

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10007 - L2 Version 2
Chandra X-Ray Center

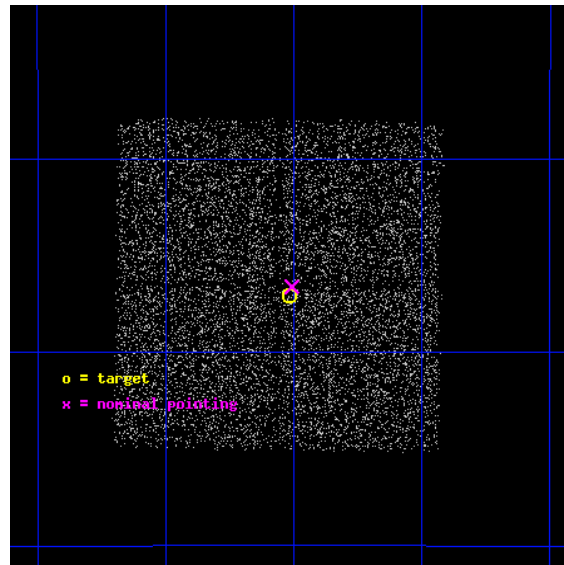
L2 Processing Date : Jun 1 2012

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1 Front

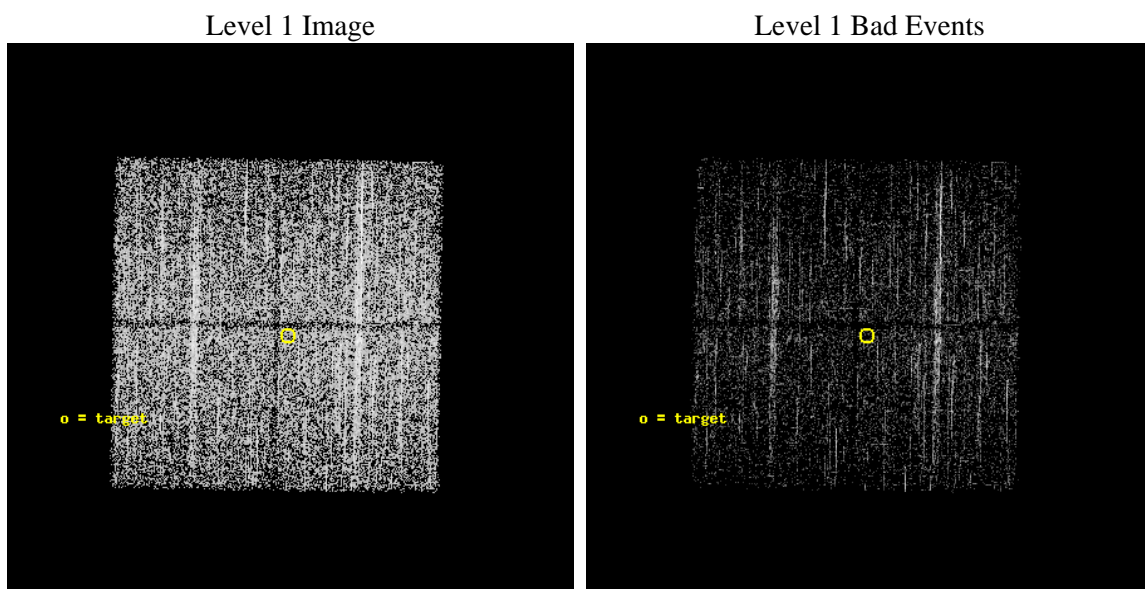
seq_num	400971	Sequence number
obs_id	10007	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.37975	Observer's specified target RA [deg]
dec_targ	-26.785	Observer's specified target Dec [deg]
ra_nom	265.37696098278	Nominal RA [deg]
dec_nom	-26.777140222376	Nominal Dec [deg]
roll_nom	90.871551097341	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10318	Number of level 2 events



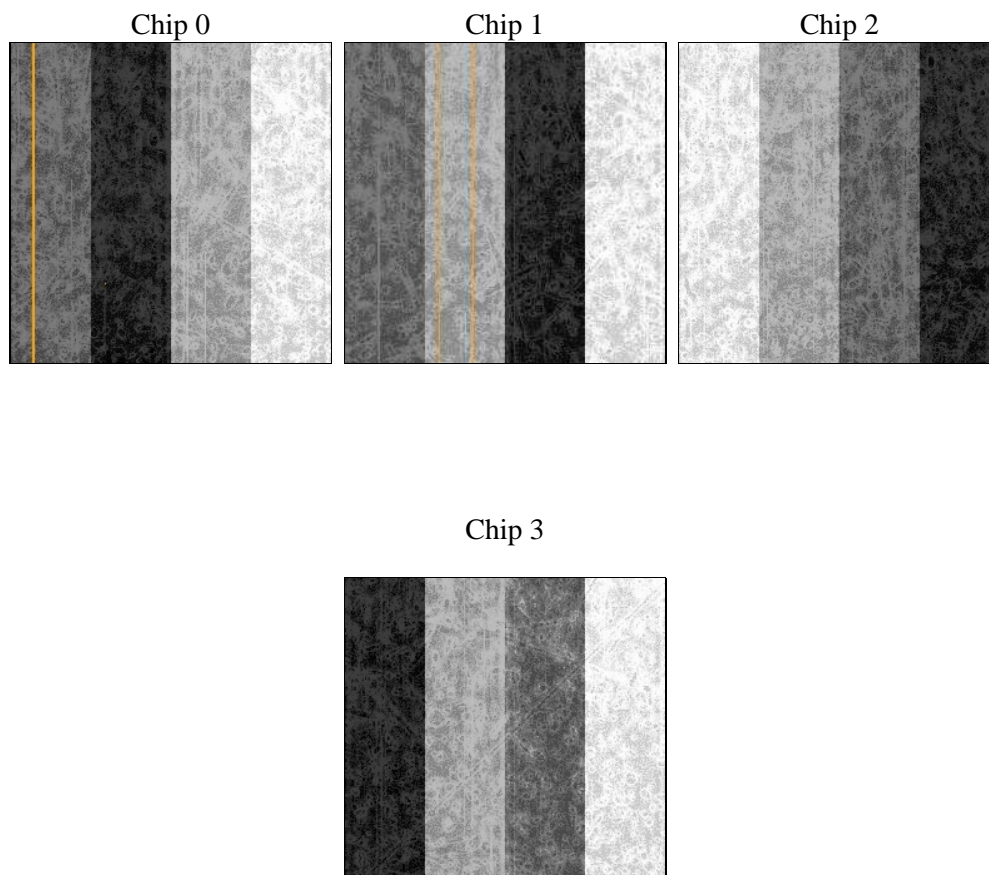
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T08:02:41	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	100411	Number of level 1 events

