

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8759 - L2 Version 2
Chandra X-Ray Center

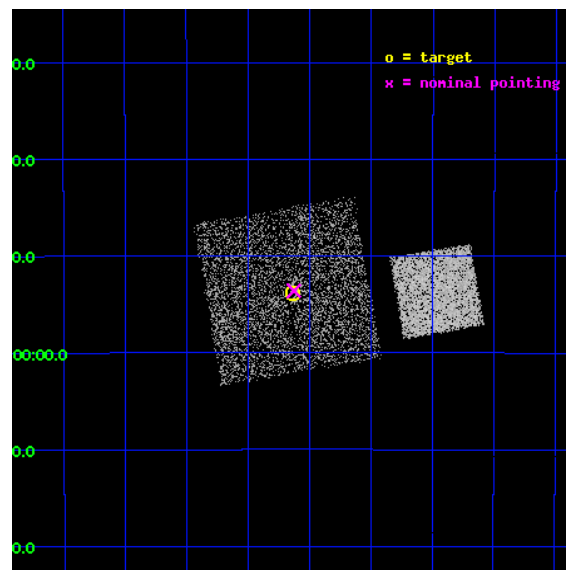
L2 Processing Date : May 14 2012

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1 Front

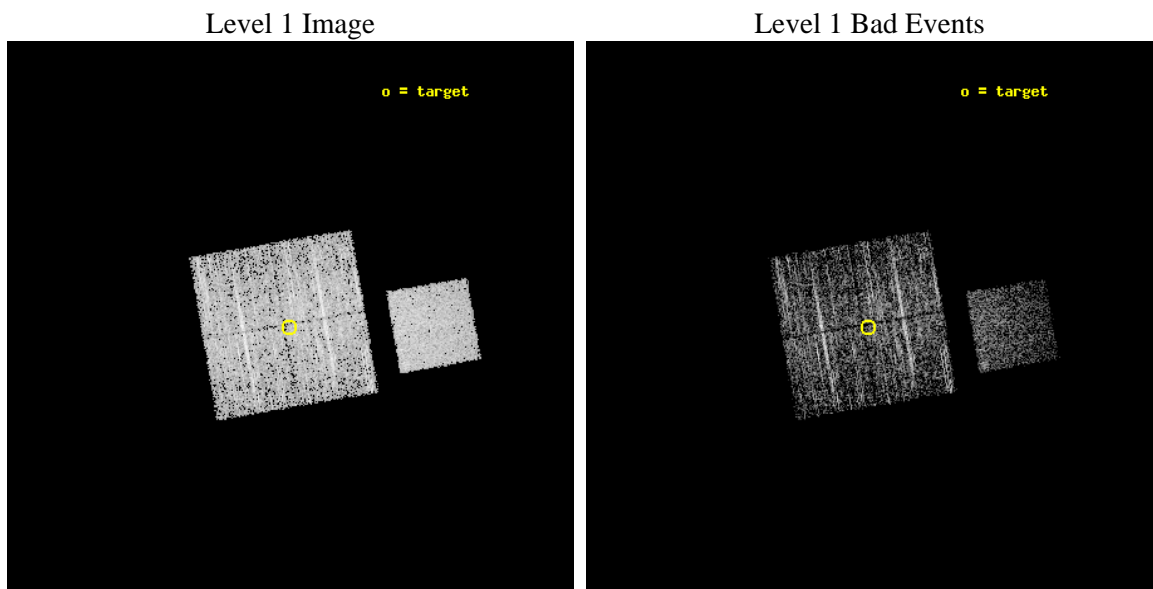
seq_num	400810	Sequence number
obs_id	8759	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.783899	Observer's specified target RA [deg]
dec_targ	-30.898266	Observer's specified target Dec [deg]
ra_nom	266.78195151608	Nominal RA [deg]
dec_nom	-30.893469599863	Nominal Dec [deg]
roll_nom	80.207703254925	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2179.2590164542	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	15194	Number of level 2 events



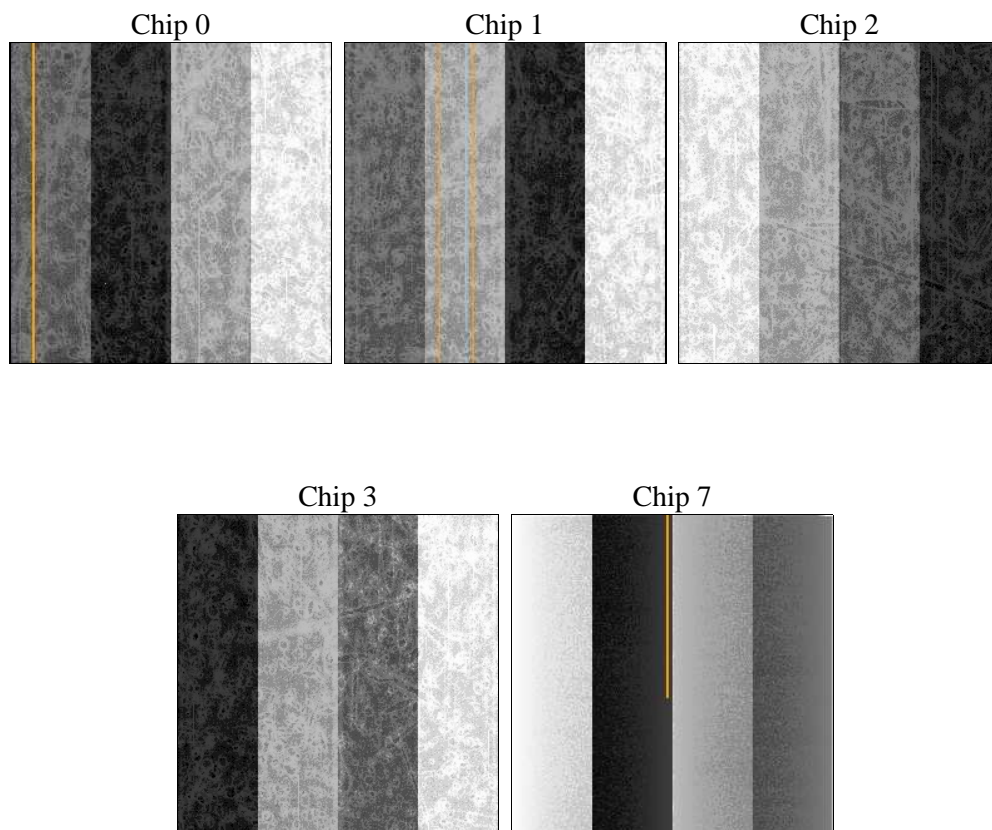
2 OBI

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	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.2590164542	Sum of GTIs [s]
date	2012-05-14T20:45:36	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	98086	Number of level 1 events

