

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3249 - L2 Version 3
Chandra X-Ray Center

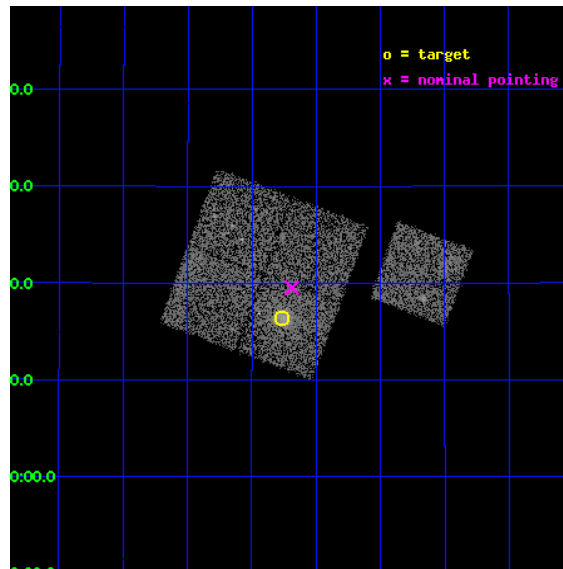
L2 Processing Date : Oct 10 2012

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

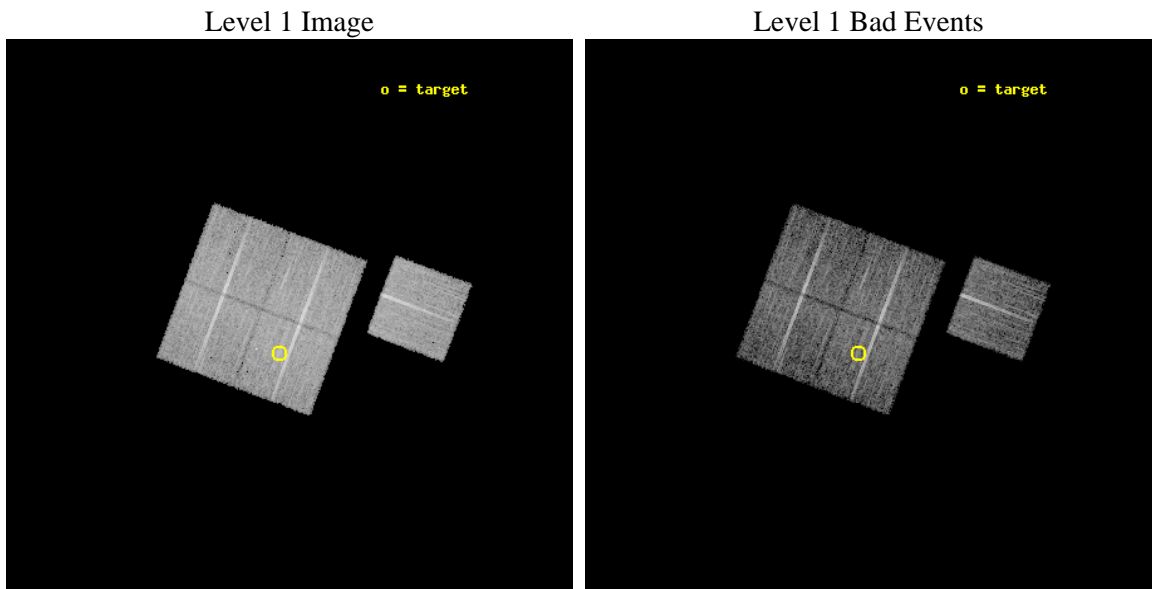
seq_num	800249	Sequence number
obs_id	3249	Observation id
title	OBSERVATION OF BCS CLUSTERS, FIRST SET	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	RXJ0027.6+2616	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.94125	Observer's specified target RA [deg]
dec_targ	26.273611	Observer's specified target Dec [deg]
ra_nom	6.9220721283631	Nominal RA [deg]
dec_nom	26.3251877172	Nominal Dec [deg]
roll_nom	110.59913228584	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10109.099980533	Sum of GTIs [s]
liveltime	9977.0171470763	Livetime [s]
ontime0	10109.099980533	Sum of GTIs [s]
ontime1	10109.099980533	Sum of GTIs [s]
ontime2	10109.099980533	Sum of GTIs [s]
ontime3	10109.099980533	Sum of GTIs [s]
ontime6	10109.099980533	Sum of GTIs [s]
l2events	24907	Number of level 2 events



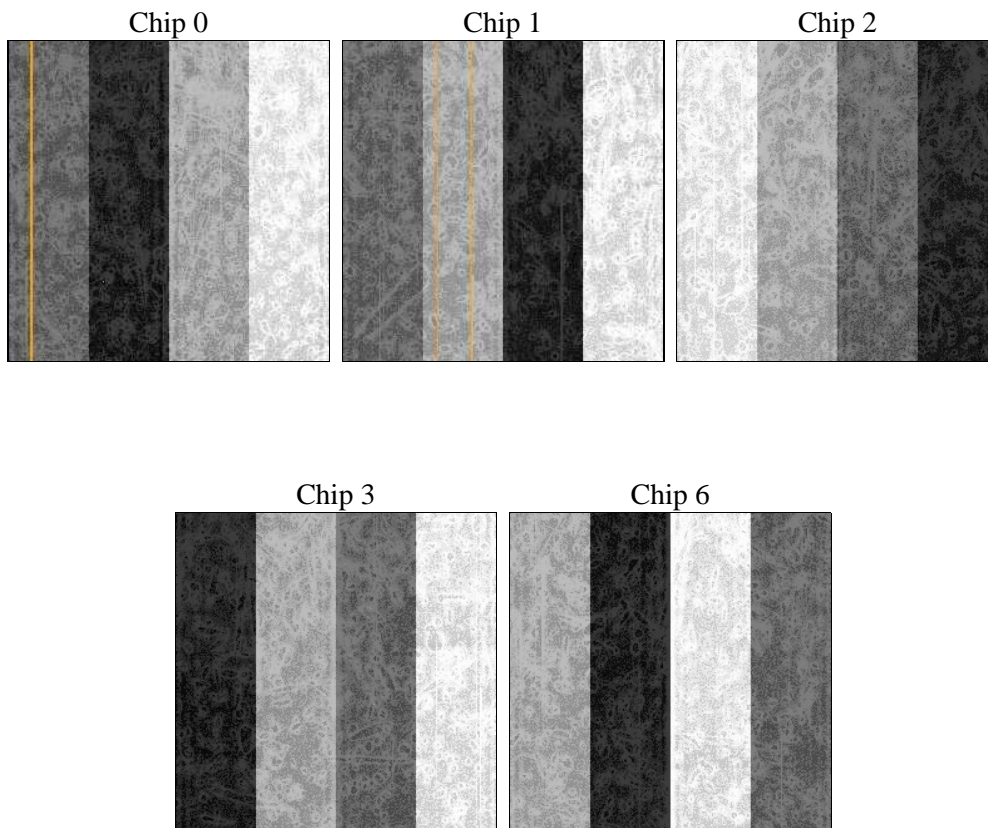
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10109.099980533	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	10109.099980533	Sum of GTIs [s]
date	2012-10-10T03:28:36	Date and time of file creation	ontime1	10109.099980533	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	10109.099980533	Sum of GTIs [s]
			ontime3	10109.099980533	Sum of GTIs [s]
			ontime6	10109.099980533	Sum of GTIs [s]
			l1events	332312	Number of level 1 events

