

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8657 - L2 Version 2
Chandra X-Ray Center

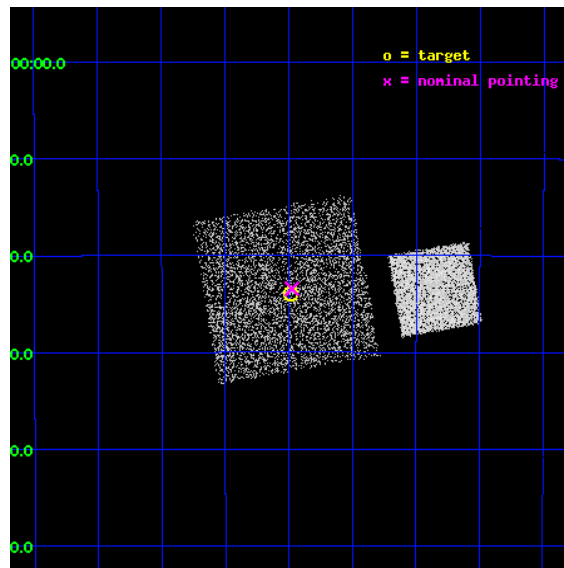
L2 Processing Date : May 14 2012

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1 Front

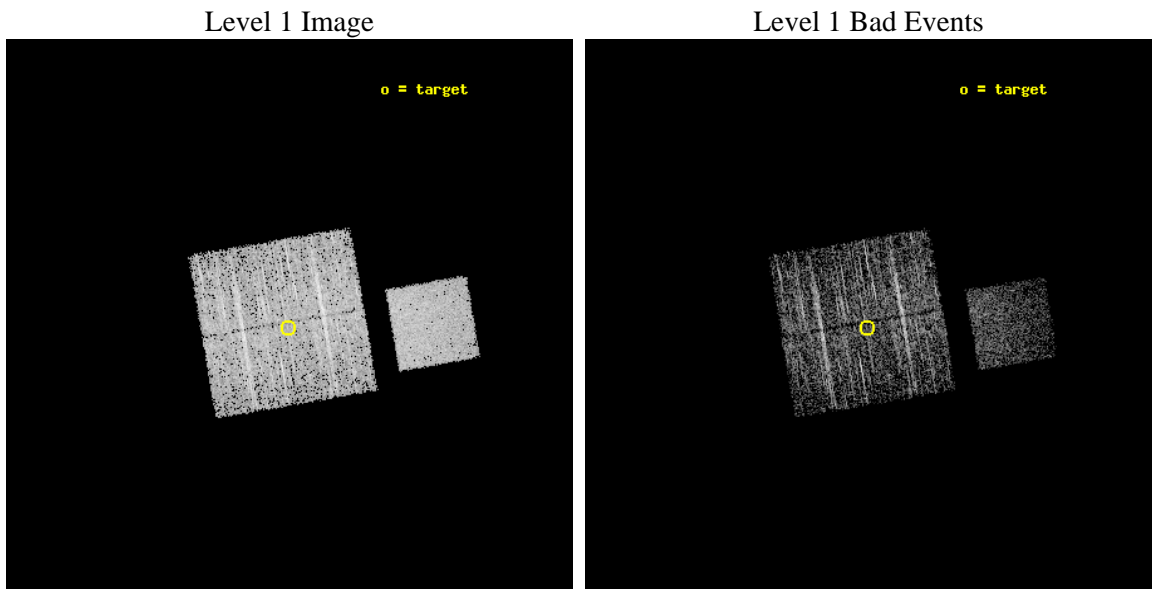
seq_num	400708	Sequence number
obs_id	8657	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.745493	Observer's specified target RA [deg]
dec_targ	-27.398682	Observer's specified target Dec [deg]
ra_nom	265.7441507528	Nominal RA [deg]
dec_nom	-27.39079161921	Nominal Dec [deg]
roll_nom	80.208095872591	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	15484	Number of level 2 events



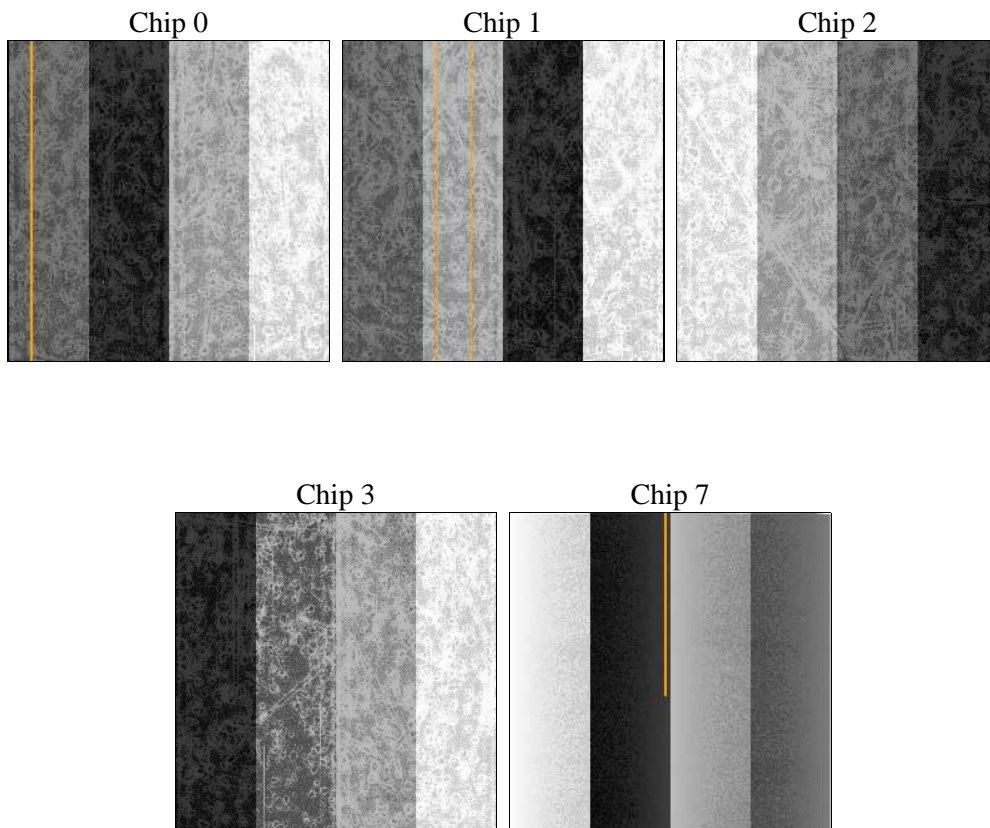
2 OBI

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	2012-05-15T00:13:38	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	103762	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19946	19633	22663	18906	22614
rejected events	17955	17392	20703	17001	13541
rejected %	90%	88%	91%	89%	59%

