

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13564 - L2 Version 2
Chandra X-Ray Center

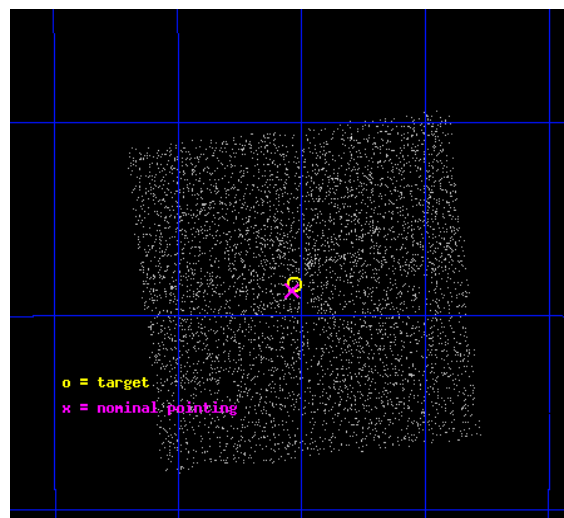
L2 Processing Date : Feb 25 2012

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

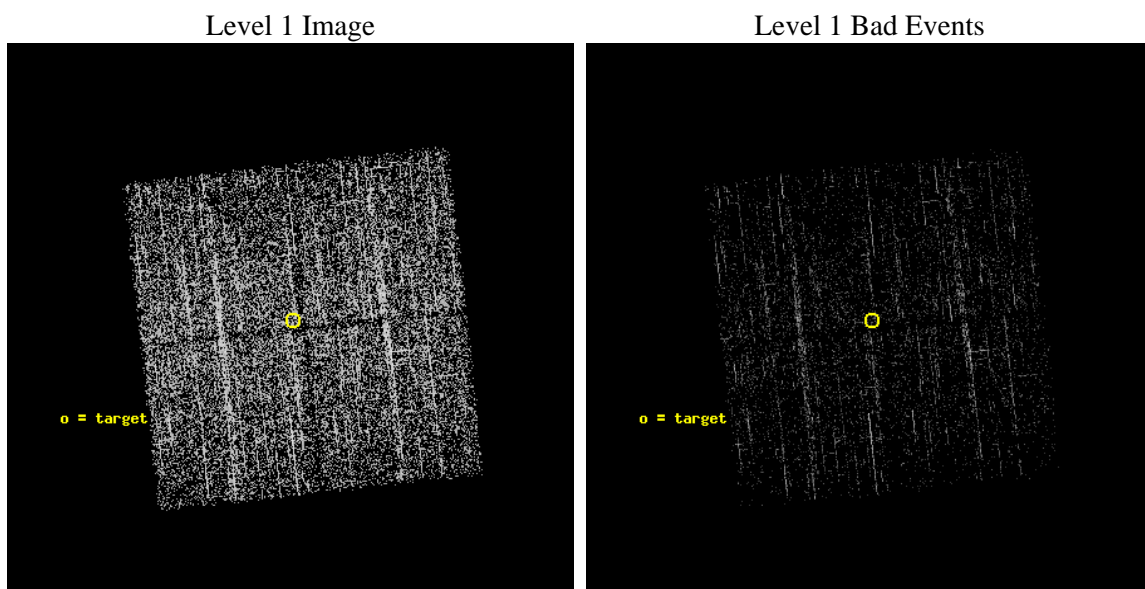
seq_num	401340	Sequence number
obs_id	13564	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.008041	Observer's specified target RA [deg]
dec_targ	-30.30599	Observer's specified target Dec [deg]
ra_nom	268.01015267052	Nominal RA [deg]
dec_nom	-30.311701794468	Nominal Dec [deg]
roll_nom	263.71359951639	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	5816	Number of level 2 events



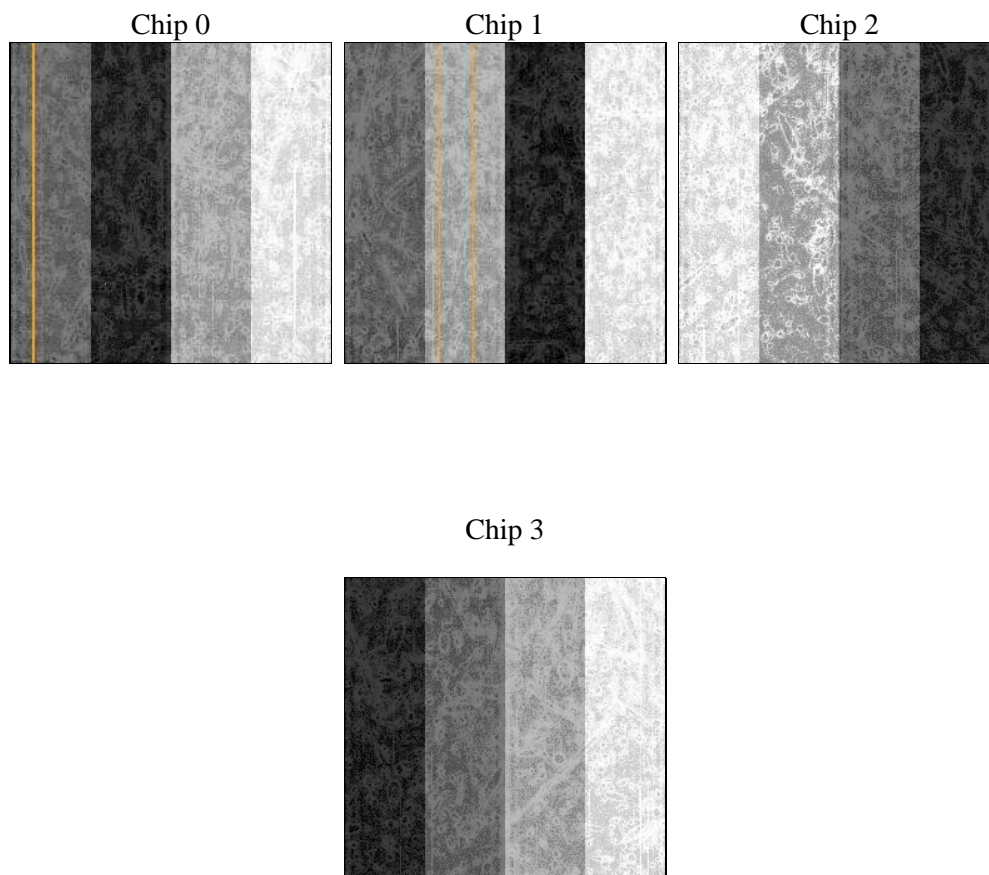
2 OBI

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	2012-02-26T01:05:32	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	46482	Number of level 1 events

