

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13554 - L2 Version 2
Chandra X-Ray Center

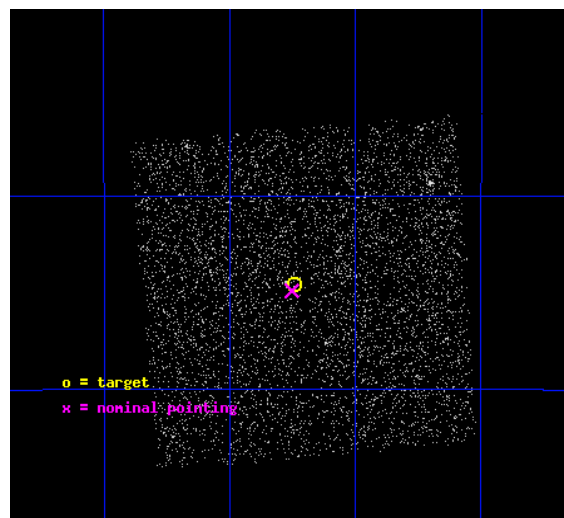
L2 Processing Date : Feb 26 2012

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1 Front

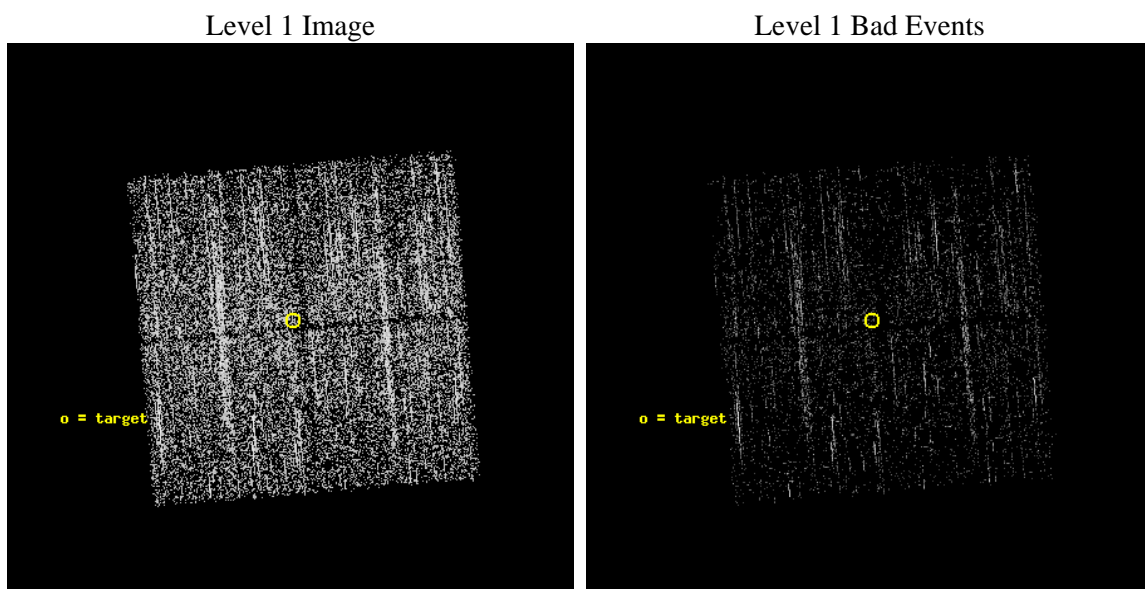
seq_num	401330	Sequence number
obs_id	13554	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.060712	Observer's specified target RA [deg]
dec_targ	-28.742903	Observer's specified target Dec [deg]
ra_nom	269.06318252827	Nominal RA [deg]
dec_nom	-28.748370777231	Nominal Dec [deg]
roll_nom	265.30764750845	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.7858326435	Sum of GTIs [s]
livetime	1947.99686766	Livetime [s]
ontime0	1973.6627126336	Sum of GTIs [s]
ontime1	1973.7037526369	Sum of GTIs [s]
ontime2	1973.7447926402	Sum of GTIs [s]
ontime3	1973.7858326435	Sum of GTIs [s]
l2events	5929	Number of level 2 events



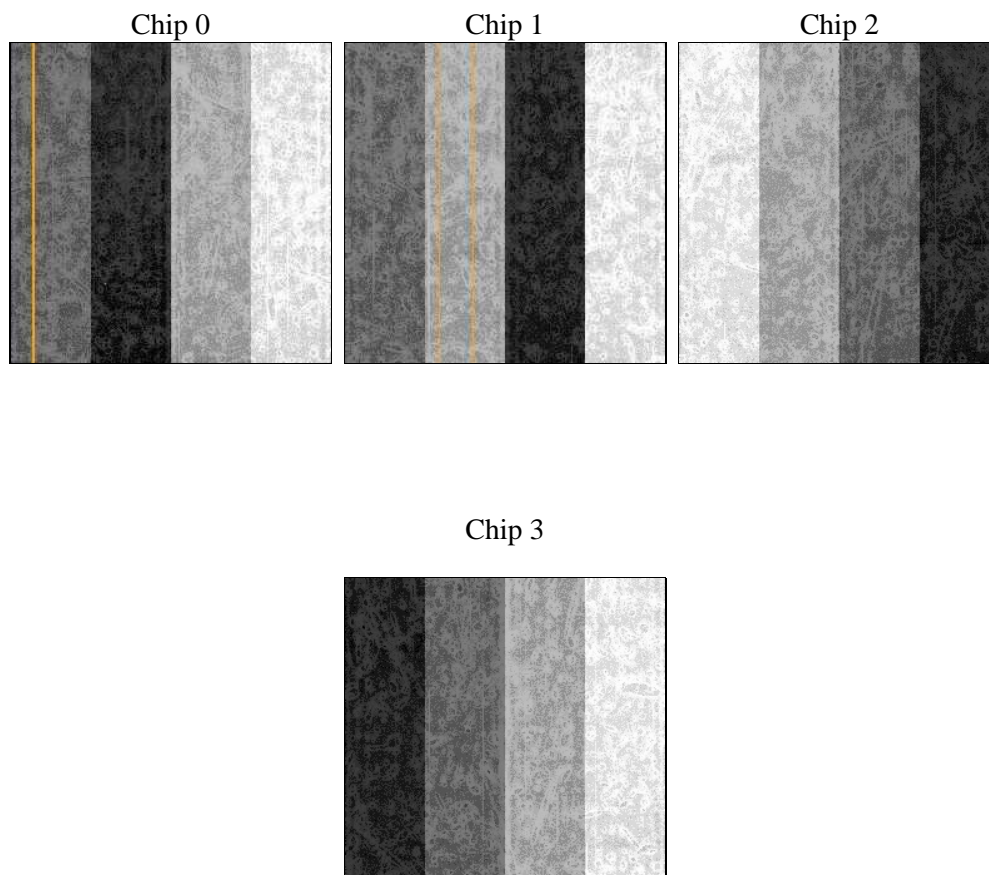
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1973.7858326435	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.6627126336	Sum of GTIs [s]
date	2012-02-26T02:33:53	Date and time of file creation	ontime1	1973.7037526369	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.7447926402	Sum of GTIs [s]
			ontime3	1973.7858326435	Sum of GTIs [s]
			l1events	46547	Number of level 1 events

