

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8692 - L2 Version 2
Chandra X-Ray Center

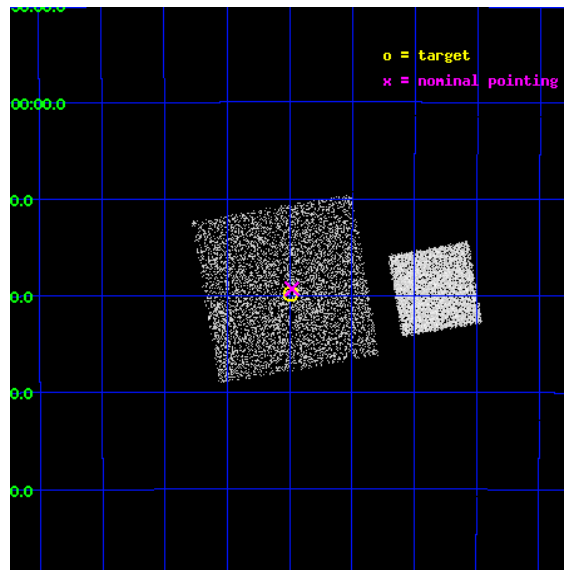
L2 Processing Date : May 15 2012

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1 Front

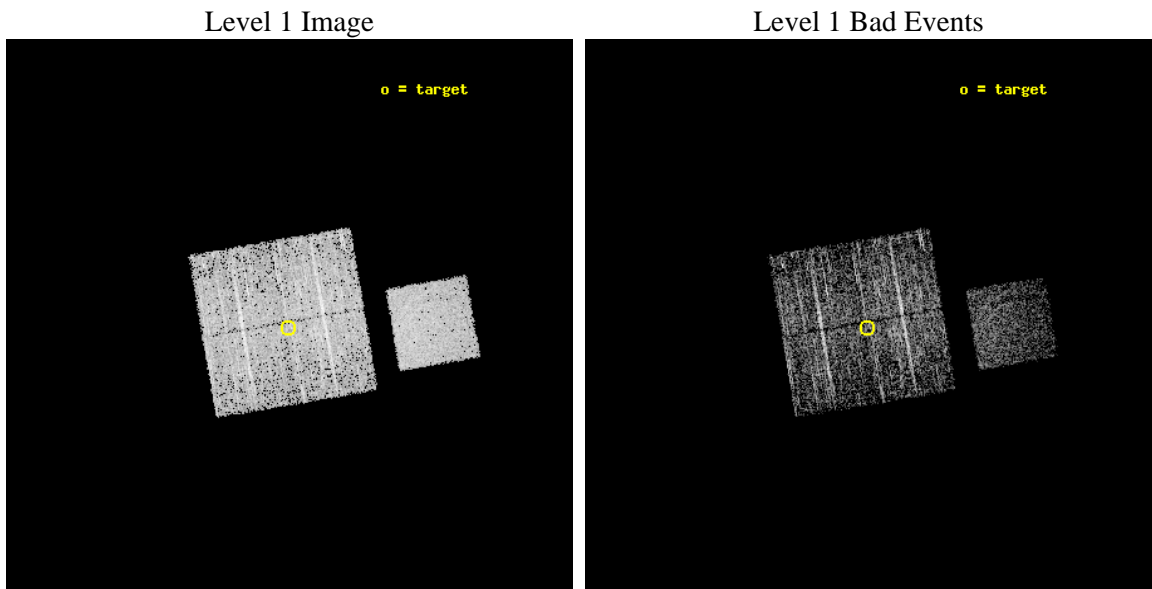
seq_num	400743	Sequence number
obs_id	8692	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.371599	Observer's specified target RA [deg]
dec_targ	-29.329578	Observer's specified target Dec [deg]
ra_nom	264.37031226276	Nominal RA [deg]
dec_nom	-29.321653055924	Nominal Dec [deg]
roll_nom	80.208084722099	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2182.3590164781	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15773	Number of level 2 events



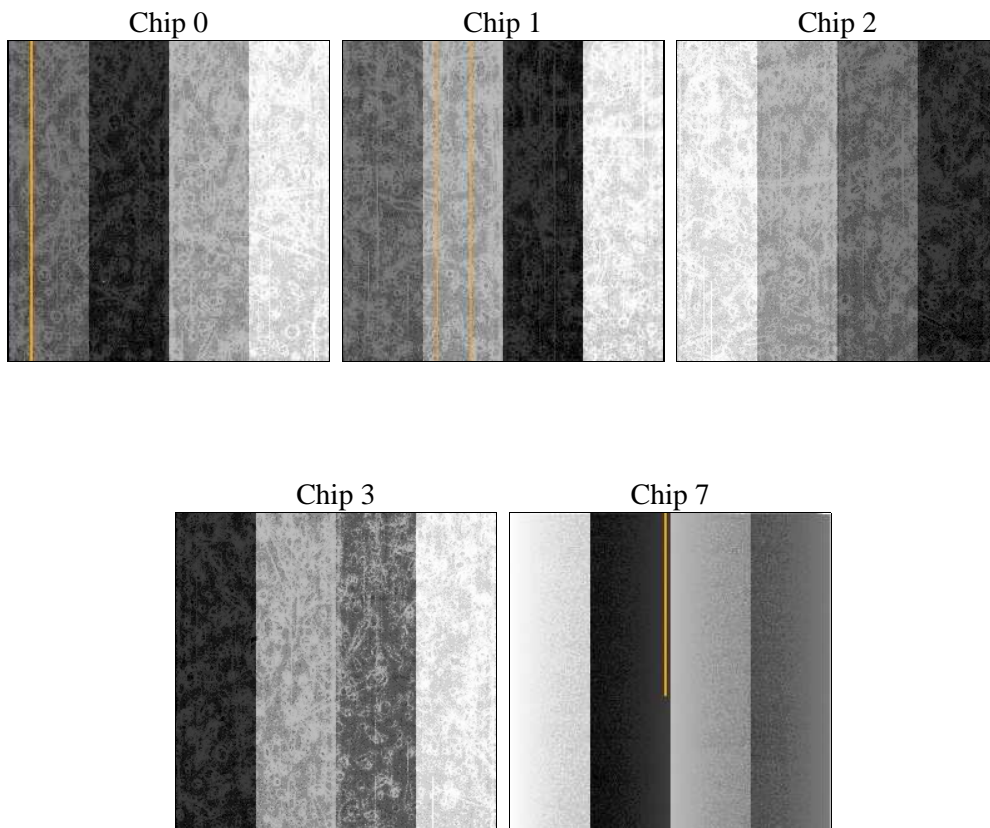
2 OBI

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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-15T04:52:06	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.3590164781	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	103295	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19670	18945	22012	20036	22632
rejected events	17659	16688	19902	18060	13515
rejected %	89%	88%	90%	90%	59%

