

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8738 - L2 Version 2
Chandra X-Ray Center

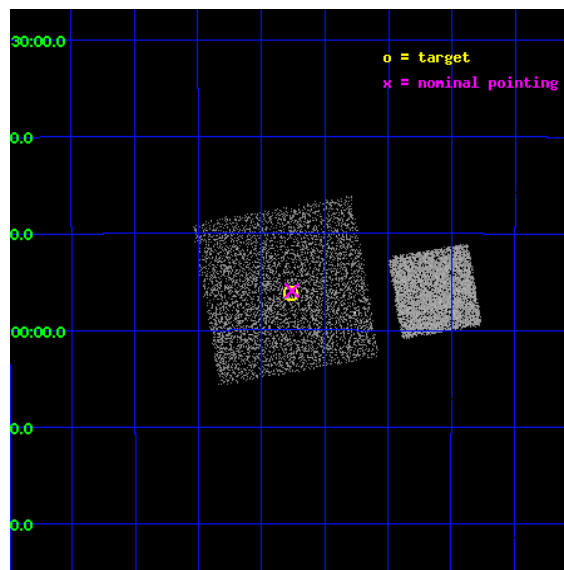
L2 Processing Date : May 14 2012

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1 Front

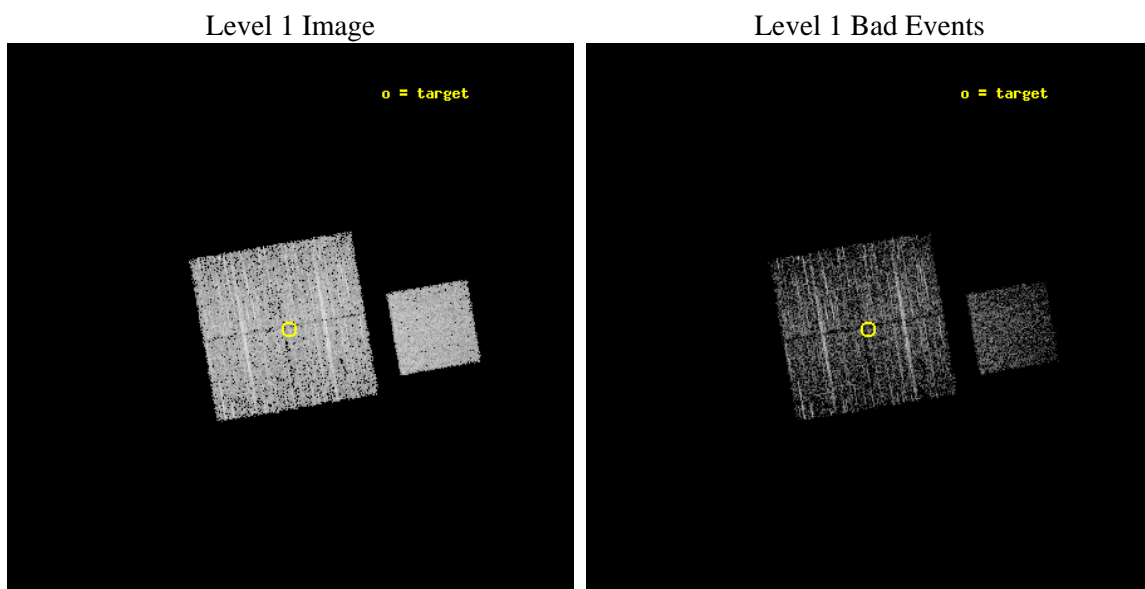
seq_num	400789	Sequence number
obs_id	8738	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.067043	Observer's specified target RA [deg]
dec_targ	-27.936965	Observer's specified target Dec [deg]
ra_nom	269.06512646942	Nominal RA [deg]
dec_nom	-27.932400036593	Nominal Dec [deg]
roll_nom	80.20779800714	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15831	Number of level 2 events



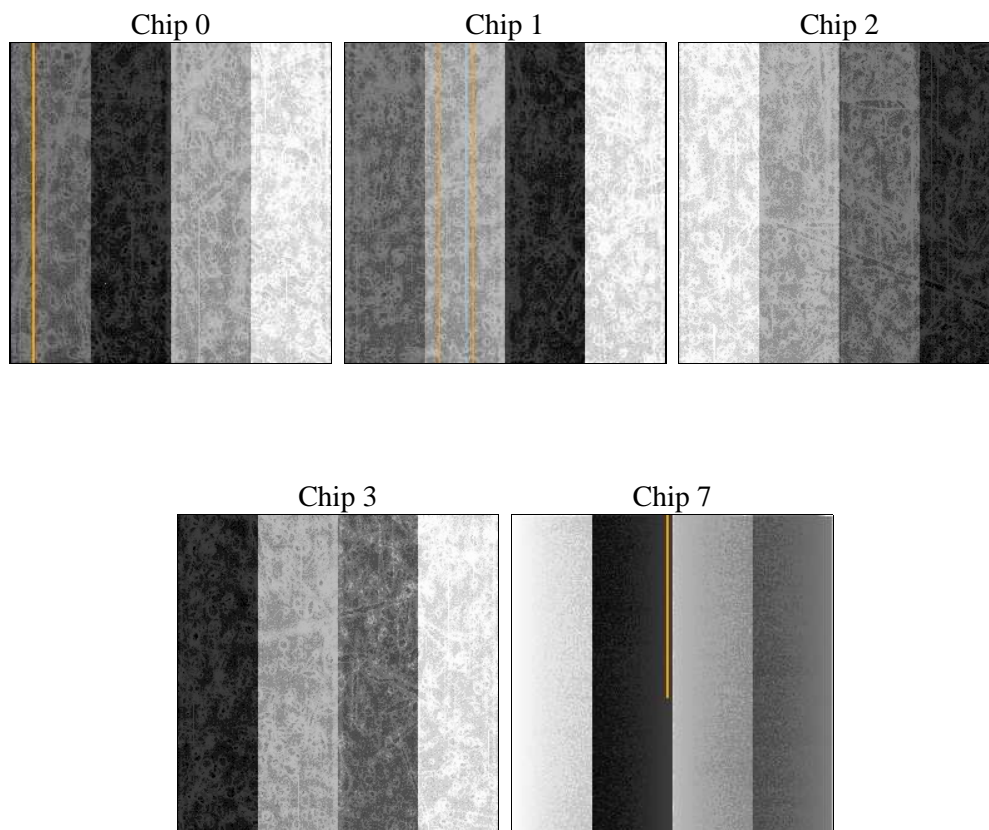
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-14T23:22:39	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	101860	Number of level 1 events