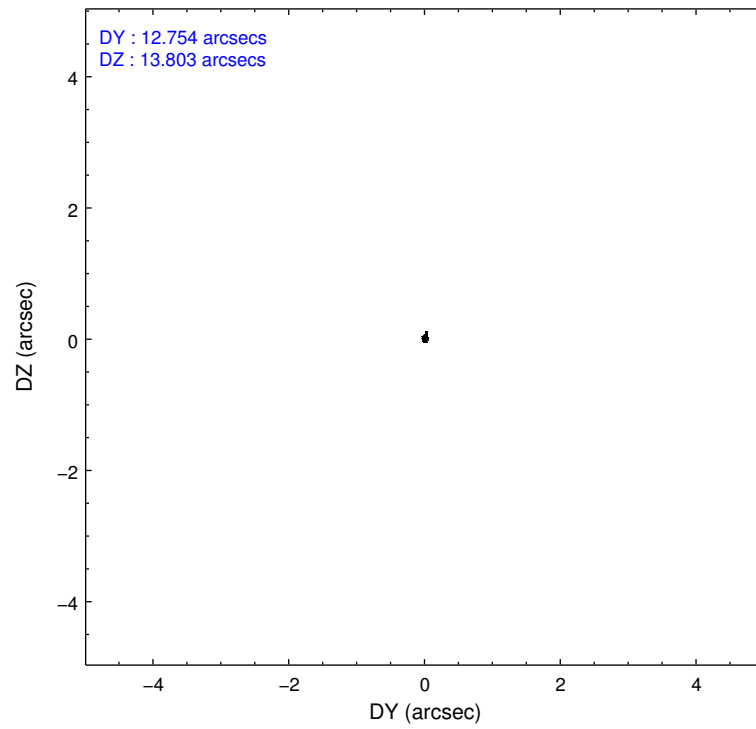
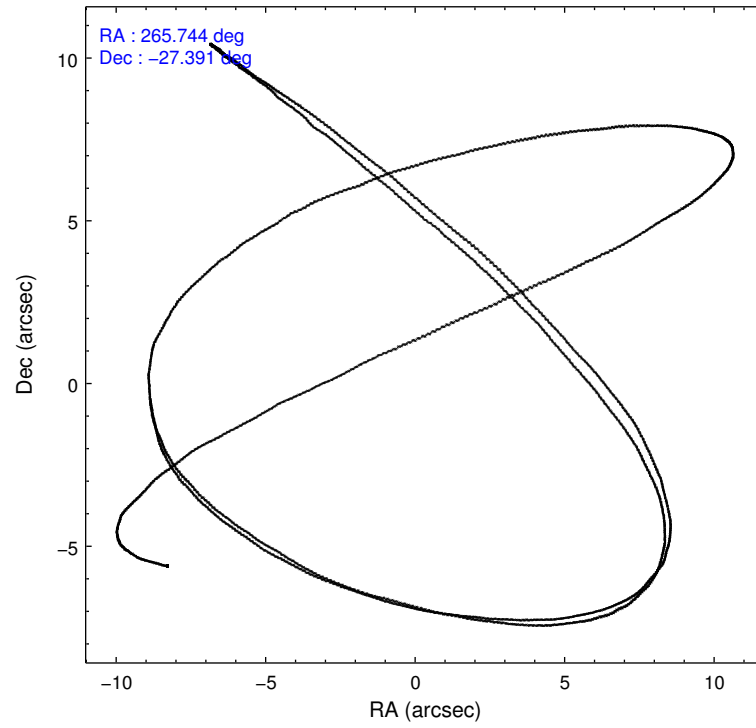
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	883	1019	915	918	983
	4%	5%	4%	4%	4%
grade 1 events	8	13	18	12	31
	0%	0%	0%	0%	0%
grade 2 events	526	560	534	423	2118
	2%	2%	2%	2%	9%
grade 3 events	248	257	225	223	996
	1%	1%	0%	1%	4%
grade 4 events	235	254	213	210	951
	1%	1%	0%	1%	4%
grade 5 events	692	793	649	812	2292
	3%	4%	2%	4%	10%
grade 6 events	386	451	370	403	5353
	1%	2%	1%	2%	23%
grade 7 events	16968	16286	19739	15905	9890
	85%	82%	87%	84%	43%

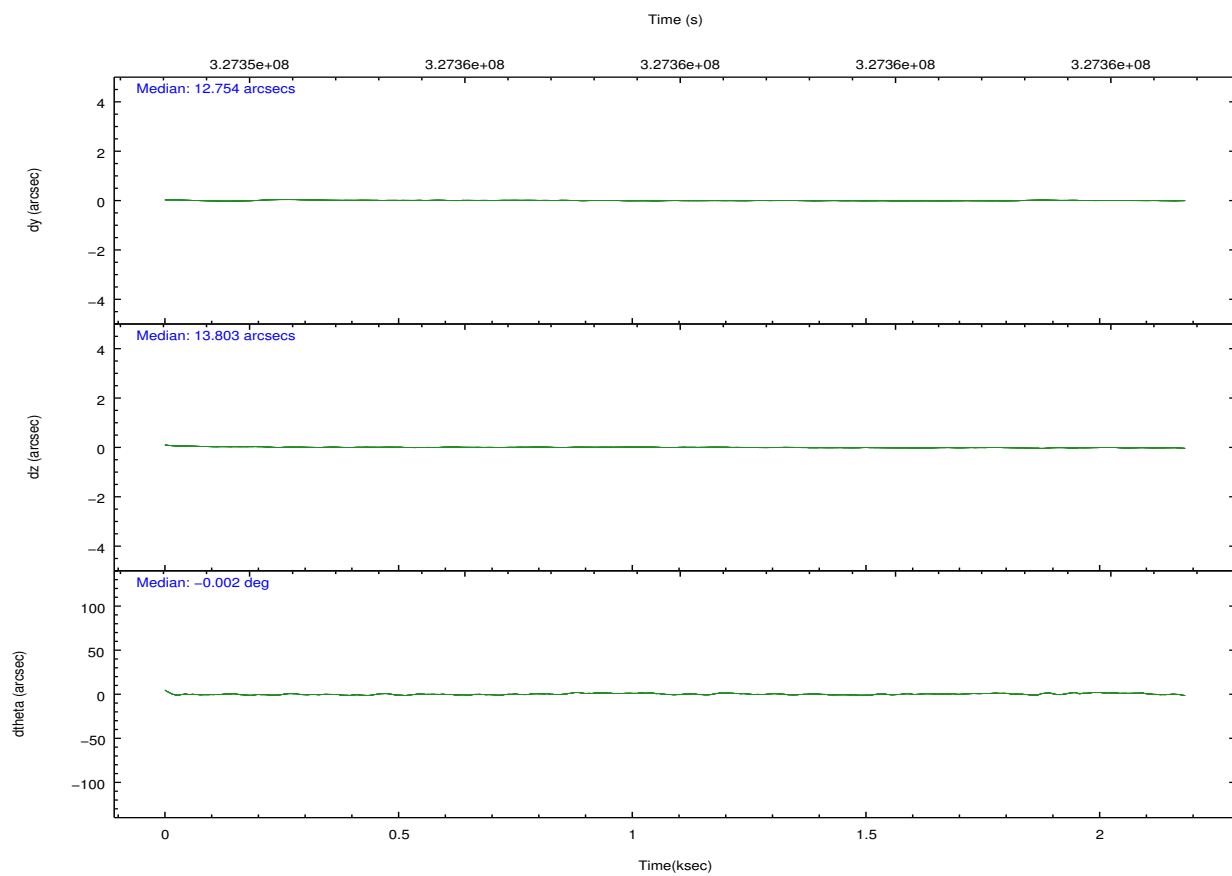
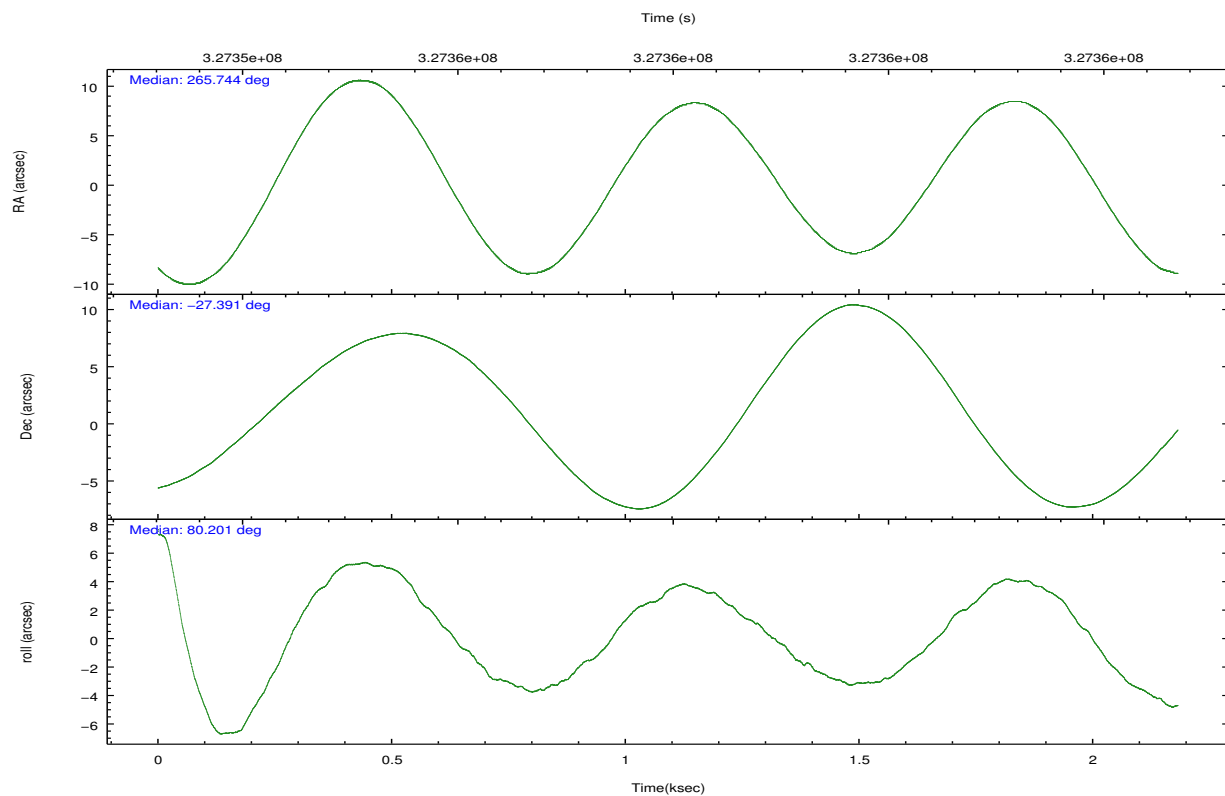
2.2 Compared Parameters

