

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13559 - L2 Version 2
Chandra X-Ray Center

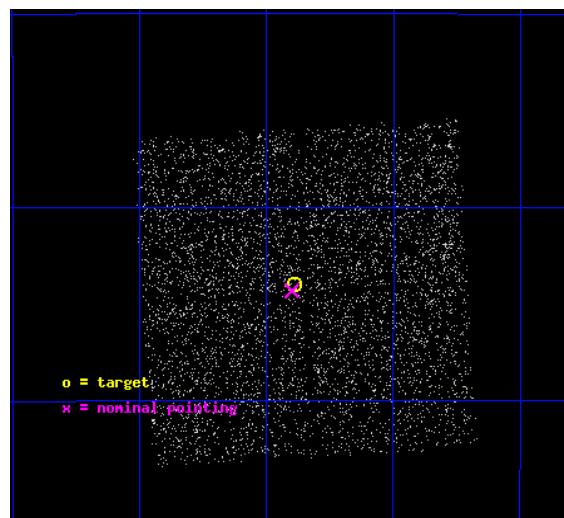
L2 Processing Date : Feb 25 2012

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1 Front

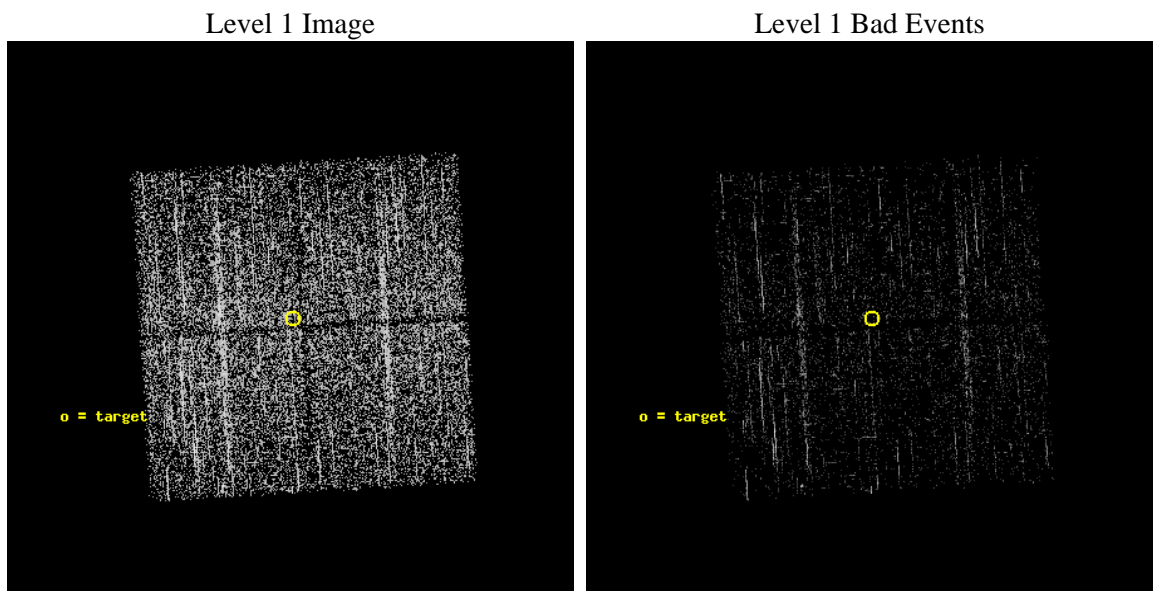
seq_num	401335	Sequence number
obs_id	13559	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.722582	Observer's specified target RA [deg]
dec_targ	-27.733138	Observer's specified target Dec [deg]
ra_nom	269.72515544384	Nominal RA [deg]
dec_nom	-27.738551044495	Nominal Dec [deg]
roll_nom	266.50217542575	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.9026147723	Sum of GTIs [s]
livetime	1948.1121239444	Livetime [s]
ontime0	1973.7794947624	Sum of GTIs [s]
ontime1	1973.8205347657	Sum of GTIs [s]
ontime2	1973.861574769	Sum of GTIs [s]
ontime3	1973.9026147723	Sum of GTIs [s]
l2events	5531	Number of level 2 events



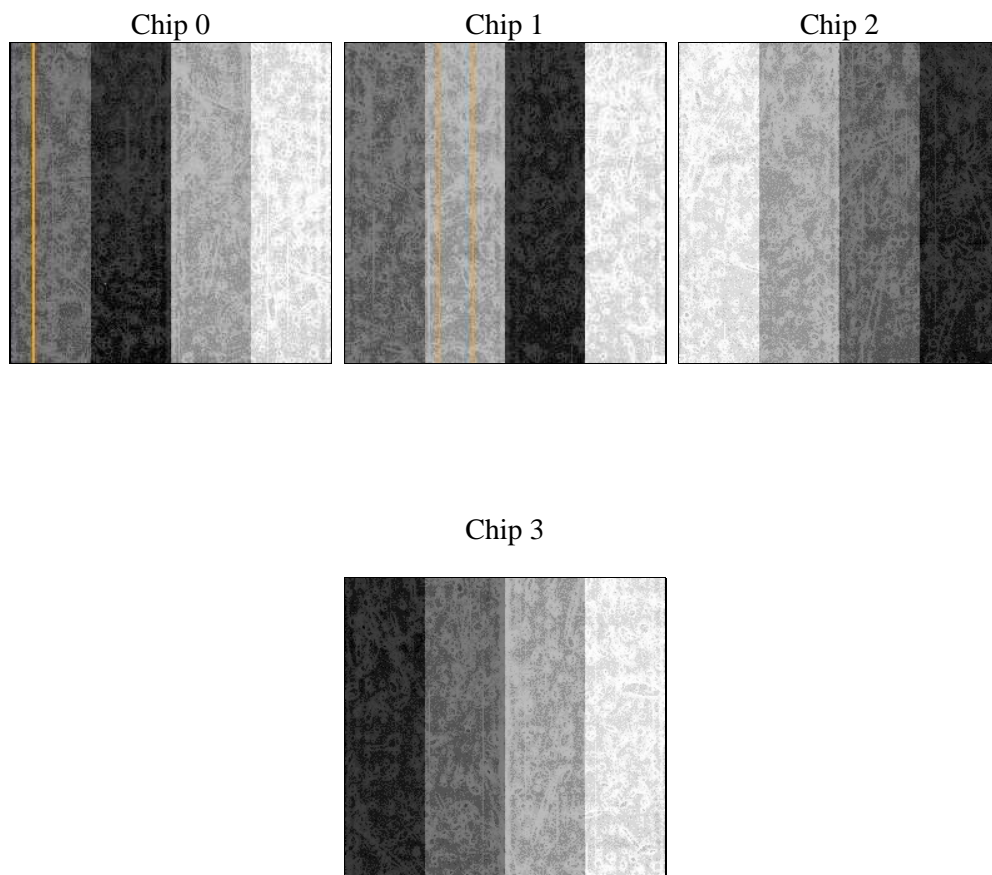
2 OBI

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	1973.9026147723	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.7794947624	Sum of GTIs [s]
date	2012-02-26T01:29:51	Date and time of file creation	ontime1	1973.8205347657	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.861574769	Sum of GTIs [s]
			ontime3	1973.9026147723	Sum of GTIs [s]
			l1events	45067	Number of level 1 events