2.1.4 Events

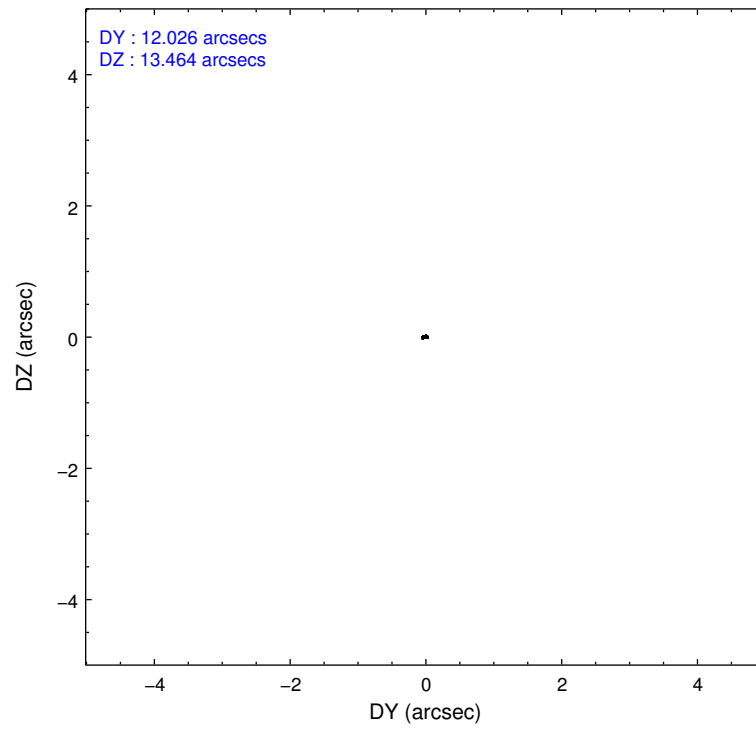
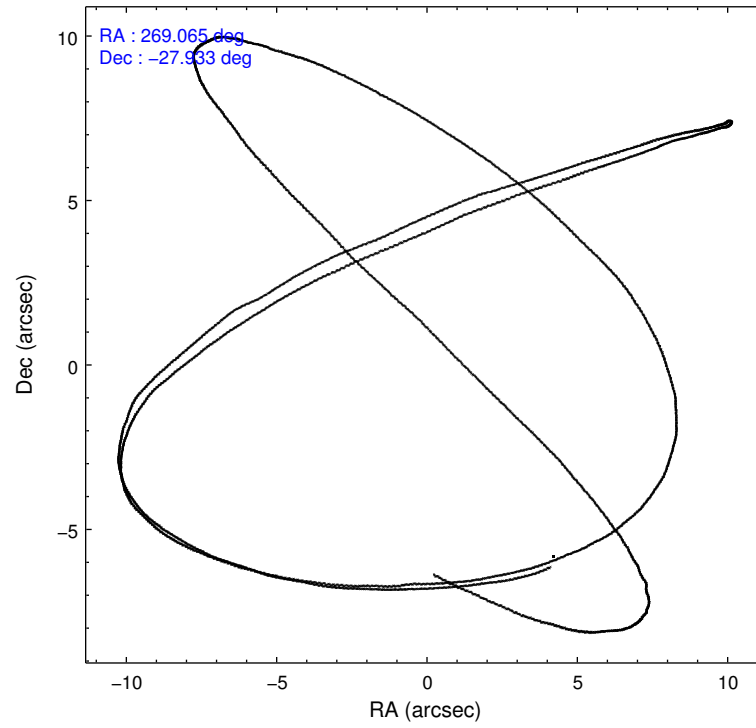
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	20528	18550	21125	18863	22794
rejected events	18523	16239	19153	16880	13647
rejected %	90%	87%	90%	89%	59%

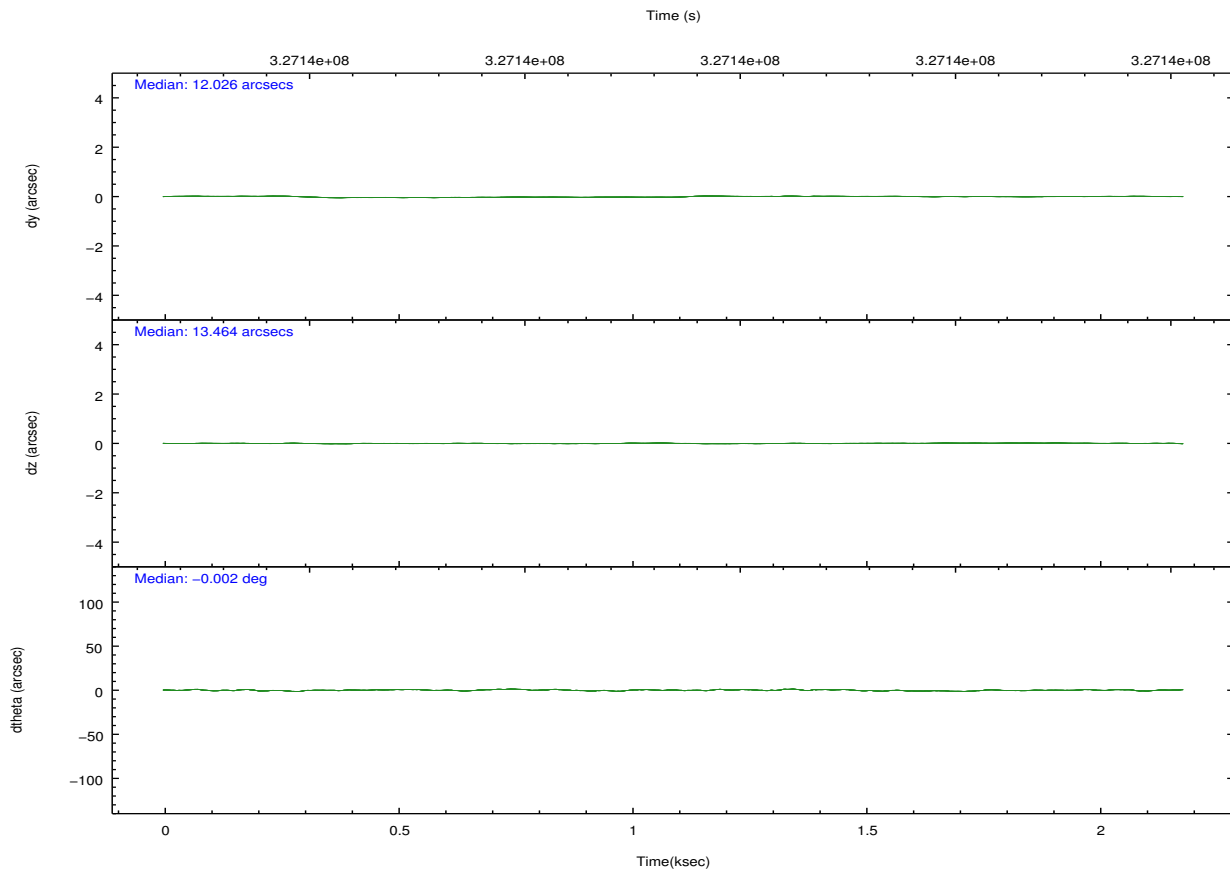
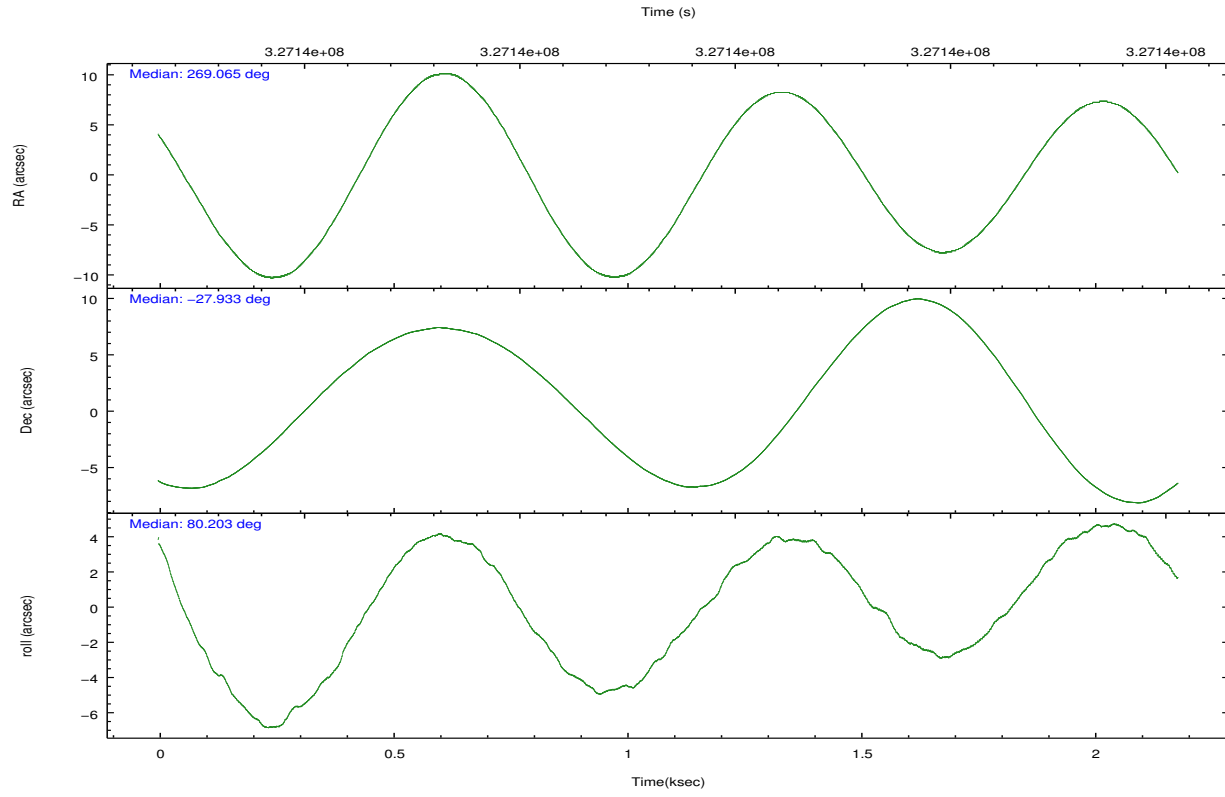
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	927	1129	979	1068	978
	4%	6%	4%	5%	4%
grade 1 events	10	11	12	14	28
	0%	0%	0%	0%	0%
grade 2 events	513	549	484	412	2240
	2%	2%	2%	2%	9%
grade 3 events	238	254	208	218	951
	1%	1%	0%	1%	4%
grade 4 events	239	239	231	245	1015
	1%	1%	1%	1%	4%
grade 5 events	721	821	659	832	2423
	3%	4%	3%	4%	10%
grade 6 events	413	454	353	365	5337
	2%	2%	1%	1%	23%
grade 7 events	17467	15093	18199	15709	9822
	85%	81%	86%	83%	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	269.076068	269.0651264694182	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.958002	-27.9324000365935	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004236	80.20779800713989	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)	327136432.184000	327136055.39176	CCD S5 on	N	N
Observation start date	2008-05-14T07:12:47	2008-05-14T07:07:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327138432.184000	327138565.61689	On-chip summing requested	N	N
Observation end date	2008-05-14T07:46:07	2008-05-14T07:49:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



