

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8724 - L2 Version 2
Chandra X-Ray Center

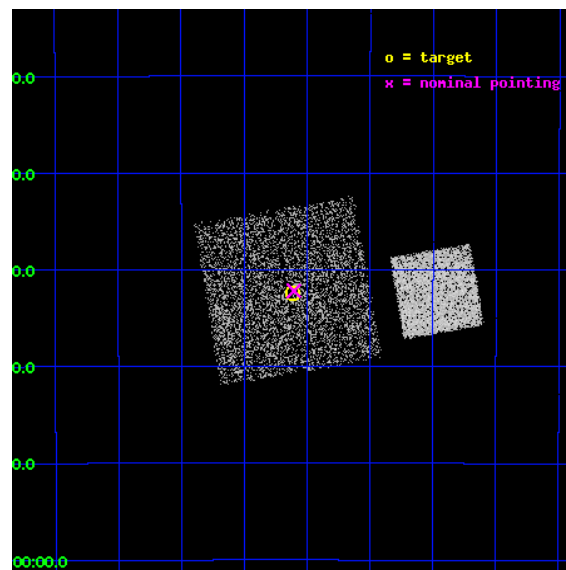
L2 Processing Date : May 14 2012

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1 Front

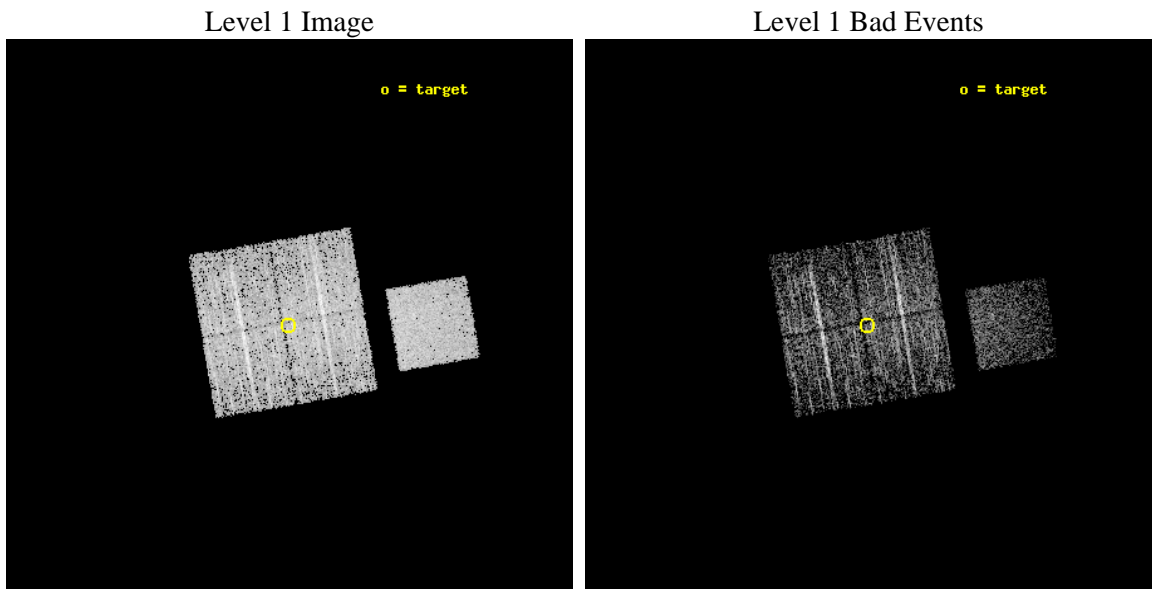
seq_num	400775	Sequence number
obs_id	8724	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.403204	Observer's specified target RA [deg]
dec_targ	-28.541177	Observer's specified target Dec [deg]
ra_nom	268.40125162371	Nominal RA [deg]
dec_nom	-28.536587705184	Nominal Dec [deg]
roll_nom	80.207806402022	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2185.4590365291	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	16226	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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.4590365291	Sum of GTIs [s]
date	2012-05-14T20:45:34	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	101980	Number of level 1 events

2.1.4 Events

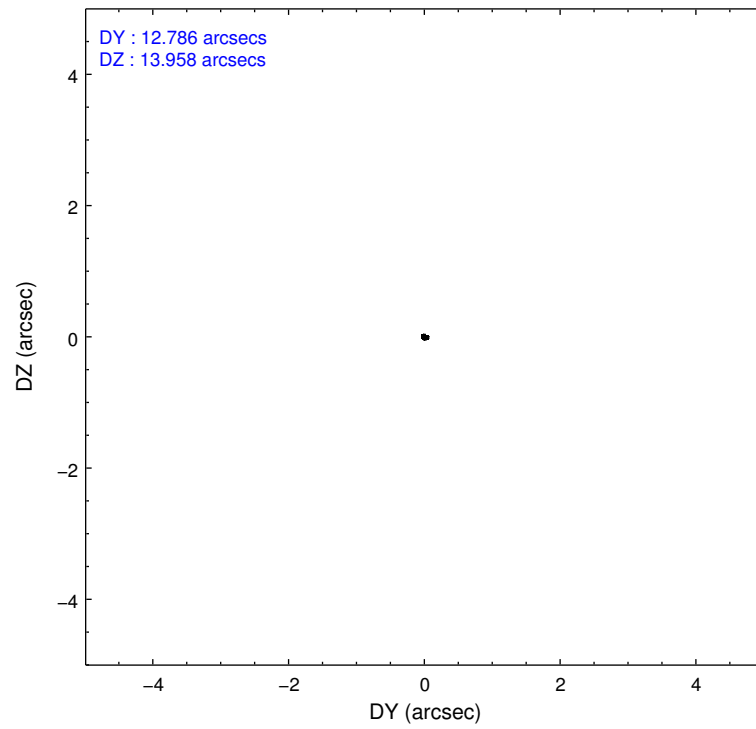
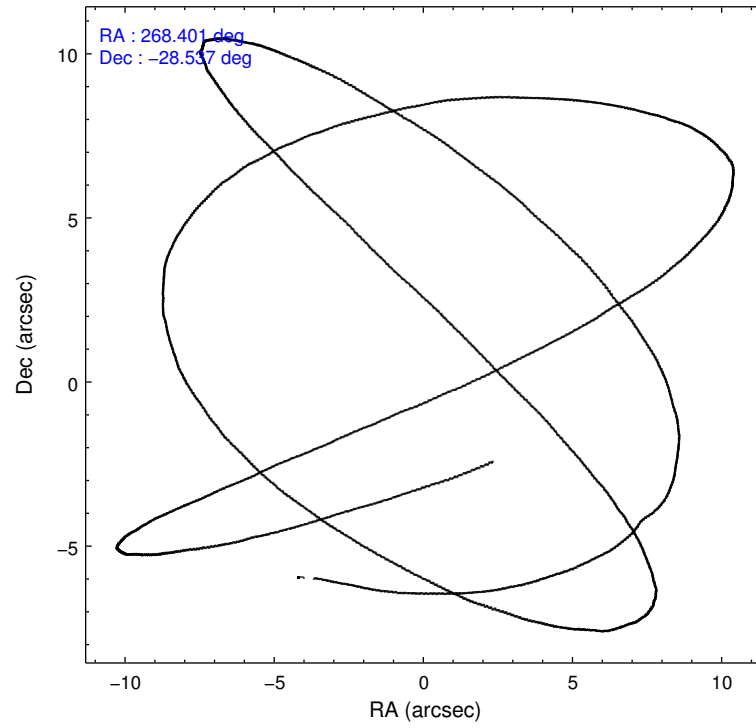
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19213	19408	20579	20090	22690
rejected events	17097	16999	18474	18115	13383
rejected %	88%	87%	89%	90%	58%

