

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5809 - L2 Version 3
Chandra X-Ray Center

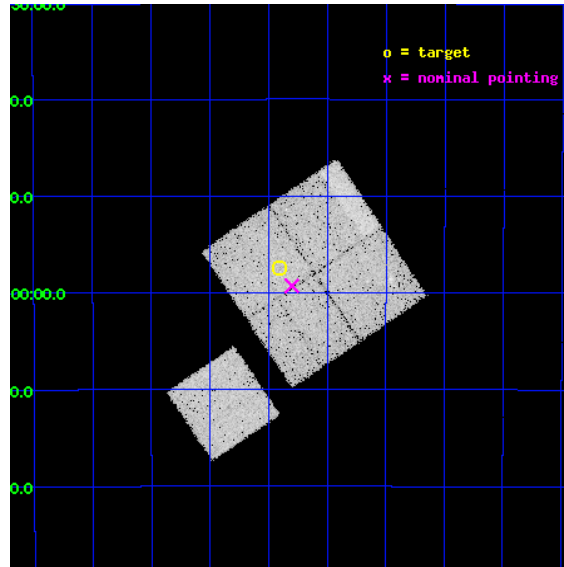
L2 Processing Date : Dec 21 2012

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1 Front

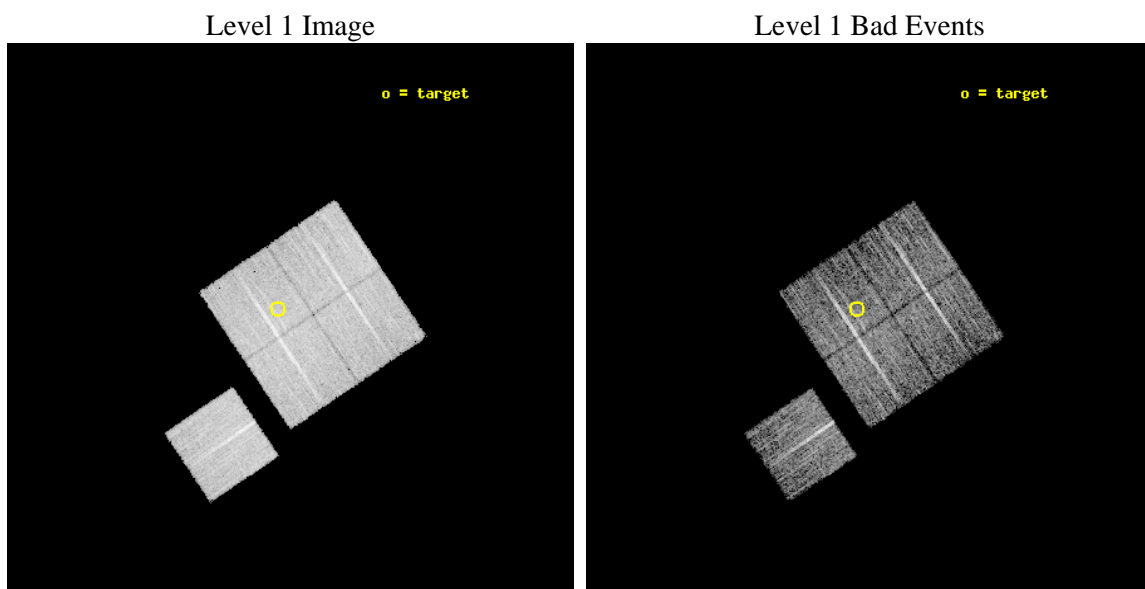
seq_num	800522	Sequence number
obs_id	5809	Observation id
title	The Galaxy Cluster Mass-T _x Relation at High Redshift	Proposal tit
observer	Dr. Spencer Stanford	Principal investigator
object	RX J0337-3457	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.352917	Observer's specified target RA [deg]
dec_targ	-34.958056	Observer's specified target Dec [deg]
ra_nom	54.325293142086	Nominal RA [deg]
dec_nom	-34.988194771299	Nominal Dec [deg]
roll_nom	236.03294956786	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6881.999986738	Sum of GTIs [s]
liveltime	6792.0815904566	Livetime [s]
ontime0	6878.8590264916	Sum of GTIs [s]
ontime1	6881.999986738	Sum of GTIs [s]
ontime2	6878.8589965403	Sum of GTIs [s]
ontime3	6881.999986738	Sum of GTIs [s]
ontime6	6875.7180263102	Sum of GTIs [s]
l2events	83538	Number of level 2 events



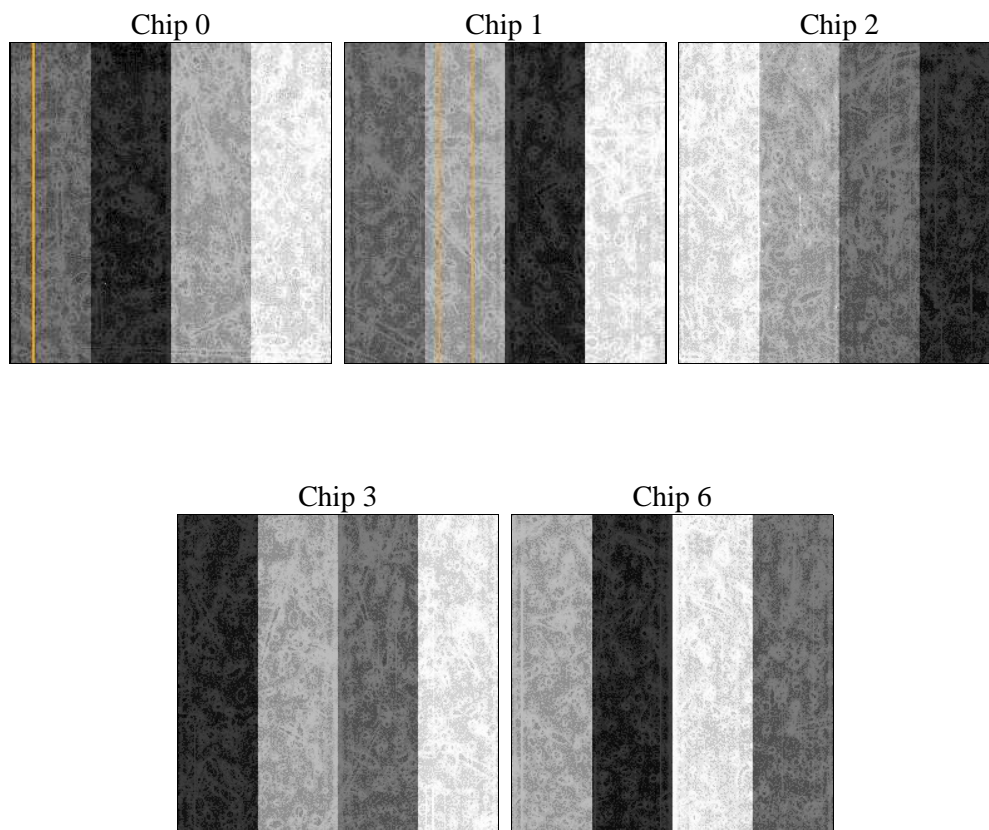
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6705.396000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	6881.999986738	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	6878.8590264916	Sum of GTIs [s]
date	2012-12-21T15:52:30	Date and time of file creation	ontime1	6881.999986738	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6878.8589965403	Sum of GTIs [s]
			ontime3	6881.999986738	Sum of GTIs [s]
			ontime6	6875.7180263102	Sum of GTIs [s]
			l1events	297107	Number of level 1 events

