

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13568 - L2 Version 2
Chandra X-Ray Center

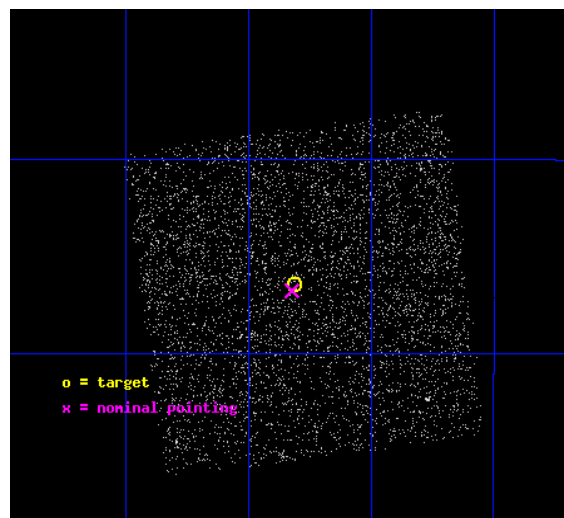
L2 Processing Date : Feb 25 2012

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

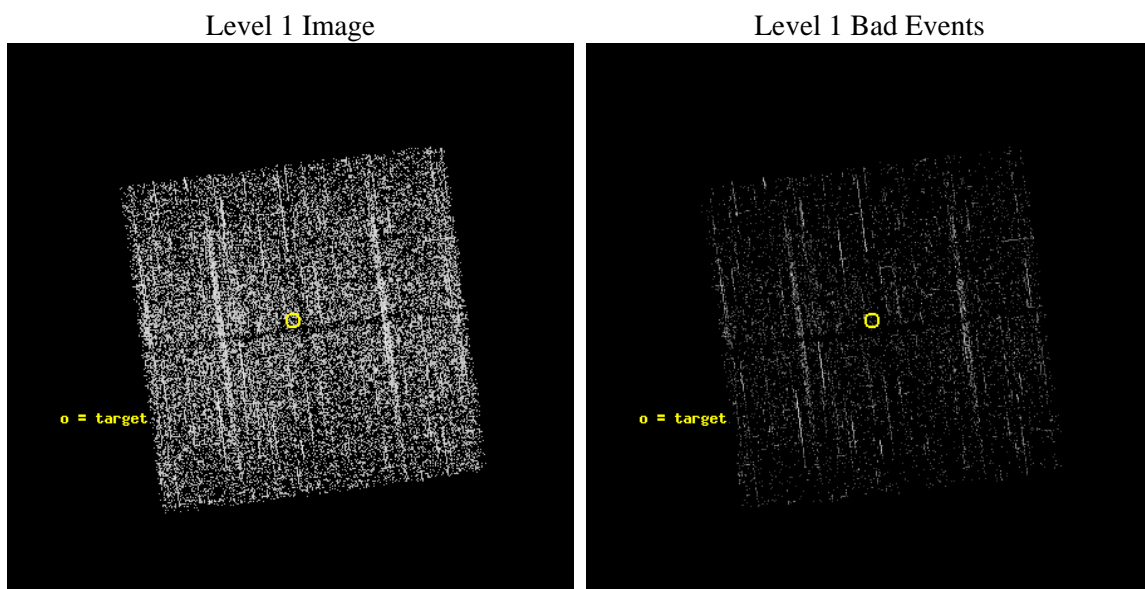
seq_num	401344	Sequence number
obs_id	13568	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.45369	Observer's specified target RA [deg]
dec_targ	-31.107857	Observer's specified target Dec [deg]
ra_nom	267.45582980107	Nominal RA [deg]
dec_nom	-31.113081636767	Nominal Dec [deg]
roll_nom	262.6544978939	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	5232	Number of level 2 events



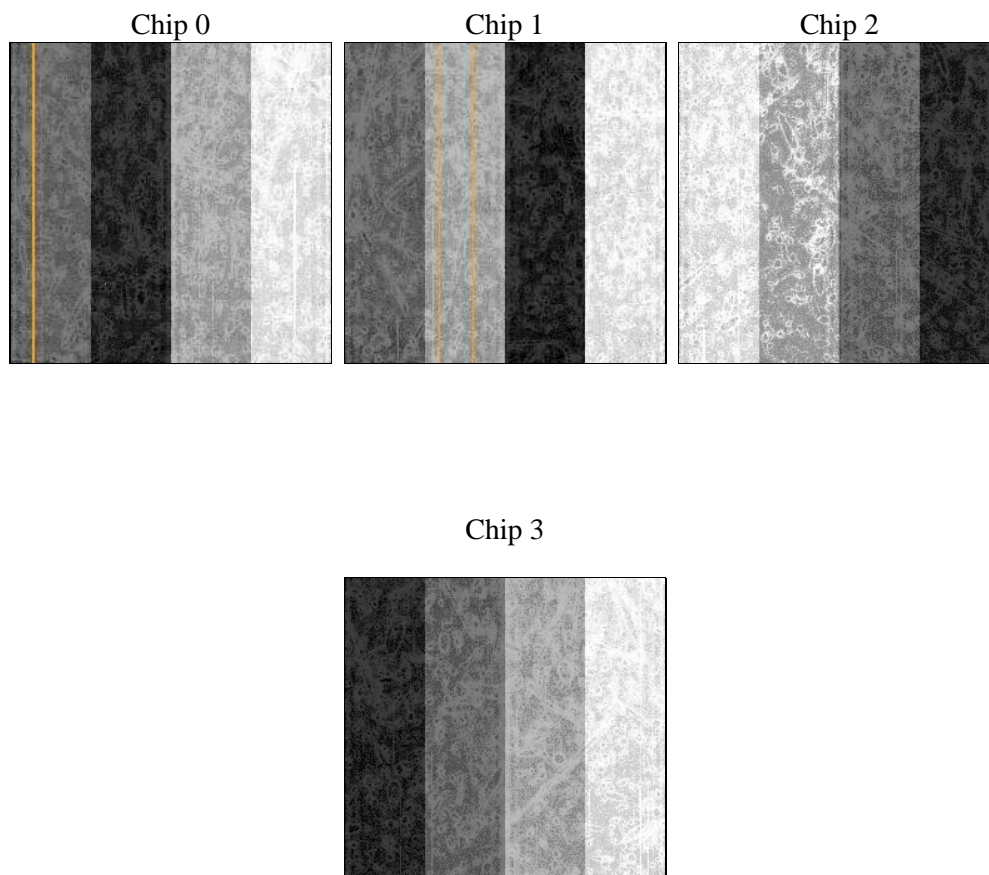
2 OBI

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	2012-02-26T01:07:42	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	43806	Number of level 1 events