2.1.4 Events

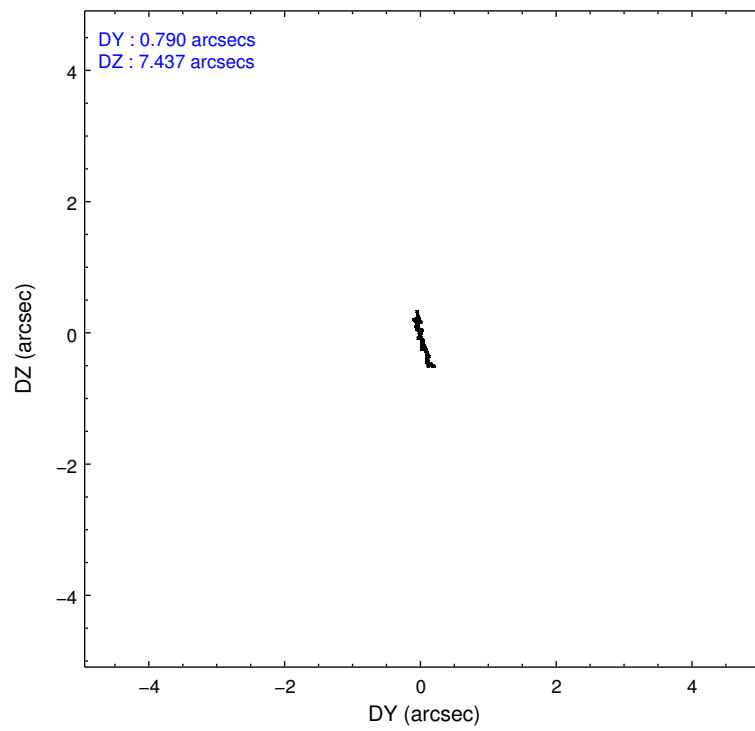
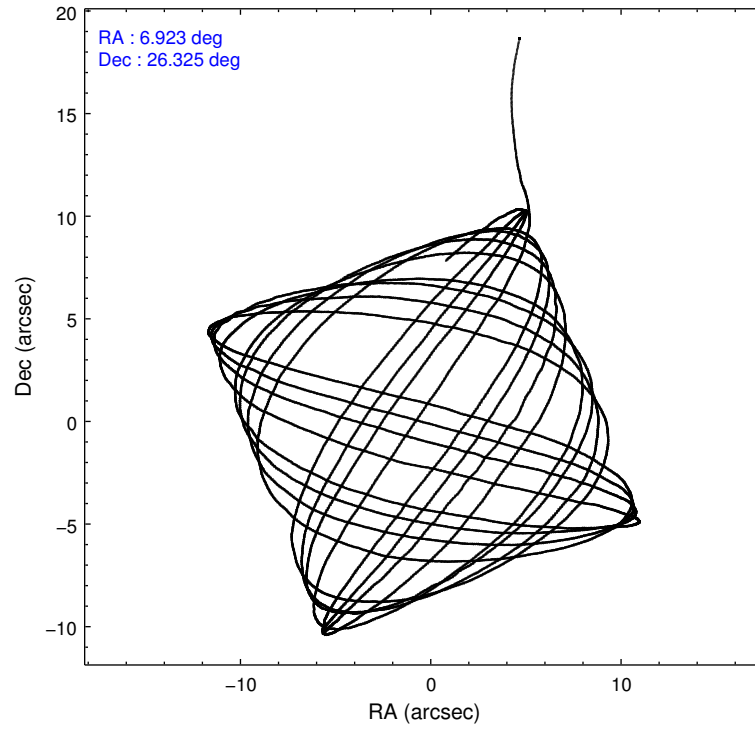
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	61506	62789	70645	69769	67603
rejected events	55805	56641	65315	62968	61640
rejected %	90%	90%	92%	90%	91%

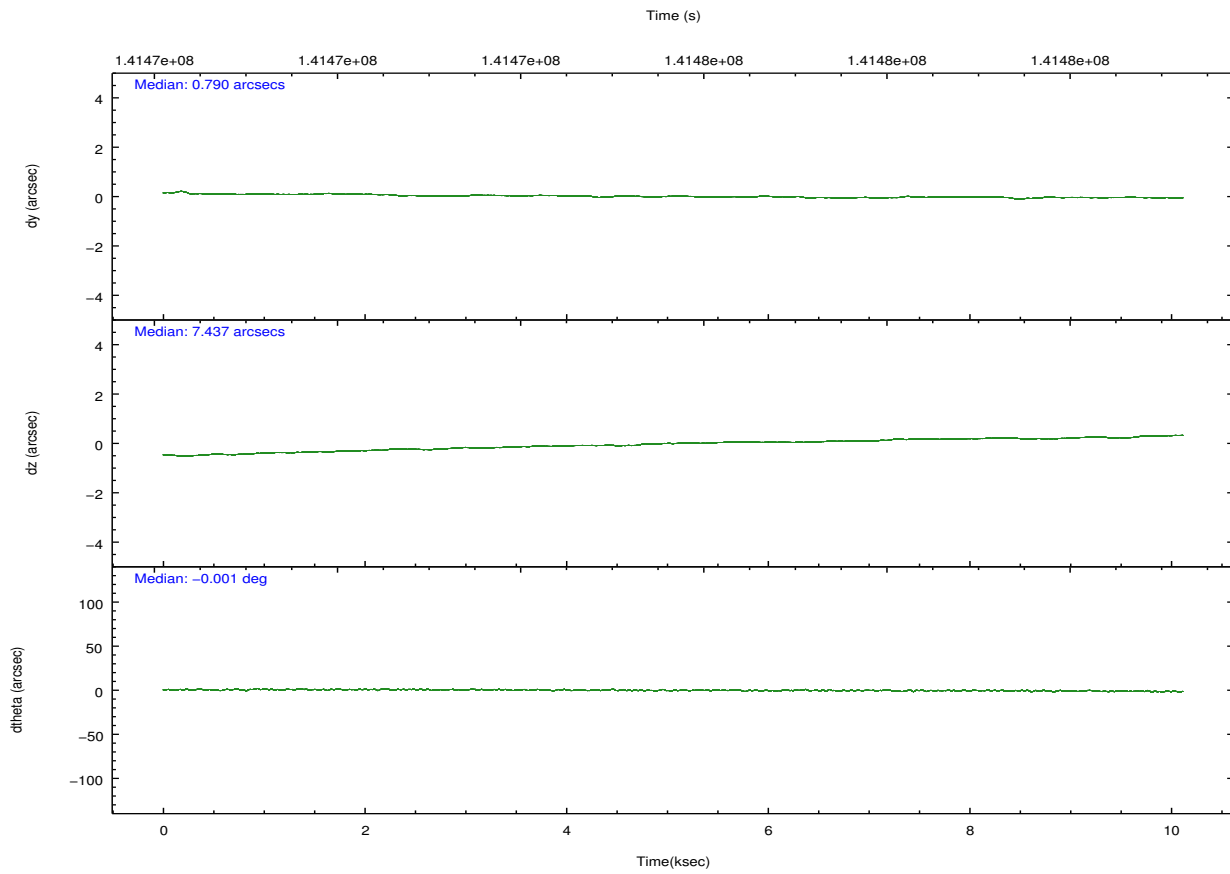
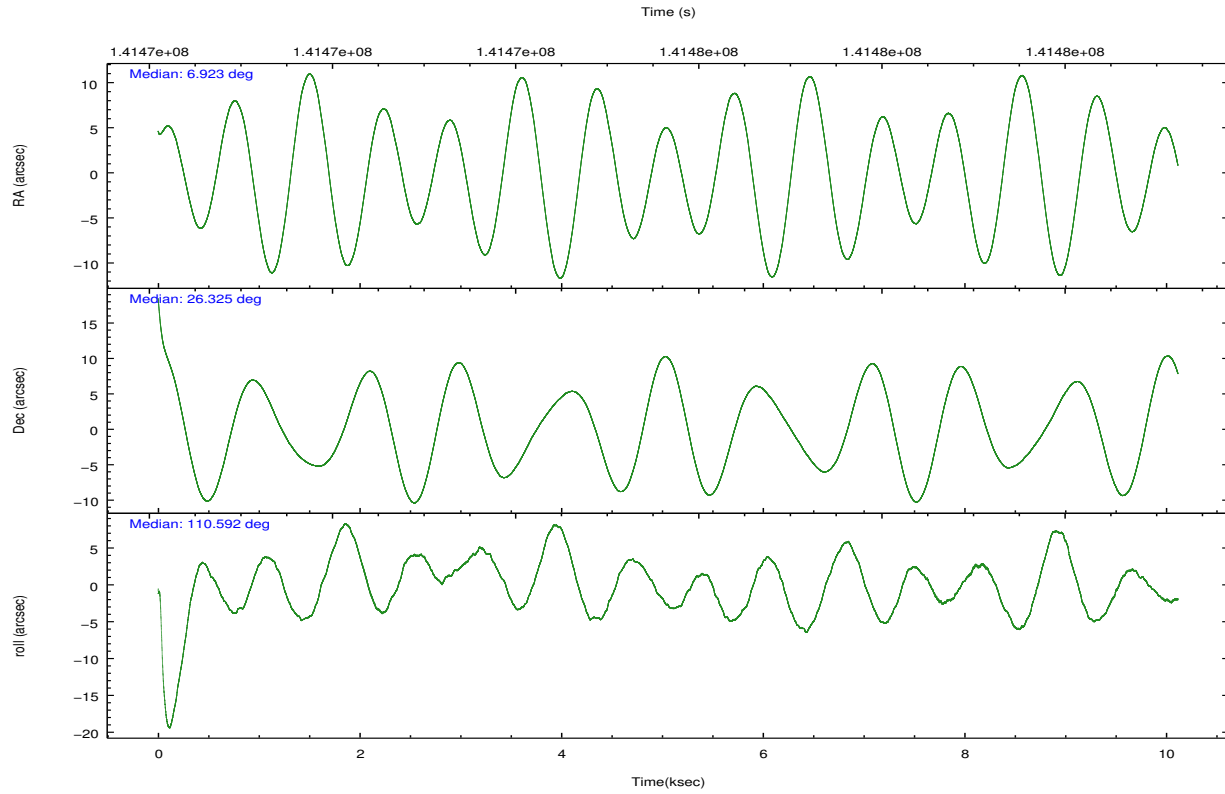
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2459	2650	2290	3582	2583
	3%	4%	3%	5%	3%
grade 1 events	18	31	25	44	31
	0%	0%	0%	0%	0%
grade 2 events	1523	1496	1423	1421	1474
	2%	2%	2%	2%	2%
grade 3 events	751	795	656	773	753
	1%	1%	0%	1%	1%
grade 4 events	744	841	737	752	749
	1%	1%	1%	1%	1%
grade 5 events	2138	2539	2128	2500	2501
	3%	4%	3%	3%	3%
grade 6 events	1227	1450	1240	1309	1457
	1%	2%	1%	1%	2%
grade 7 events	52646	52987	62146	59388	58055
	85%	84%	87%	85%	85%

