

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13557 - L2 Version 2
Chandra X-Ray Center

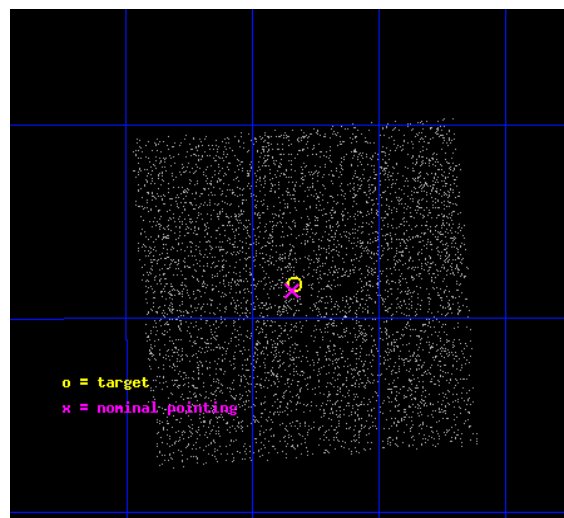
L2 Processing Date : Feb 26 2012

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

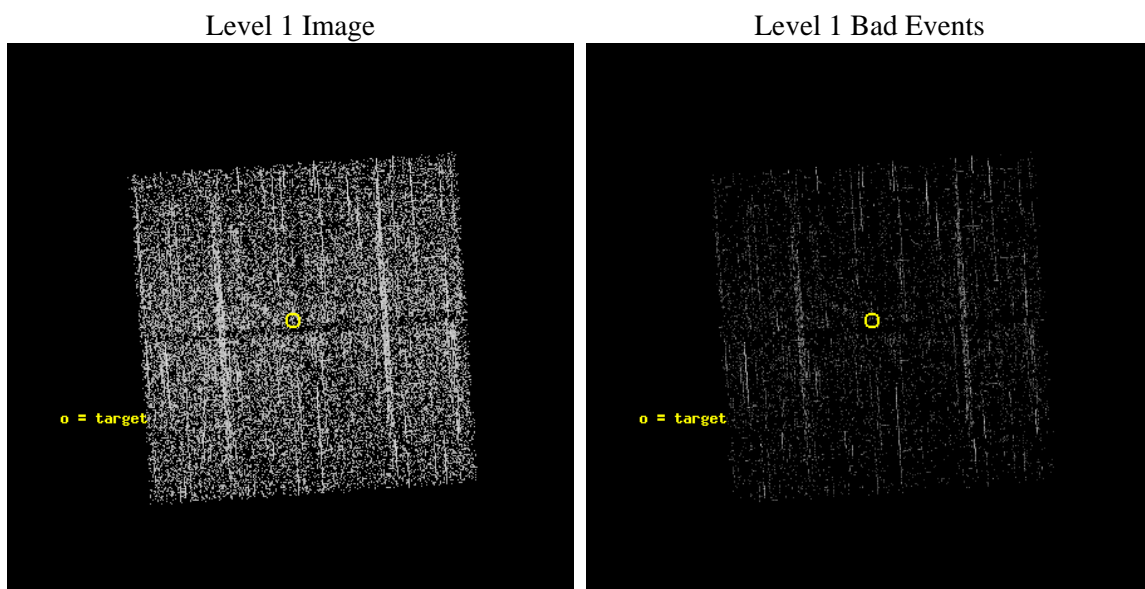
seq_num	401333	Sequence number
obs_id	13557	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.459242	Observer's specified target RA [deg]
dec_targ	-28.137379	Observer's specified target Dec [deg]
ra_nom	269.46135213249	Nominal RA [deg]
dec_nom	-28.142899710841	Nominal Dec [deg]
roll_nom	266.02776906147	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.5680978894	Sum of GTIs [s]
livetime	1947.7819777708	Livetime [s]
ontime0	1973.44497778795	Sum of GTIs [s]
ontime1	1973.4860178828	Sum of GTIs [s]
ontime2	1973.5270578861	Sum of GTIs [s]
ontime3	1973.5680978894	Sum of GTIs [s]
l2events	5608	Number of level 2 events



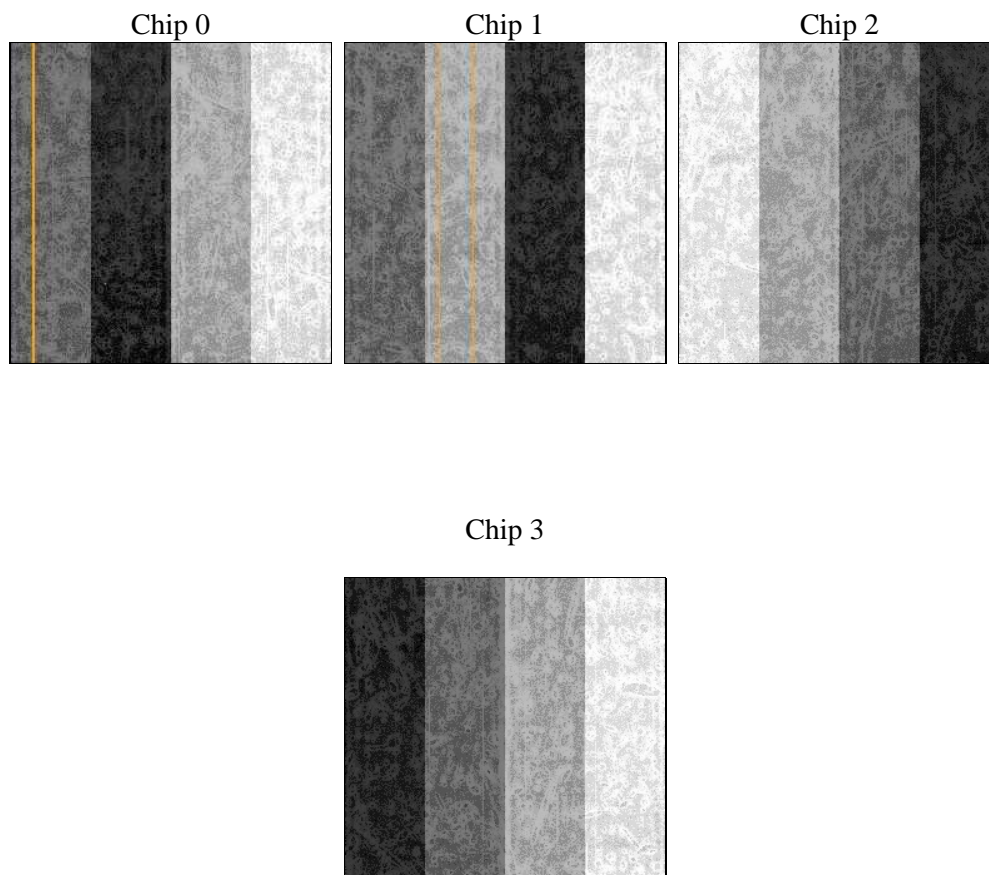
2 OBI

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	1973.5680978894	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.4449778795	Sum of GTIs [s]
date	2012-02-26T02:33:40	Date and time of file creation	ontime1	1973.4860178828	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.5270578861	Sum of GTIs [s]
			ontime3	1973.5680978894	Sum of GTIs [s]
			l1events	46244	Number of level 1 events

