

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8743 - L2 Version 2
Chandra X-Ray Center

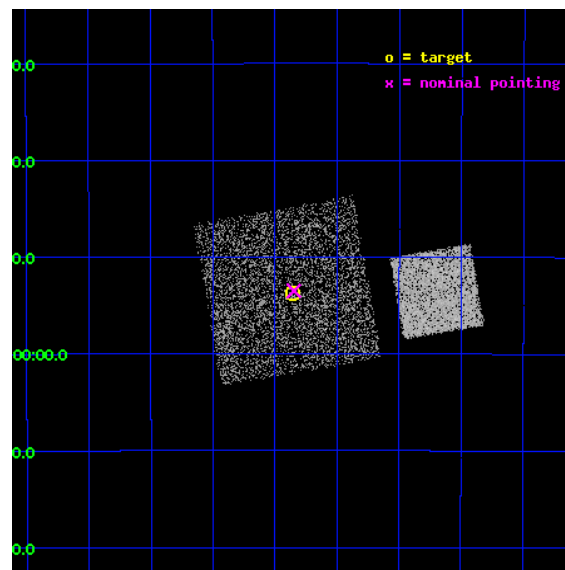
L2 Processing Date : May 14 2012

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1 Front

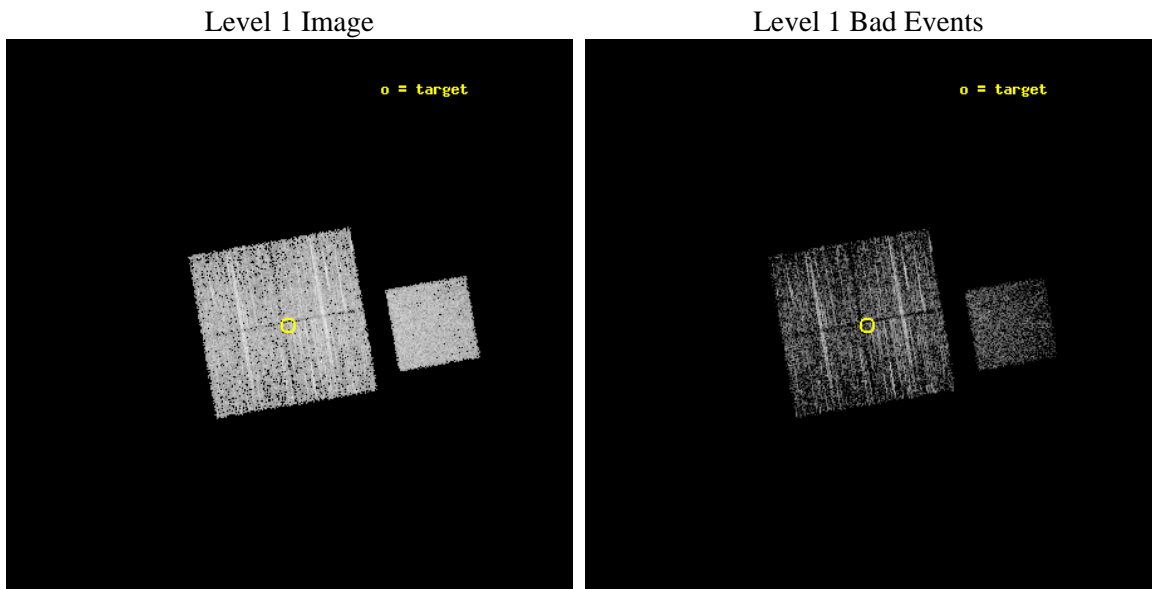
seq_num	400794	Sequence number
obs_id	8743	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.213761	Observer's specified target RA [deg]
dec_targ	-29.896342	Observer's specified target Dec [deg]
ra_nom	267.21189082456	Nominal RA [deg]
dec_nom	-29.891540800461	Nominal Dec [deg]
roll_nom	80.207846578923	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2176.200016737	Sum of GTIs [s]
livetime	2147.7663614232	Livetime [s]
ontime0	2176.200016737	Sum of GTIs [s]
ontime1	2176.200016737	Sum of GTIs [s]
ontime2	2176.200016737	Sum of GTIs [s]
ontime3	2176.200016737	Sum of GTIs [s]
ontime7	2176.200016737	Sum of GTIs [s]
l2events	16170	Number of level 2 events



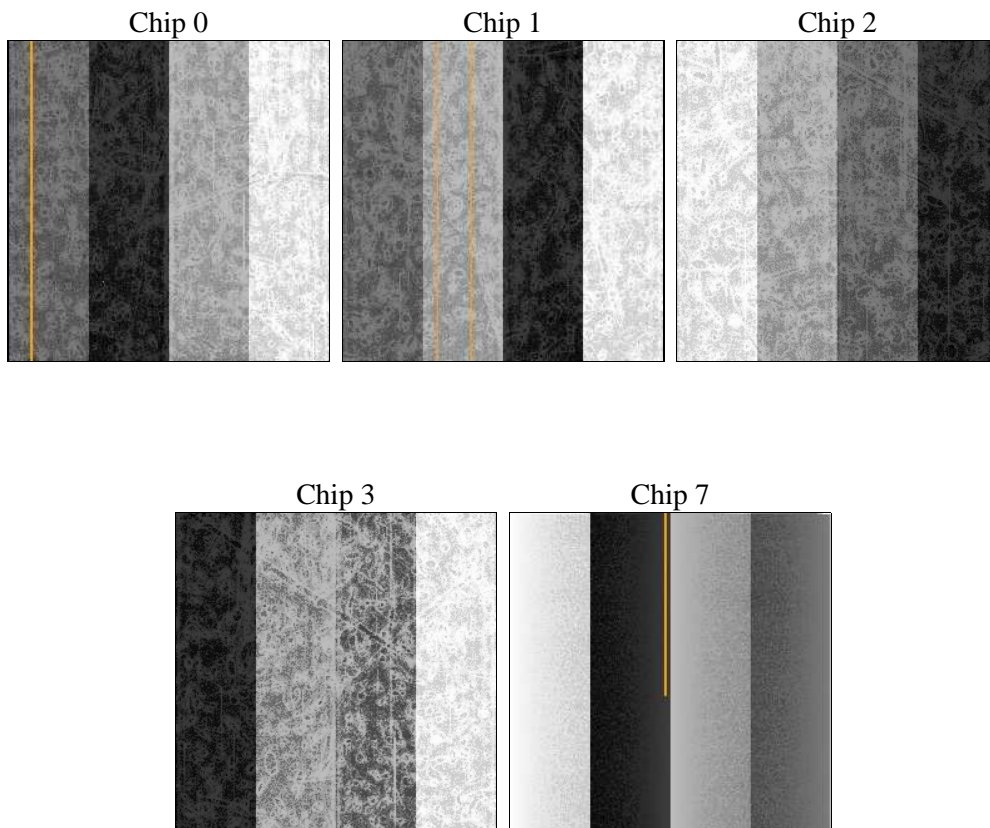
2 OBI

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	2176.200016737	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2176.200016737	Sum of GTIs [s]
date	2012-05-14T23:52:35	Date and time of file creation	ontime1	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.200016737	Sum of GTIs [s]
			ontime3	2176.200016737	Sum of GTIs [s]
			ontime7	2176.200016737	Sum of GTIs [s]
			l1events	104198	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19185	18207	21860	21817	23129
rejected events	17058	15943	19887	19736	13817
rejected %	88%	87%	90%	90%	59%

