

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10433 - L2 Version 2
Chandra X-Ray Center

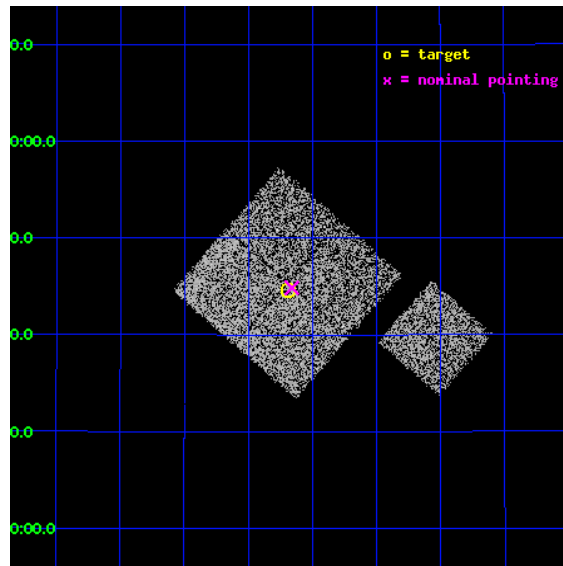
L2 Processing Date : Jun 3 2012

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

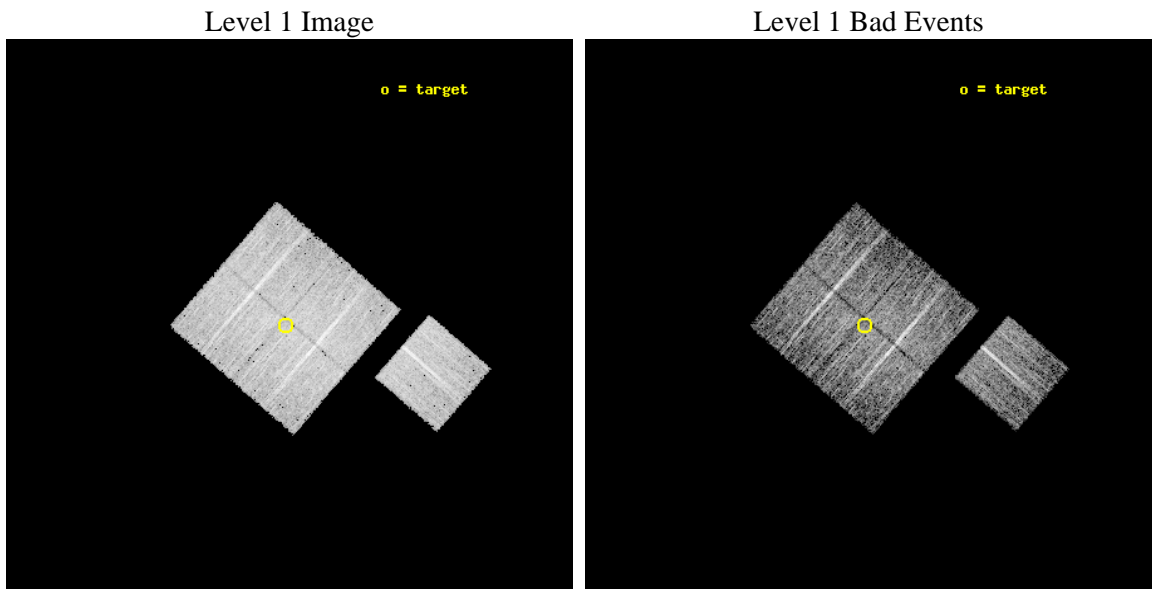
seq_num	800794	Sequence number
obs_id	10433	Observation id
title	A Chandra baseline for galaxy cluster evolution studies	Proposal t
observer	Dr Ben Maughan	Principal investigator
object	A1795	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.047771	Observer's specified target RA [deg]
dec_targ	26.74339	Observer's specified target Dec [deg]
ra_nom	207.040060124	Nominal RA [deg]
dec_nom	26.747621471368	Nominal Dec [deg]
roll_nom	130.96221151953	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5170.8000397682	Sum of GTIs [s]
livetime	5103.239730561	Livetime [s]
ontime0	5170.8000397682	Sum of GTIs [s]
ontime1	5170.8000397682	Sum of GTIs [s]
ontime2	5170.8000397682	Sum of GTIs [s]
ontime3	5170.8000397682	Sum of GTIs [s]
ontime6	5167.6590195298	Sum of GTIs [s]
l2events	20789	Number of level 2 events



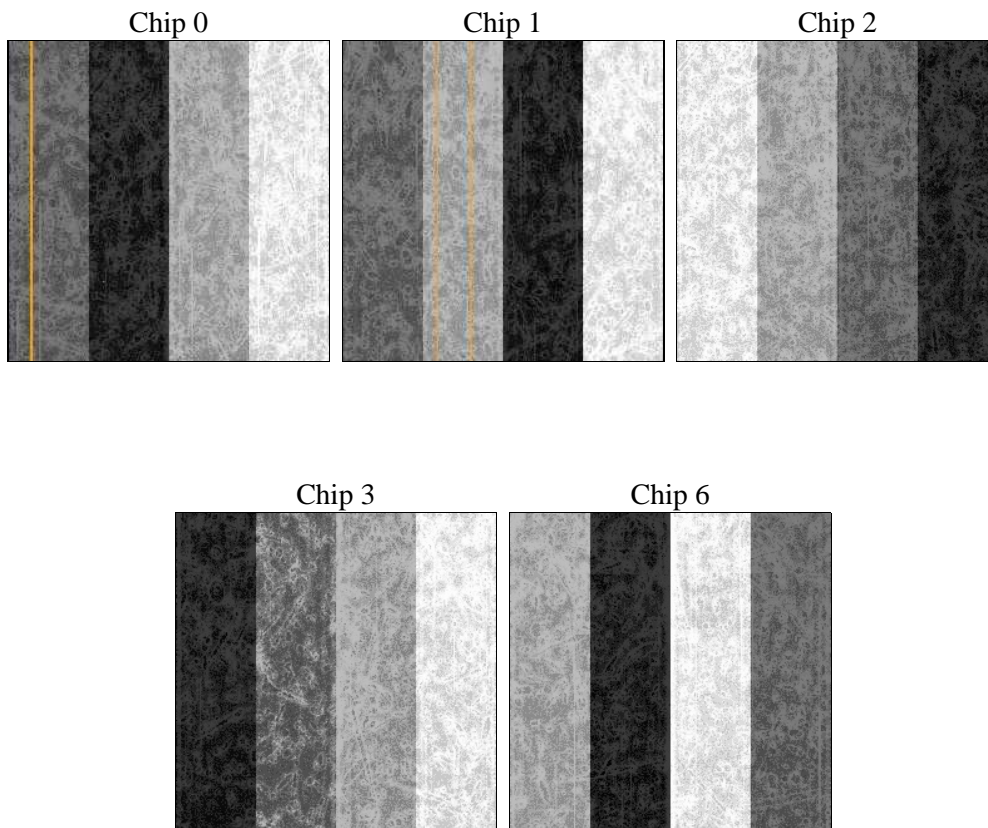
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5170.8000397682	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5170.8000397682	Sum of GTIs [s]
date	2012-06-03T05:47:48	Date and time of file creation	ontime1	5170.8000397682	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5170.8000397682	Sum of GTIs [s]
			ontime3	5170.8000397682	Sum of GTIs [s]
			ontime6	5167.6590195298	Sum of GTIs [s]
			l1events	254430	Number of level 1 events

