

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8668 - L2 Version 2
Chandra X-Ray Center

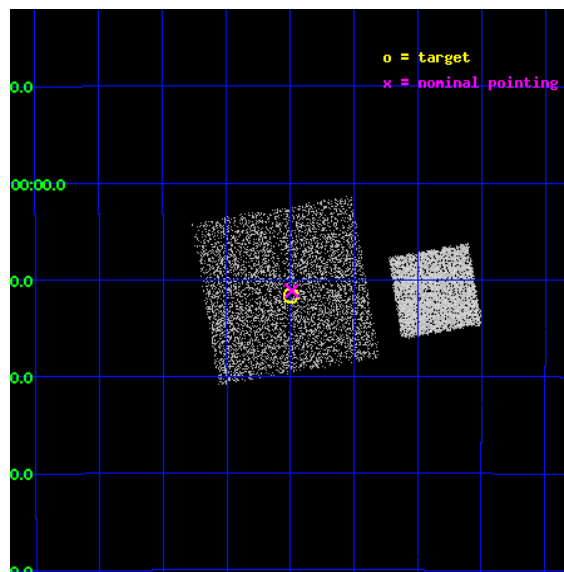
L2 Processing Date : May 15 2012

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1 Front

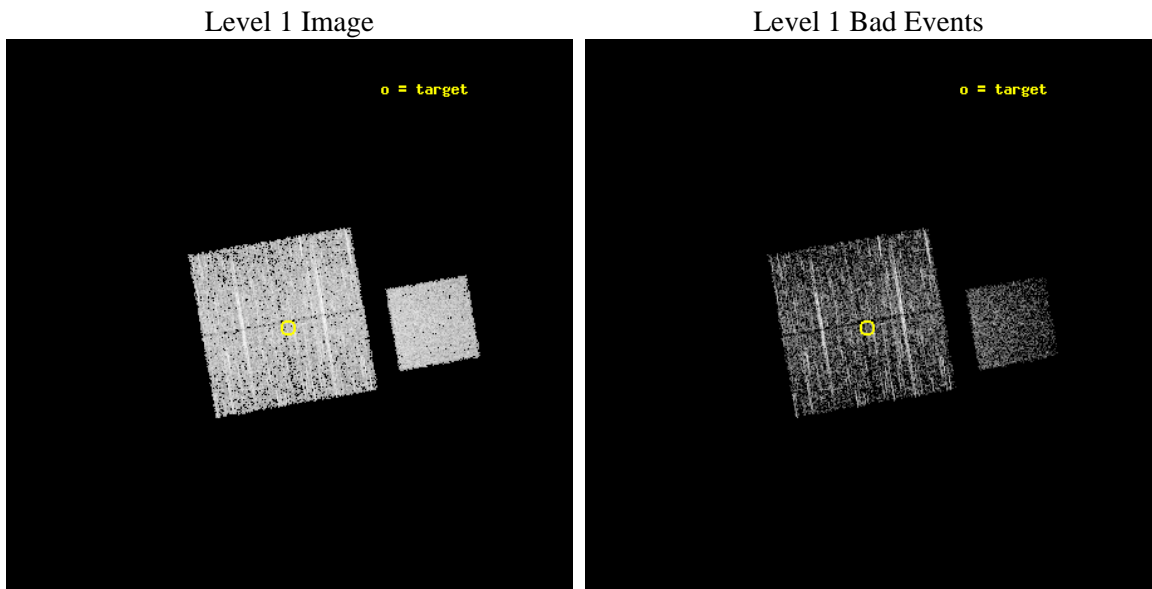
seq_num	400719	Sequence number
obs_id	8668	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.623284	Observer's specified target RA [deg]
dec_targ	-27.19402	Observer's specified target Dec [deg]
ra_nom	265.62203202206	Nominal RA [deg]
dec_nom	-27.185893919592	Nominal Dec [deg]
roll_nom	80.208112634986	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15567	Number of level 2 events



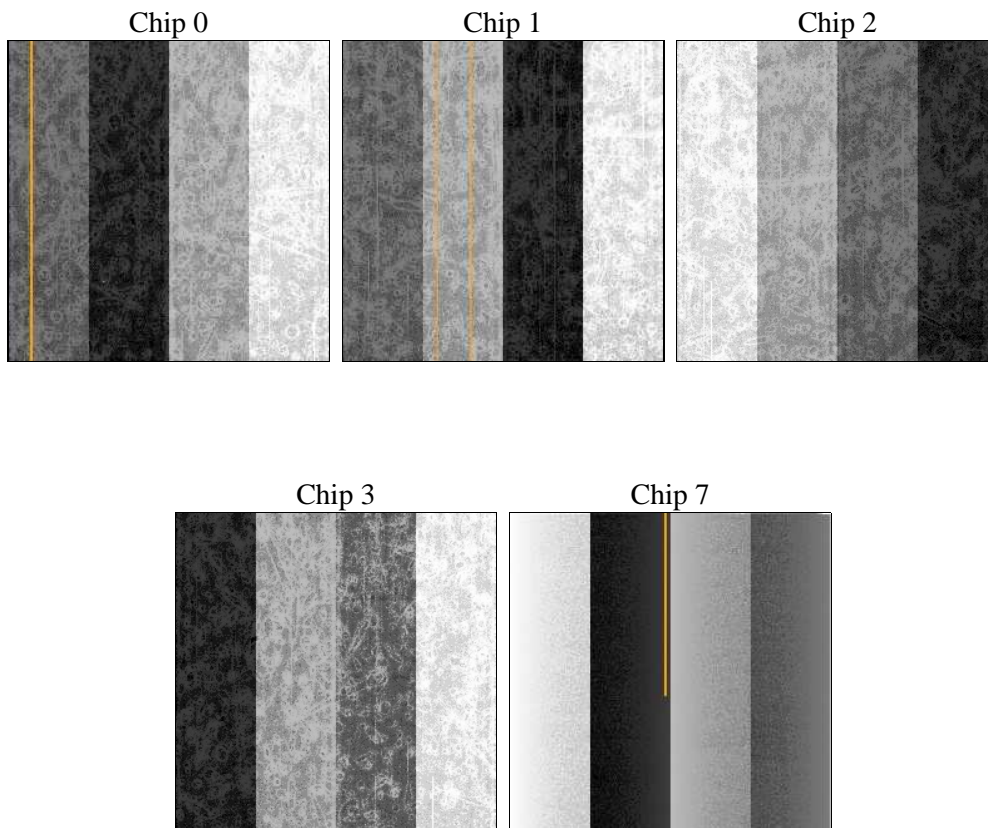
2 OBI

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	2182.4000167847	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:07:18	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	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	102422	Number of level 1 events