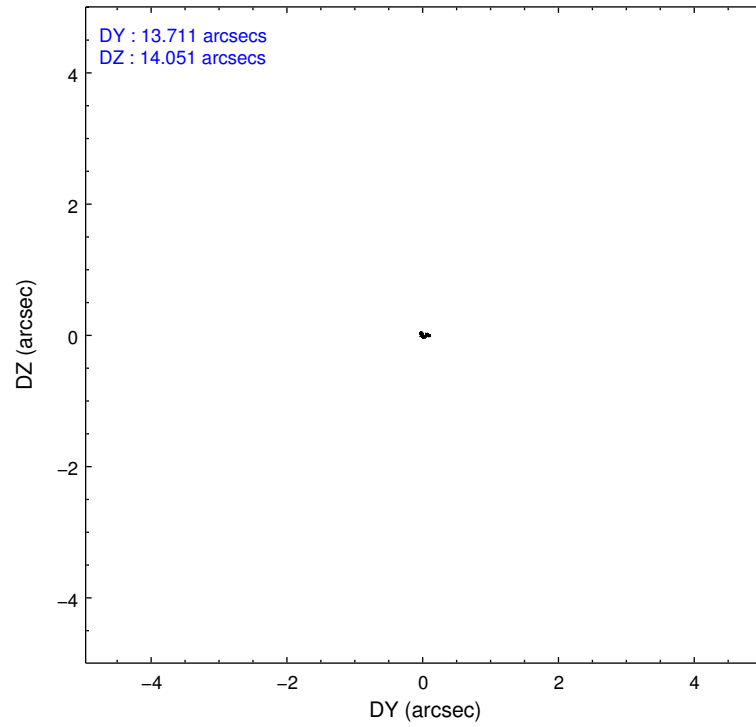
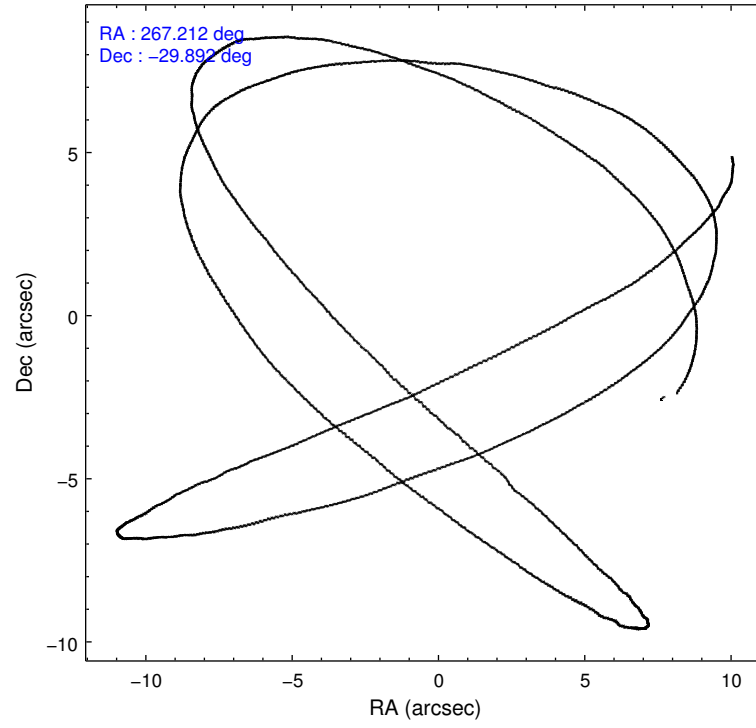
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1008	1128	997	1034	1102
	5%	6%	4%	4%	4%
grade 1 events	13	11	11	11	24
	0%	0%	0%	0%	0%
grade 2 events	589	513	487	447	2298
	3%	2%	2%	2%	9%
grade 3 events	247	241	208	229	986
	1%	1%	0%	1%	4%
grade 4 events	216	261	198	239	1024
	1%	1%	0%	1%	4%
grade 5 events	692	769	633	807	2390
	3%	4%	2%	3%	10%
grade 6 events	378	447	375	434	5559
	1%	2%	1%	1%	24%
grade 7 events	16042	14837	18951	18616	9746
	83%	81%	86%	85%	42%

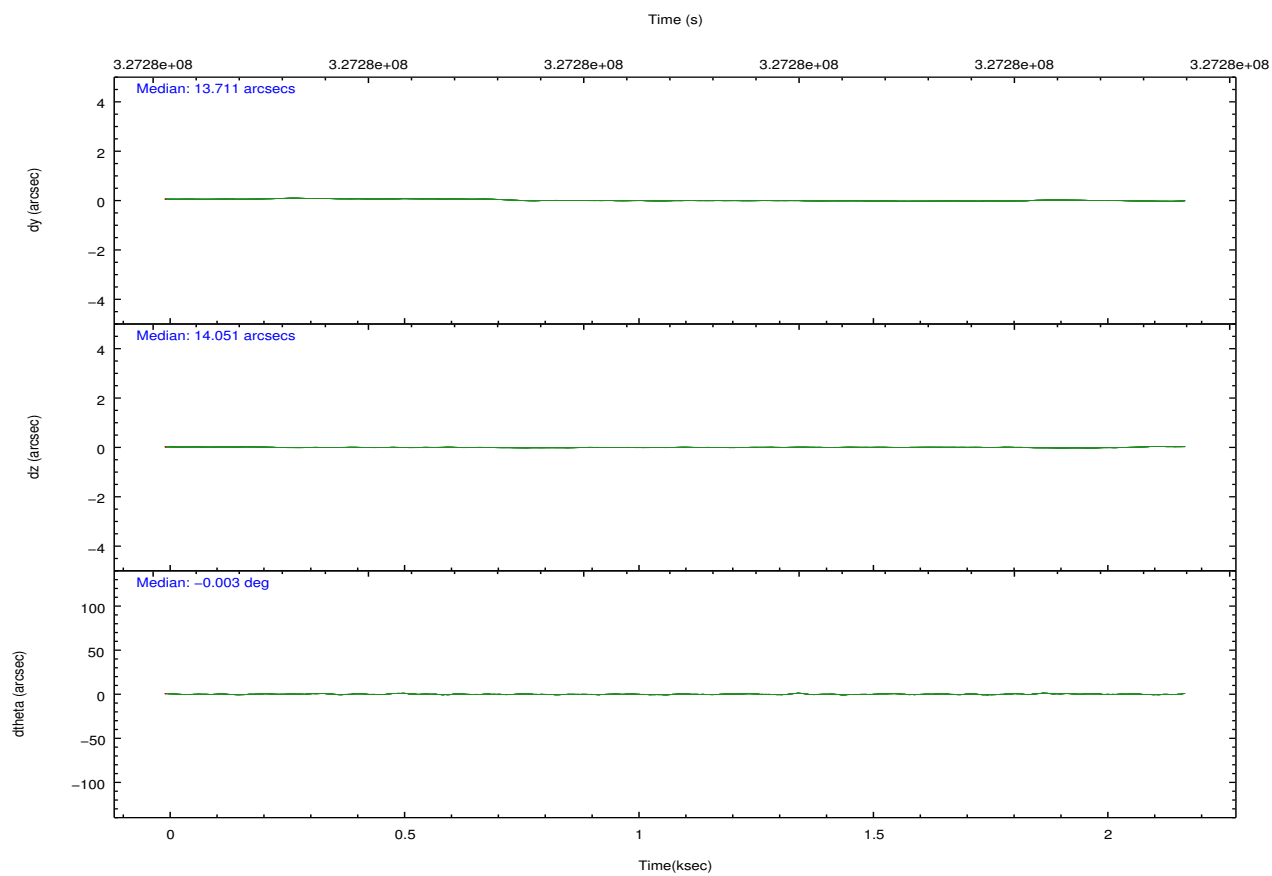
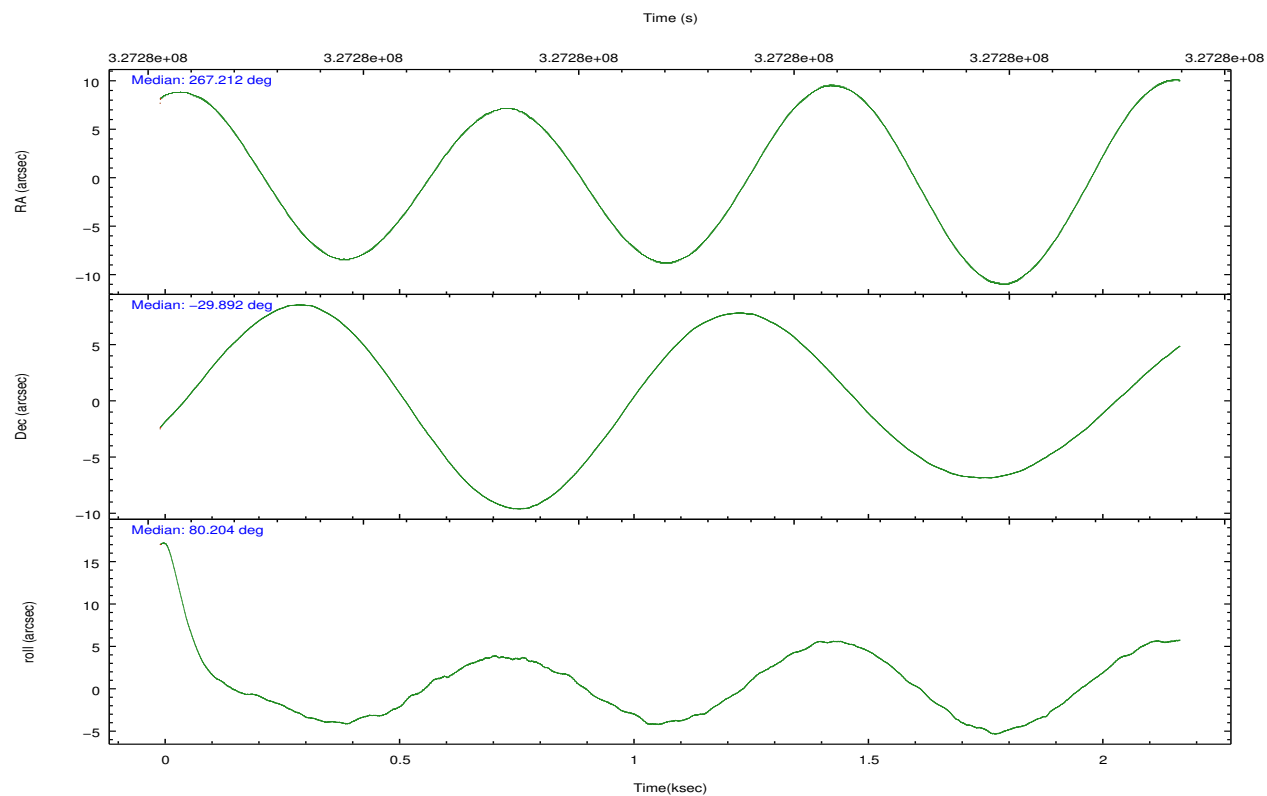
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01237	ACIS-01237
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	267.222952	267.2118908245594
[deg] Pointing Dec	-29.917373	-29.89154080046082
[deg] Pointing Roll	80.004582	80.20784657892303
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	327282789.184000	327282413.0989
Observation start date	2008-05-15T23:52:04	2008-05-15T23:46:53
[s] Observation end time (MET)	327284789.184000	327284923.32402
Observation end date	2008-05-16T00:25:24	2008-05-16T00:28:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	N	N
CCD S3 on	O1	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



