

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13565 - L2 Version 2
Chandra X-Ray Center

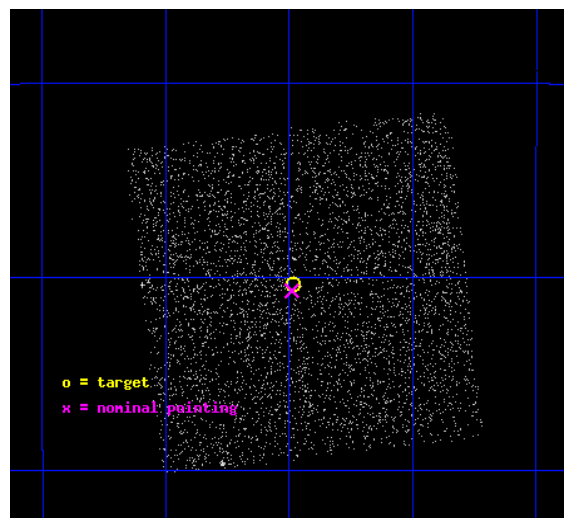
L2 Processing Date : Feb 25 2012

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

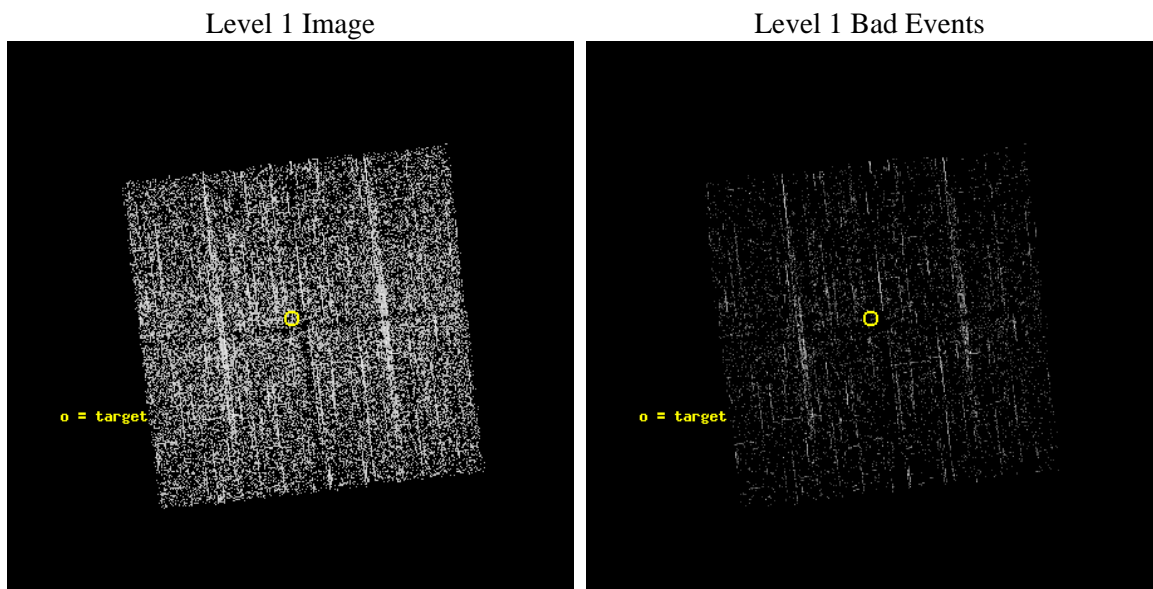
seq_num	401341	Sequence number
obs_id	13565	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.870266	Observer's specified target RA [deg]
dec_targ	-30.506653	Observer's specified target Dec [deg]
ra_nom	267.87221772662	Nominal RA [deg]
dec_nom	-30.511946145666	Nominal Dec [deg]
roll_nom	263.45252631127	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.4372595549	Sum of GTIs [s]
livetime	1947.6528489354	Livetime [s]
ontime0	1973.314139545	Sum of GTIs [s]
ontime1	1973.3551795483	Sum of GTIs [s]
ontime2	1973.3962195516	Sum of GTIs [s]
ontime3	1973.4372595549	Sum of GTIs [s]
l2events	5582	Number of level 2 events



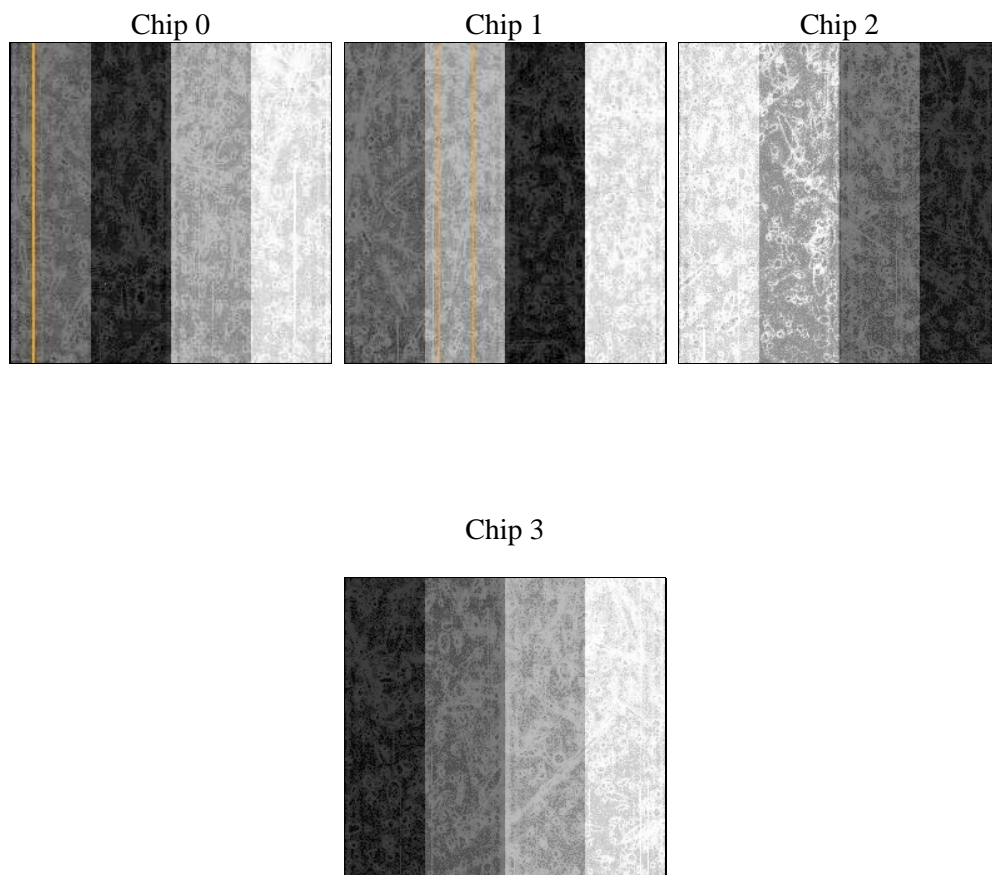
2 OBI

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	1973.4372595549	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.314139545	Sum of GTIs [s]
date	2012-02-26T01:08:40	Date and time of file creation	ontime1	1973.3551795483	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.3962195516	Sum of GTIs [s]
			ontime3	1973.4372595549	Sum of GTIs [s]
			l1events	45439	Number of level 1 events