2.1.4 Events

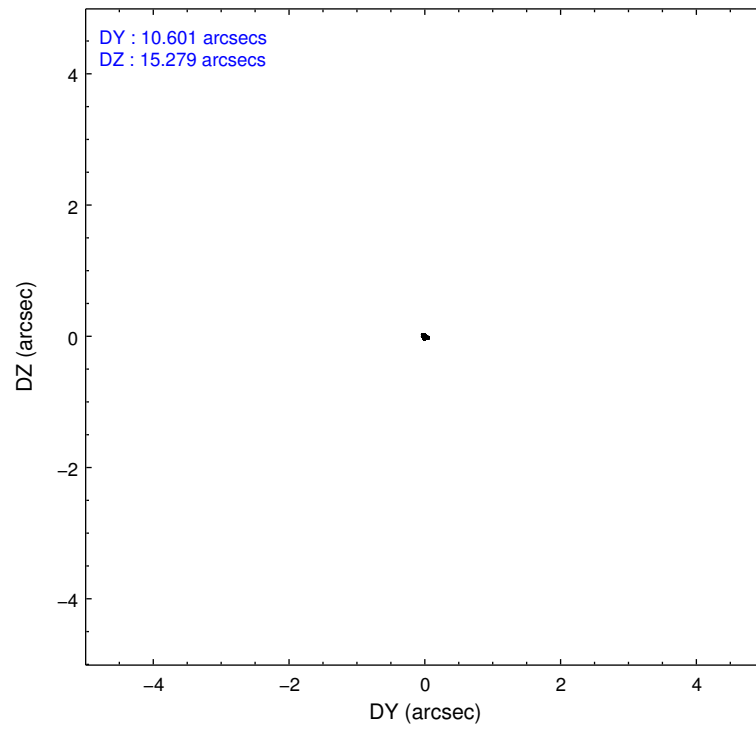
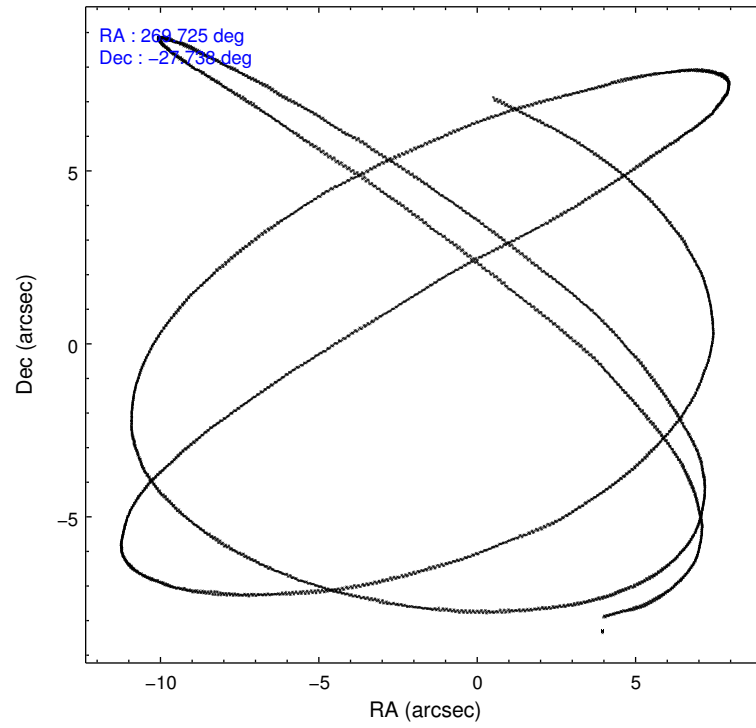
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10355	10966	12207	11539
rejected events	8801	9182	10608	9959
rejected %	84%	83%	86%	86%

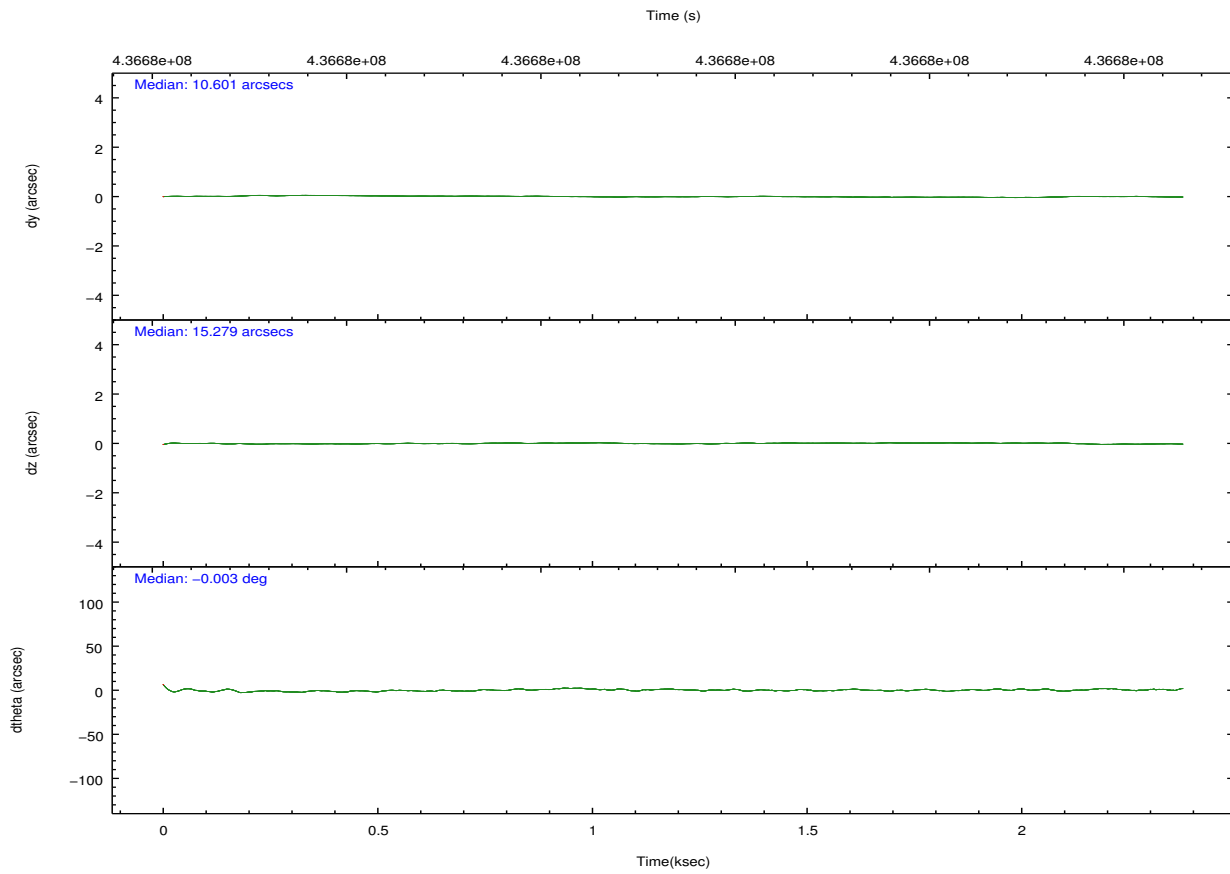
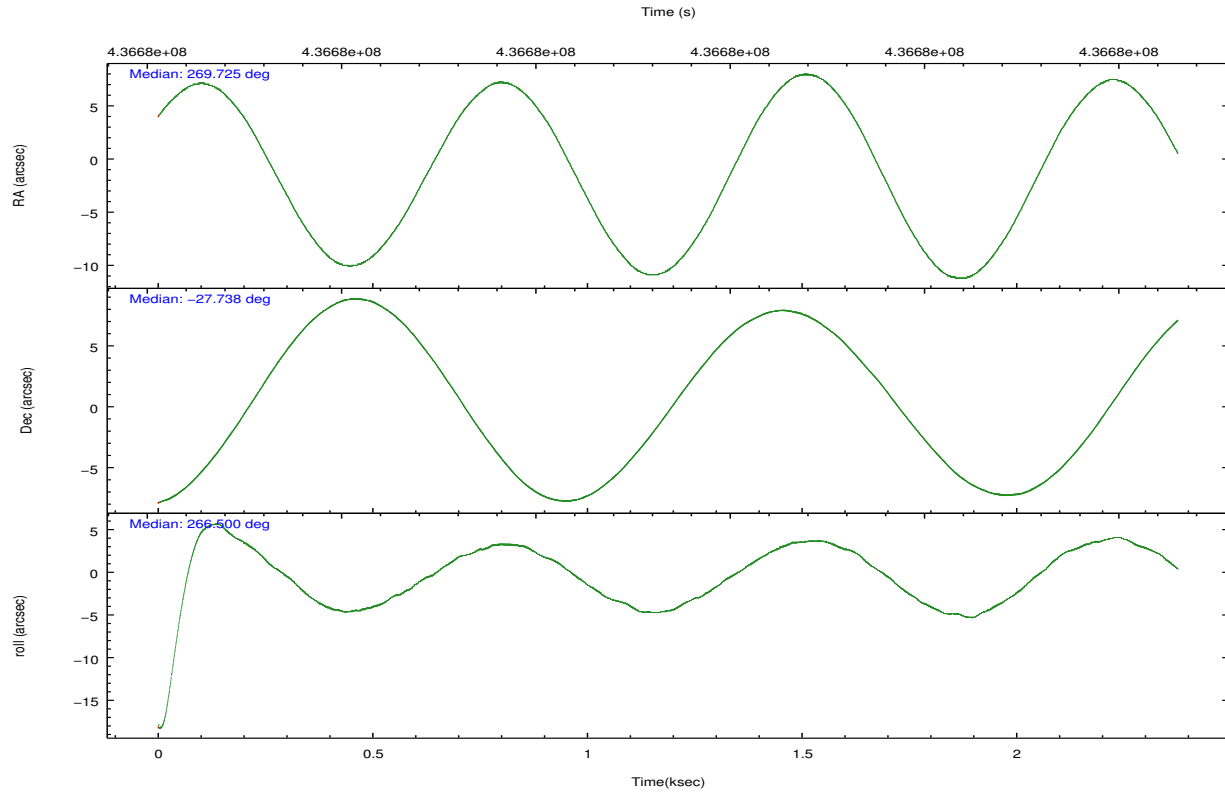
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	611	720	652	687
	5%	6%	5%	5%
grade 1 events	9	6	7	3
	0%	0%	0%	0%
grade 2 events	436	389	353	347
	4%	3%	2%	3%
grade 3 events	137	178	164	164
	1%	1%	1%	1%
grade 4 events	129	148	158	125
	1%	1%	1%	1%
grade 5 events	531	556	502	553
	5%	5%	4%	4%
grade 6 events	246	353	278	264
	2%	3%	2%	2%
grade 7 events	8256	8616	10093	9396
	79%	78%	82%	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	269.710970	269.7251554438375	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.713931	-27.73855104449456	Alternating exposures requested	N	N
[deg] Pointing Roll	266.287025	266.5021754257476	[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)	436678852.184000	436678476.89019			
Observation start date	2011-11-03T03:39:46	2011-11-03T03:34:36			
[s] Observation end time (MET)	436681032.184000	436681166.49034			
Observation end date	2011-11-03T04:16:06	2011-11-03T04:19:26			
Read mode	TIMED	TIMED			