2.1.4 Events

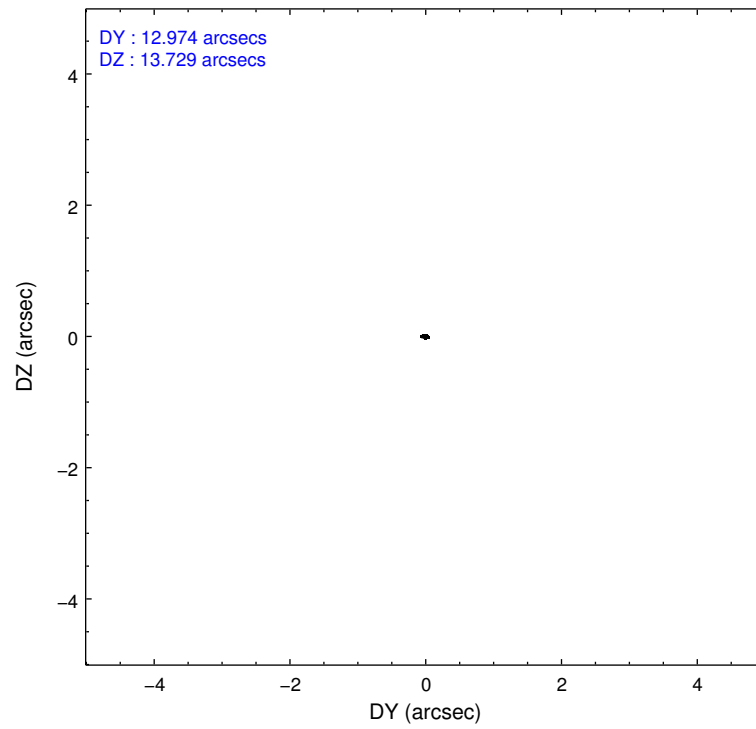
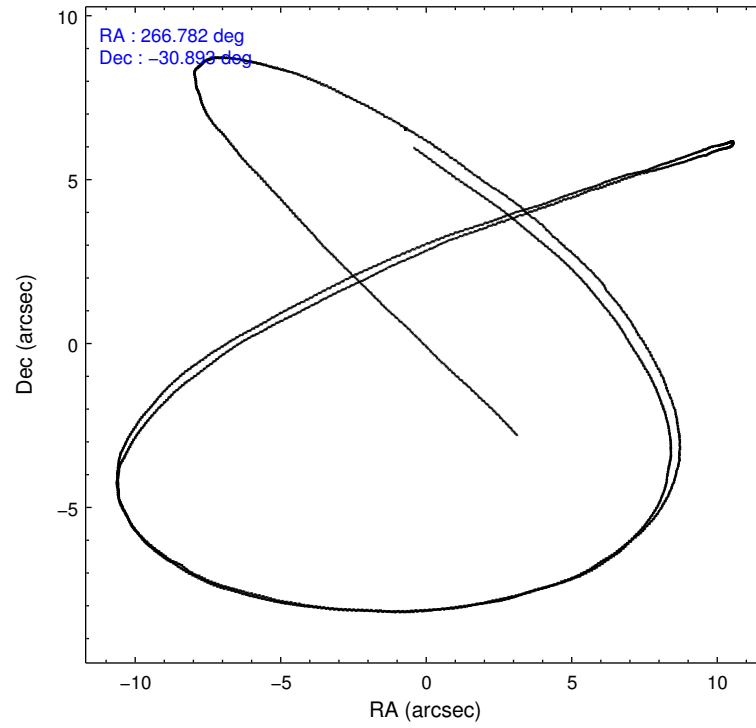
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17932	18223	20195	19303	22433
rejected events	16014	16095	18265	17447	13520
rejected %	89%	88%	90%	90%	60%

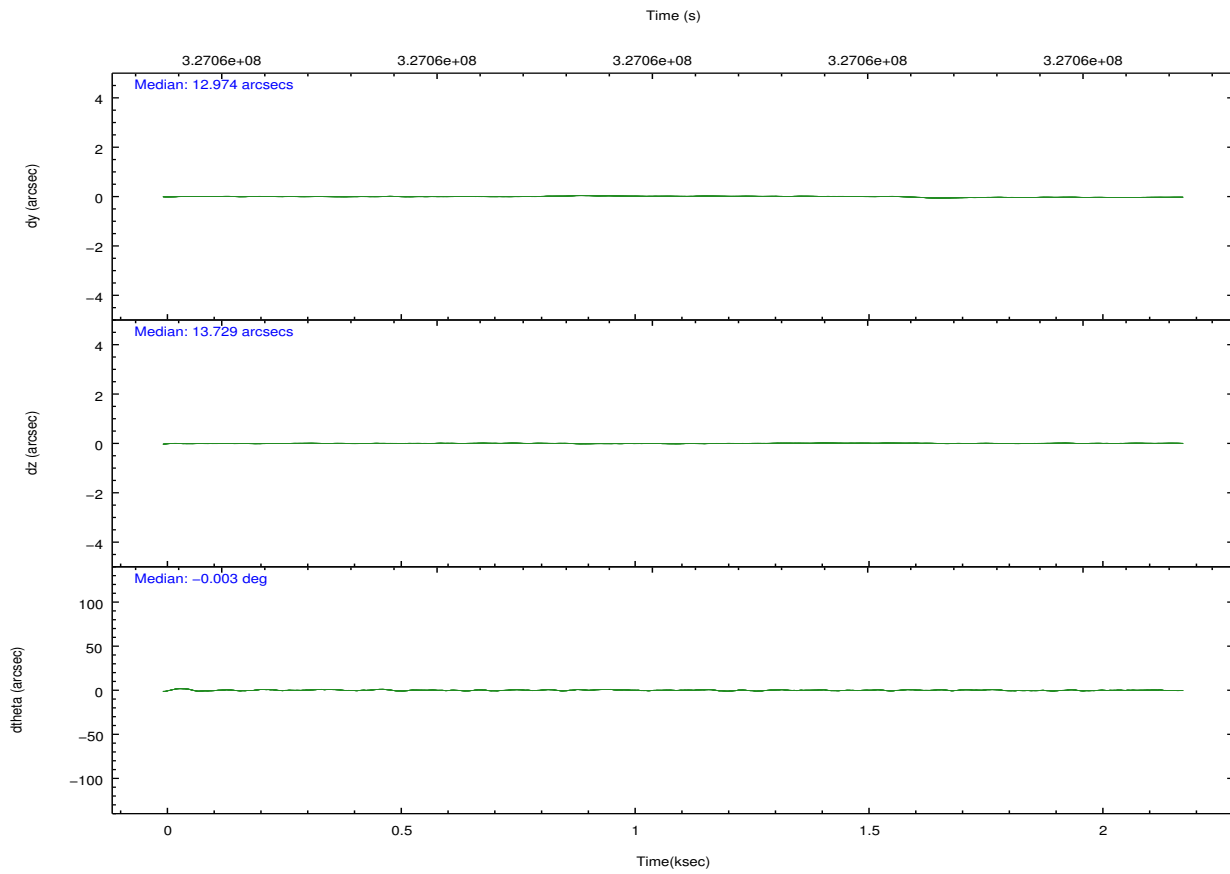
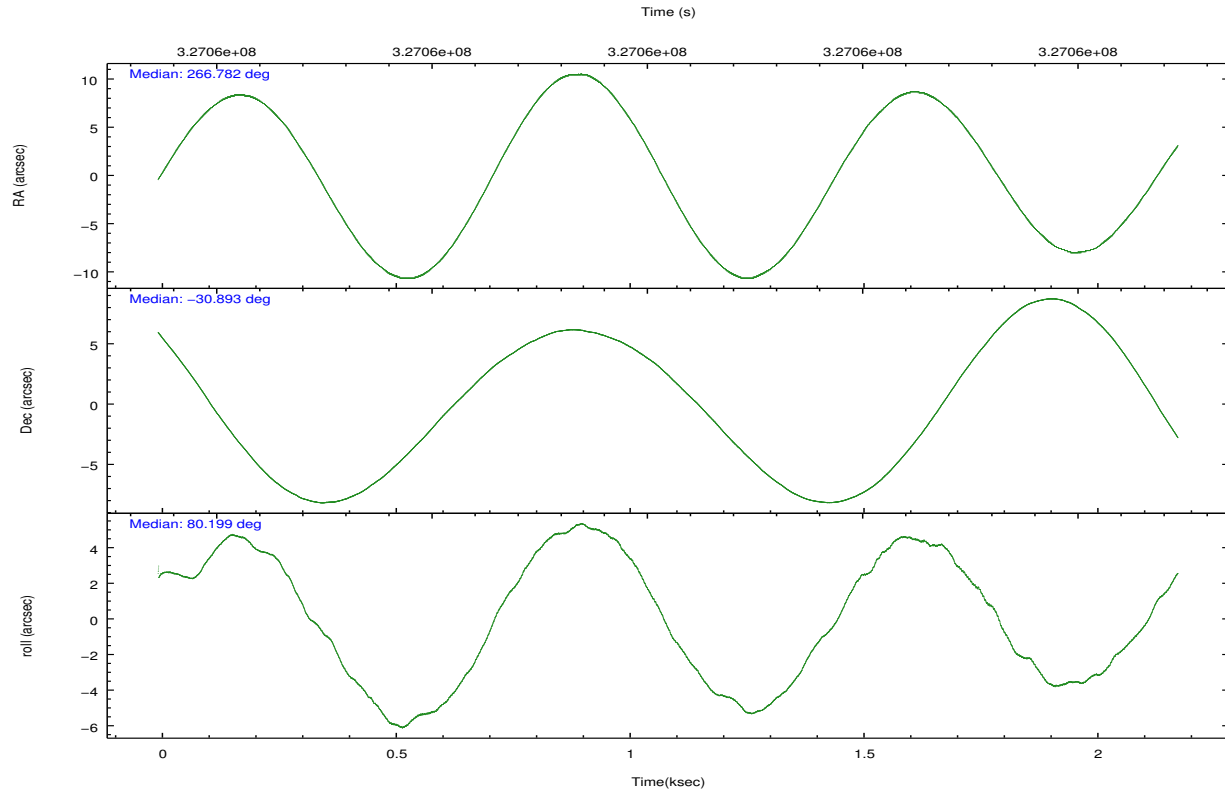
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	876	1002	937	853	966
	4%	5%	4%	4%	4%
grade 1 events	12	14	10	10	40
	0%	0%	0%	0%	0%
grade 2 events	514	522	507	451	2159
	2%	2%	2%	2%	9%
grade 3 events	213	232	232	232	910
	1%	1%	1%	1%	4%
grade 4 events	228	251	219	218	950
	1%	1%	1%	1%	4%
grade 5 events	698	699	671	888	2315
	3%	3%	3%	4%	10%
grade 6 events	392	445	345	389	5248
	2%	2%	1%	2%	23%
grade 7 events	14999	15058	17274	16262	9845
	83%	82%	85%	84%	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	266.793188	266.7819515160788	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.919301	-30.89346959986308	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004782	80.20770325492538	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)	327061132.184000	327060755.81309	CCD S5 on	N	N
Observation start date	2008-05-13T10:17:47	2008-05-13T10:12:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327063132.184000	327063266.03822	On-chip summing requested	N	N
Observation end date	2008-05-13T10:51:07	2008-05-13T10:54:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