2.1.4 Events

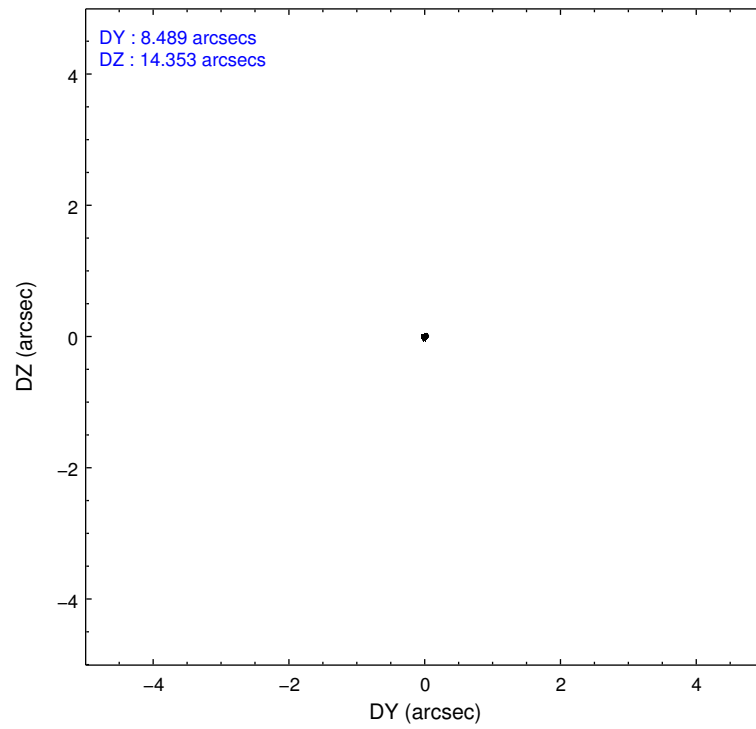
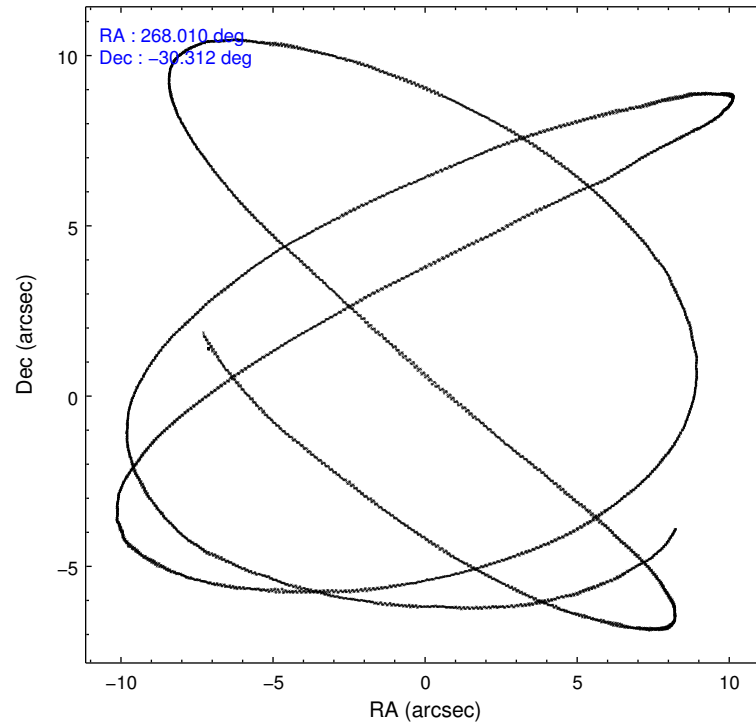
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10470	11714	12099	12199
rejected events	8849	9738	10508	10534
rejected %	84%	83%	86%	86%

