

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12092 - L2 Version 2
Chandra X-Ray Center

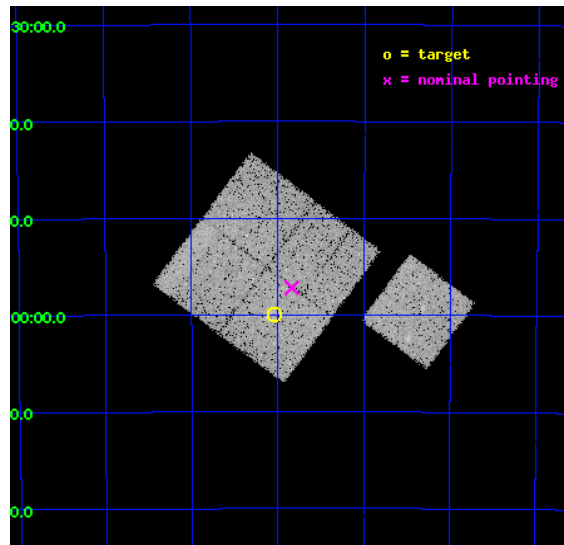
L2 Processing Date : Jul 1 2012

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1 Front

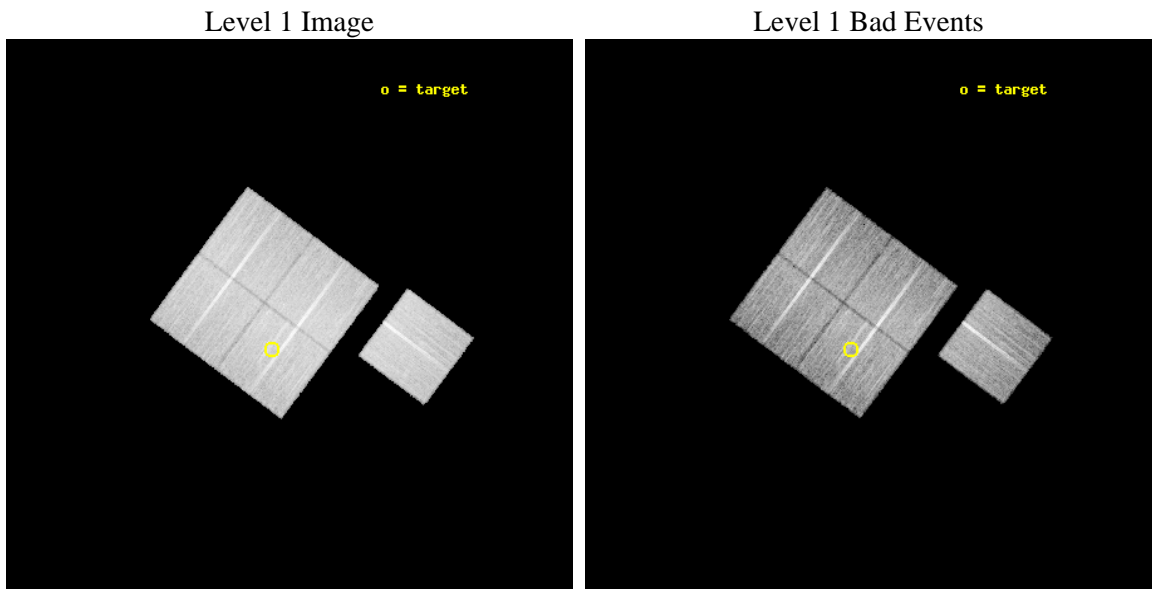
seq_num	800887	Sequence number
obs_id	12092	Observation id
title	Chandra Observations of a Complete Sample of SZE Selected Galaxy Clusters	Proposal title
observer	Dr Joseph Mohr	Principal investigator
object	SPT-CL 0528-5300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.010833	Observer's specified target RA [deg]
dec_targ	-52.998	Observer's specified target Dec [deg]
ra_nom	81.95936352182	Nominal RA [deg]
dec_nom	-52.953268261697	Nominal Dec [deg]
roll_nom	126.74814197424	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20038.277263105	Sum of GTIs [s]
livetime	19776.462418697	Livetime [s]
ontime0	20044.55919385	Sum of GTIs [s]
ontime1	20047.700154185	Sum of GTIs [s]
ontime2	20047.700154185	Sum of GTIs [s]
ontime3	20038.277263105	Sum of GTIs [s]
ontime6	20044.55919385	Sum of GTIs [s]
l2events	68526	Number of level 2 events



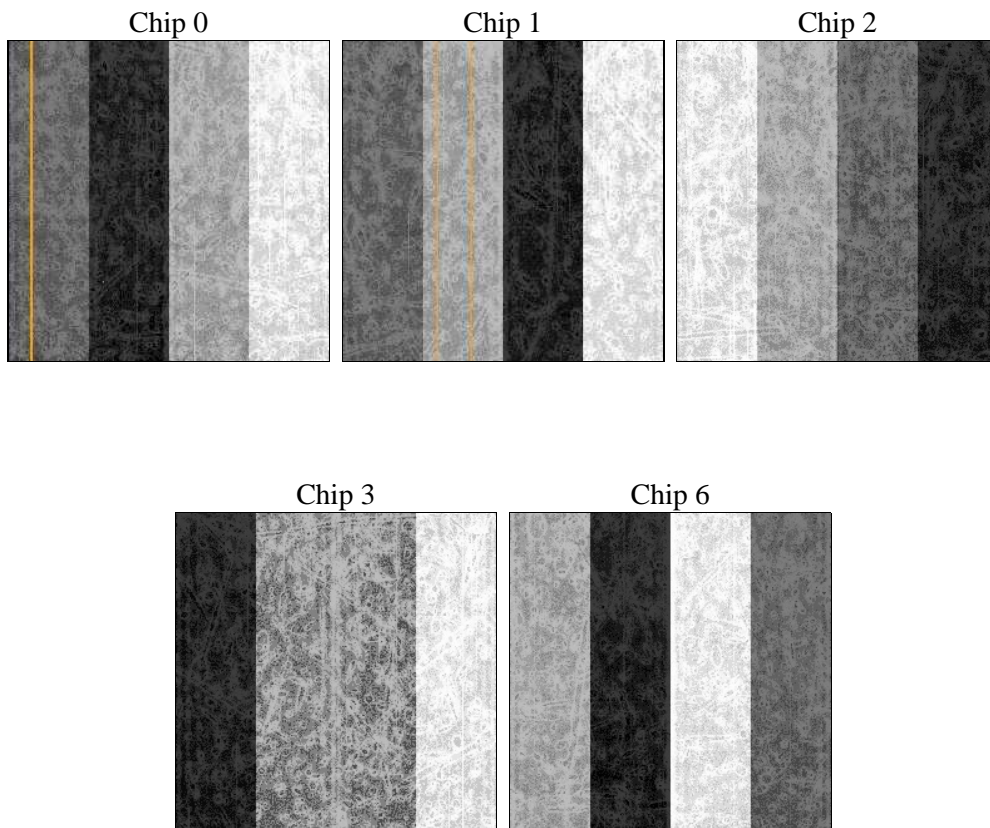
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20038.277263105	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	20044.55919385	Sum of GTIs [s]
date	2012-07-01T03:39:15	Date and time of file creation	ontime1	20047.700154185	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20047.700154185	Sum of GTIs [s]
			ontime3	20038.277263105	Sum of GTIs [s]
			ontime6	20044.55919385	Sum of GTIs [s]
			l1events	711405	Number of level 1 events

