

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13570 - L2 Version 2
Chandra X-Ray Center

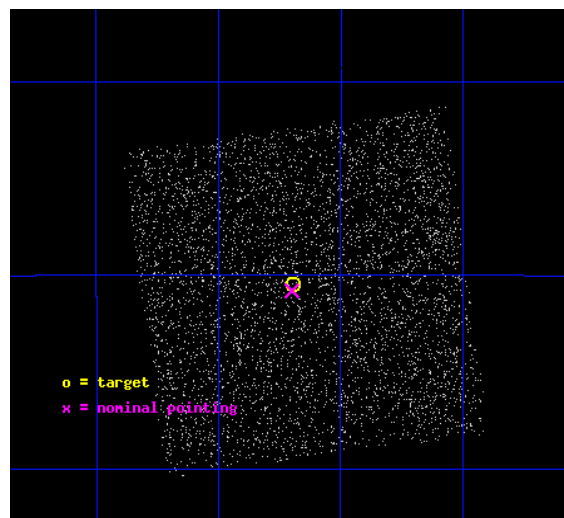
L2 Processing Date : Feb 25 2012

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

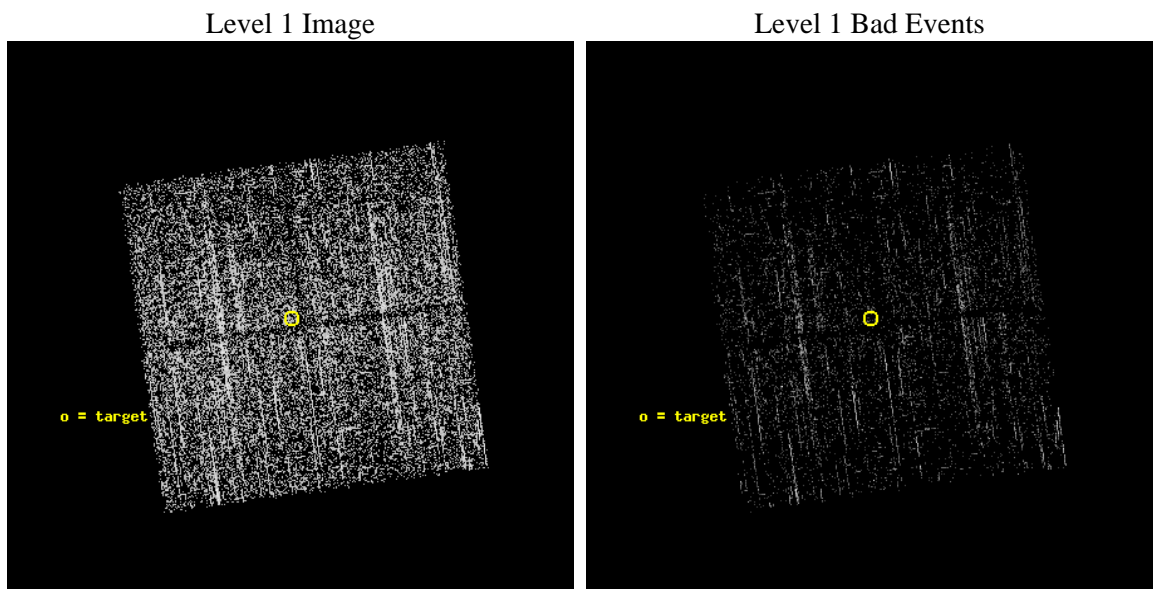
seq_num	401346	Sequence number
obs_id	13570	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.173197	Observer's specified target RA [deg]
dec_targ	-31.50799	Observer's specified target Dec [deg]
ra_nom	267.17499731855	Nominal RA [deg]
dec_nom	-31.513489630196	Nominal Dec [deg]
roll_nom	262.1093170774	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	4940	Number of level 2 events



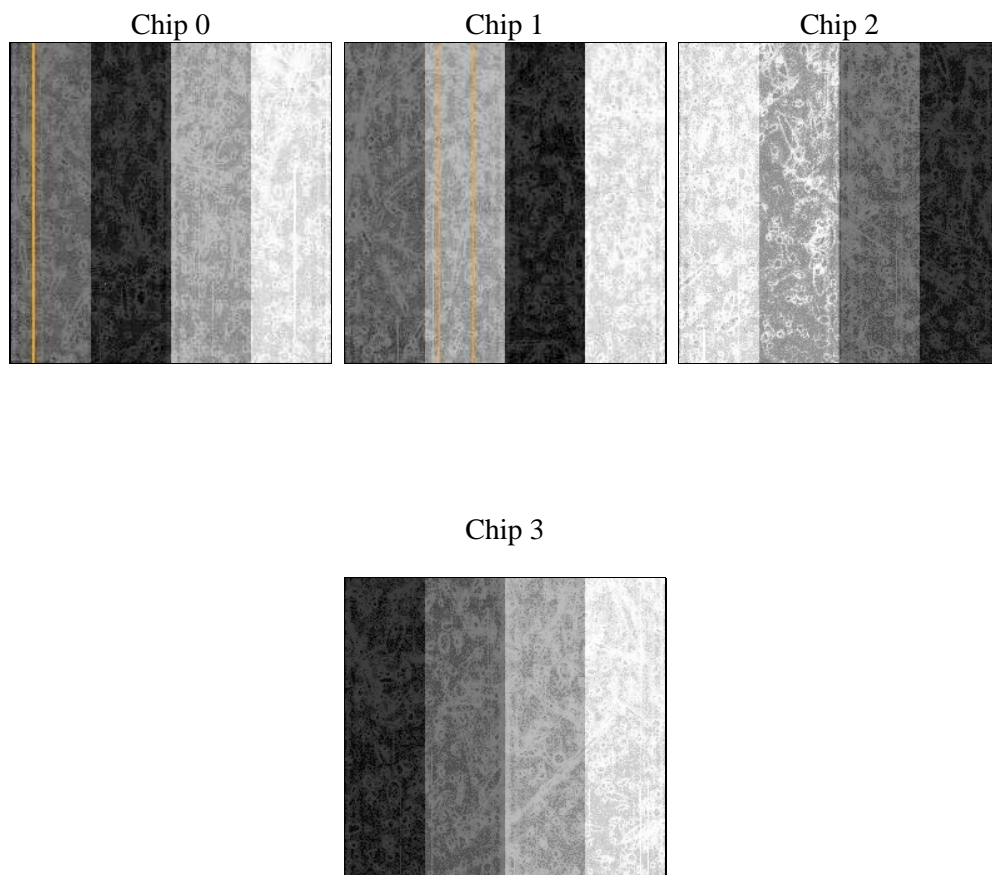
2 OBI

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	2012-02-26T01:19:27	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	44817	Number of level 1 events