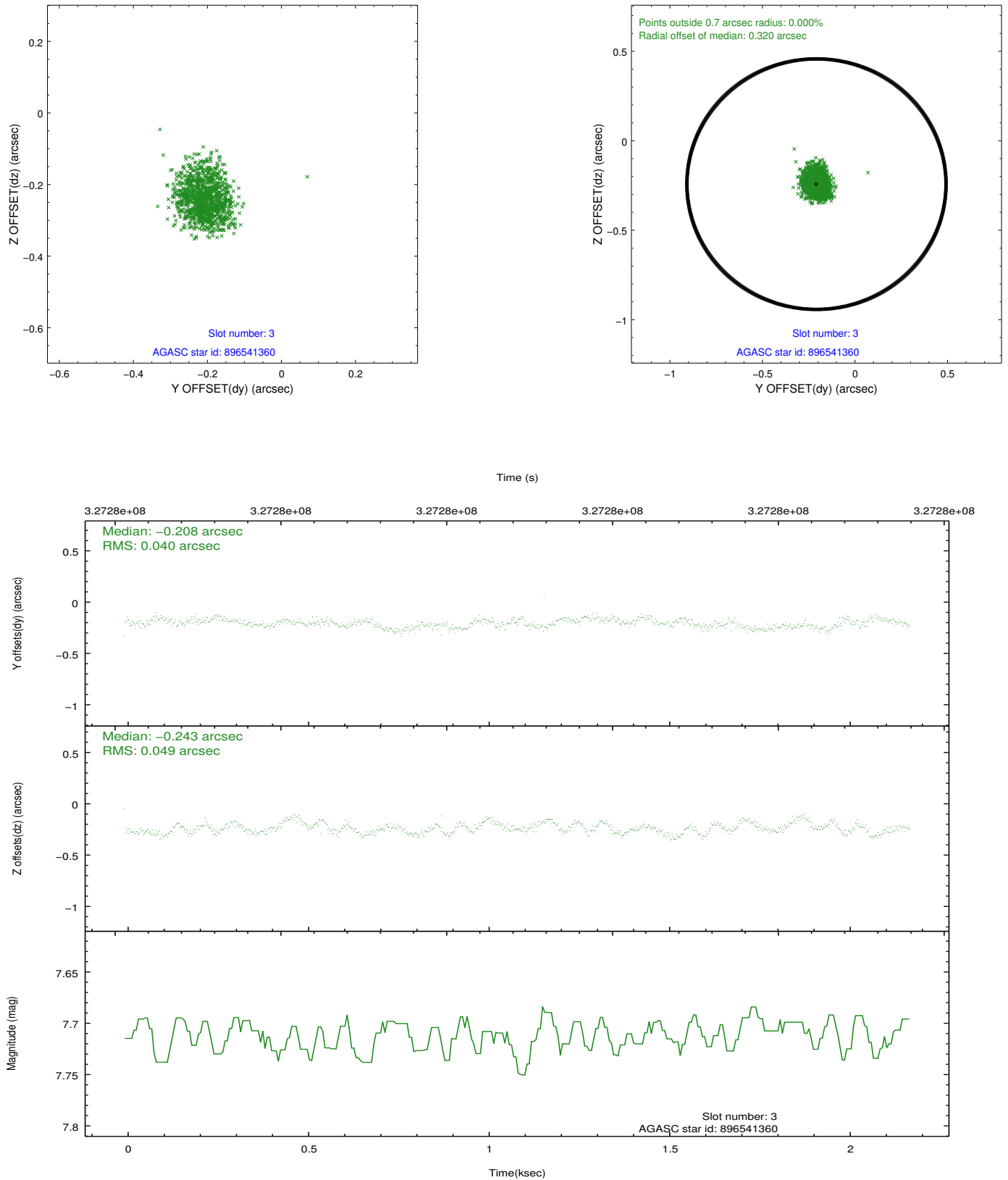


Slot Statistics

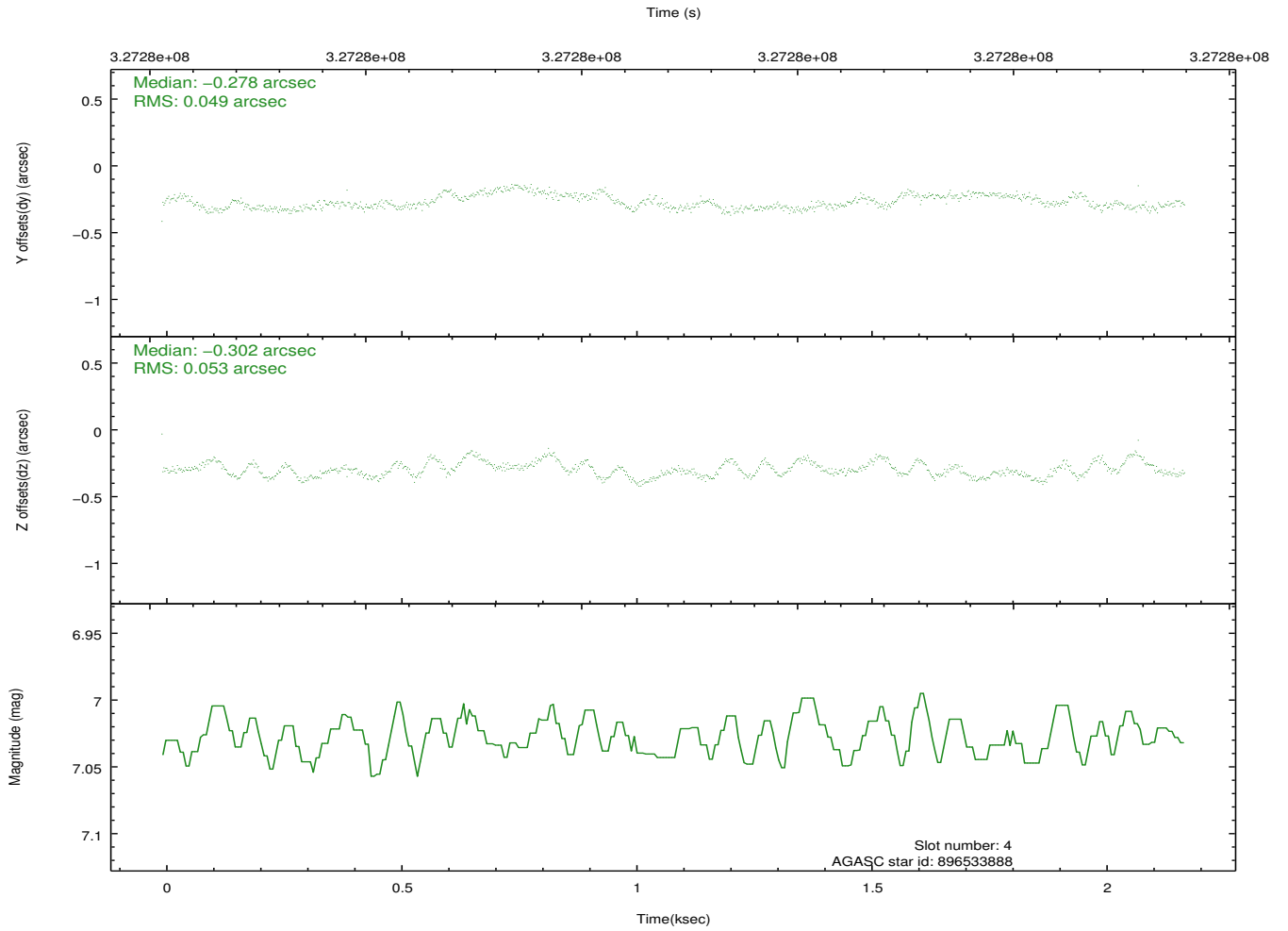
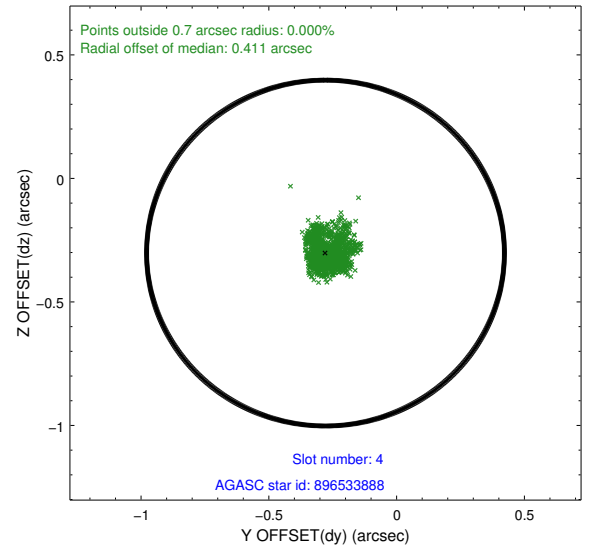
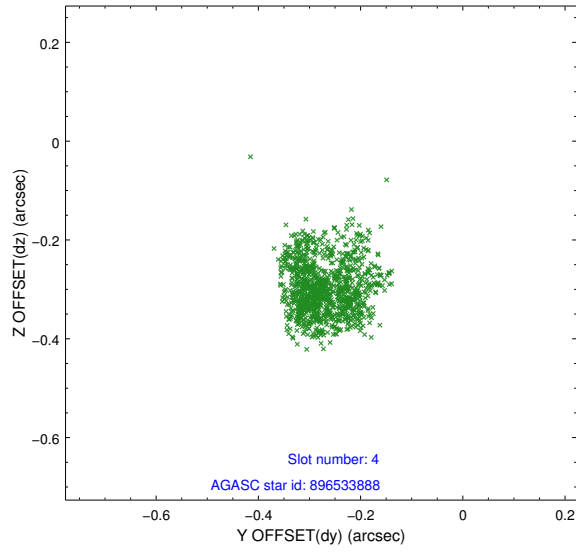
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	531	0.024	0.024	0.007	0.012	0.000000	0.000000	925.80	-837.59
1	FID	ACIS-I-5	7.03	531	-0.207	0.036	0.007	0.011	0.000000	0.000000	-1820.91	1058.37
2	FID	ACIS-I-6	7.04	531	0.092	0.010	0.007	0.012	0.000000	0.000000	388.12	1706.28
3	GUIDE	896541360	7.71	1062	-0.208	-0.243	0.067	0.107	266.684478	-29.453744	1346.42	1951.34
4	GUIDE	896533888	7.03	1062	-0.278	-0.302	0.078	0.122	266.666434	-29.392757	1553.58	2047.95
5	GUIDE	898248800	8.24	1062	-0.059	0.336	0.052	0.084	267.977609	-29.931731	351.56	-2326.59
6	GUIDE	966920512	8.37	1060	0.328	0.135	0.066	0.101	267.231170	-30.494681	-2041.82	-387.98
7	GUIDE	966919736	6.89	1061	0.203	0.072	0.049	0.085	267.322278	-30.597445	-2359.89	-729.06