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	6.945717	6.922072128363051	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.307820	26.32518771720029	Alternating exposures requested	N	N
[deg] Pointing Roll	110.379936	110.5991322858355	[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	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	141470720.184000	141468729.31757			
Observation start date	2002-06-26T09:24:16	2002-06-26T08:52:09			
[s] Observation end time (MET)	141480720.184000	141481385.50559			
Observation end date	2002-06-26T12:10:56	2002-06-26T12:23:05			
Read mode	TIMED	TIMED			

2.3 Aspect



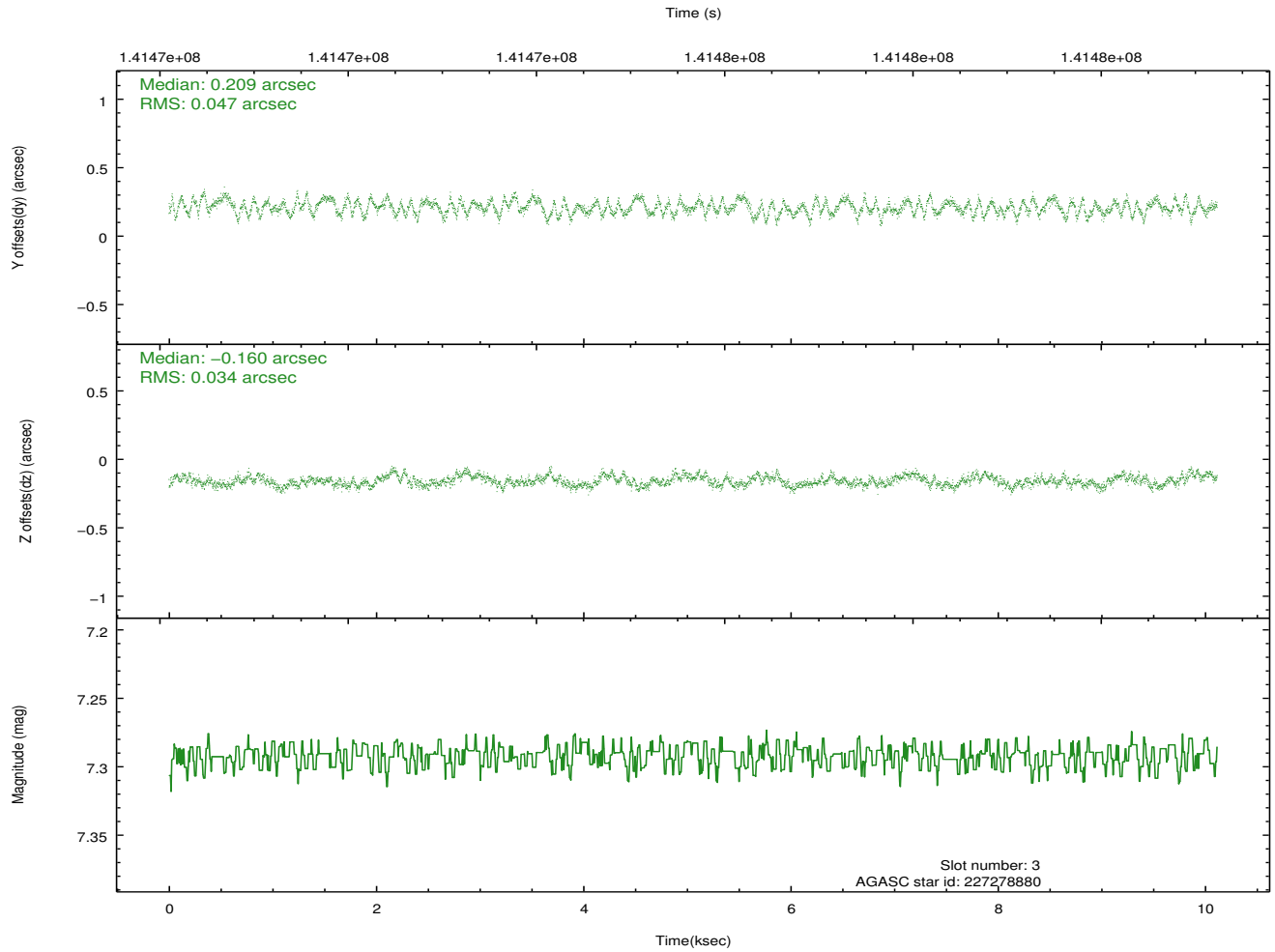
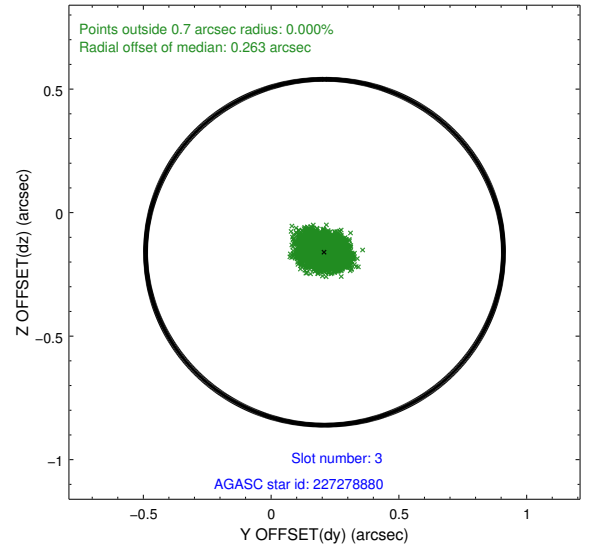
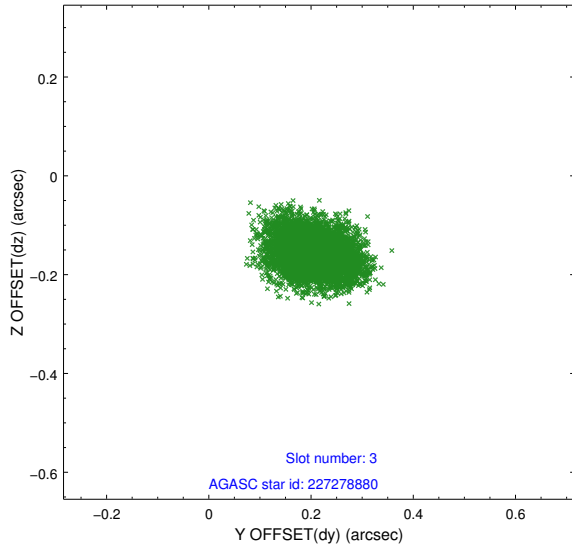