2.1.4 Events

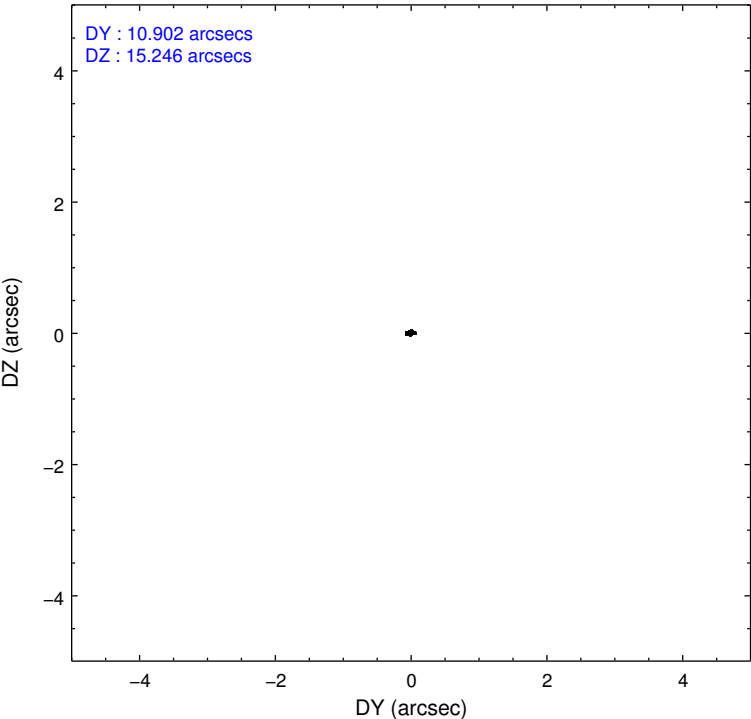
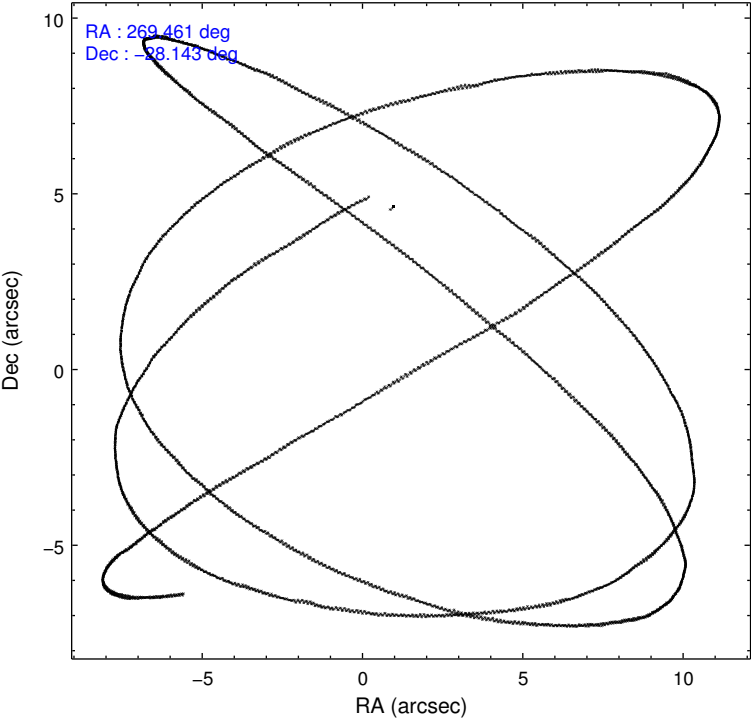
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10904	11770	12140	11430
rejected events	9242	9947	10497	9902
rejected %	84%	84%	86%	86%

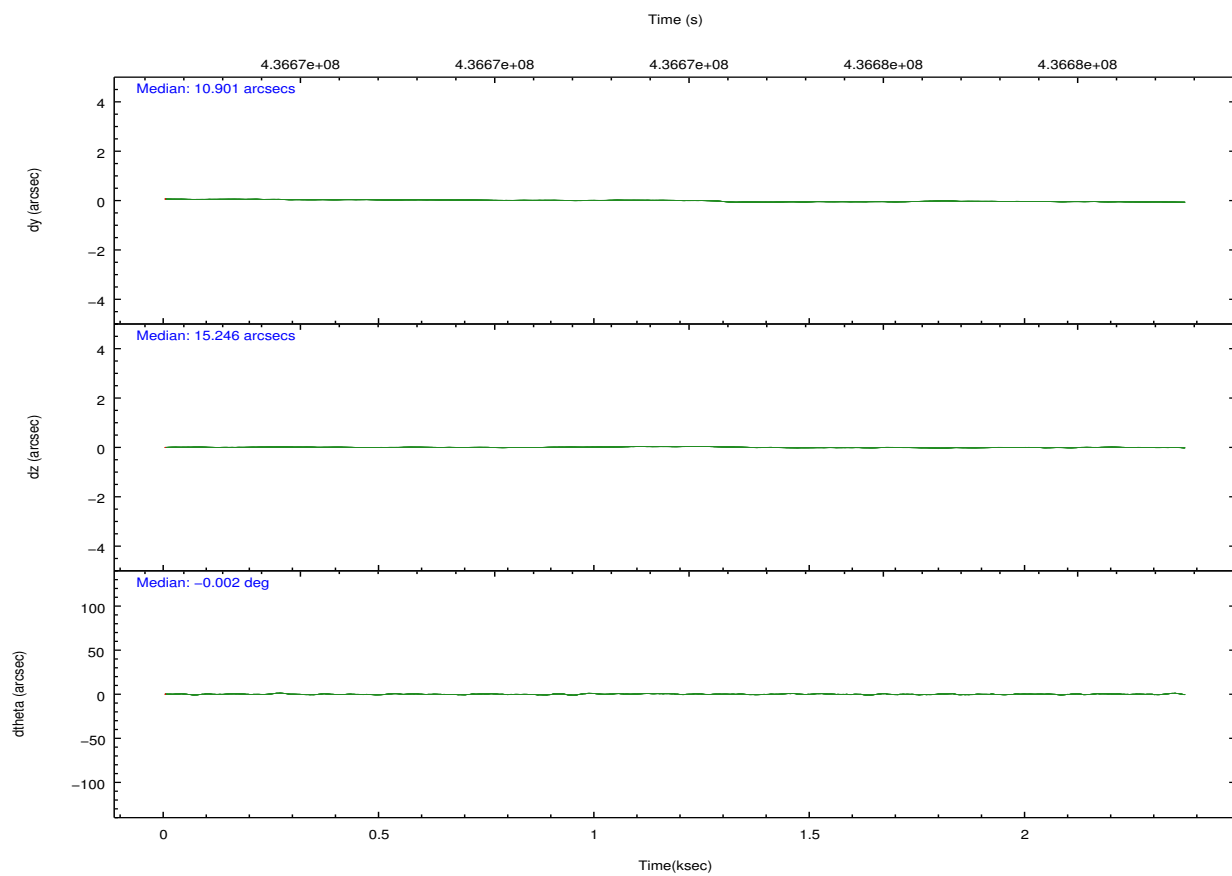
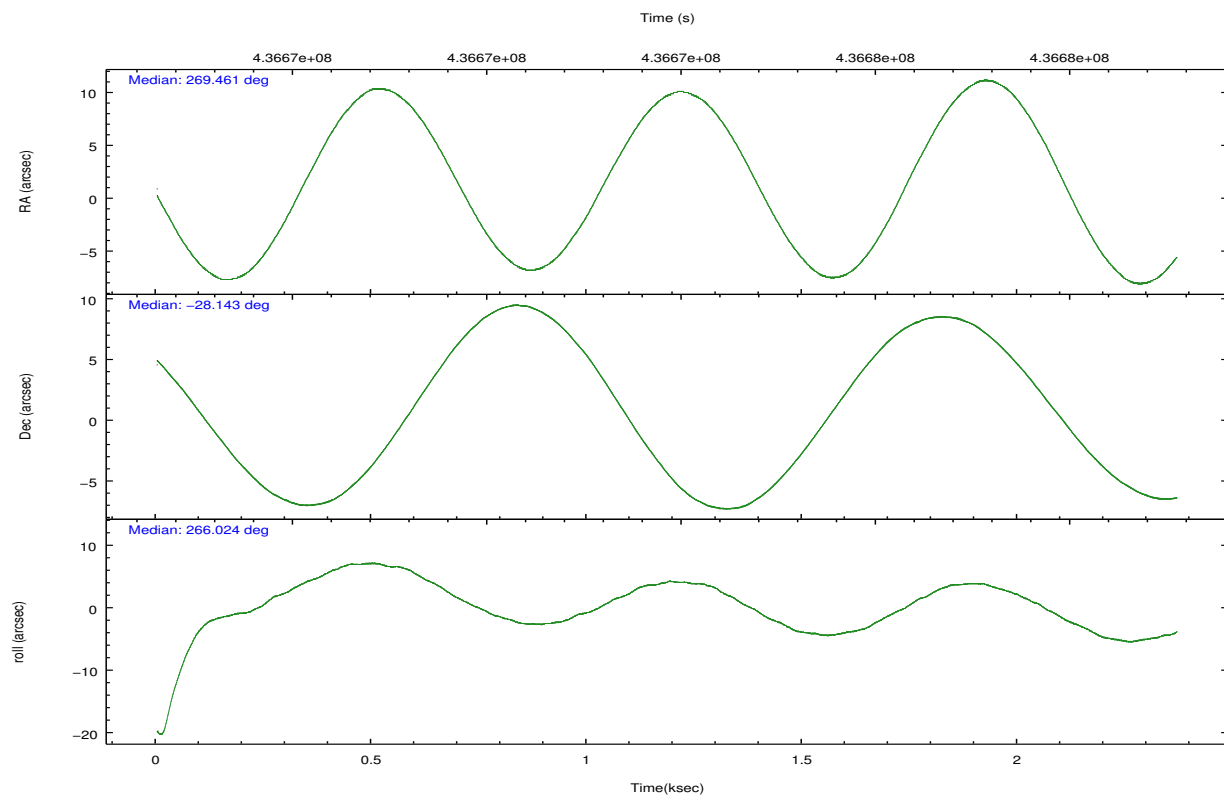
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	693	776	673	657
	6%	6%	5%	5%
grade 1 events	6	6	4	6
	0%	0%	0%	0%
grade 2 events	387	386	373	312
	3%	3%	3%	2%
grade 3 events	158	155	158	140
	1%	1%	1%	1%
grade 4 events	147	167	166	144
	1%	1%	1%	1%
grade 5 events	537	560	502	628
	4%	4%	4%	5%
grade 6 events	288	344	274	280
	2%	2%	2%	2%
grade 7 events	8688	9376	9990	9263
	79%	79%	82%	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	269.447760	269.4613521324868	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.118091	-28.14289971084055	Alternating exposures requested	N	N
[deg] Pointing Roll	265.812810	266.0277690614718	[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)	436673472.184000	436673096.66491			
Observation start date	2011-11-03T02:10:06	2011-11-03T02:04:56			
[s] Observation end time (MET)	436675652.184000	436675786.26505			
Observation end date	2011-11-03T02:46:26	2011-11-03T02:49:46			
Read mode	TIMED	TIMED			