2.1.4 Events

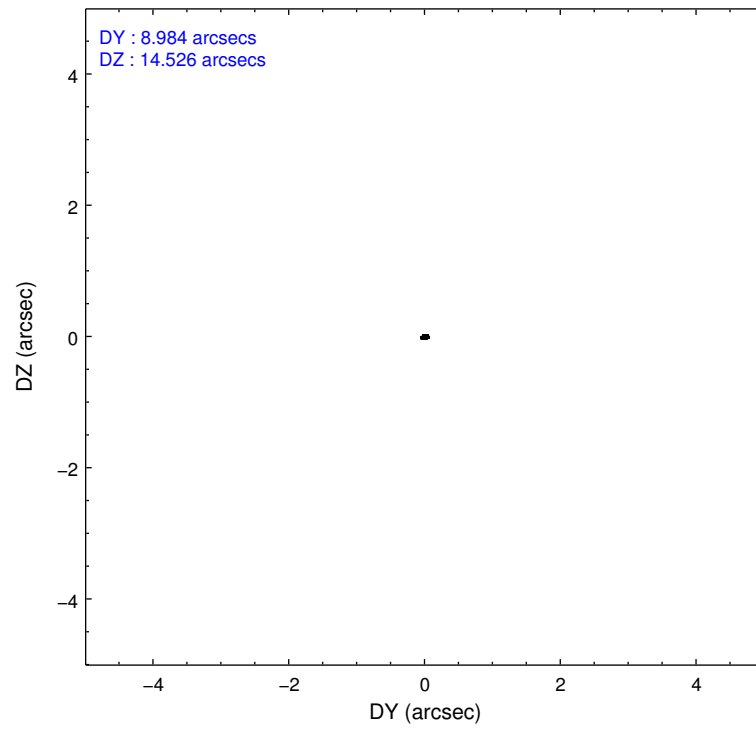
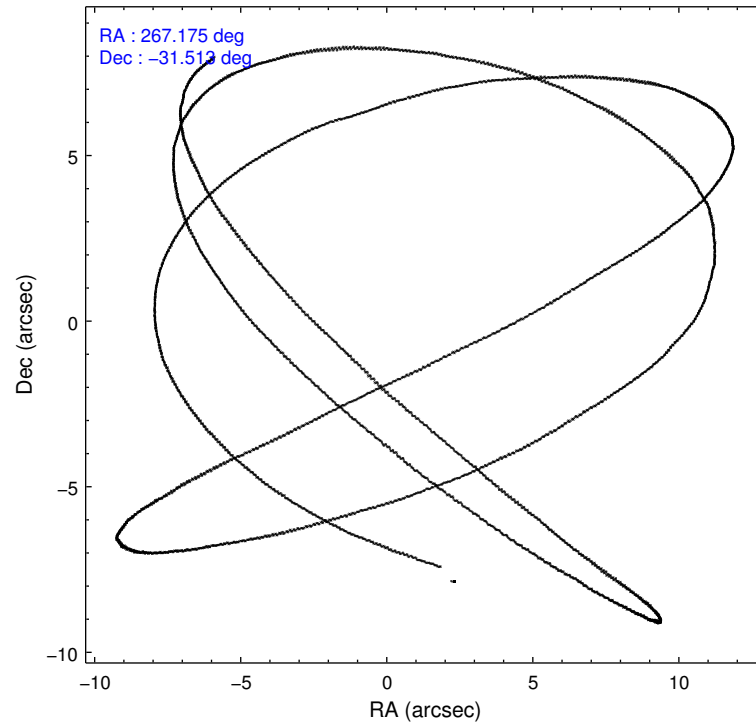
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11105	10862	12346	10504
rejected events	9657	9261	10930	9126
rejected %	86%	85%	88%	86%

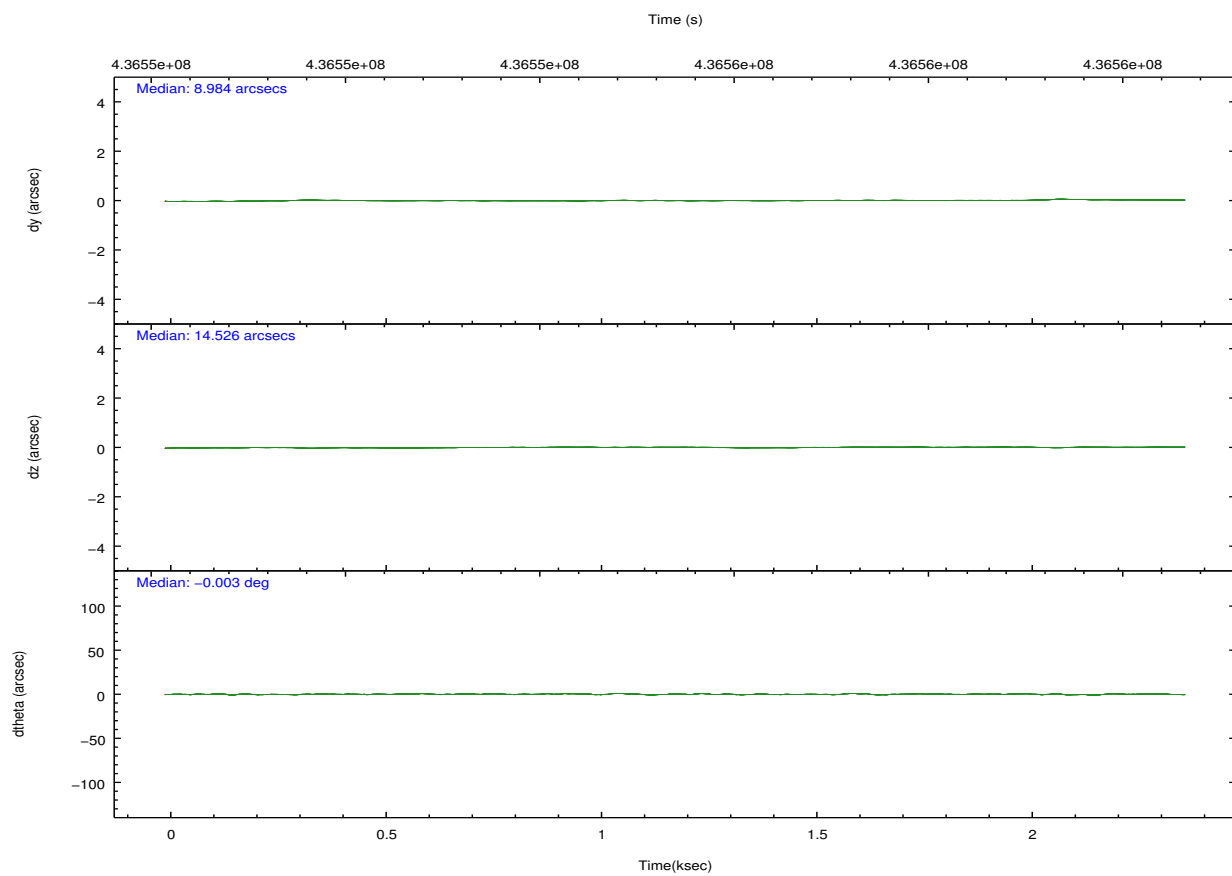
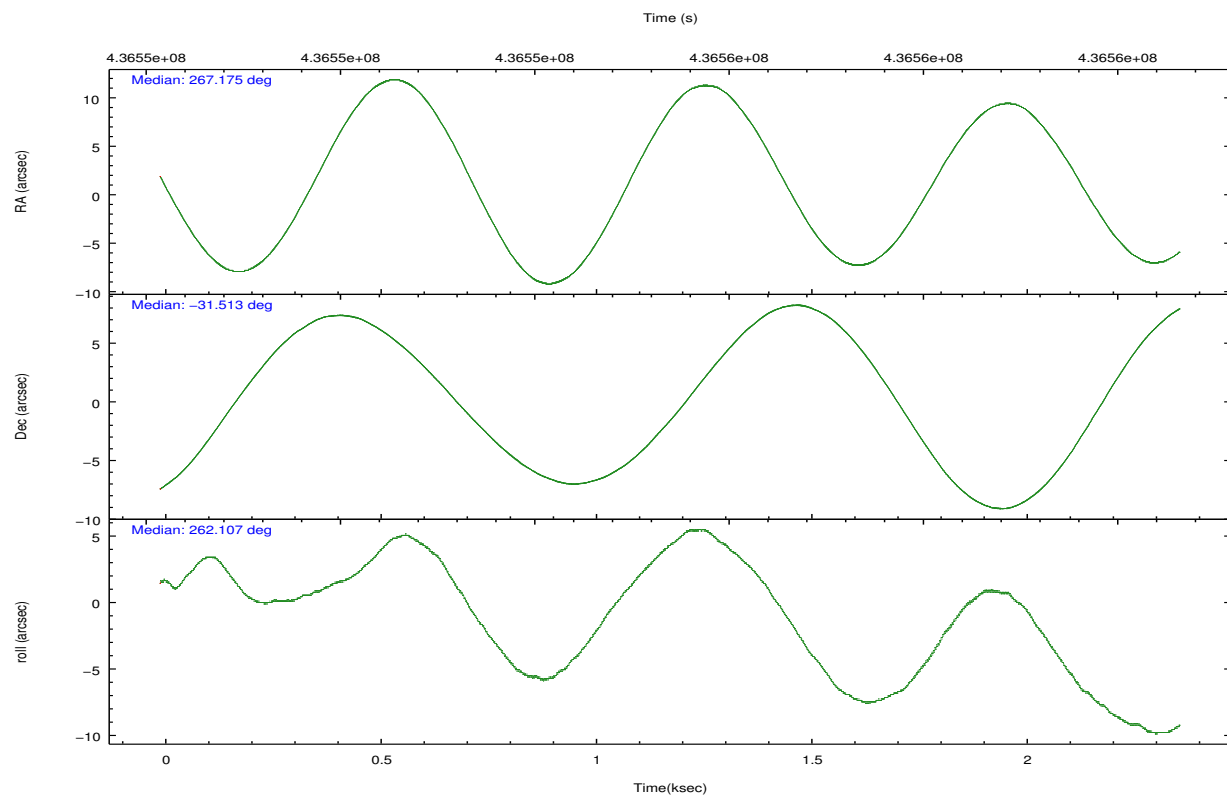
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	526	589	540	554
	4%	5%	4%	5%
grade 1 events	4	4	8	9
	0%	0%	0%	0%
grade 2 events	365	364	344	282
	3%	3%	2%	2%
grade 3 events	146	146	136	146
	1%	1%	1%	1%
grade 4 events	152	167	142	133
	1%	1%	1%	1%
grade 5 events	545	506	483	552
	4%	4%	3%	5%
grade 6 events	262	339	256	274
	2%	3%	2%	2%
grade 7 events	9105	8747	10437	8554
	81%	80%	84%	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	267.162904	267.1749973185539	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.488051	-31.51348963019643	Alternating exposures requested	N	N
[deg] Pointing Roll	261.894321	262.1093170773962	[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)	436553839.184000	436553462.75861			
Observation start date	2011-11-01T16:56:13	2011-11-01T16:51:02			
[s] Observation end time (MET)	436556019.184000	436556153.38376			
Observation end date	2011-11-01T17:32:33	2011-11-01T17:35:53			
Read mode	TIMED	TIMED			

