

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8753 - L2 Version 2
Chandra X-Ray Center

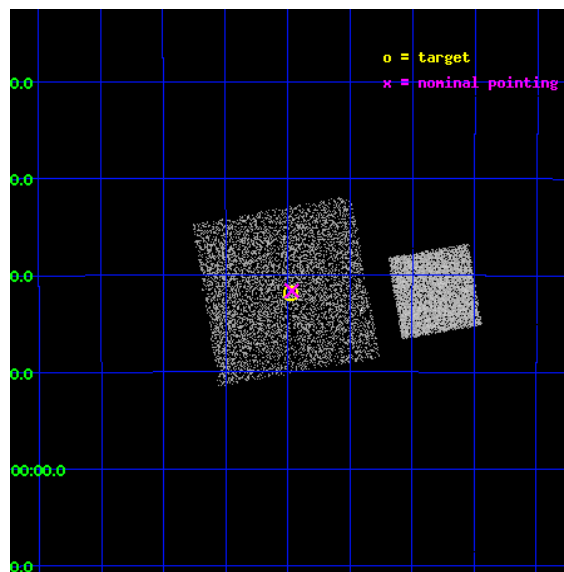
L2 Processing Date : May 14 2012

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1 Front

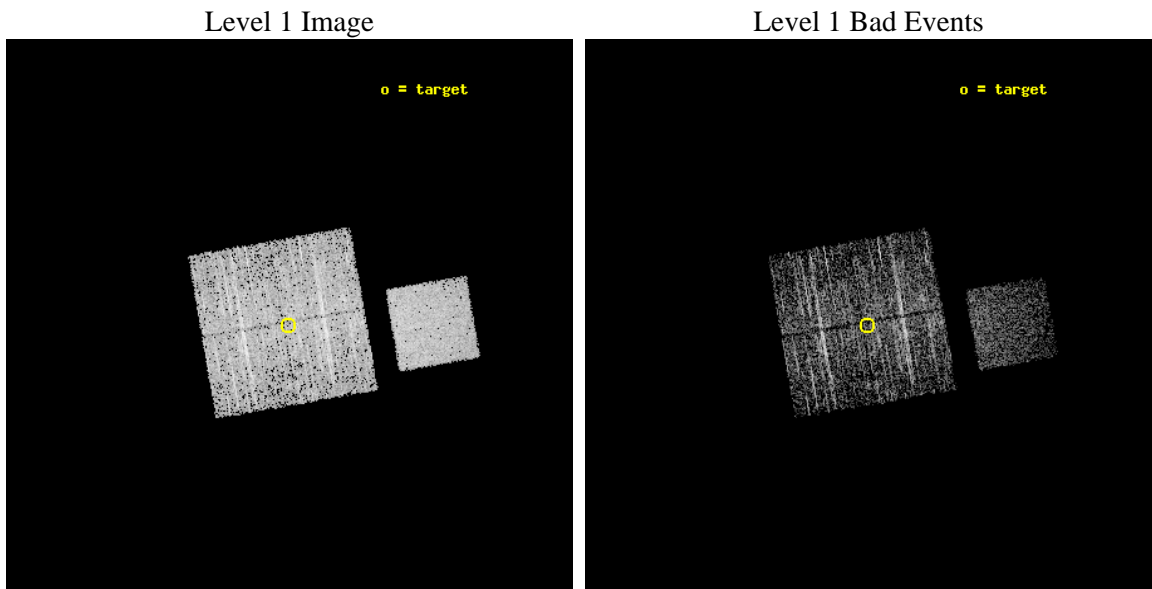
seq_num	400804	Sequence number
obs_id	8753	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.618806	Observer's specified target RA [deg]
dec_targ	-29.698523	Observer's specified target Dec [deg]
ra_nom	267.61681872838	Nominal RA [deg]
dec_nom	-29.693661949382	Nominal Dec [deg]
roll_nom	80.207709263135	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	17065	Number of level 2 events



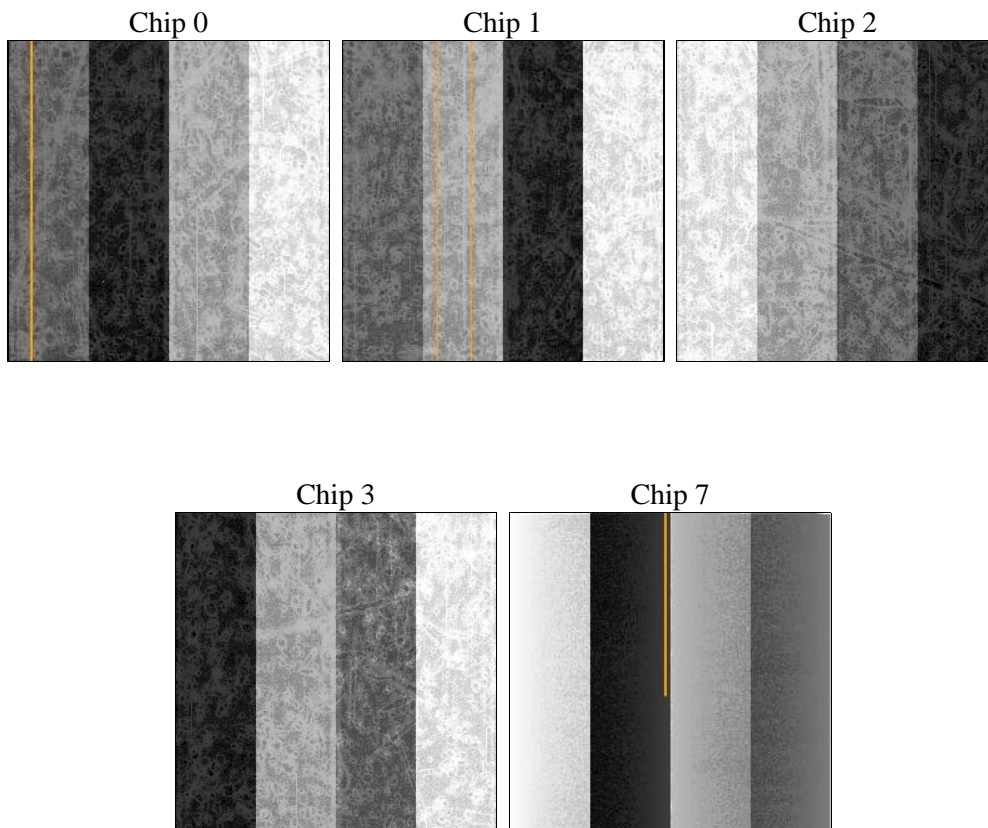
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-14T20:46:10	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	102842	Number of level 1 events