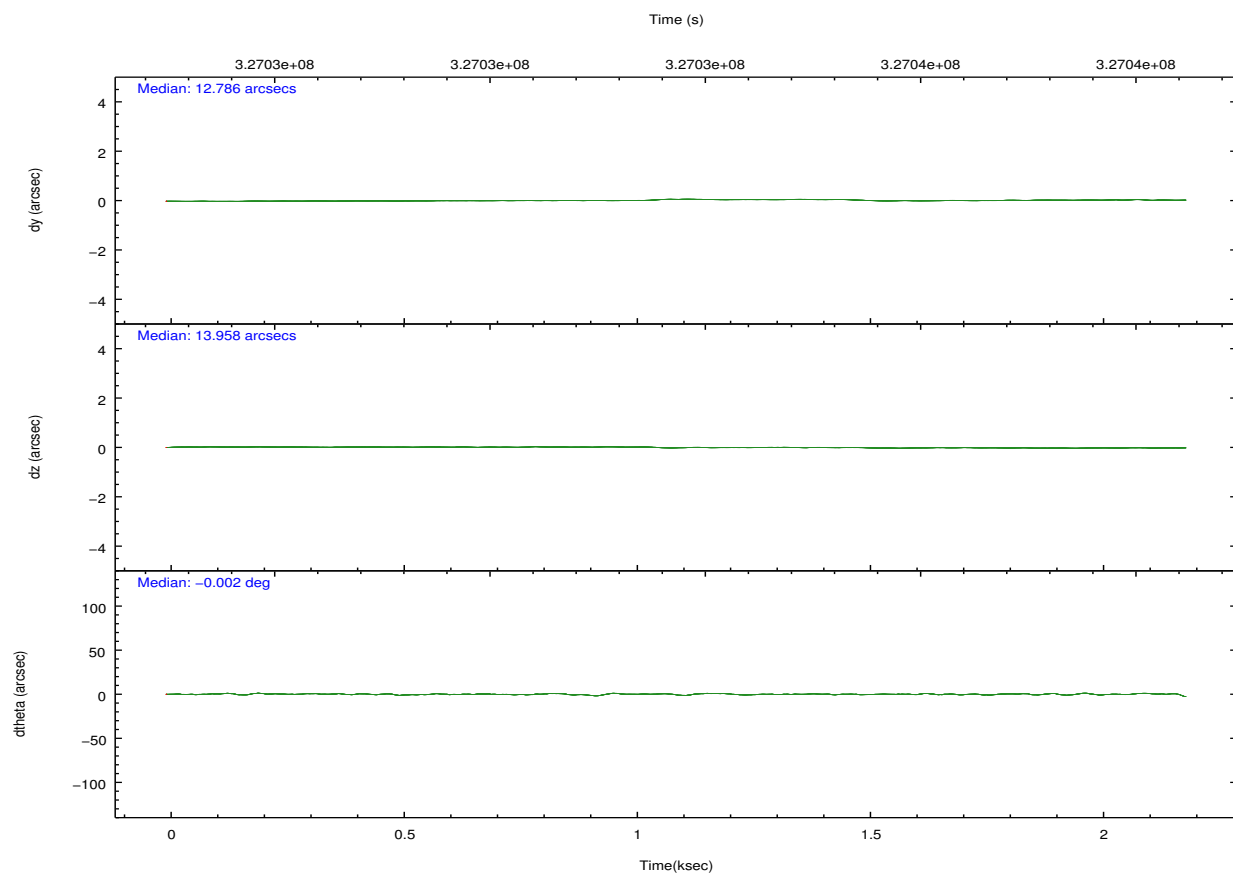
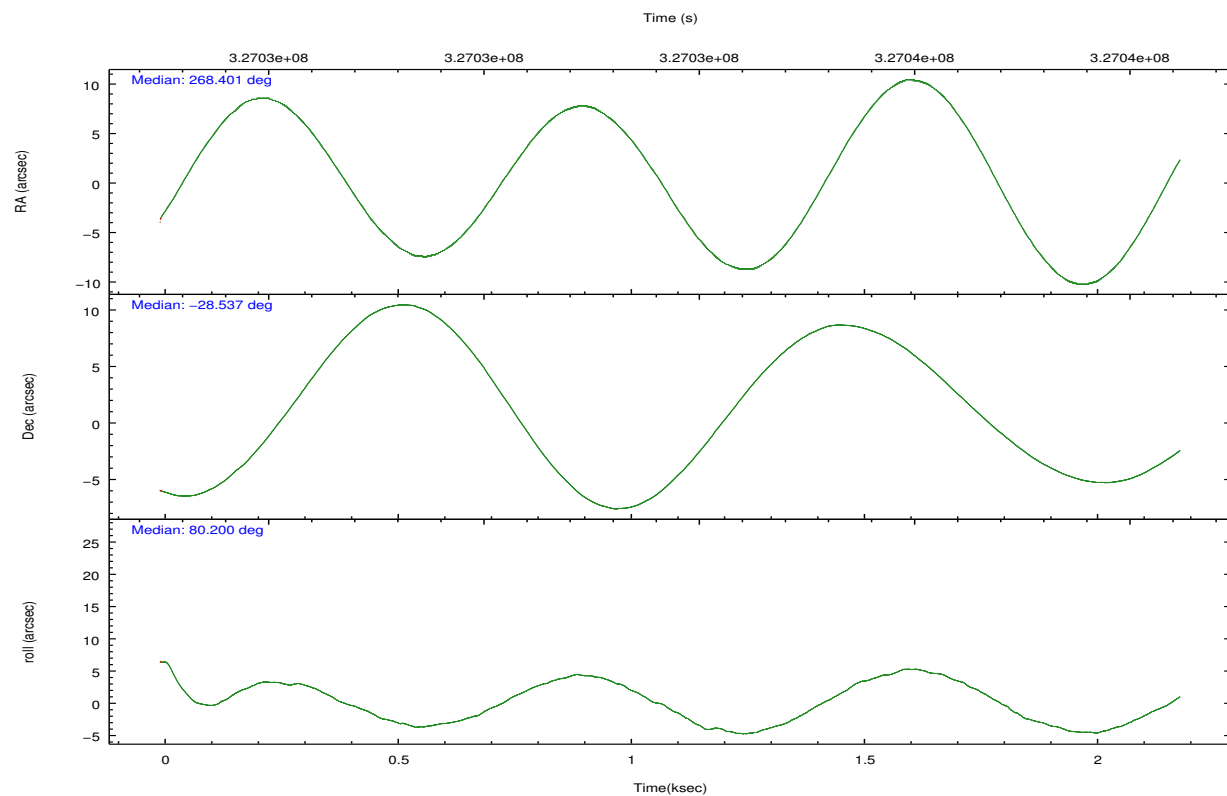
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1016	1186	1098	1006	1134
	5%	6%	5%	5%	4%
grade 1 events	7	12	14	16	33
	0%	0%	0%	0%	0%
grade 2 events	556	591	505	443	2207
	2%	3%	2%	2%	9%
grade 3 events	233	258	203	235	982
	1%	1%	0%	1%	4%
grade 4 events	215	250	235	224	996
	1%	1%	1%	1%	4%
grade 5 events	659	747	658	788	2399
	3%	3%	3%	3%	10%
grade 6 events	426	459	364	358	5327
	2%	2%	1%	1%	23%
grade 7 events	16101	15905	17502	17020	9612
	83%	81%	85%	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	268.412277	268.4012516237109	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.562210	-28.53658770518414	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004346	80.20780640202166	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)	327033522.184000	327033145.38675	CCD S5 on	N	N
Observation start date	2008-05-13T02:37:37	2008-05-13T02:32:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327035522.184000	327035655.61187	On-chip summing requested	N	N
Observation end date	2008-05-13T03:10:57	2008-05-13T03:14:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