2.1.4 Events

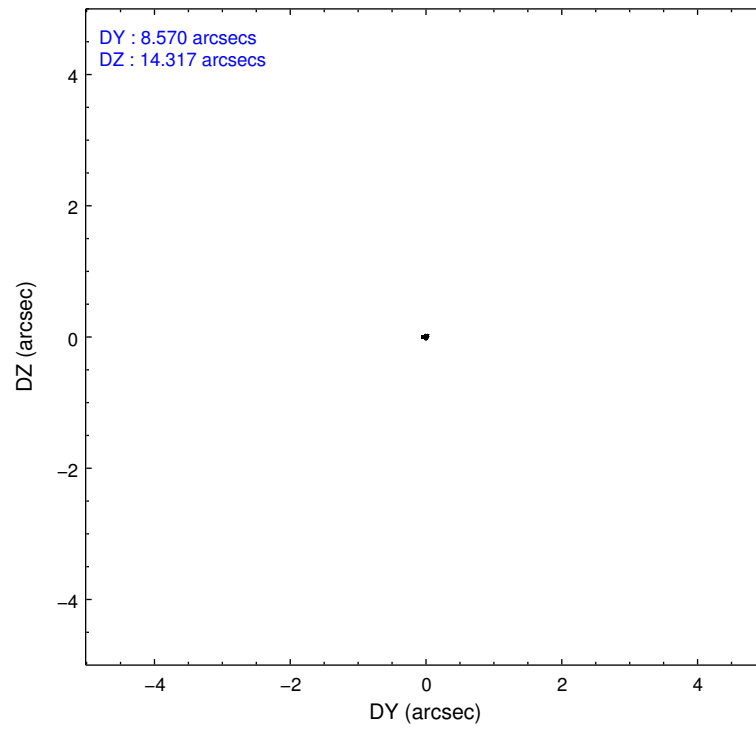
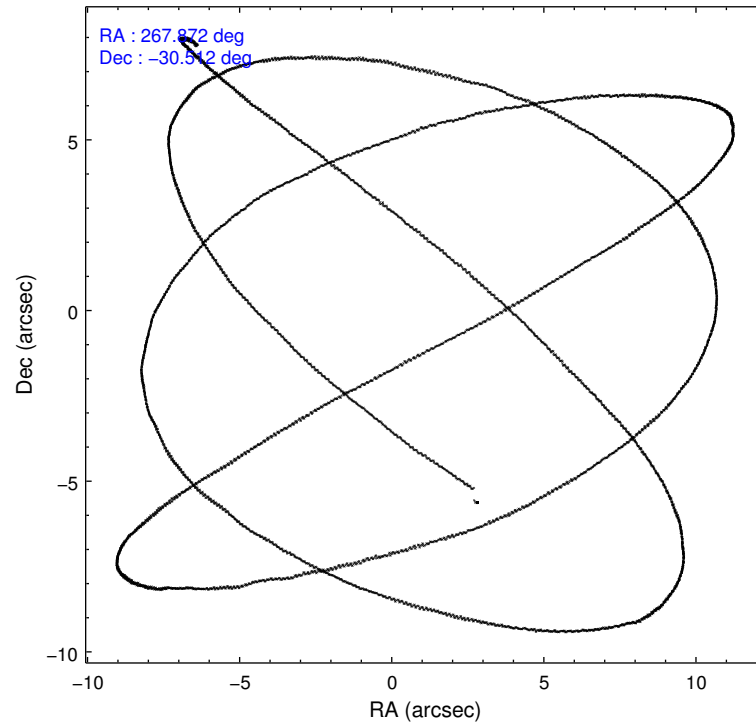
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11061	10852	11701	11825
rejected events	9438	9143	10057	10243
rejected %	85%	84%	85%	86%

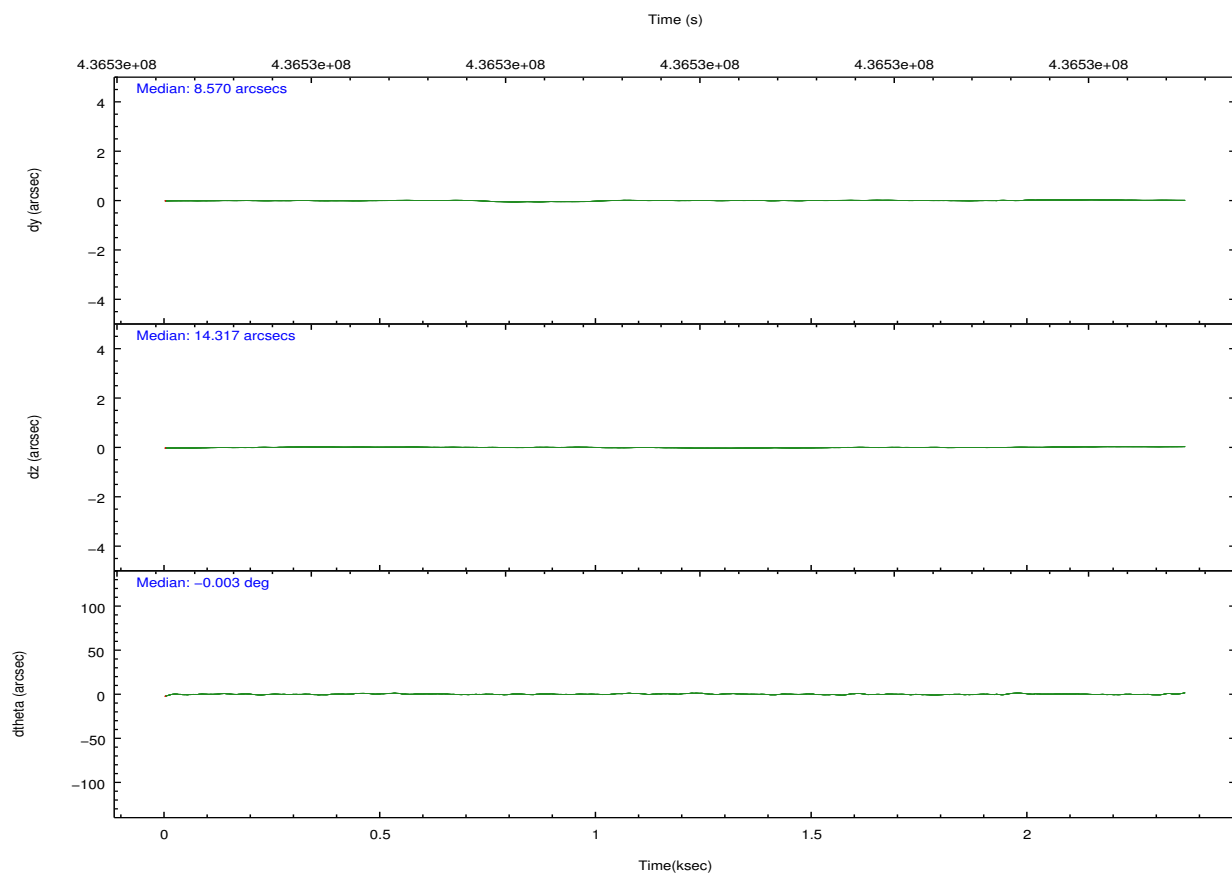
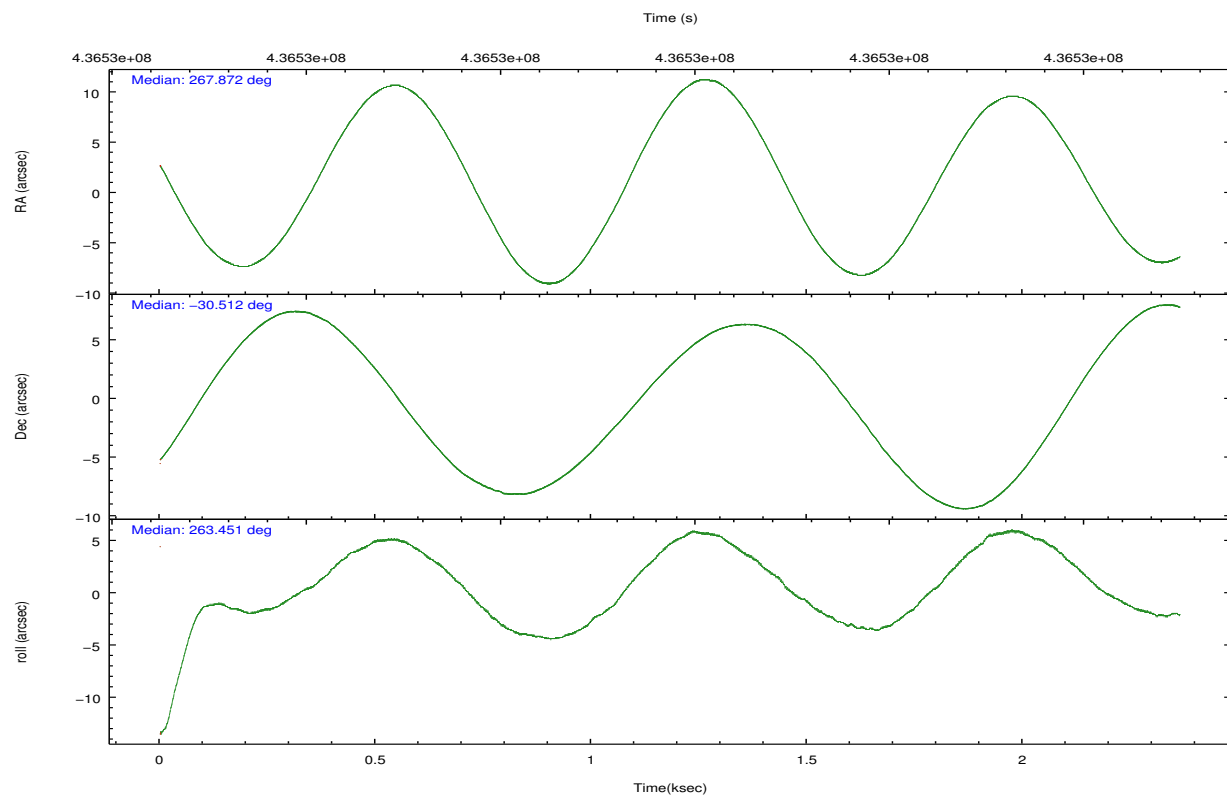
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	699	746	711	721
	6%	6%	6%	6%
grade 1 events	6	9	6	8
	0%	0%	0%	0%
grade 2 events	351	383	374	314
	3%	3%	3%	2%
grade 3 events	139	152	139	138
	1%	1%	1%	1%
grade 4 events	139	152	147	139
	1%	1%	1%	1%
grade 5 events	497	533	498	604
	4%	4%	4%	5%
grade 6 events	298	283	279	272
	2%	2%	2%	2%
grade 7 events	8932	8594	9547	9629
	80%	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	267.859534	267.8722177266246	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.486929	-30.51194614566646	Alternating exposures requested	N	N
[deg] Pointing Roll	263.237483	263.452526311271	[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)	436526939.184000	436526562.6572			
Observation start date	2011-11-01T09:27:53	2011-11-01T09:22:42			
[s] Observation end time (MET)	436529119.184000	436529252.76984			
Observation end date	2011-11-01T10:04:13	2011-11-01T10:07:32			
Read mode	TIMED	TIMED			