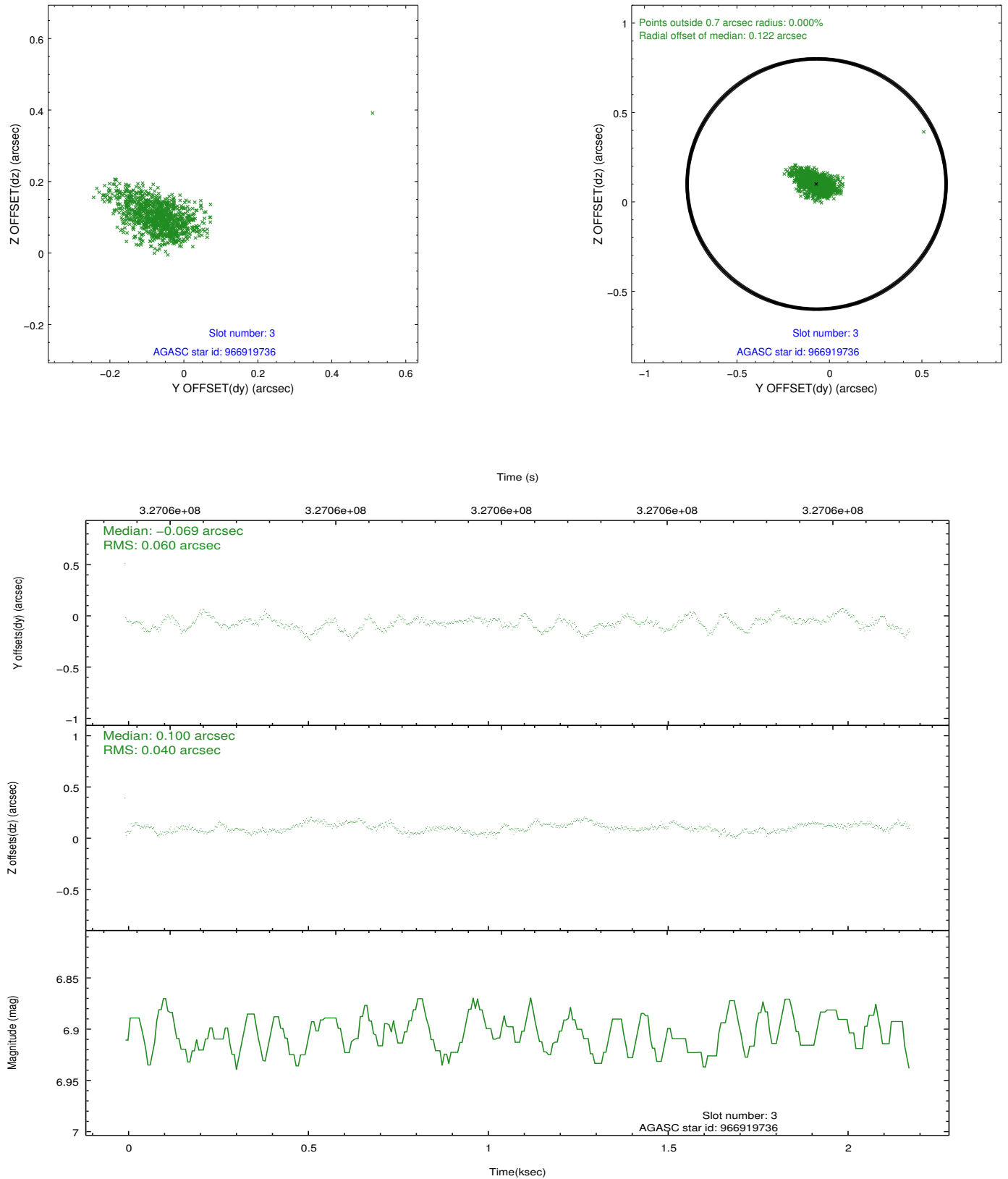


Slot Statistics

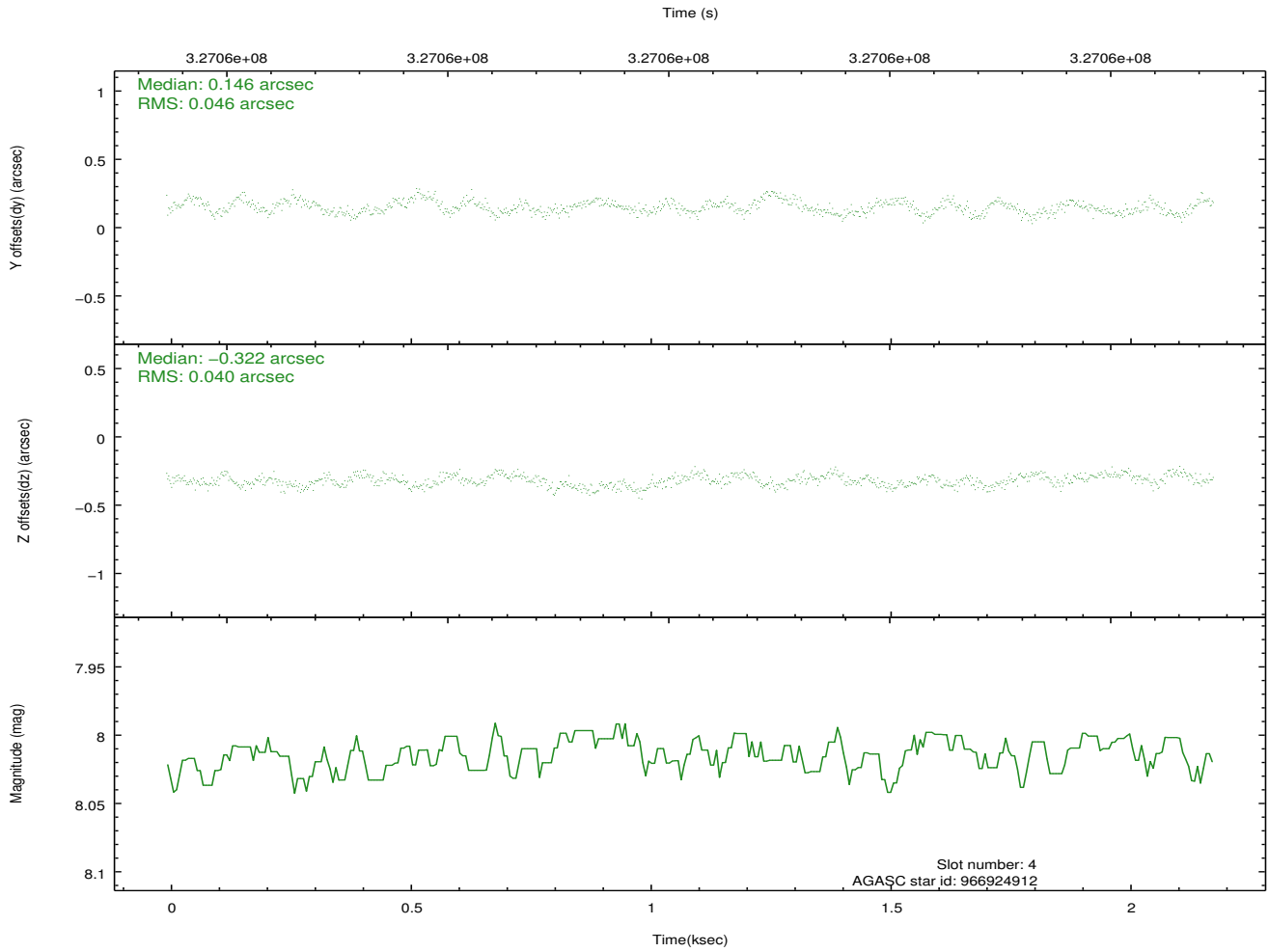
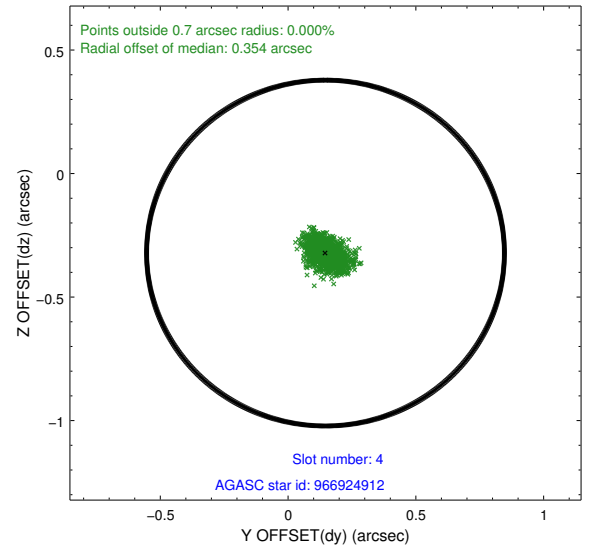
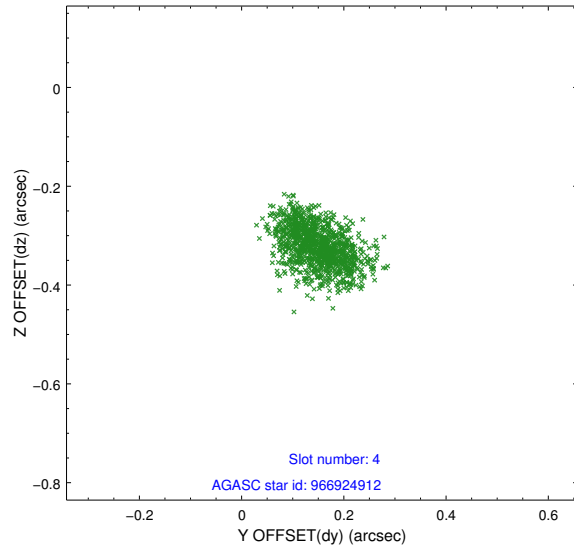
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	532	0.013	0.037	0.005	0.010	0.000000	0.000000	926.57	-837.25
1	FID	ACIS-I-5	7.03	533	-0.177	0.035	0.006	0.010	0.000000	0.000000	-1820.10	1058.72
2	FID	ACIS-I-6	7.04	532	0.073	-0.001	0.006	0.012	0.000000	0.000000	388.89	1706.59
3	GUIDE	966919736	6.90	1065	-0.069	0.100	0.074	0.125	267.322278	-30.597445	1421.72	-1414.31
4	GUIDE	966924912	8.01	1065	0.146	-0.322	0.065	0.105	266.020014	-31.275150	-1681.58	2117.35
5	GUIDE	966926880	8.69	1061	0.183	-0.161	0.071	0.117	265.970408	-31.411350	-2194.30	2182.21
6	GUIDE	966920512	8.39	1065	-0.072	0.115	0.120	0.174	267.231170	-30.494681	1736.64	-1070.61
7	GUIDE	966918400	7.35	1064	-0.172	0.261	0.073	0.126	267.537101	-30.960086	248.24	-2289.03