2.3 Aspect



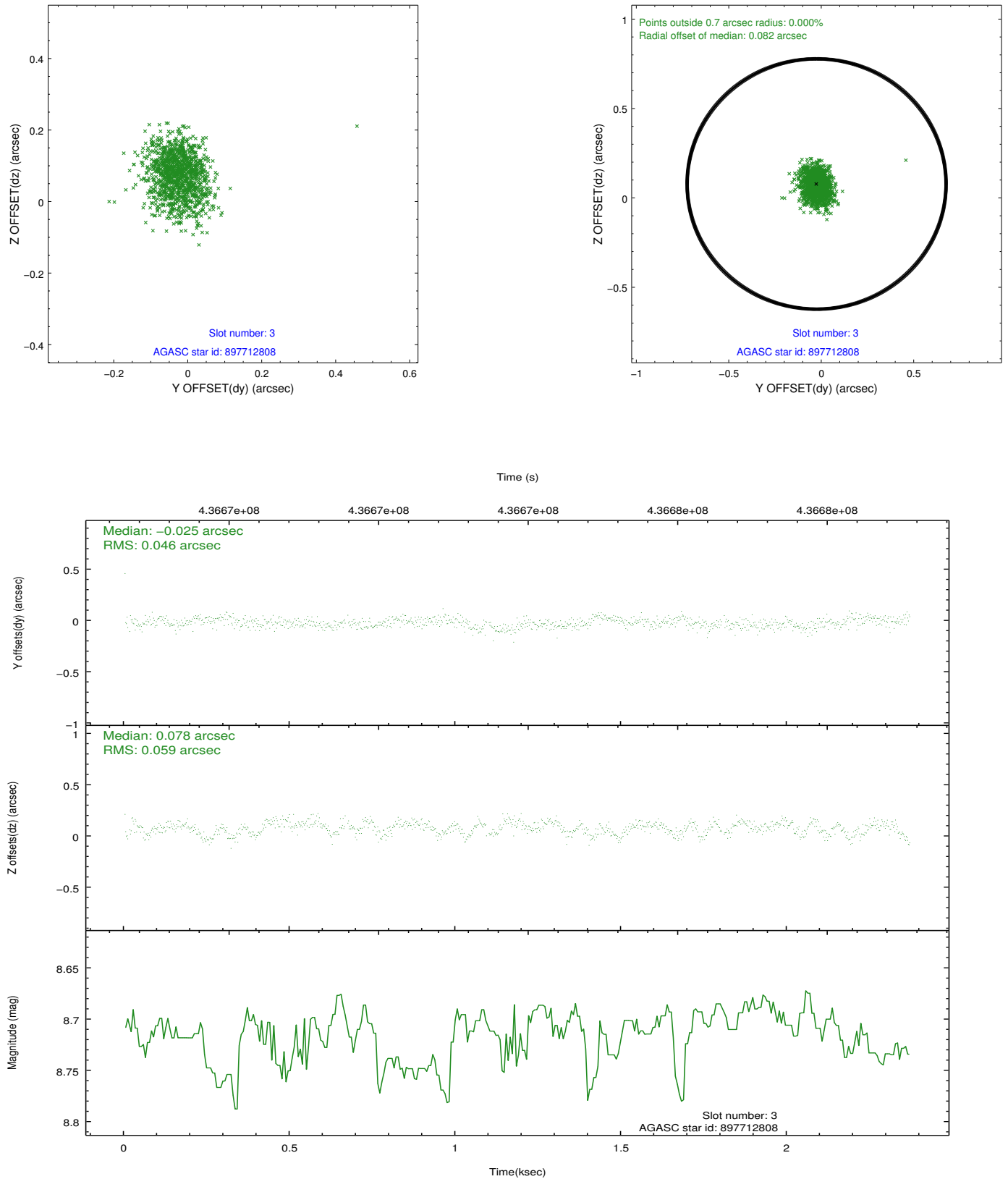


Slot Statistics

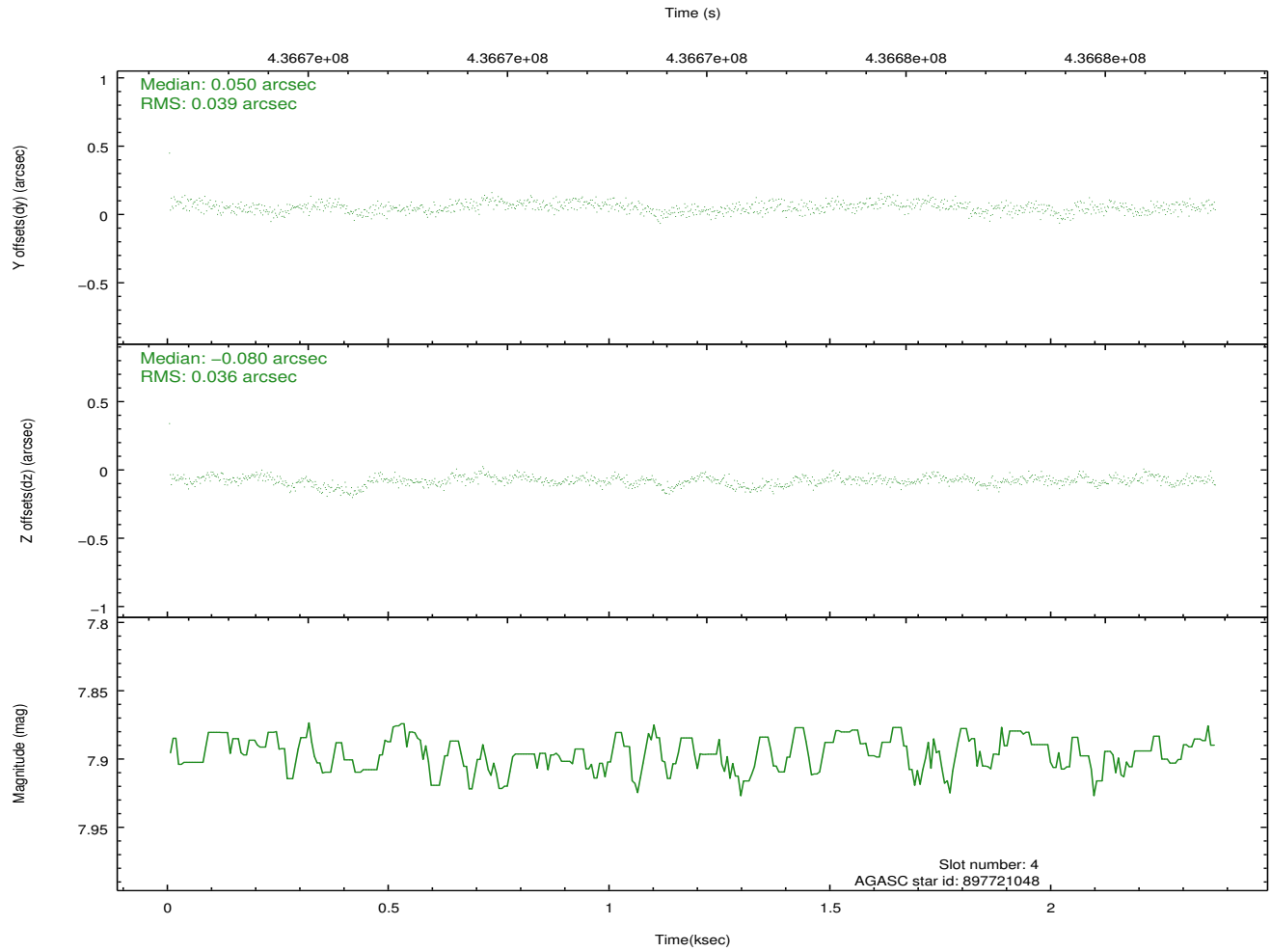
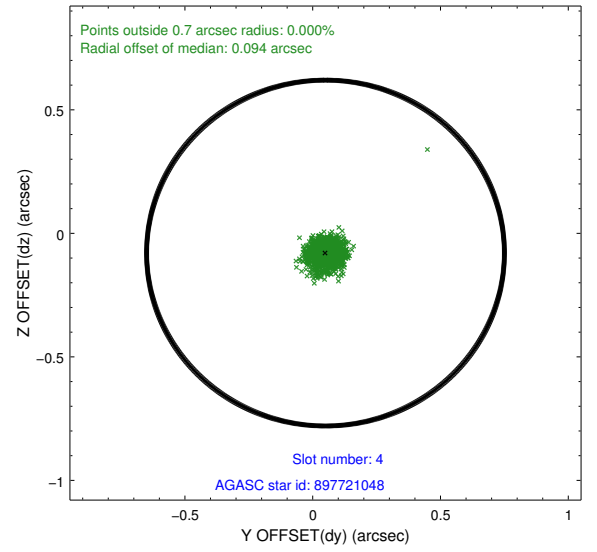
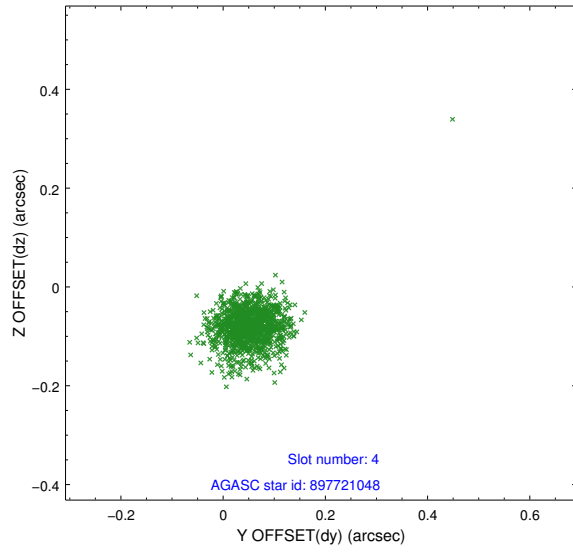
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	578	0.067	-0.058	0.006	0.010	0.000000	0.000000	928.75	-838.91
1	FID	ACIS-I-5	7.01	578	-0.225	0.060	0.005	0.009	0.000000	0.000000	-1818.14	1057.31
2	FID	ACIS-I-6	7.02	578	0.067	0.068	0.006	0.010	0.000000	0.000000	391.31	1704.93
3	GUIDE	897712808	8.71	1145	-0.025	0.078	0.077	0.127	268.777505	-27.542029	-1906.22	-2284.29
4	GUIDE	897721048	7.90	1156	0.050	-0.080	0.054	0.087	268.989561	-28.030814	-206.12	-1476.24
5	GUIDE	898252768	8.82	1156	0.139	0.128	0.086	0.130	269.910789	-28.705322	2004.04	1612.45
6	GUIDE	898258992	8.00	1156	0.064	-0.134	0.061	0.098	269.435214	-28.570389	1628.33	81.39
7	GUIDE	897720616	8.61	1154	-0.227	0.019	0.070	0.112	269.886360	-27.876425	-966.27	1329.41