2.1.4 Events

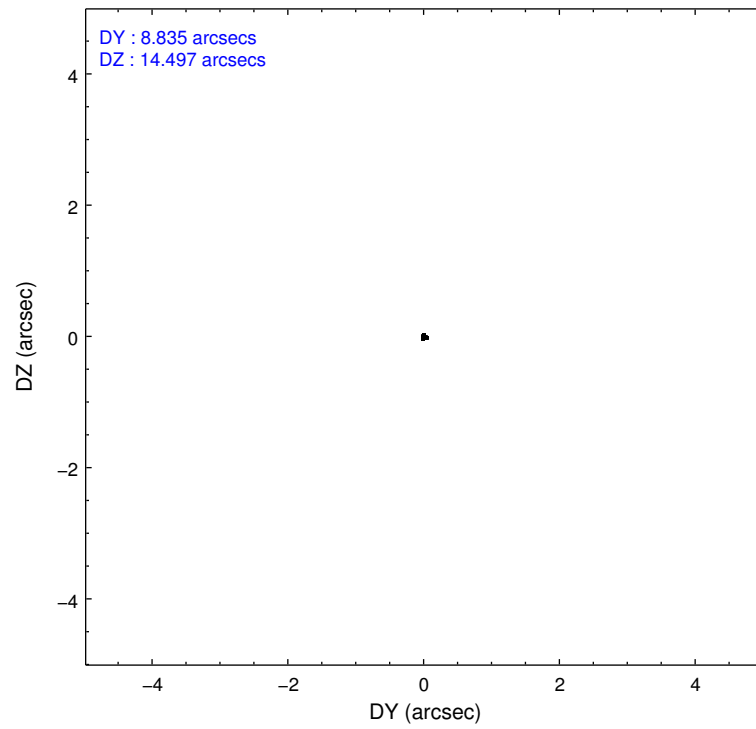
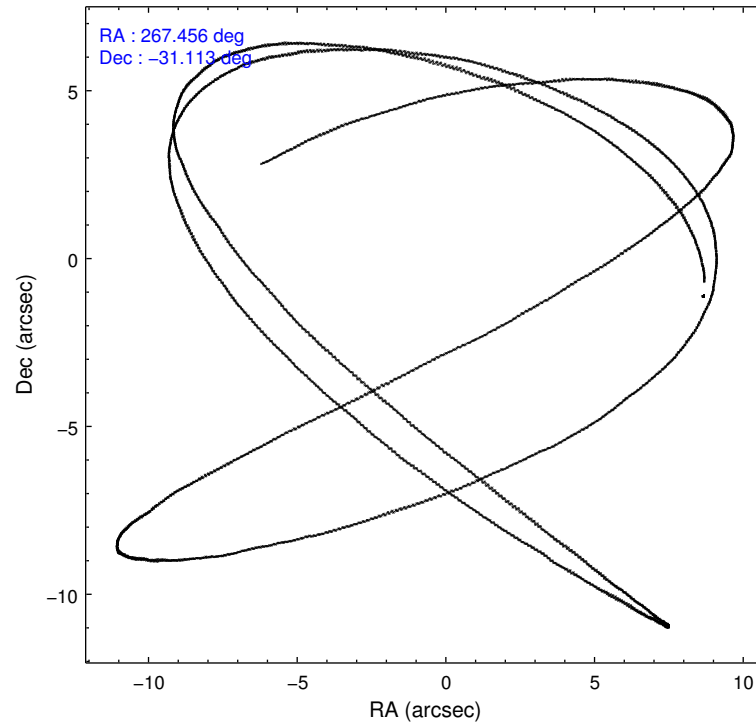
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10234	10396	11305	11871
rejected events	8710	8744	9836	10382
rejected %	85%	84%	87%	87%

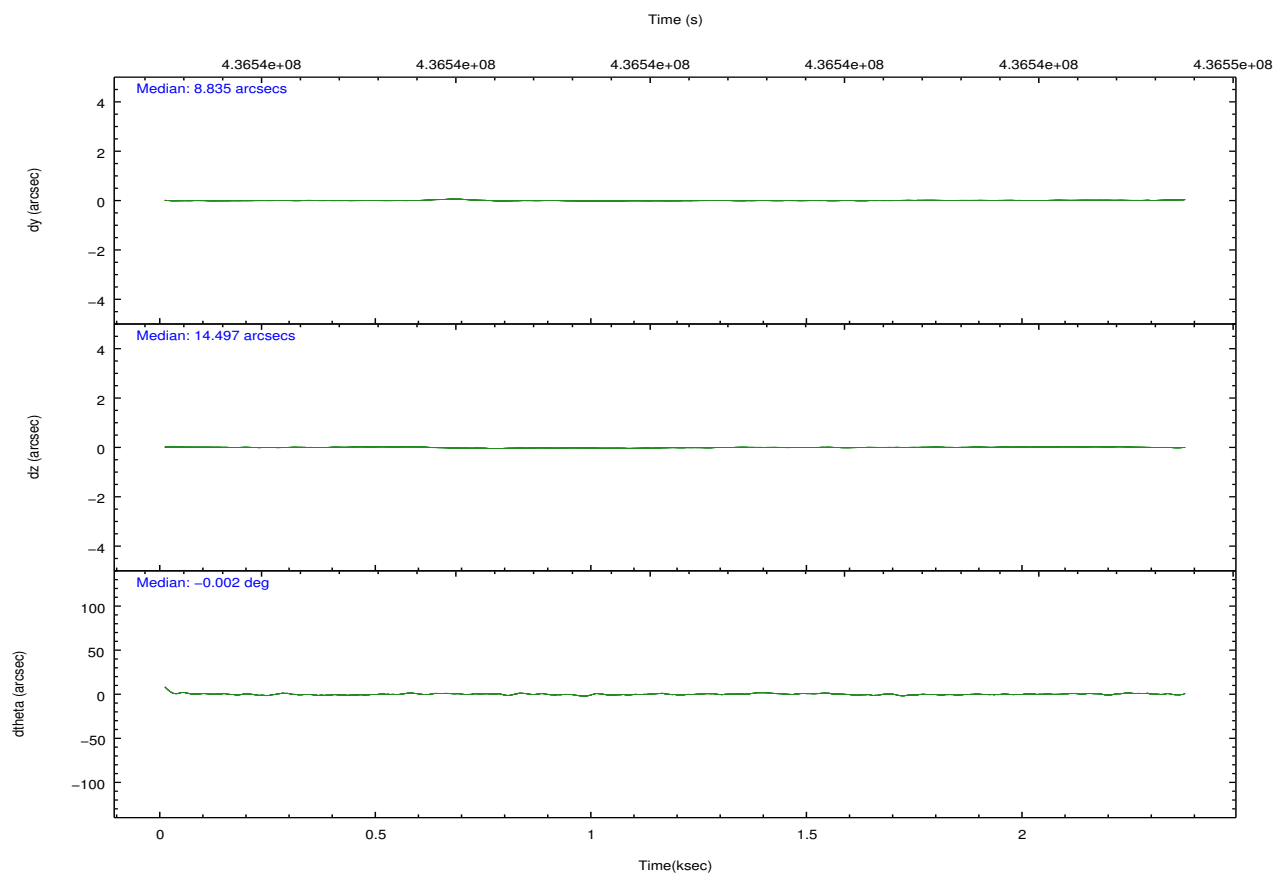
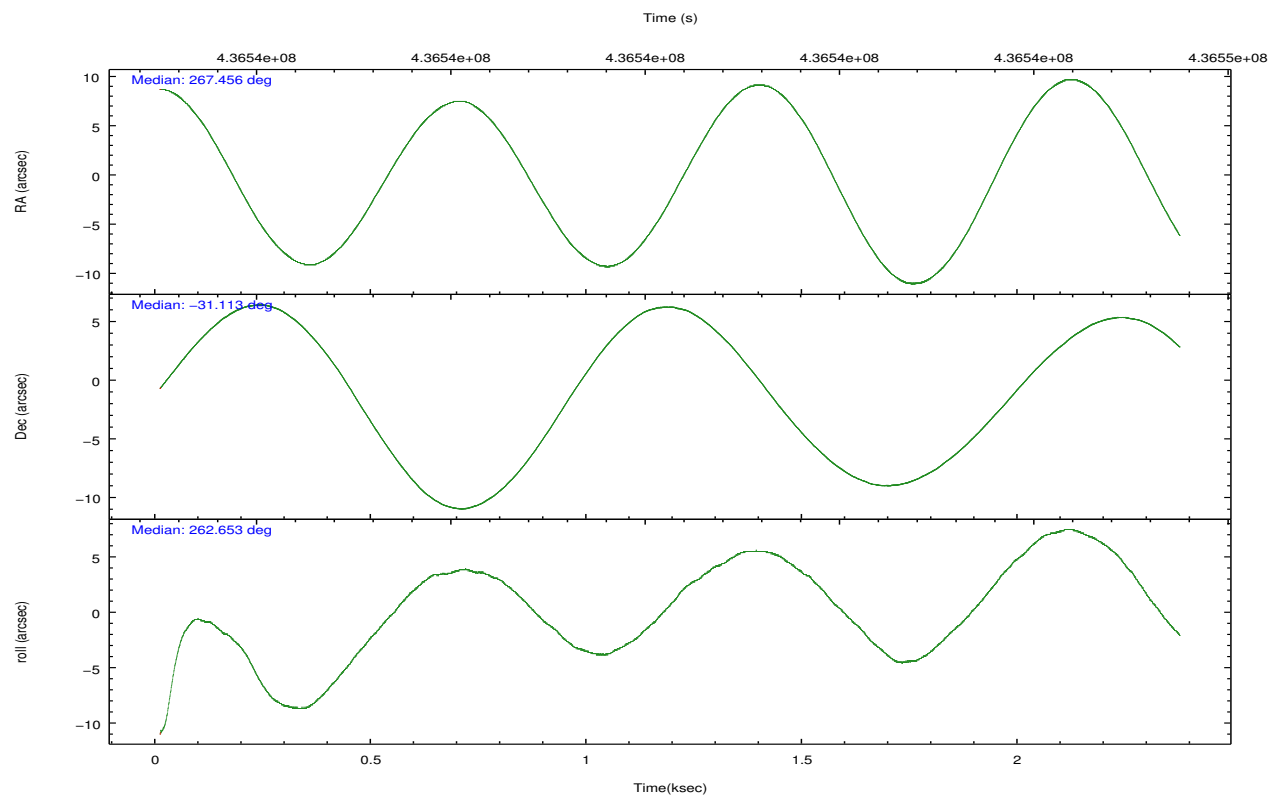
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	586	672	632	661
	5%	6%	5%	5%
grade 1 events	8	1	8	4
	0%	0%	0%	0%
grade 2 events	351	359	311	286
	3%	3%	2%	2%
grade 3 events	155	150	137	143
	1%	1%	1%	1%
grade 4 events	147	153	160	141
	1%	1%	1%	1%
grade 5 events	515	530	479	584
	5%	5%	4%	4%
grade 6 events	291	325	235	265
	2%	3%	2%	2%
grade 7 events	8181	8206	9343	9787
	79%	78%	82%	82%