2.1.4 Events

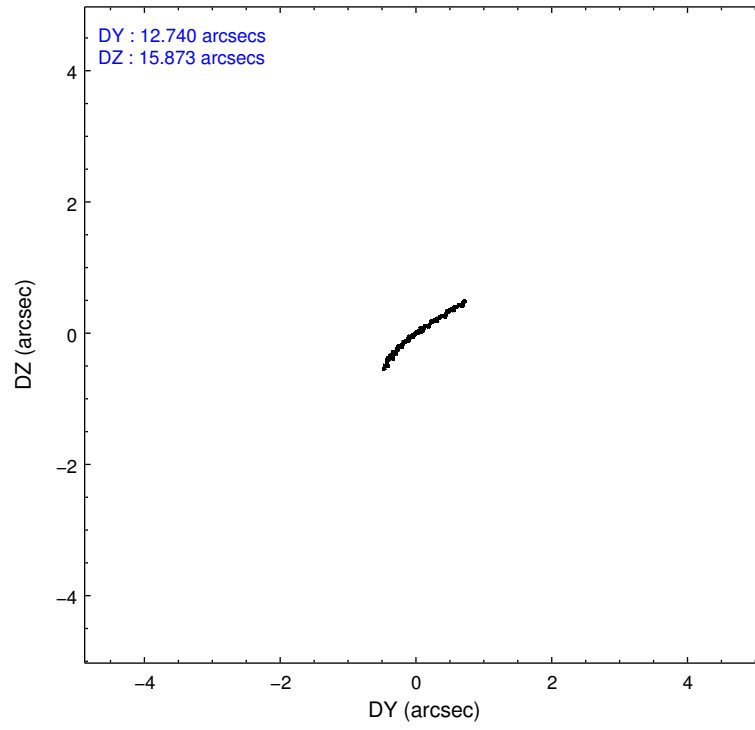
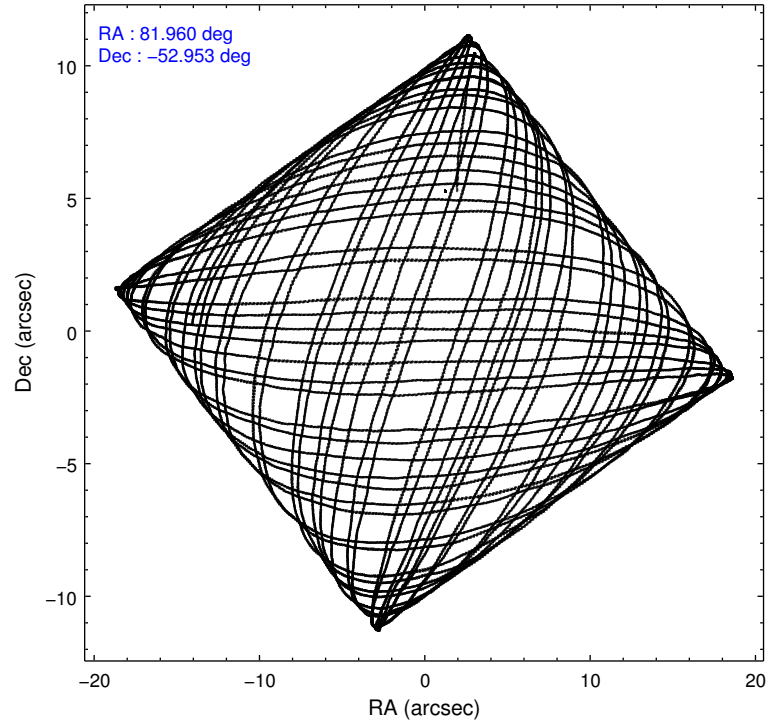
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	135788	134394	148801	146398	146024
rejected events	119464	116712	133054	130740	129596
rejected %	87%	86%	89%	89%	88%