2.1.4 Events

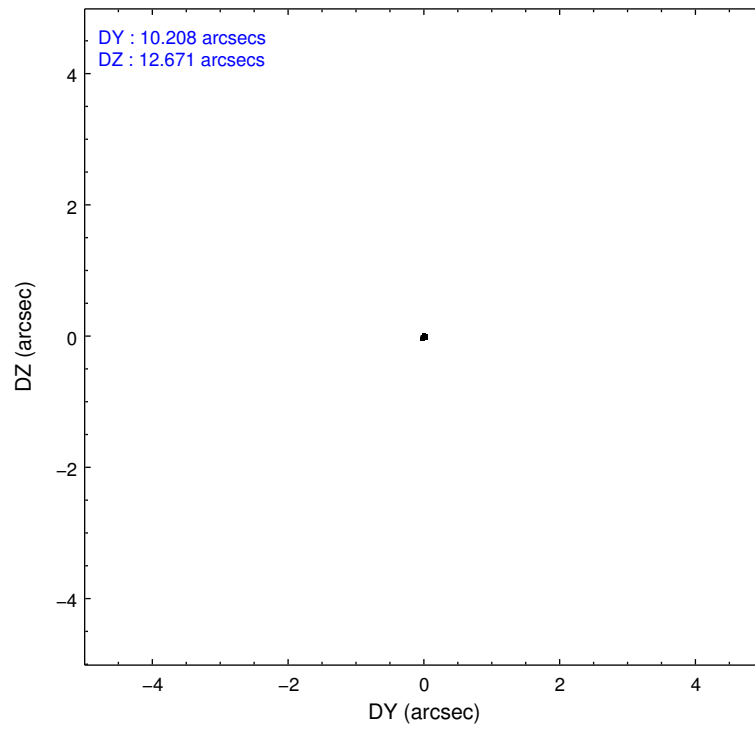
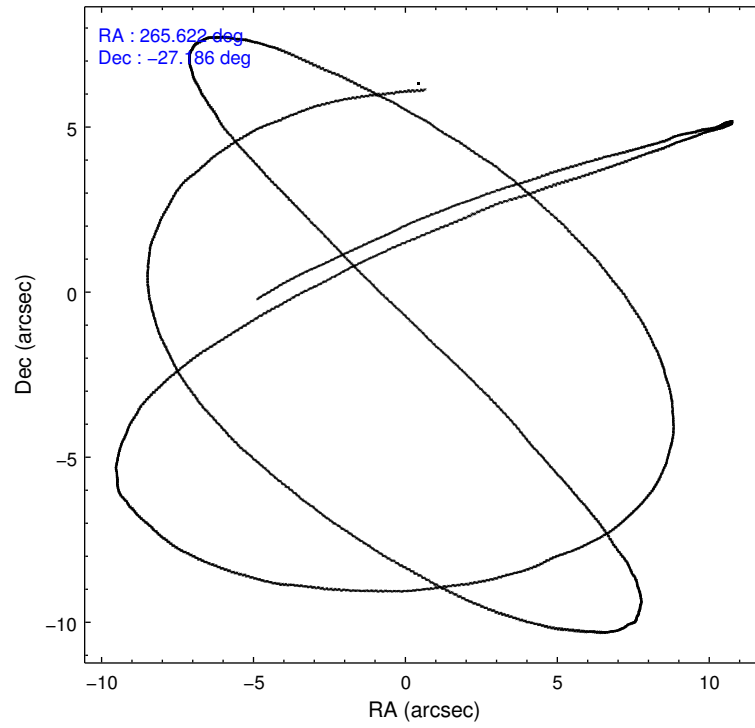
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19683	19043	21750	19731	22215
rejected events	17666	16806	19747	17912	13067
rejected %	89%	88%	90%	90%	58%

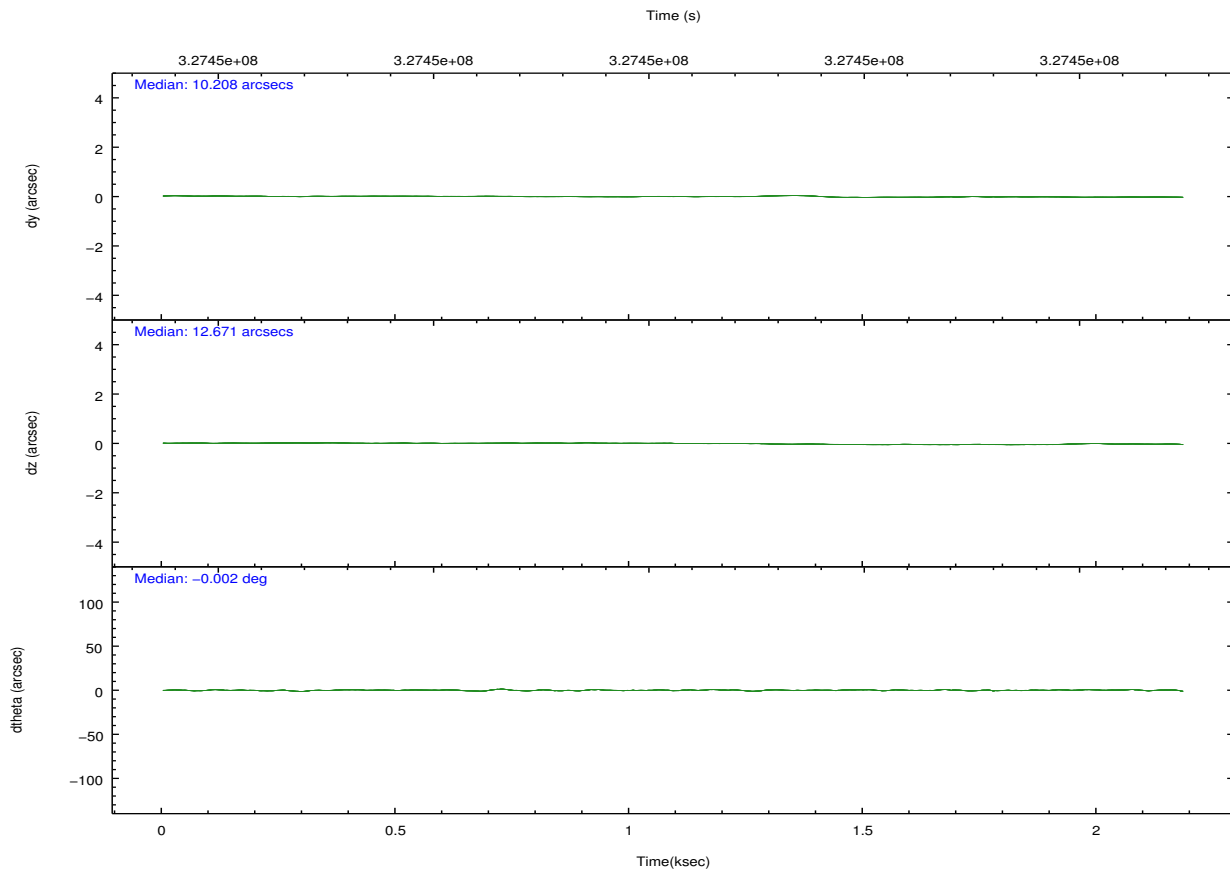
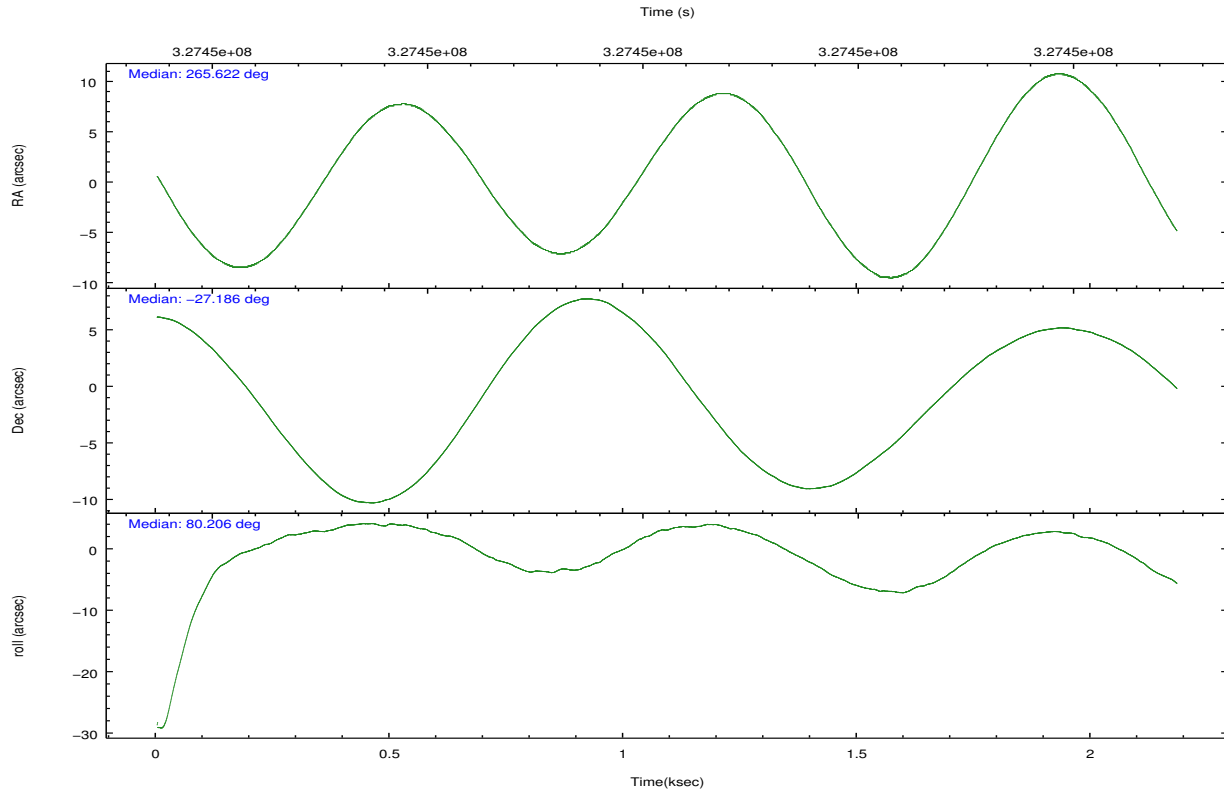
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	845	1064	937	885	1050
	4%	5%	4%	4%	4%
grade 1 events	10	20	13	11	22
	0%	0%	0%	0%	0%
grade 2 events	622	521	510	422	2253
	3%	2%	2%	2%	10%
grade 3 events	223	251	216	216	930
	1%	1%	0%	1%	4%
grade 4 events	228	274	233	219	916
	1%	1%	1%	1%	4%
grade 5 events	681	734	673	808	2395
	3%	3%	3%	4%	10%
grade 6 events	415	451	402	356	5297
	2%	2%	1%	1%	23%
grade 7 events	16659	15728	18766	16814	9352
	84%	82%	86%	85%	42%