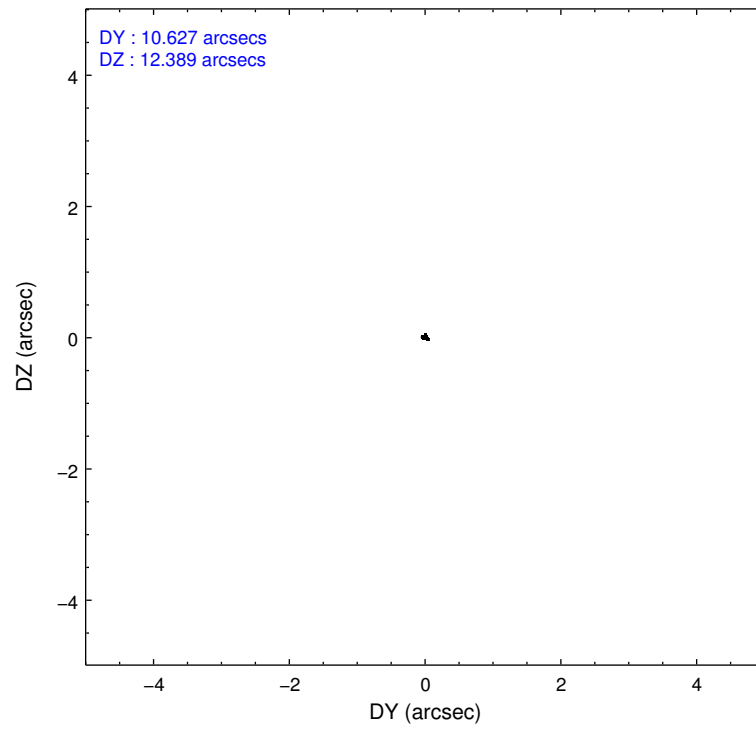
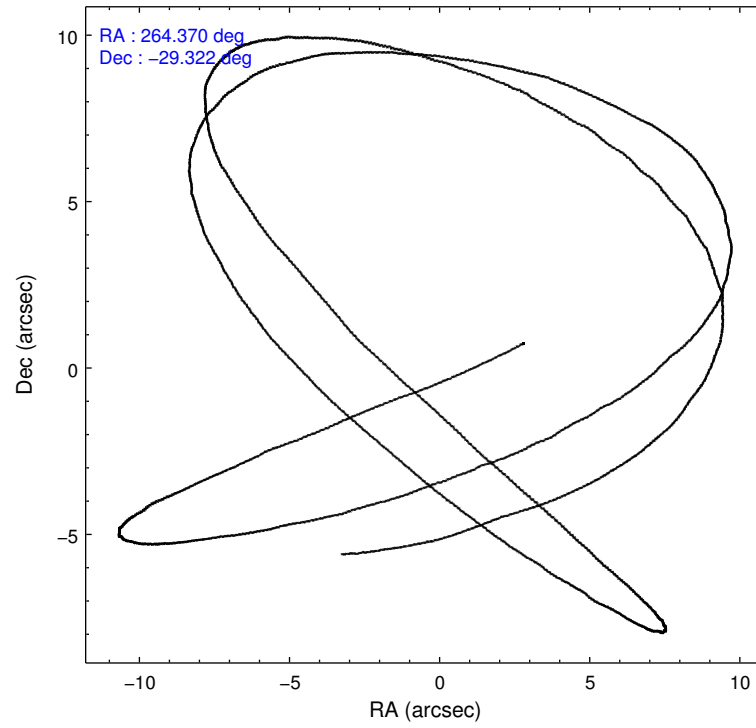
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	929	1054	1084	945	1016
	4%	5%	4%	4%	4%
grade 1 events	18	14	21	10	33
	0%	0%	0%	0%	0%
grade 2 events	507	585	553	453	2177
	2%	3%	2%	2%	9%
grade 3 events	236	247	235	212	956
	1%	1%	1%	1%	4%
grade 4 events	240	241	249	214	996
	1%	1%	1%	1%	4%
grade 5 events	713	772	649	818	2342
	3%	4%	2%	4%	10%
grade 6 events	388	451	380	423	5336
	1%	2%	1%	2%	23%
grade 7 events	16639	15581	18841	16961	9776
	84%	82%	85%	84%	43%

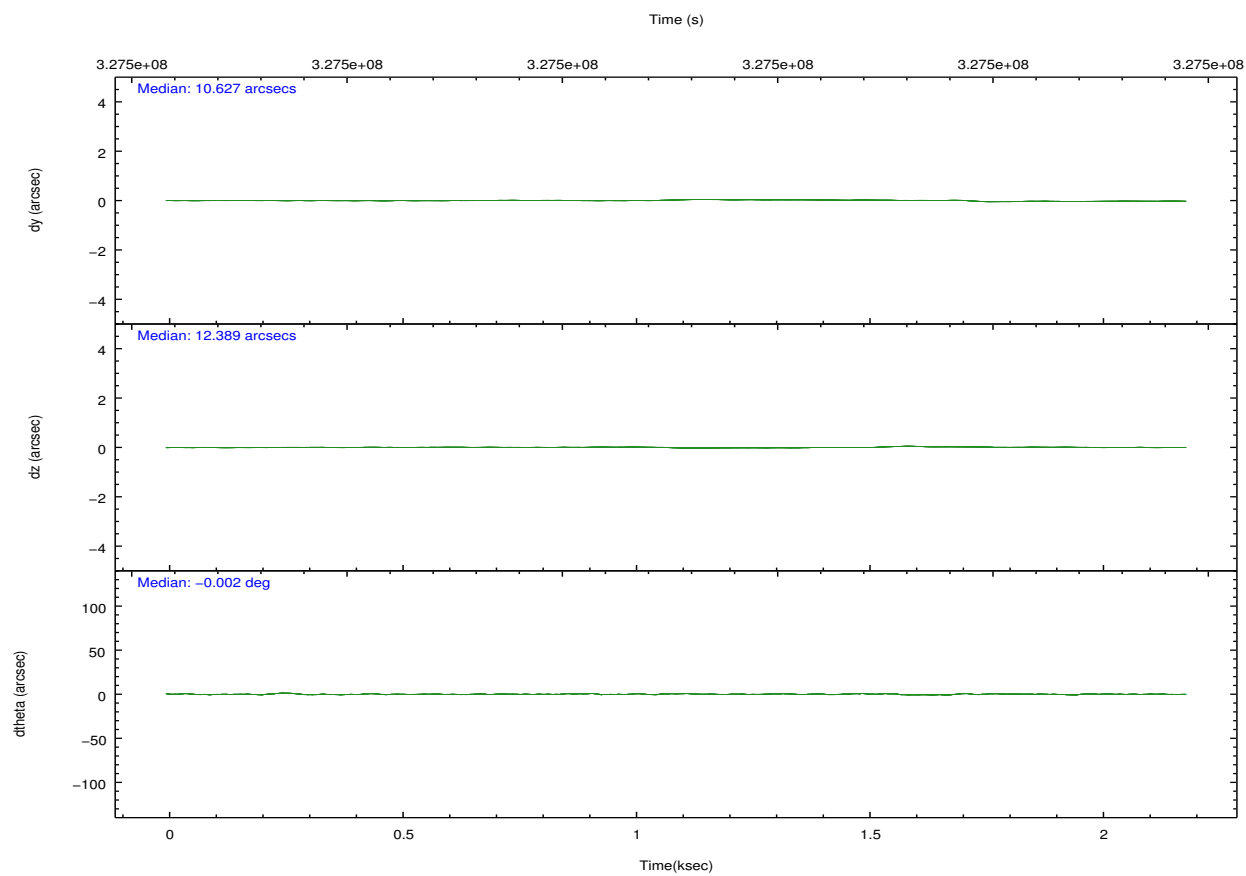
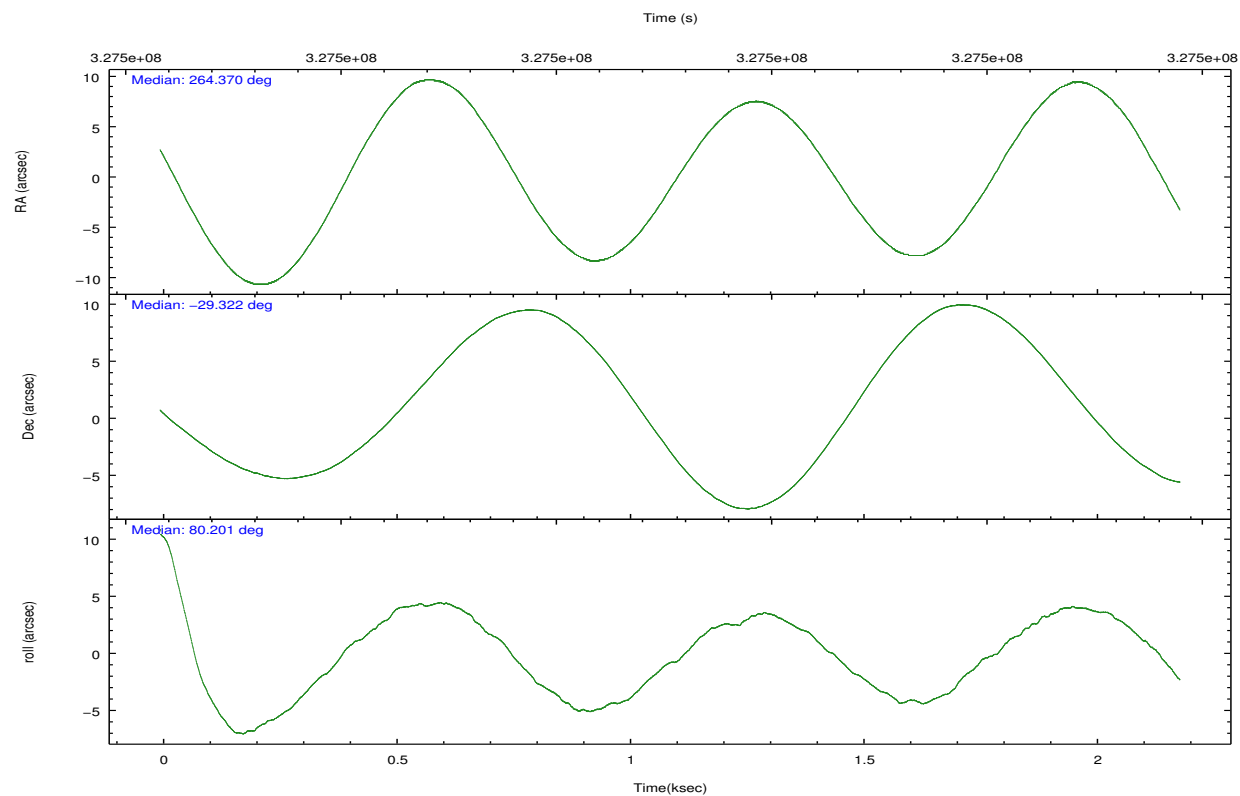
2.2 Compared Parameters

