

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8698 - L2 Version 2
Chandra X-Ray Center

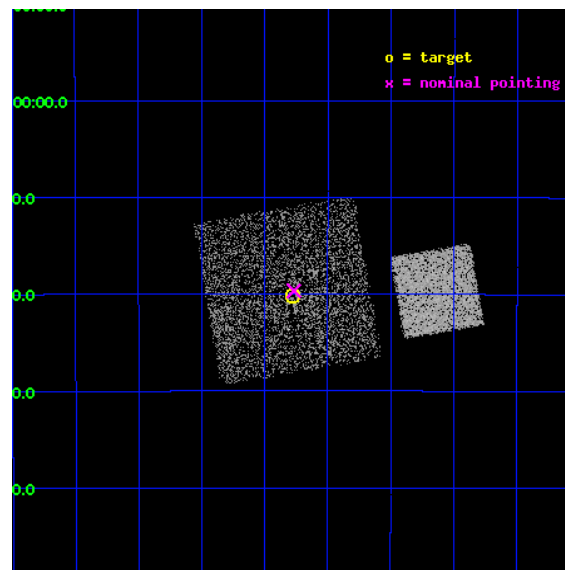
L2 Processing Date : May 15 2012

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1 Front

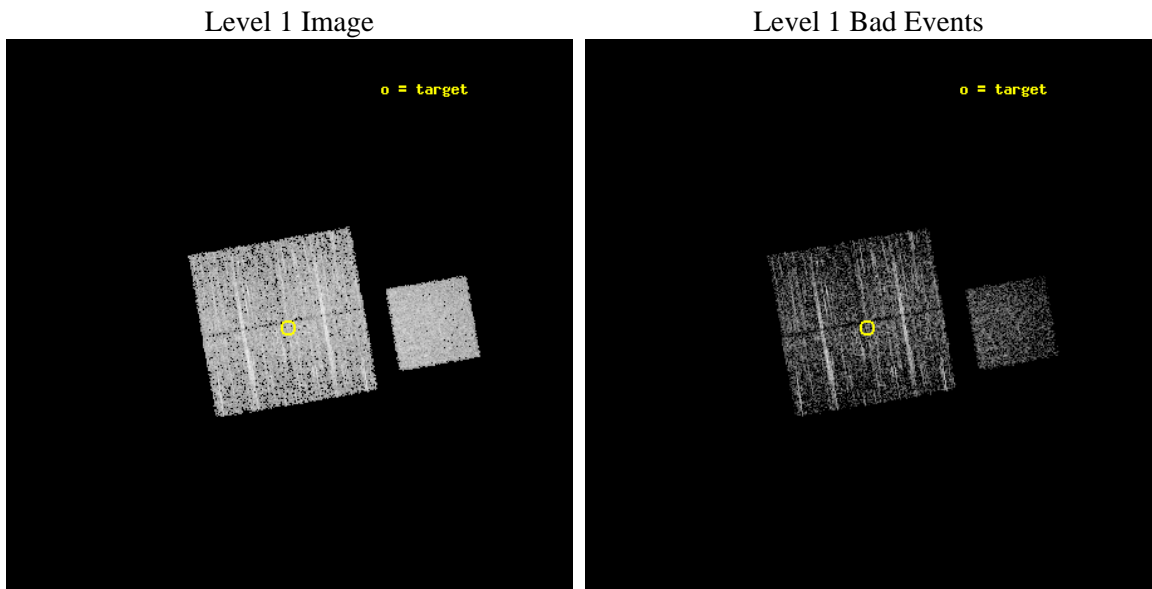
seq_num	400749	Sequence number
obs_id	8698	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.818405	Observer's specified target RA [deg]
dec_targ	-28.335625	Observer's specified target Dec [deg]
ra_nom	264.81709068992	Nominal RA [deg]
dec_nom	-28.327528817028	Nominal Dec [deg]
roll_nom	80.208077421553	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.2590264678	Sum of GTIs [s]
livetime	2150.7854029398	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2179.2590264678	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15972	Number of level 2 events



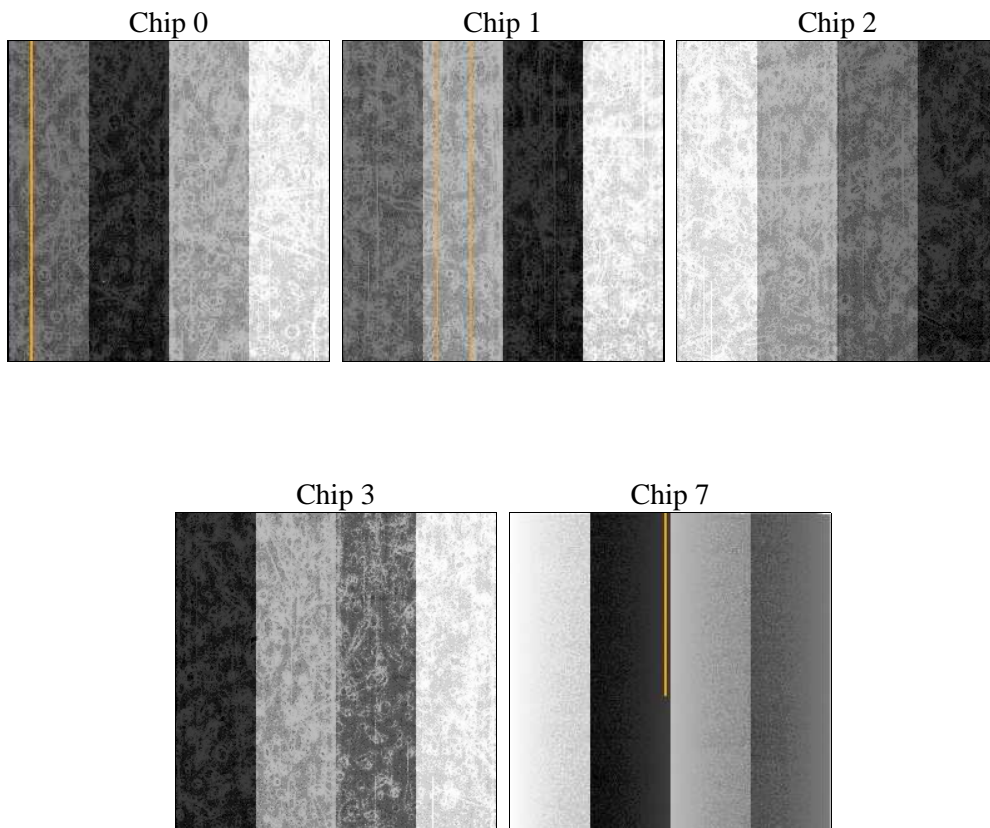
2 OBI

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	2179.2590264678	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:11:09	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2179.2590264678	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	103471	Number of level 1 events