2.4 Star Slots

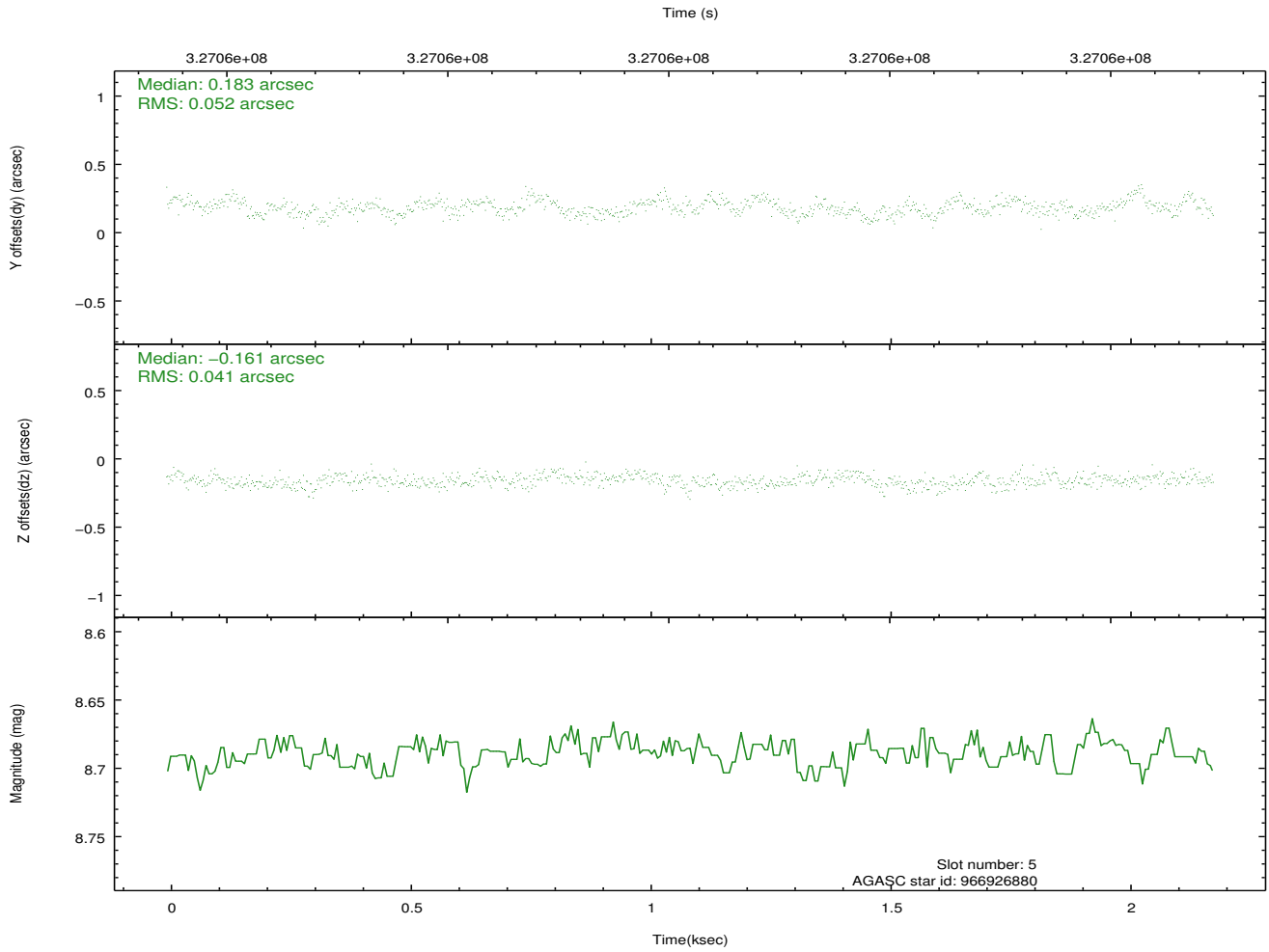
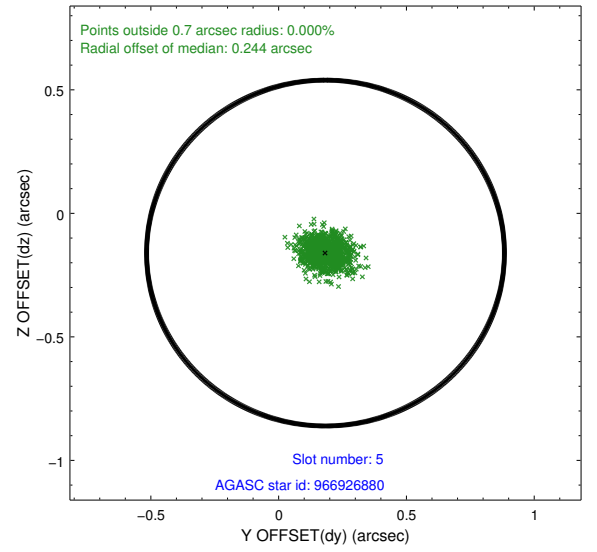
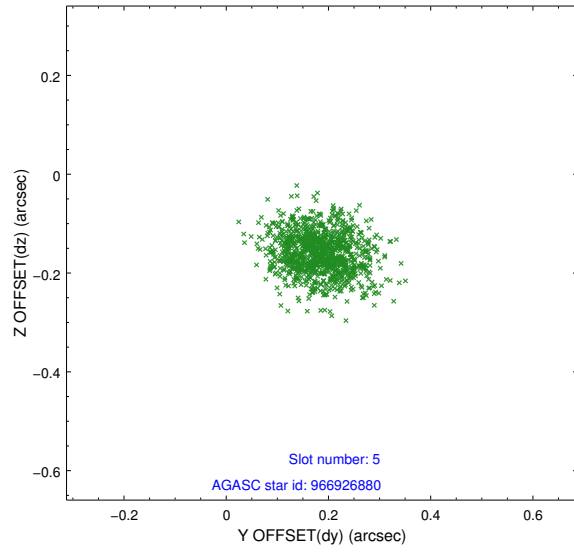
2.4.1 Slot 3