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	264.381411	264.3703122627613
[deg] Pointing Dec	-29.347330	-29.3216530559238
[deg] Pointing Roll	80.004813	80.20808472209858
[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)	327502354.184000	327501978.3596
Observation start date	2008-05-18T12:51:29	2008-05-18T12:46:18
[s] Observation end time (MET)	327504354.184000	327504488.07222
Observation end date	2008-05-18T13:24:49	2008-05-18T13:28:08
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



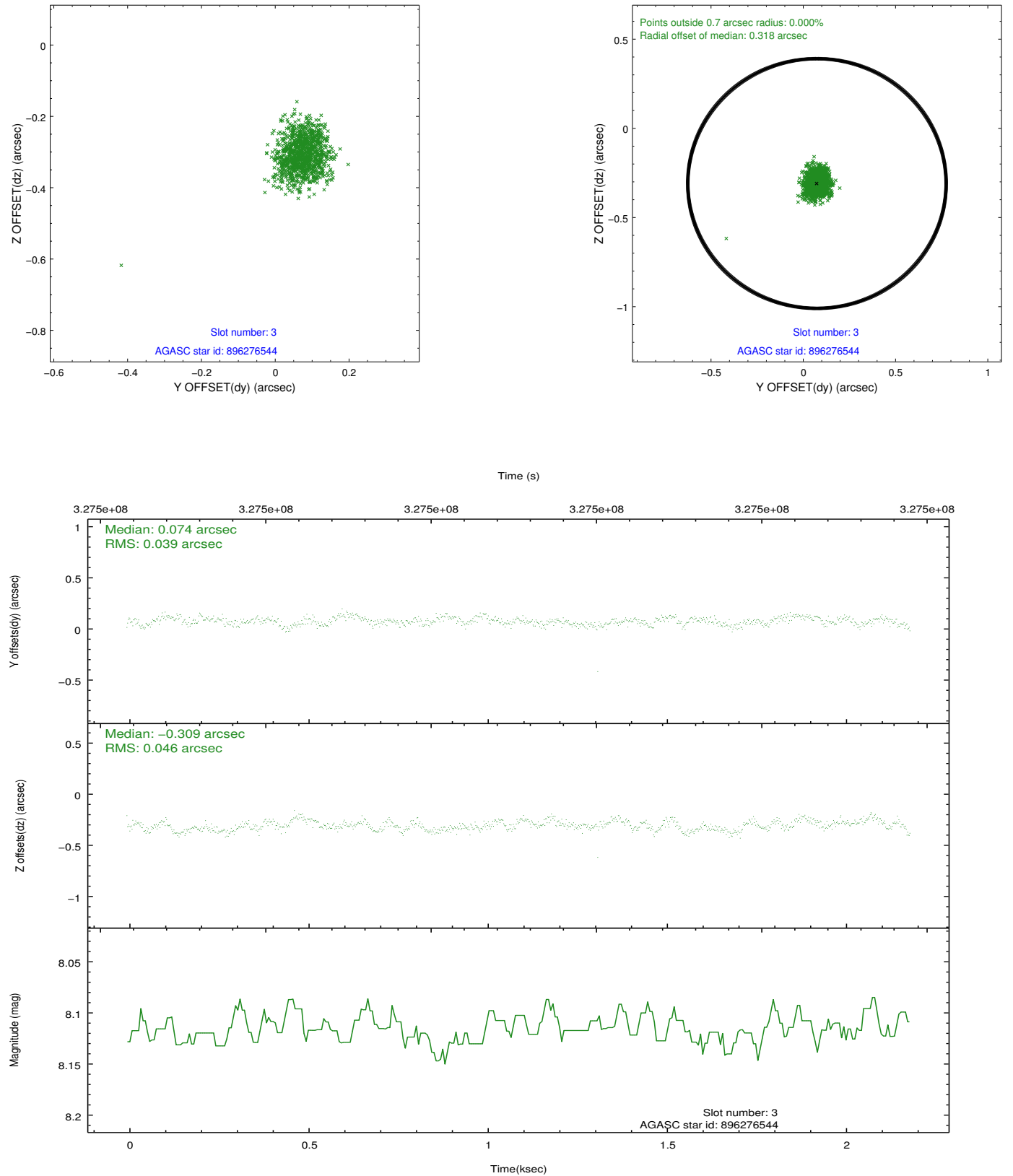


Slot Statistics

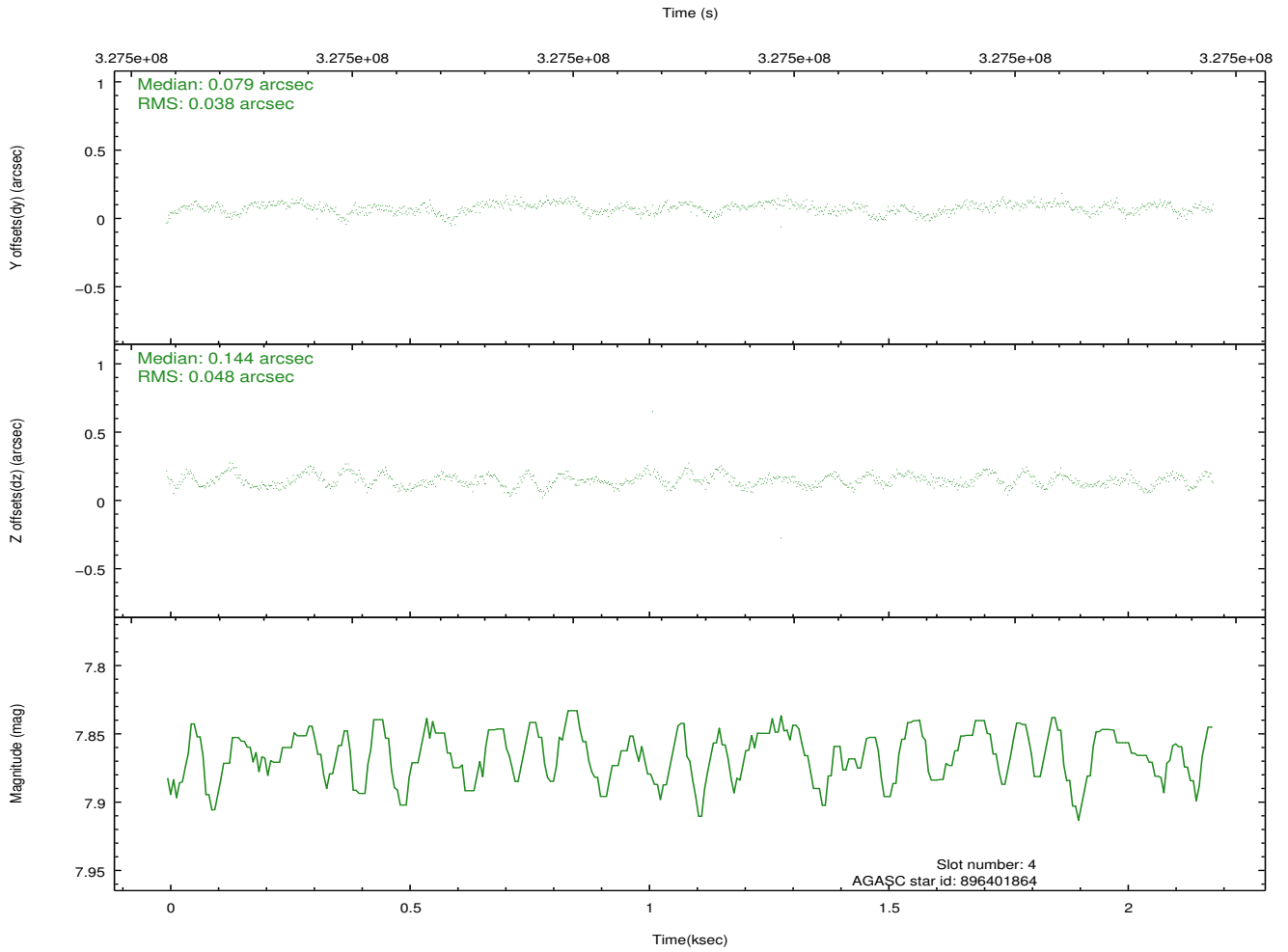
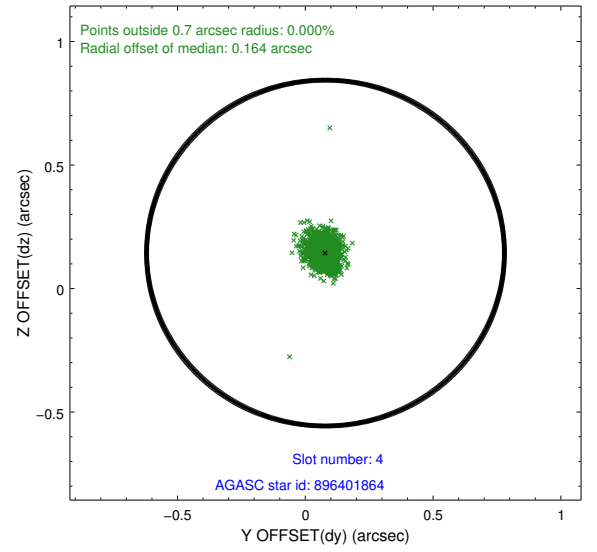
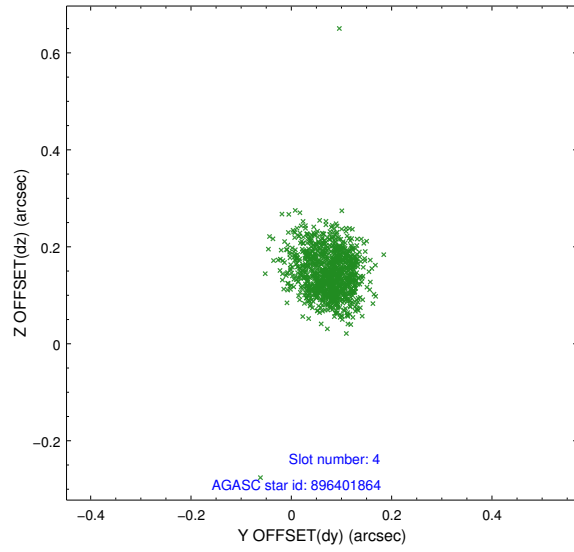
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	0.035	0.016	0.006	0.010	0.000000	0.000000	928.98	-835.91
1	FID	ACIS-I-5	7.04	533	-0.160	0.060	0.006	0.010	0.000000	0.000000	-1817.65	1060.15
2	FID	ACIS-I-6	7.05	533	0.035	-0.006	0.006	0.010	0.000000	0.000000	391.30	1707.95
3	GUIDE	896276544	8.12	1067	0.074	-0.309	0.063	0.100	263.666616	-29.255819	-71.64	2266.46
4	GUIDE	896401864	7.86	1066	0.079	0.144	0.060	0.100	264.861768	-29.959752	-1913.52	-1856.88
5	GUIDE	896402976	7.50	1067	-0.034	0.204	0.070	0.120	265.099474	-28.923203	1888.62	-1965.96
6	GUIDE	896403072	8.33	1067	-0.093	-0.107	0.054	0.085	263.956439	-28.943077	1200.51	1568.74
7	GUIDE	896404376	6.66	1066	-0.029	0.061	0.064	0.096	264.835179	-29.530972	-405.27	-1513.68