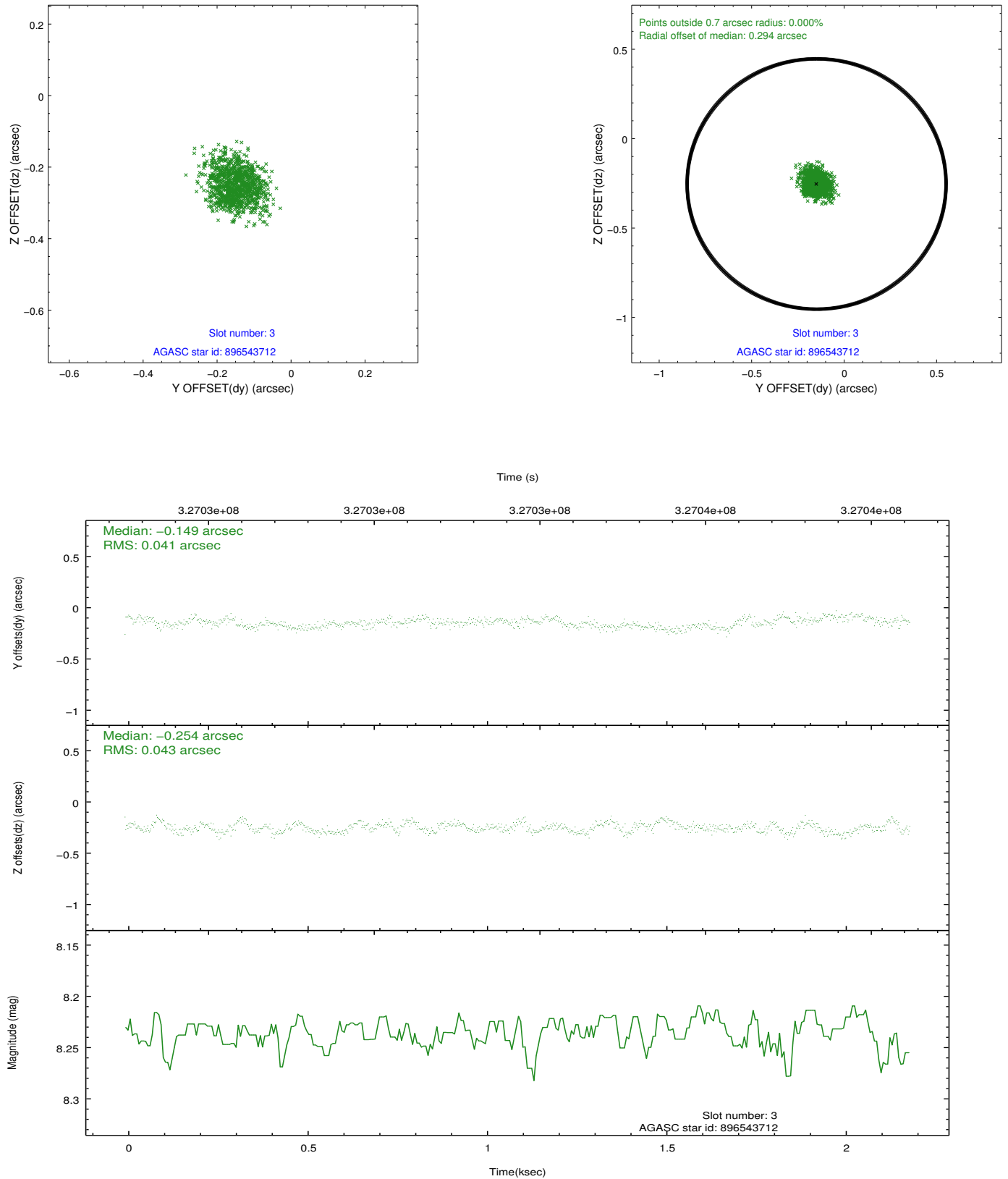


Slot Statistics

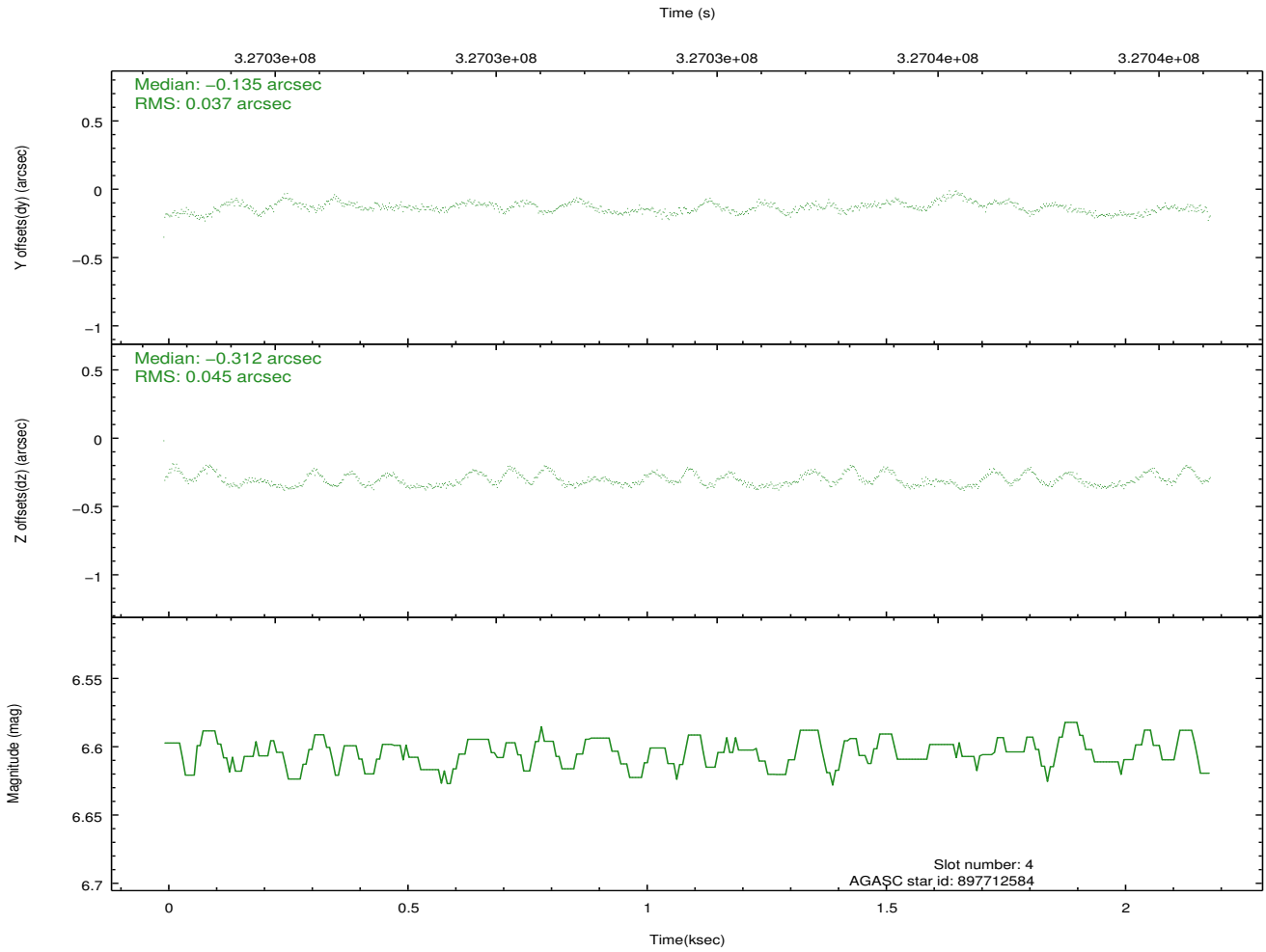
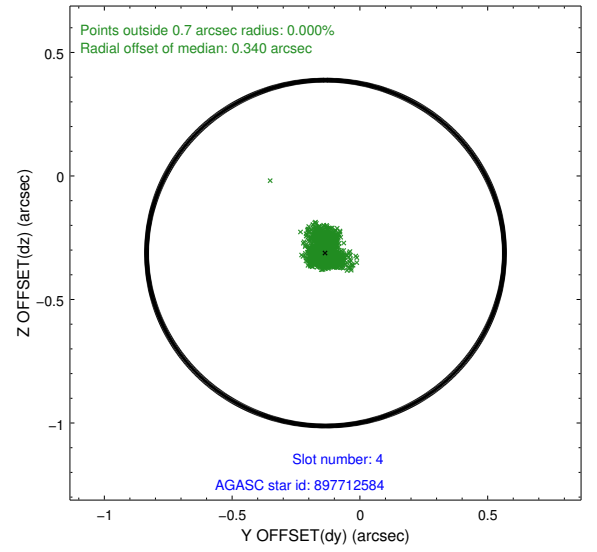
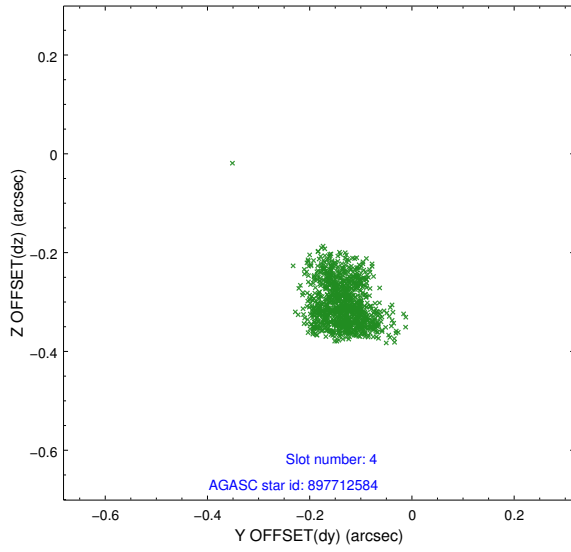
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	534	-0.026	0.030	0.008	0.014	0.000000	0.000000	926.71	-837.49
1	FID	ACIS-I-4	6.96	534	0.173	0.016	0.007	0.013	0.000000	0.000000	2148.59	1060.81
2	FID	ACIS-I-5	7.00	534	-0.245	0.025	0.006	0.012	0.000000	0.000000	-1817.69	1062.04
3	GUIDE	896543712	8.24	1067	-0.149	-0.254	0.063	0.102	267.764551	-28.659720	-706.05	1952.64
4	GUIDE	897712584	6.61	1068	-0.135	-0.312	0.062	0.101	268.003029	-28.022394	1685.63	1619.38
5	GUIDE	897721048	7.77	1068	-0.244	0.199	0.047	0.080	268.989561	-28.030814	2200.35	-1473.54
6	GUIDE	898238128	7.72	1068	0.177	0.142	0.066	0.101	268.450740	-28.688500	-423.72	-200.02
7	GUIDE	898247688	8.65	1067	0.351	0.218	0.086	0.142	268.426687	-29.012154	-1586.65	-326.21