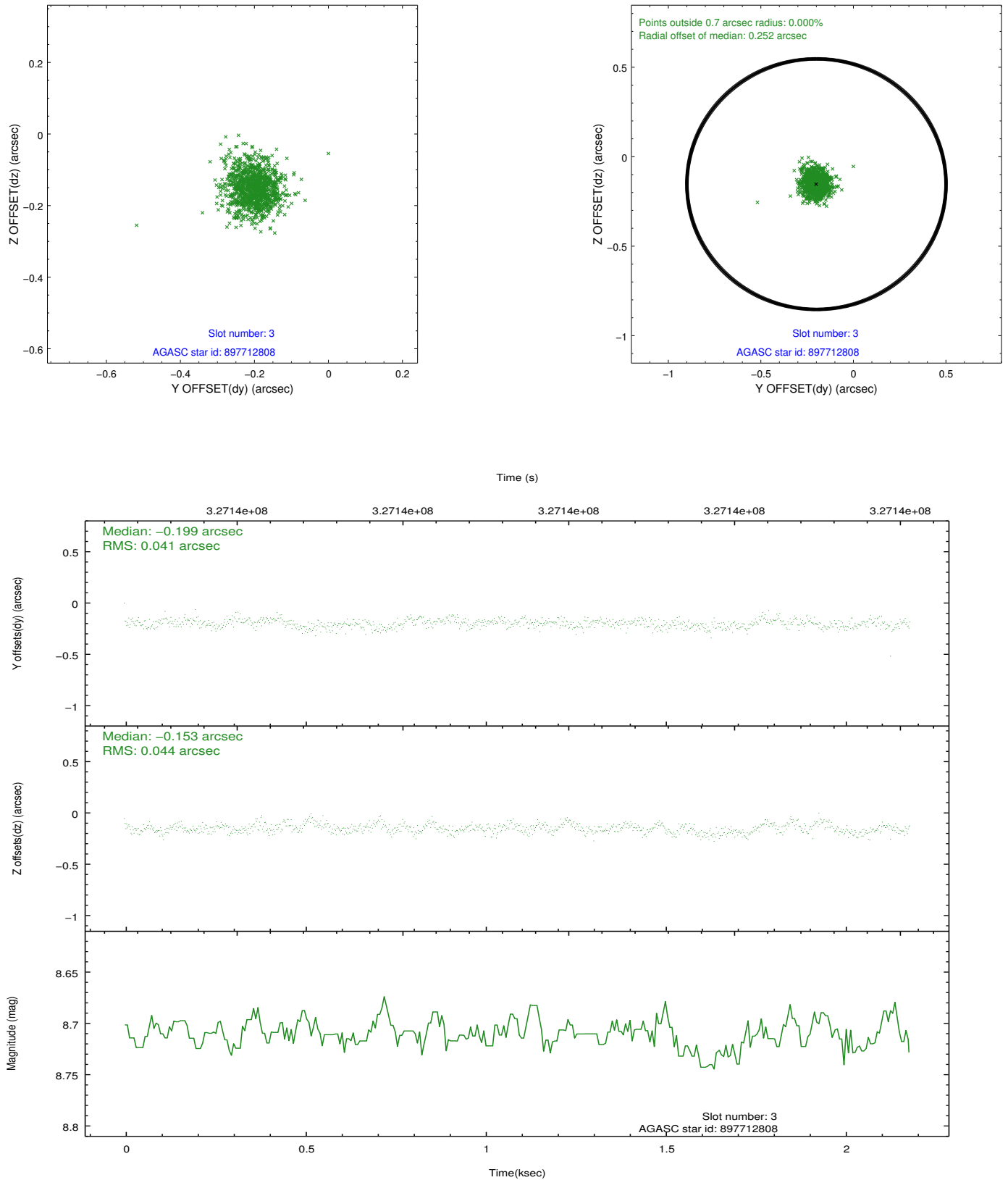


Slot Statistics

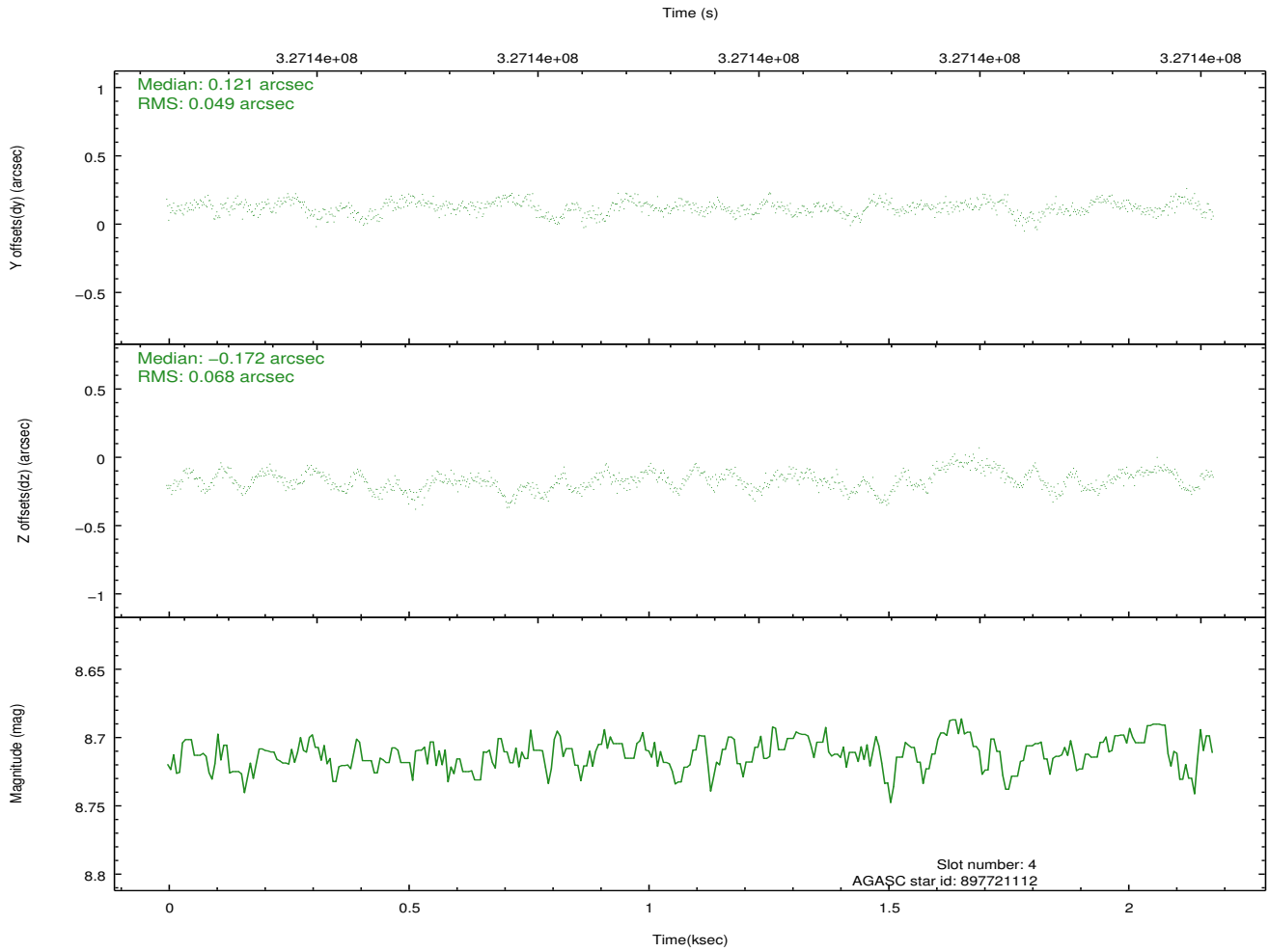
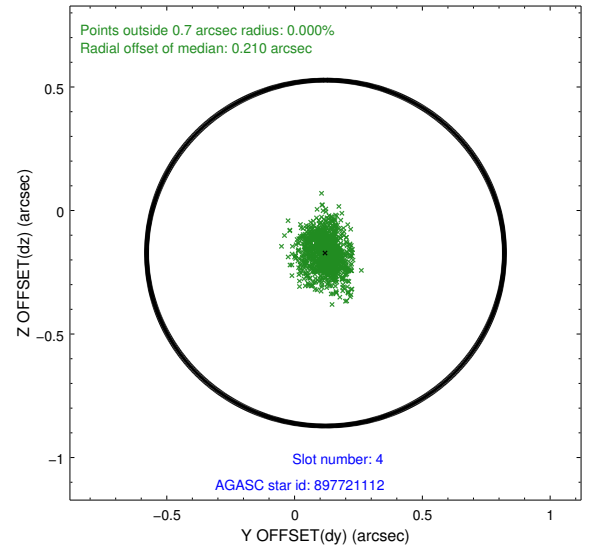
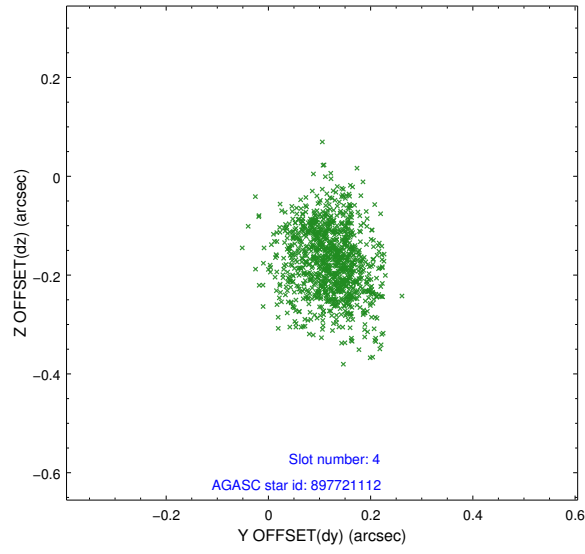
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	532	0.006	0.042	0.007	0.012	0.000000	0.000000	927.53	-836.98
1	FID	ACIS-I-5	7.05	532	-0.153	0.035	0.006	0.012	0.000000	0.000000	-1819.08	1059.00
2	FID	ACIS-I-6	7.06	532	0.056	-0.006	0.007	0.012	0.000000	0.000000	389.87	1706.85
3	GUIDE	897712808	8.71	1063	-0.199	-0.153	0.061	0.102	268.777505	-27.542029	1308.49	1198.32
4	GUIDE	897721112	8.71	1065	0.121	-0.172	0.089	0.147	268.338159	-28.057278	-763.93	2246.29
5	GUIDE	897722208	8.39	1065	-0.201	-0.062	0.069	0.110	268.617190	-27.294090	2096.07	1862.44
6	GUIDE	898258992	7.99	1064	0.136	0.279	0.056	0.091	269.435214	-28.570389	-1972.69	-1499.42
7	GUIDE	898236888	8.68	1063	0.147	0.104	0.076	0.130	269.539947	-28.141730	-399.34	-1566.84