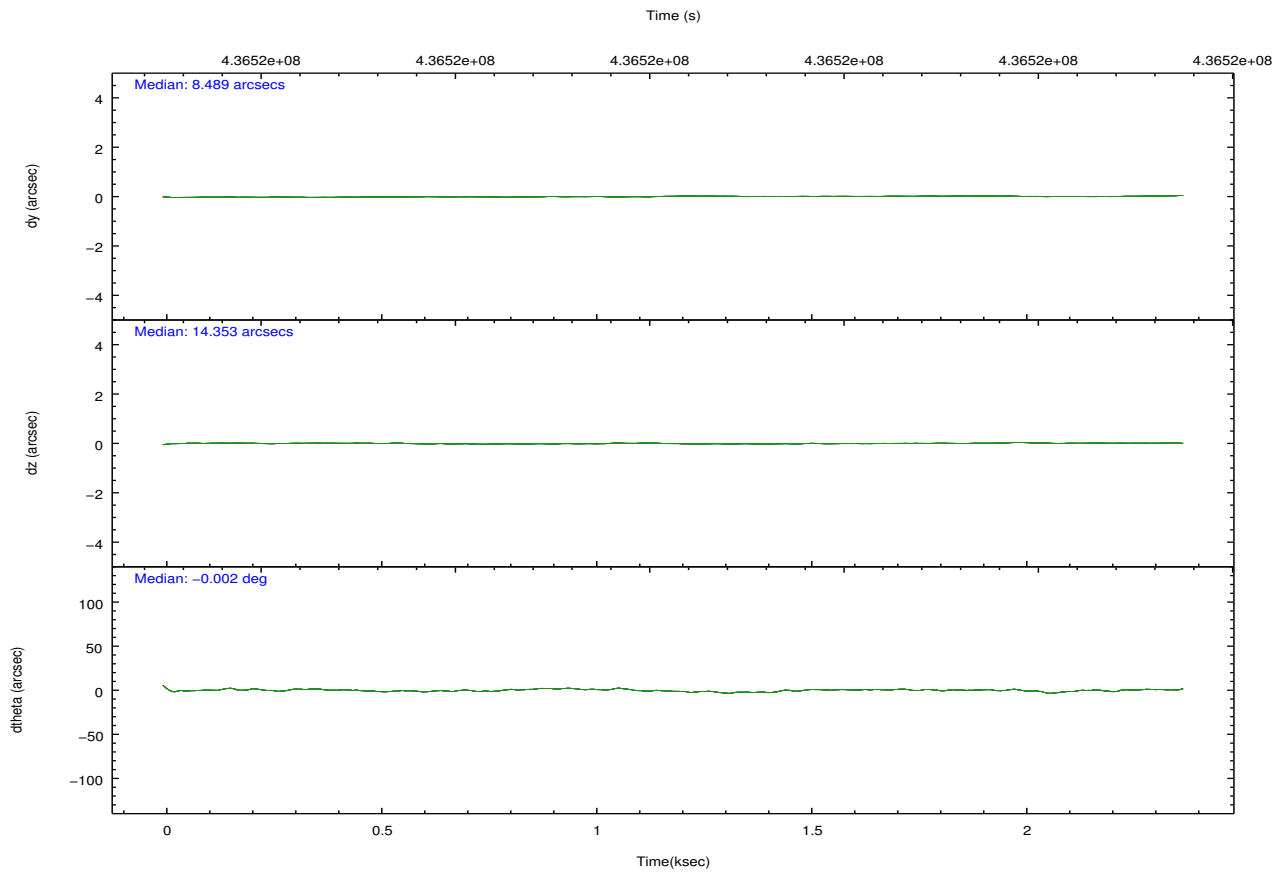
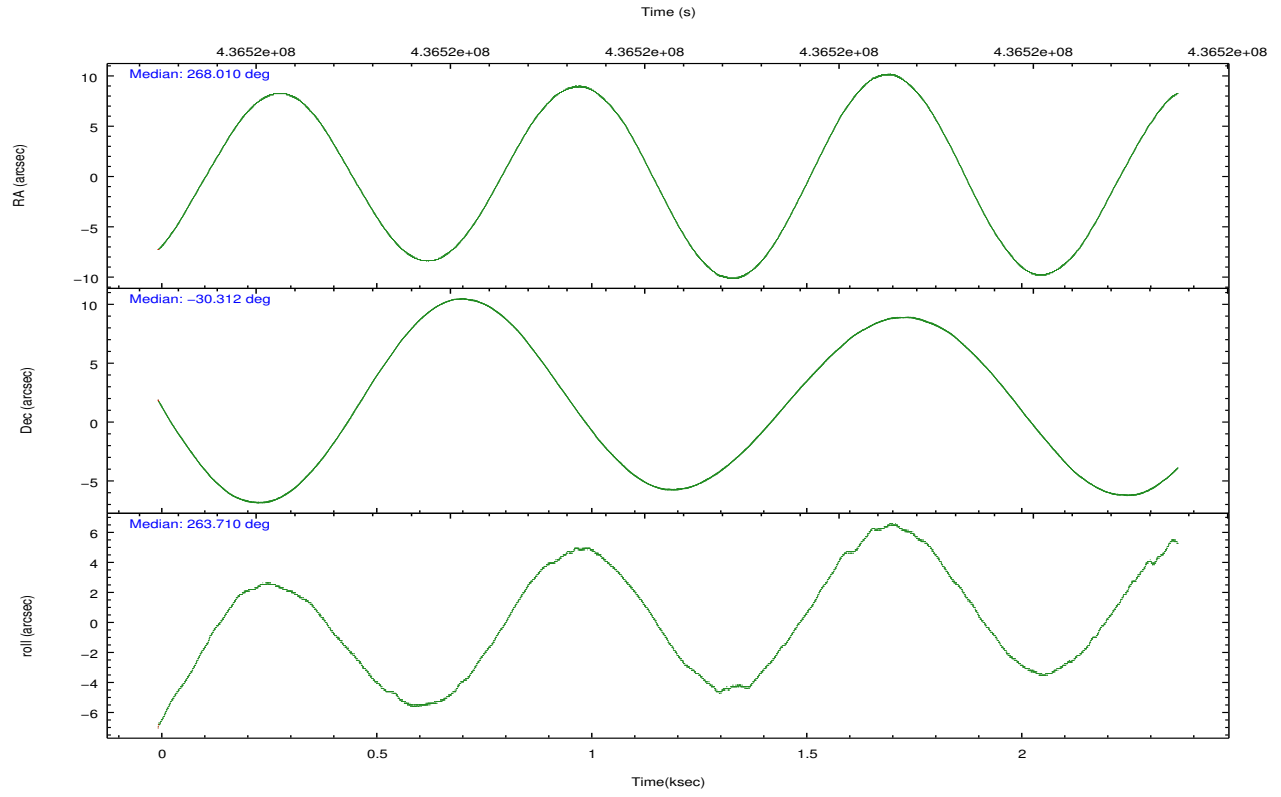
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	677	887	695	759
	6%	7%	5%	6%
grade 1 events	7	8	10	13
	0%	0%	0%	0%
grade 2 events	353	411	351	295
	3%	3%	2%	2%
grade 3 events	151	164	127	167
	1%	1%	1%	1%
grade 4 events	141	166	156	175
	1%	1%	1%	1%
grade 5 events	476	574	496	649
	4%	4%	4%	5%
grade 6 events	303	358	269	272
	2%	3%	2%	2%
grade 7 events	8362	9146	9995	9869
	79%	78%	82%	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	267.997237	268.010152670524	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.286302	-30.31170179446774	Alternating exposures requested	N	N
[deg] Pointing Roll	263.498402	263.7135995163947	[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)	436521559.184000	436521182.43192			
Observation start date	2011-11-01T07:58:13	2011-11-01T07:53:02			
[s] Observation end time (MET)	436523739.184000	436523873.05706			
Observation end date	2011-11-01T08:34:33	2011-11-01T08:37:53			
Read mode	TIMED	TIMED			