2.4 Star Slots

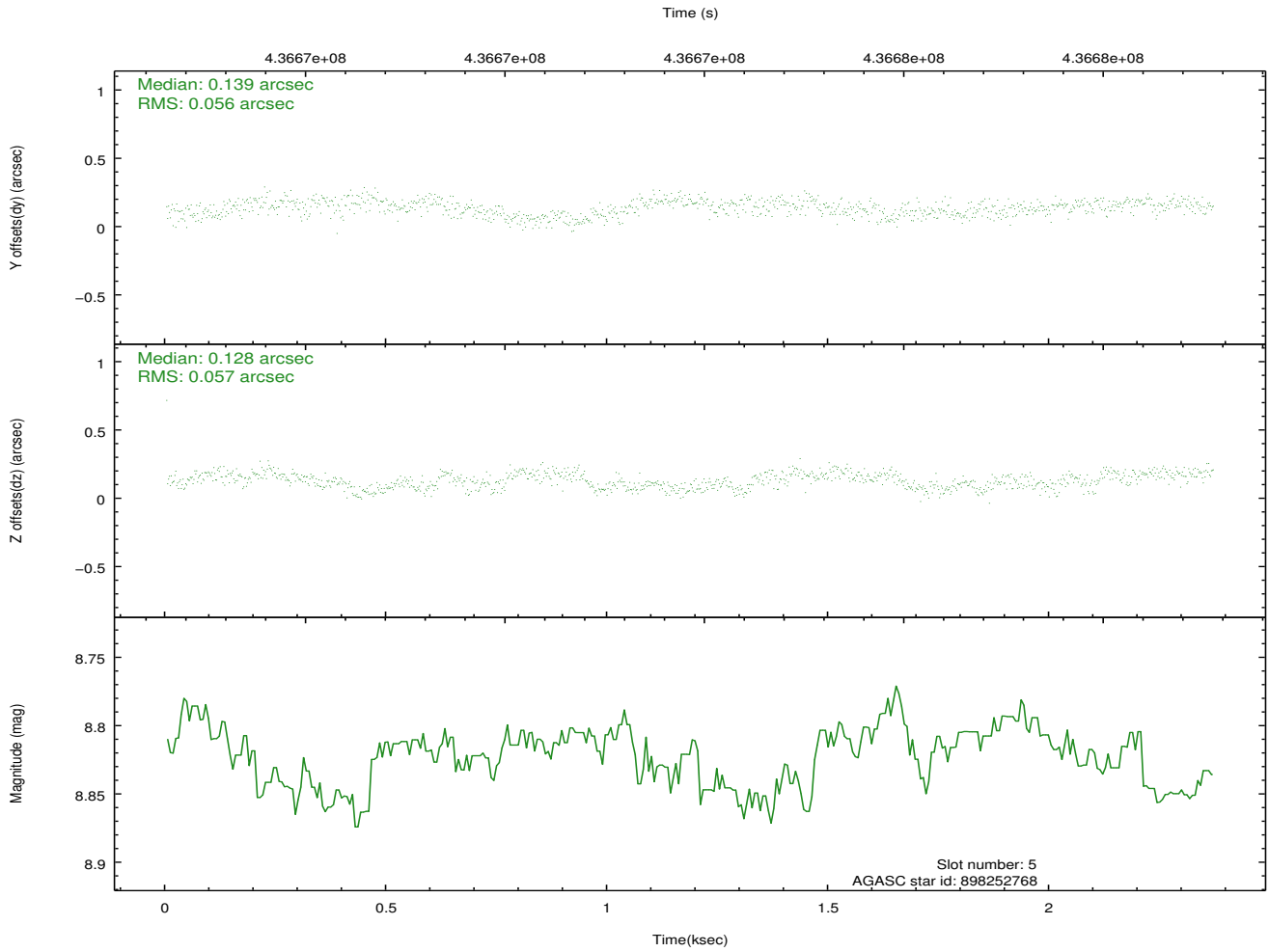
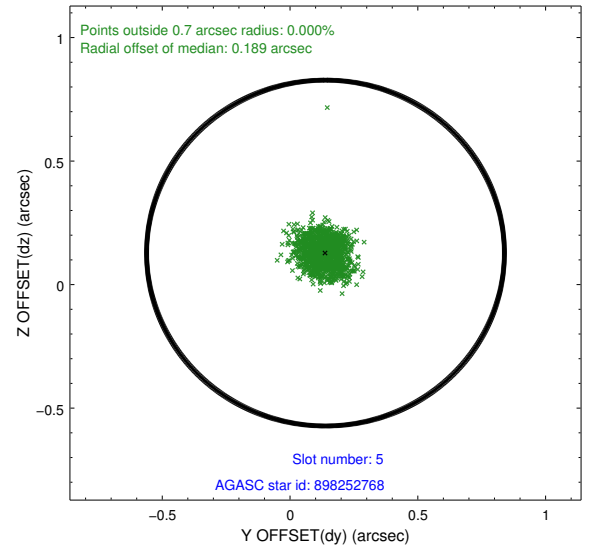
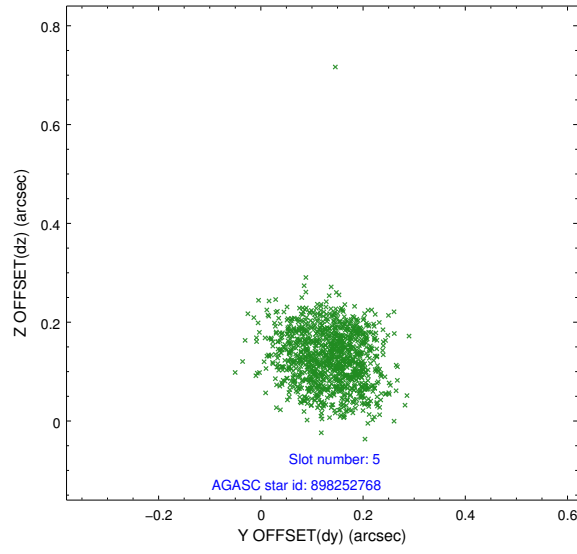
2.4.1 Slot 3



