

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13532 - L2 Version 2
Chandra X-Ray Center

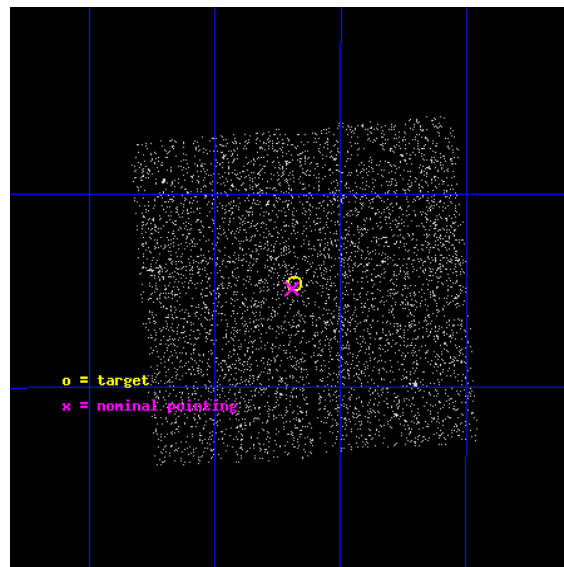
L2 Processing Date : Feb 25 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

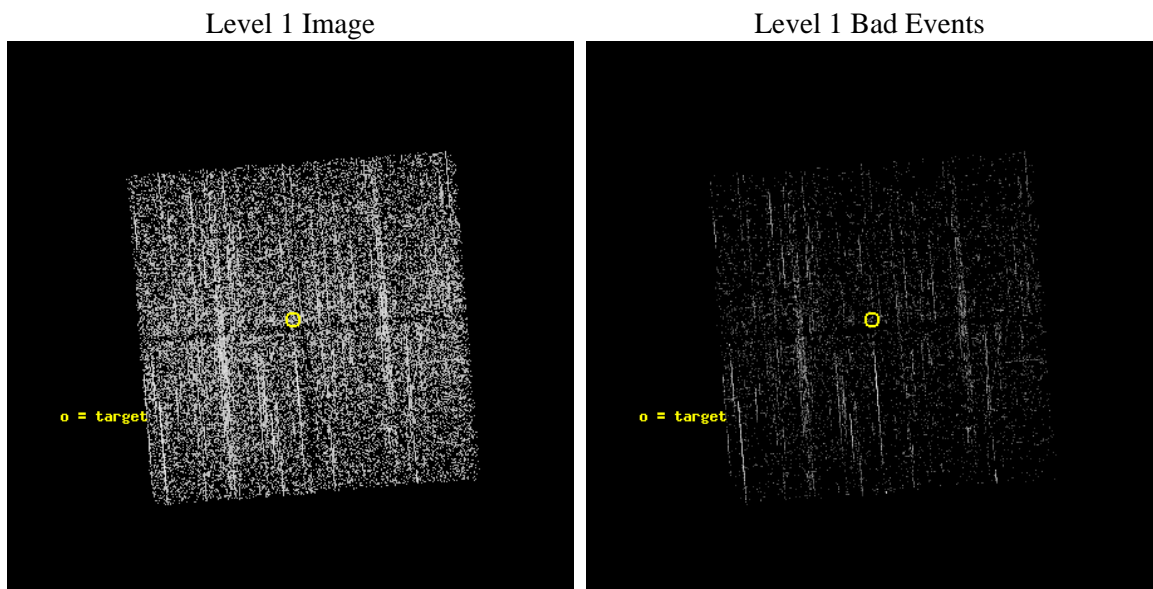
seq_num	401308	Sequence number
obs_id	13532	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.796474	Observer's specified target RA [deg]
dec_targ	-28.743352	Observer's specified target Dec [deg]
ra_nom	268.7986308172	Nominal RA [deg]
dec_nom	-28.74847665966	Nominal Dec [deg]
roll_nom	265.47944883836	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1971.6000151634	Sum of GTIs [s]
livetime	1945.8396094945	Livetime [s]
ontime0	1971.6000151634	Sum of GTIs [s]
ontime1	1971.6000151634	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	5954	Number of level 2 events



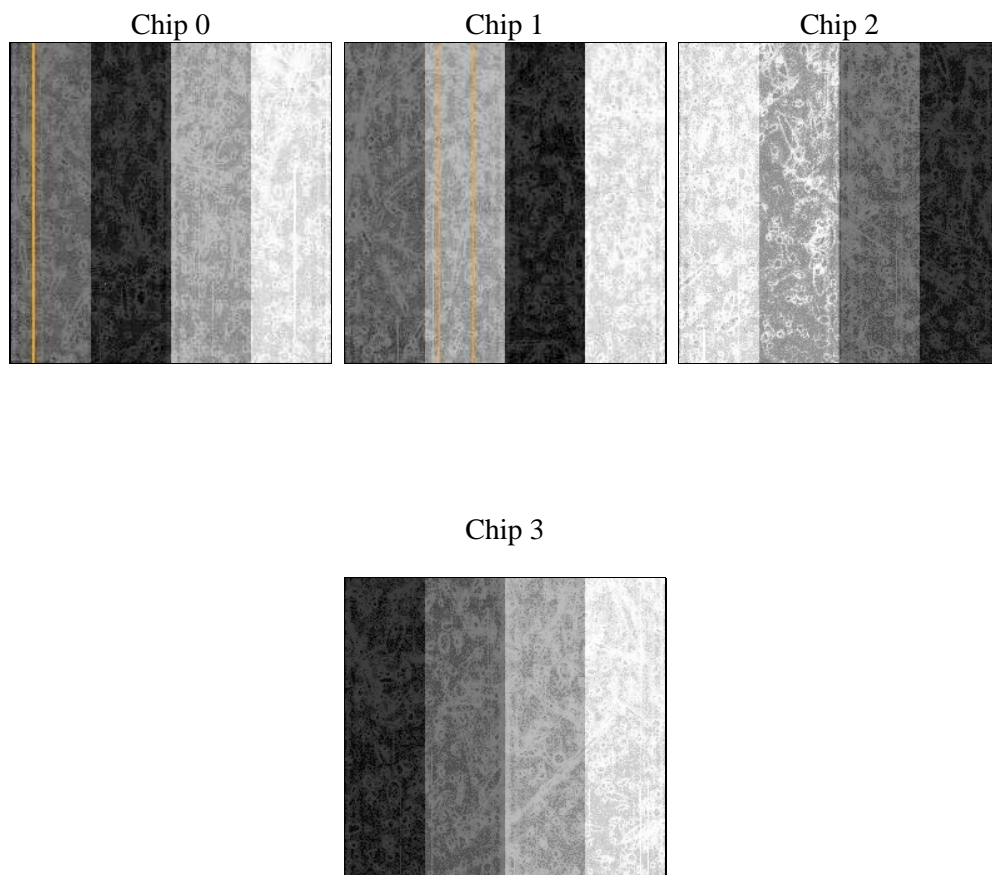
2 OBI

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	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-02-26T01:07:40	Date and time of file creation	ontime1	1971.6000151634	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.6000151634	Sum of GTIs [s]
			ontime3	1971.6000151634	Sum of GTIs [s]
			l1events	48410	Number of level 1 events