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	265.755120	265.7441507527994
[deg] Pointing Dec	-27.416441	-27.39079161921028
[deg] Pointing Roll	80.004433	80.20809587259099
[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)	327354583.184000	327354207.1774
Observation start date	2008-05-16T19:48:38	2008-05-16T19:43:27
[s] Observation end time (MET)	327356583.184000	327356717.40252
Observation end date	2008-05-16T20:21:58	2008-05-16T20:25:17
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



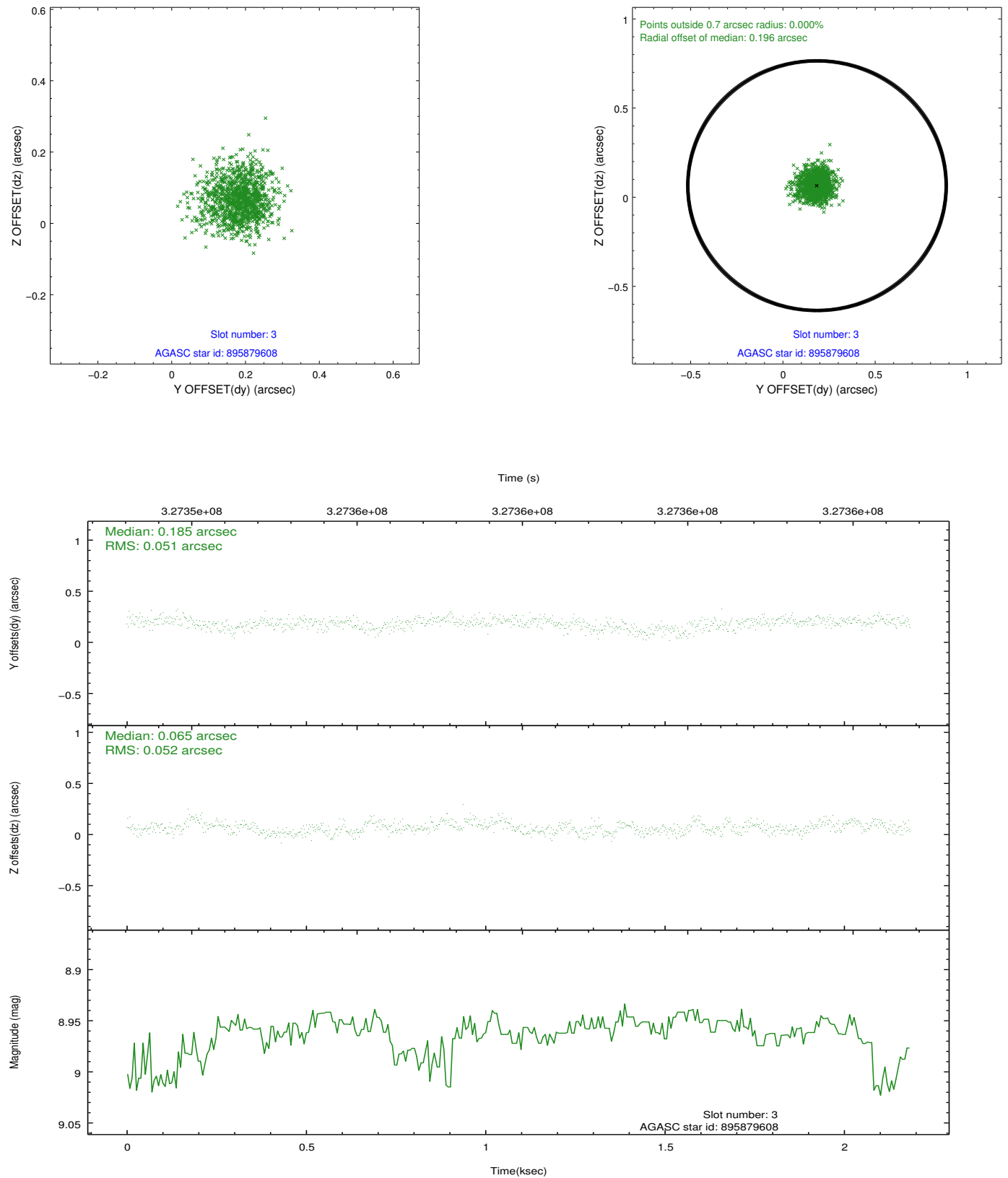


Slot Statistics

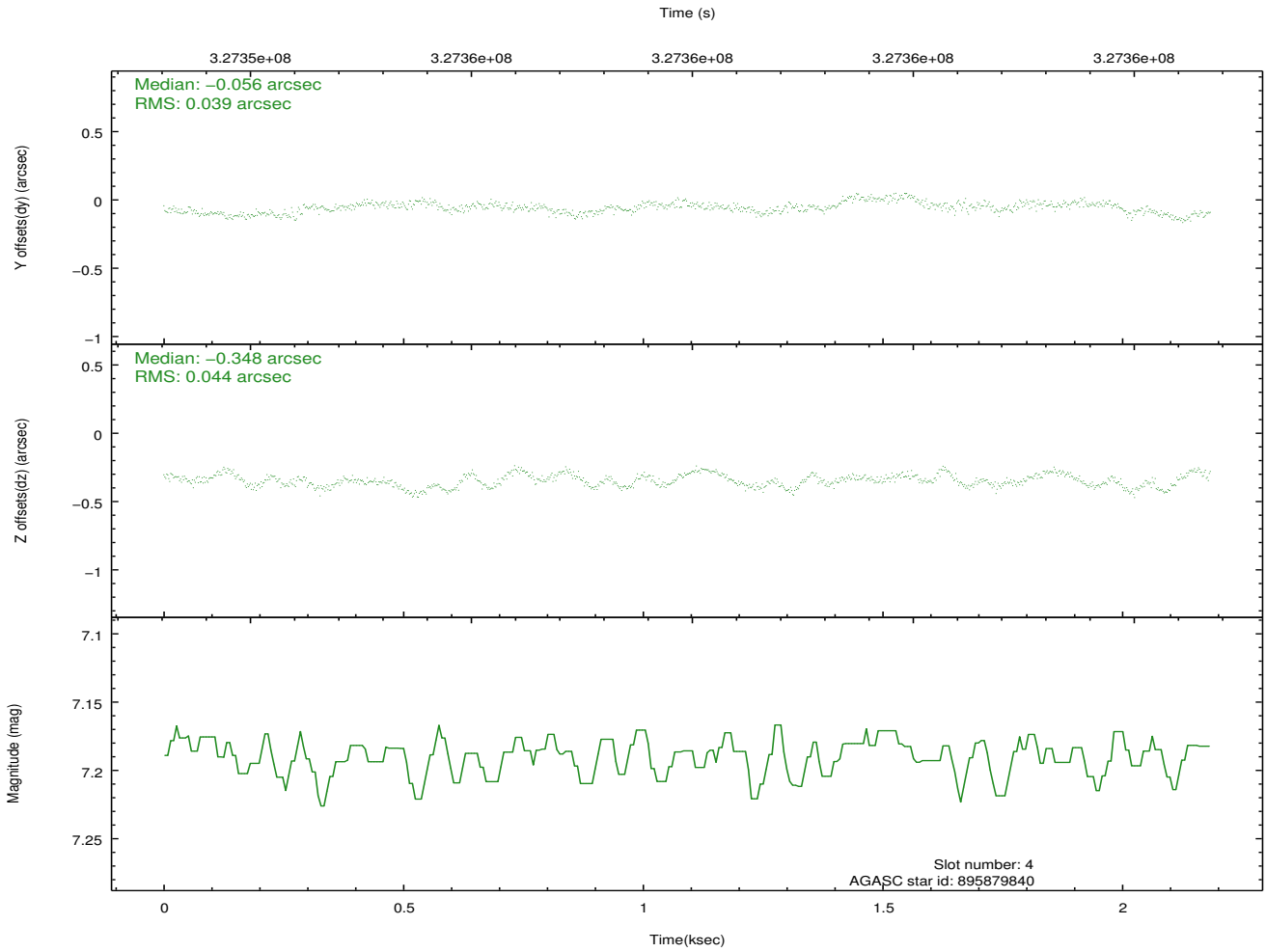
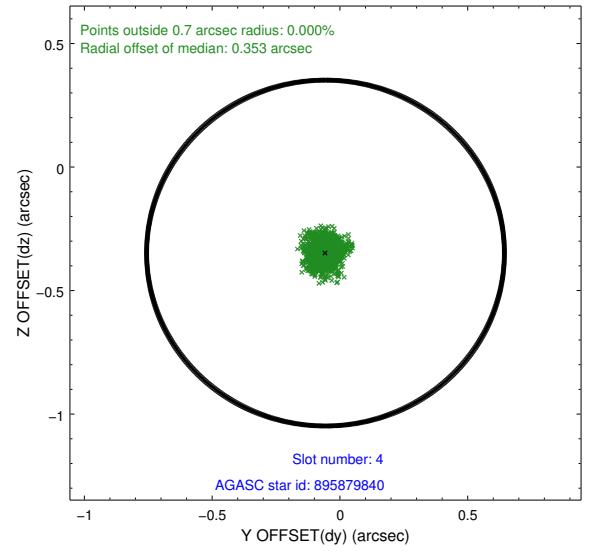
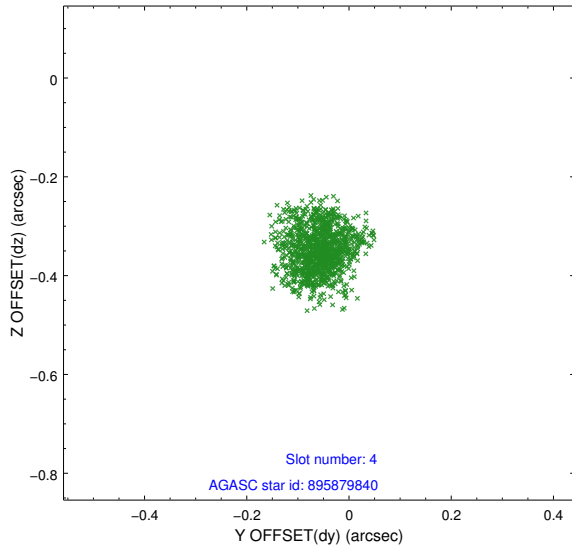
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	-0.034	0.056	0.011	0.022	0.000000	0.000000	926.73	-837.31
1	FID	ACIS-I-4	7.00	533	0.153	0.001	0.011	0.020	0.000000	0.000000	2148.62	1060.94
2	FID	ACIS-I-5	7.04	533	-0.218	0.013	0.010	0.018	0.000000	0.000000	-1817.62	1062.20
3	GUIDE	895879608	8.96	1065	0.185	0.065	0.077	0.124	265.708239	-27.843915	-1540.47	-120.44
4	GUIDE	895879840	7.19	1066	-0.056	-0.348	0.065	0.099	265.218397	-27.395778	-229.22	1701.23
5	GUIDE	896012936	9.35	1062	0.102	0.080	0.114	0.180	266.347947	-28.045149	-1905.60	-2247.48
6	GUIDE	896013040	7.37	1066	-0.114	0.080	0.067	0.107	266.506589	-26.972299	1985.25	-2100.16
7	GUIDE	896014680	8.77	1065	-0.112	0.126	0.072	0.120	266.460330	-27.216583	1097.02	-2101.50

