

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13529 - L2 Version 2
Chandra X-Ray Center

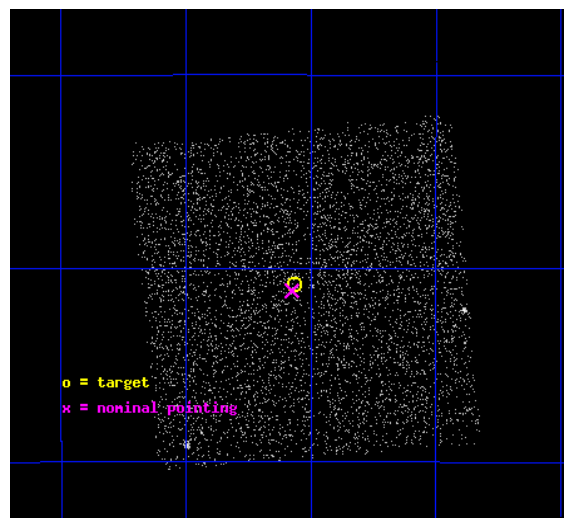
L2 Processing Date : Feb 25 2012

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

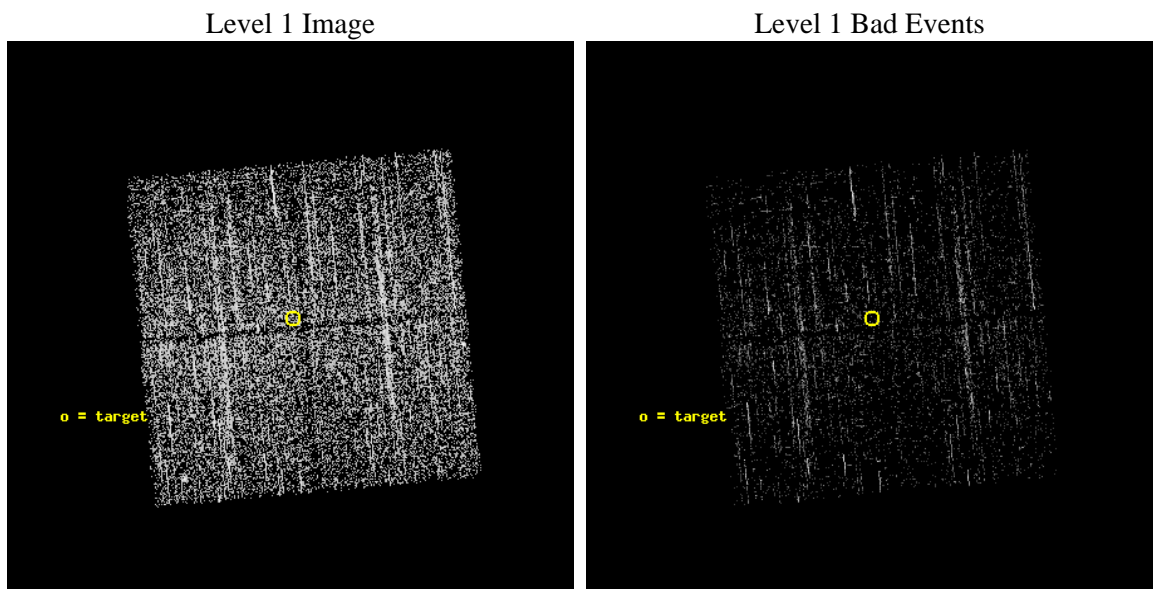
seq_num	401305	Sequence number
obs_id	13529	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.39203	Observer's specified target RA [deg]
dec_targ	-29.347134	Observer's specified target Dec [deg]
ra_nom	268.39405389858	Nominal RA [deg]
dec_nom	-29.352617073607	Nominal Dec [deg]
roll_nom	264.7464926578	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.3465388417	Sum of GTIs [s]
livetime	1947.5633135552	Livetime [s]
ontime0	1973.2234188318	Sum of GTIs [s]
ontime1	1973.2644588351	Sum of GTIs [s]
ontime2	1970.1645185947	Sum of GTIs [s]
ontime3	1973.3465388417	Sum of GTIs [s]
l2events	6382	Number of level 2 events



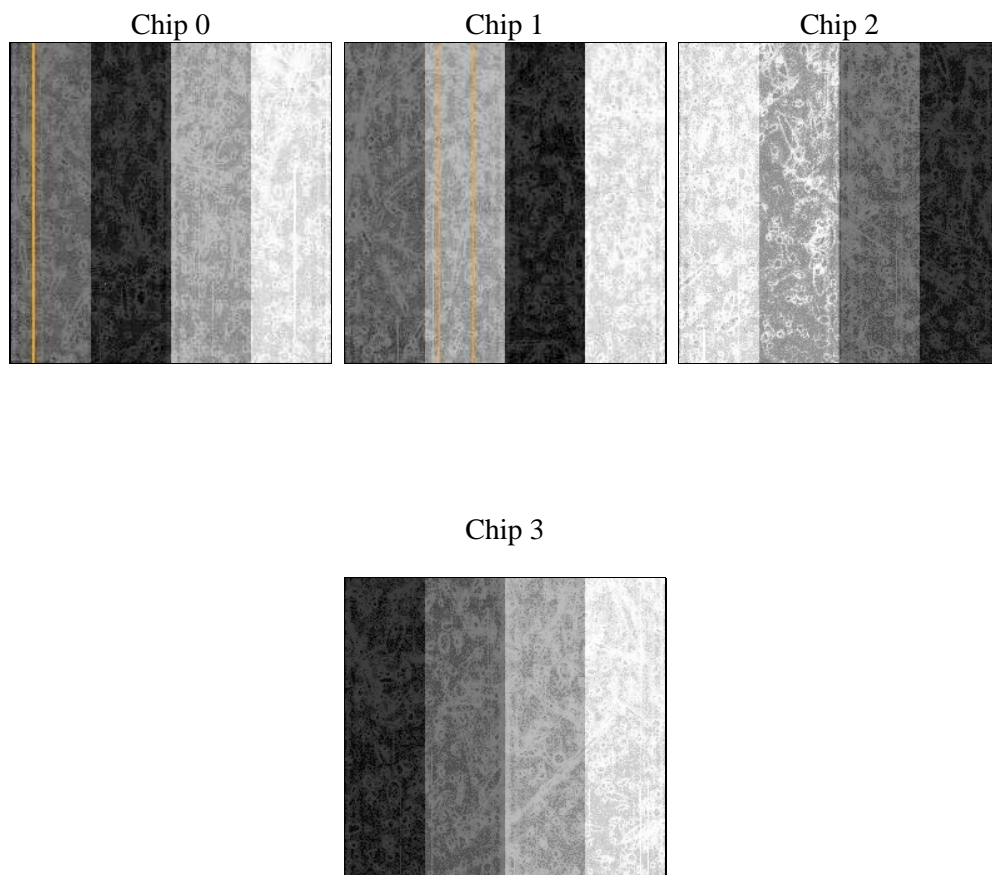
2 OBI

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	1973.3465388417	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.2234188318	Sum of GTIs [s]
date	2012-02-26T01:06:18	Date and time of file creation	ontime1	1973.2644588351	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1970.1645185947	Sum of GTIs [s]
			ontime3	1973.3465388417	Sum of GTIs [s]
			l1events	48676	Number of level 1 events