2.3 Aspect



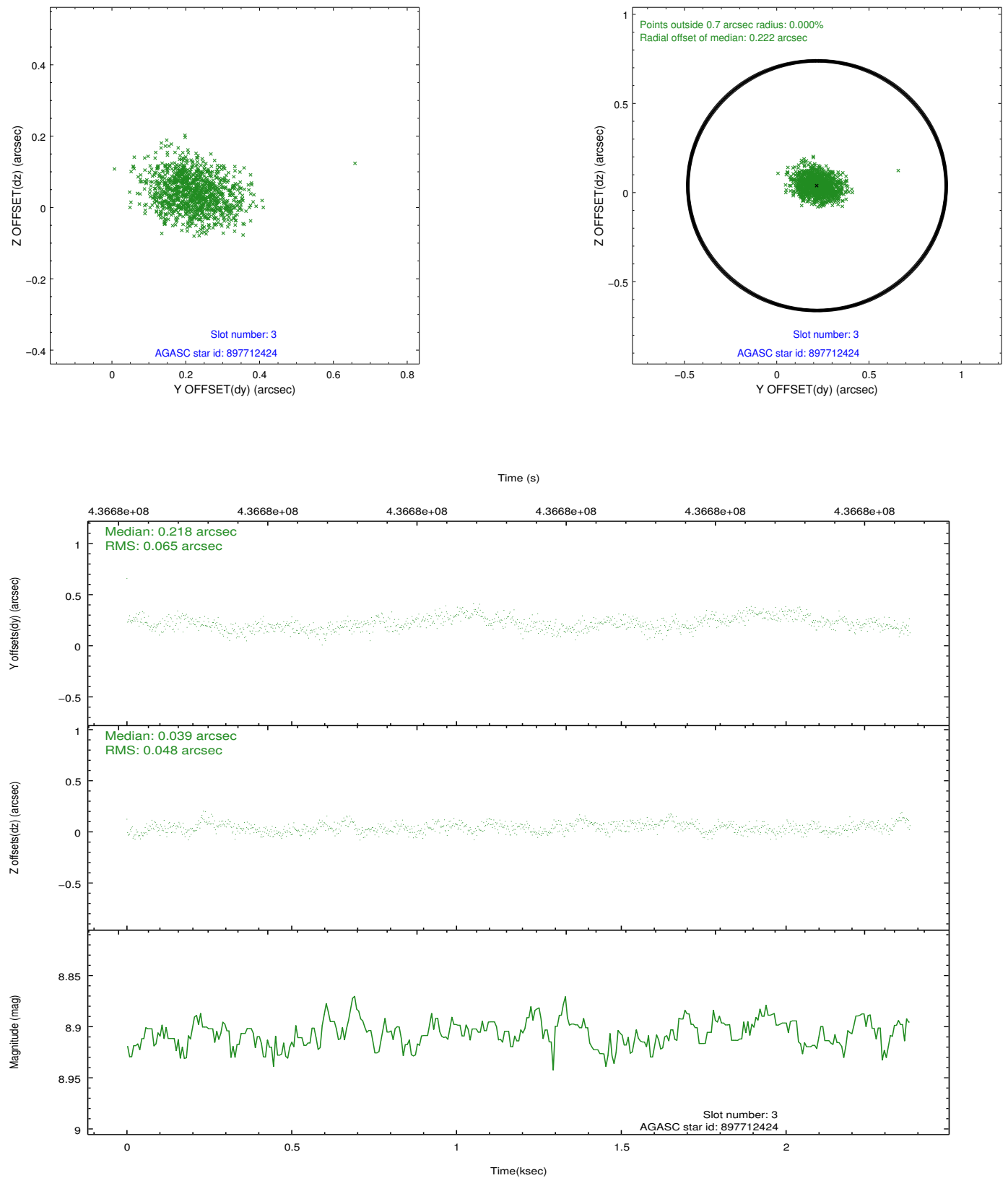


Slot Statistics

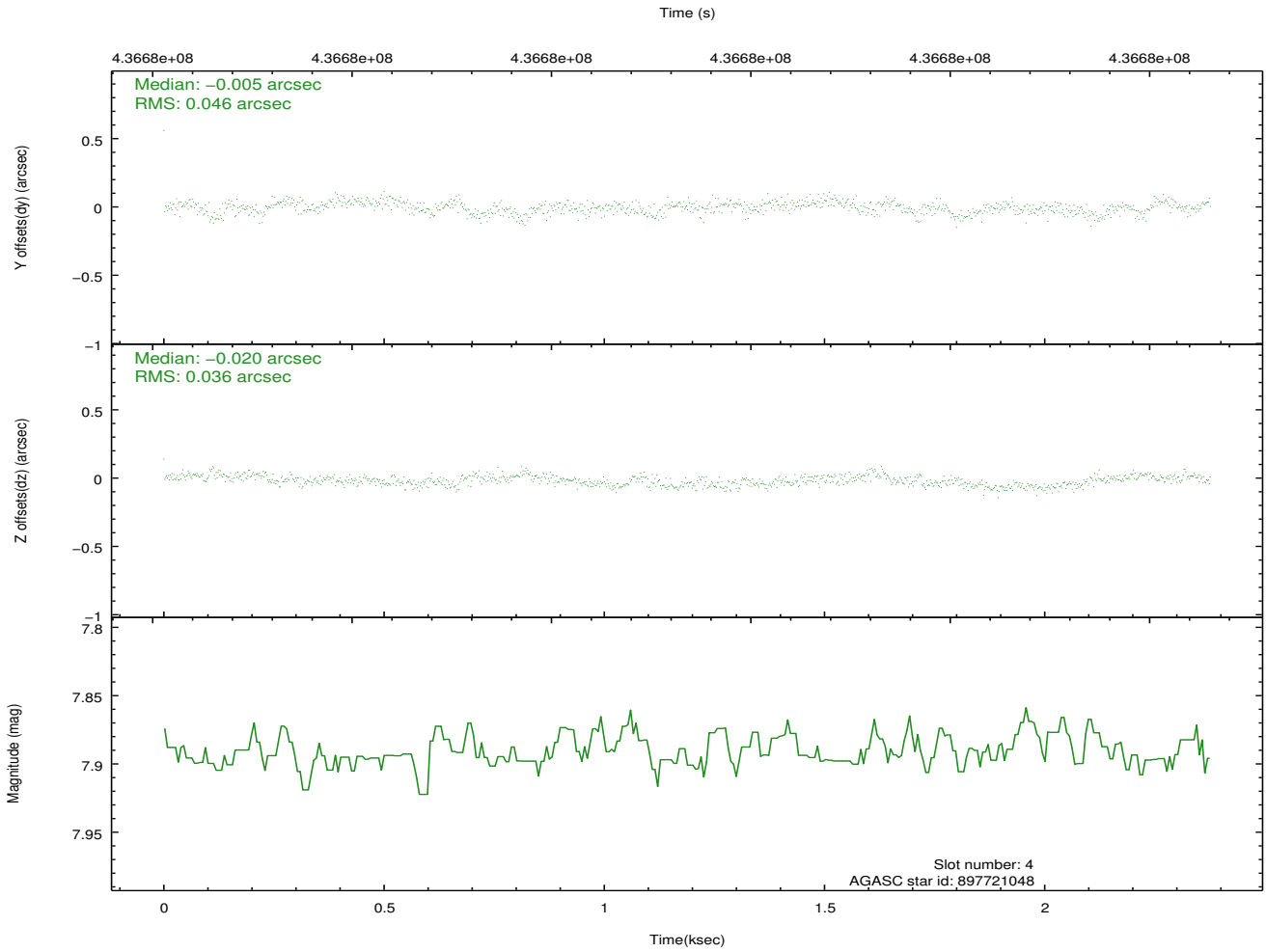
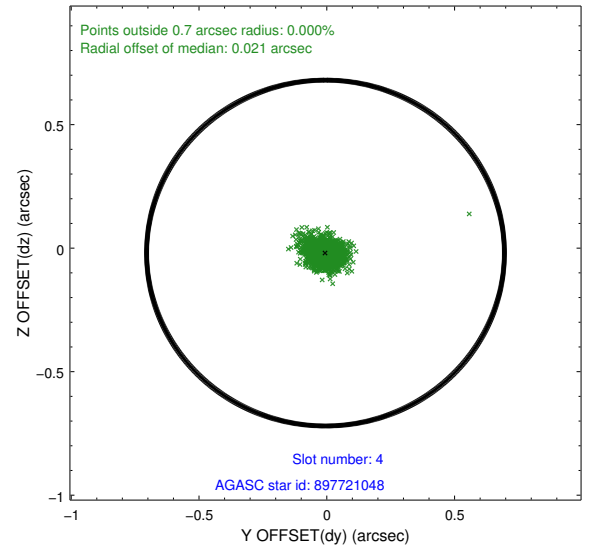
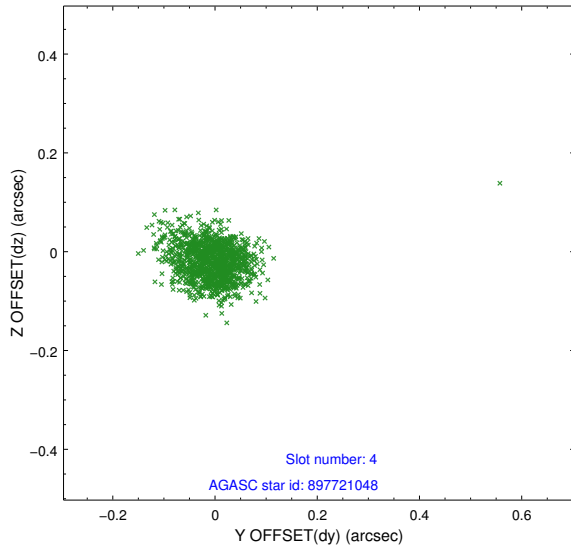
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	580	-0.014	0.026	0.009	0.015	0.000000	0.000000	928.97	-838.85
1	FID	ACIS-I-2	6.93	580	-0.192	-0.073	0.007	0.013	0.000000	0.000000	-763.78	-846.77
2	FID	ACIS-I-4	6.95	580	0.107	0.114	0.007	0.013	0.000000	0.000000	2147.72	1059.67
3	GUIDE	897712424	8.91	1159	0.218	0.039	0.086	0.139	269.567786	-28.090711	1383.79	-366.34
