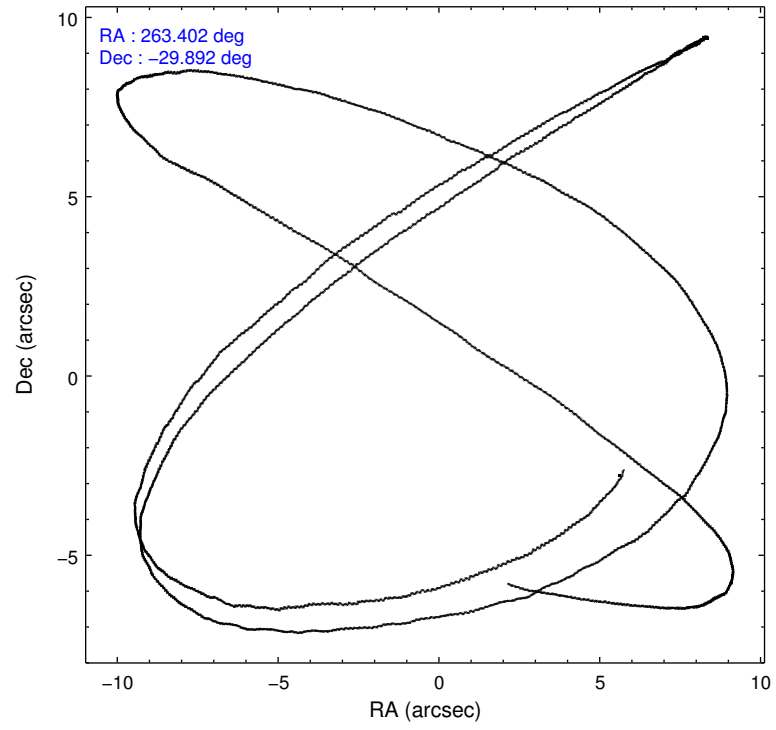
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23188	23667	26581	25289
rejected events	20279	20580	23744	22358
rejected %	87%	86%	89%	88%

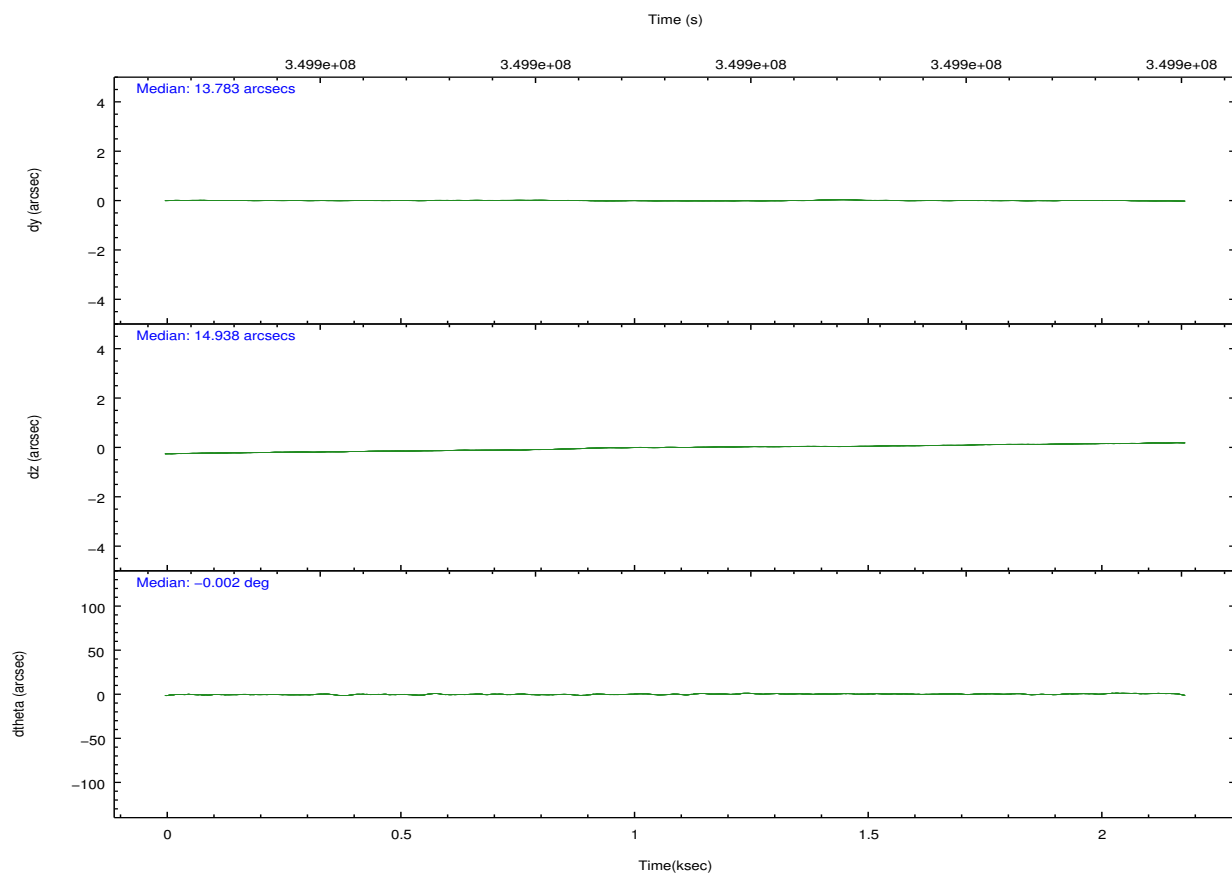
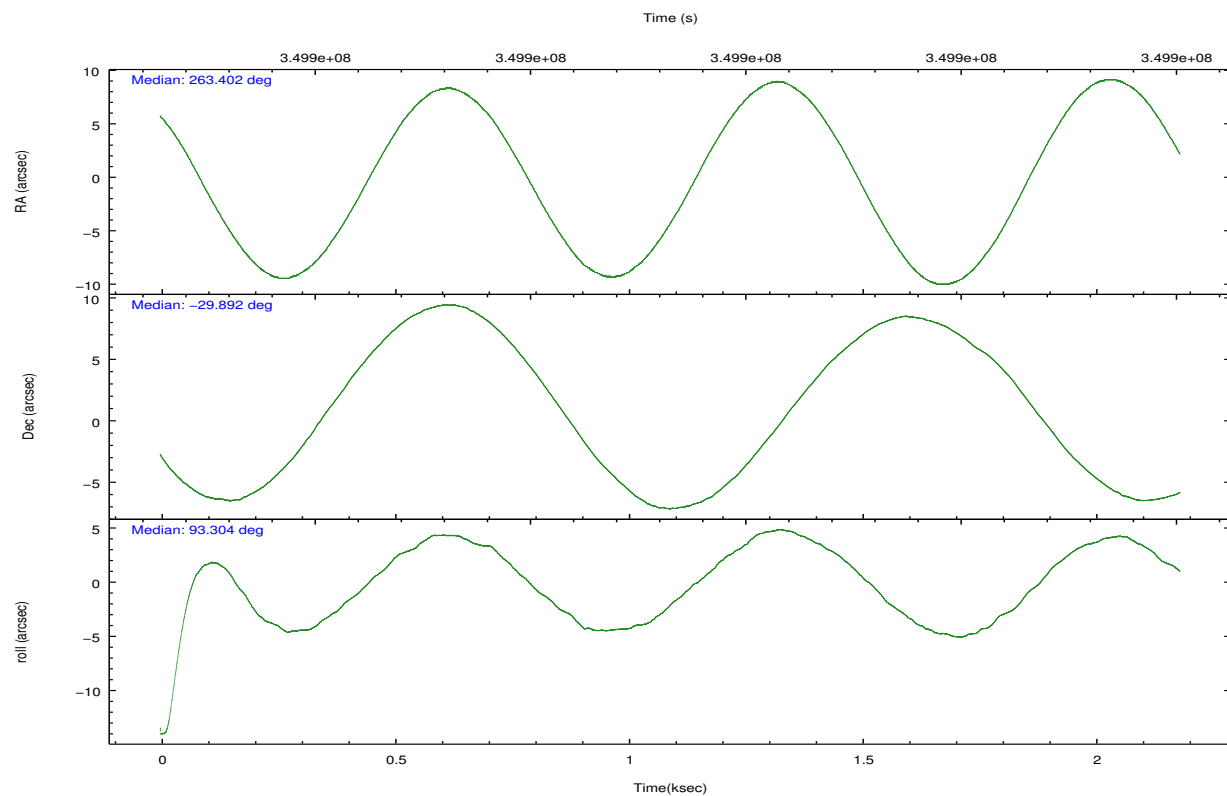
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1532	1464	1490	1553
	6%	6%	5%	6%
grade 1 events	20	15	19	15
	0%	0%	0%	0%
grade 2 events	688	826	697	677
	2%	3%	2%	2%
grade 3 events	265	296	292	297
	1%	1%	1%	1%
grade 4 events	283	344	276	287
	1%	1%	1%	1%
grade 5 events	1066	1206	1042	1234
	4%	5%	3%	4%
grade 6 events	566	629	500	552
	2%	2%	1%	2%
grade 7 events	18768	18887	22265	20674
	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	263.419375	263.401881662047	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.914632	-29.89189011414686	Alternating exposures requested	N	N
[deg] Pointing Roll	93.106848	93.30678740936244	[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)	349896915.184000	349896539.52085			
Observation start date	2009-02-01T17:34:09	2009-02-01T17:28:59			
[s] Observation end time (MET)	349898915.184000	349899048.72097			
Observation end date	2009-02-01T18:07:29	2009-02-01T18:10:48			
Read mode	TIMED	TIMED			