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	267.443214	267.4558298010745	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.088010	-31.11308163676654	Alternating exposures requested	N	N
[deg] Pointing Roll	262.439354	262.6544978938978	[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)	436543079.184000	436542702.82055			
Observation start date	2011-11-01T13:56:53	2011-11-01T13:51:42			
[s] Observation end time (MET)	436545259.184000	436545392.93319			
Observation end date	2011-11-01T14:33:13	2011-11-01T14:36:32			
Read mode	TIMED	TIMED			

2.3 Aspect



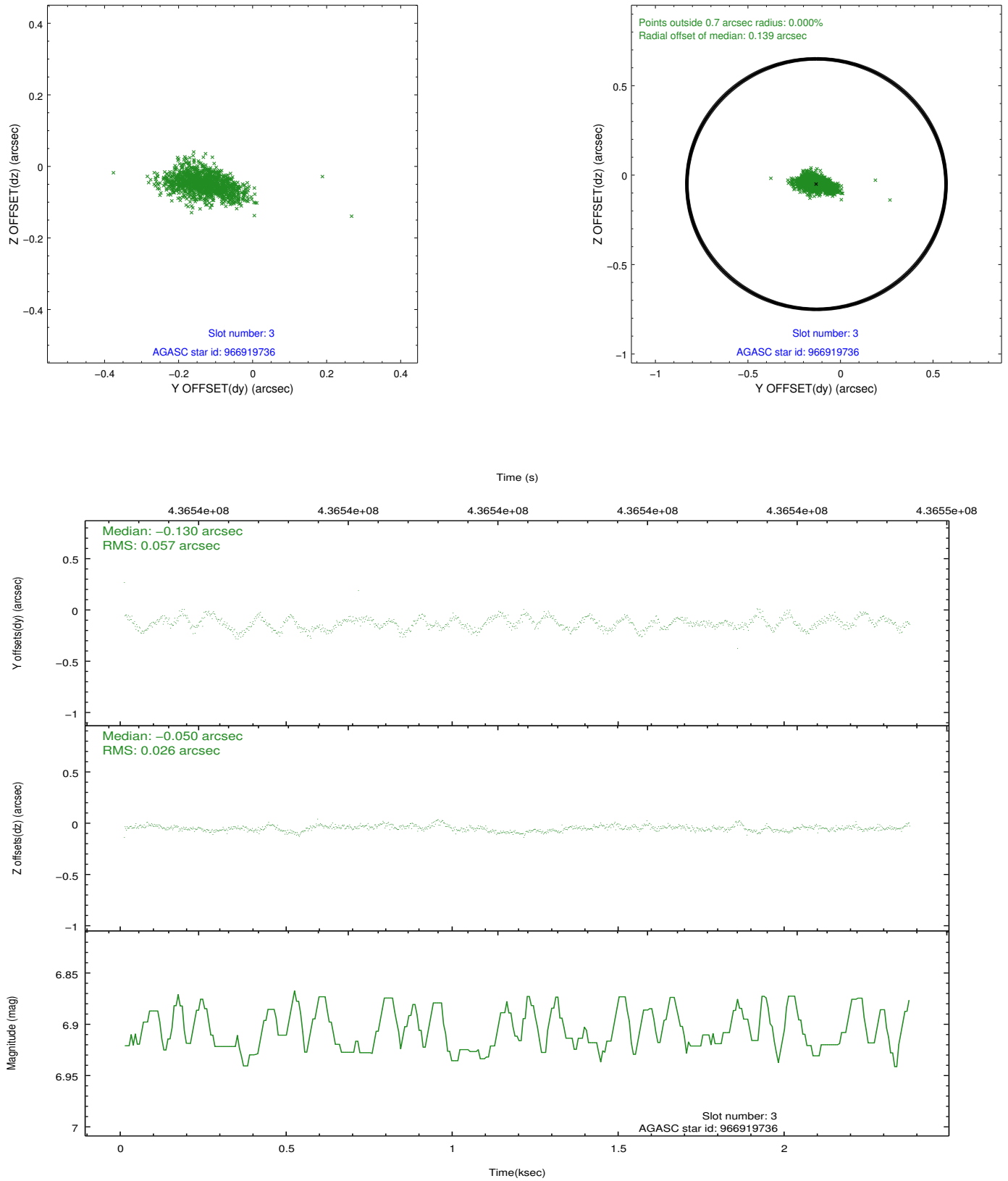


Slot Statistics

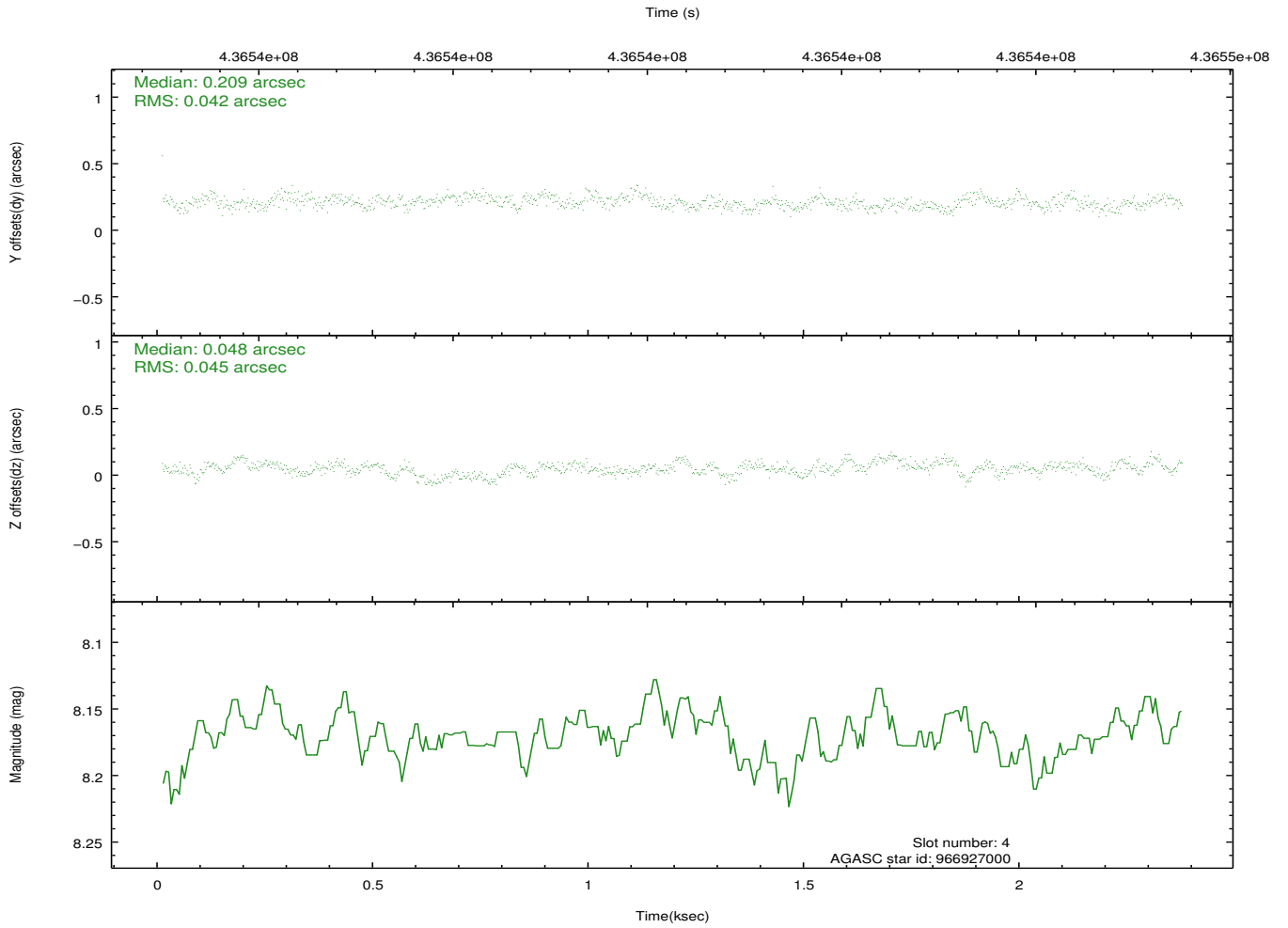
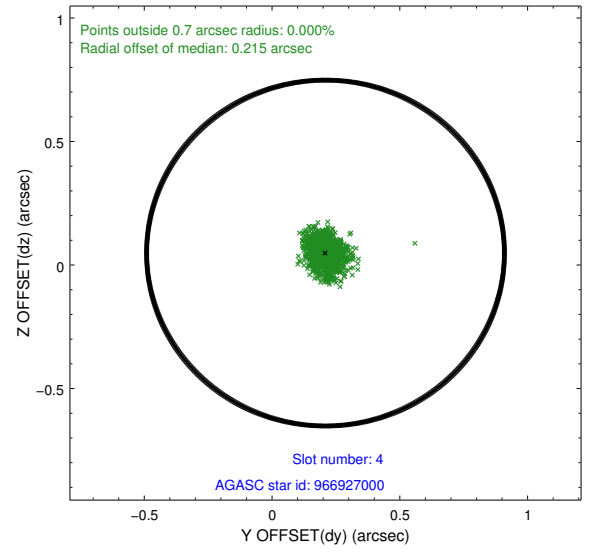
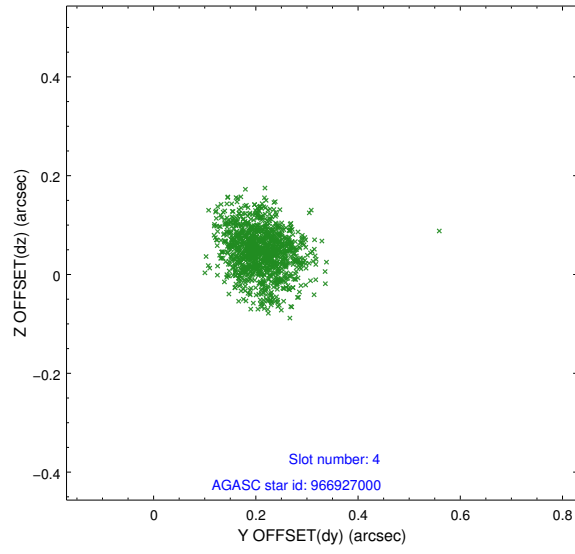
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	577	-0.098	-0.107	0.009	0.018	0.000000	0.000000	-763.48	-844.55
1	FID	ACIS-I-4	6.94	578	0.225	0.087	0.007	0.011	0.000000	0.000000	2149.66	1060.42
2	FID	ACIS-I-5	7.00	578	-0.227	0.088	0.010	0.015	0.000000	0.000000	-1813.91	1061.41
3	GUIDE	966919736	6.91	1155	-0.130	-0.050	0.065	0.110	267.322278	-30.597445	-1699.58	-603.37
4	GUIDE	966927000	8.17	1154	0.209	0.048	0.066	0.107	267.318997	-31.255021	646.58	-300.47
5	GUIDE	967059168	8.42	1155	-0.007	-0.032	0.083	0.121	267.755631	-31.226839	372.08	1018.86
6	GUIDE	966920512	8.36	1155	-0.140	-0.012	0.066	0.102	267.231170	-30.494681	-2028.74	-932.43
7	GUIDE	967060832	9.31	1154	0.069	0.055	0.087	0.146	267.800373	-31.675183	1952.84	1362.25