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	265.632891	265.6220320220638	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.211774	-27.18589391959211	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004399	80.20811263498621	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)	327452154.184000	327451777.95715	CCD S5 on	N	N
Observation start date	2008-05-17T22:54:49	2008-05-17T22:49:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327454154.184000	327454288.18227	On-chip summing requested	N	N
Observation end date	2008-05-17T23:28:09	2008-05-17T23:31:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



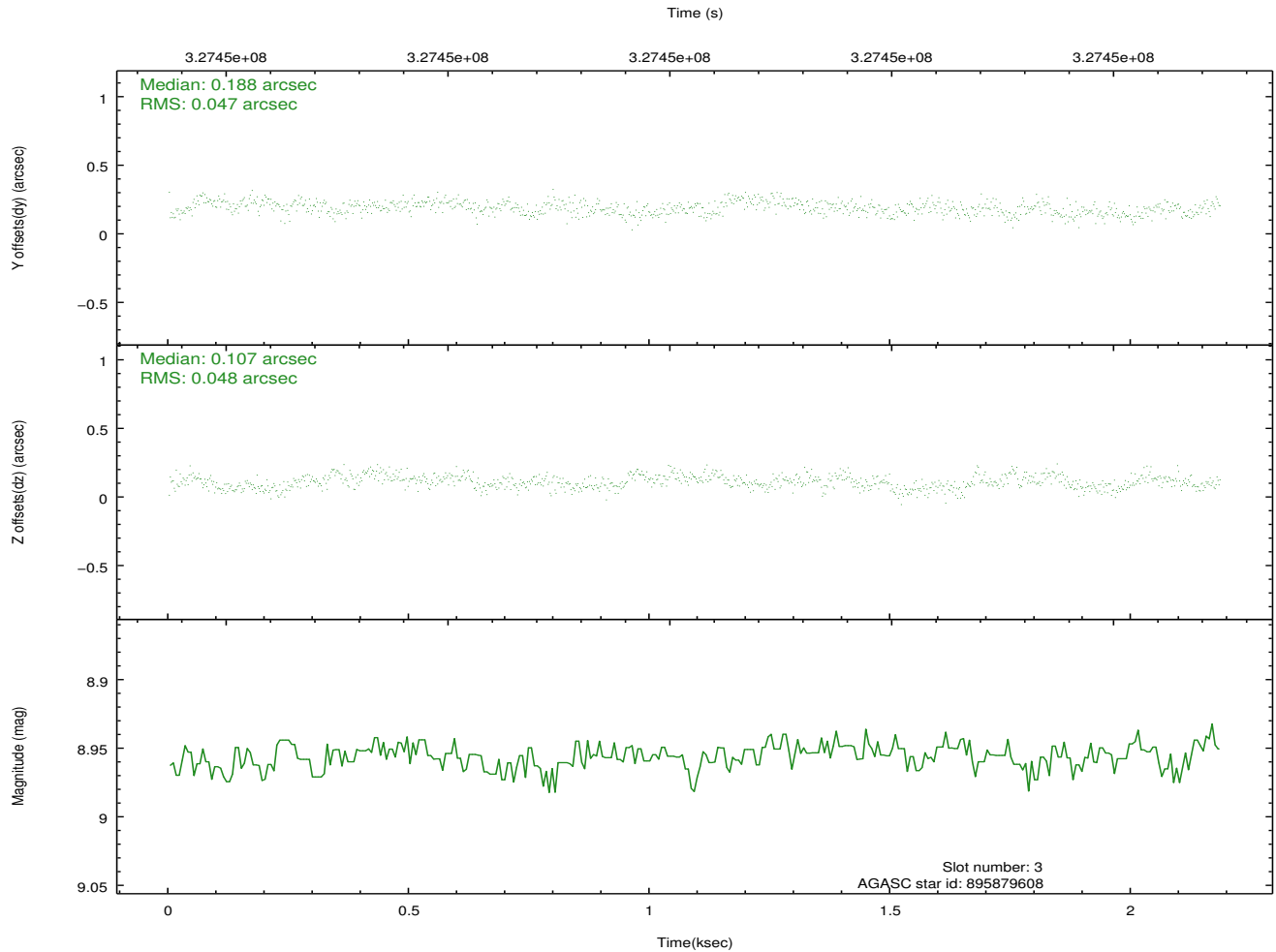
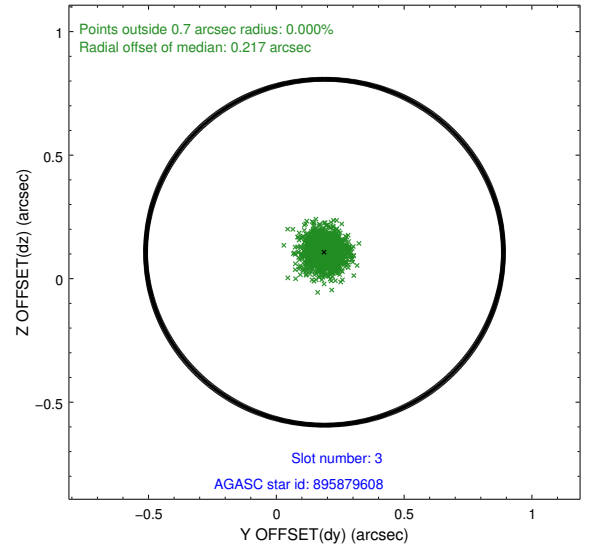
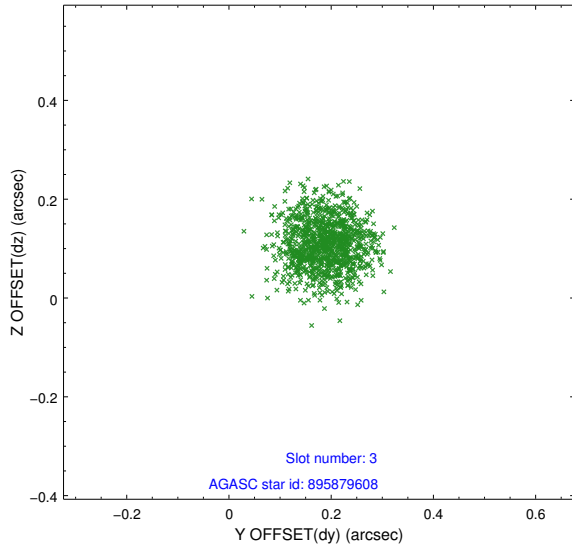