2.1.4 Events

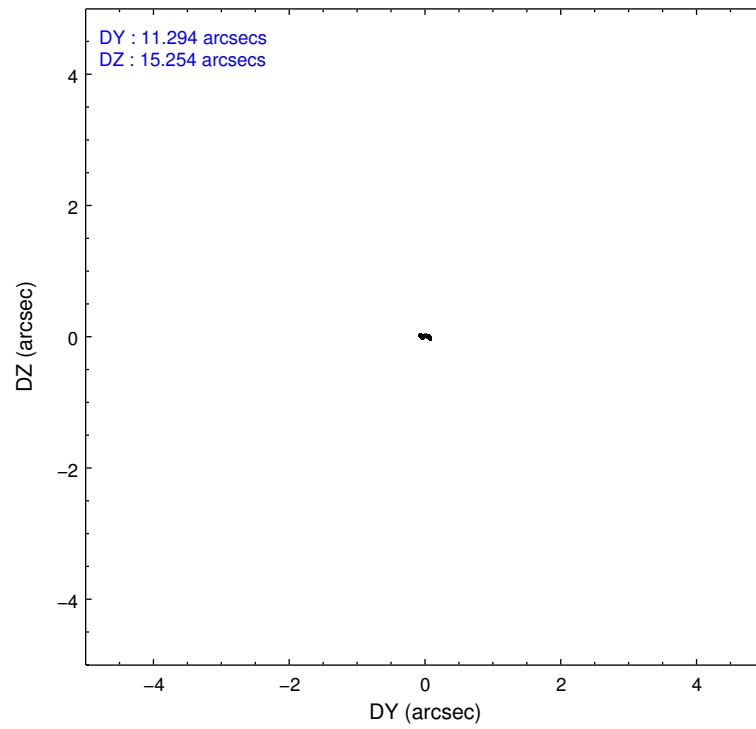
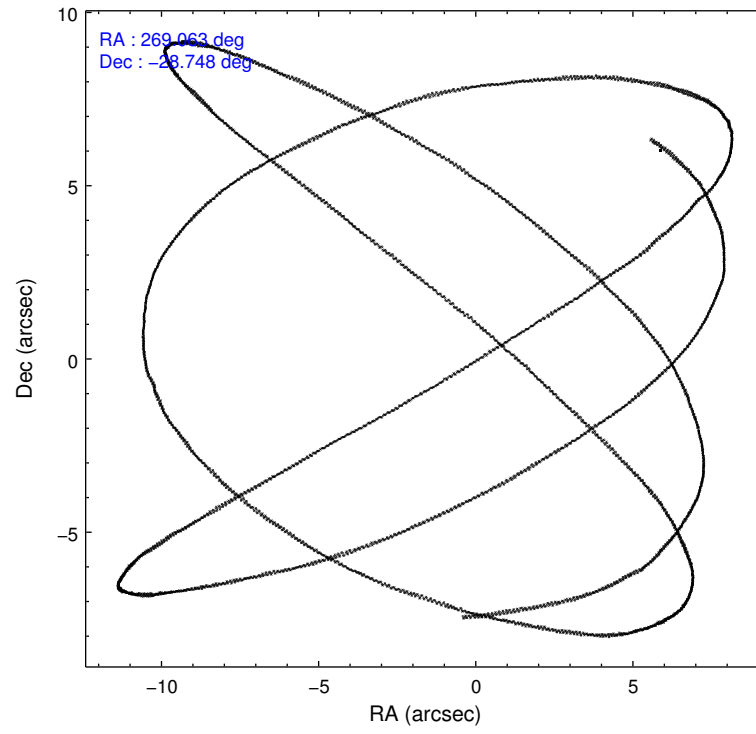
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10858	11982	11589	12118
rejected events	9131	10079	9962	10435
rejected %	84%	84%	85%	86%

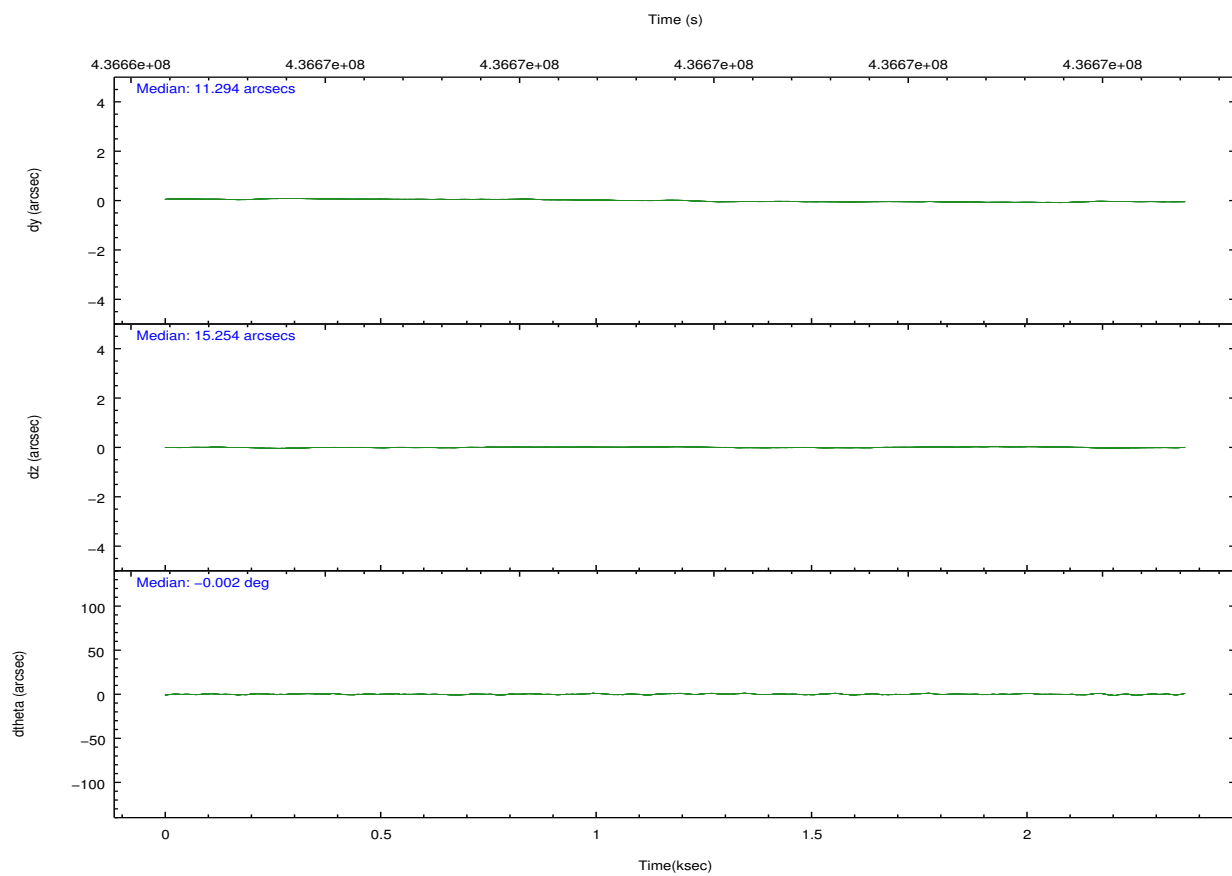
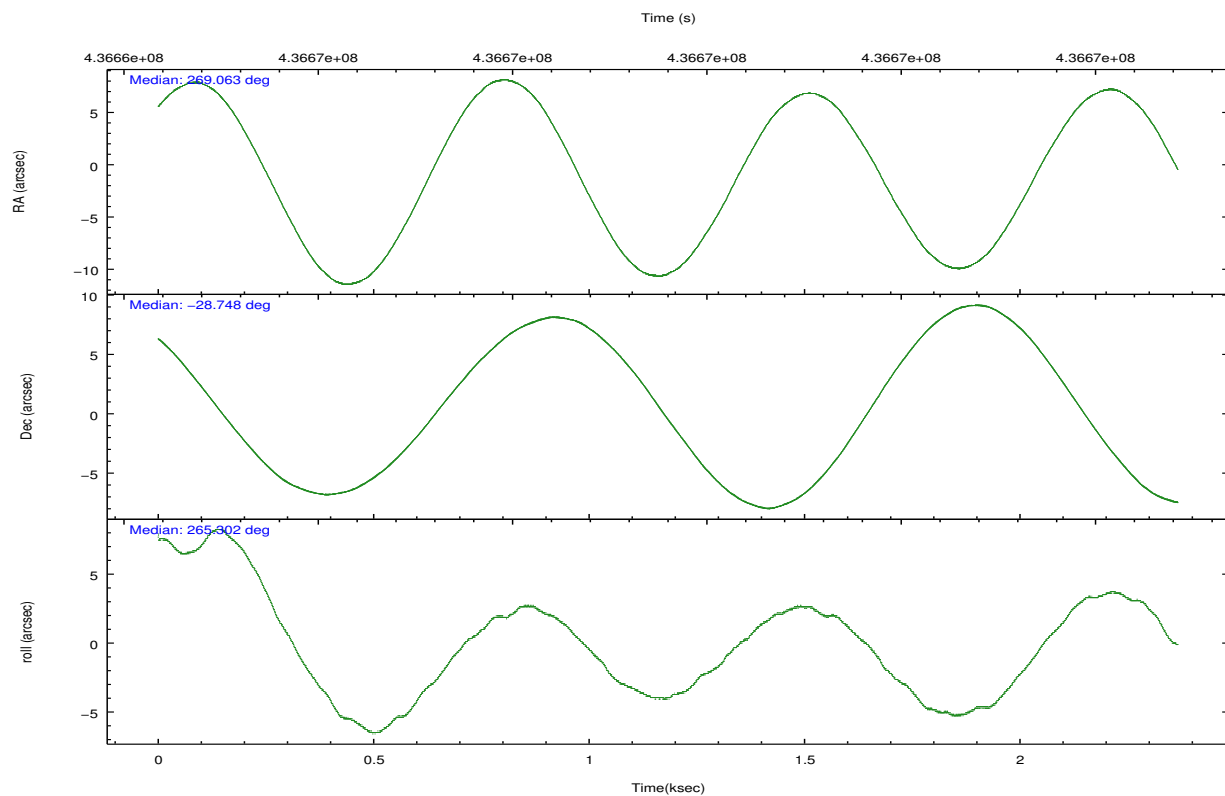
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	765	824	735	808
	7%	6%	6%	6%
grade 1 events	7	9	3	10
	0%	0%	0%	0%
grade 2 events	400	447	358	320
	3%	3%	3%	2%
grade 3 events	120	180	136	176
	1%	1%	1%	1%
grade 4 events	157	154	143	143
	1%	1%	1%	1%
grade 5 events	544	534	510	592
	5%	4%	4%	4%
grade 6 events	287	305	257	242
	2%	2%	2%	1%
grade 7 events	8578	9529	9447	9827
	79%	79%	81%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	269.049445	269.0631825282659	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.723489	-28.74837077723131	Alternating exposures requested	N	N
[deg] Pointing Roll	265.092370	265.3076475084547	[s] Primary exposure time	0.000000	3.1
[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)	436665402.184000	436665026.83949			
Observation start date	2011-11-02T23:55:36	2011-11-02T23:50:26			
[s] Observation end time (MET)	436667582.184000	436667716.43963			
Observation end date	2011-11-03T00:31:56	2011-11-03T00:35:16			
Read mode	TIMED	TIMED			