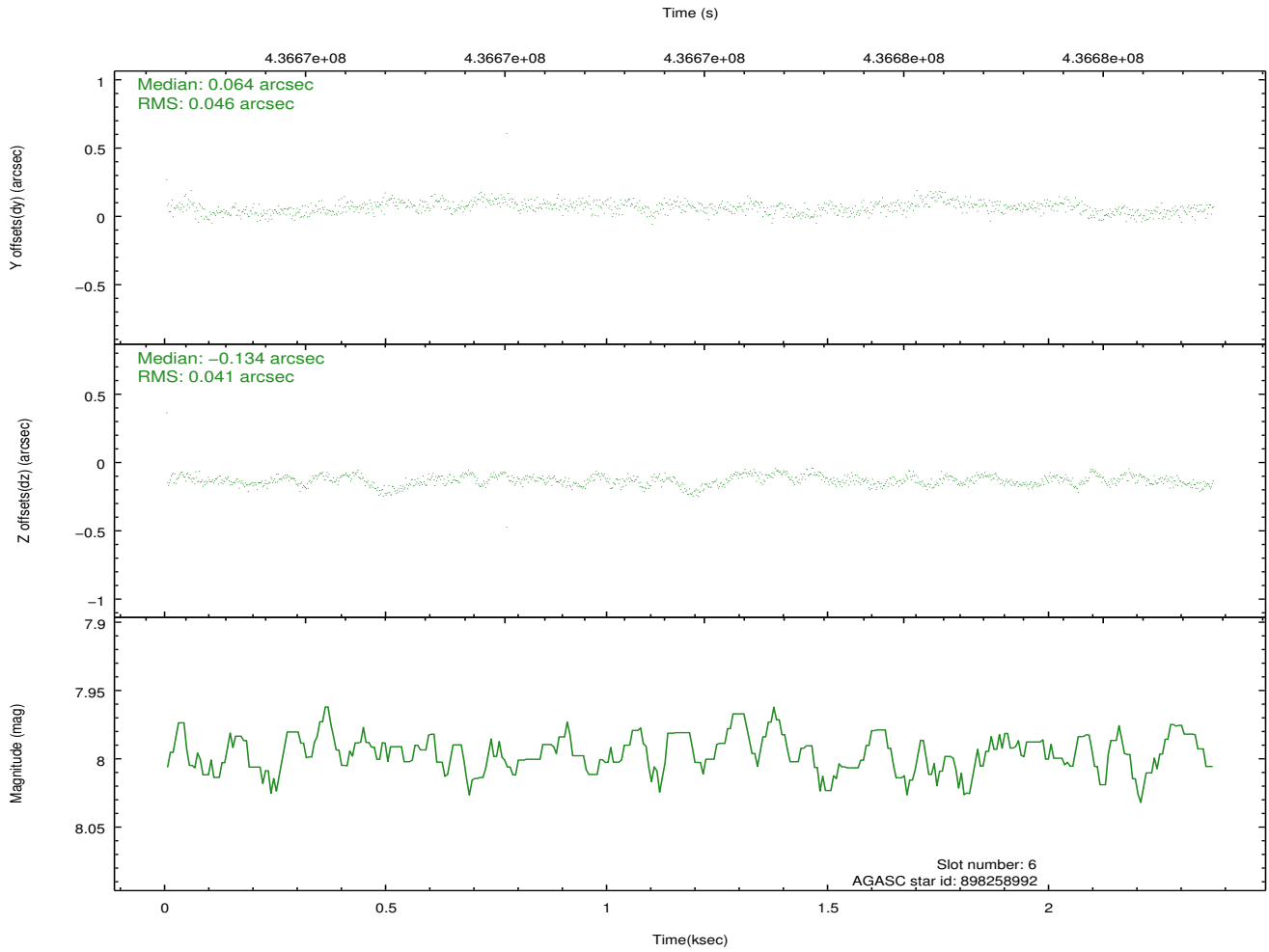
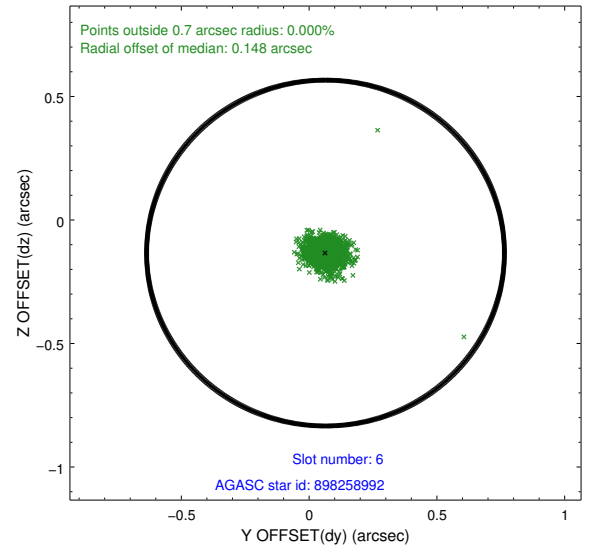
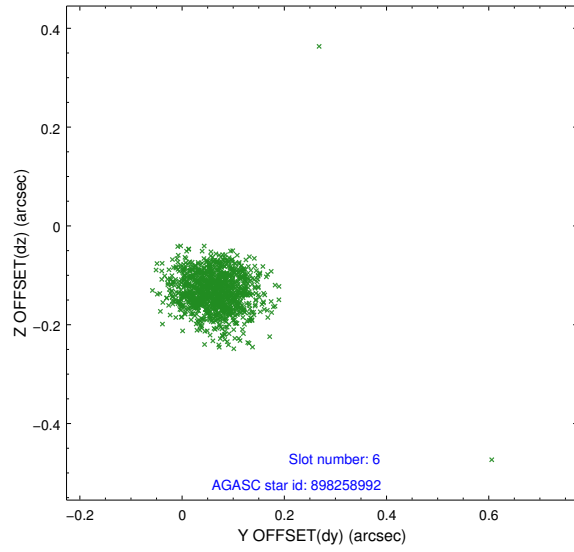
2.4.2 Slot 4