2.1.4 Events

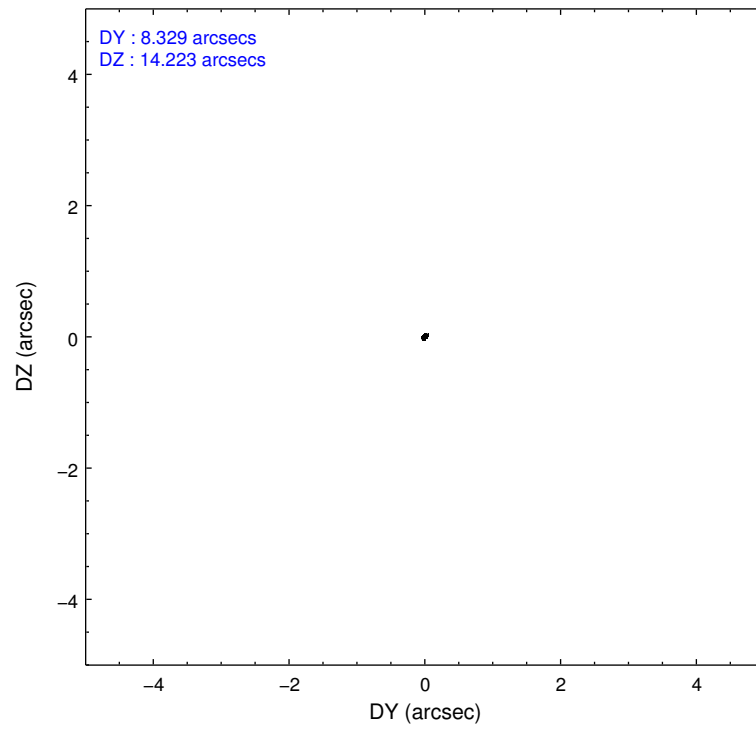
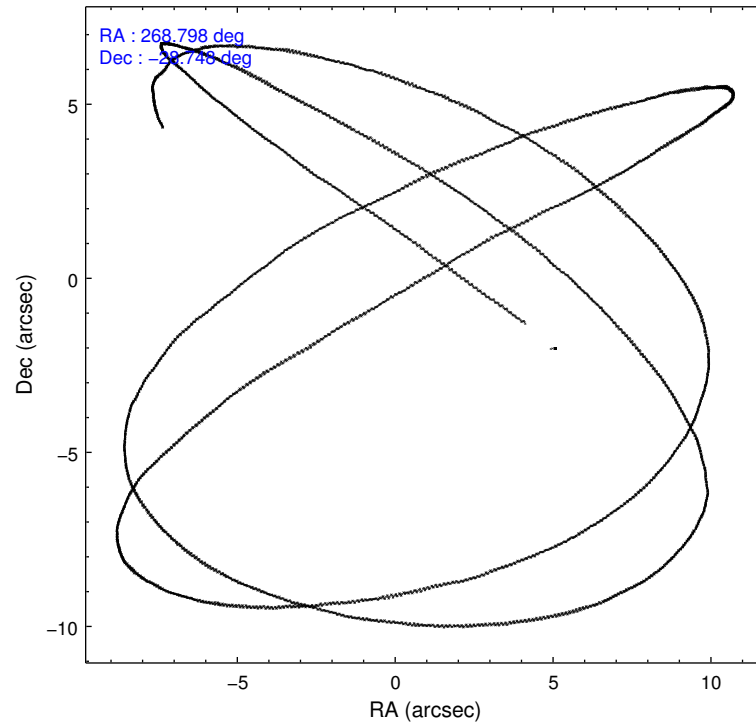
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10778	11191	14252	12189
rejected events	9087	9319	12474	10510
rejected %	84%	83%	87%	86%