2.1.4 Events

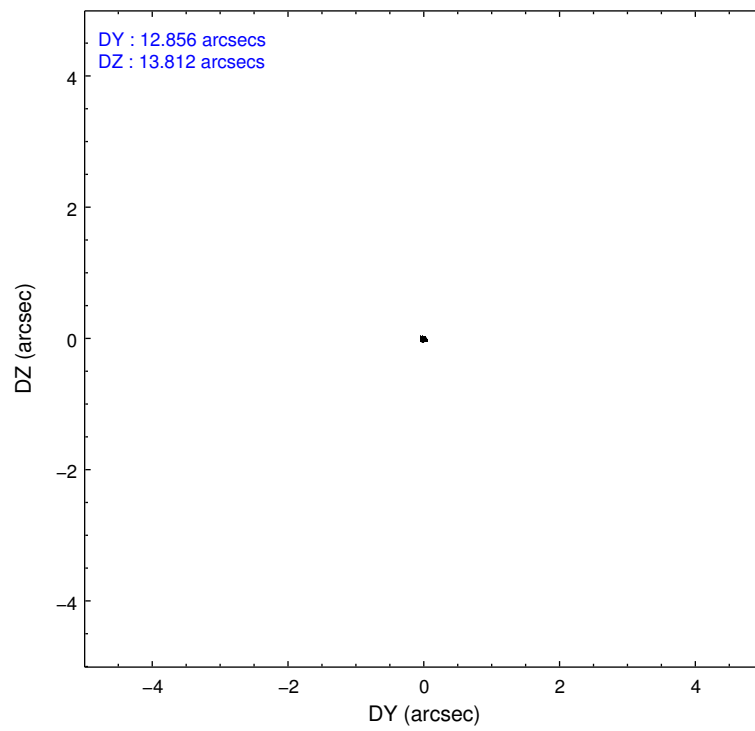
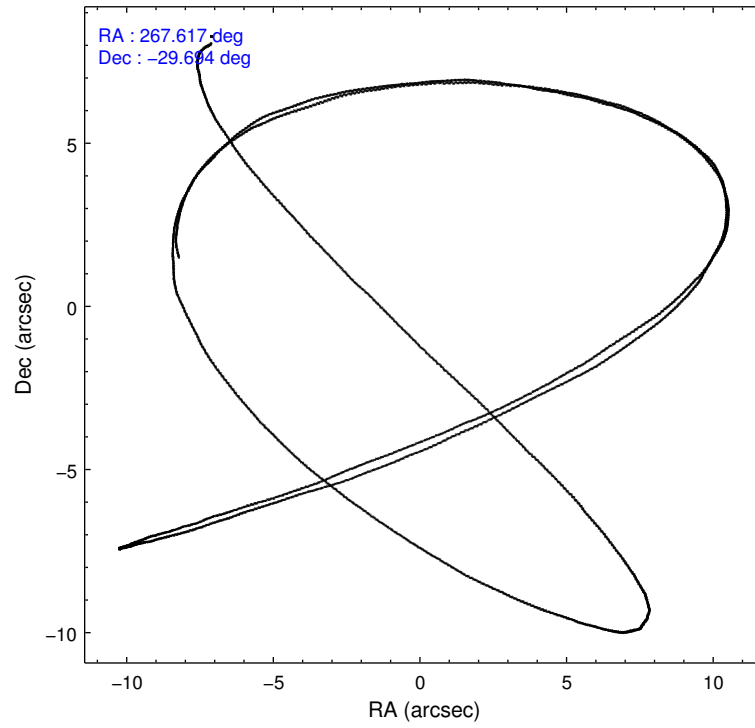
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19849	19061	20541	20831	22560
rejected events	17248	16618	18078	18688	13425
rejected %	86%	87%	88%	89%	59%

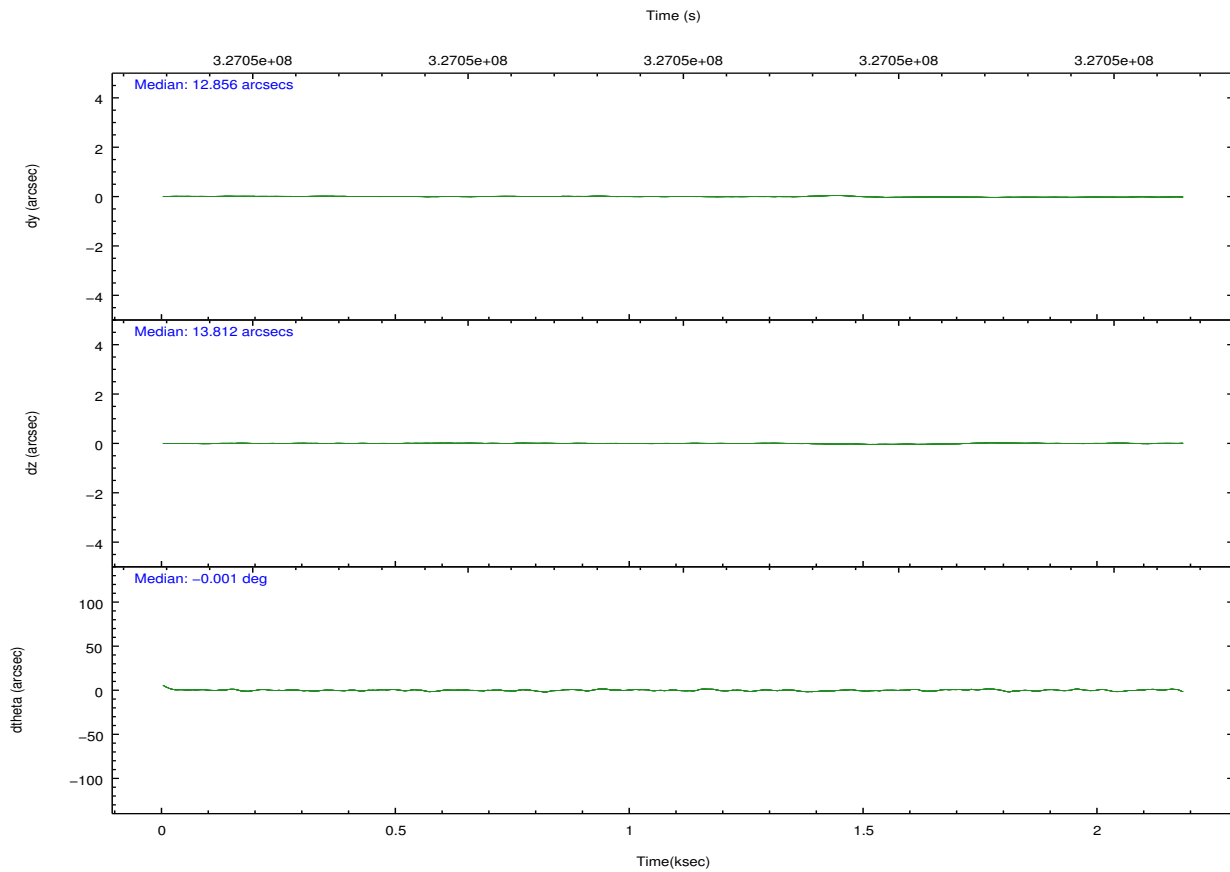
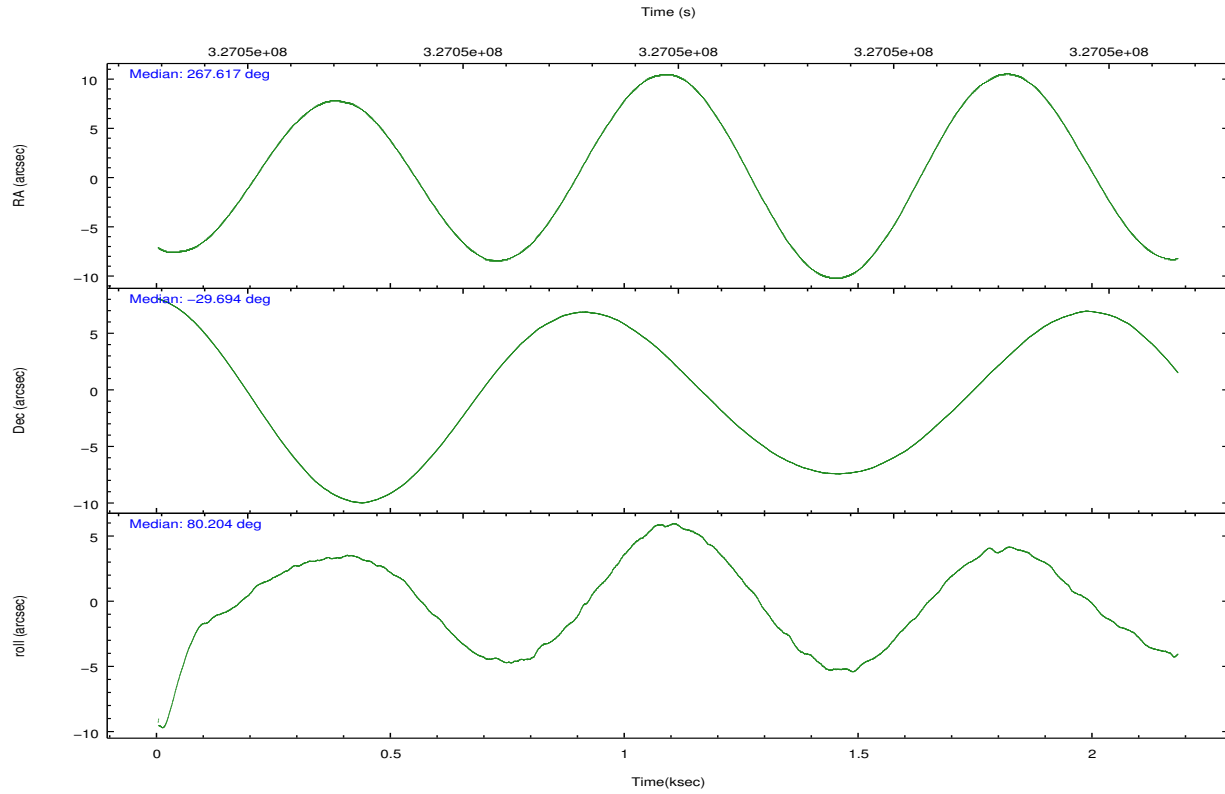
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1500	1278	1438	1124	1083
	7%	6%	7%	5%	4%
grade 1 events	10	9	22	13	30
	0%	0%	0%	0%	0%
grade 2 events	575	595	565	480	2225
	2%	3%	2%	2%	9%
grade 3 events	231	265	215	223	910
	1%	1%	1%	1%	4%
grade 4 events	261	257	244	236	975
	1%	1%	1%	1%	4%
grade 5 events	700	766	654	799	2321
	3%	4%	3%	3%	10%
grade 6 events	393	428	378	410	5386
	1%	2%	1%	1%	23%
grade 7 events	16179	15463	17025	17546	9630
	81%	81%	82%	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	267.627985	267.6168187283767	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.719558	-29.6936619493823	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004555	80.20770926313493	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)	327046072.184000	327045695.48736	CCD S5 on	N	N
Observation start date	2008-05-13T06:06:47	2008-05-13T06:01:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327048072.184000	327048205.71248	On-chip summing requested	N	N
Observation end date	2008-05-13T06:40:07	2008-05-13T06:43:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