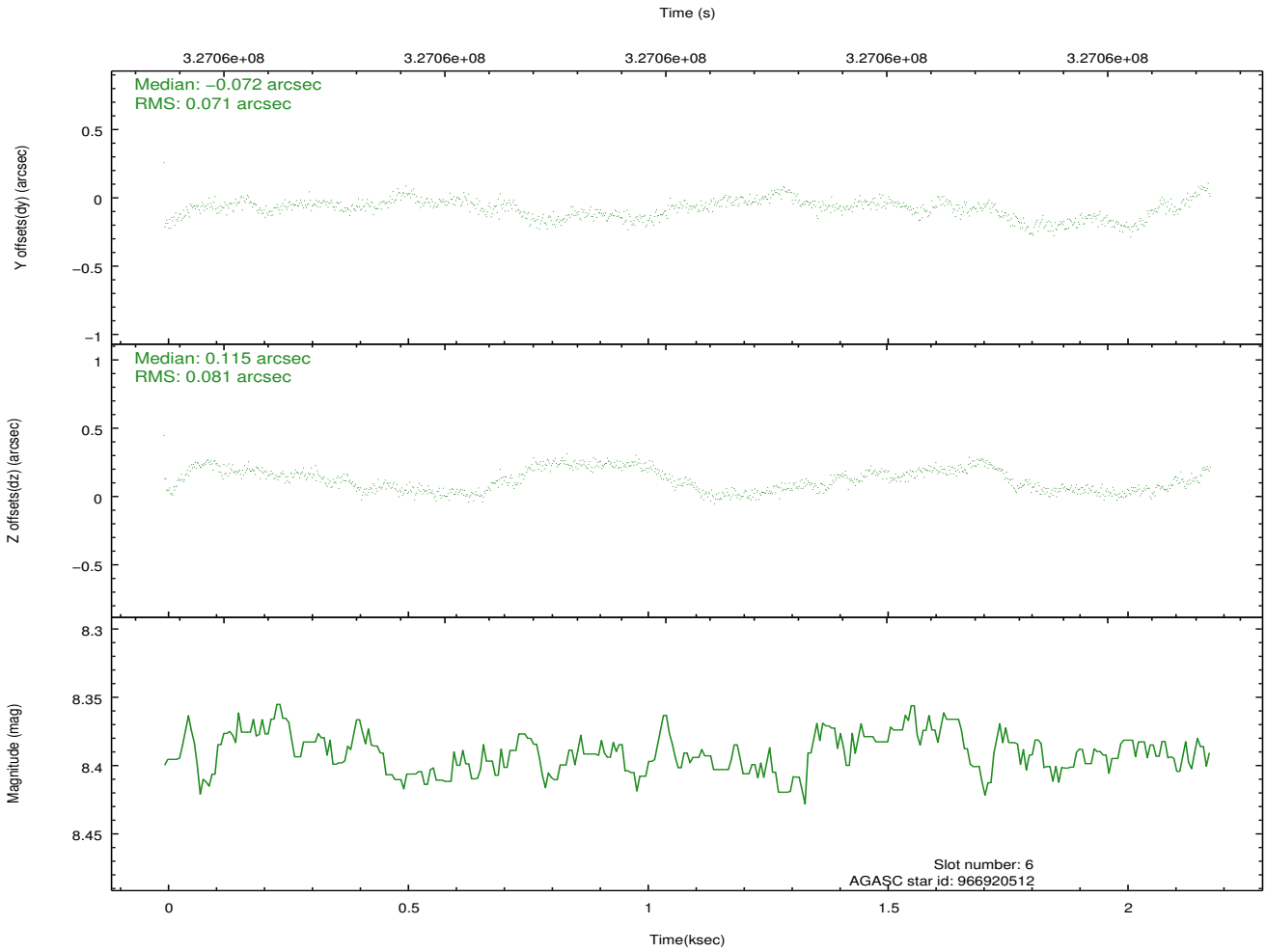
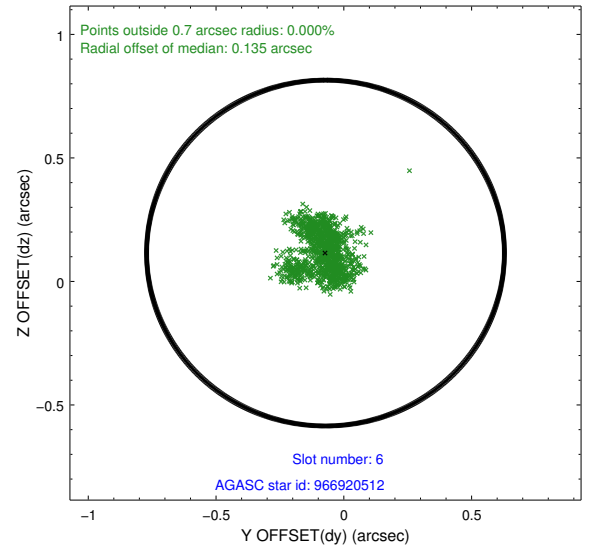
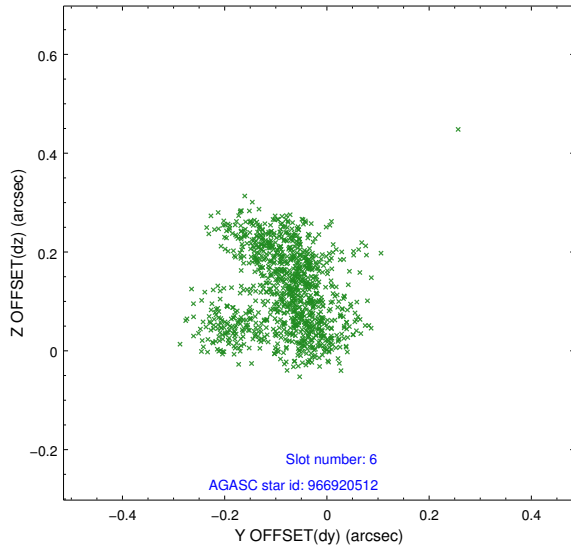
2.4.2 Slot 4