Slot Statistics

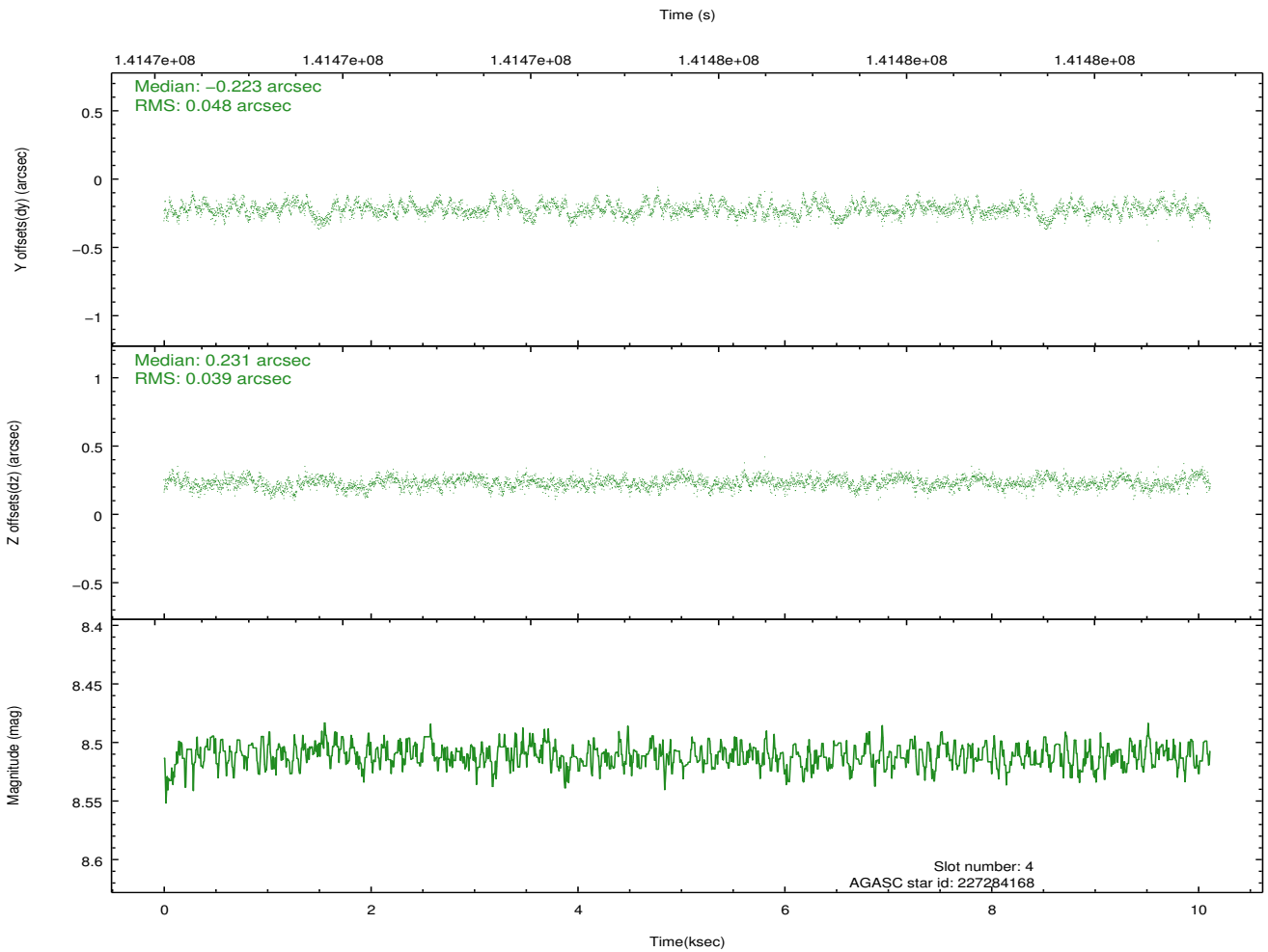
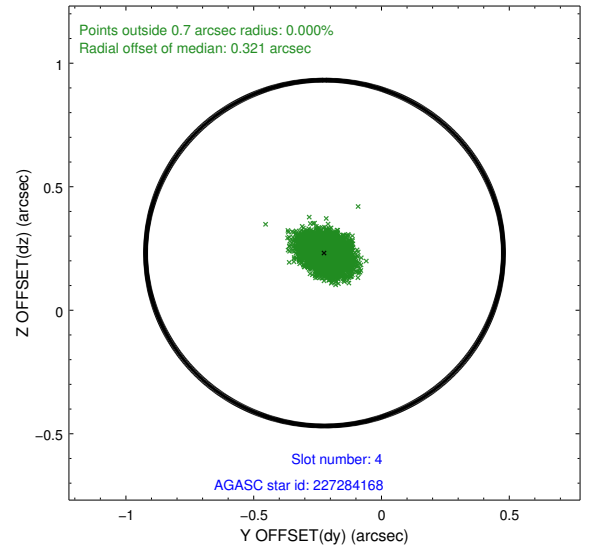
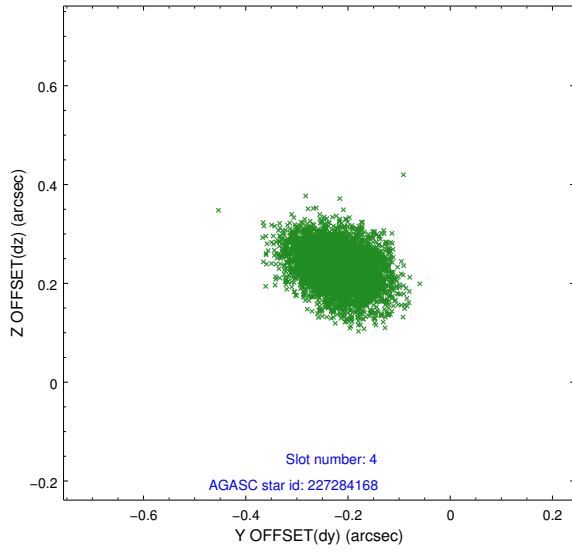
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	2468	0.094	-0.038	0.012	0.022	0.000000	0.000000	938.98	-989.93
1	FID	ACIS-I-5	7.22	2466	-0.200	0.104	0.009	0.014	0.000000	0.000000	-1809.09	907.43
2	FID	ACIS-I-6	7.26	2467	0.014	0.005	0.009	0.013	0.000000	0.000000	403.93	1552.39
3	GUIDE	227278880	7.29	4935	0.209	-0.160	0.063	0.099	6.802316	25.578514	-2297.51	1351.76
4	GUIDE	227284168	8.51	4936	-0.223	0.231	0.066	0.108	7.338725	26.871683	1466.01	-1888.67
5	GUIDE	227286408	8.56	4934	-0.036	0.072	0.067	0.106	7.352499	26.495316	179.98	-1463.31
6	GUIDE	227288248	8.91	4934	-0.062	0.081	0.072	0.119	7.112560	26.515036	513.78	-762.49
7	GUIDE	227286224	9.60	4933	0.105	-0.227	0.112	0.182	6.556975	25.872372	-1027.95	1726.45

