

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13187 - L2 Version 2
Chandra X-Ray Center

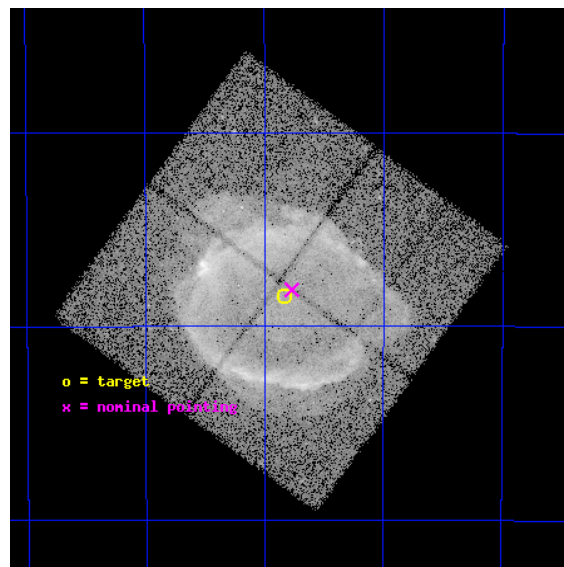
L2 Processing Date : Jul 6 2012

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1 Front

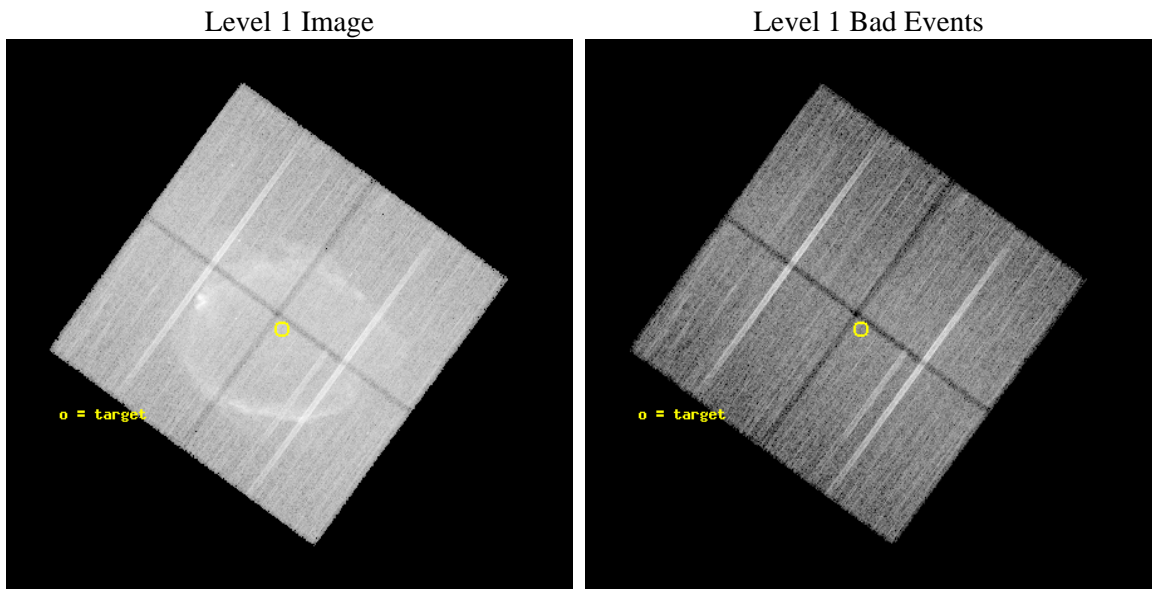
seq_num	501186	Sequence number
obs_id	13187	Observation id
title	A Detailed Study of the Type Ia Supernova Remnant G299.2-2.9	Propo
observer	DR. Sangwook Park	Principal investigator
object	G299.2-2.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.708333	Observer's specified target RA [deg]
dec_targ	-65.473611	Observer's specified target Dec [deg]
ra_nom	183.69268993434	Nominal RA [deg]
dec_nom	-65.46881580277	Nominal Dec [deg]
roll_nom	126.19445072639	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41055.109205484	Sum of GTIs [s]
livetime	40518.693979383	Livetime [s]
ontime0	41061.268035948	Sum of GTIs [s]
ontime1	41064.450036347	Sum of GTIs [s]
ontime2	41061.350086093	Sum of GTIs [s]
ontime3	41055.109205484	Sum of GTIs [s]
l2events	260913	Number of level 2 events



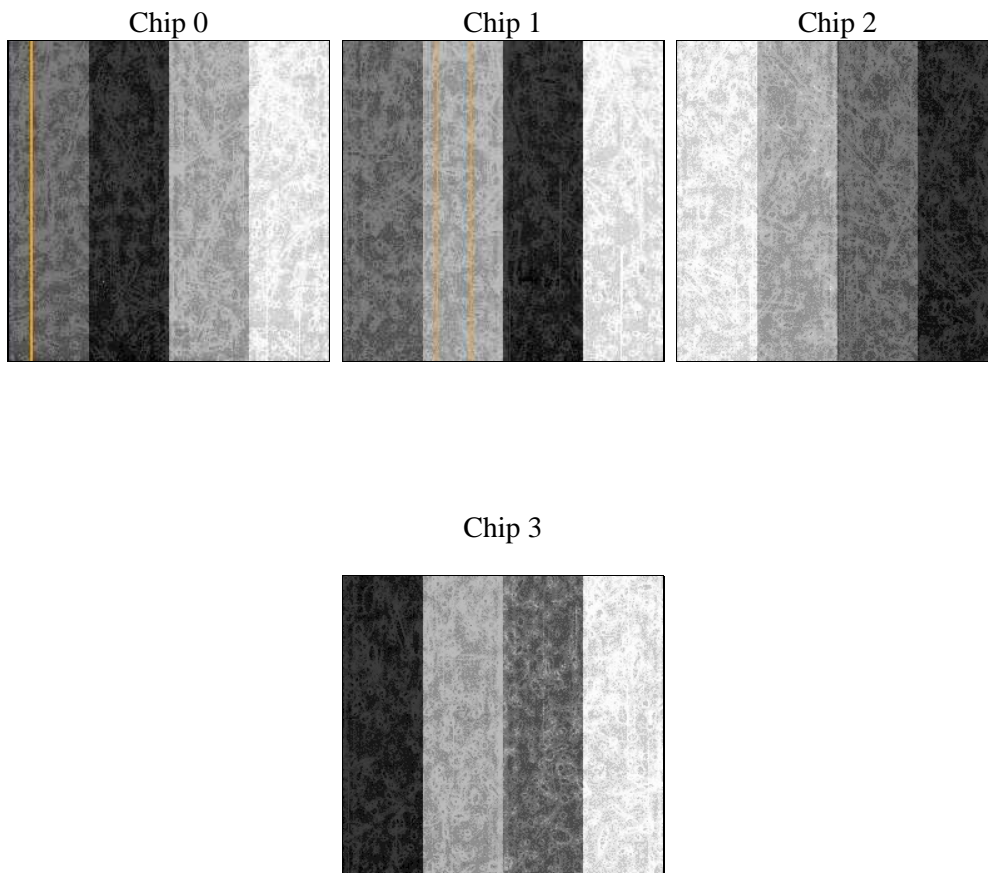
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41055.109205484	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	41061.268035948	Sum of GTIs [s]
date	2012-07-06T14:40:55	Date and time of file creation	ontime1	41064.450036347	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	41061.350086093	Sum of GTIs [s]
			ontime3	41055.109205484	Sum of GTIs [s]
			l1events	1227651	Number of level 1 events