2.4 Star Slots

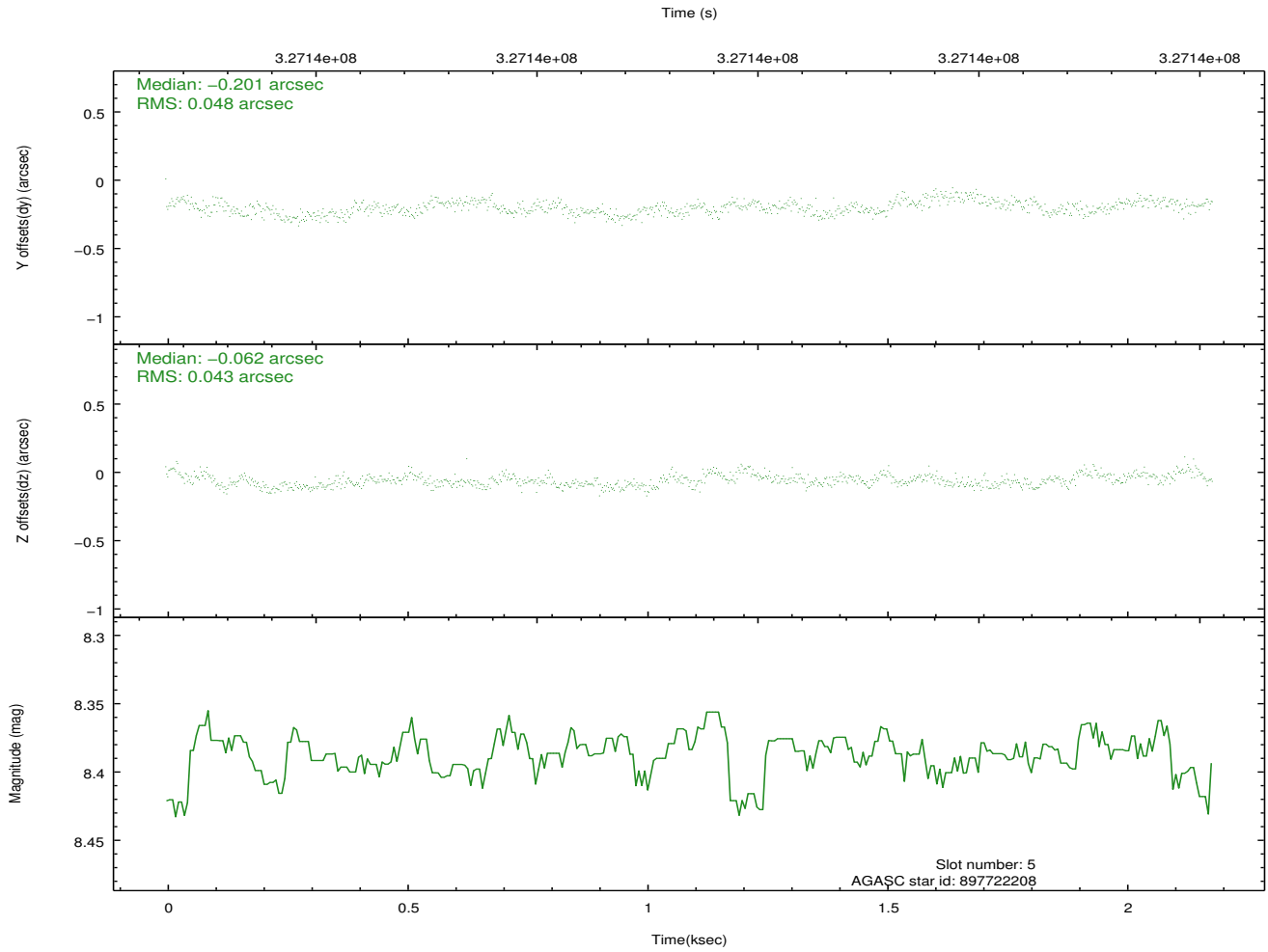
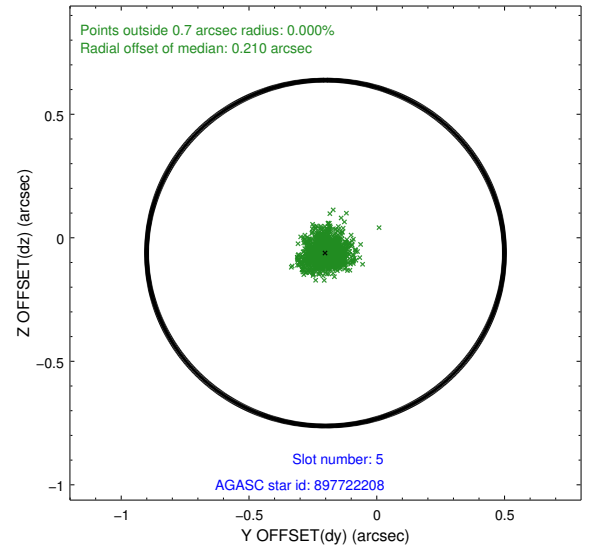
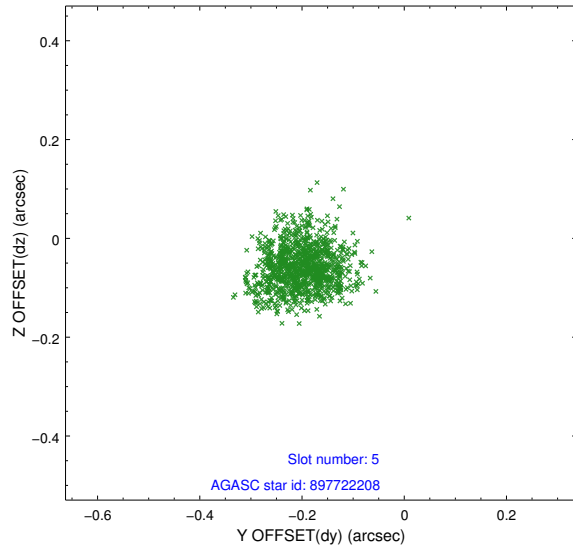
2.4.1 Slot 3