2.3 Aspect



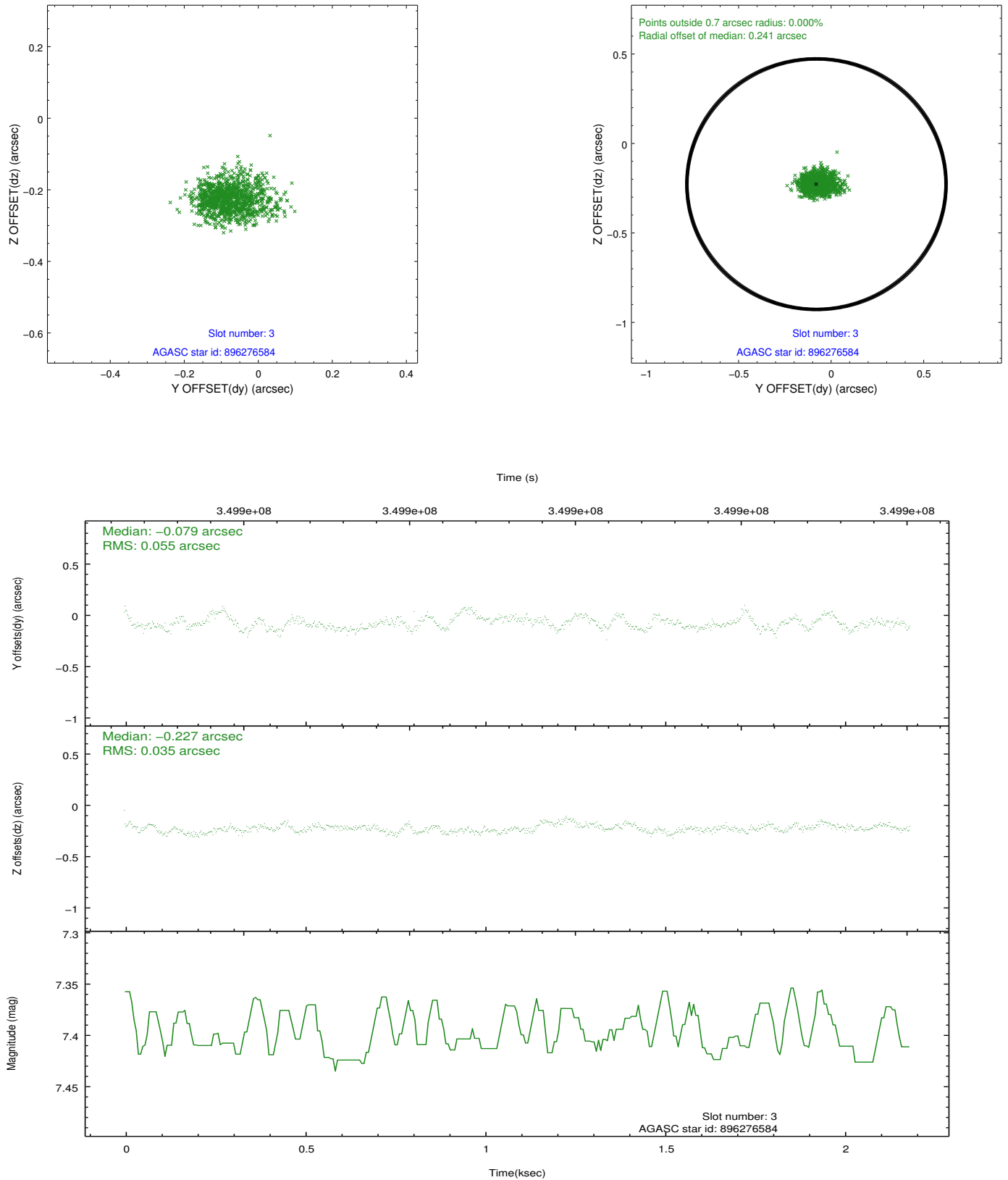


Slot Statistics

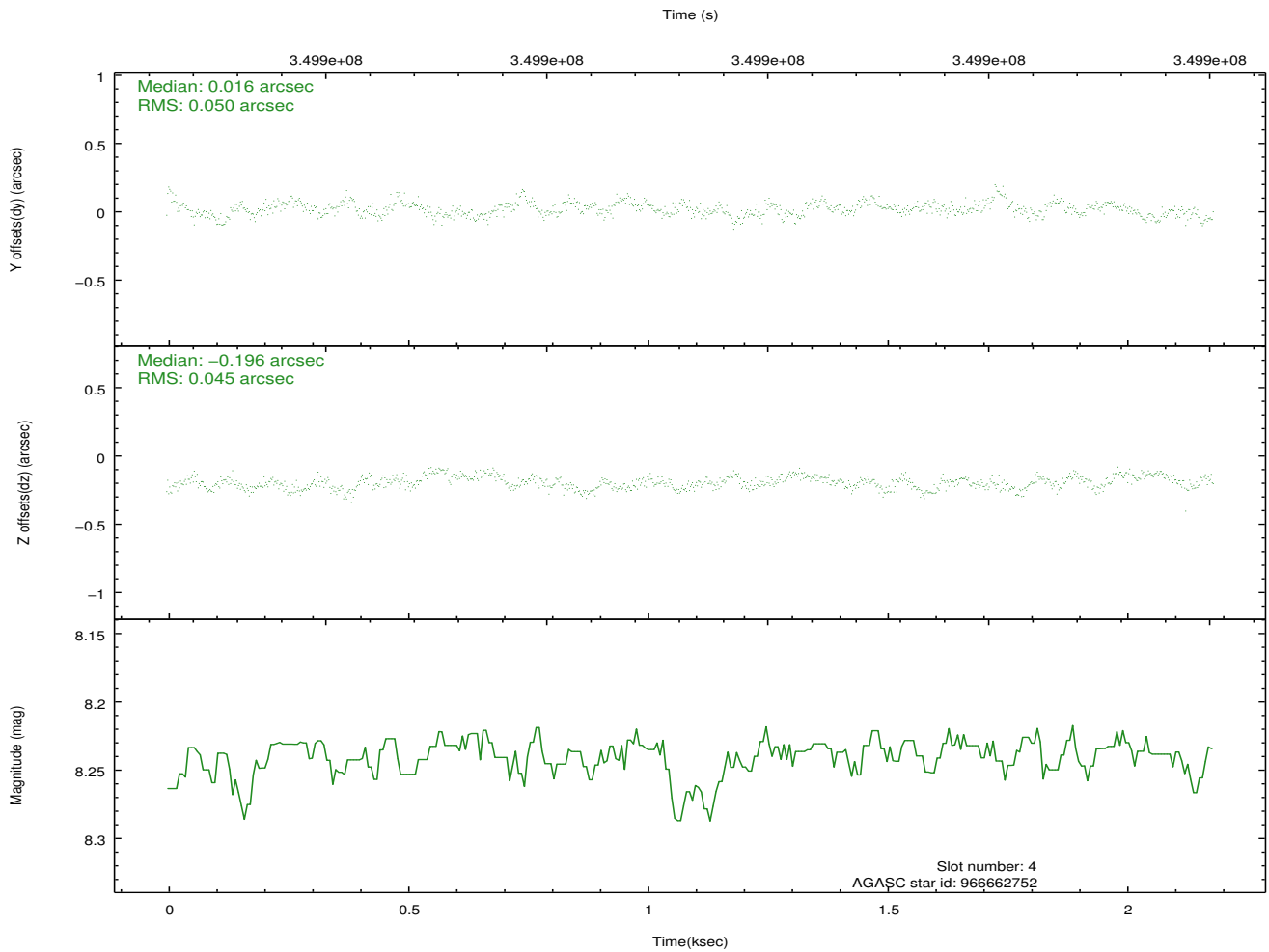
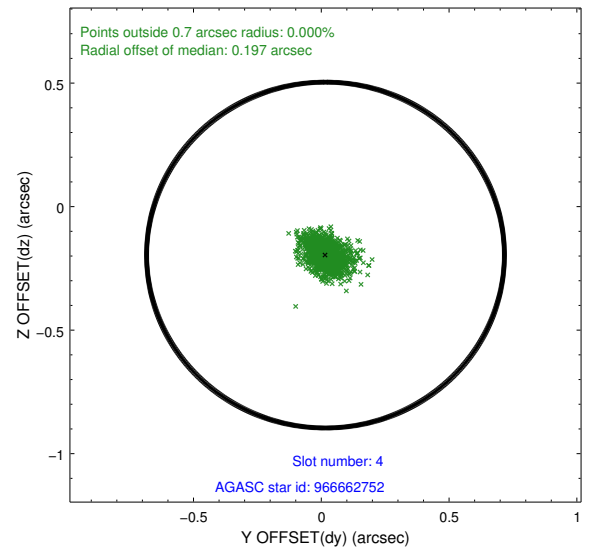
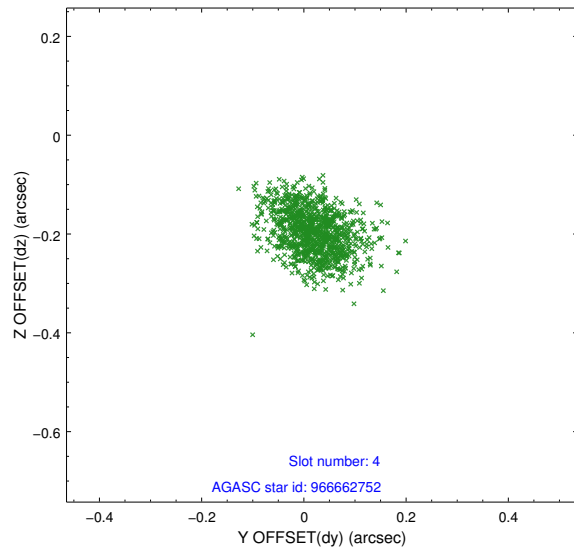
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	533	0.049	-0.020	0.009	0.017	0.000000	0.000000	925.76	-838.52
1	FID	ACIS-I-5	7.08	533	-0.233	0.046	0.006	0.010	0.000000	0.000000	-1820.99	1057.51
2	FID	ACIS-I-6	7.08	533	0.093	0.045	0.008	0.015	0.000000	0.000000	388.09	1705.41
3	GUIDE	896276584	7.40	1066	-0.079	-0.227	0.068	0.115	263.264332	-29.650845	974.99	432.90
4	GUIDE	966662752	8.24	1066	0.016	-0.196	0.070	0.115	262.898473	-30.245665	-1104.13	1682.74
5	GUIDE	966787992	7.75	1066	0.066	0.157	0.076	0.116	263.507229	-30.411177	-1799.90	-173.64
6	GUIDE	966791064	7.77	1066	0.144	0.101	0.061	0.096	263.920275	-30.338943	-1613.66	-1471.02
7	GUIDE	896276544	8.12	1065	-0.157	0.159	0.072	0.110	263.666616	-29.255819	2324.58	-904.89