2.4 Star Slots

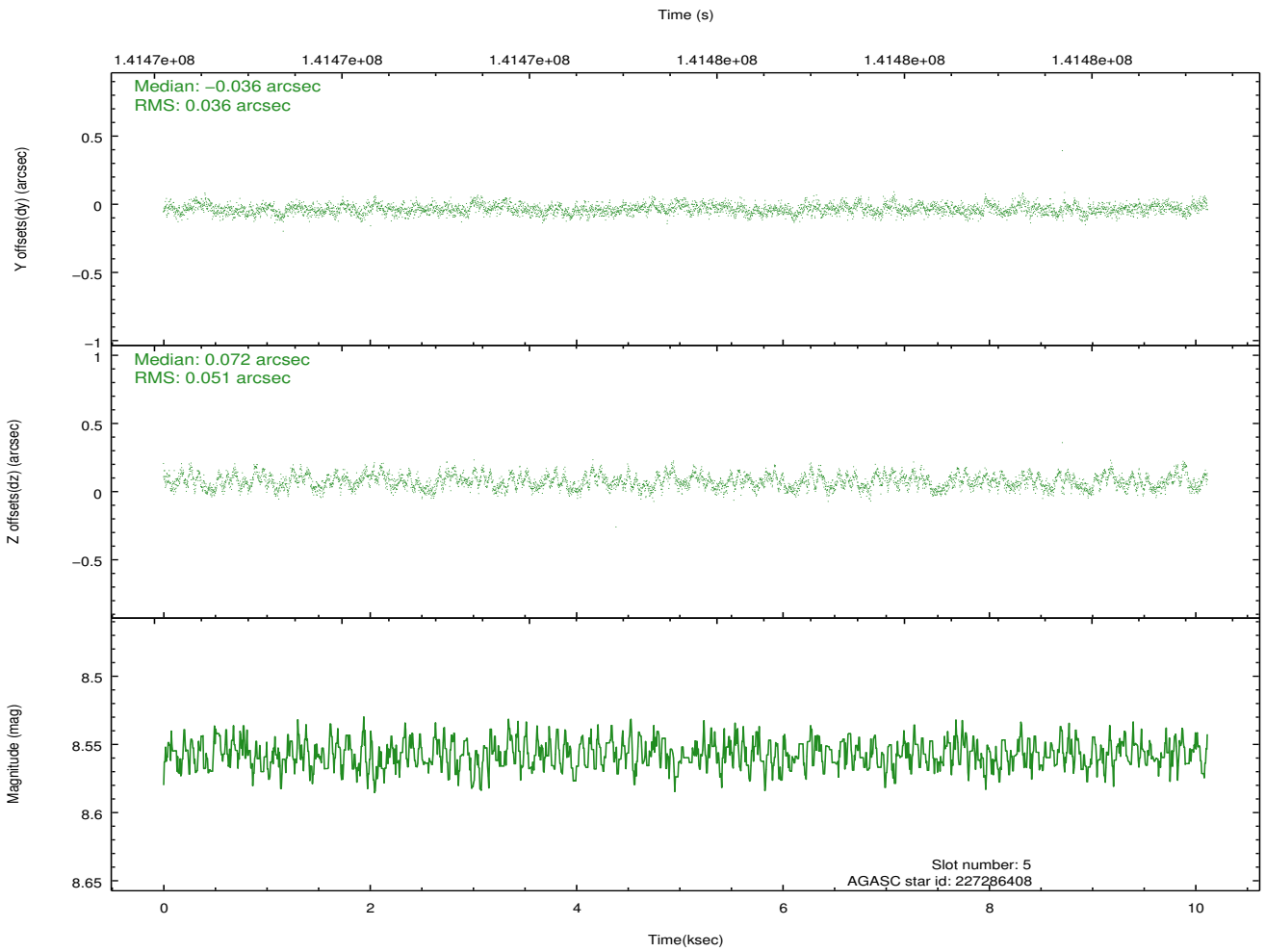
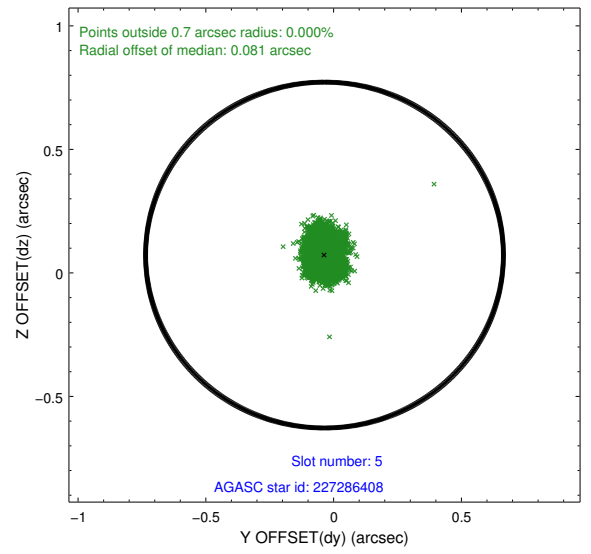
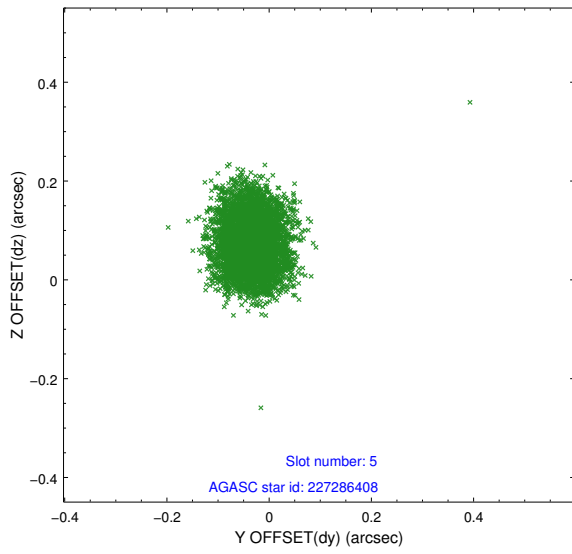
2.4.1 Slot 3



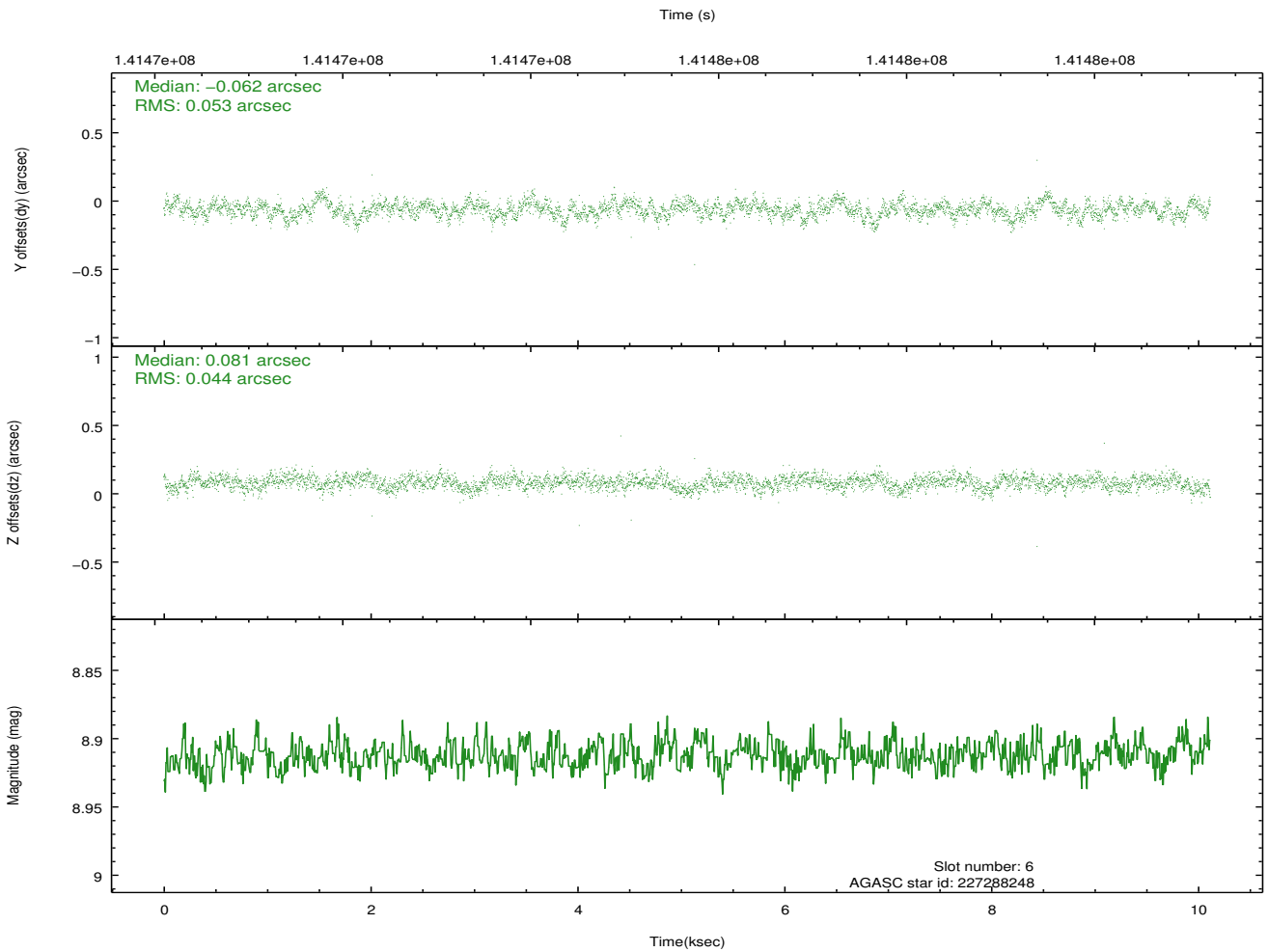
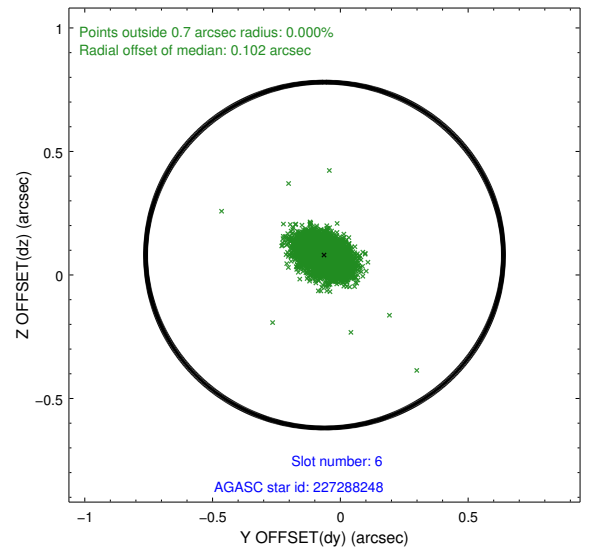
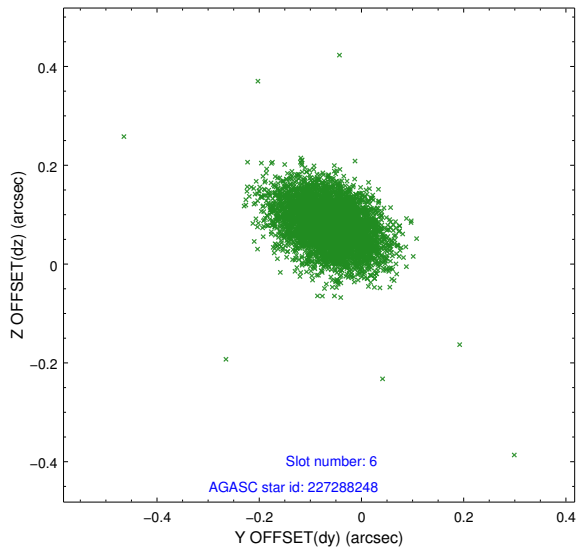
2.4.2 Slot 4