2.1.4 Events

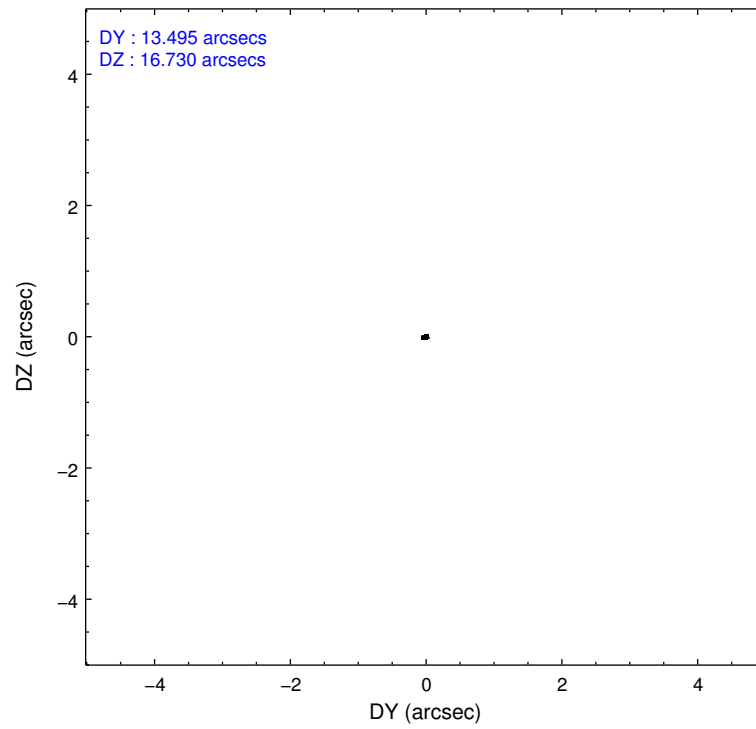
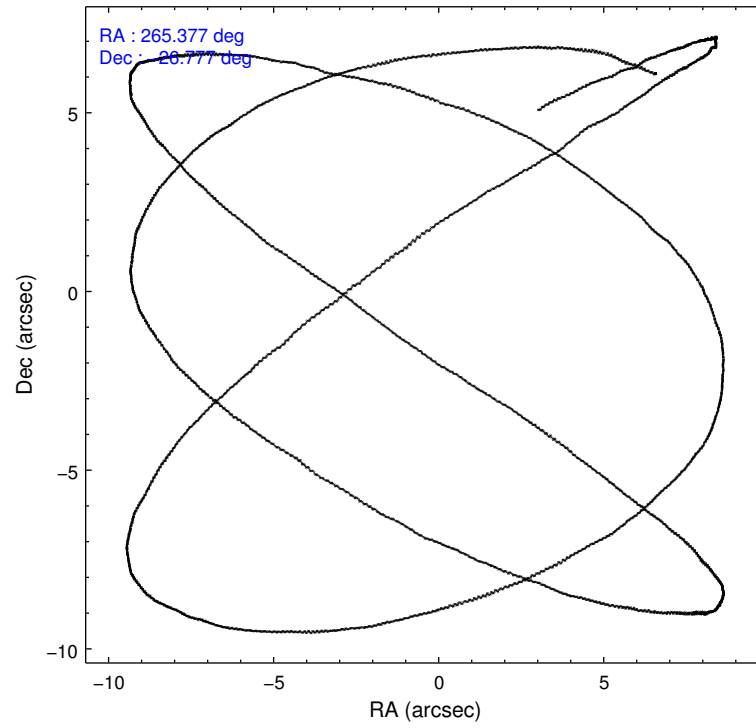
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23892	22908	26975	26636
rejected events	20898	19799	23987	23735
rejected %	87%	86%	88%	89%

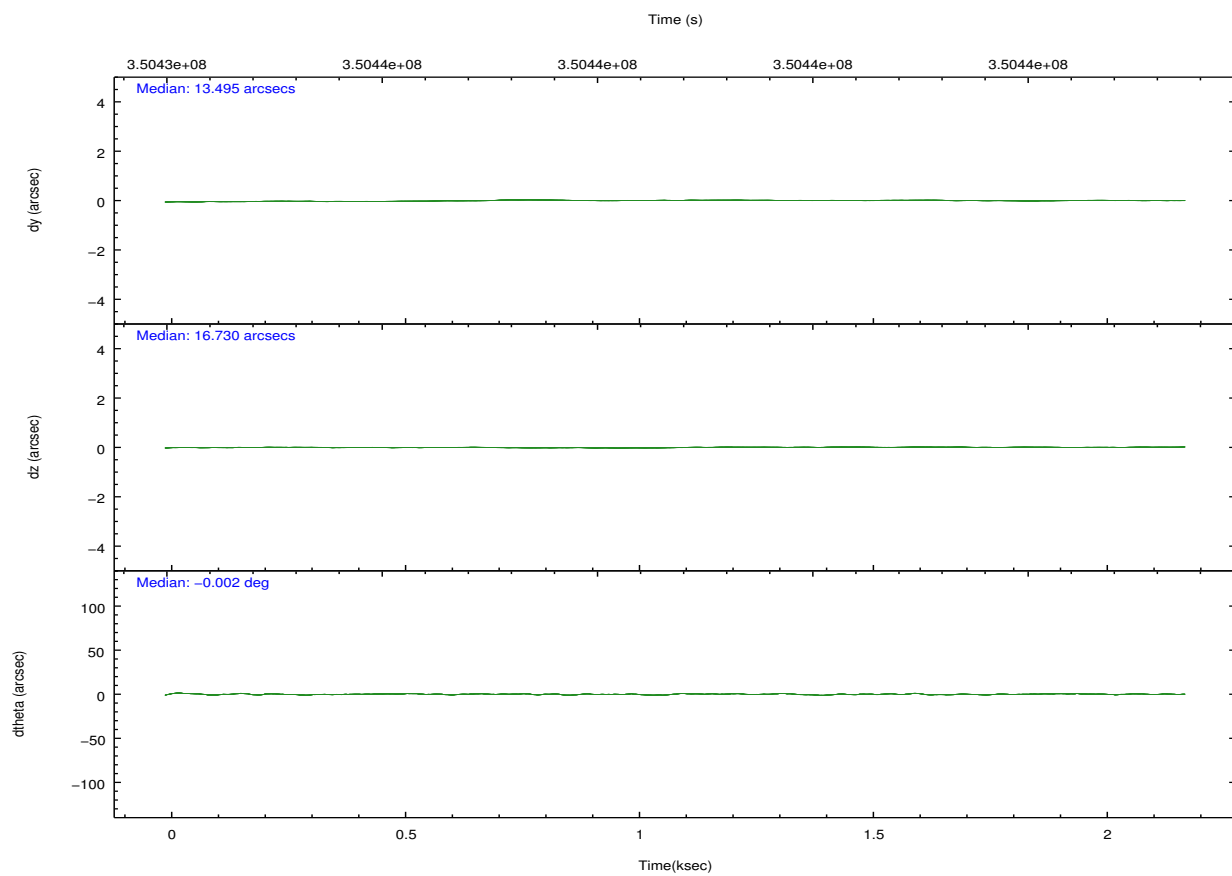
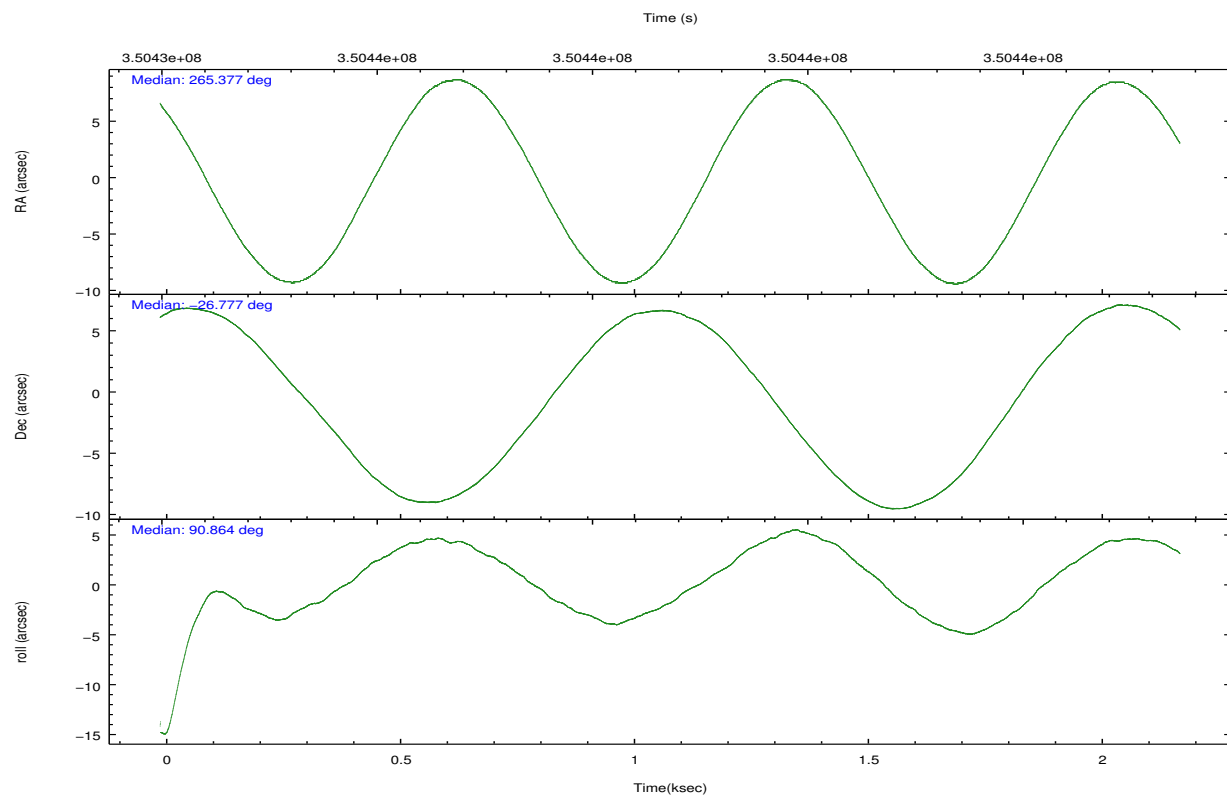
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1547	1443	1560	1470
	6%	6%	5%	5%
grade 1 events	15	11	24	19
	0%	0%	0%	0%
grade 2 events	779	811	712	682
	3%	3%	2%	2%
grade 3 events	294	317	286	313
	1%	1%	1%	1%
grade 4 events	279	328	306	302
	1%	1%	1%	1%
grade 5 events	1133	1175	1014	1195
	4%	5%	3%	4%
grade 6 events	565	707	560	577
	2%	3%	2%	2%
grade 7 events	19280	18116	22513	22078
	80%	79%	83%	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	265.392844	265.3769609827812	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.800869	-26.77714022237644	Alternating exposures requested	N	N
[deg] Pointing Roll	90.670083	90.87155109734105	[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)	350434758.184000	350434382.67253			
Observation start date	2009-02-07T22:58:12	2009-02-07T22:53:02			
[s] Observation end time (MET)	350436758.184000	350436892.89765			
Observation end date	2009-02-07T23:31:32	2009-02-07T23:34:52			
Read mode	TIMED	TIMED			