2.4 Star Slots

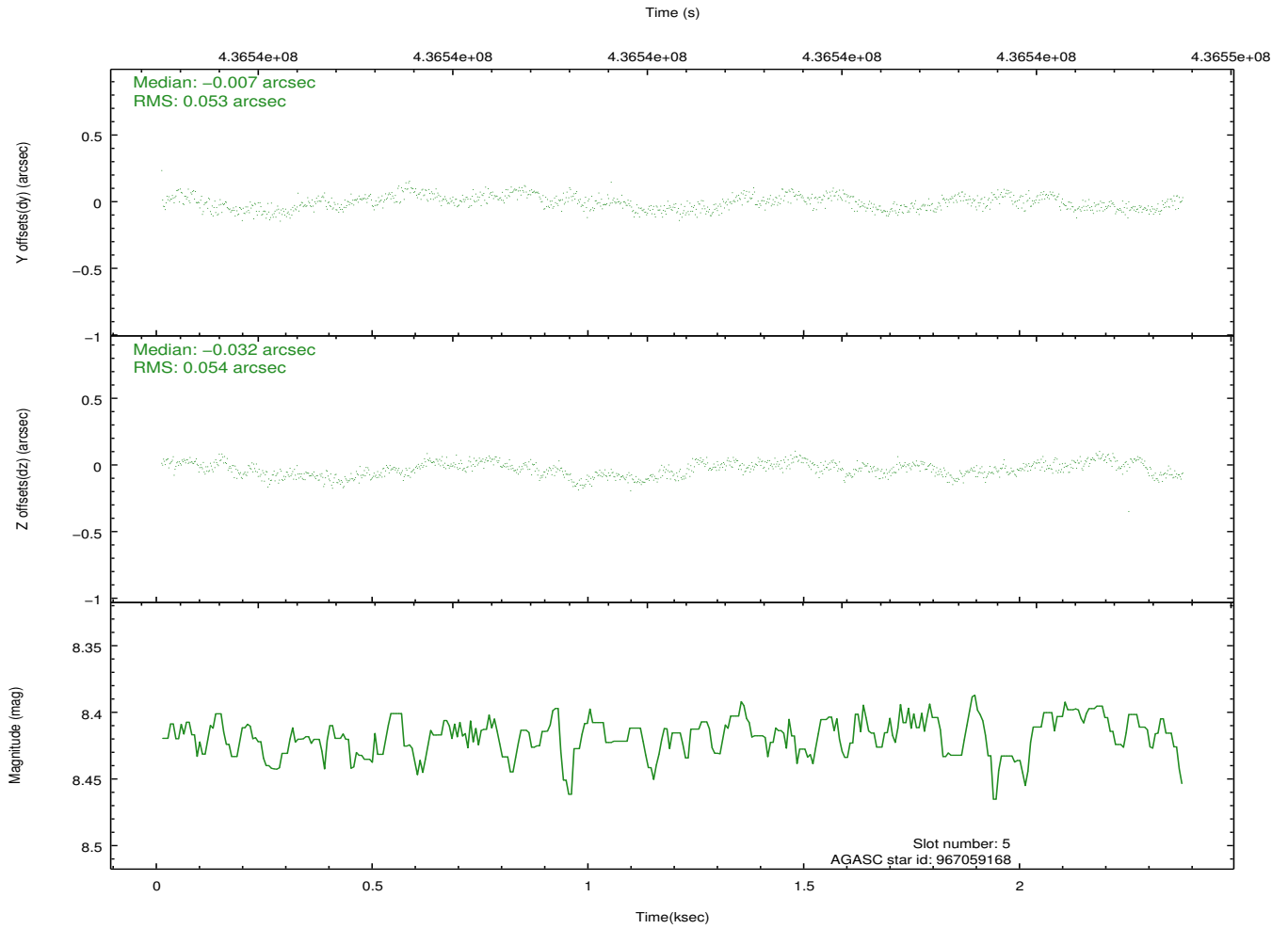
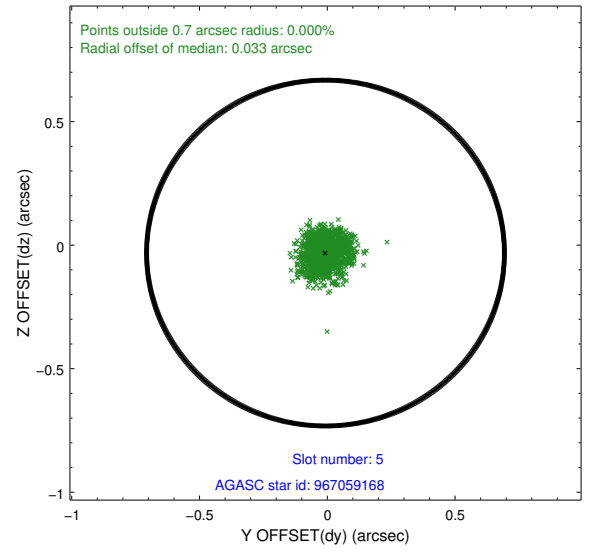
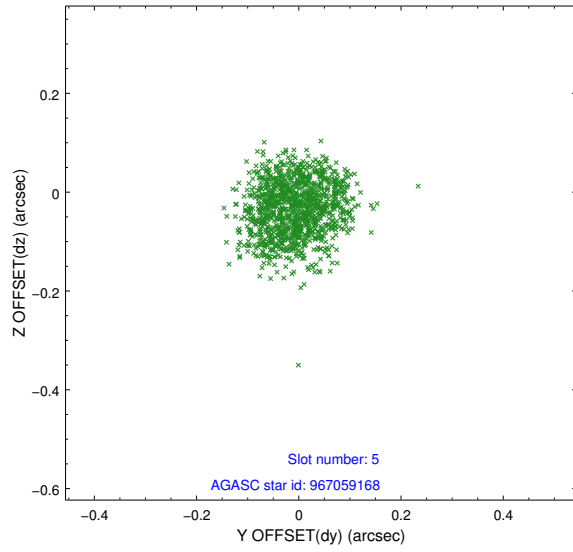
2.4.1 Slot 3