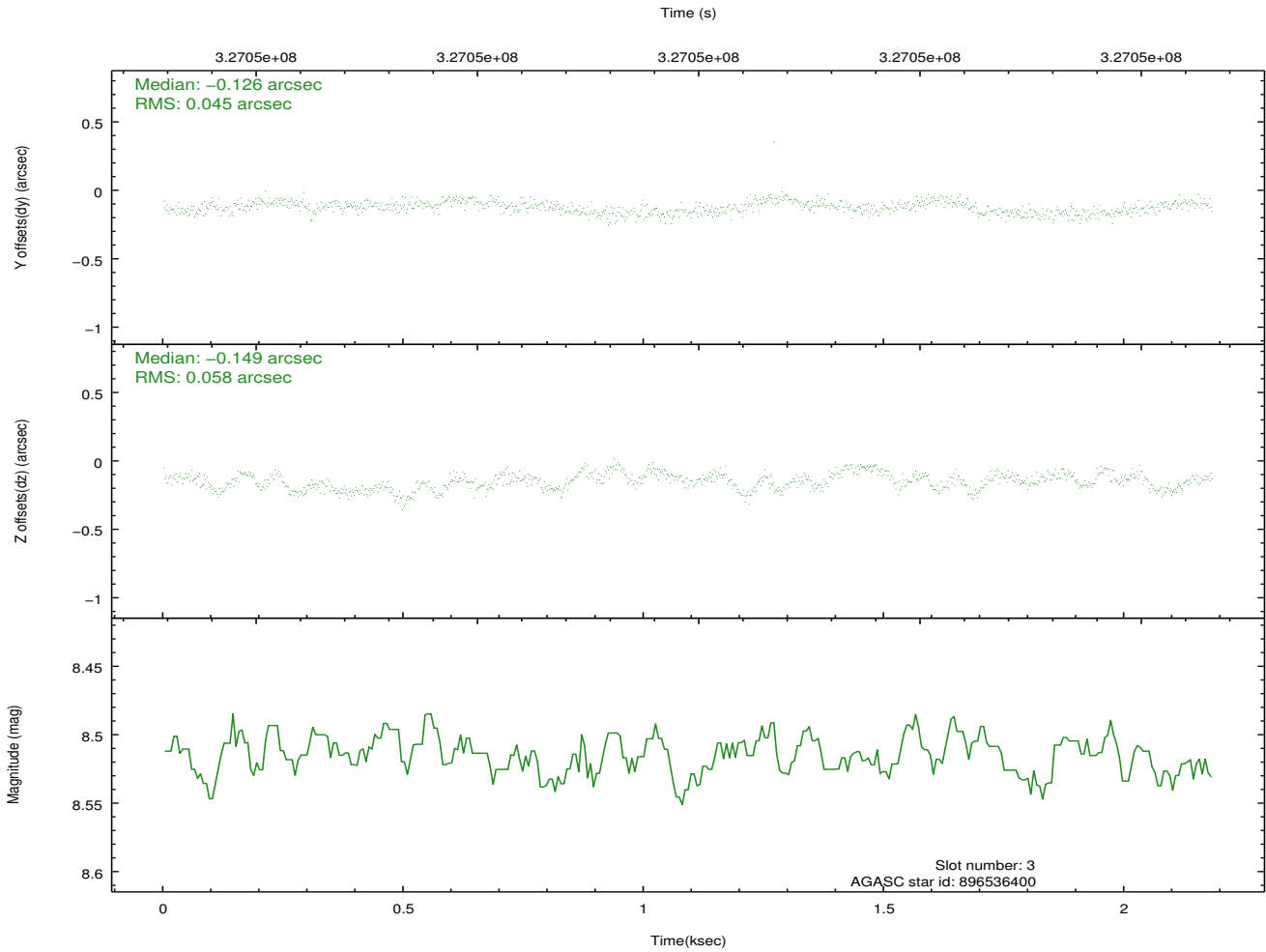
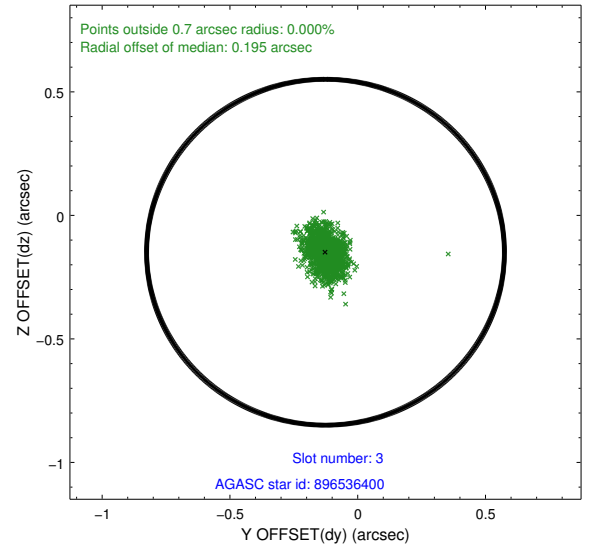
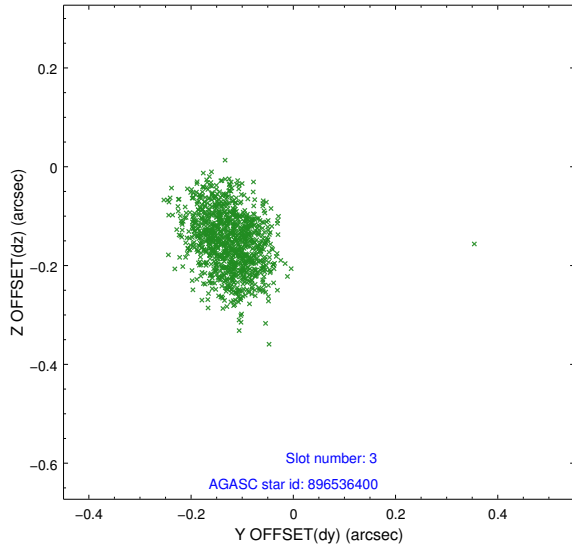