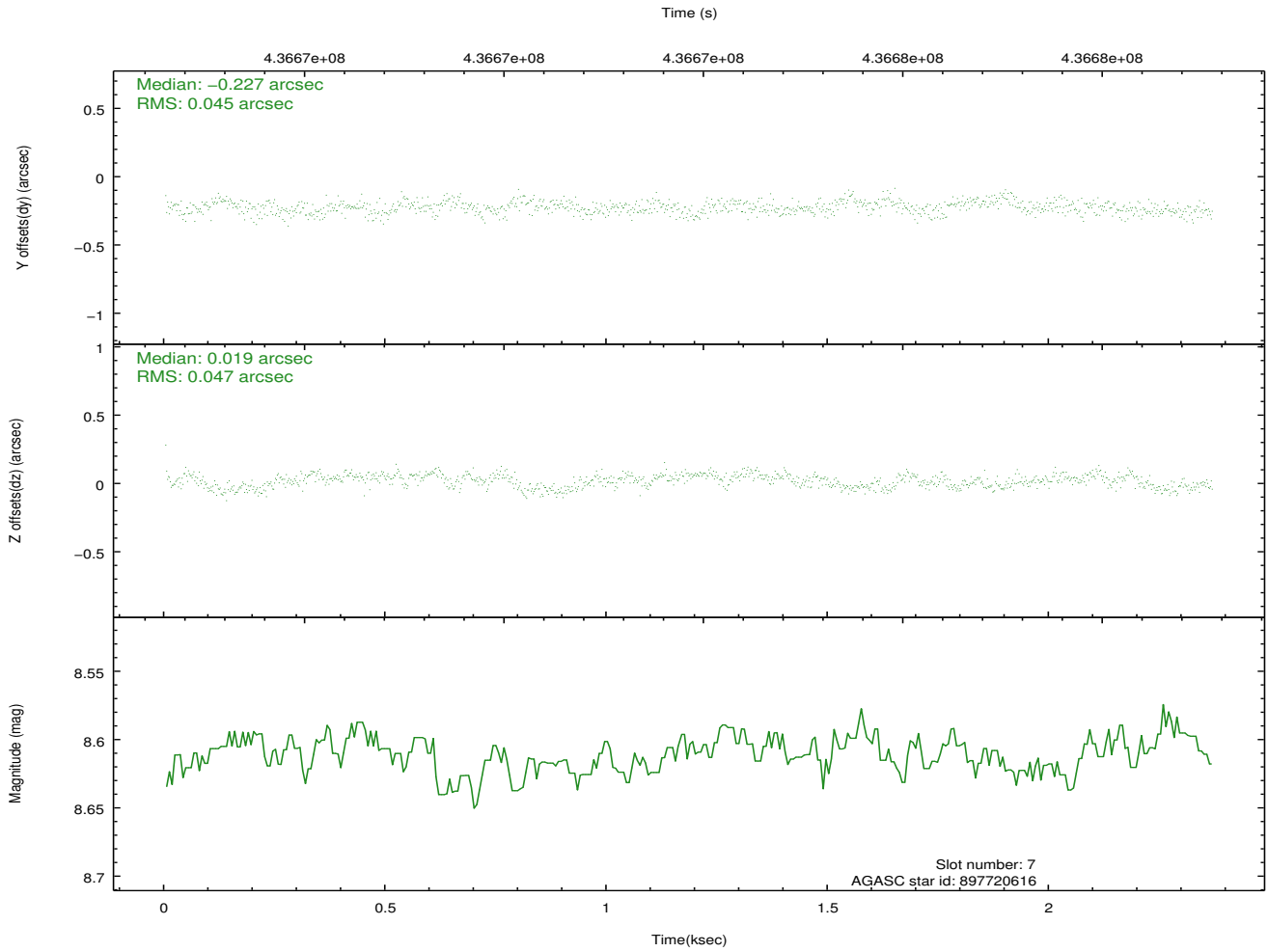
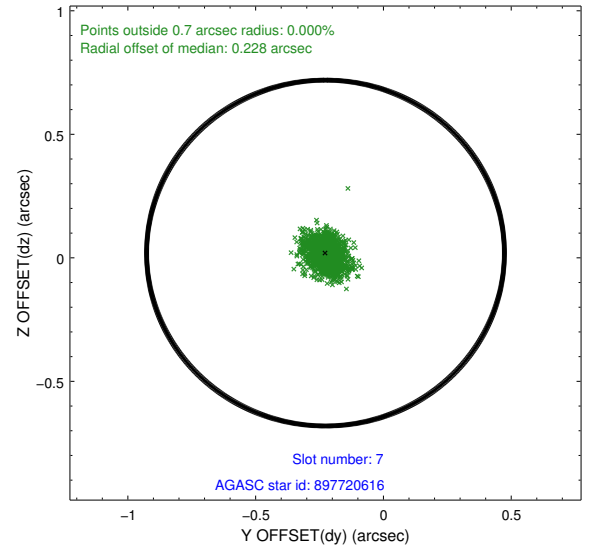
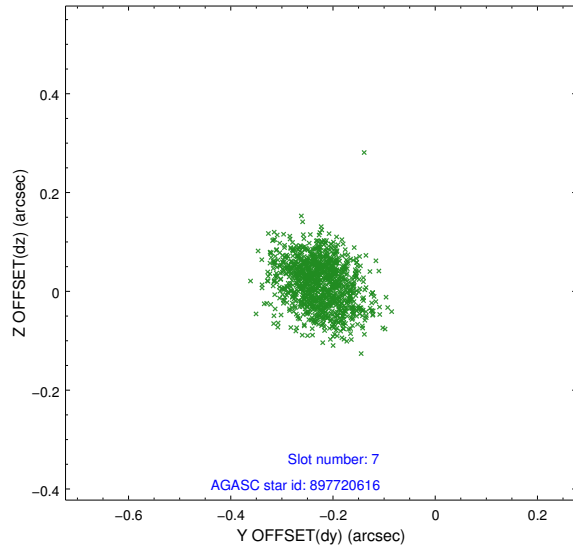
2.4.3 Slot 5