2.3 Aspect



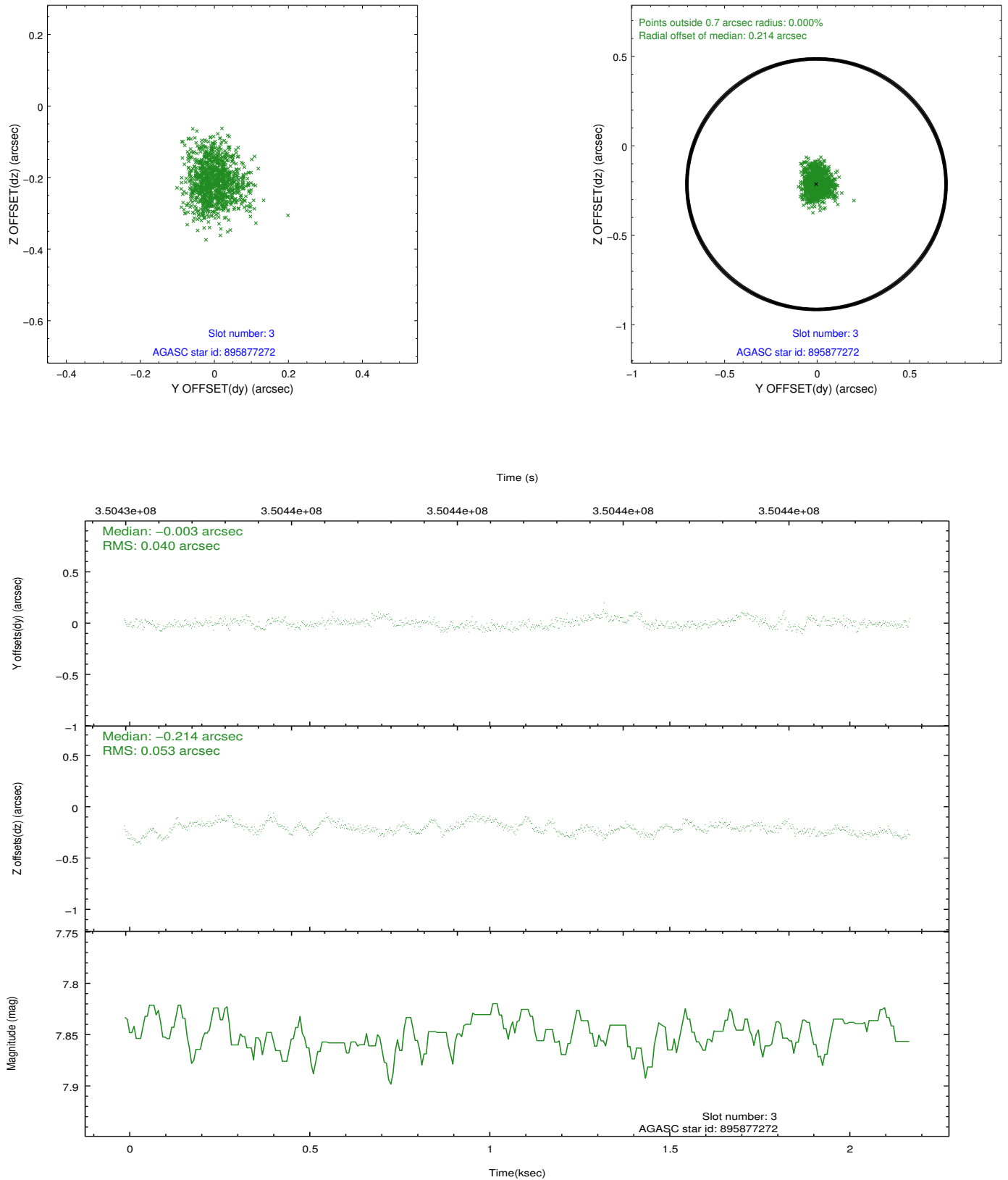


Slot Statistics

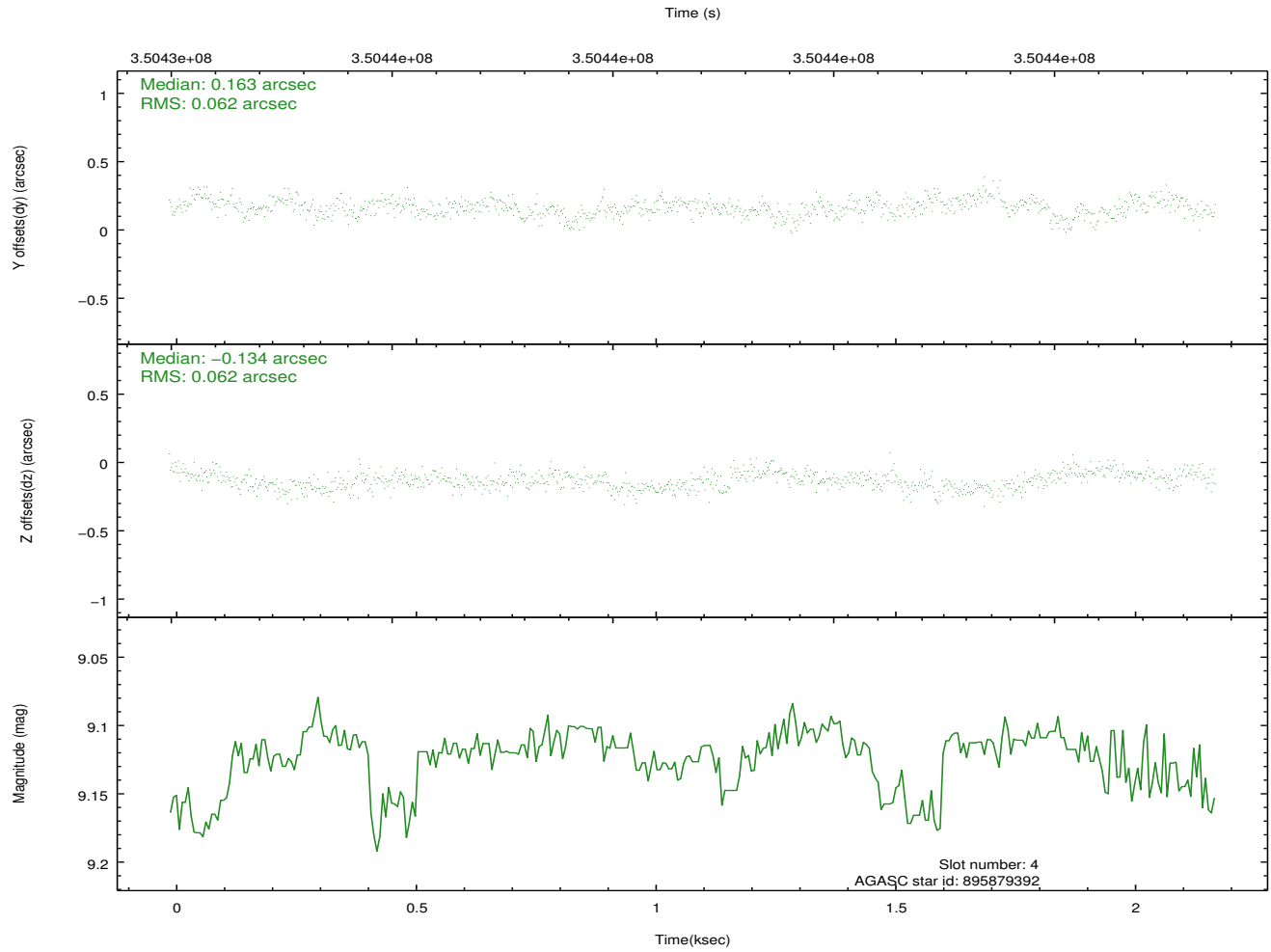
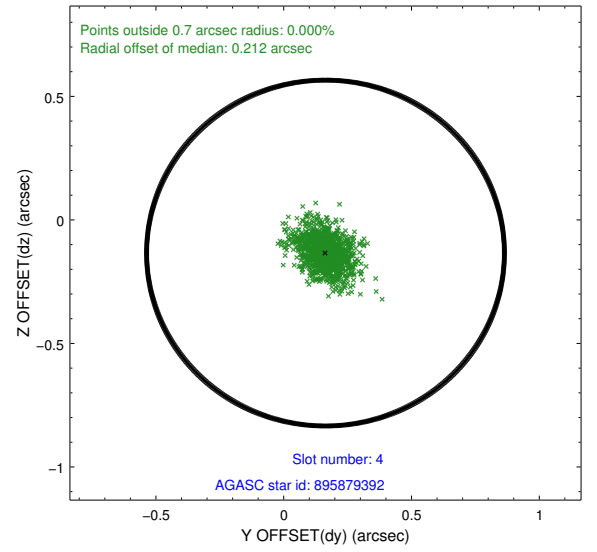
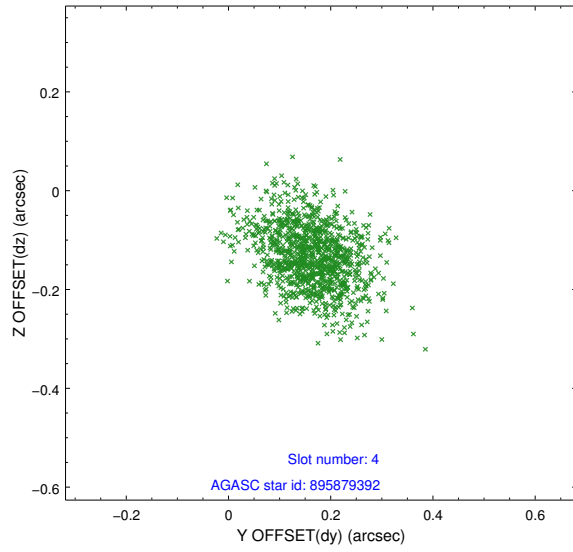
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	532	-0.010	-0.071	0.007	0.012	0.000000	0.000000	926.00	-840.45
1	FID	ACIS-I-4	6.95	532	0.132	0.078	0.007	0.013	0.000000	0.000000	2147.85	1058.00
2	FID	ACIS-I-5	7.01	532	-0.220	0.064	0.006	0.012	0.000000	0.000000	-1818.36	1059.25
3	GUIDE	895877272	7.85	1065	-0.003	-0.214	0.070	0.114	264.774842	-26.937569	-475.20	1989.36
4	GUIDE	895879392	9.12	1062	0.163	-0.134	0.092	0.156	264.792874	-27.441876	-2290.74	1945.81
5	GUIDE	895879840	7.20	1065	0.206	-0.090	0.074	0.112	265.218397	-27.395778	-2138.06	584.73
6	GUIDE	896015344	9.10	1064	-0.051	0.216	0.082	0.127	265.913290	-26.611586	656.01	-1681.64
7	GUIDE	896015880	8.52	1064	-0.317	0.220	0.082	0.133	265.986633	-26.306686	1752.16	-1937.63