2.4 Star Slots

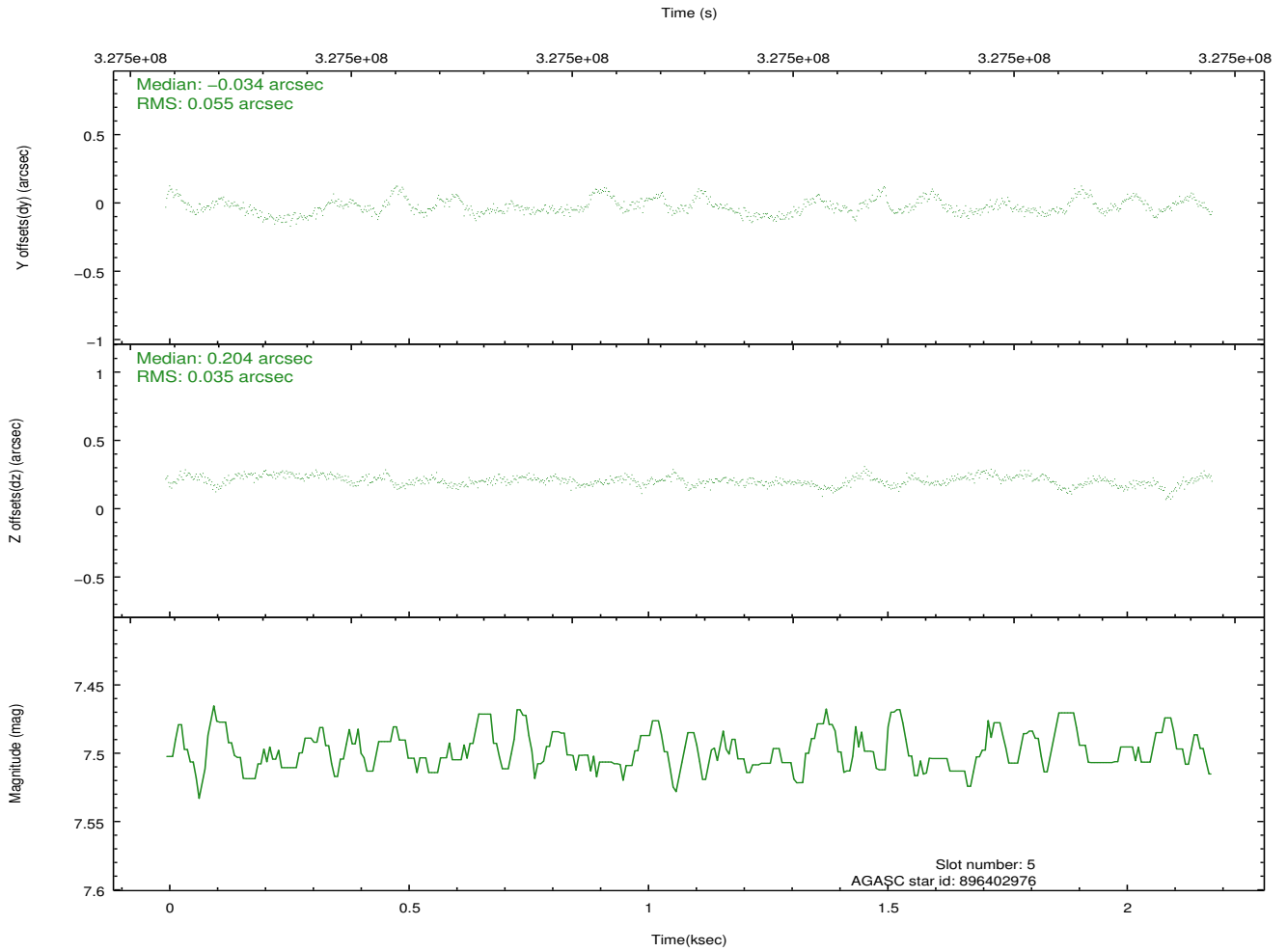
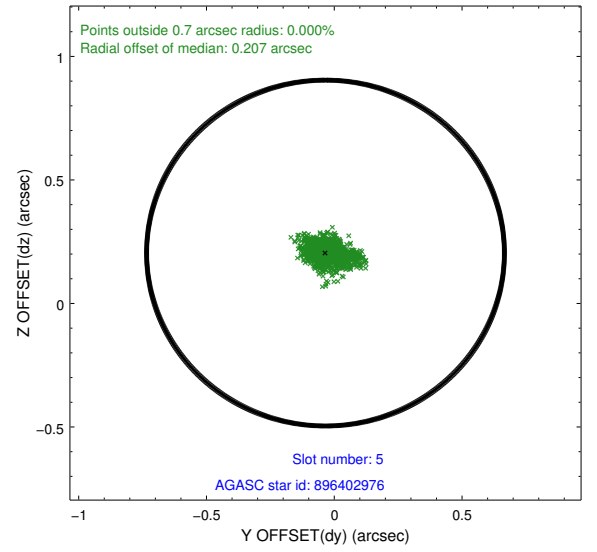
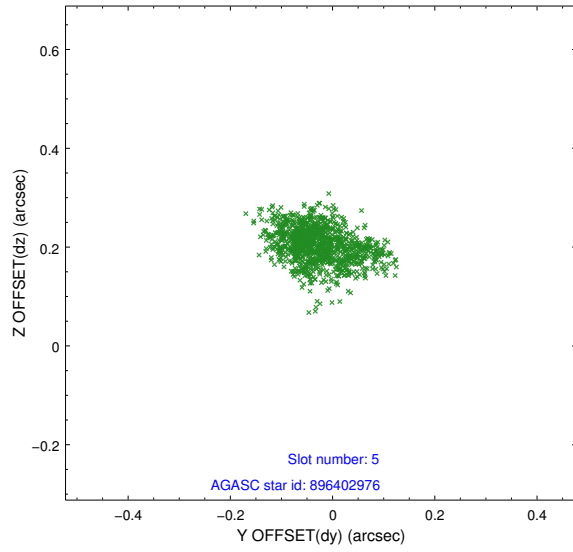
2.4.1 Slot 3