2.1.4 Events

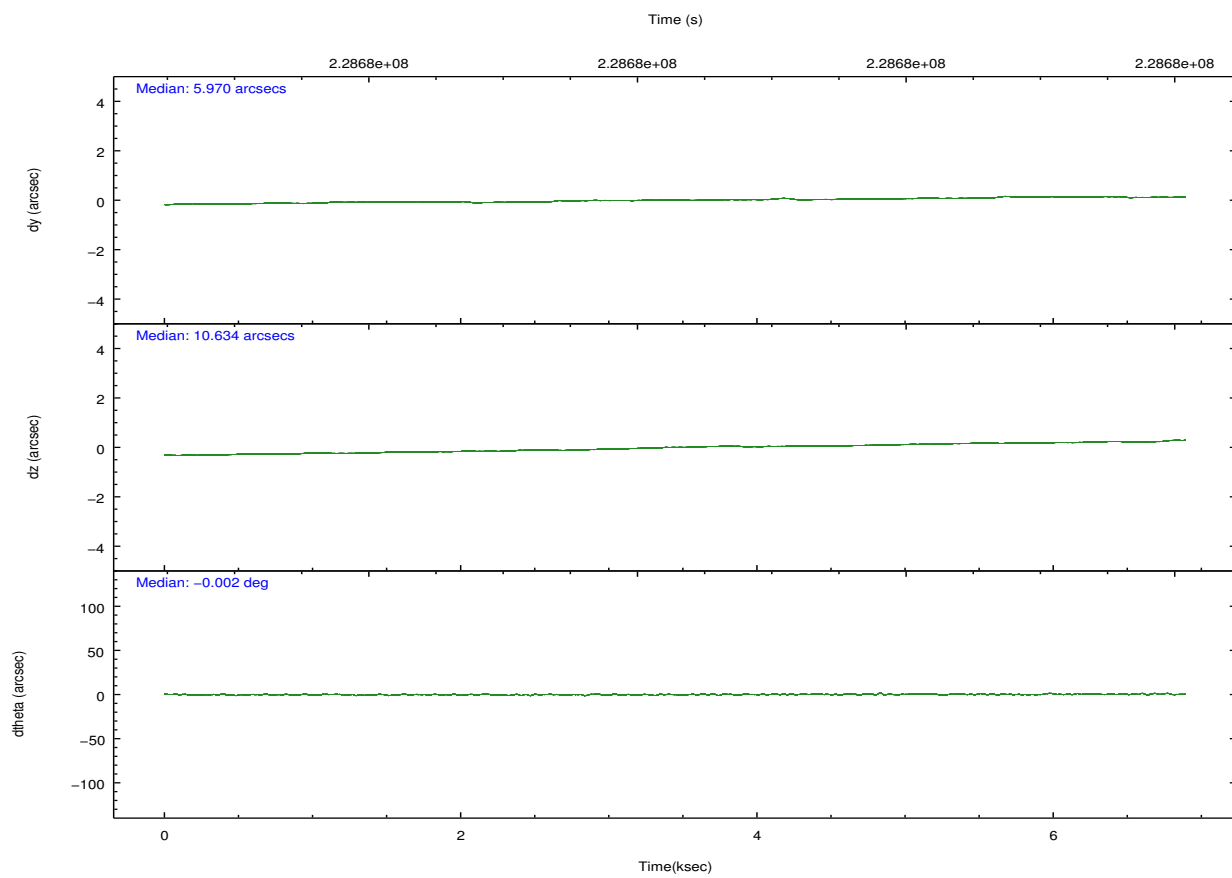
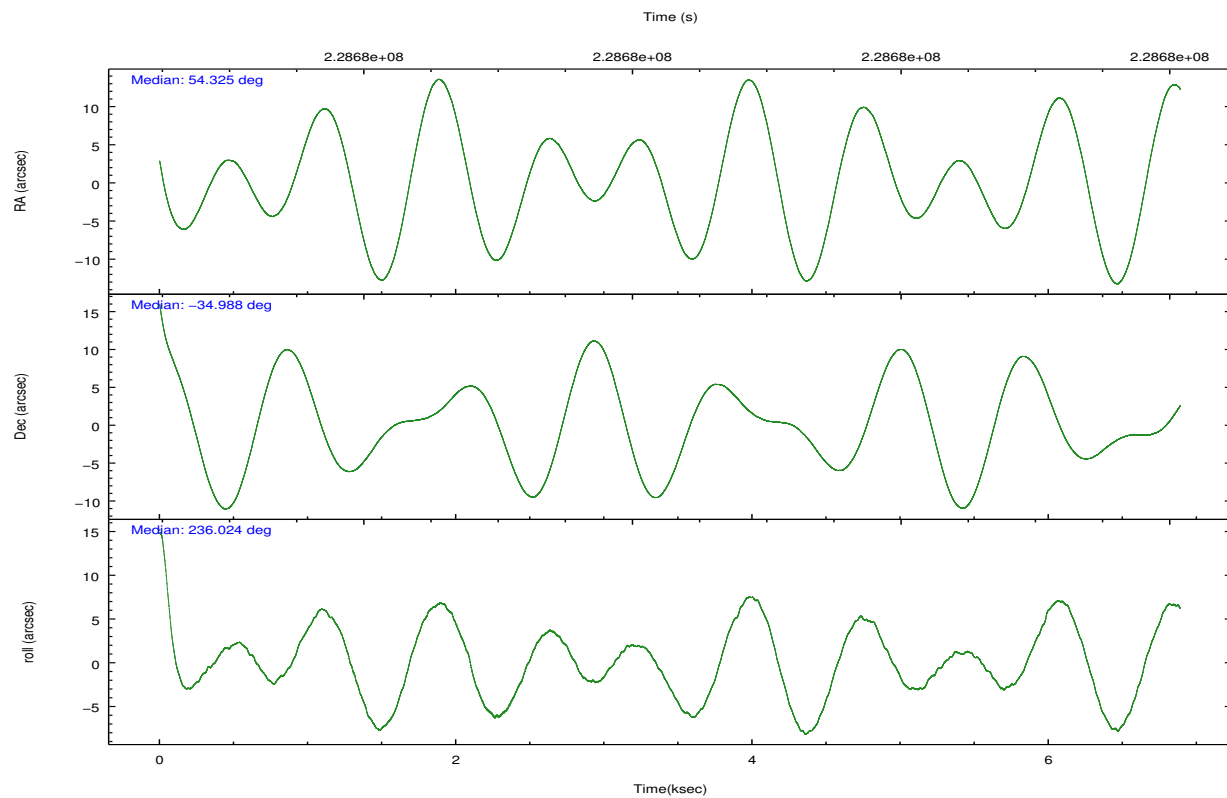
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	54633	60283	60391	58344	63456
rejected events	37654	39895	43851	41216	43327
rejected %	68%	66%	72%	70%	68%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10079	12595	10079	10583	12593
	18%	20%	16%	18%	19%
grade 1 events	72	82	70	75	70
	0%	0%	0%	0%	0%
grade 2 events	2737	3290	2580	2479	2879
	5%	5%	4%	4%	4%
grade 3 events	1106	1204	1085	1111	1188
	2%	1%	1%	1%	1%
grade 4 events	1073	1207	1058	1124	1184
	1%	2%	1%	1%	1%
grade 5 events	1532	1771	1618	1773	1875
	2%	2%	2%	3%	2%
grade 6 events	2260	2414	2042	2158	2621
	4%	4%	3%	3%	4%
grade 7 events	35774	37720	41859	39041	41046
	65%	62%	69%	66%	64%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	54.327511	54.32529314208583	Subarray requested	NONE	NONE
[deg] Pointing Dec	-34.960835	-34.98819477129871	Alternating exposures requested	N	N
[deg] Pointing Roll	235.825523	236.0329495678616	[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	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	228677019.184000	228675798.17514			
Observation start date	2005-03-31T17:22:35	2005-03-31T17:03:18			
[s] Observation end time (MET)	228683724.184000	228683960.25051			
Observation end date	2005-03-31T19:14:20	2005-03-31T19:19:20			
Read mode	TIMED	TIMED			