2.1.4 Events

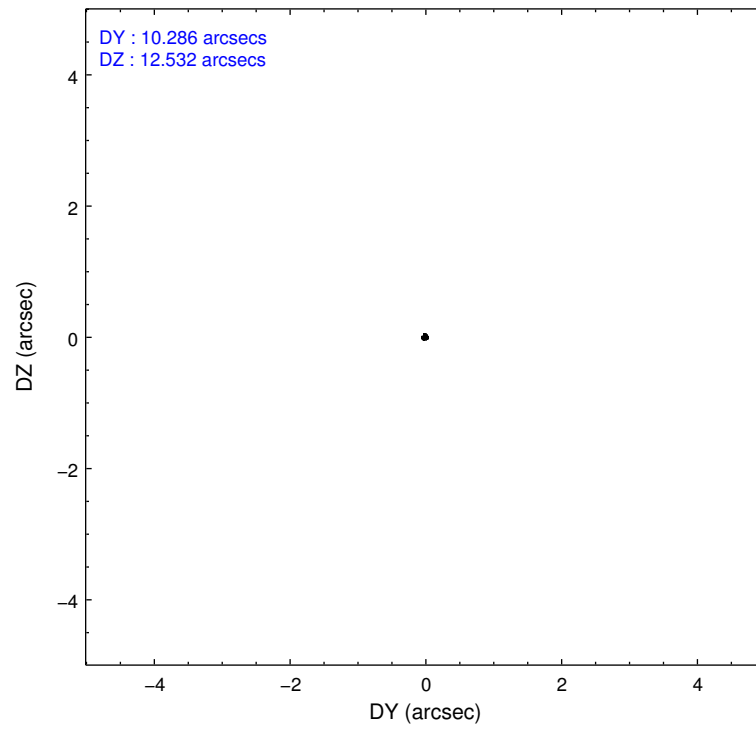
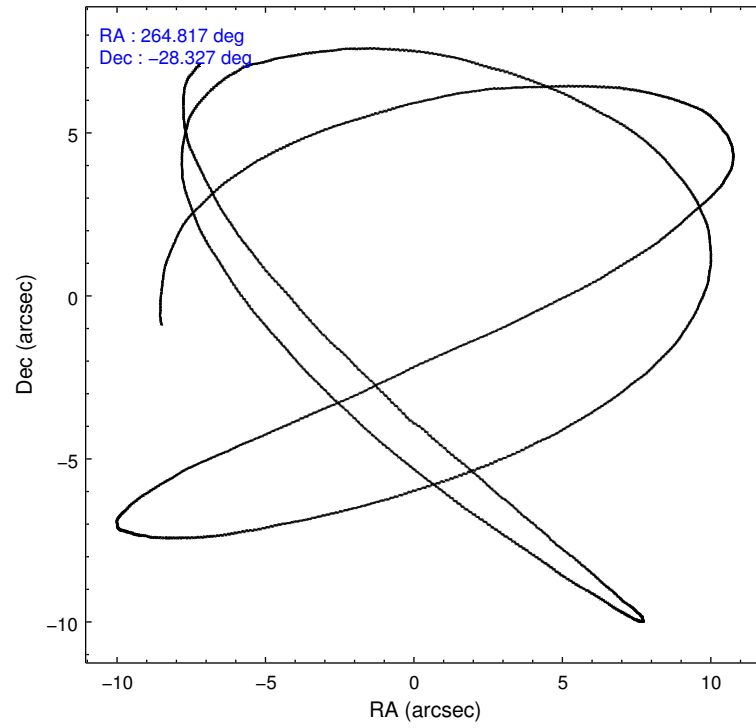
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18089	19384	21360	21293	23345
rejected events	16088	17145	19342	19272	14040
rejected %	88%	88%	90%	90%	60%

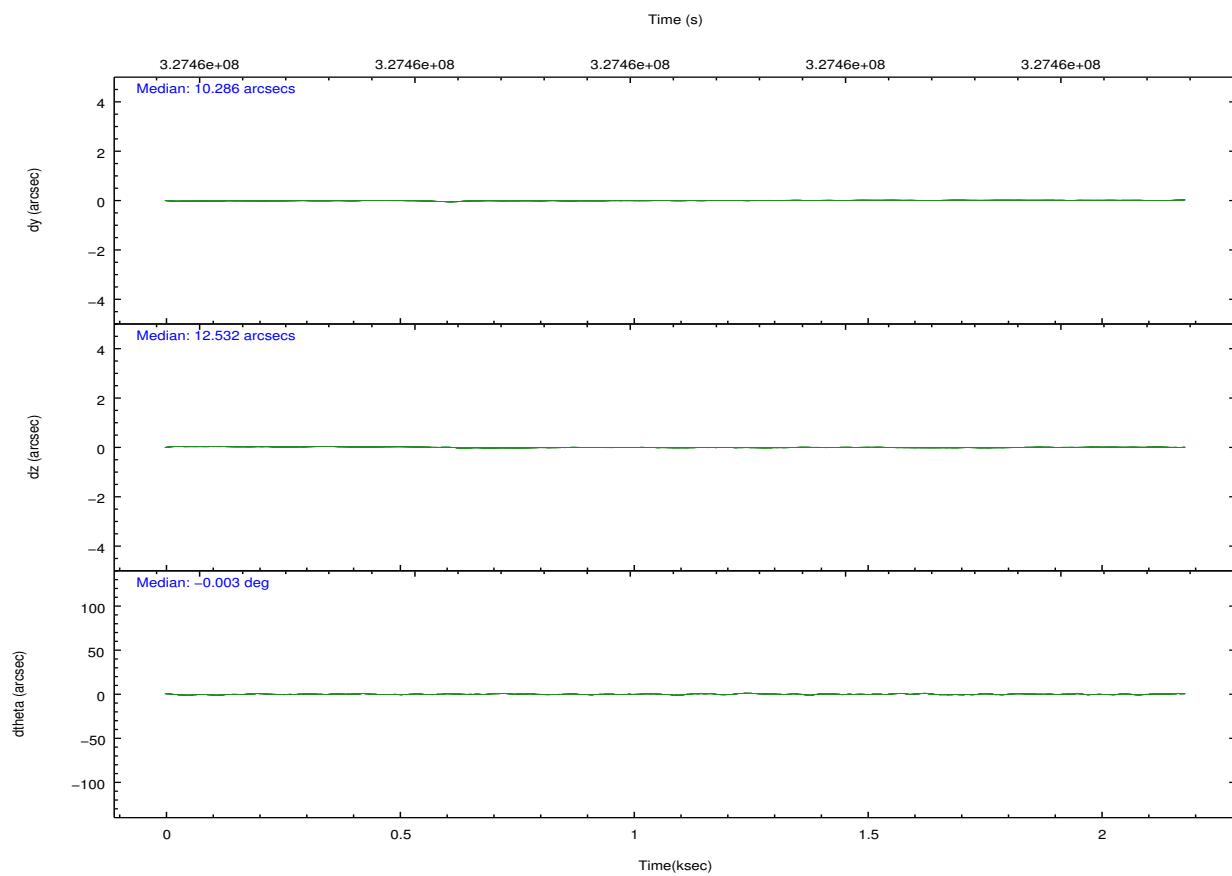
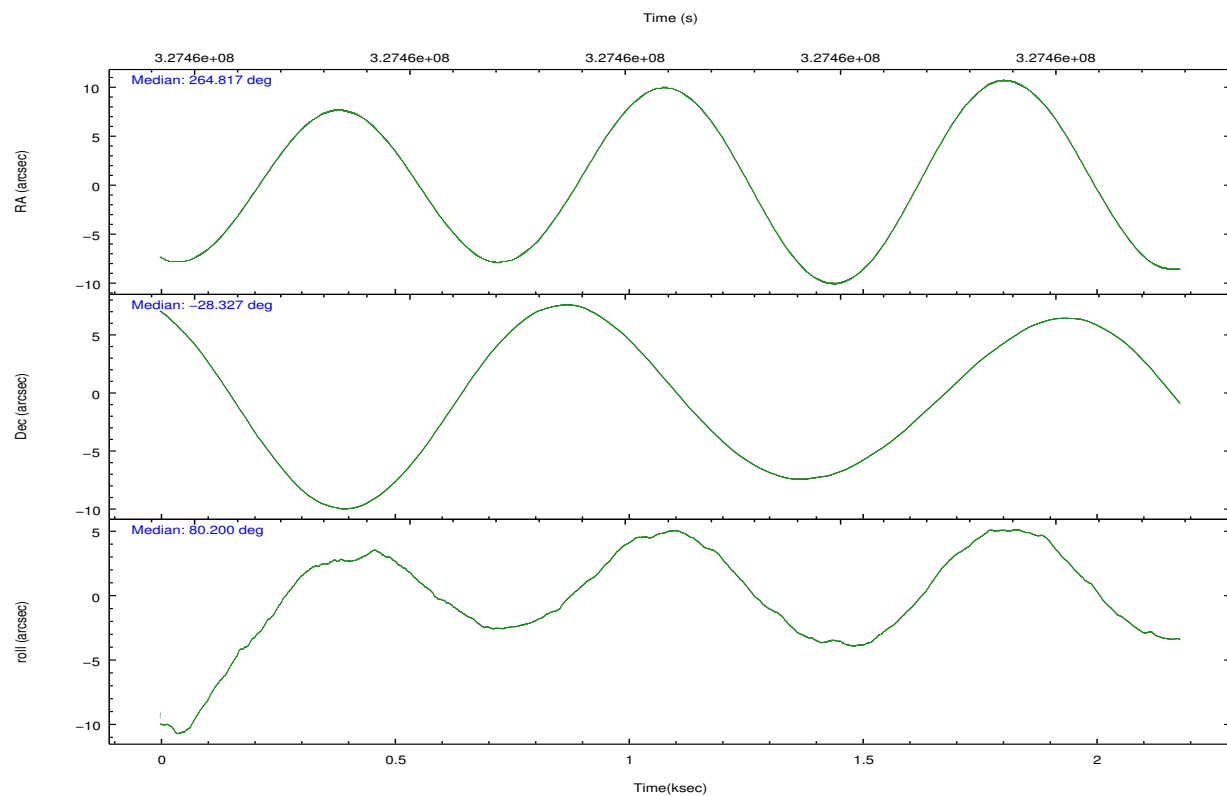
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	995	1100	962	1007	990
	5%	5%	4%	4%	4%
grade 1 events	16	16	17	19	30
	0%	0%	0%	0%	0%
grade 2 events	444	560	531	469	2189
	2%	2%	2%	2%	9%
grade 3 events	245	239	238	240	1017
	1%	1%	1%	1%	4%
grade 4 events	219	246	230	230	986
	1%	1%	1%	1%	4%
grade 5 events	662	741	652	778	2444
	3%	3%	3%	3%	10%
grade 6 events	393	474	384	406	5497
	2%	2%	1%	1%	23%
grade 7 events	15115	16008	18346	18144	10192
	83%	82%	85%	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	264.828114	264.8170906899199	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.353383	-28.32752881702757	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004610	80.2080774215535	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)	327462194.184000	327461817.83264	CCD S5 on	N	N
Observation start date	2008-05-18T01:42:09	2008-05-18T01:36:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327464194.184000	327464328.05776	On-chip summing requested	N	N
Observation end date	2008-05-18T02:15:29	2008-05-18T02:18:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