2.3 Aspect



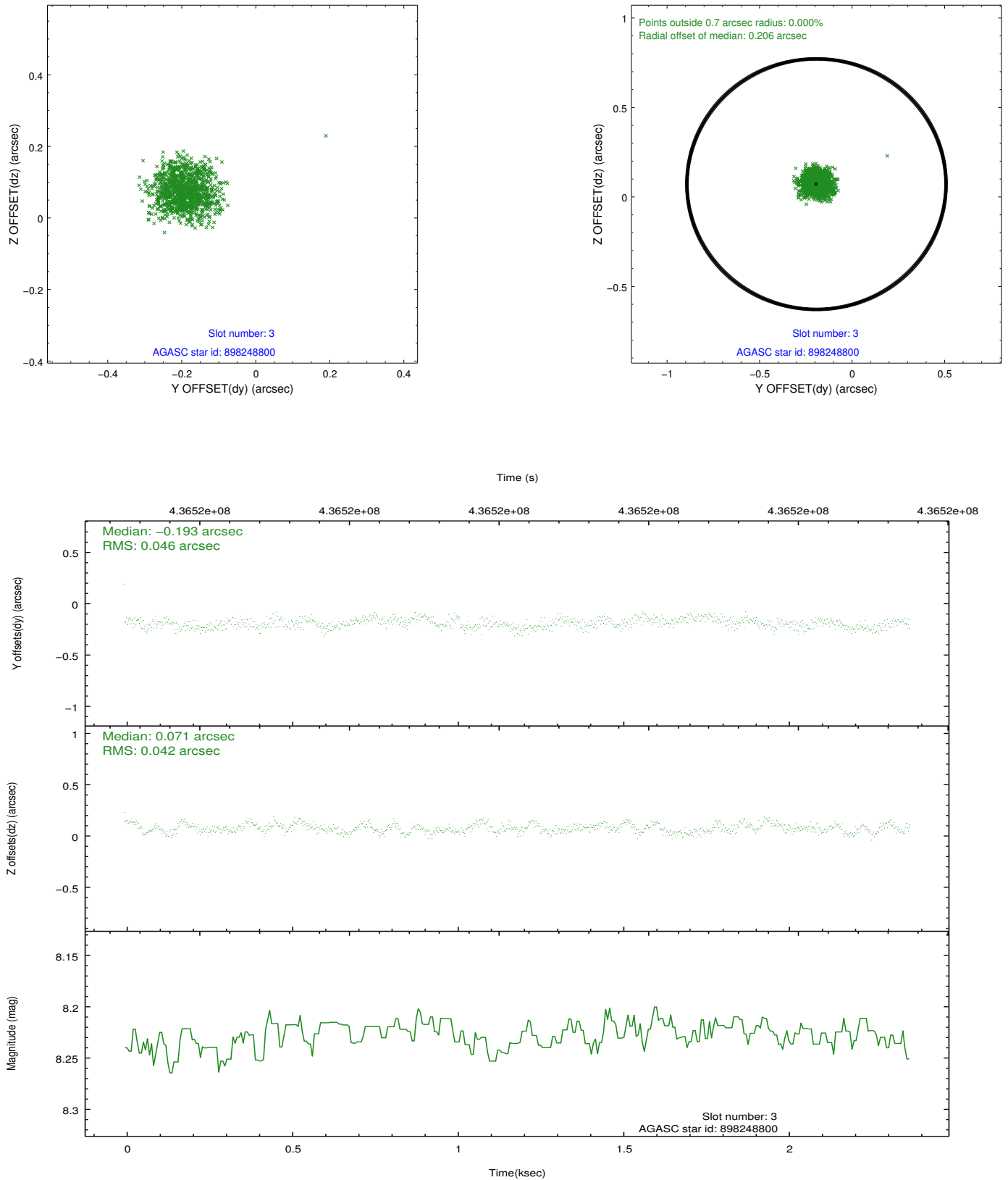


Slot Statistics

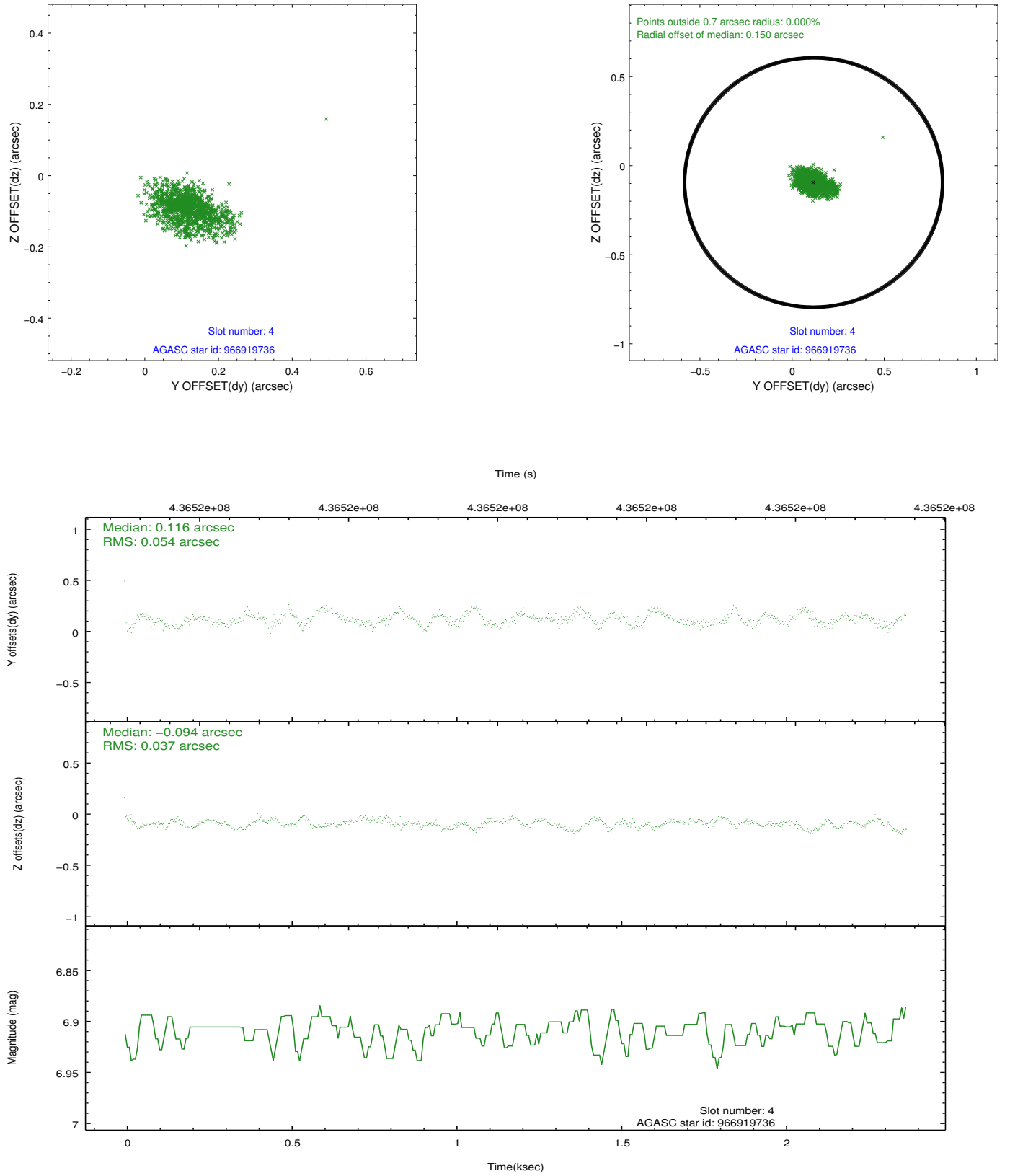
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	579	-0.094	-0.129	0.014	0.023	0.000000	0.000000	-763.12	-844.42
1	FID	ACIS-I-4	6.95	579	0.253	0.091	0.007	0.012	0.000000	0.000000	2150.05	1060.56
2	FID	ACIS-I-5	7.00	579	-0.261	0.107	0.012	0.020	0.000000	0.000000	-1813.58	1061.58
3	GUIDE	898248800	8.23	1158	-0.193	0.071	0.067	0.102	267.977609	-29.931731	-1261.97	-205.23
4	GUIDE	966919736	6.91	1158	0.116	-0.094	0.067	0.115	267.322278	-30.597445	1355.04	-1949.85
5	GUIDE	966925384	8.16	1158	0.145	0.032	0.071	0.125	267.457106	-30.882477	2326.30	-1416.04
6	GUIDE	967053960	9.23	1156	0.130	-0.111	0.103	0.166	268.185736	-30.091336	-761.72	502.71
7	GUIDE	898250872	7.07	1157	-0.195	0.098	0.043	0.069	268.026303	-29.632040	-2351.81	-175.78