2.1.4 Events

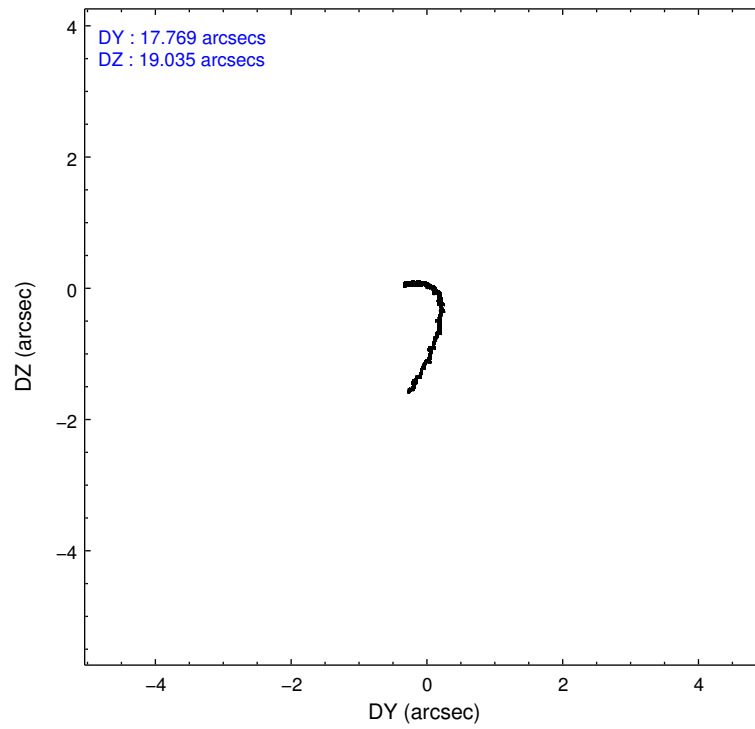
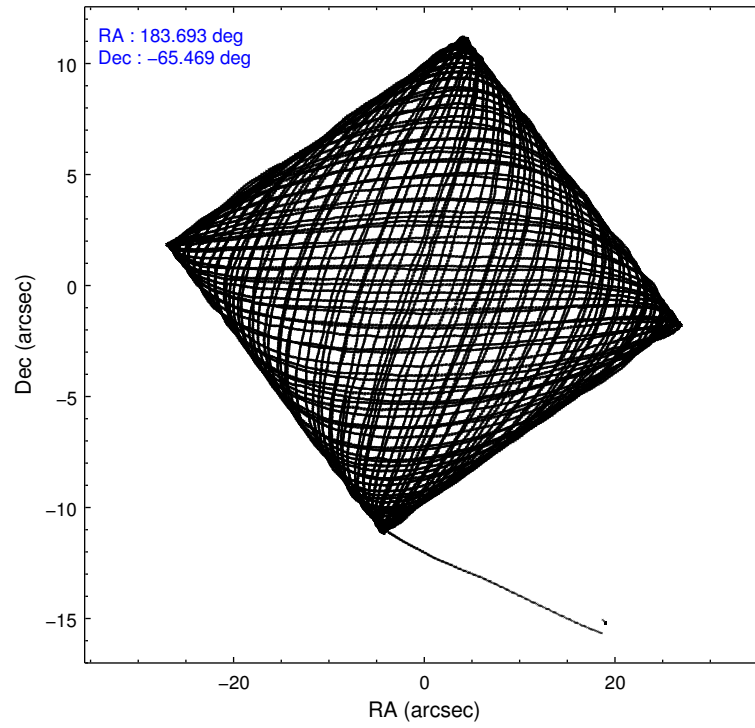
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	286758	309718	311942	319233
rejected events	219471	224085	250170	241220
rejected %	76%	72%	80%	75%

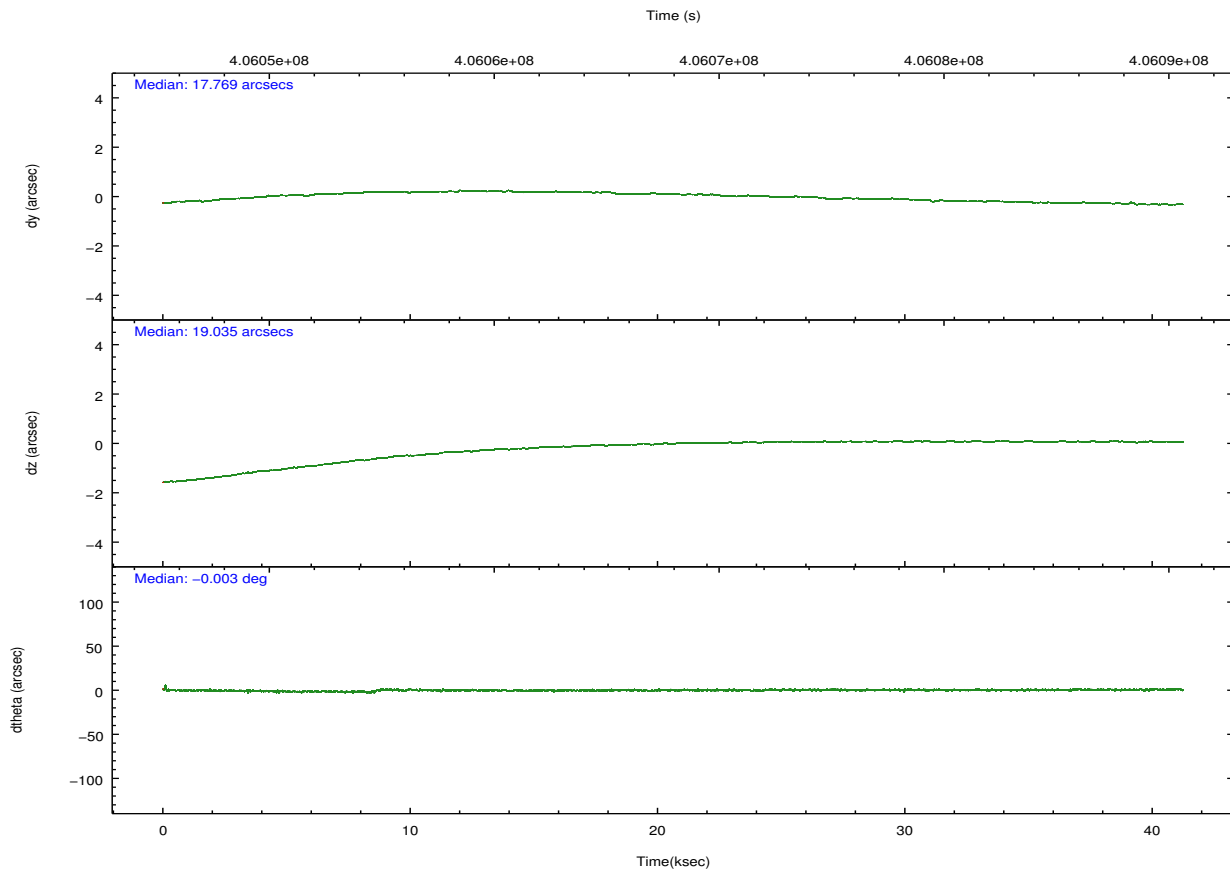
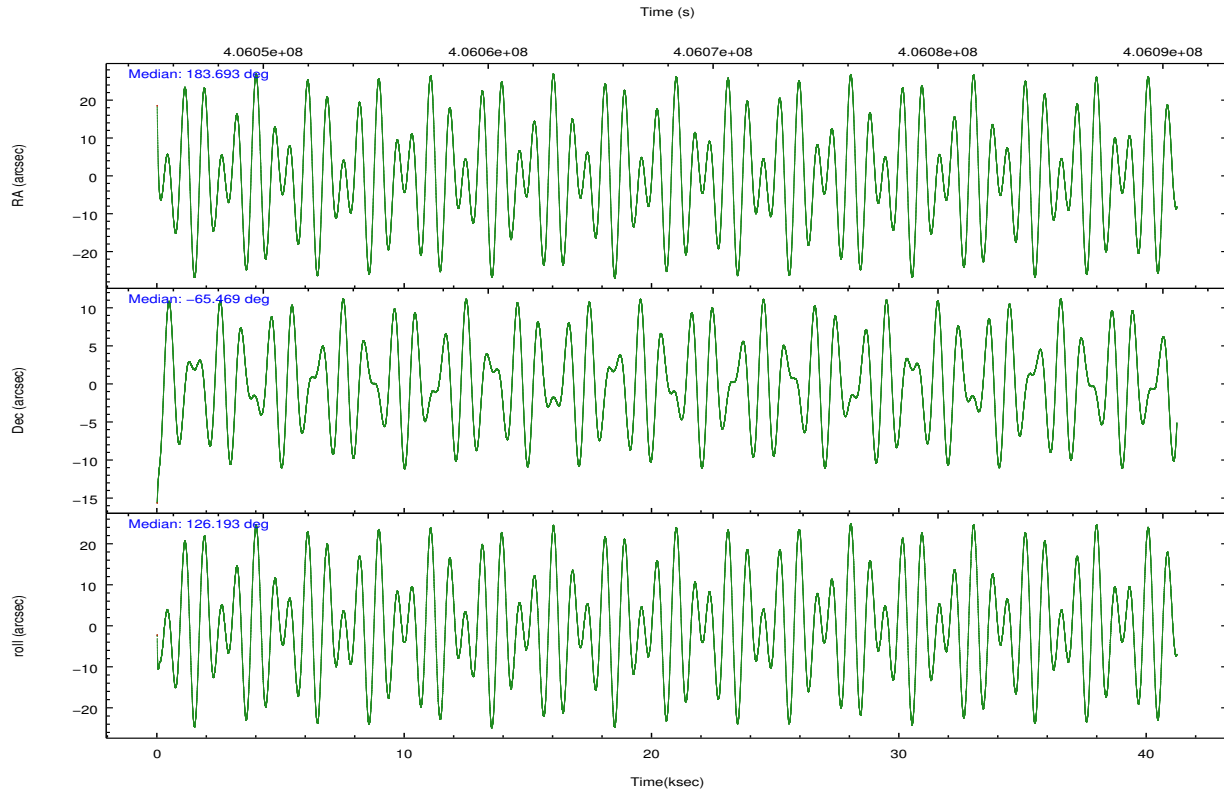
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	43861	59380	39598	54758
	15%	19%	12%	17%
grade 1 events	283	328	362	397
	0%	0%	0%	0%
grade 2 events	9990	11162	9535	9753
	3%	3%	3%	3%
grade 3 events	3911	4252	3574	3893
	1%	1%	1%	1%
grade 4 events	3708	4188	3498	3852
	1%	1%	1%	1%
grade 5 events	9638	10352	9594	11036
	3%	3%	3%	3%
grade 6 events	5823	6667	5574	5762
	2%	2%	1%	1%
grade 7 events	209544	213389	240207	229782
	73%	68%	77%	71%