Slot Statistics

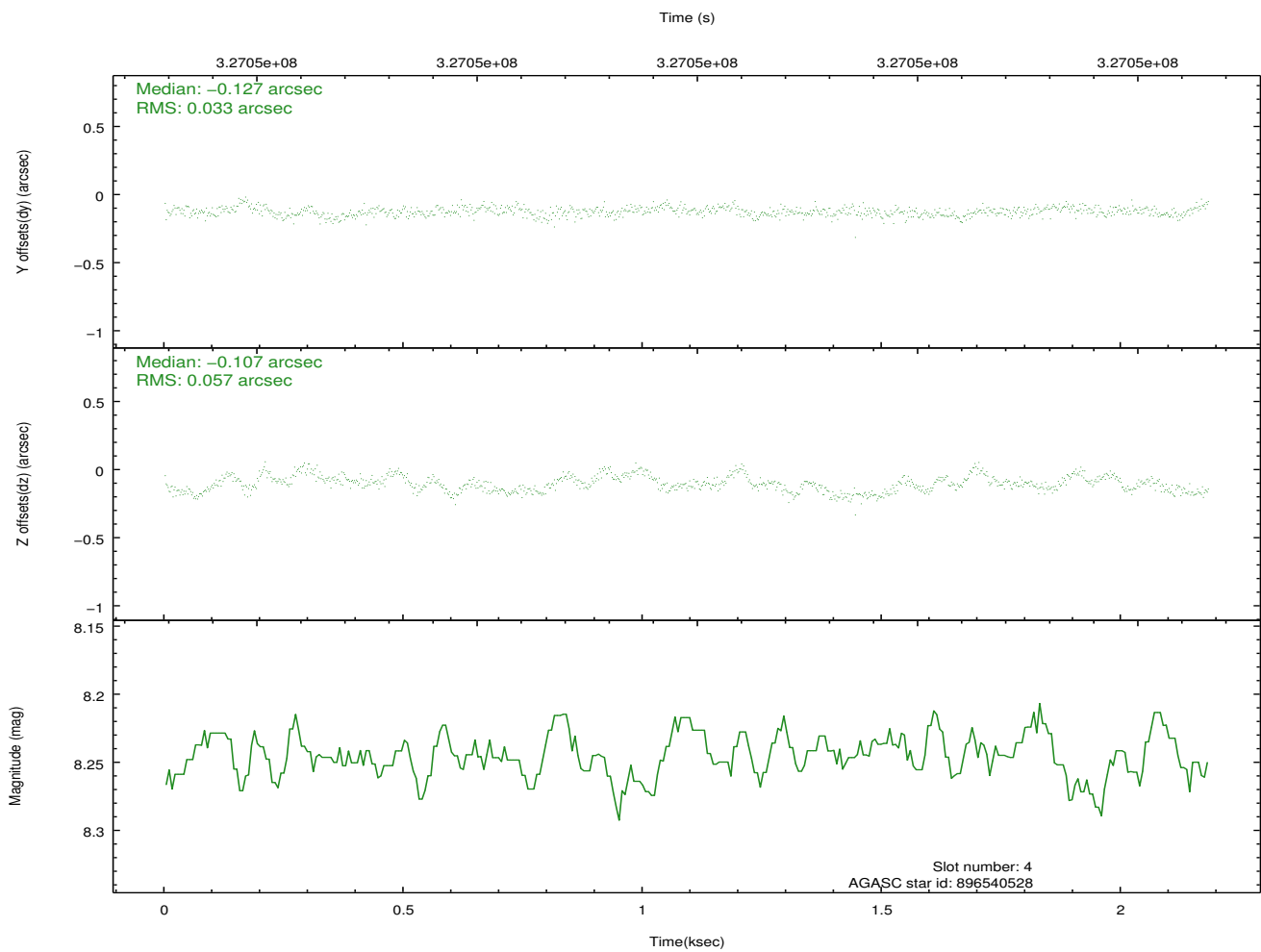
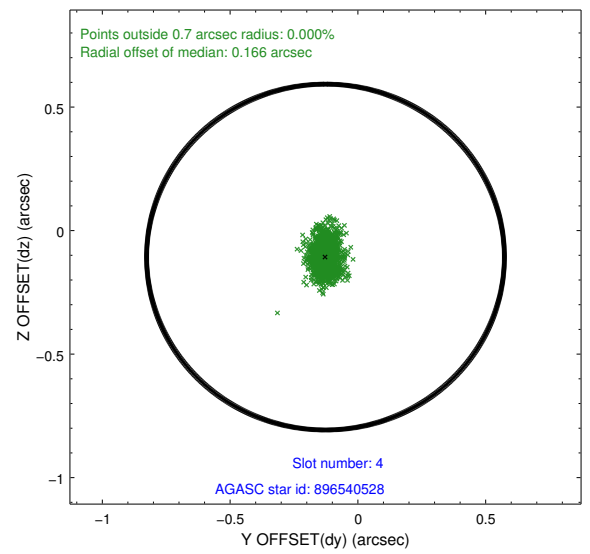
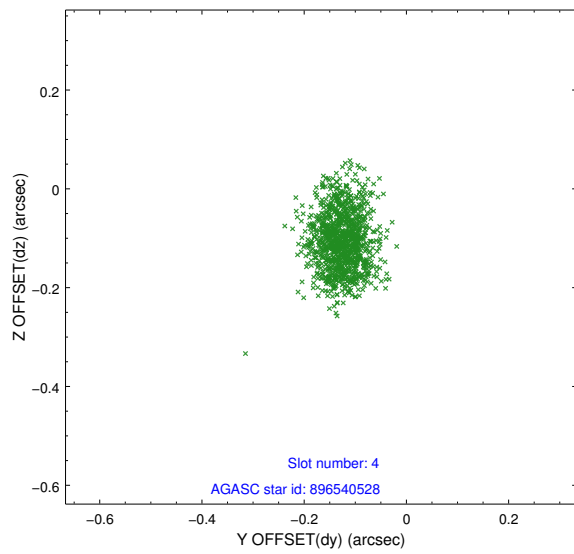
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	532	-0.076	0.033	0.007	0.013	0.000000	0.000000	926.57	-837.36
1	FID	ACIS-I-4	6.97	532	0.076	0.045	0.008	0.015	0.000000	0.000000	2148.47	1060.93
2	FID	ACIS-I-6	7.03	532	-0.097	-0.012	0.008	0.016	0.000000	0.000000	396.36	1706.49
3	GUIDE	896536400	8.51	1065	-0.126	-0.149	0.078	0.122	267.359146	-29.438655	848.20	1005.07
4	GUIDE	896540528	8.25	1065	-0.127	-0.107	0.071	0.115	267.368305	-29.314773	1293.02	1055.84
5	GUIDE	898248800	8.22	1065	0.144	0.176	0.062	0.099	267.977609	-29.931731	-563.35	-1206.22
6	GUIDE	898250872	7.01	1065	-0.142	0.208	0.056	0.090	268.026303	-29.632040	523.68	-1174.33
7	GUIDE	966926496	8.10	1063	0.250	-0.128	0.059	0.098	267.109389	-30.299474	-2339.15	1223.19