2.1.4 Events

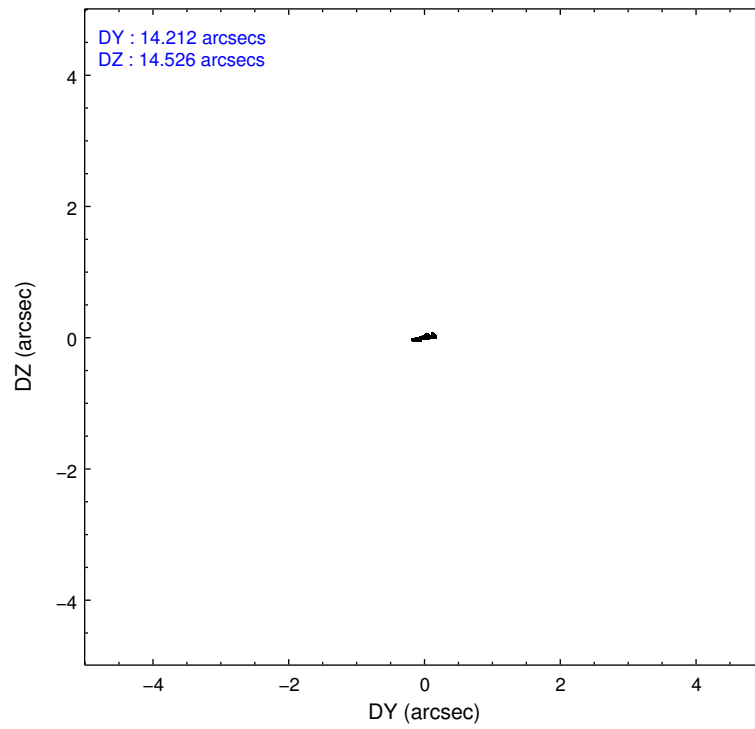
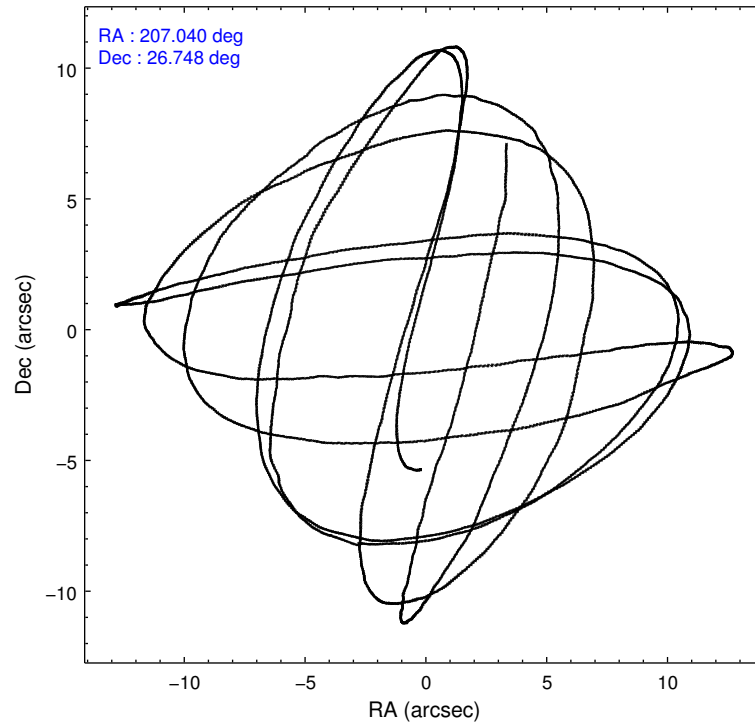
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	46763	51321	53147	51829	51370
rejected events	42187	45326	48626	46805	46817
rejected %	90%	88%	91%	90%	91%

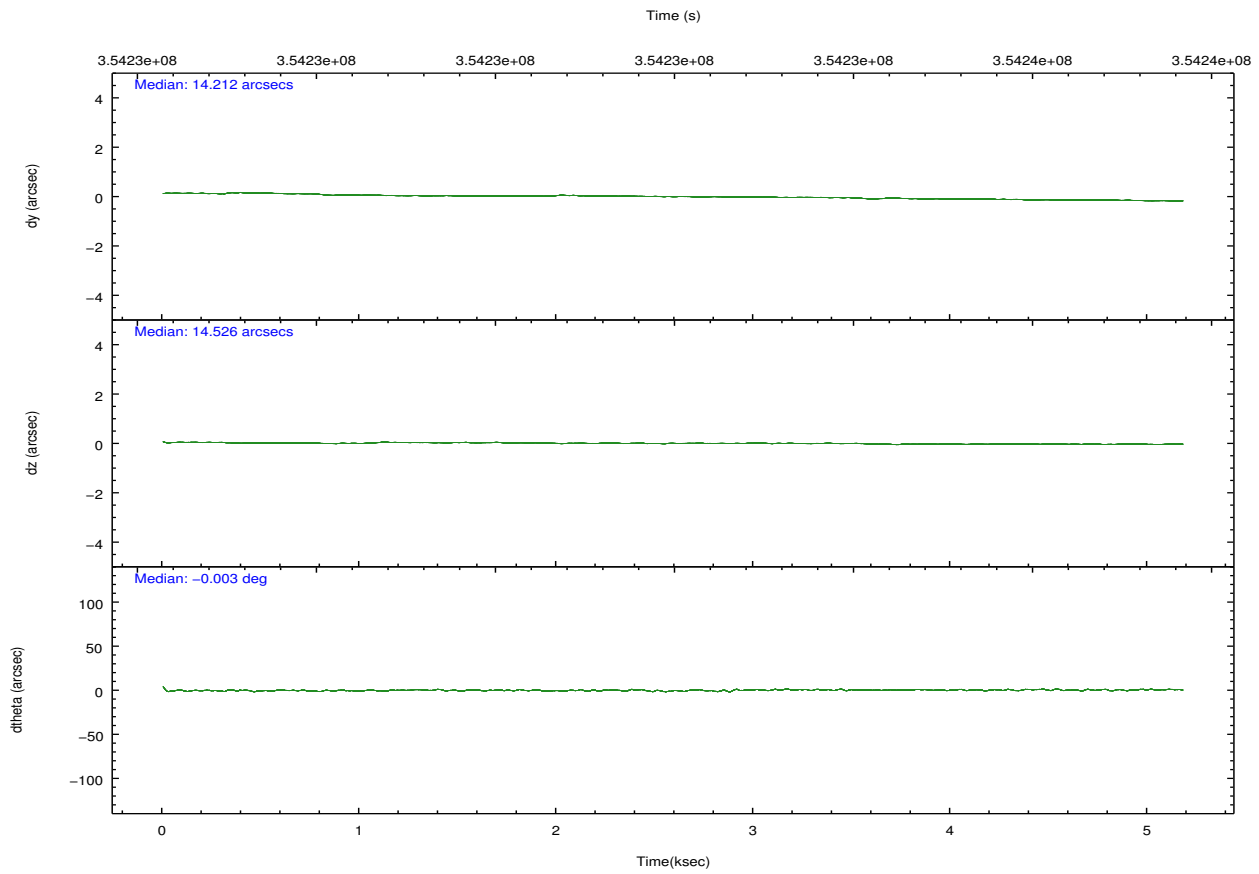
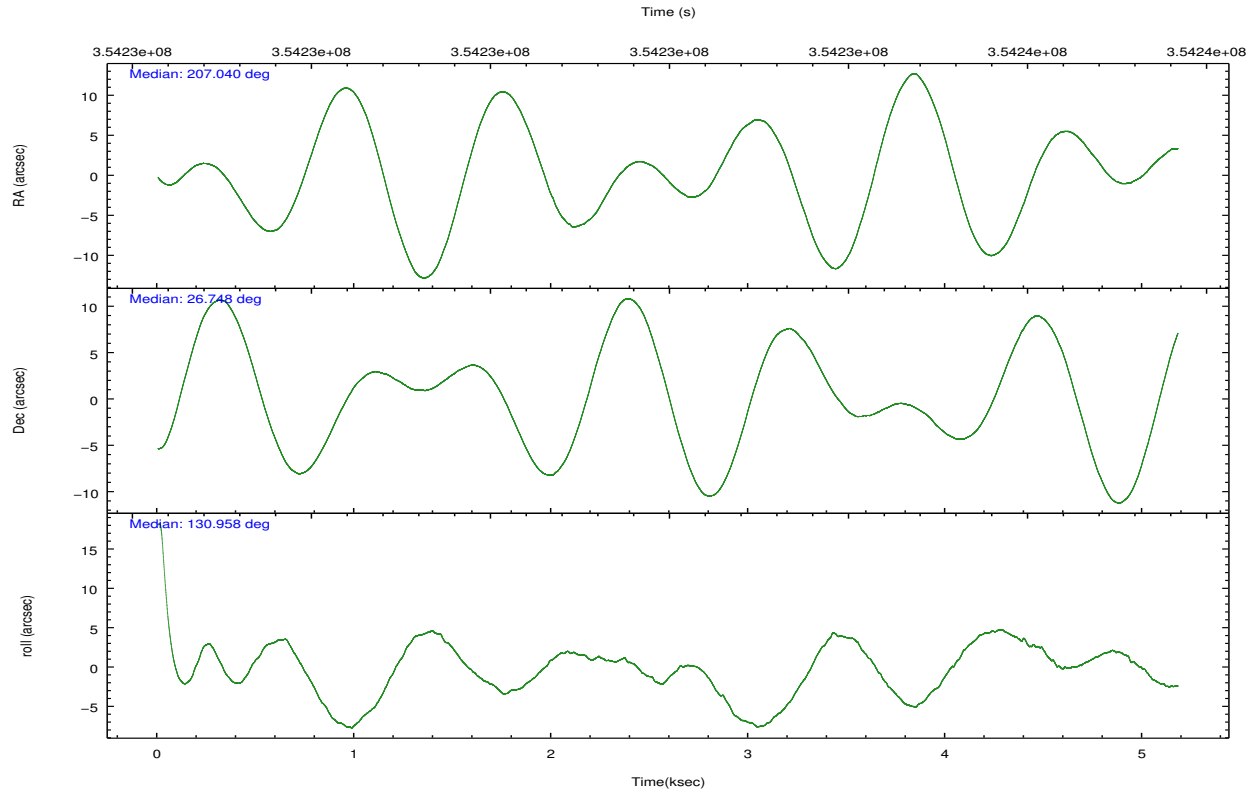
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1925	2997	2061	2402	1816
	4%	5%	3%	4%	3%
grade 1 events	32	38	40	39	22
	0%	0%	0%	0%	0%
grade 2 events	1290	1432	1230	1175	1230
	2%	2%	2%	2%	2%
grade 3 events	556	633	513	580	574
	1%	1%	0%	1%	1%
grade 4 events	520	631	534	622	526
	1%	1%	1%	1%	1%
grade 5 events	1933	2133	1765	2227	2063
	4%	4%	3%	4%	4%
grade 6 events	1073	1179	938	1001	1195
	2%	2%	1%	1%	2%
grade 7 events	39434	42278	46066	43783	43944
	84%	82%	86%	84%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	207.069219	207.0400601239973	CCD I2 on	Y	Y
[deg] Pointing Dec	26.738773	26.74762147136768	CCD I3 on	Y	Y
[deg] Pointing Roll	130.740345	130.9622115195304	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	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	354230584.184000	354229153.74838	CCD S5 on	N	N
Observation start date	2009-03-23T21:21:58	2009-03-23T20:59:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	354235584.184000	354236598.32375	On-chip summing requested	N	N
Observation end date	2009-03-23T22:45:18	2009-03-23T23:03:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