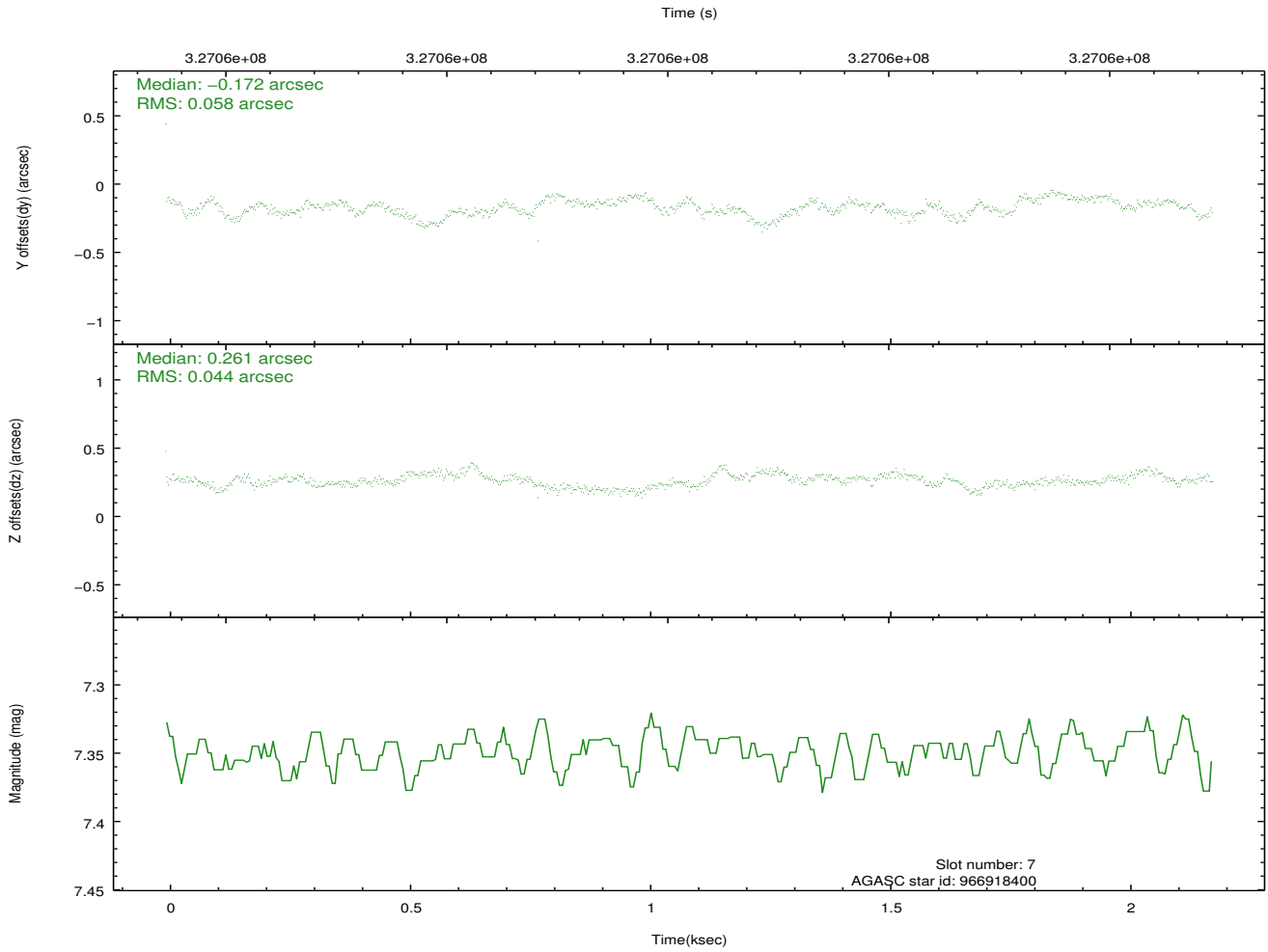
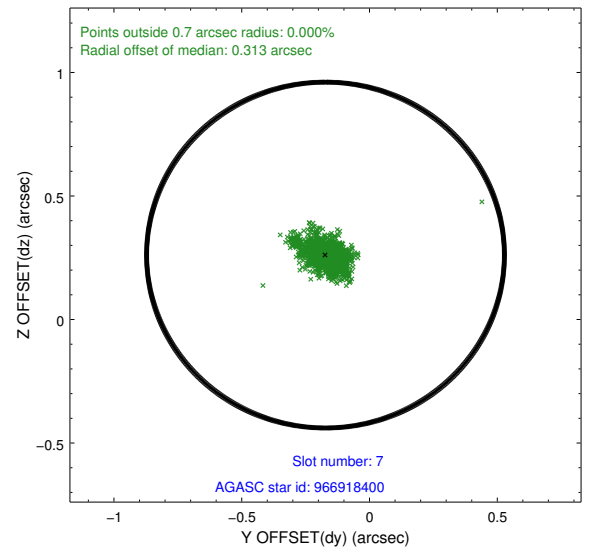
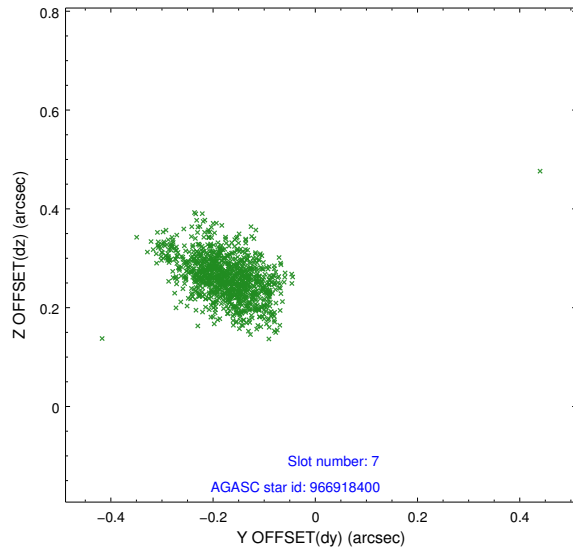
2.4.3 Slot 5



