

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8708 - L2 Version 2
Chandra X-Ray Center

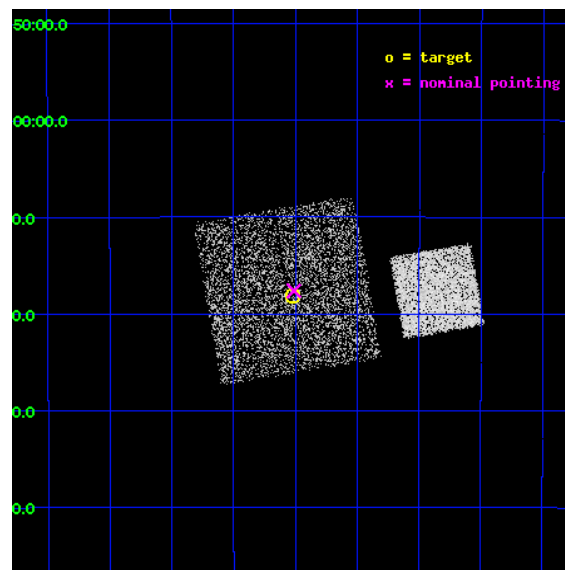
L2 Processing Date : May 15 2012

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1 Front

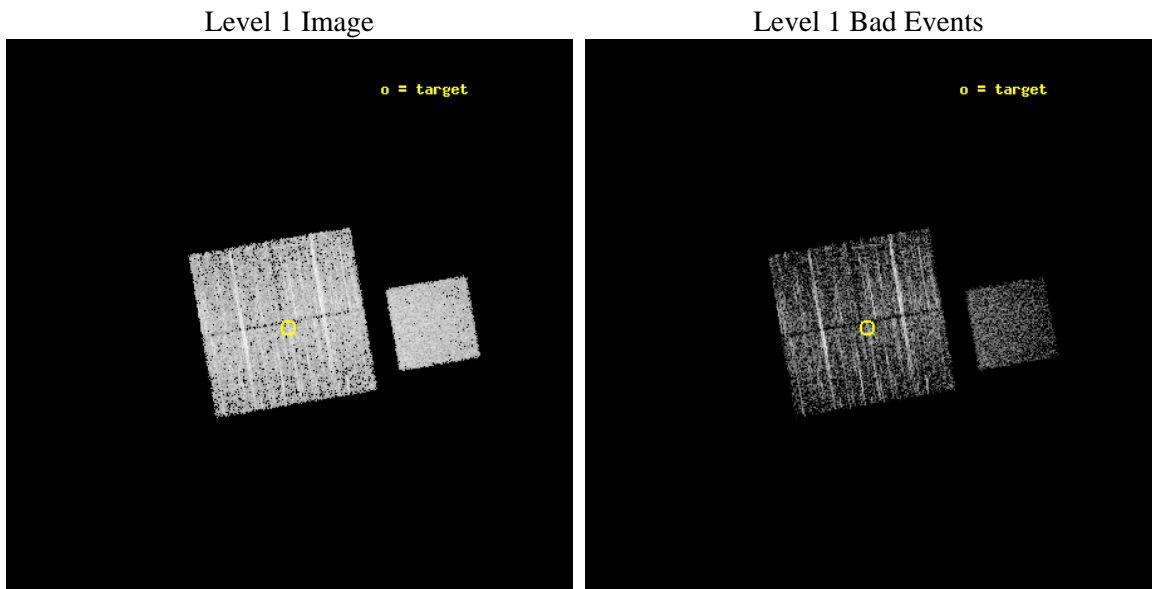
seq_num	400759	Sequence number
obs_id	8708	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.379205	Observer's specified target RA [deg]
dec_targ	-30.301937	Observer's specified target Dec [deg]
ra_nom	263.37798225077	Nominal RA [deg]
dec_nom	-30.293964425444	Nominal Dec [deg]
roll_nom	80.208083081454	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	15973	Number of level 2 events



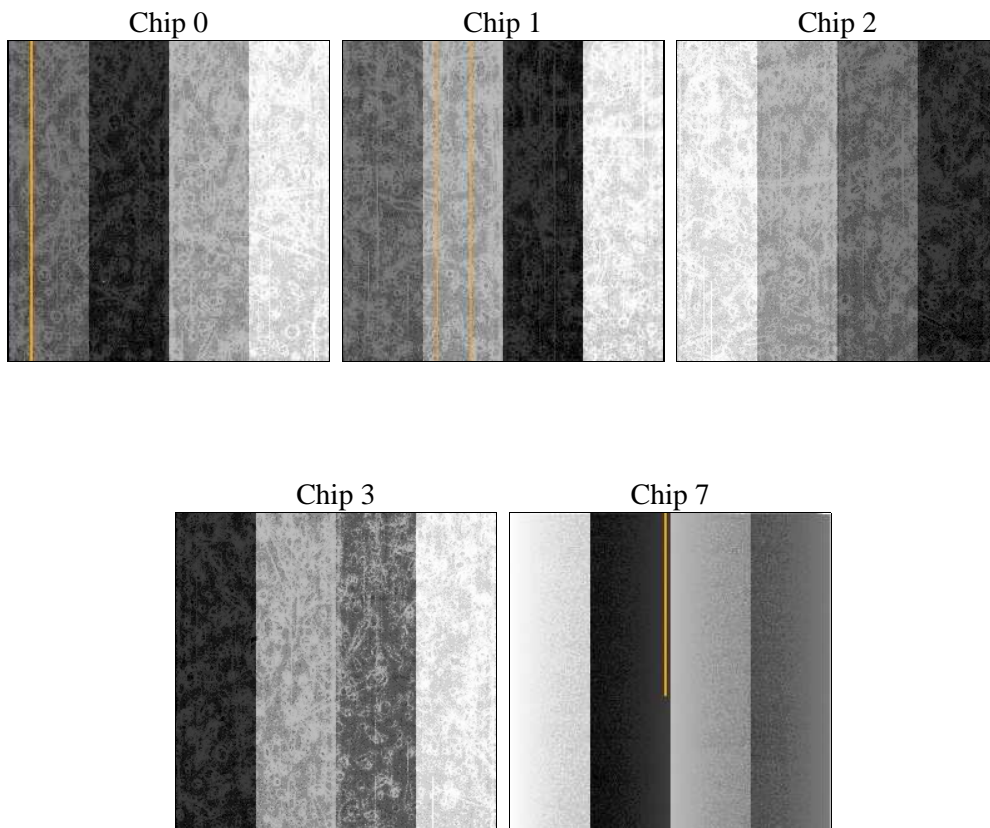
2 OBI

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]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:38:29	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	102342	Number of level 1 events