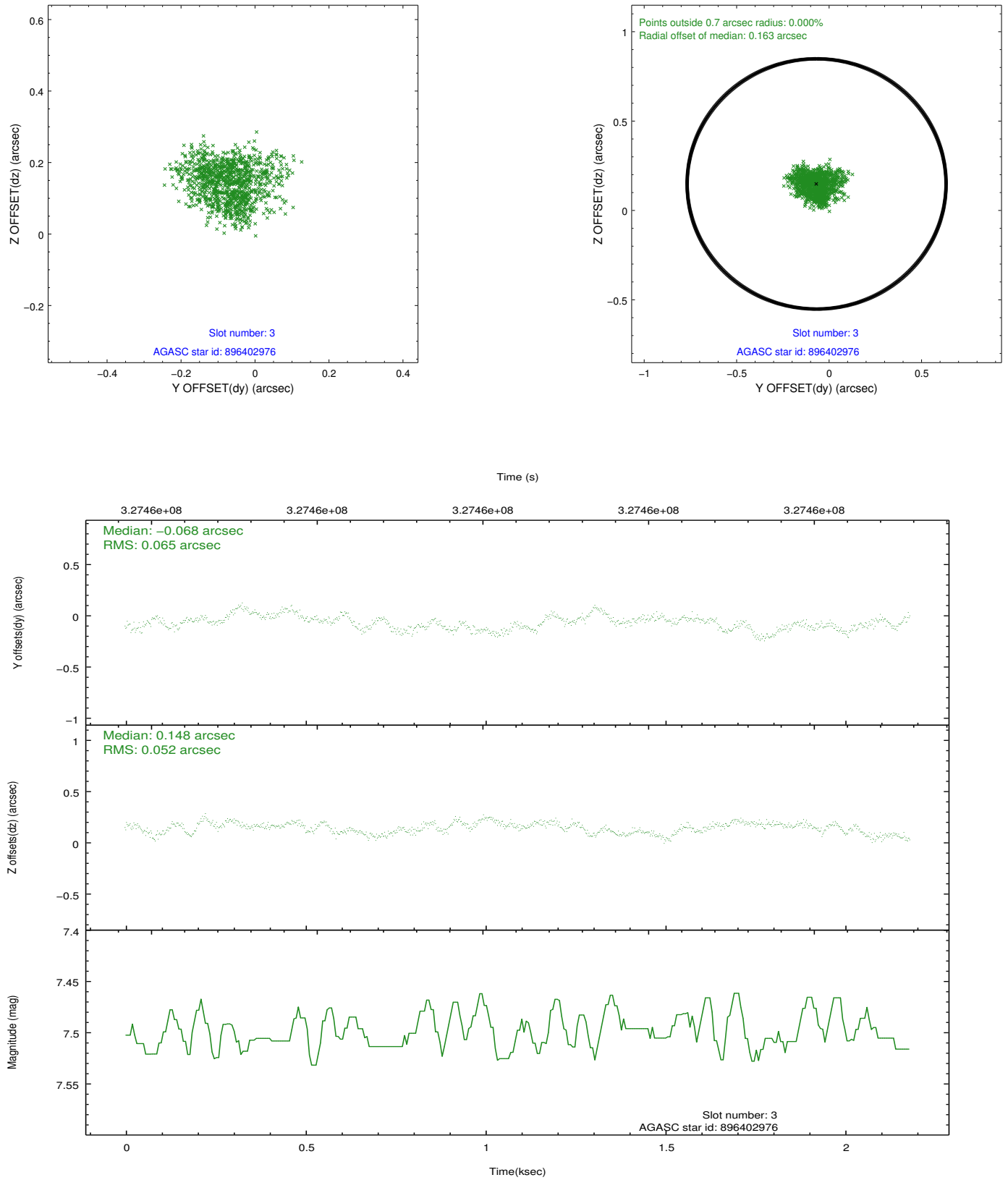


Slot Statistics

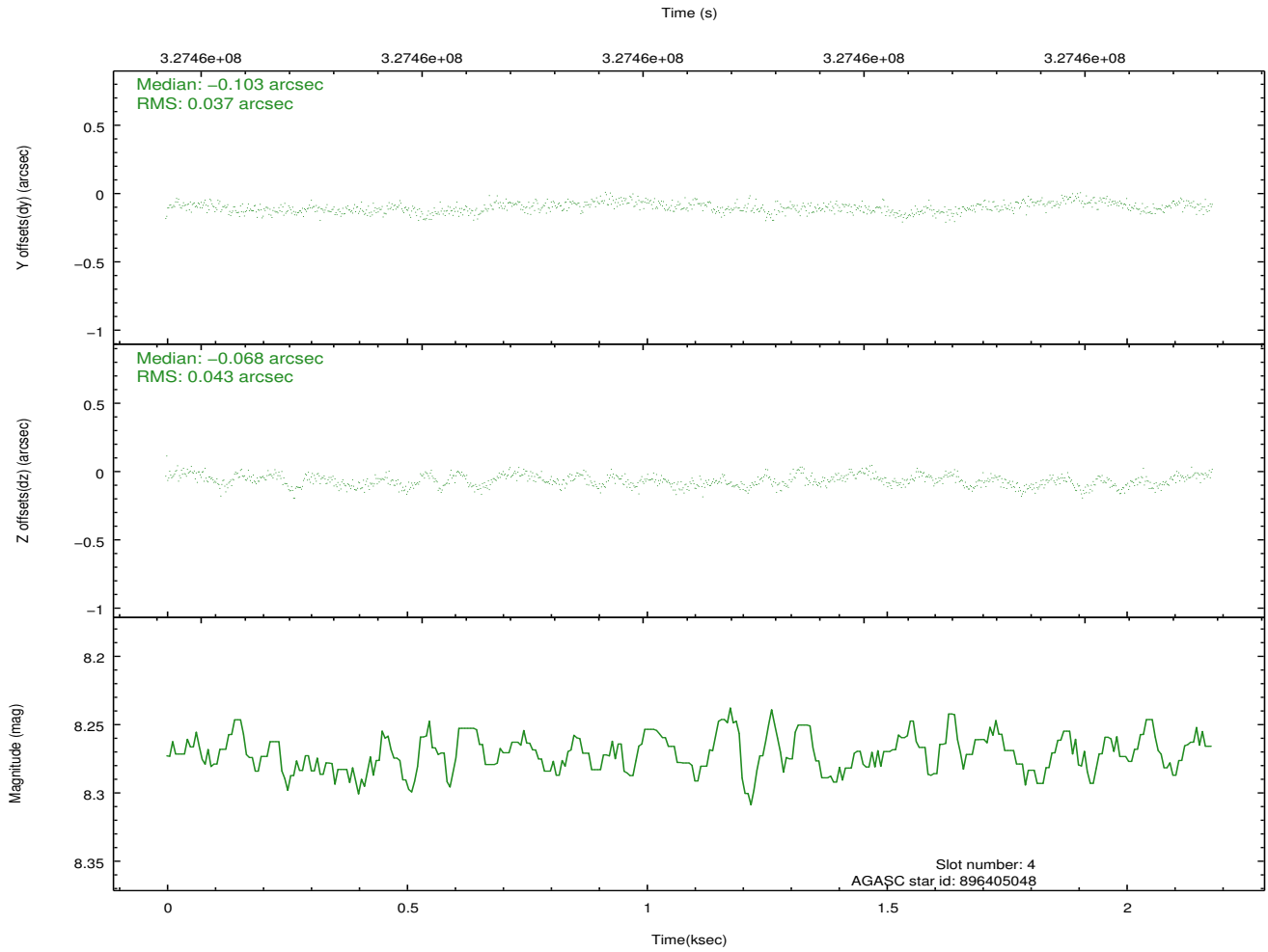
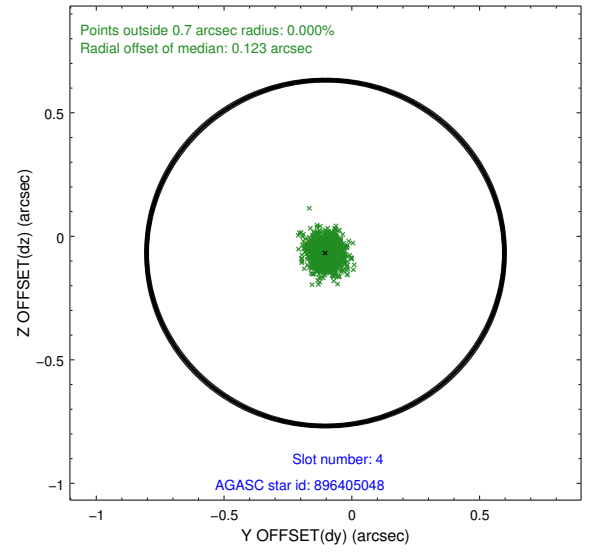
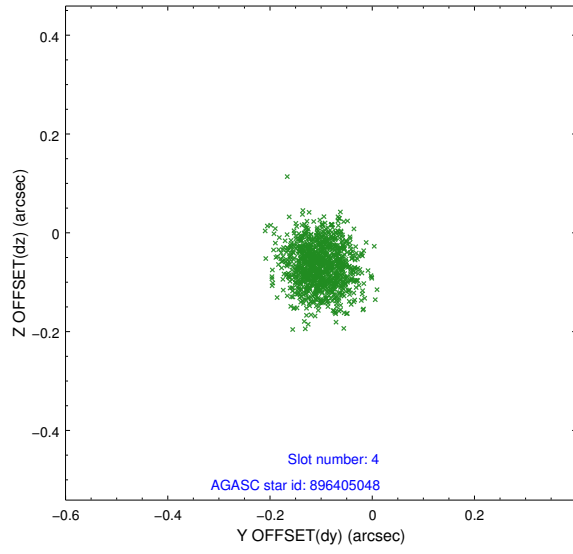
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	532	0.107	-0.005	0.006	0.013	0.000000	0.000000	929.43	-836.06
1	FID	ACIS-I-2	6.93	532	-0.067	-0.083	0.010	0.019	0.000000	0.000000	-763.17	-844.10
2	FID	ACIS-I-5	7.01	532	-0.133	0.160	0.008	0.014	0.000000	0.000000	-1820.47	1060.04
3	GUIDE	896402976	7.50	1065	-0.068	0.148	0.089	0.142	265.099474	-28.923203	-1872.70	-1198.74
4	GUIDE	896405048	8.27	1065	-0.103	-0.068	0.062	0.098	264.482575	-28.152230	519.22	1204.13
5	GUIDE	896405616	7.83	1065	0.068	-0.106	0.081	0.120	264.752771	-28.412560	-251.50	199.12
6	GUIDE	896406568	8.25	1064	0.008	0.019	0.073	0.111	264.435951	-28.437282	-515.32	1169.66
7	GUIDE	895879608	8.98	1064	0.093	0.014	0.113	0.184	265.708239	-27.843915	2282.55	-2441.51