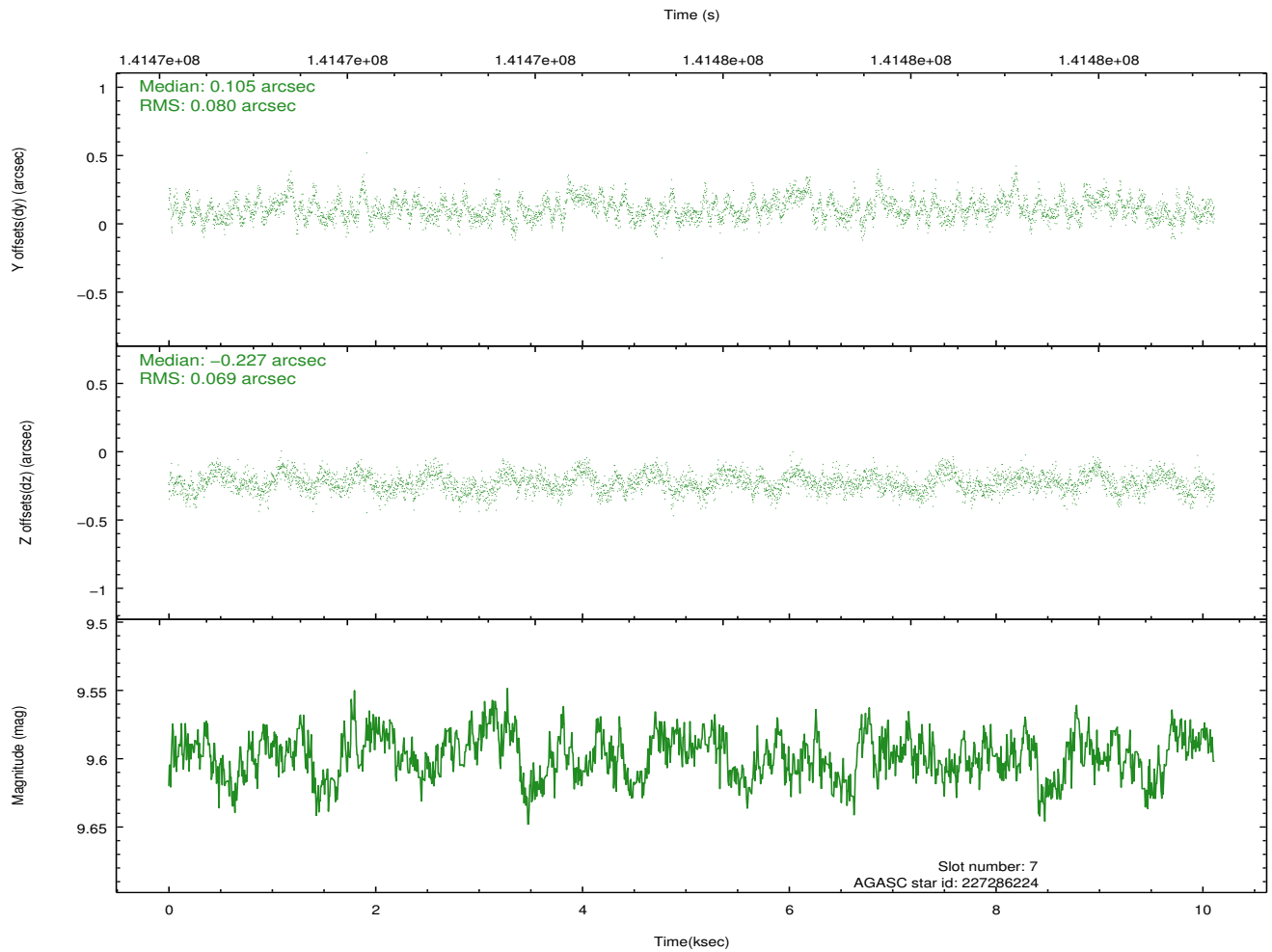
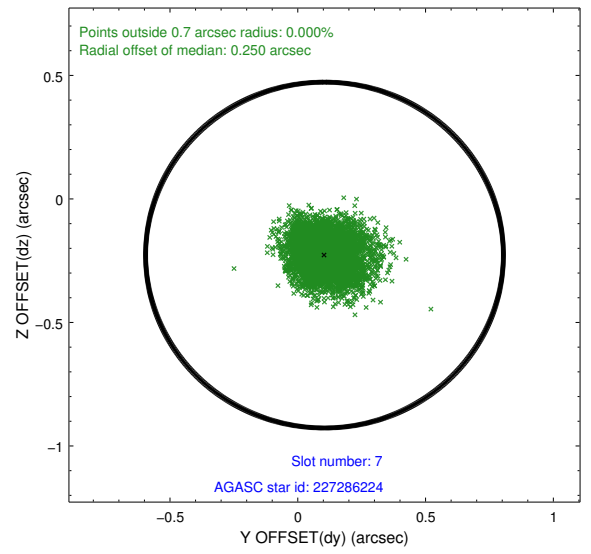
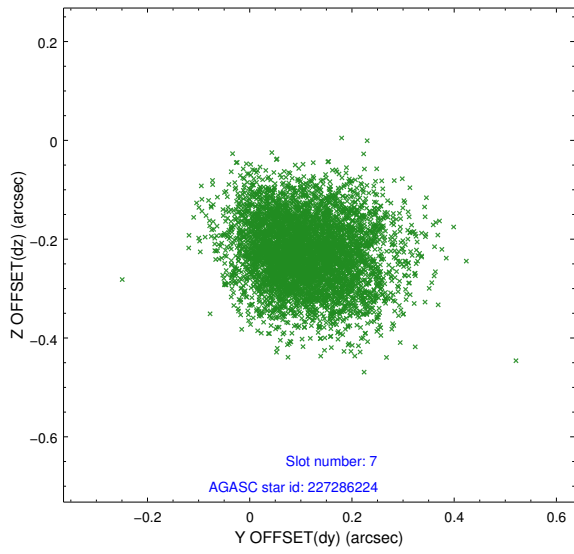
2.4.3 Slot 5