2.1.4 Events

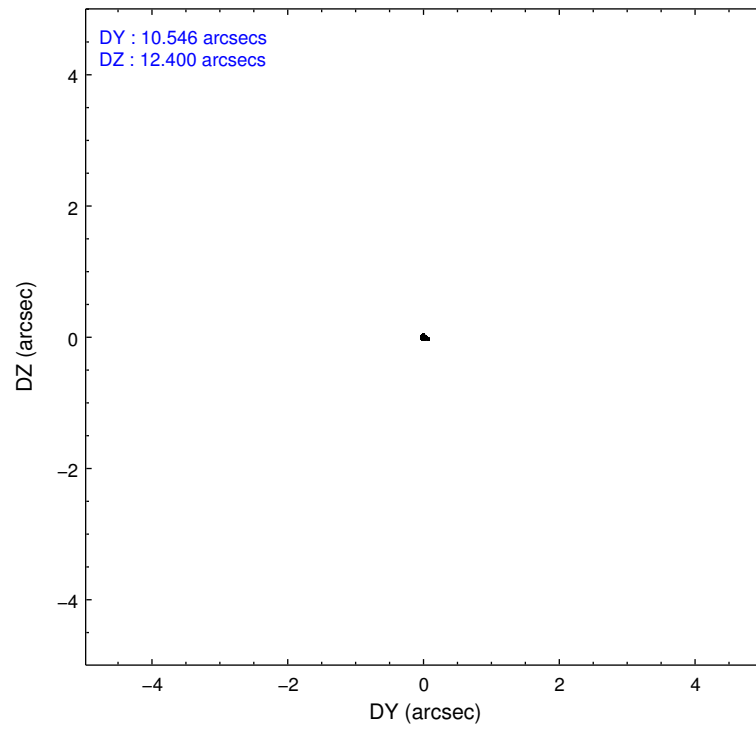
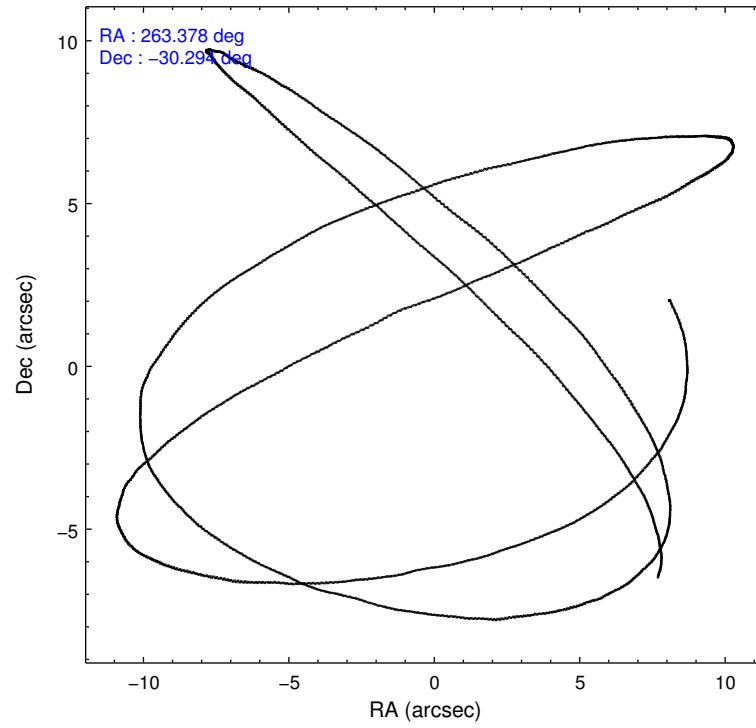
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18289	19235	22435	19624	22759
rejected events	16213	17007	20260	17744	13528
rejected %	88%	88%	90%	90%	59%

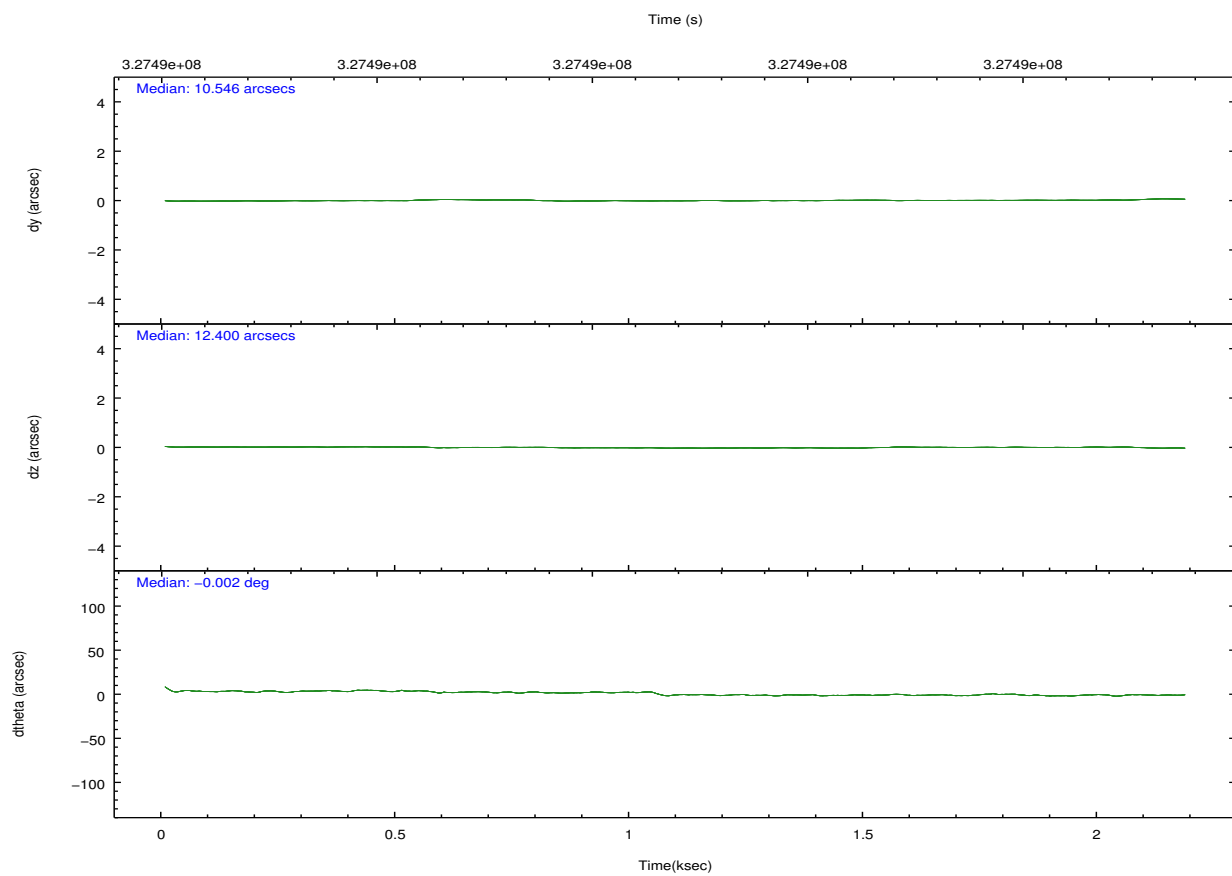
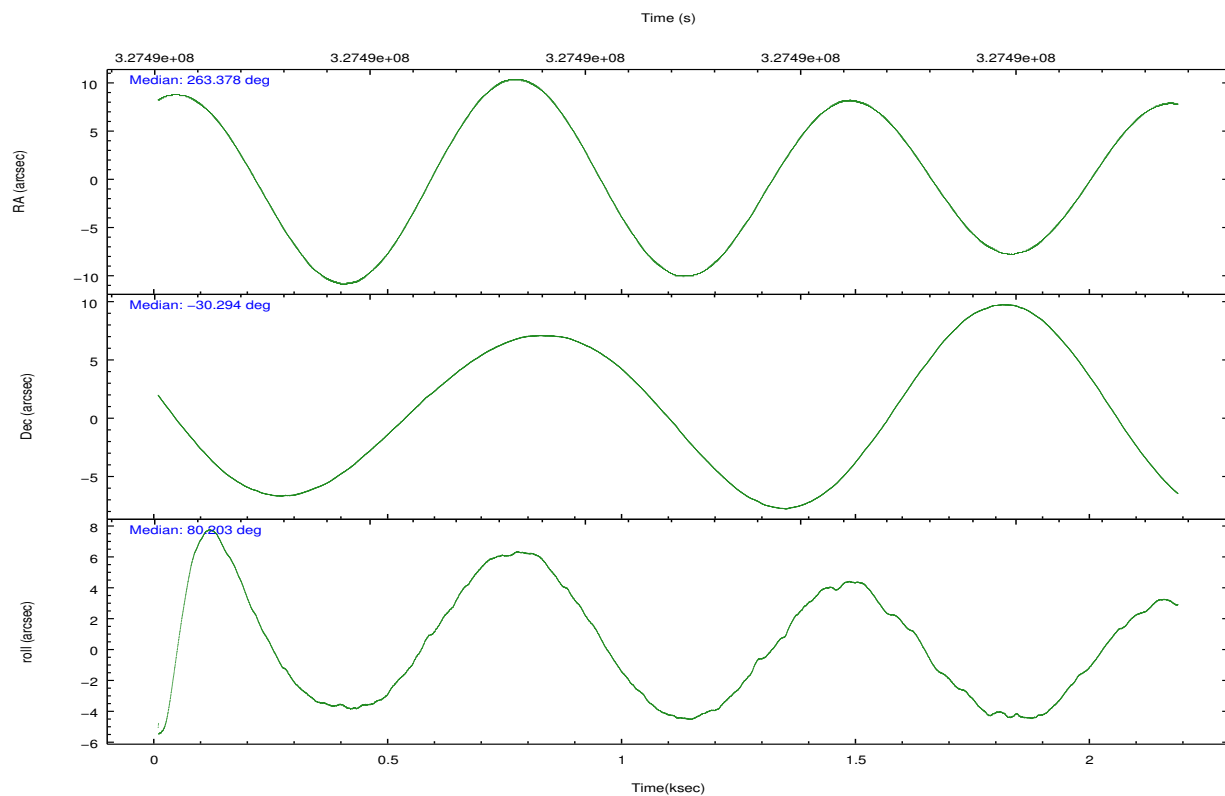
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	998	1055	1079	925	1041
	5%	5%	4%	4%	4%
grade 1 events	9	10	18	14	34
	0%	0%	0%	0%	0%
grade 2 events	539	504	531	427	2156
	2%	2%	2%	2%	9%
grade 3 events	231	275	243	222	978
	1%	1%	1%	1%	4%
grade 4 events	229	262	253	207	944
	1%	1%	1%	1%	4%
grade 5 events	758	766	640	789	2391
	4%	3%	2%	4%	10%
grade 6 events	398	462	392	390	5455
	2%	2%	1%	1%	23%
grade 7 events	15127	15901	19279	16650	9760
	82%	82%	85%	84%	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	263.389102	263.3779822507687	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.319685	-30.29396442544392	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004995	80.20808308145399	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)	327487294.184000	327486918.03386	CCD S5 on	N	N
Observation start date	2008-05-18T08:40:29	2008-05-18T08:35:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327489294.184000	327489428.25899	On-chip summing requested	N	N
Observation end date	2008-05-18T09:13:49	2008-05-18T09:17:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