2.1.4 Events

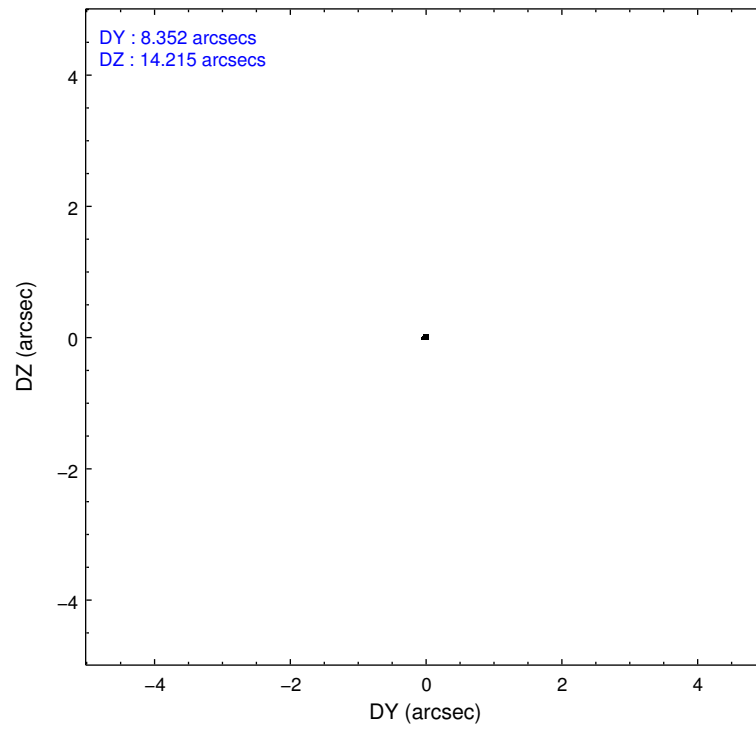
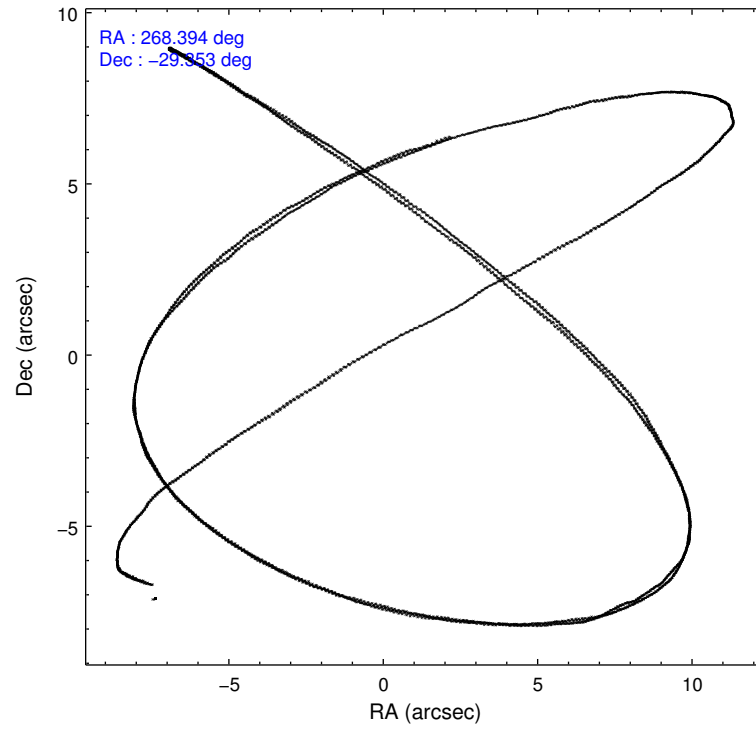
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11534	11854	12915	12373
rejected events	9656	9873	10997	10616
rejected %	83%	83%	85%	85%

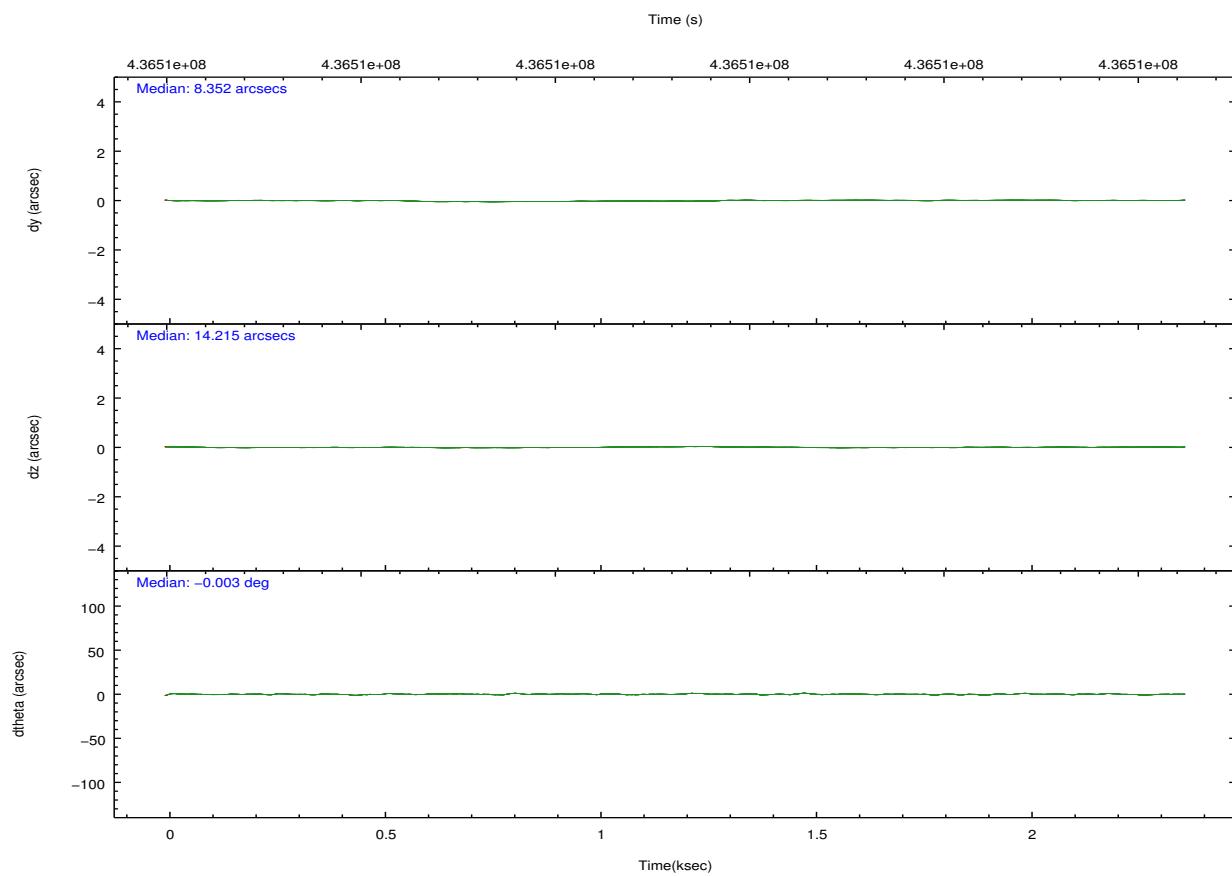
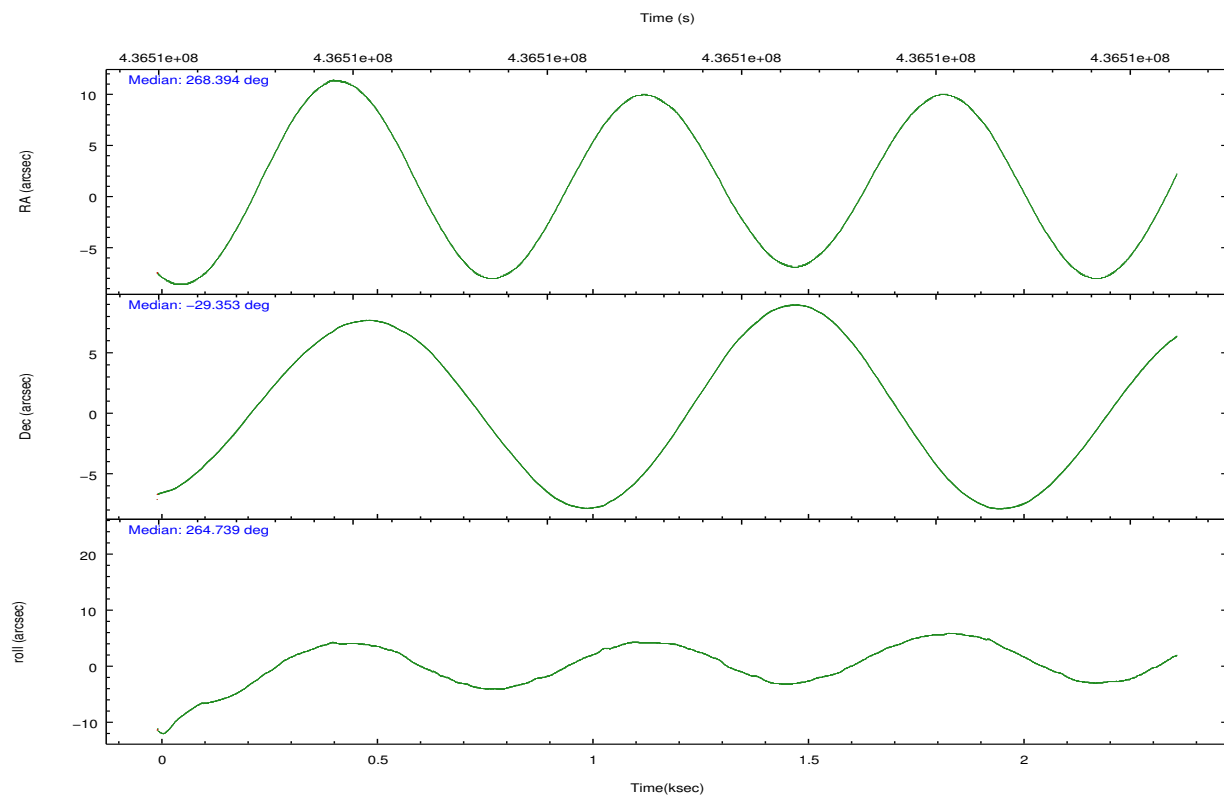
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	882	951	911	827
	7%	8%	7%	6%
grade 1 events	6	11	6	6
	0%	0%	0%	0%
grade 2 events	410	404	396	336
	3%	3%	3%	2%
grade 3 events	165	157	170	178
	1%	1%	1%	1%
grade 4 events	134	163	154	144
	1%	1%	1%	1%
grade 5 events	555	557	499	587
	4%	4%	3%	4%
grade 6 events	292	312	292	273
	2%	2%	2%	2%
grade 7 events	9090	9299	10487	10022
	78%	78%	81%	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	268.380923	268.3940538985786	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.327621	-29.3526170736066	Alternating exposures requested	N	N
[deg] Pointing Roll	264.531398	264.7464926578048	[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)	436510799.184000	436510423.00635			
Observation start date	2011-11-01T04:58:53	2011-11-01T04:53:43			
[s] Observation end time (MET)	436512979.184000	436513112.60649			
Observation end date	2011-11-01T05:35:13	2011-11-01T05:38:32			
Read mode	TIMED	TIMED			

