

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6181 - L2 Version 3
Chandra X-Ray Center

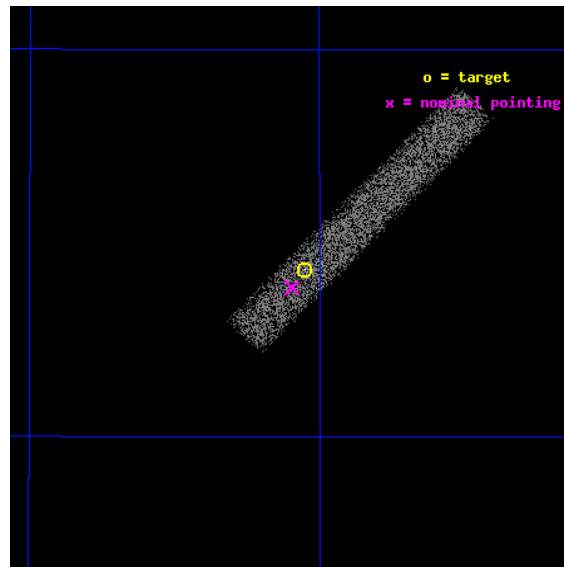
L2 Processing Date : Dec 17 2012

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1 Front

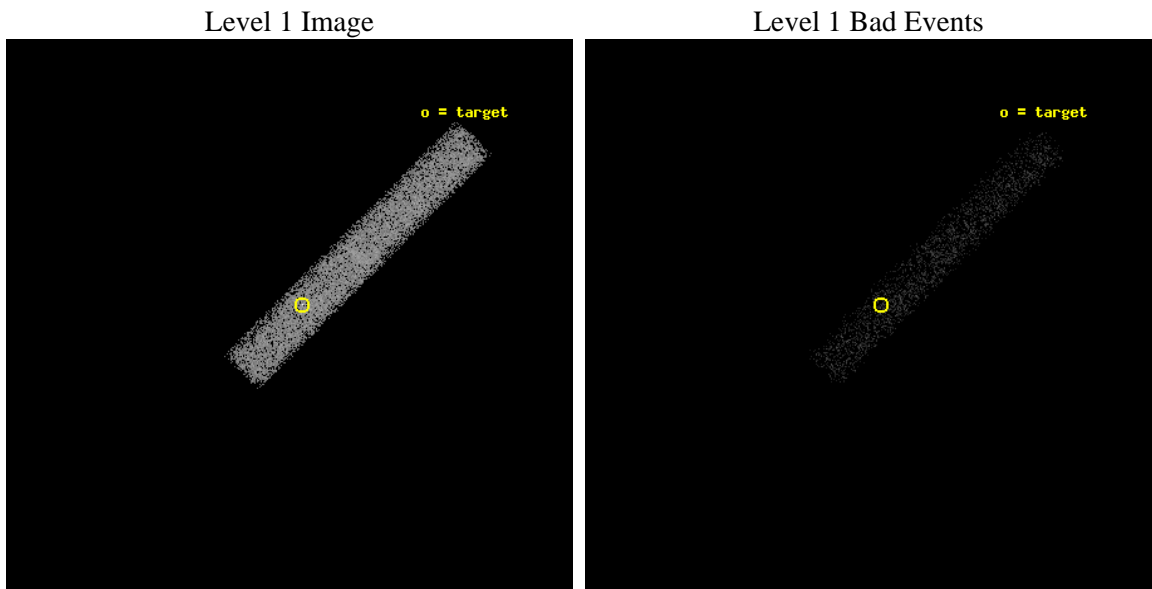
seq_num	400447	Sequence number
obs_id	6181	Observation id
title	Following the decay of the new accretion powered msec pulsar IGR J00291+5934	Proposal title
observer	dr Peter Jonker	Principal investigator
object	IGR J00291+5934	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.262917	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.2739190744966	Nominal RA [deg]
dec_nom	59.564000842221	Nominal Dec [deg]
roll_nom	315.04537369547	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14182.80021131	Sum of GTIs [s]
livetime	12863.051162081	Livetime [s]
ontime7	14182.80021131	Sum of GTIs [s]
l2events	8388	Number of level 2 events