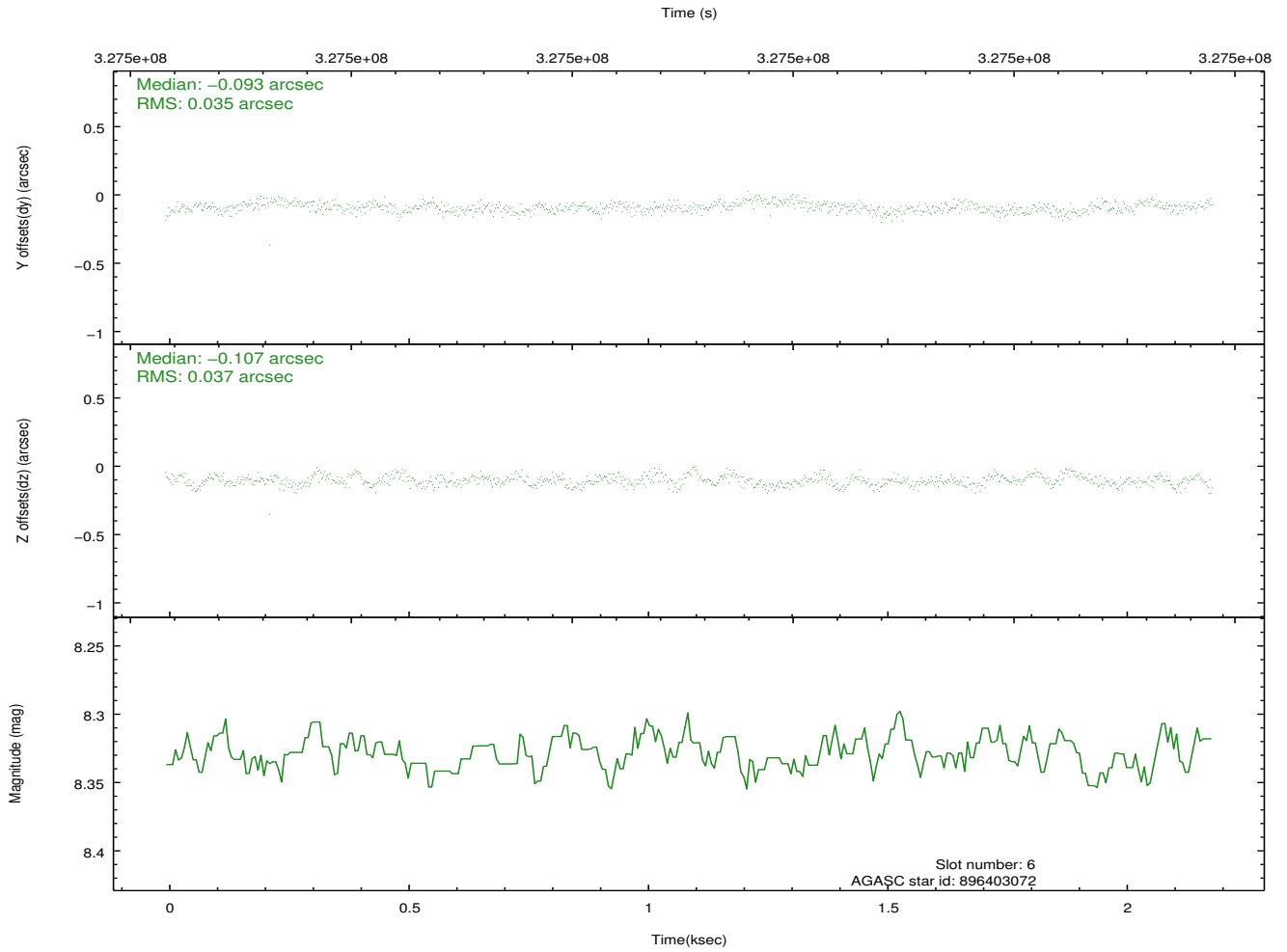
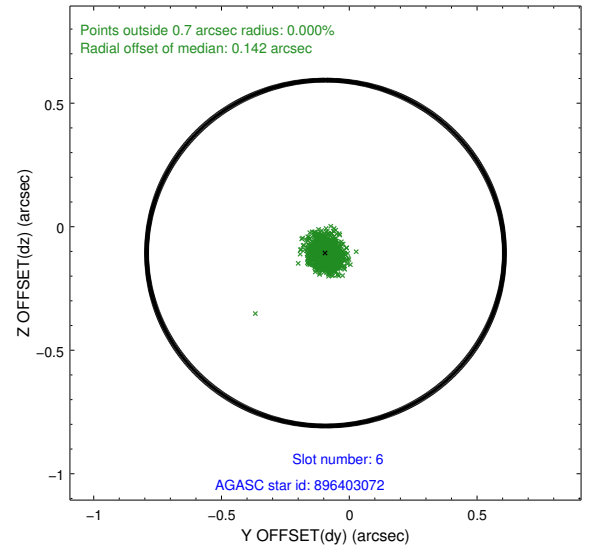
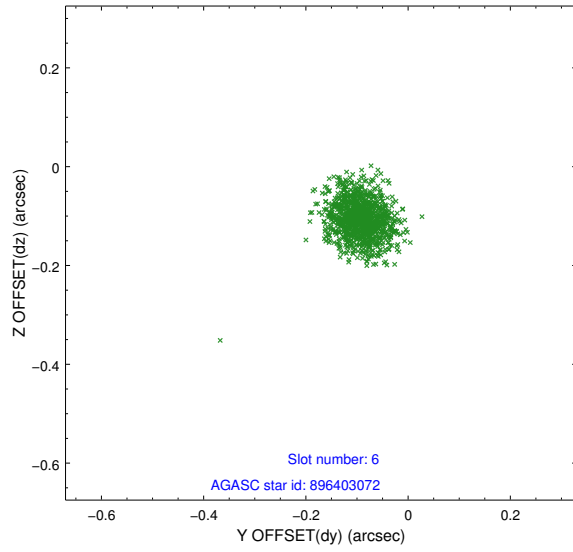
2.4.2 Slot 4