2.3 Aspect



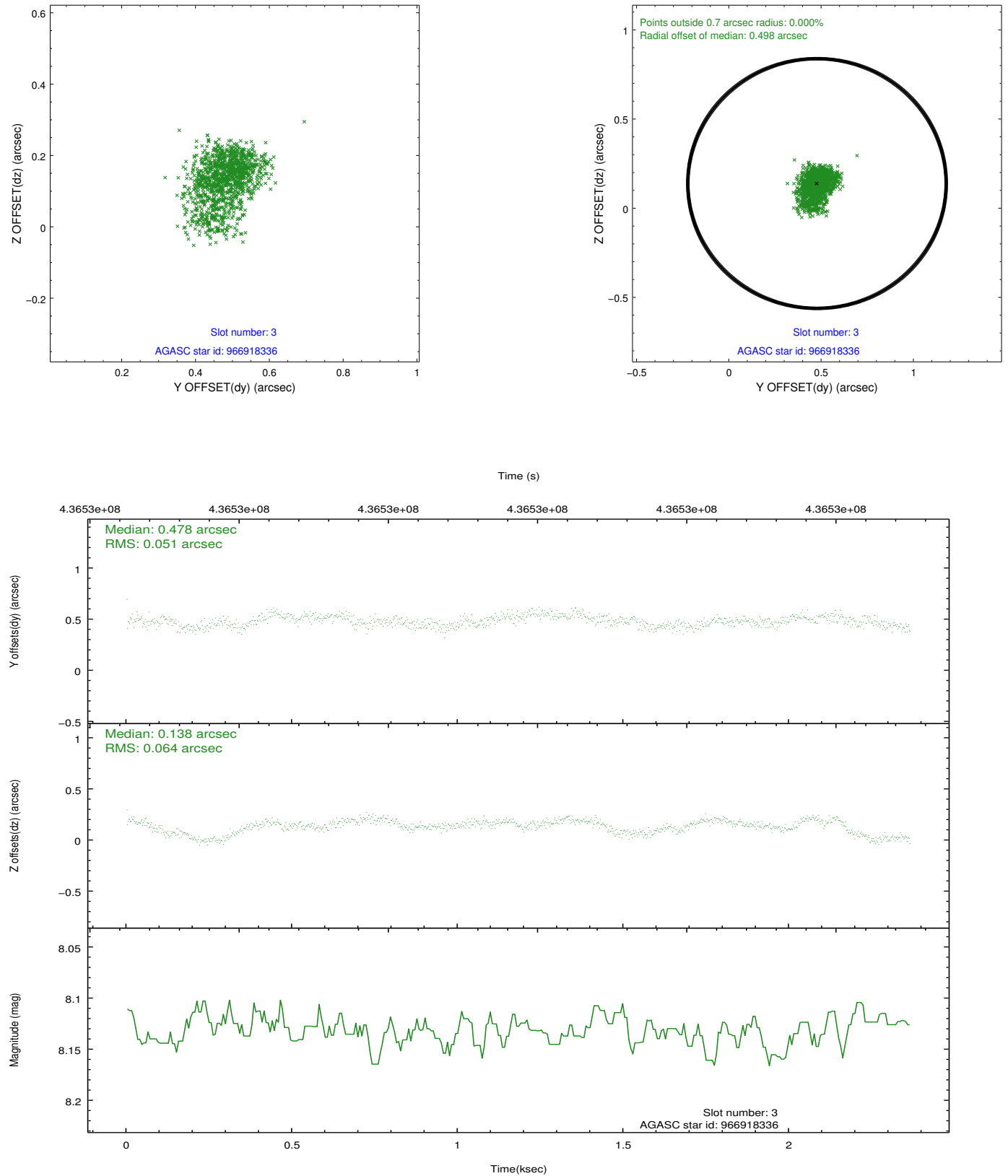


Slot Statistics

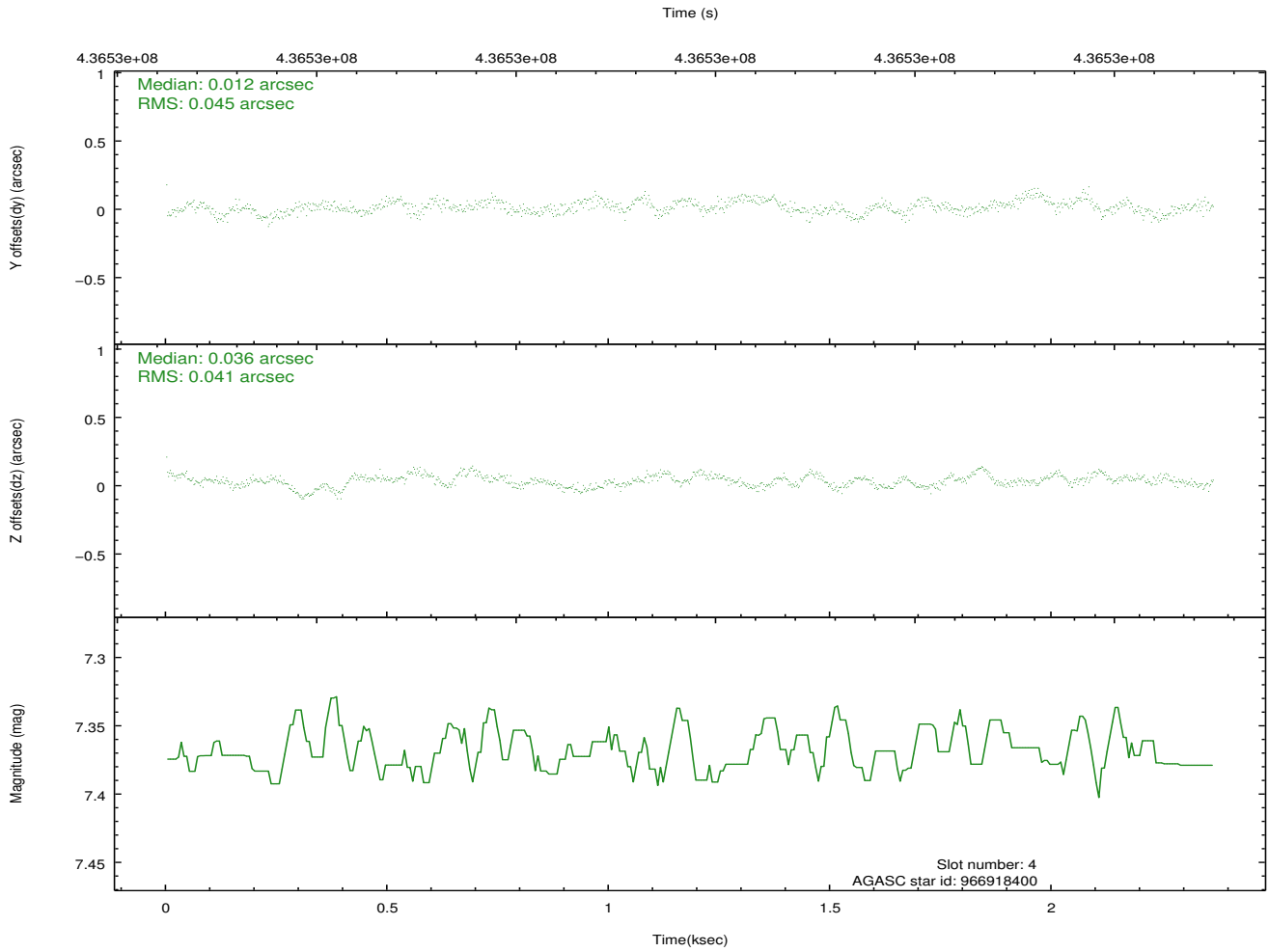
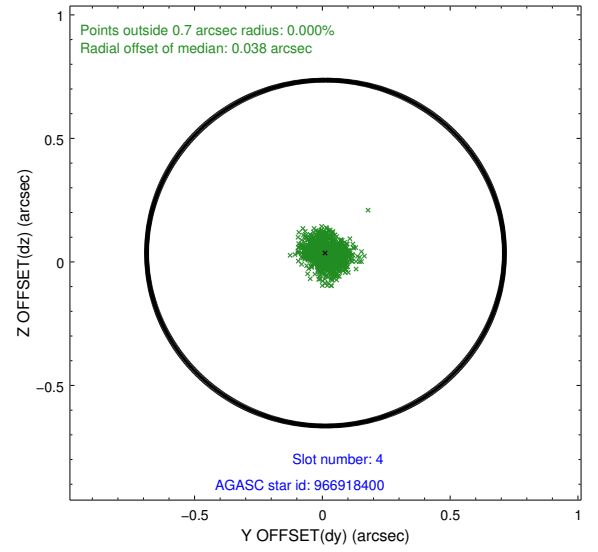
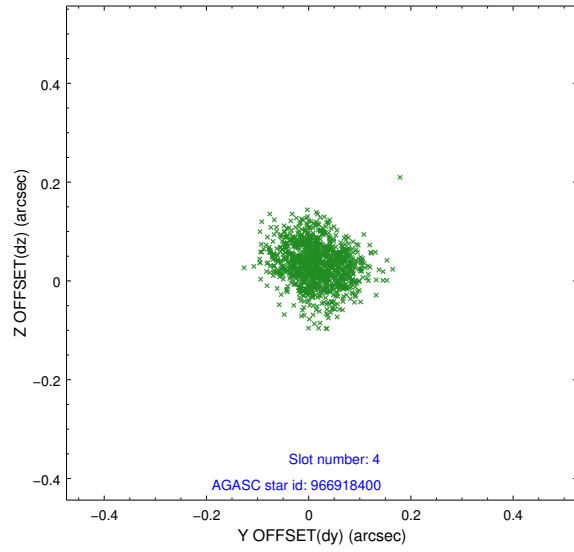
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	577	0.079	-0.046	0.006	0.010	0.000000	0.000000	931.16	-837.94
1	FID	ACIS-I-5	7.01	577	-0.239	0.073	0.006	0.012	0.000000	0.000000	-1815.77	1058.26
2	FID	ACIS-I-6	7.01	576	0.068	0.043	0.006	0.011	0.000000	0.000000	393.67	1705.88
3	GUIDE	966918336	8.13	1154	0.478	0.138	0.085	0.145	267.709998	-30.955430	1731.15	-258.89
4	GUIDE	966918400	7.37	1154	0.012	0.036	0.065	0.104	267.537101	-30.960086	1812.81	-787.13
5	GUIDE	896543792	9.81	1152	-0.172	-0.038	0.189	0.319	267.148052	-29.957989	-1620.21	-2427.15
6	GUIDE	898248800	8.22	1154	-0.216	-0.074	0.071	0.118	267.977609	-29.931731	-2028.49	129.01
7	GUIDE	966926496	8.12	1153	-0.106	-0.053	0.076	0.117	267.109389	-30.299474	-388.43	-2393.61