4	GUIDE	897721048	7.89	1160	-0.005	-0.020	0.059	0.099	268.989561	-28.030814	1295.15	-2214.11
5	GUIDE	897726696	8.11	1159	-0.248	-0.022	0.063	0.096	269.027034	-27.024261	-2328.40	-2351.78
6	GUIDE	898236888	8.72	1160	0.237	0.064	0.089	0.147	269.539947	-28.141730	1570.90	-444.41
7	GUIDE	897716896	7.35	1159	-0.197	-0.061	0.060	0.101	269.902616	-27.069631	-2352.52	461.88

2.4 Star Slots

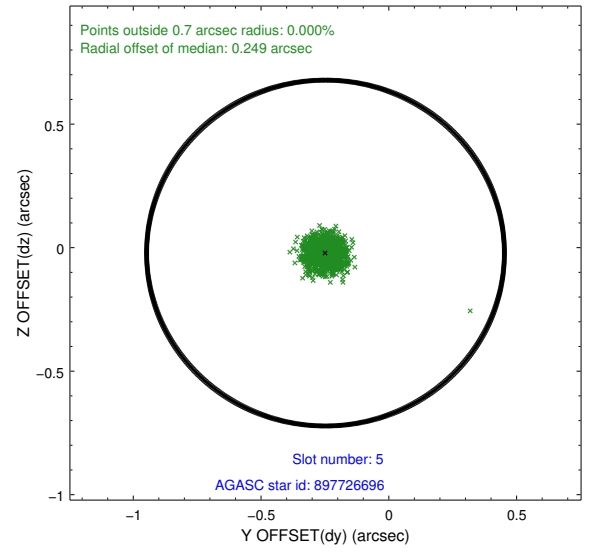
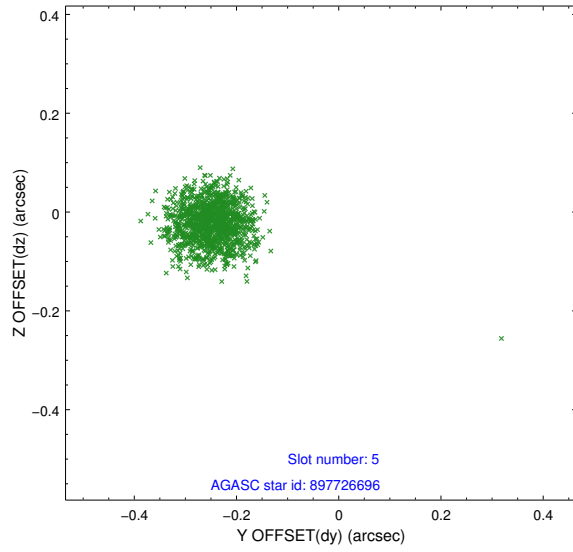
2.4.1 Slot 3