2.4 Star Slots

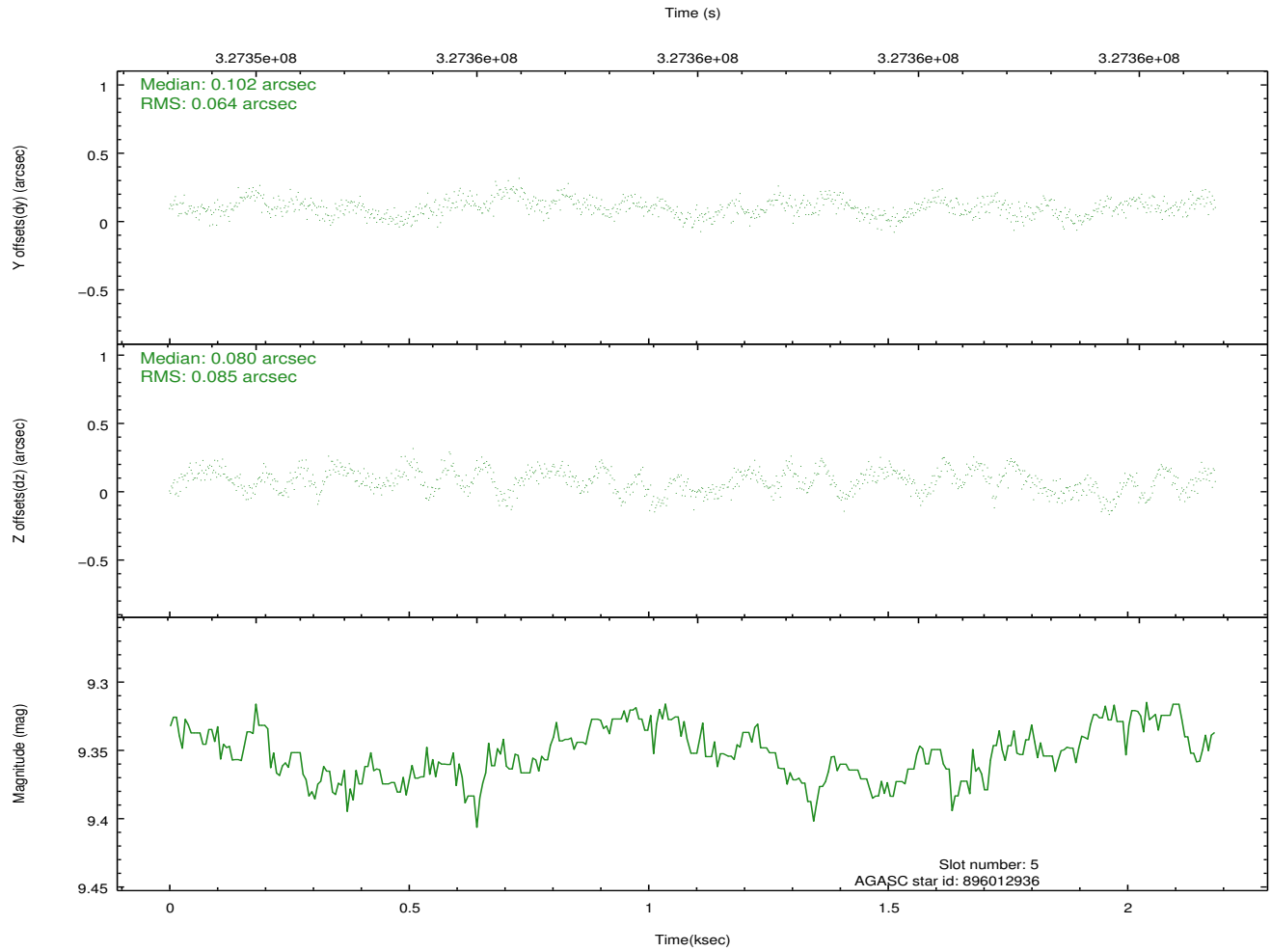
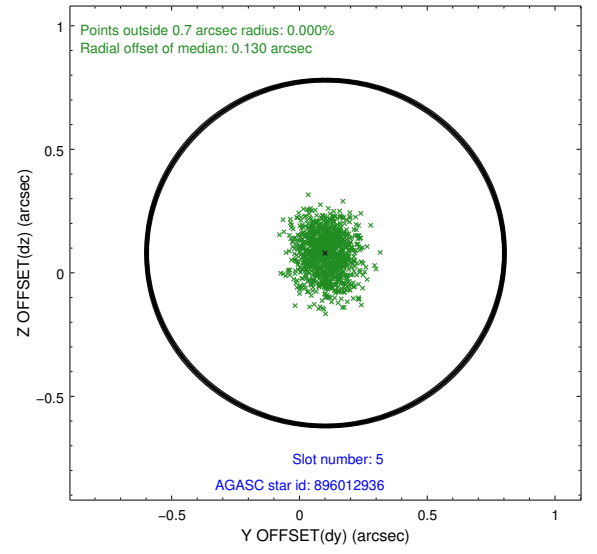
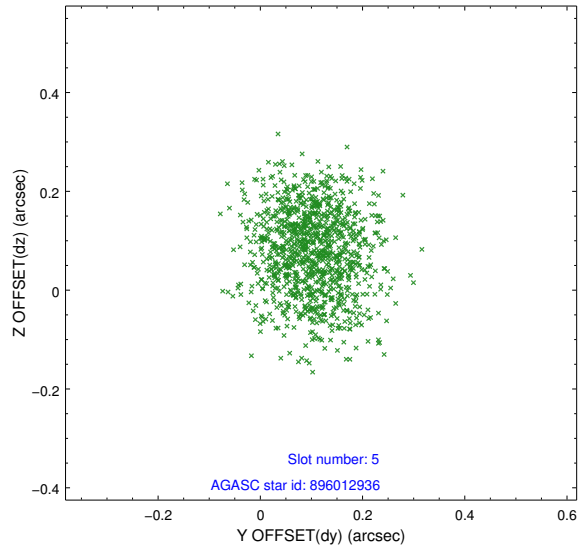
2.4.1 Slot 3



