

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8706 - L2 Version 2
Chandra X-Ray Center

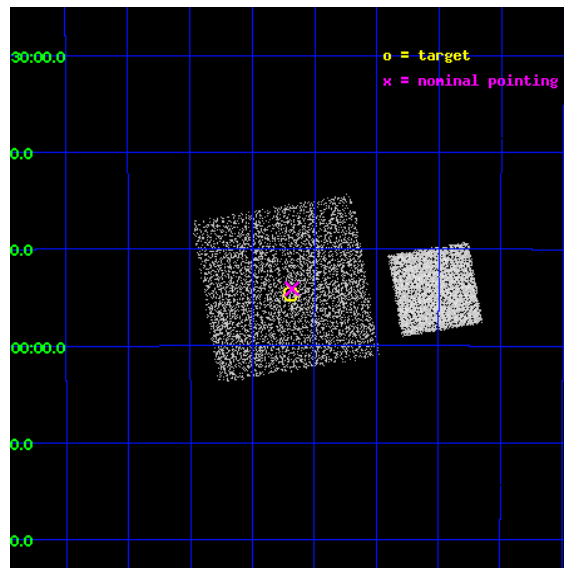
L2 Processing Date : May 15 2012

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1 Front

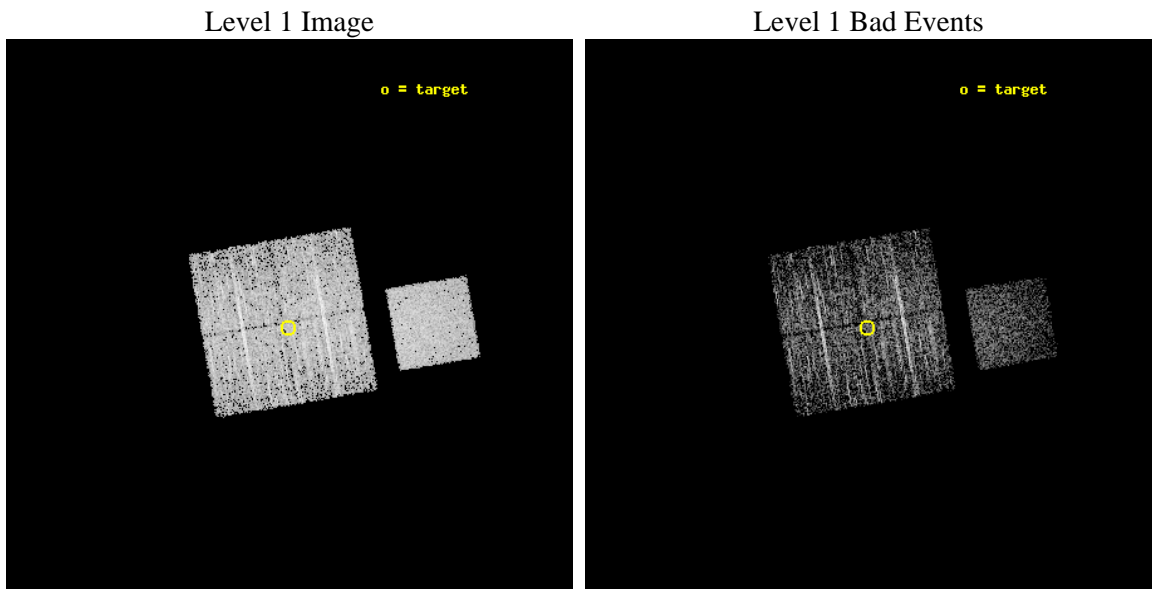
seq_num	400757	Sequence number
obs_id	8706	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.671726	Observer's specified target RA [deg]
dec_targ	-29.910032	Observer's specified target Dec [deg]
ra_nom	263.67049103788	Nominal RA [deg]
dec_nom	-29.902036216532	Nominal Dec [deg]
roll_nom	80.208095437144	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]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15589	Number of level 2 events



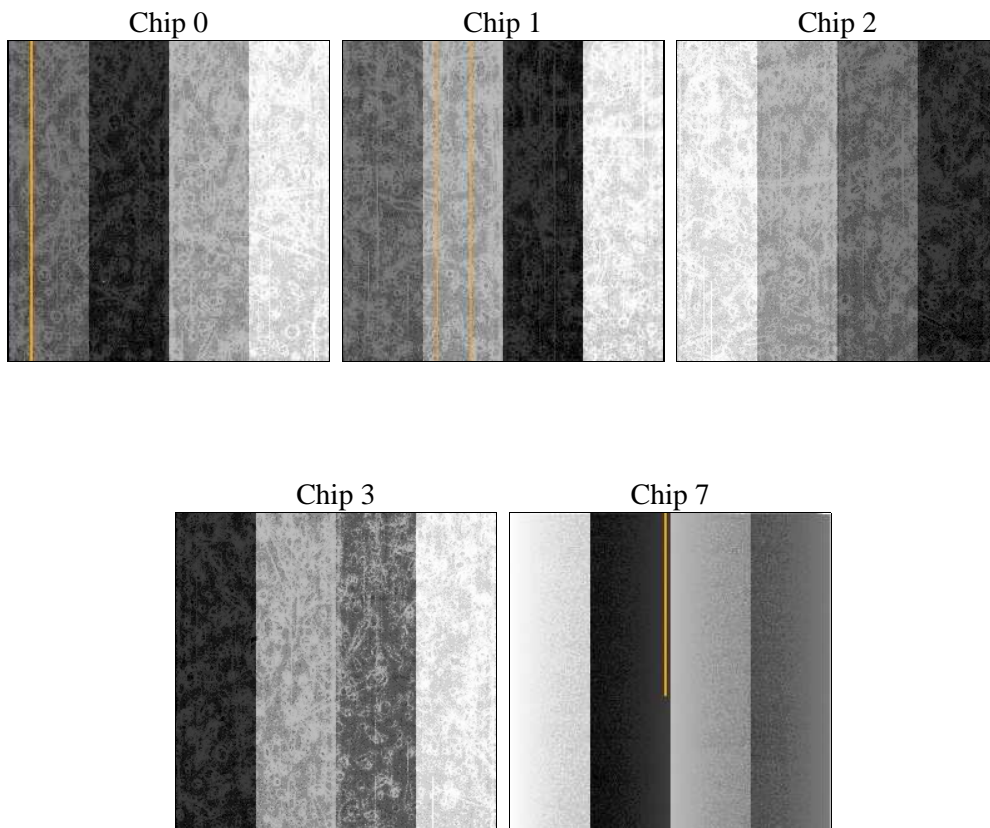
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	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	2012-05-15T03:07:00	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]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	101943	Number of level 1 events