2.3 Aspect



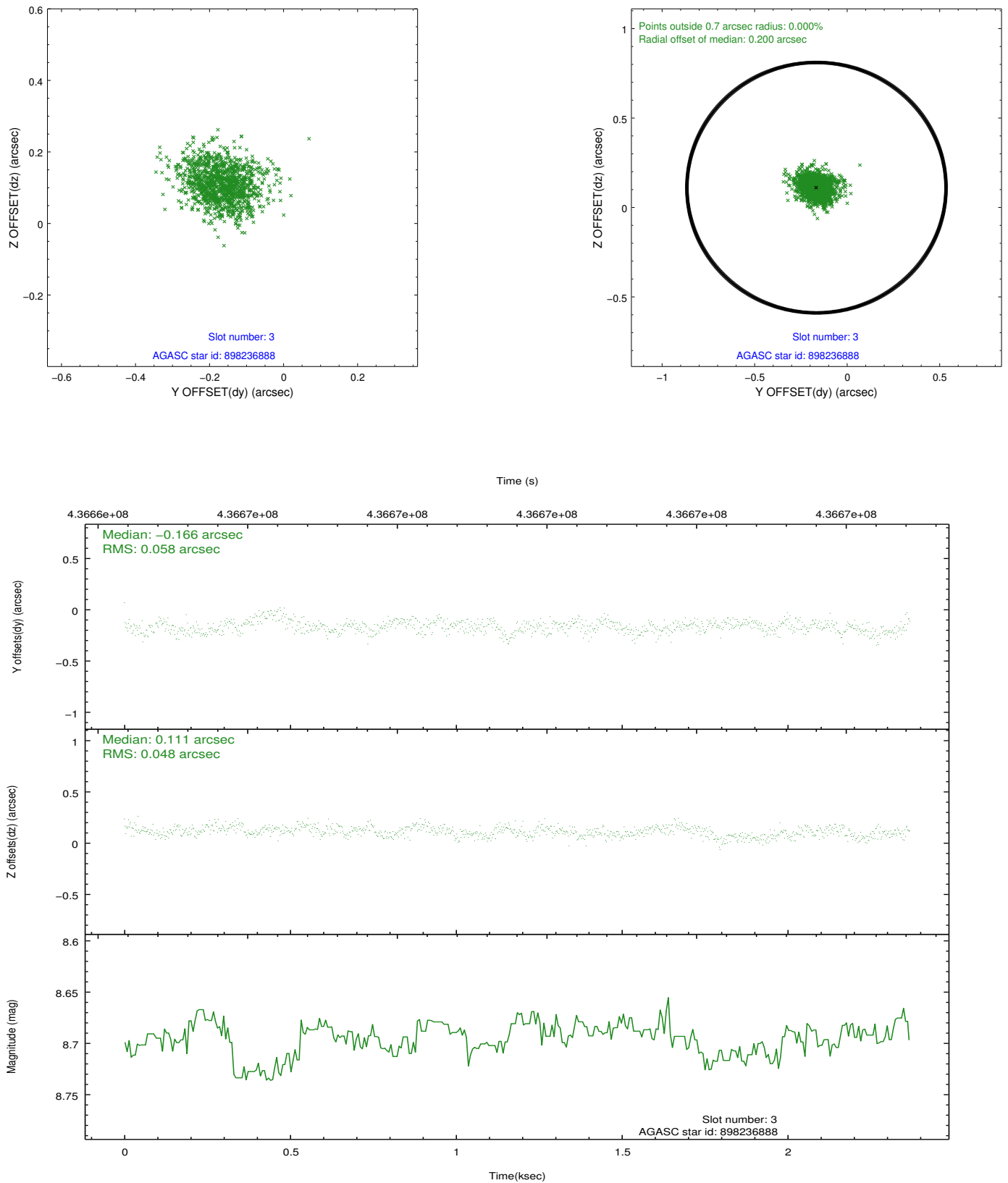


Slot Statistics

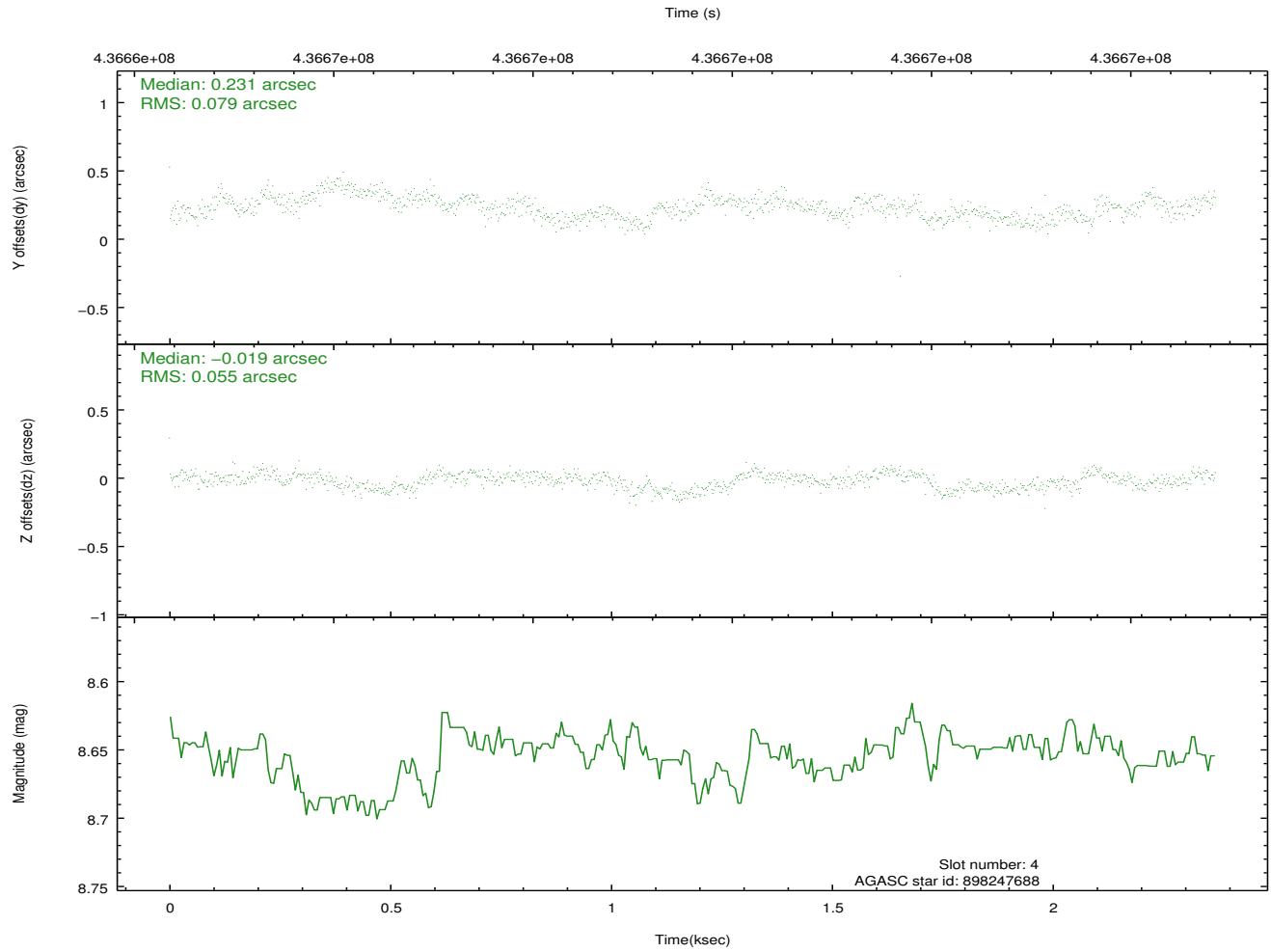
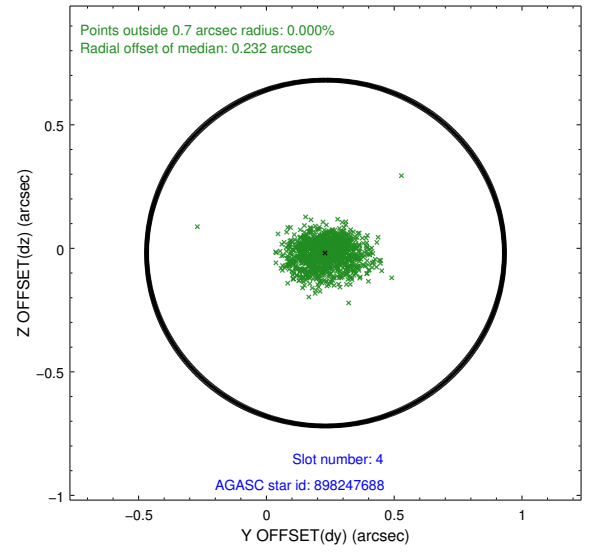
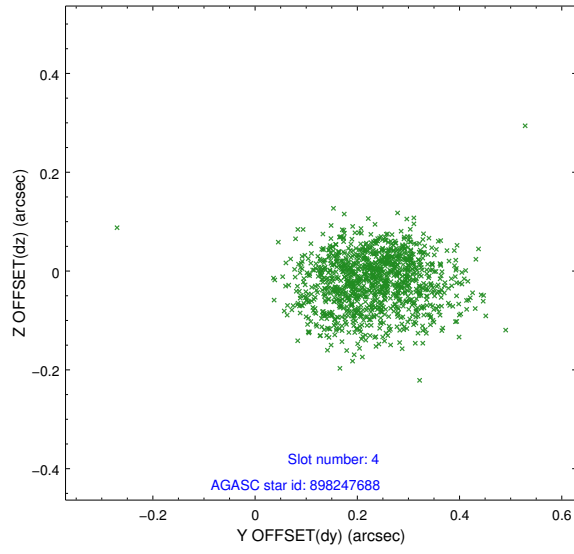
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	578	0.059	-0.046	0.006	0.011	0.000000	0.000000	928.33	-838.91
1	FID	ACIS-I-5	7.02	578	-0.214	0.056	0.006	0.011	0.000000	0.000000	-1818.54	1057.30
2	FID	ACIS-I-6	7.02	578	0.064	0.060	0.007	0.011	0.000000	0.000000	390.89	1704.92
3	GUIDE	898236888	8.69	1154	-0.166	0.111	0.081	0.131	269.539947	-28.141730	-2216.87	1371.94
4	GUIDE	898247688	8.65	1156	0.231	-0.019	0.102	0.164	268.426687	-29.012154	1206.94	-1863.28
5	GUIDE	898258992	8.00	1156	-0.079	0.077	0.062	0.108	269.435214	-28.570389	-650.51	1166.13
6	GUIDE	898267256	9.37	1153	0.187	-0.088	0.102	0.168	269.153744	-29.049851	1142.43	428.14
7	GUIDE	897721112	8.71	1155	-0.171	-0.075	0.106	0.169	268.338159	-28.057278	-2188.43	-2456.56