2.3 Aspect

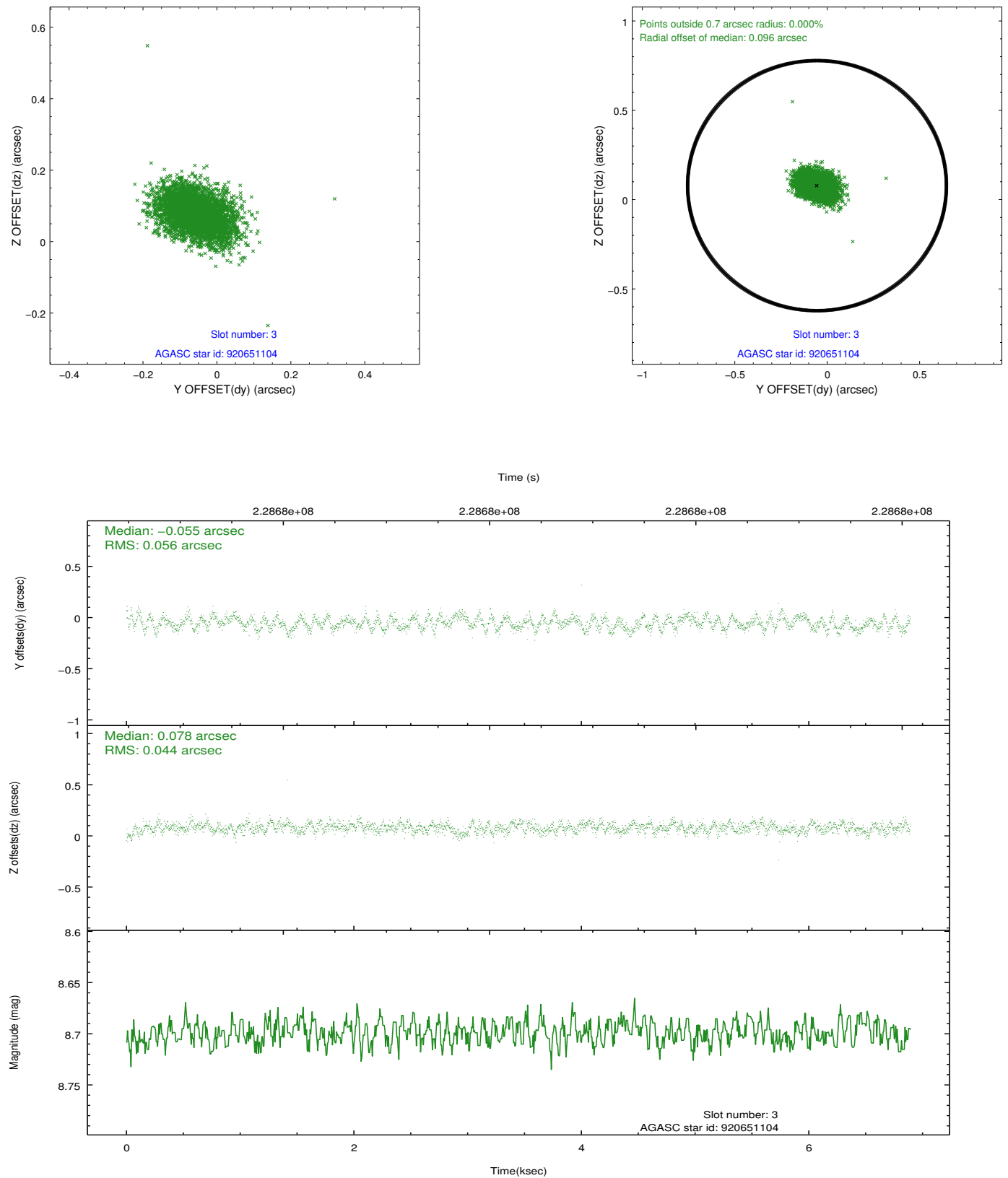


Slot Statistics

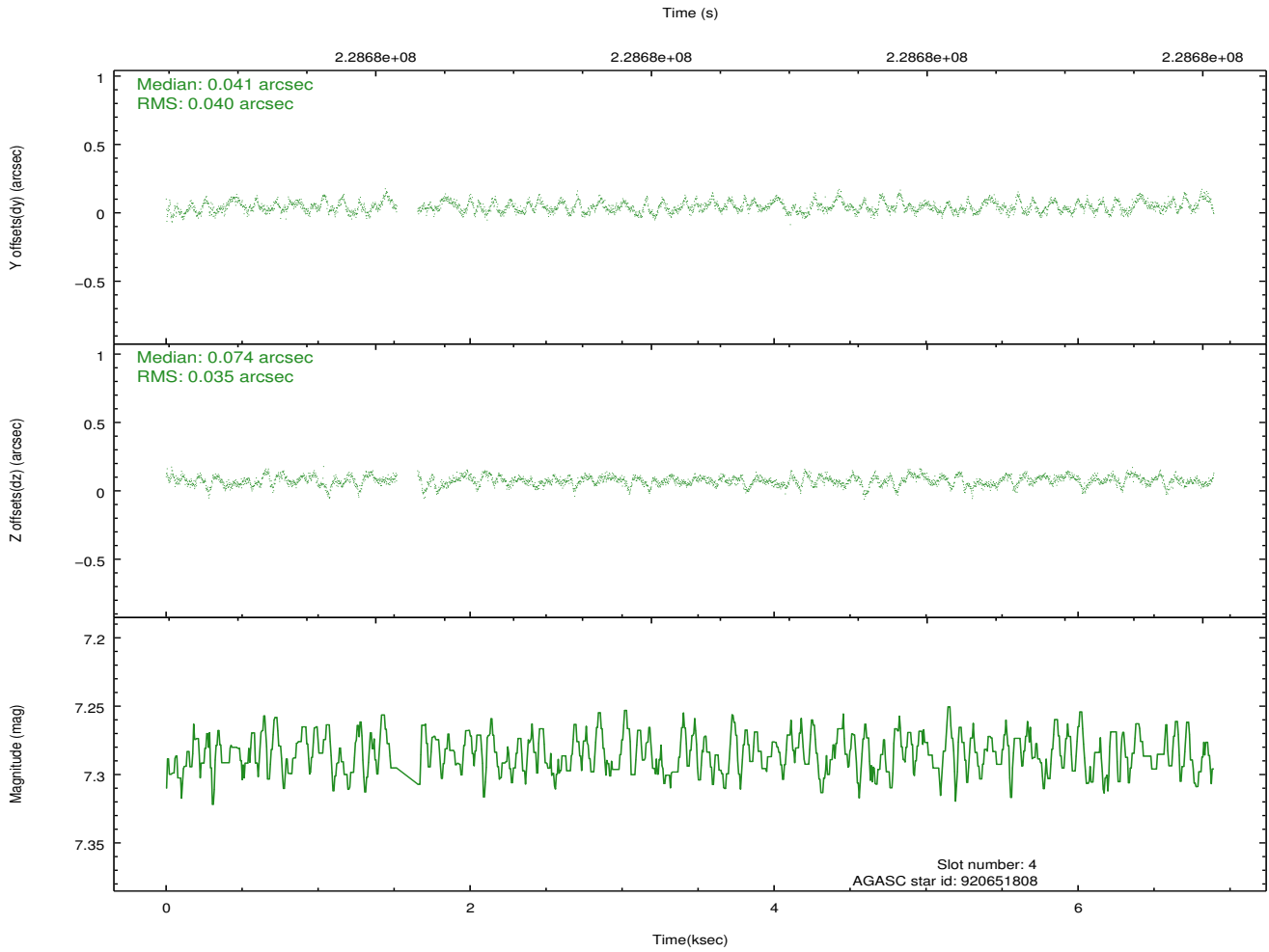
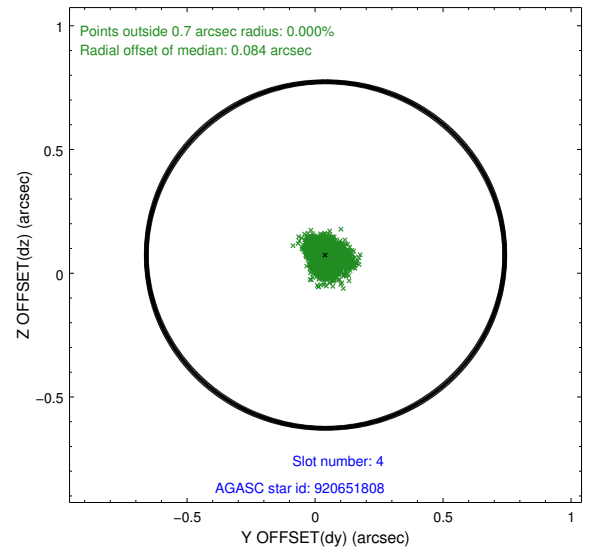
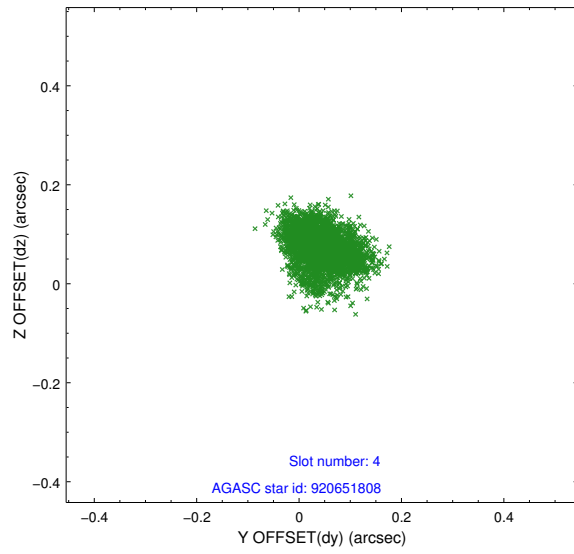
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	1680	0.077	-0.054	0.008	0.014	0.000000	0.000000	933.71	-957.28
1	FID	ACIS-I-5	7.22	1680	-0.231	0.071	0.007	0.011	0.000000	0.000000	-1814.24	939.83
2	FID	ACIS-I-6	7.25	1680	0.063	0.054	0.009	0.014	0.000000	0.000000	398.32	1585.29
3	GUIDE	920651104	8.70	3361	-0.055	0.078	0.075	0.120	53.495721	-34.796351	900.31	-2360.69
4	GUIDE	920651808	7.29	3295	0.041	0.074	0.057	0.091	53.624364	-34.832415	791.75	-1974.77
5	GUIDE	921573752	8.42	3362	-0.036	-0.052	0.082	0.130	55.297577	-34.906150	-1760.21	2266.14
6	GUIDE	921575528	7.95	3361	0.033	0.019	0.056	0.091	55.012292	-34.549755	-2359.19	853.58
7	GUIDE	921966544	7.92	3361	0.003	-0.117	0.061	0.096	54.743508	-35.636012	1328.69	2374.44