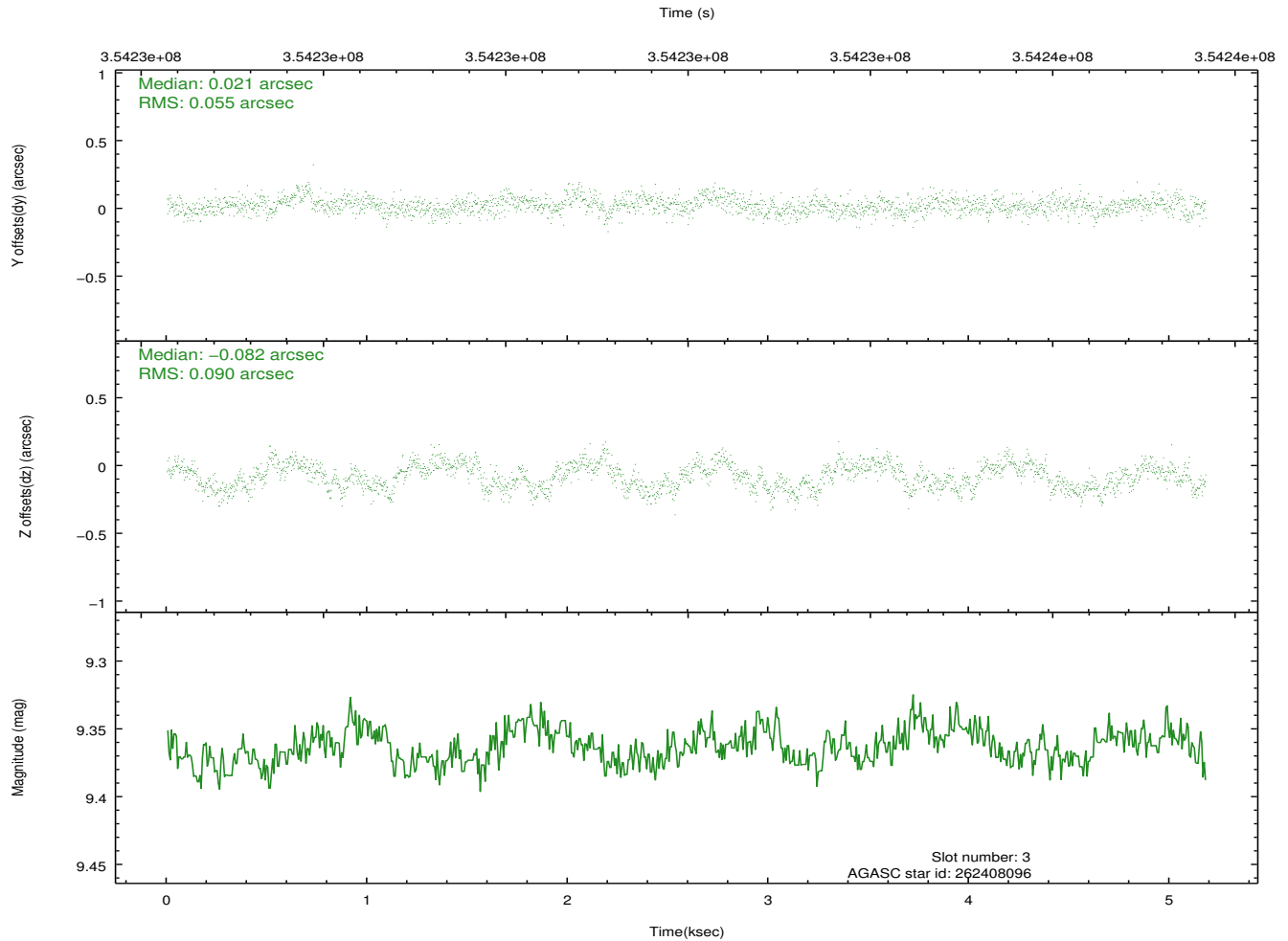
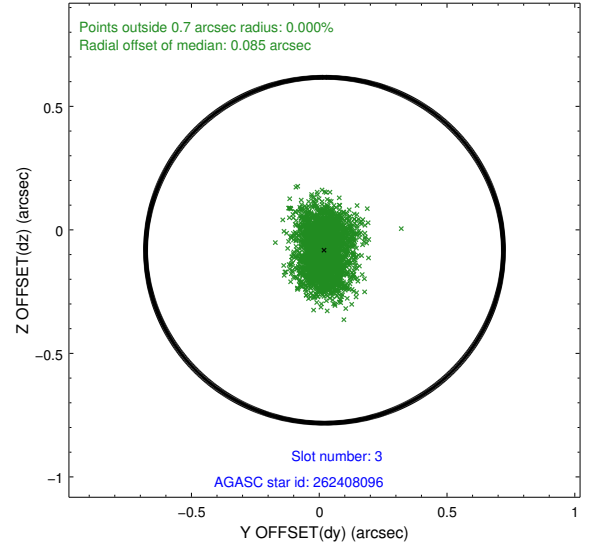
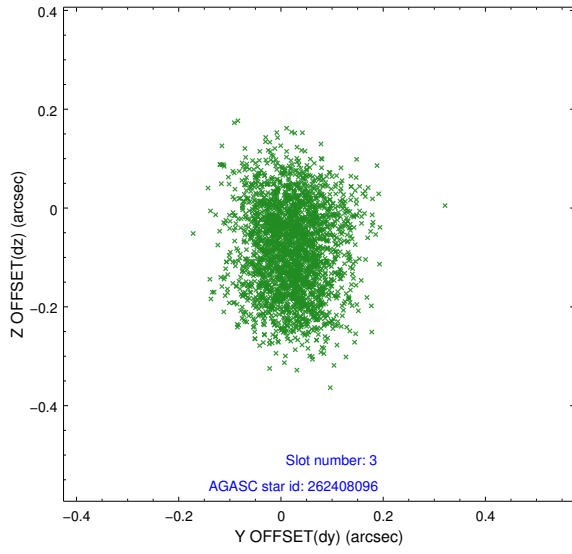