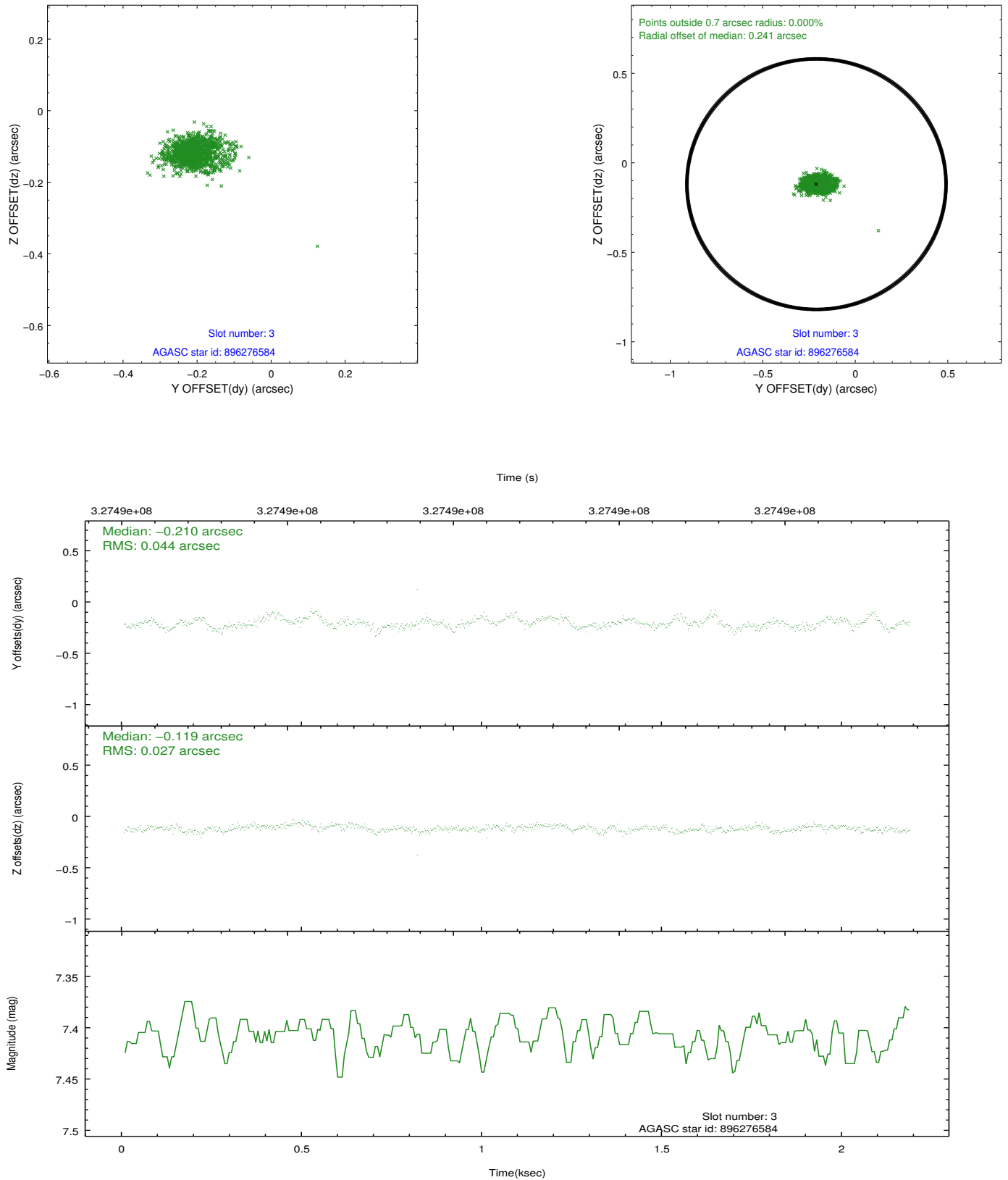


Slot Statistics

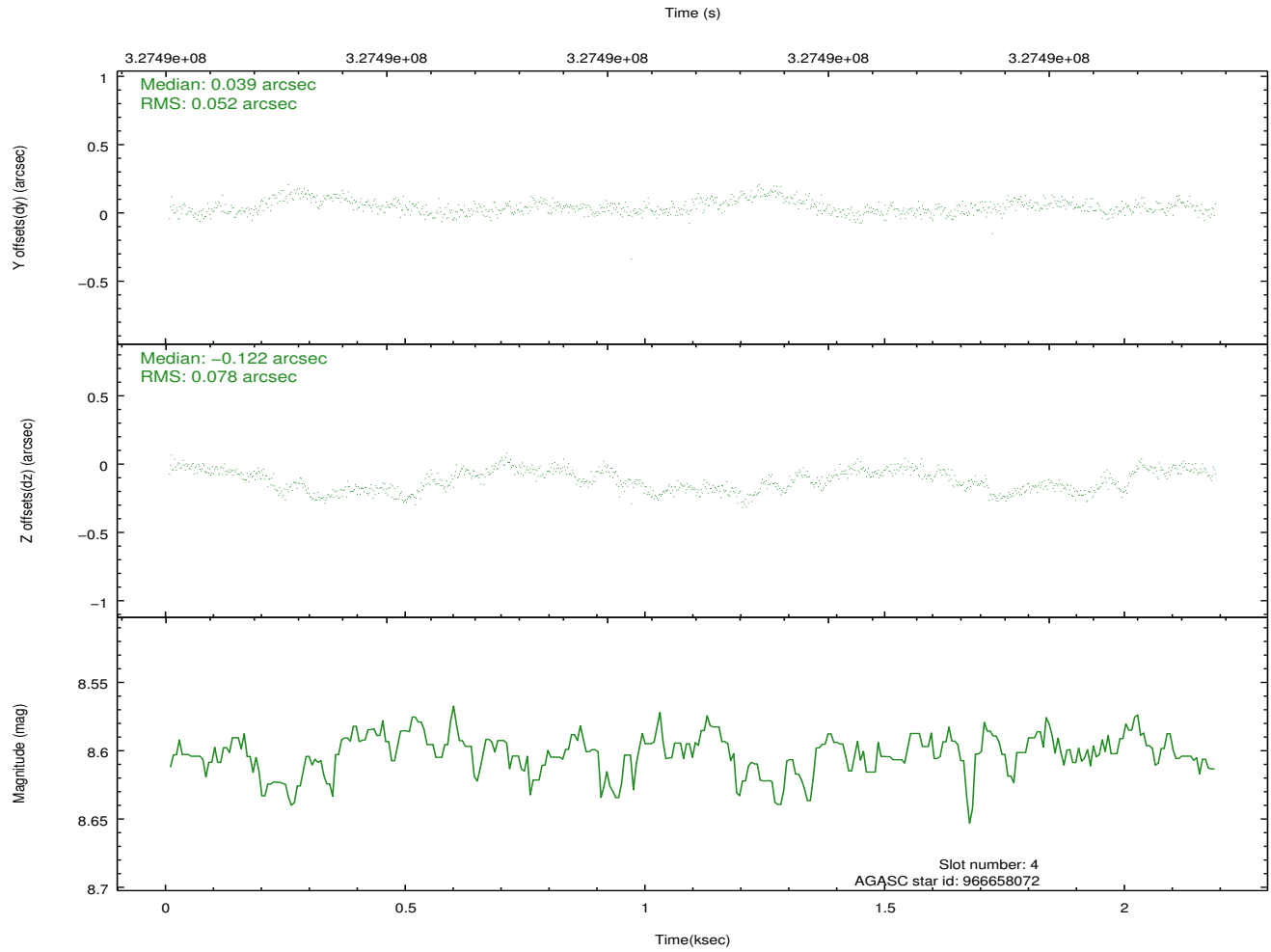
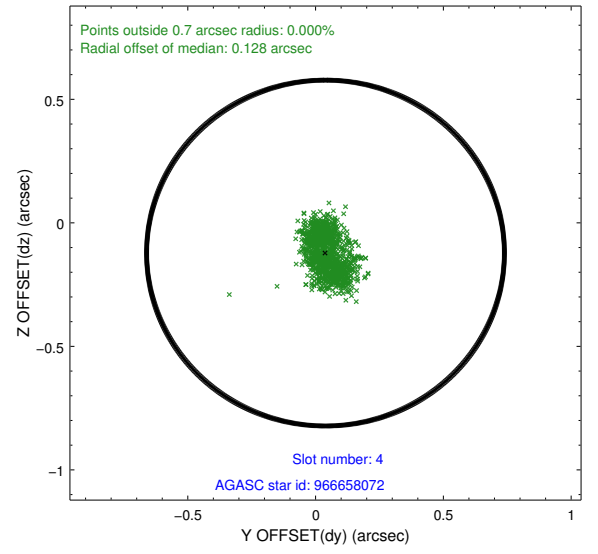
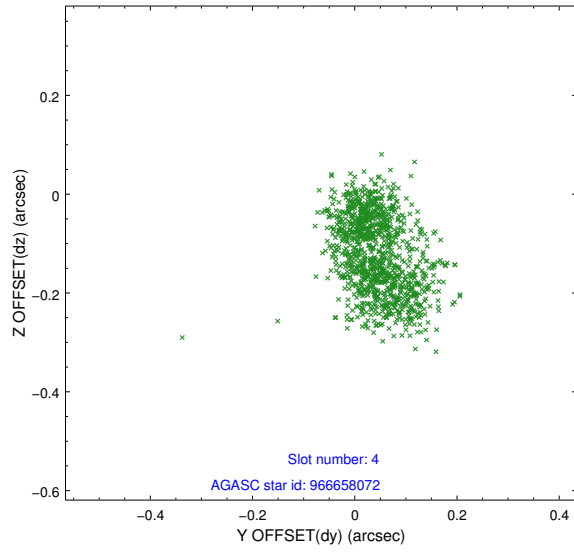
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	0.012	-0.048	0.031	0.052	0.000000	0.000000	929.05	-835.96
1	FID	ACIS-I-4	6.98	532	0.091	0.052	0.025	0.041	0.000000	0.000000	2150.83	1062.43
2	FID	ACIS-I-5	7.03	533	-0.200	0.065	0.012	0.021	0.000000	0.000000	-1815.33	1063.69
3	GUIDE	896276584	7.41	1064	-0.210	-0.119	0.051	0.093	263.264332	-29.650845	2303.50	802.64
4	GUIDE	966658072	8.60	1065	0.039	-0.122	0.102	0.150	262.985614	-30.401203	-506.11	1183.30
5	GUIDE	966791064	7.77	1062	-0.034	0.016	0.053	0.082	263.920275	-30.338943	214.43	-1636.66
6	GUIDE	966787912	8.22	1064	0.067	0.075	0.059	0.089	263.385116	-30.640247	-1137.93	-189.50
7	GUIDE	966788496	8.63	1064	0.134	0.147	0.077	0.121	264.053541	-30.541810	-436.23	-2168.54