2.3 Aspect



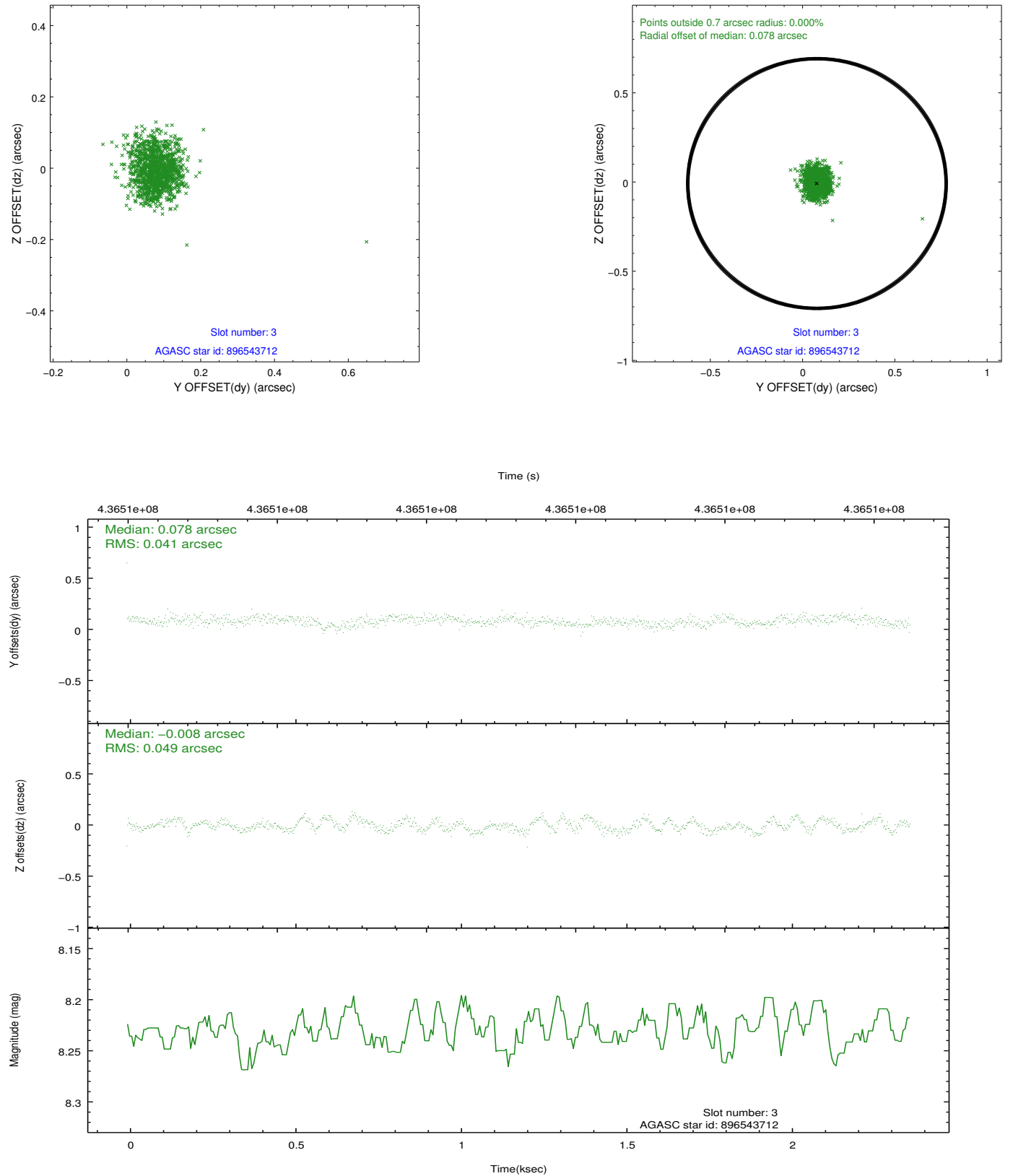


Slot Statistics

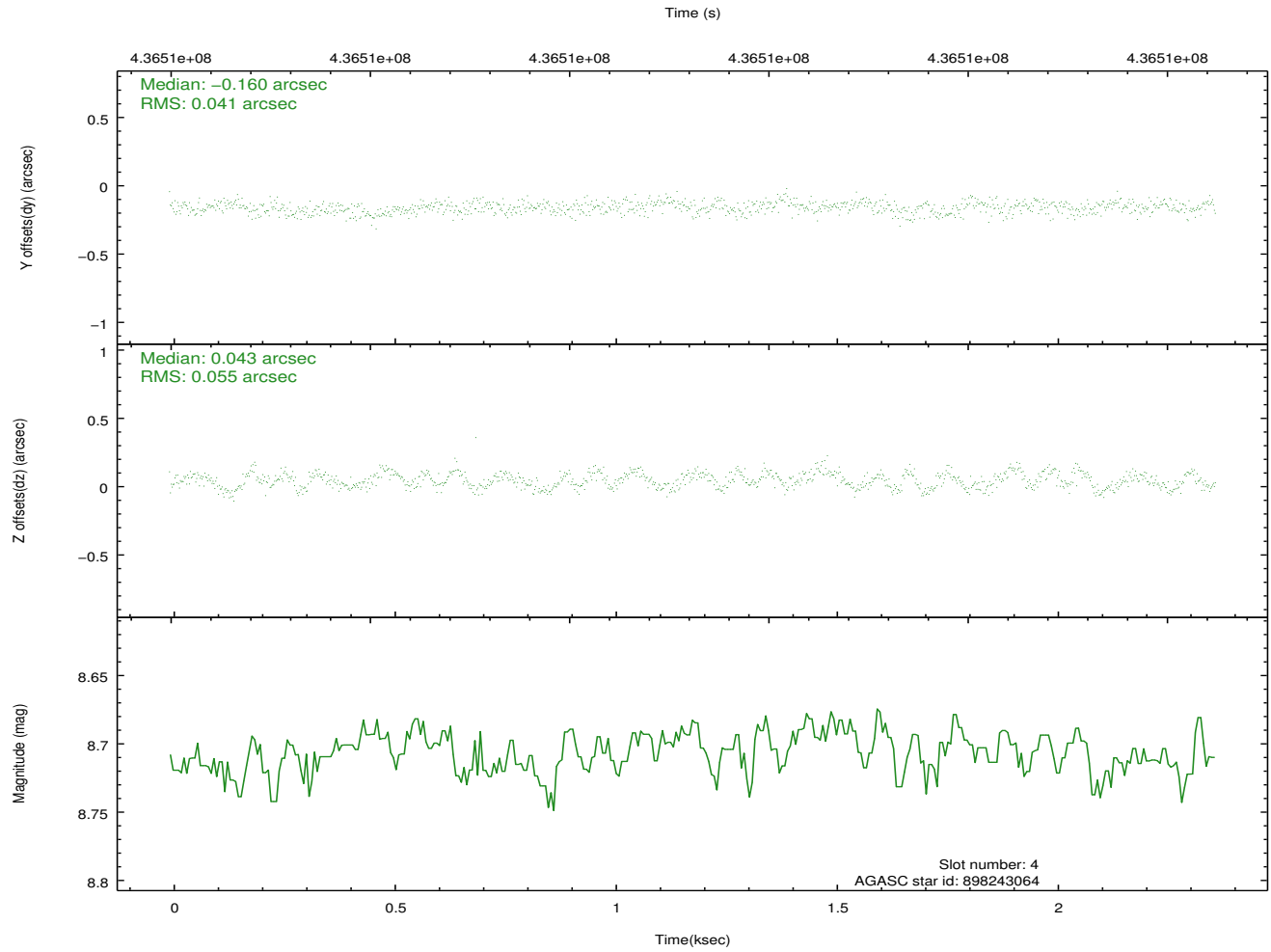
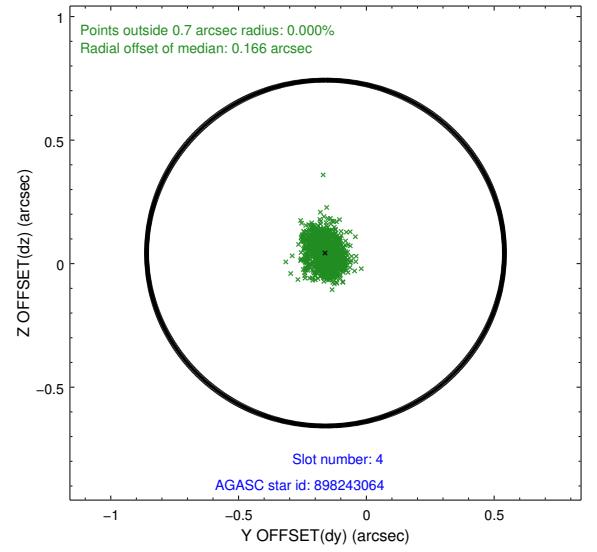
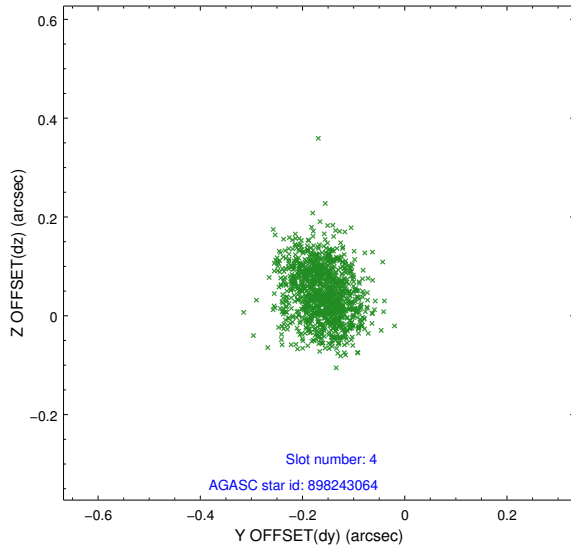
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	578	0.077	-0.040	0.007	0.013	0.000000	0.000000	931.38	-837.83
1	FID	ACIS-I-5	7.00	578	-0.230	0.074	0.006	0.011	0.000000	0.000000	-1815.53	1058.37
2	FID	ACIS-I-6	7.01	577	0.062	0.037	0.006	0.011	0.000000	0.000000	393.91	1705.97
3	GUIDE	896543712	8.23	1155	0.078	-0.008	0.065	0.104	267.764551	-28.659720	-2202.55	-2166.91
4	GUIDE	898243064	8.71	1155	-0.160	0.043	0.074	0.115	268.852106	-29.678564	1118.01	1586.56
5	GUIDE	898248800	8.23	1153	-0.063	-0.110	0.068	0.111	267.977609	-29.931731	2288.09	-1043.18
6	GUIDE	967050920	7.63	1155	0.007	0.073	0.055	0.091	268.870727	-30.021750	2347.03	1758.22
7	GUIDE	898264424	8.75	1154	0.137	-0.009	0.070	0.113	269.094392	-29.865118	1722.65	2404.53