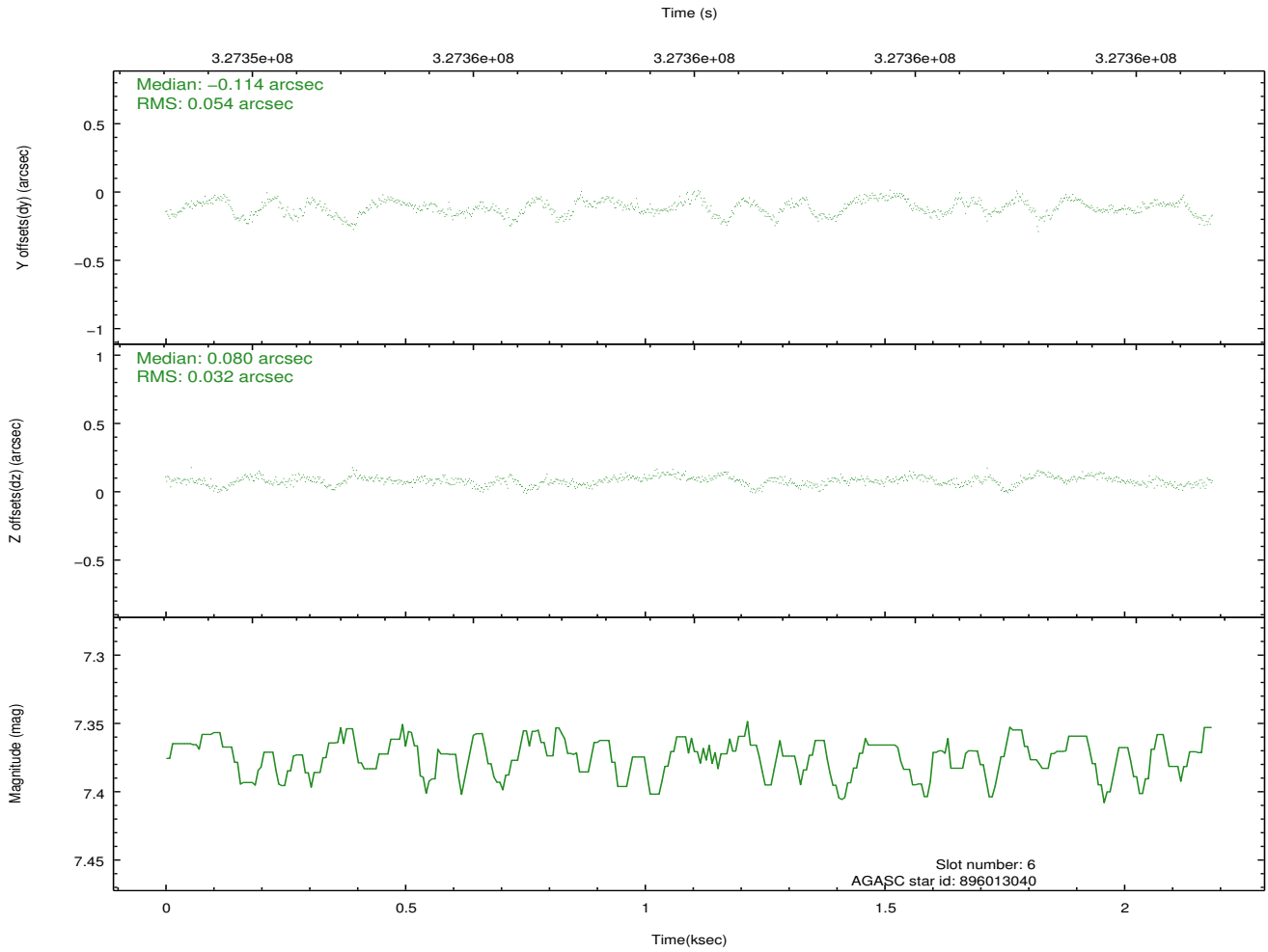
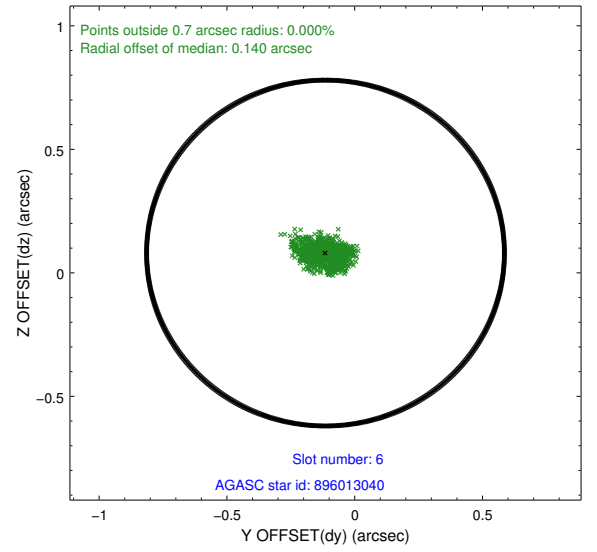
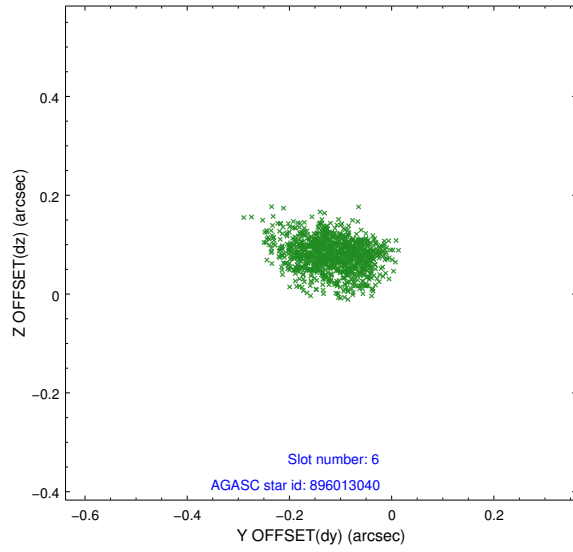
2.4.2 Slot 4