Slot Statistics

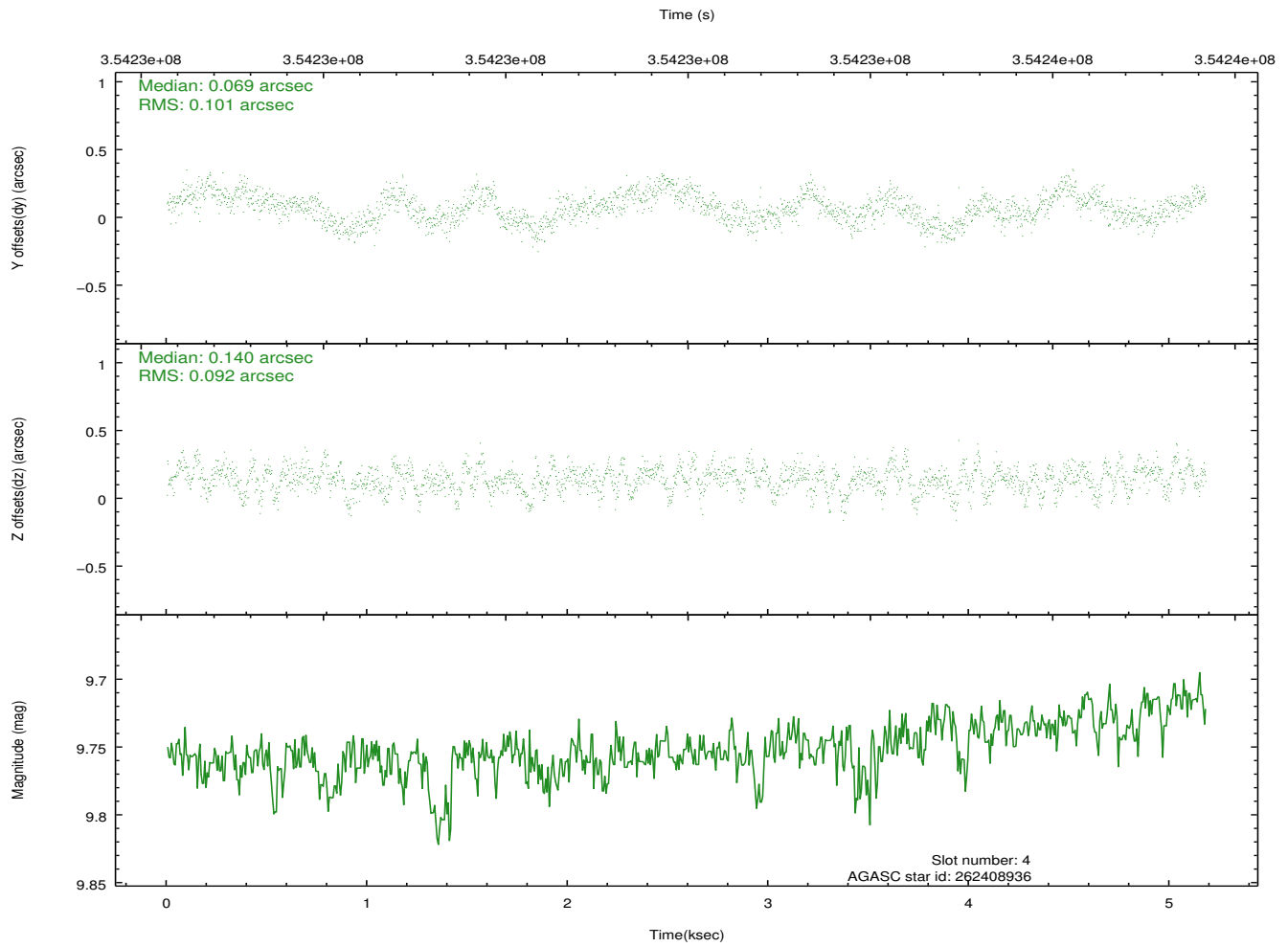
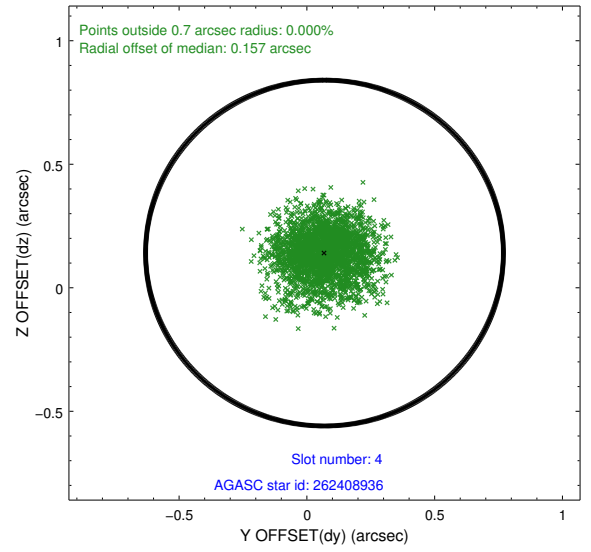
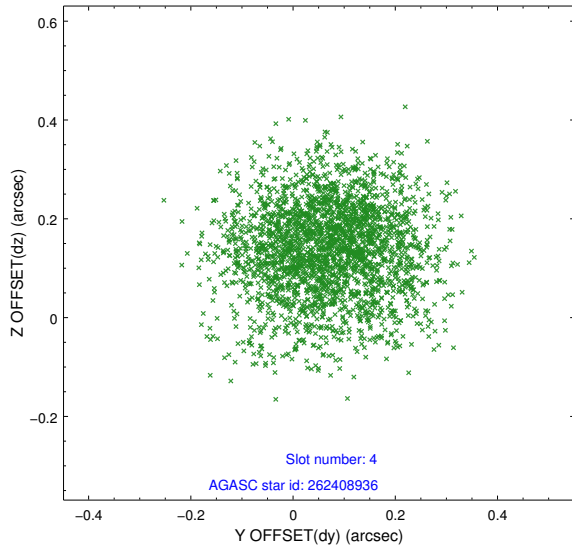
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	1263	-0.009	0.017	0.008	0.016	0.000000	0.000000	925.29	-838.08
1	FID	ACIS-I-4	6.98	1263	0.149	0.016	0.010	0.015	0.000000	0.000000	2146.11	1061.16
2	FID	ACIS-I-5	7.06	1263	-0.238	0.037	0.008	0.013	0.000000	0.000000	-1821.47	1060.30
3	GUIDE	262408096	9.36	2526	0.021	-0.082	0.113	0.179	207.011678	26.515421	-487.49	665.39
4	GUIDE	262408936	9.75	2525	0.069	0.140	0.147	0.236	207.154731	26.726554	-212.57	-179.17
5	GUIDE	262409552	8.18	2527	-0.295	-0.115	0.085	0.135	206.584269	27.192805	2254.15	108.24
6	GUIDE	262409624	10.14	2520	0.062	-0.125	0.201	0.320	207.610037	27.074851	-210.32	-2105.42
7	GUIDE	262408104	10.41	2500	0.134	0.174	0.207	0.319	207.864096	26.823111	-1430.40	-2138.99