2.4 Star Slots

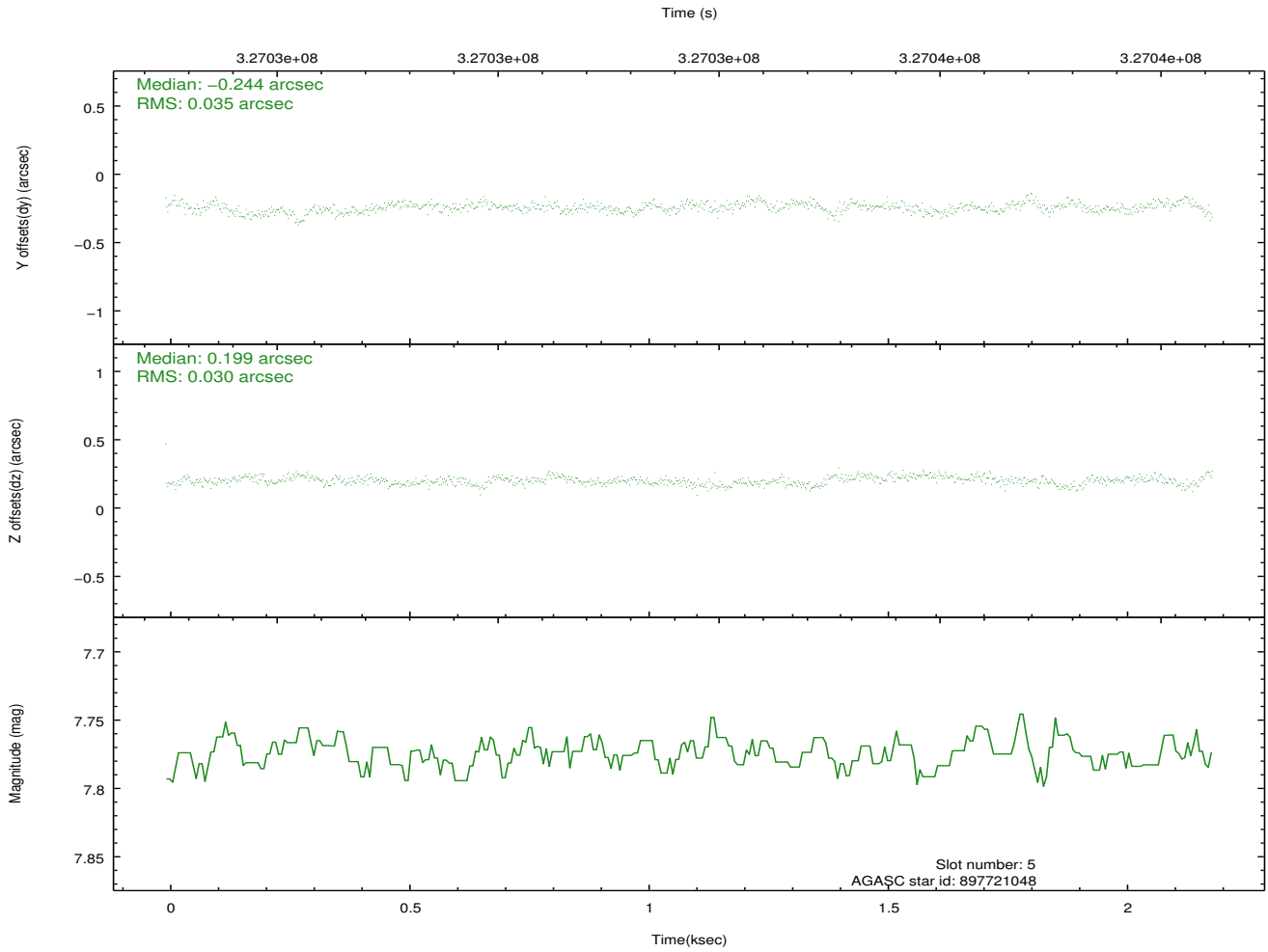
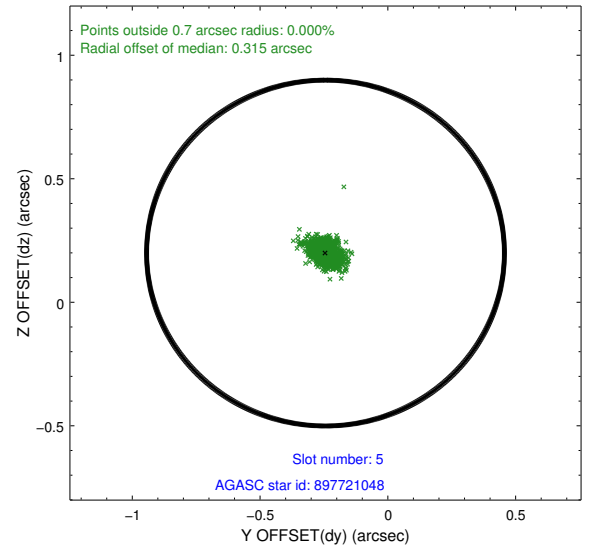
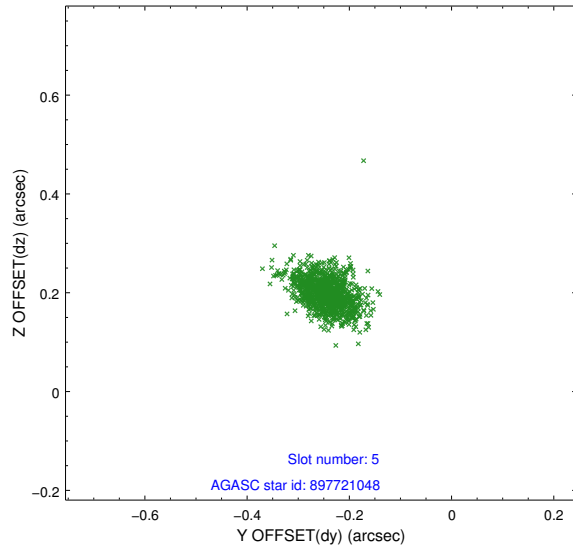
2.4.1 Slot 3