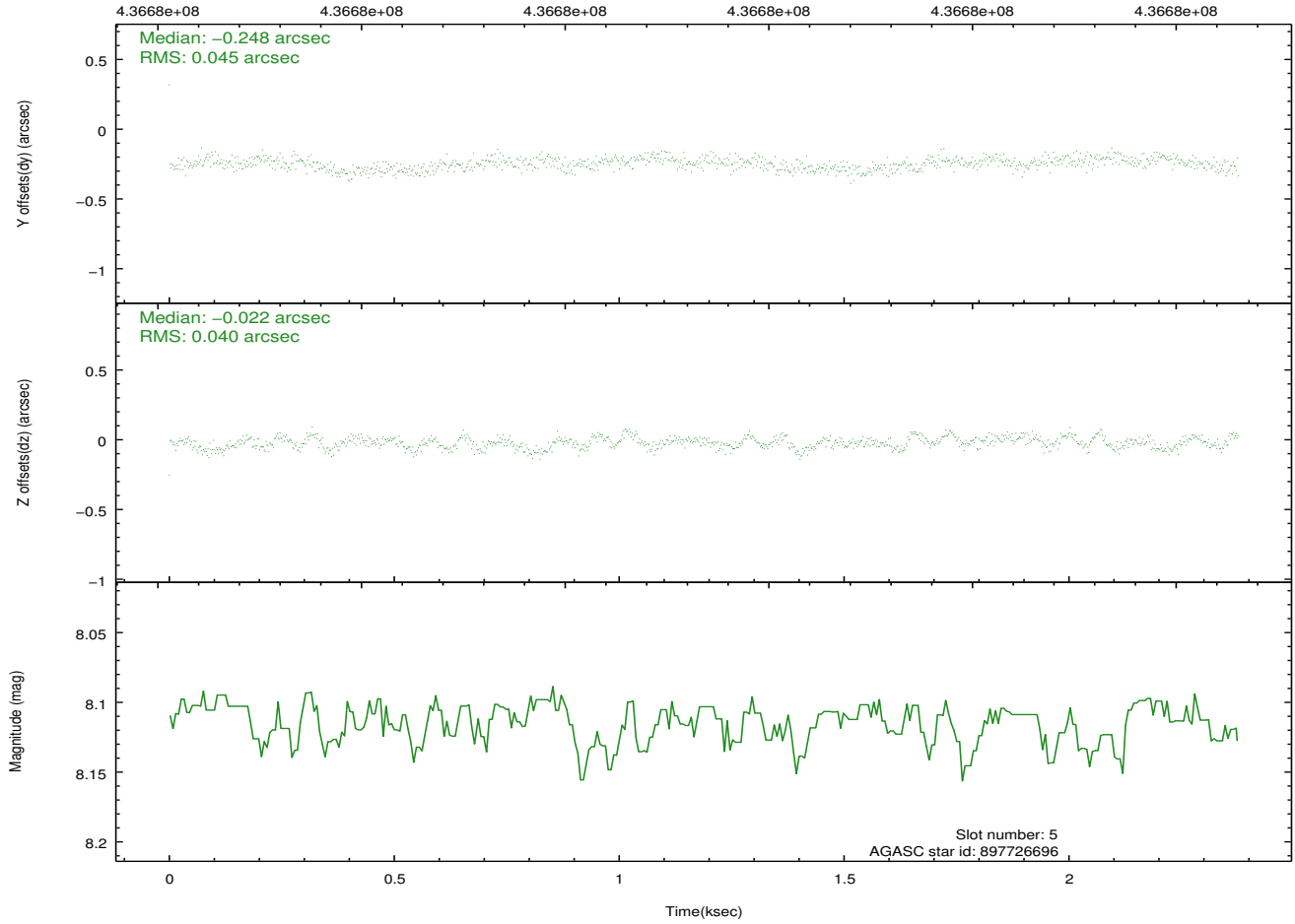
2.4.2 Slot 4



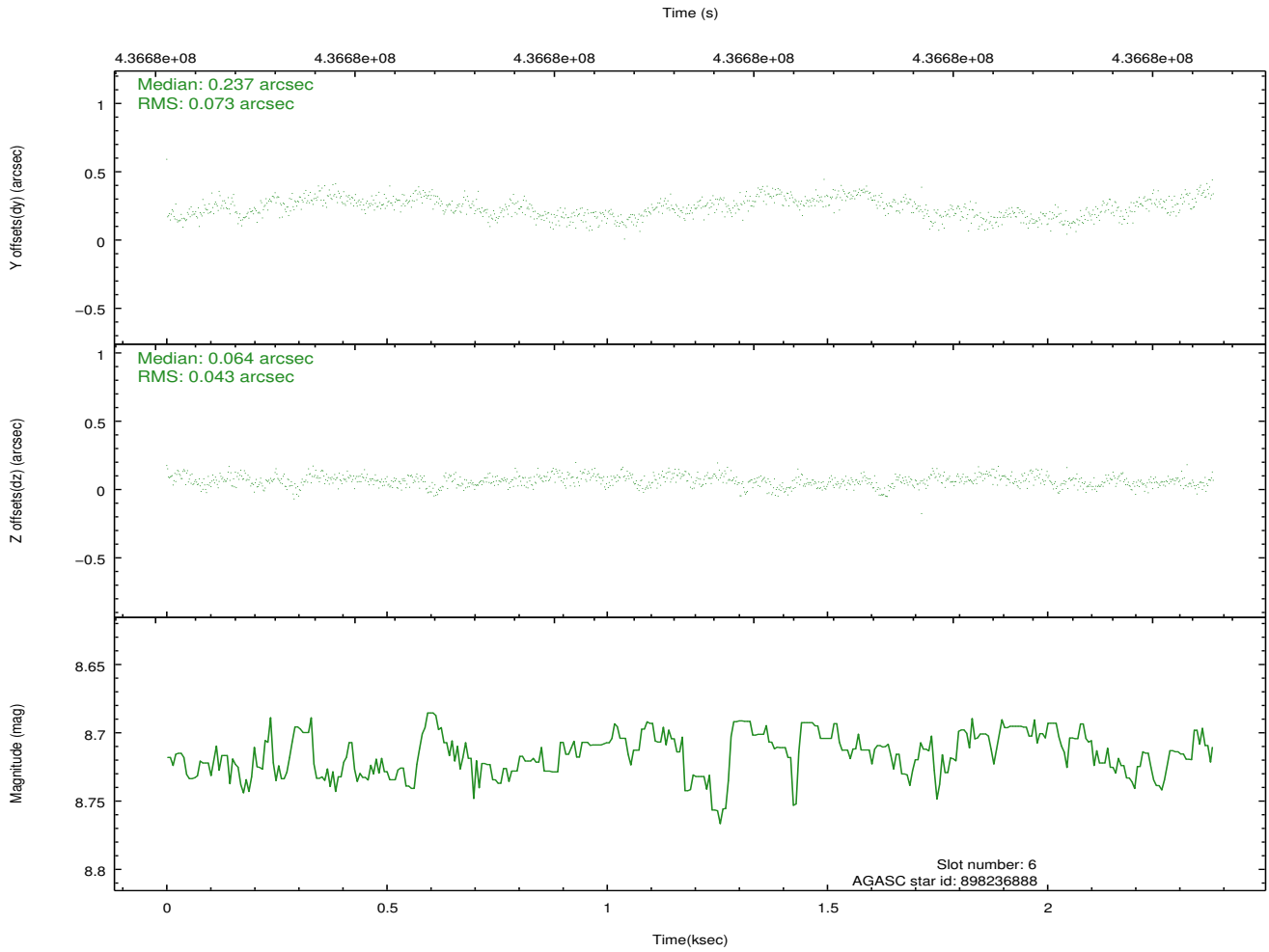
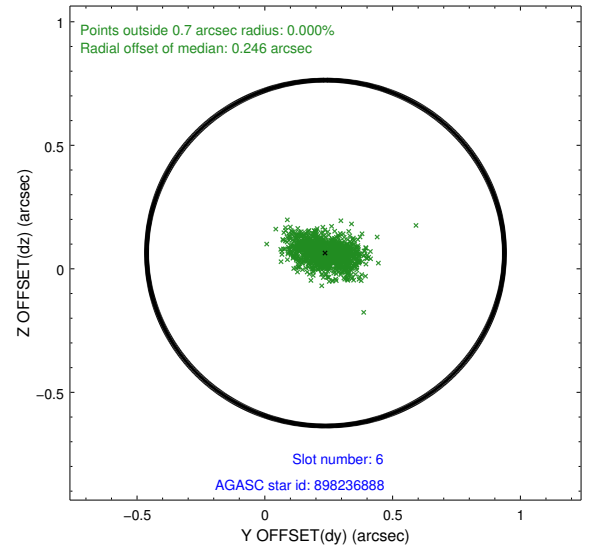
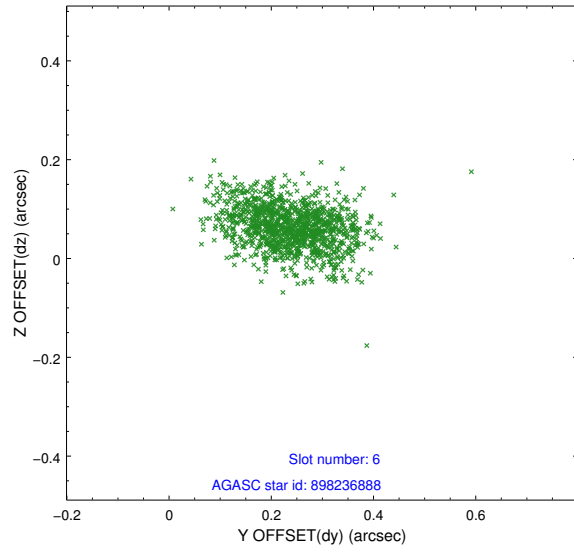