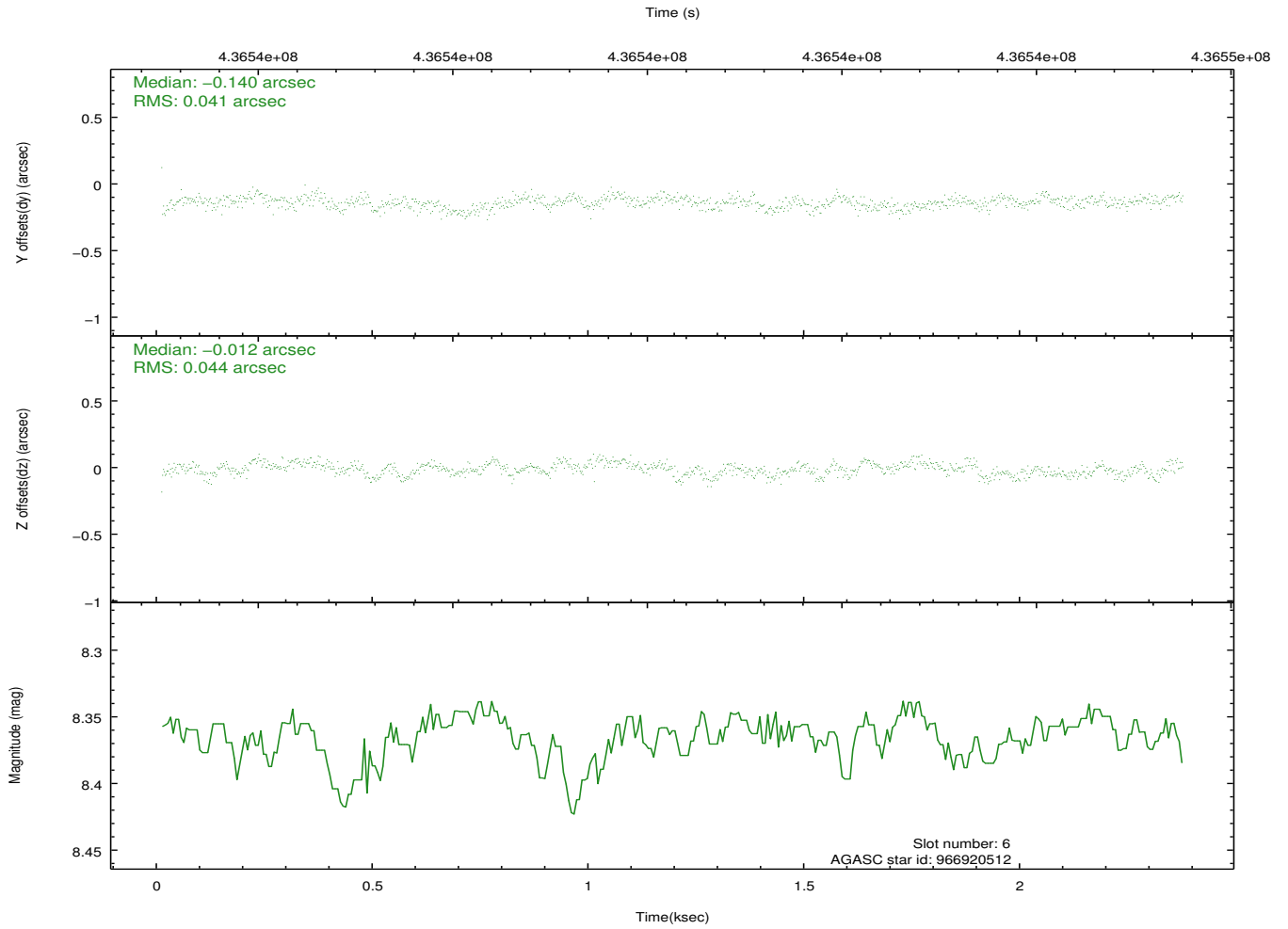
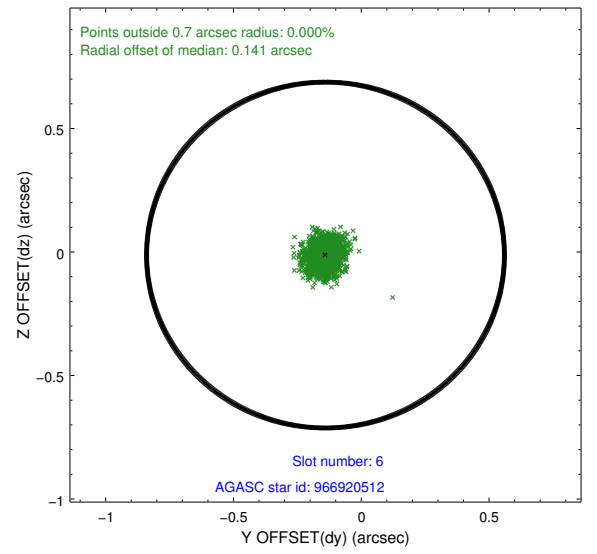
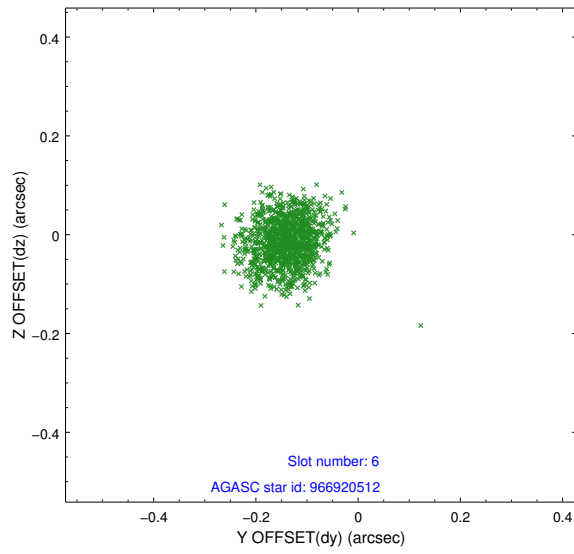
2.4.2 Slot 4