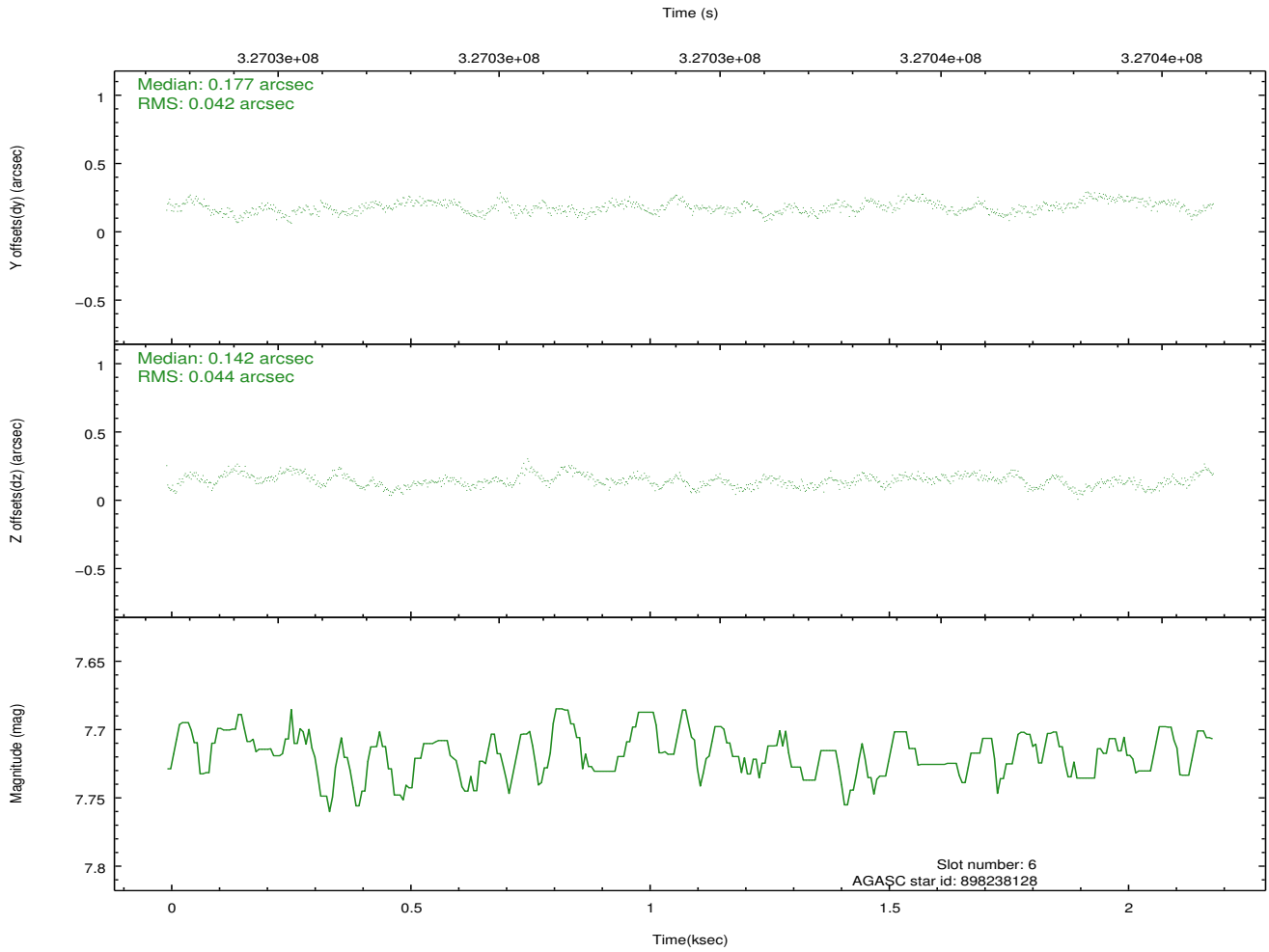
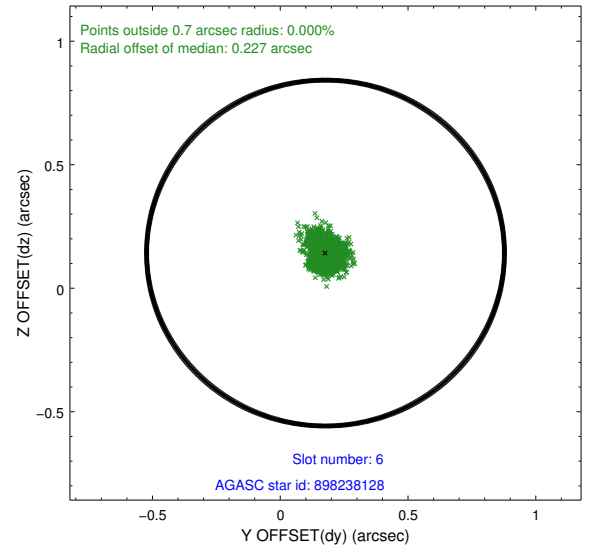
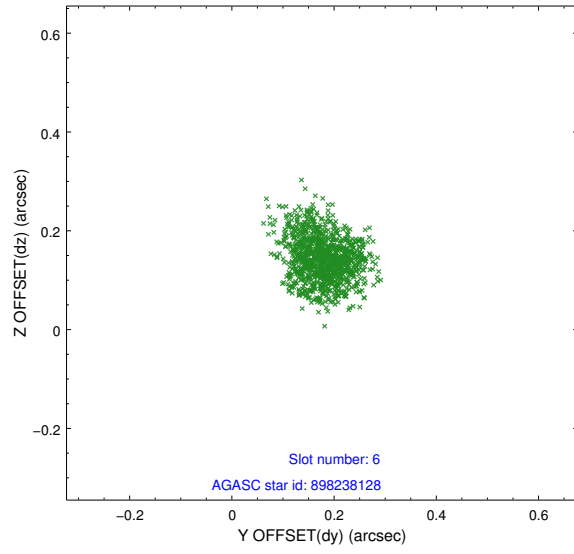
2.4.2 Slot 4