2.4 Star Slots

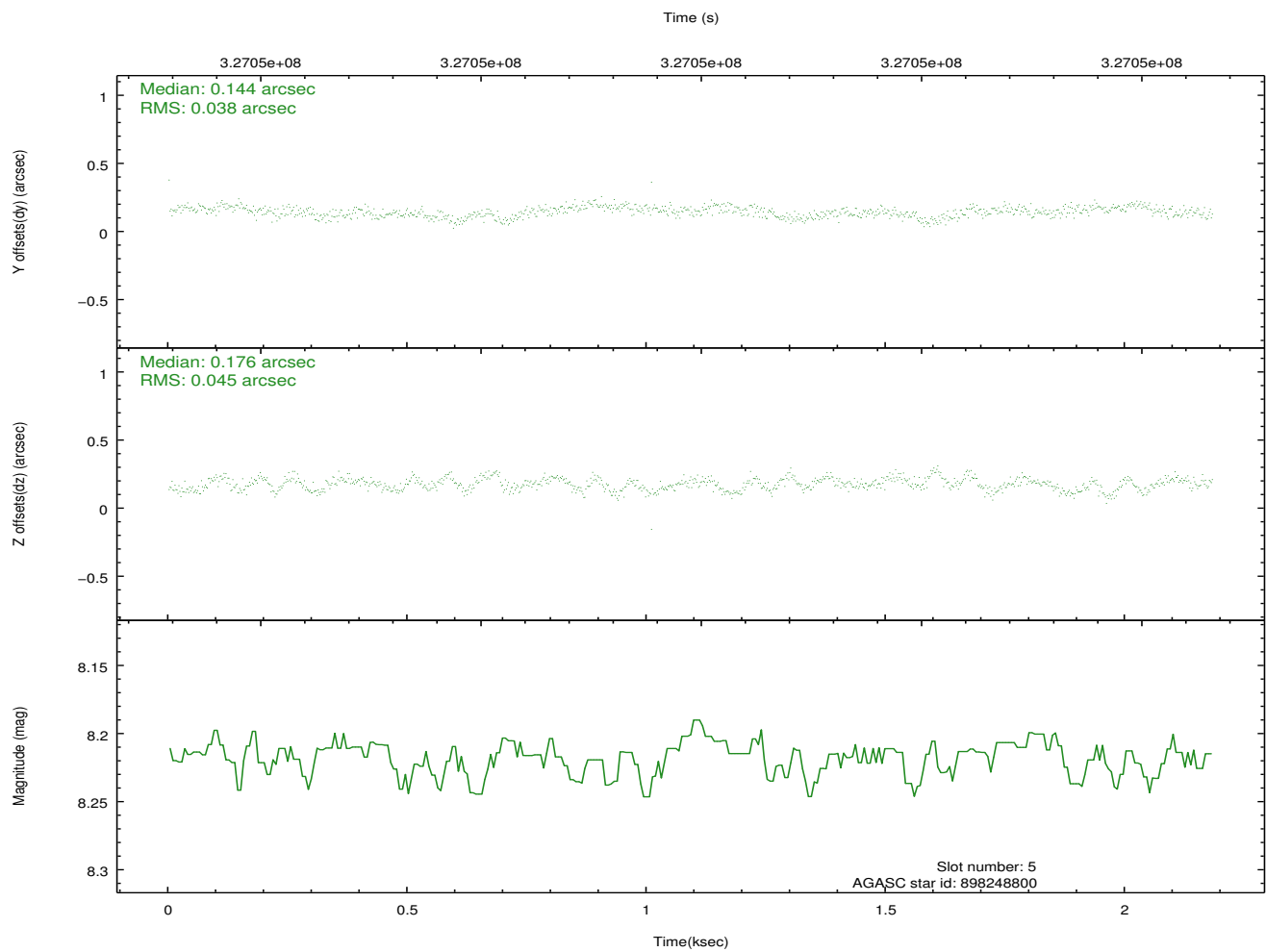
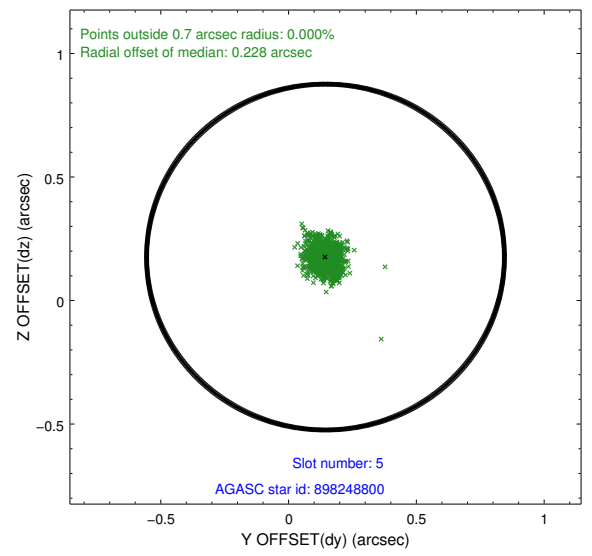
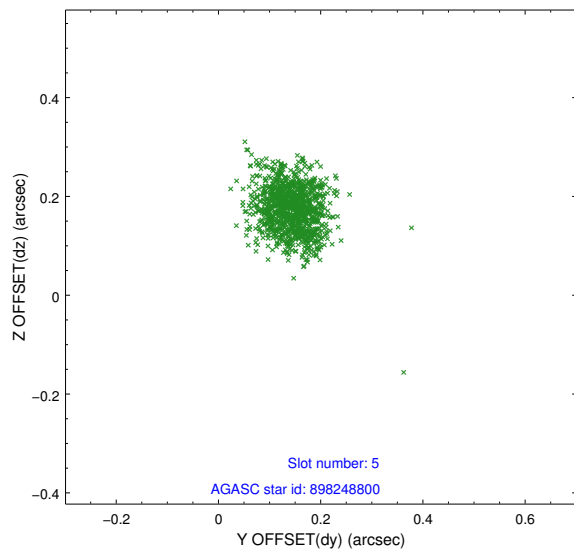
2.4.1 Slot 3



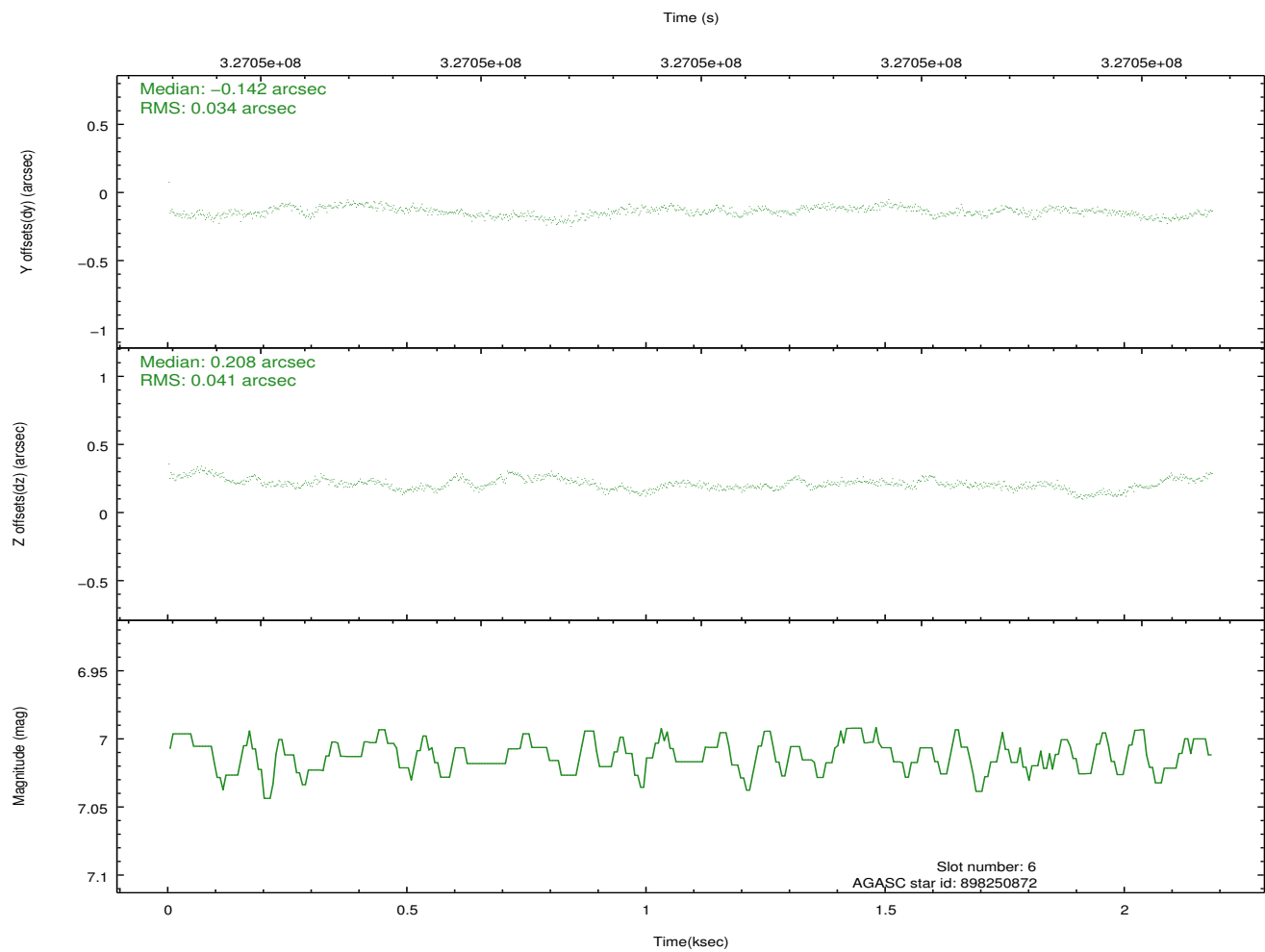
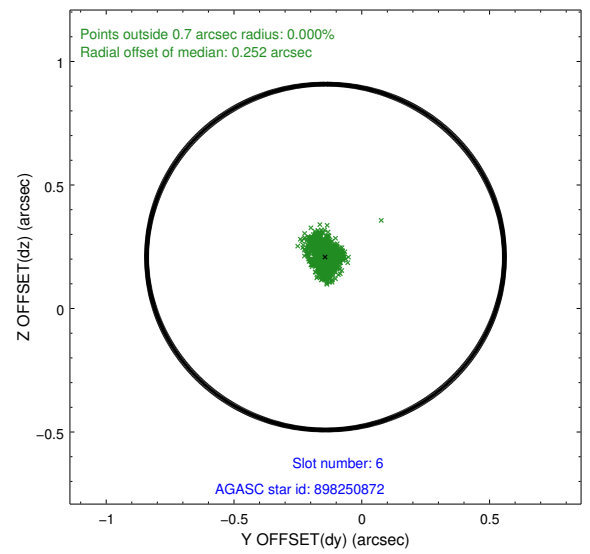
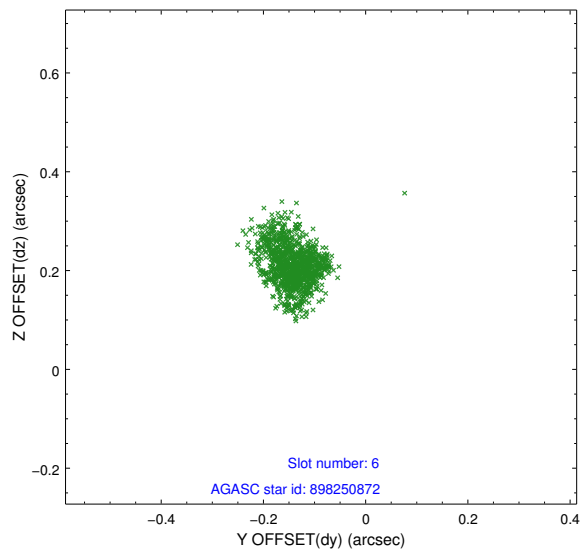
2.4.2 Slot 4