2.4 Star Slots

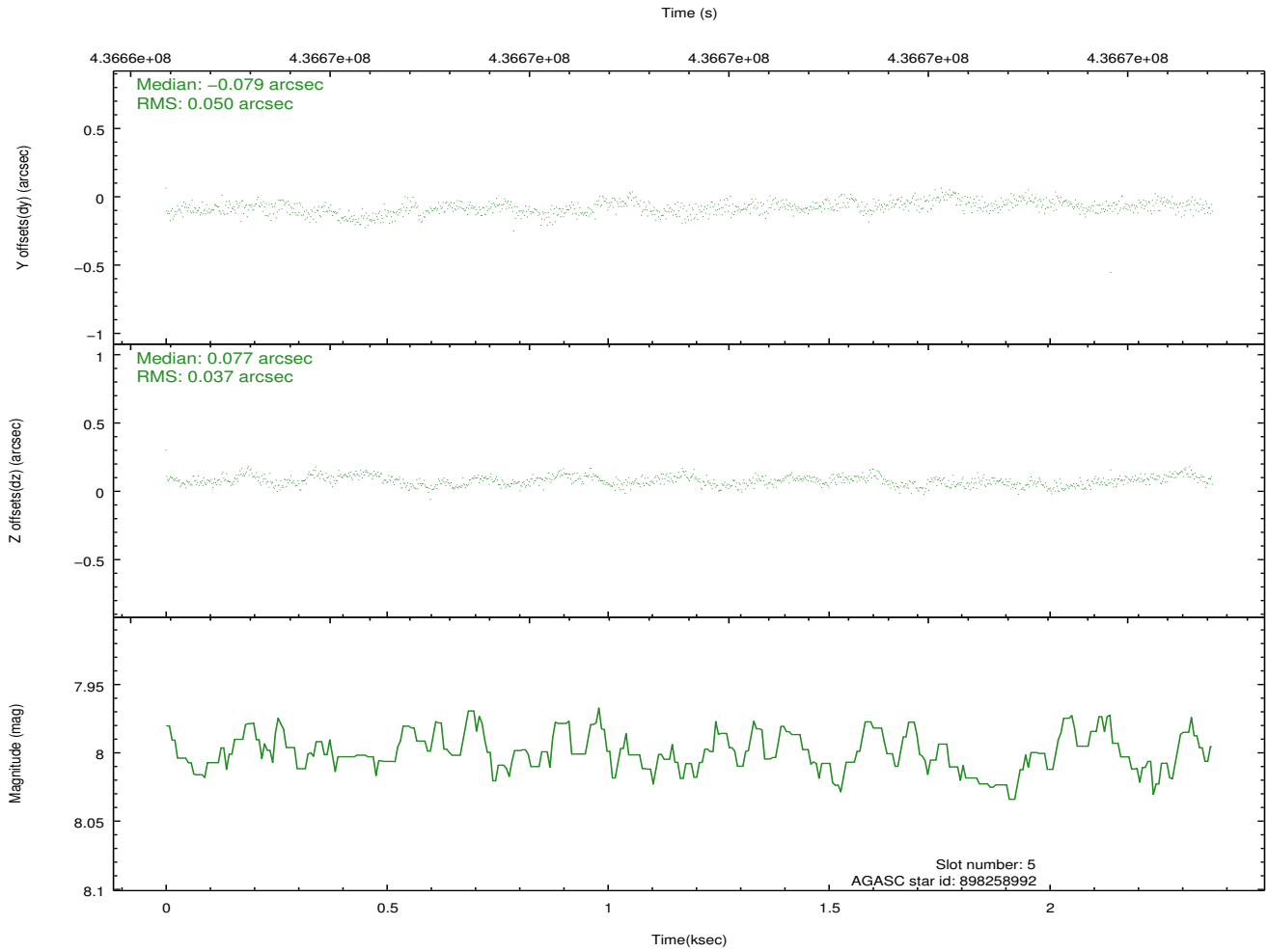
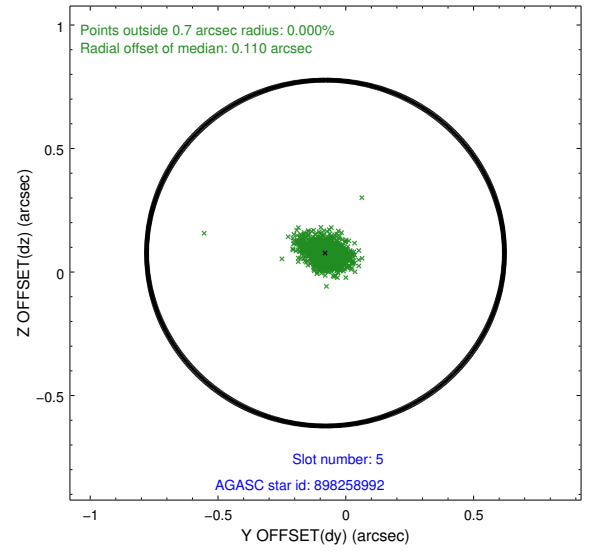
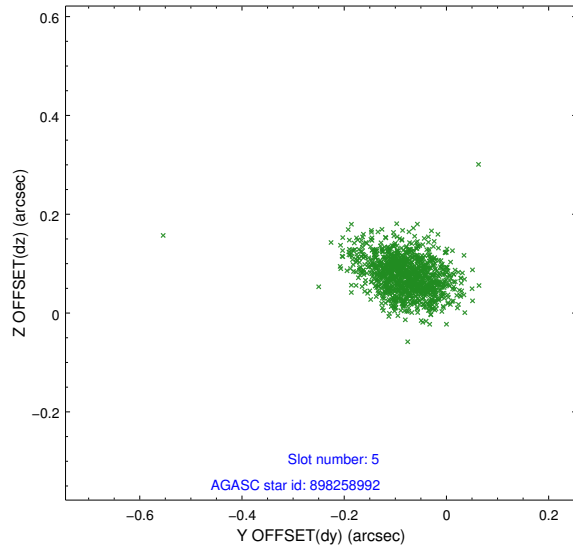
2.4.1 Slot 3