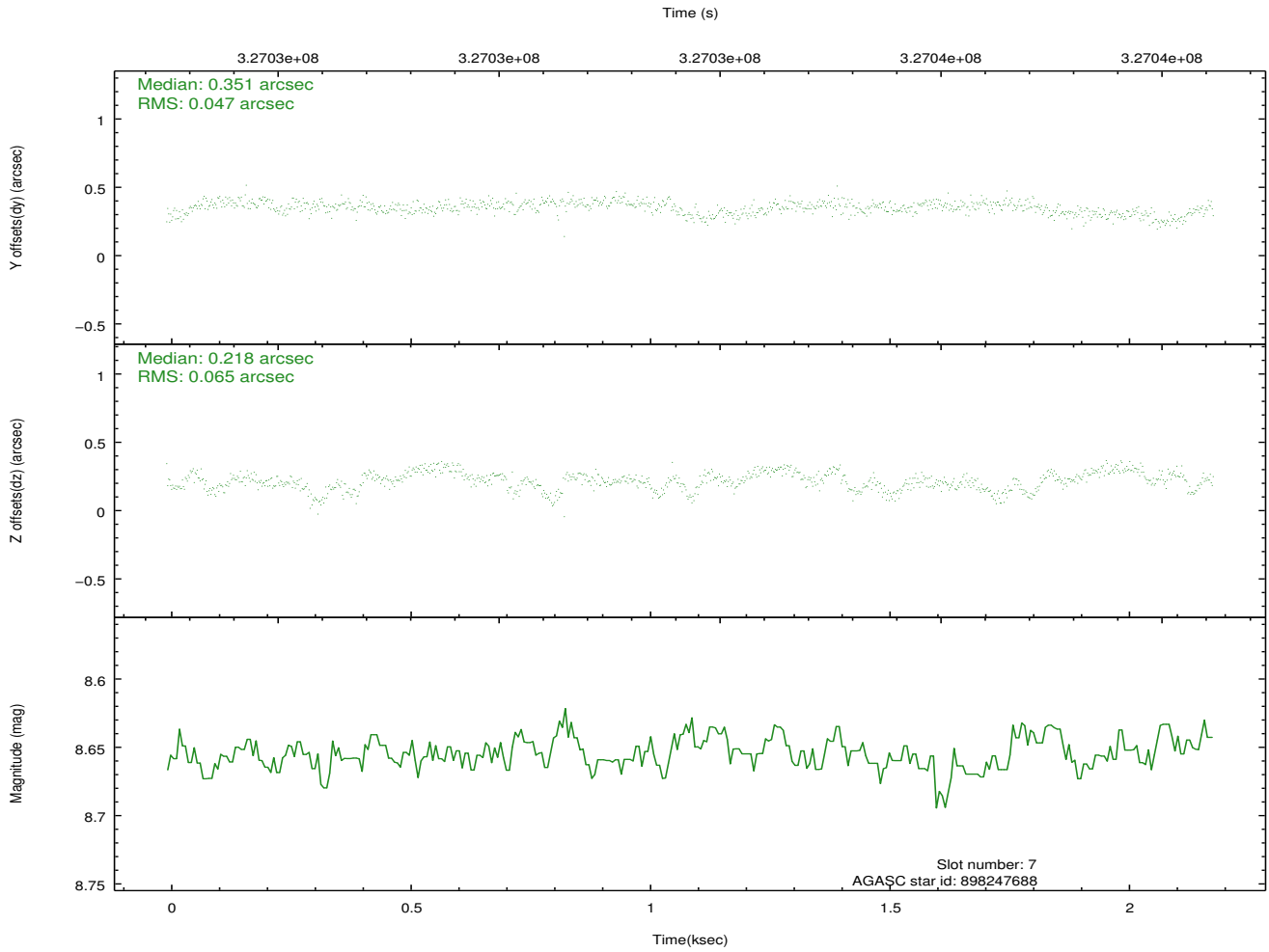
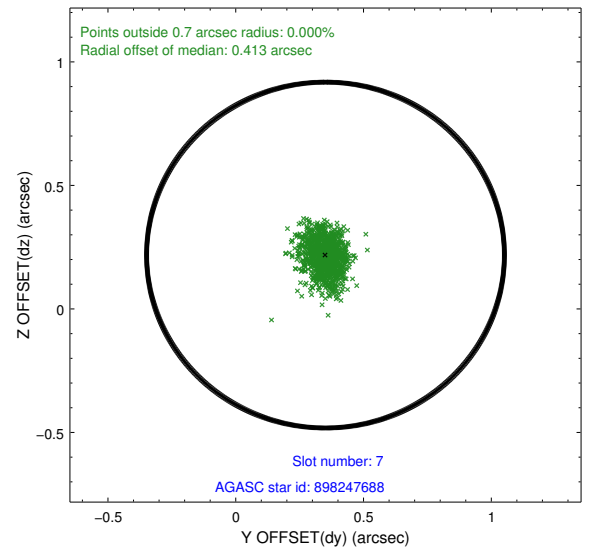
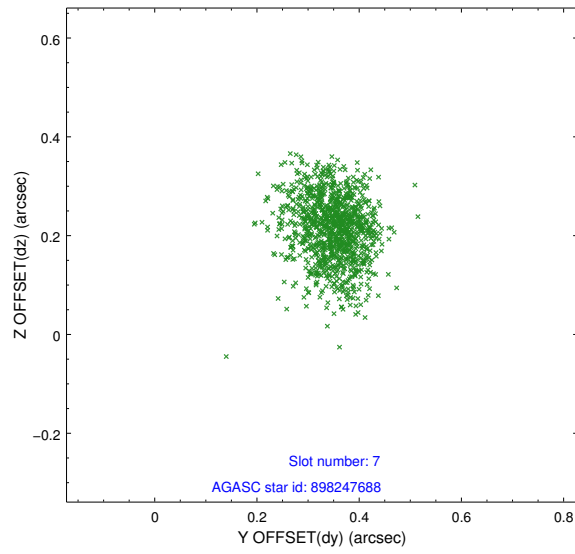
2.4.3 Slot 5