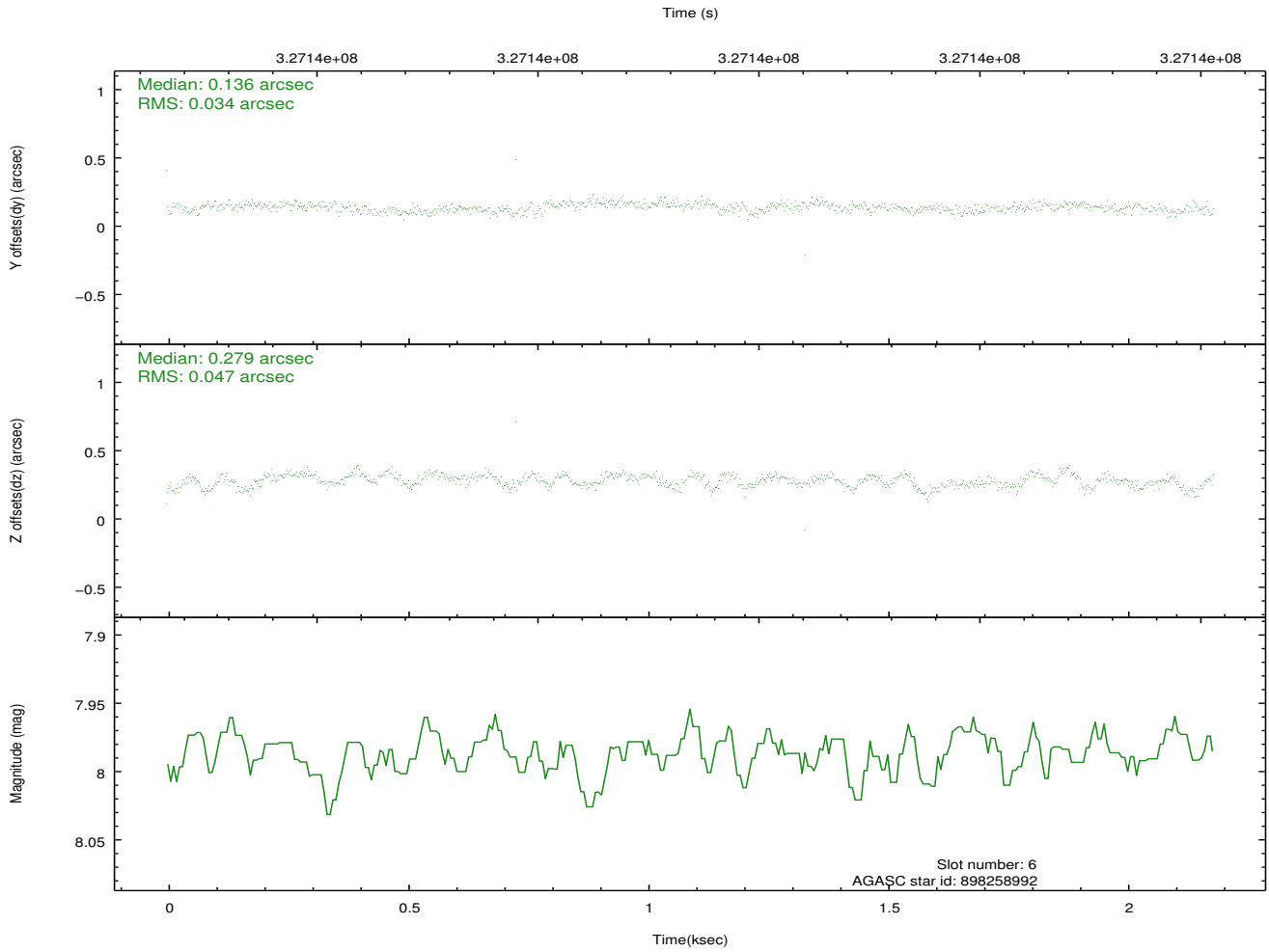
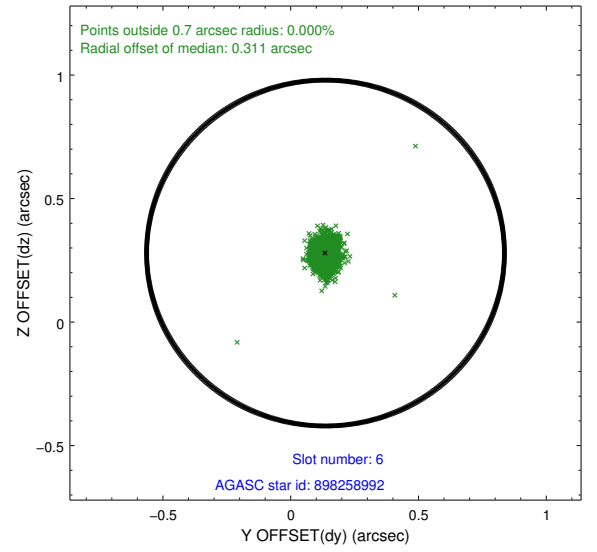
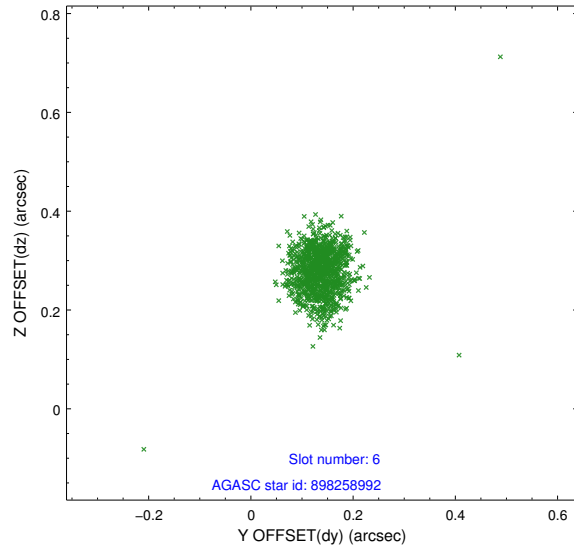
2.4.2 Slot 4