2.3 Aspect



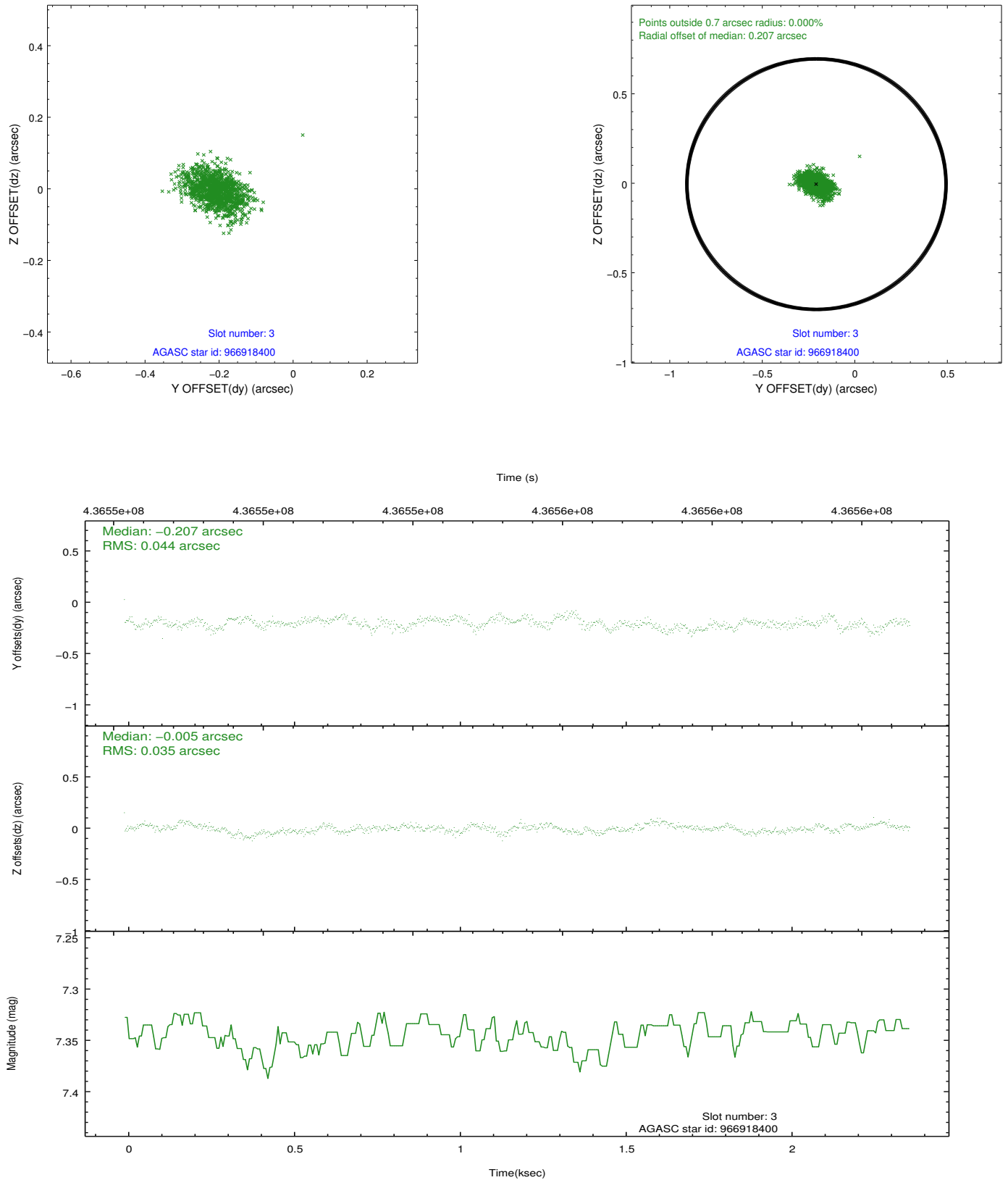


Slot Statistics

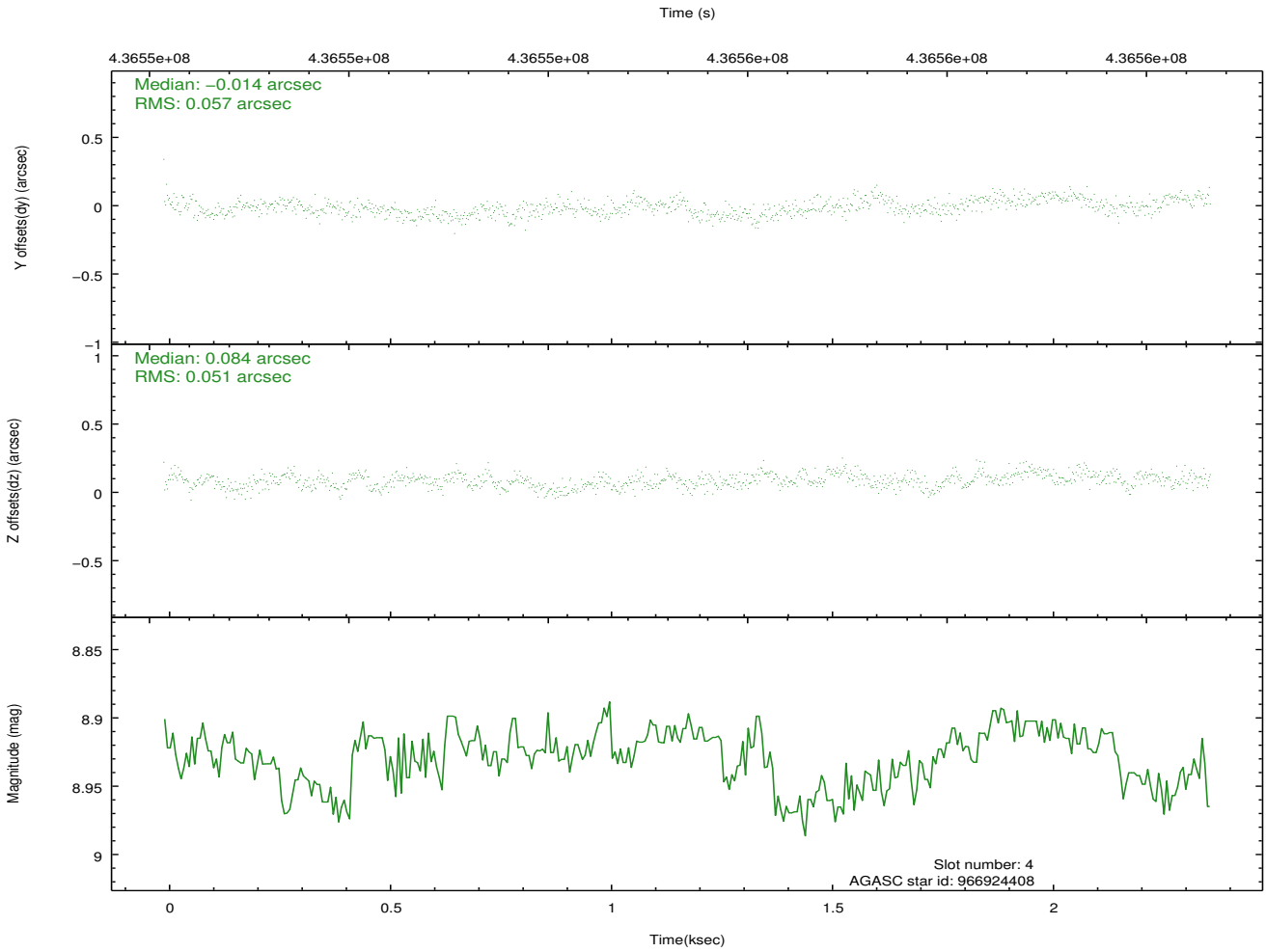
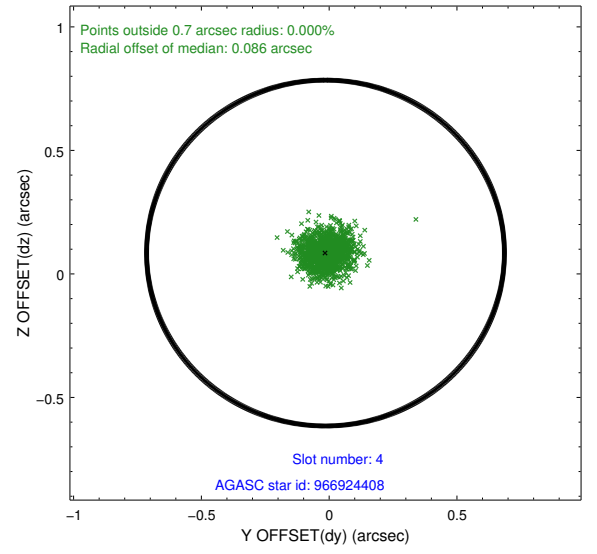
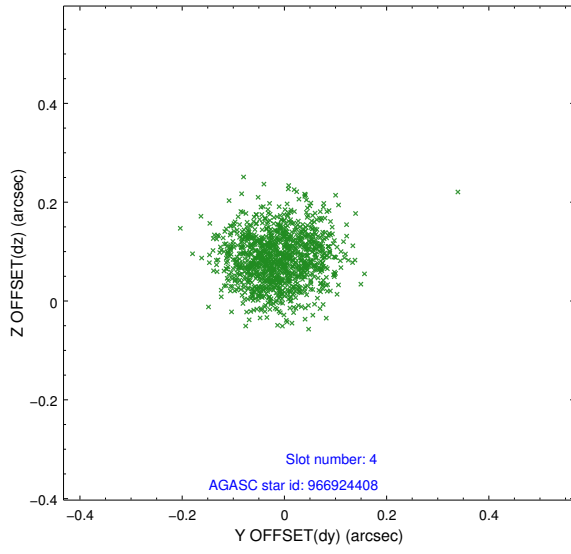
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	578	0.056	-0.012	0.006	0.010	0.000000	0.000000	930.70	-838.12
1	FID	ACIS-I-5	7.01	578	-0.212	0.062	0.006	0.010	0.000000	0.000000	-1816.17	1058.04
2	FID	ACIS-I-6	7.01	578	0.065	0.021	0.006	0.010	0.000000	0.000000	393.25	1705.64
3	GUIDE	966918400	7.34	1156	-0.207	-0.005	0.059	0.100	267.537101	-30.960086	-2042.75	876.49
4	GUIDE	966924408	8.93	1154	-0.014	0.084	0.081	0.130	266.982893	-30.897884	-2026.12	-848.69
5	GUIDE	966927000	8.17	1156	0.016	-0.071	0.067	0.109	267.318997	-31.255021	-899.54	357.13
6	GUIDE	967060832	9.32	1156	-0.058	0.051	0.104	0.162	267.800373	-31.675183	396.41	2030.32
7	GUIDE	967451816	9.25	1151	0.265	-0.053	0.091	0.151	267.266669	-31.901374	1429.78	526.40