2.4.4 Slot 6

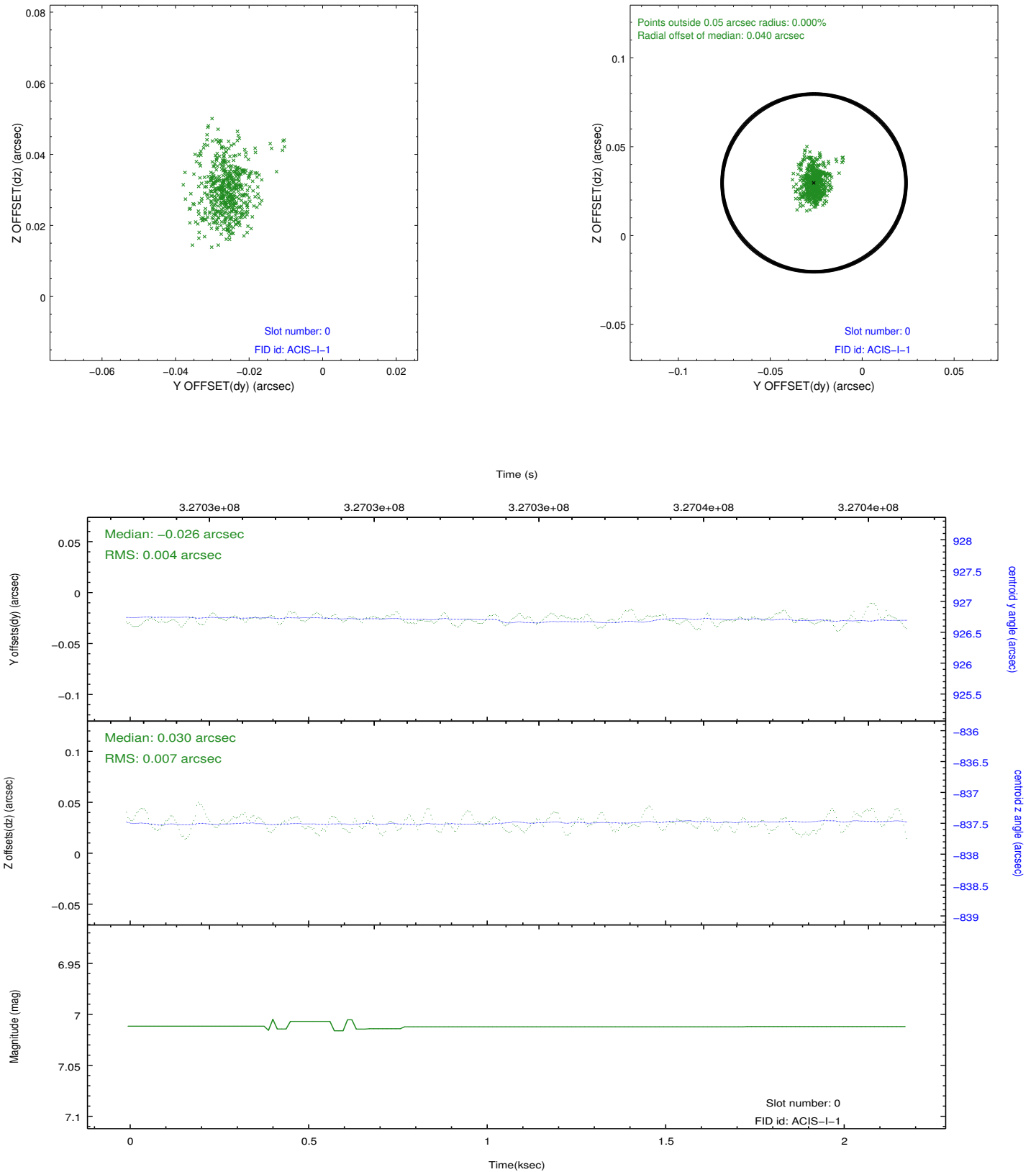


2.4.5 Slot 7

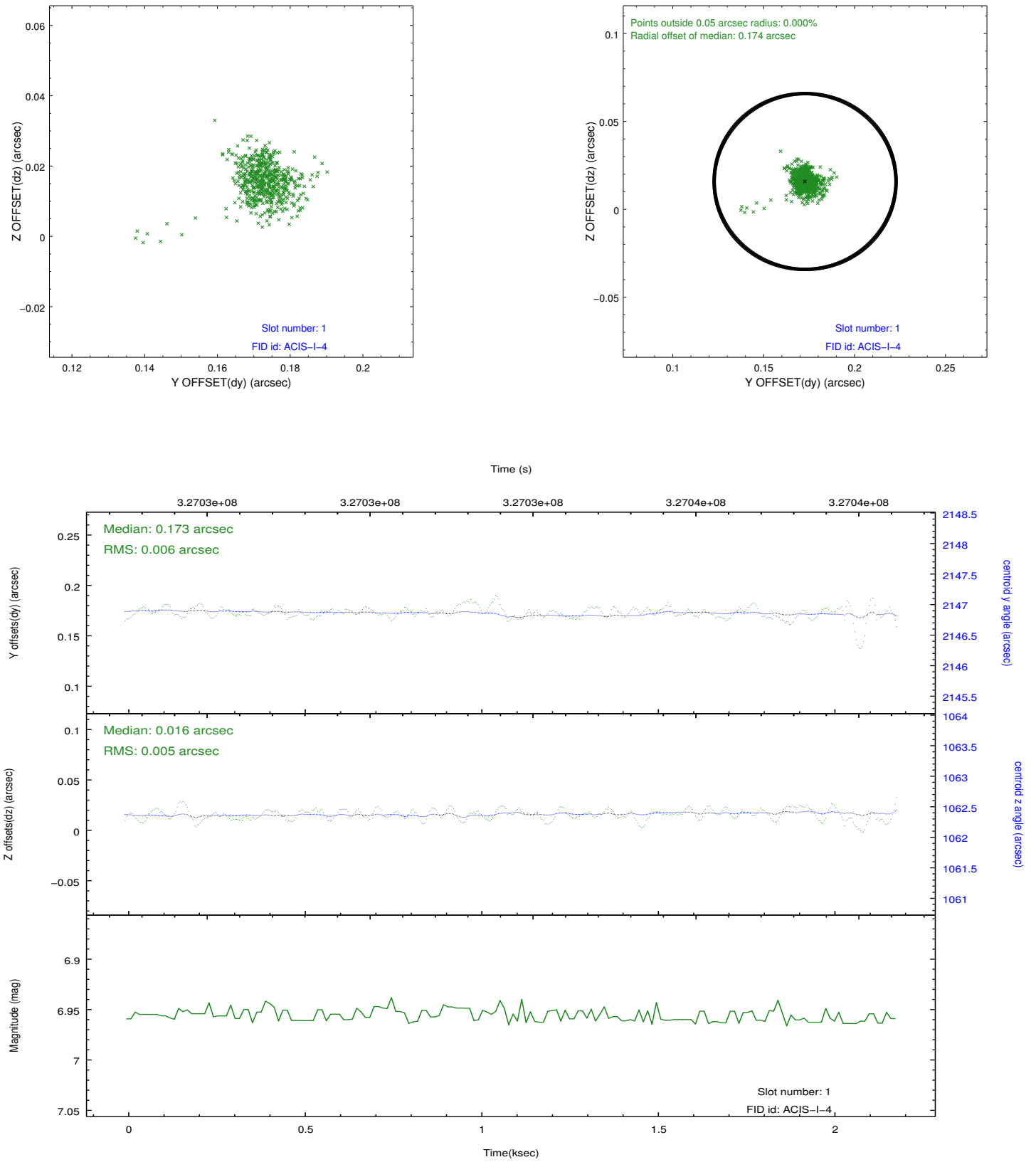


2.5 FID Slots