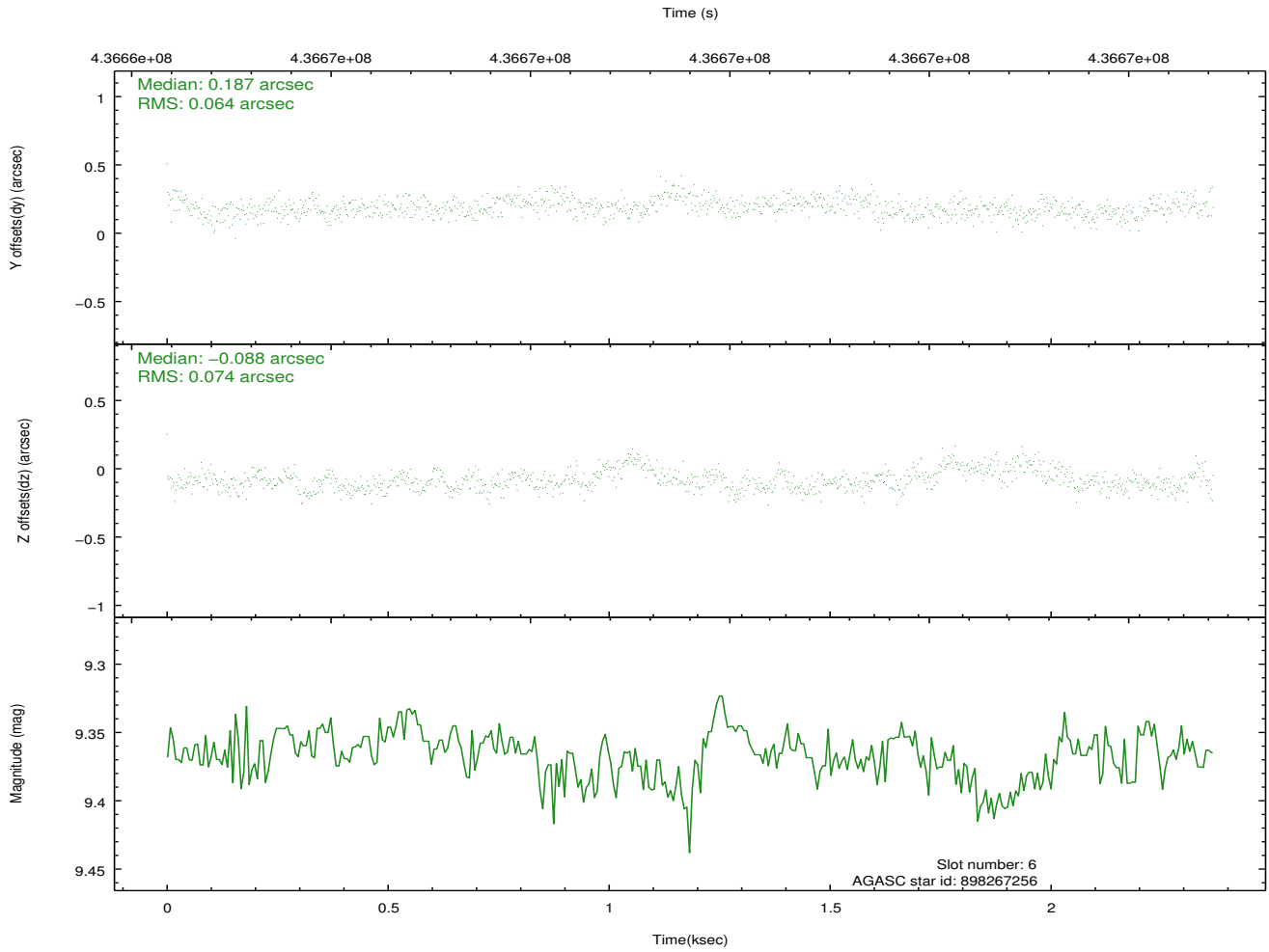
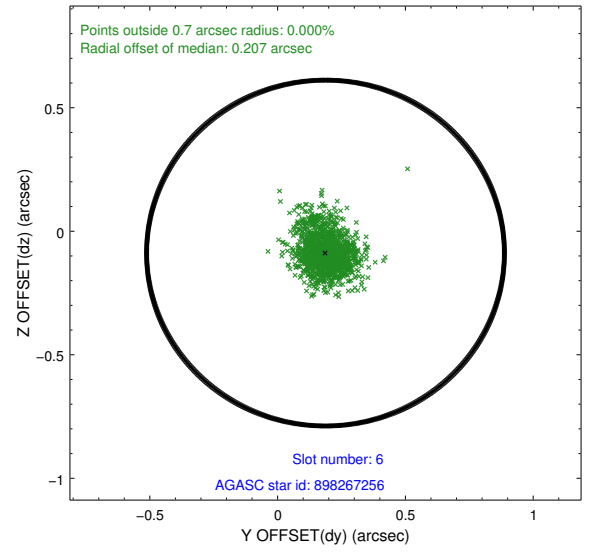
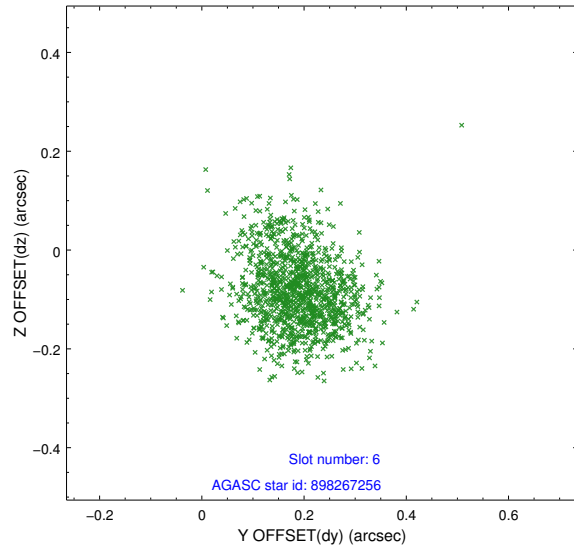
2.4.2 Slot 4