2.4 Star Slots

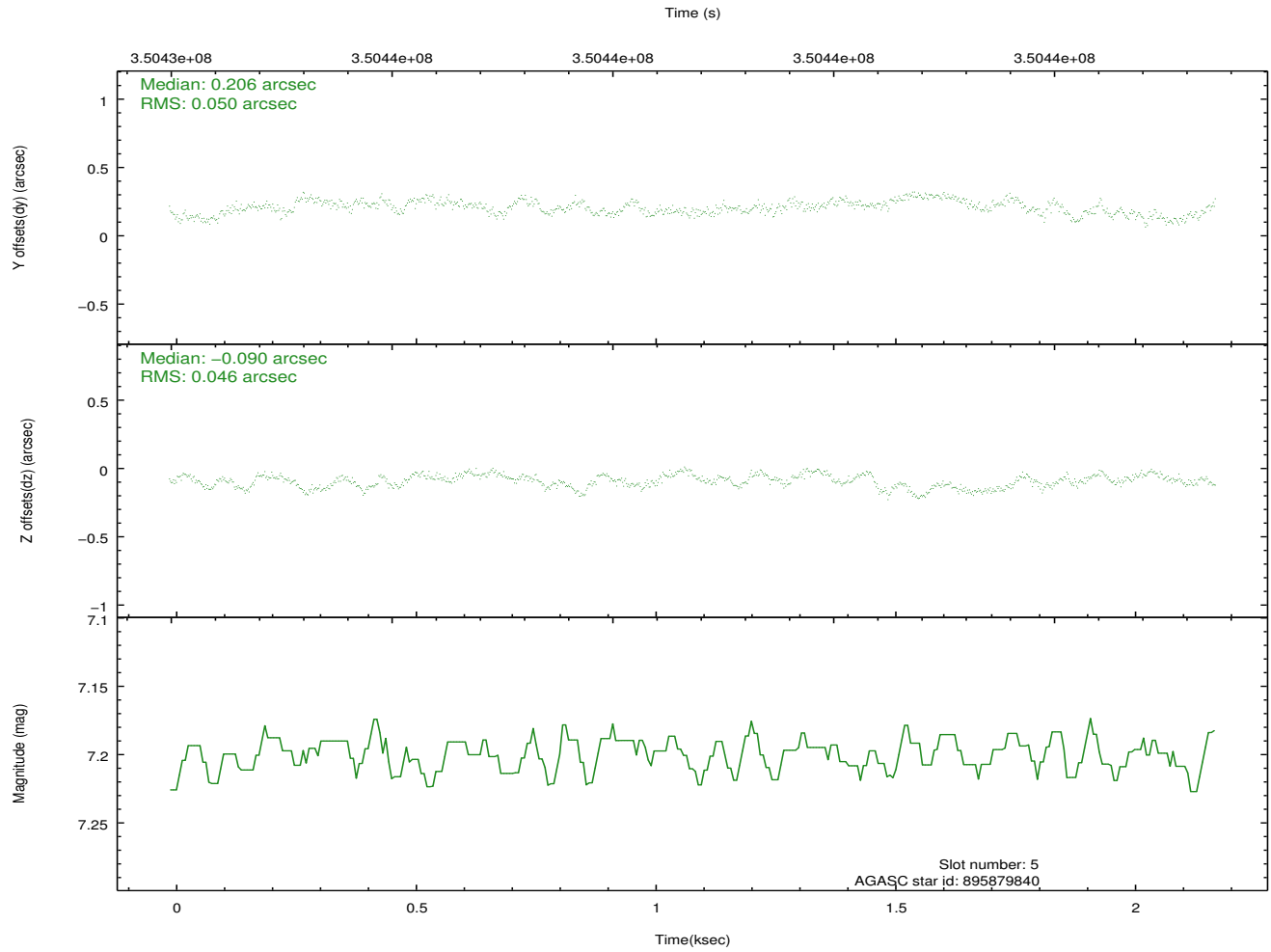
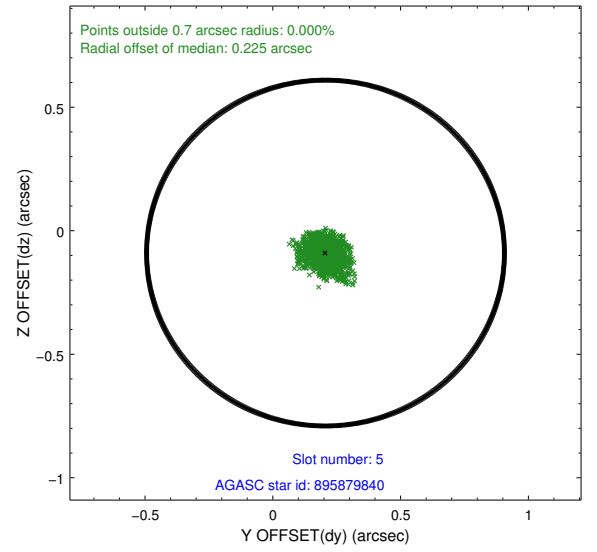
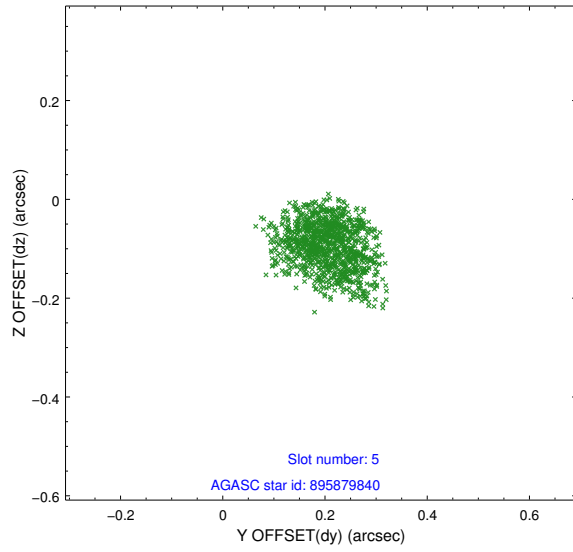
2.4.1 Slot 3