2.4.3 Slot 5



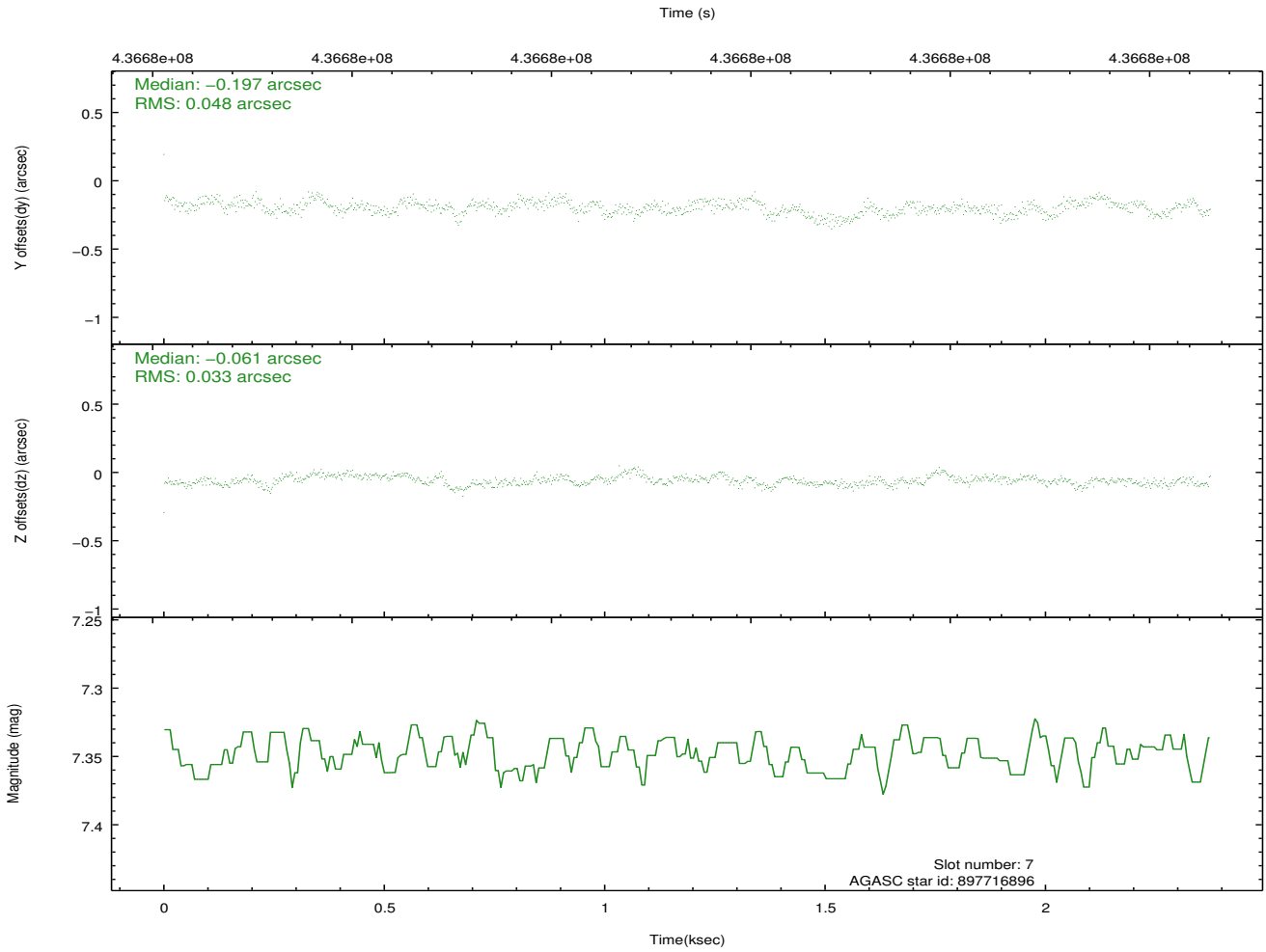
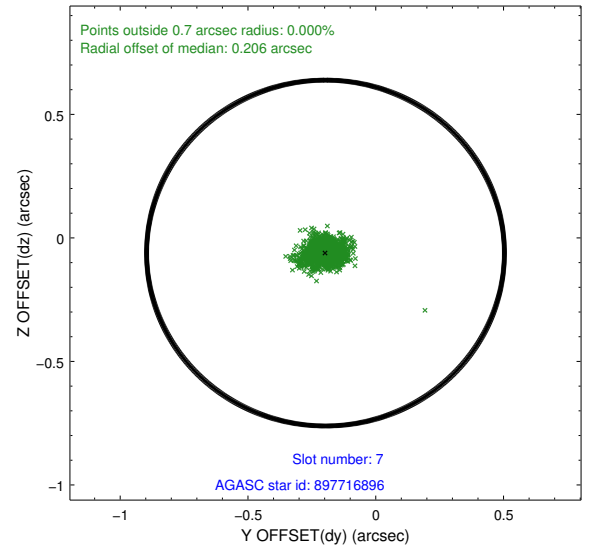
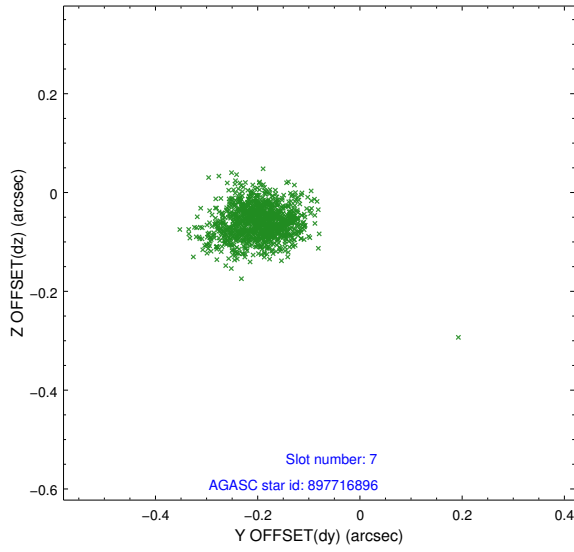
Time (s)