2.4 Star Slots

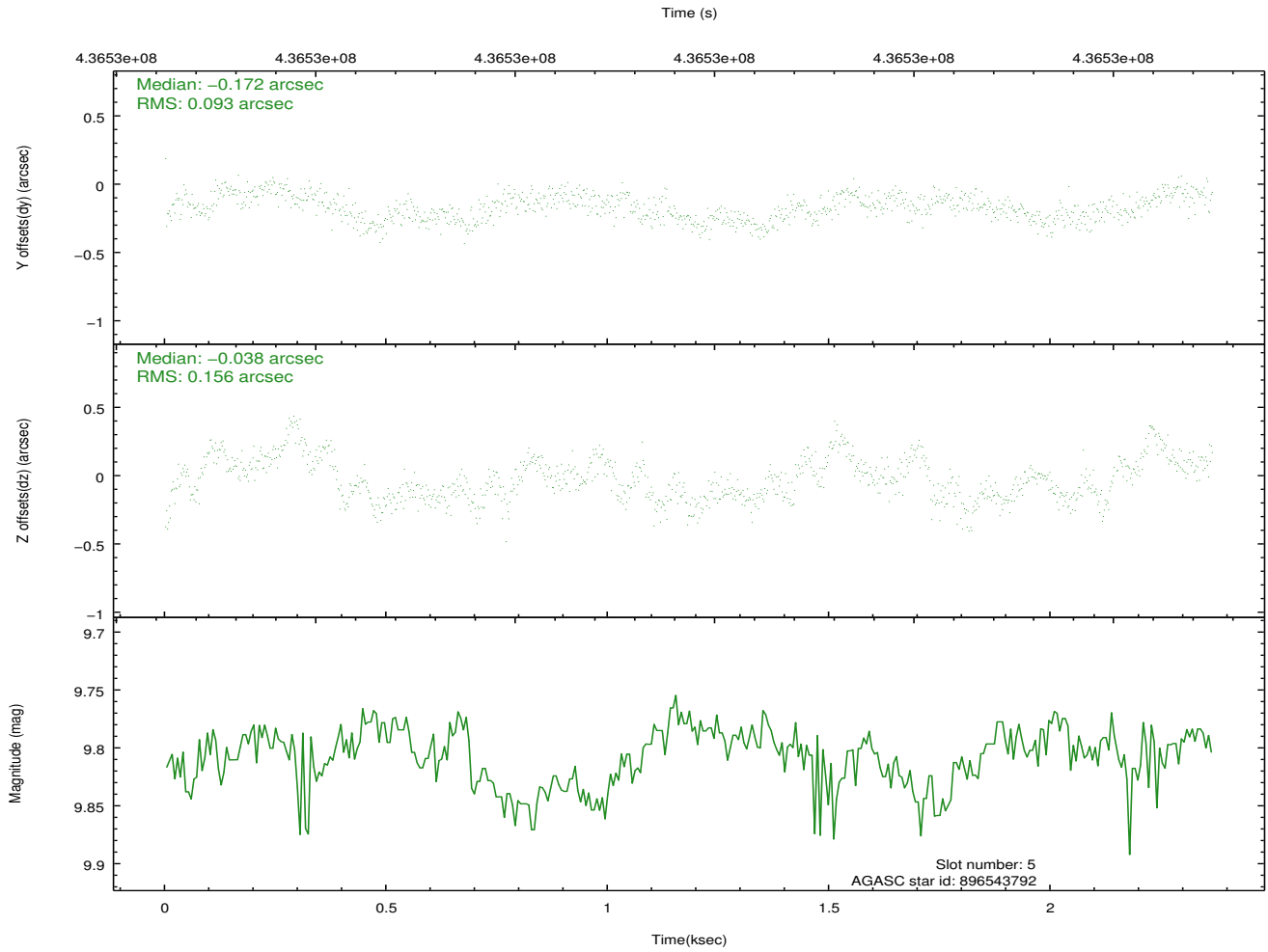
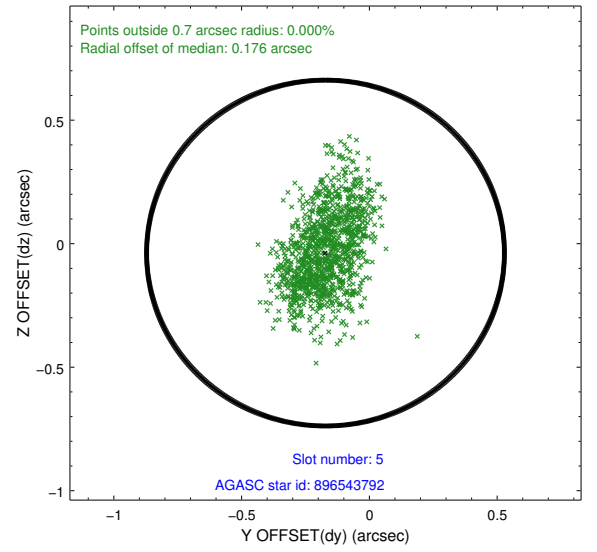
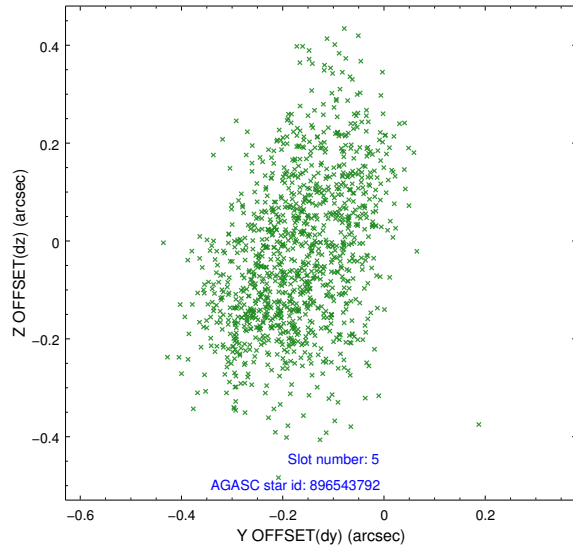
2.4.1 Slot 3