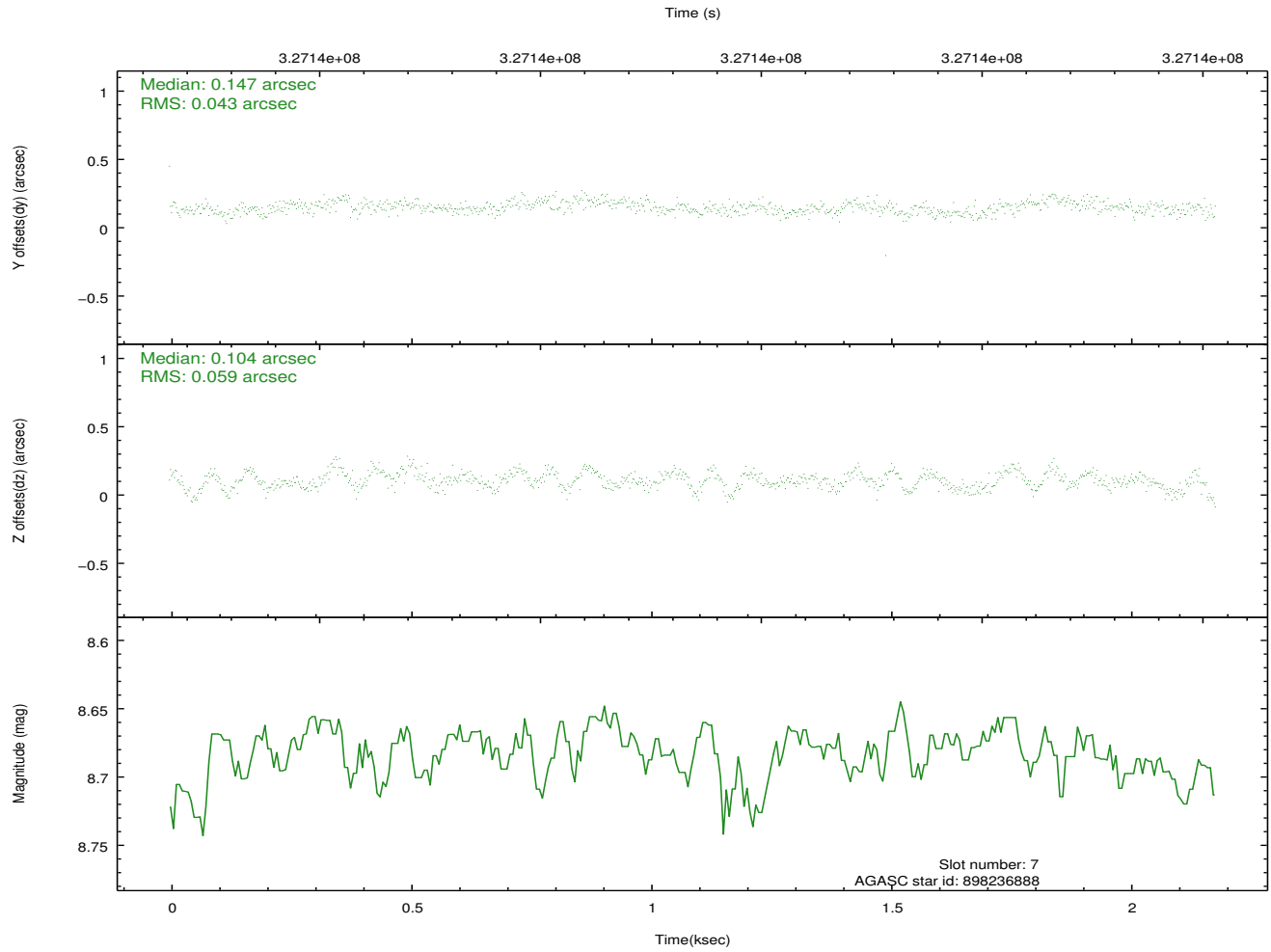
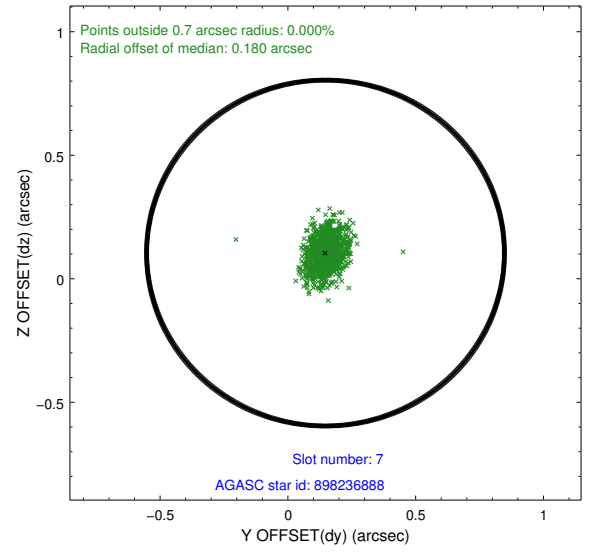
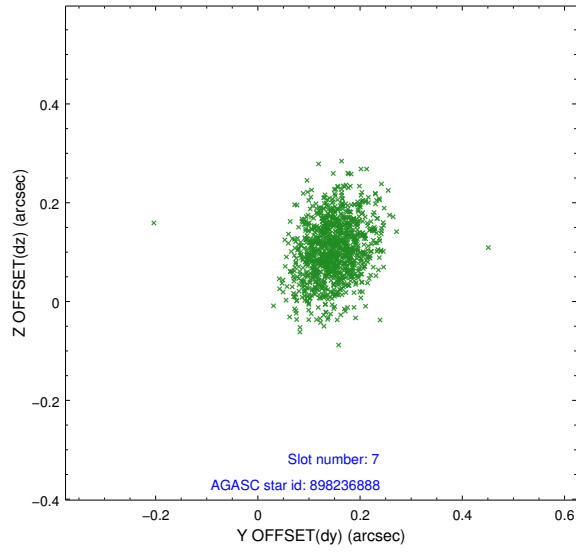
2.4.3 Slot 5