2.4 Star Slots

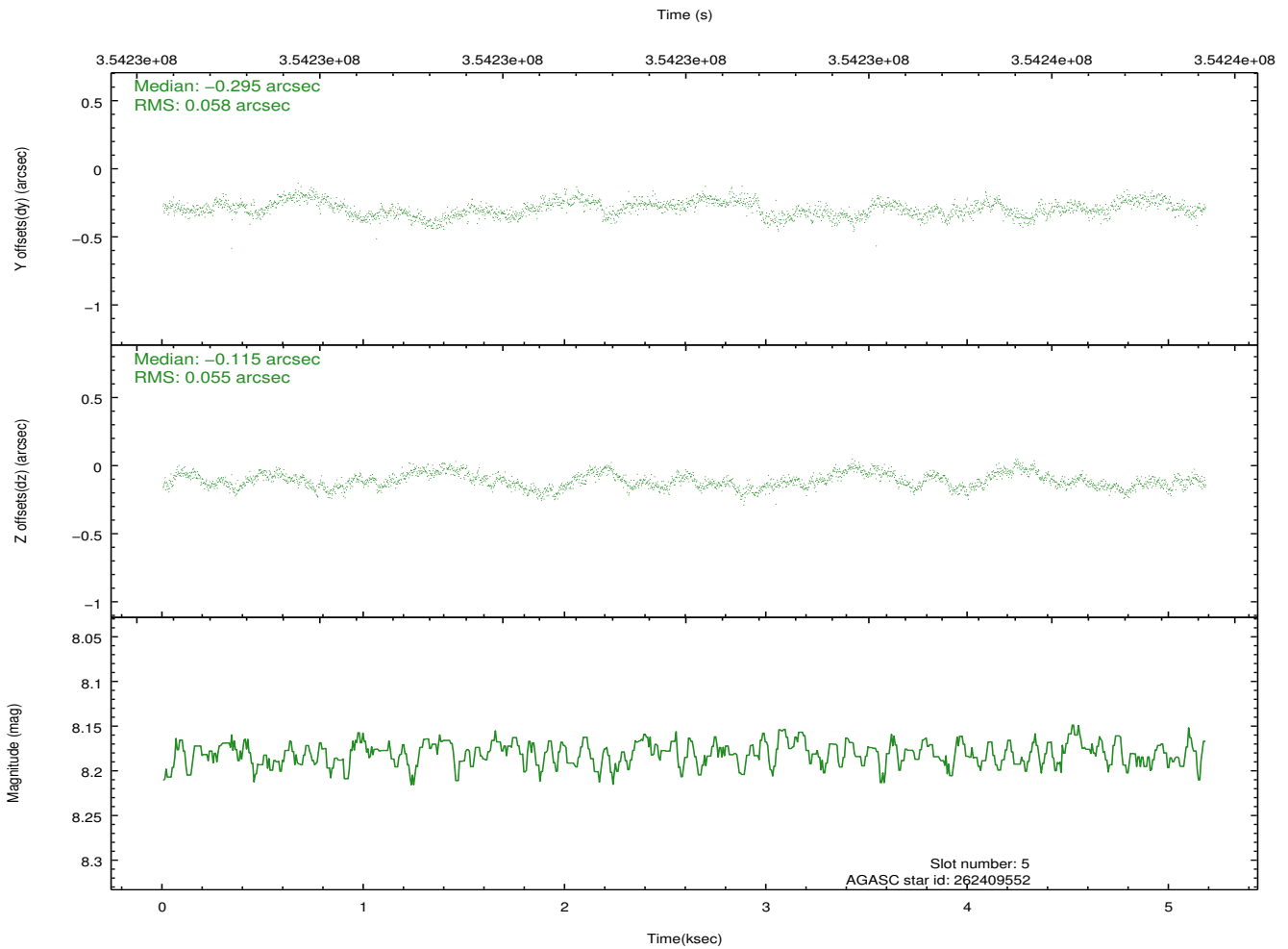
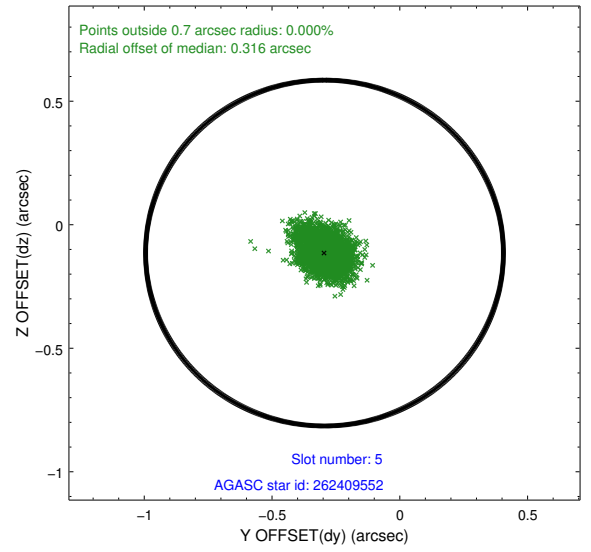
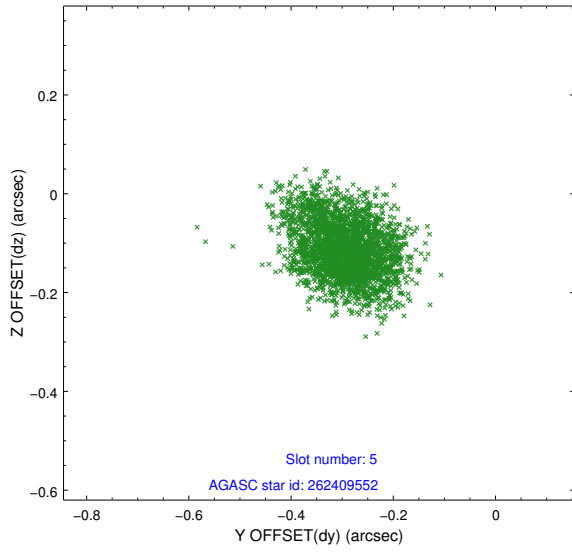
2.4.1 Slot 3



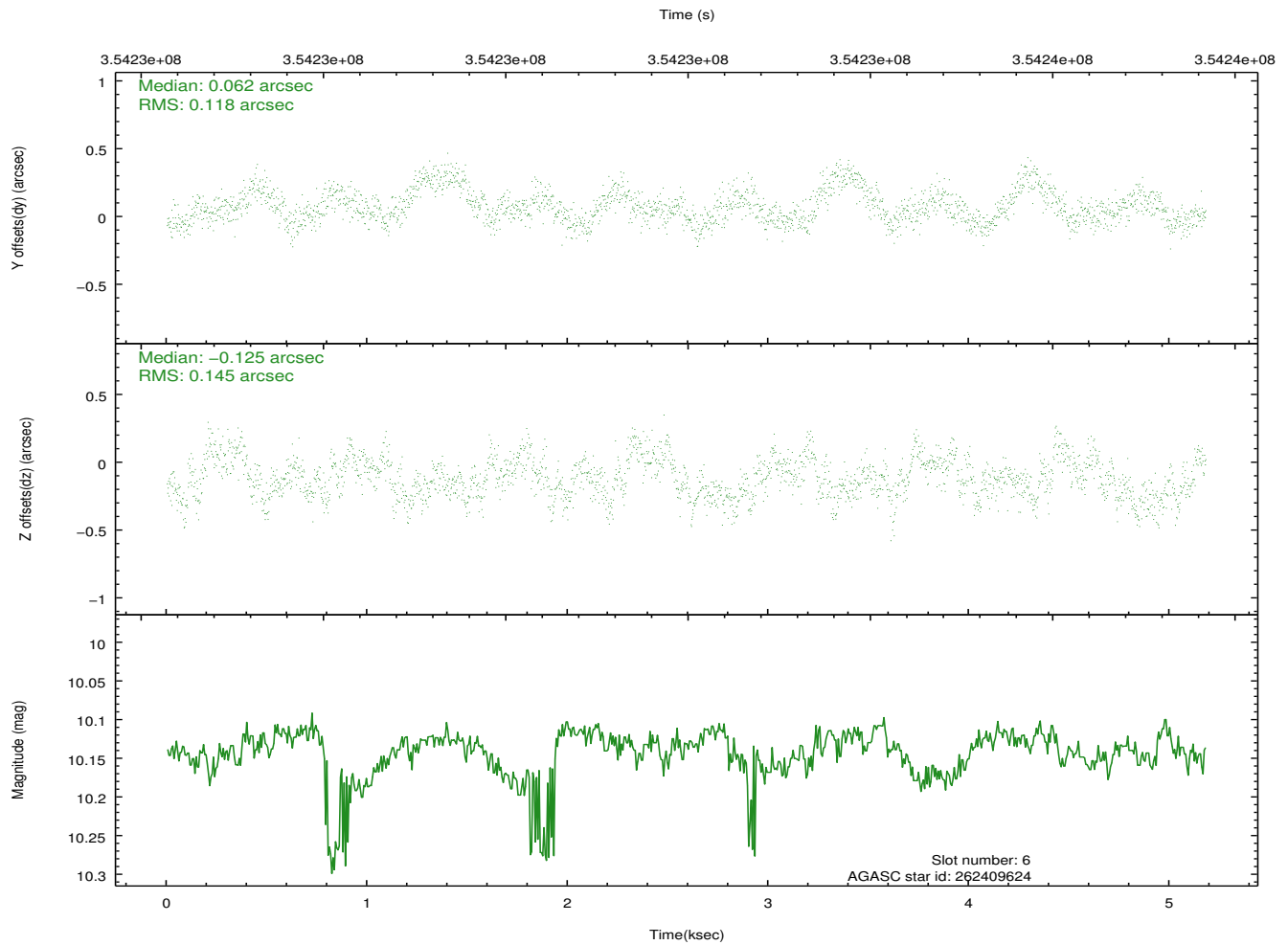
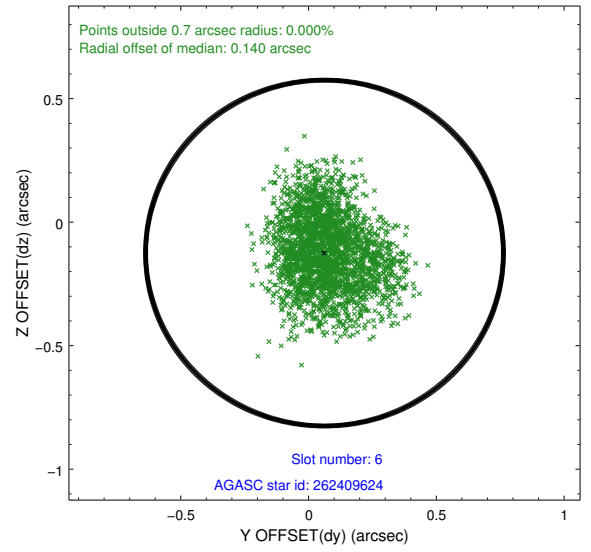
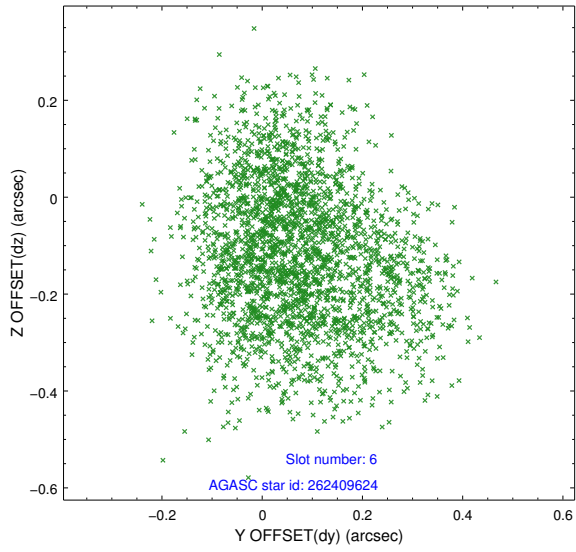
2.4.2 Slot 4