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	183.753400	183.6926899343444	Subarray requested	NONE	NONE
[deg] Pointing Dec	-65.479782	-65.46881580276988	Alternating exposures requested	N	N
[deg] Pointing Roll	126.040999	126.1944507263936	[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)	406047572.184000	406046677.85697			
Observation start date	2010-11-13T14:58:26	2010-11-13T14:44:37			
[s] Observation end time (MET)	406088572.184000	406089980.5217			
Observation end date	2010-11-14T02:21:46	2010-11-14T02:46:20			
Read mode	TIMED	TIMED			

2.3 Aspect



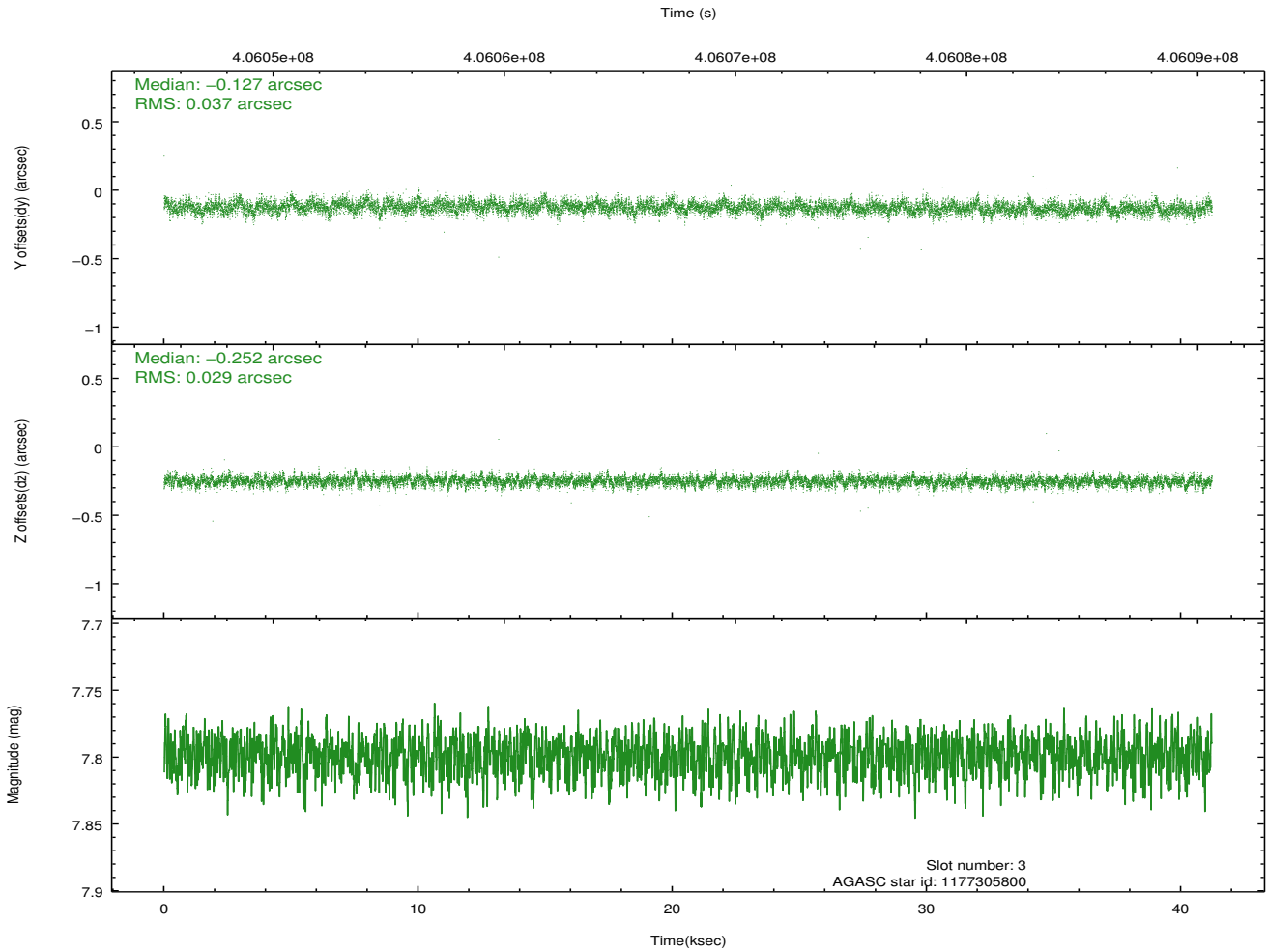
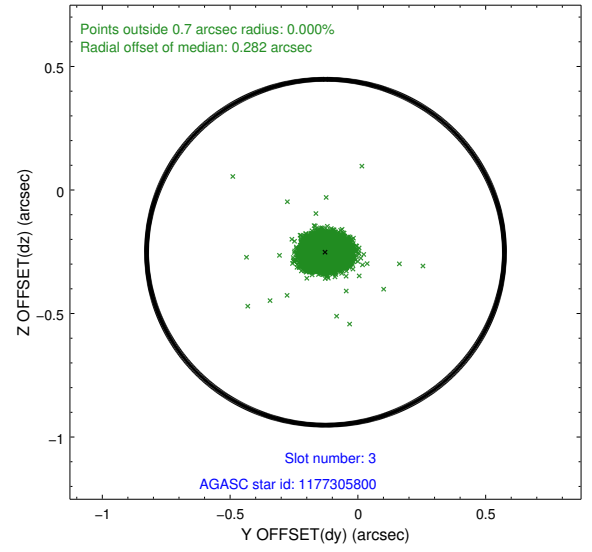
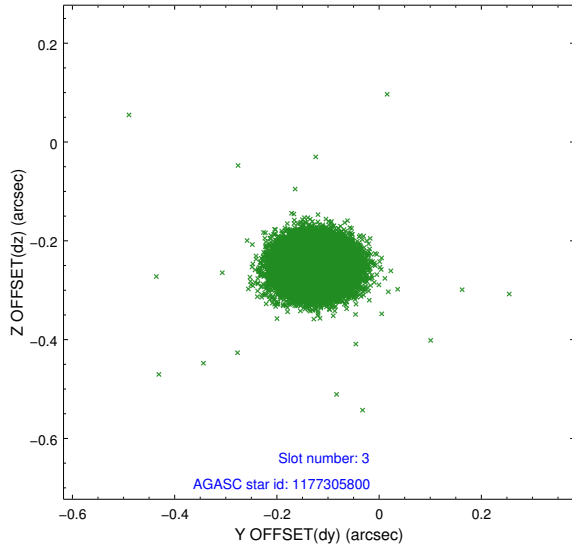