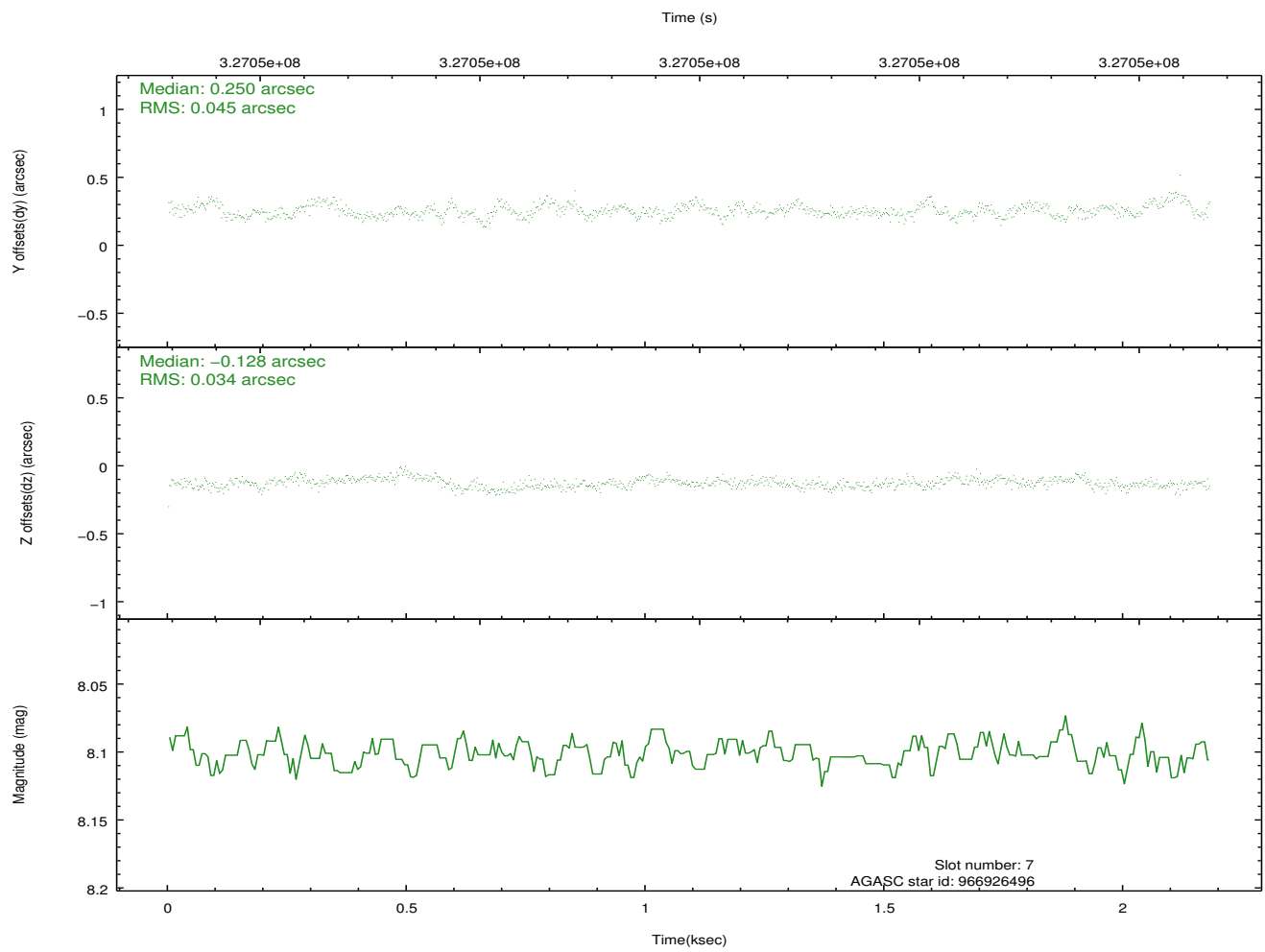
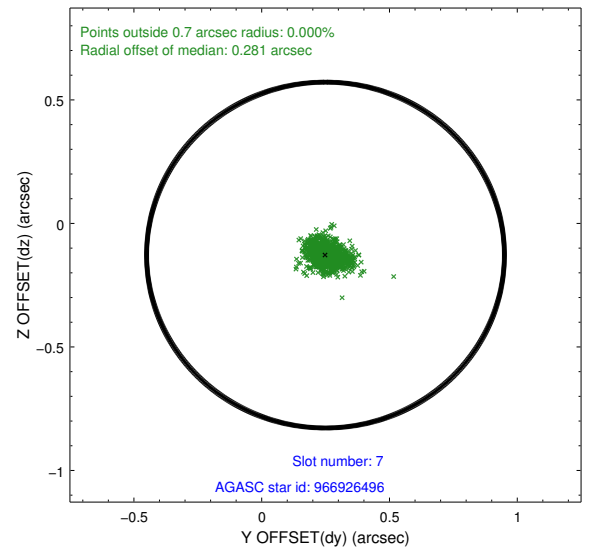
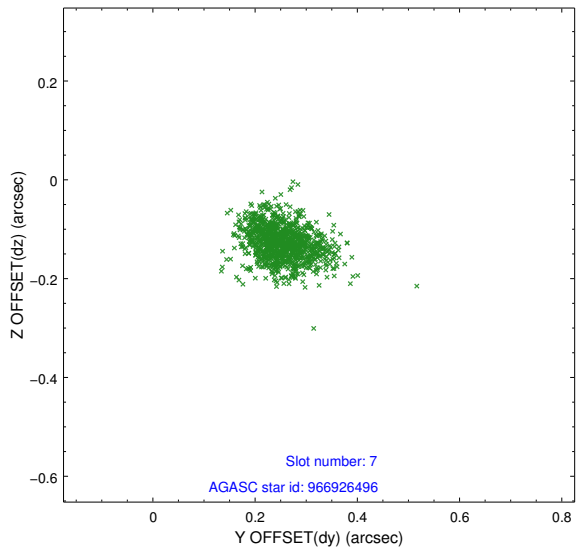
2.4.3 Slot 5