2.4 Star Slots

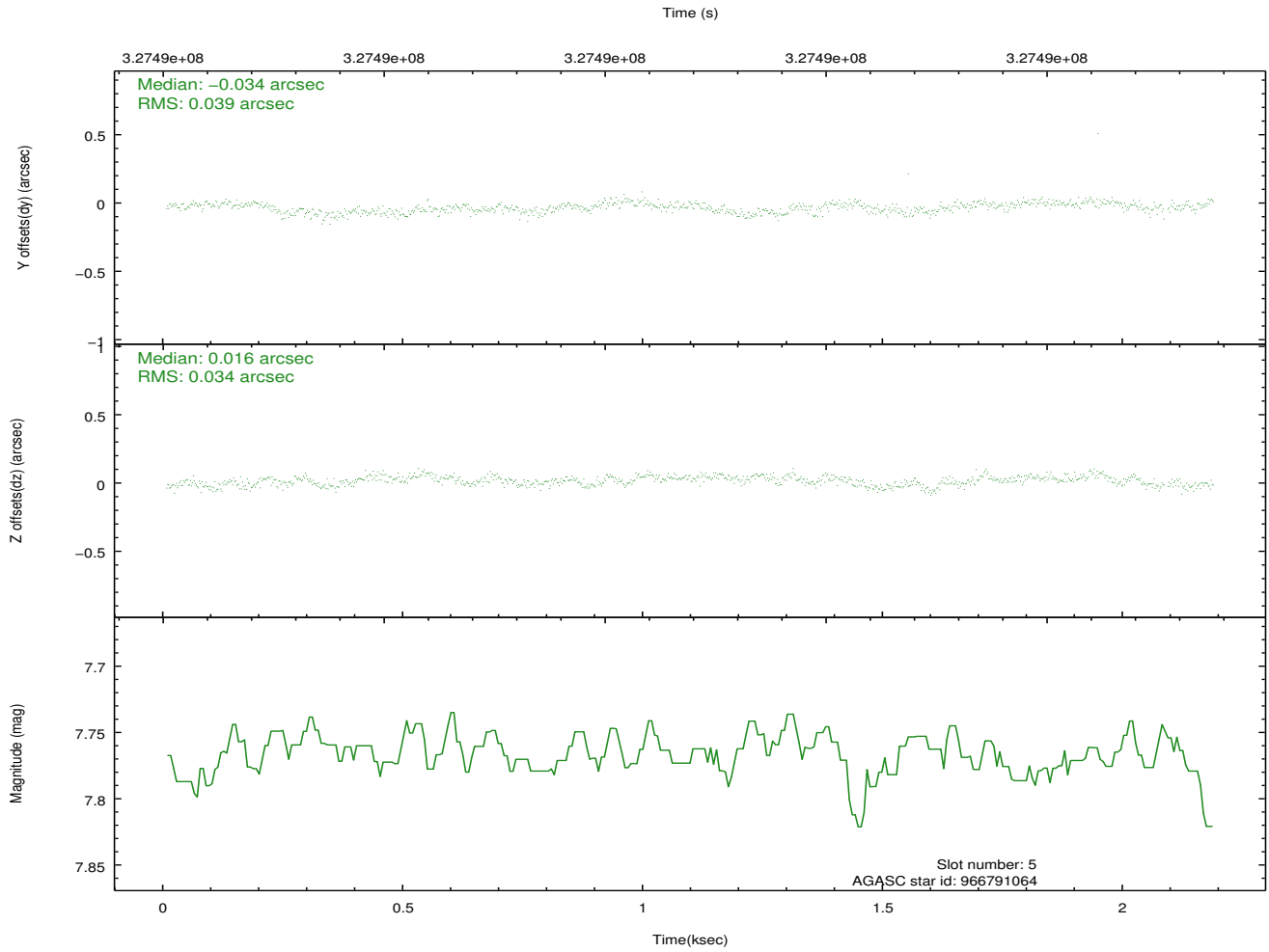
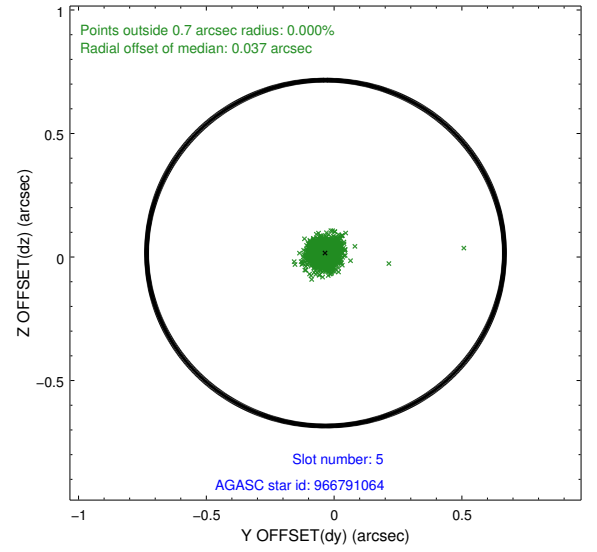
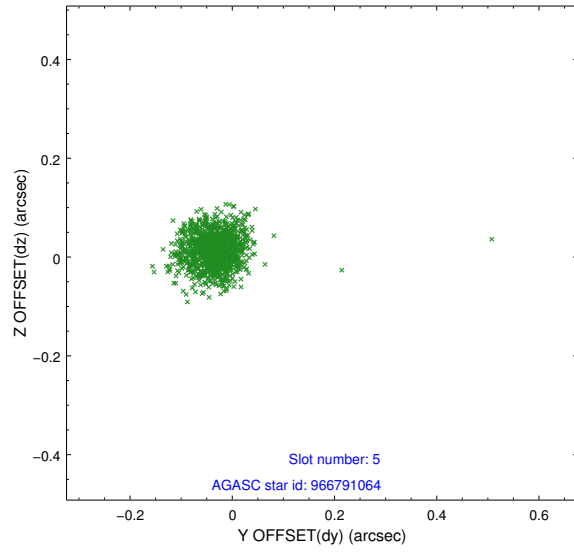