2.4 Star Slots

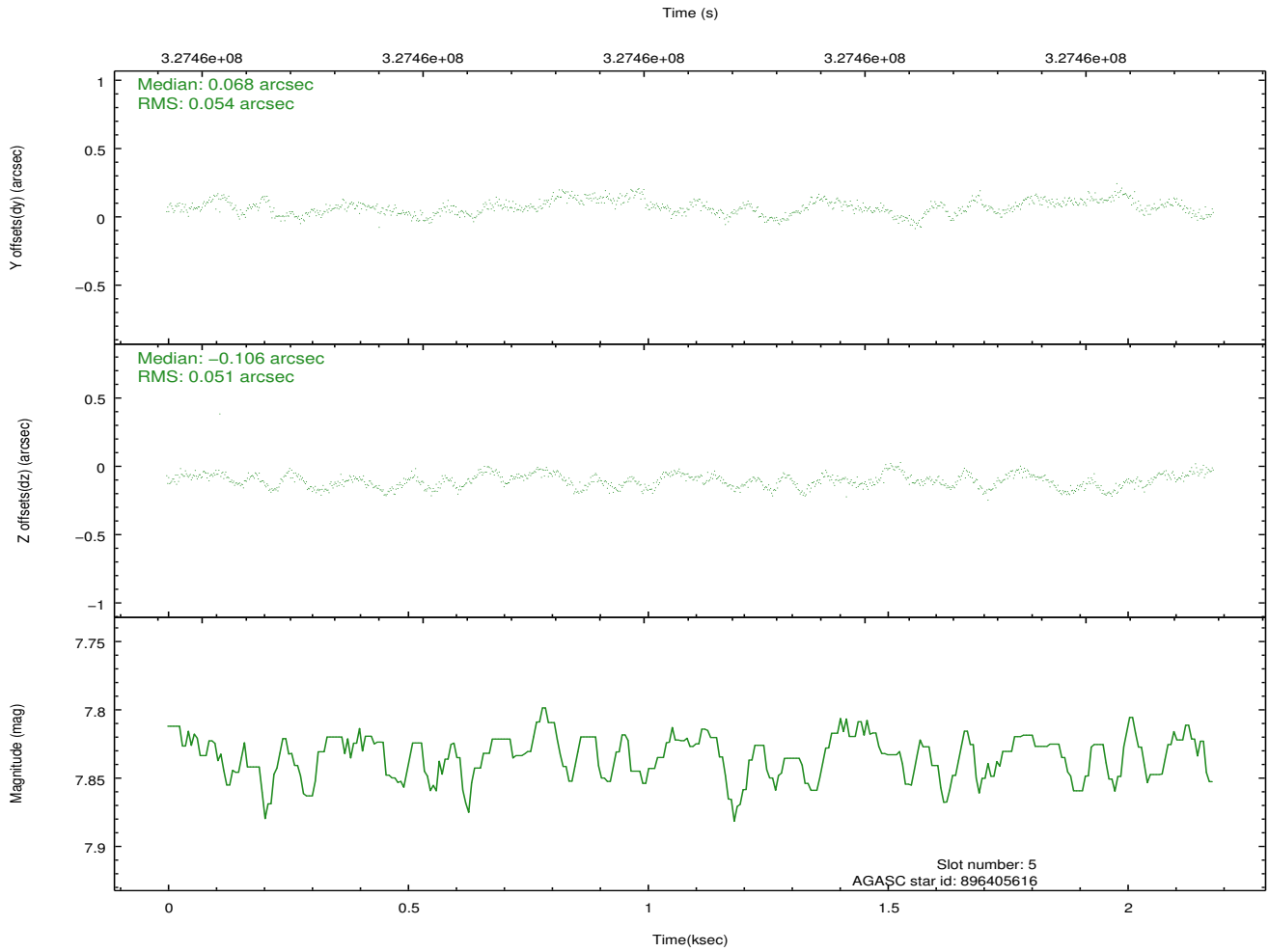
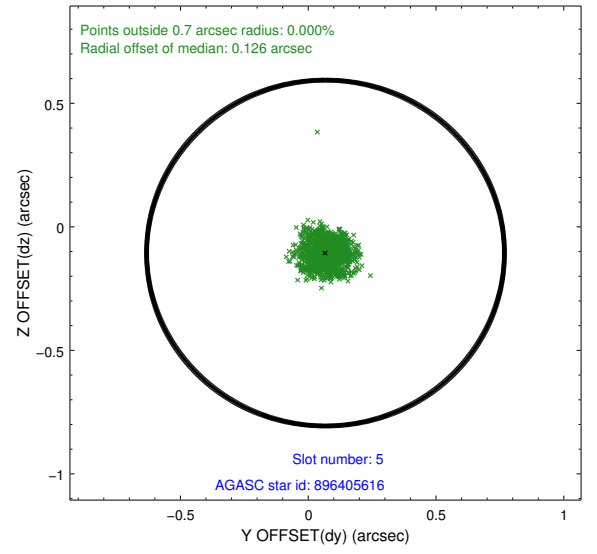
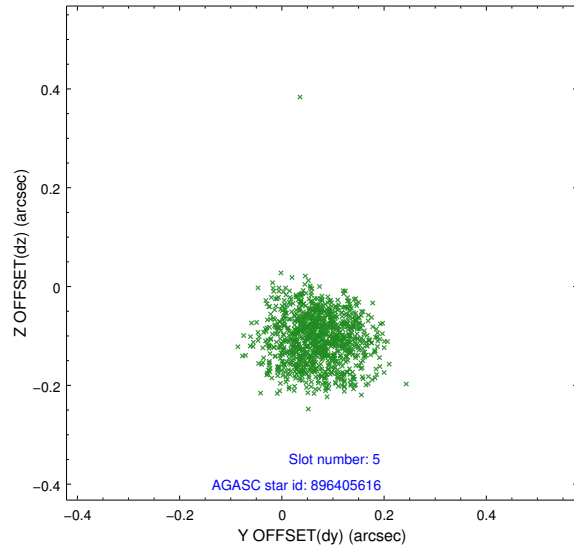
2.4.1 Slot 3