2.4 Star Slots

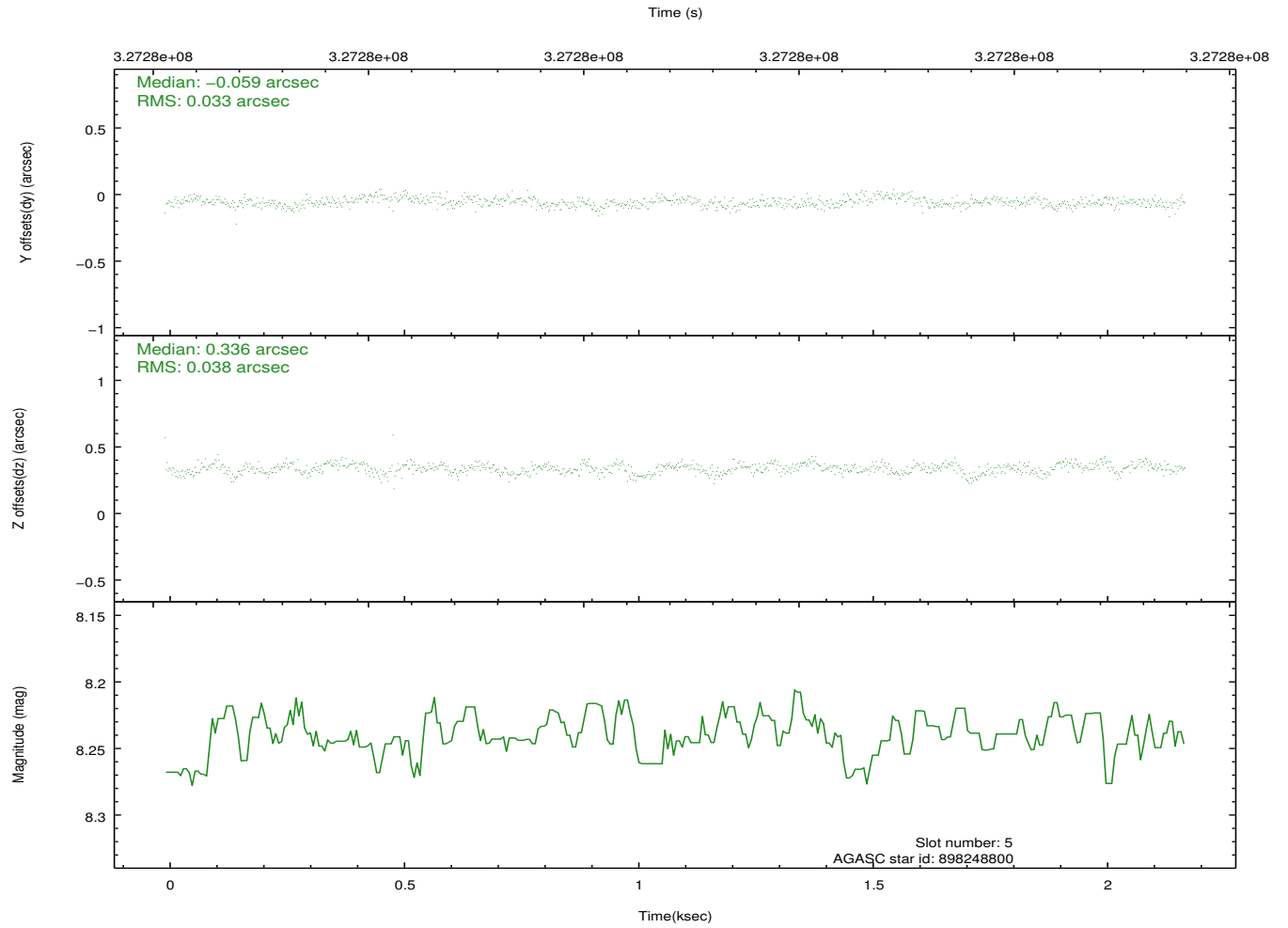
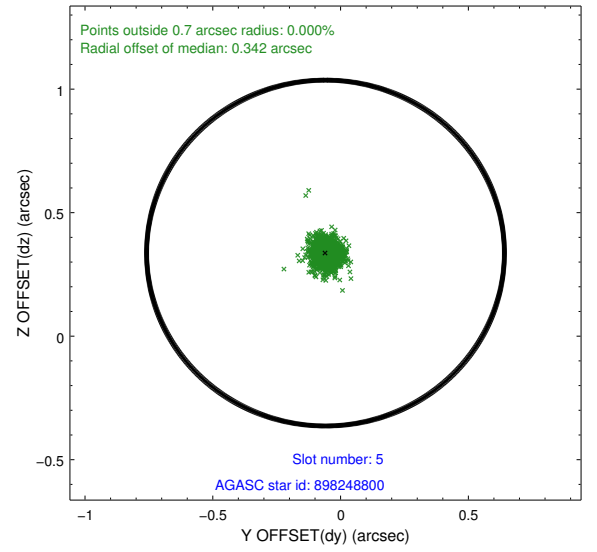
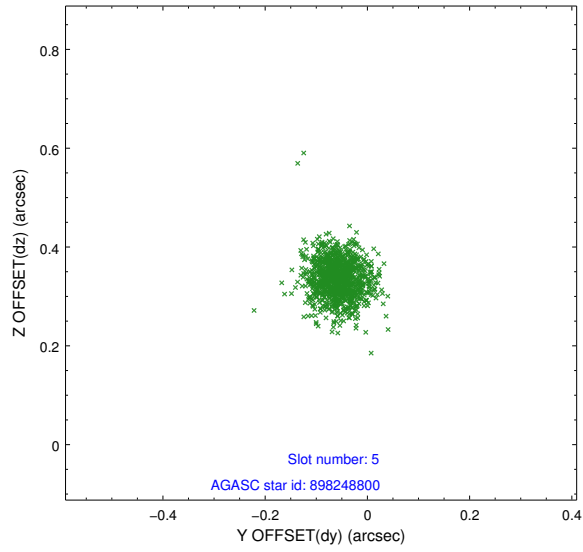
2.4.1 Slot 3