2.4 Star Slots

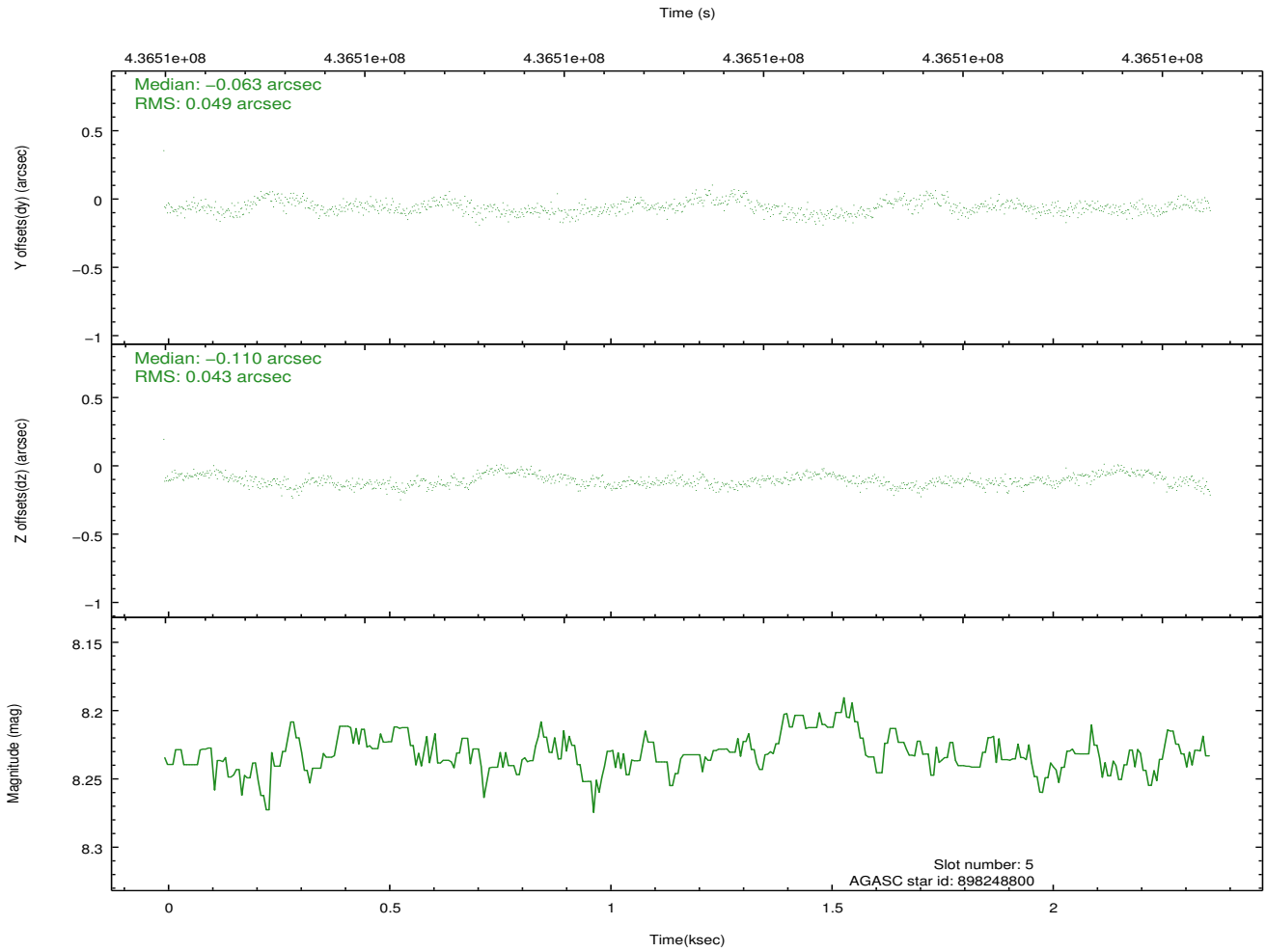
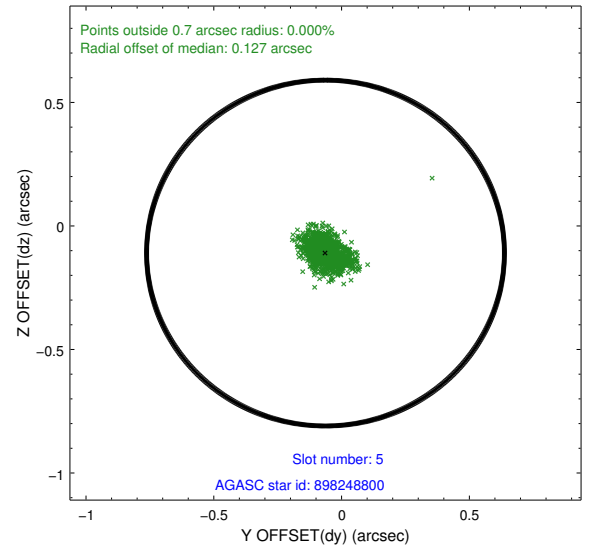
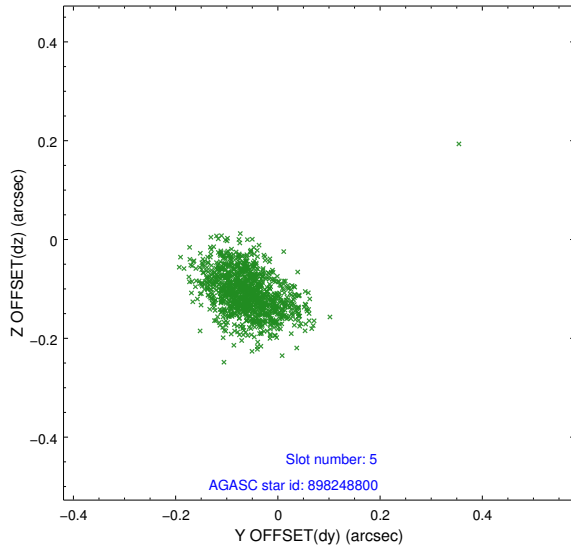
2.4.1 Slot 3