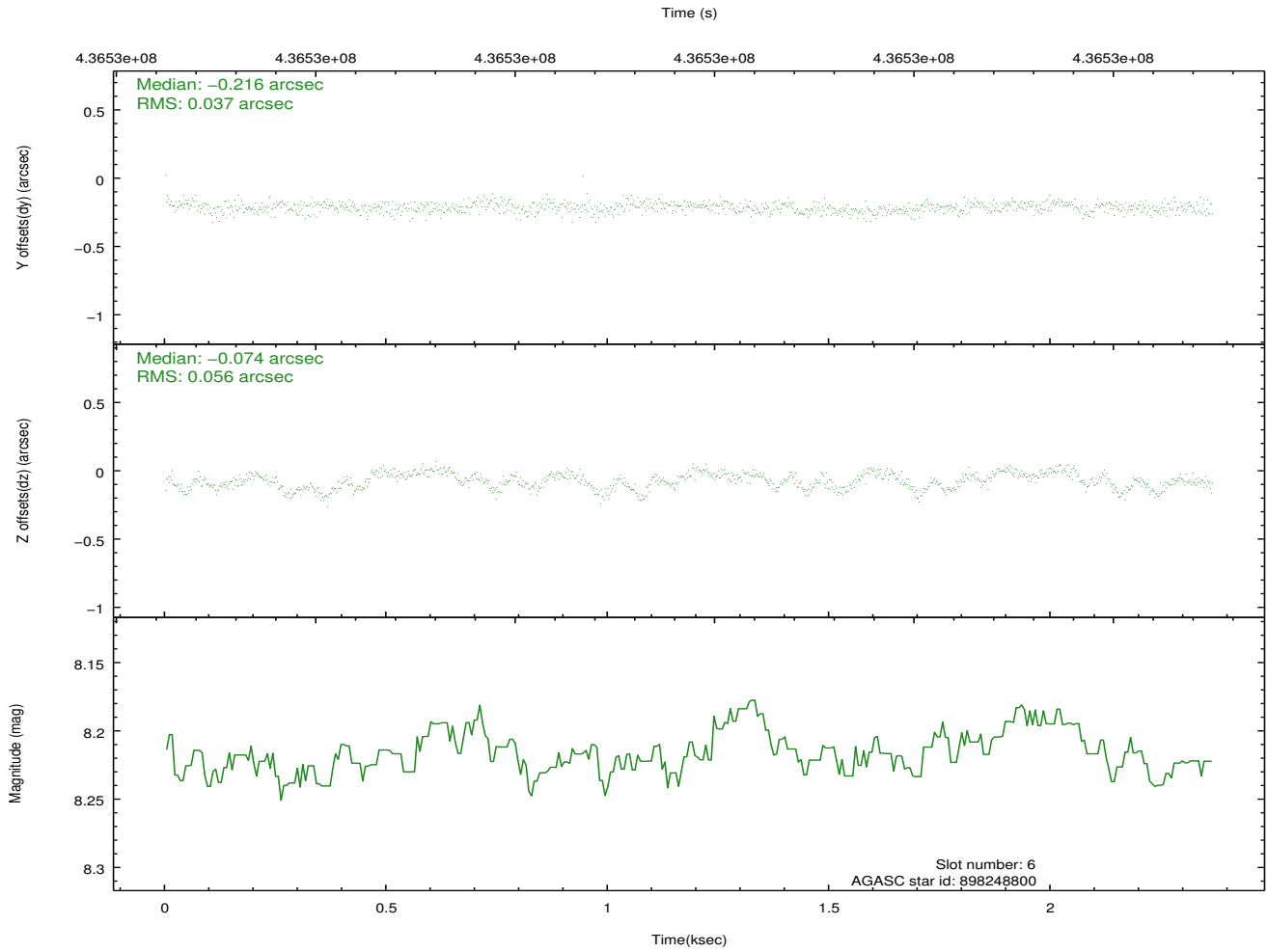
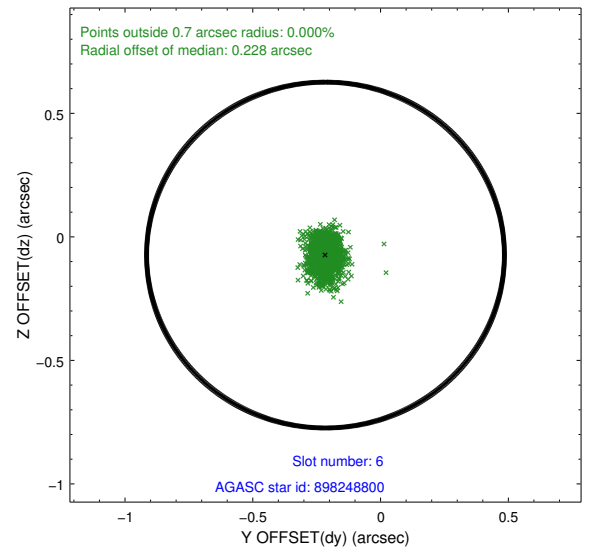
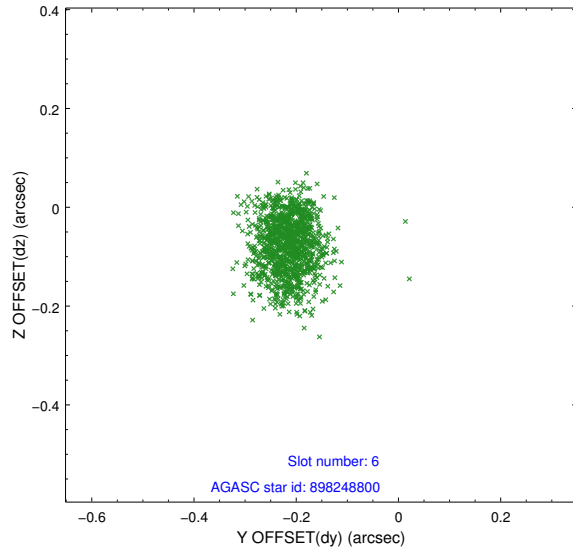
2.4.2 Slot 4