2.1.4 Events

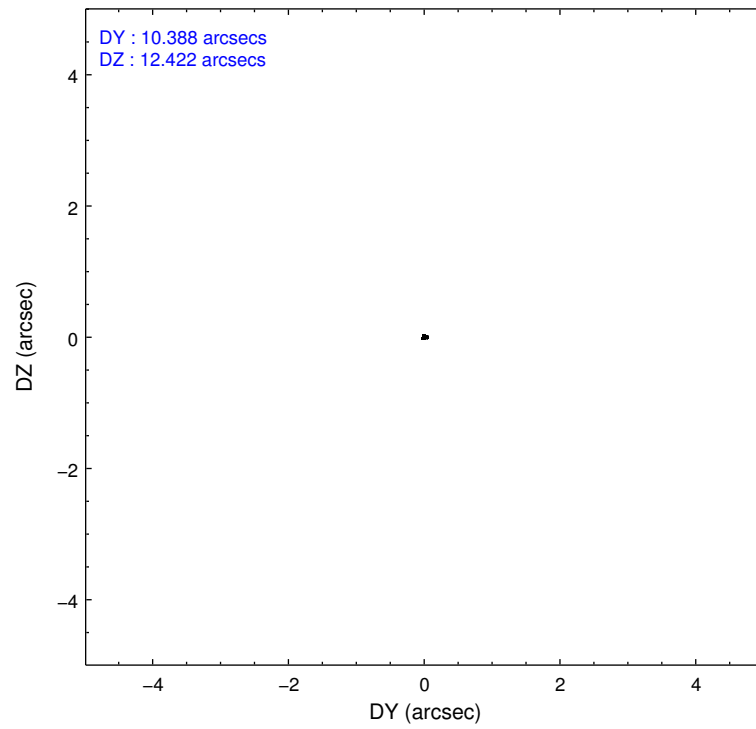
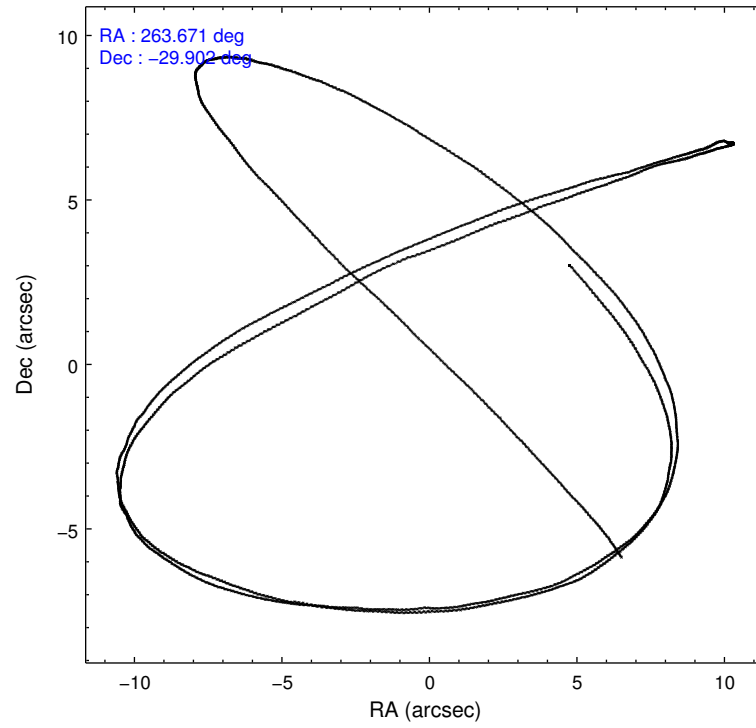
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18940	19987	19588	20871	22557
rejected events	17076	17812	17477	18949	13477
rejected %	90%	89%	89%	90%	59%

