

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5290 - L2 Version 3
Chandra X-Ray Center

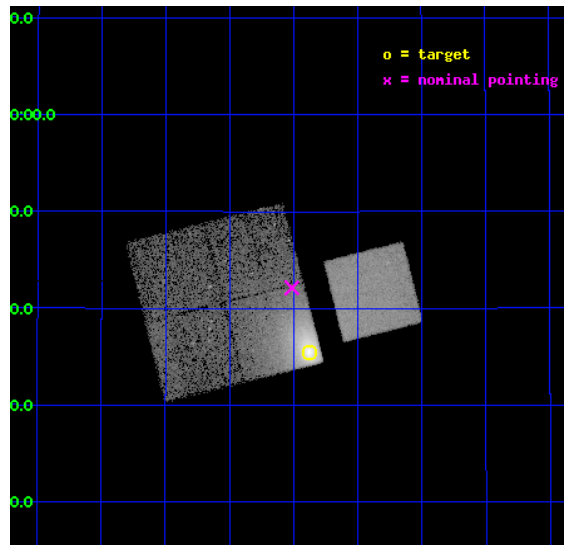
L2 Processing Date : Nov 10 2012

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1 Front

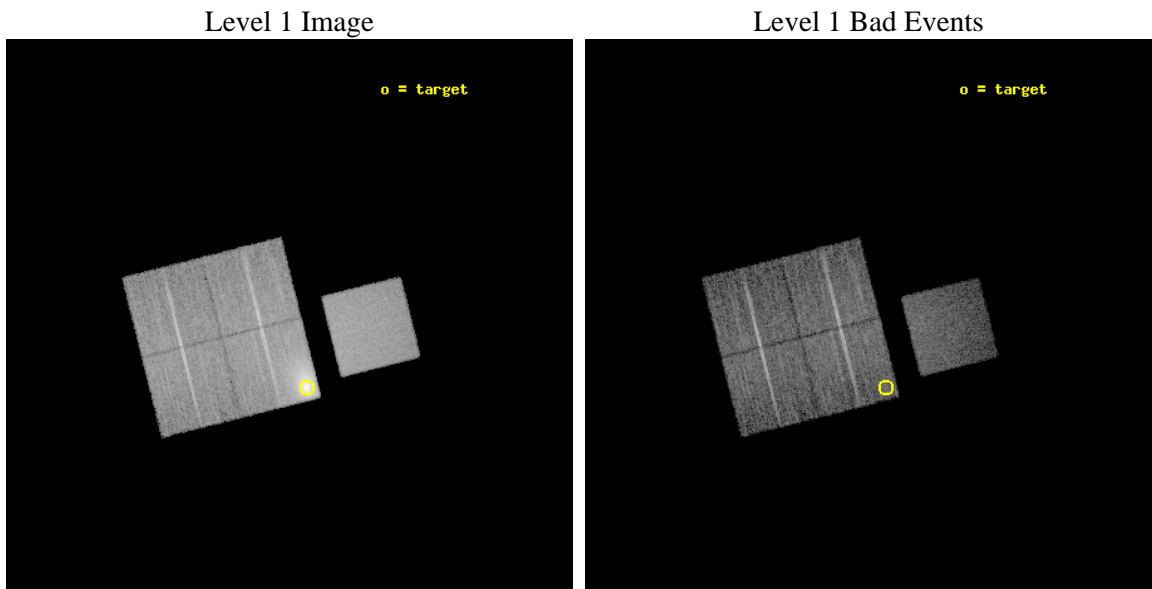
seq_num	890030	Sequence number
obs_id	5290	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.25335122156	Nominal RA [deg]
dec_nom	26.702116371835	Nominal Dec [deg]
roll_nom	75.924707375817	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15143.499970853	Sum of GTIs [s]
livetime	14945.638995252	Livetime [s]
ontime0	15140.359000593	Sum of GTIs [s]
ontime1	15140.358970702	Sum of GTIs [s]
ontime2	15143.499970853	Sum of GTIs [s]
ontime3	15143.499970853	Sum of GTIs [s]
ontime7	15143.499970853	Sum of GTIs [s]
l2events	157896	Number of level 2 events



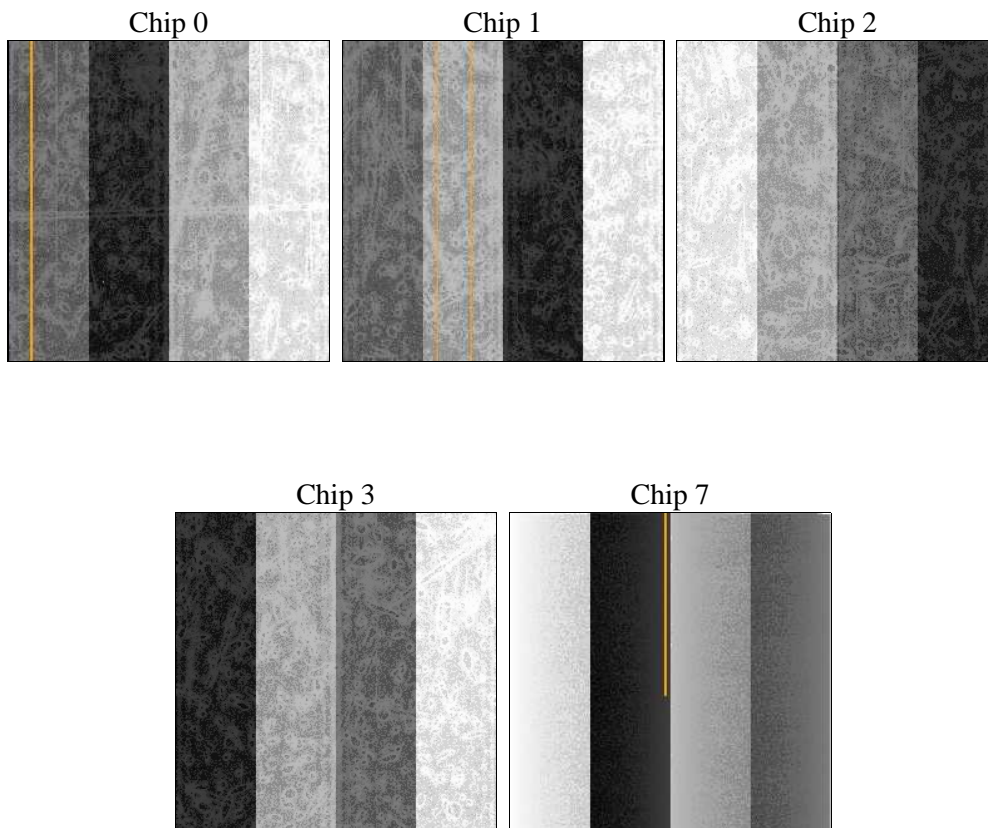
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15143.499970853	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	15140.359000593	Sum of GTIs [s]
date	2012-11-10T22:15:37	Date and time of file creation	ontime1	15140.358970702	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	15143.499970853	Sum of GTIs [s]
			ontime3	15143.499970853	Sum of GTIs [s]
			ontime7	15143.499970853	Sum of GTIs [s]
			l1events	484575	Number of level 1 events