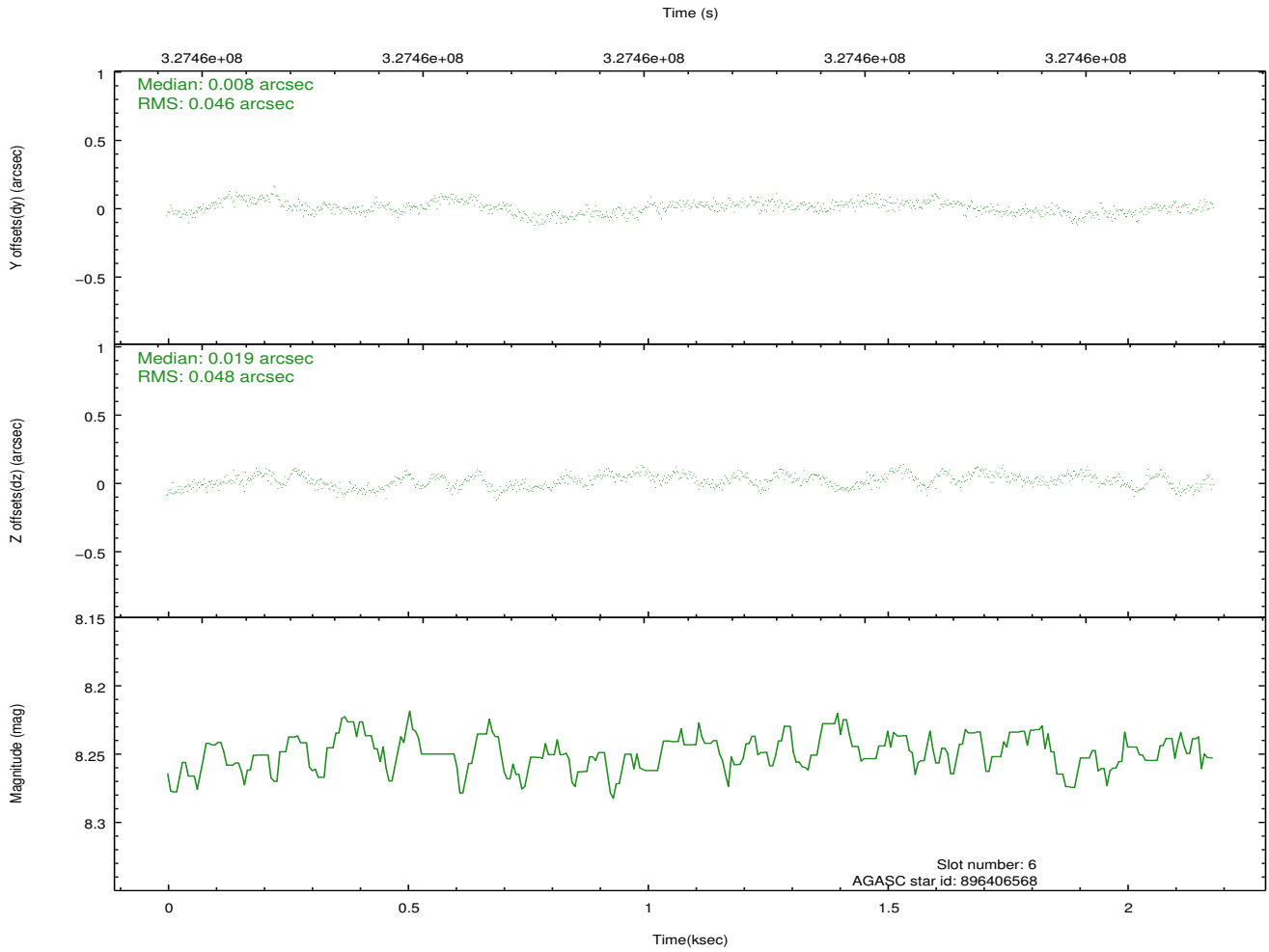
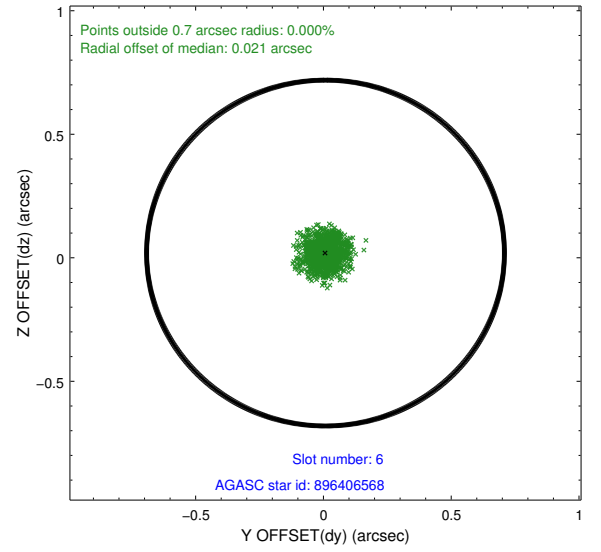
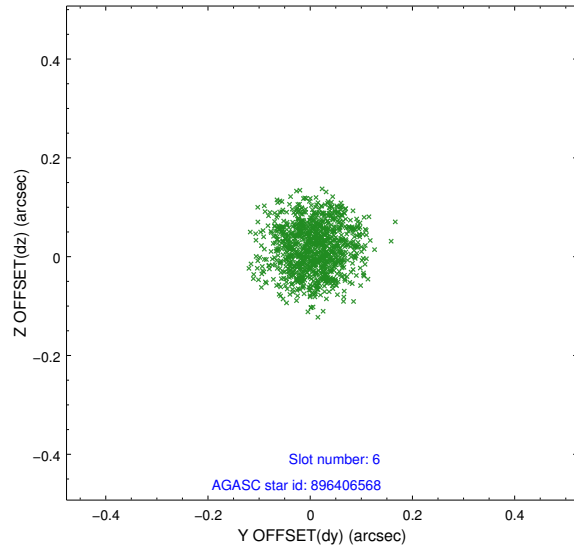
2.4.2 Slot 4