2.4.4 Slot 6

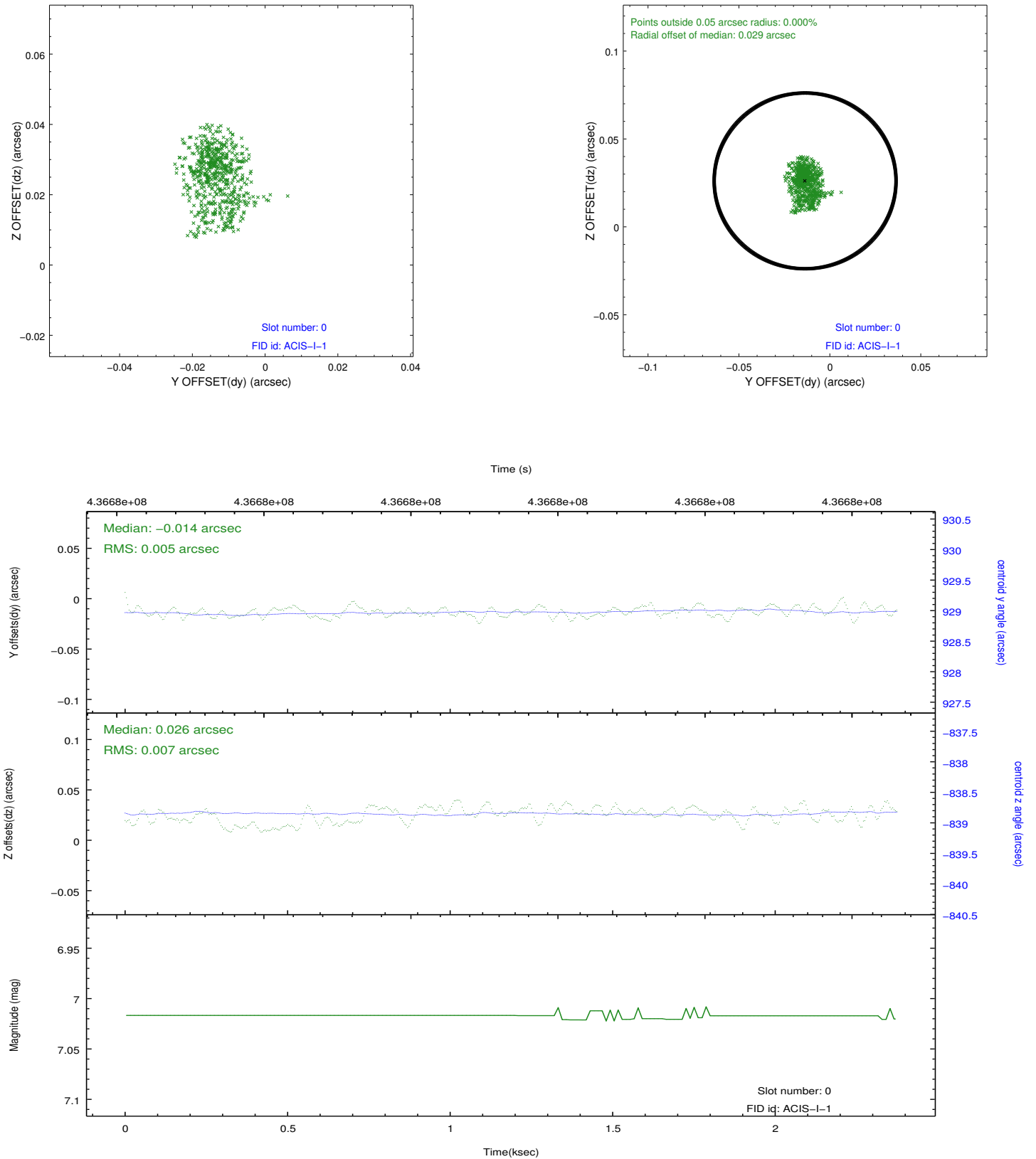


2.4.5 Slot 7

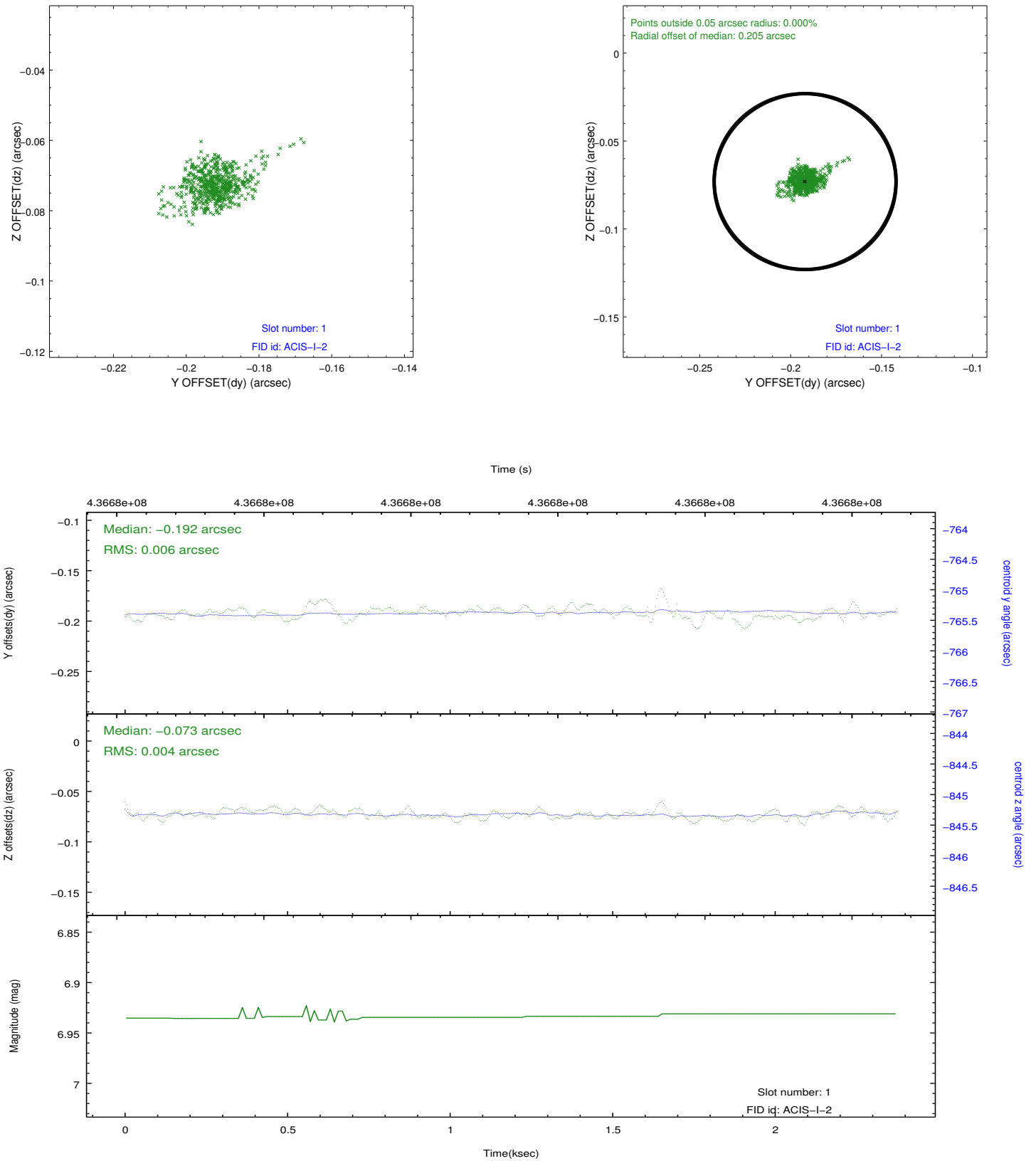


2.5 FID Slots

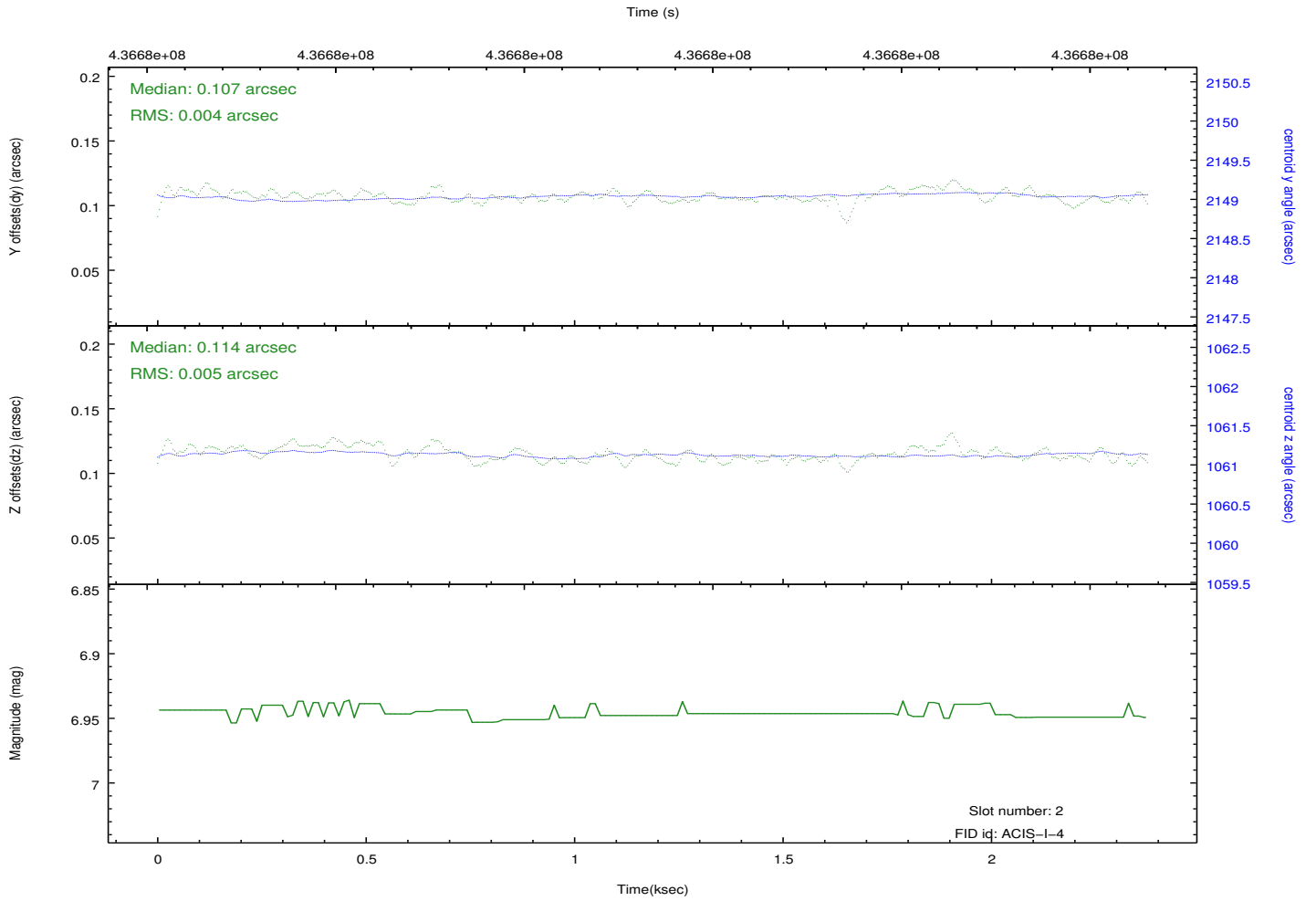