2.4.1 Slot 3



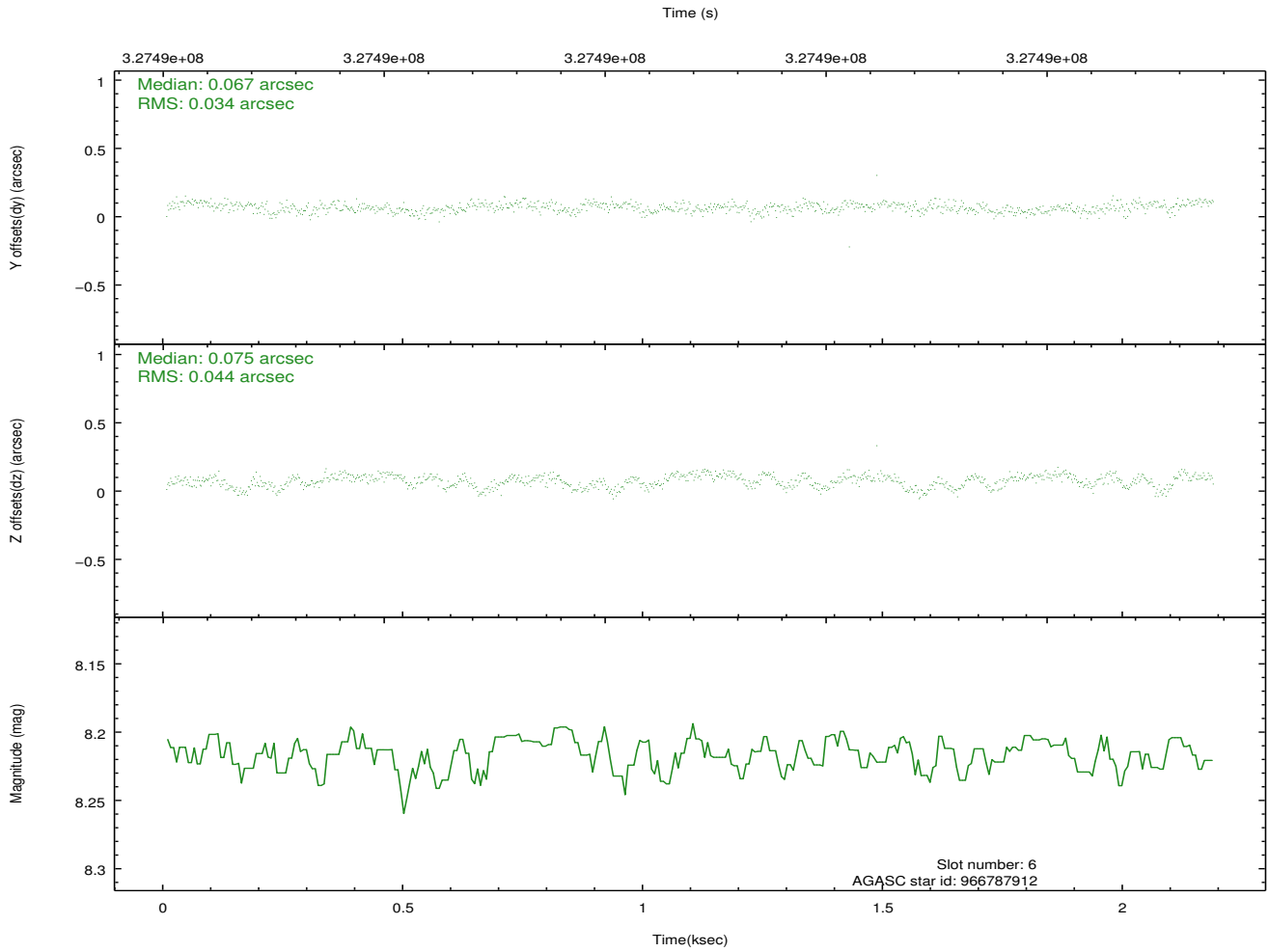
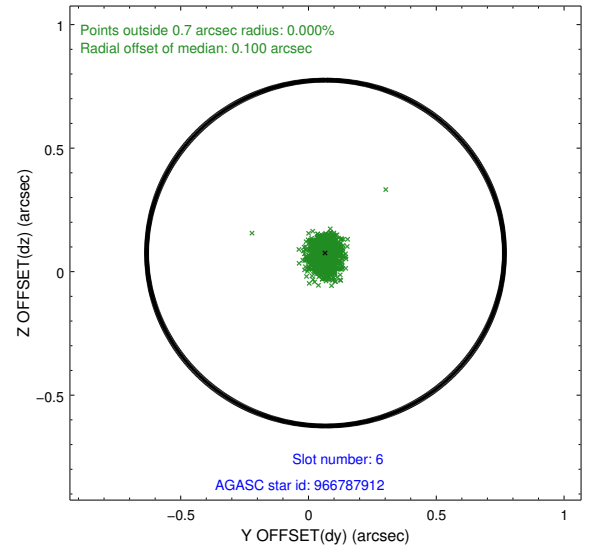
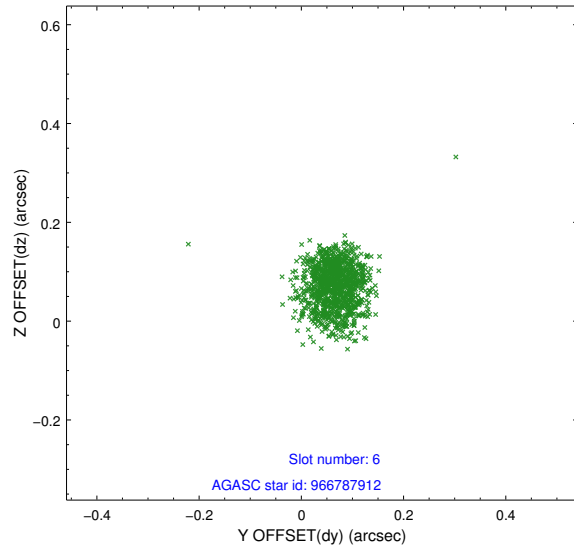
2.4.2 Slot 4