Slot Statistics

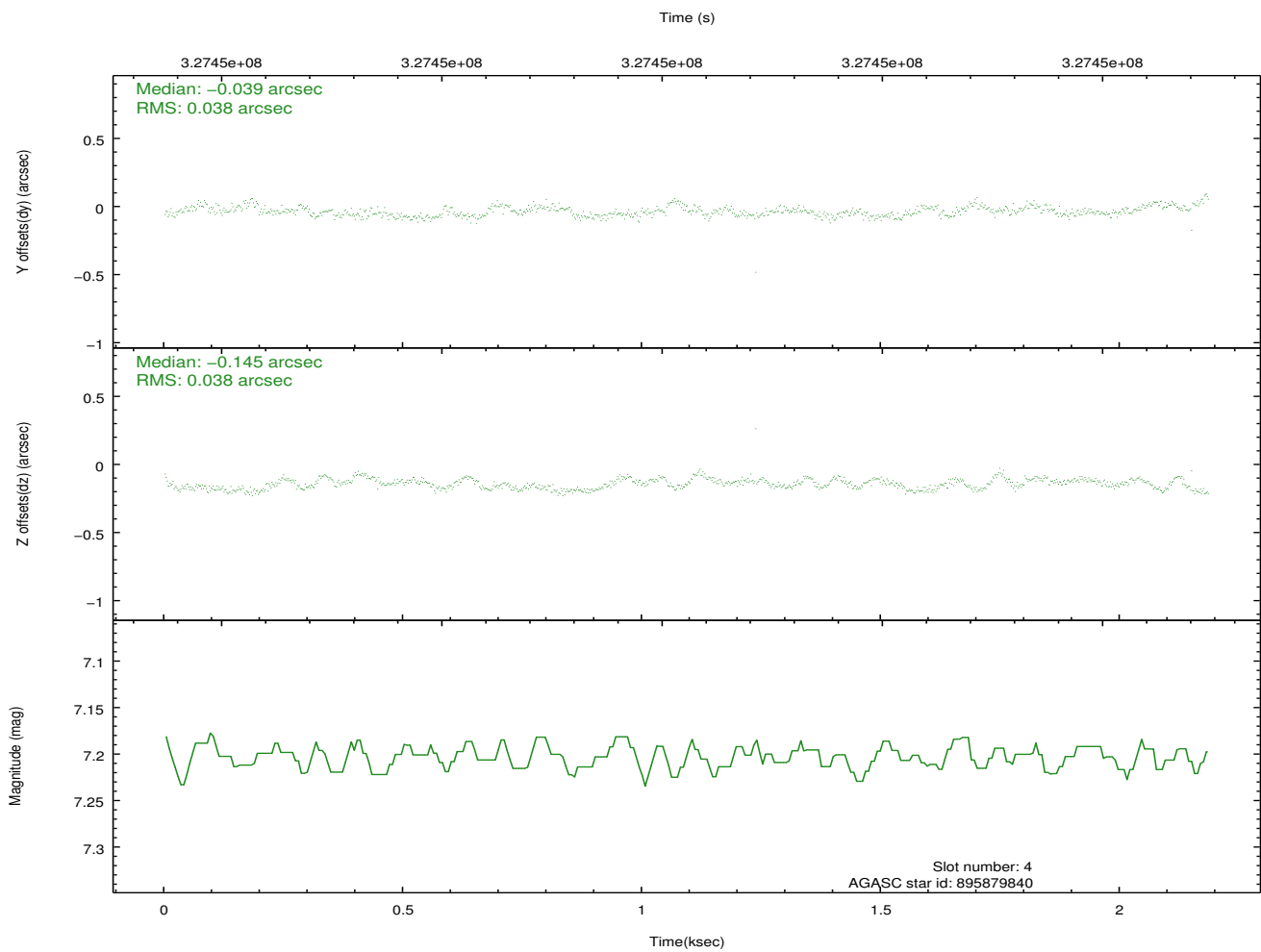
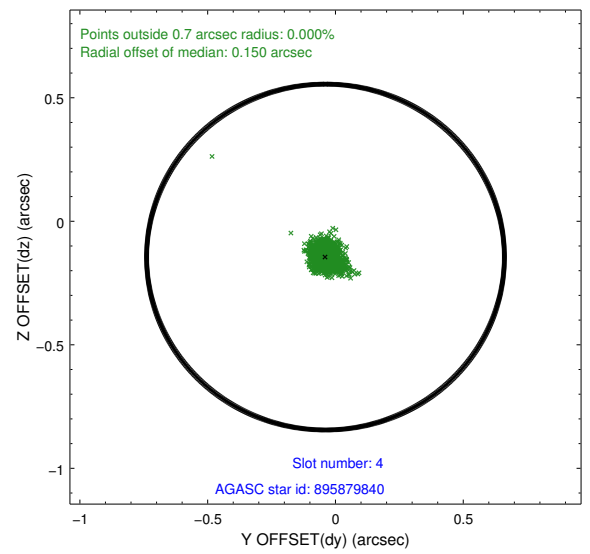
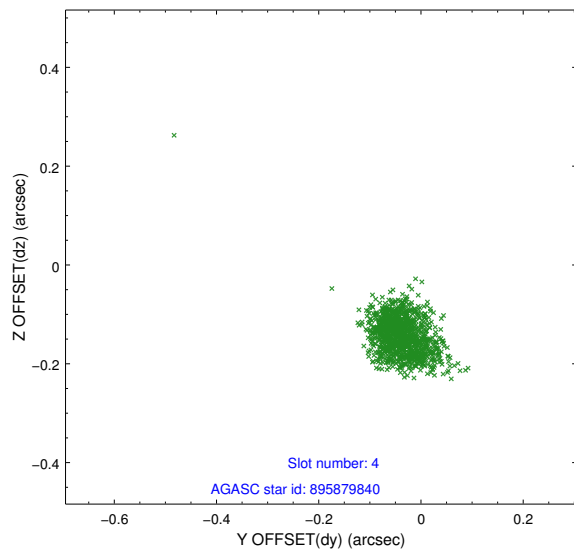
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	533	0.055	0.001	0.007	0.011	0.000000	0.000000	929.44	-836.20
1	FID	ACIS-I-5	7.01	533	-0.202	0.067	0.006	0.011	0.000000	0.000000	-1817.26	1059.88
2	FID	ACIS-I-6	7.01	533	0.056	0.003	0.007	0.011	0.000000	0.000000	391.75	1707.68
3	GUIDE	895879608	8.96	1066	0.188	0.107	0.073	0.114	265.708239	-27.843915	-2199.50	-631.38
4	GUIDE	895879840	7.20	1066	-0.039	-0.145	0.055	0.084	265.218397	-27.395778	-886.88	1188.60
5	GUIDE	896014280	9.44	1066	0.173	0.140	0.095	0.152	266.063099	-27.763440	-1721.44	-1693.70
6	GUIDE	896015344	9.11	1066	-0.180	0.082	0.086	0.138	265.913290	-26.611586	2281.67	-515.56
7	GUIDE	895882464	8.81	1064	-0.140	-0.192	0.080	0.121	265.568948	-26.820420	1353.68	446.08