2.4 Star Slots

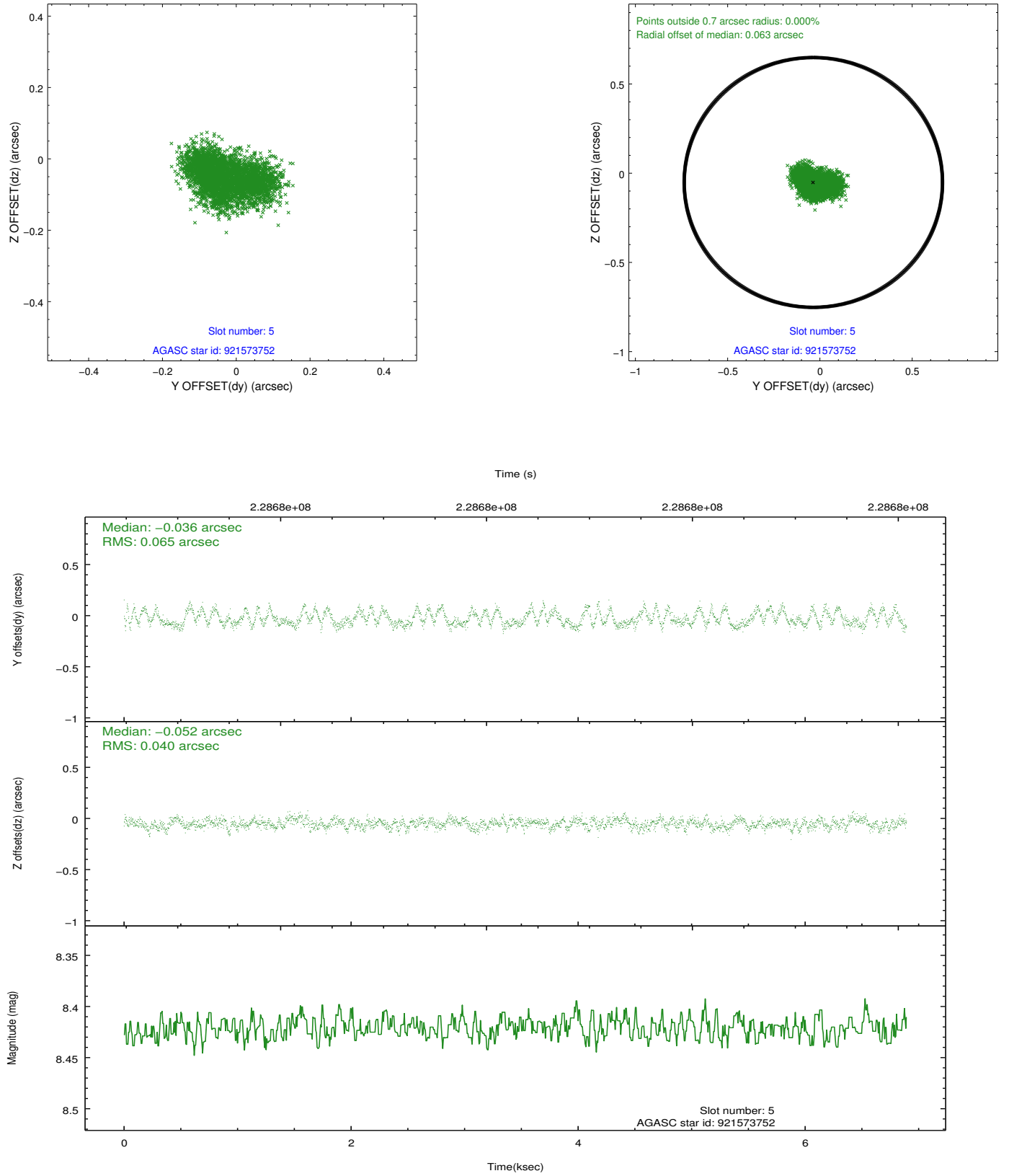
2.4.1 Slot 3



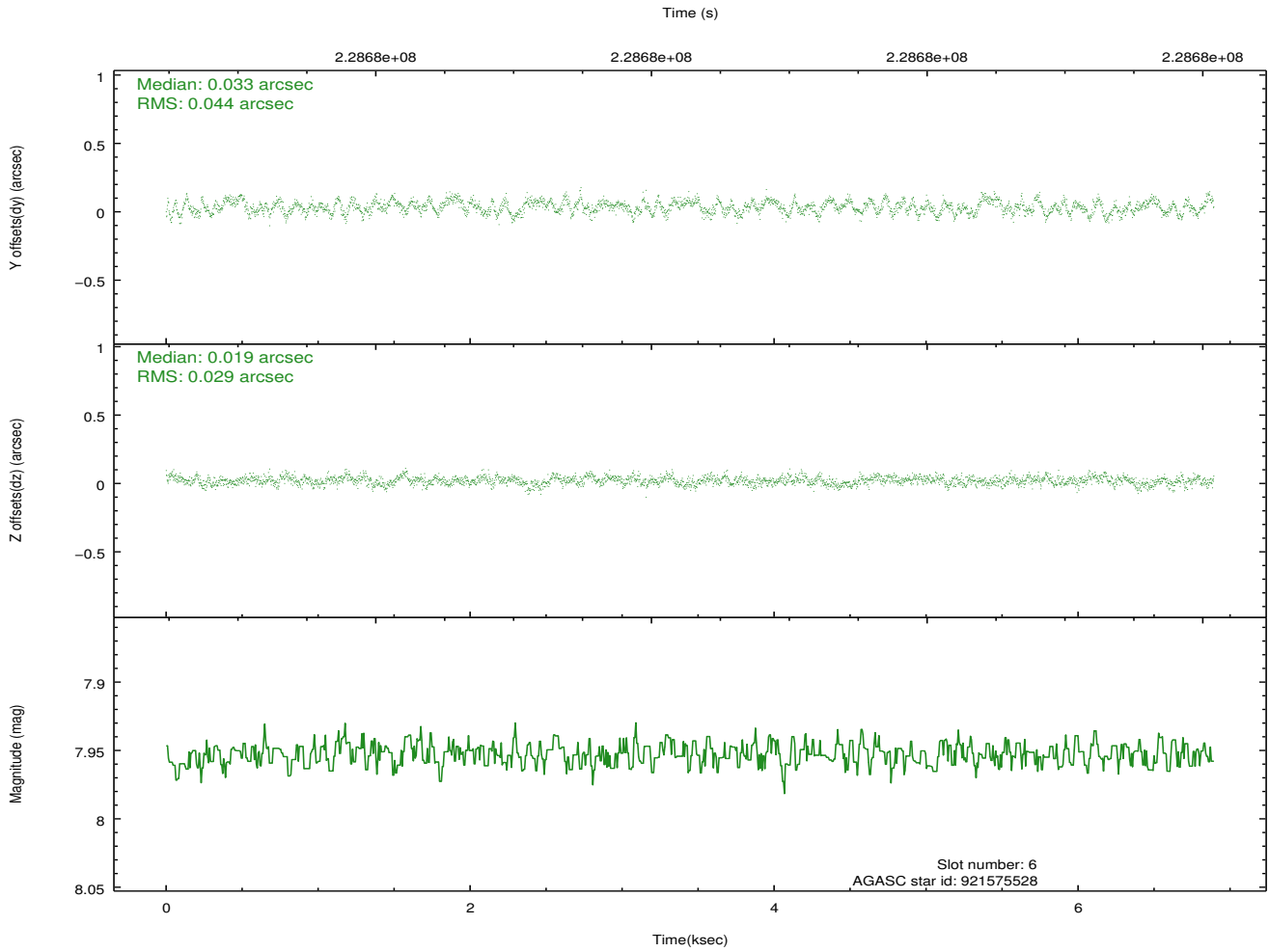
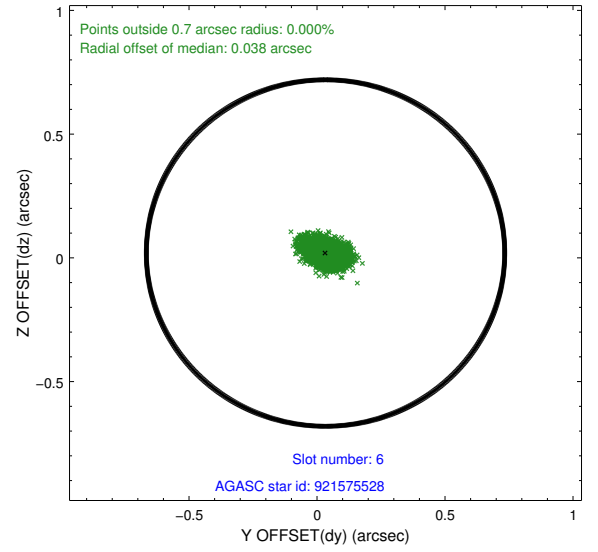
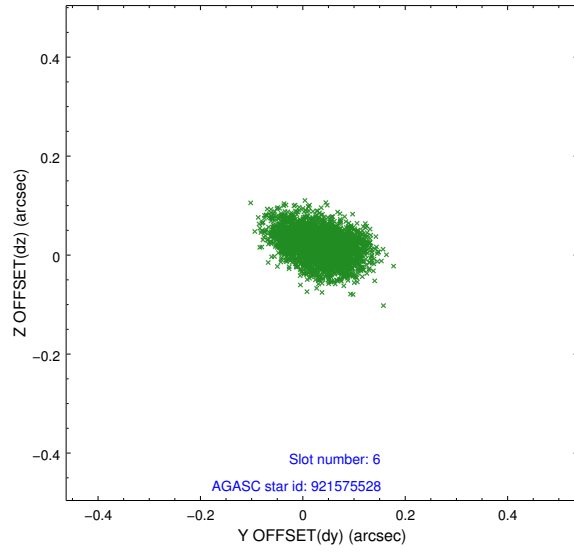
2.4.2 Slot 4