2.4.4 Slot 6

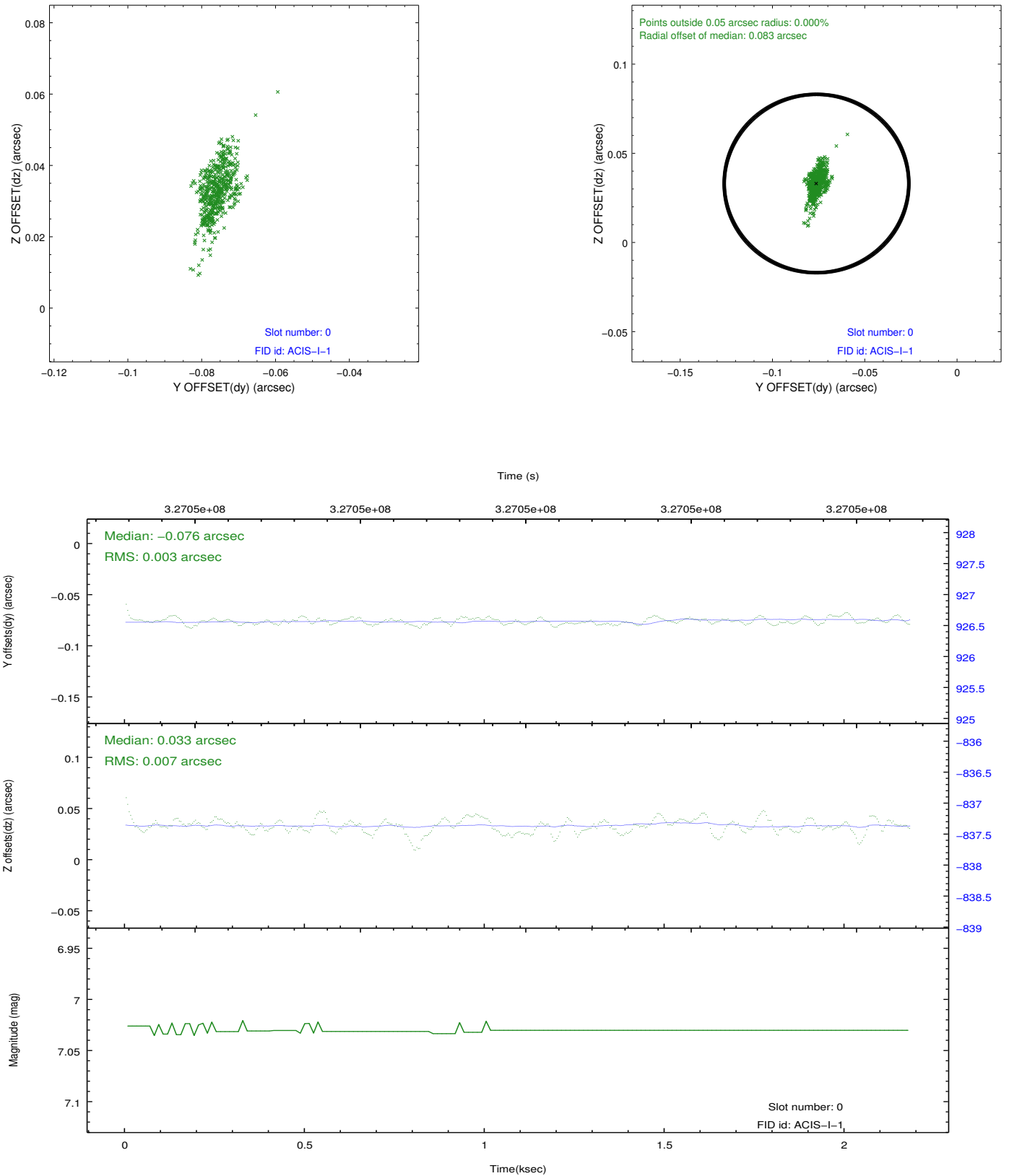


2.4.5 Slot 7

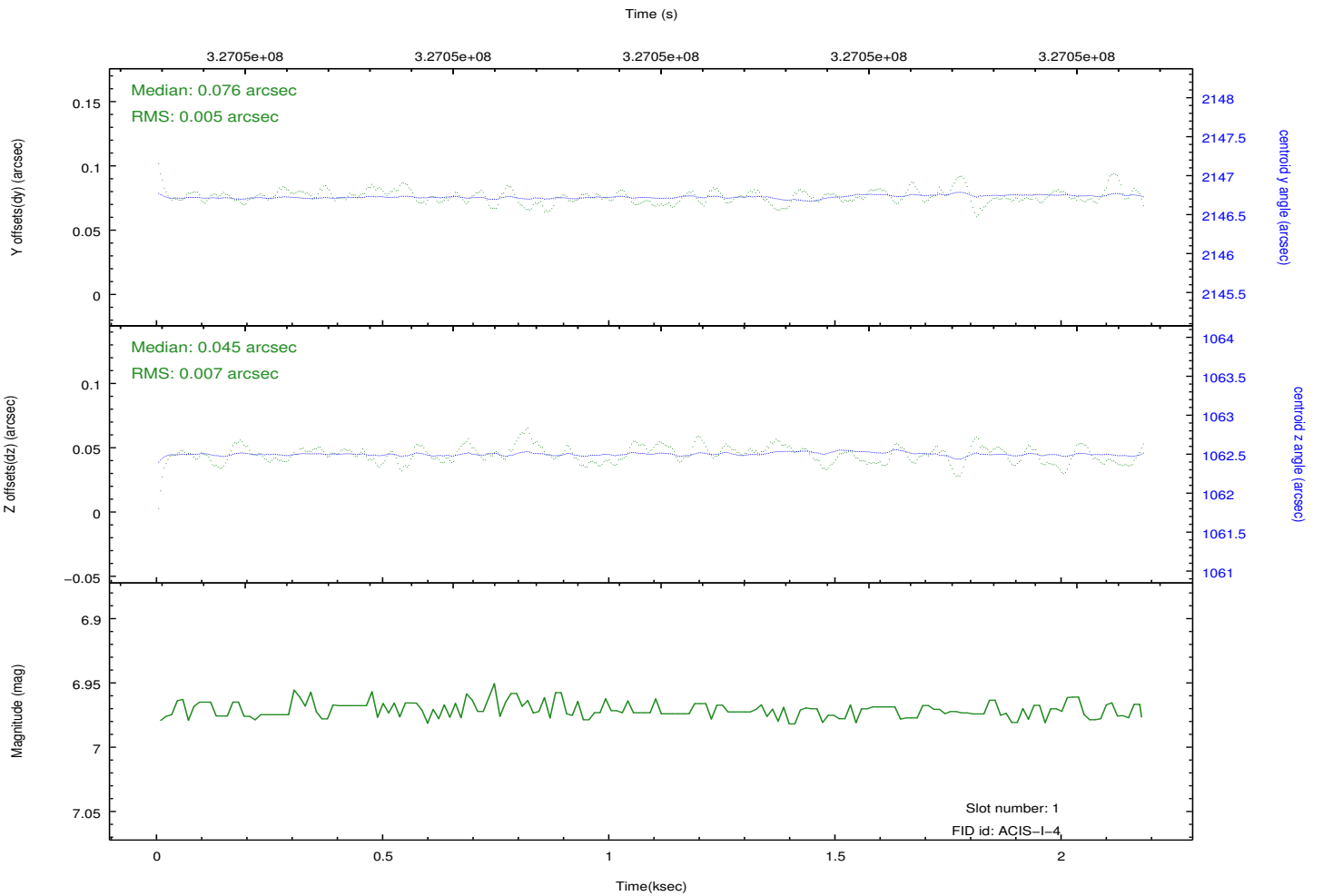
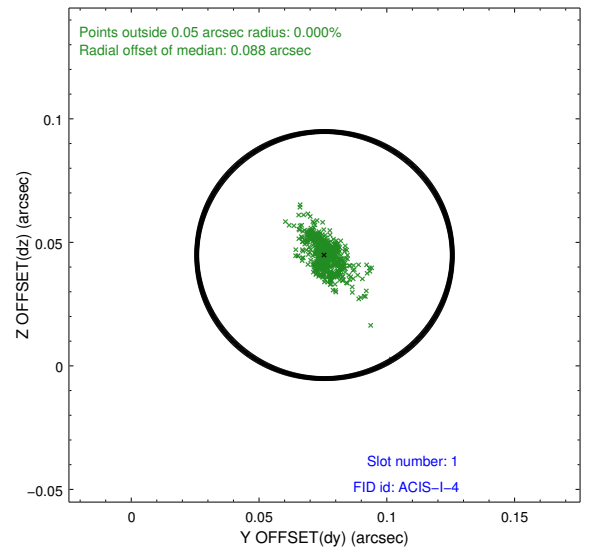
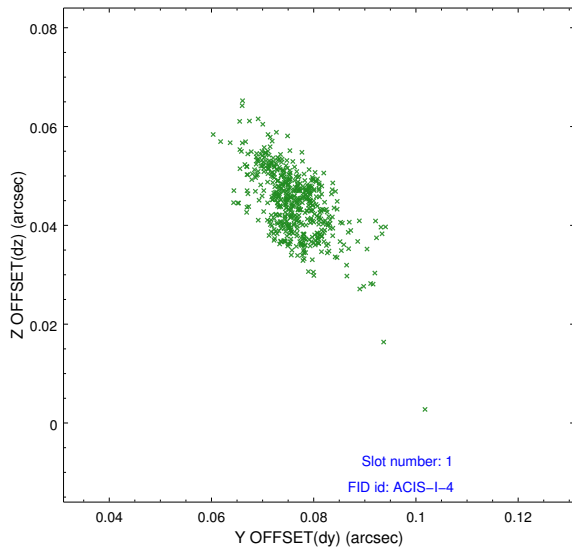