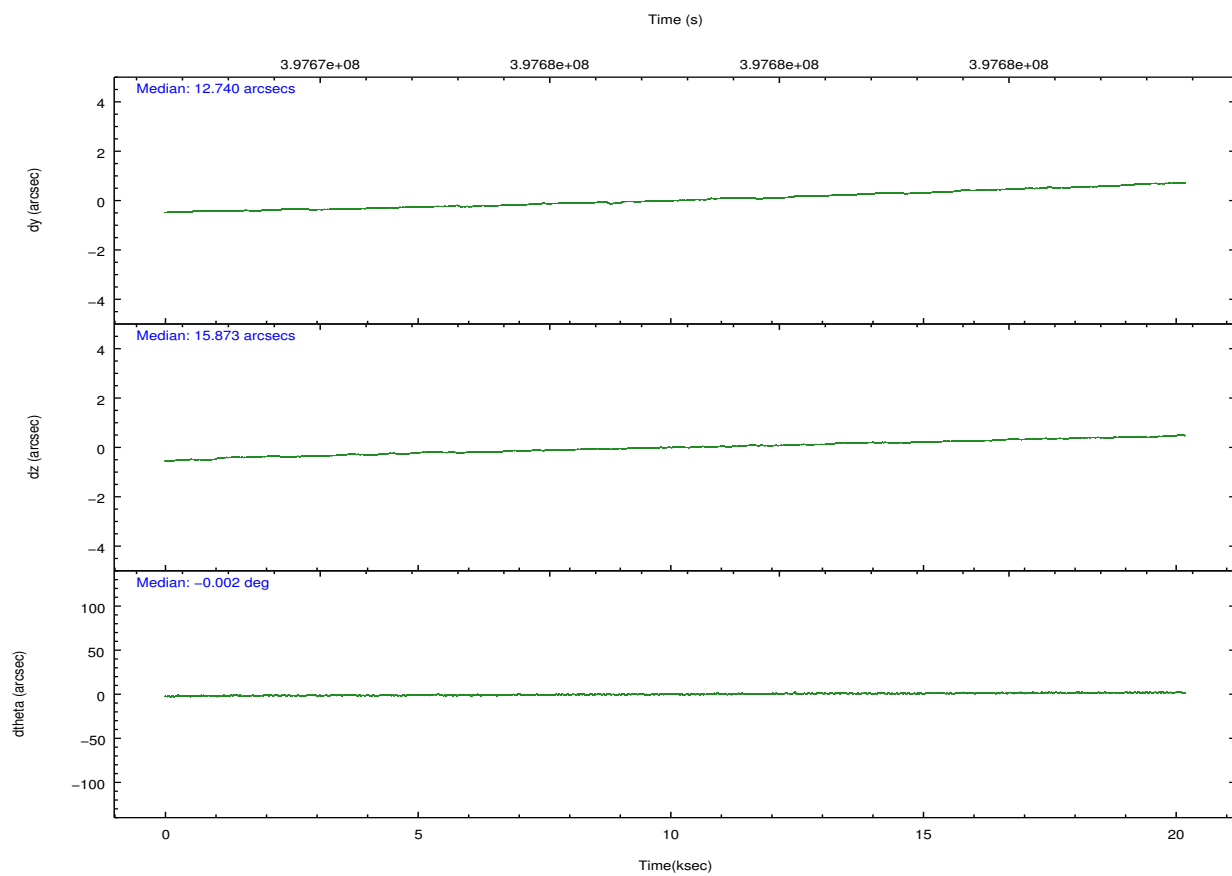
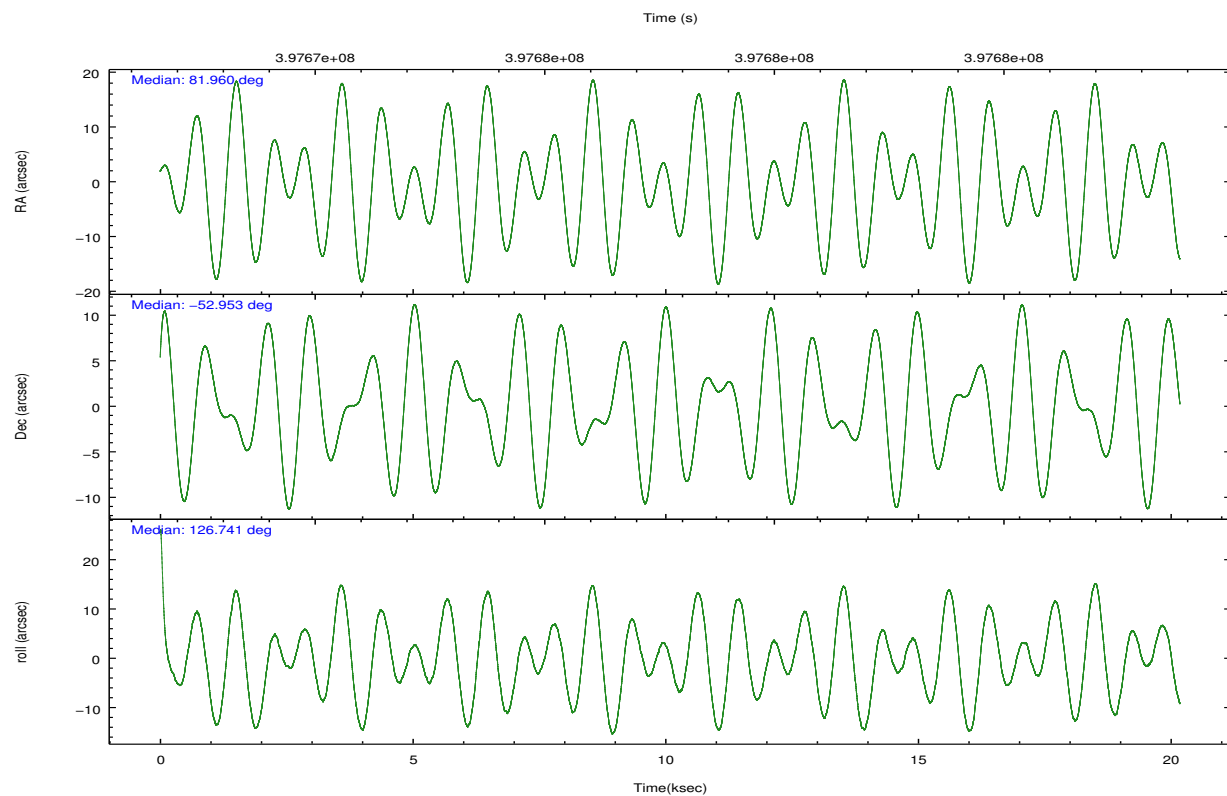
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5745	6328	5693	5750	5721
	4%	4%	3%	3%	3%
grade 1 events	84	67	89	99	76
	0%	0%	0%	0%	0%
grade 2 events	3905	4113	3825	3502	3668
	2%	3%	2%	2%	2%
grade 3 events	1742	1831	1631	1645	1801
	1%	1%	1%	1%	1%
grade 4 events	1676	1787	1628	1660	1664
	1%	1%	1%	1%	1%
grade 5 events	5954	6357	5604	6744	6649
	4%	4%	3%	4%	4%
grade 6 events	3262	3633	2975	3104	3579
	2%	2%	1%	2%	2%
grade 7 events	113420	110278	127356	123894	122866
	83%	82%	85%	84%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	82.001370	81.95936352181985	CCD I2 on	Y	Y
[deg] Pointing Dec	-52.964030	-52.9532682616972	CCD I3 on	Y	Y
[deg] Pointing Roll	126.572972	126.7481419742355	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-225.840463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.752	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	397667822.184000	397666150.32662	CCD S5 on	N	N
Observation start date	2010-08-08T15:15:56	2010-08-08T14:49:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	397687822.184000	397689286.11531	On-chip summing requested	N	N
Observation end date	2010-08-08T20:49:16	2010-08-08T21:14:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