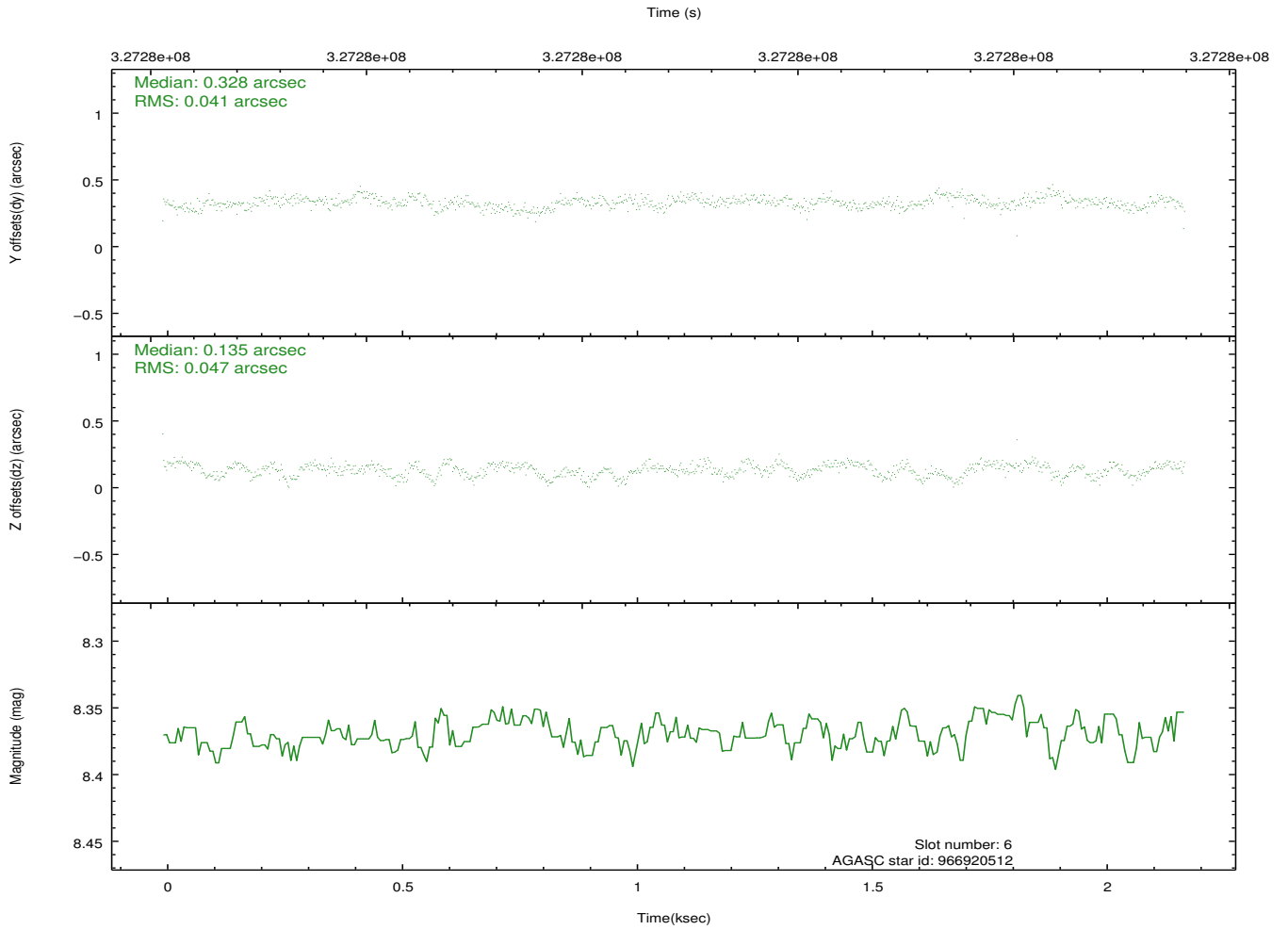
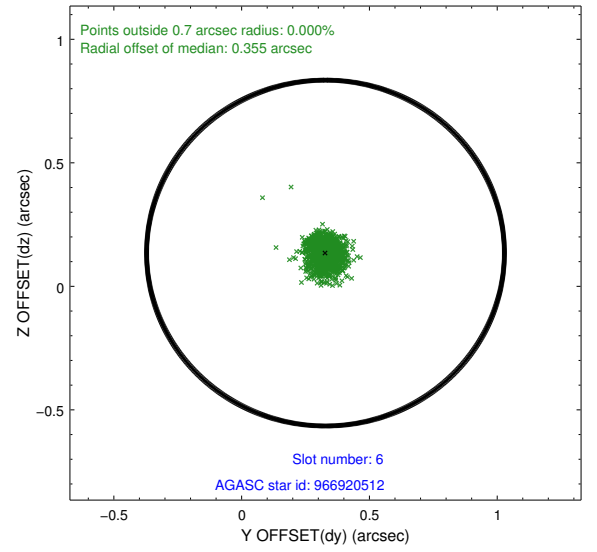
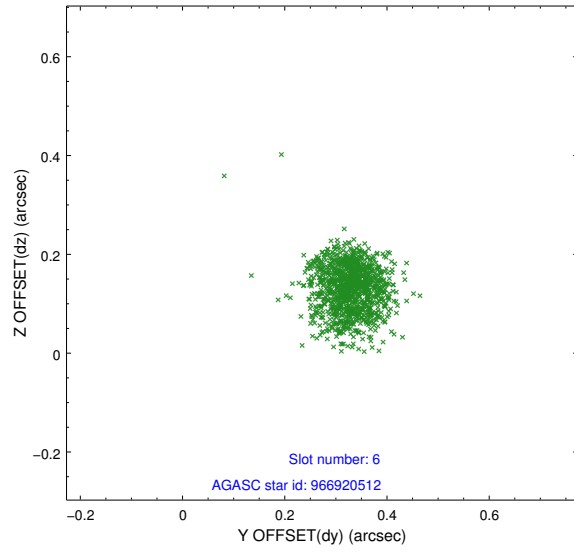
2.4.2 Slot 4