Slot Statistics

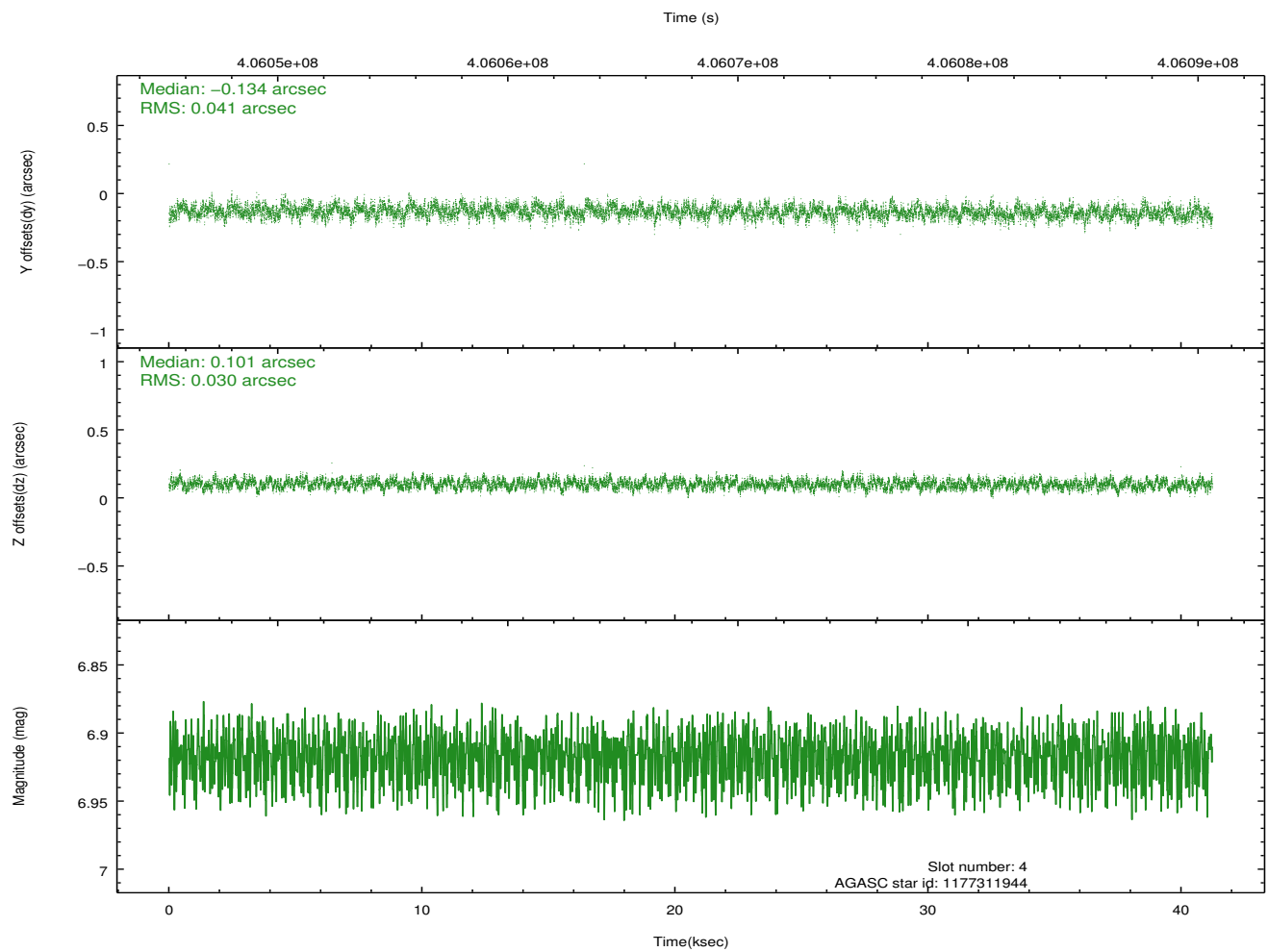
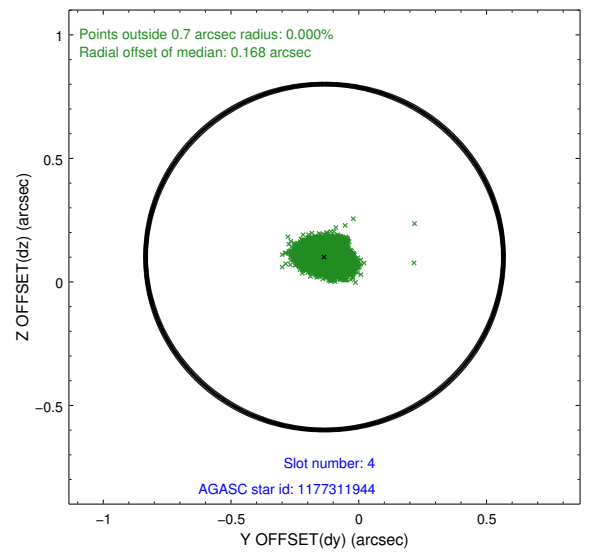
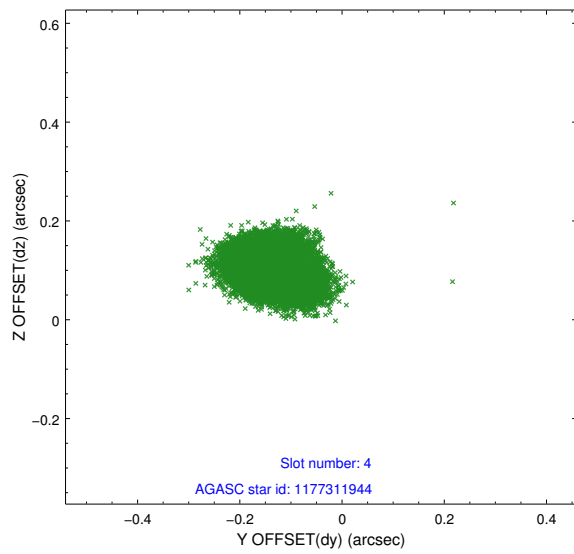
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	10057	-0.036	0.020	0.015	0.083	0.000000	0.000000	921.61	-842.44
1	FID	ACIS-I-4	6.93	10055	0.189	0.027	0.015	0.059	0.000000	0.000000	2141.85	1057.41
2	FID	ACIS-I-5	6.97	10057	-0.252	0.024	0.018	0.027	0.000000	0.000000	-1826.62	1055.19
3	GUIDE	1177305800	7.80	20103	-0.127	-0.252	0.050	0.081	182.814616	-65.027625	2147.40	202.17
4	GUIDE	1177311944	6.92	20107	-0.134	0.101	0.053	0.089	182.934554	-64.948787	2273.50	-110.12
5	GUIDE	1177433968	8.14	20108	0.116	0.028	0.060	0.098	185.582517	-65.608358	-2005.28	-1902.91
6	GUIDE	1177434688	8.72	20103	0.150	0.087	0.083	0.133	185.679282	-65.435625	-1602.13	-2397.75
7	GUIDE	1177944384	6.71	20112	-0.013	0.029	0.061	0.115	185.117599	-65.842660	-2255.84	-843.21