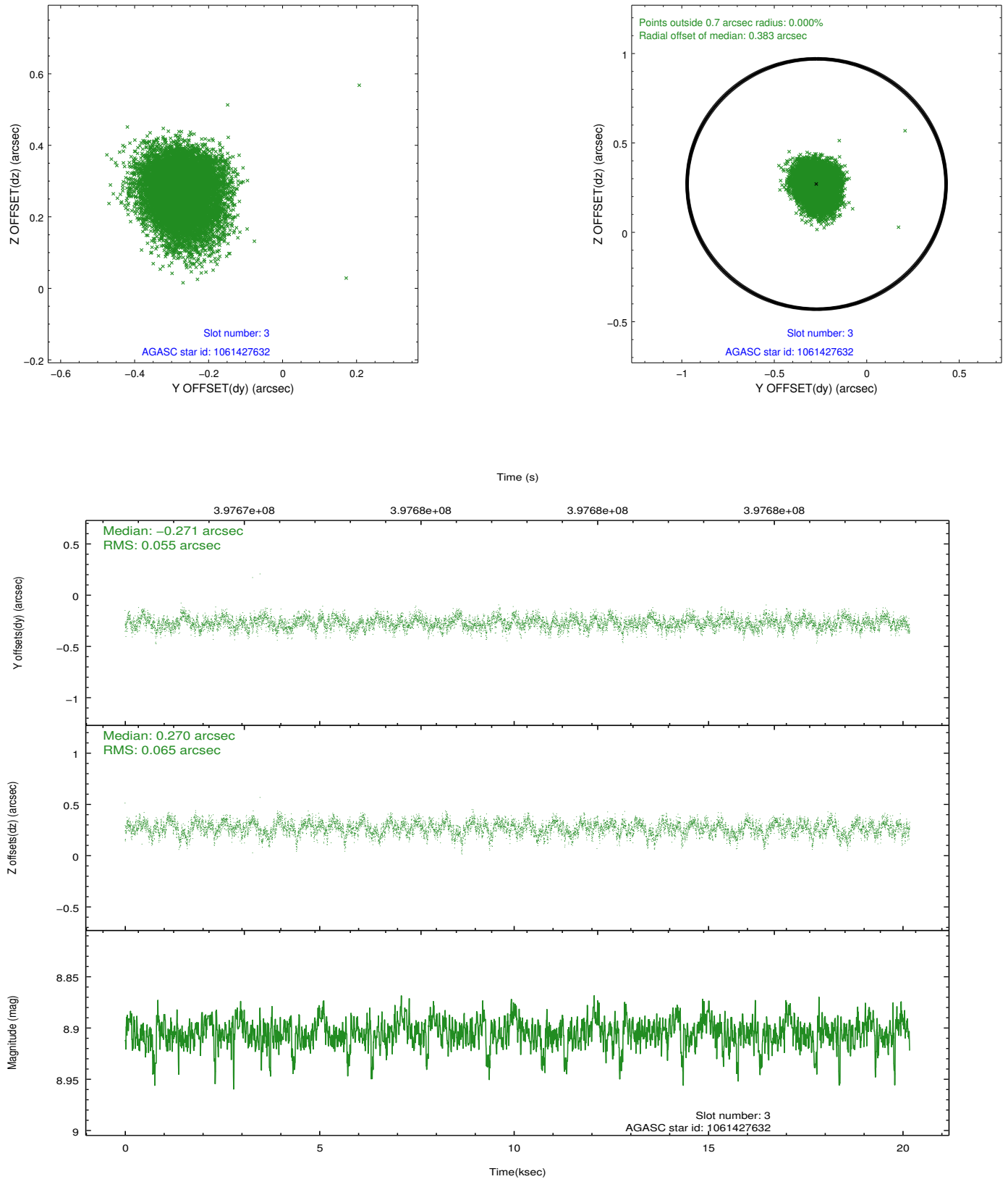


Slot Statistics

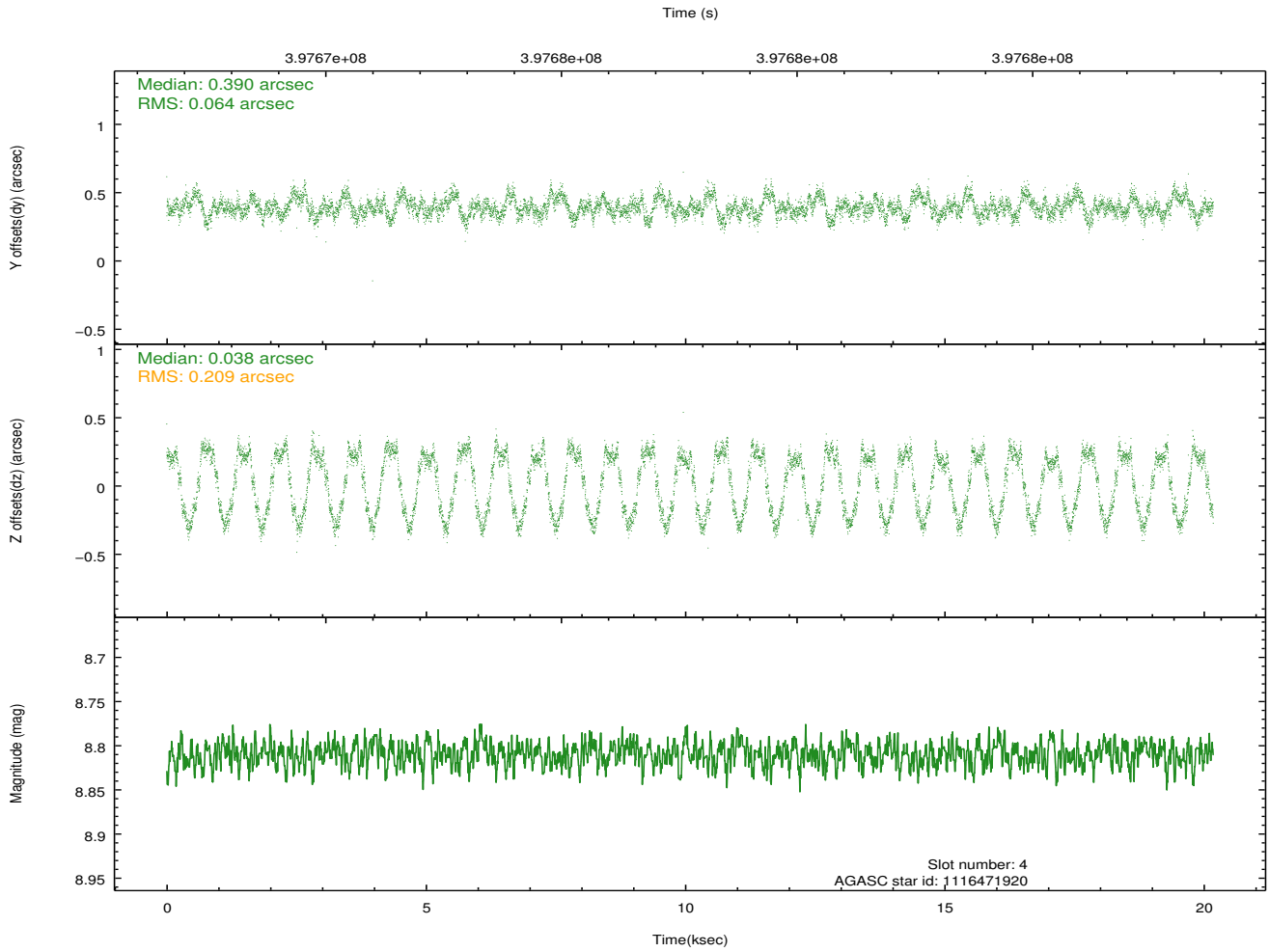
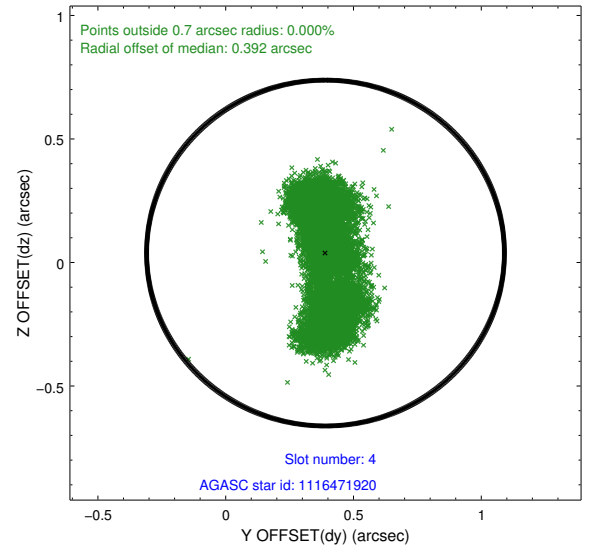
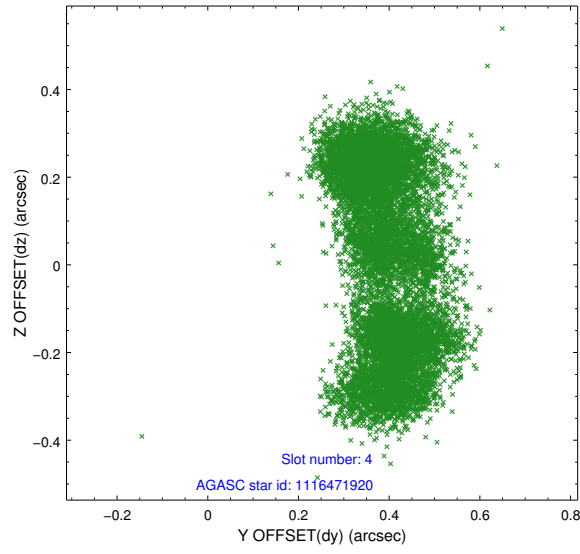
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	4922	0.120	-0.097	0.017	0.027	0.000000	0.000000	926.71	-998.67
1	FID	ACIS-I-5	7.01	4922	-0.244	0.106	0.020	0.037	0.000000	0.000000	-1821.67	898.90
2	FID	ACIS-I-6	7.03	4922	0.035	0.061	0.009	0.014	0.000000	0.000000	391.97	1543.57
3	GUIDE	1061427632	8.90	9796	-0.271	0.270	0.091	0.145	82.581997	-52.440638	750.37	-2142.71
4	GUIDE	1116471920	8.81	9840	0.390	0.038	0.240	0.349	82.785416	-52.710471	-292.31	-1911.67
5	GUIDE	1116472768	8.65	9836	-0.224	-0.042	0.113	0.165	81.201044	-52.621201	2025.49	675.36
6	GUIDE	1116477608	8.19	9840	-0.157	0.234	0.071	0.110	82.436900	-53.265653	-1432.90	-104.12
7	GUIDE	1116480536	8.47	9839	0.259	-0.467	0.112	0.188	81.460168	-53.582672	-1102.82	2258.15