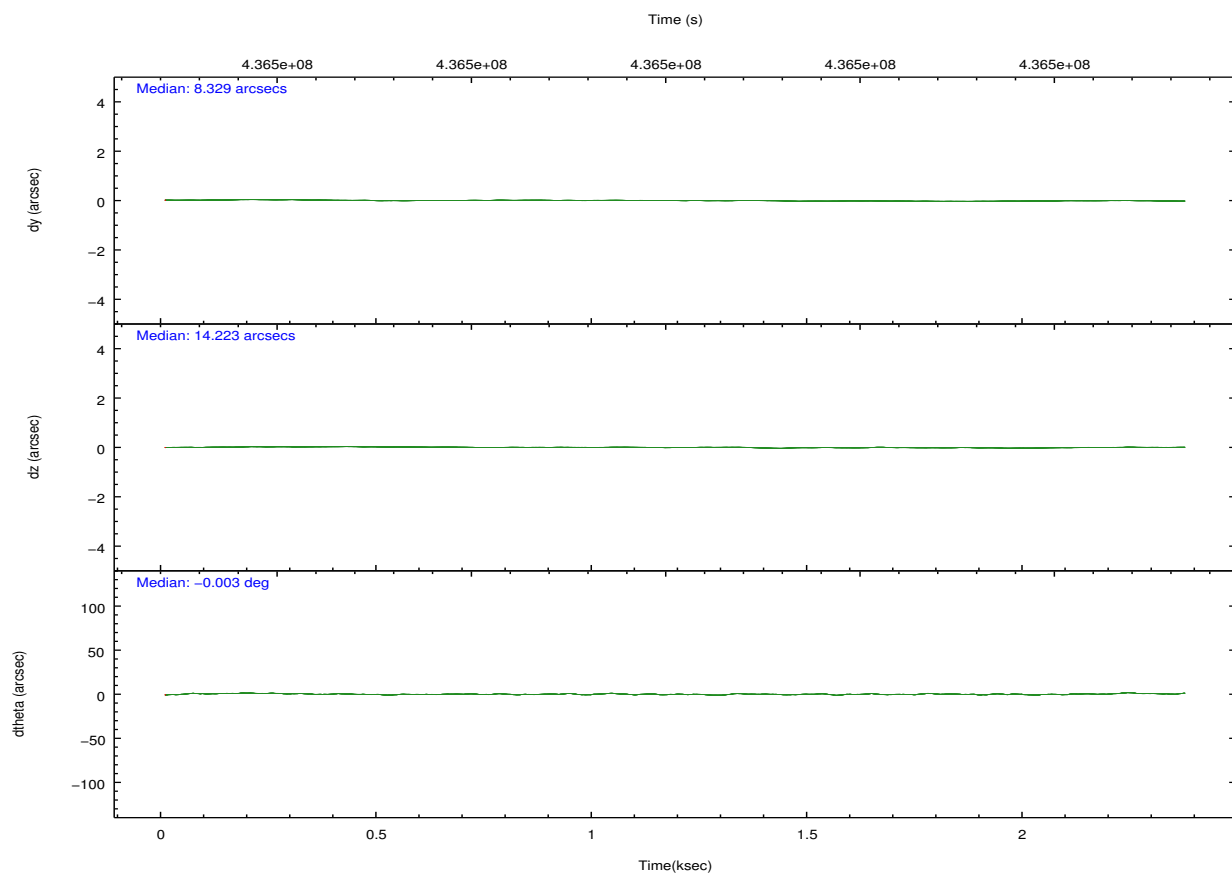
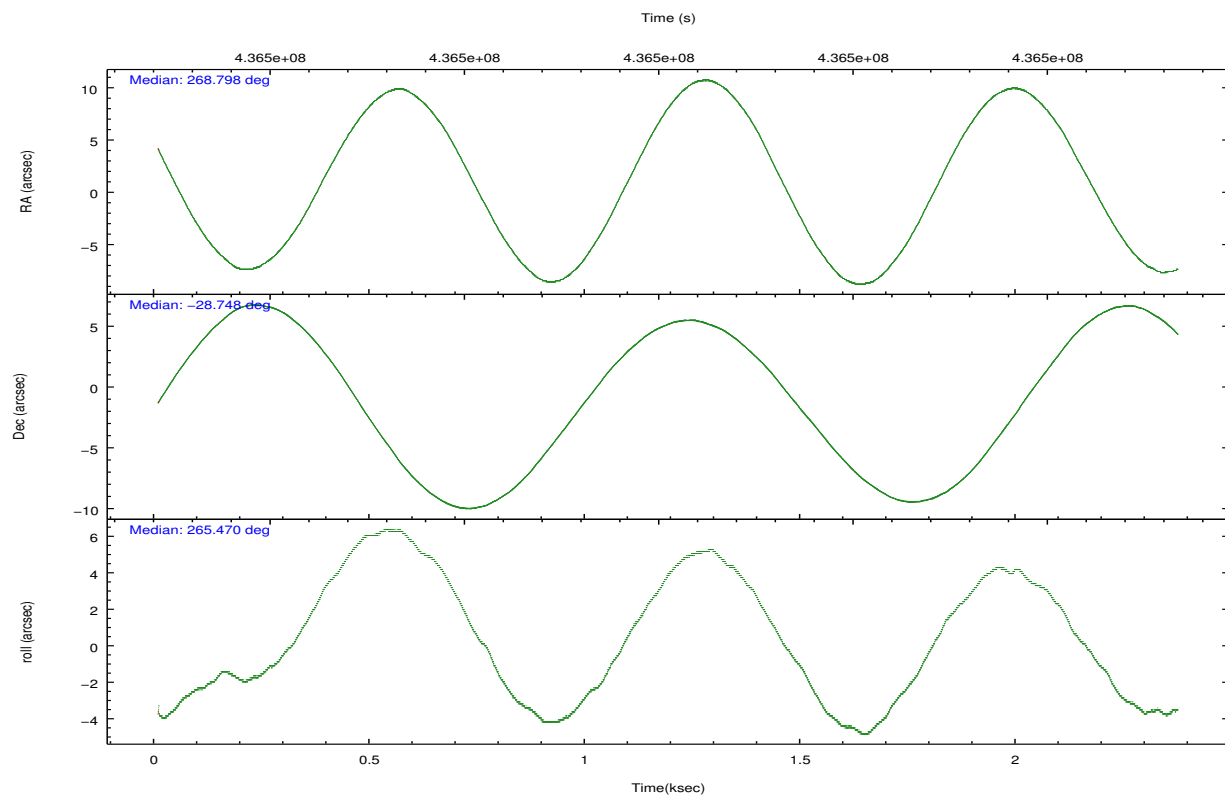
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	759	825	804	779
	7%	7%	5%	6%
grade 1 events	9	7	9	13
	0%	0%	0%	0%
grade 2 events	396	414	373	313
	3%	3%	2%	2%
grade 3 events	123	159	150	160
	1%	1%	1%	1%
grade 4 events	151	167	171	165
	1%	1%	1%	1%
grade 5 events	543	576	514	615
	5%	5%	3%	5%
grade 6 events	273	314	285	275
	2%	2%	1%	2%
grade 7 events	8524	8729	11946	9869
	79%	78%	83%	80%

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	268.785144	268.7986308172023	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.723966	-28.74847665965973	Alternating exposures requested	N	N
[deg] Pointing Roll	265.264304	265.4794488383596	[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)	436500039.184000	436499662.55578			
Observation start date	2011-11-01T01:59:33	2011-11-01T01:54:22			
[s] Observation end time (MET)	436502219.184000	436502353.18093			
Observation end date	2011-11-01T02:35:53	2011-11-01T02:39:13			
Read mode	TIMED	TIMED			