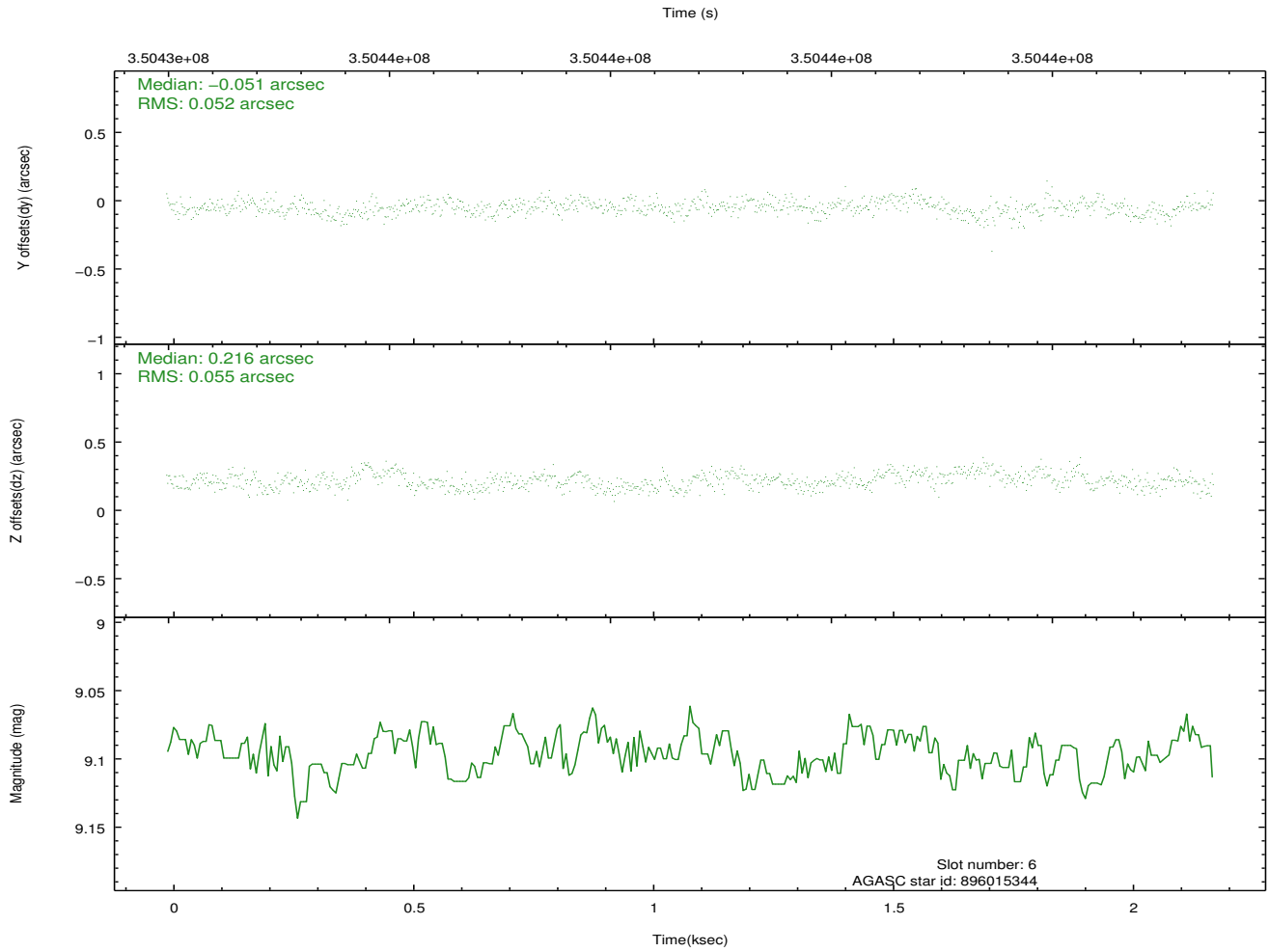
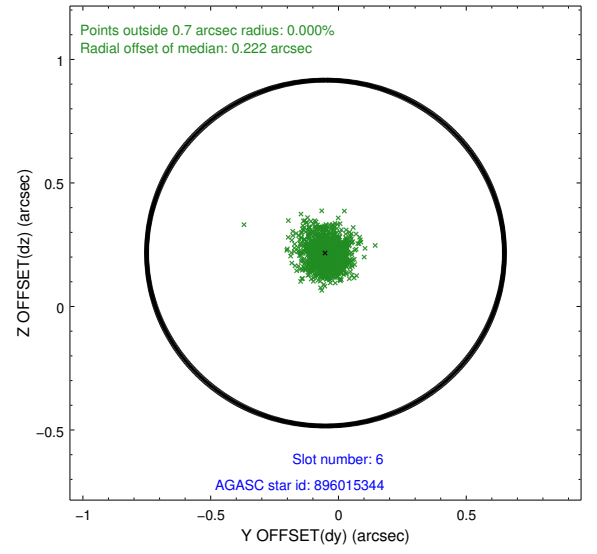
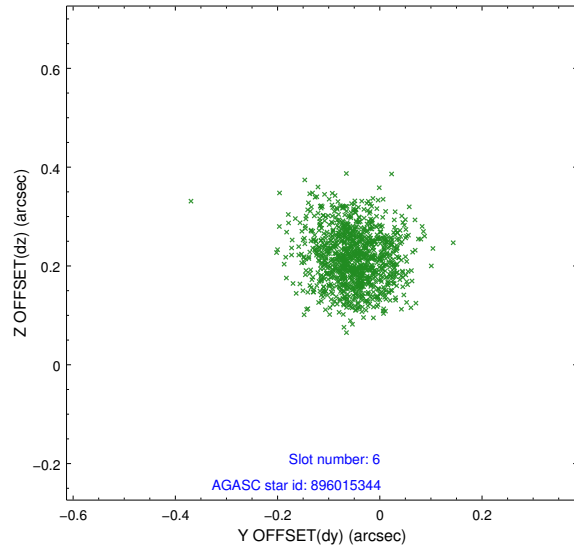
2.4.2 Slot 4