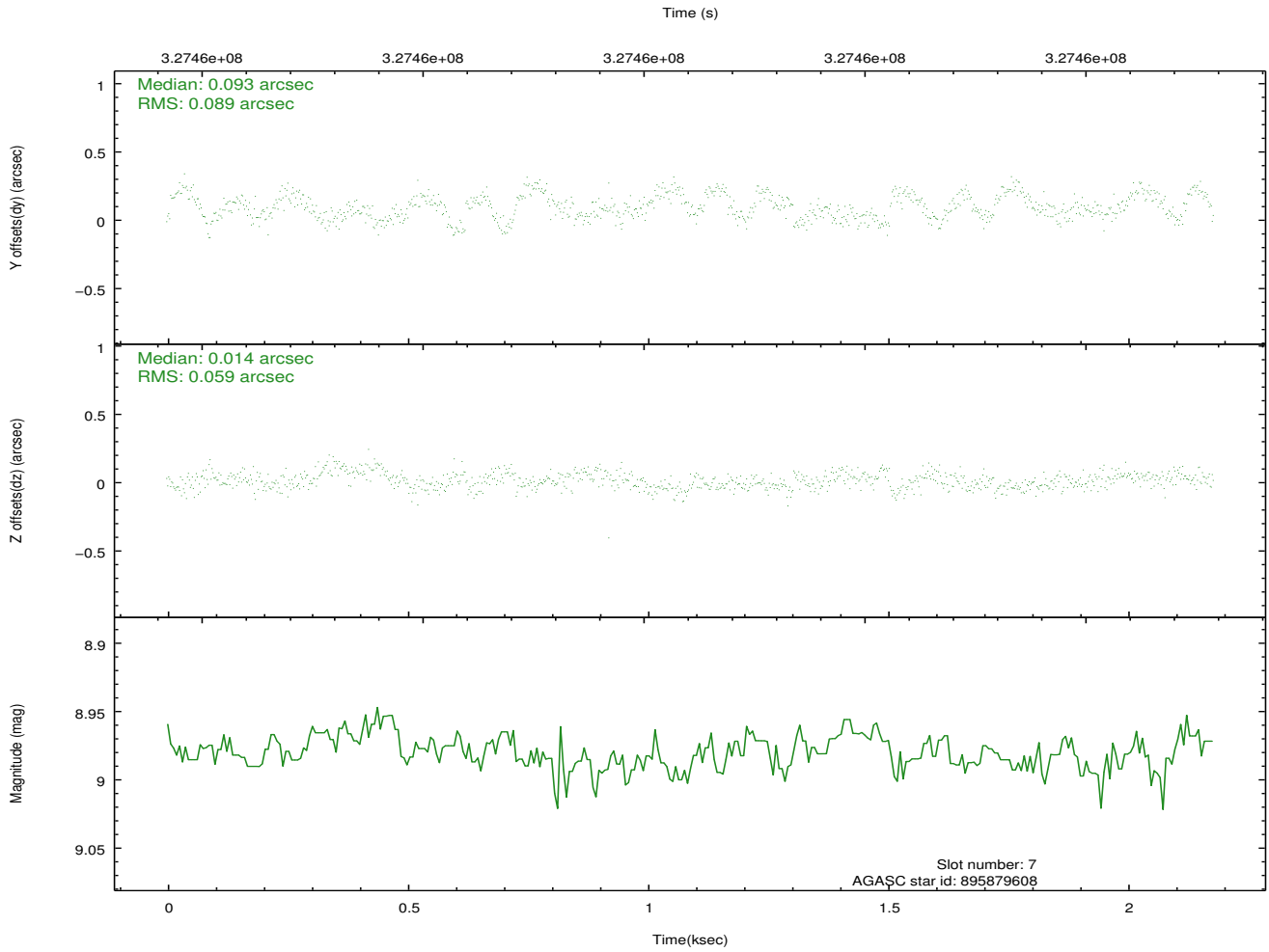
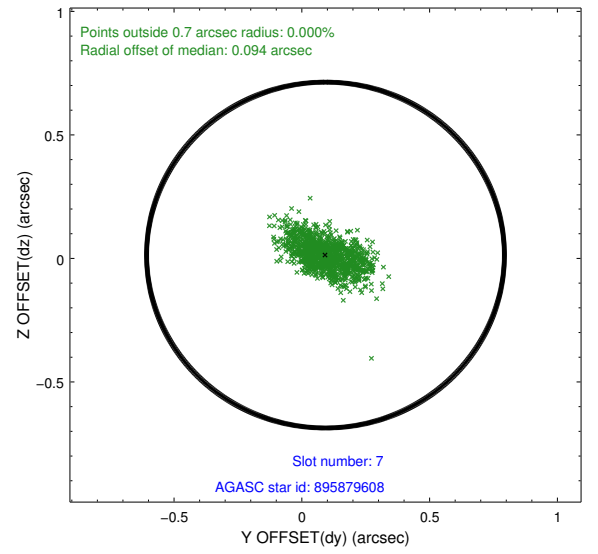
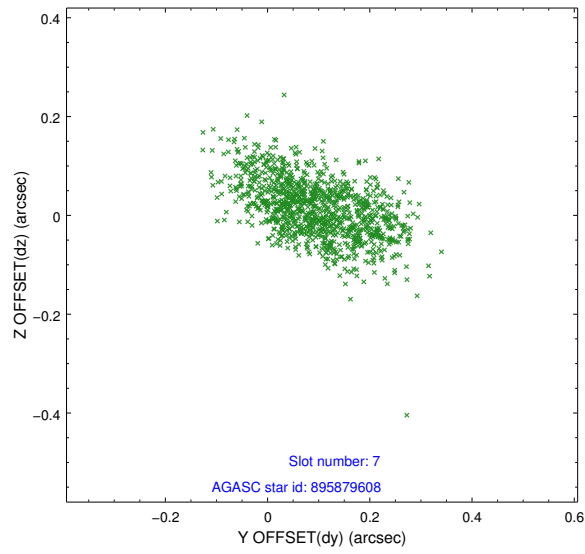
2.4.3 Slot 5