2.4.4 Slot 6

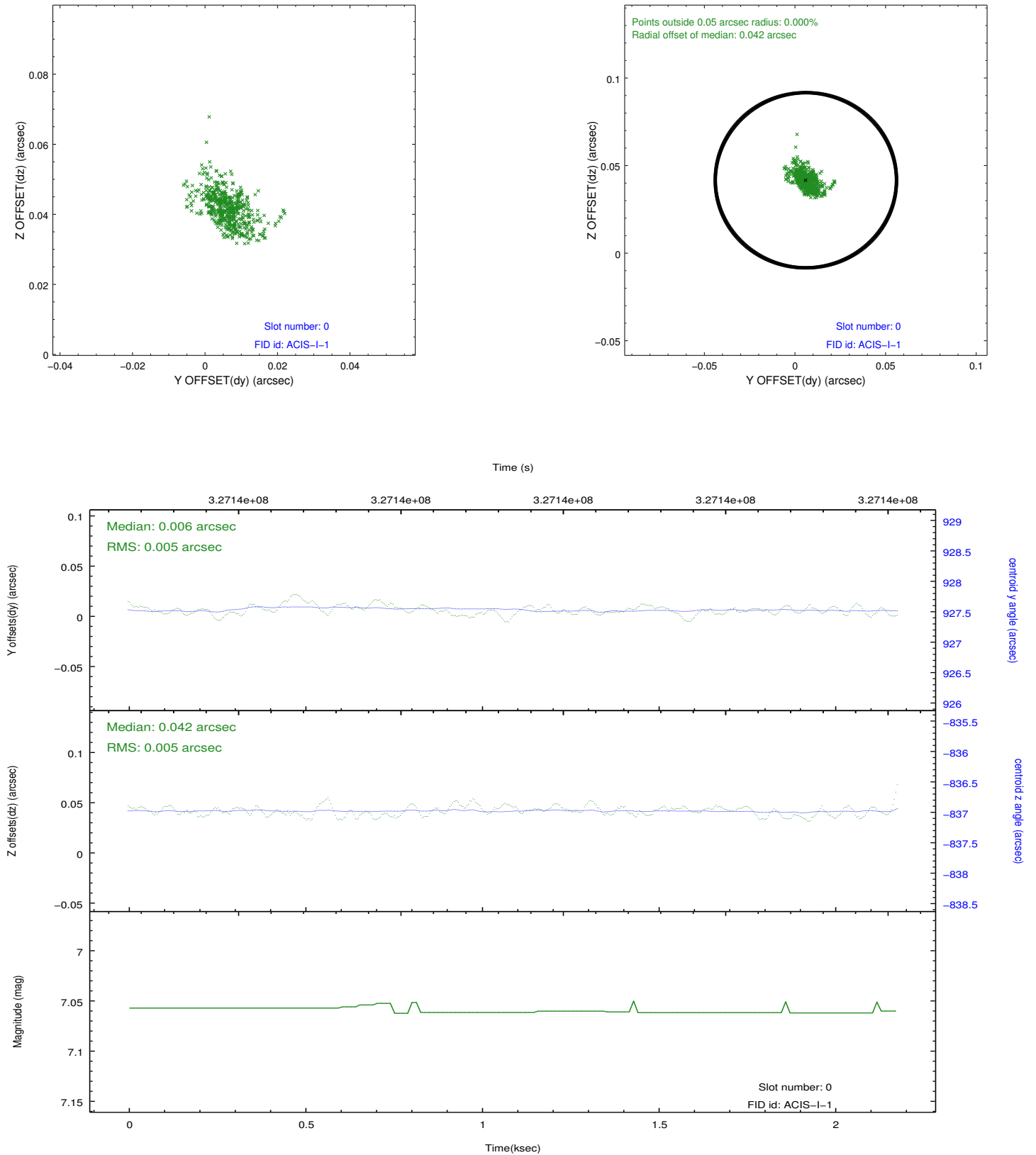


2.4.5 Slot 7

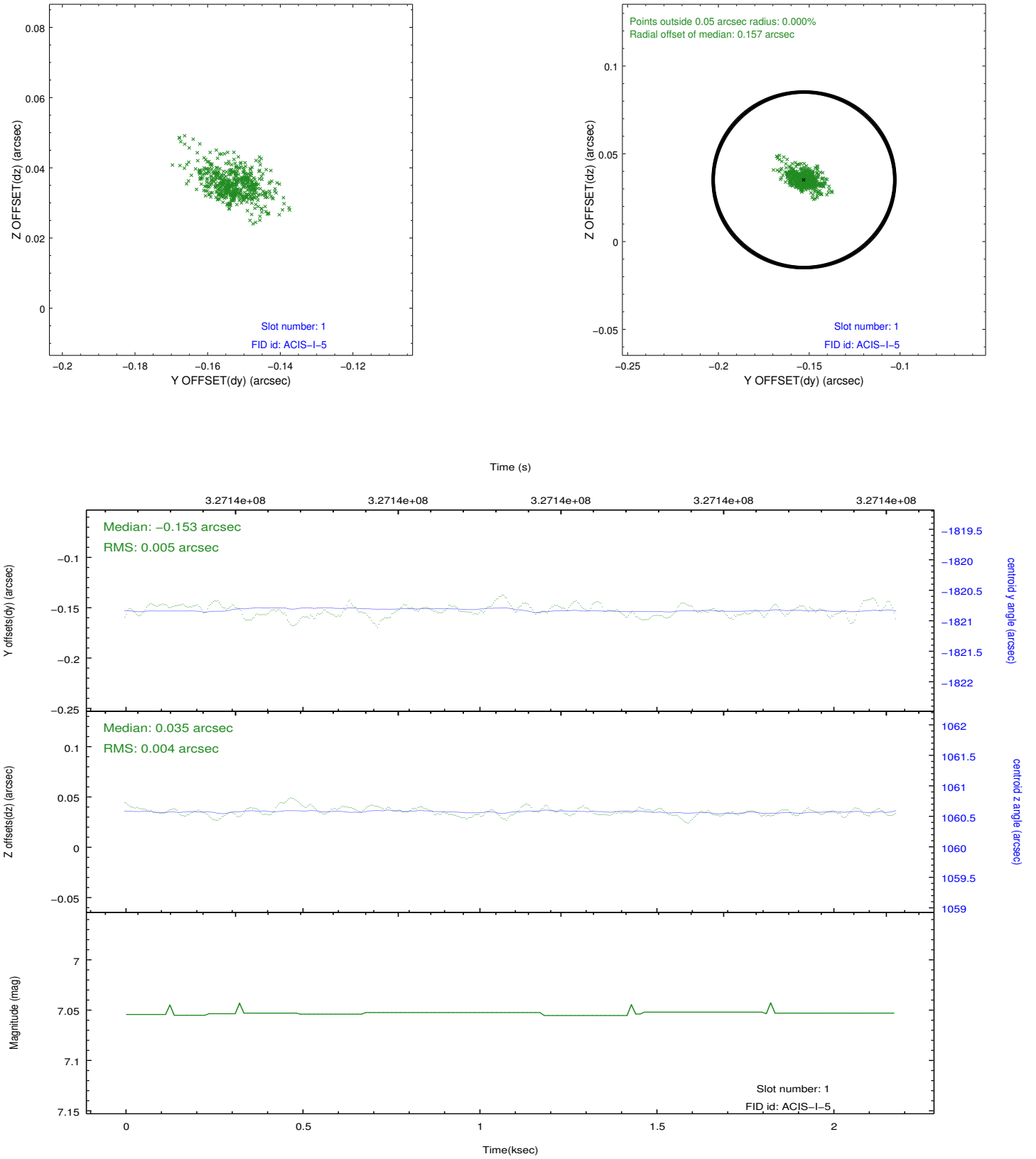


2.5 FID Slots