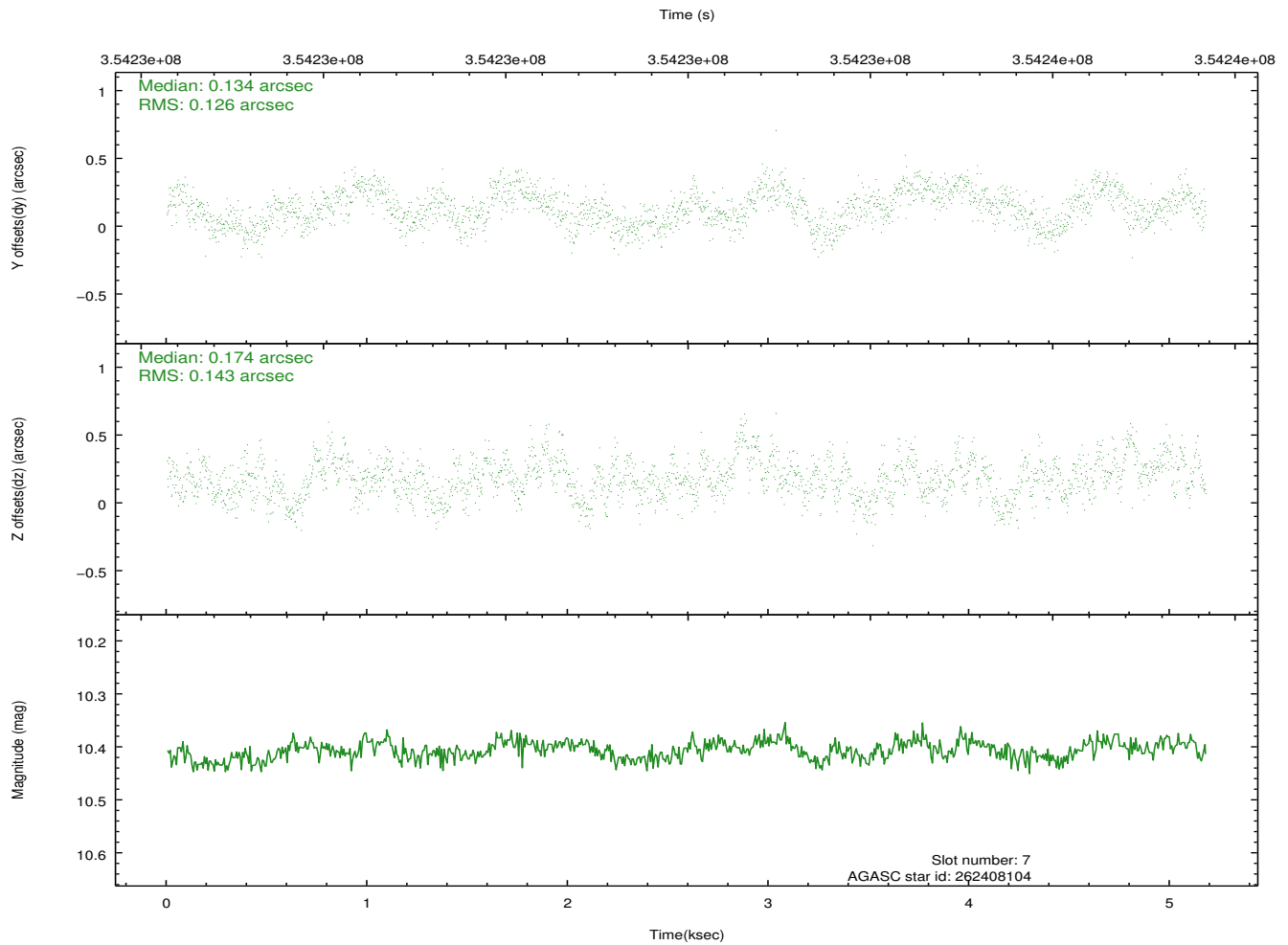
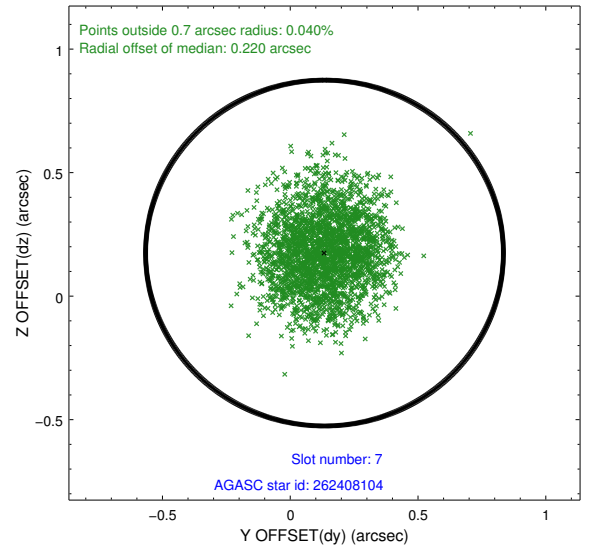
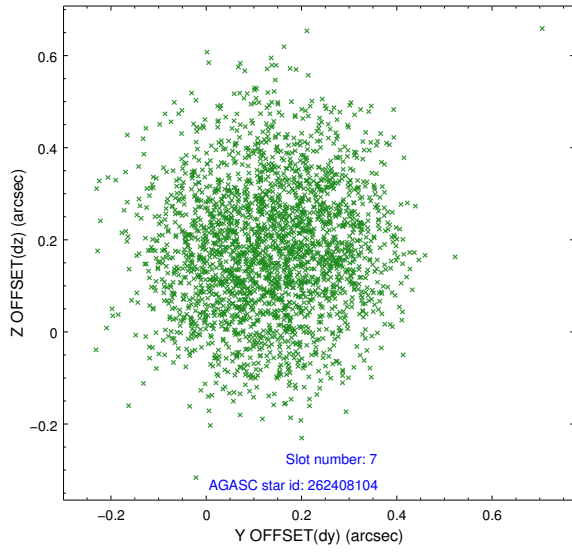
2.4.3 Slot 5