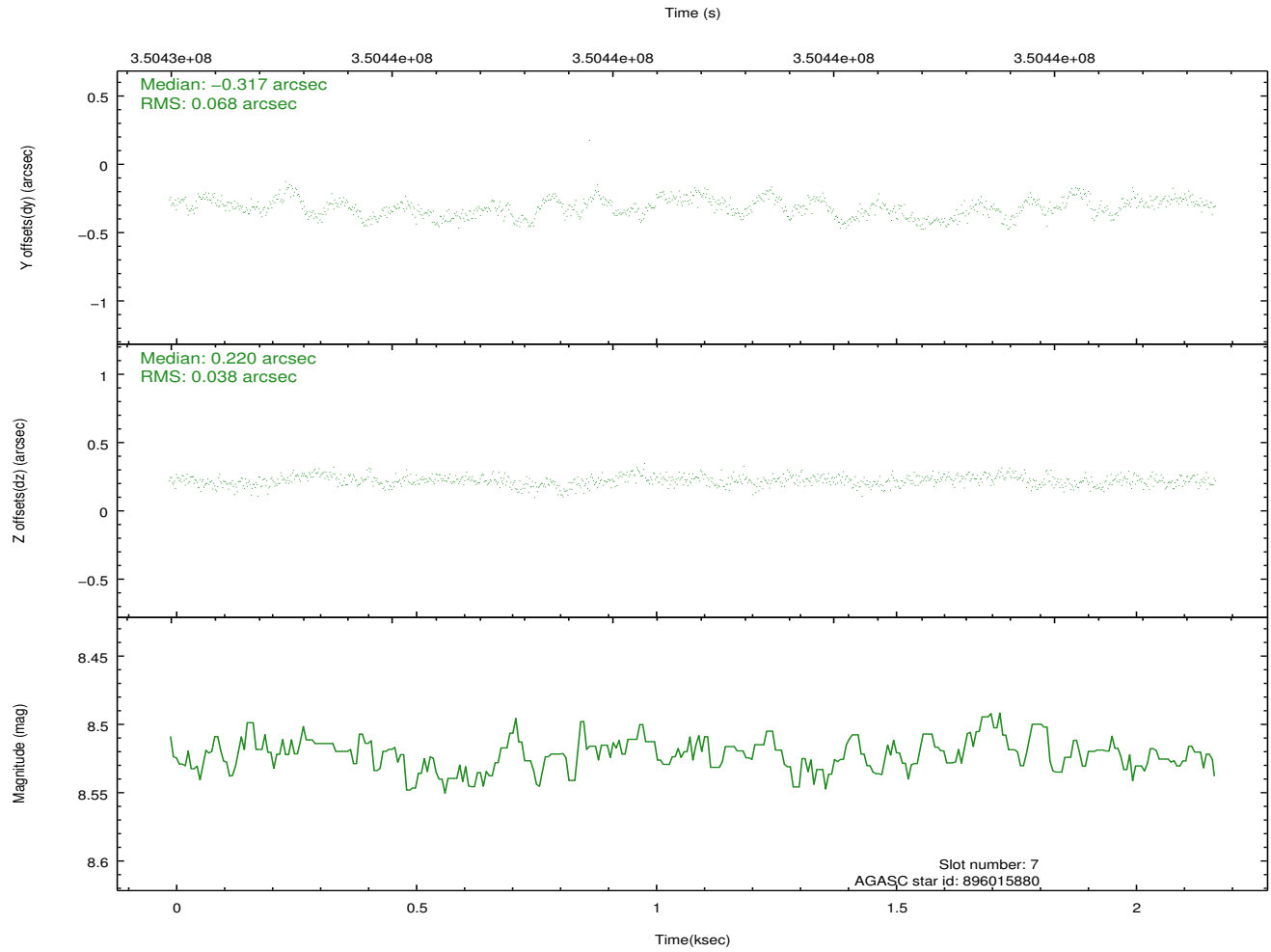
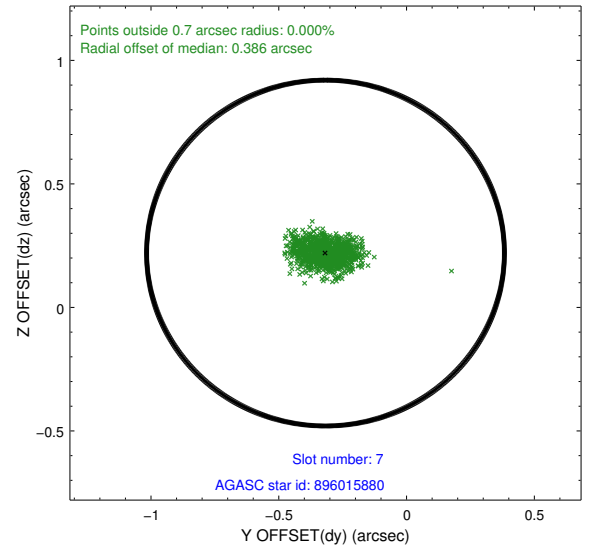
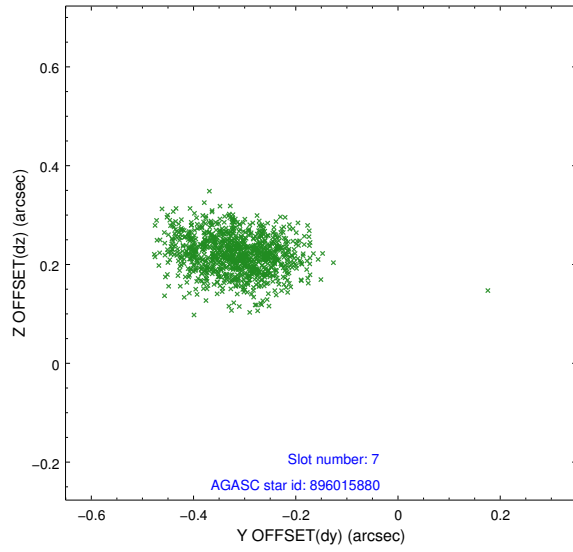
2.4.3 Slot 5