2.4.4 Slot 6

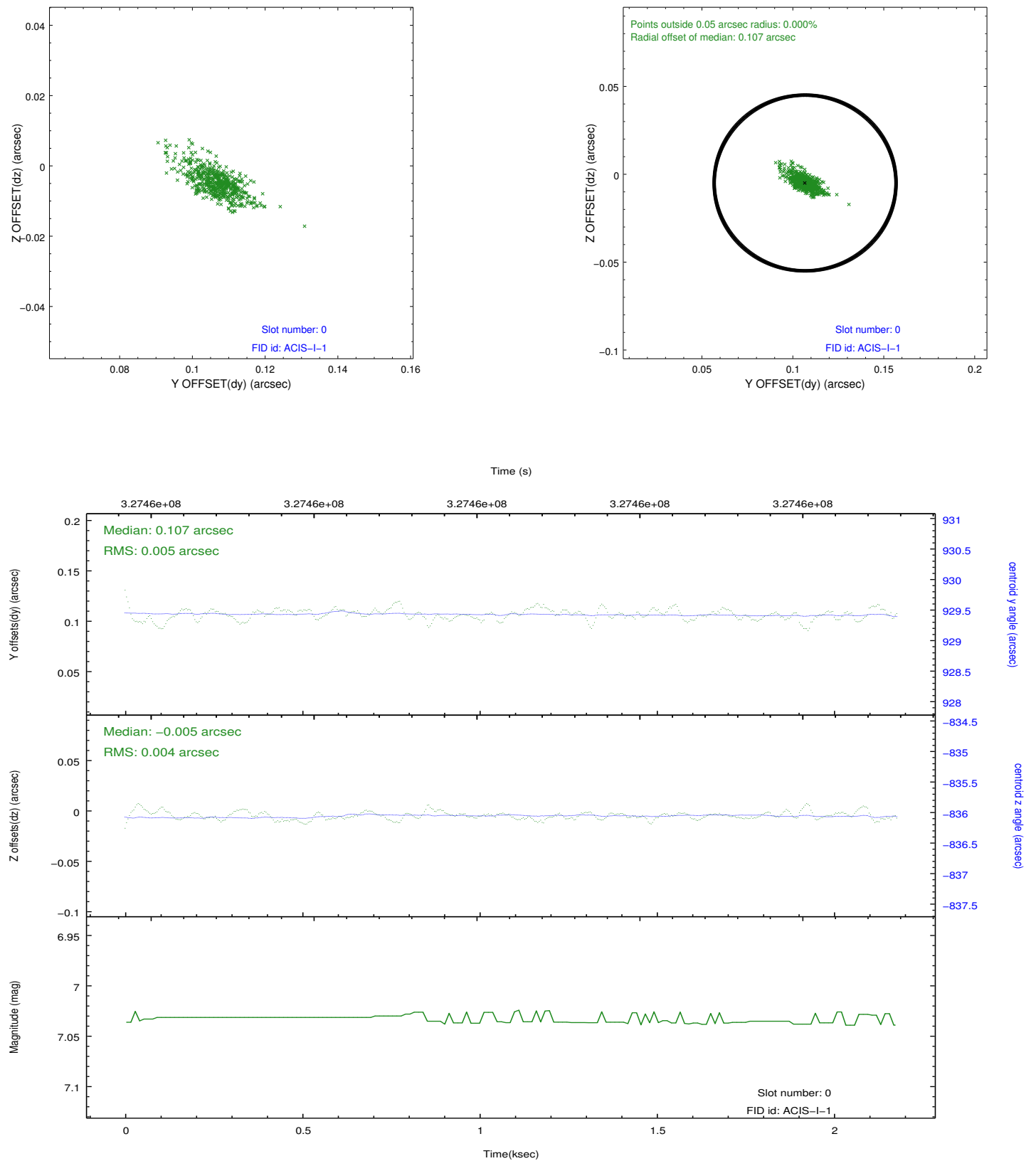


2.4.5 Slot 7

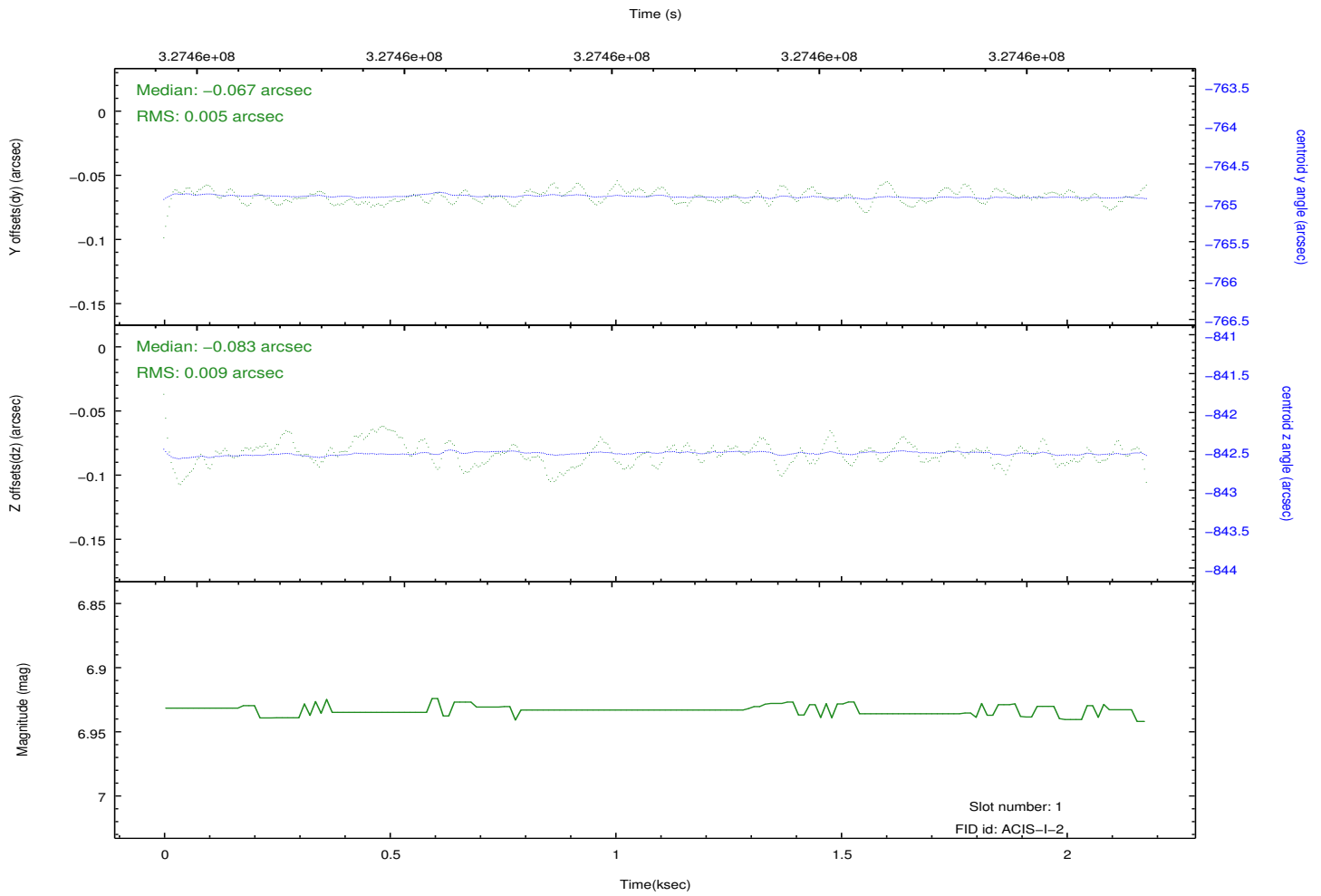
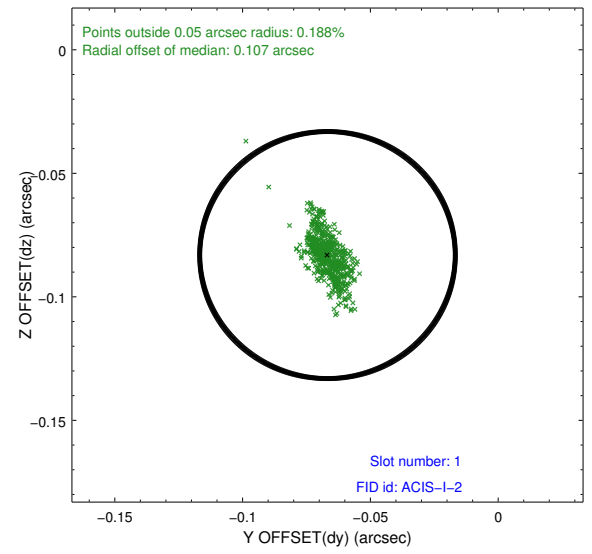