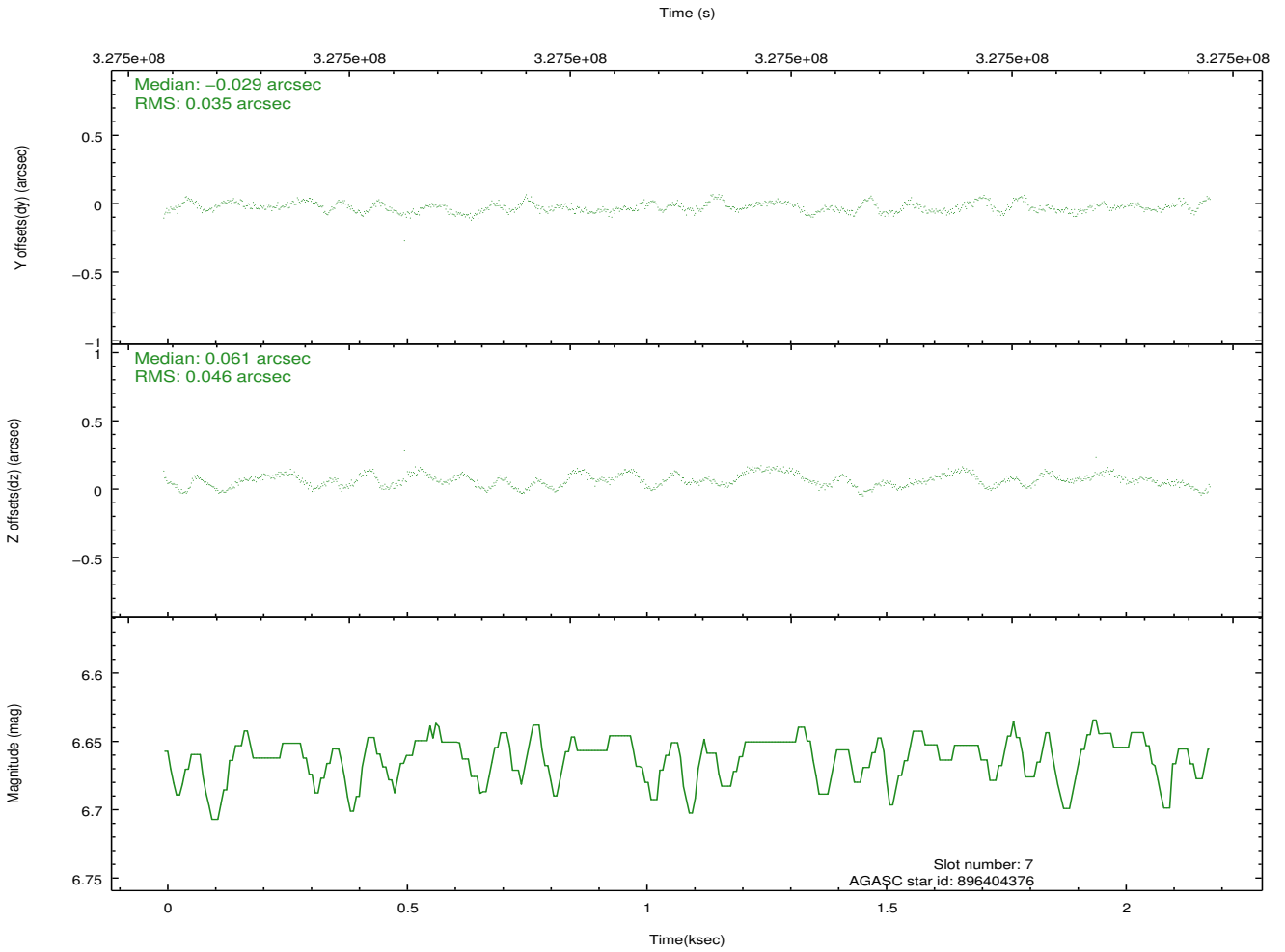
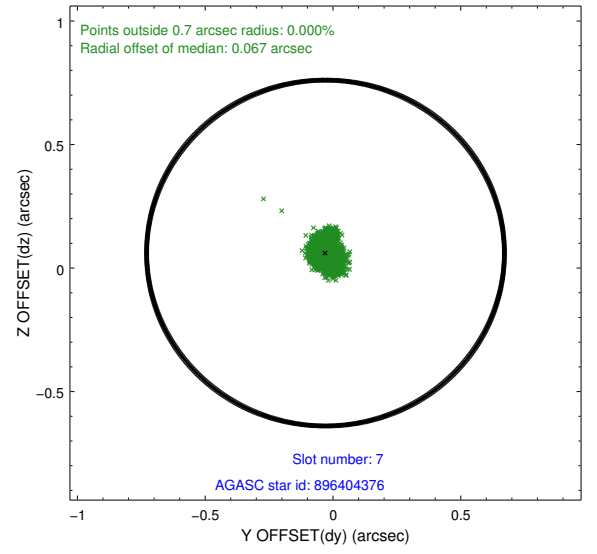
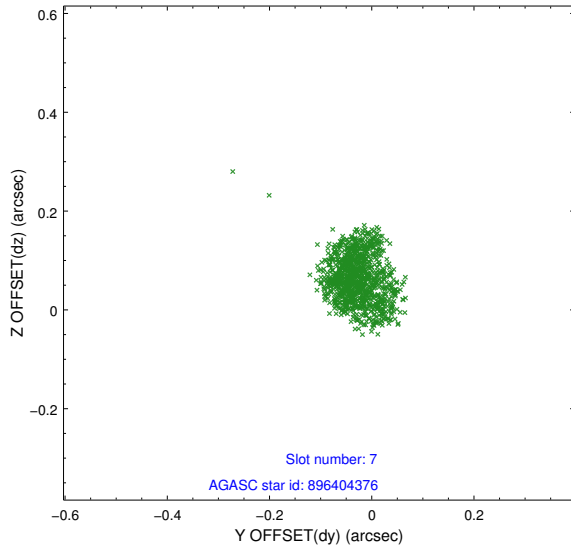
2.4.3 Slot 5