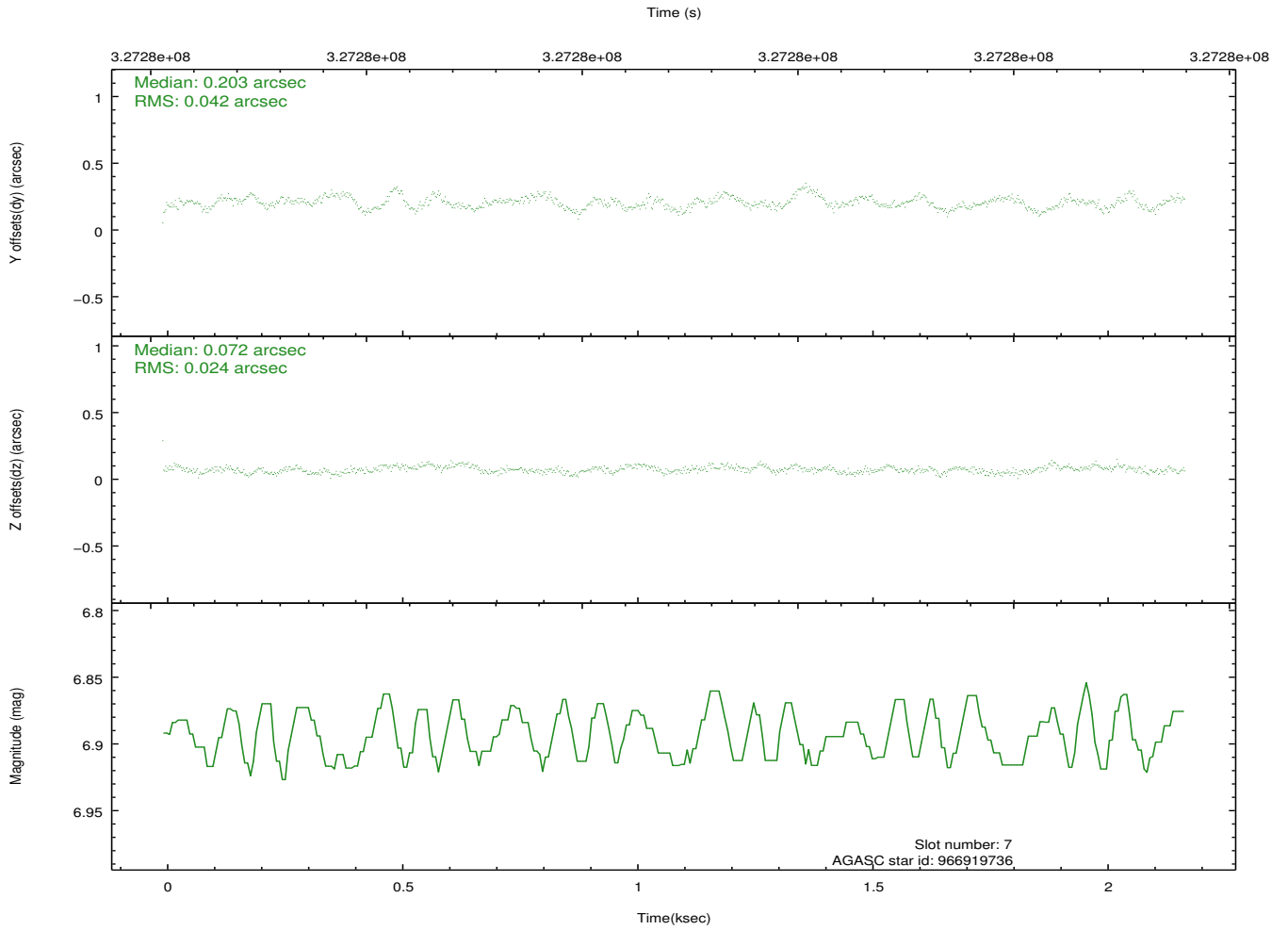
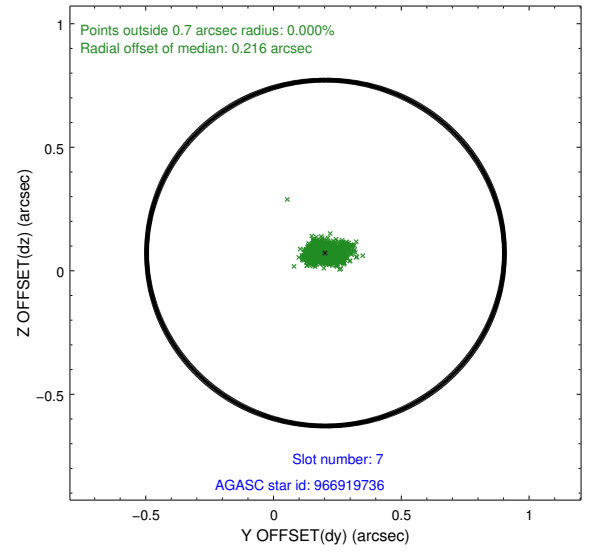
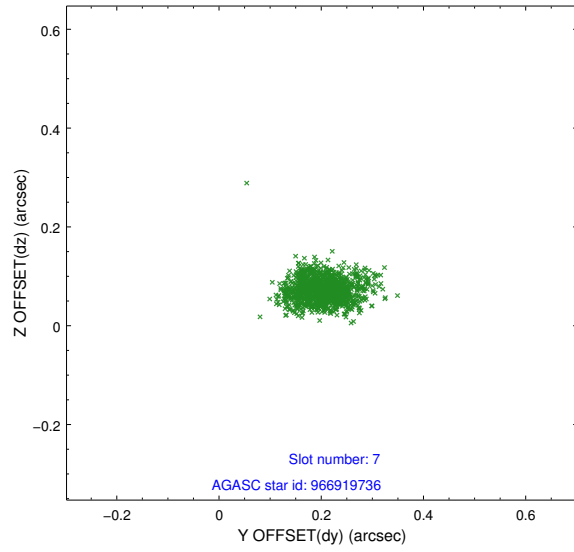
2.4.3 Slot 5