2.4 Star Slots

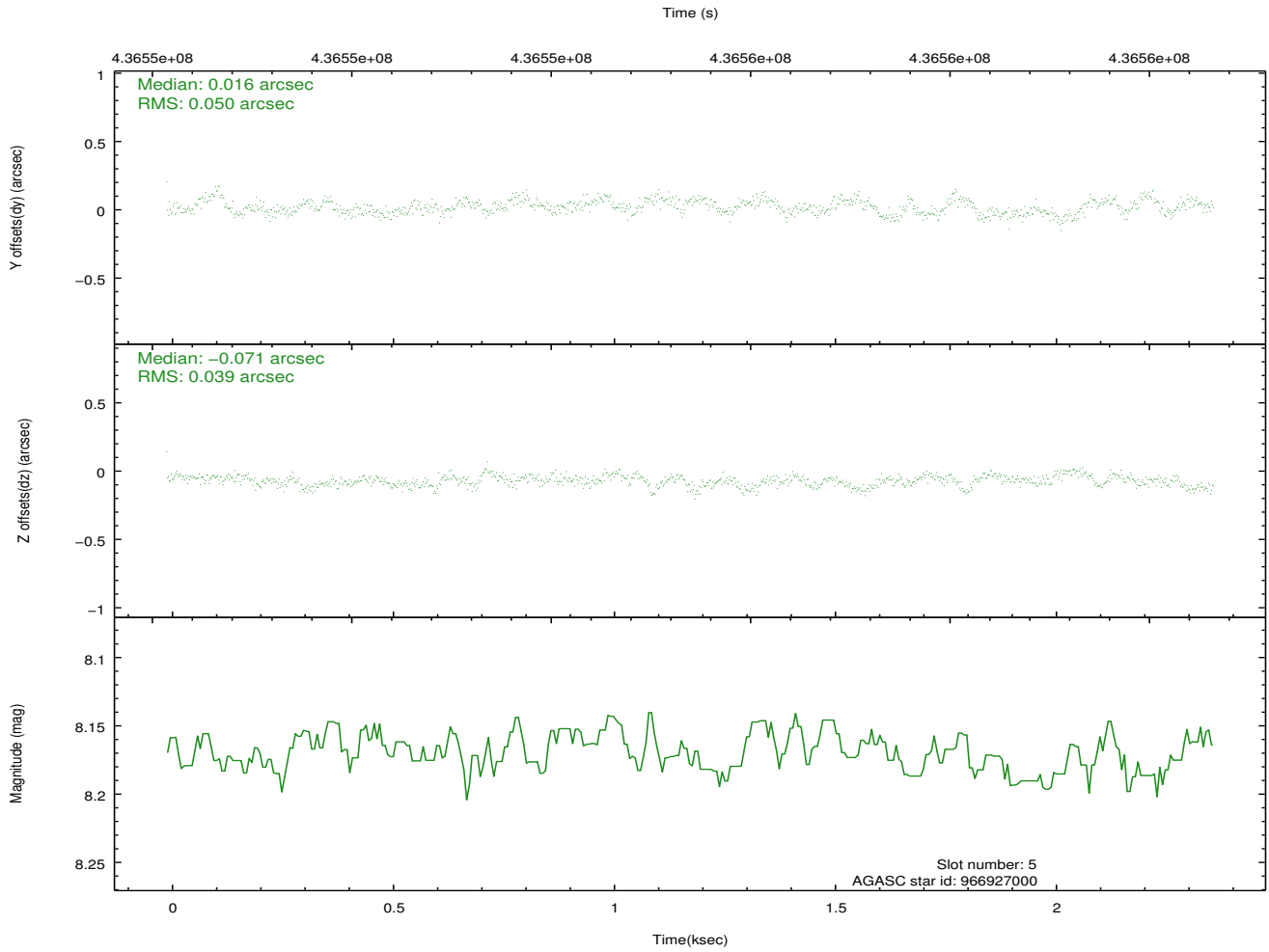
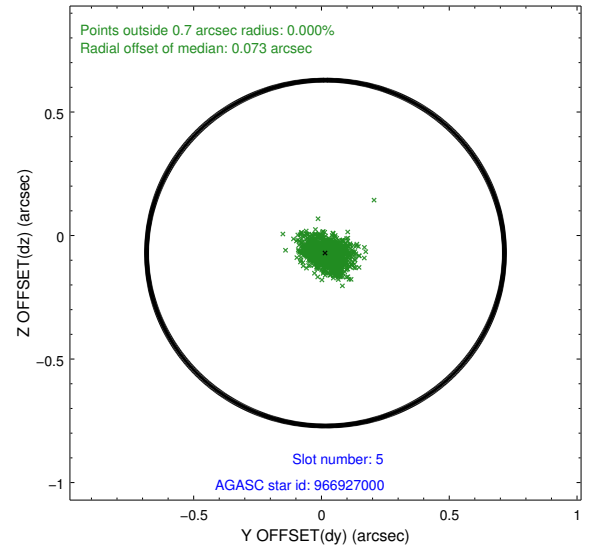
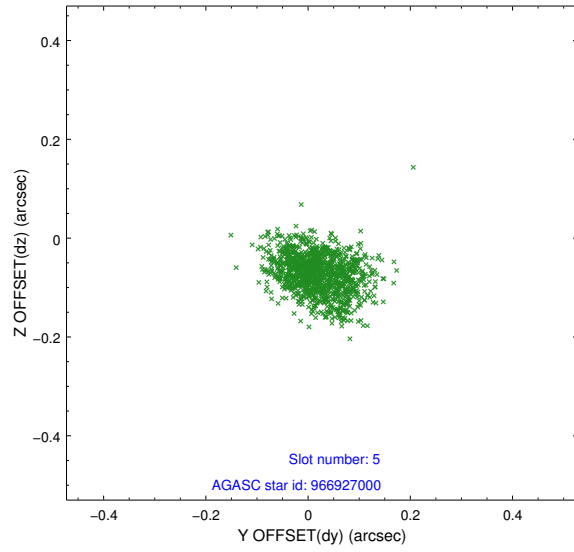
2.4.1 Slot 3