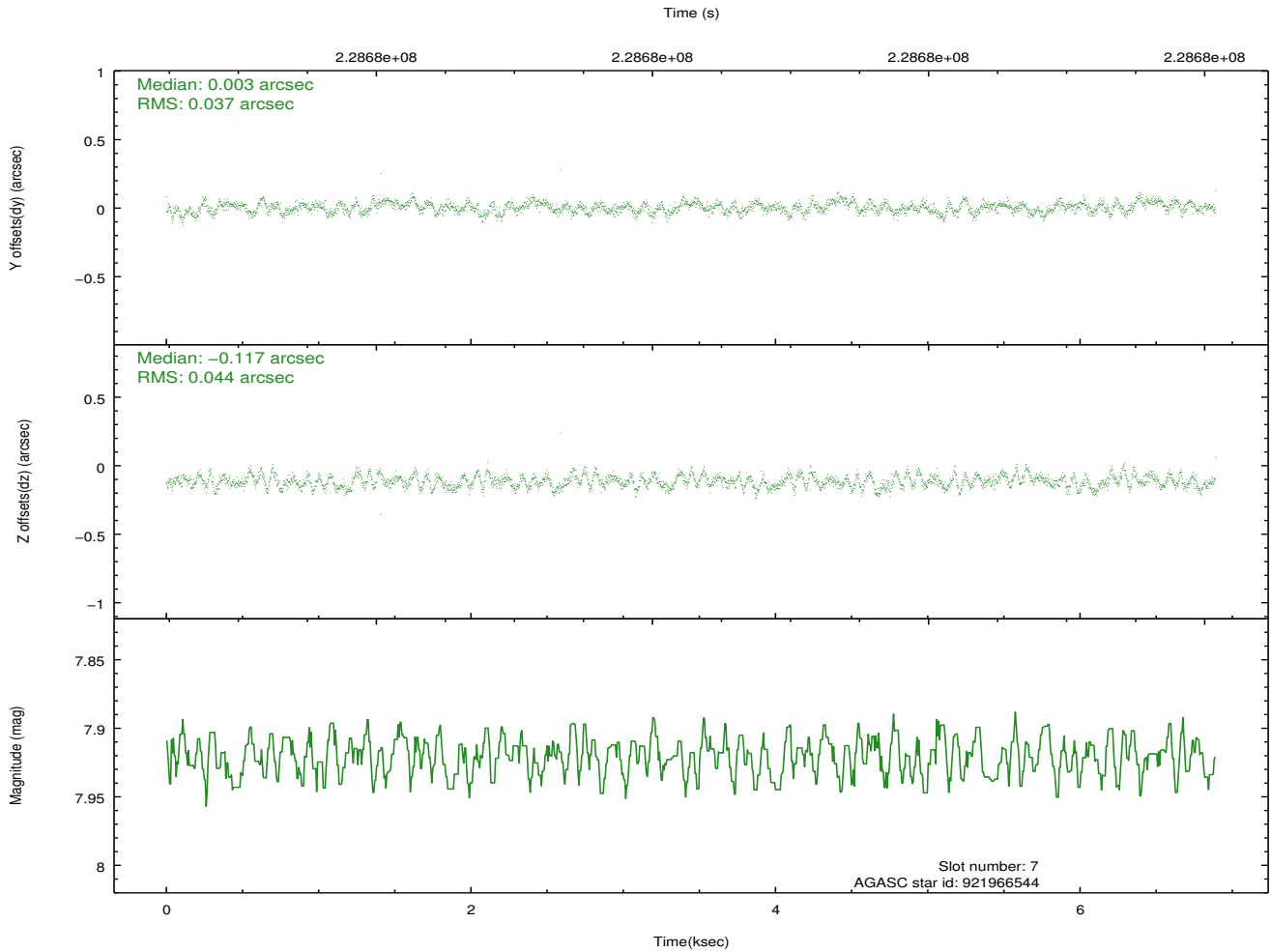
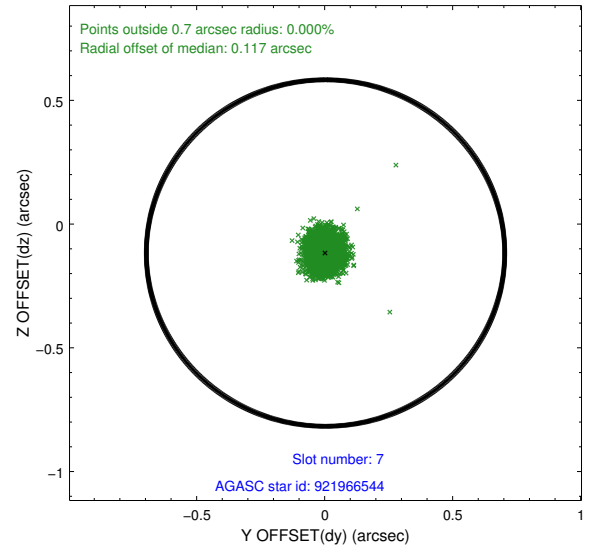
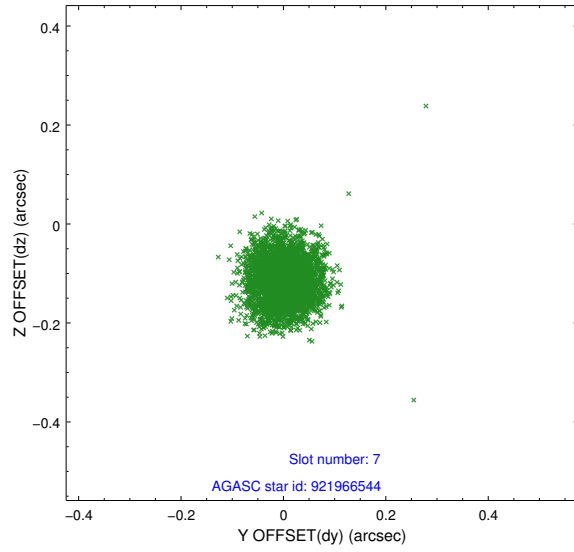
2.4.3 Slot 5