2.4.4 Slot 6

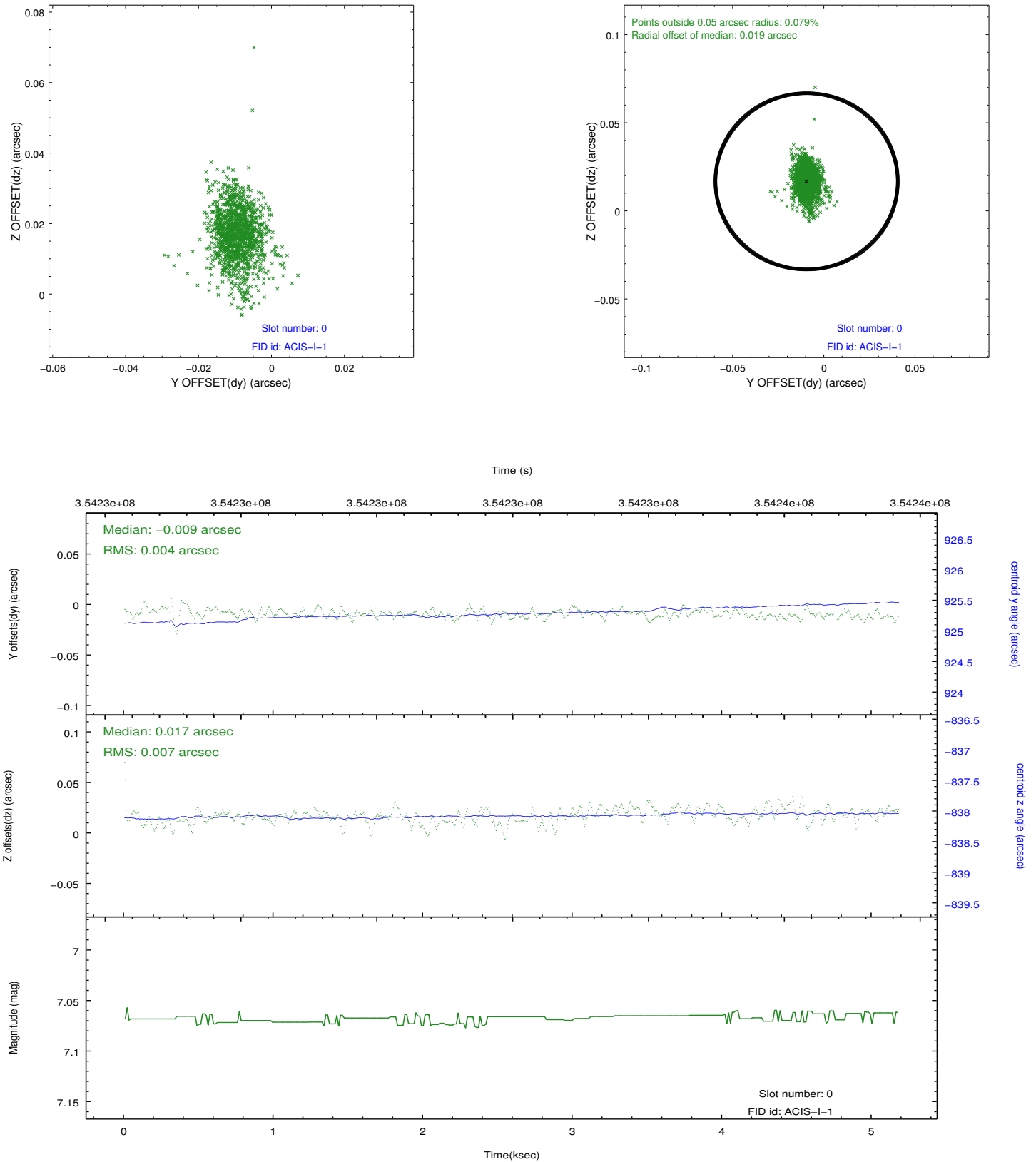


2.4.5 Slot 7

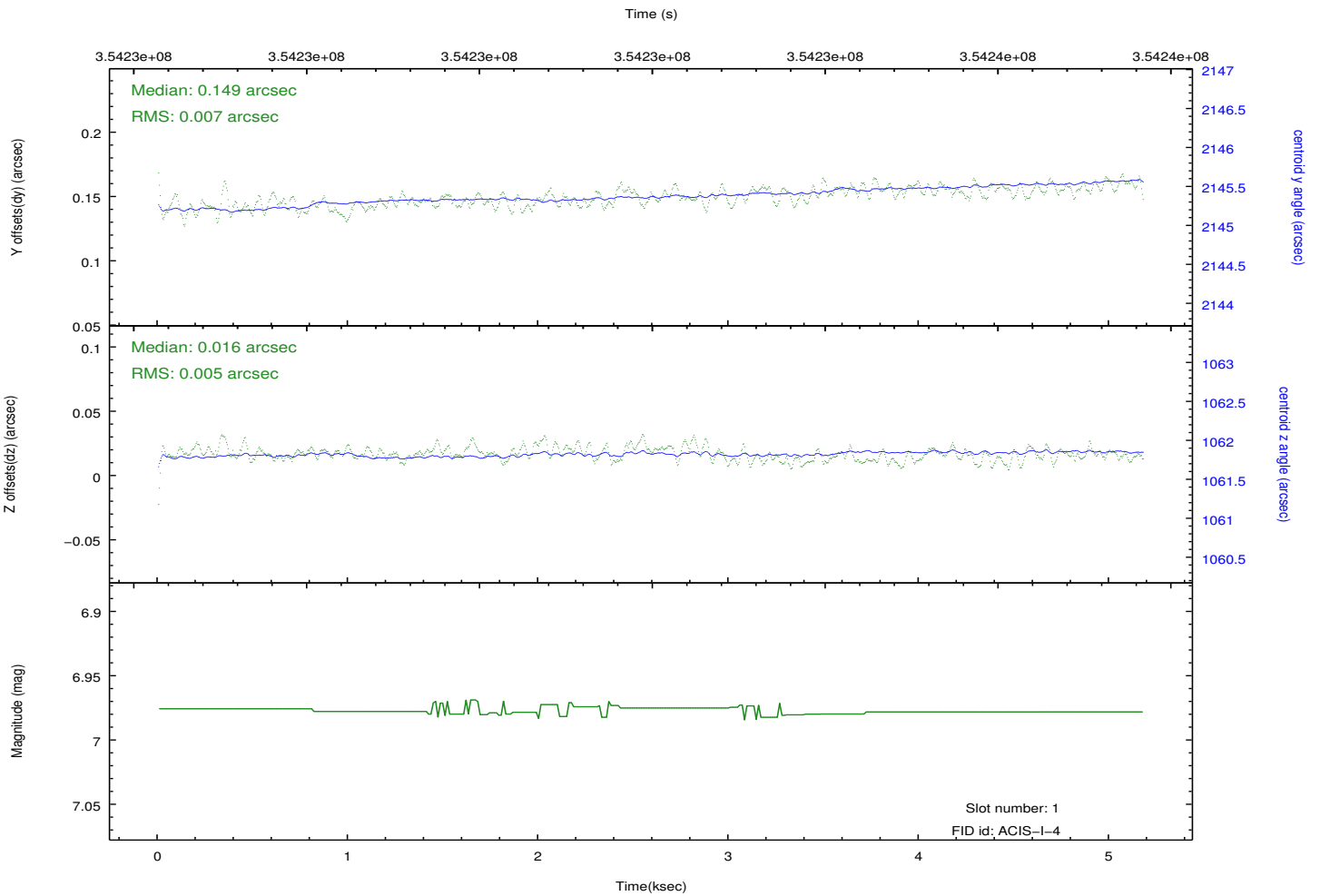
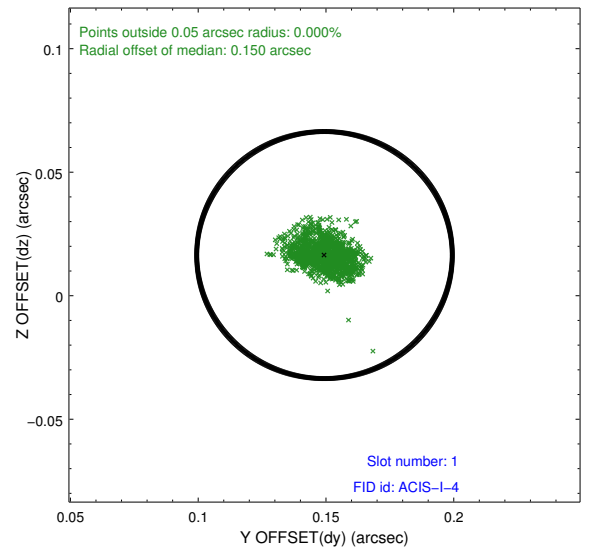
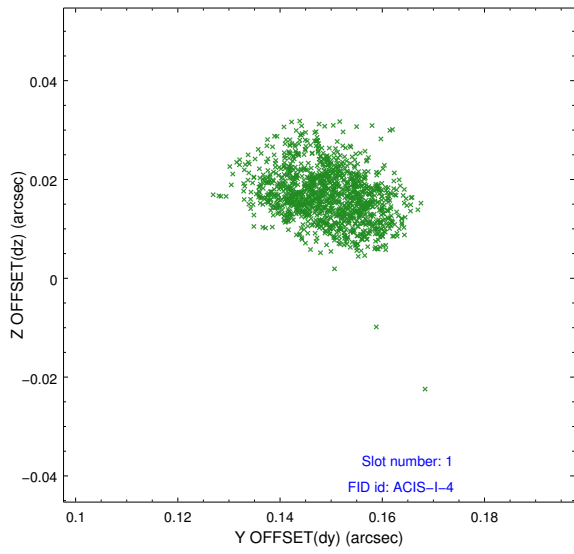