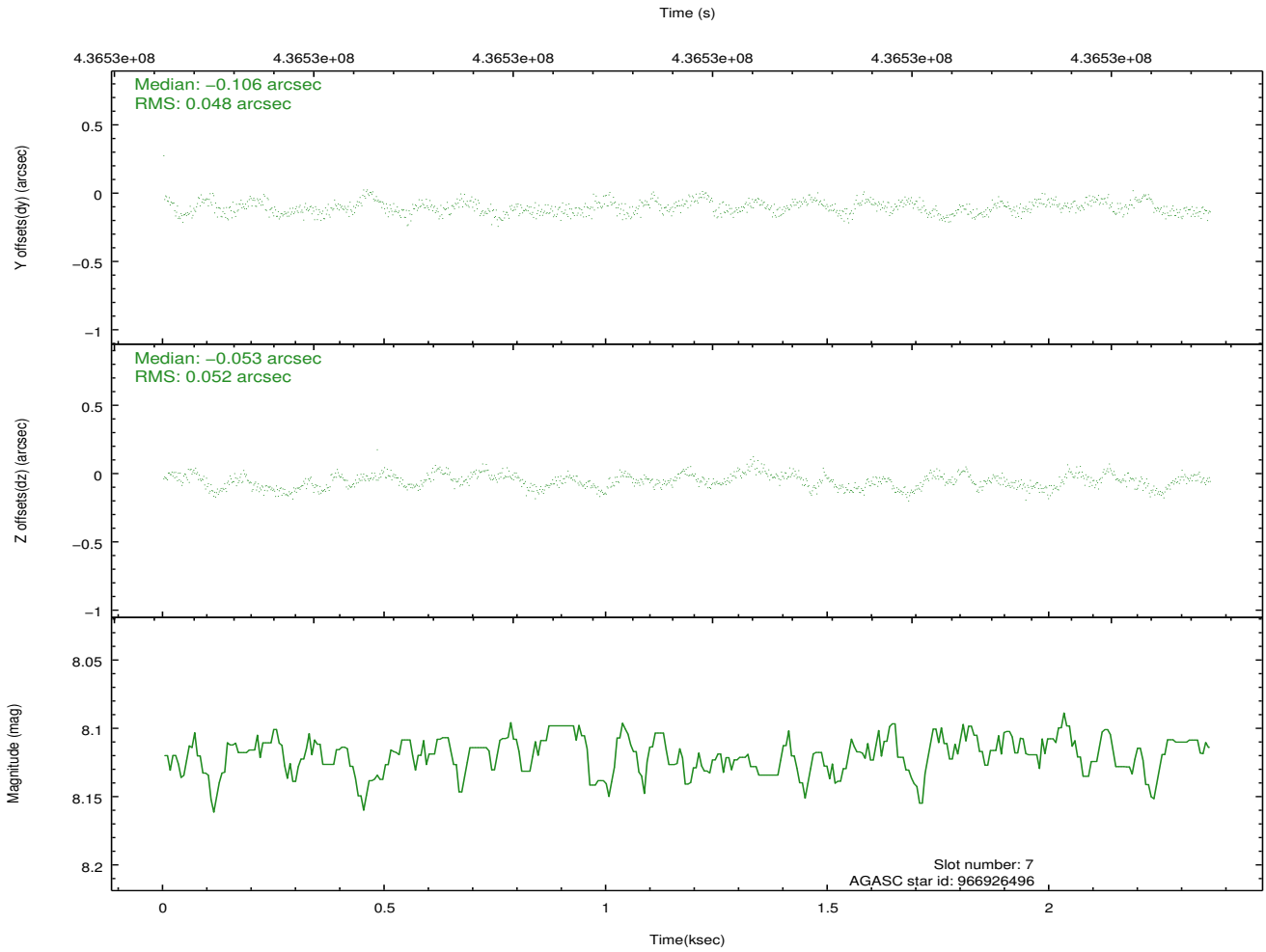
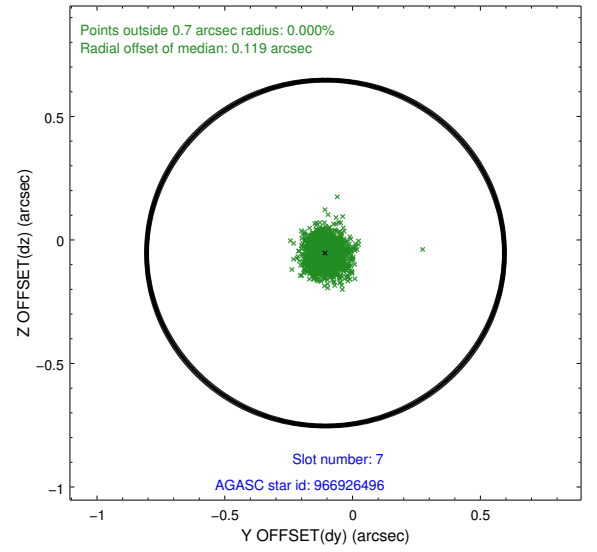
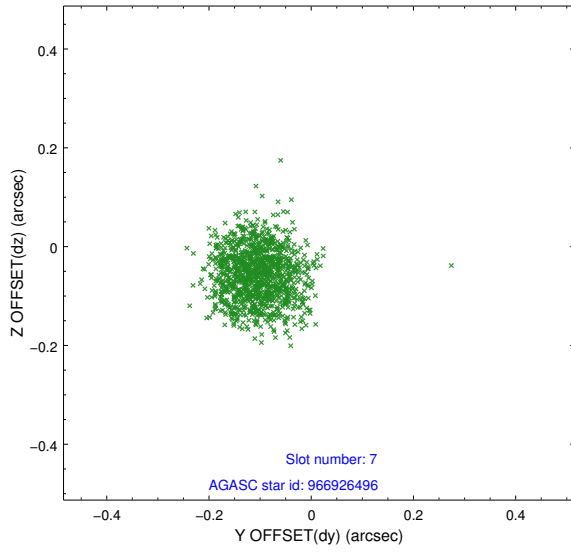
2.4.3 Slot 5