2.4 Star Slots

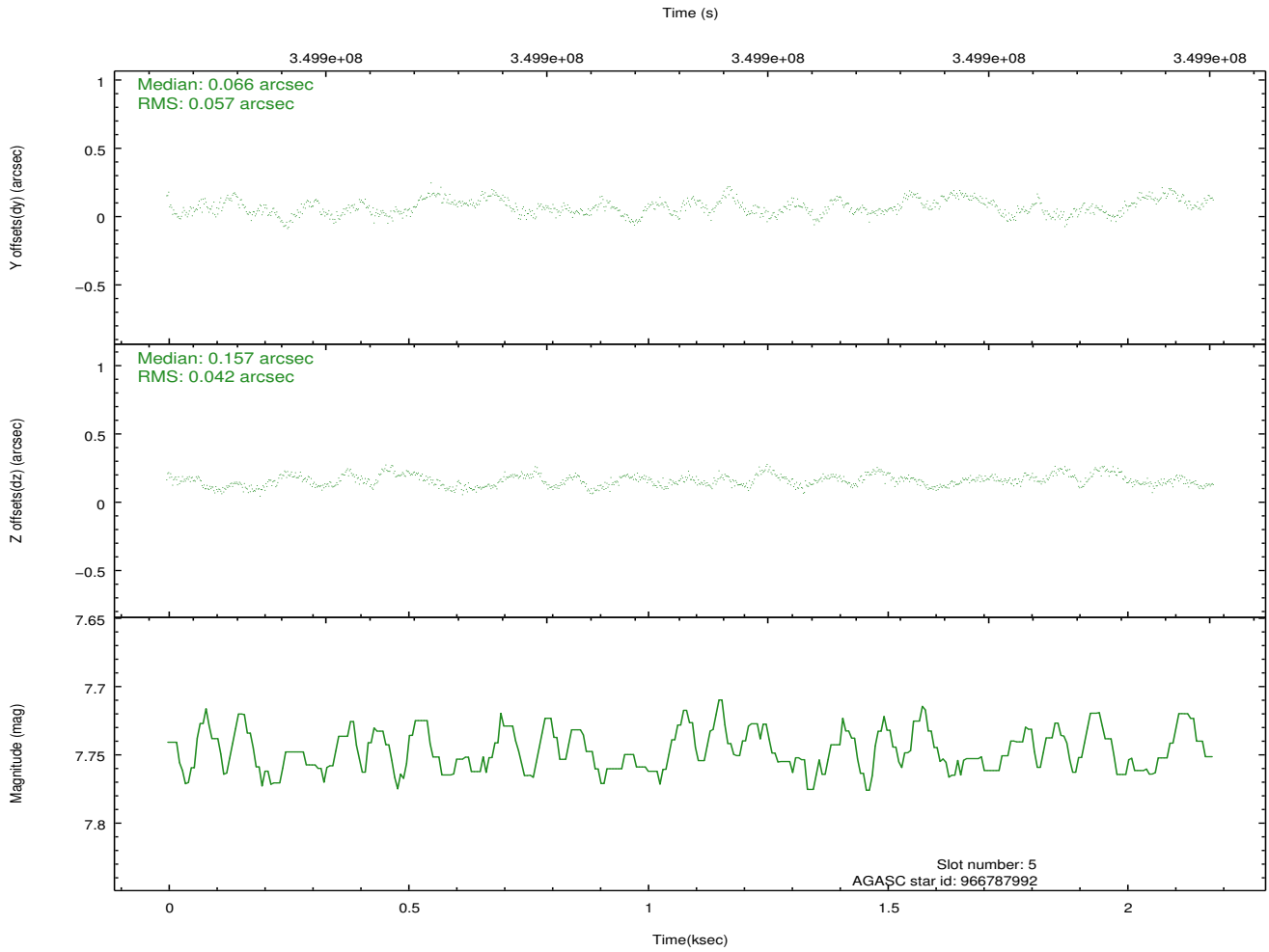
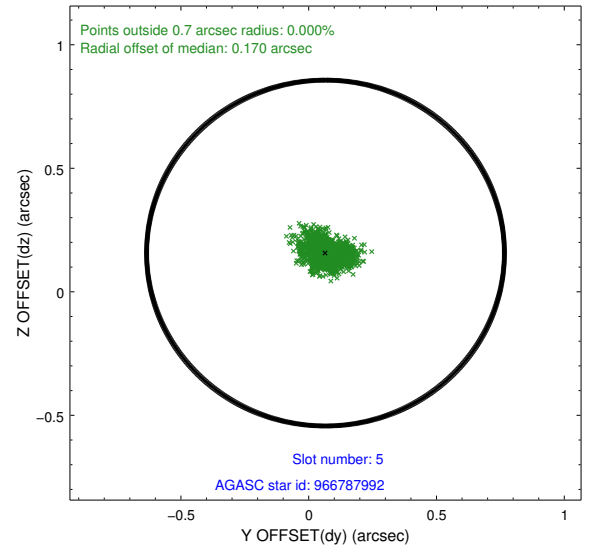
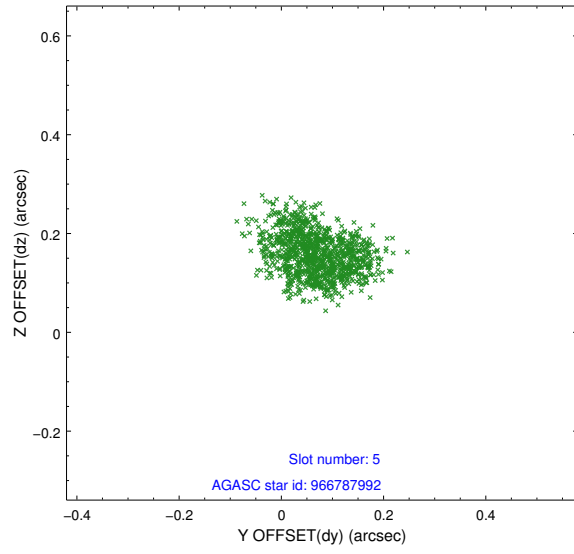
2.4.1 Slot 3