2.4 Star Slots

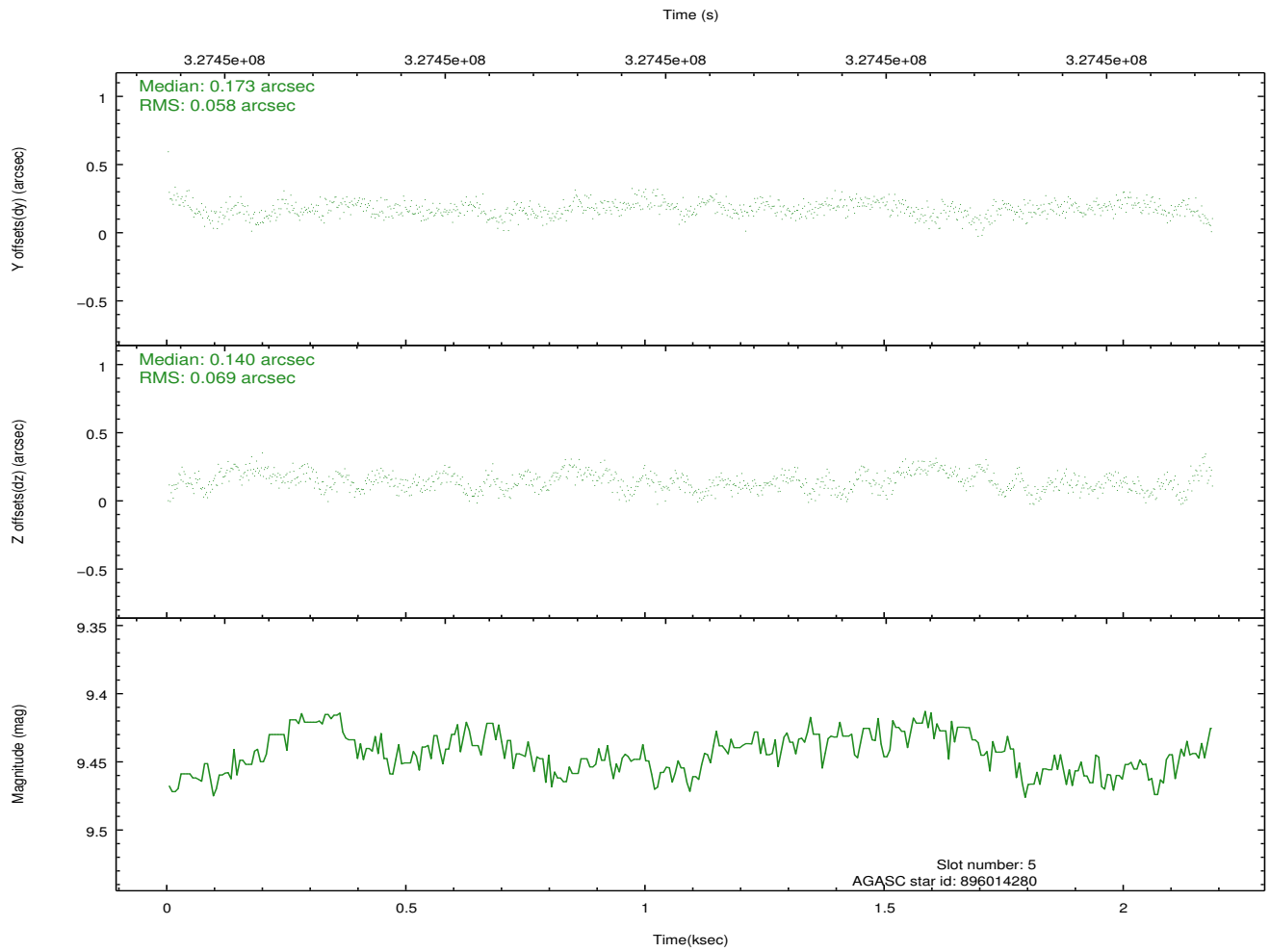
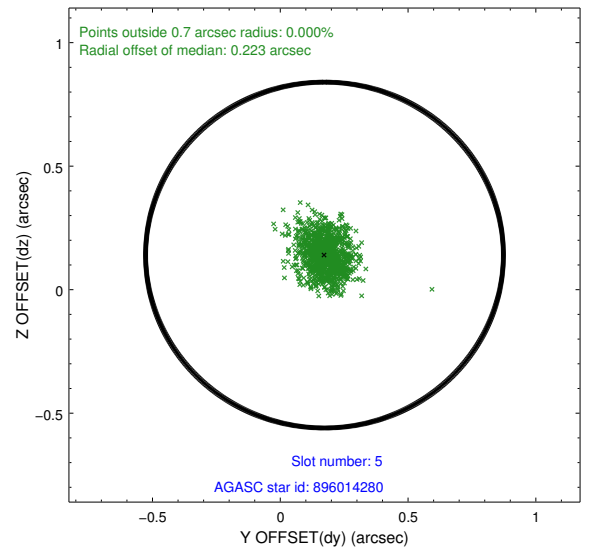
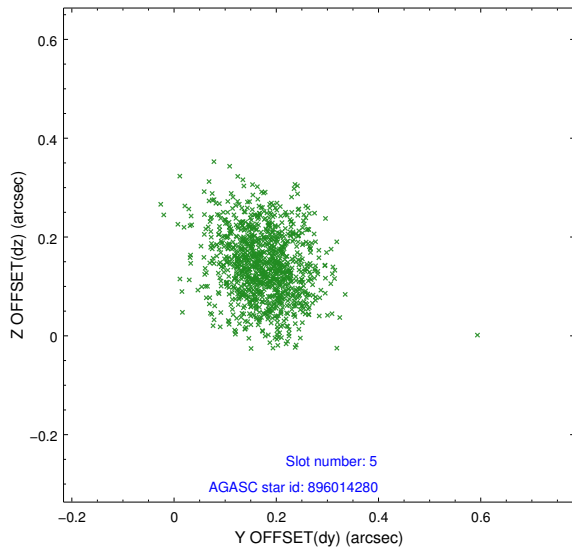
2.4.1 Slot 3



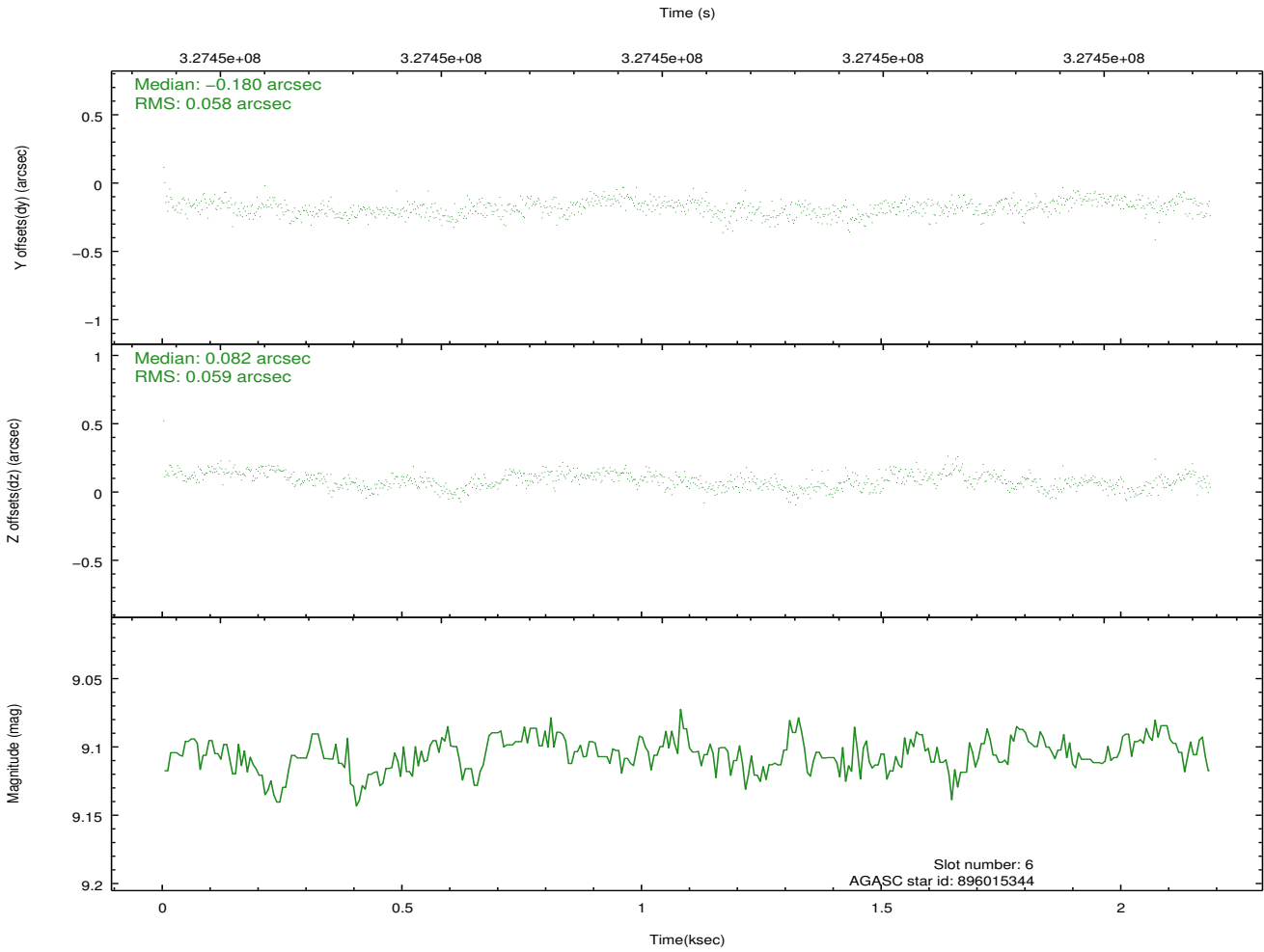
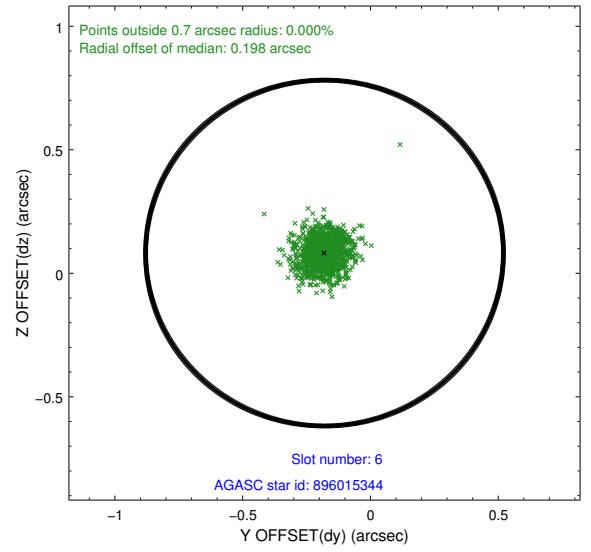
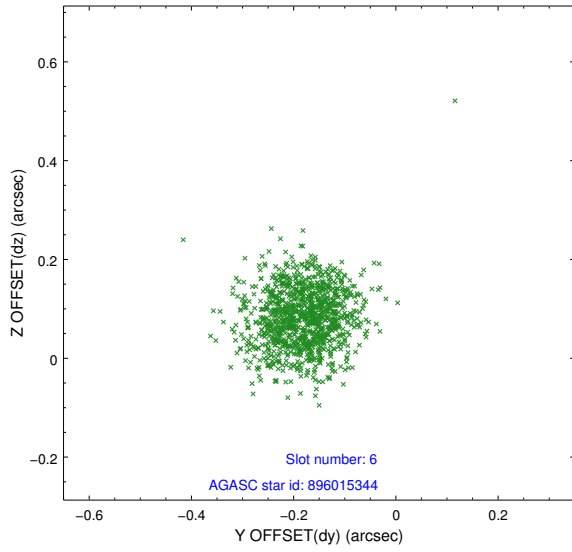
2.4.2 Slot 4