2.4 Star Slots

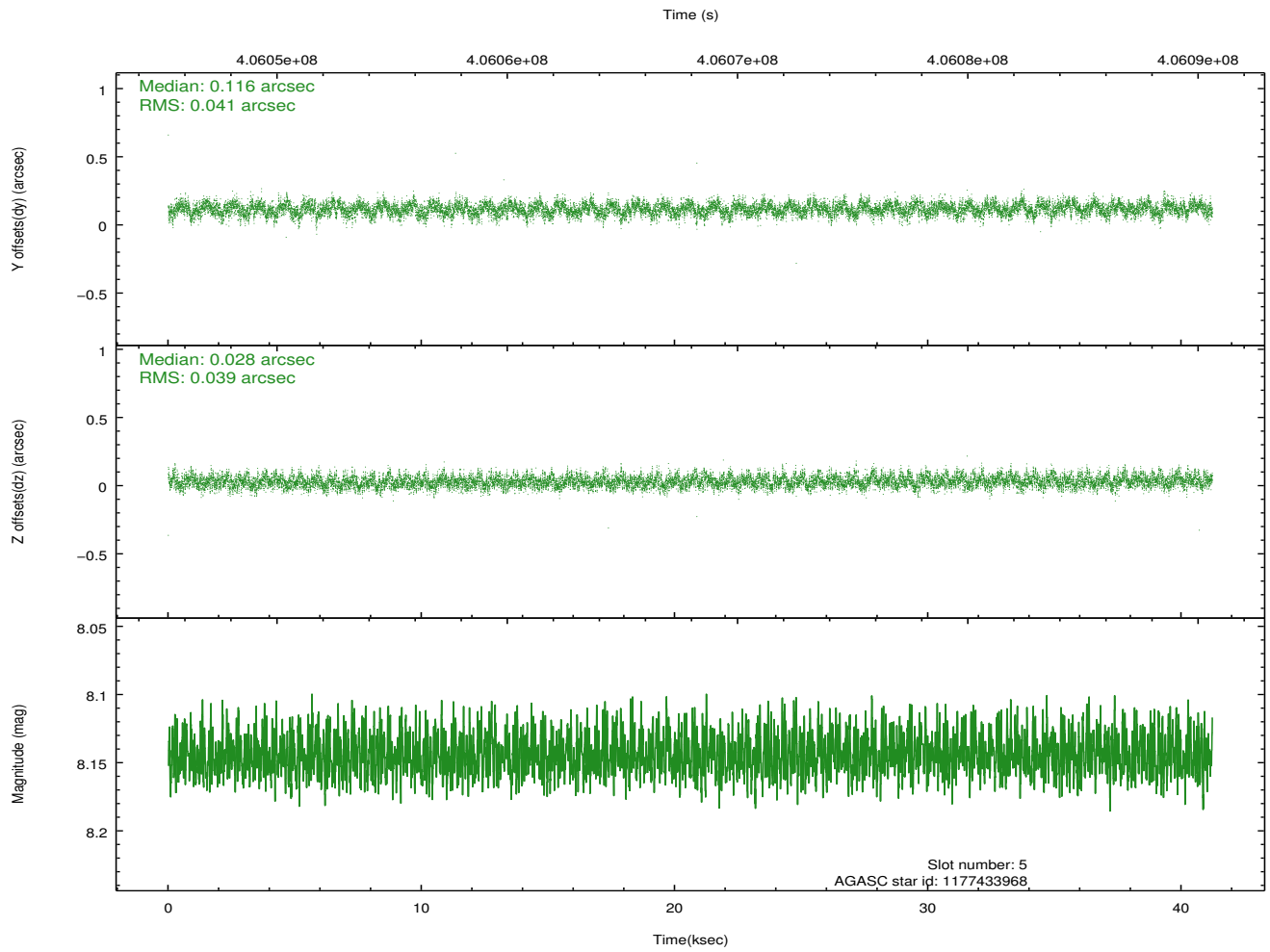
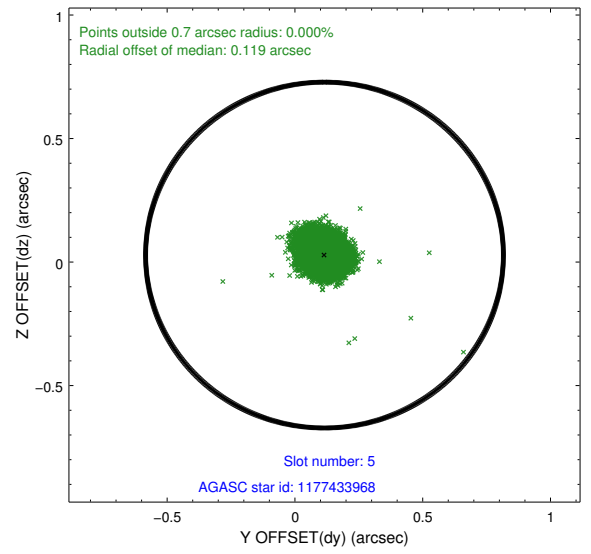
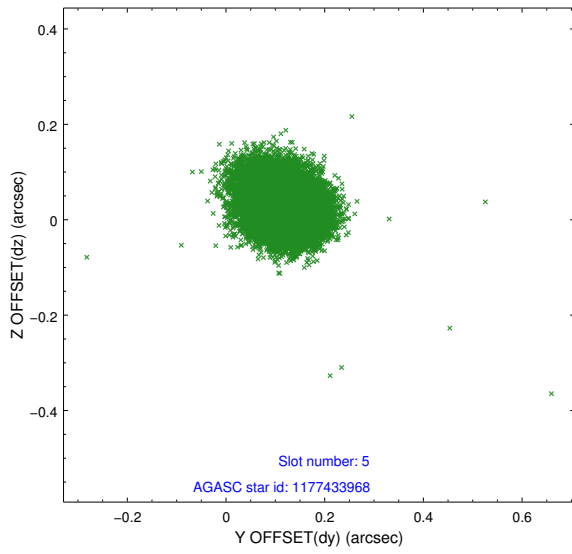
2.4.1 Slot 3



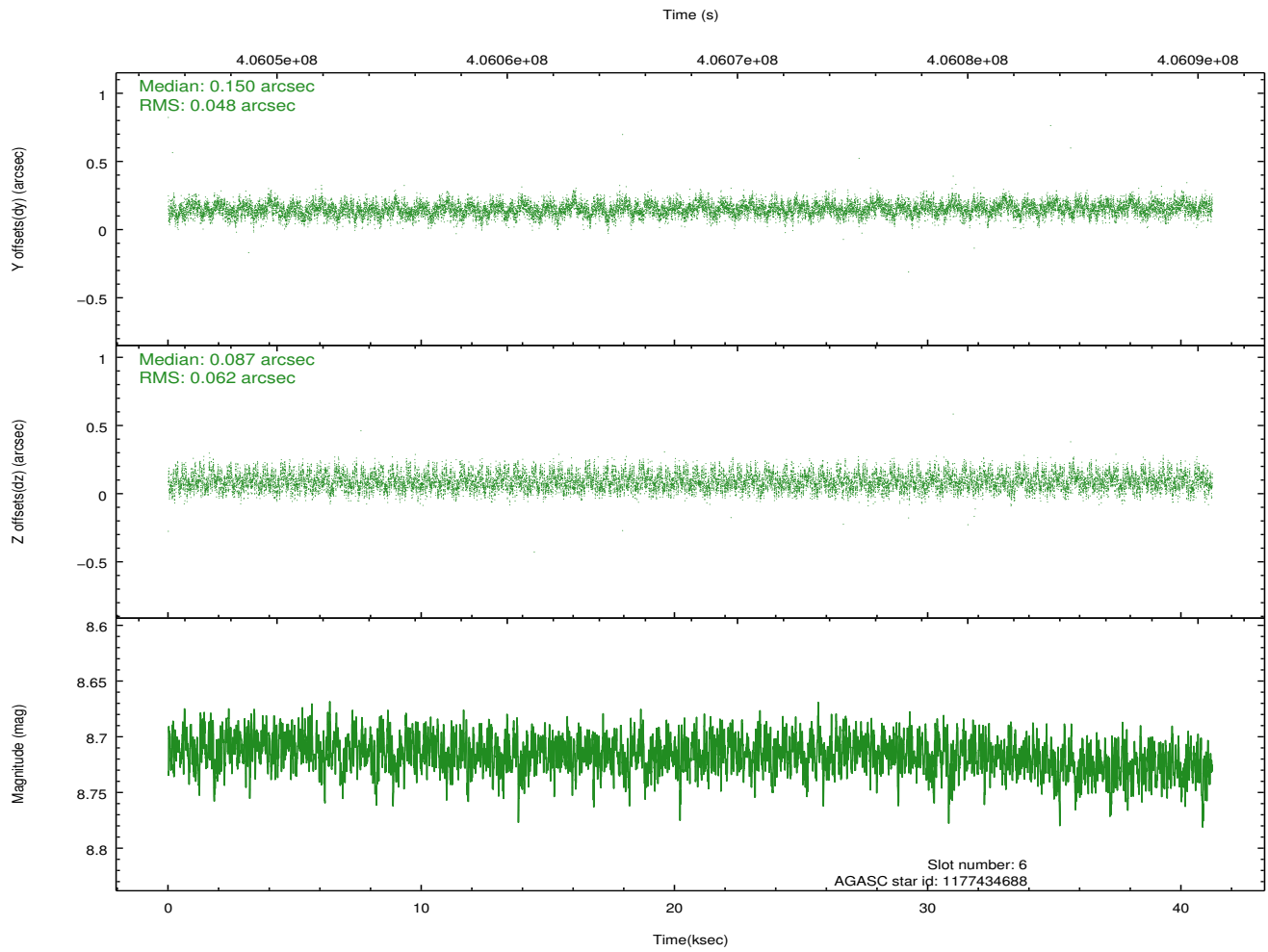
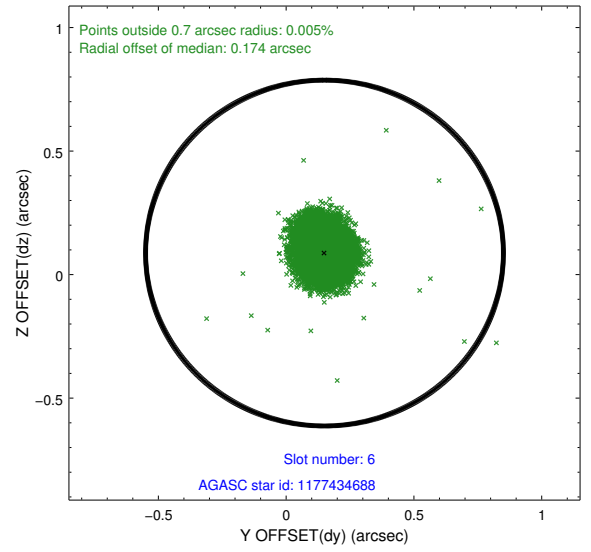
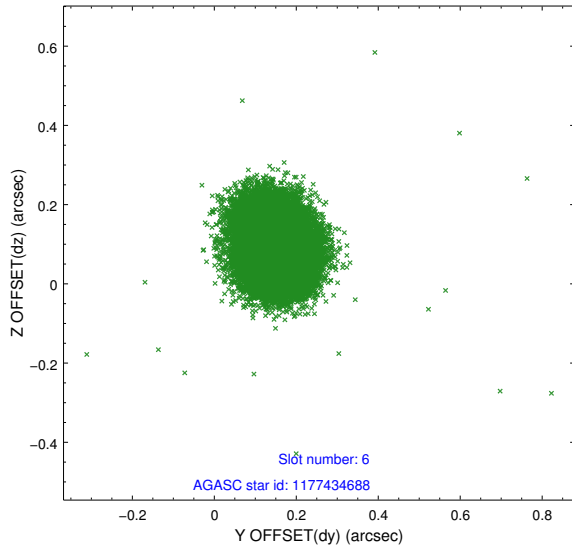
2.4.2 Slot 4