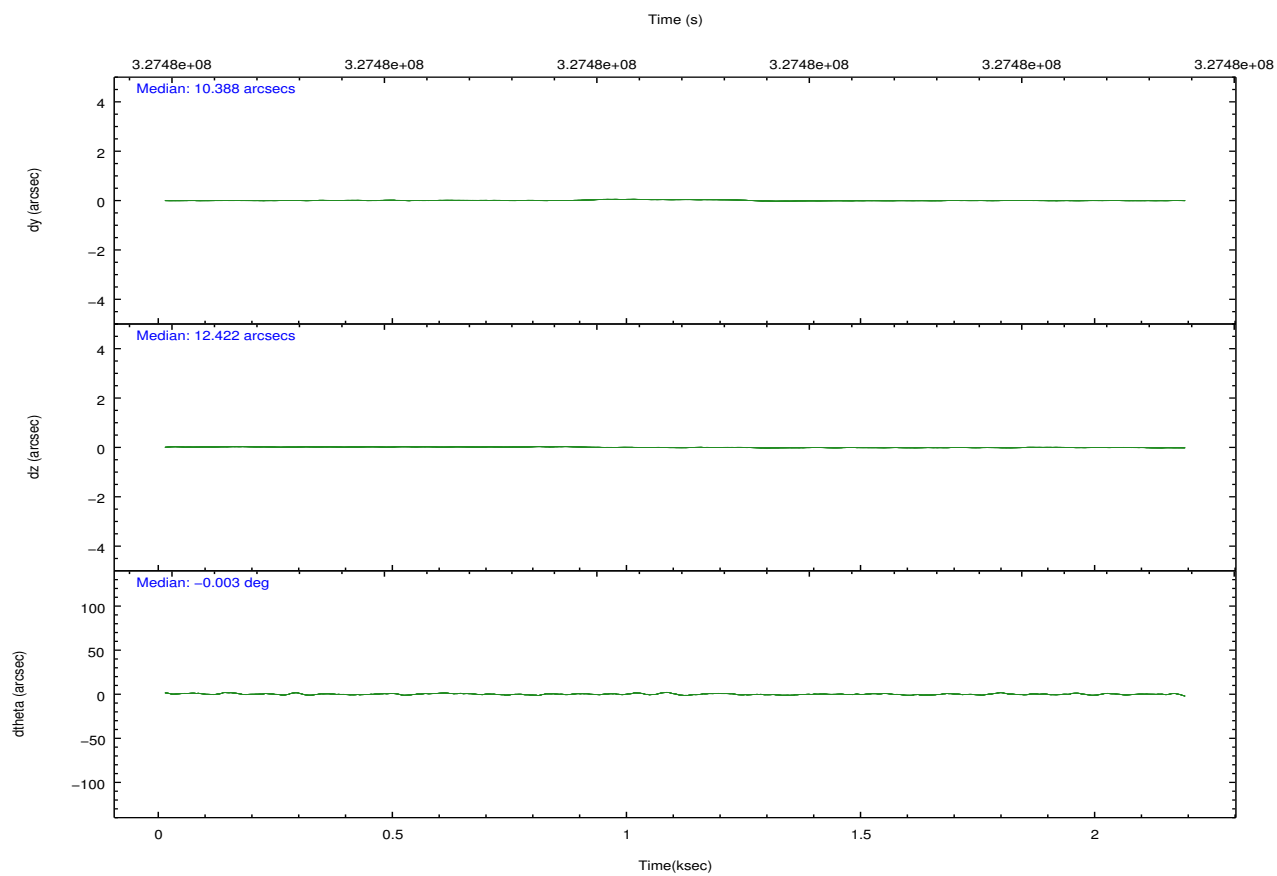
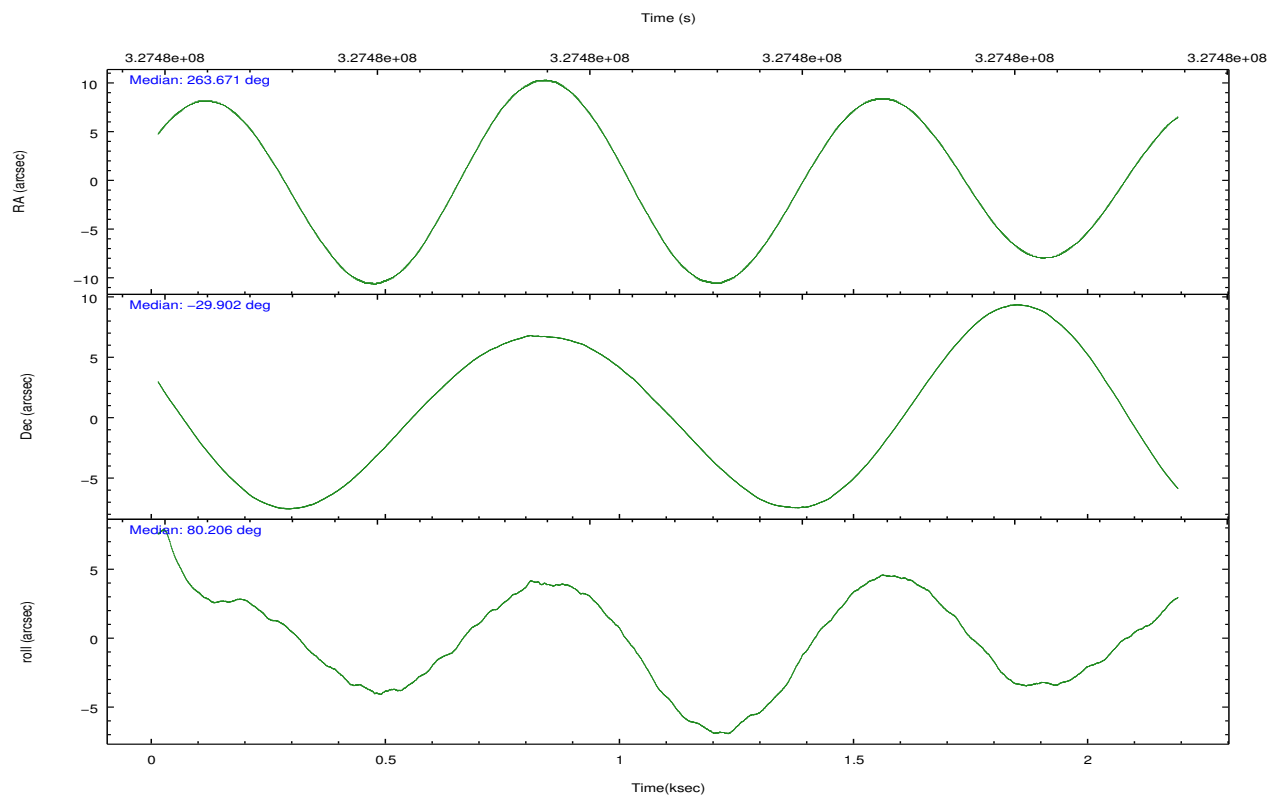
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	881	1063	993	888	988
	4%	5%	5%	4%	4%
grade 1 events	13	8	15	12	35
	0%	0%	0%	0%	0%
grade 2 events	476	531	562	450	2074
	2%	2%	2%	2%	9%
grade 3 events	244	254	227	224	968
	1%	1%	1%	1%	4%
grade 4 events	228	223	242	234	903
	1%	1%	1%	1%	4%
grade 5 events	721	744	648	820	2400
	3%	3%	3%	3%	10%
grade 6 events	356	440	383	379	5433
	1%	2%	1%	1%	24%
grade 7 events	16021	16724	16518	17864	9756
	84%	83%	84%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	263.681597	263.6704910378798	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.927786	-29.90203621653164	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004926	80.20809543714446	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327482274.184000	327481898.09612	CCD S5 on	N	N
Observation start date	2008-05-18T07:16:49	2008-05-18T07:11:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327484274.184000	327484407.80874	On-chip summing requested	N	N
Observation end date	2008-05-18T07:50:09	2008-05-18T07:53:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