2.4.4 Slot 6

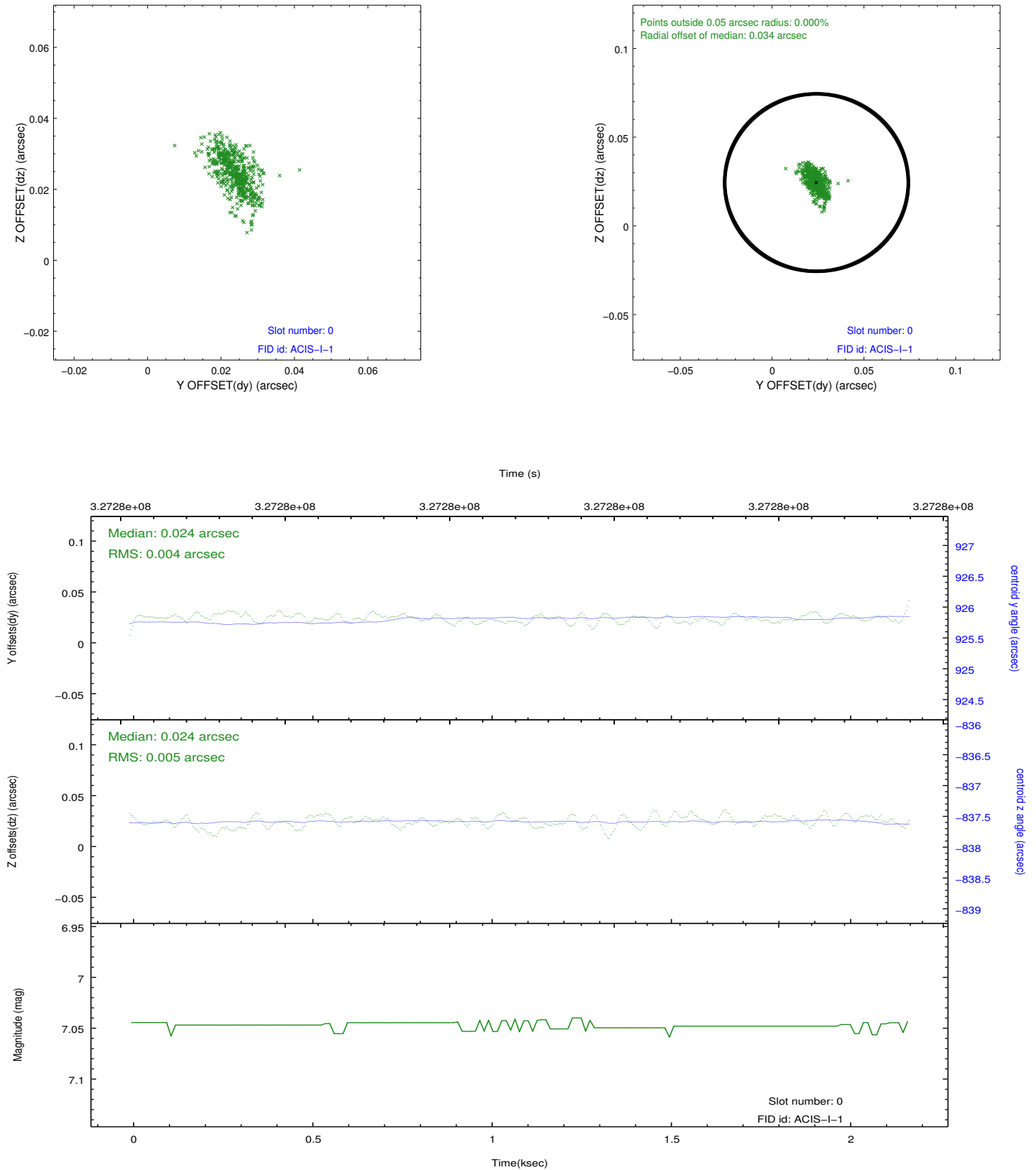


2.4.5 Slot 7

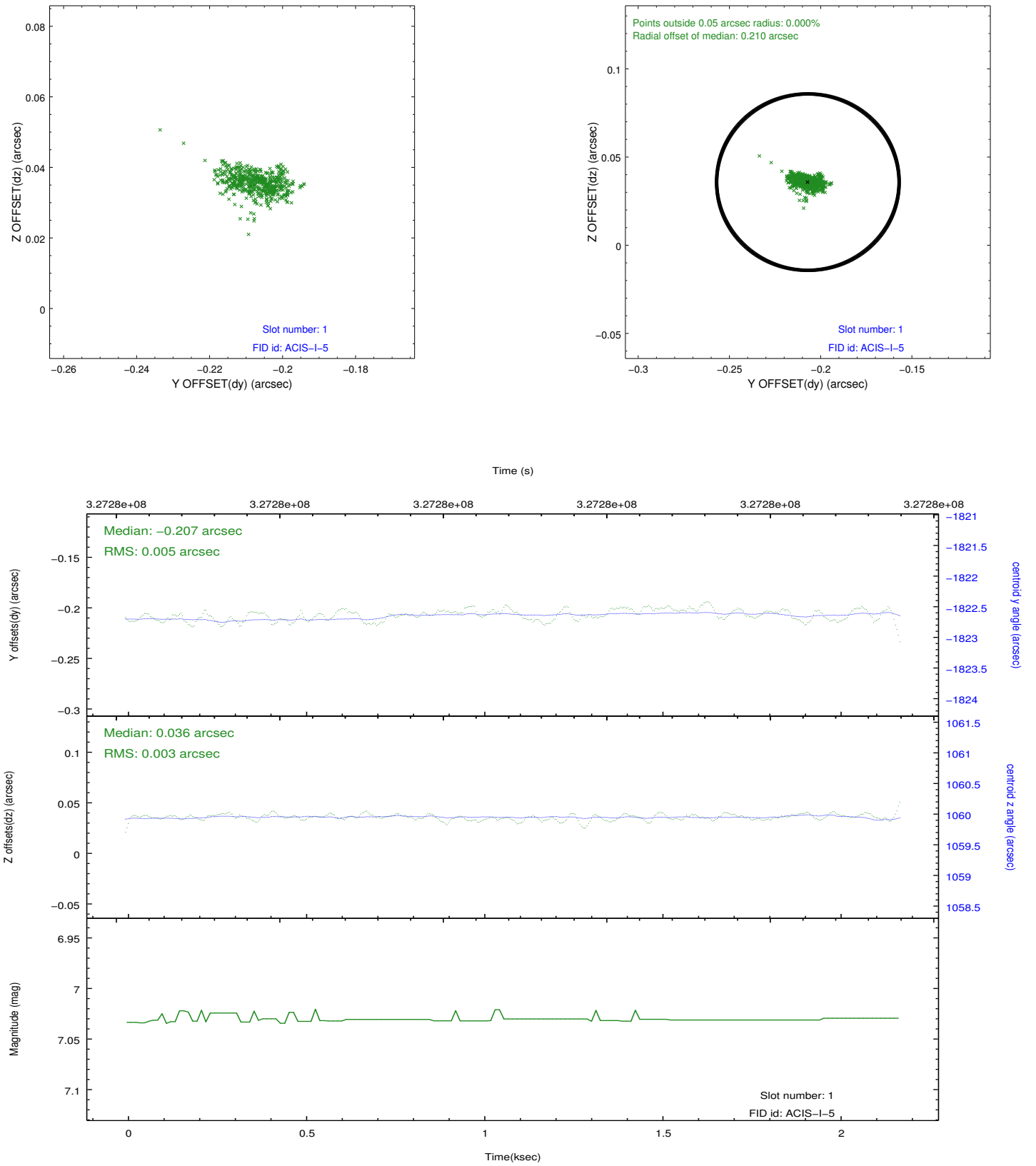


2.5 FID Slots

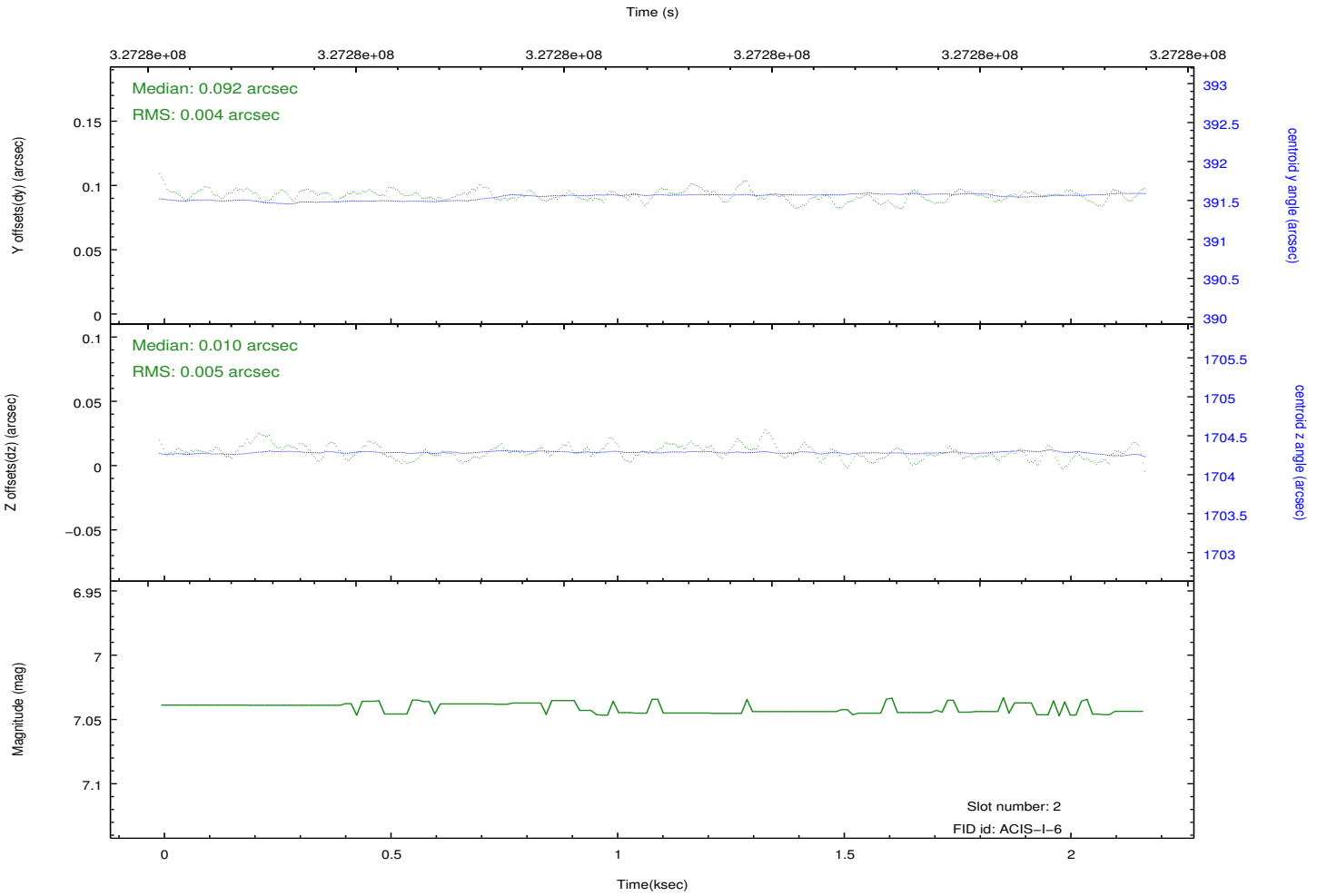