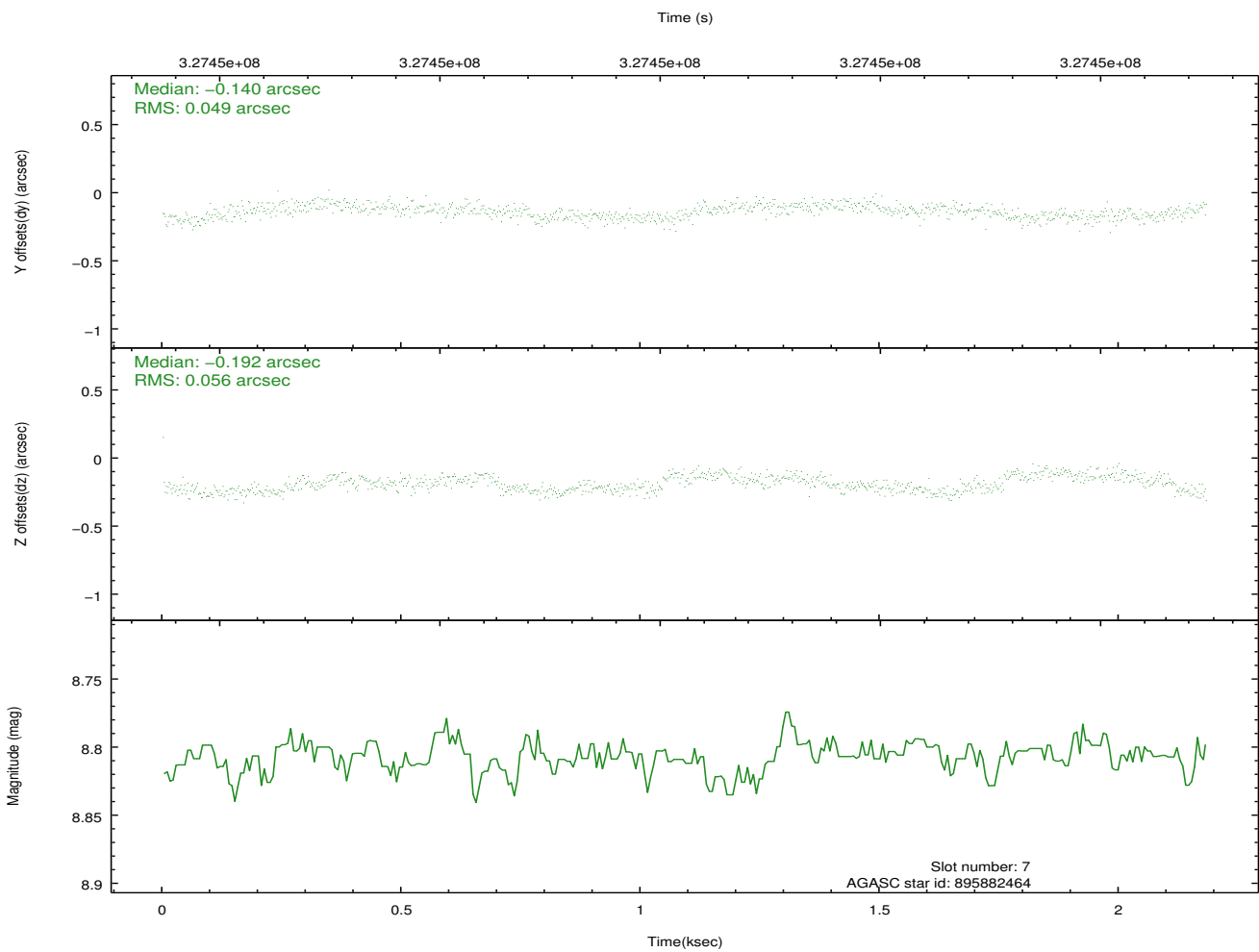
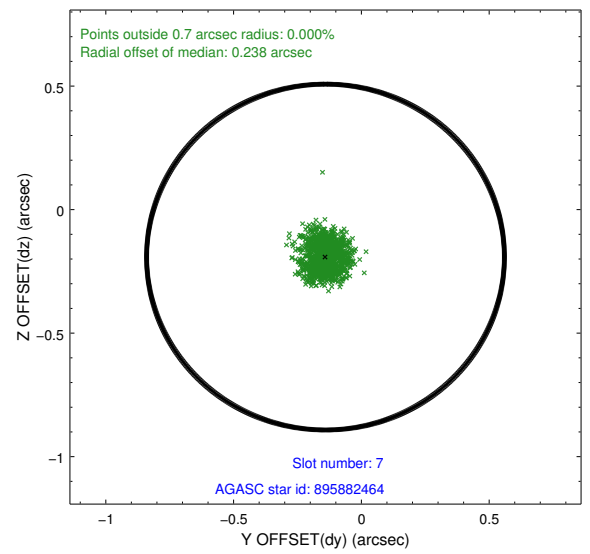
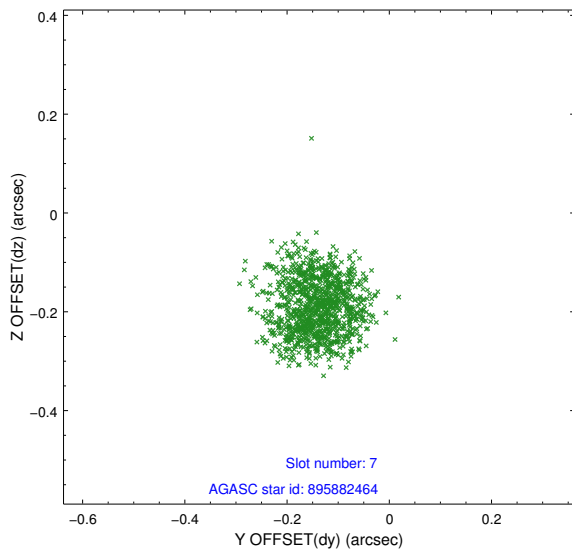
2.4.3 Slot 5