2.3 Aspect



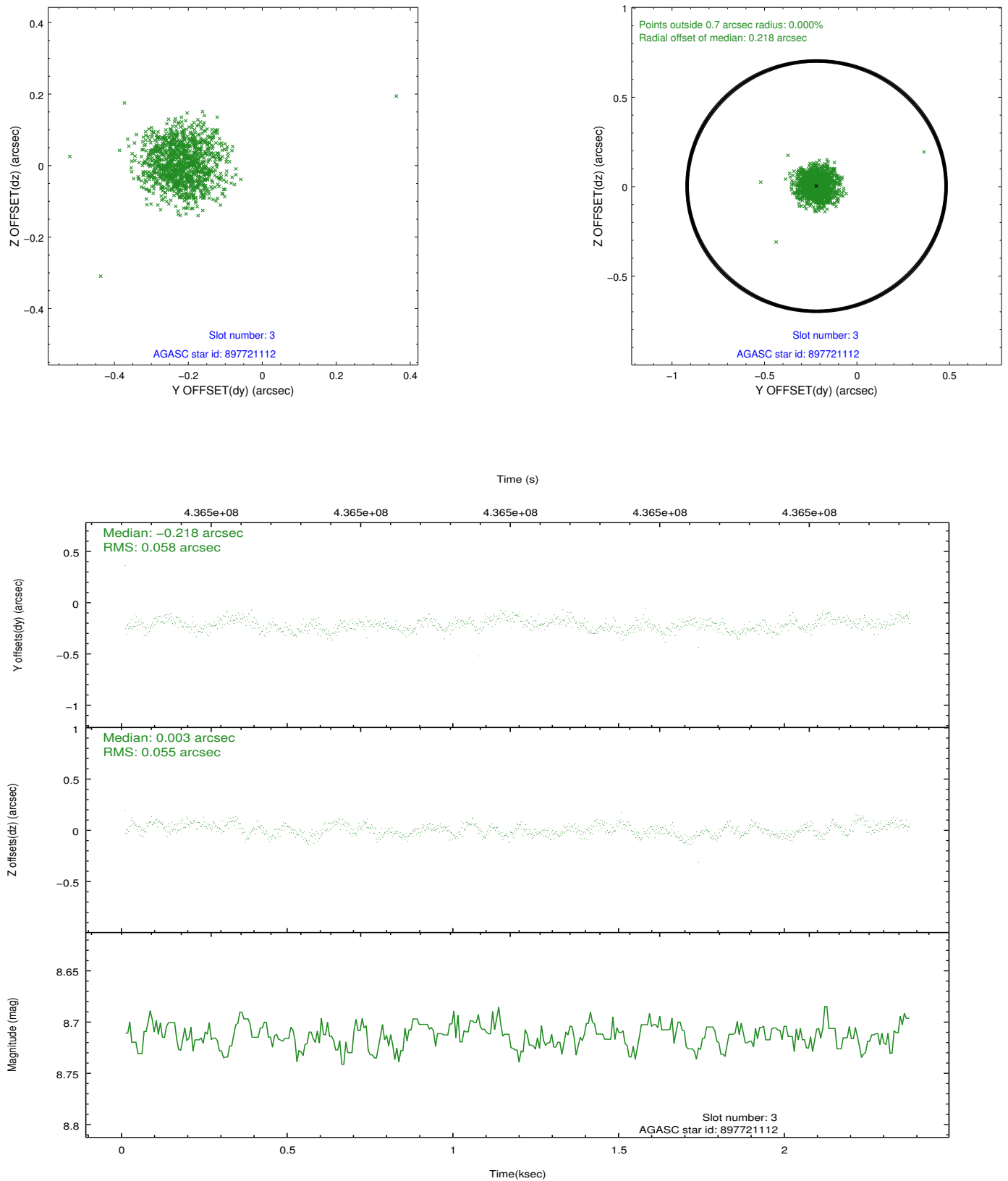


Slot Statistics

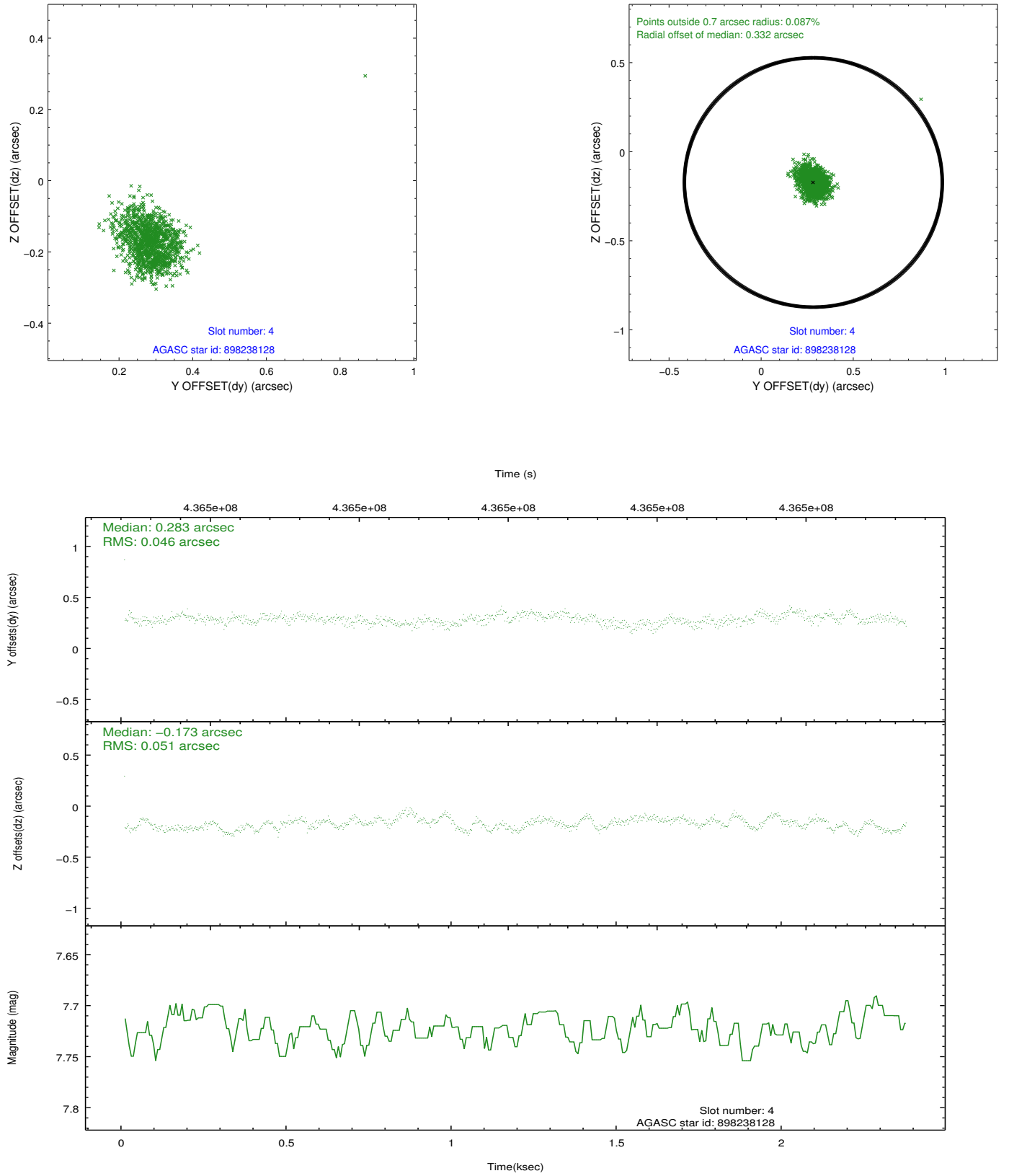
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	578	0.076	-0.040	0.006	0.009	0.000000	0.000000	931.40	-837.84
1	FID	ACIS-I-5	7.00	578	-0.232	0.072	0.006	0.011	0.000000	0.000000	-1815.51	1058.36
2	FID	ACIS-I-6	7.00	578	0.065	0.038	0.006	0.010	0.000000	0.000000	393.93	1705.96
3	GUIDE	897721112	8.71	1156	-0.218	0.003	0.085	0.130	268.338159	-28.057278	-2270.80	-1612.82
4	GUIDE	898238128	7.72	1156	0.283	-0.173	0.071	0.113	268.450740	-28.688500	-38.87	-1063.71
5	GUIDE	898247688	8.66	1156	0.195	-0.111	0.074	0.118	268.426687	-29.012154	1130.36	-1038.98
6	GUIDE	898258992	8.01	1156	-0.058	0.040	0.056	0.091	269.435214	-28.570389	-713.30	2002.86
7	GUIDE	898236888	8.72	1153	-0.203	0.242	0.099	0.168	269.539947	-28.141730	-2279.26	2217.93