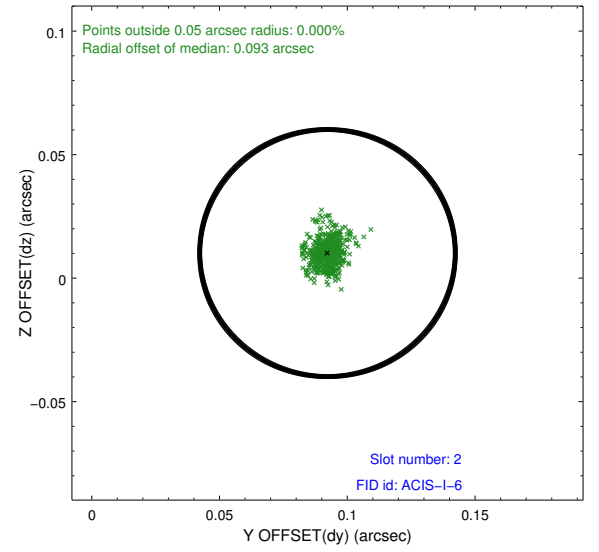
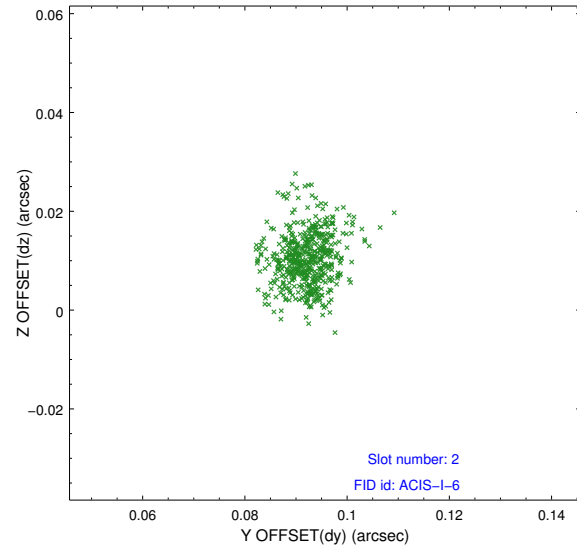
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17620001

A.2 Comments

Joint proposal with NOAO.