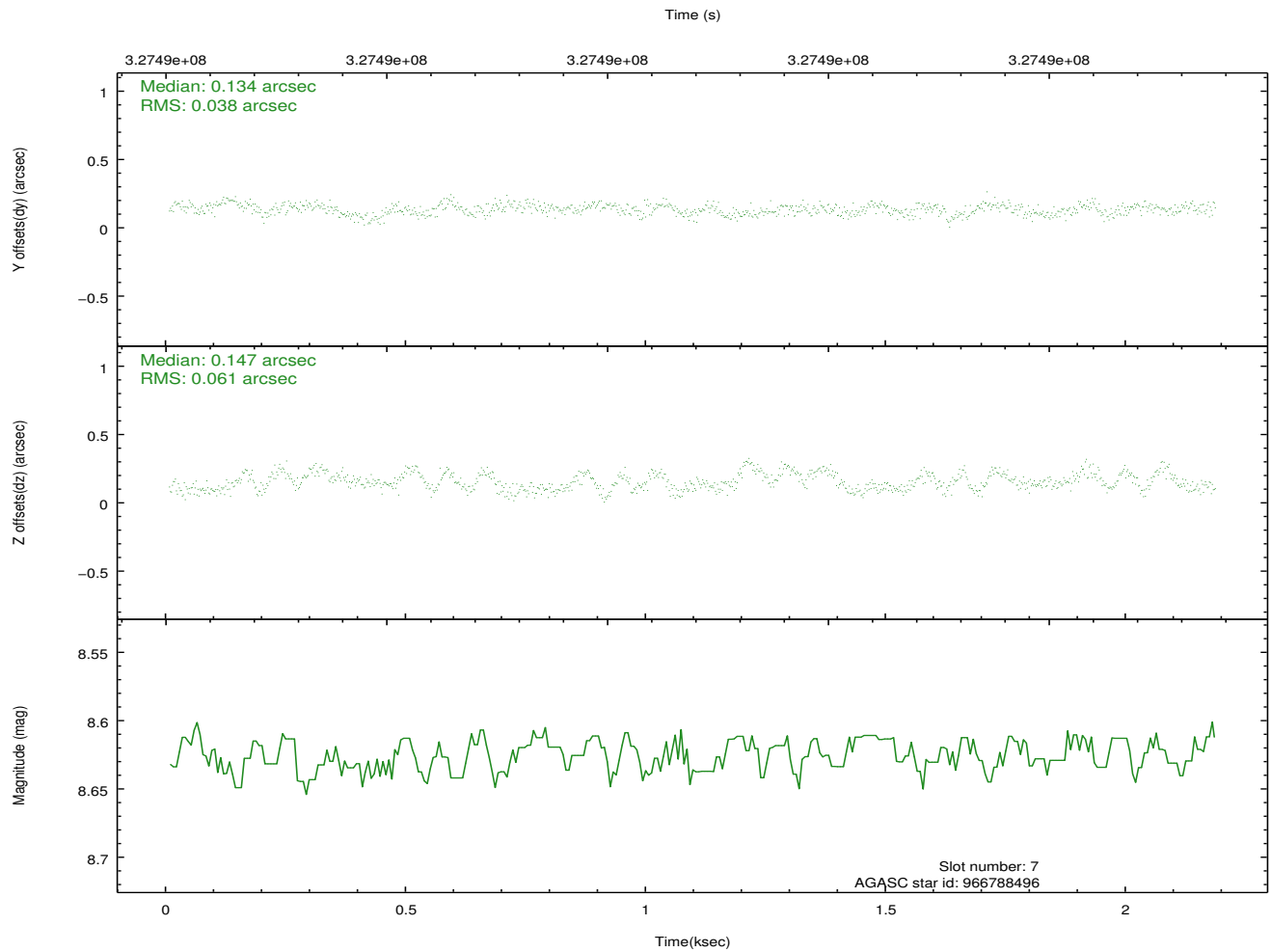
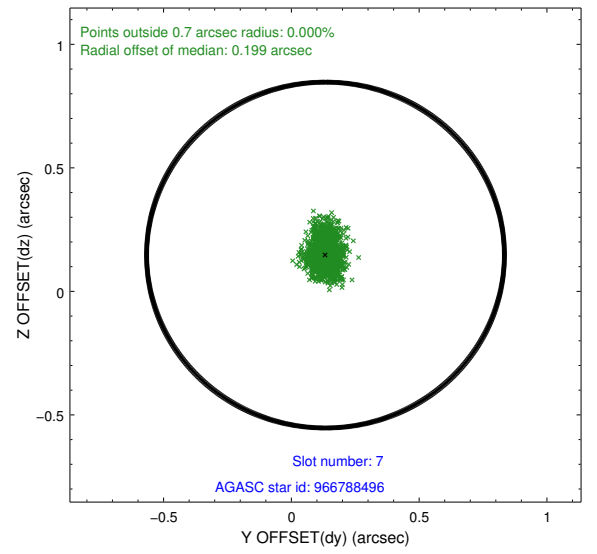
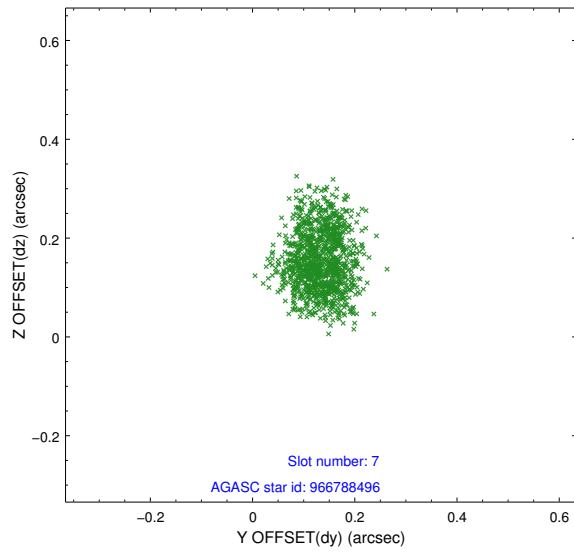
2.4.3 Slot 5