2.4 Star Slots

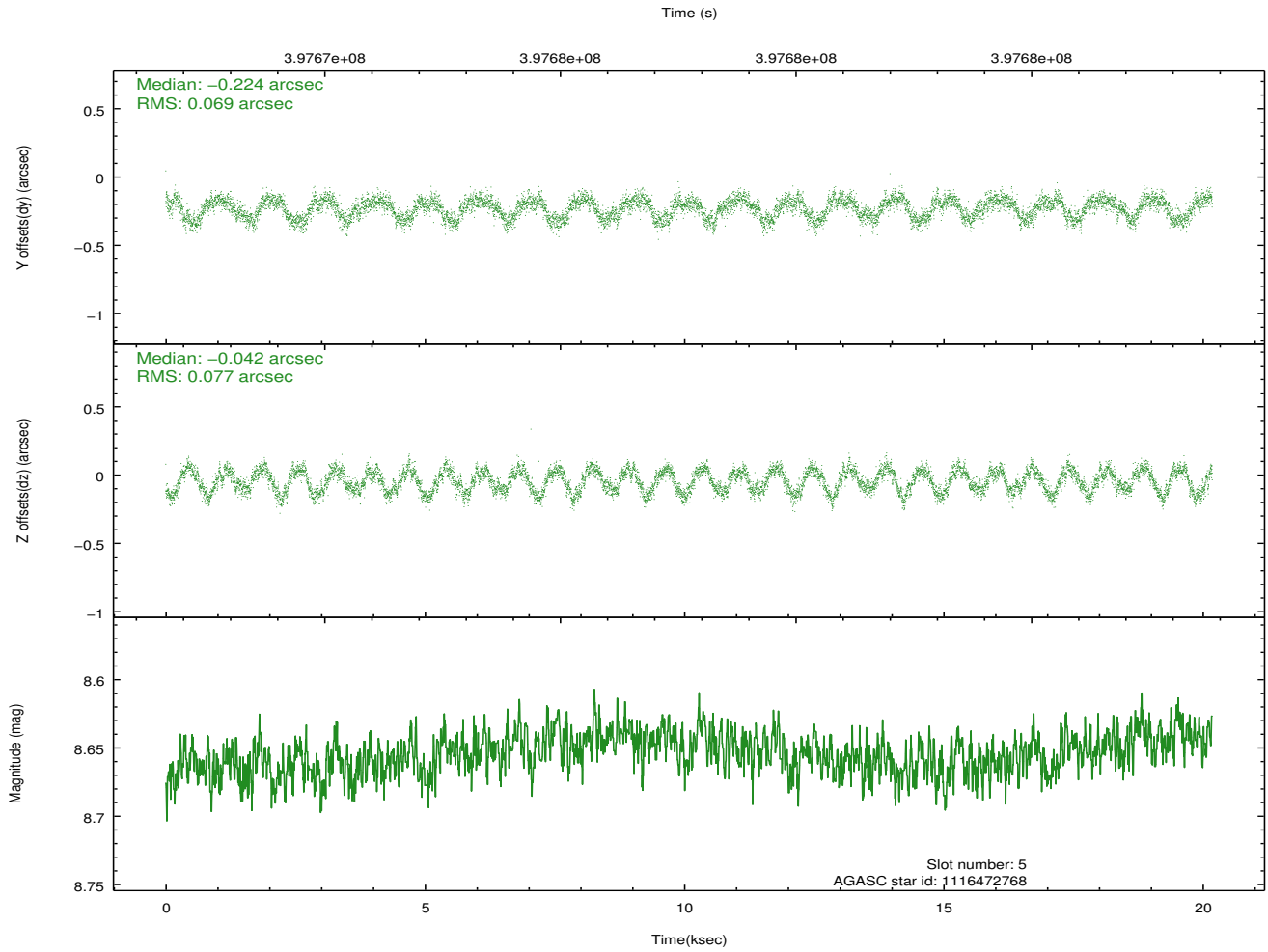
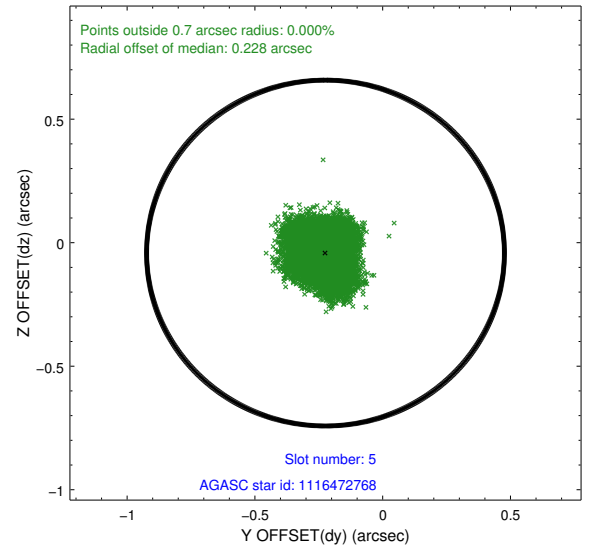
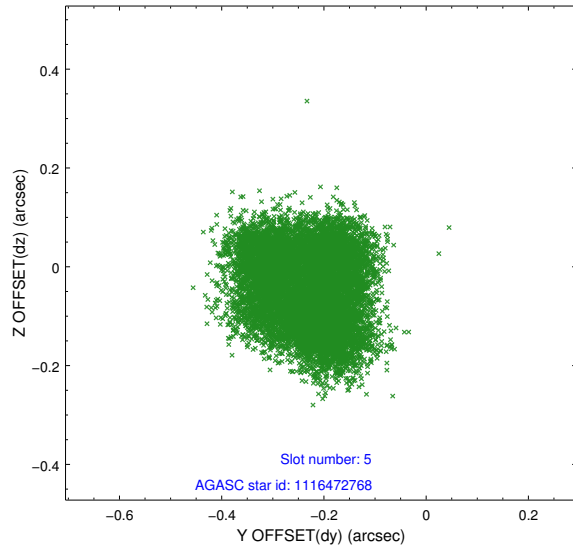
2.4.1 Slot 3