2.4 Star Slots

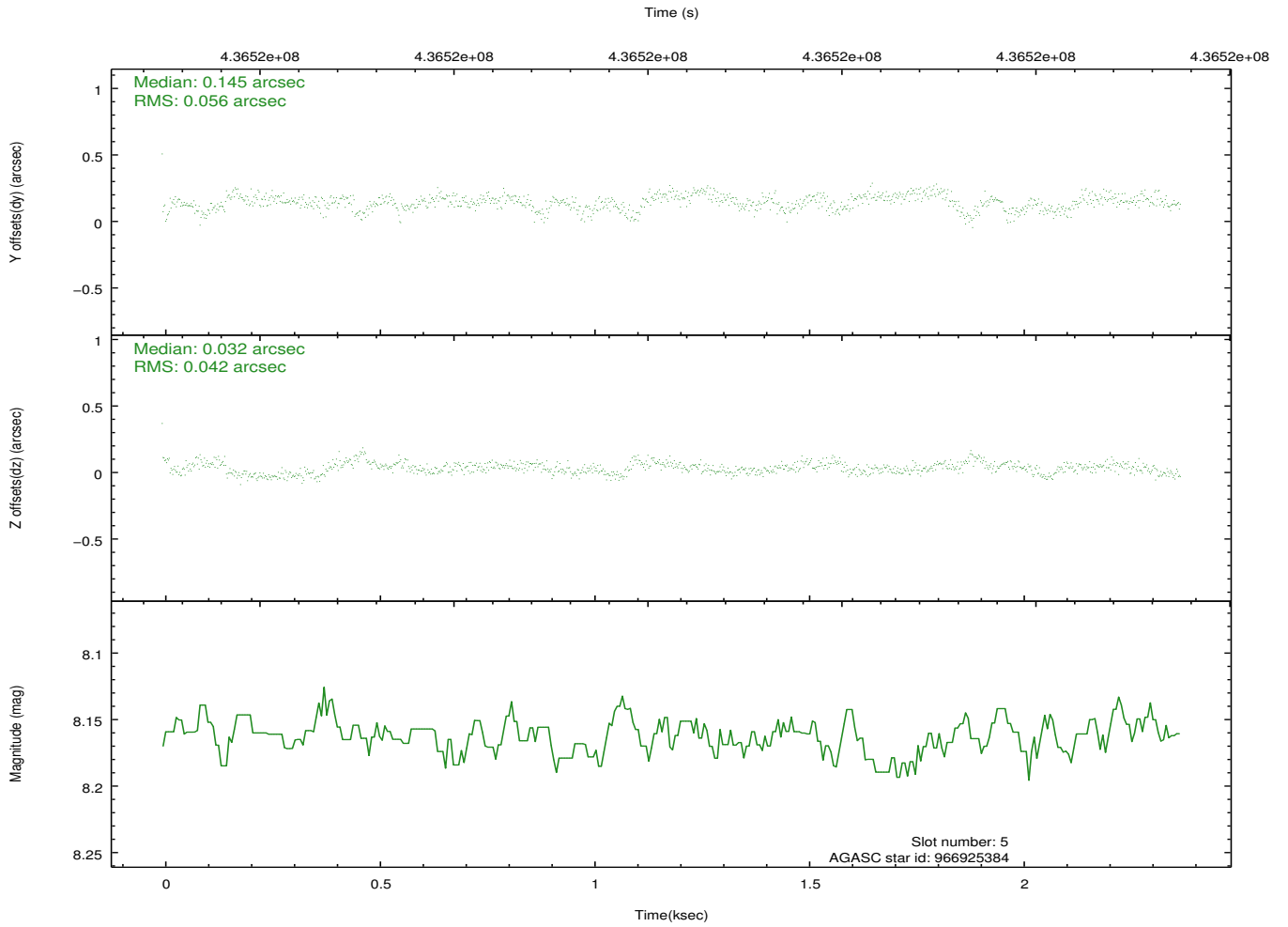
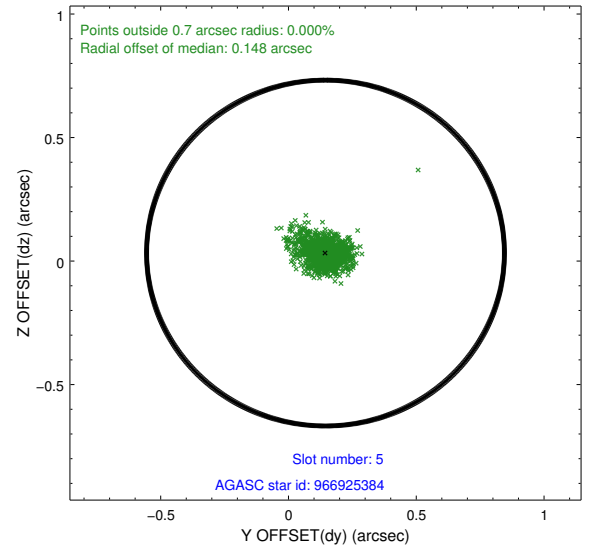
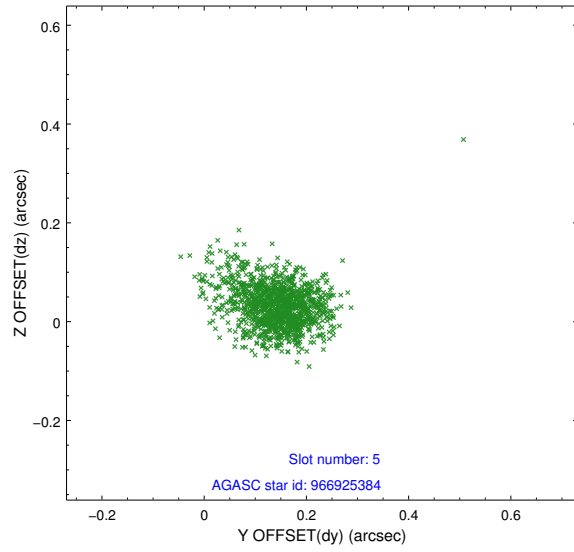
2.4.1 Slot 3