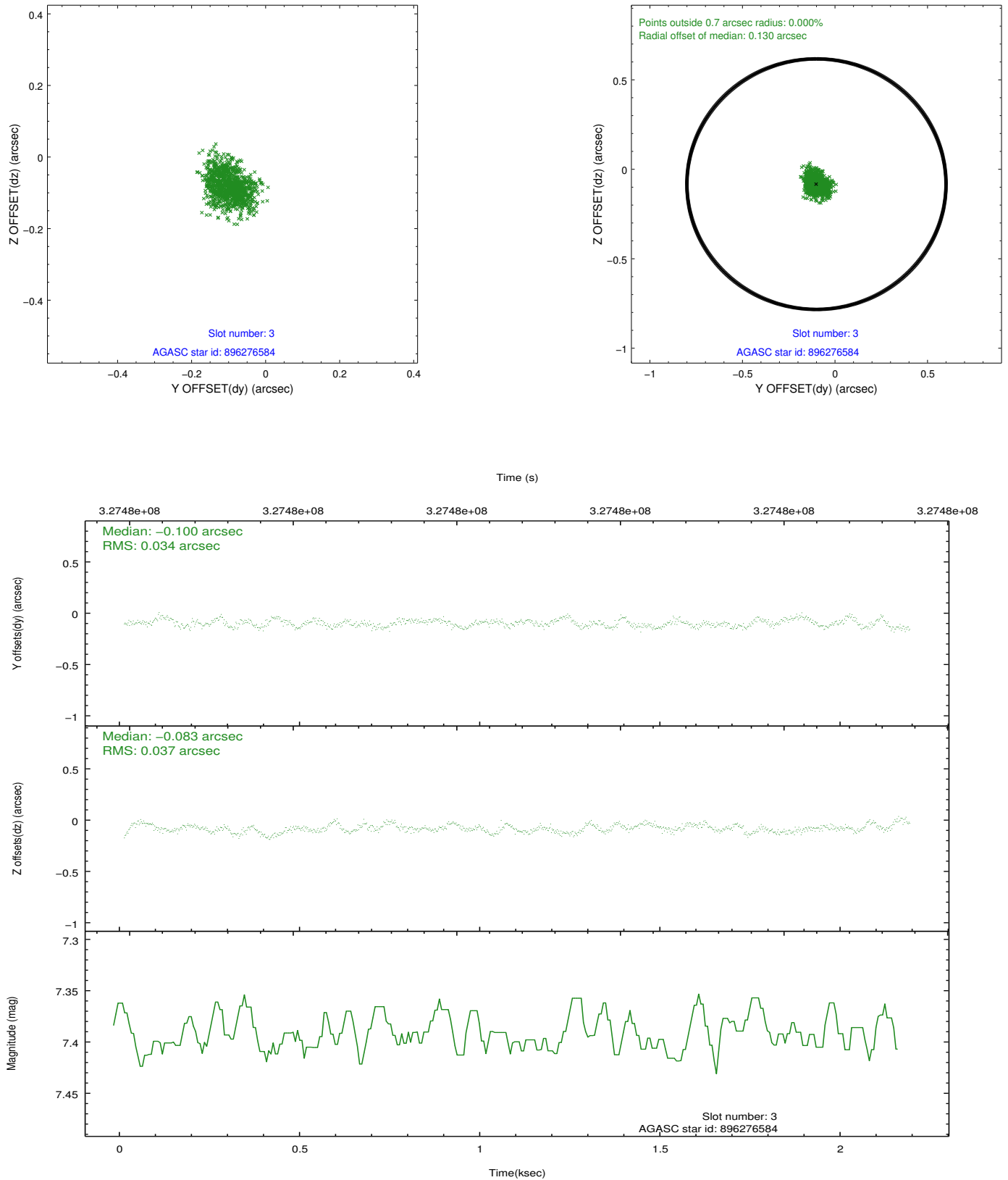


Slot Statistics

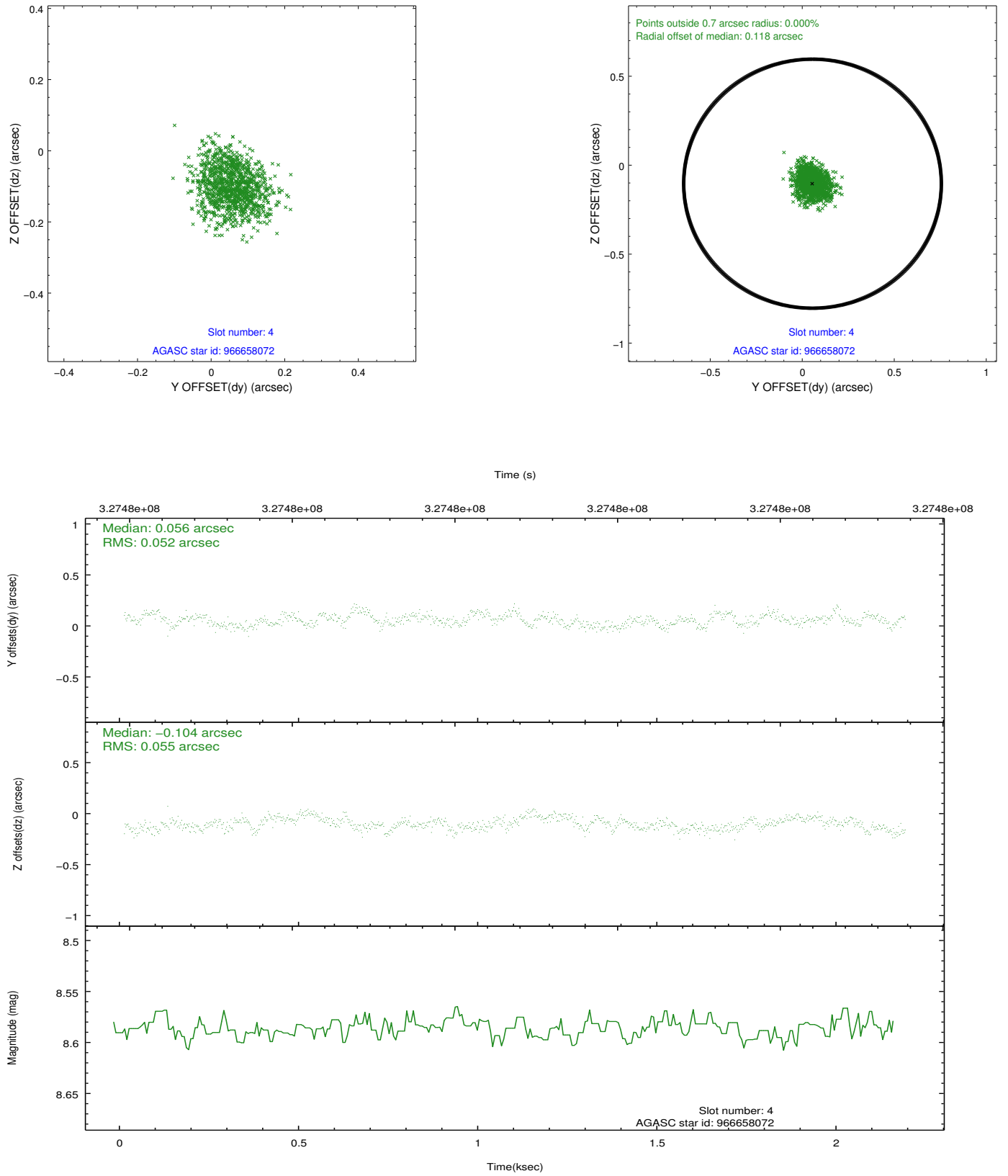
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	-0.074	-0.016	0.006	0.011	0.000000	0.000000	929.13	-835.96
1	FID	ACIS-I-4	6.98	532	0.008	0.081	0.008	0.013	0.000000	0.000000	2150.90	1062.46
2	FID	ACIS-I-6	7.05	532	-0.031	-0.000	0.008	0.013	0.000000	0.000000	398.90	1707.94
3	GUIDE	896276584	7.39	1064	-0.100	-0.083	0.055	0.088	263.264332	-29.650845	752.98	1458.26
4	GUIDE	966658072	8.59	1064	0.056	-0.104	0.082	0.128	262.985614	-30.401203	-2059.18	1832.59
5	GUIDE	966788496	8.63	1064	0.177	0.202	0.066	0.106	264.053541	-30.541810	-1980.19	-1517.89
6	GUIDE	966791064	7.77	1064	0.086	0.051	0.055	0.084	263.920275	-30.338943	-1331.33	-988.76
7	GUIDE	896276544	8.13	1063	-0.218	-0.068	0.068	0.109	263.666616	-29.255819	2372.88	465.34