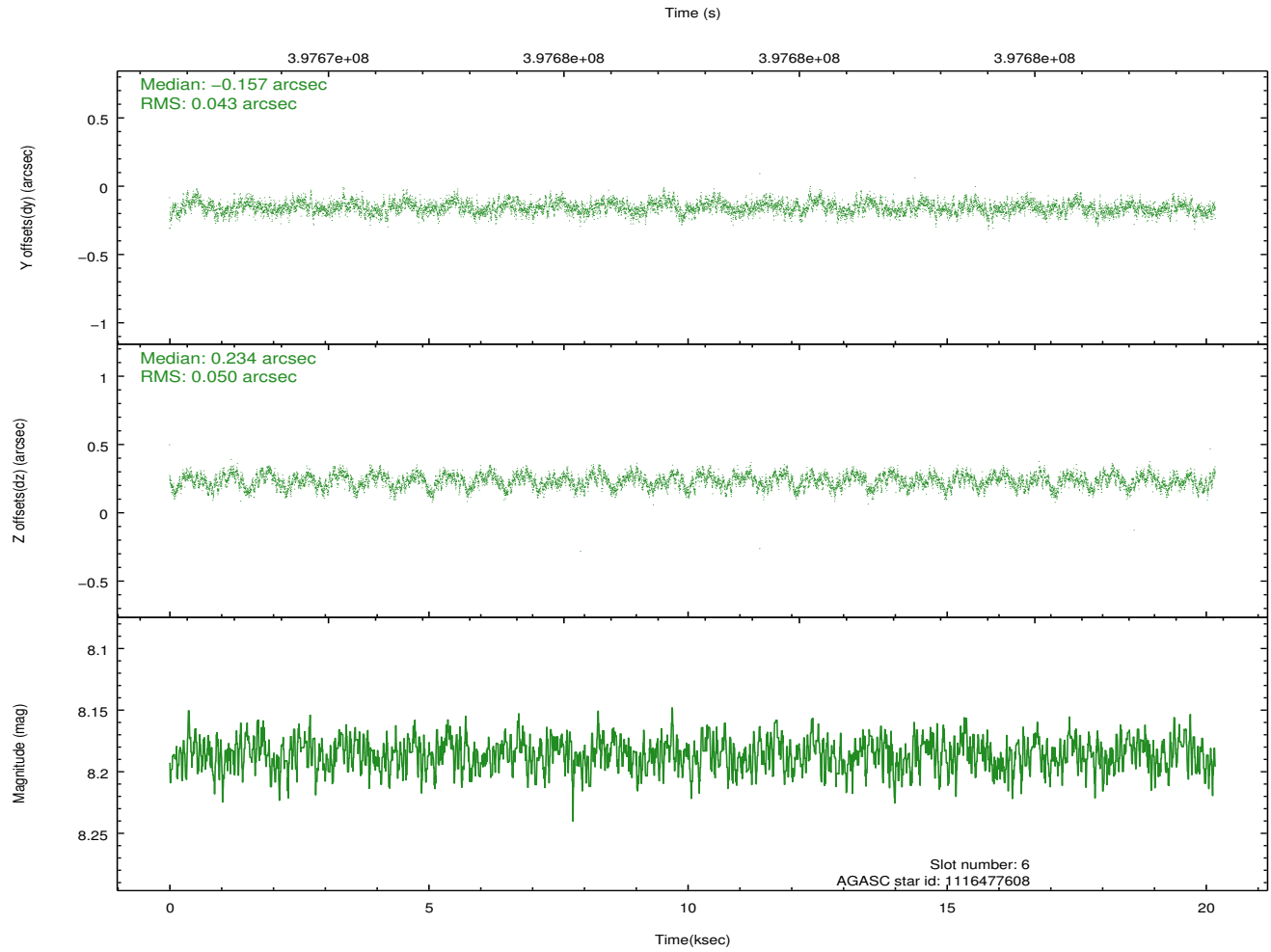
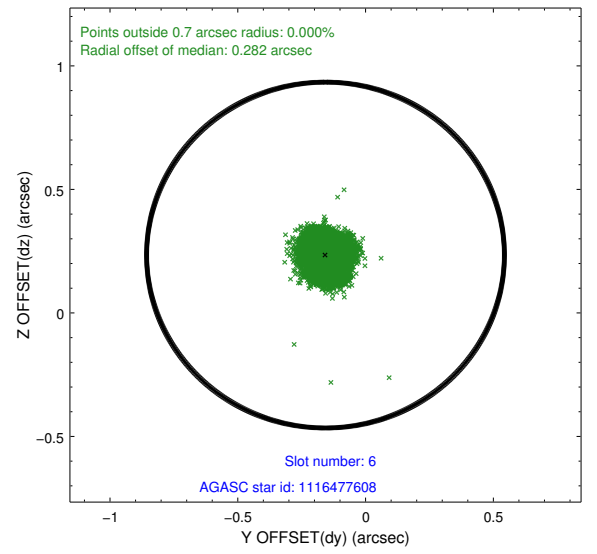
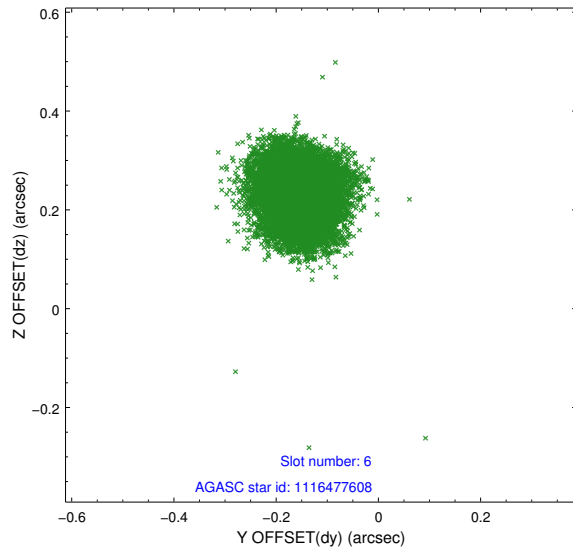
2.4.2 Slot 4