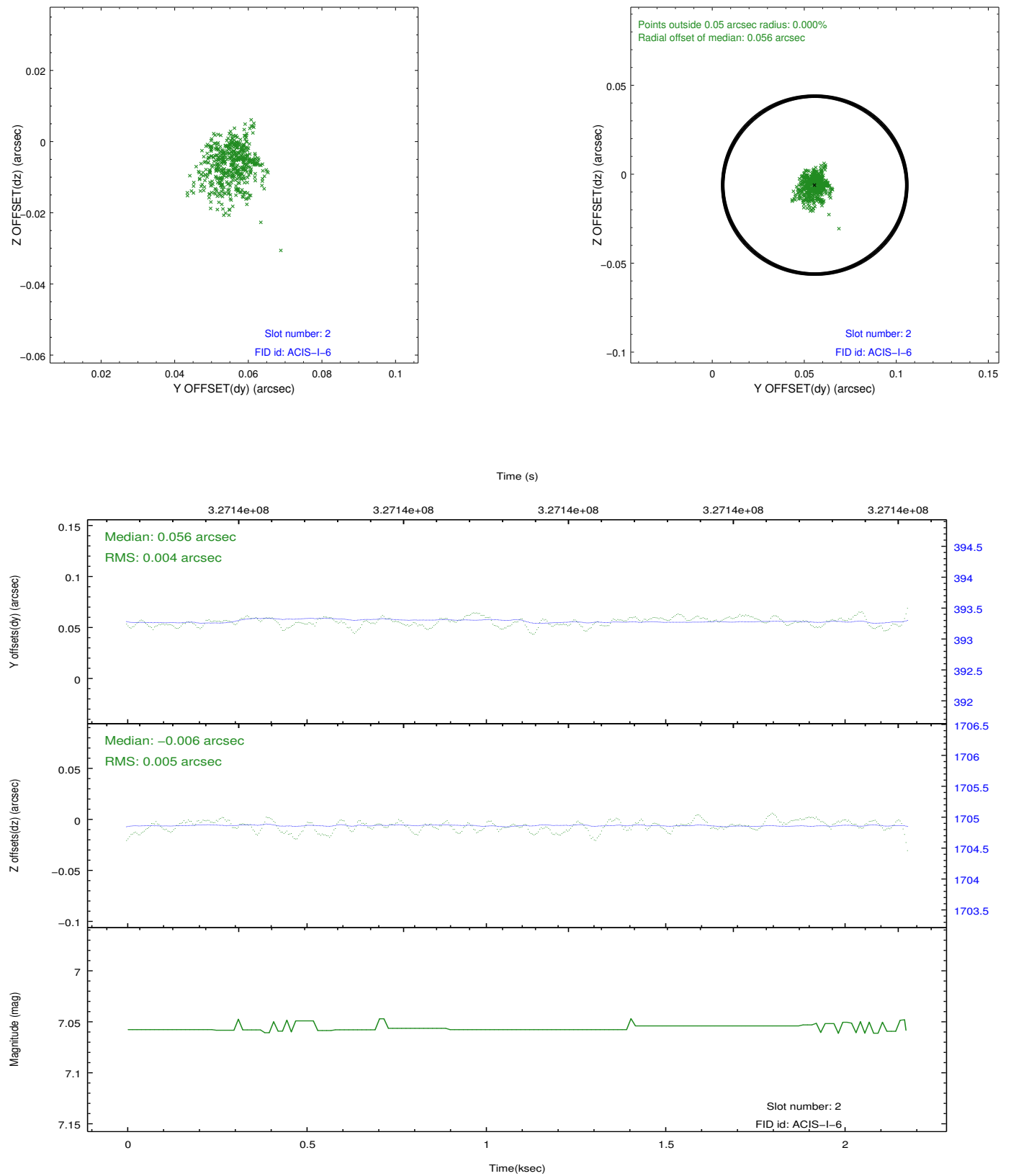
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments

Joint Proposal: NOAO