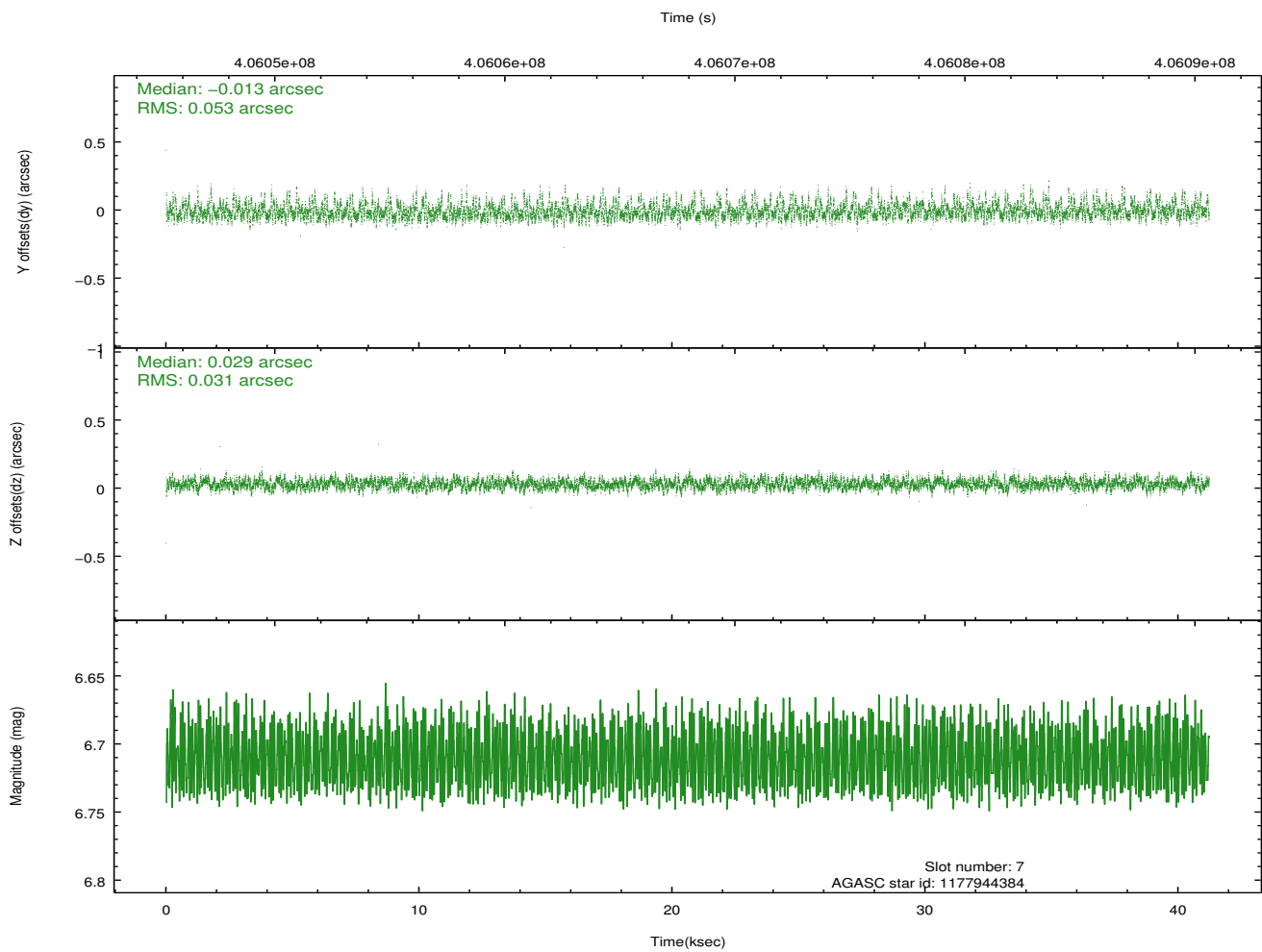
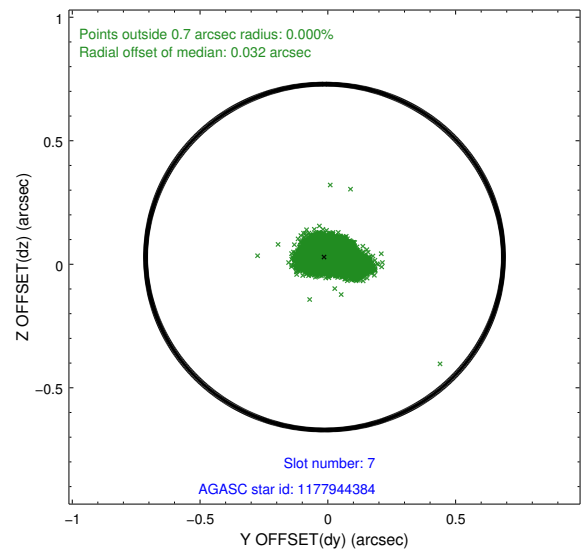
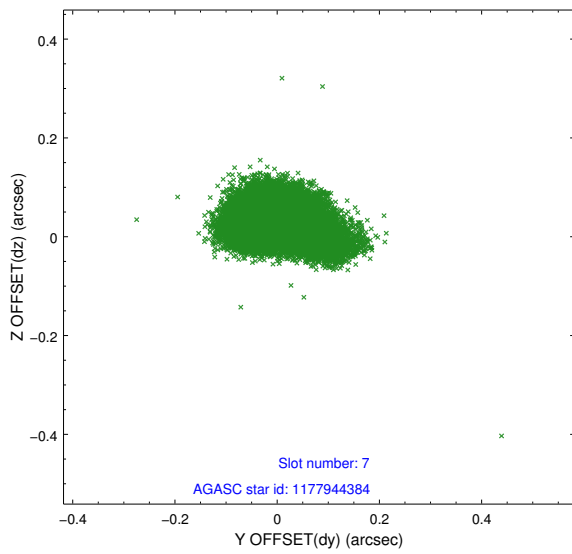
2.4.3 Slot 5