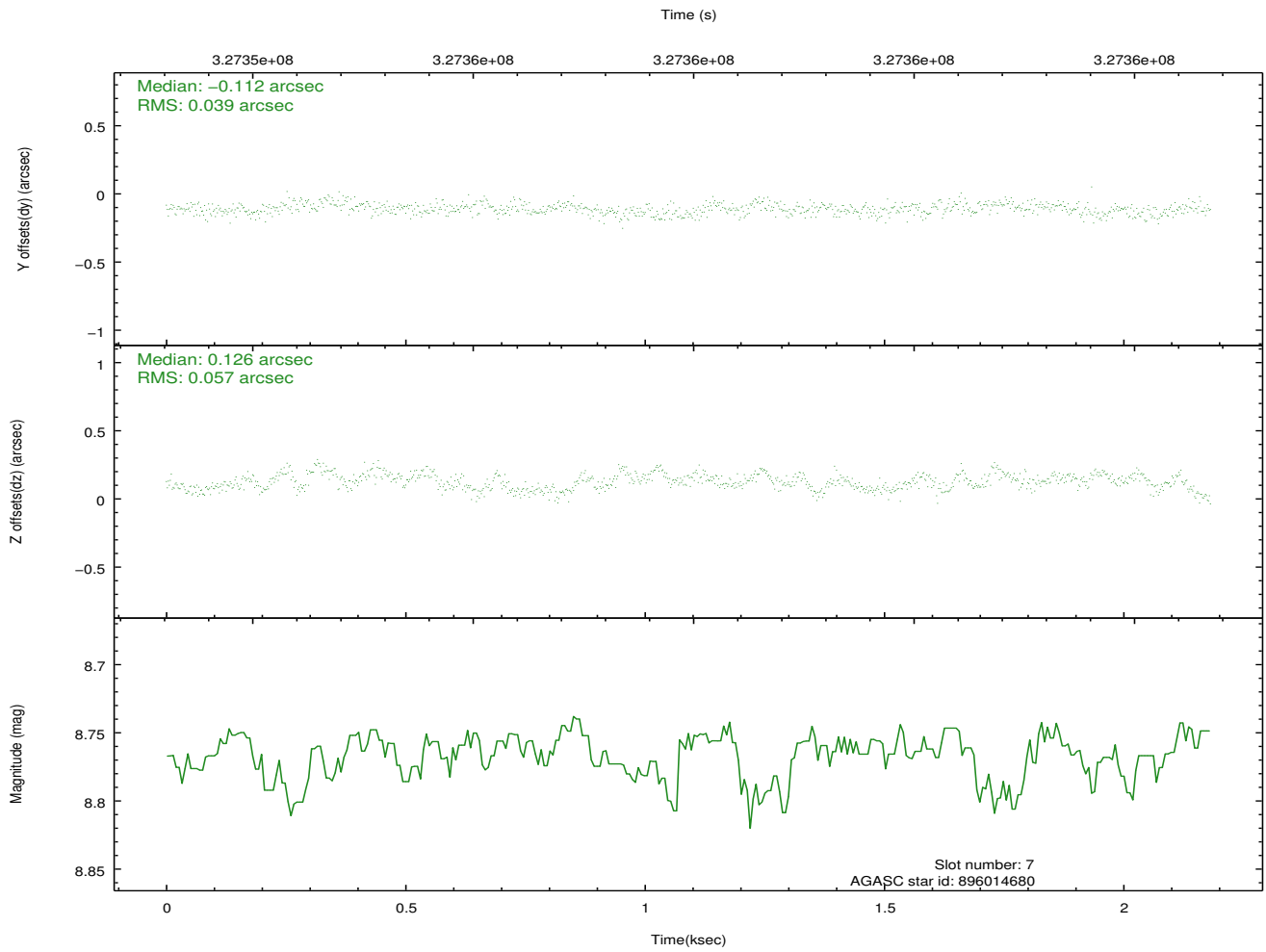
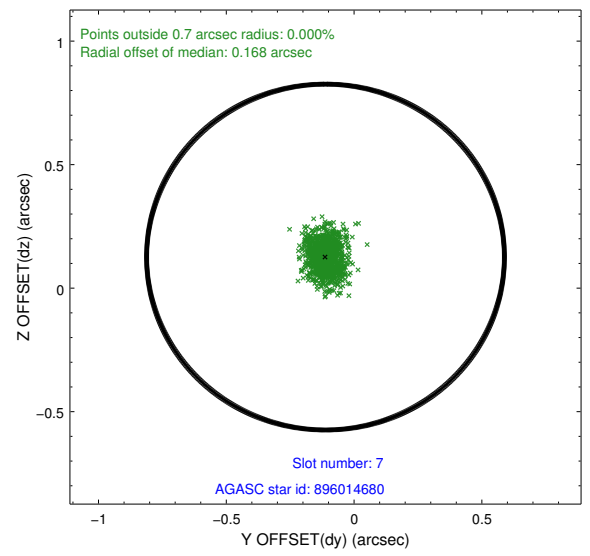
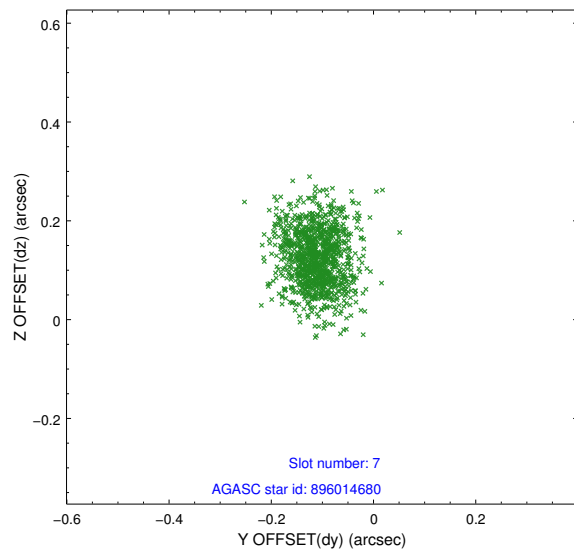
2.4.3 Slot 5