2.4.4 Slot 6

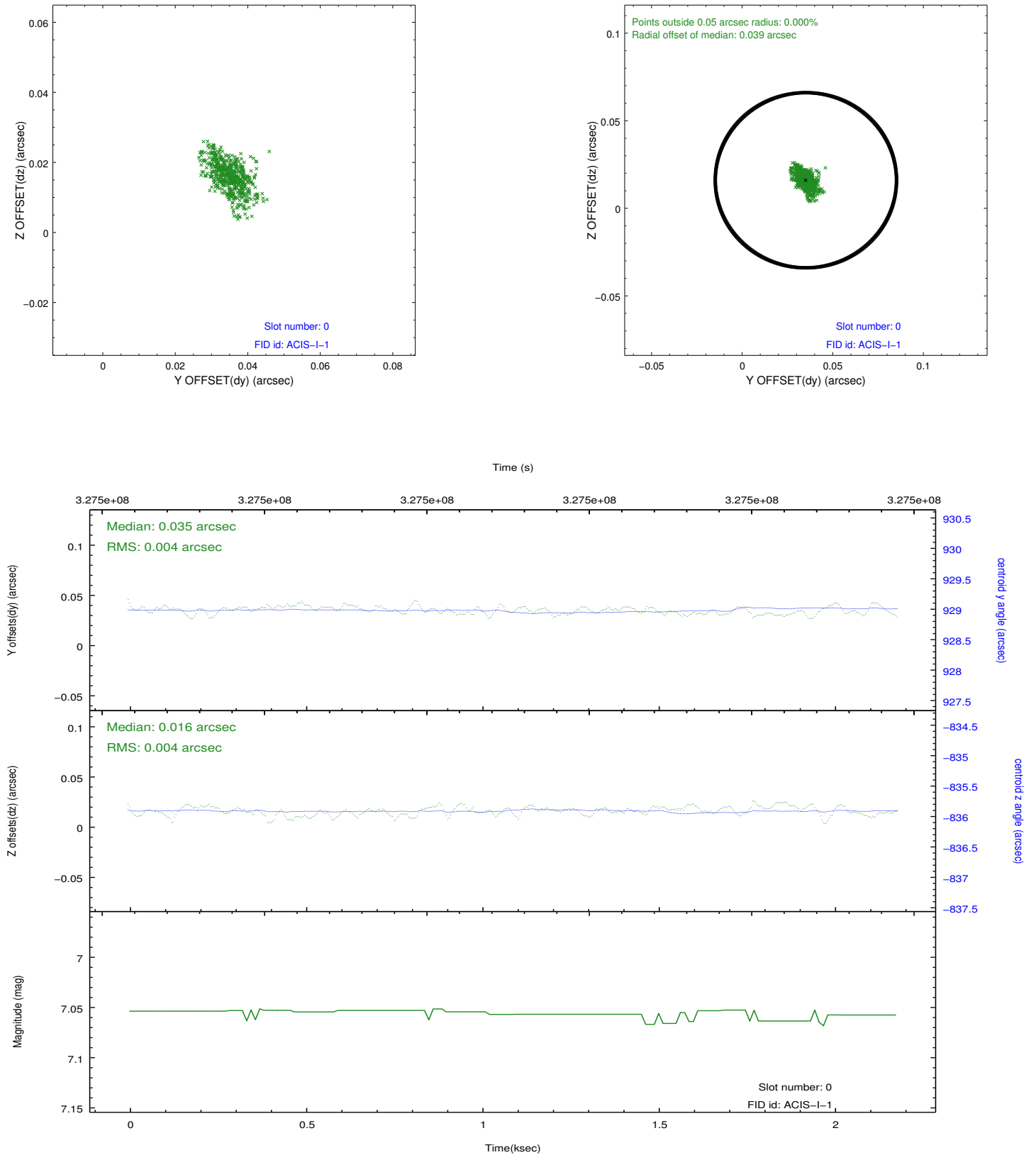


2.4.5 Slot 7

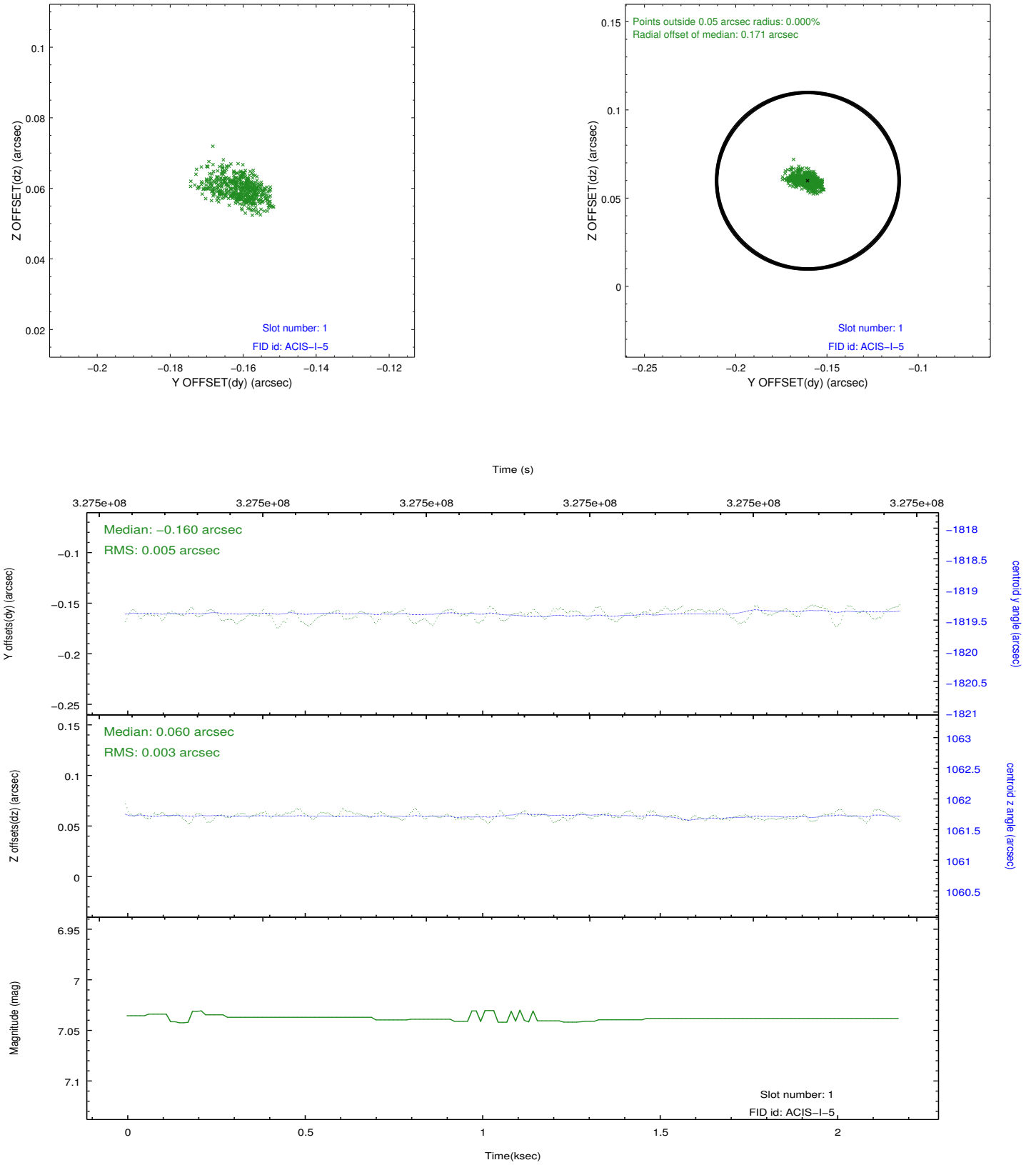


2.5 FID Slots