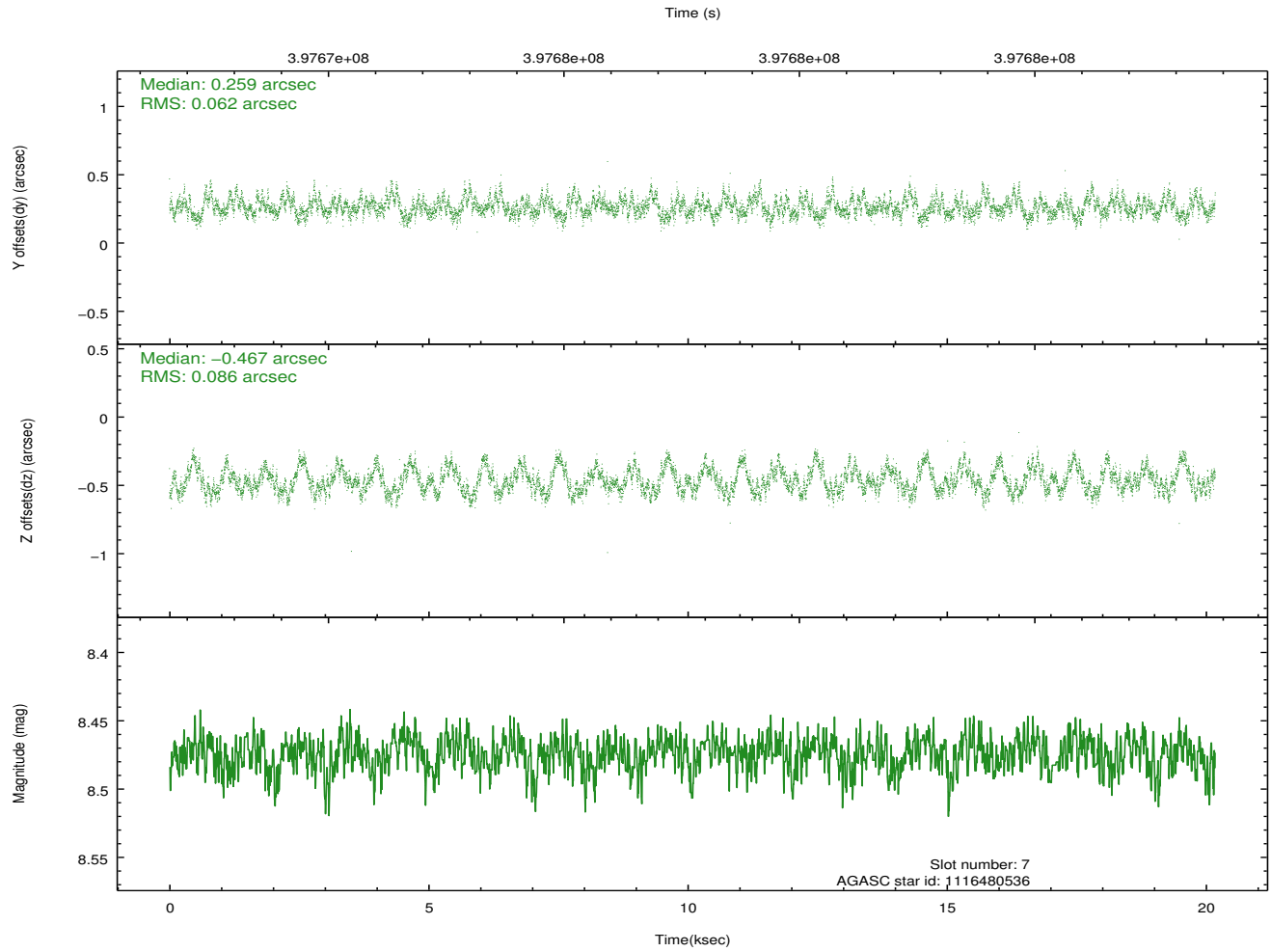
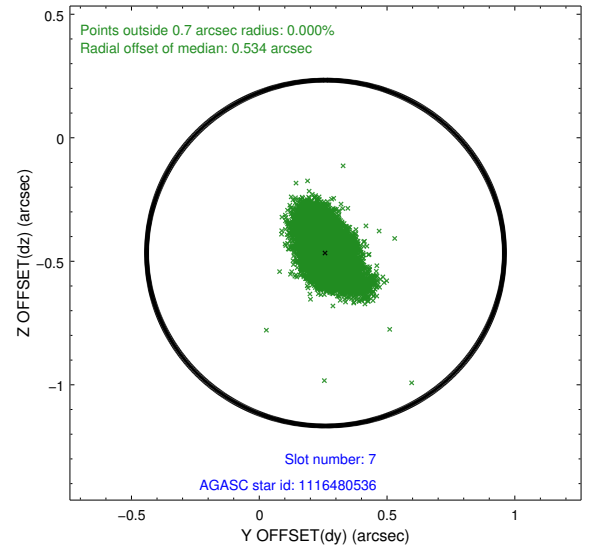
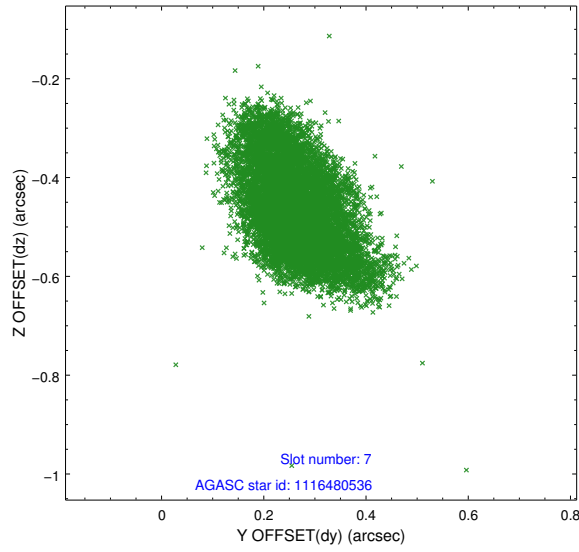
2.4.3 Slot 5