2.4.4 Slot 6

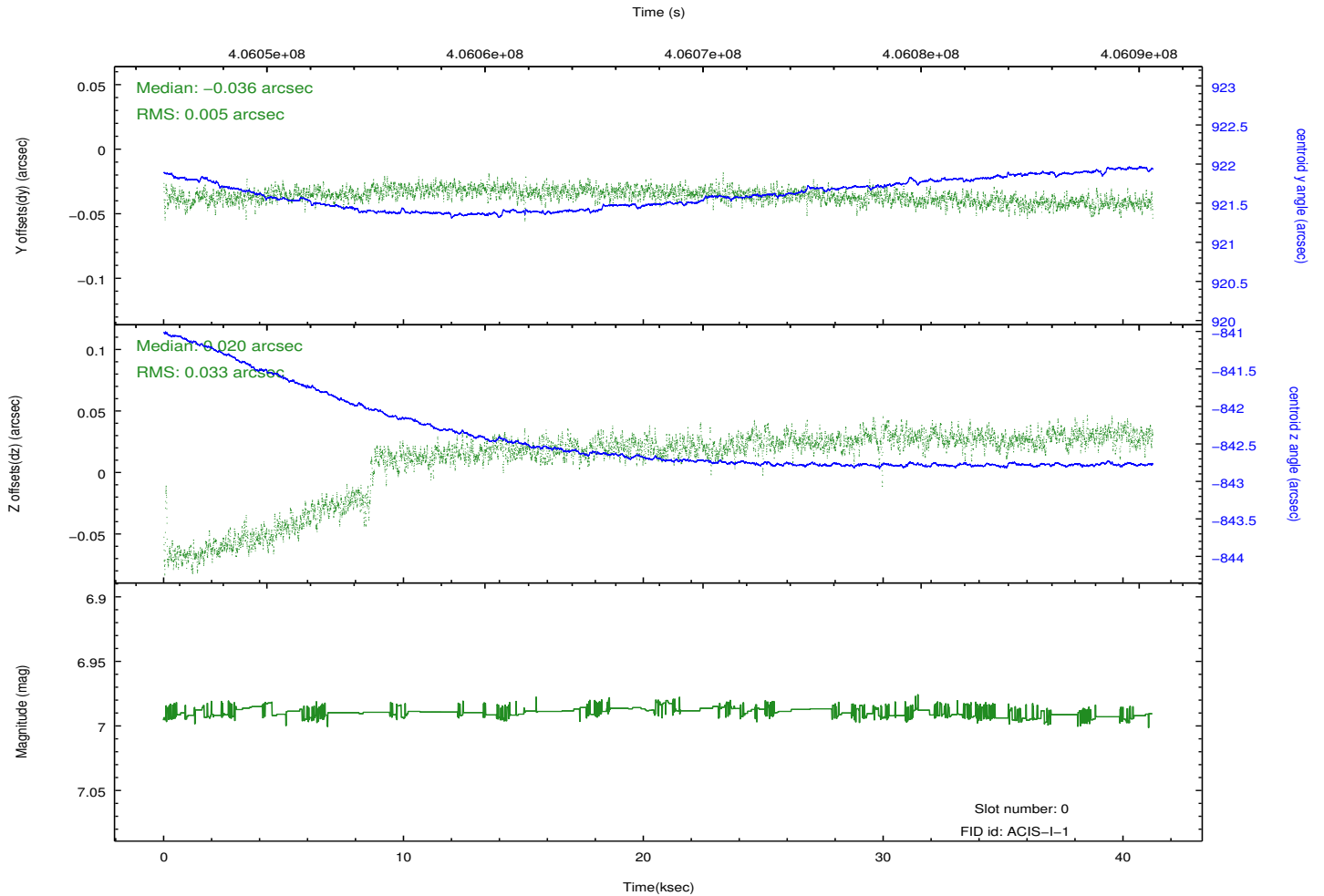
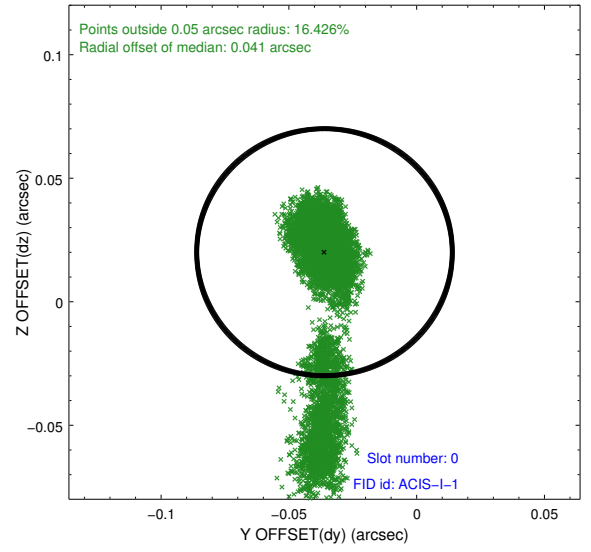
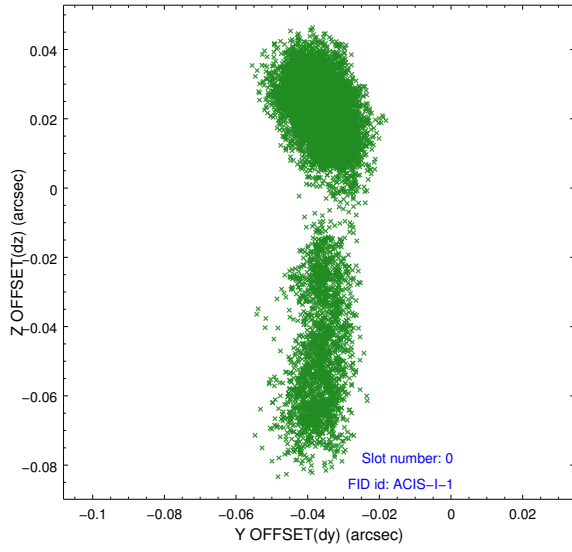