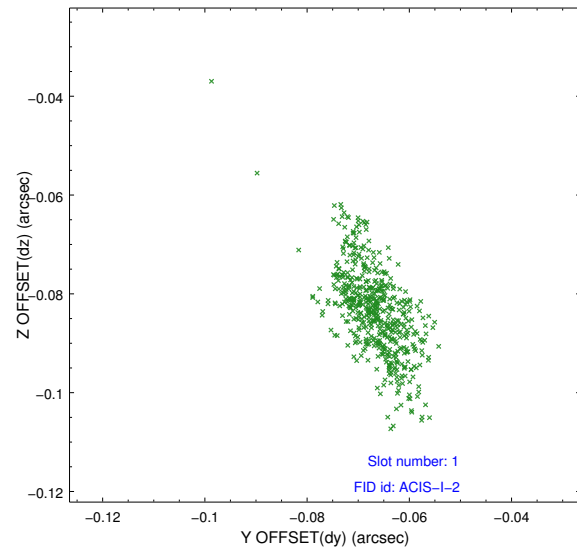


2.5 FID Slots

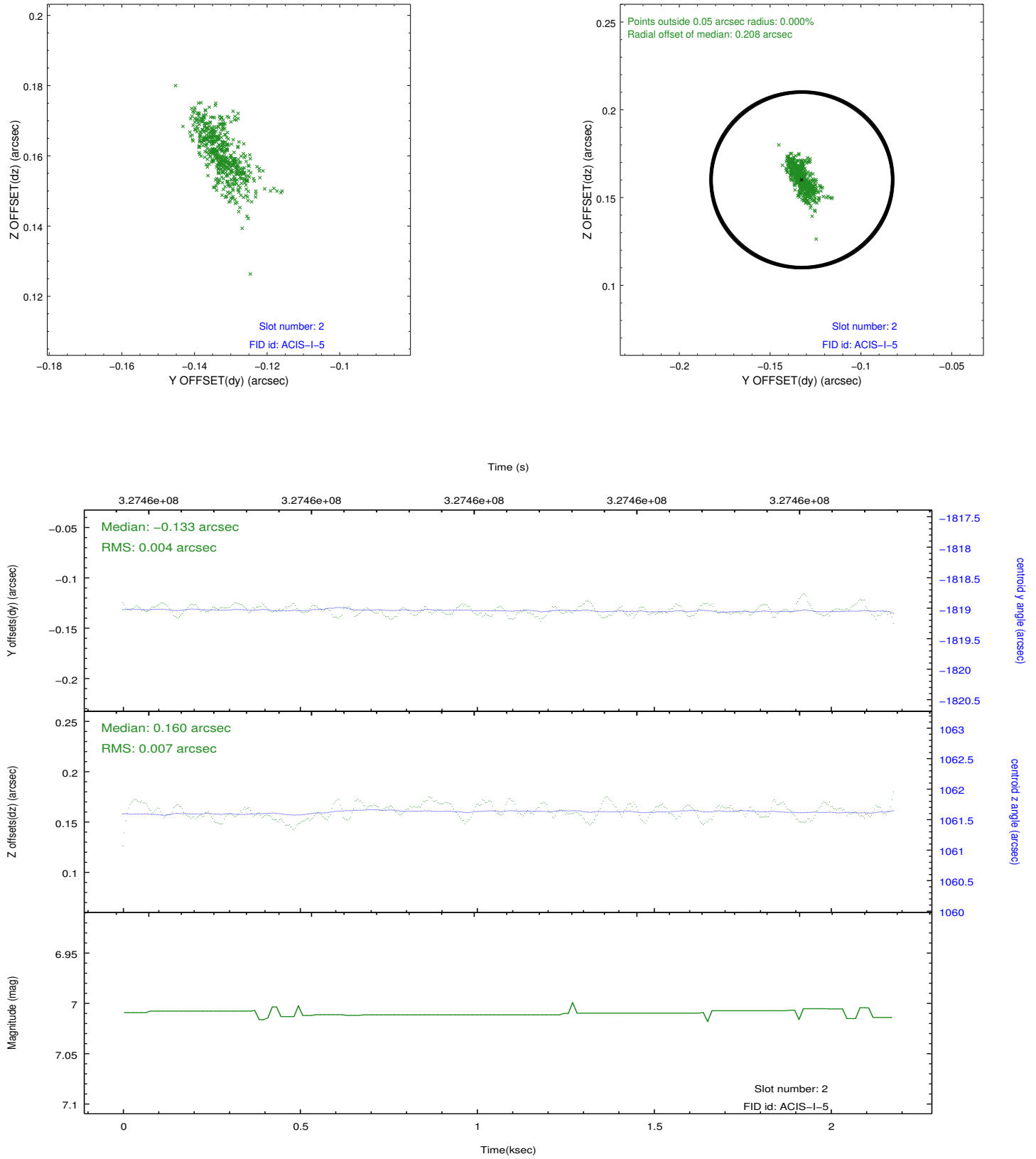
2.5.1 Slot 0



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	2.17925902

A.2 Comments