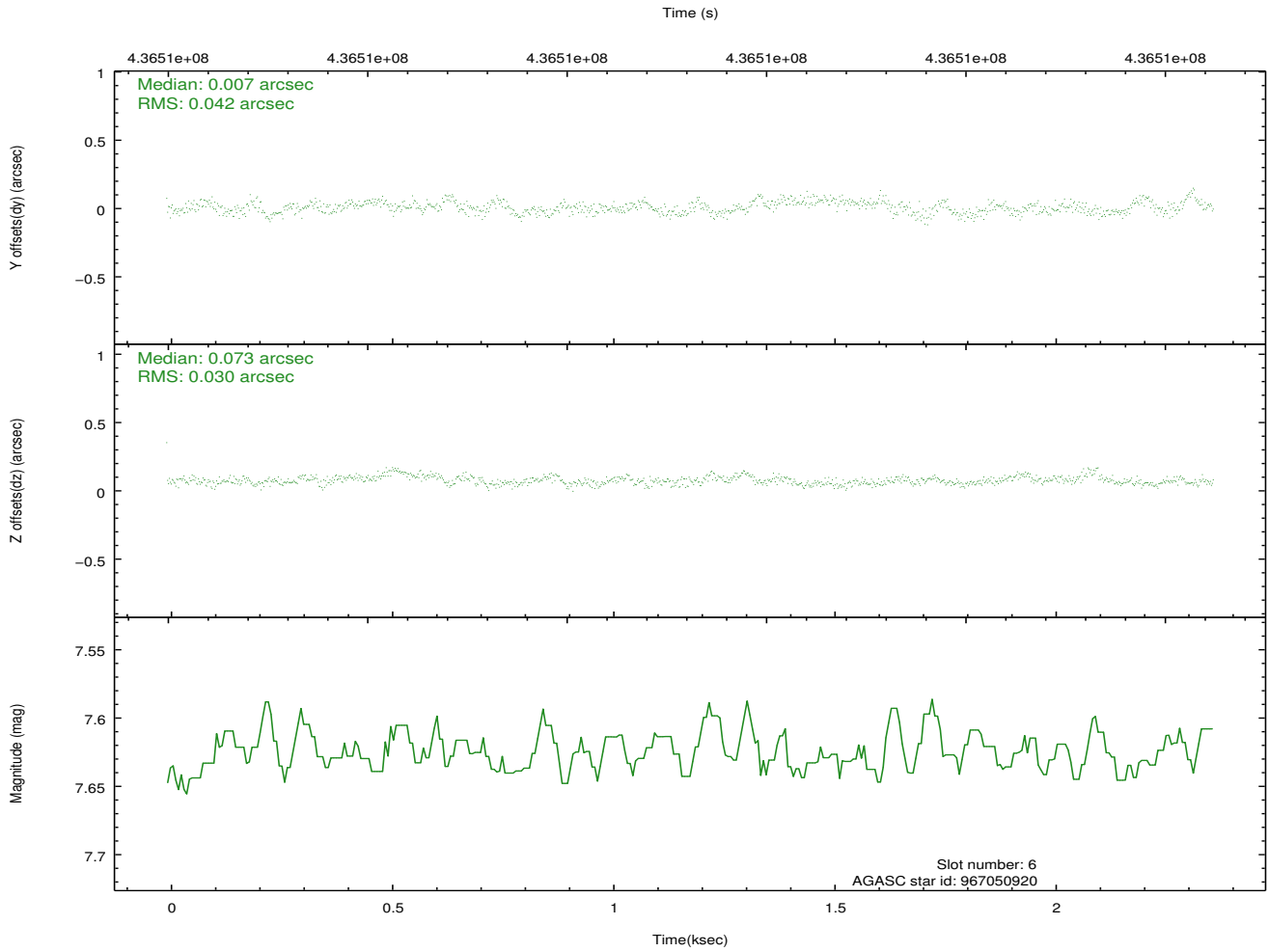
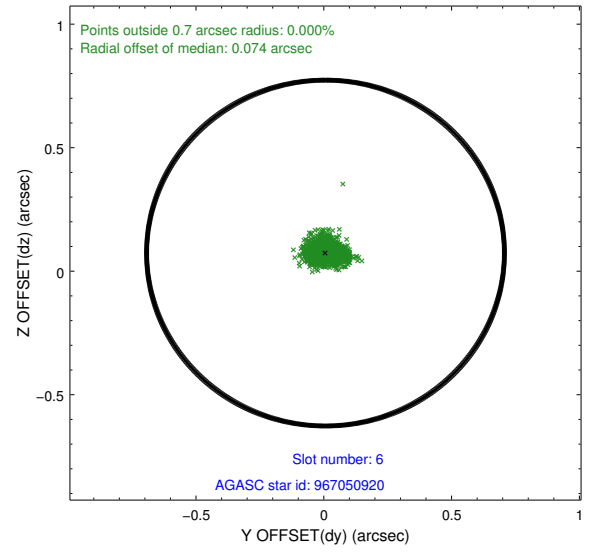
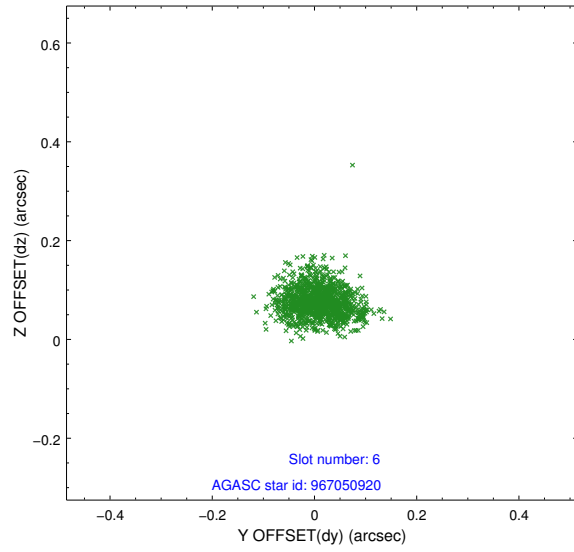
2.4.2 Slot 4