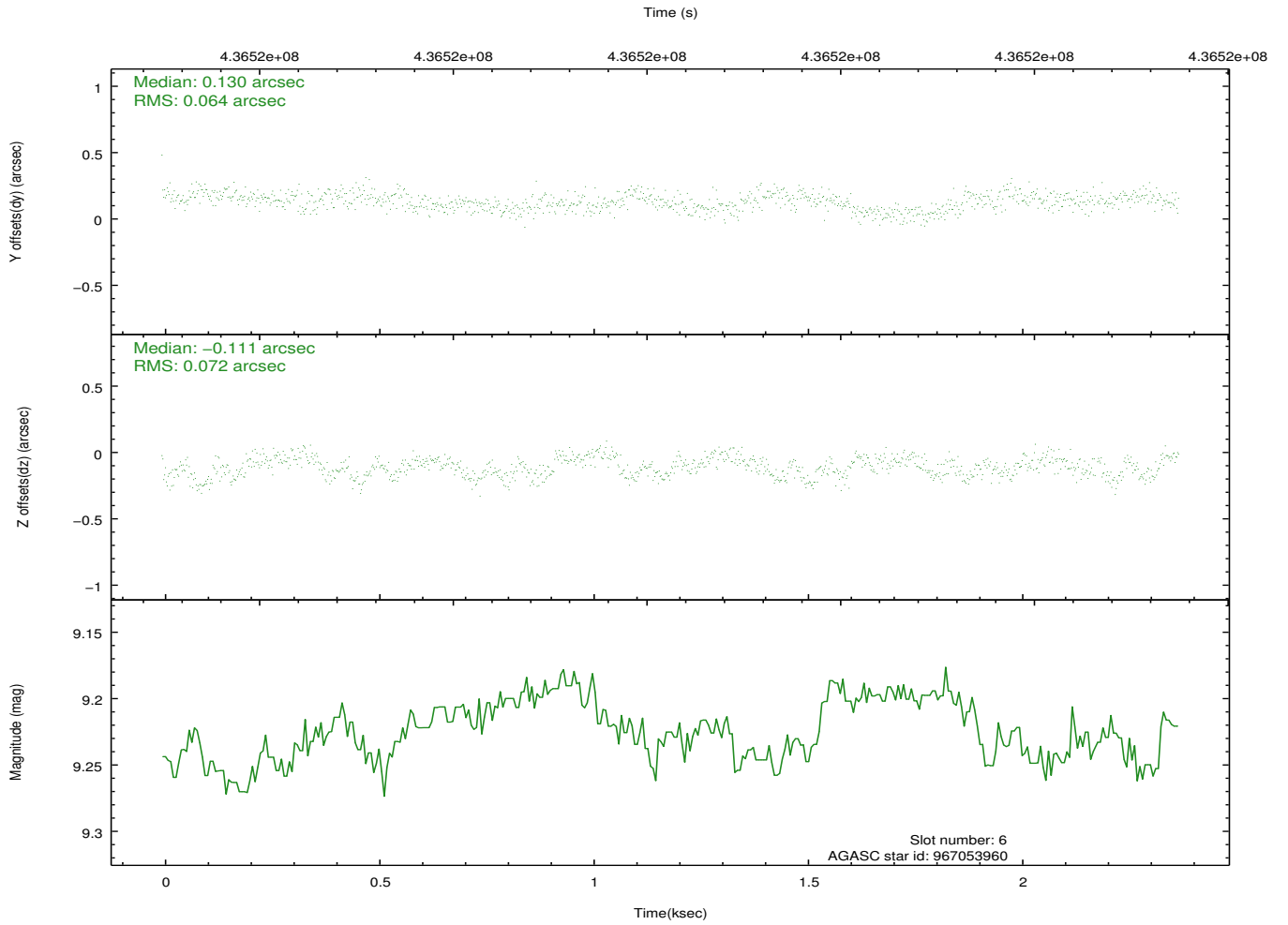
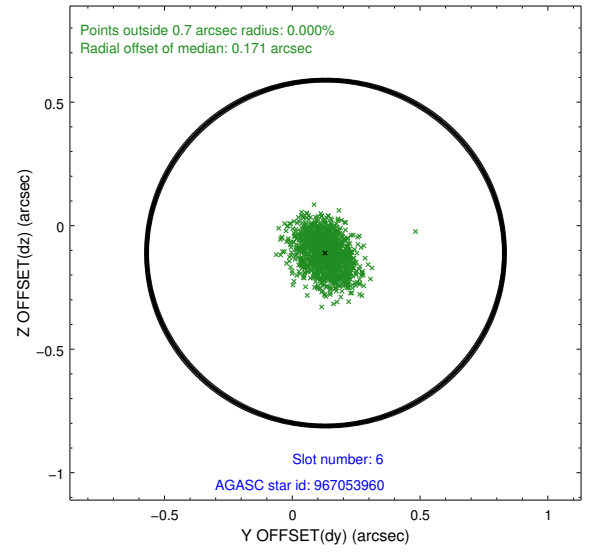
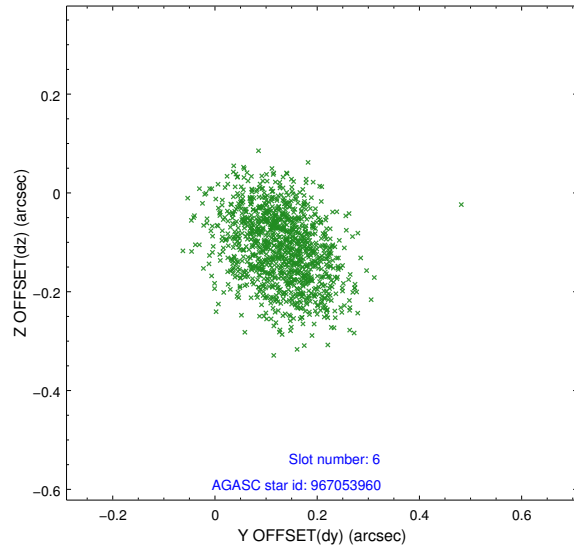
2.4.2 Slot 4