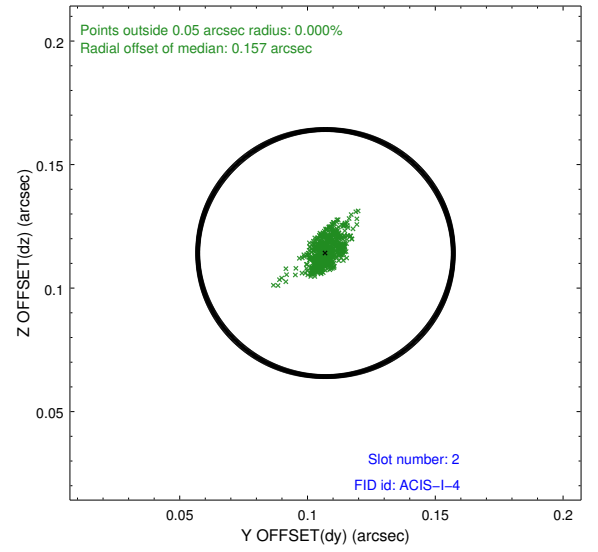
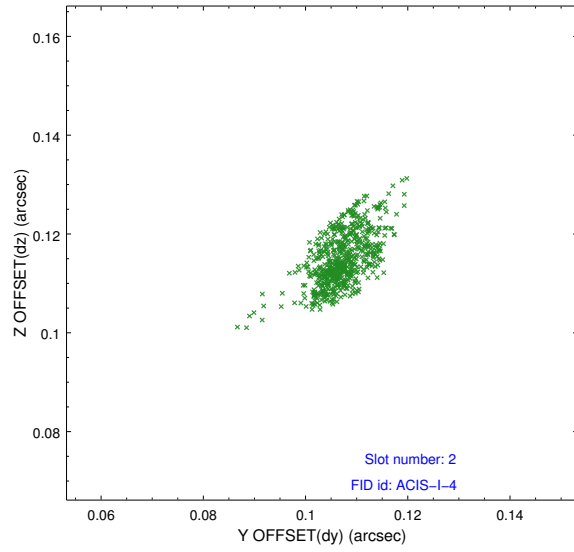
2.5.1 Slot 0



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	1.9739026188254

A.2 Comments

Joint Proposal: NOAO