2.4 Star Slots

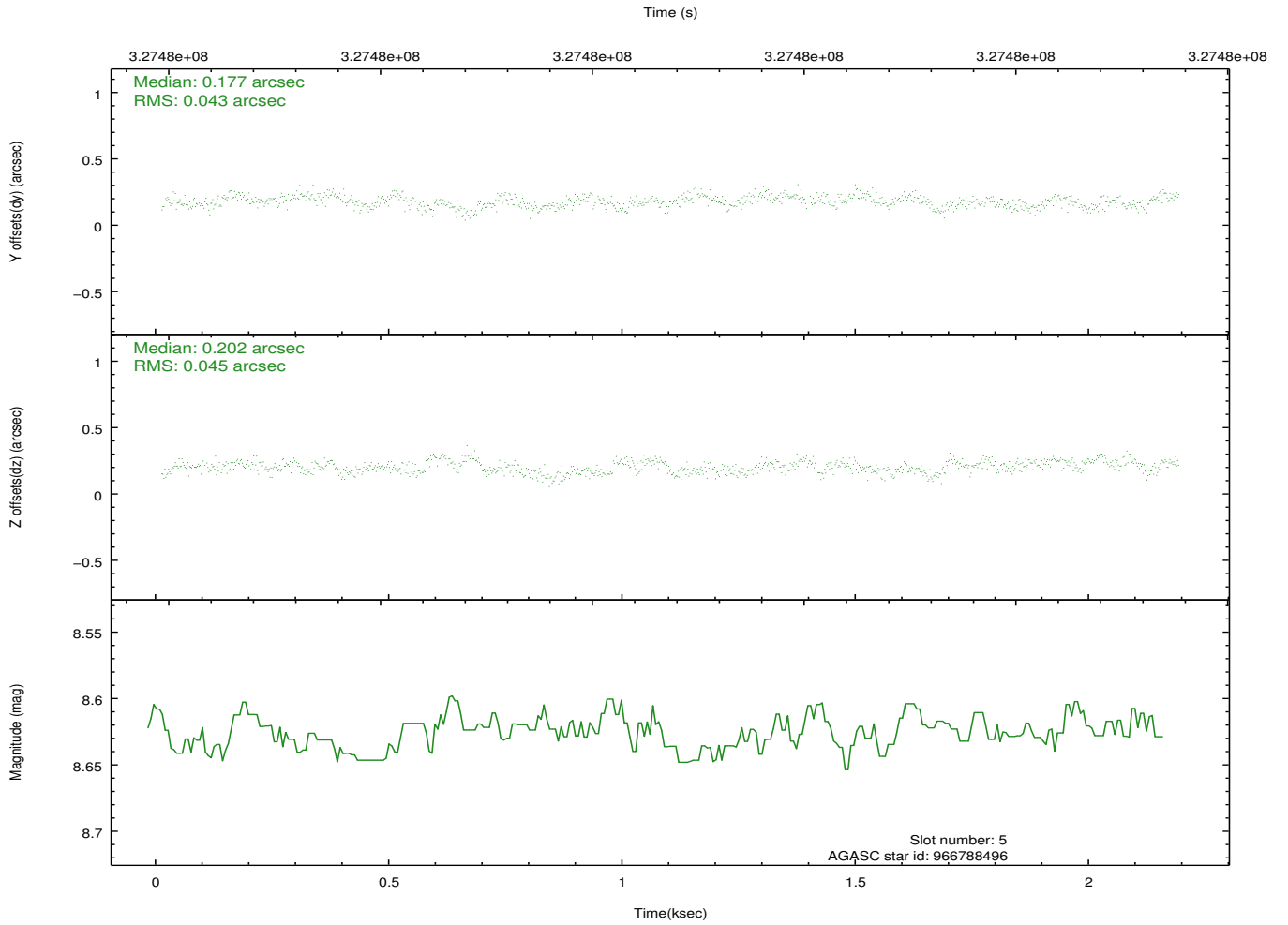
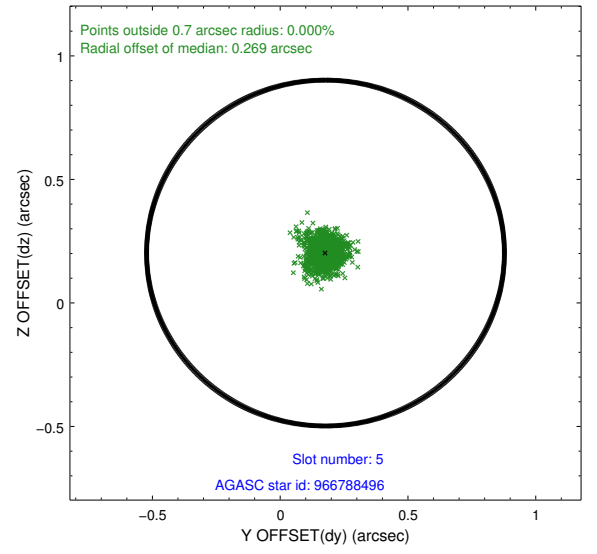
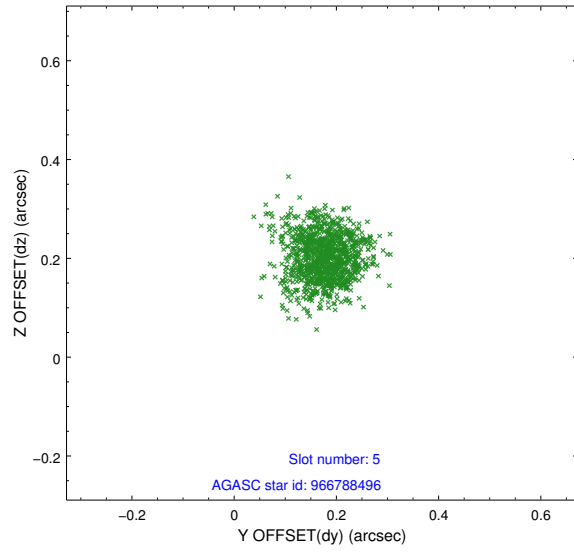
2.4.1 Slot 3