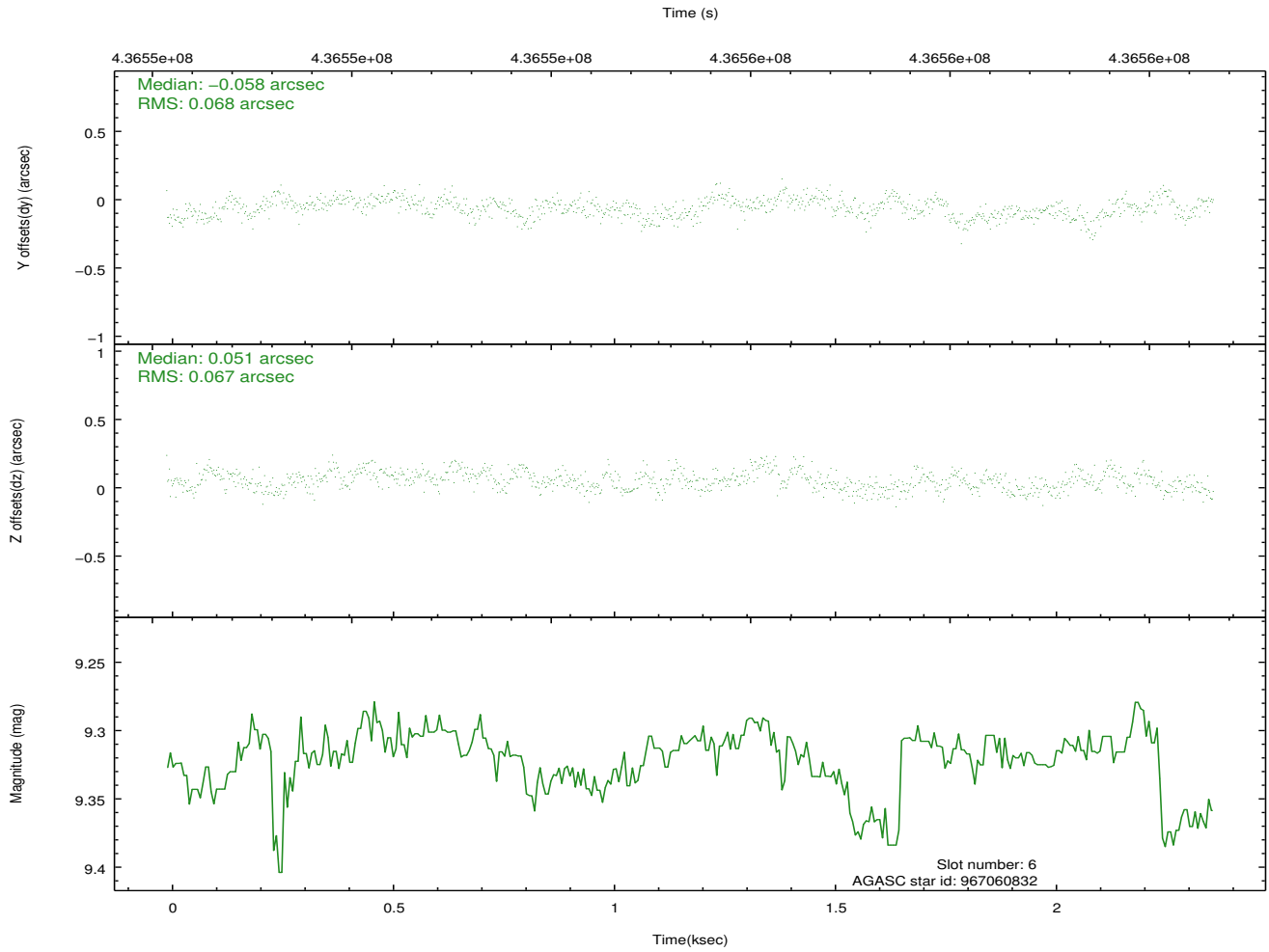
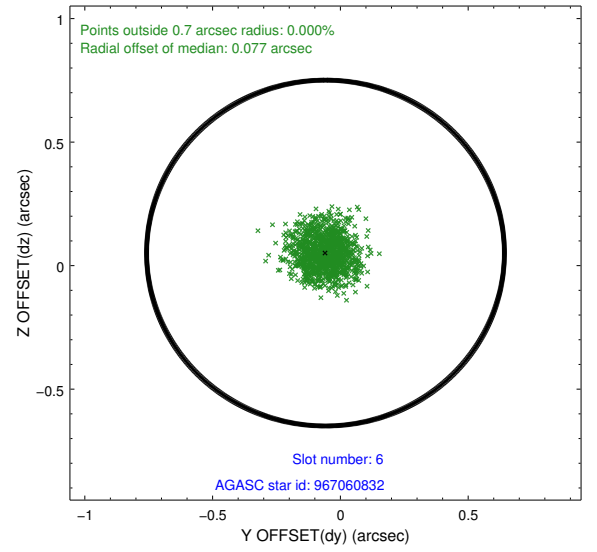
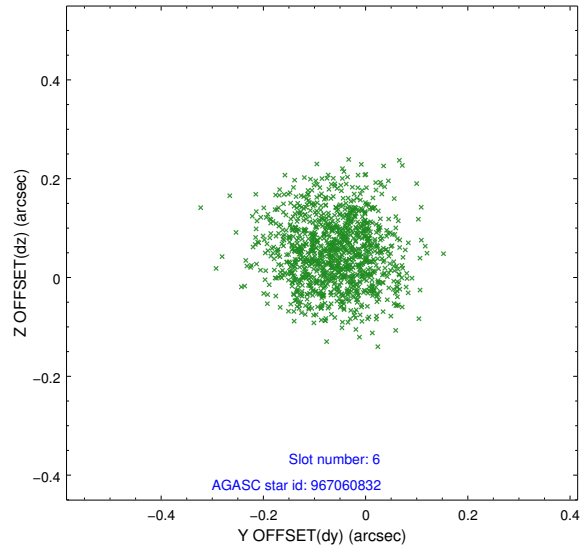
2.4.2 Slot 4