2.4.4 Slot 6

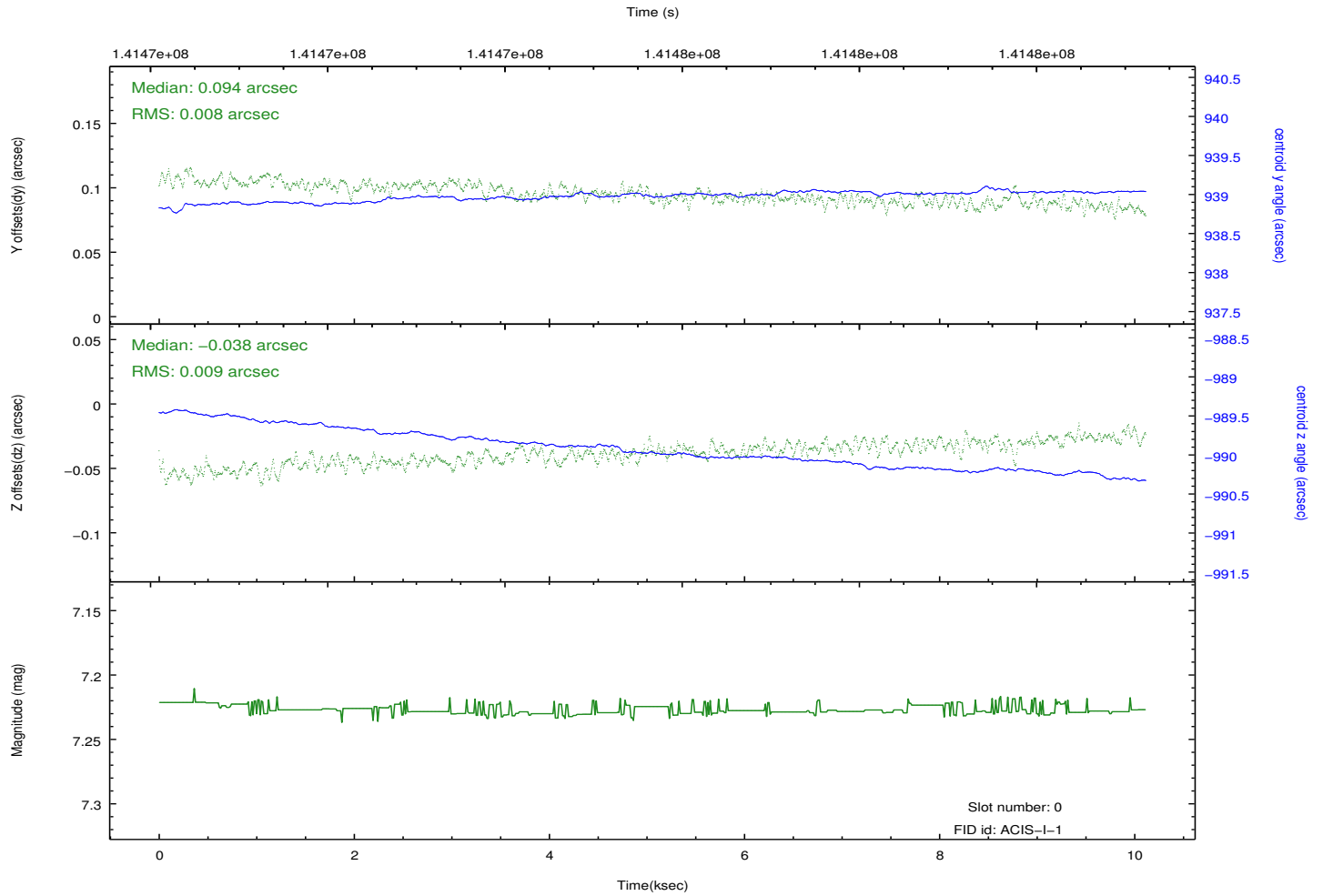
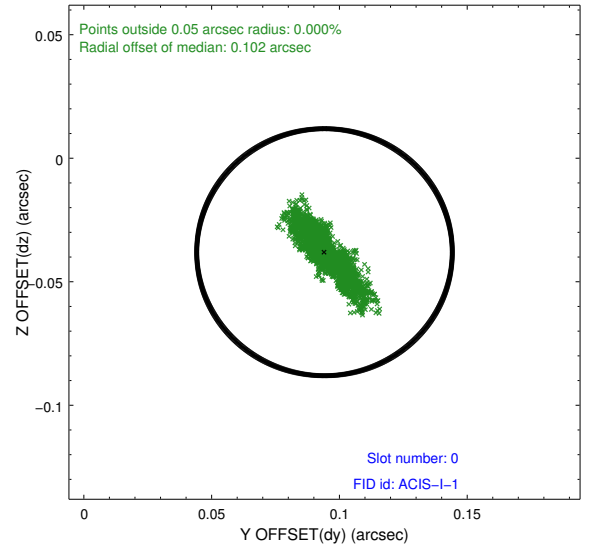
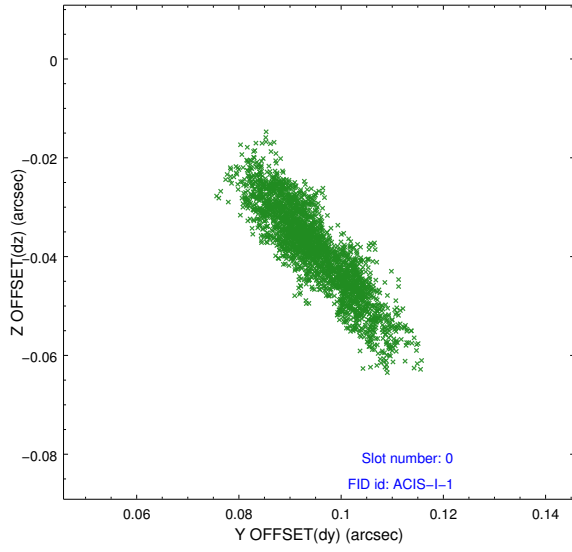


2.4.5 Slot 7

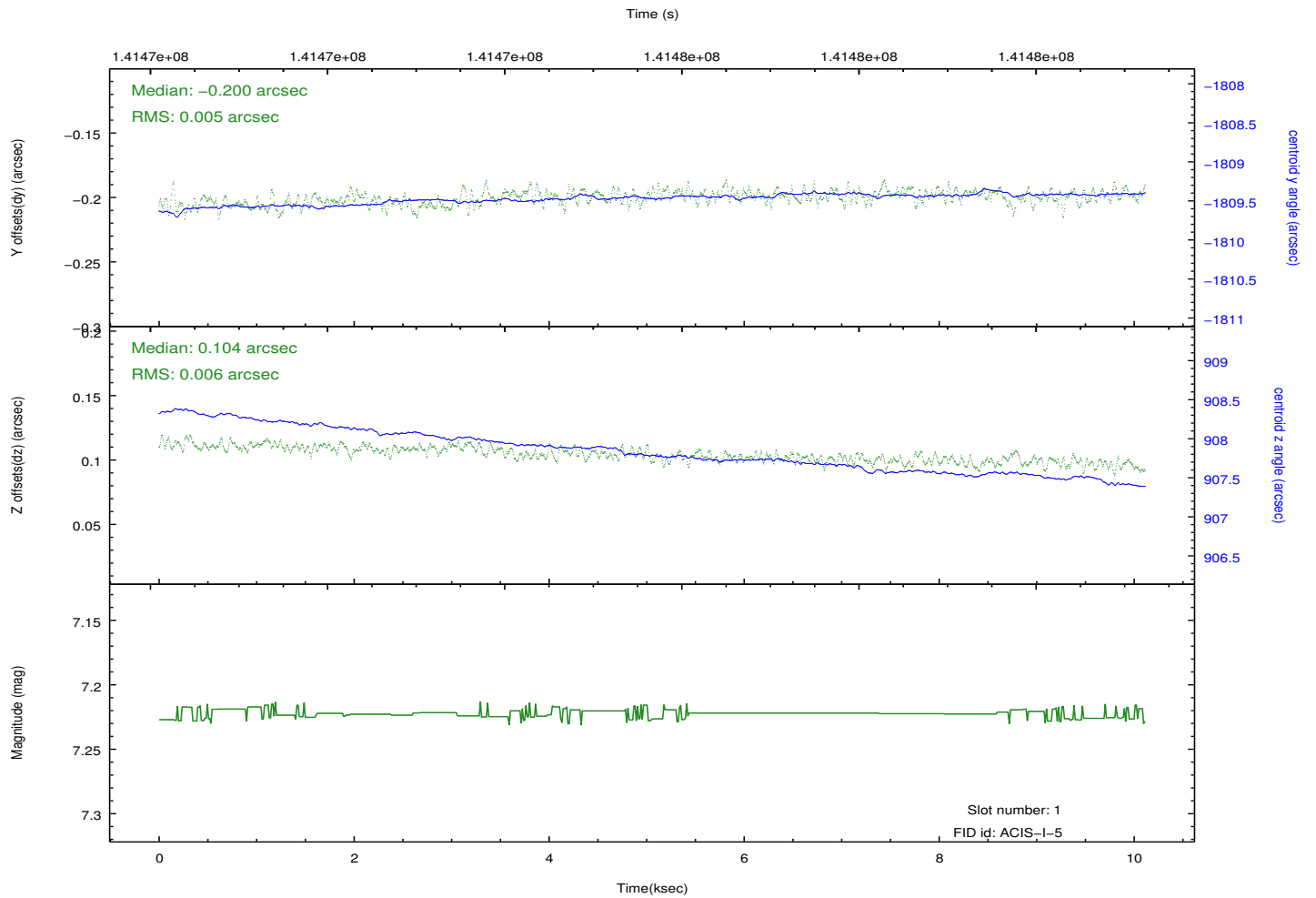
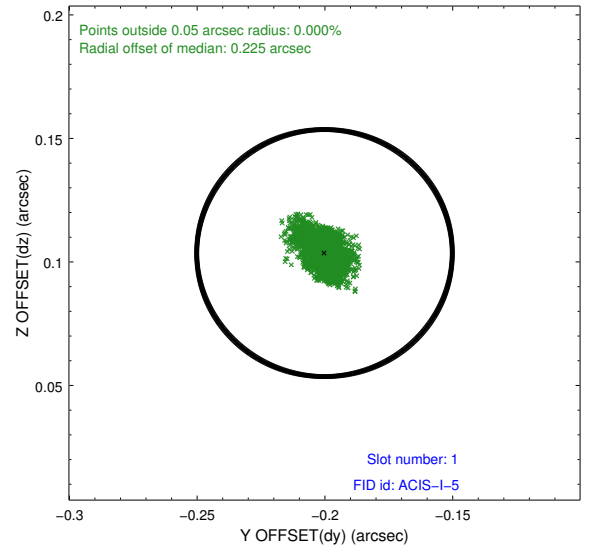
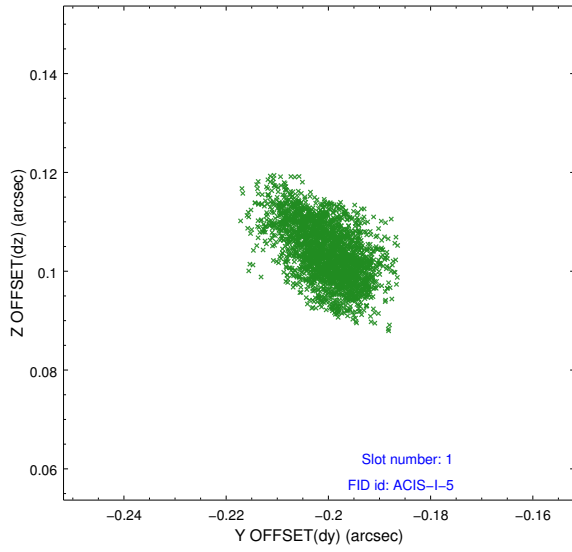