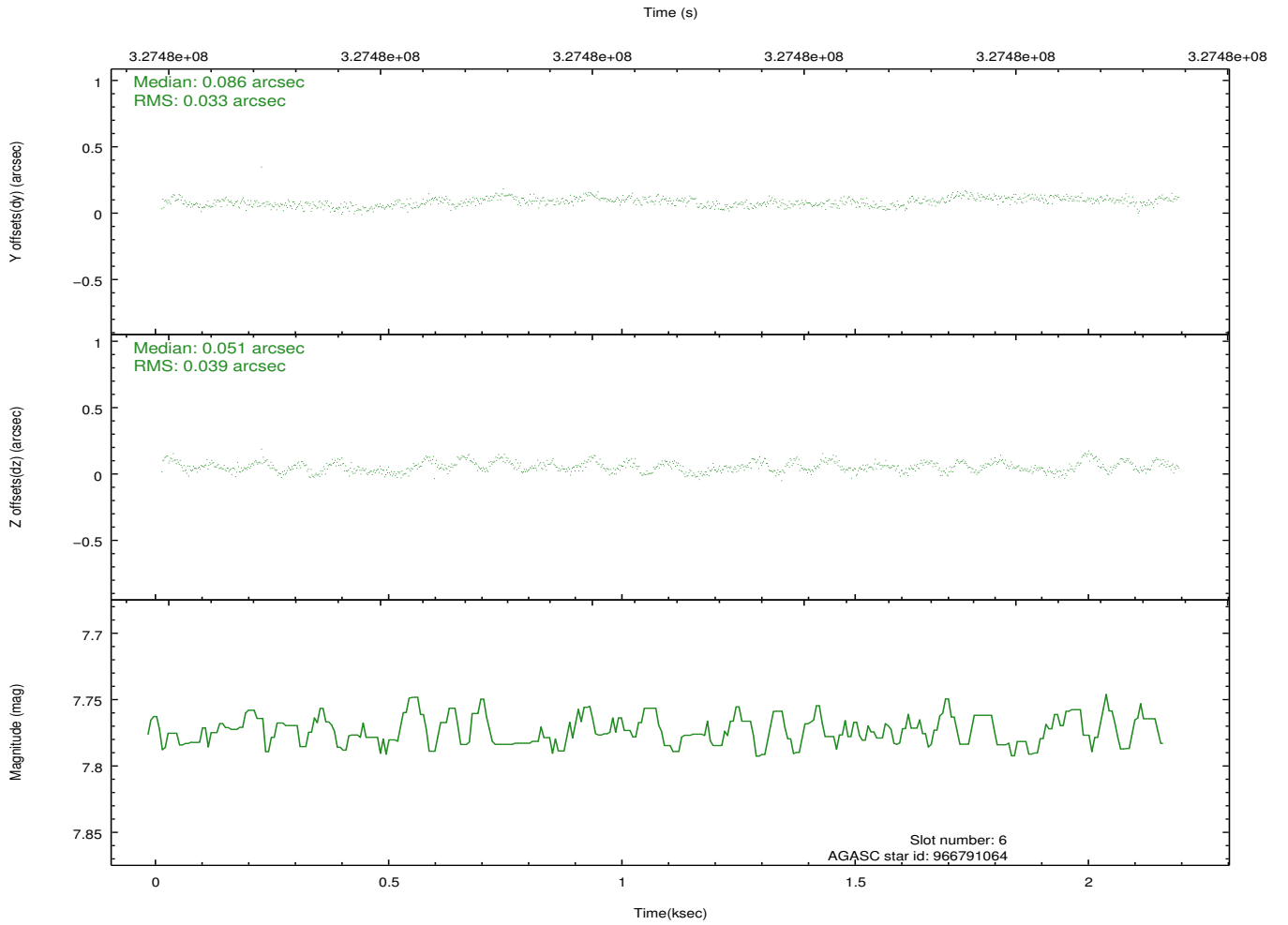
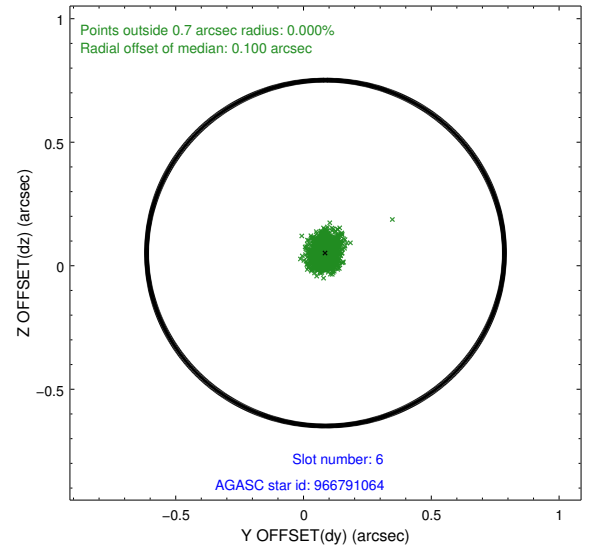
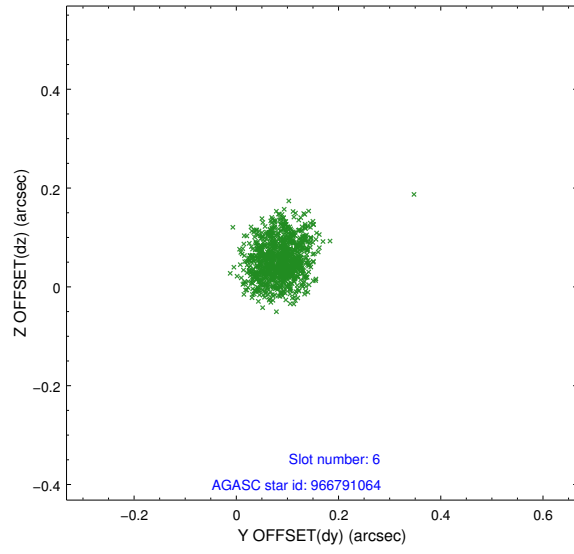
2.4.2 Slot 4