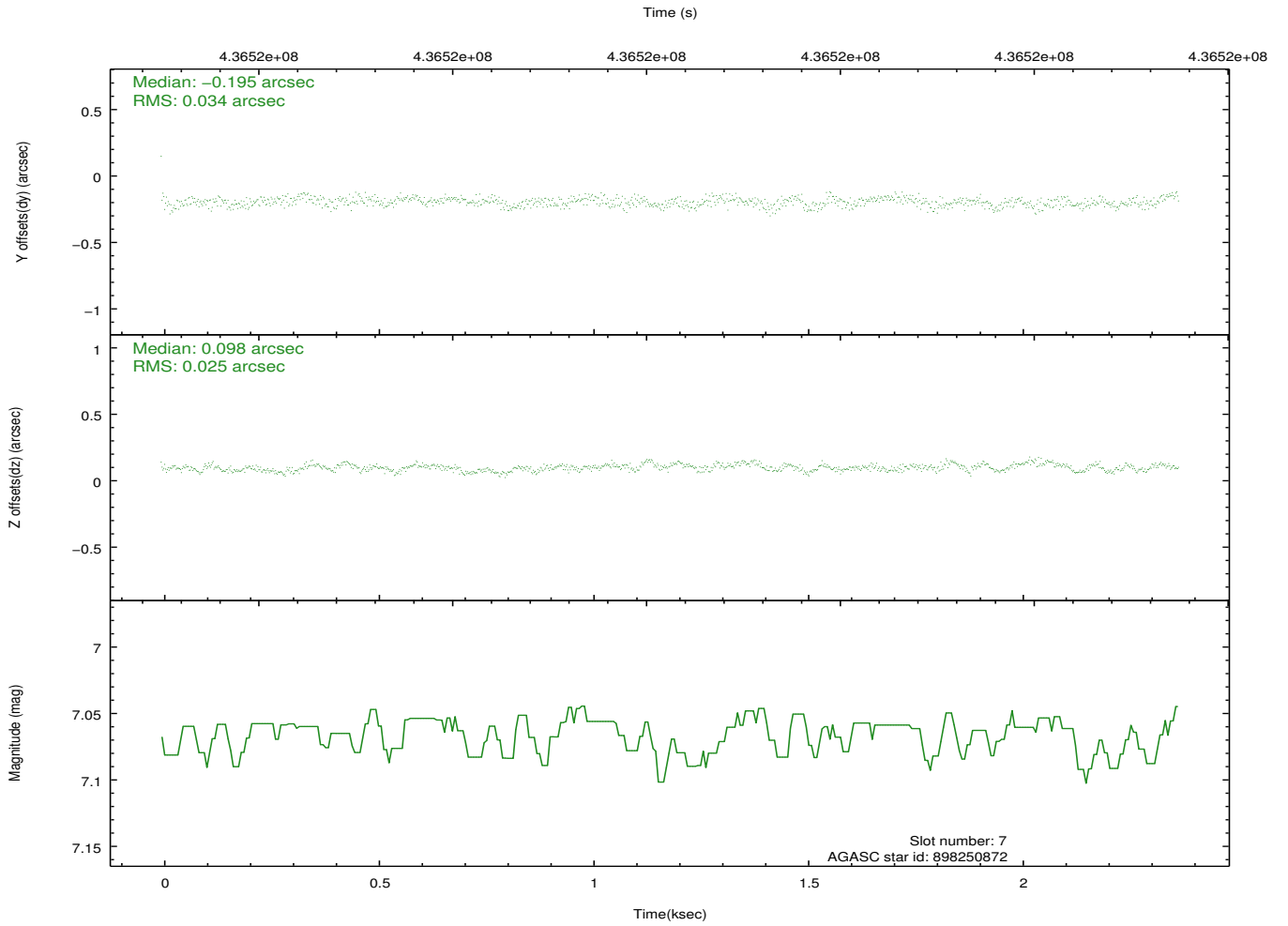
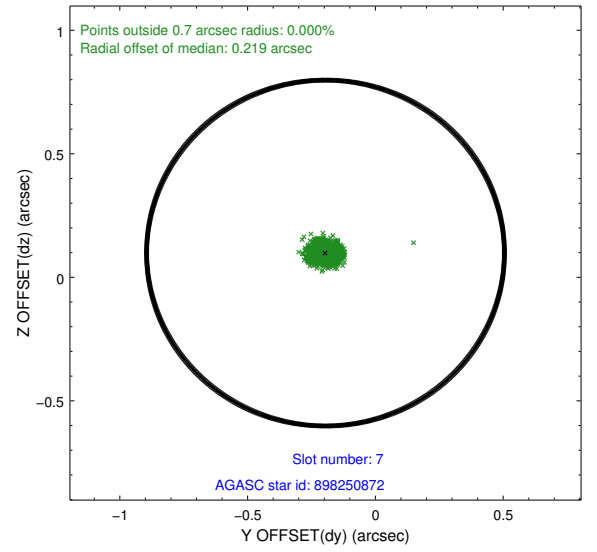
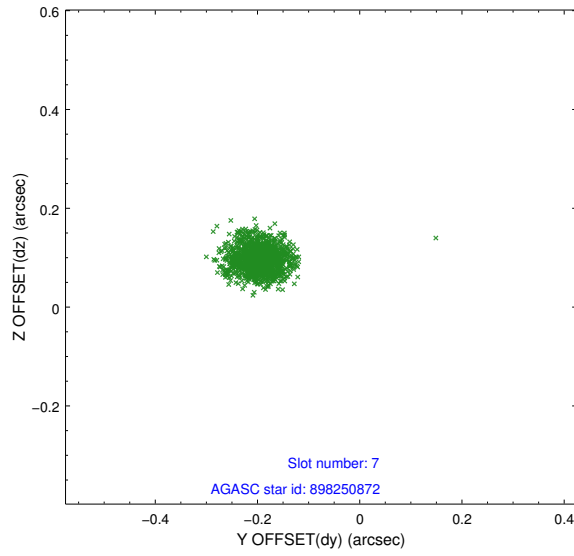
2.4.3 Slot 5