2.4.4 Slot 6

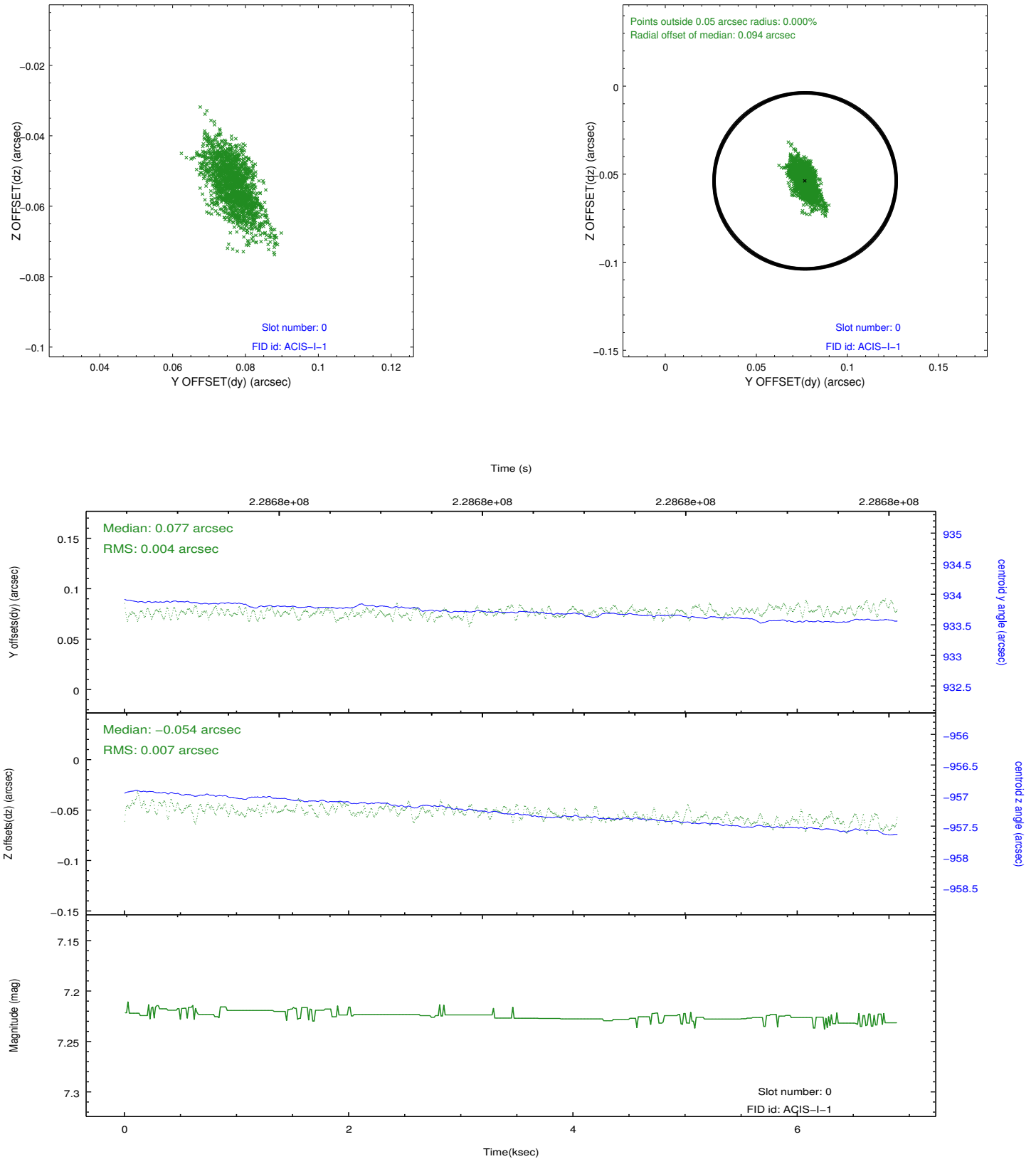


2.4.5 Slot 7

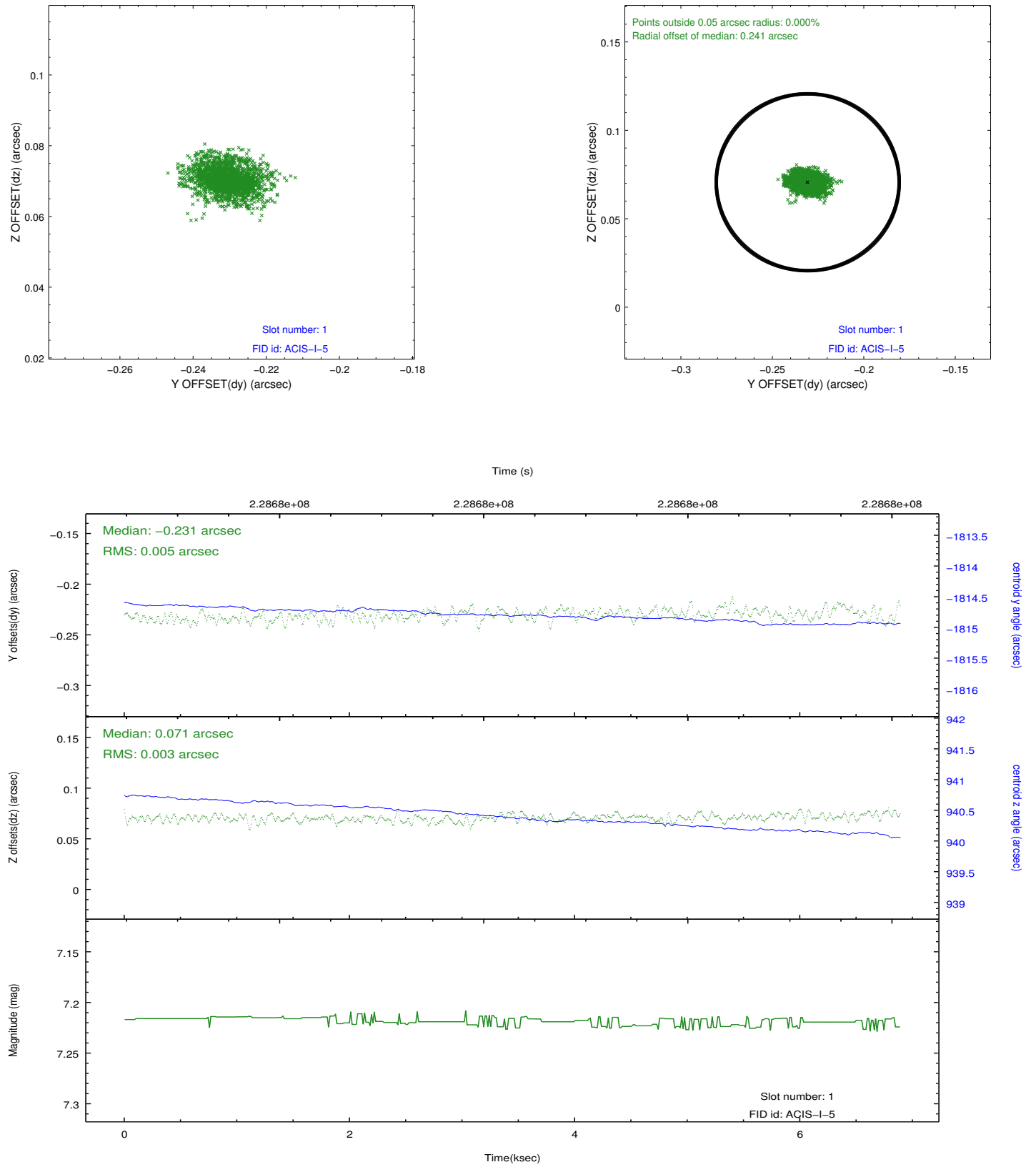


2.5 FID Slots

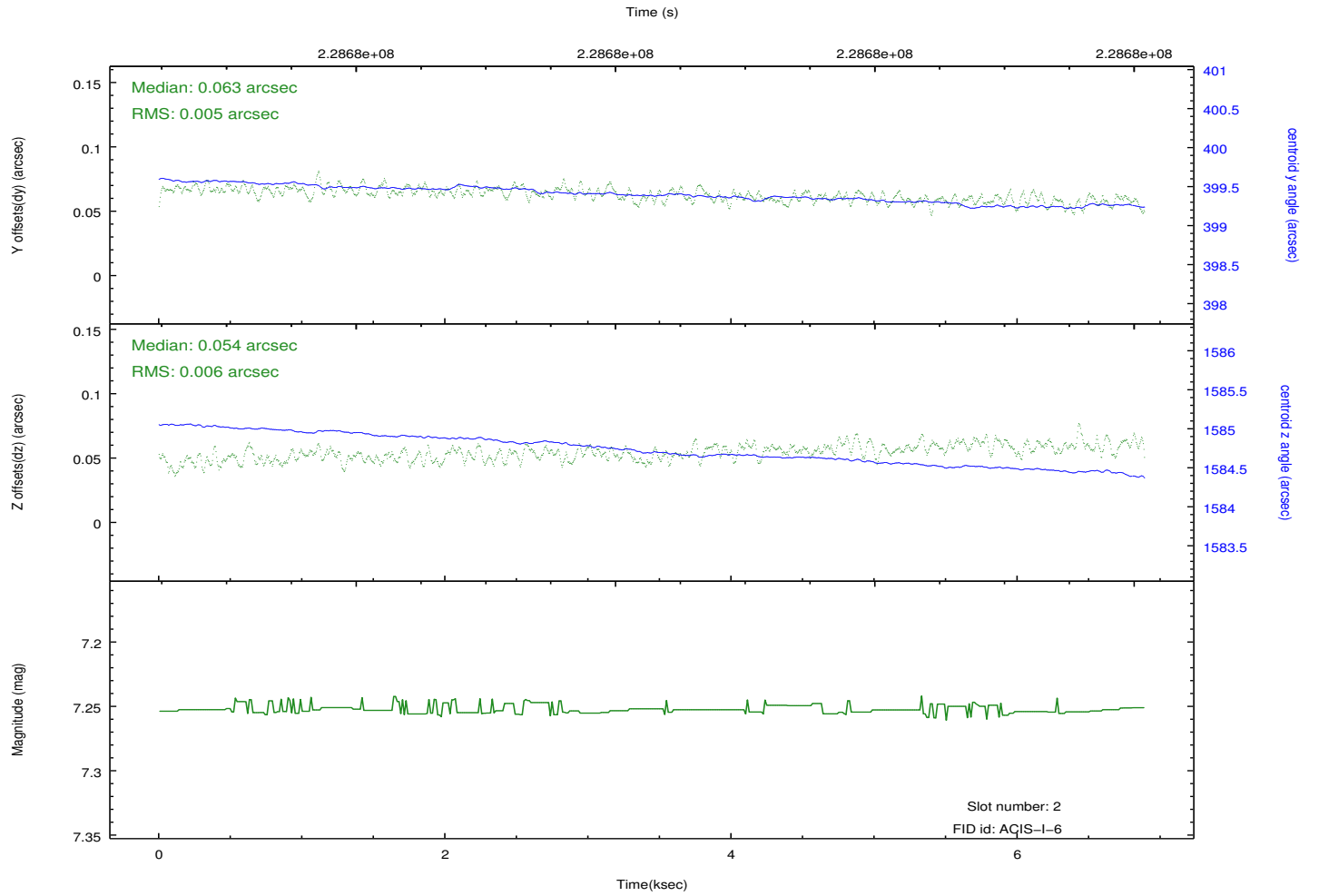
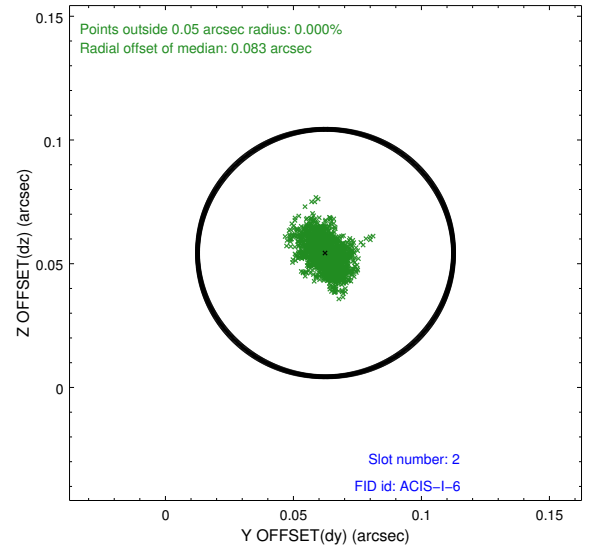
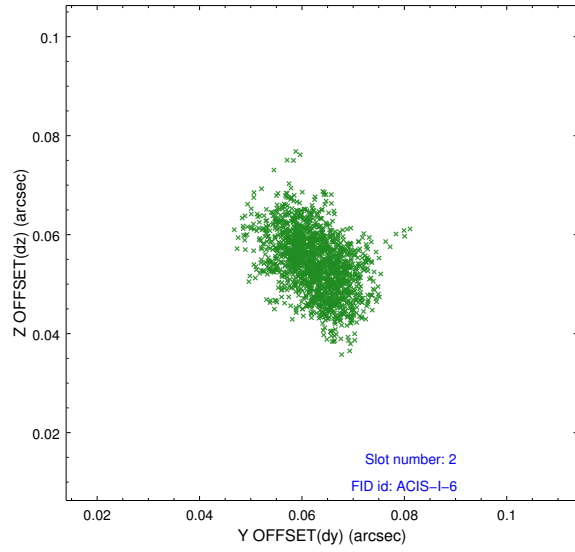
2.5.1 Slot 0



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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.881999

A.2 Comments

Joint Proposal: XMM