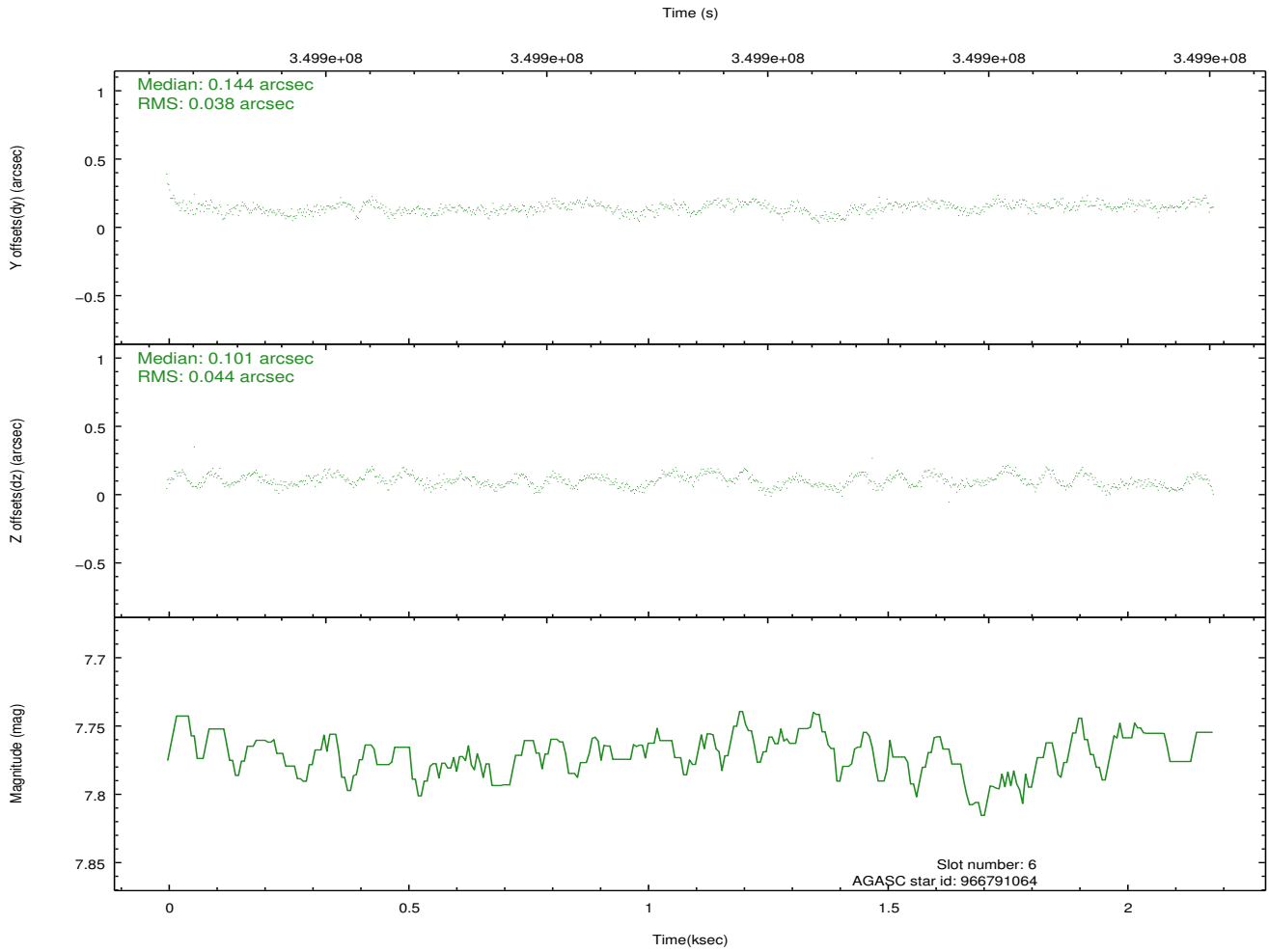
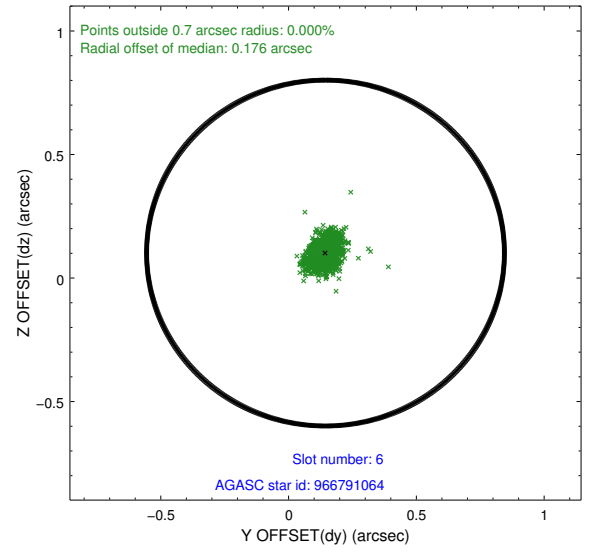
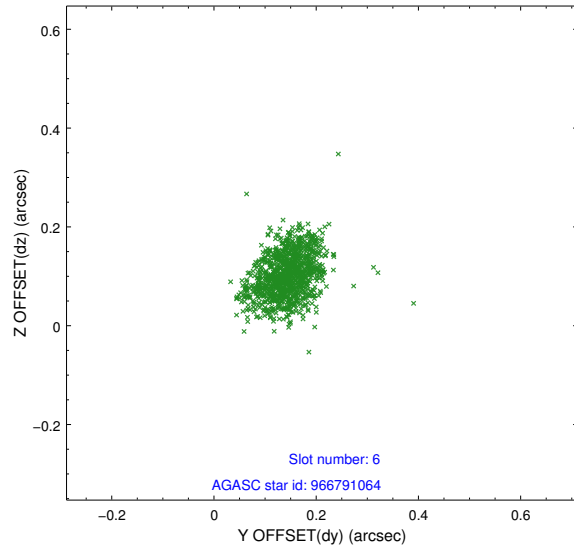
2.4.2 Slot 4