2.4.4 Slot 6

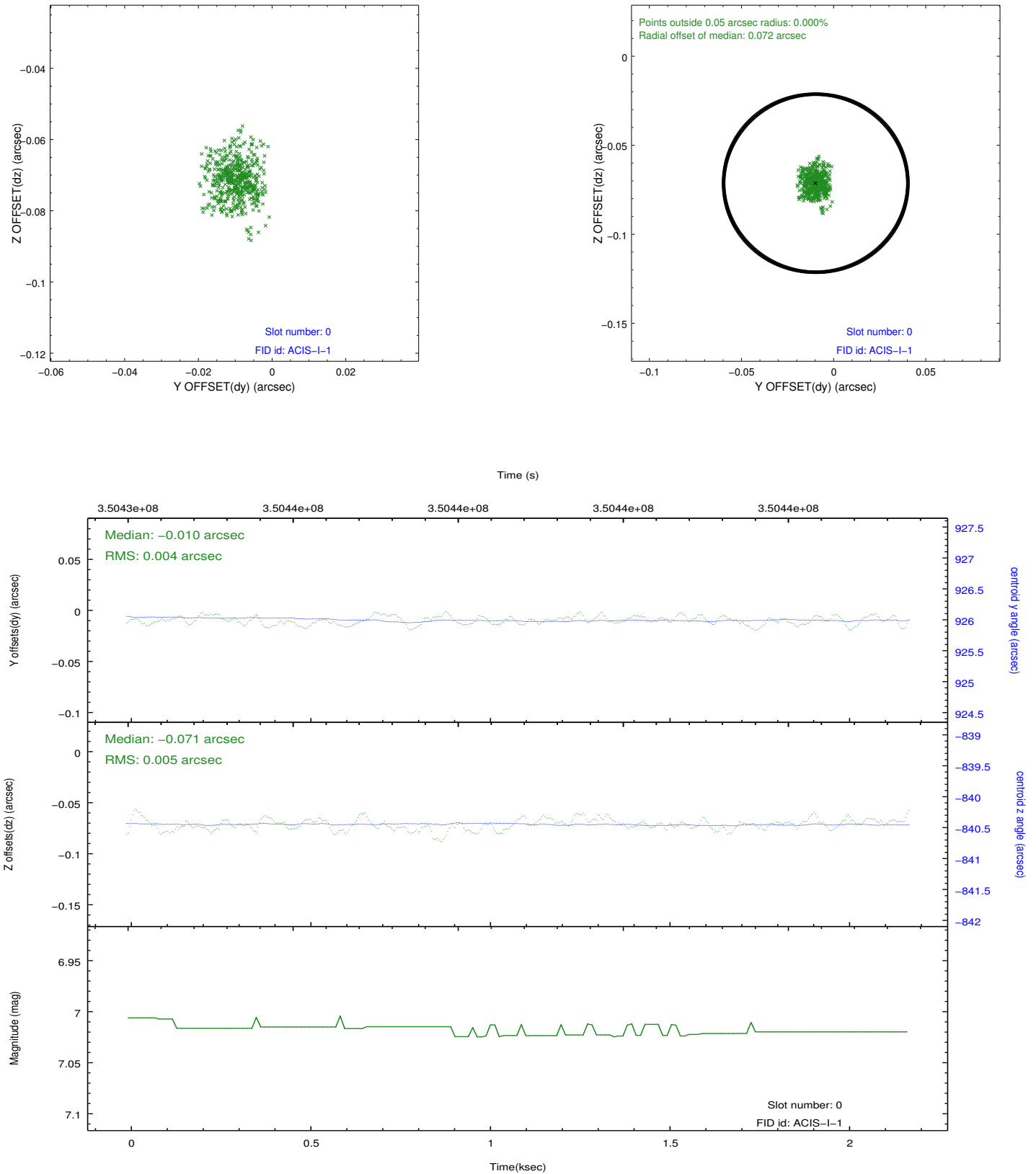


2.4.5 Slot 7

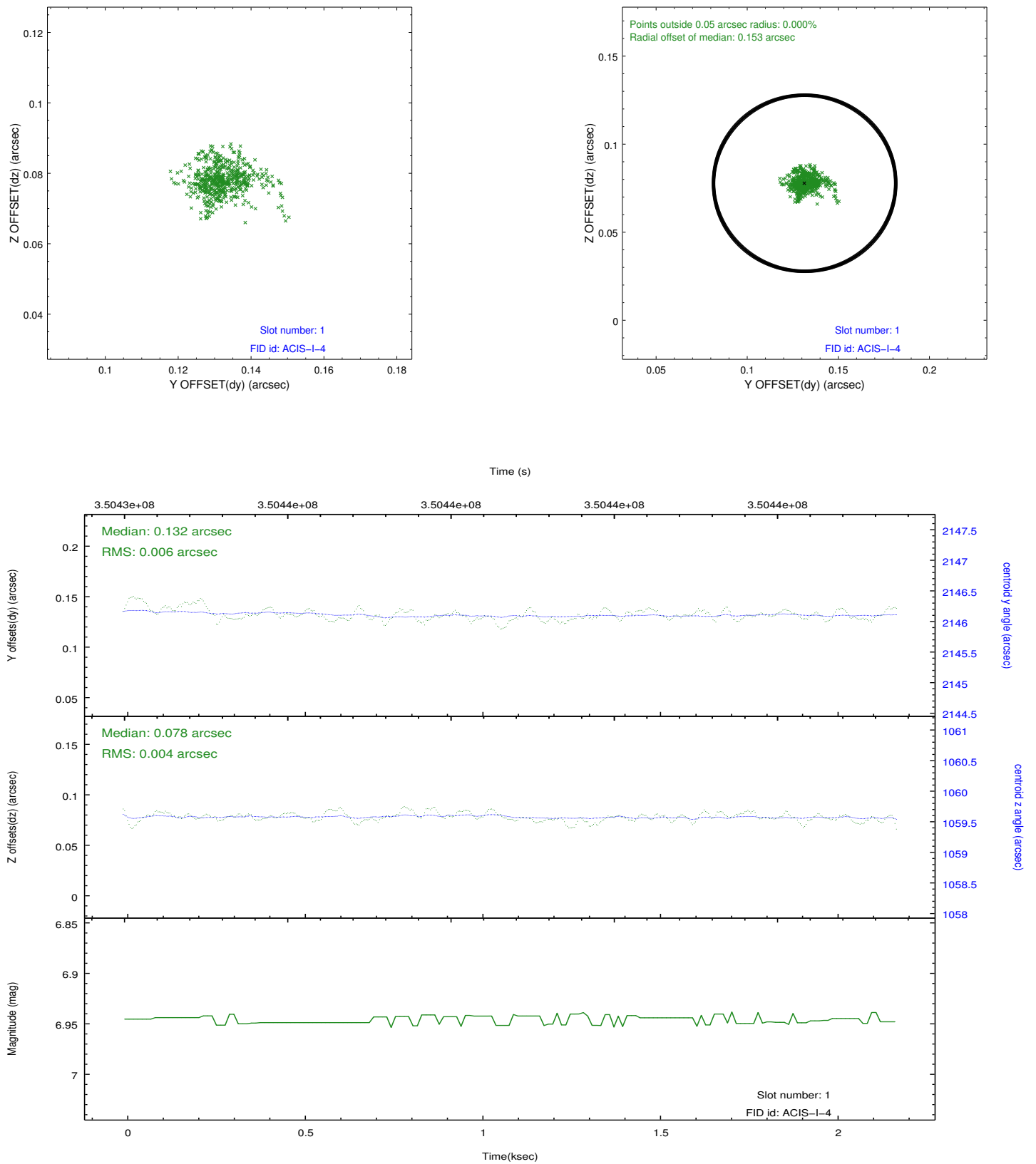


2.5 FID Slots

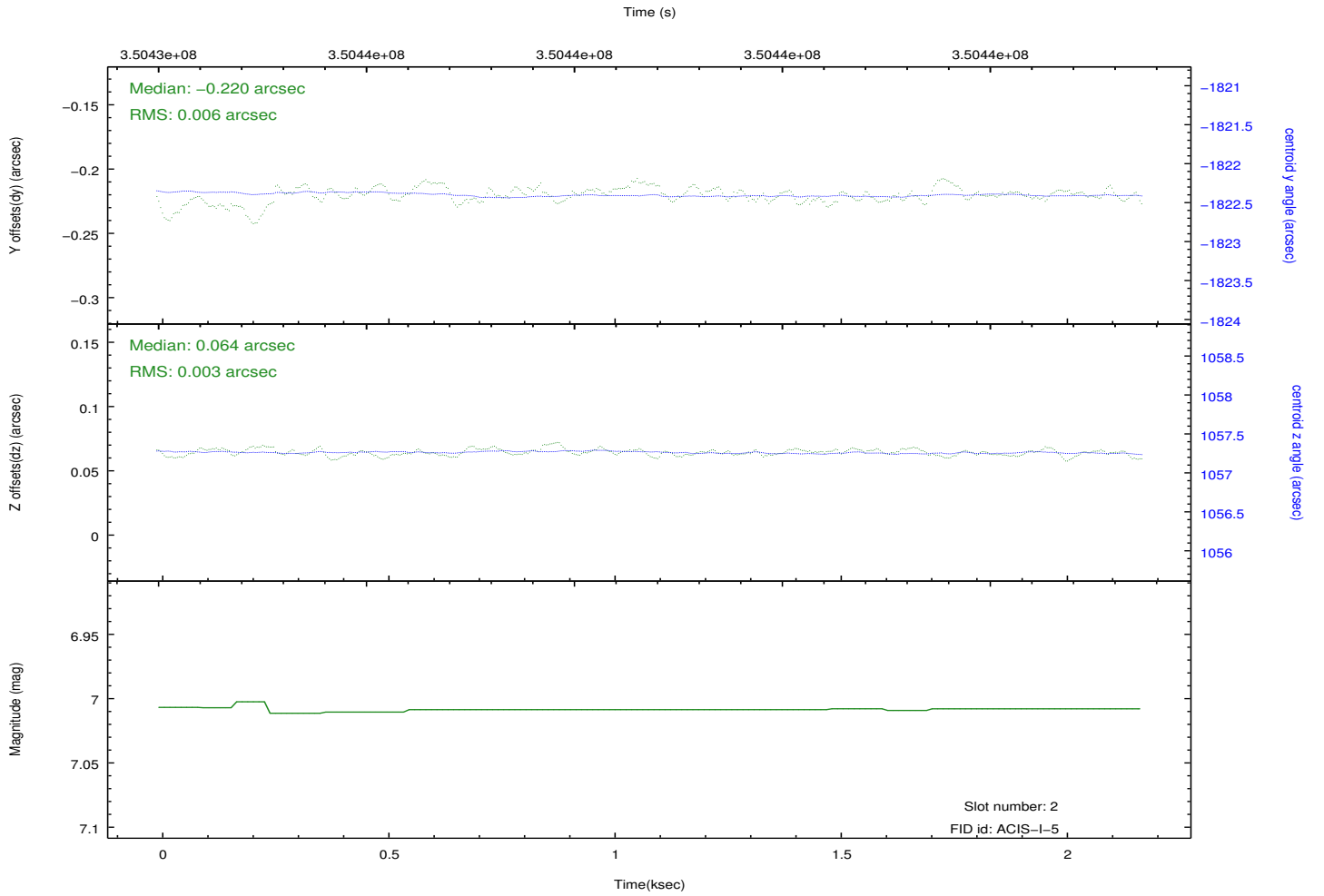