2.4 Star Slots

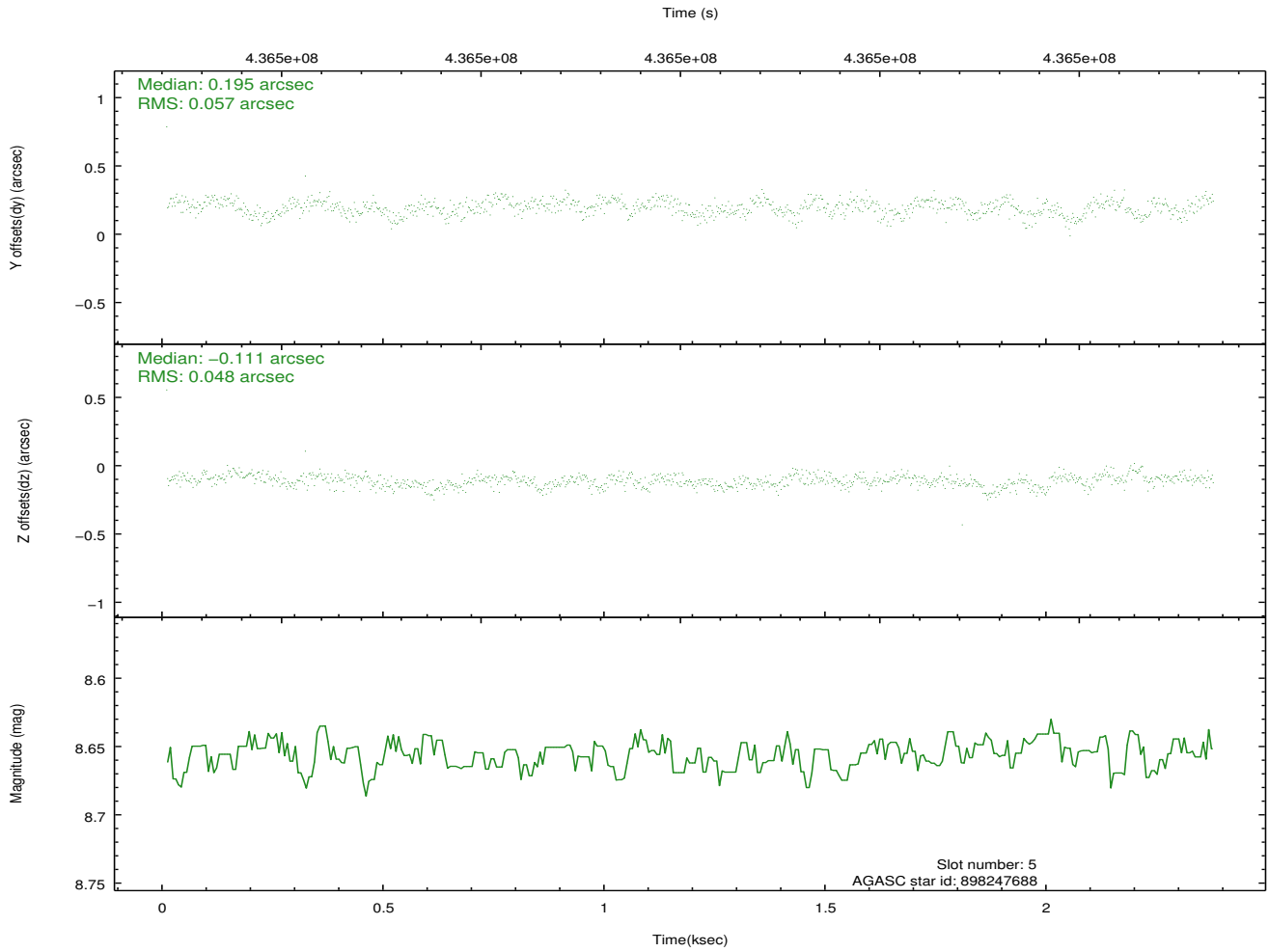
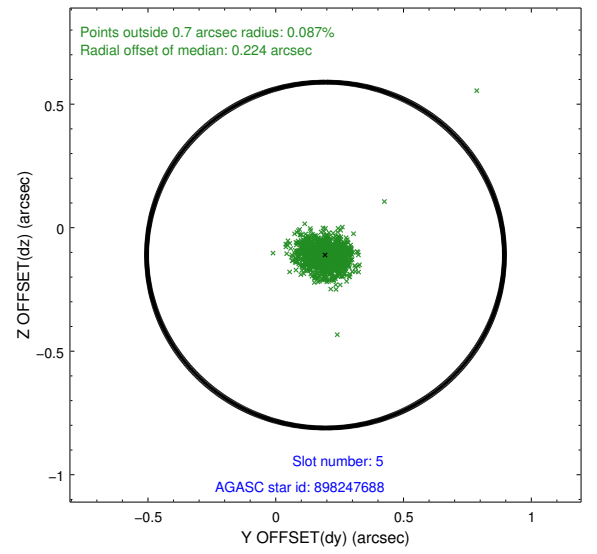
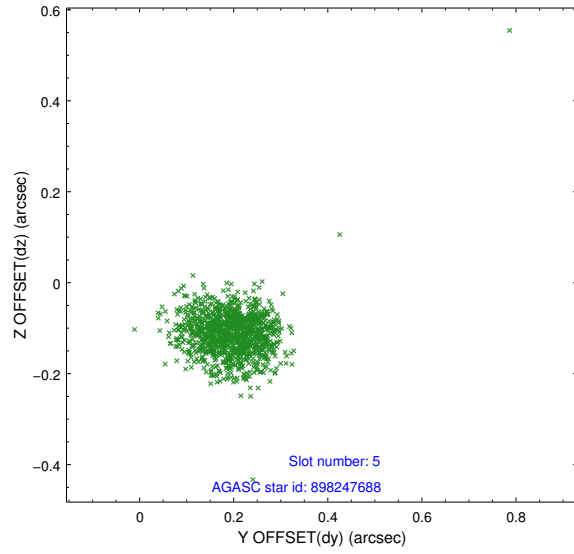
2.4.1 Slot 3