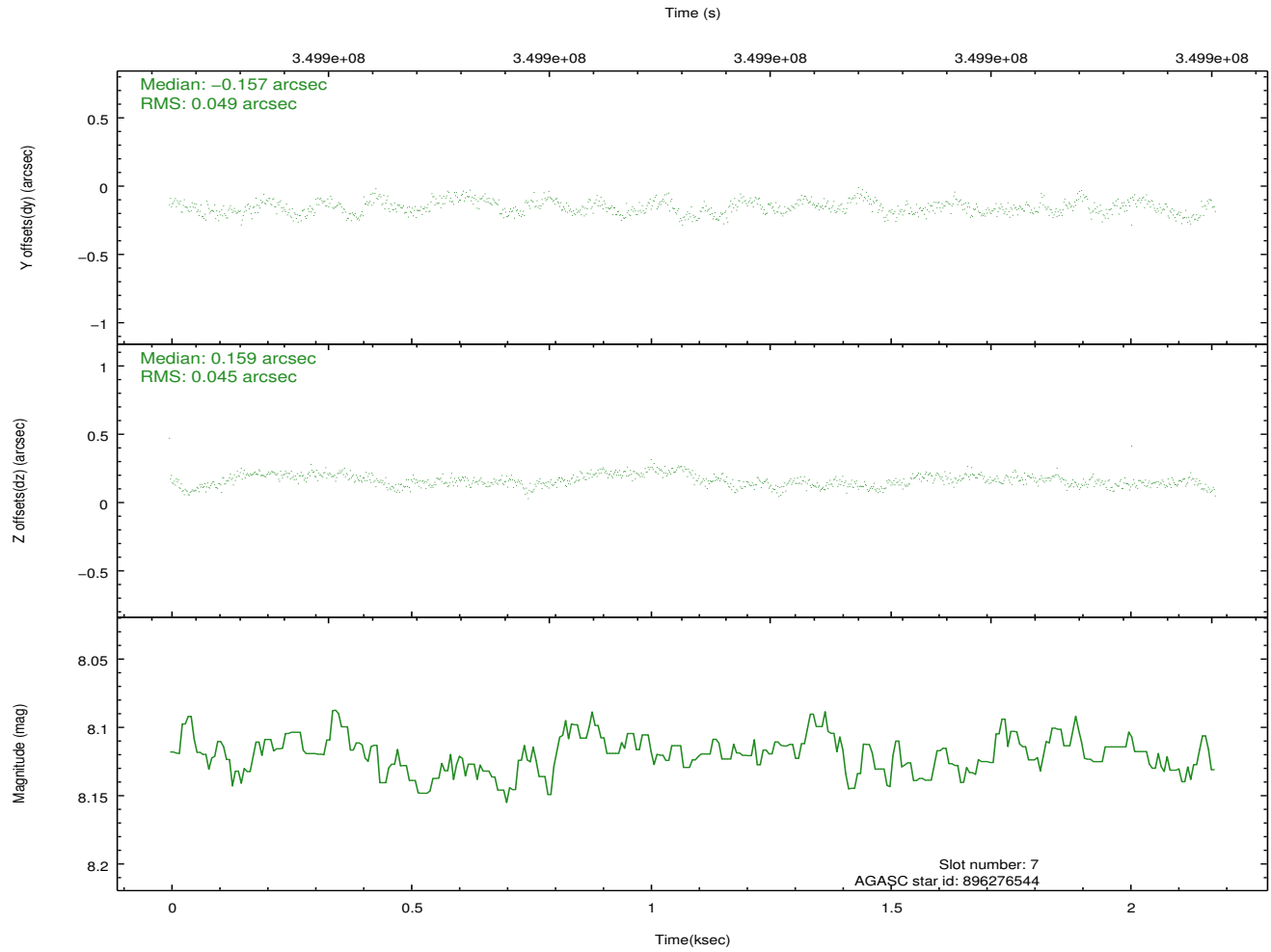
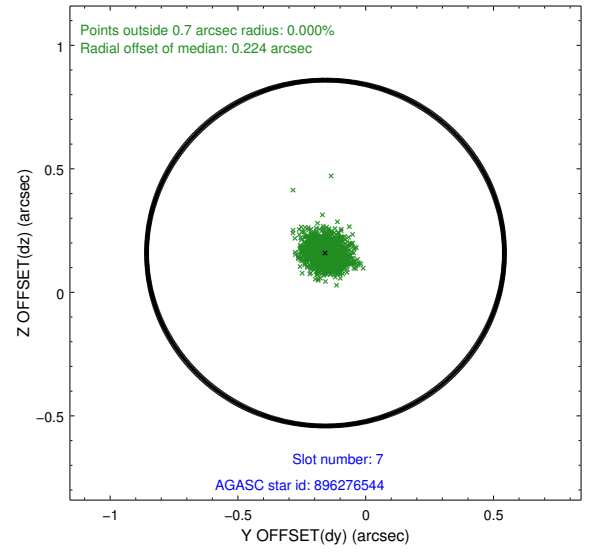
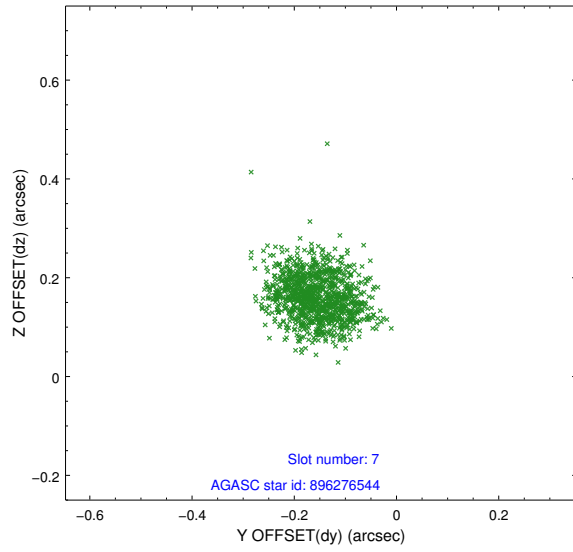
2.4.3 Slot 5