2.4.5 Slot 7

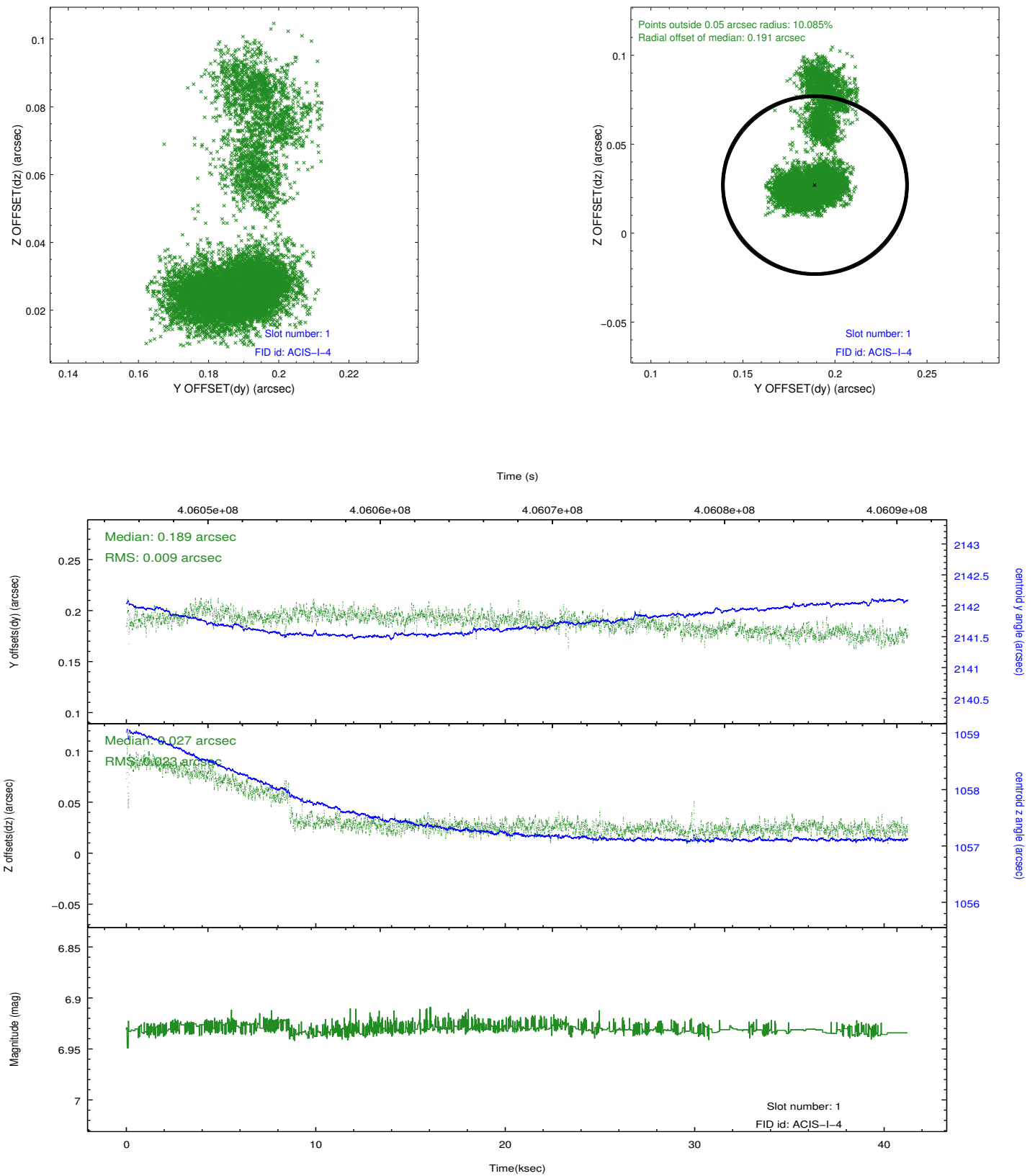


2.5 FID Slots

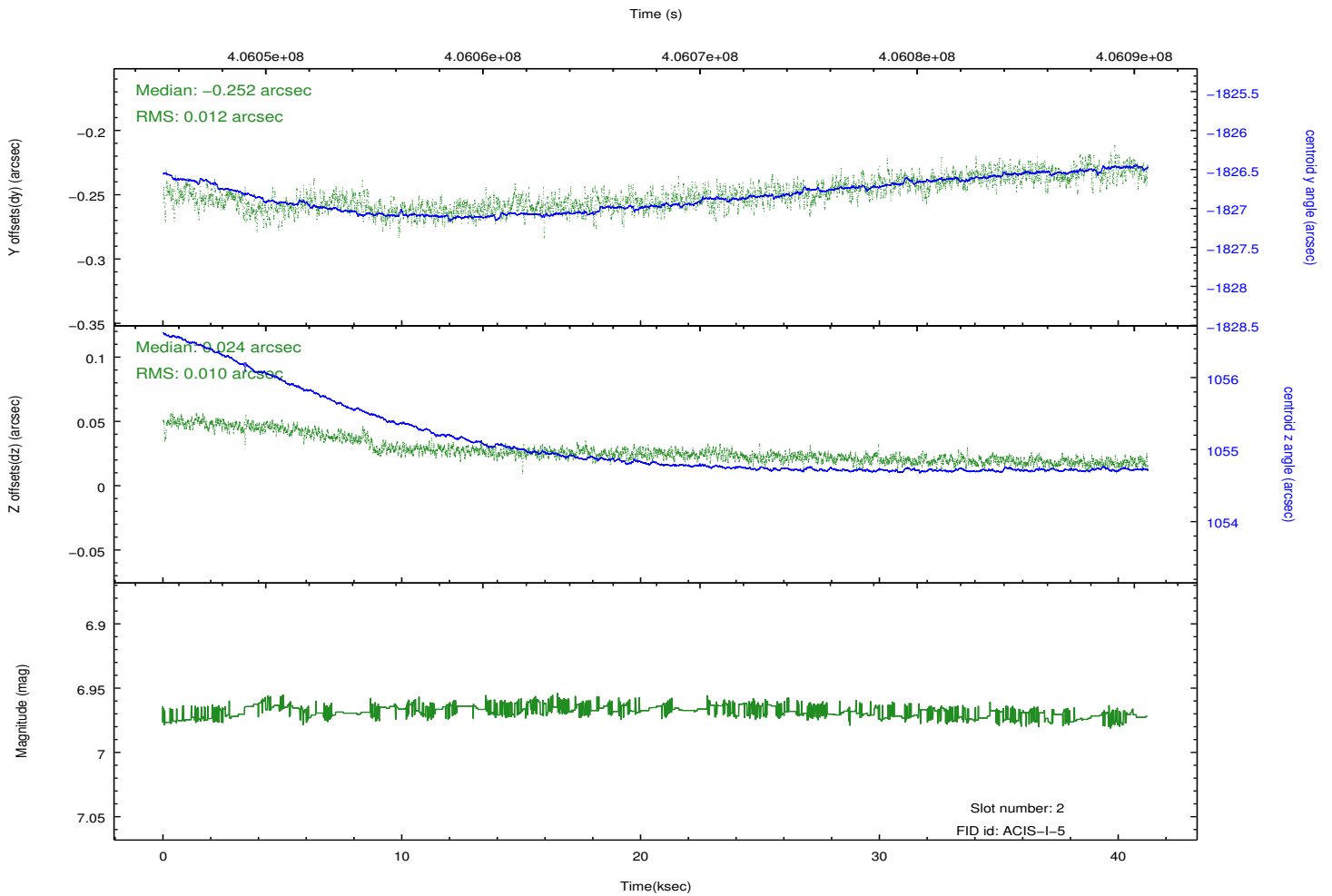
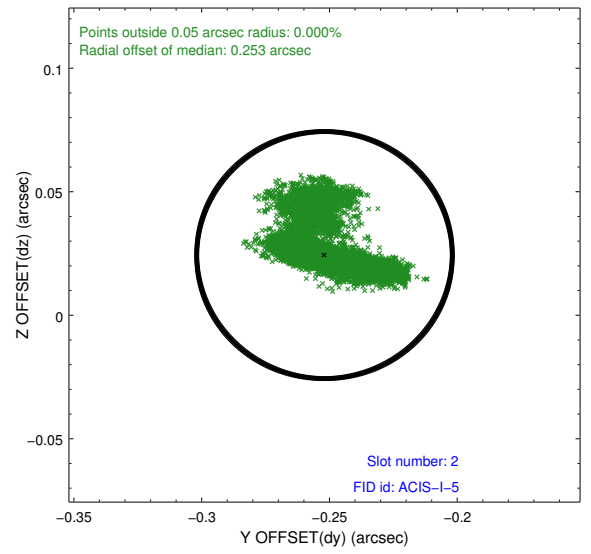
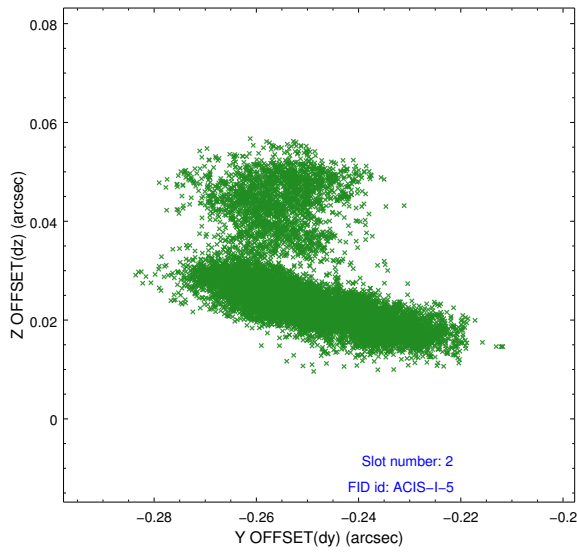
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.055109211683

A.2 Comments