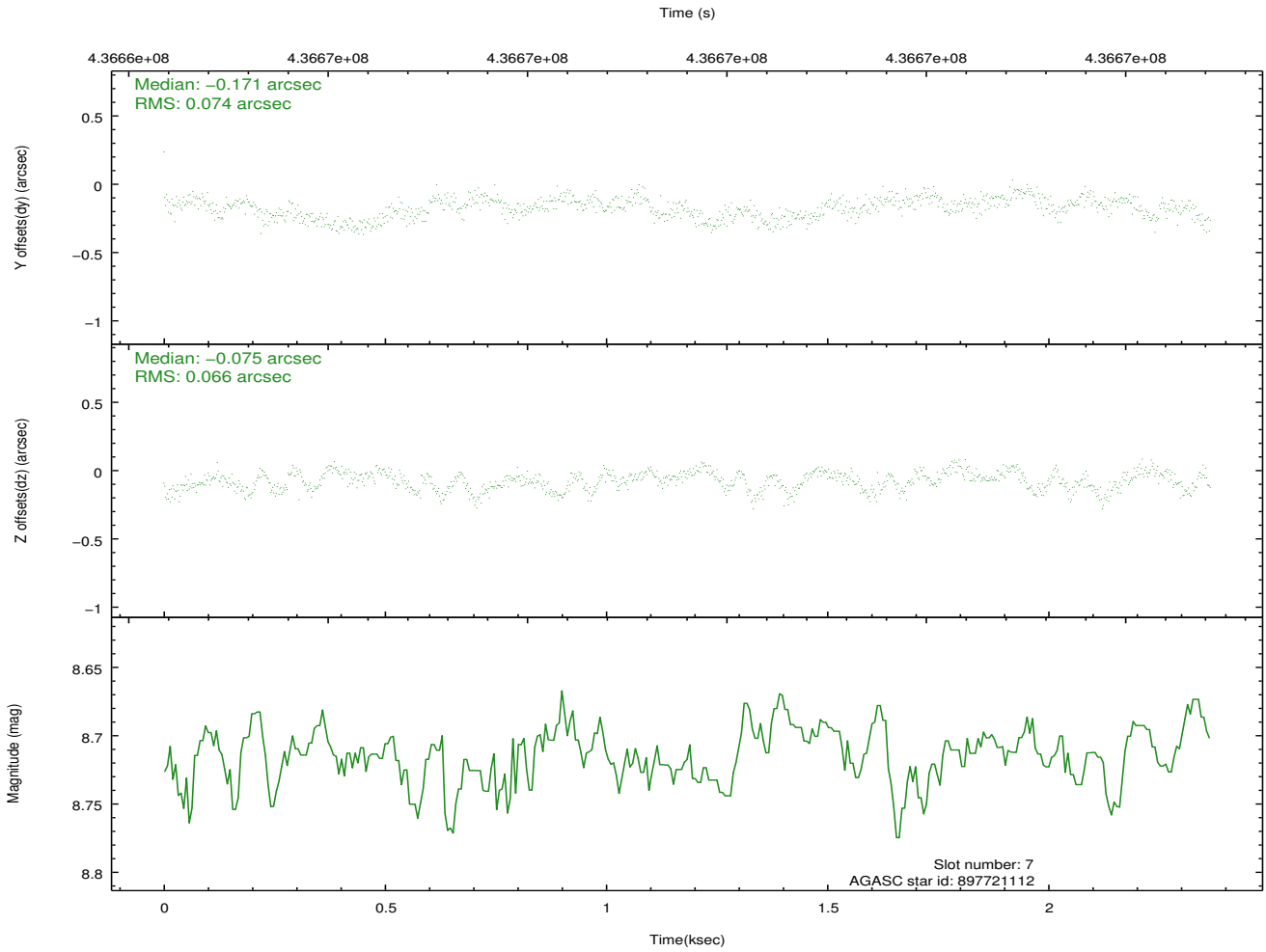
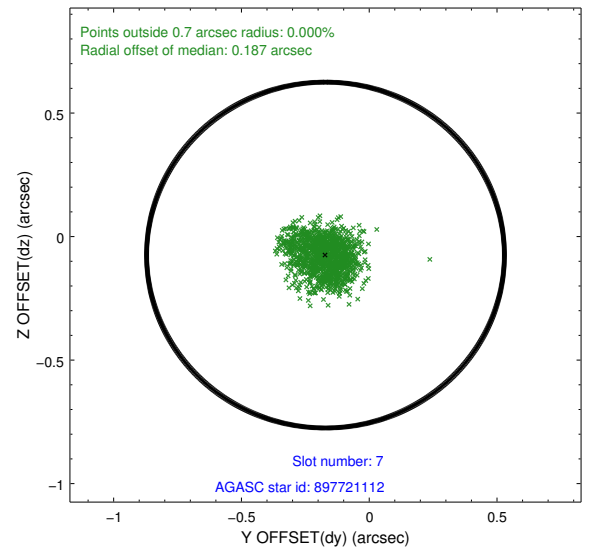
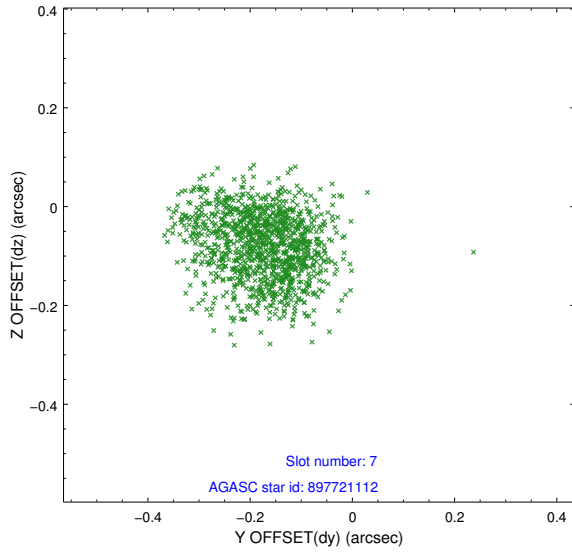
2.4.3 Slot 5