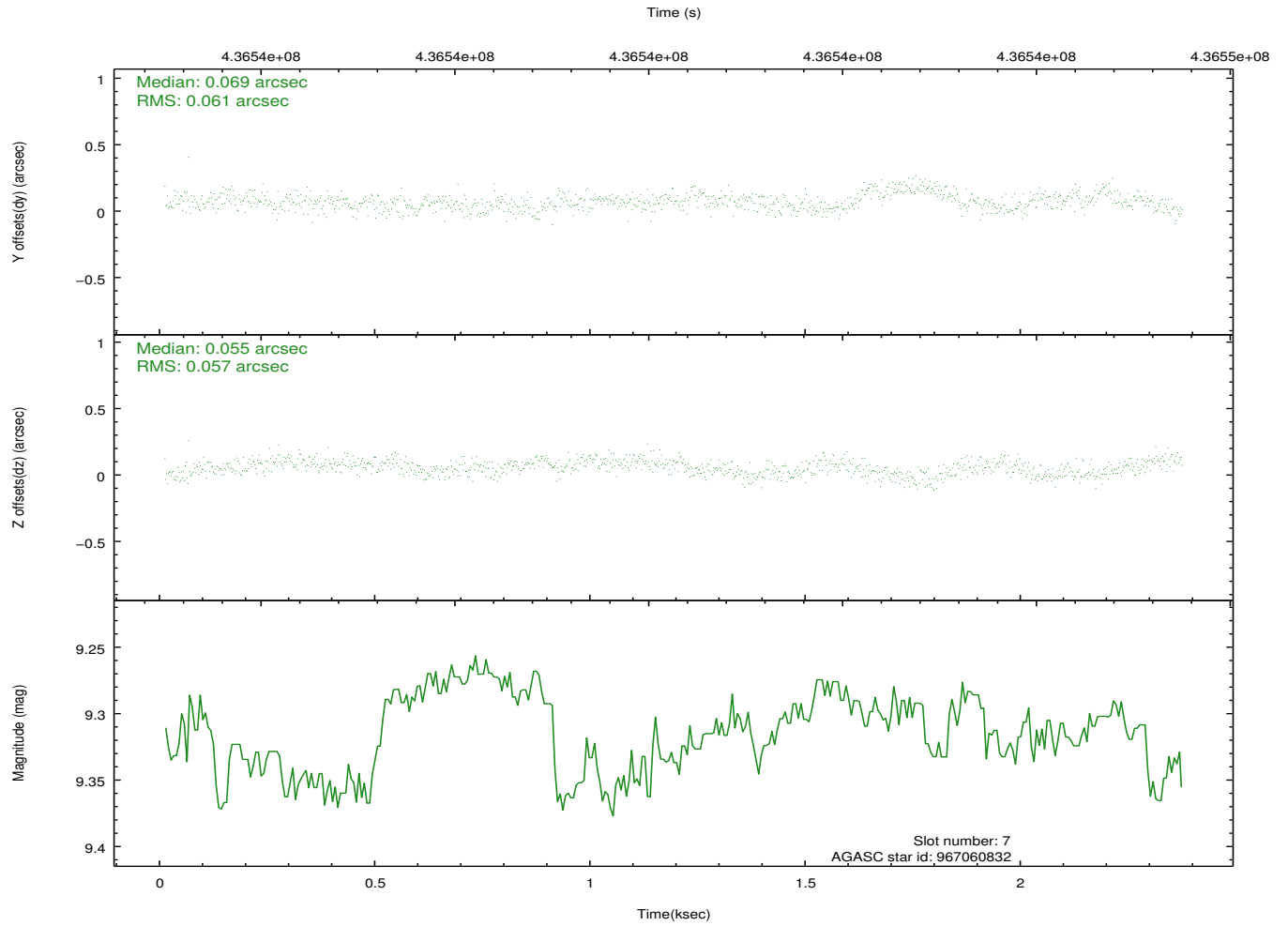
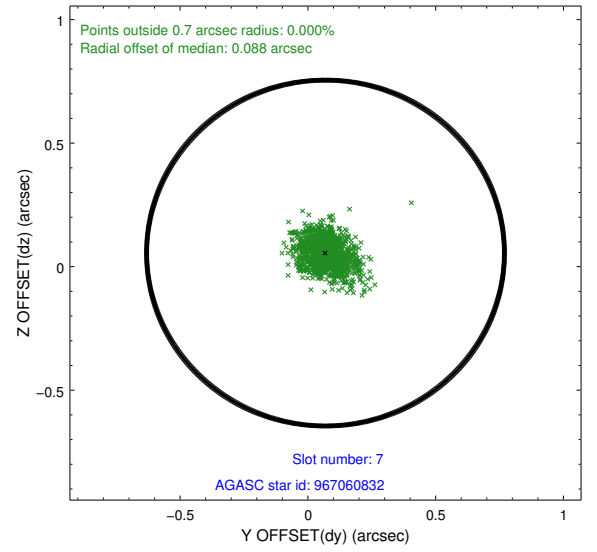
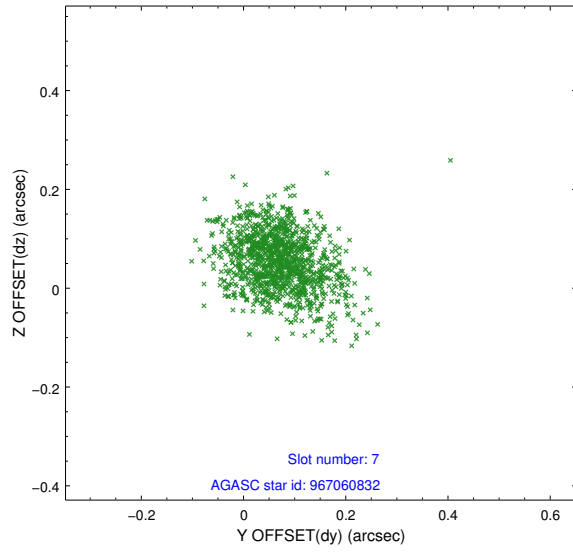
2.4.3 Slot 5