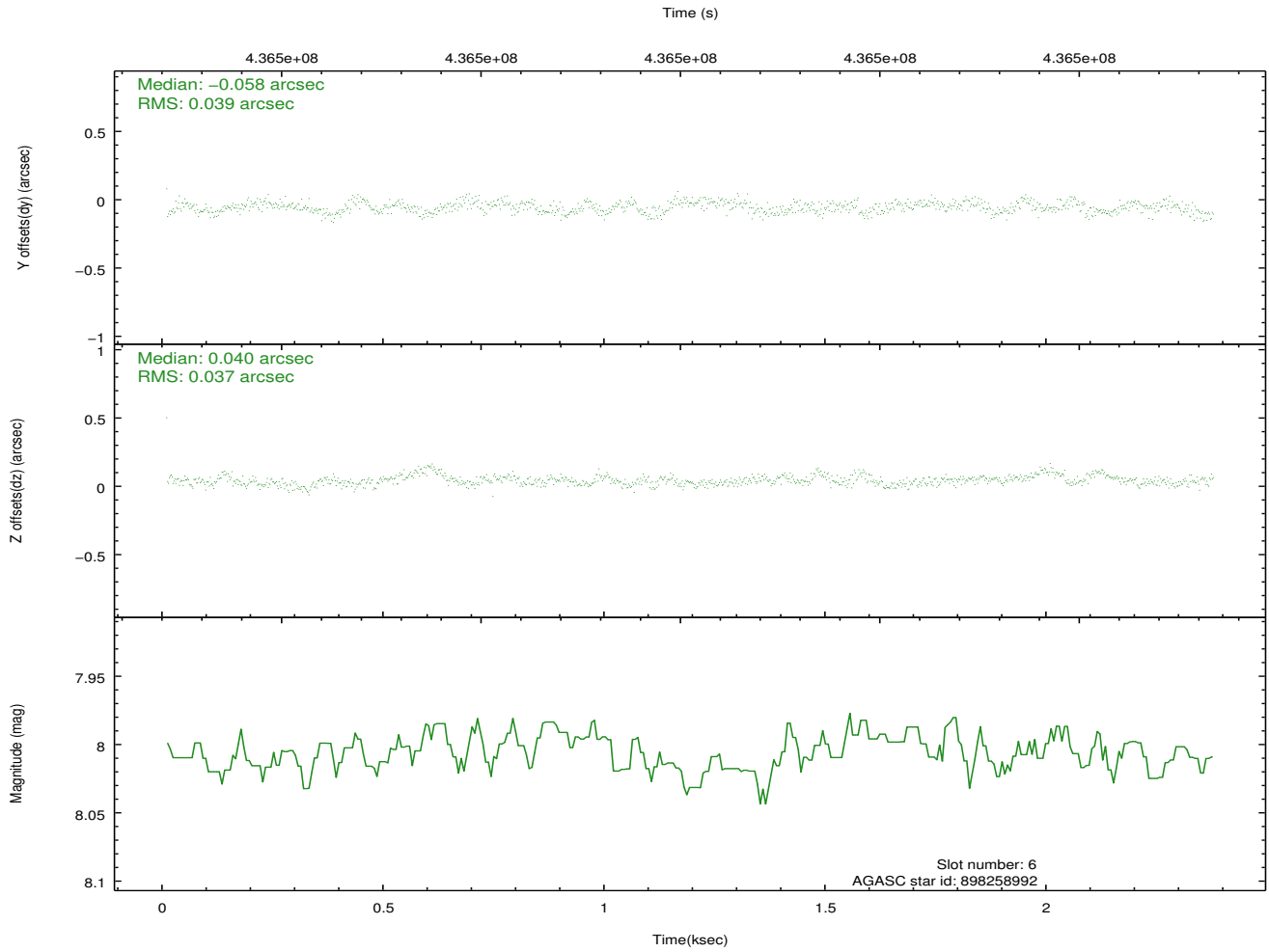
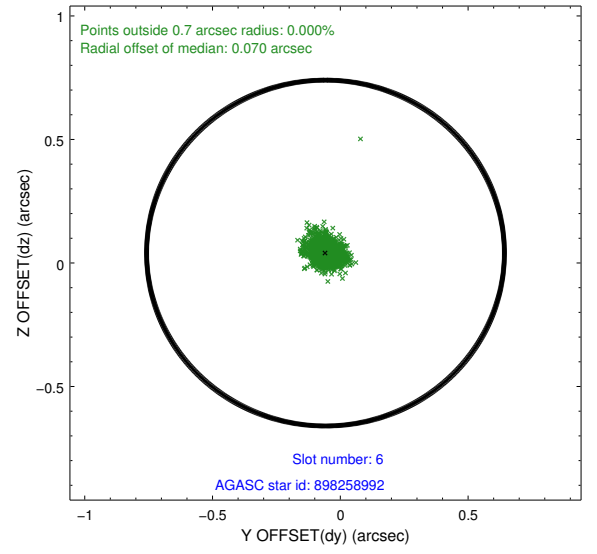
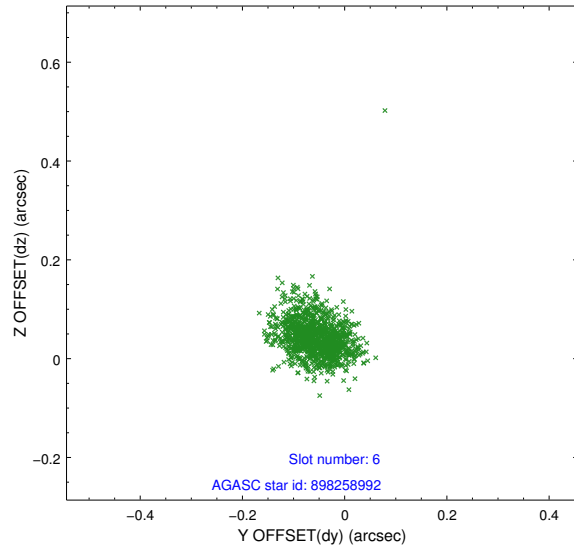
2.4.2 Slot 4