2.4.4 Slot 6

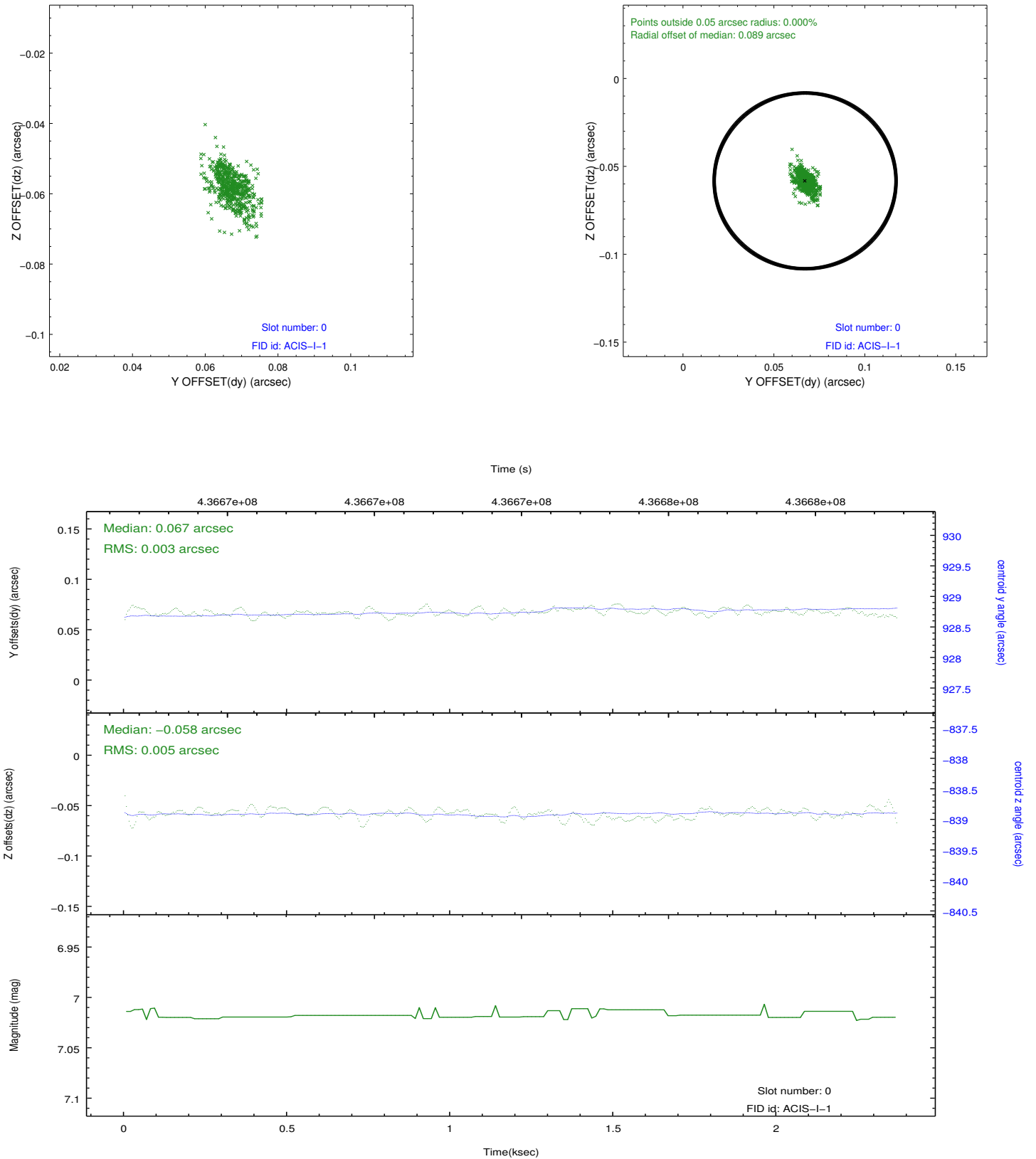


2.4.5 Slot 7

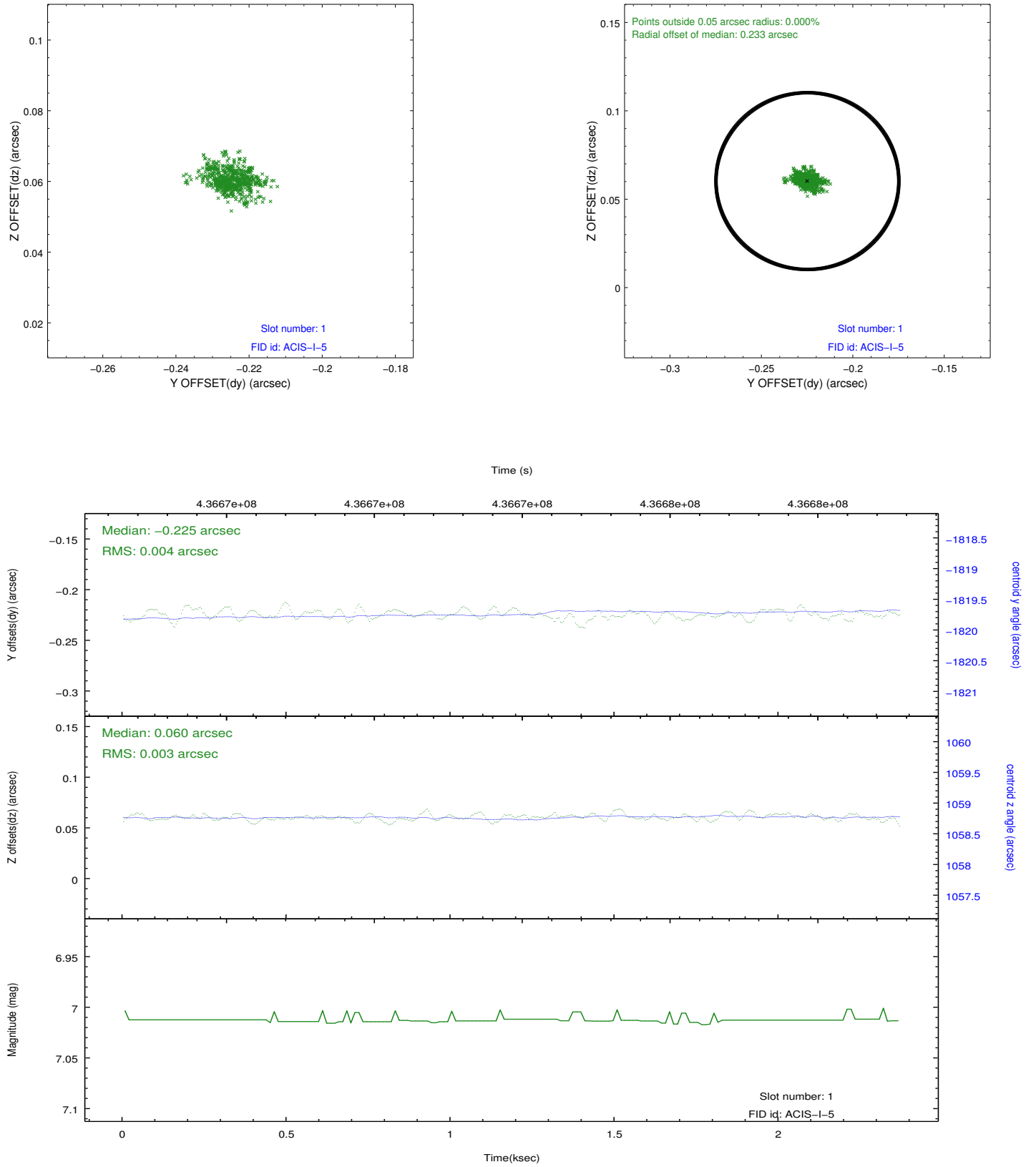


2.5 FID Slots

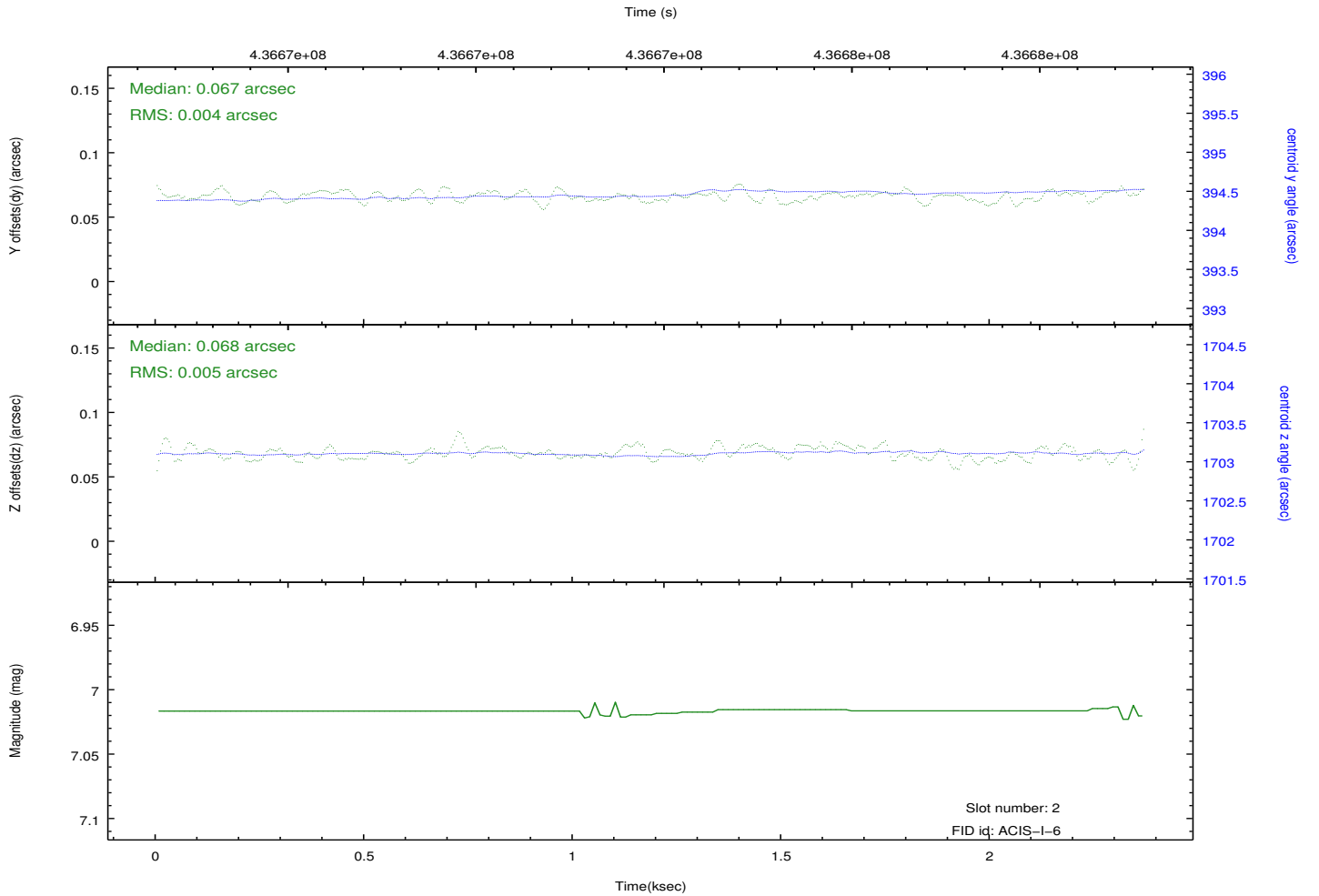