2.4.4 Slot 6

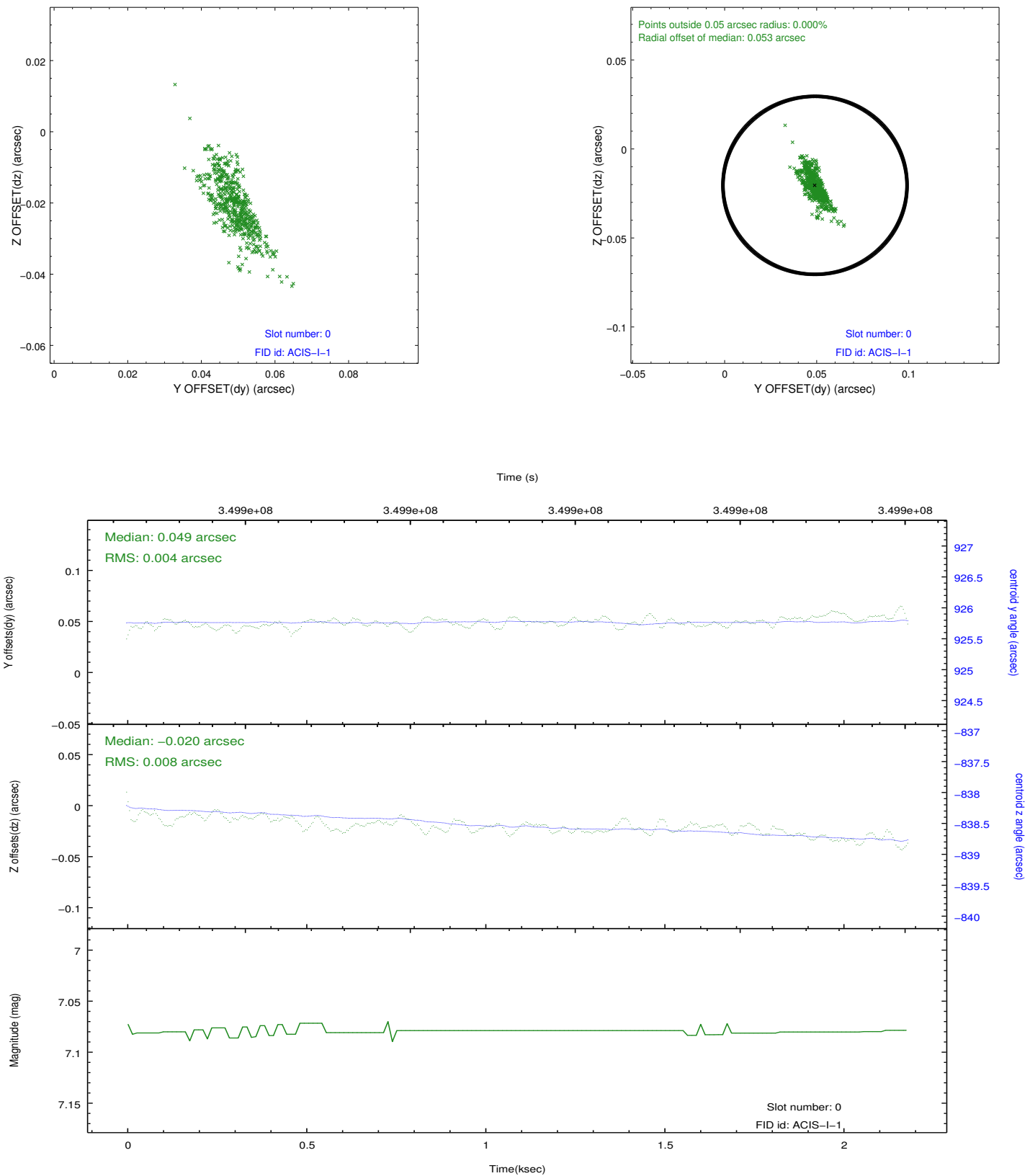


2.4.5 Slot 7

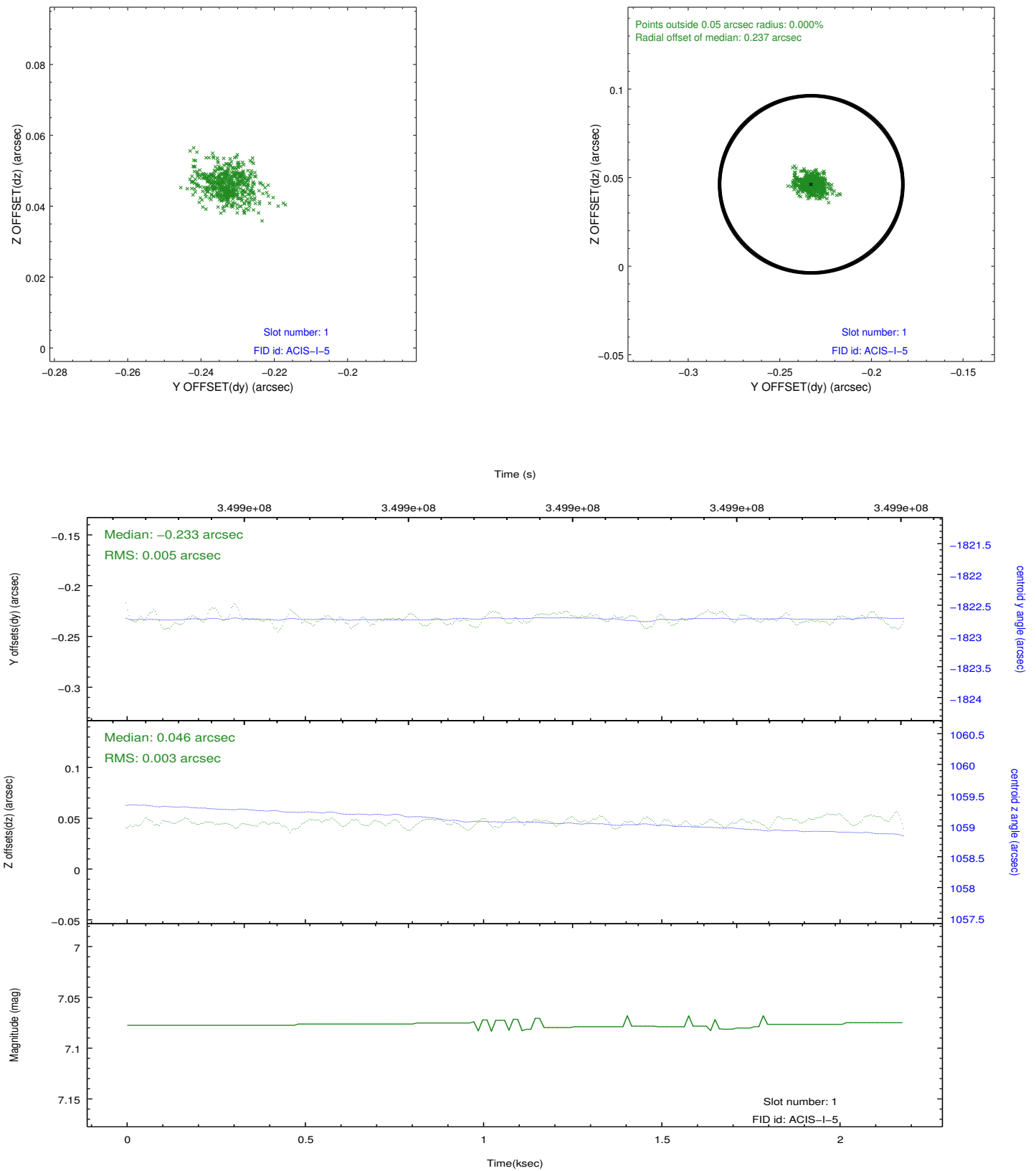