2.5 FID Slots

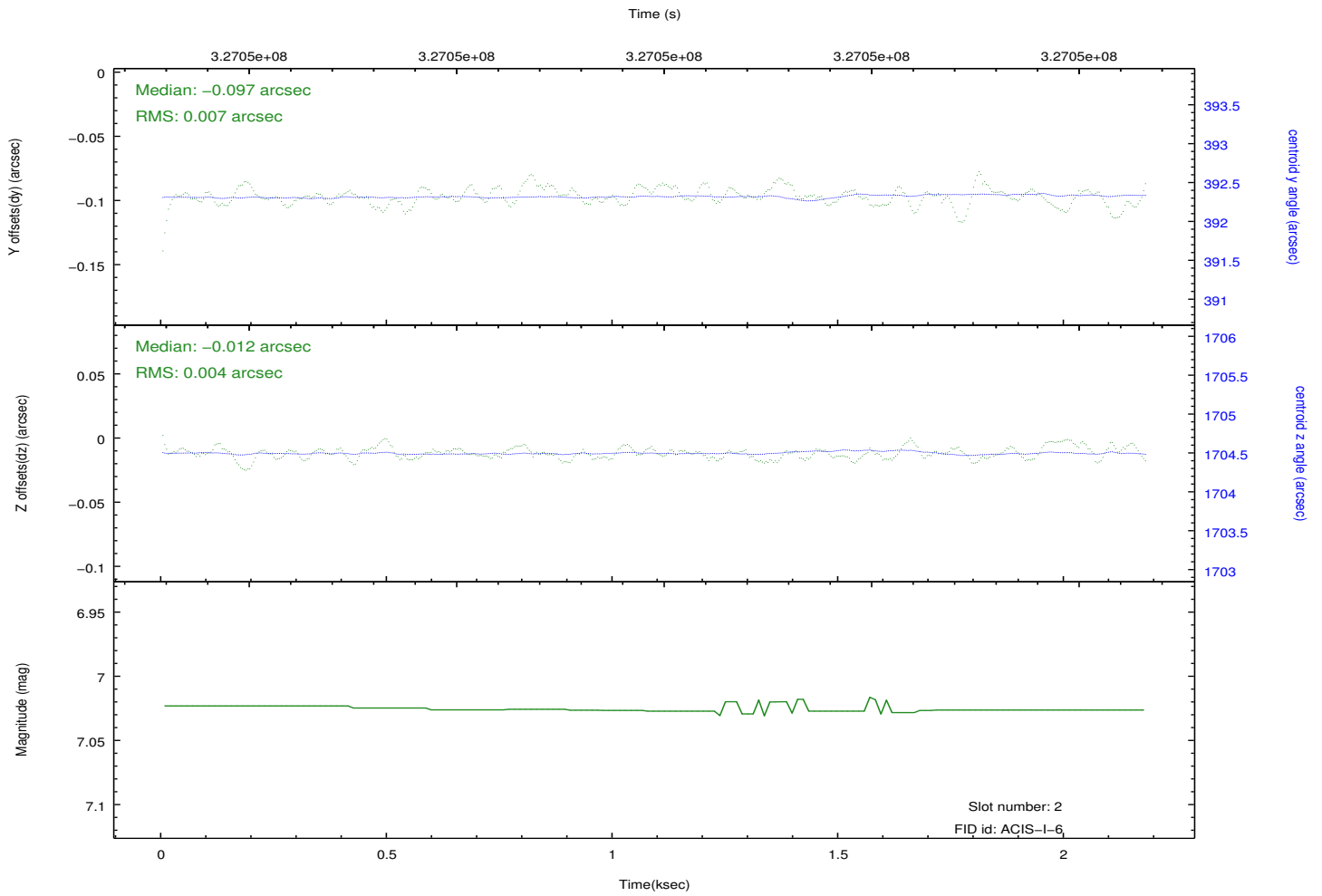
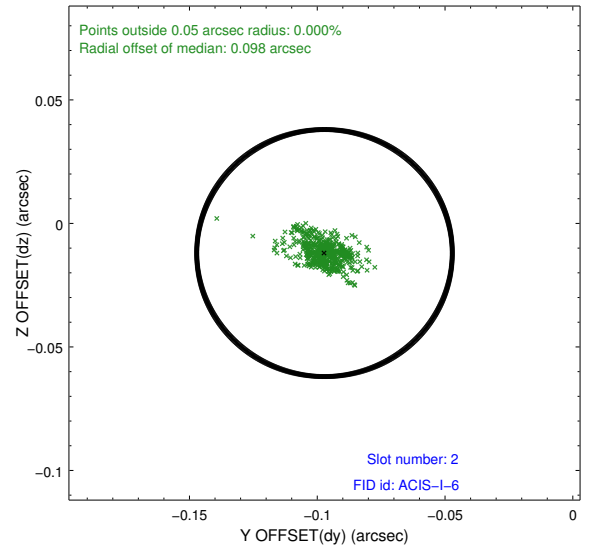
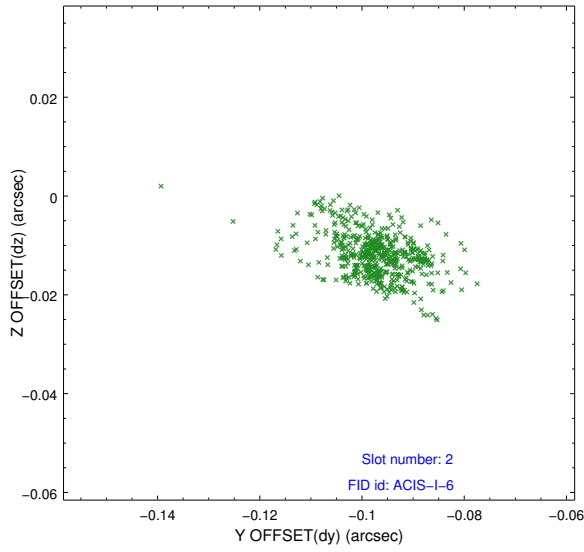
2.5.1 Slot 0



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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments

Joint proposal with NOAO.