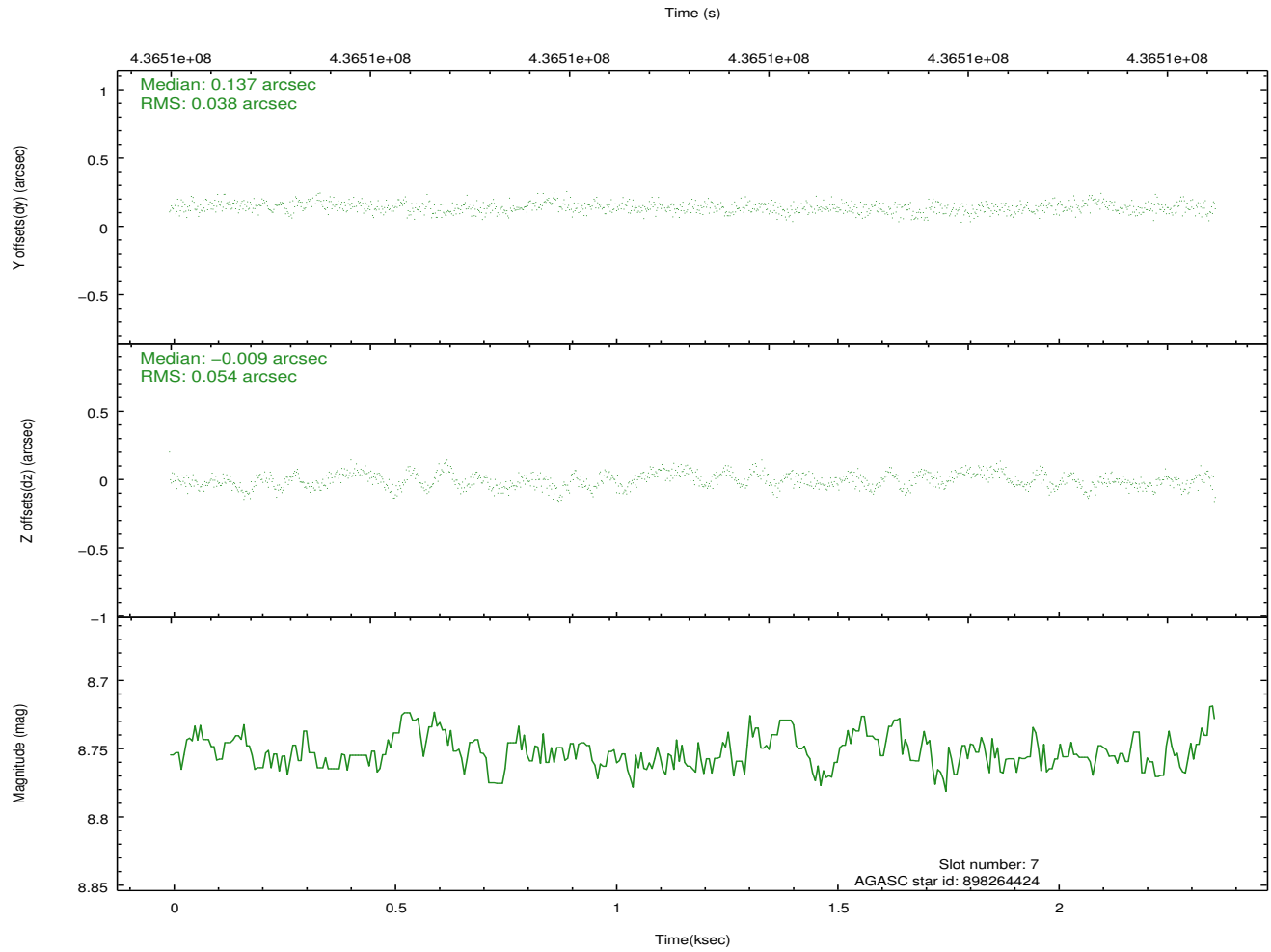
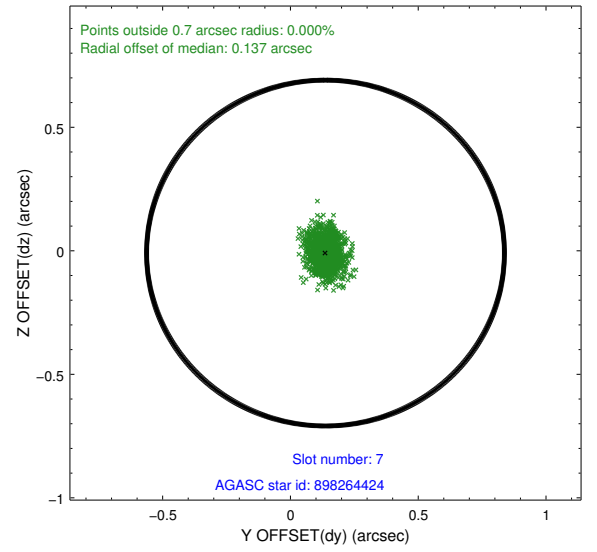
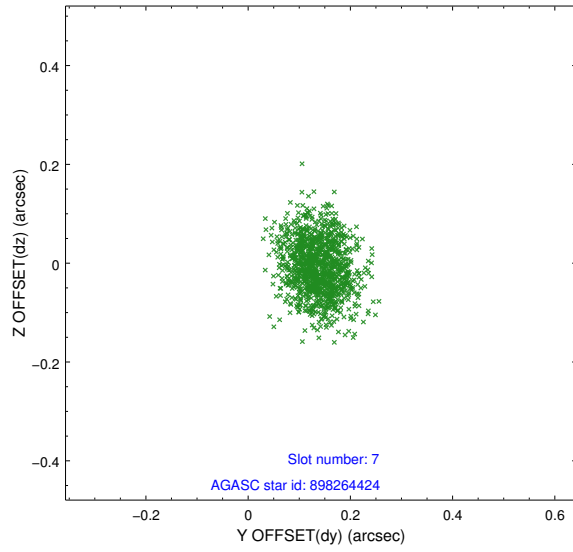
2.4.3 Slot 5