2.4.4 Slot 6

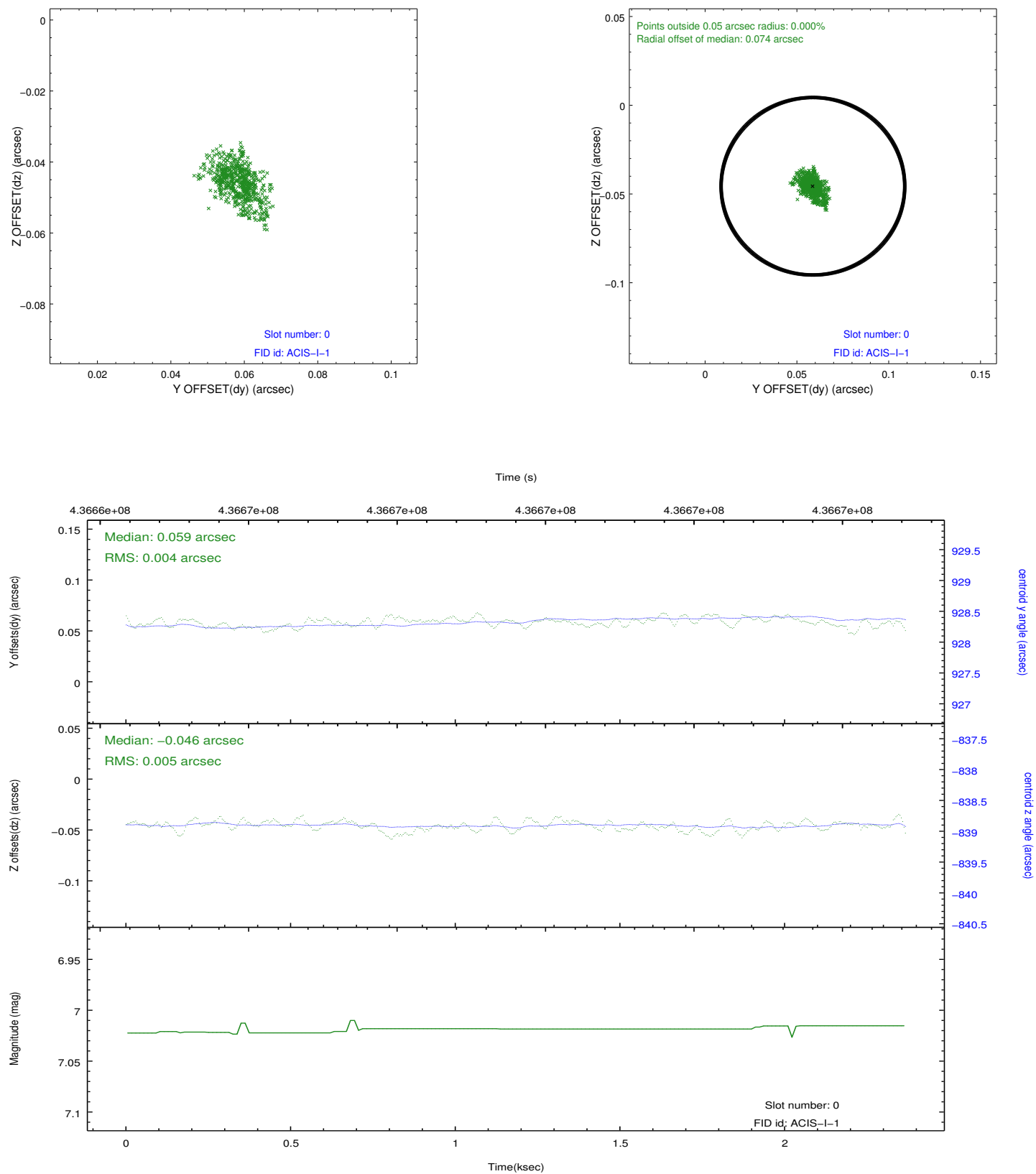


2.4.5 Slot 7

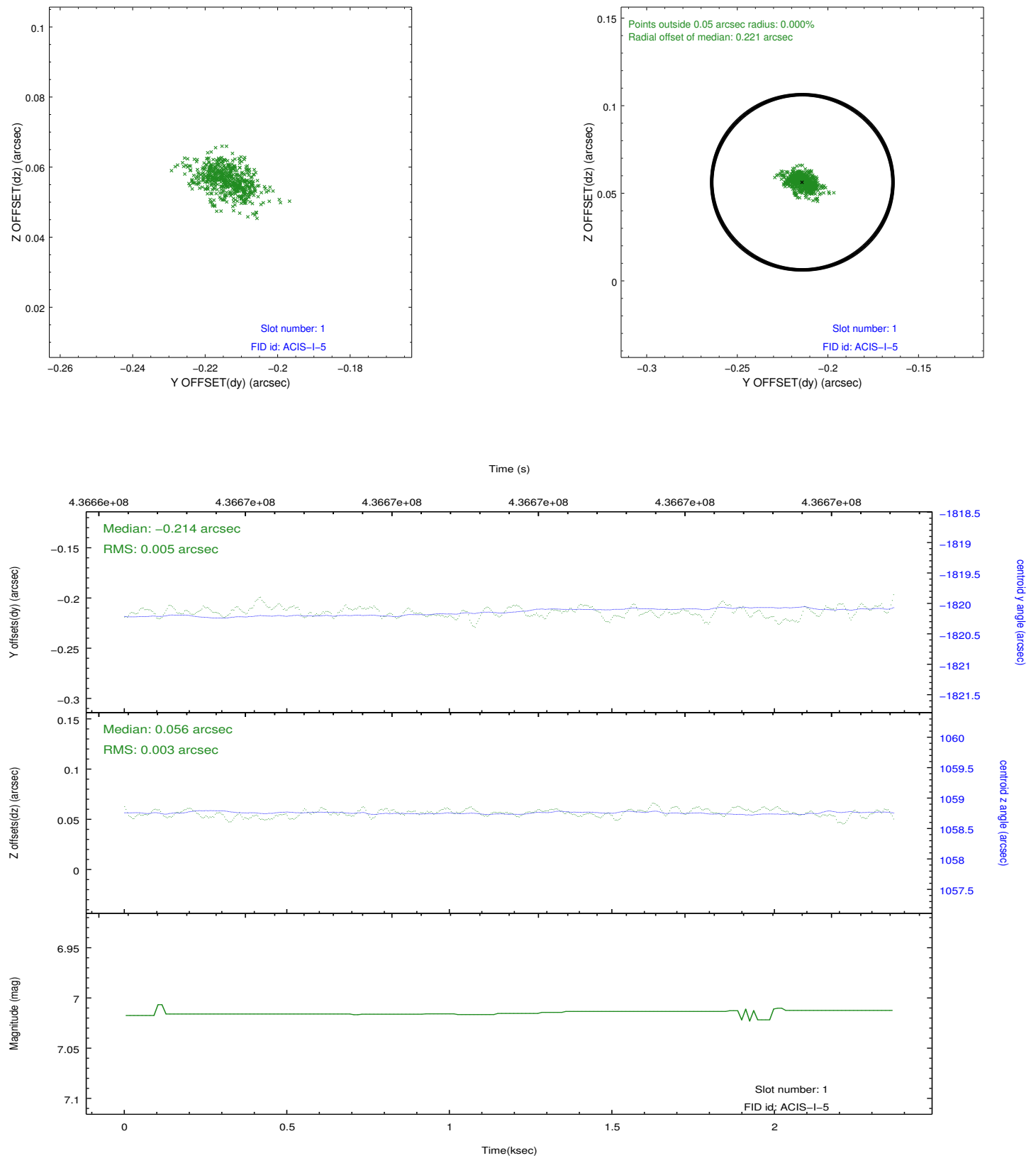


2.5 FID Slots

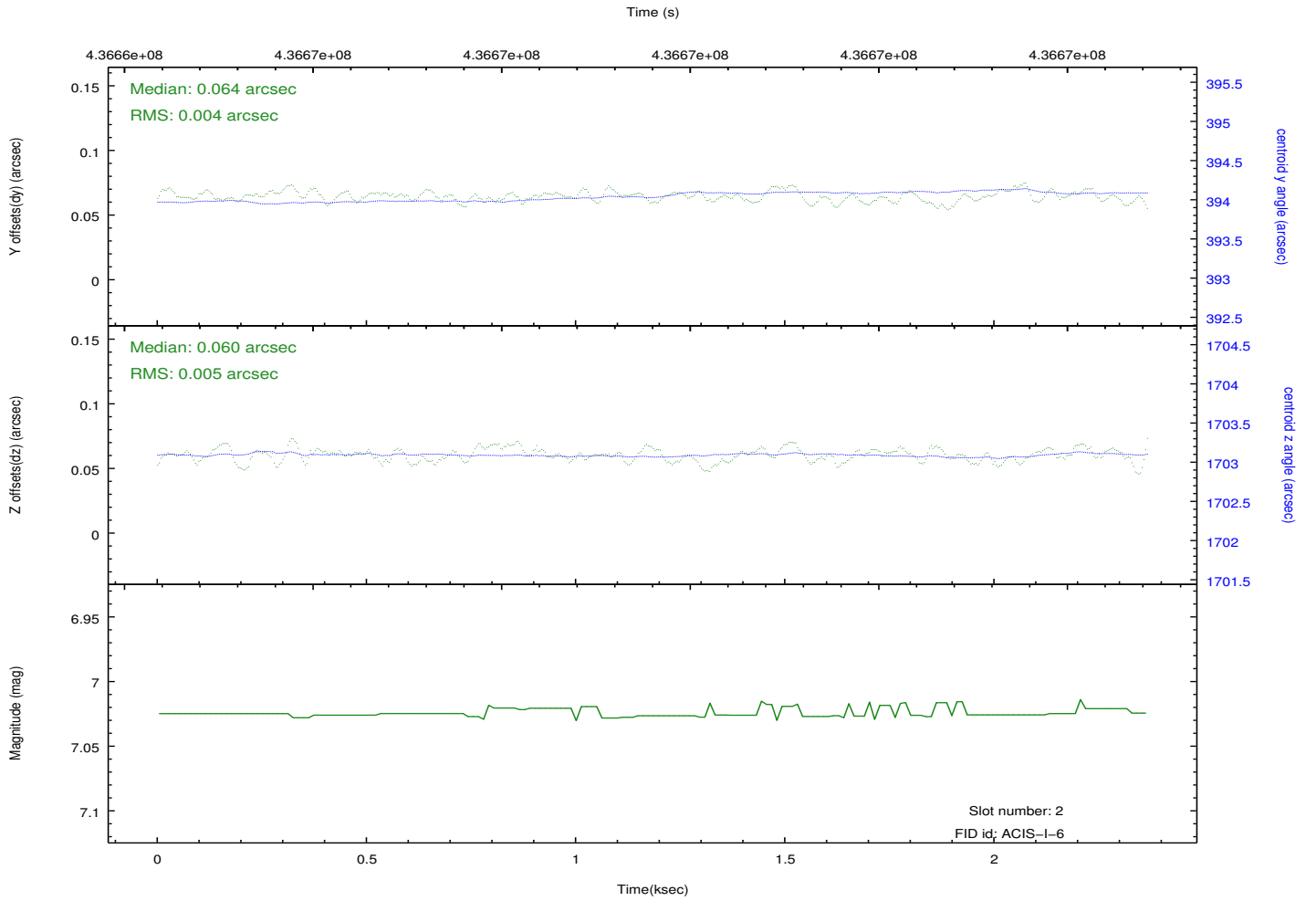