2.4.4 Slot 6

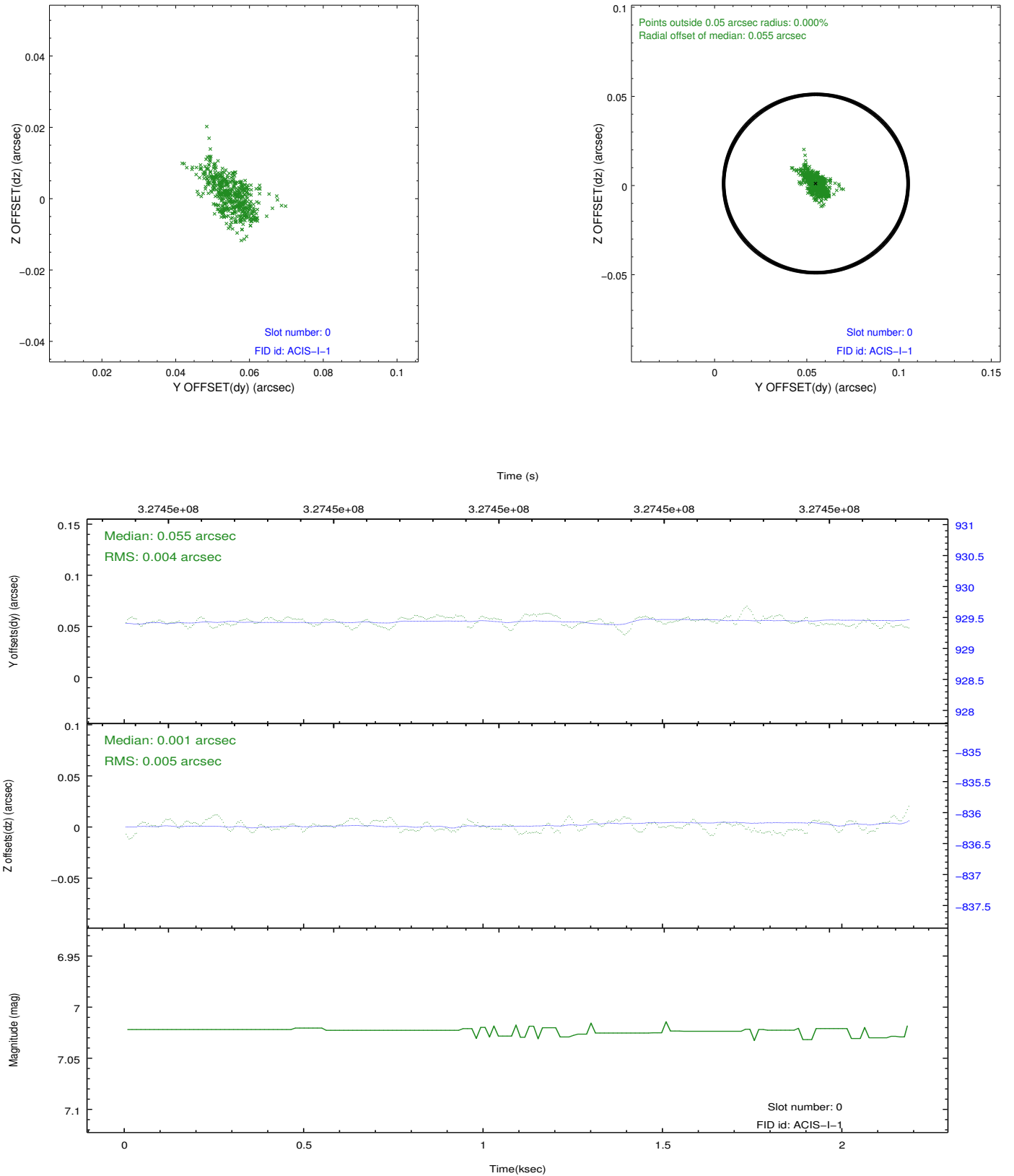


2.4.5 Slot 7

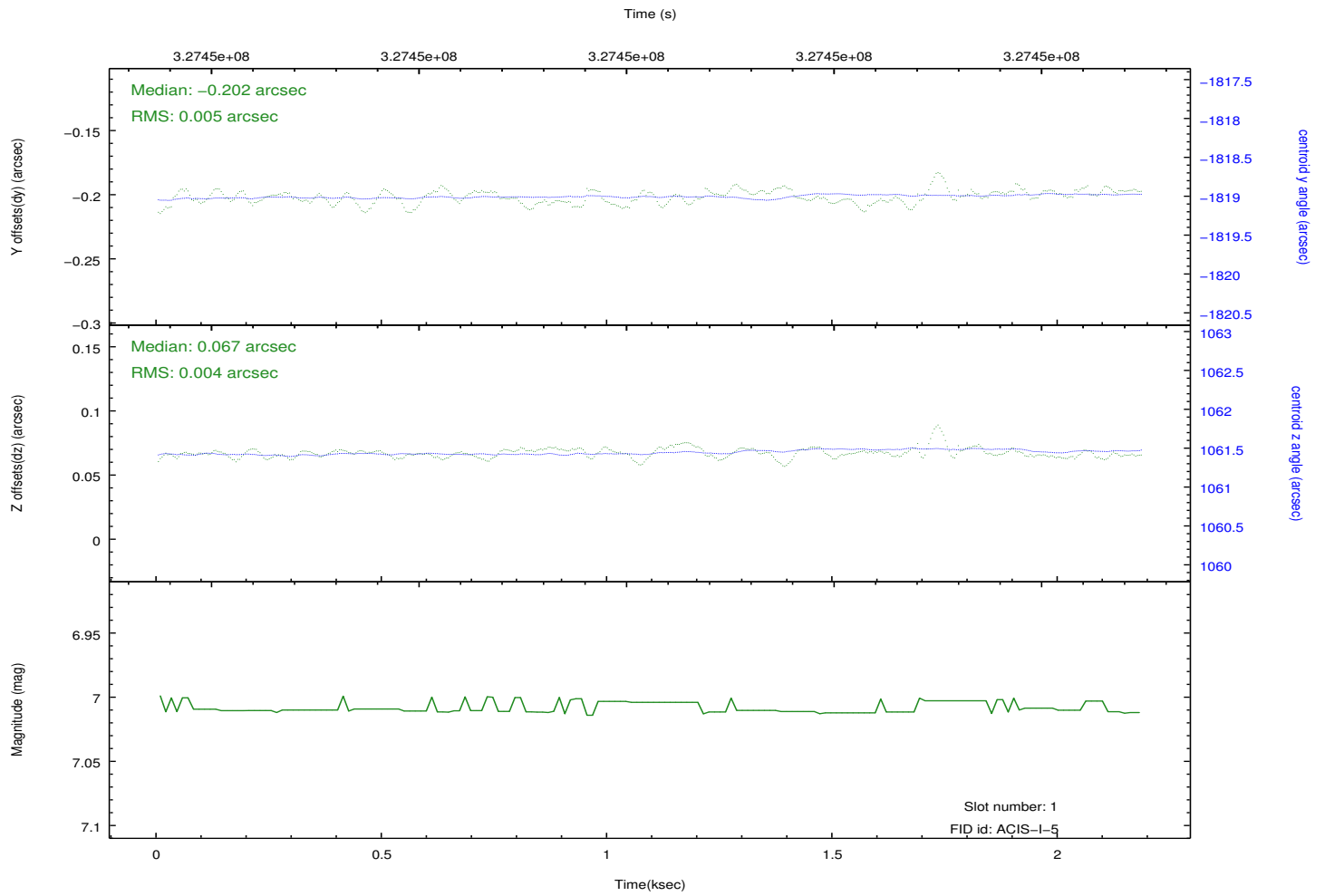
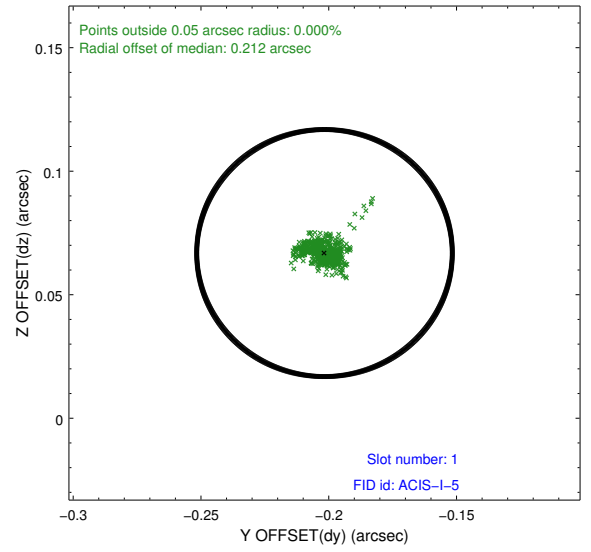
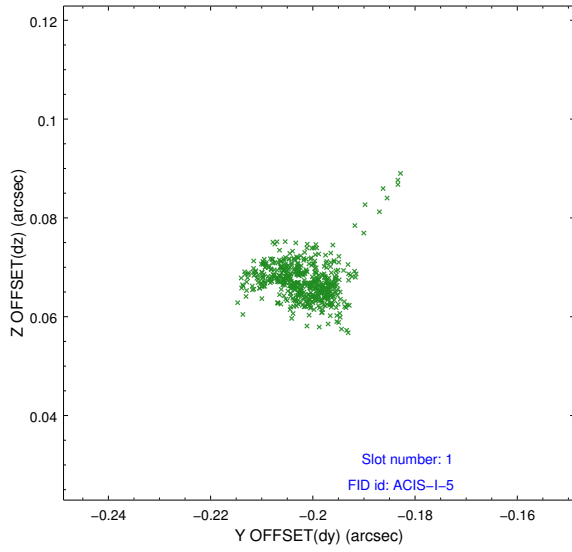