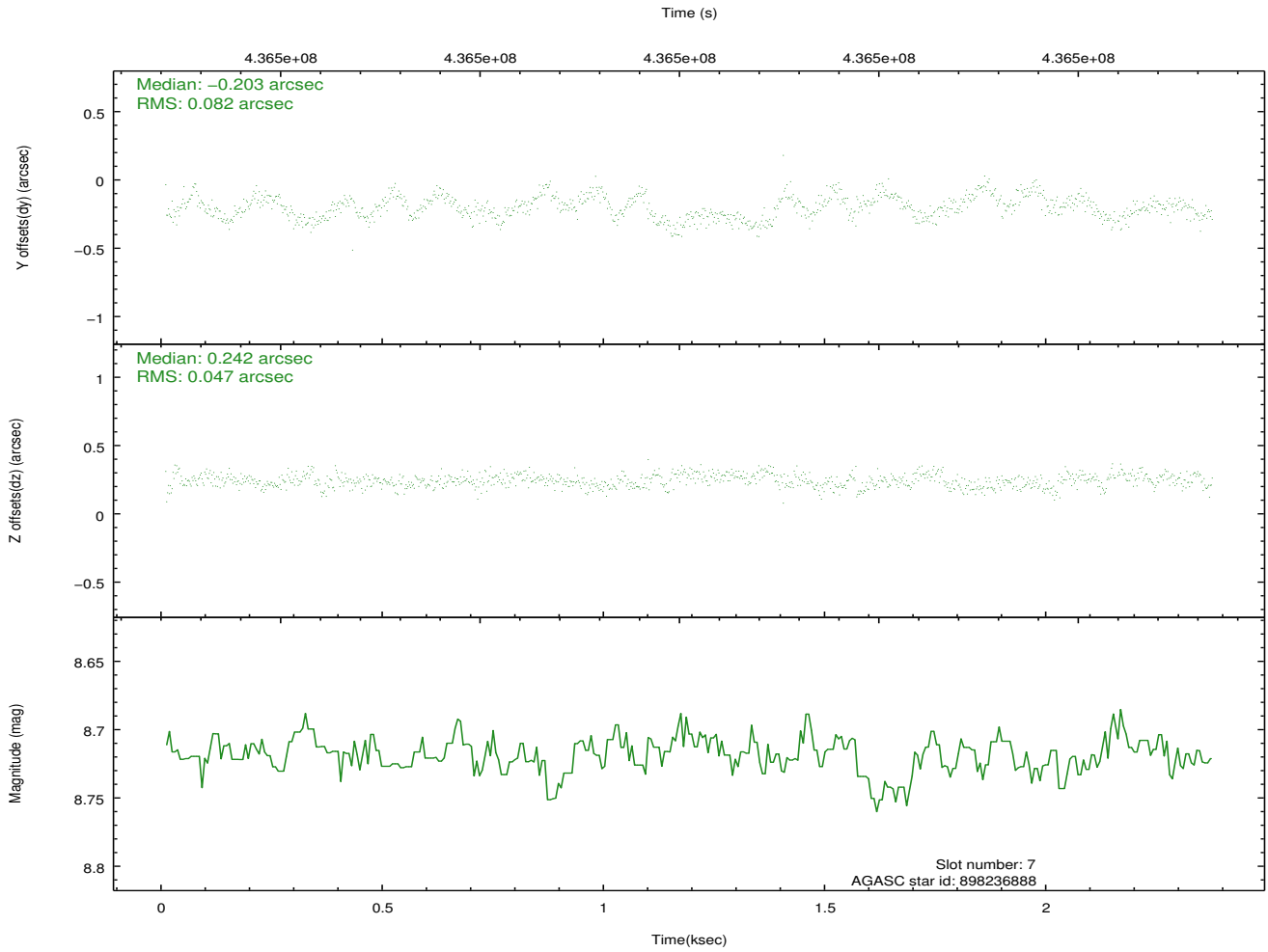
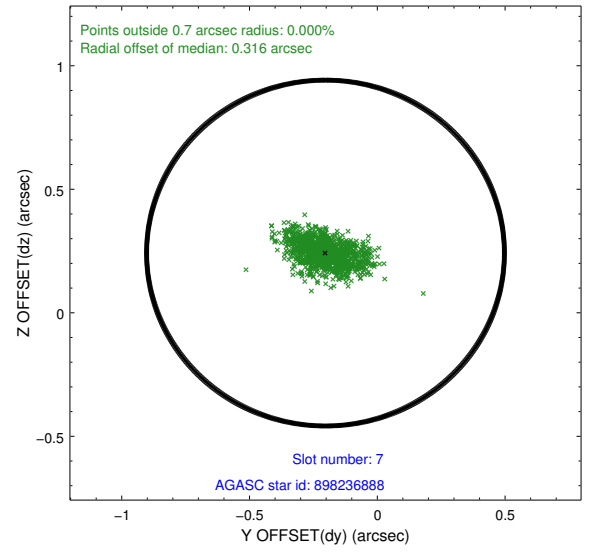
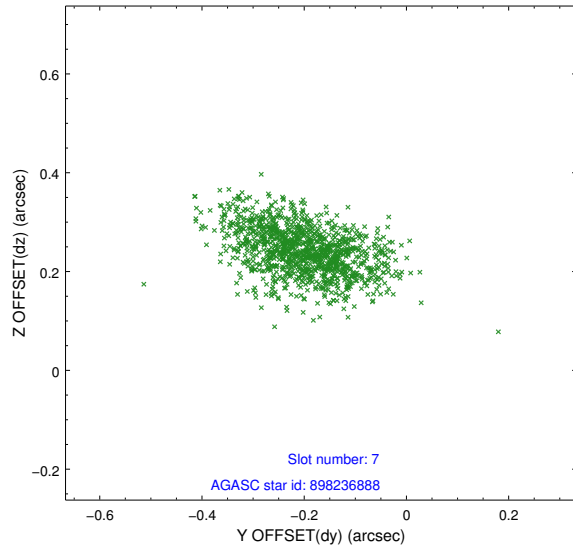
2.4.3 Slot 5