2.4.4 Slot 6

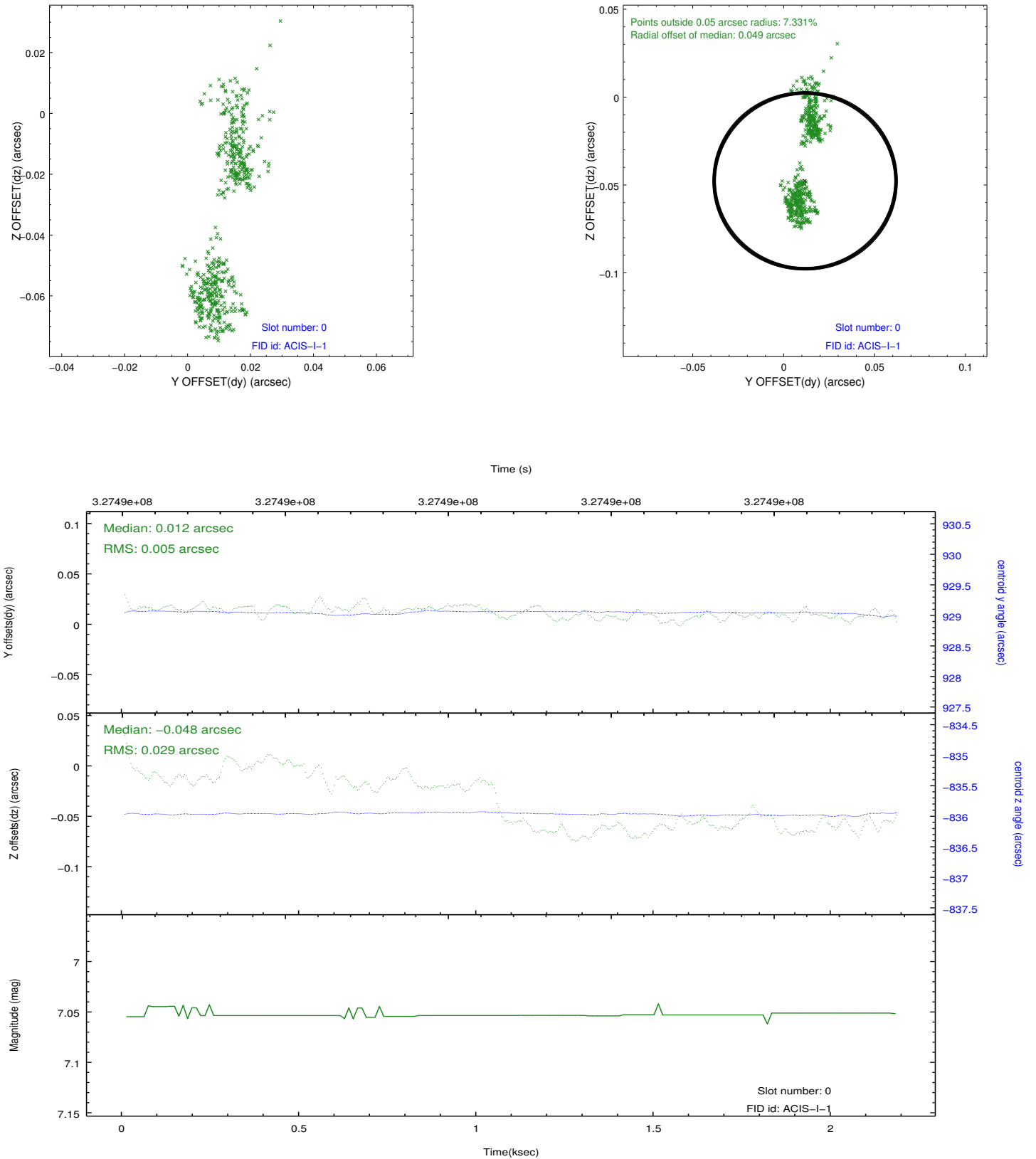


2.4.5 Slot 7

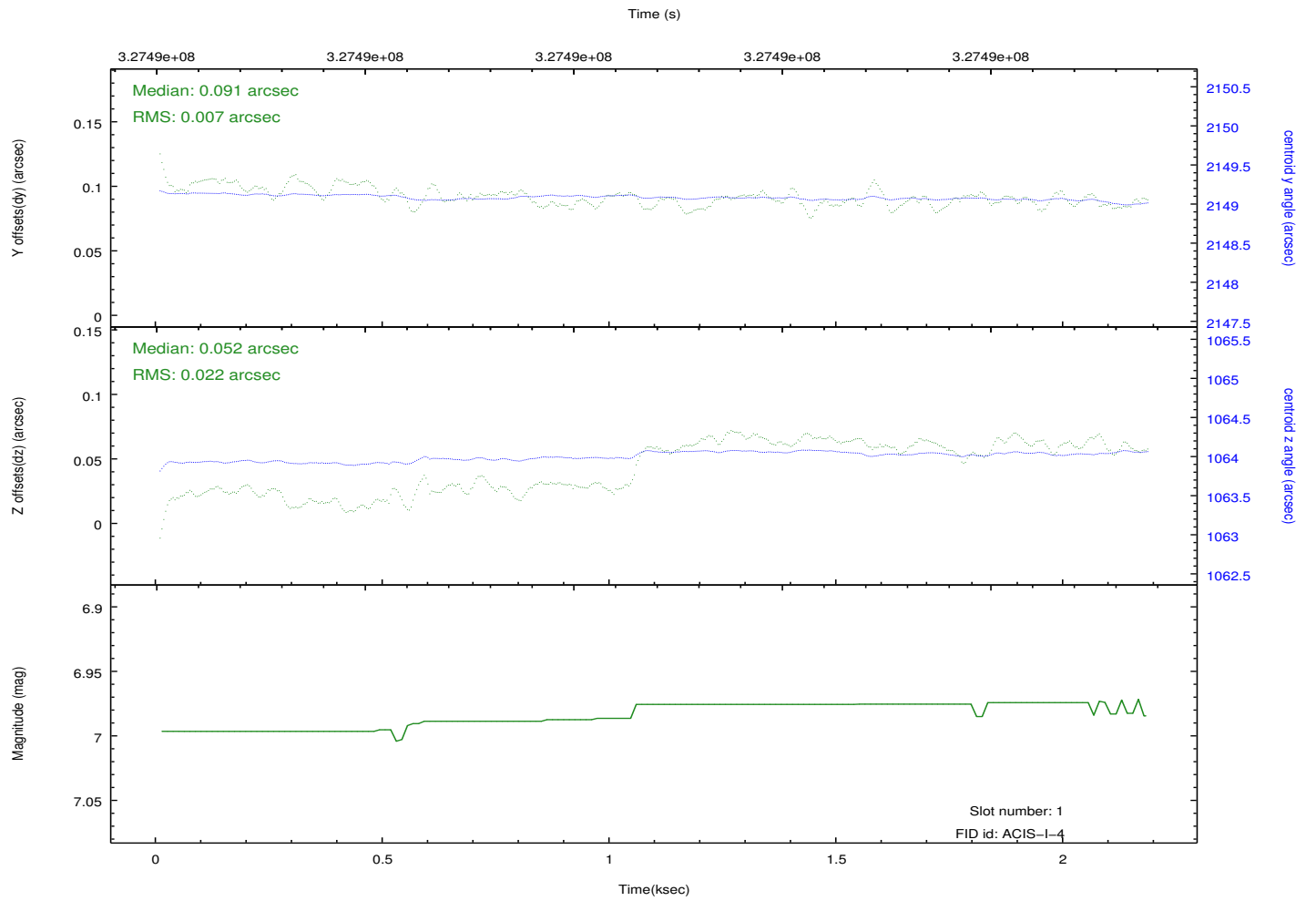
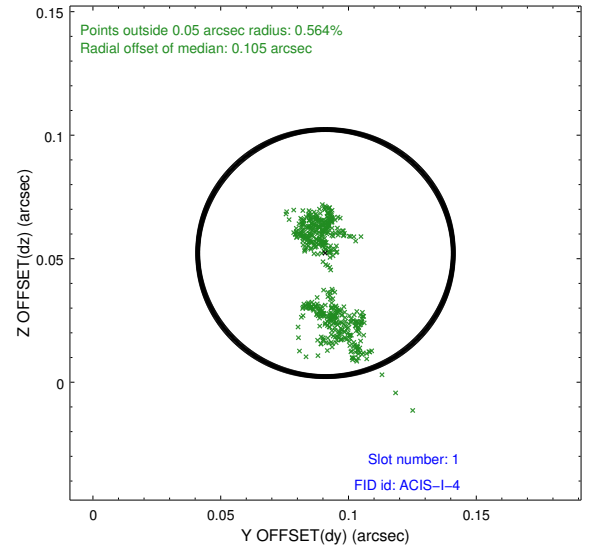
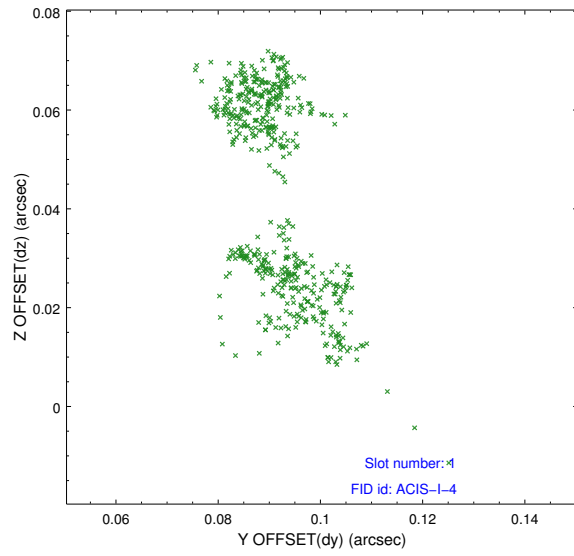