2.5 FID Slots

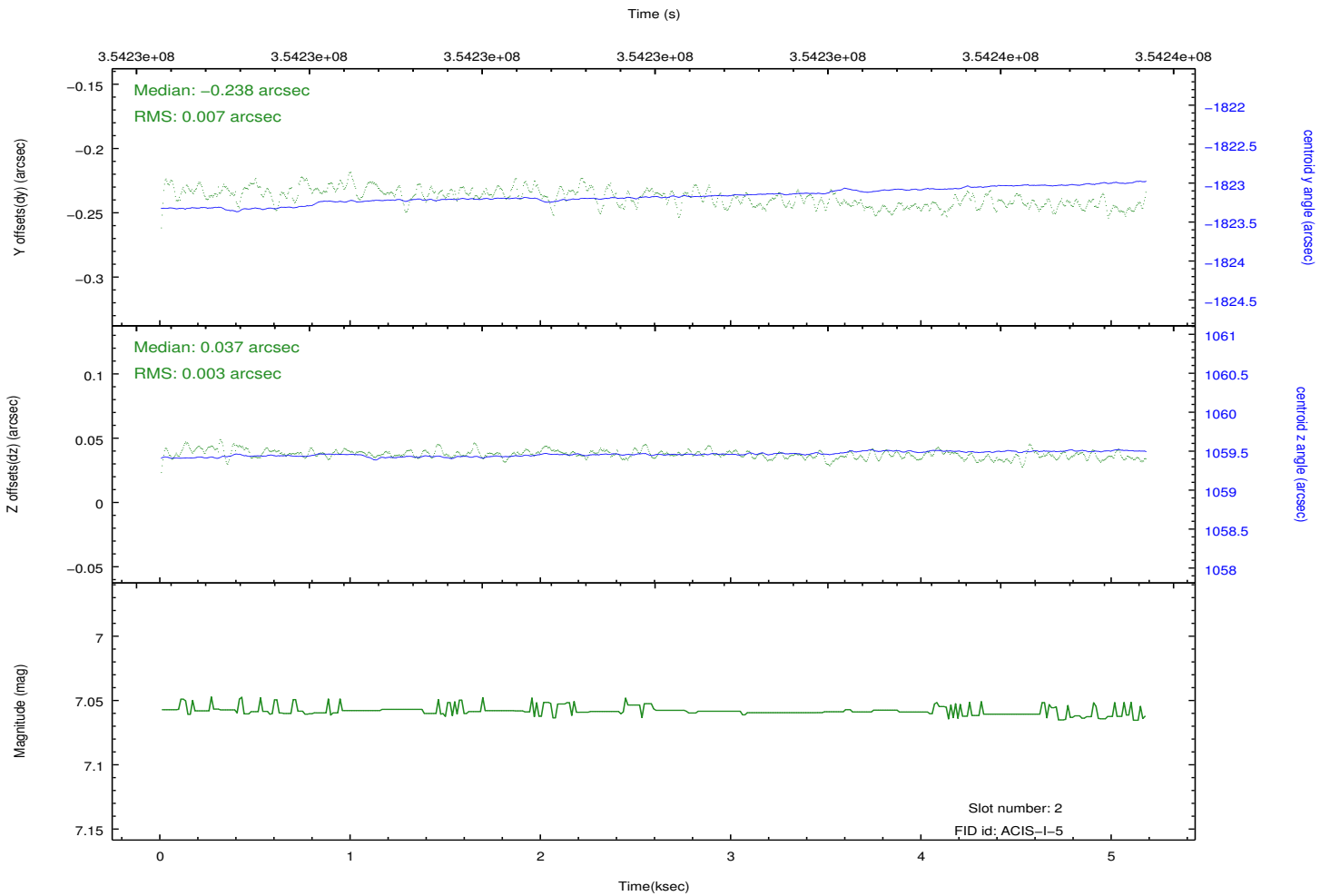
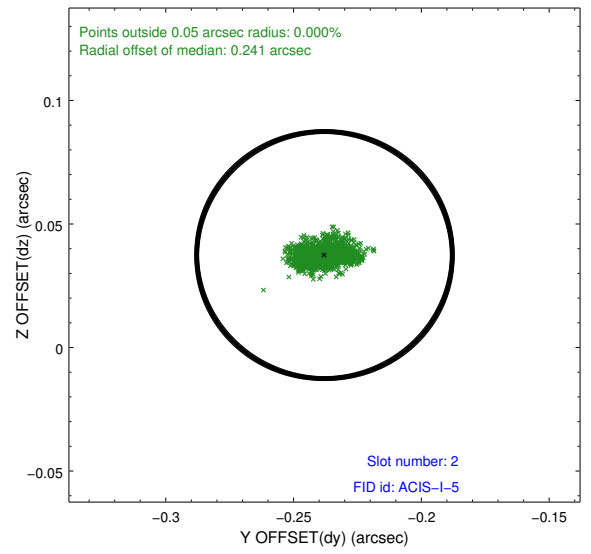
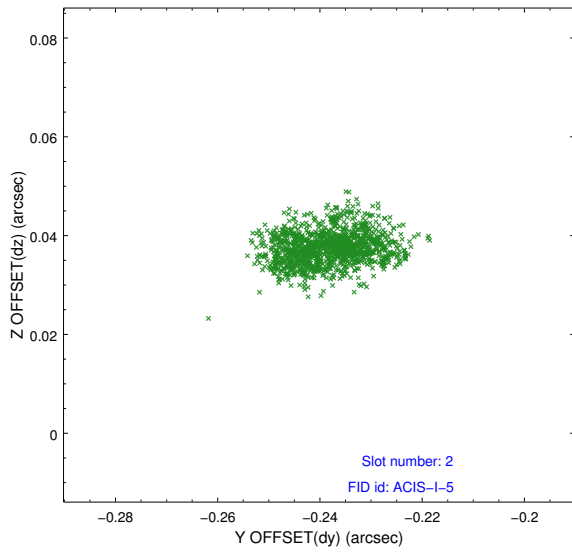
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17080003

A.2 Comments