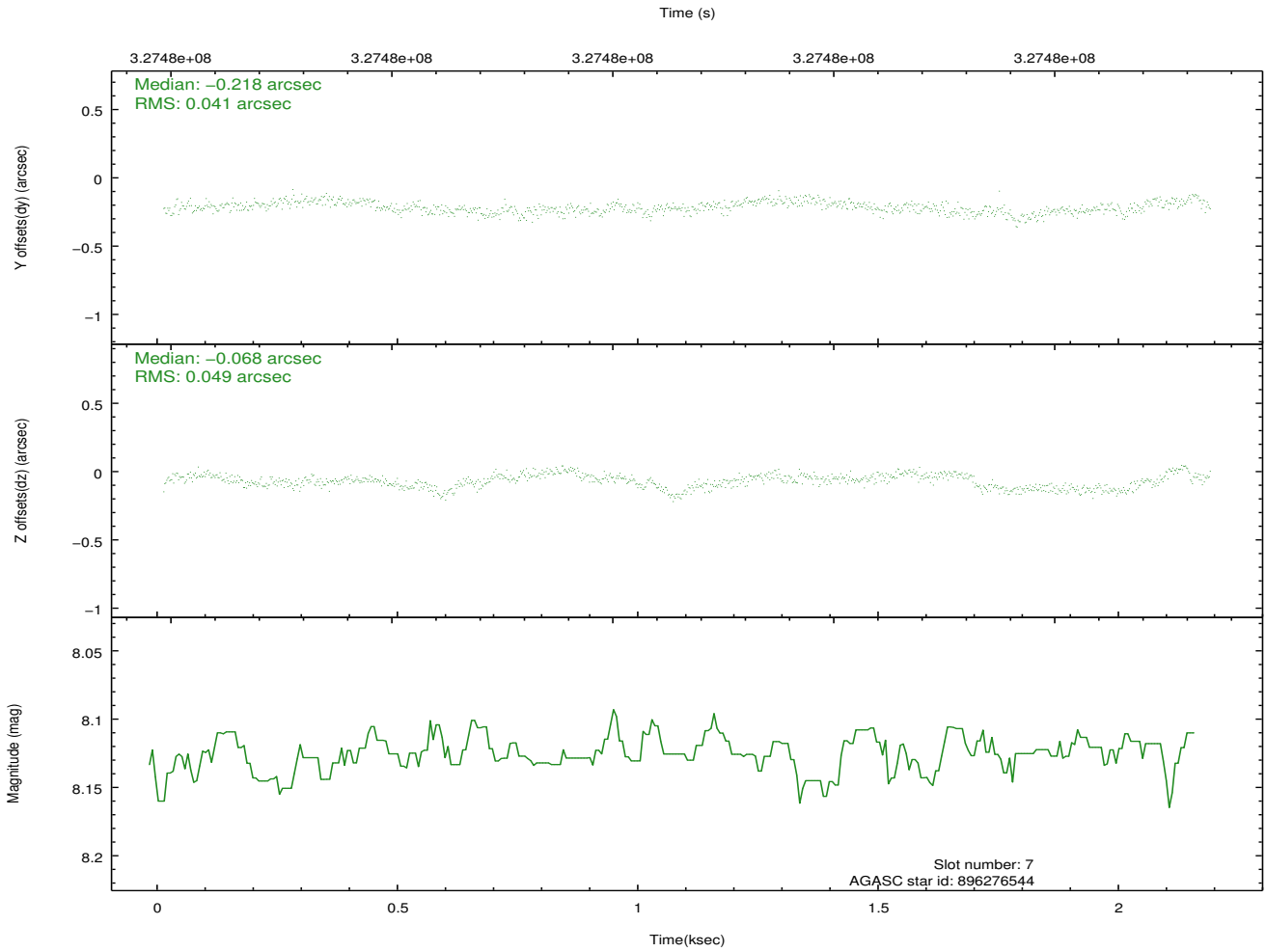
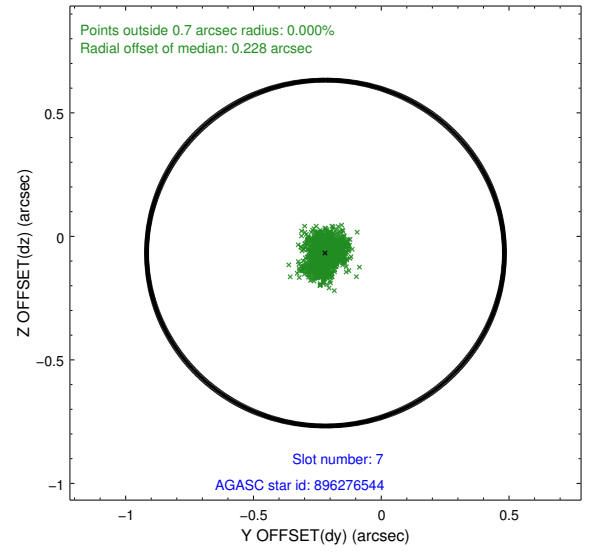
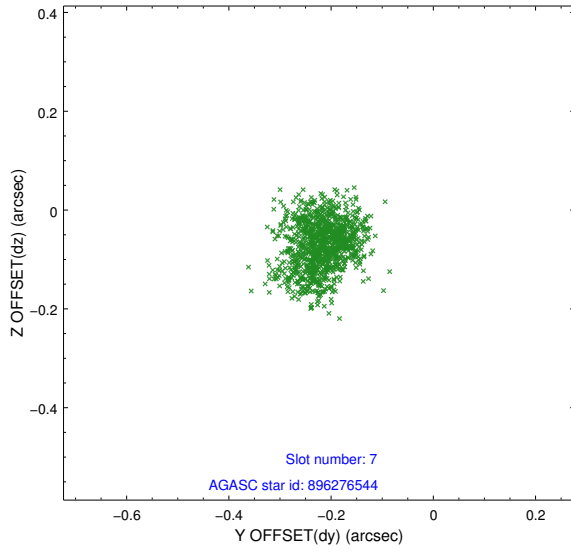
2.4.3 Slot 5