2.5 FID Slots

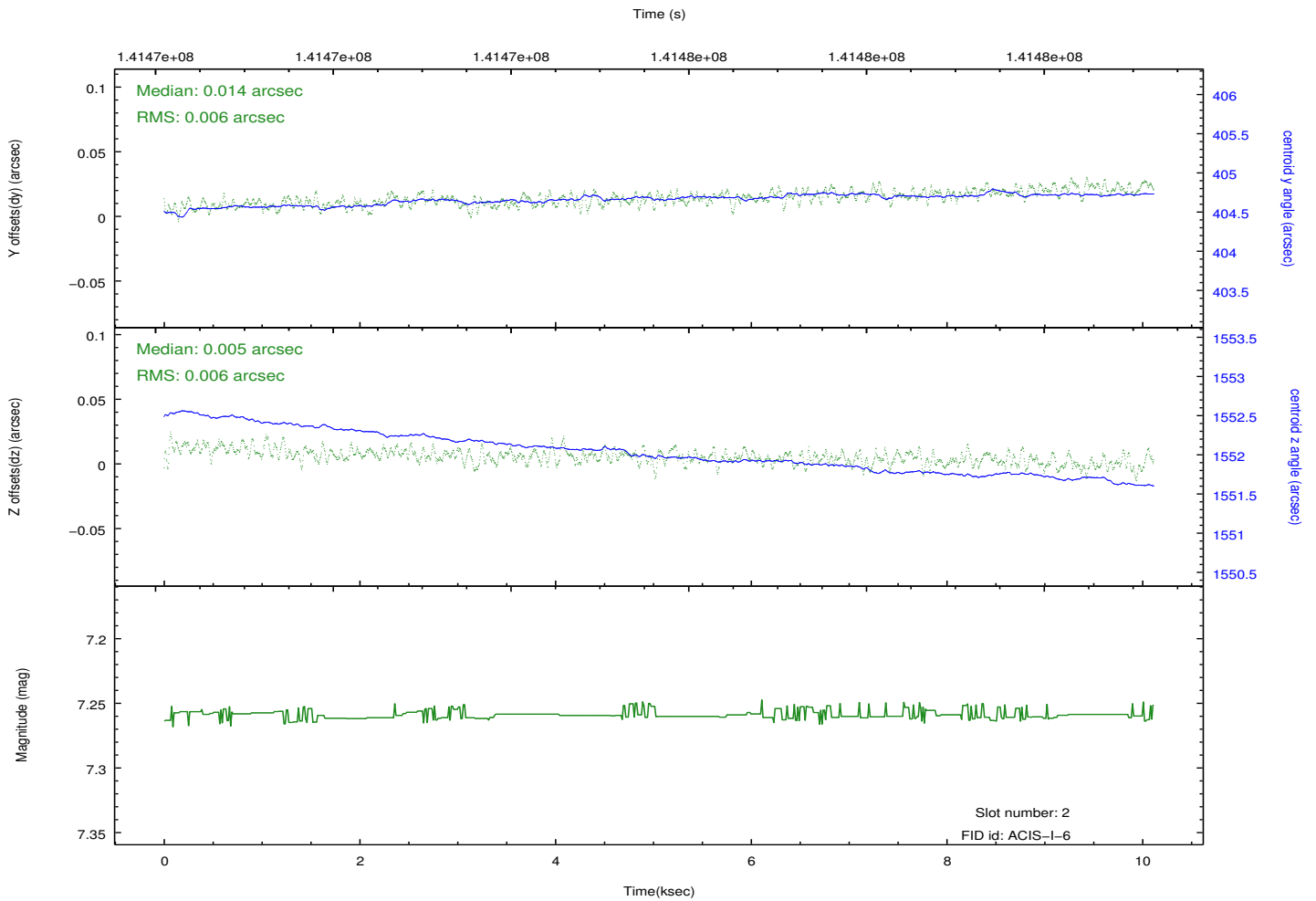
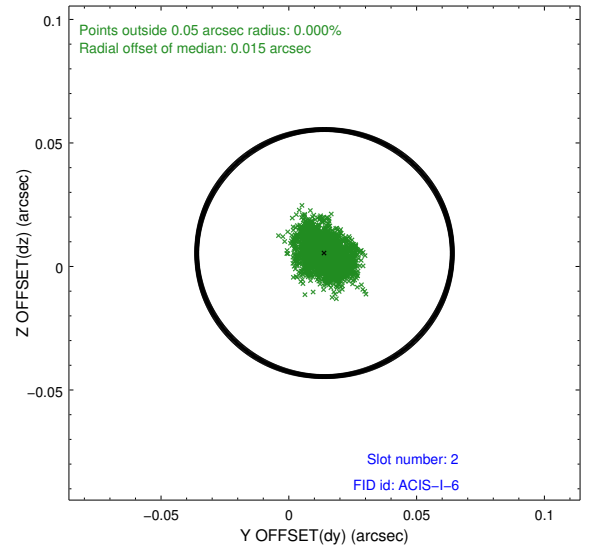
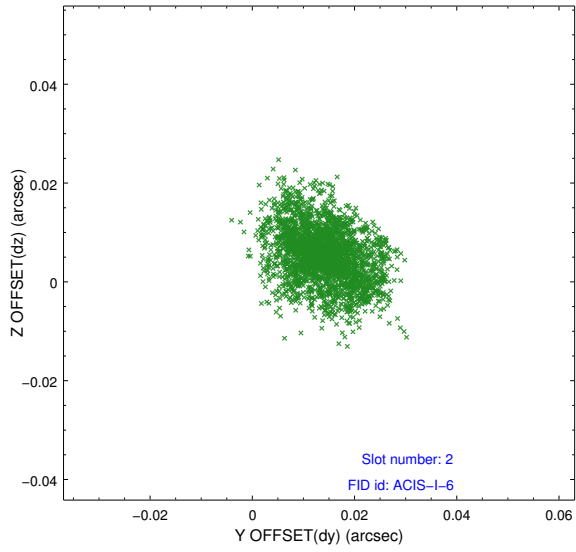
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.109

A.2 Comments