2.4.4 Slot 6

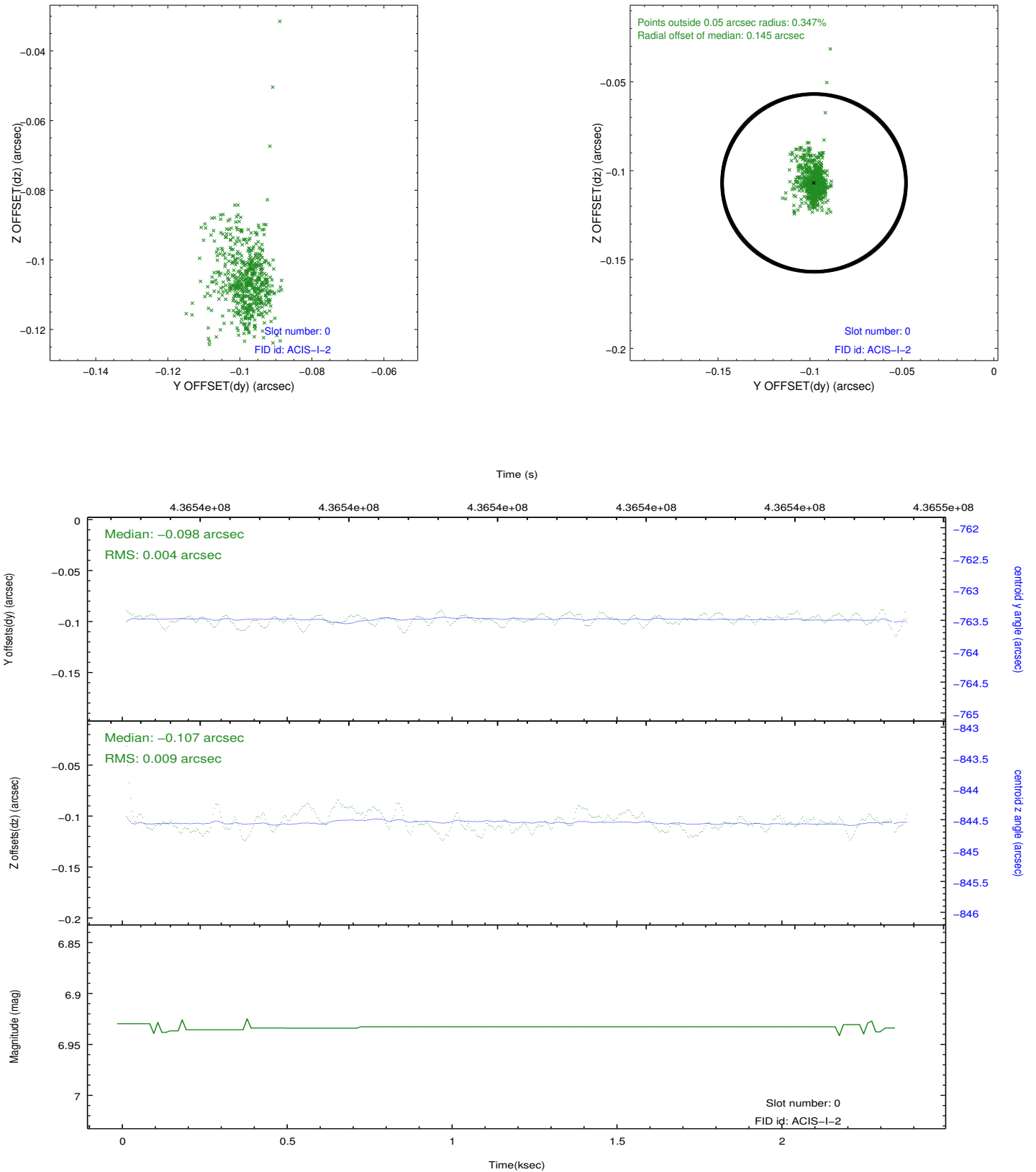


2.4.5 Slot 7

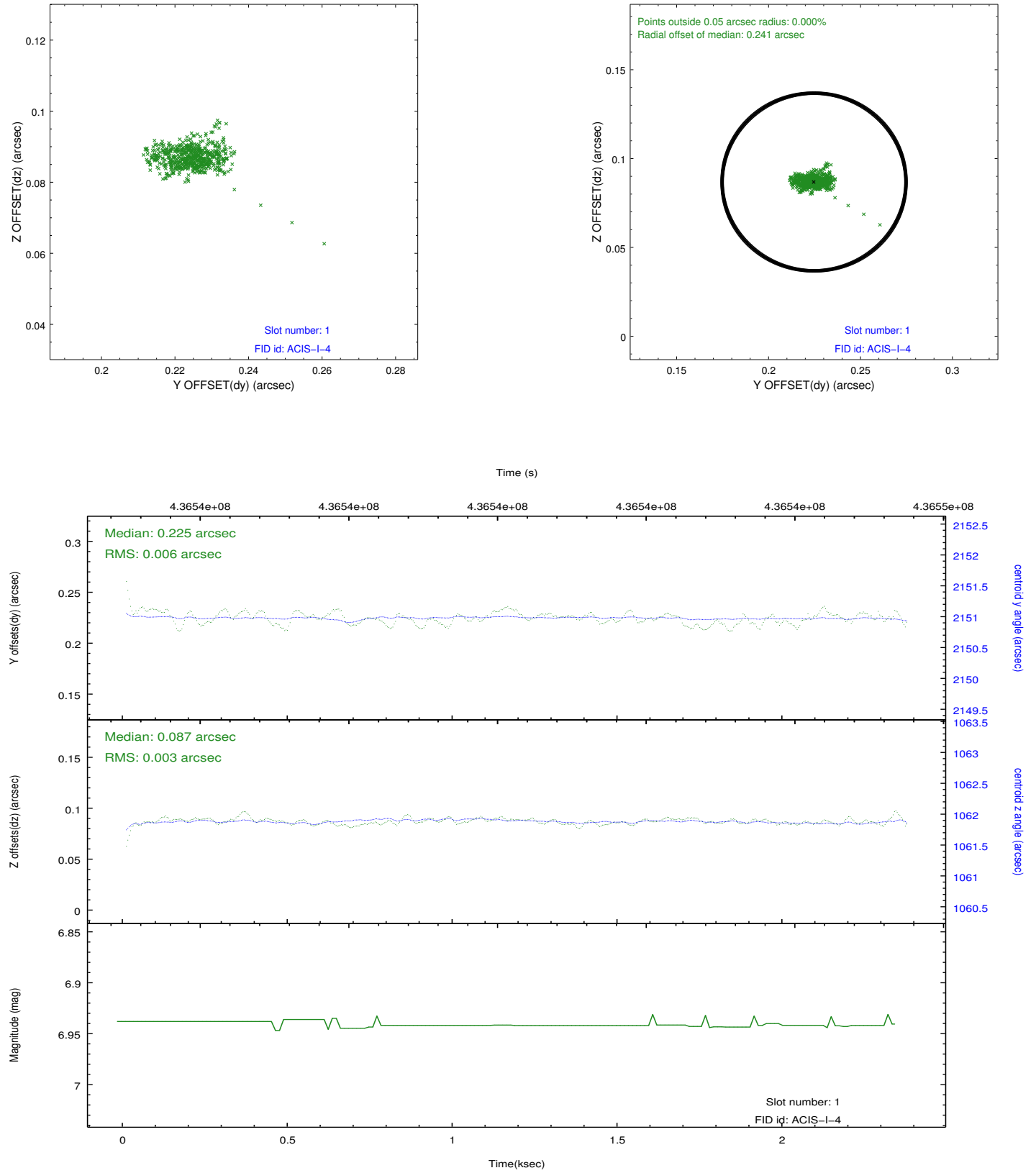


2.5 FID Slots

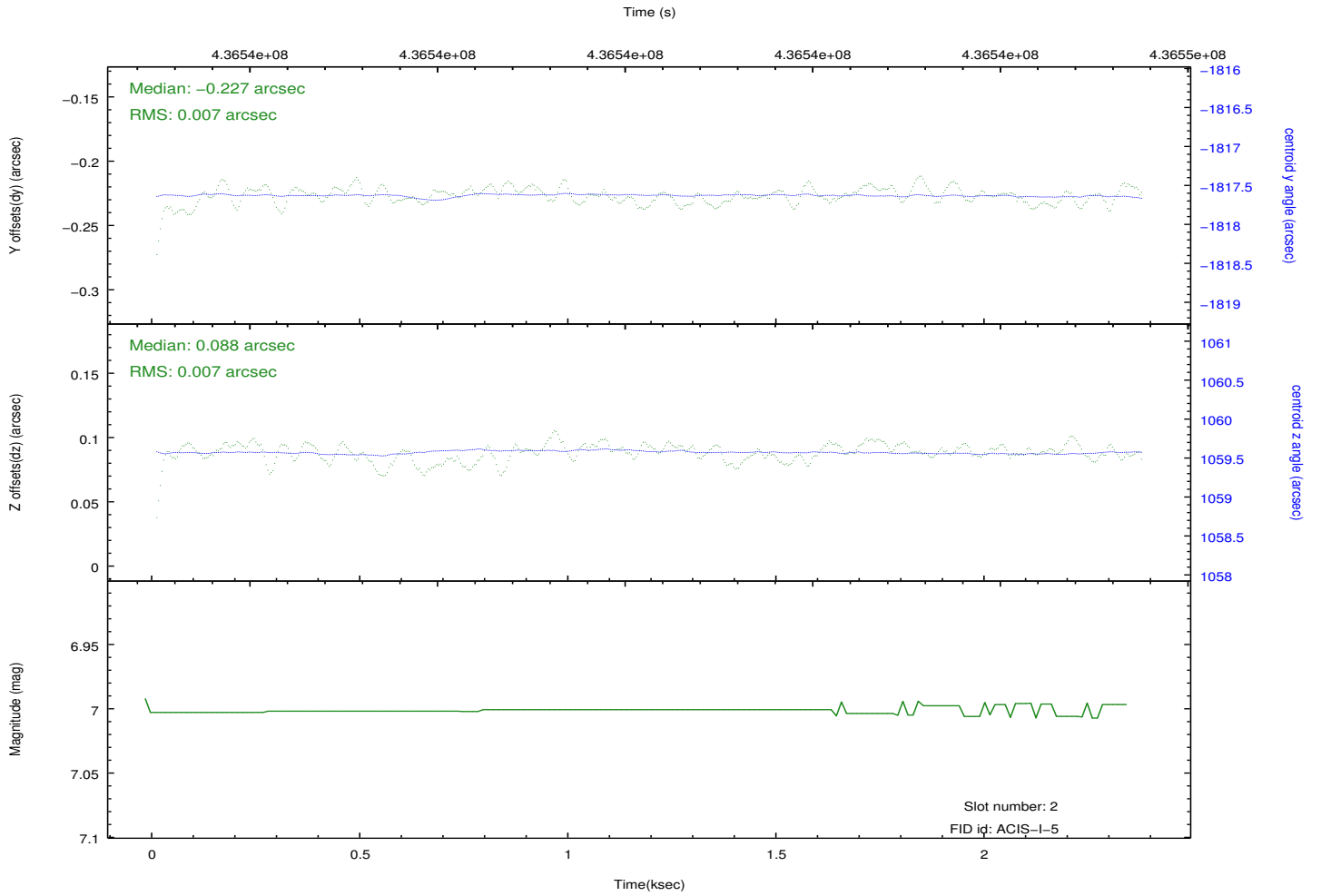