2.4.4 Slot 6

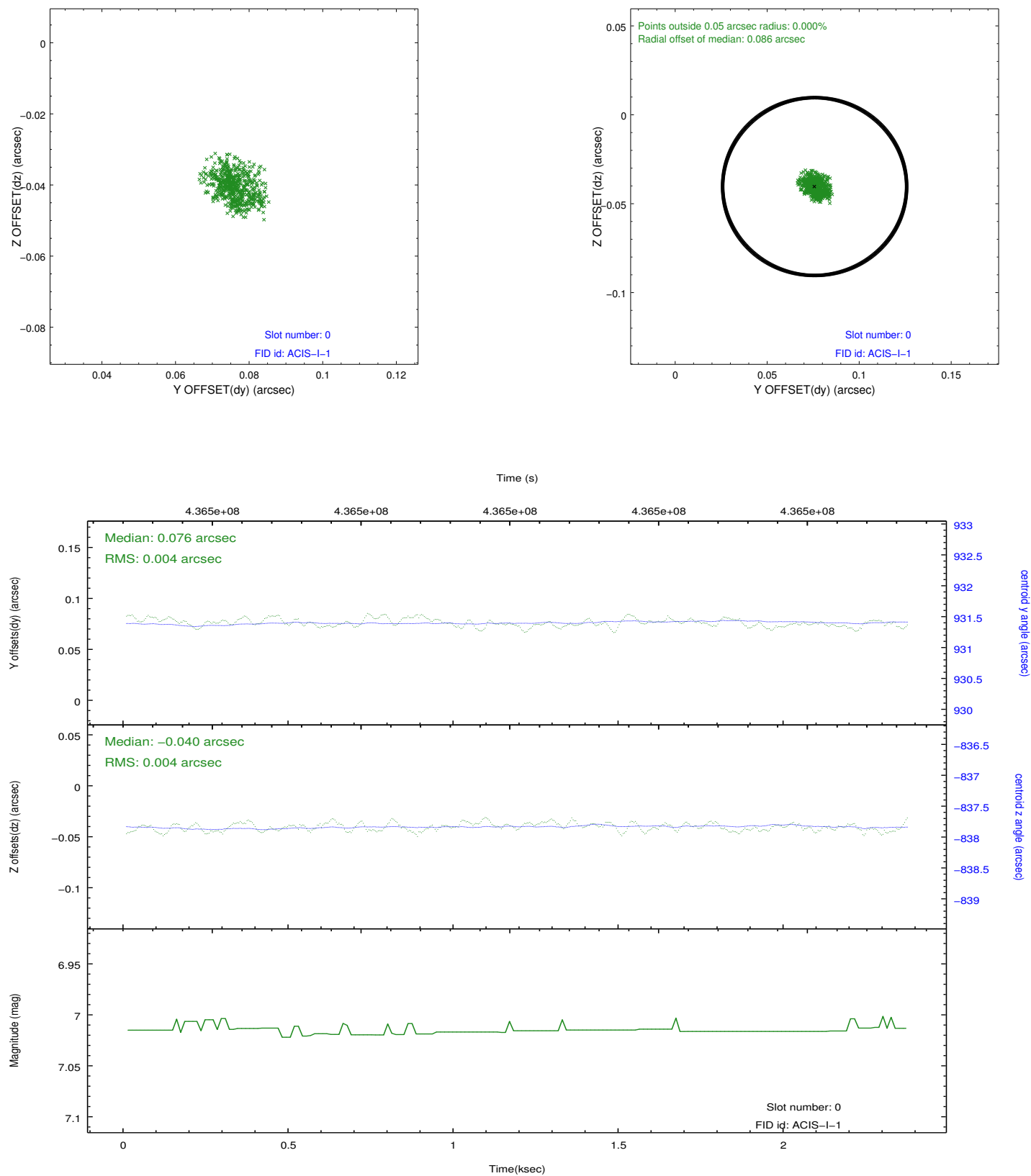


2.4.5 Slot 7

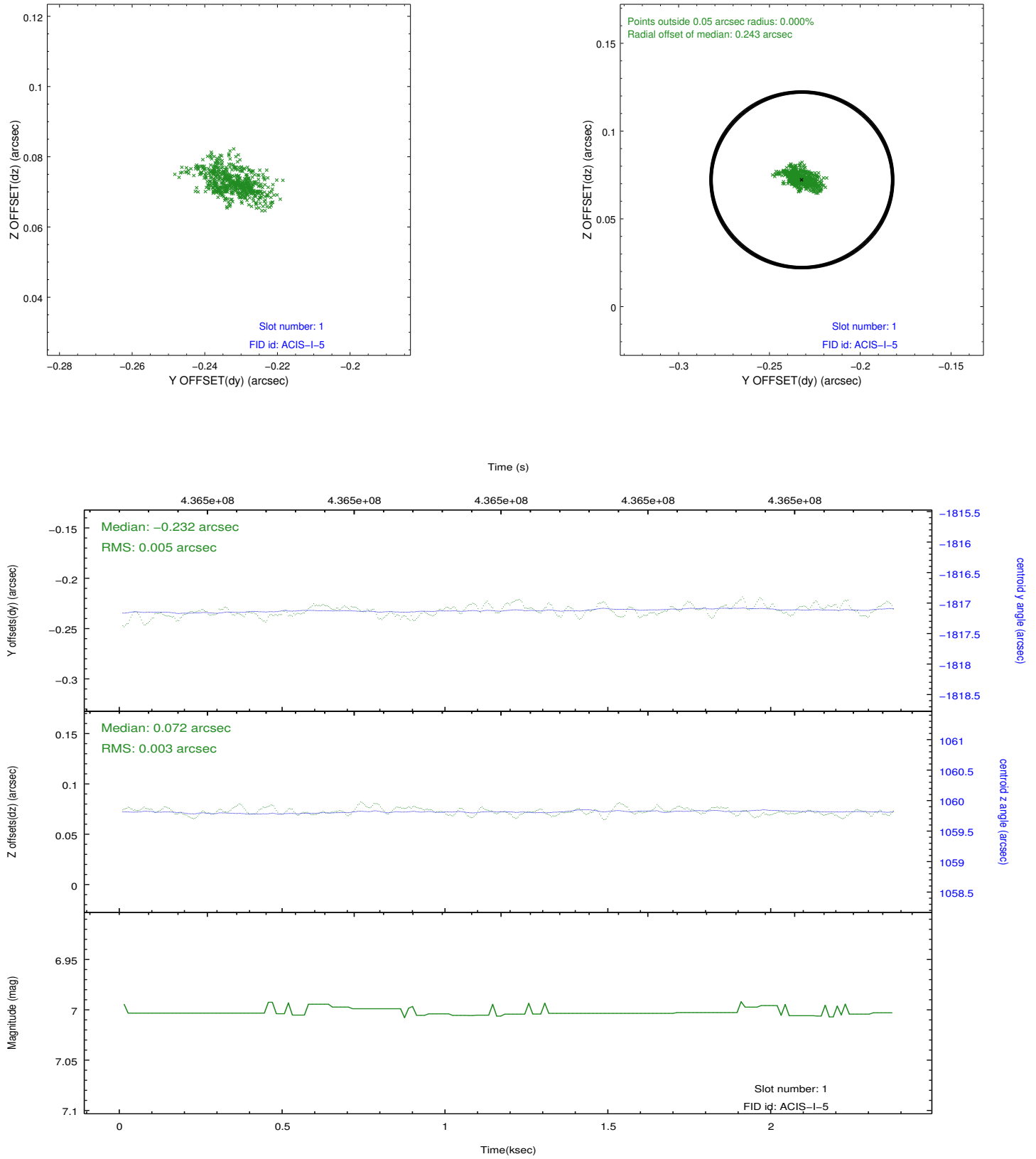


2.5 FID Slots

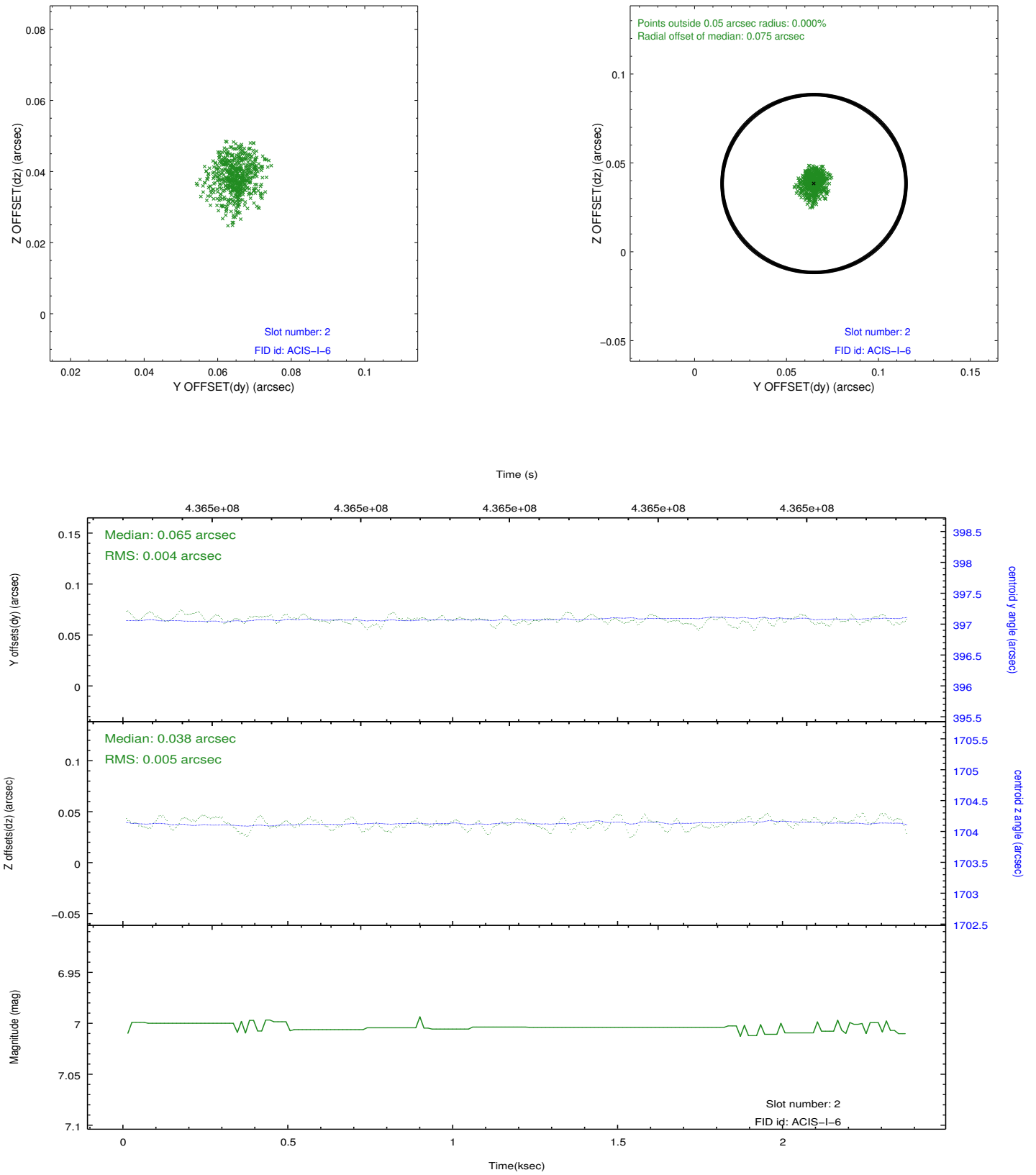
2.5.1 Slot 0



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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9716000151634

A.2 Comments

Joint Proposal: NOAO