2.4.4 Slot 6

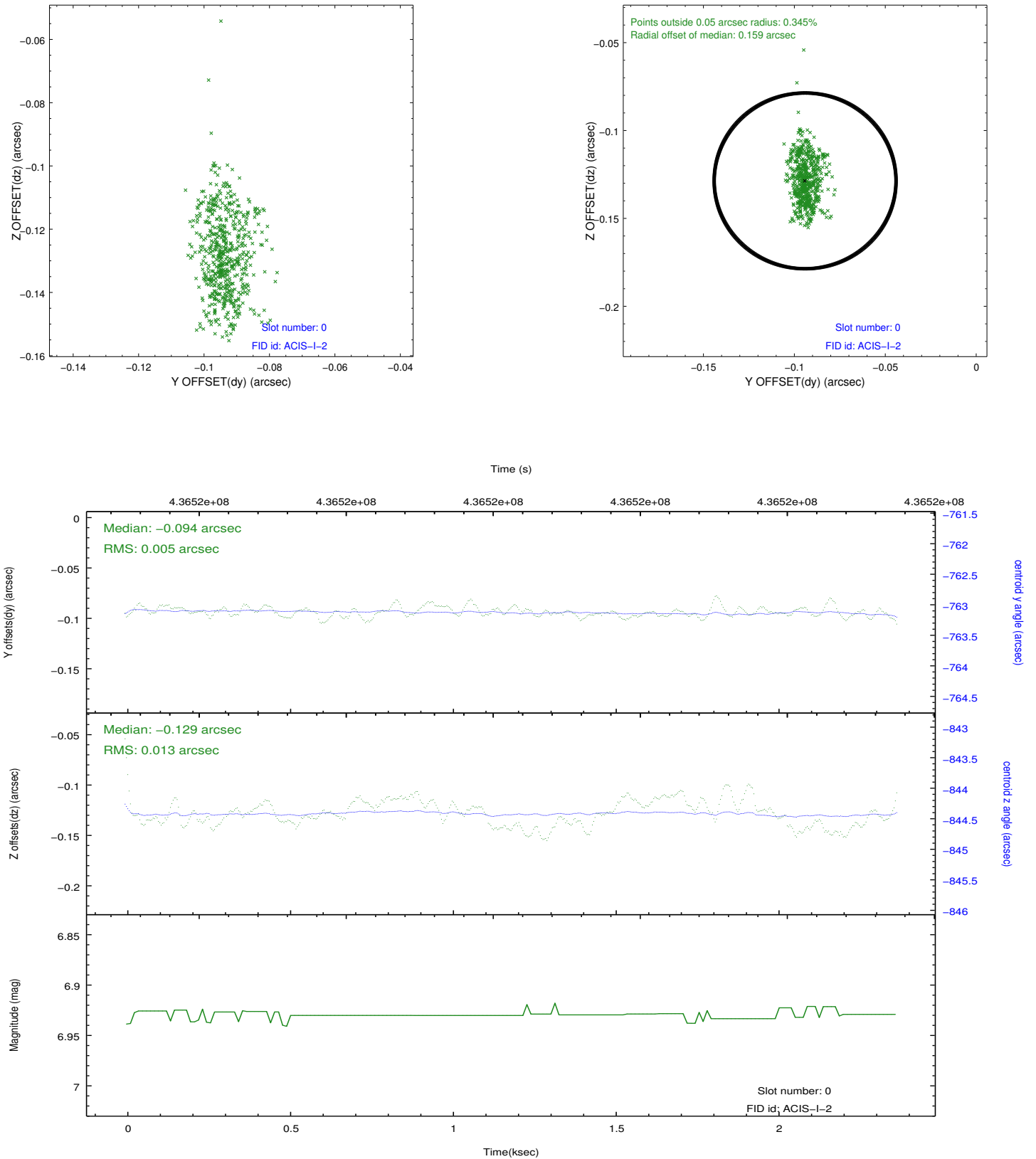


2.4.5 Slot 7

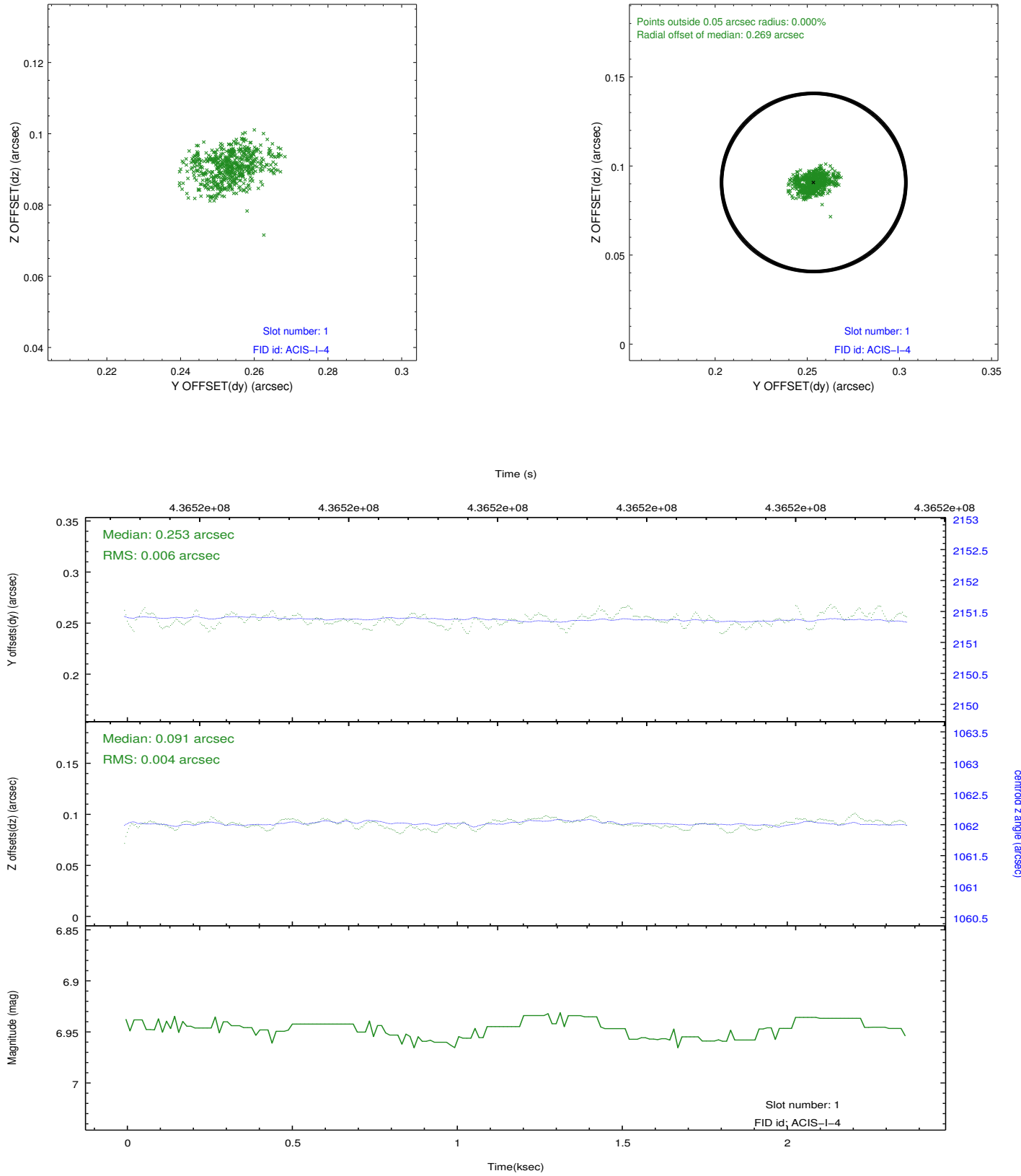


2.5 FID Slots

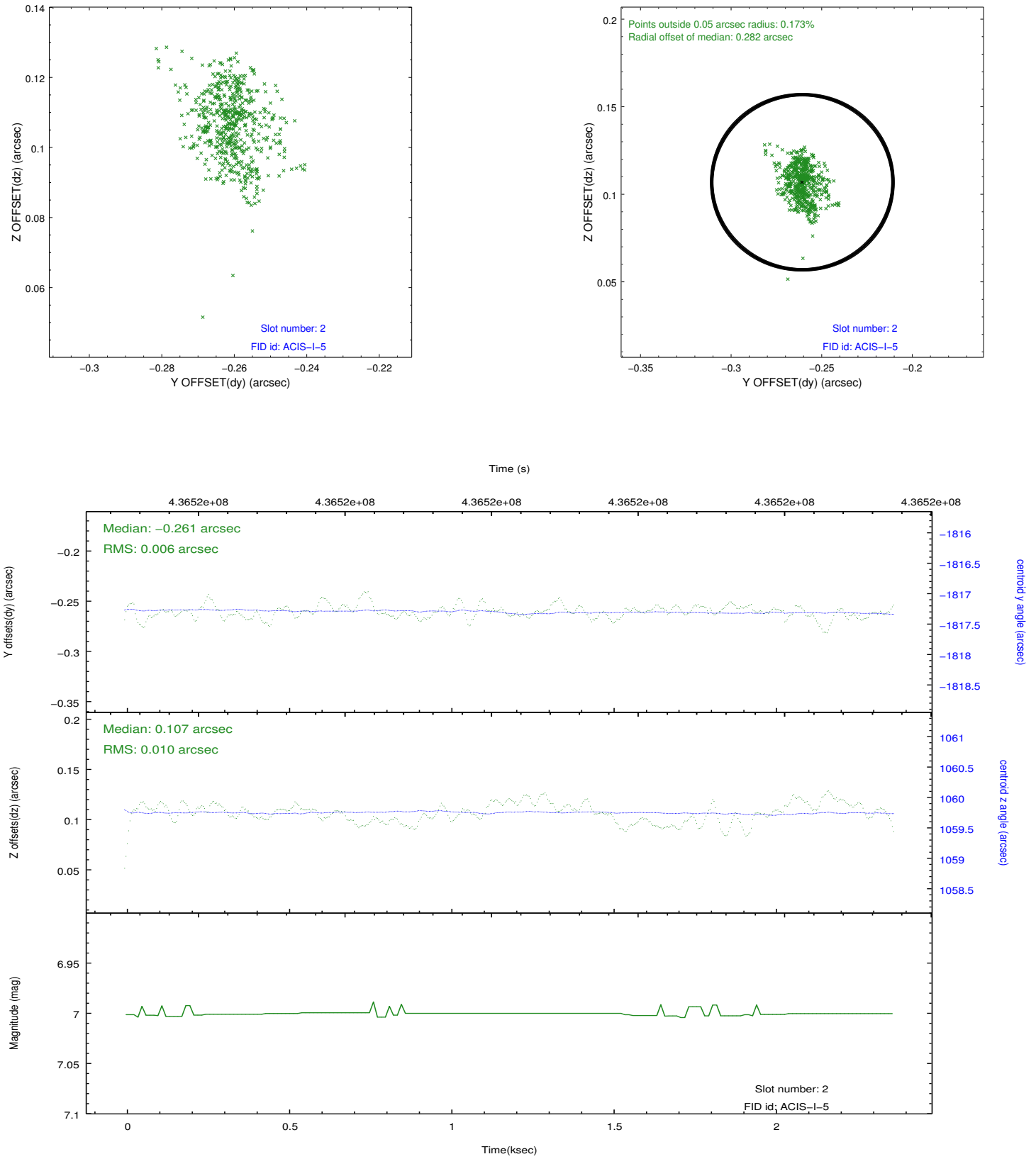
2.5.1 Slot 0



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