2.4.4 Slot 6

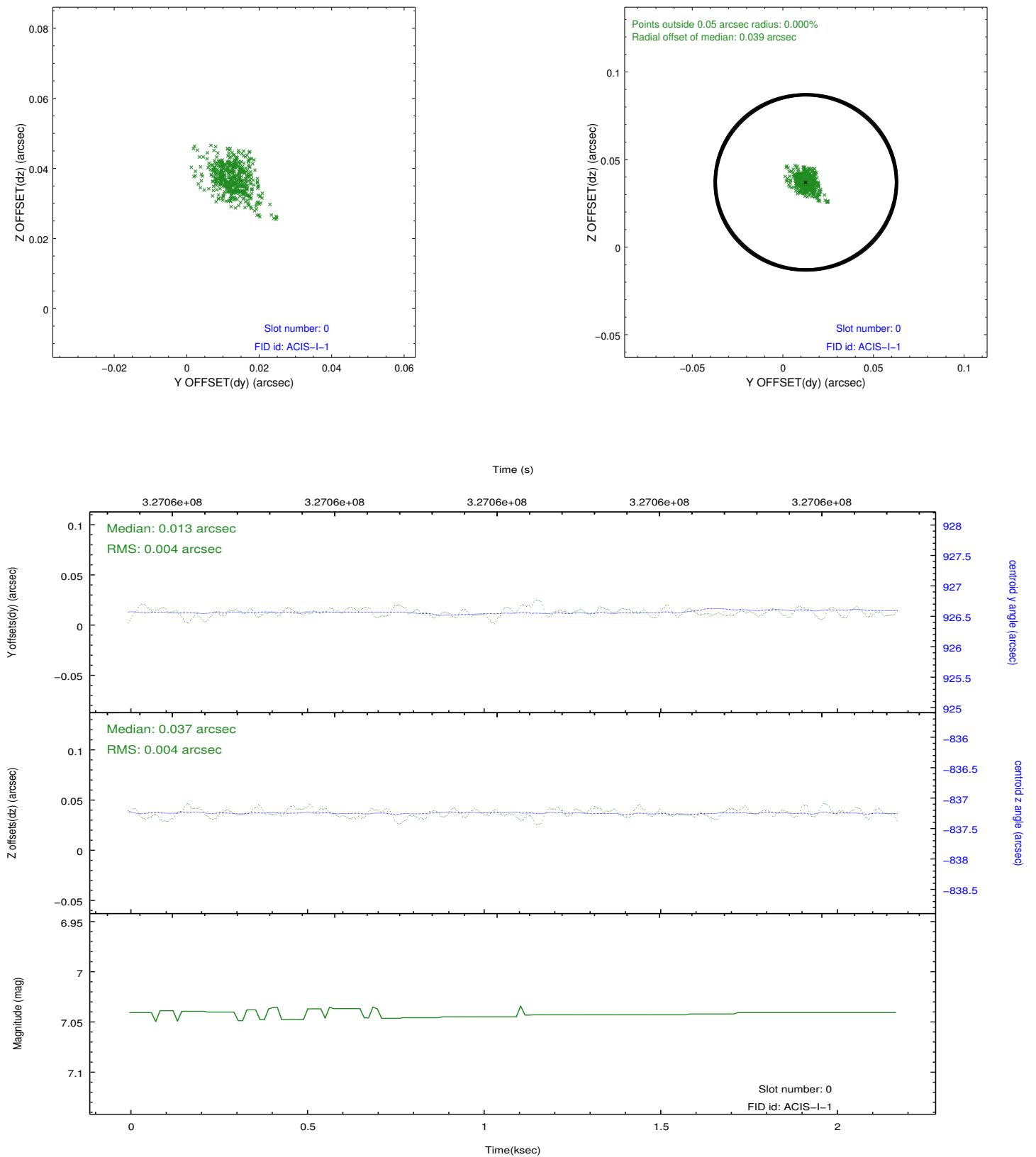


2.4.5 Slot 7

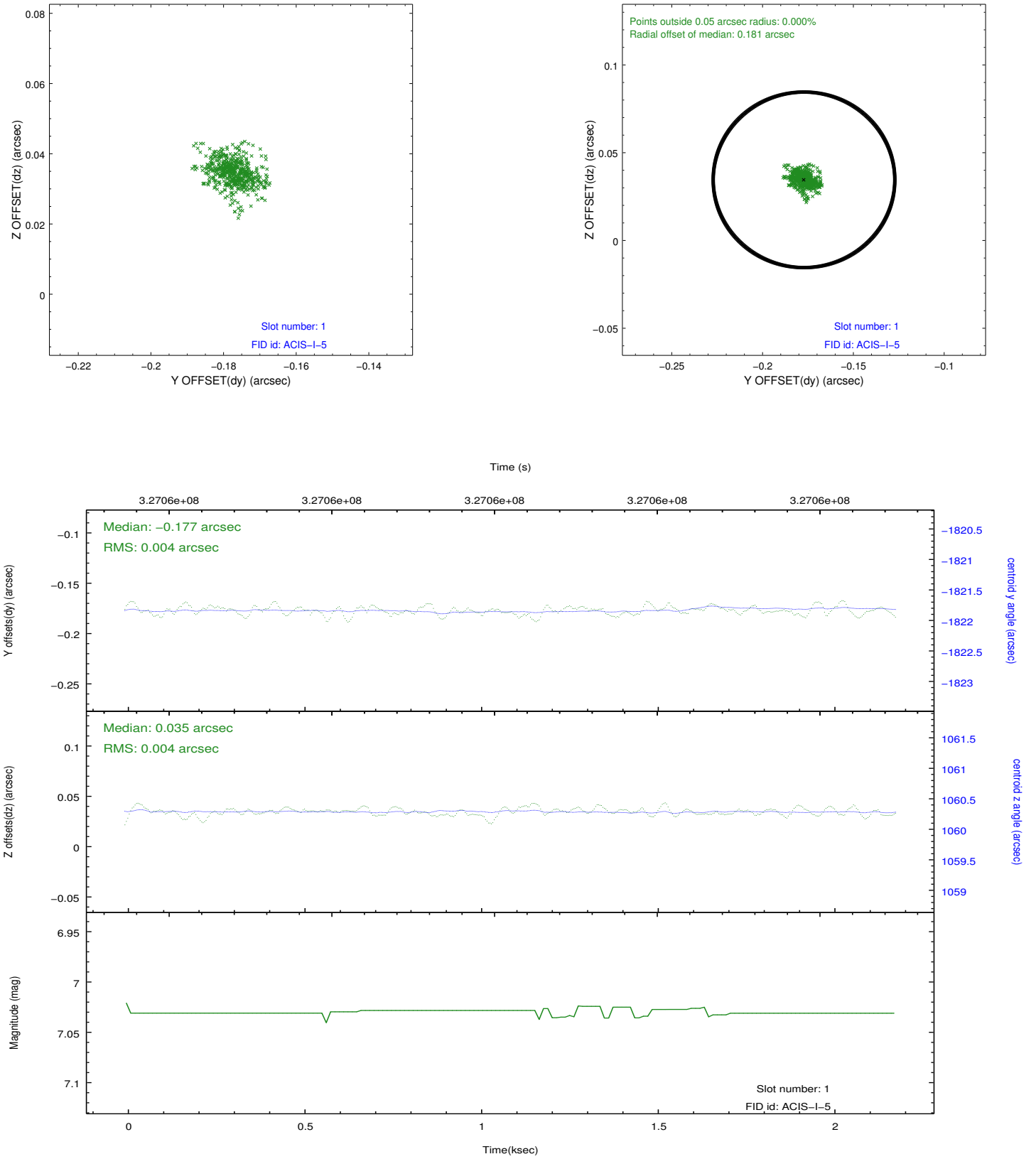


2.5 FID Slots