2.4.4 Slot 6

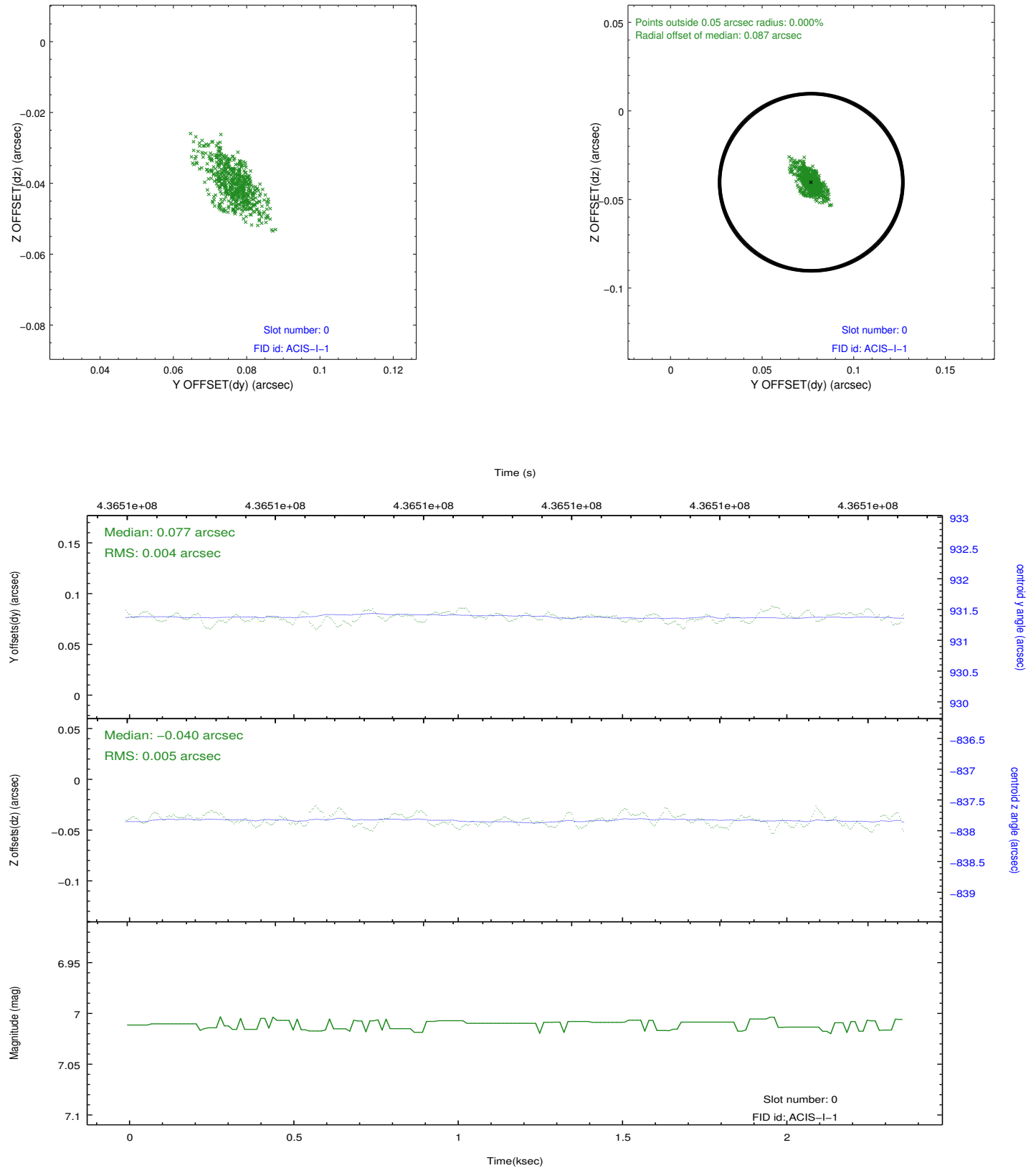


2.4.5 Slot 7

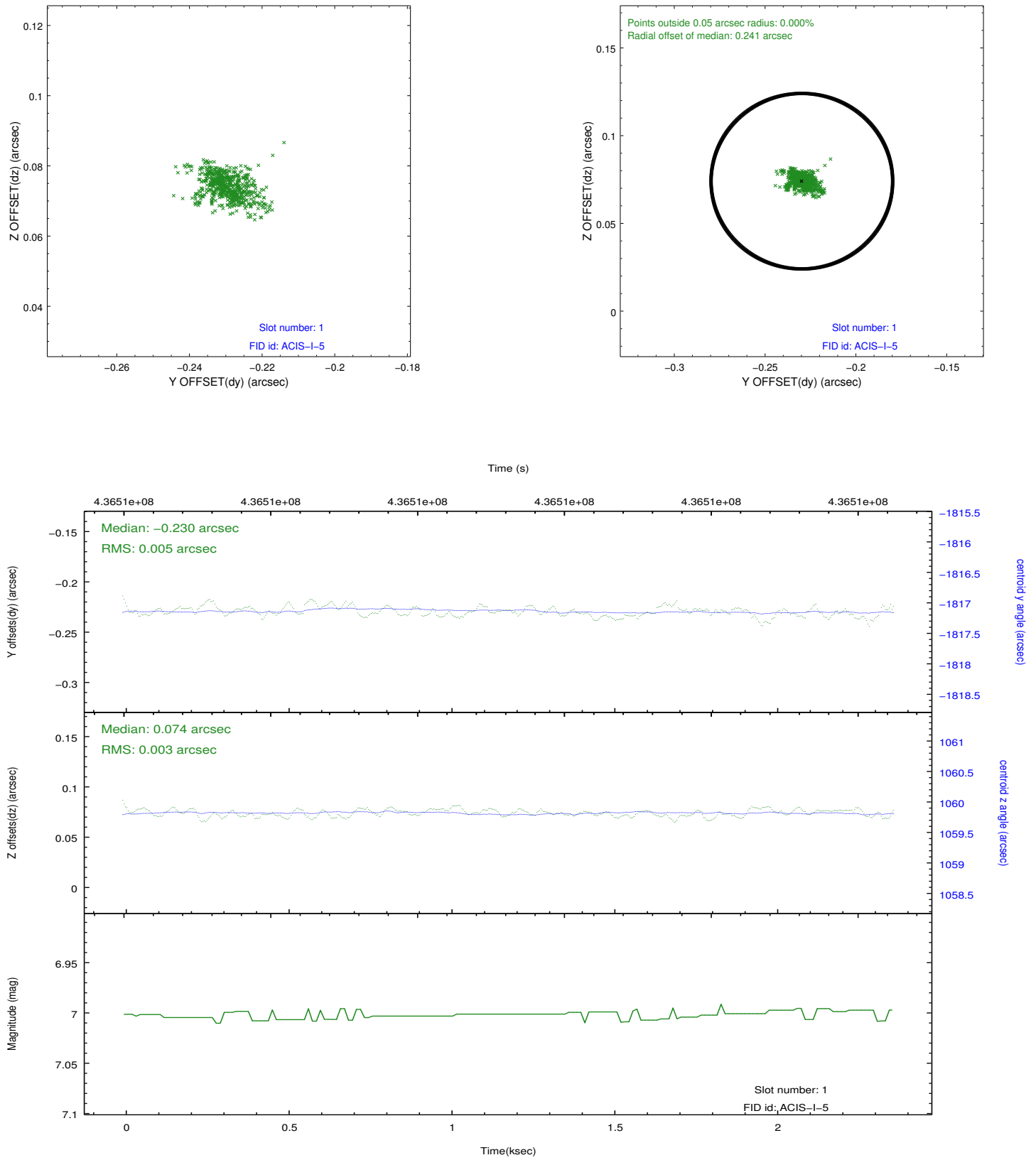


2.5 FID Slots