2.1.4 Events

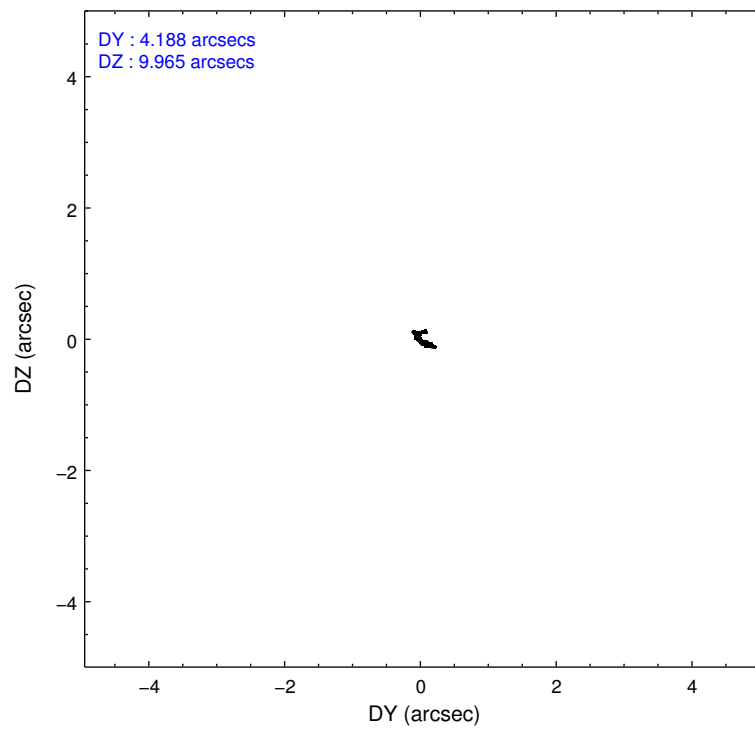
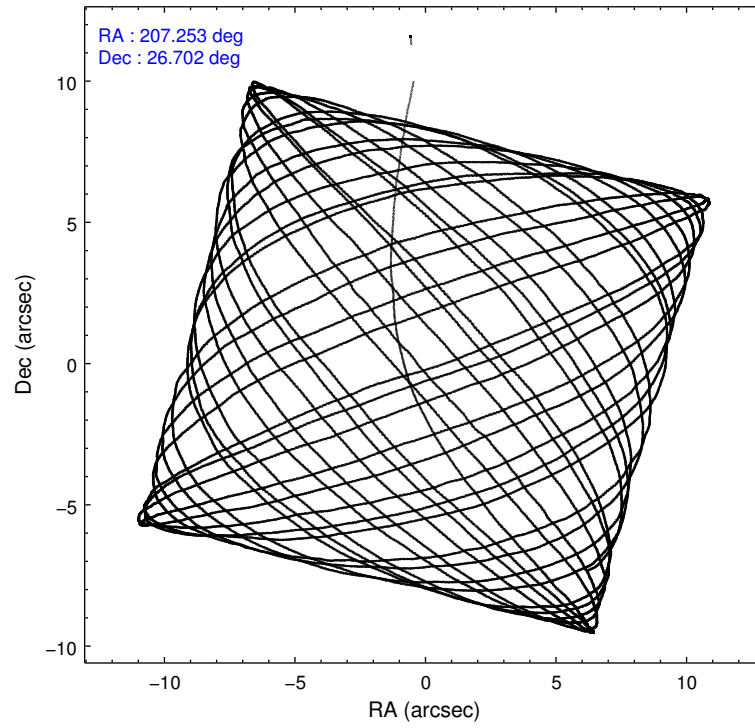
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	69679	73795	80509	162247	98345
rejected events	61183	63683	70330	74096	49103
rejected %	87%	86%	87%	45%	49%

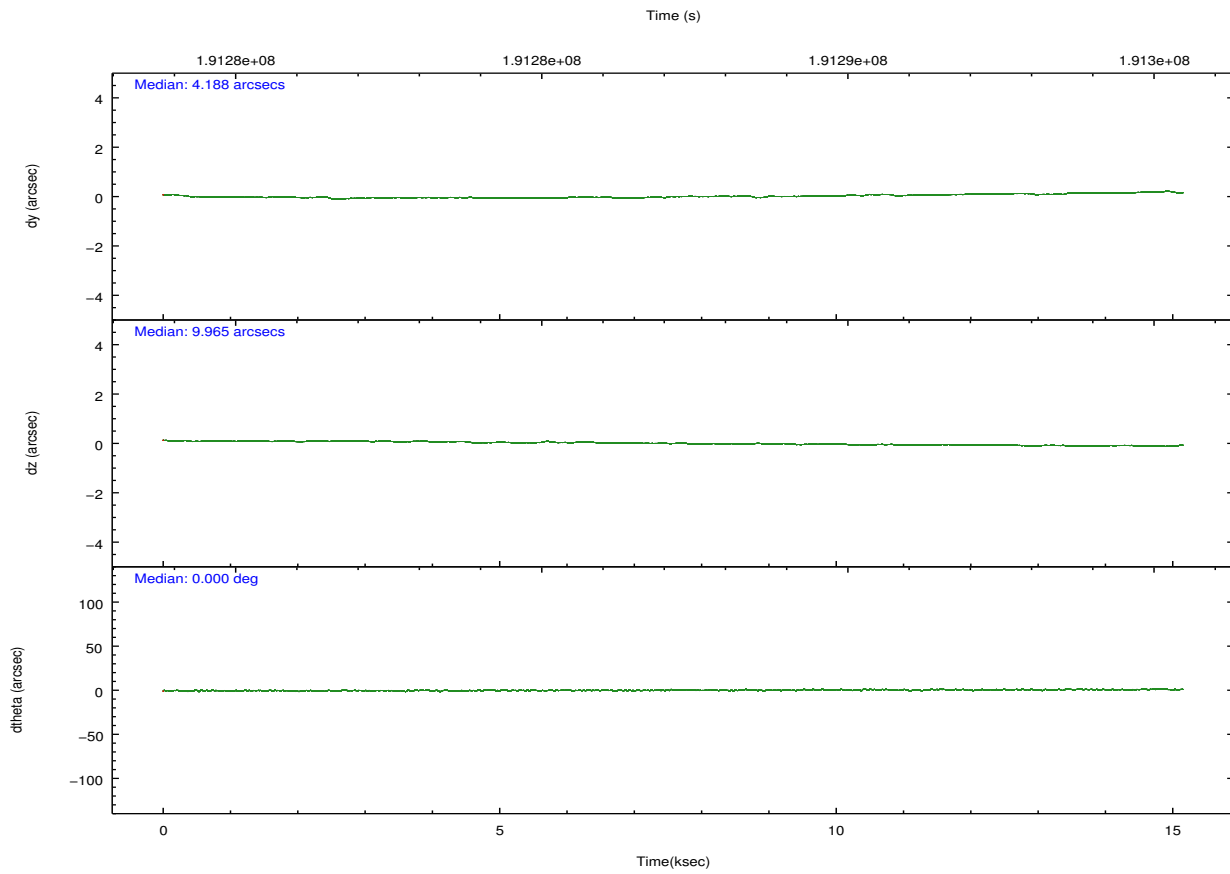
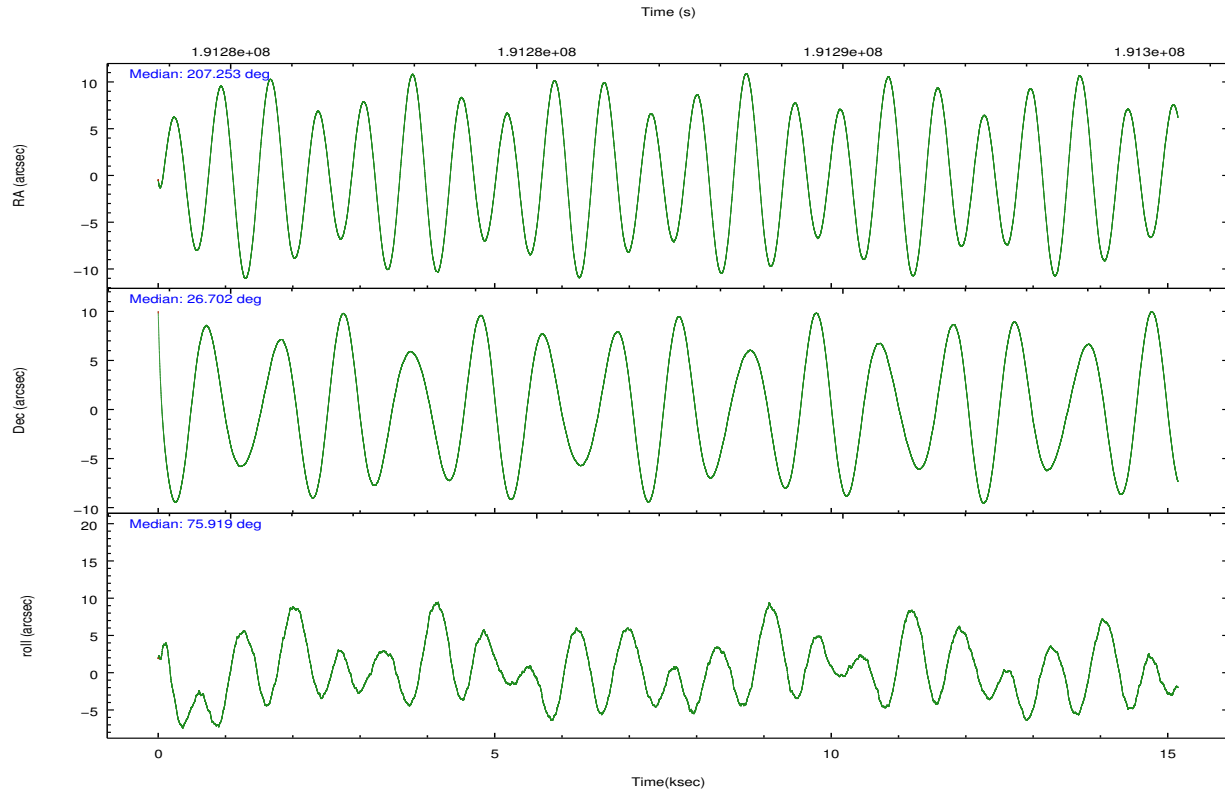
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	3840	4871	5363	69372	6373
	5%	6%	6%	42%	6%
grade 1 events	28	37	58	305	72
	0%	0%	0%	0%	0%
grade 2 events	2014	2183	2148	9786	10499
	2%	2%	2%	6%	10%
grade 3 events	990	1034	902	3452	4870
	1%	1%	1%	2%	4%
grade 4 events	887	1031	956	3425	4834
	1%	1%	1%	2%	4%
grade 5 events	2748	2986	2594	3290	9390
	3%	4%	3%	2%	9%
grade 6 events	1593	1870	1480	3595	24277
	2%	2%	1%	2%	24%
grade 7 events	57579	59783	67008	69022	38030
	82%	81%	83%	42%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	207.261861	207.2533512215595	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.675806	26.70211637183474	Alternating exposures requested	N	N
[deg] Pointing Roll	75.712200	75.92470737581658	[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	-214.092463	-214.0964622431356			
[mm] SIM translation stage offset	-19.5	-19.49599075979413			
[s] Observation start time (MET)	191279720.184000	191278476.75904			
Observation start date	2004-01-23T21:14:16	2004-01-23T20:54:36			
[s] Observation end time (MET)	191294720.184000	191295242.68477			
Observation end date	2004-01-24T01:24:16	2004-01-24T01:34:02			
Read mode	TIMED	TIMED			