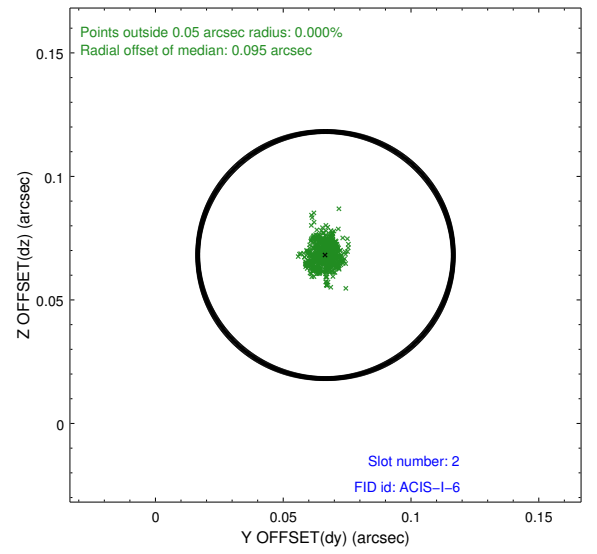
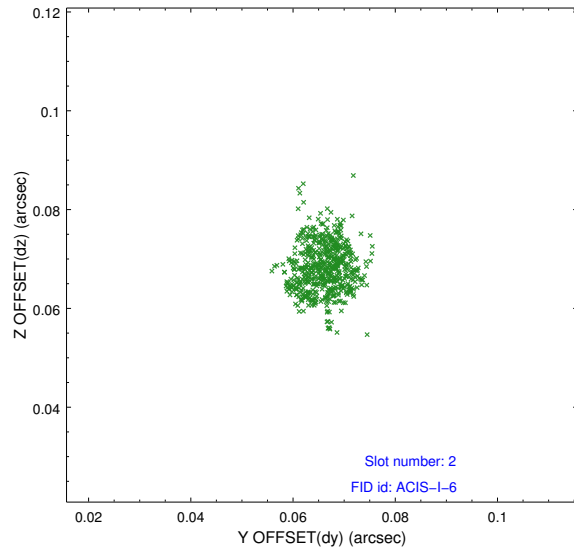
2.5.1 Slot 0



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	1.9735681012869

A.2 Comments

Joint proposal with NOAO.