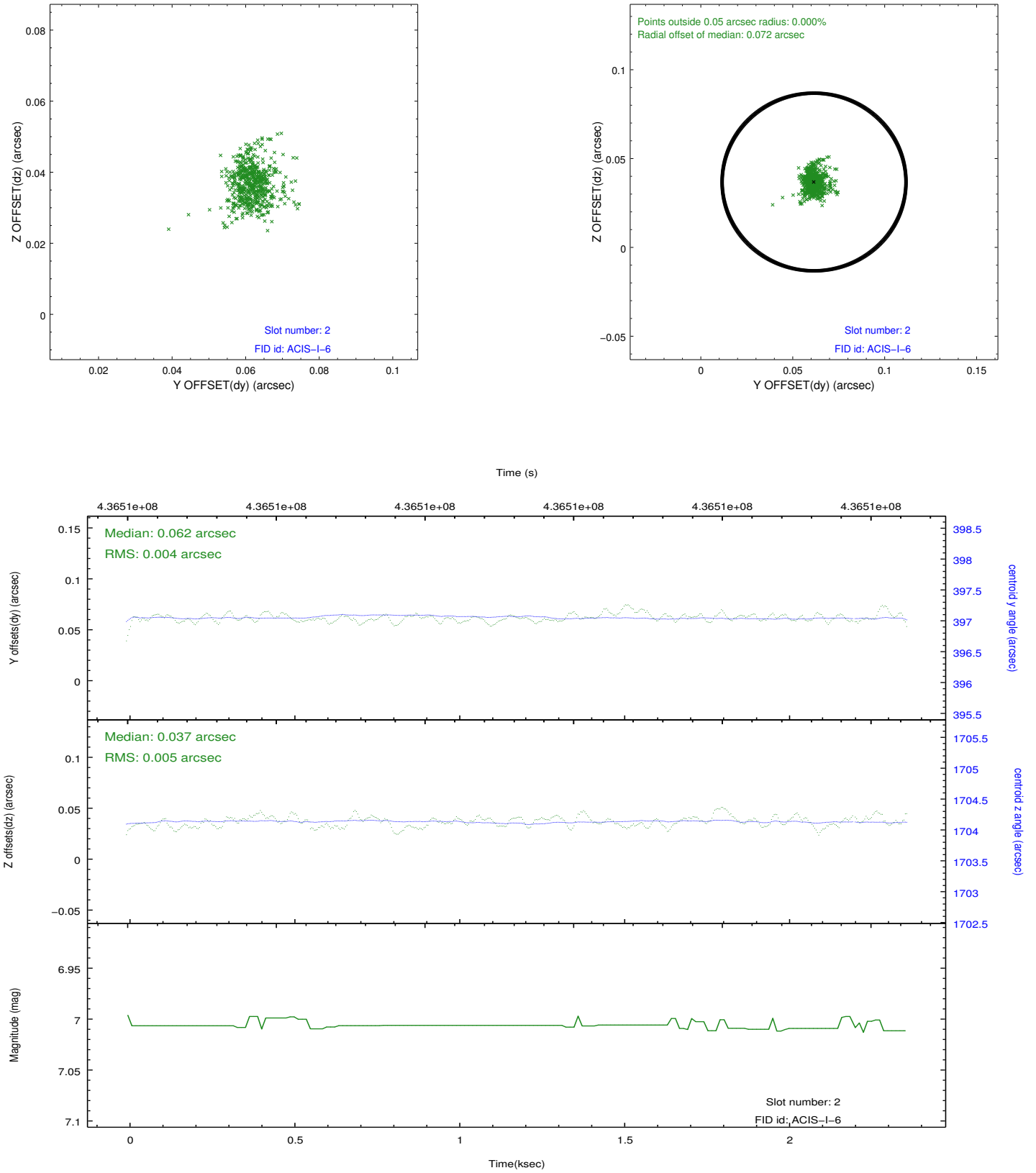
2.5.1 Slot 0



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	1.9733465356231

A.2 Comments

Joint proposal: NOAO