2.3 Aspect



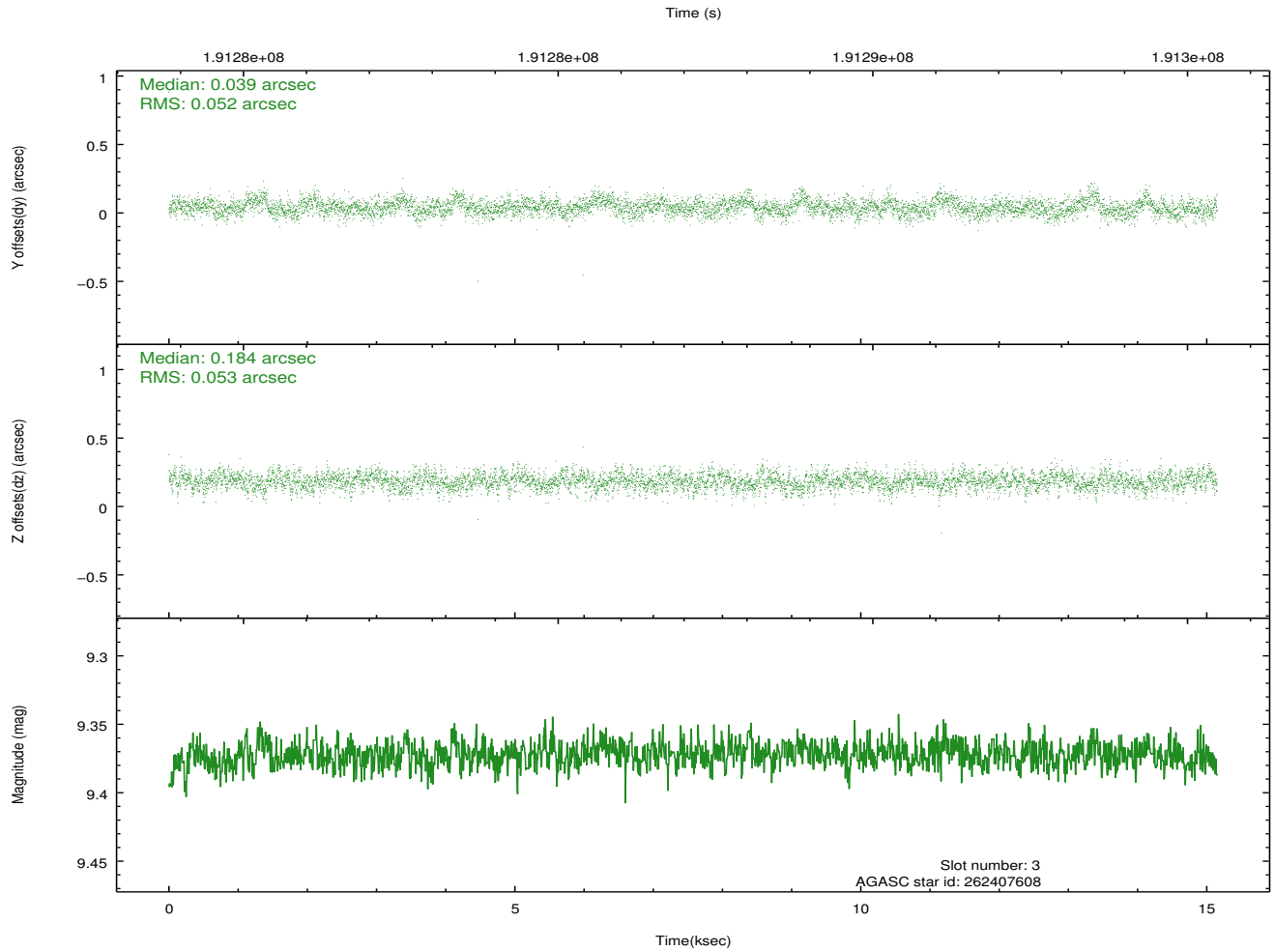
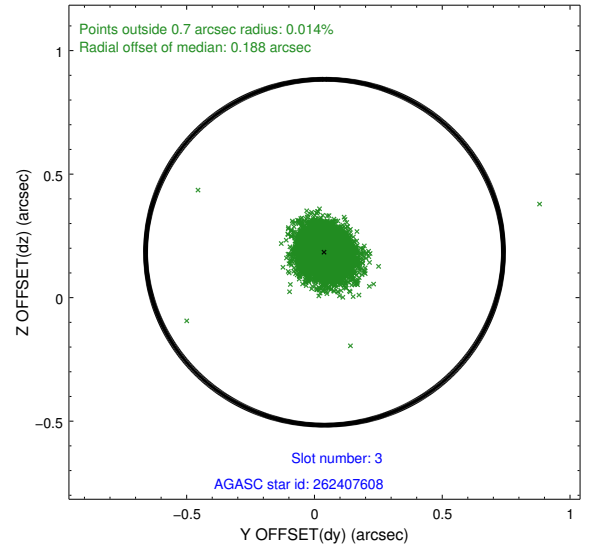
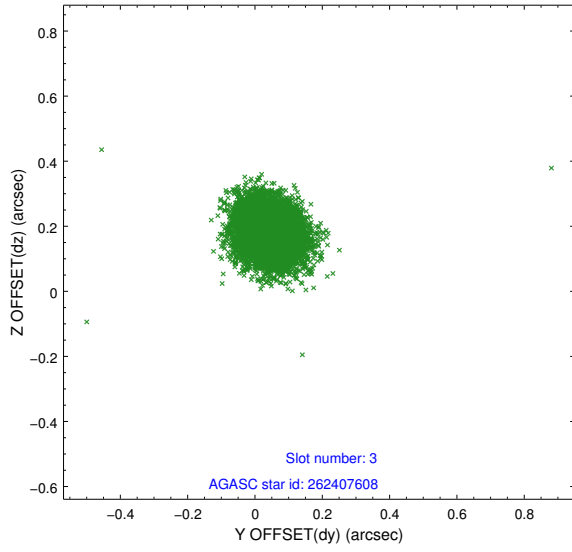


Slot Statistics

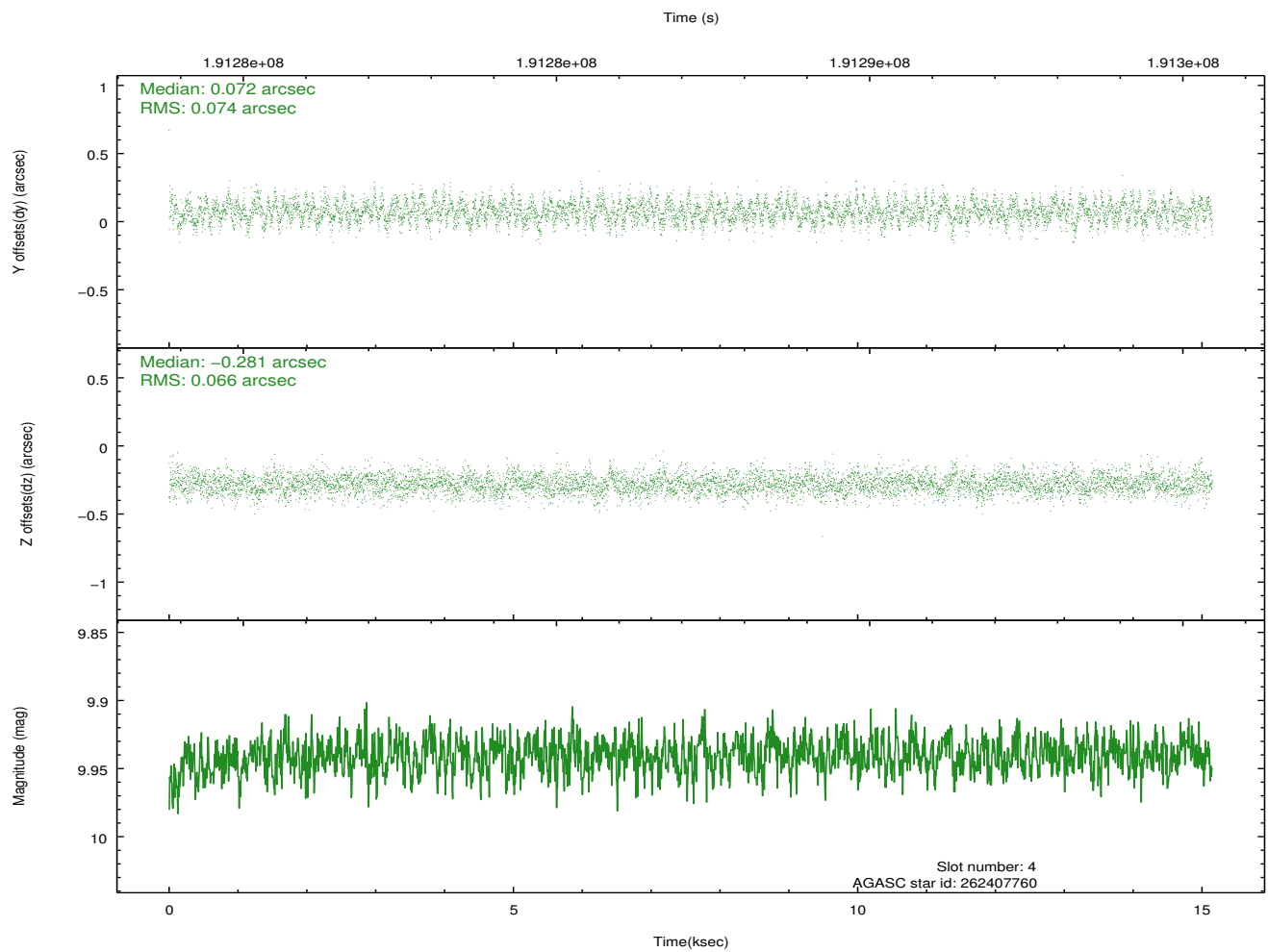
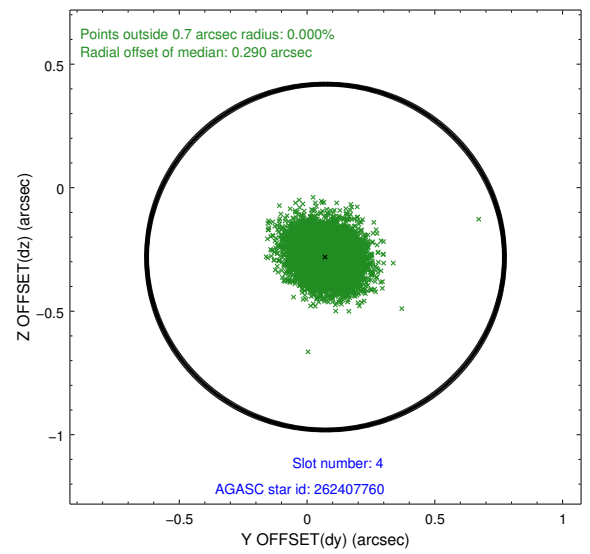
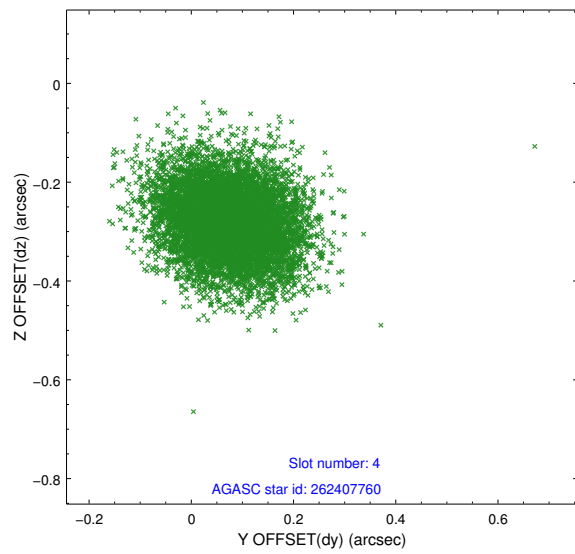
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.20	3696	0.256	-0.193	0.007	0.013	0.000000	0.000000	935.39	-1234.05
1	FID	ACIS-I-5	7.22	3696	-0.420	0.188	0.007	0.013	0.000000	0.000000	-1813.15	663.67
2	FID	ACIS-I-6	7.27	3695	0.072	0.076	0.006	0.011	0.000000	0.000000	400.53	1308.32
3	GUIDE	262407608	9.37	7389	0.039	0.184	0.077	0.125	207.378401	26.435507	-745.01	-577.26
4	GUIDE	262407760	9.94	7387	0.072	-0.281	0.105	0.169	206.566773	26.577263	-890.10	2082.52
5	GUIDE	262408096	9.34	7390	0.094	-0.037	0.095	0.163	207.011678	26.515421	-757.38	639.22
6	GUIDE	262408512	8.01	7389	-0.273	0.215	0.058	0.095	207.800210	27.128796	2009.67	-1267.48
7	GUIDE	262408936	9.64	7382	0.069	-0.084	0.096	0.160	207.154731	26.726554	92.79	378.80

2.4 Star Slots

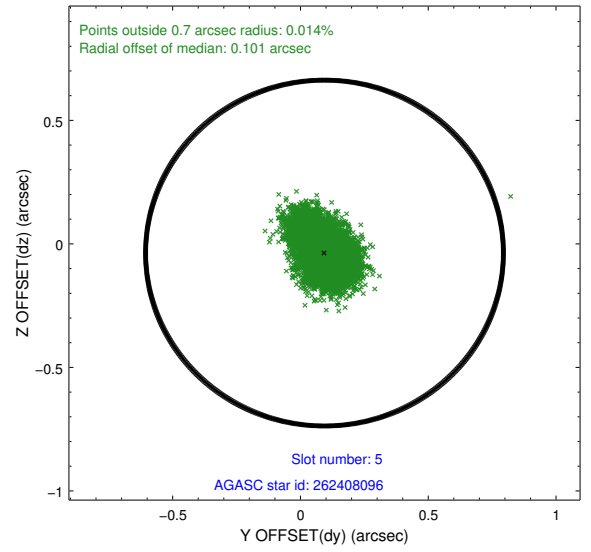
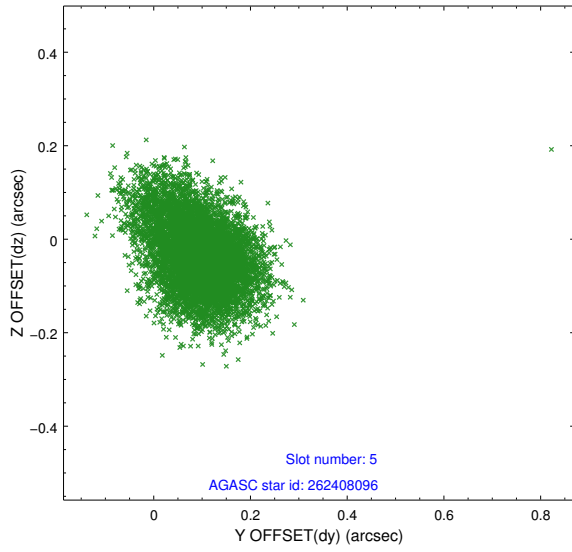
2.4.1 Slot 3



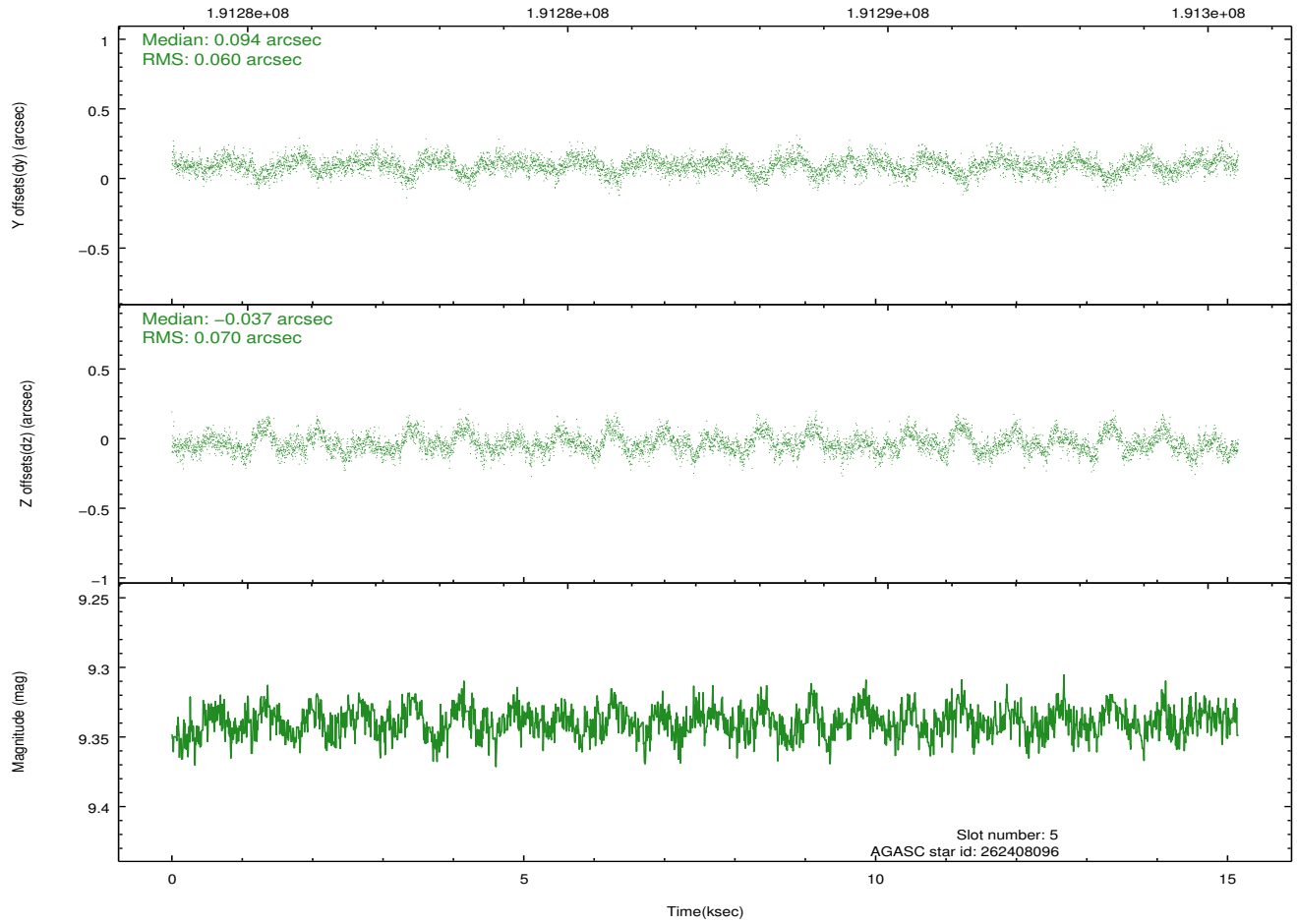
2.4.2 Slot 4



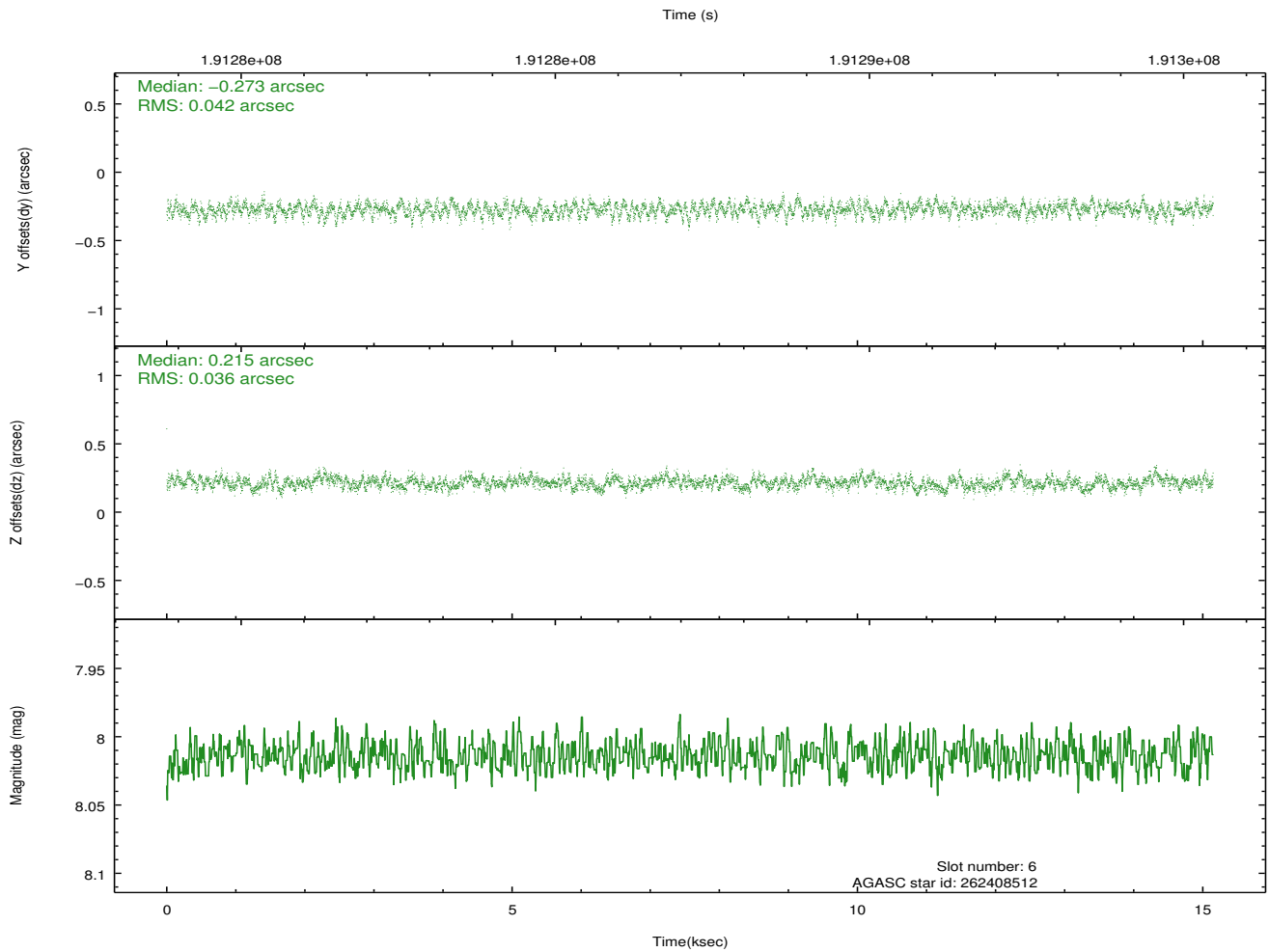
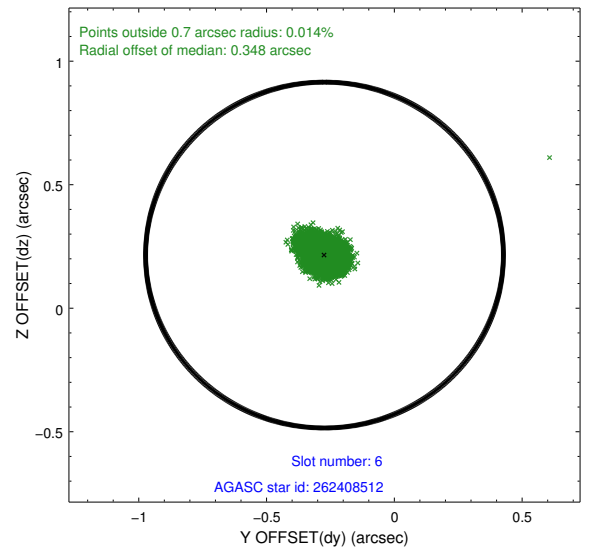
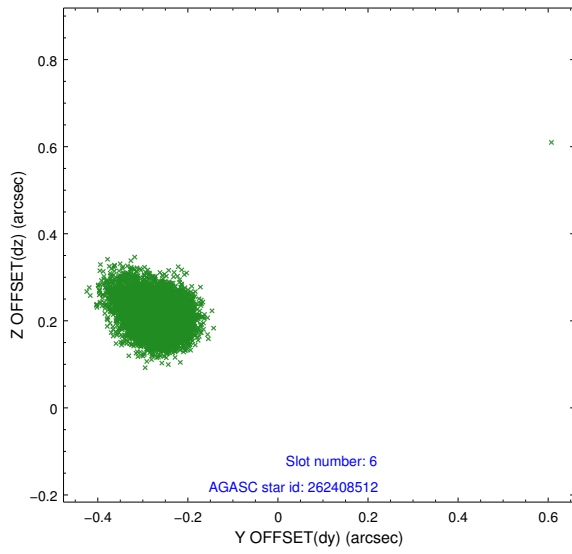
2.4.3 Slot 5



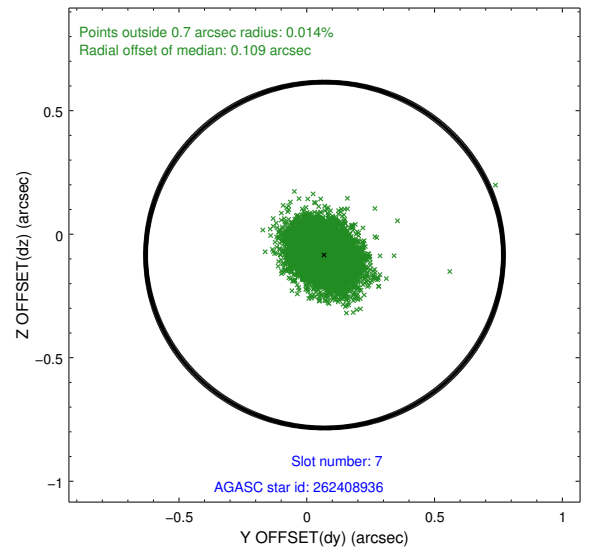
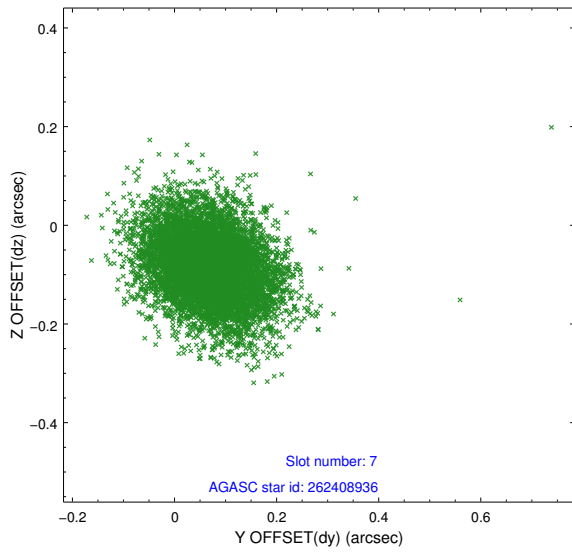
Time (s)



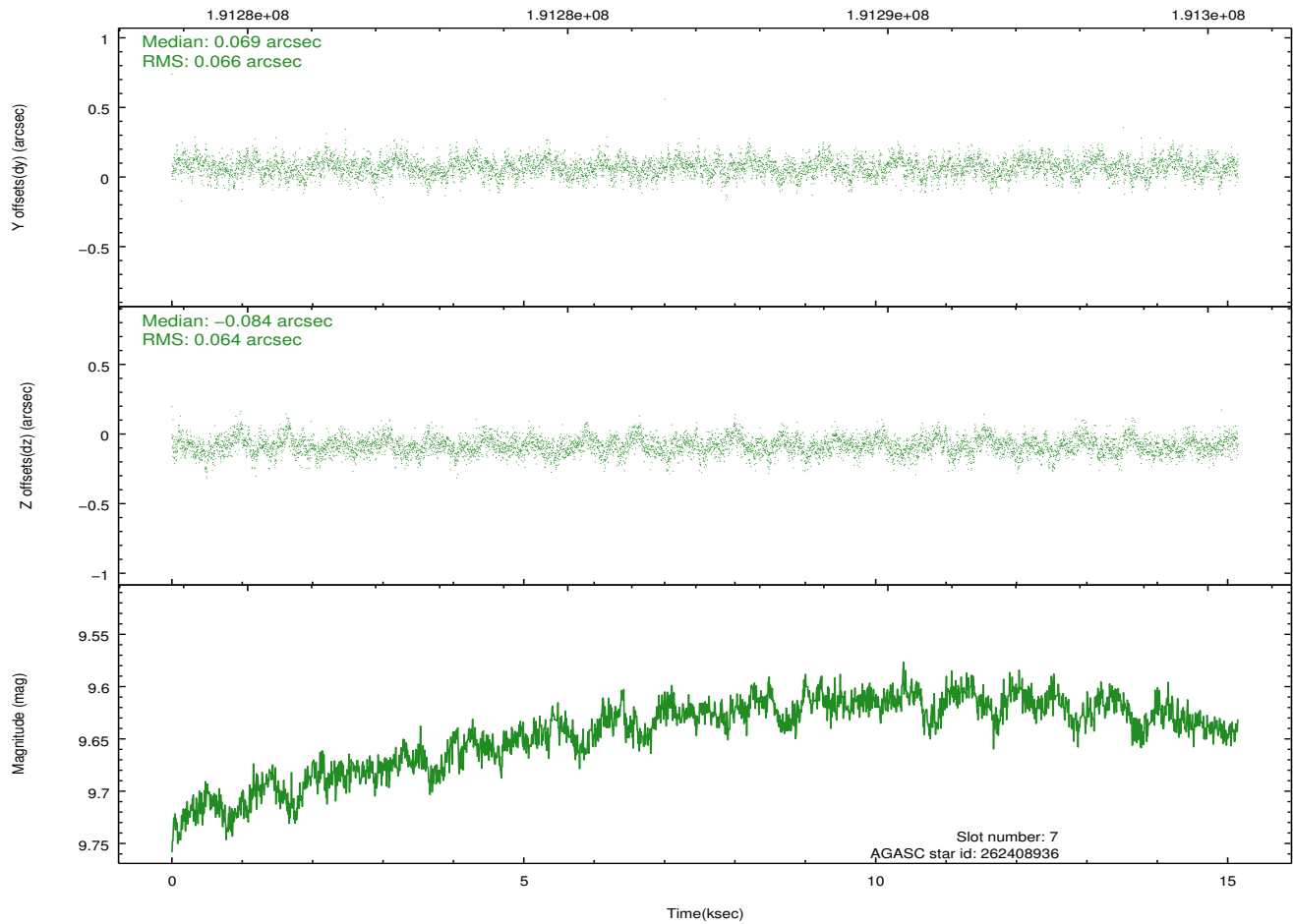
2.4.4 Slot 6



2.4.5 Slot 7

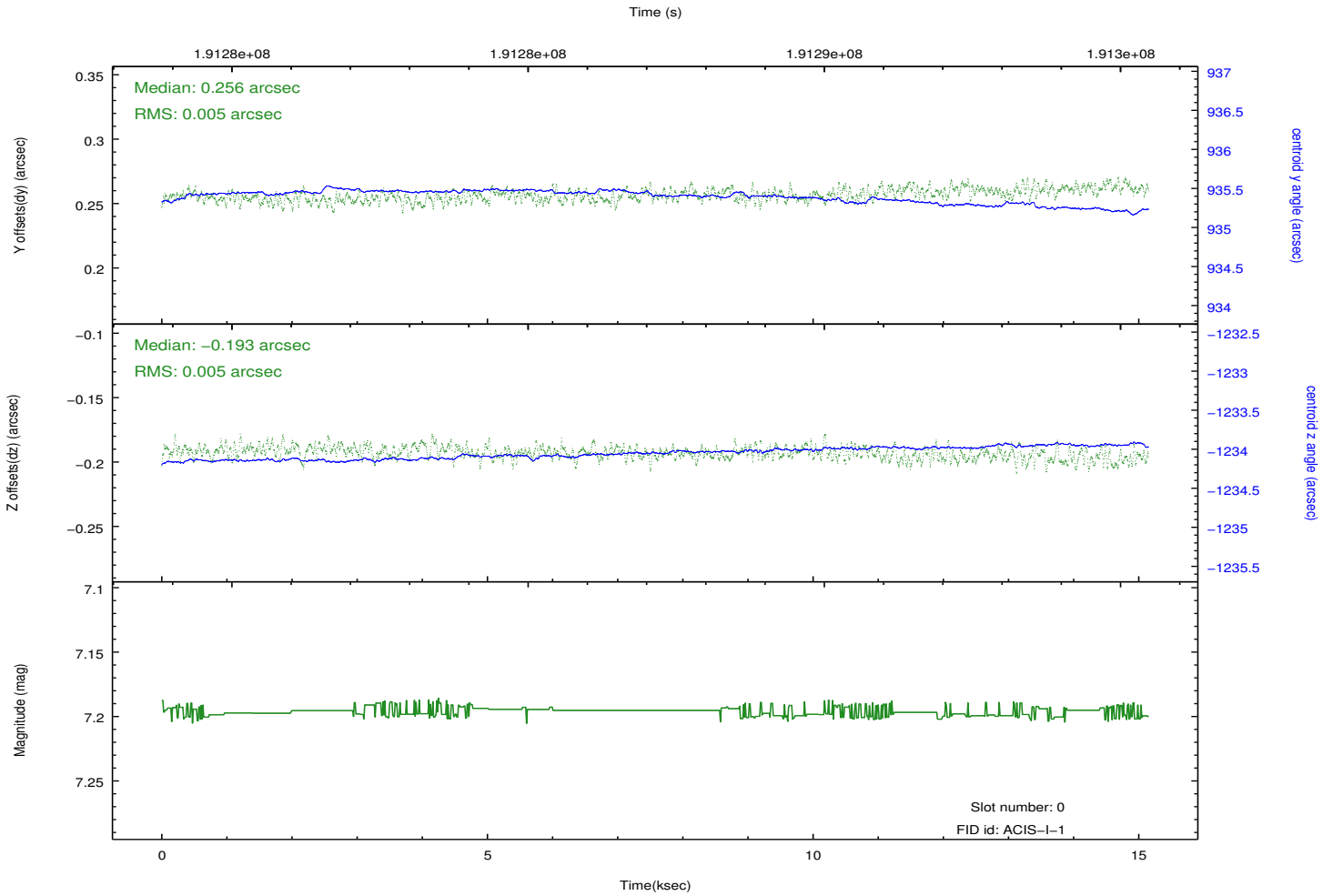
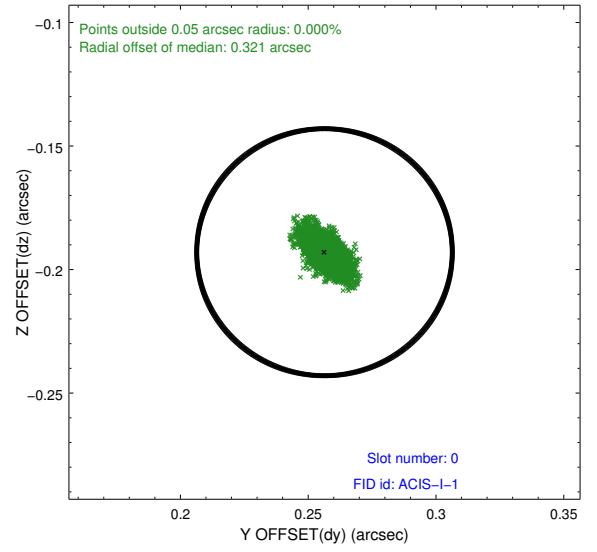
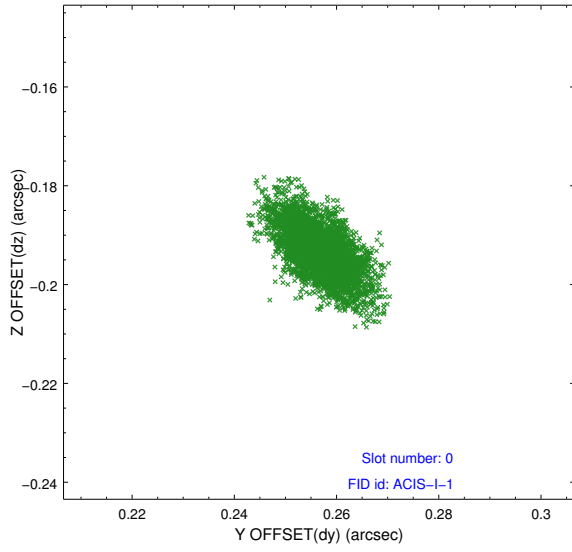


Time (s)

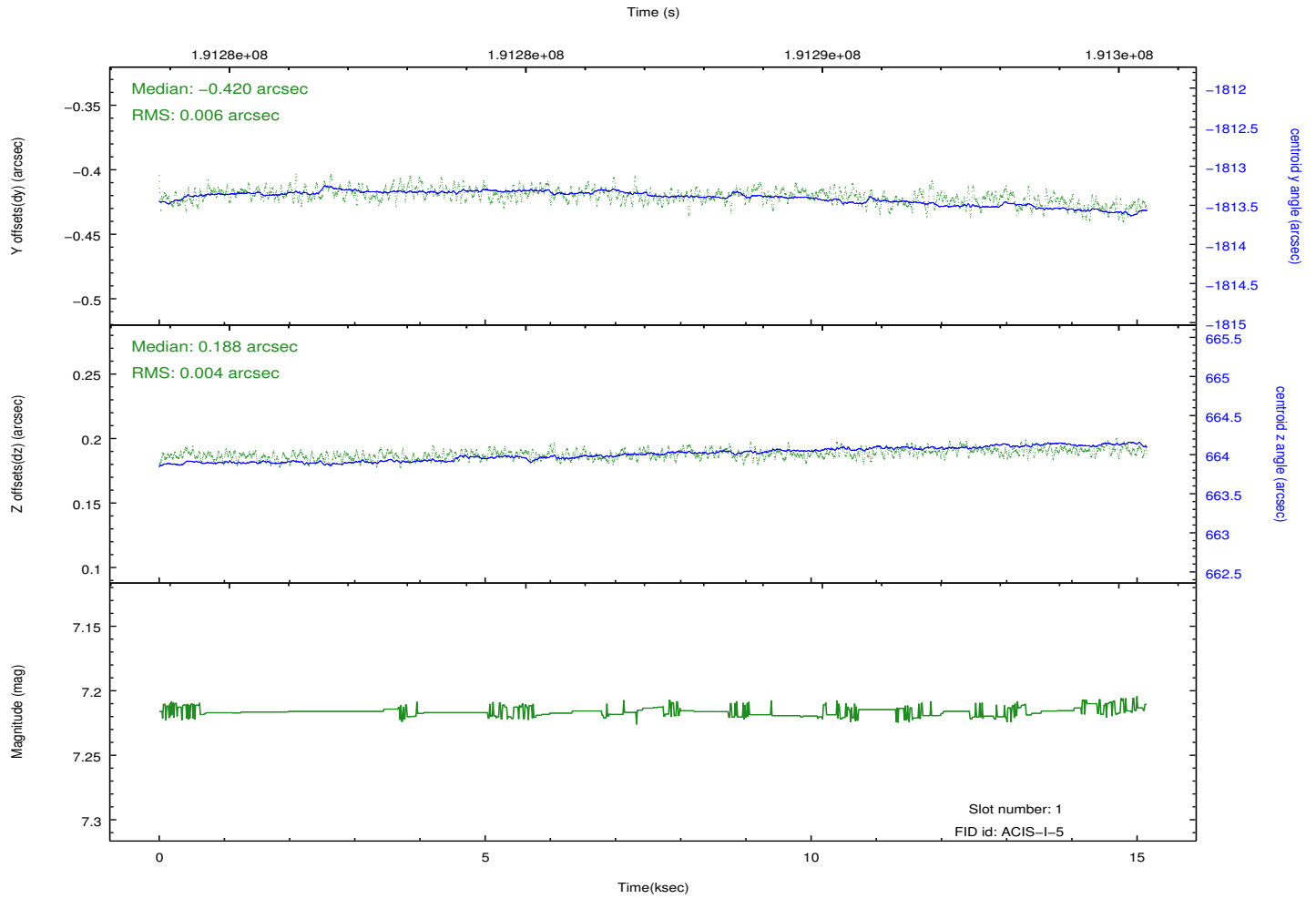
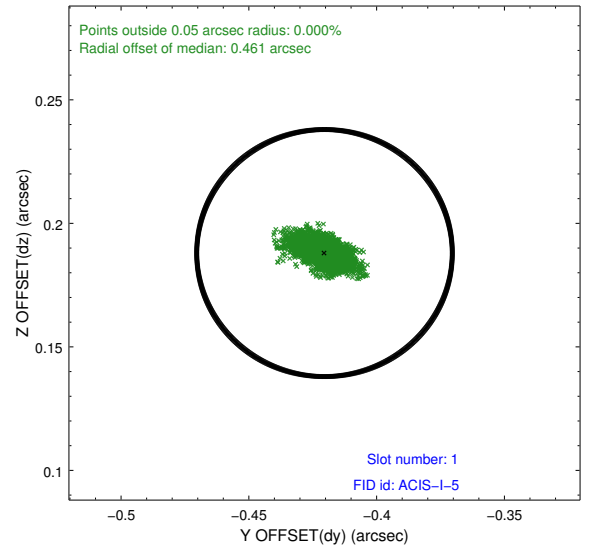
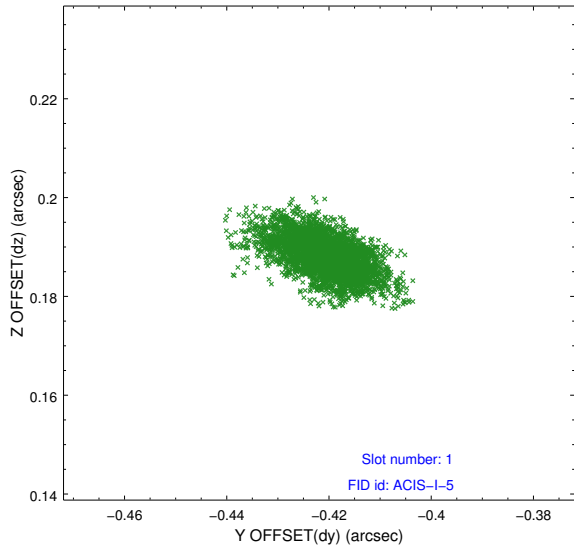


2.5 FID Slots

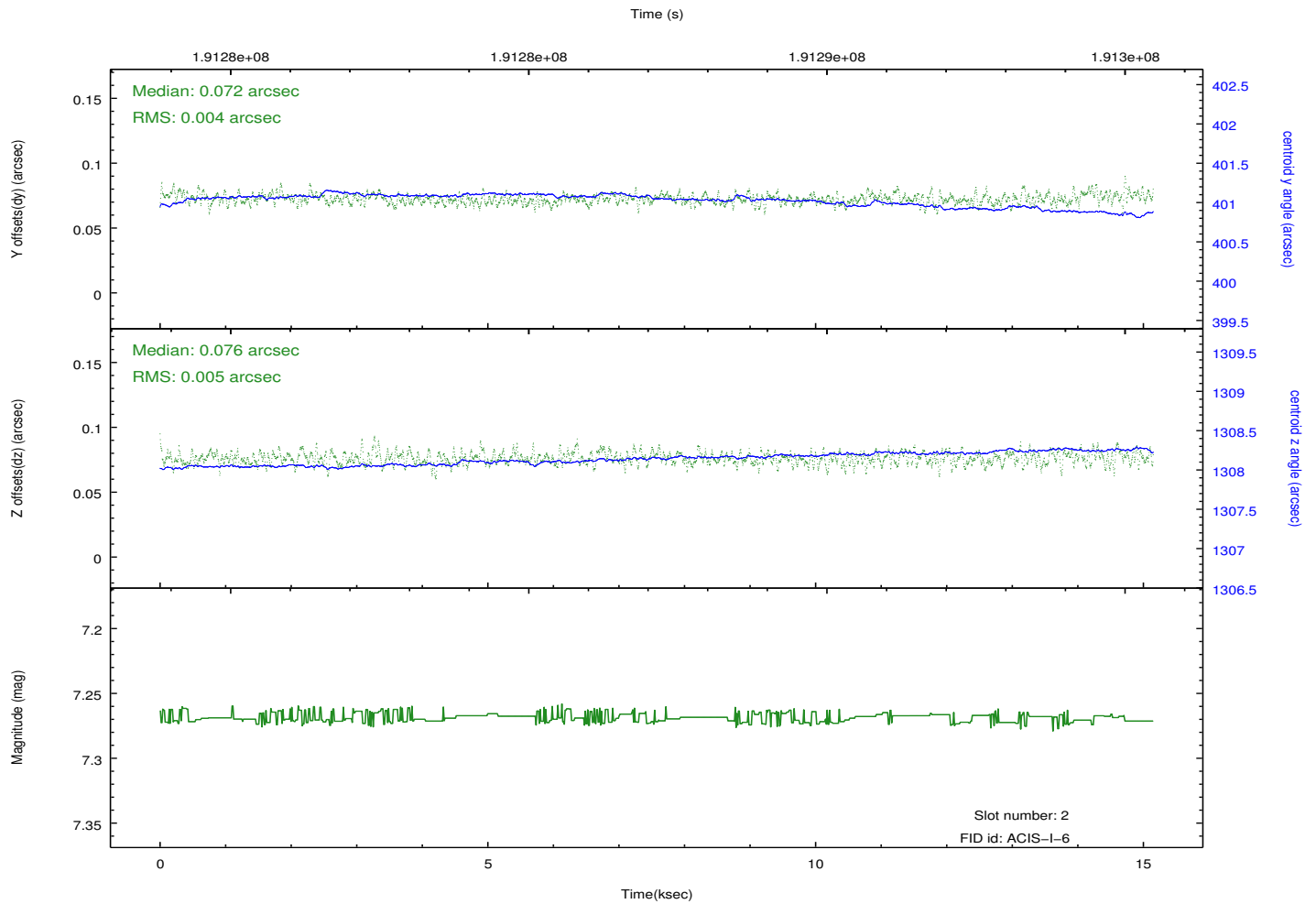
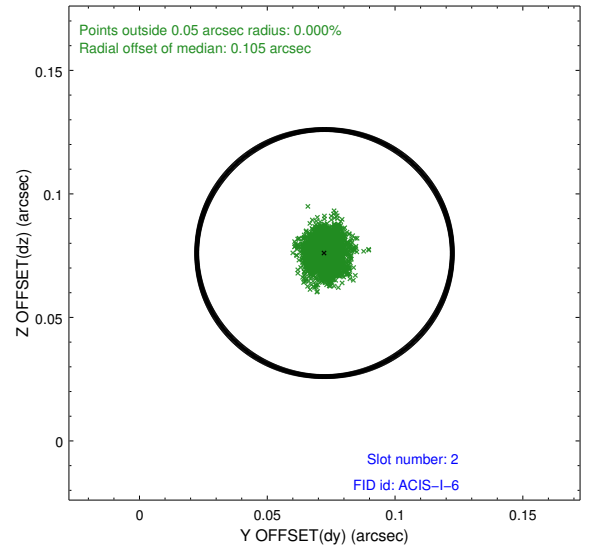
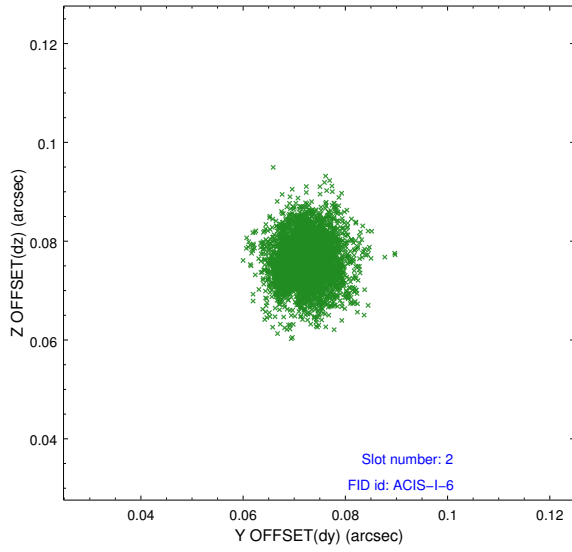
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.143

A.2 Comments