2.4.4 Slot 6

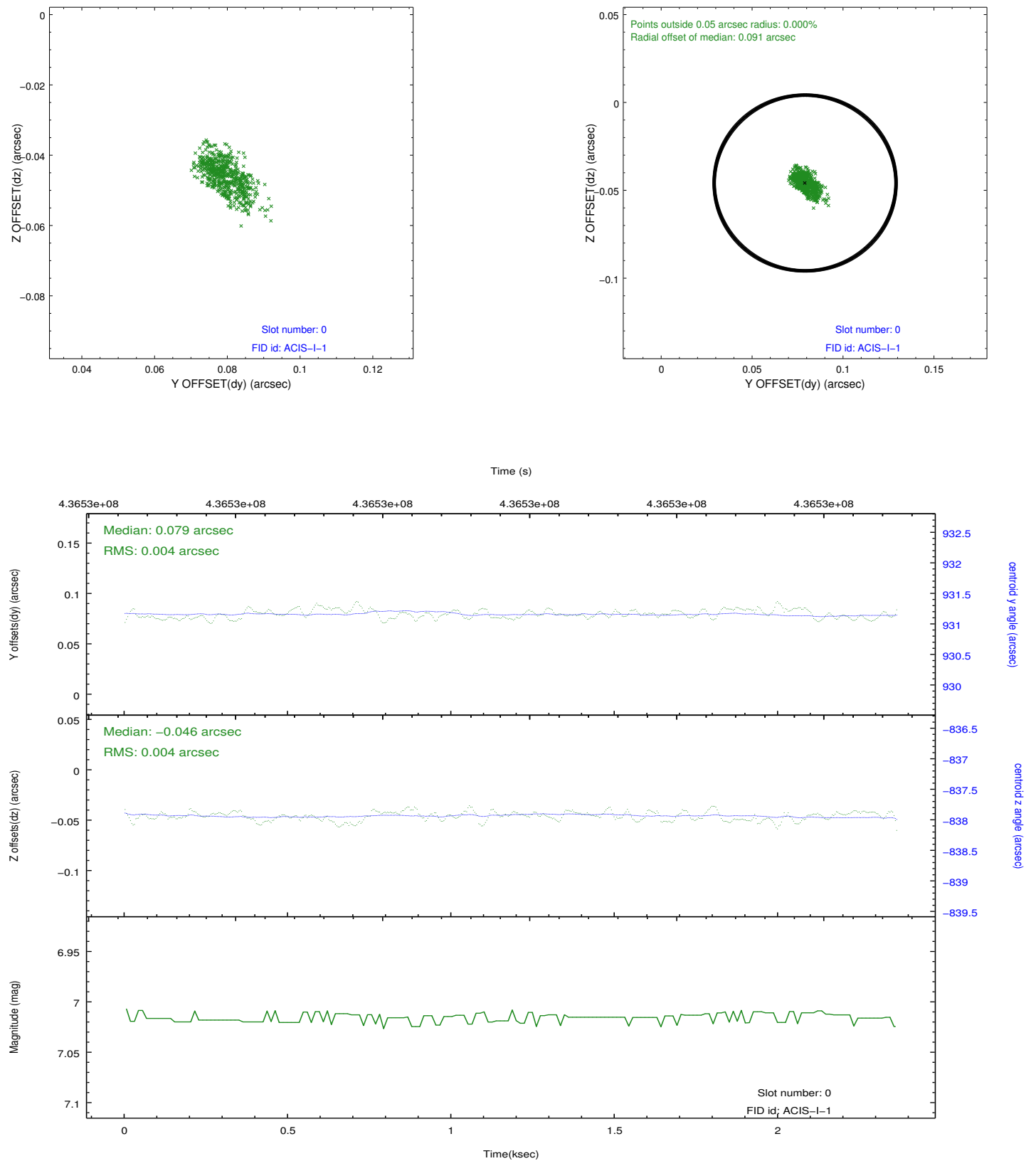


2.4.5 Slot 7

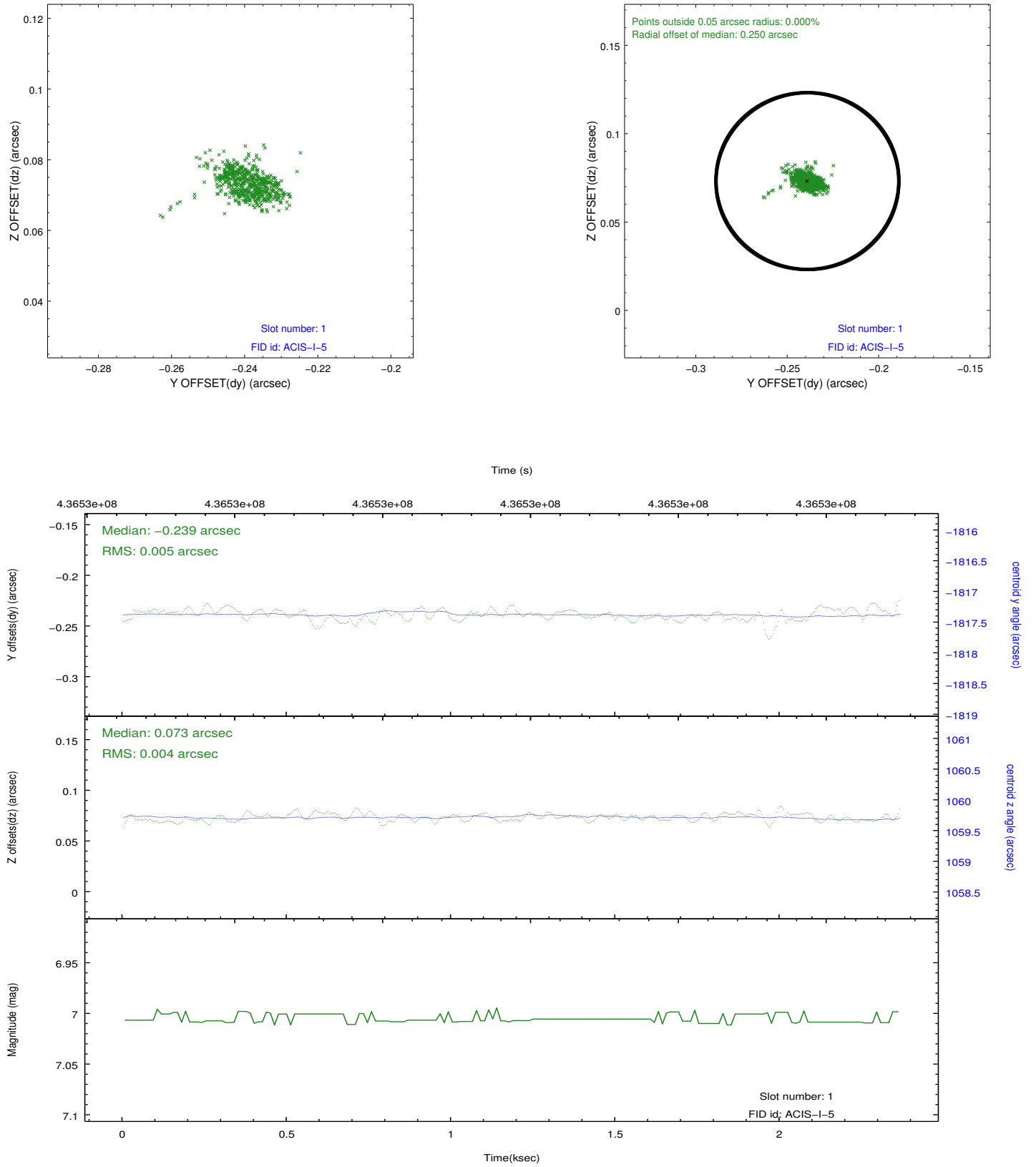


2.5 FID Slots