2.4.4 Slot 6

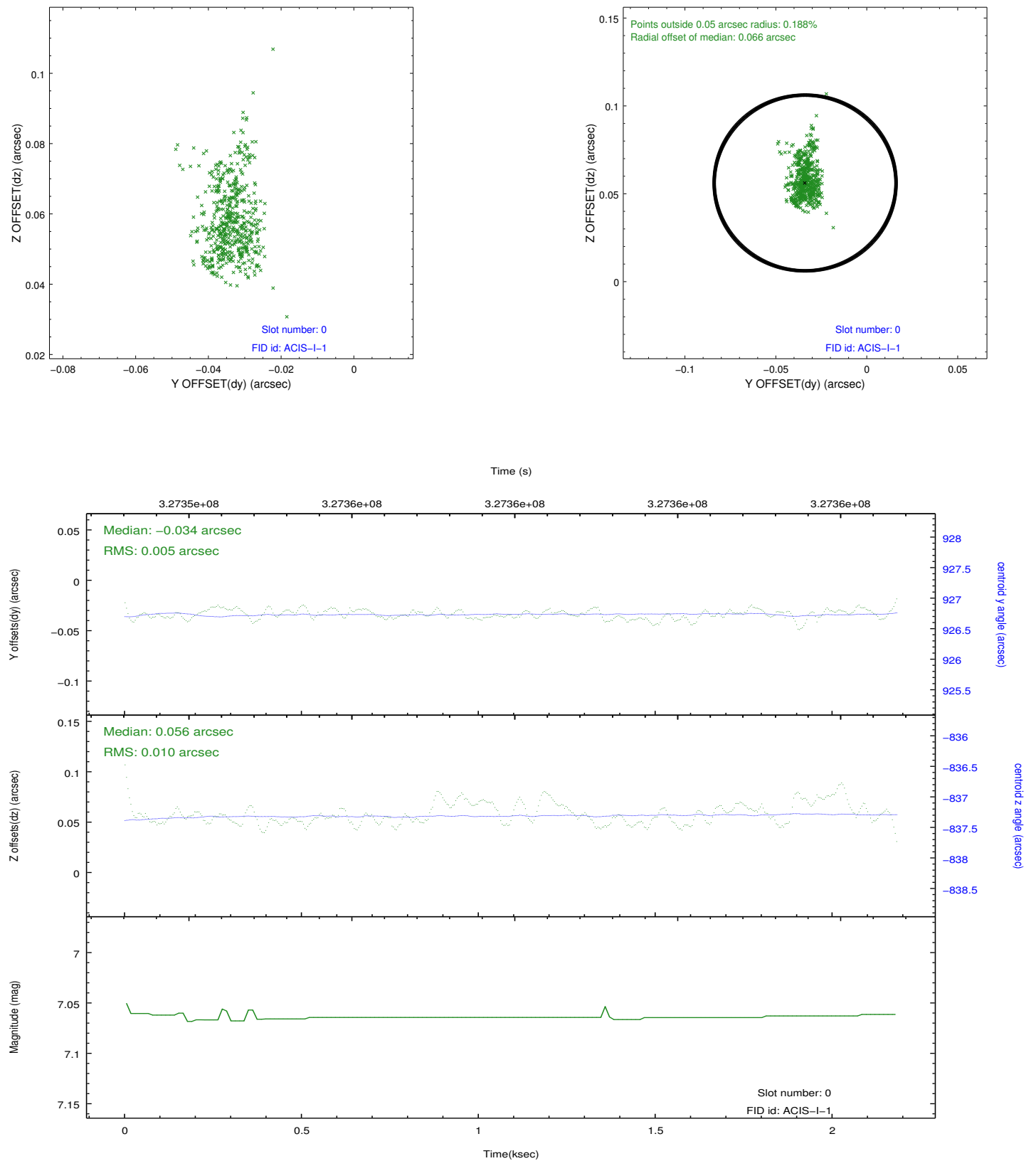


2.4.5 Slot 7

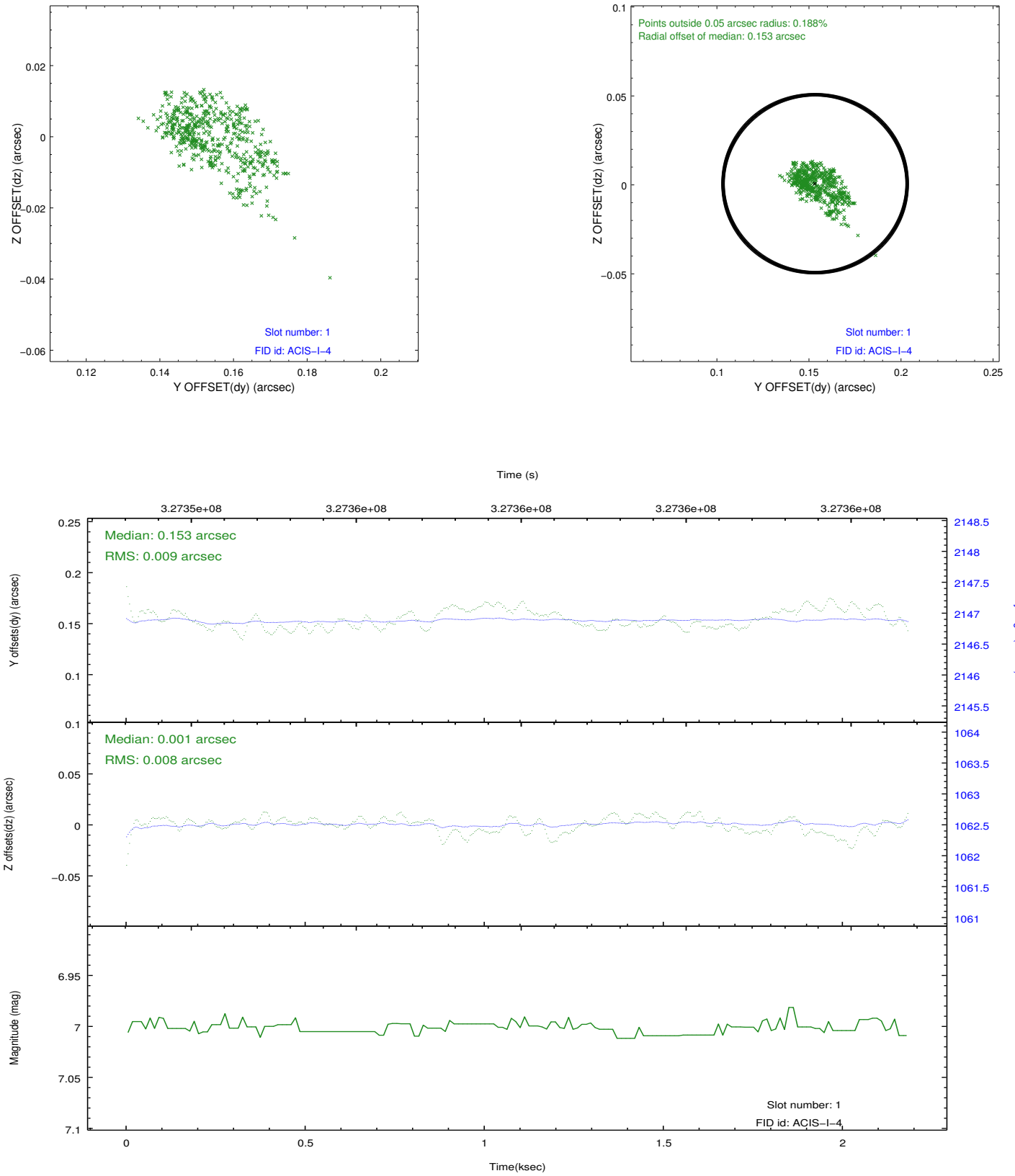


2.5 FID Slots