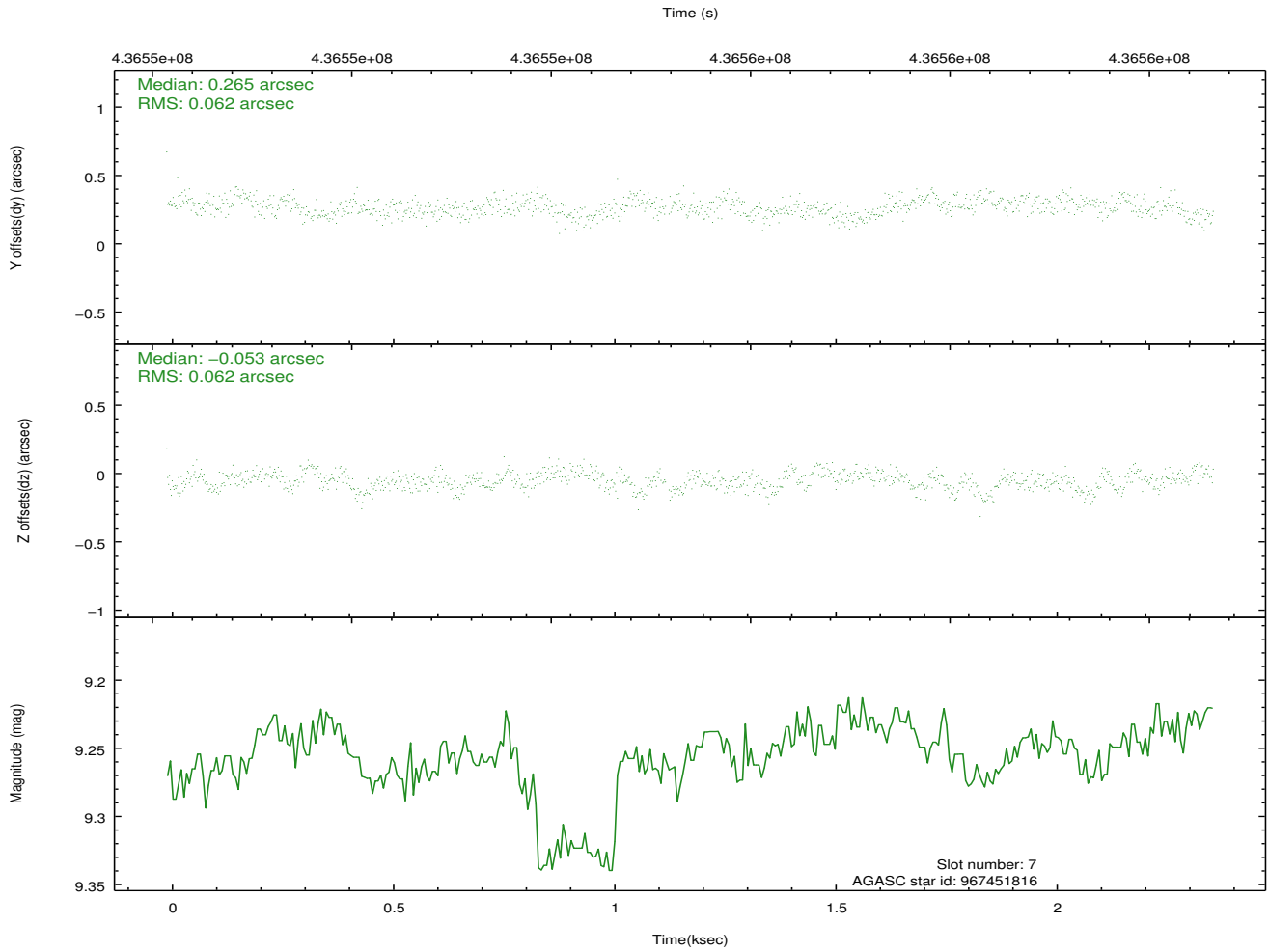
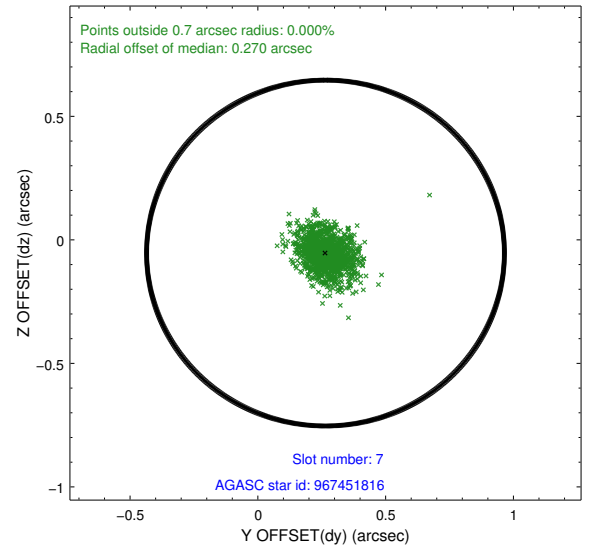
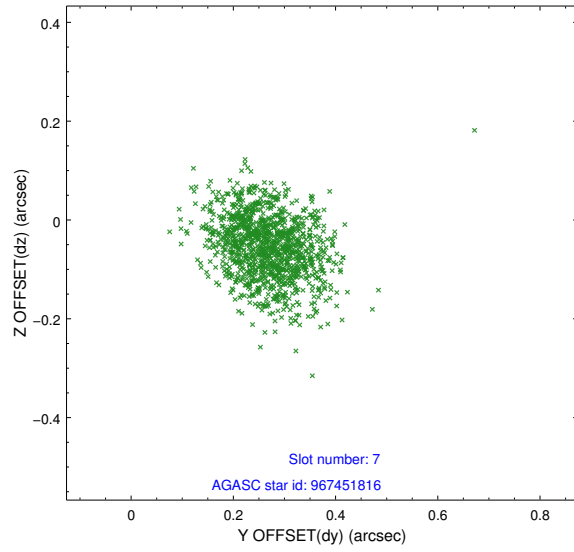
2.4.3 Slot 5