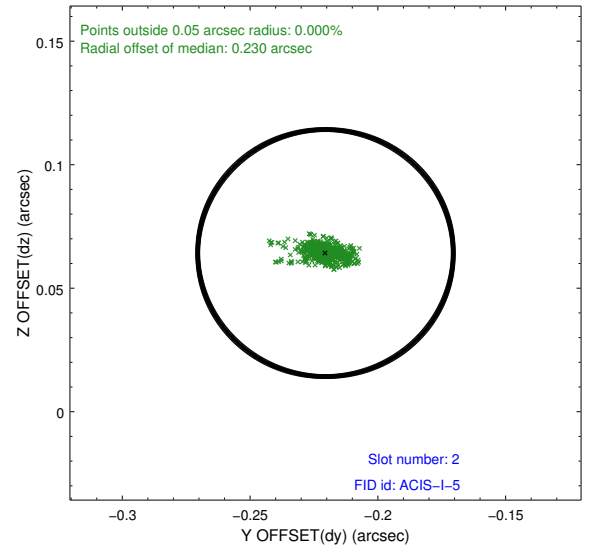
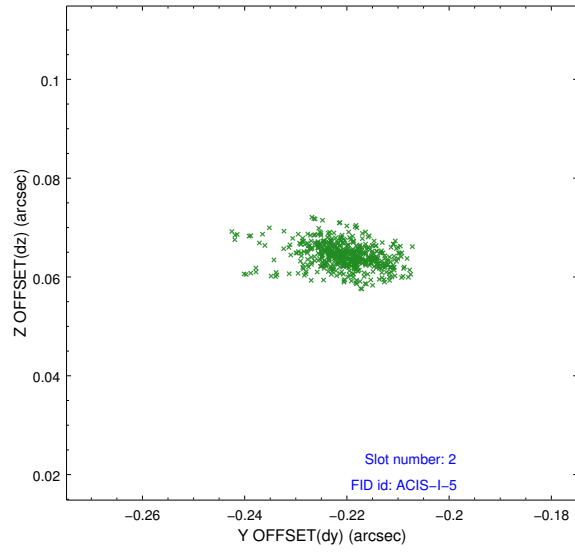
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.