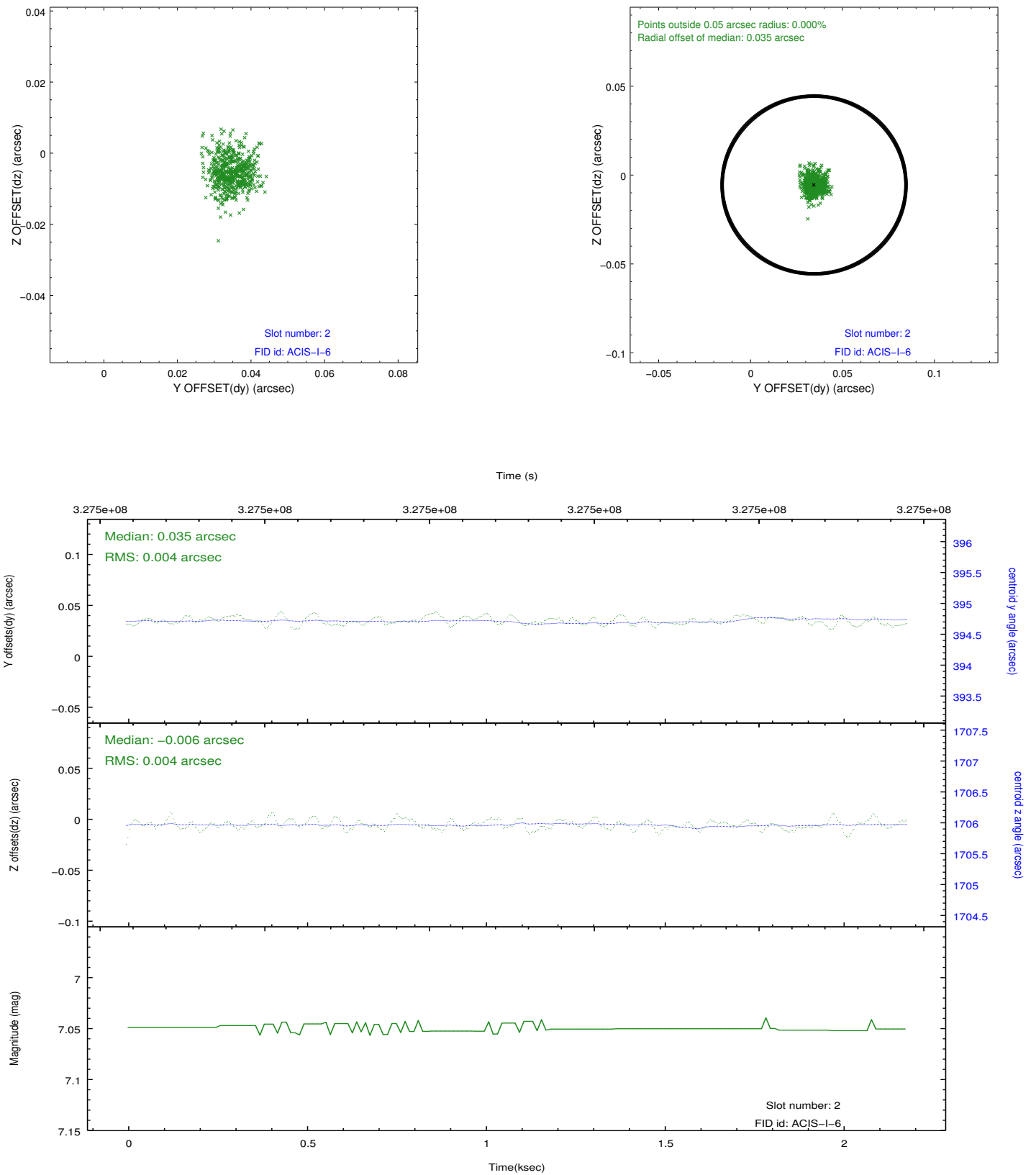
2.5.1 Slot 0



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	2.18550001

A.2 Comments