2.4.4 Slot 6

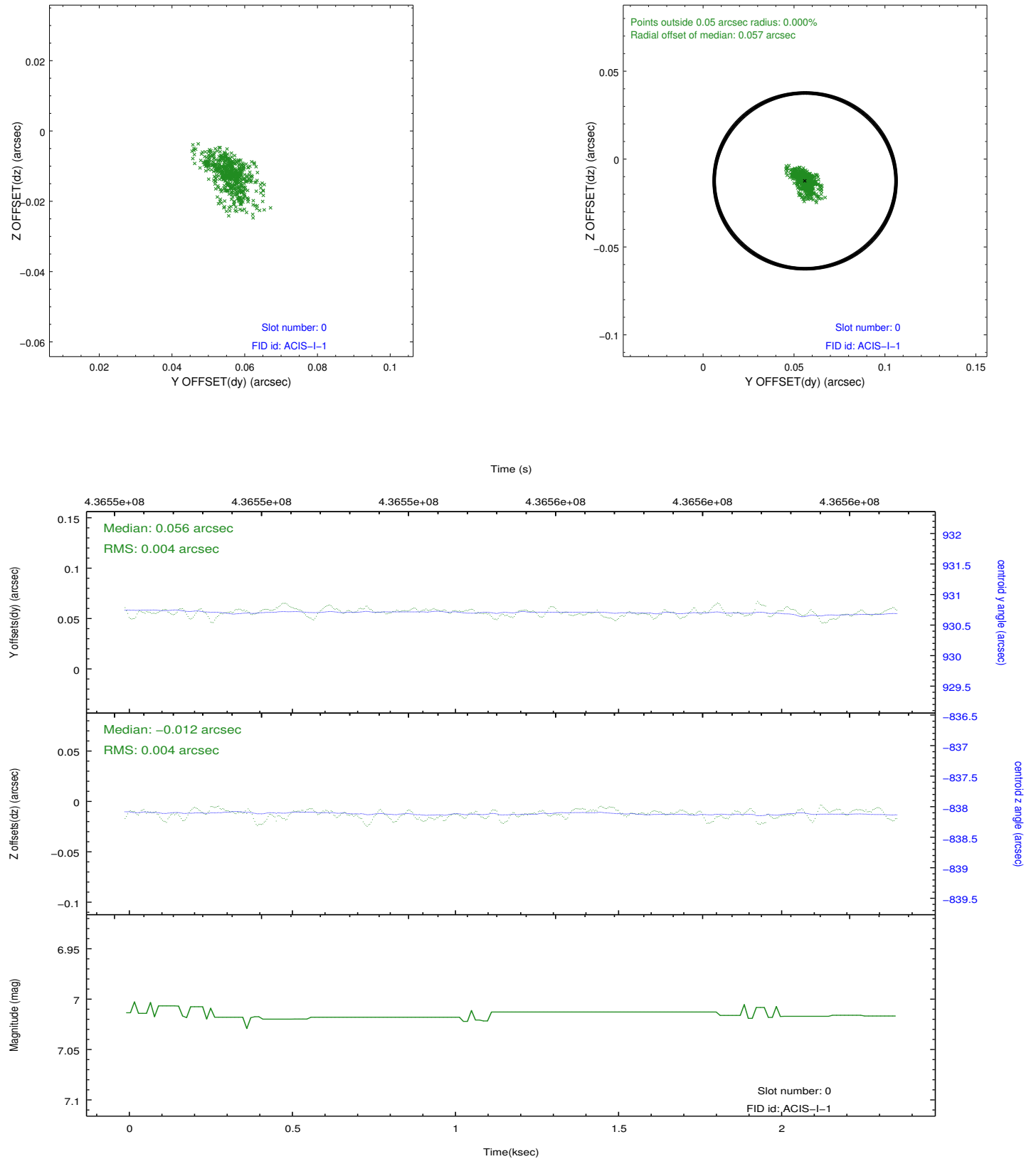


2.4.5 Slot 7

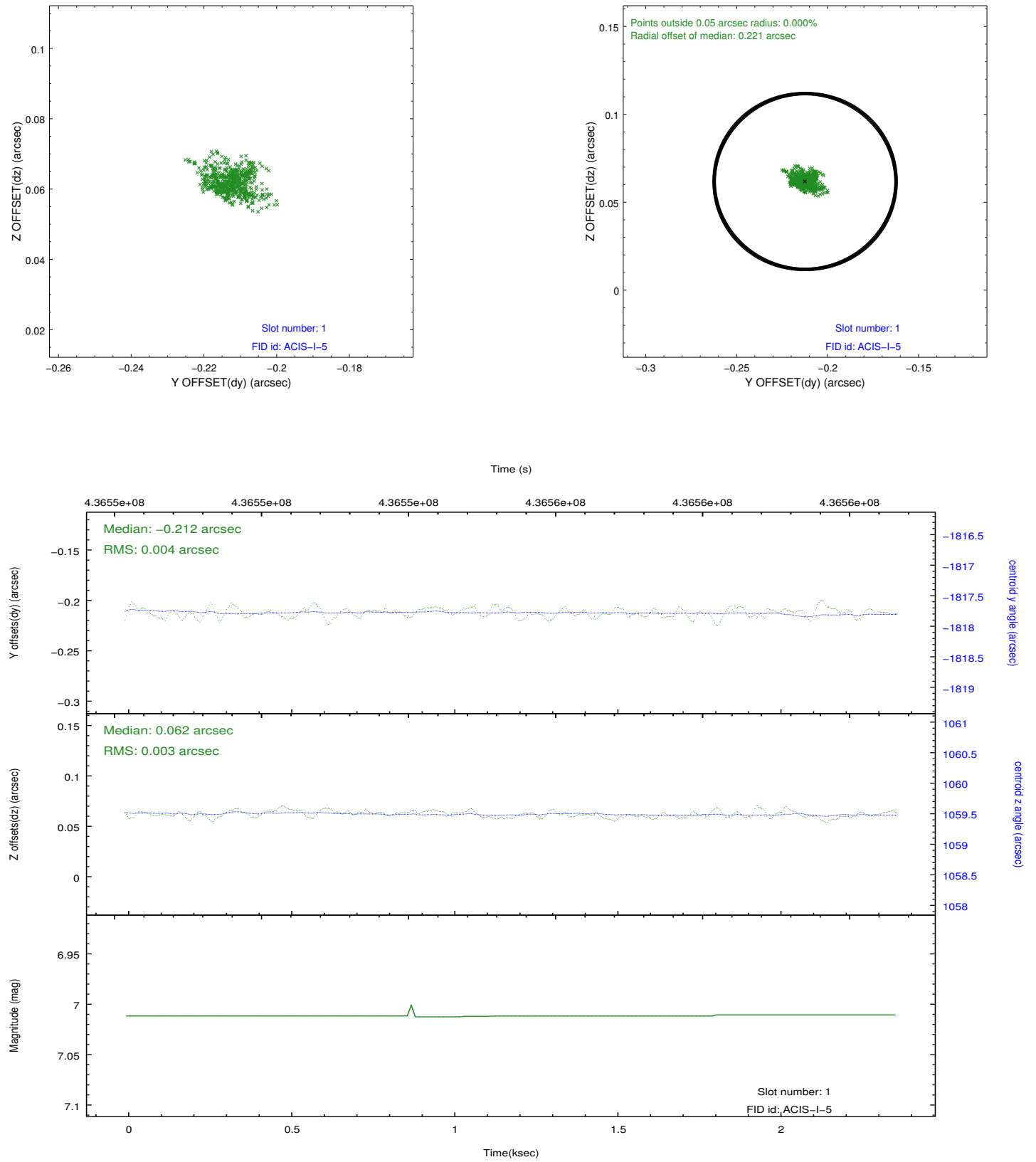


2.5 FID Slots