2.4.4 Slot 6

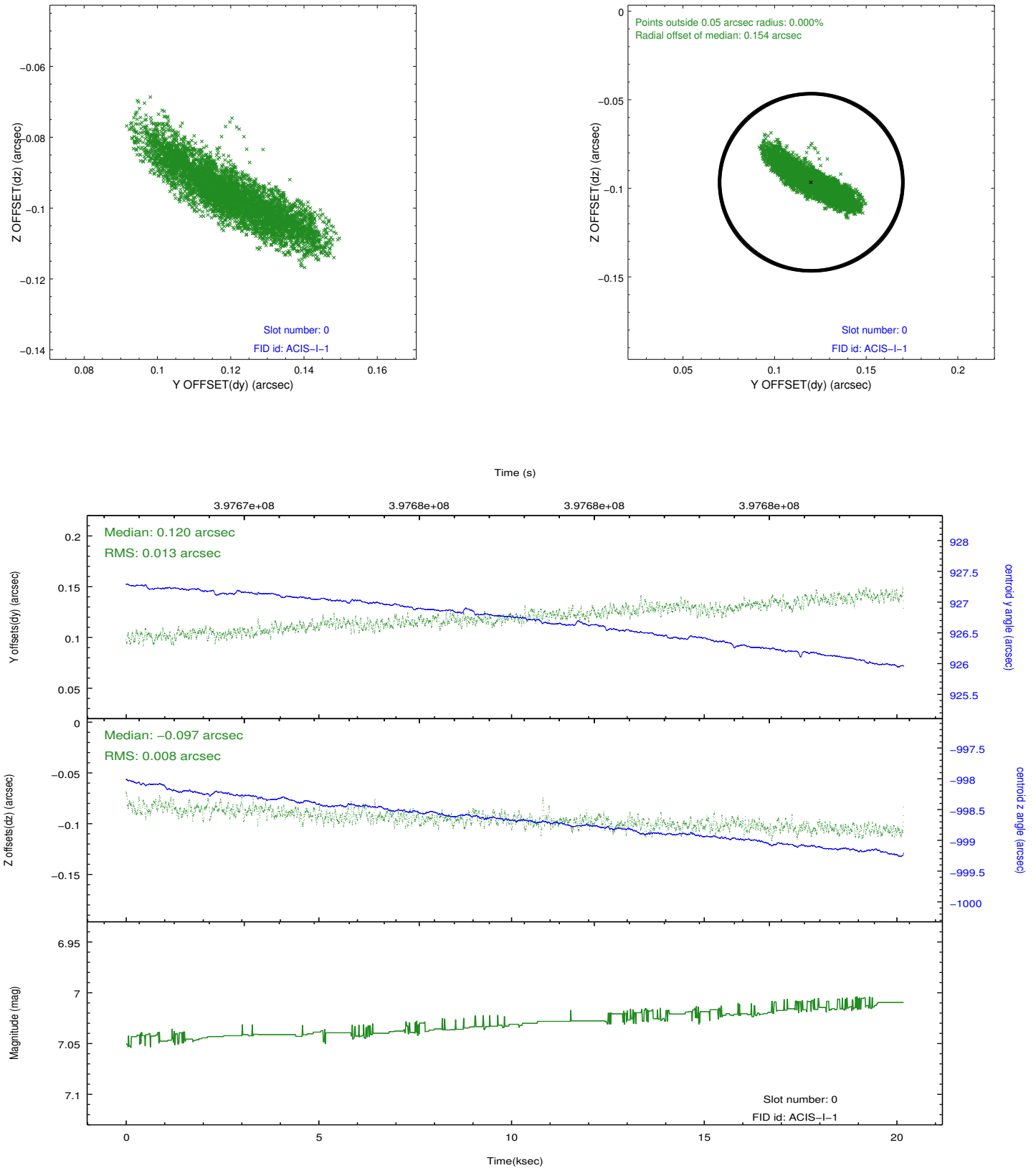


2.4.5 Slot 7

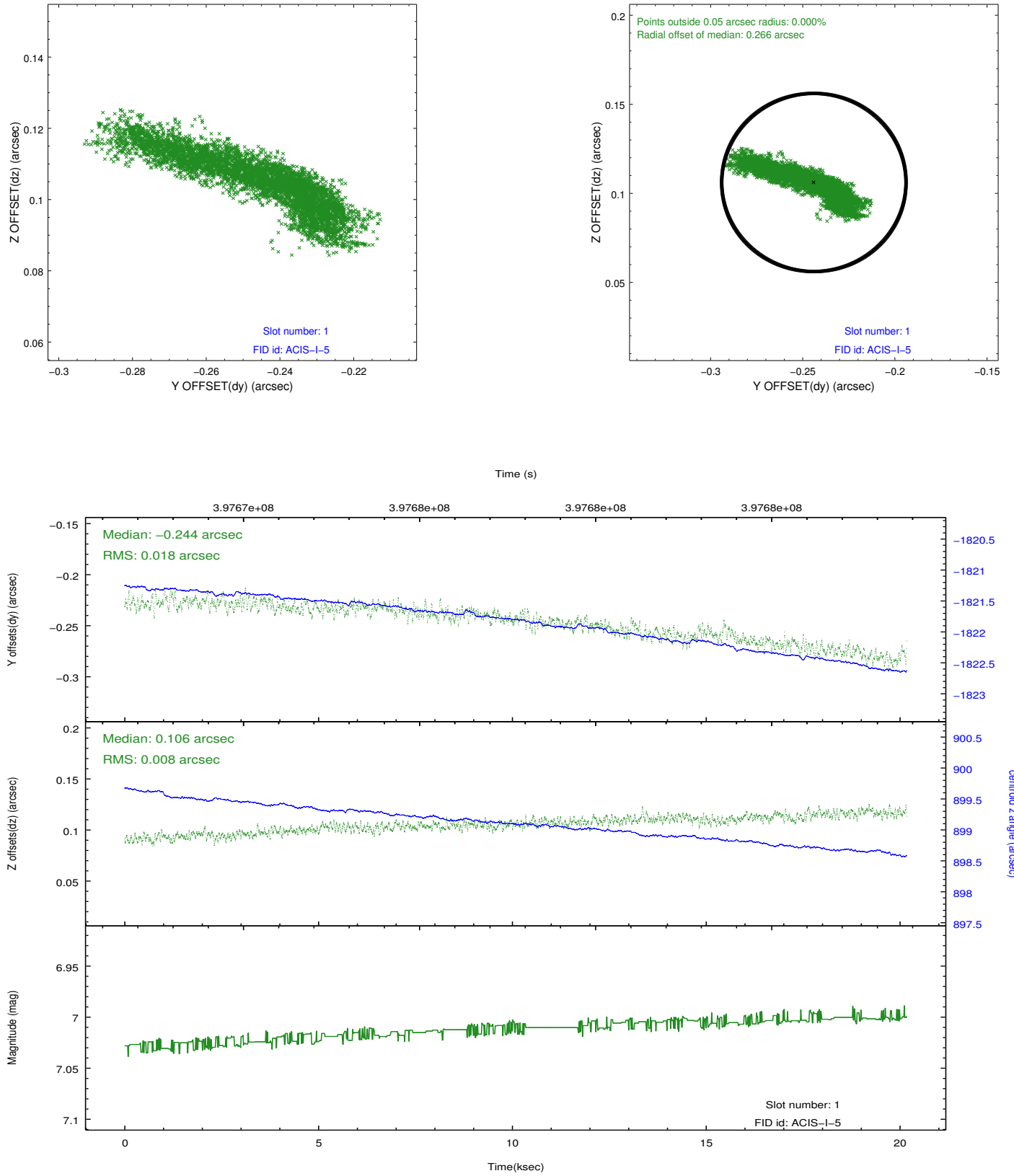


2.5 FID Slots

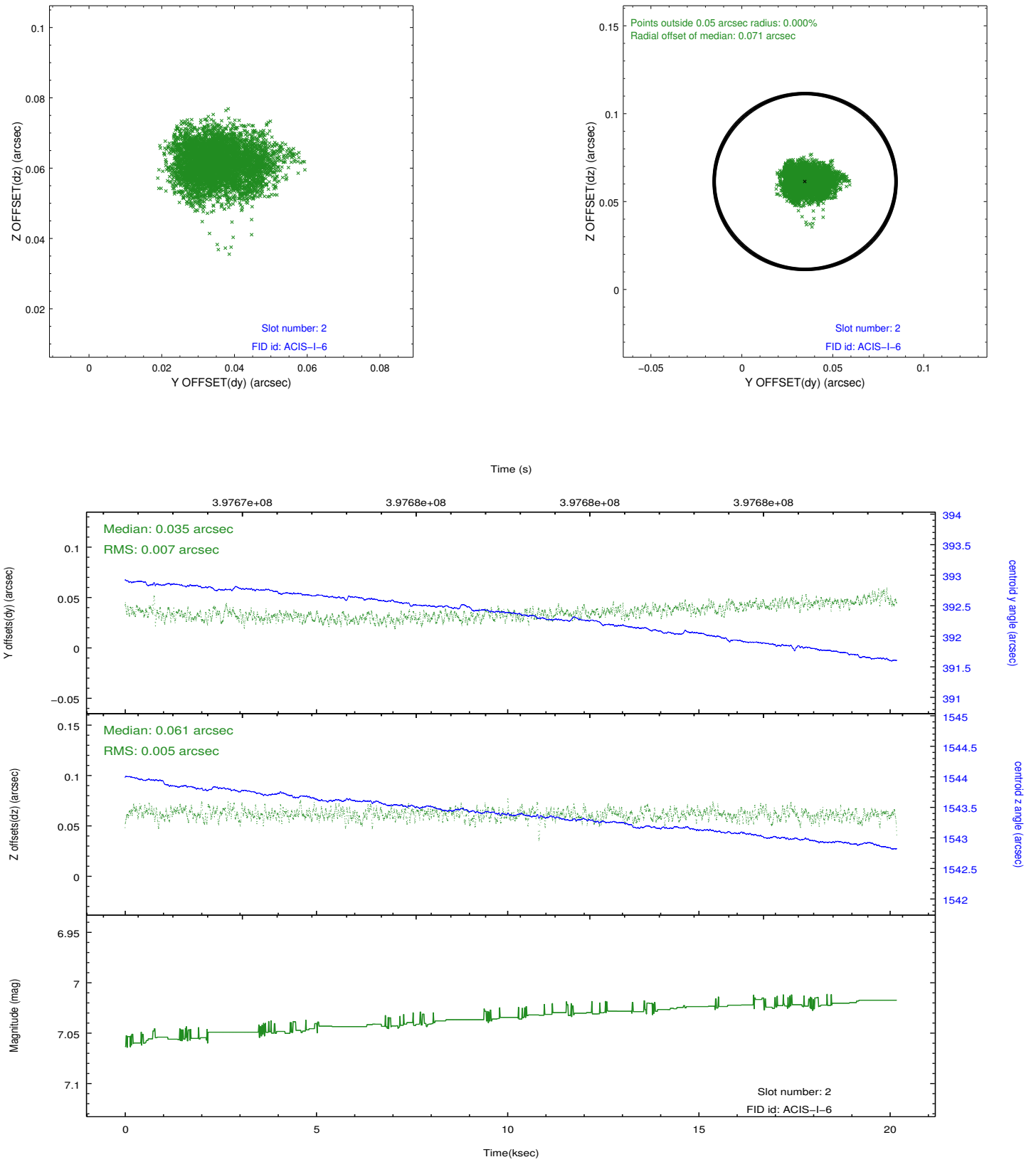
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.038277263105

A.2 Comments