2.4.4 Slot 6

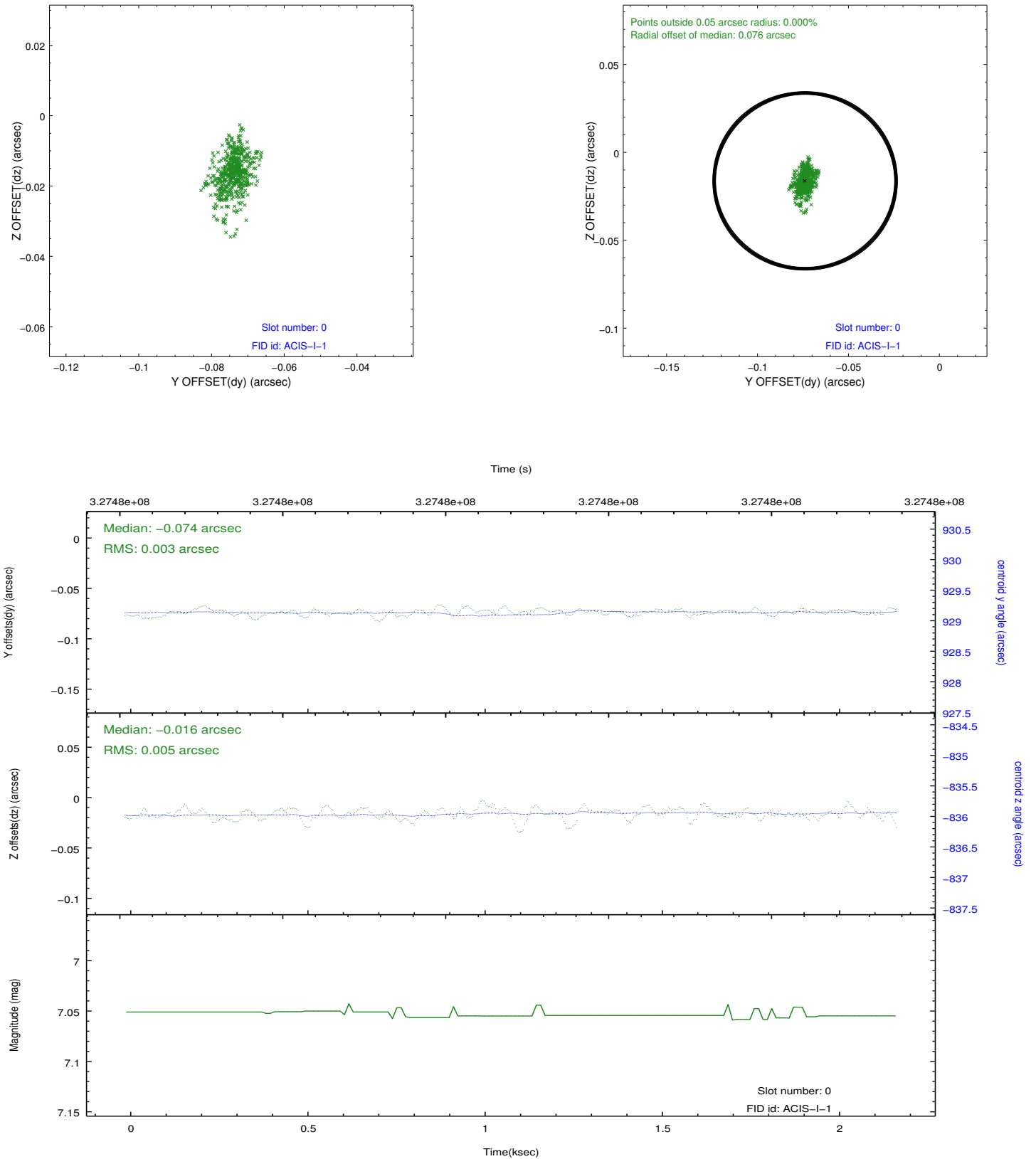


2.4.5 Slot 7

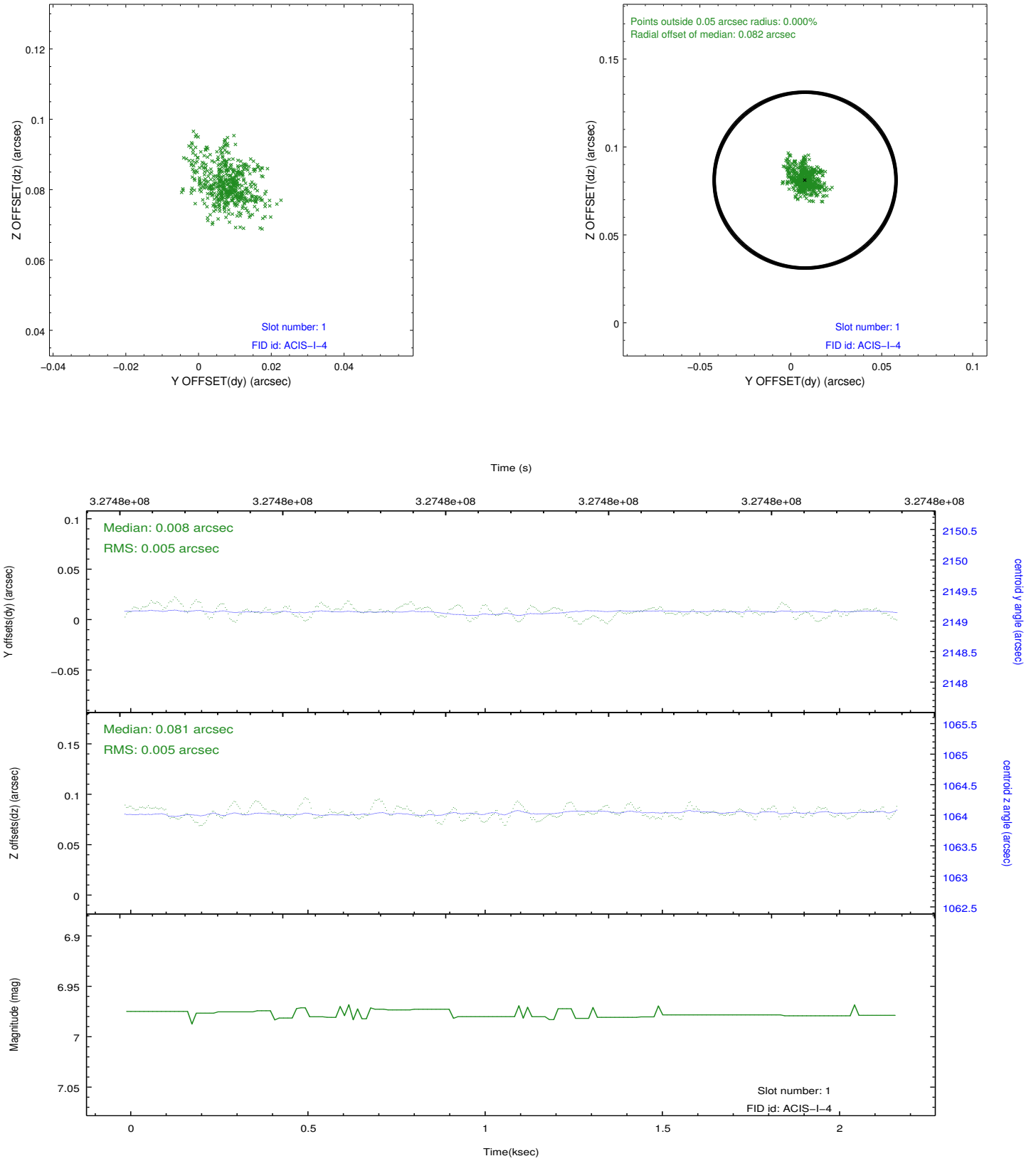


2.5 FID Slots

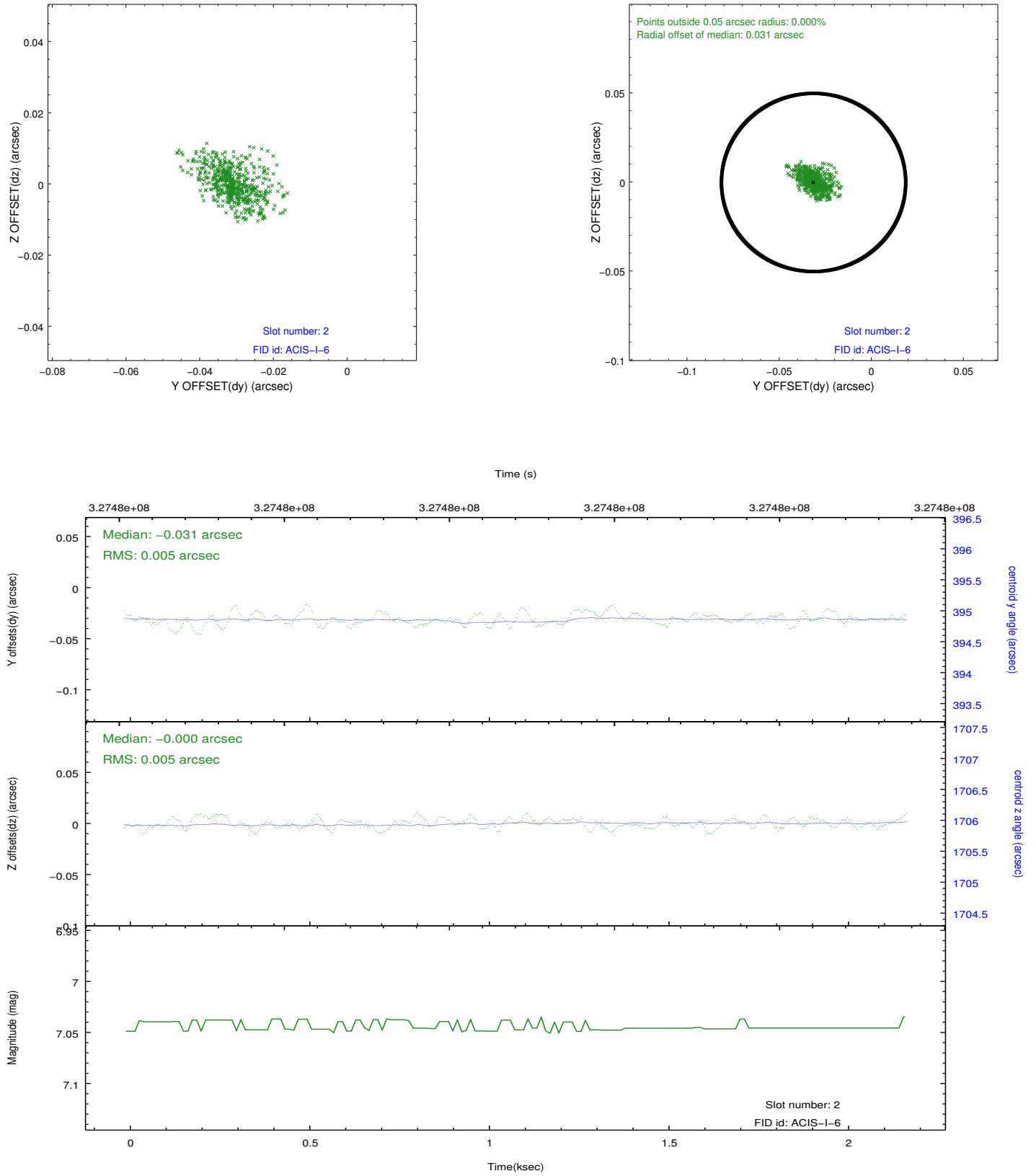
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments