

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3282 - L2 Version 3
Chandra X-Ray Center

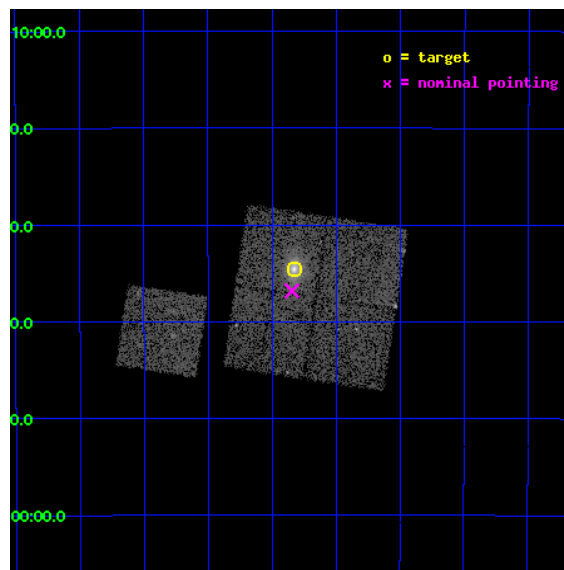
L2 Processing Date : Oct 16 2012

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1 Front

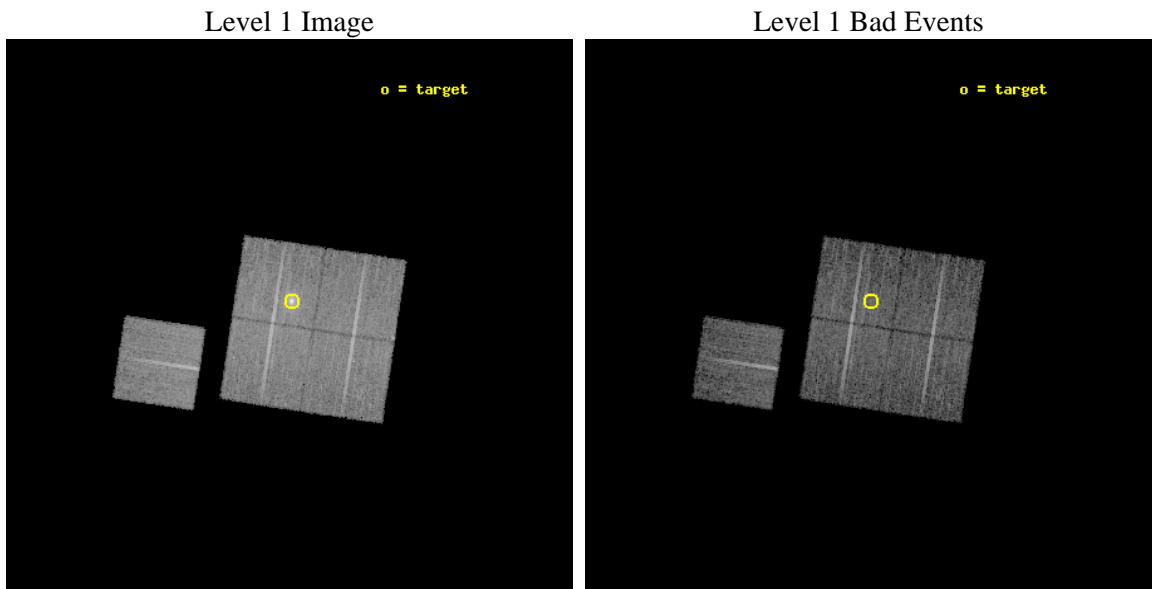
seq_num	800282	Sequence number
obs_id	3282	Observation id
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT Z>0.3	Proposal title
observer	Dr. Harald Ebeling	Principal investigator
object	MACSJ1931.8-2634	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	292.957083	Observer's specified target RA [deg]
dec_targ	-26.576111	Observer's specified target Dec [deg]
ra_nom	292.96125779375	Nominal RA [deg]
dec_nom	-26.613624090666	Nominal Dec [deg]
roll_nom	278.62669888779	Nominal Roll [deg]
revision	3	Processing version of data
ontime	13772.273985952	Sum of GTIs [s]
livetime	13592.329087325	Livetime [s]
ontime0	13772.150865942	Sum of GTIs [s]
ontime1	13772.191925853	Sum of GTIs [s]
ontime2	13772.232945949	Sum of GTIs [s]
ontime3	13772.273985952	Sum of GTIs [s]
ontime6	13765.827925384	Sum of GTIs [s]
l2events	42981	Number of level 2 events



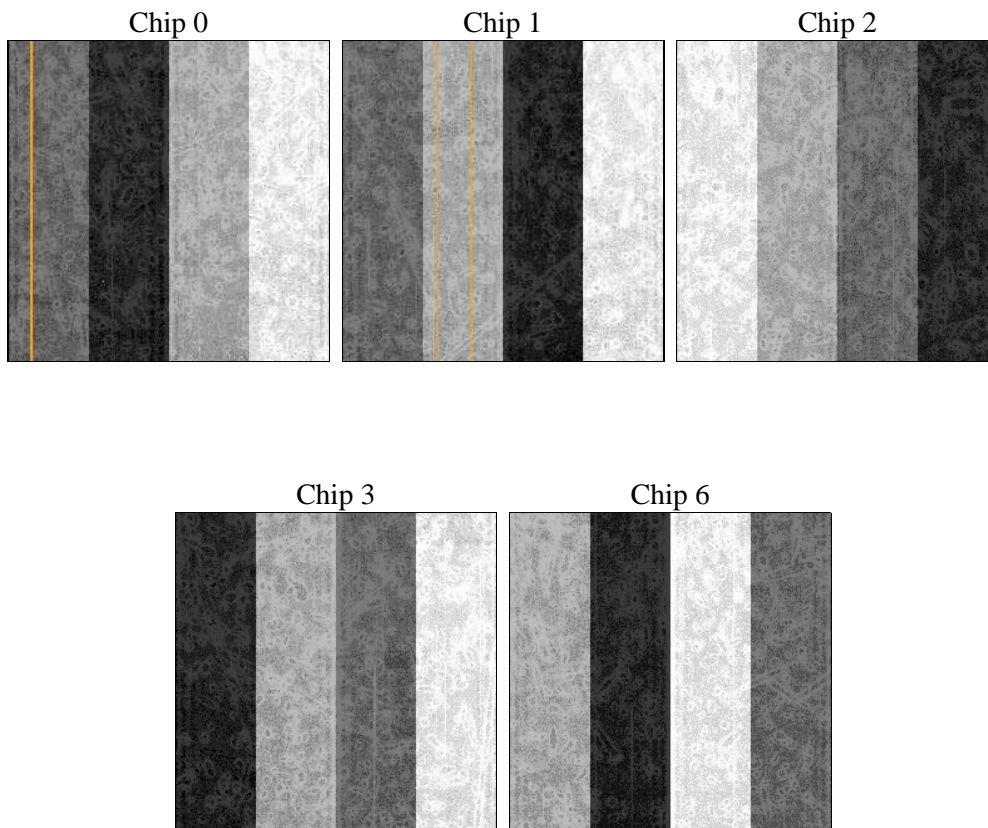
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	13772.273985952	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	13772.150865942	Sum of GTIs [s]
date	2012-10-16T23:42:20	Date and time of file creation	ontime1	13772.191925853	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	13772.232945949	Sum of GTIs [s]
			ontime3	13772.273985952	Sum of GTIs [s]
			ontime6	13765.827925384	Sum of GTIs [s]
			l1events	362094	Number of level 1 events

2.1.4 Events

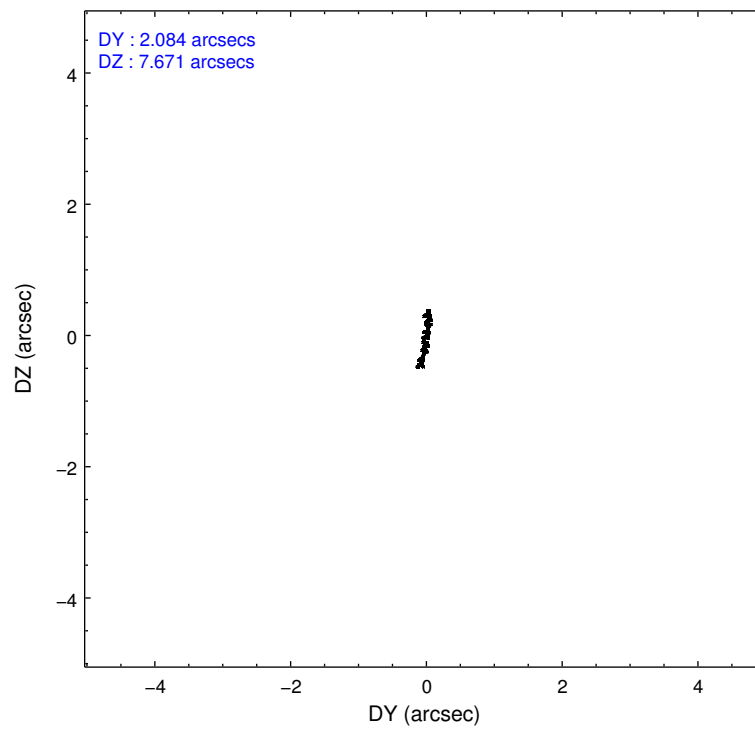
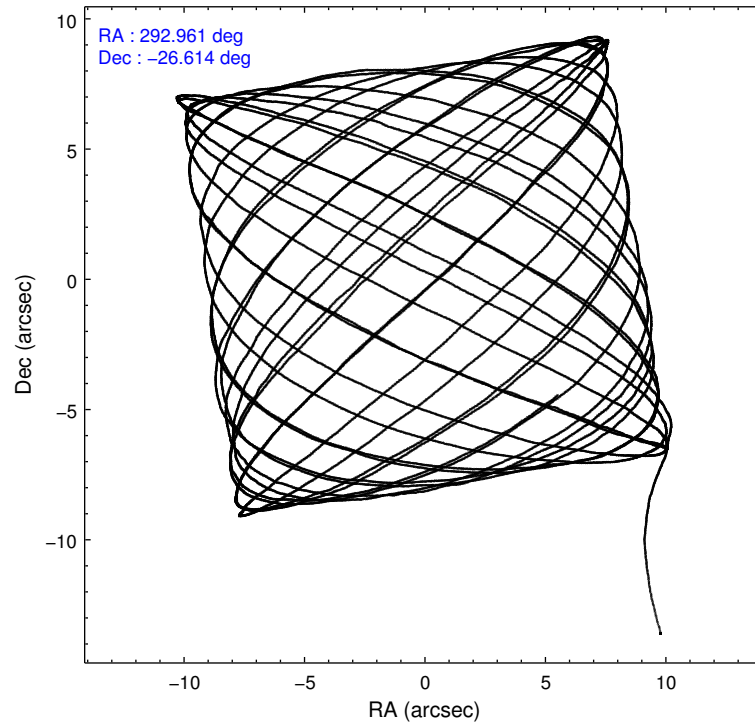
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	67001	66610	73515	82140	72828
rejected events	59598	57910	65599	64729	64827
rejected %	88%	86%	89%	78%	89%

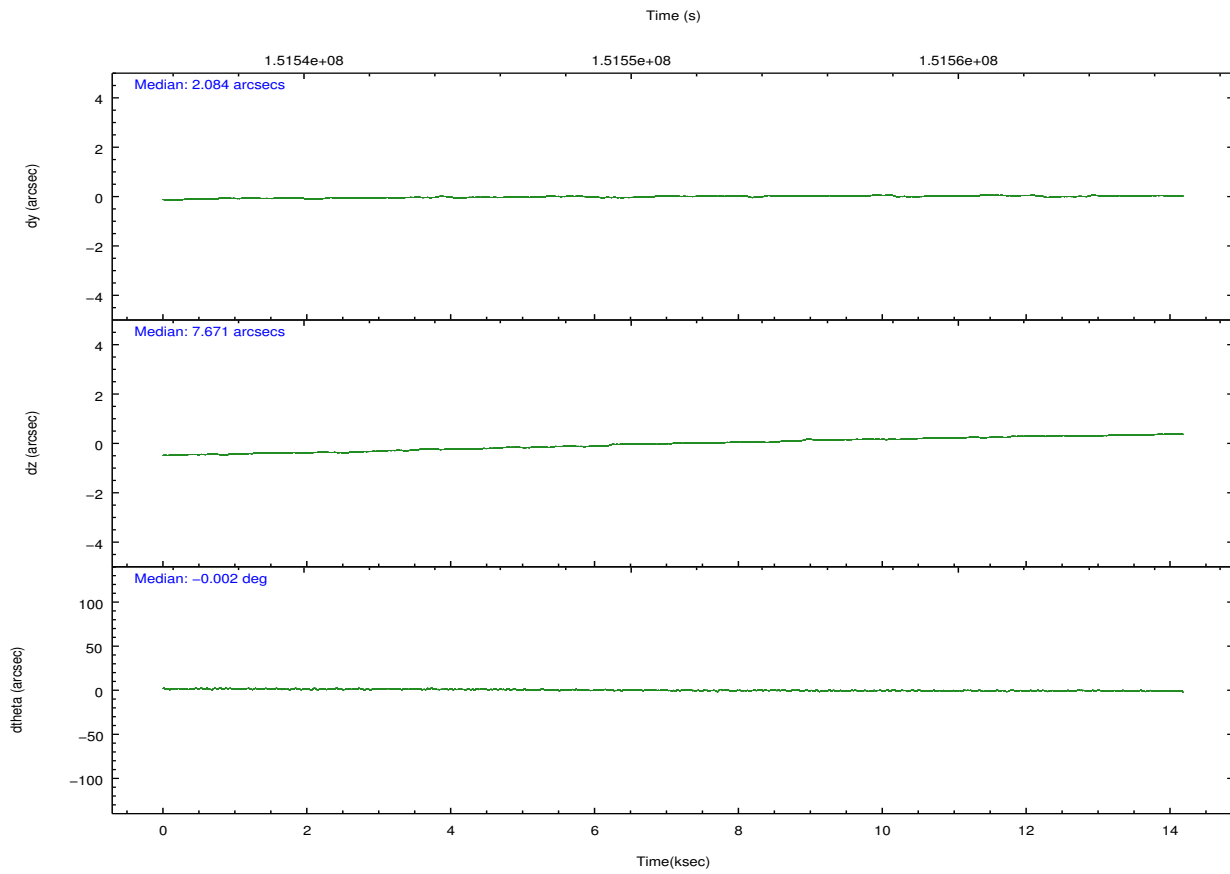
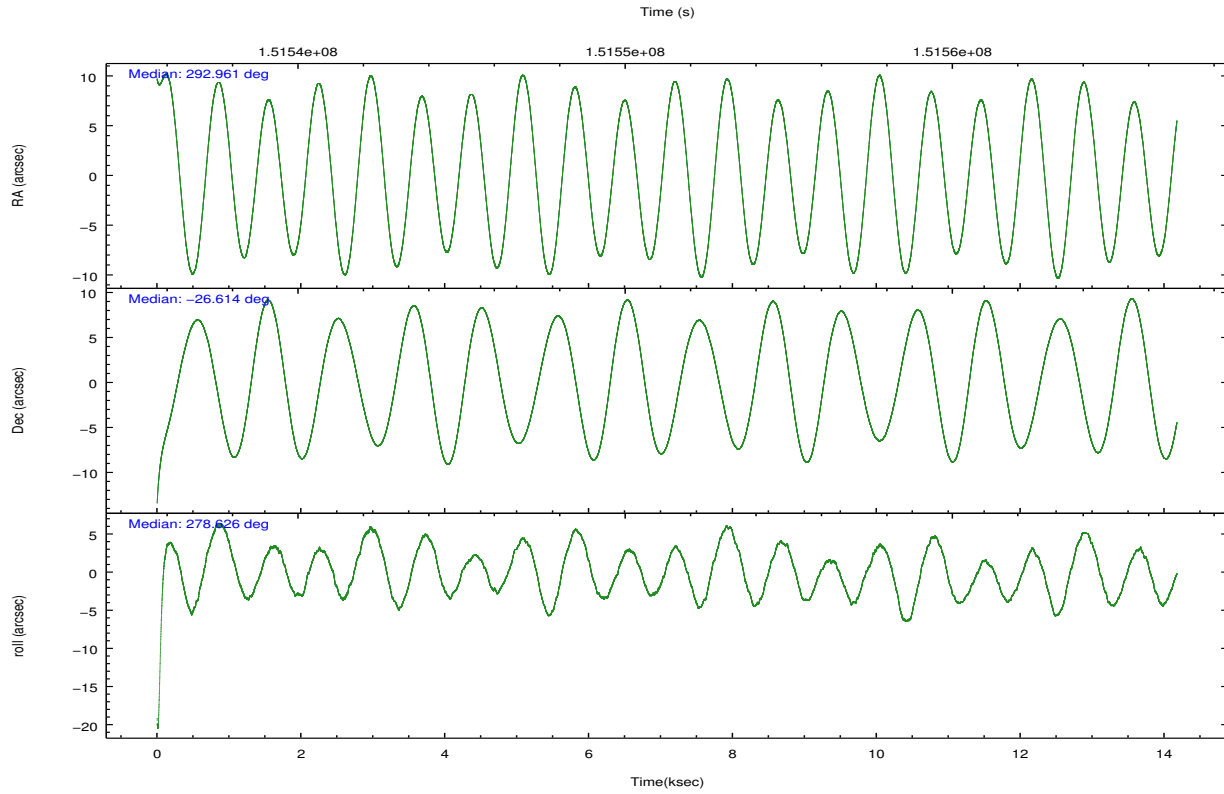
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2978	3696	3390	11382	3249
	4%	5%	4%	13%	4%
grade 1 events	28	28	52	85	33
	0%	0%	0%	0%	0%
grade 2 events	1615	1654	1713	2359	1523
	2%	2%	2%	2%	2%
grade 3 events	782	857	752	1078	845
	1%	1%	1%	1%	1%
grade 4 events	776	898	821	1138	831
	1%	1%	1%	1%	1%
grade 5 events	2359	2490	2305	2639	2713
	3%	3%	3%	3%	3%
grade 6 events	1254	1598	1242	1458	1554
	1%	2%	1%	1%	2%
grade 7 events	57209	55389	63240	62001	62080
	85%	83%	86%	75%	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	292.942035	292.9612577937531	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.592251	-26.61362409066582	Alternating exposures requested	N	N
[deg] Pointing Roll	278.409426	278.6266988877927	[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	-227.742463	-227.734108438797			
[mm] SIM translation stage offset	-5.85	-5.858344564132665			
[s] Observation start time (MET)	151543735.184000	151542413.333			
Observation start date	2002-10-20T23:27:51	2002-10-20T23:06:53			
[s] Observation end time (MET)	151557735.184000	151558148.10866			
Observation end date	2002-10-21T03:21:11	2002-10-21T03:29:08			
Read mode	TIMED	TIMED			

2.3 Aspect



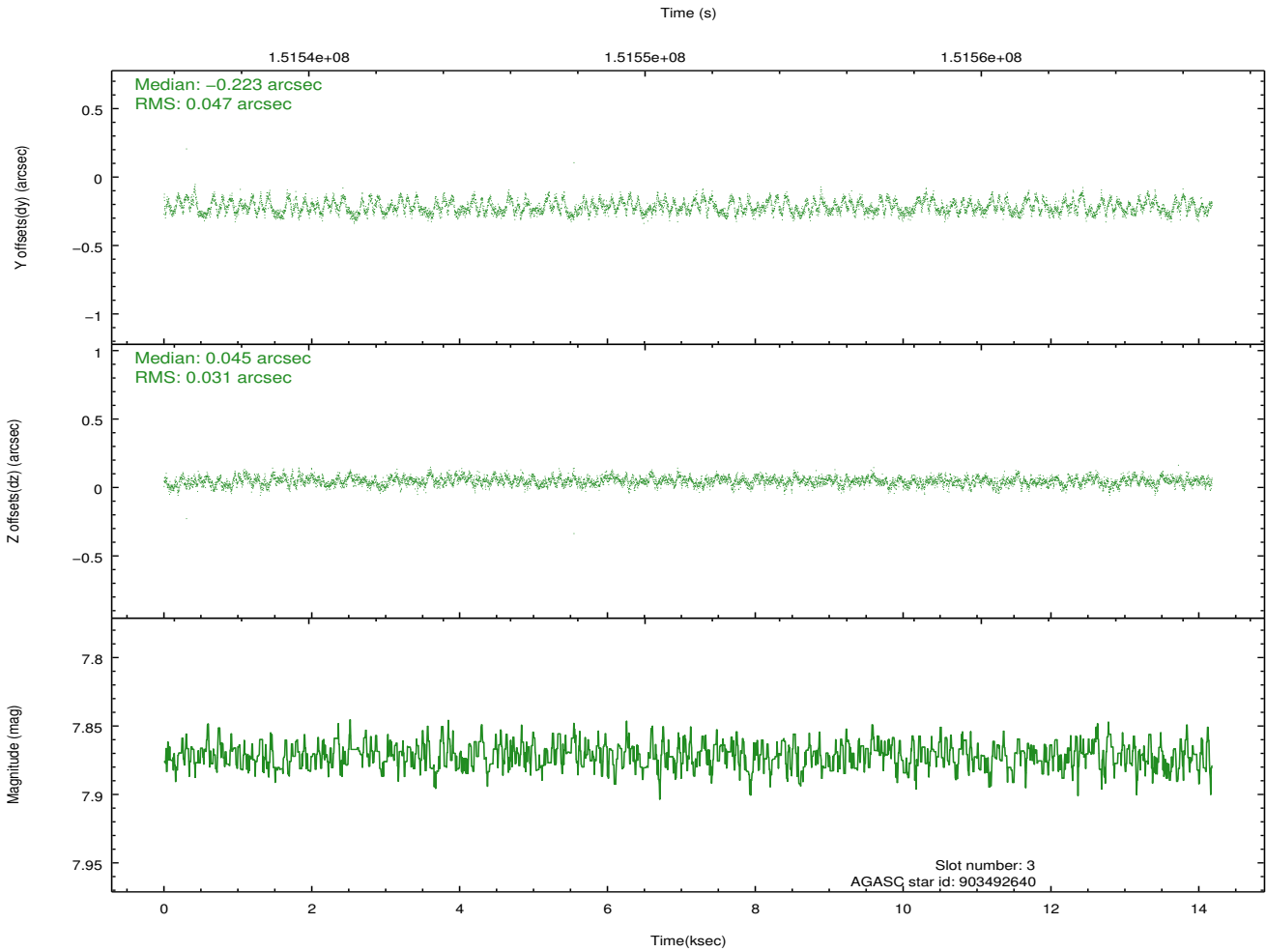
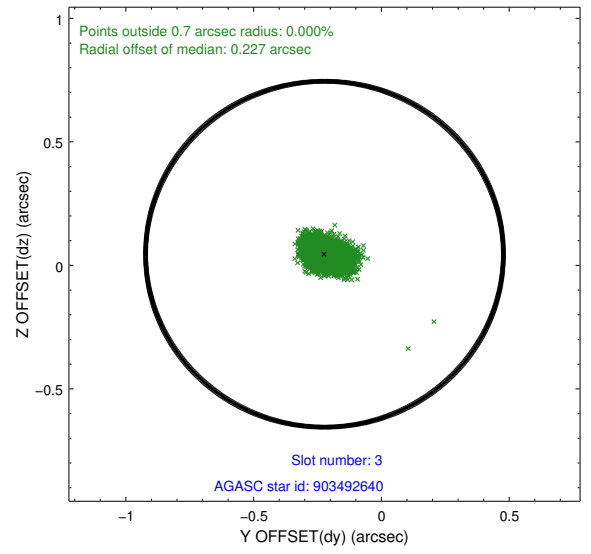
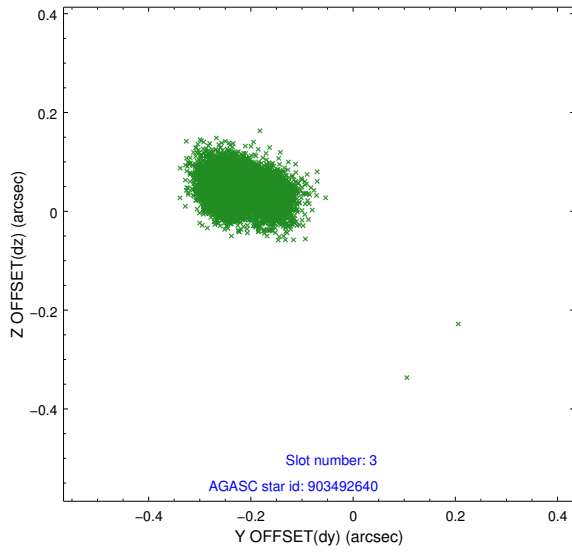


Slot Statistics

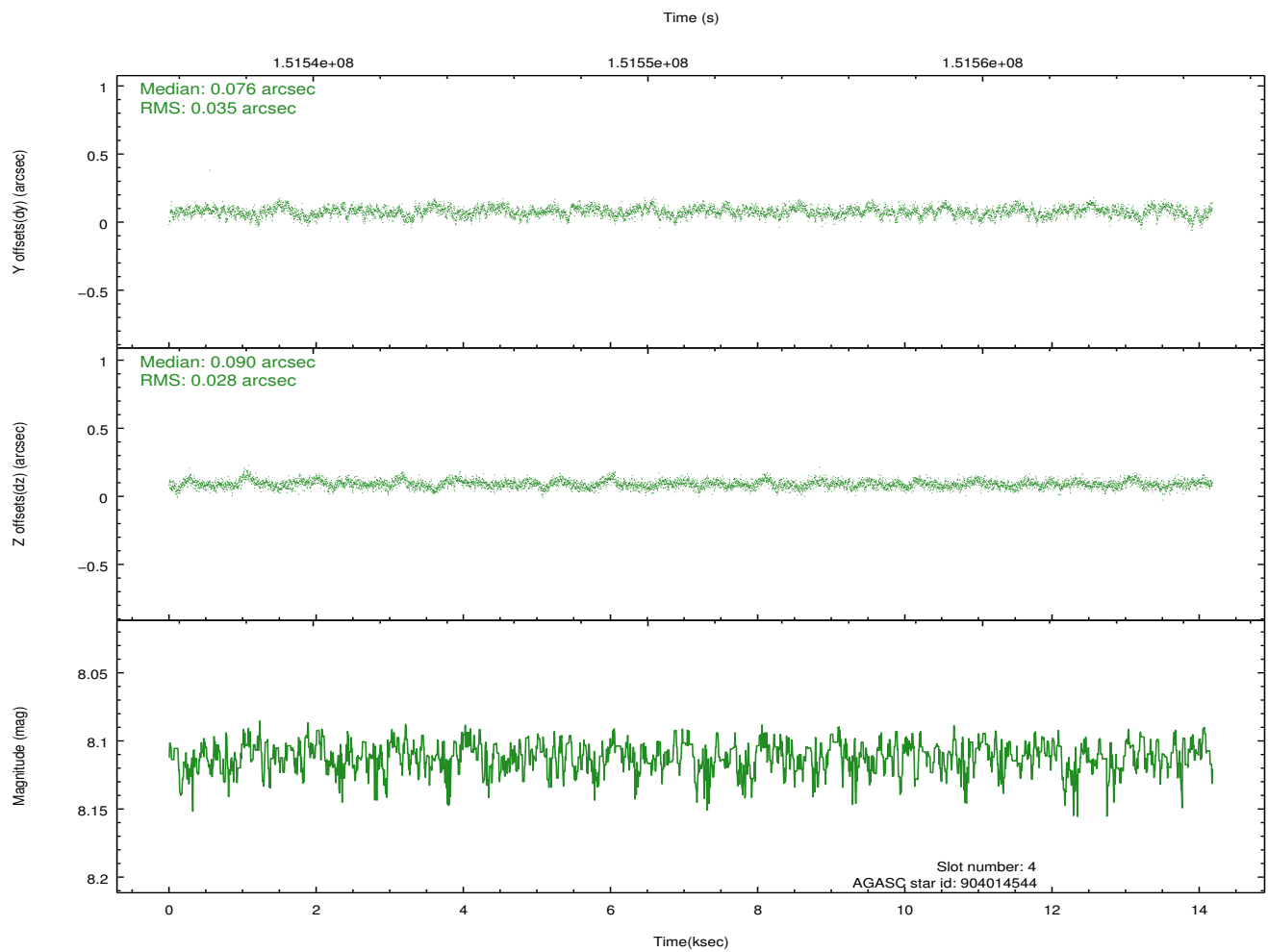
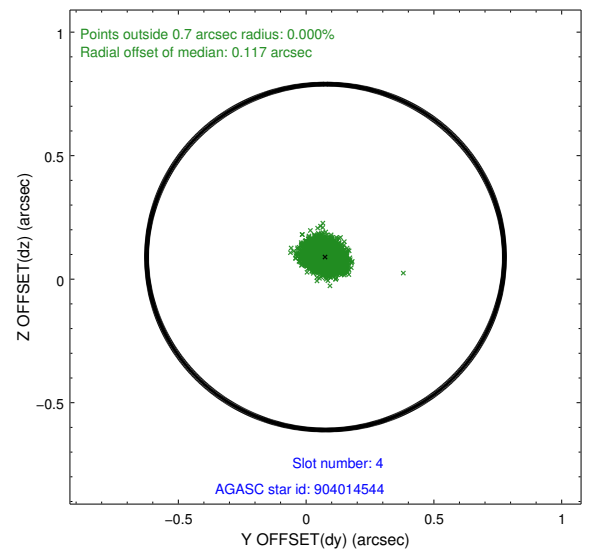
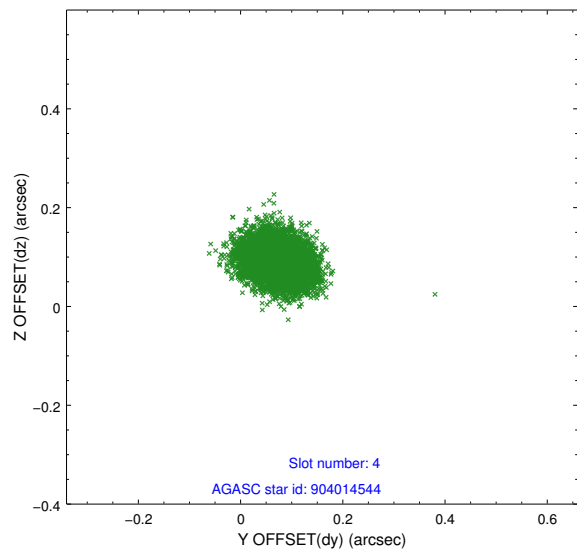
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	3458	0.035	0.006	0.010	0.017	0.000000	0.000000	937.66	-951.29
1	FID	ACIS-I-5	7.23	3458	-0.133	0.066	0.010	0.015	0.000000	0.000000	-1810.41	946.08
2	FID	ACIS-I-6	7.25	3458	0.006	-0.002	0.010	0.015	0.000000	0.000000	402.84	1590.88
3	GUIDE	903492640	7.87	6917	-0.223	0.045	0.060	0.095	293.220458	-26.028115	-1877.40	1187.91
4	GUIDE	904014544	8.11	6917	0.076	0.090	0.048	0.078	293.603626	-27.152462	2309.54	1801.06
5	GUIDE	902318016	8.76	6916	0.033	-0.100	0.062	0.101	292.480935	-26.857630	730.81	-1604.91
6	GUIDE	901787584	8.90	6915	-0.181	-0.051	0.064	0.104	292.918738	-25.994222	-2141.56	240.00
7	GUIDE	904012680	8.98	6913	0.290	0.016	0.072	0.114	293.487334	-27.163859	2294.02	1426.47

2.4 Star Slots

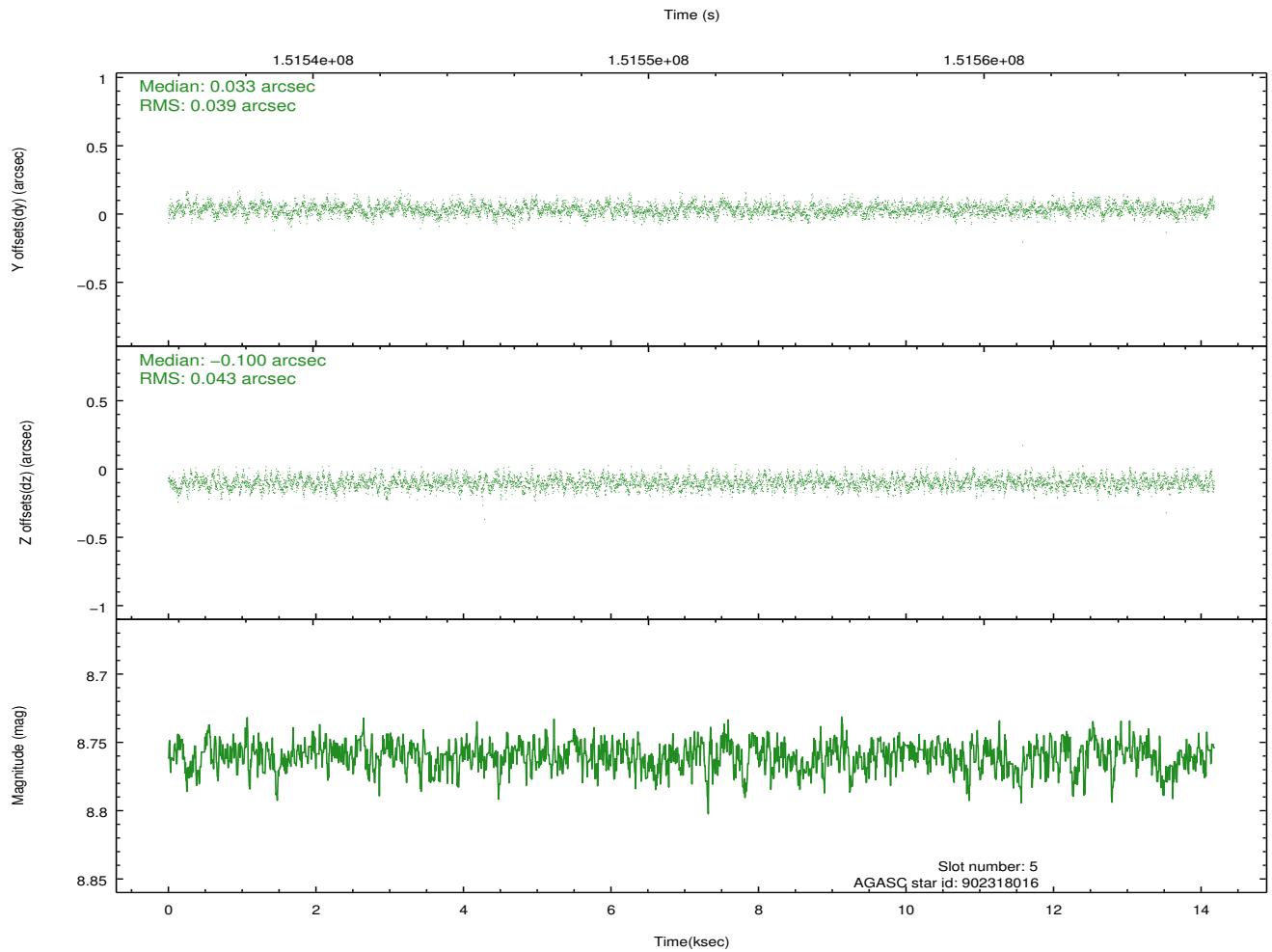
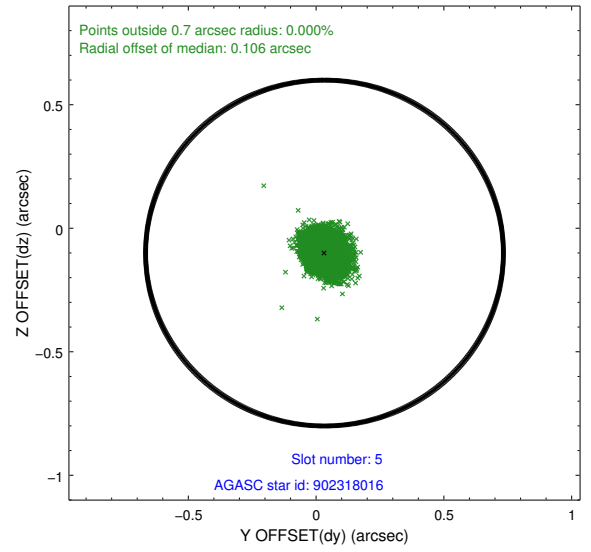
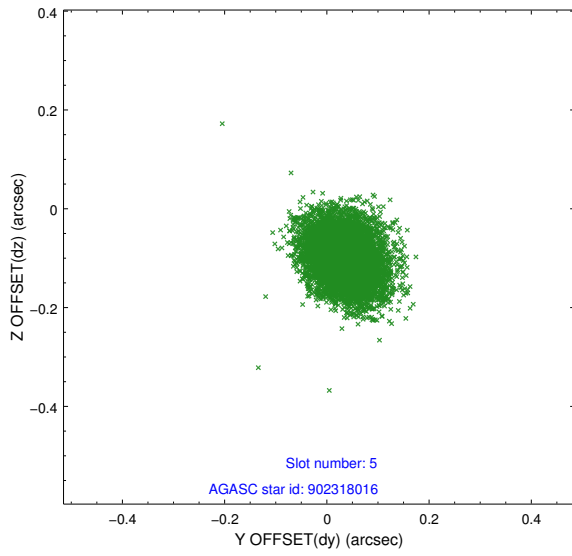
2.4.1 Slot 3



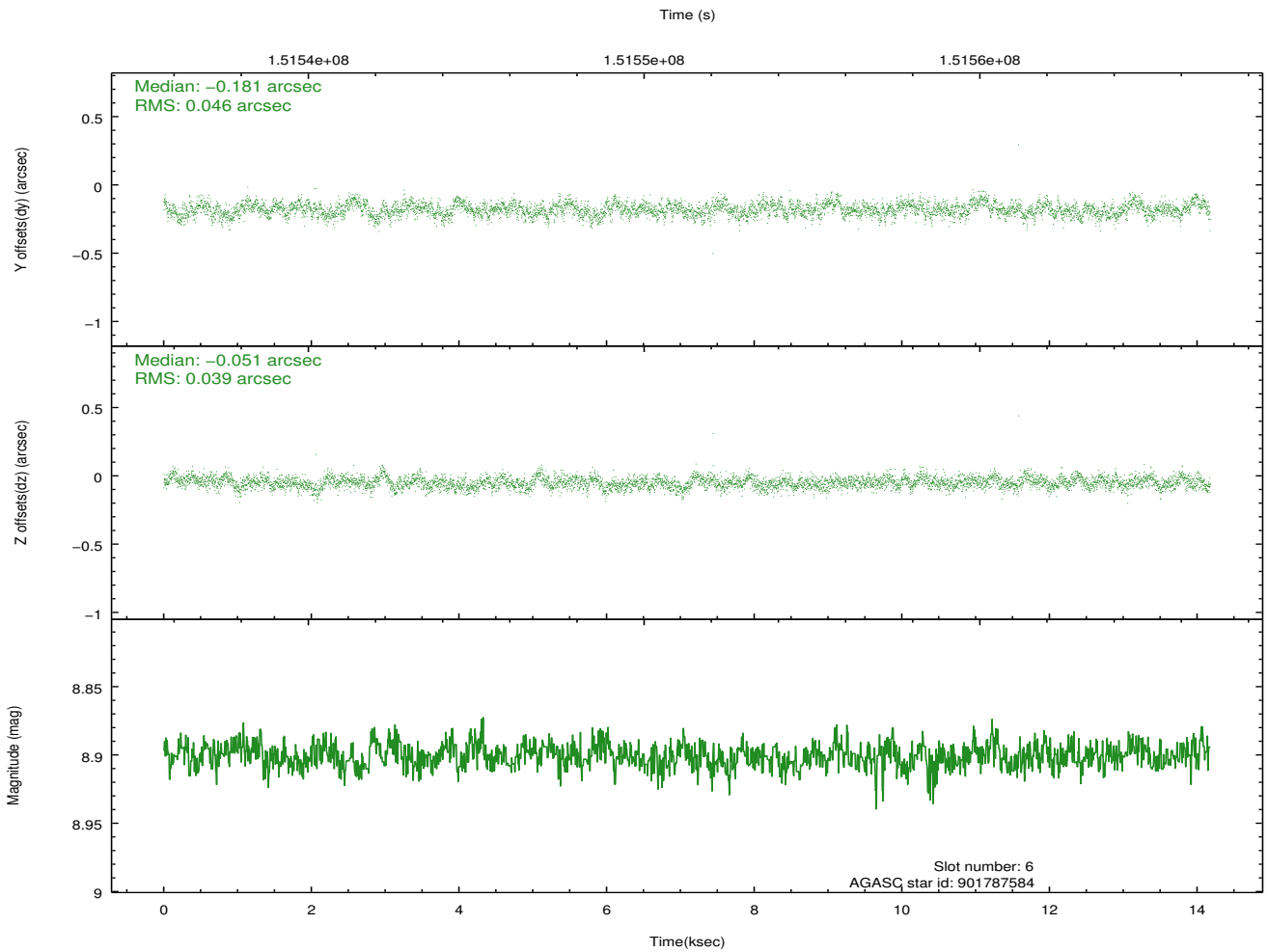
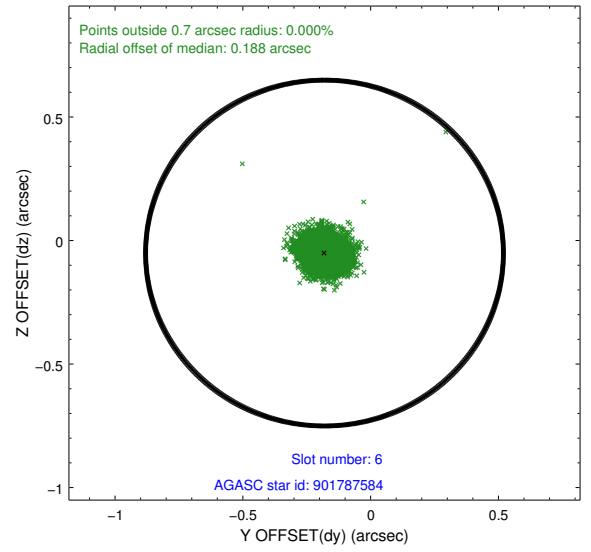
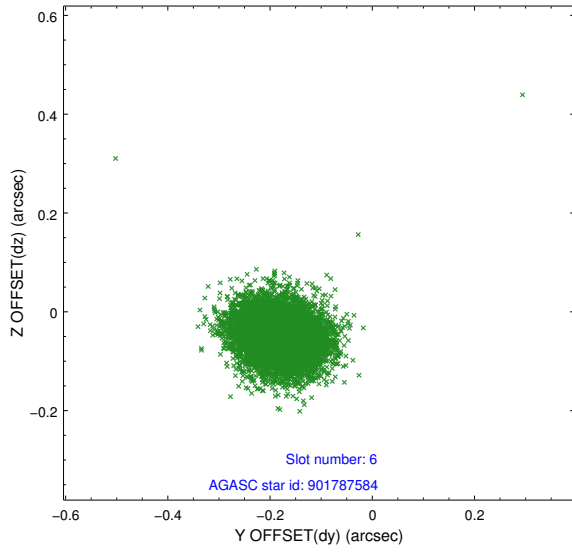
2.4.2 Slot 4



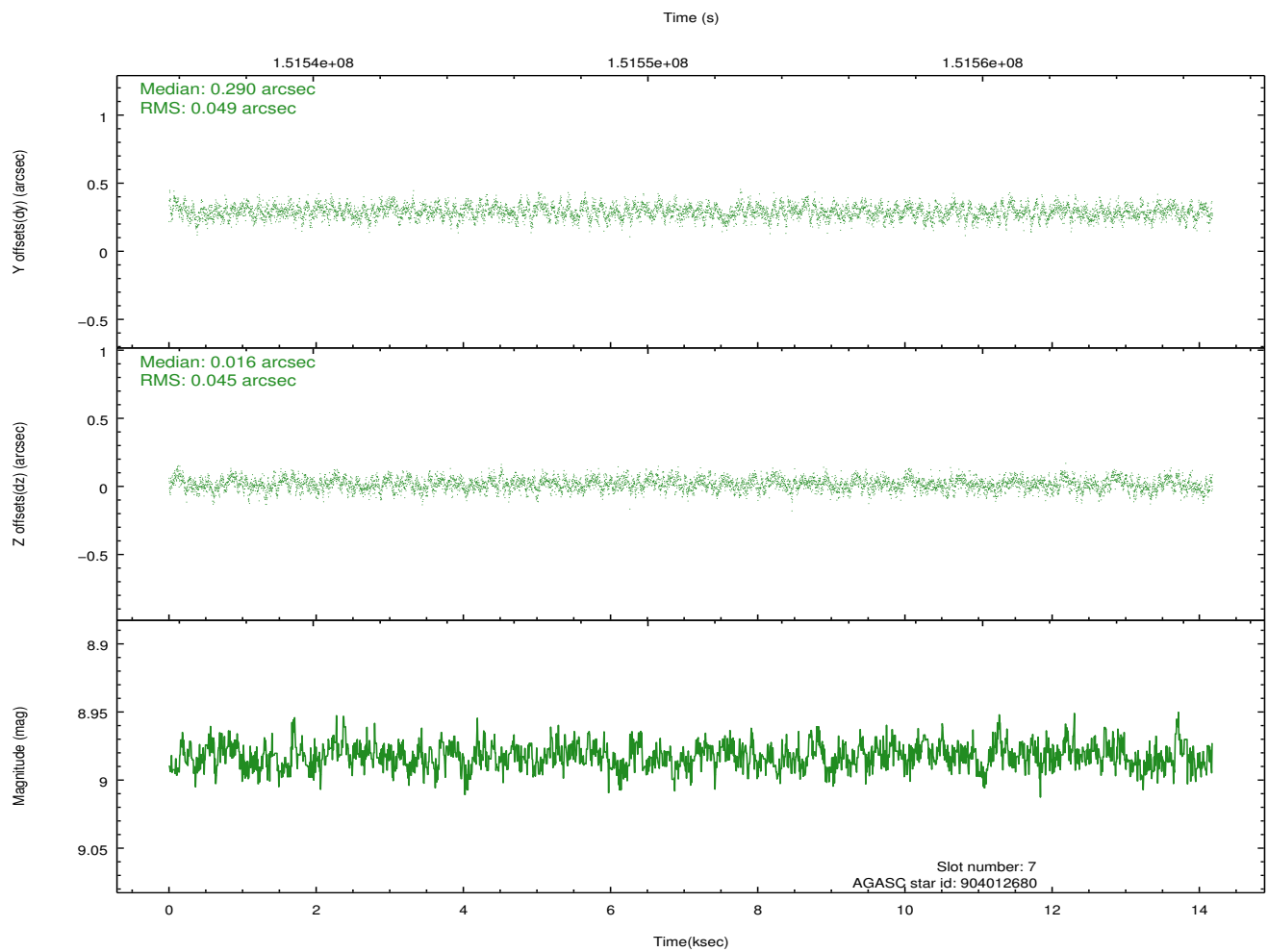
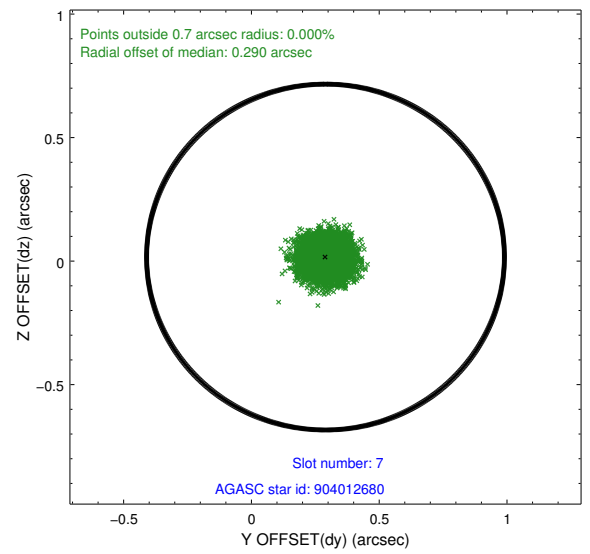
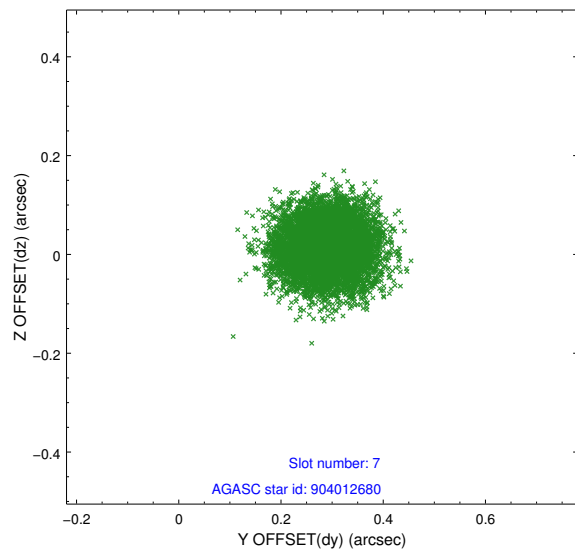
2.4.3 Slot 5



2.4.4 Slot 6

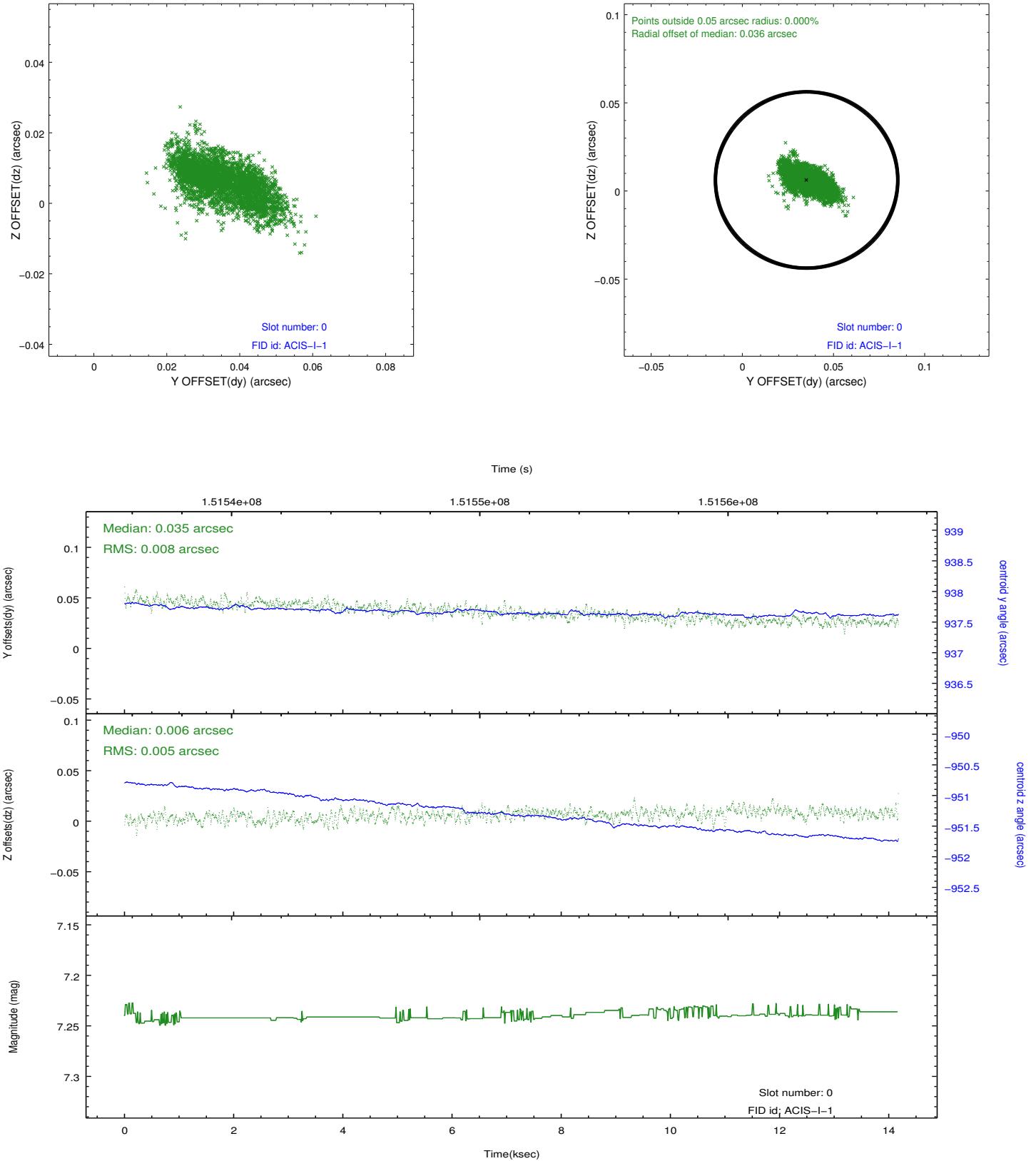


2.4.5 Slot 7

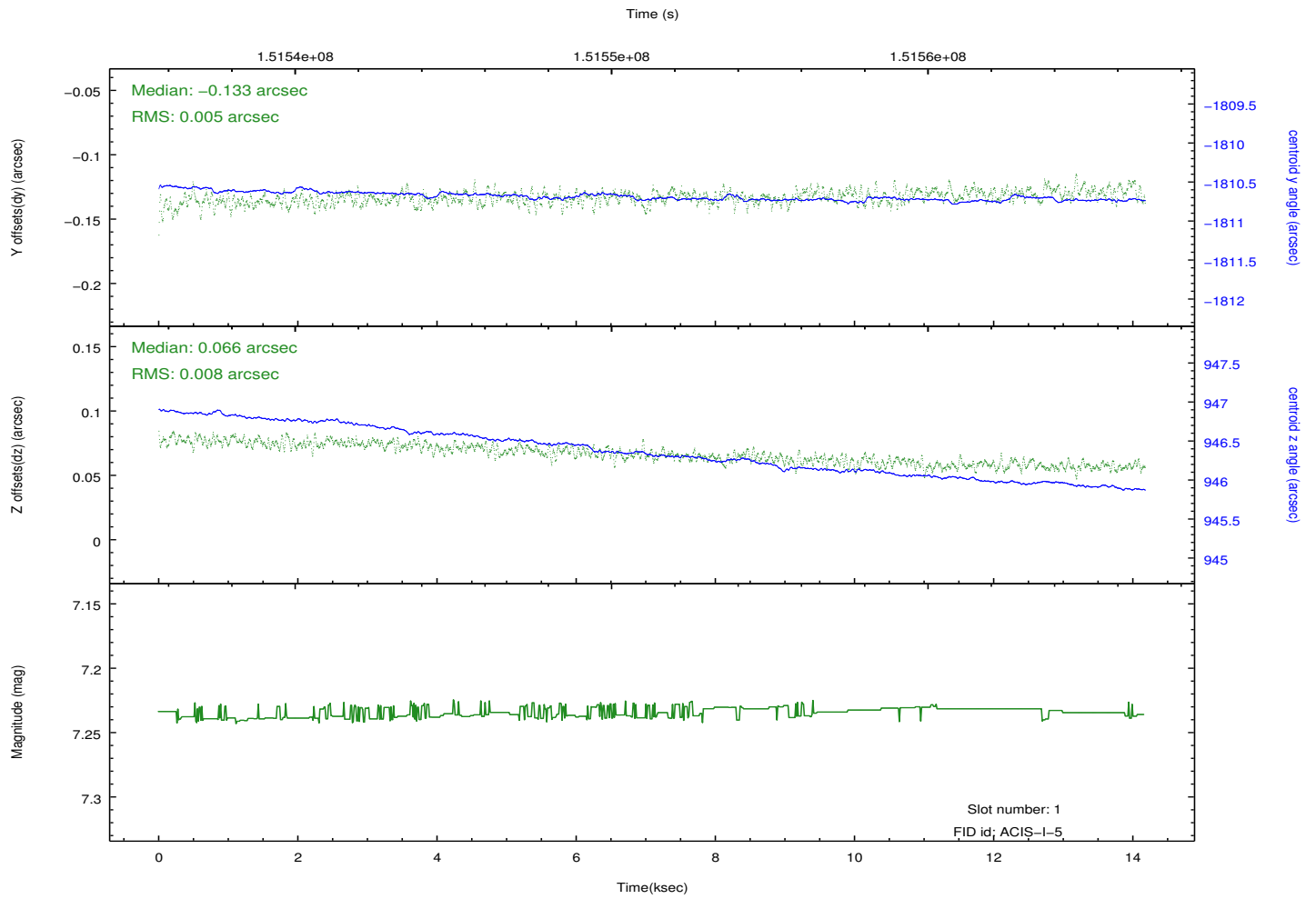
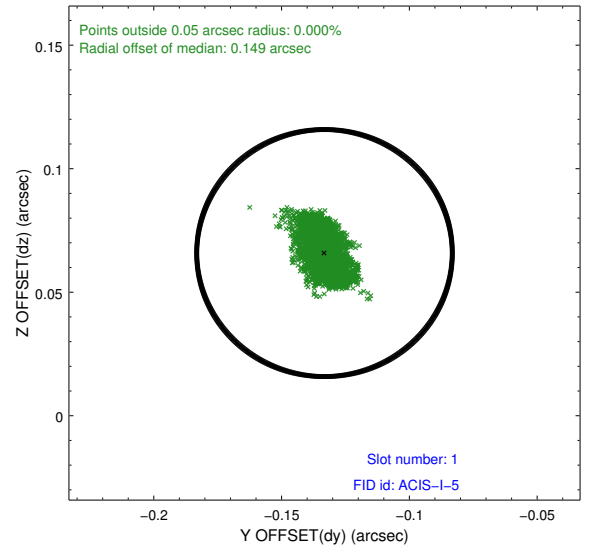
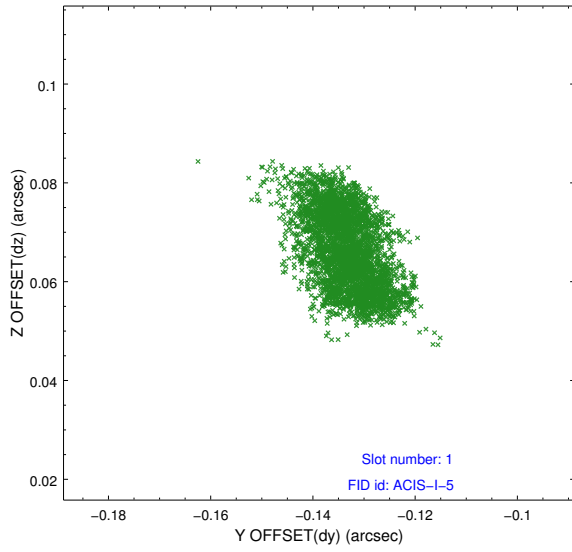


2.5 FID Slots

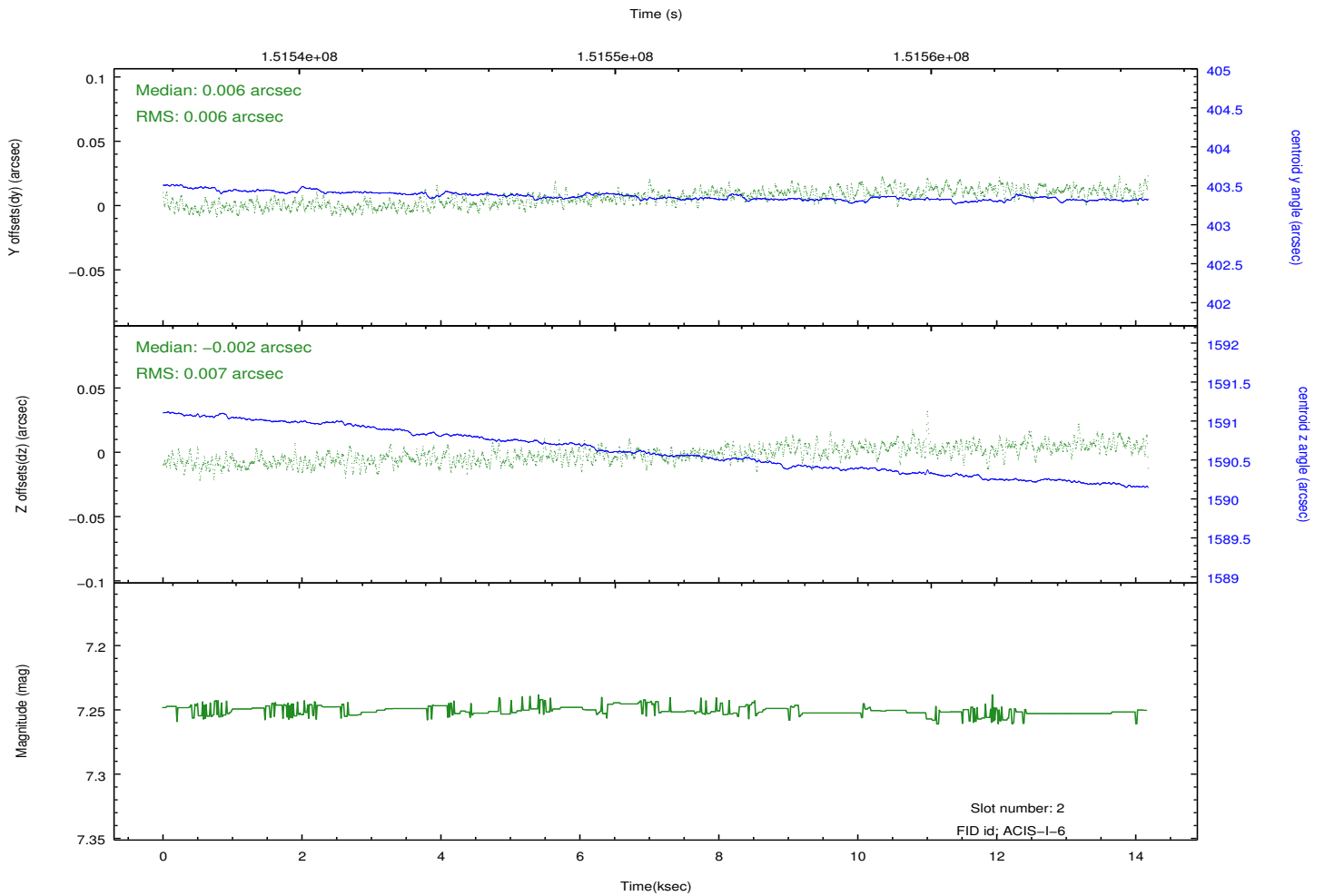
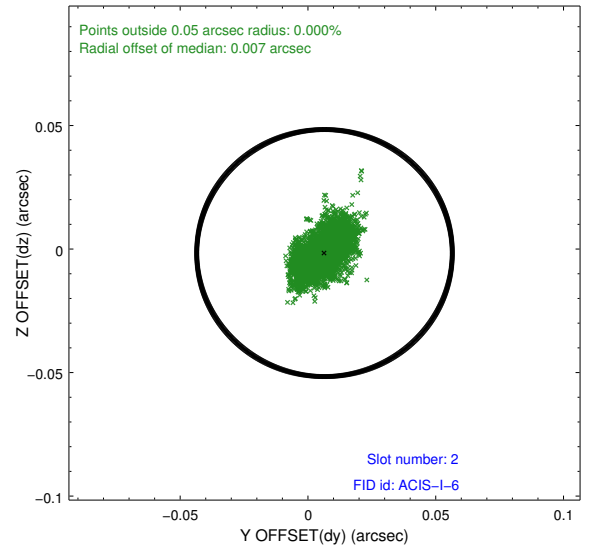
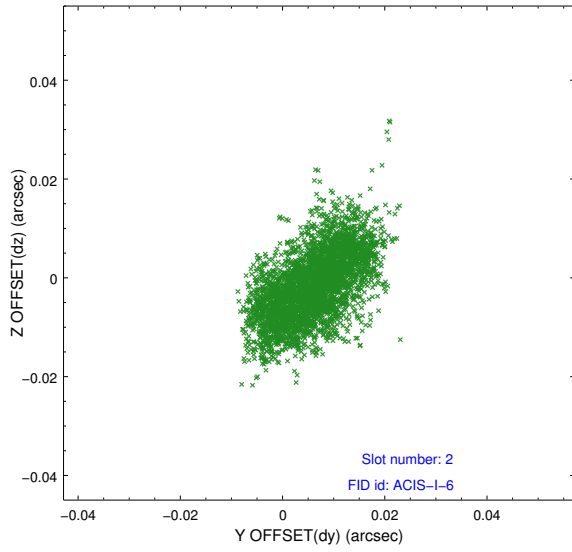
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.773

A.2 Comments