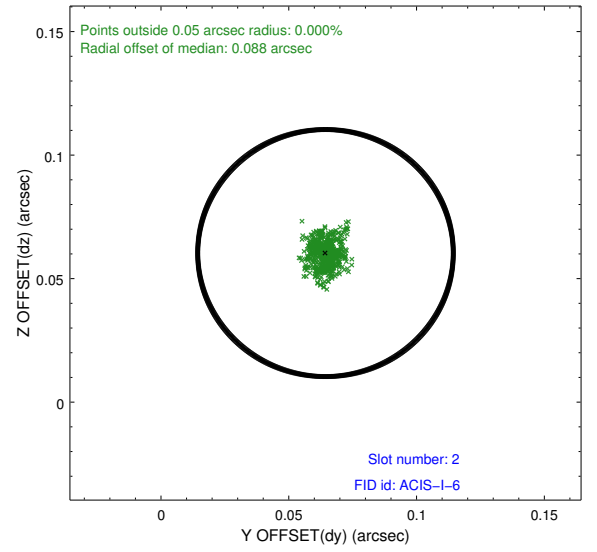
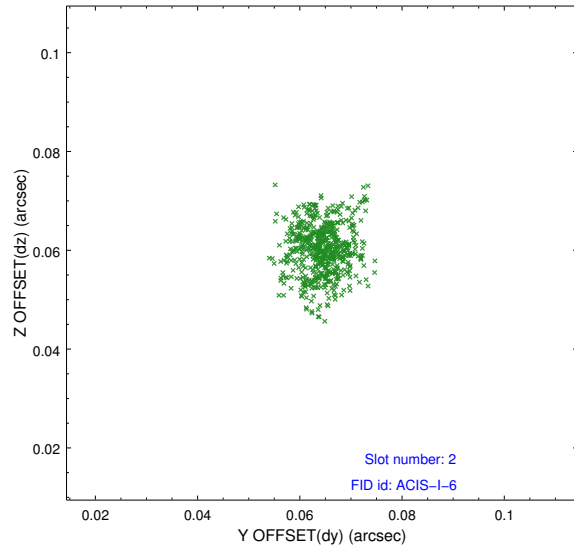
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9737858250737

A.2 Comments

Joint proposal with NOAO.