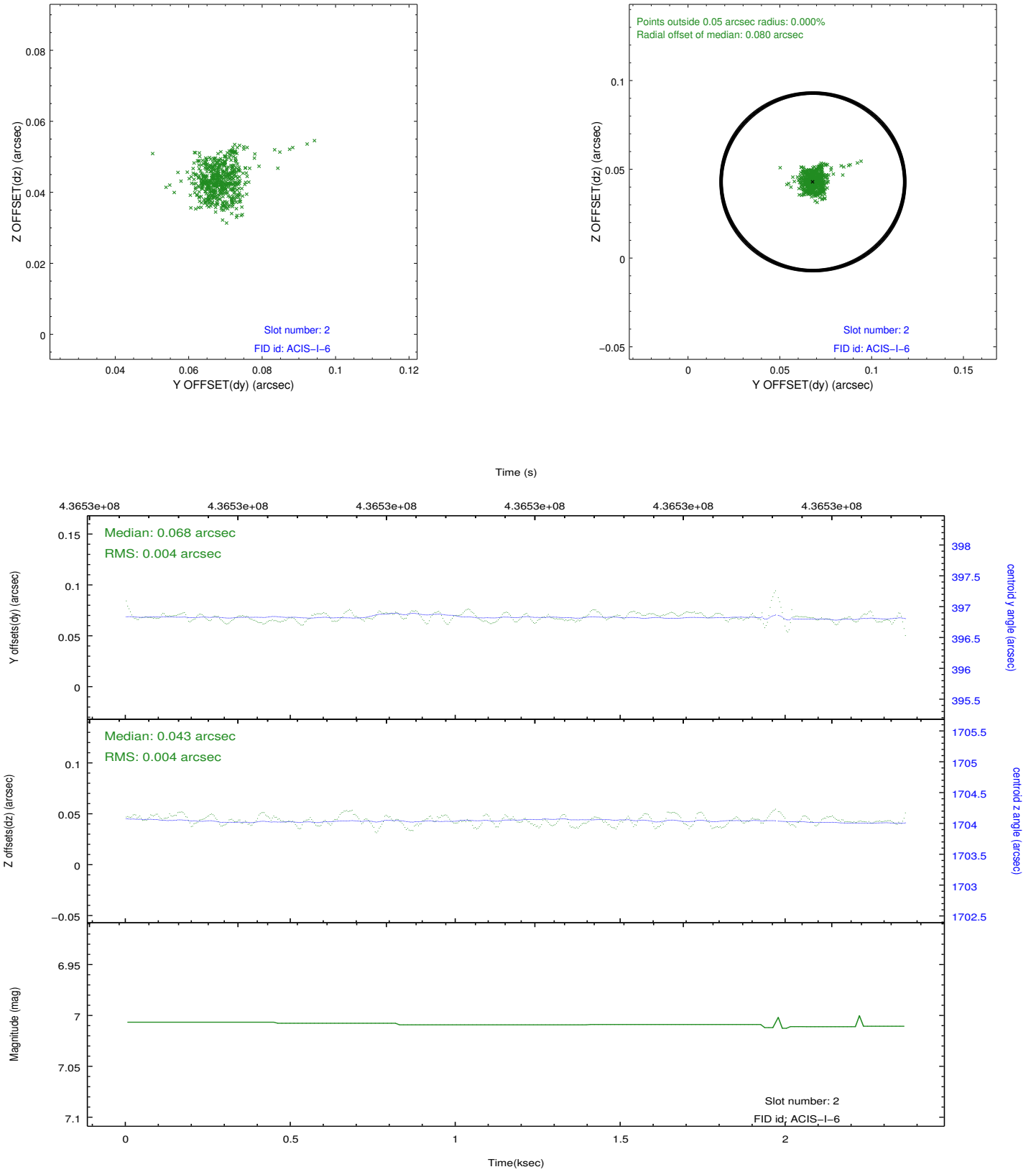
2.5.1 Slot 0



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	1.9734372576475

A.2 Comments

Joint Proposal: NOAO