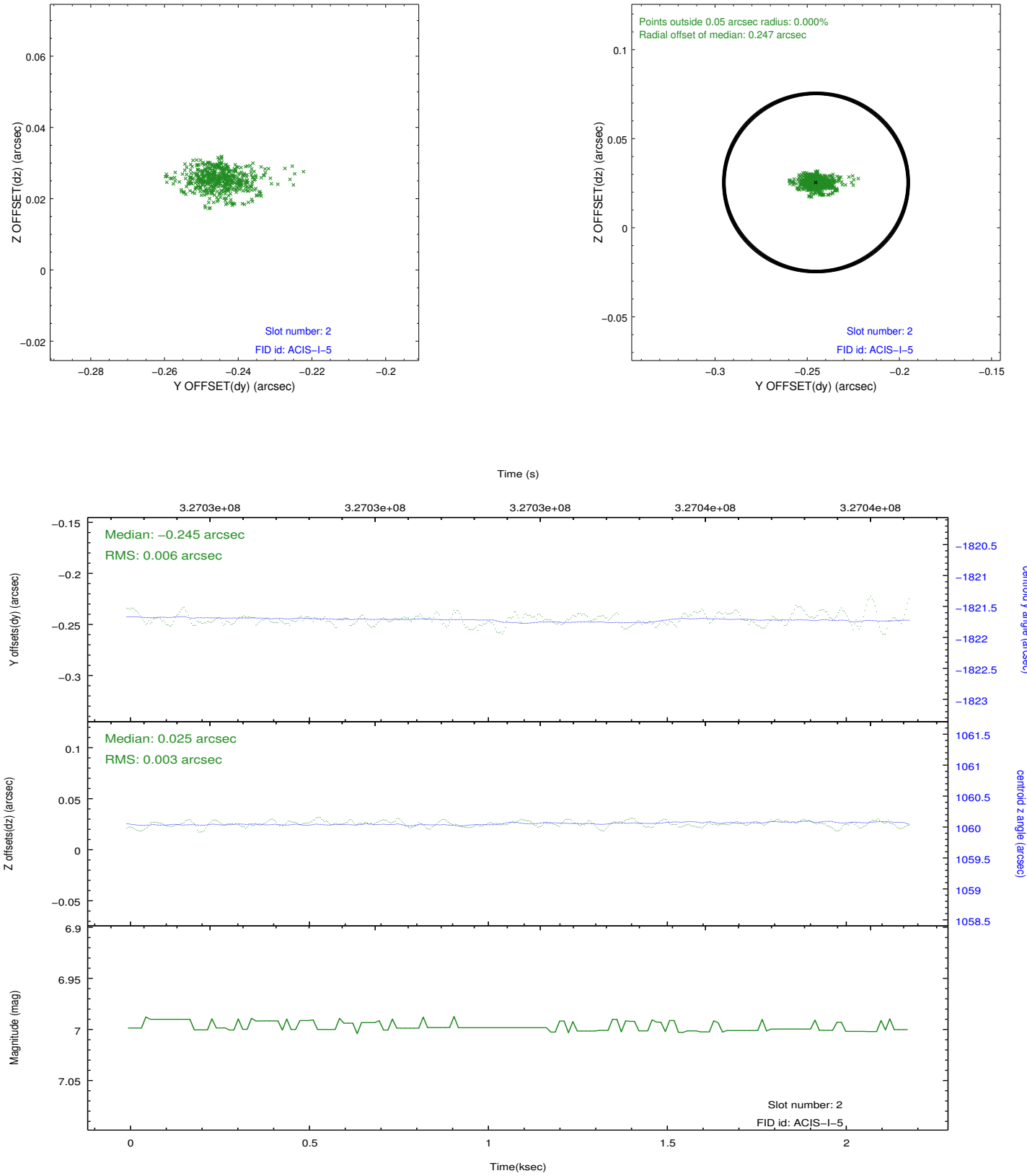
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint proposal with NOAO.