2.5 FID Slots

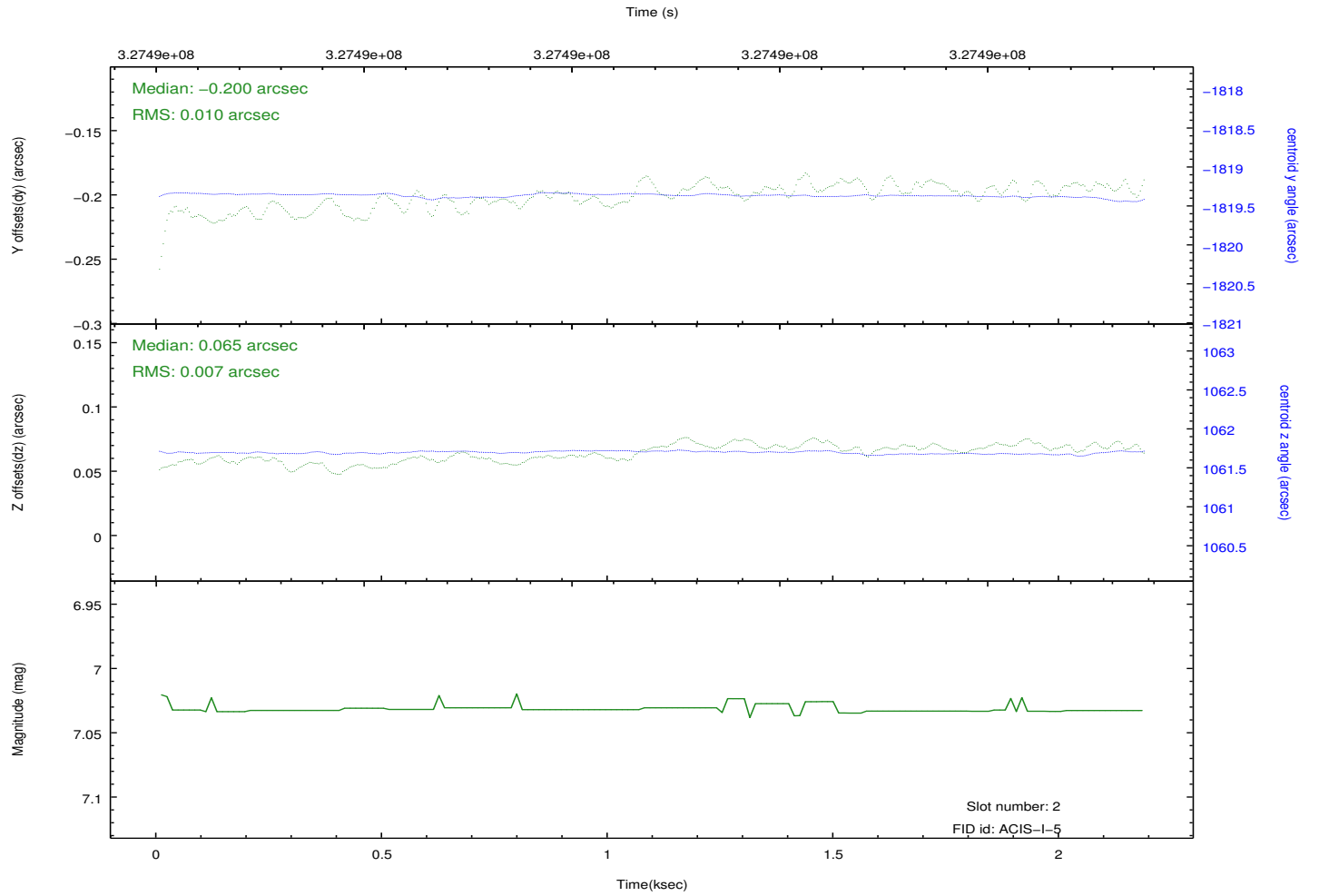
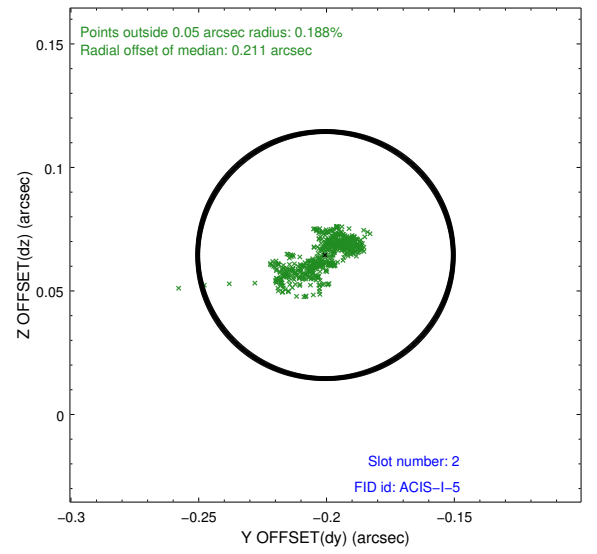
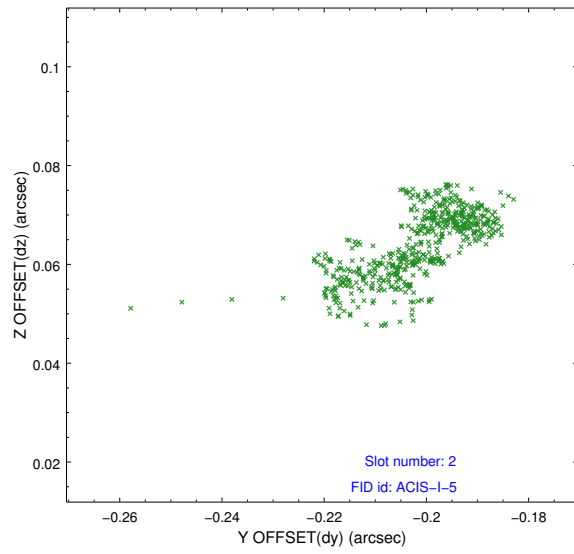
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
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