2.5 FID Slots

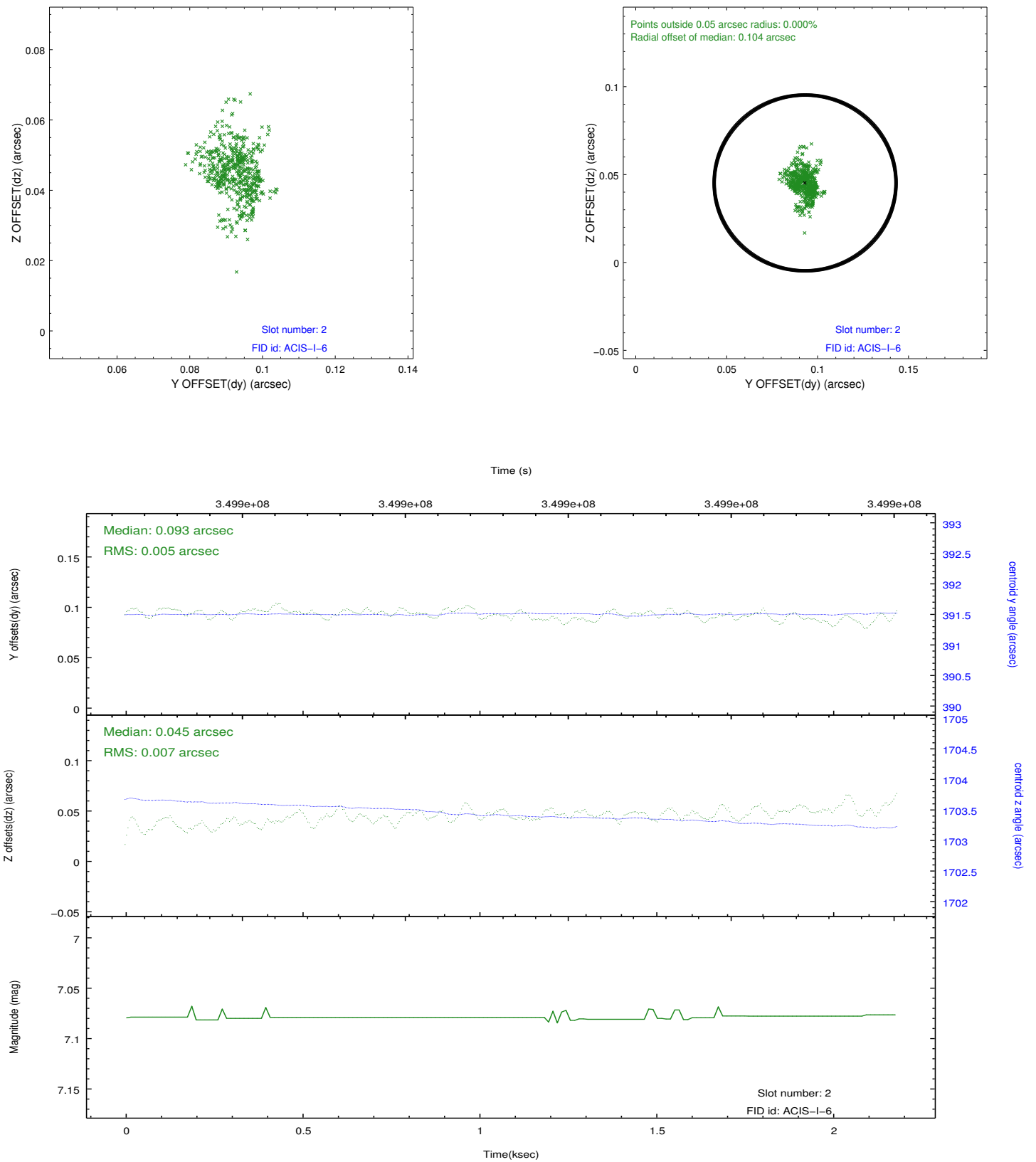
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint Proposal: NOAO