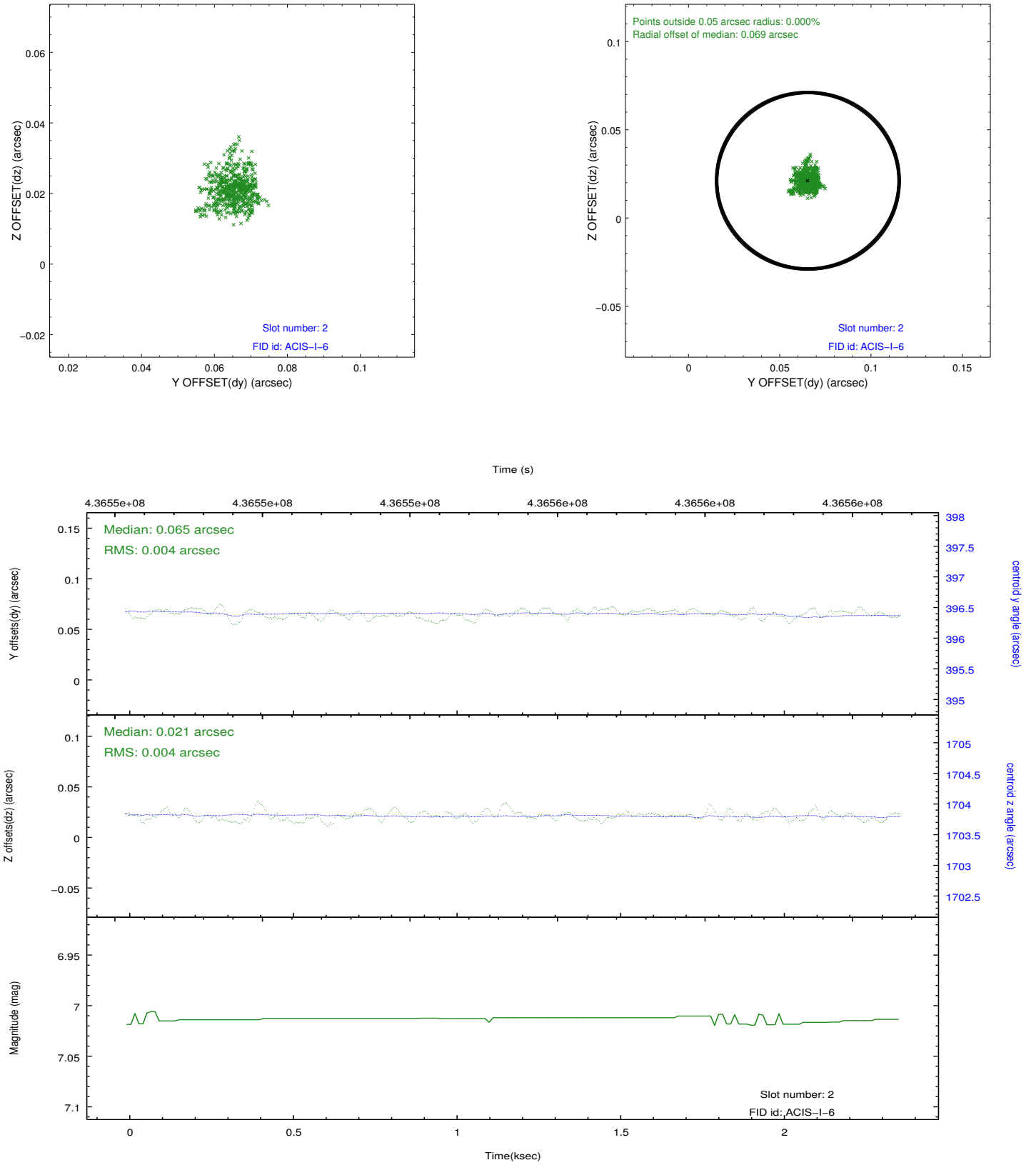
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9716000151634

A.2 Comments

Joint Proposal: NOAO