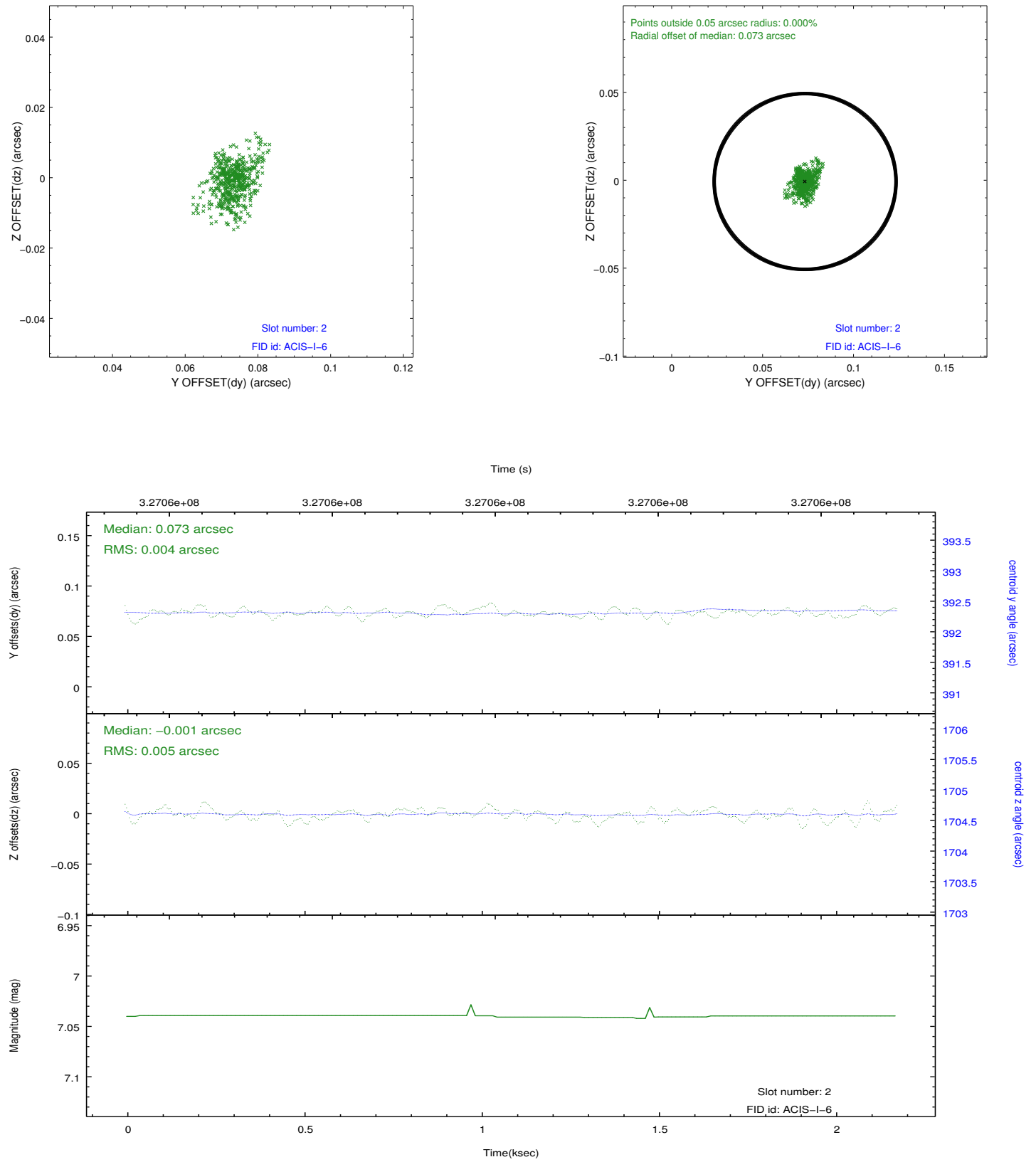
2.5.1 Slot 0



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	2.18240001

A.2 Comments

Joint proposal with NOAO.