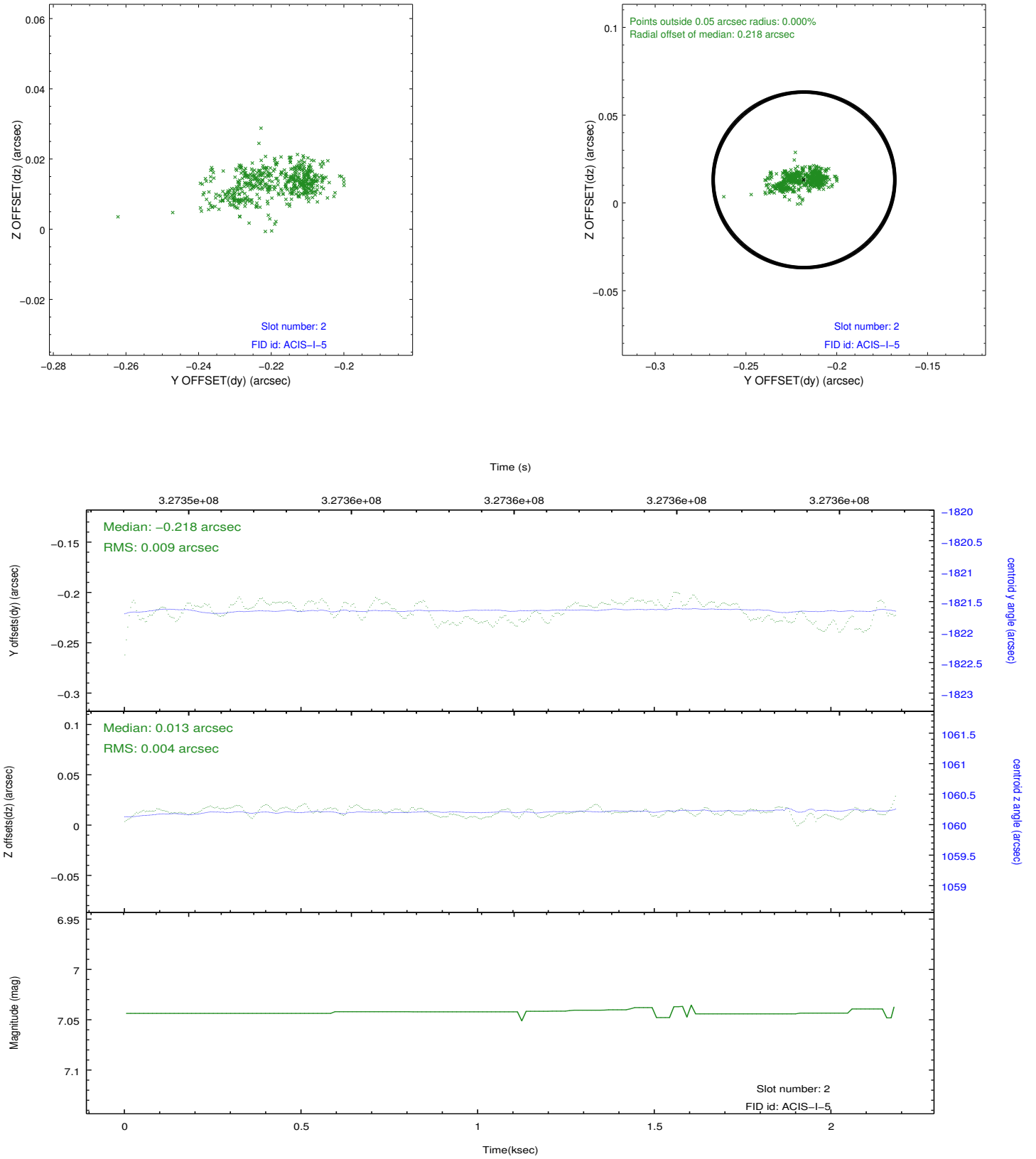
2.5.1 Slot 0



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	2.18240001

A.2 Comments