2.5 FID Slots

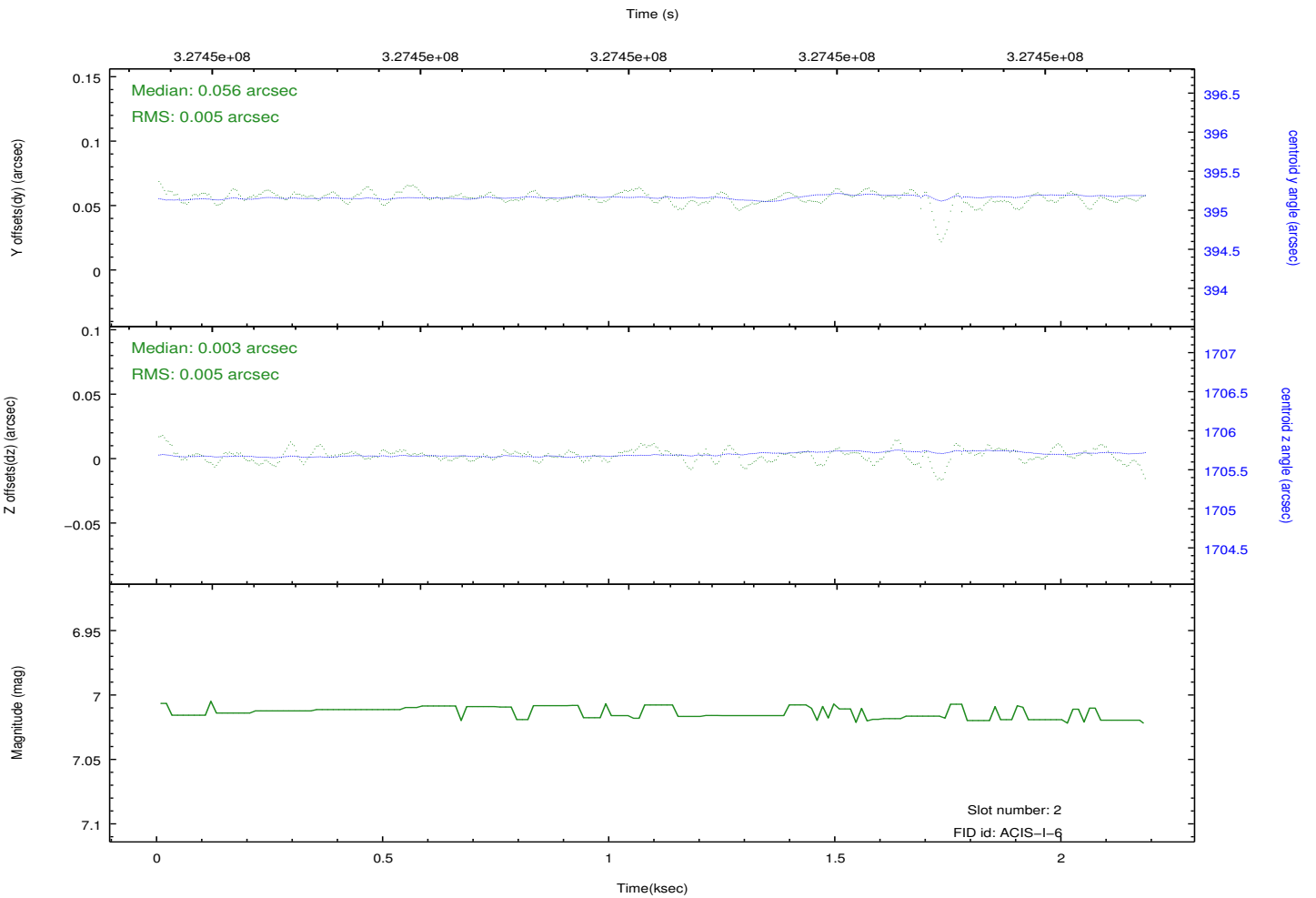
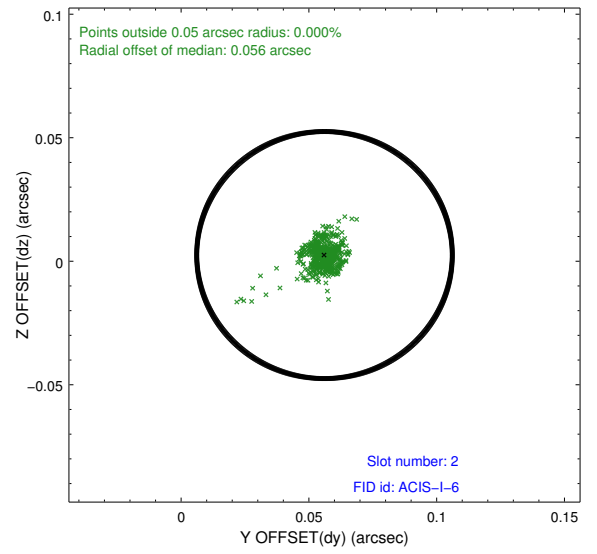
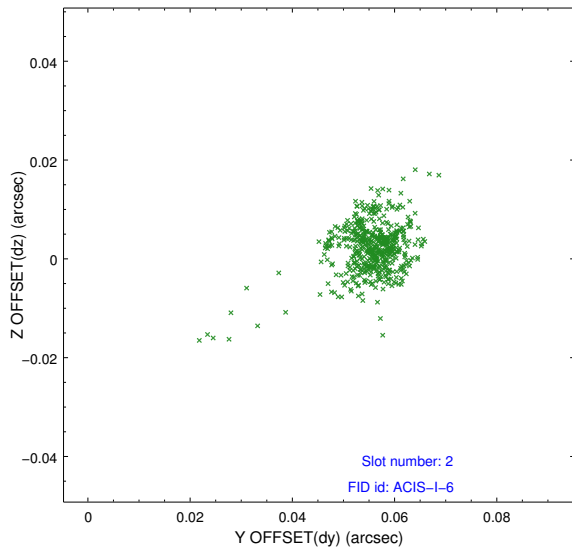
2.5.1 Slot 0



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	2.18240001

A.2 Comments