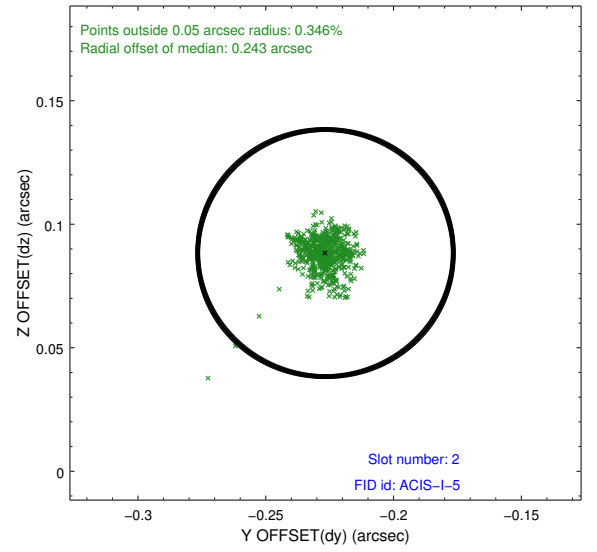
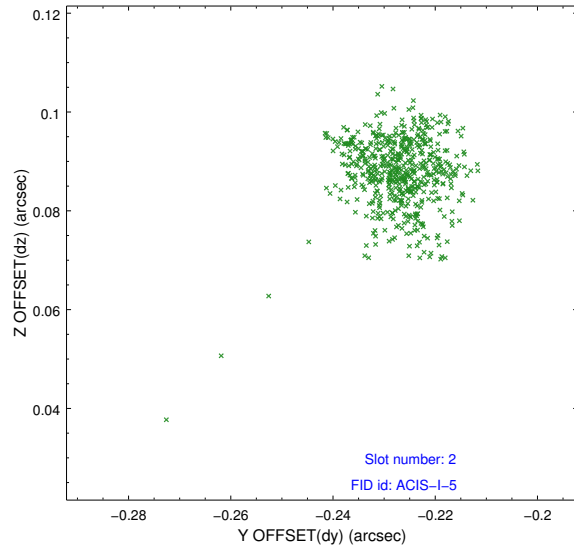
2.5.1 Slot 0



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