2 OBI

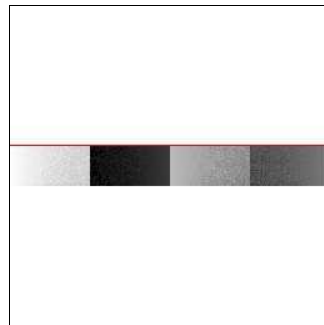
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	14182.80021131	Sum of GTIs [s]
caldbver	4.5.5	 	ontime7	14182.80021131	Sum of GTIs [s]
date	2012-12-17T02:24:25	Date and time of file creation	l1events	19757	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

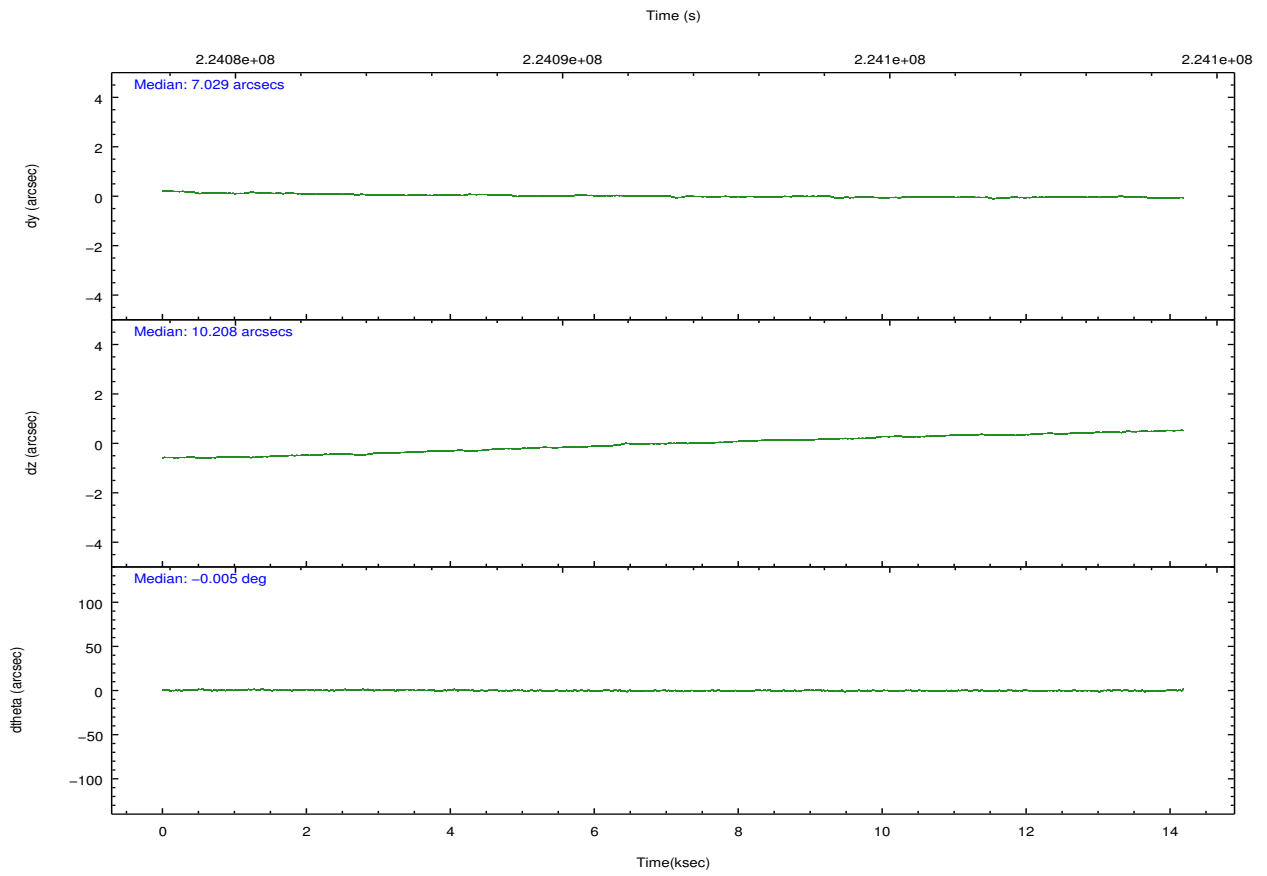
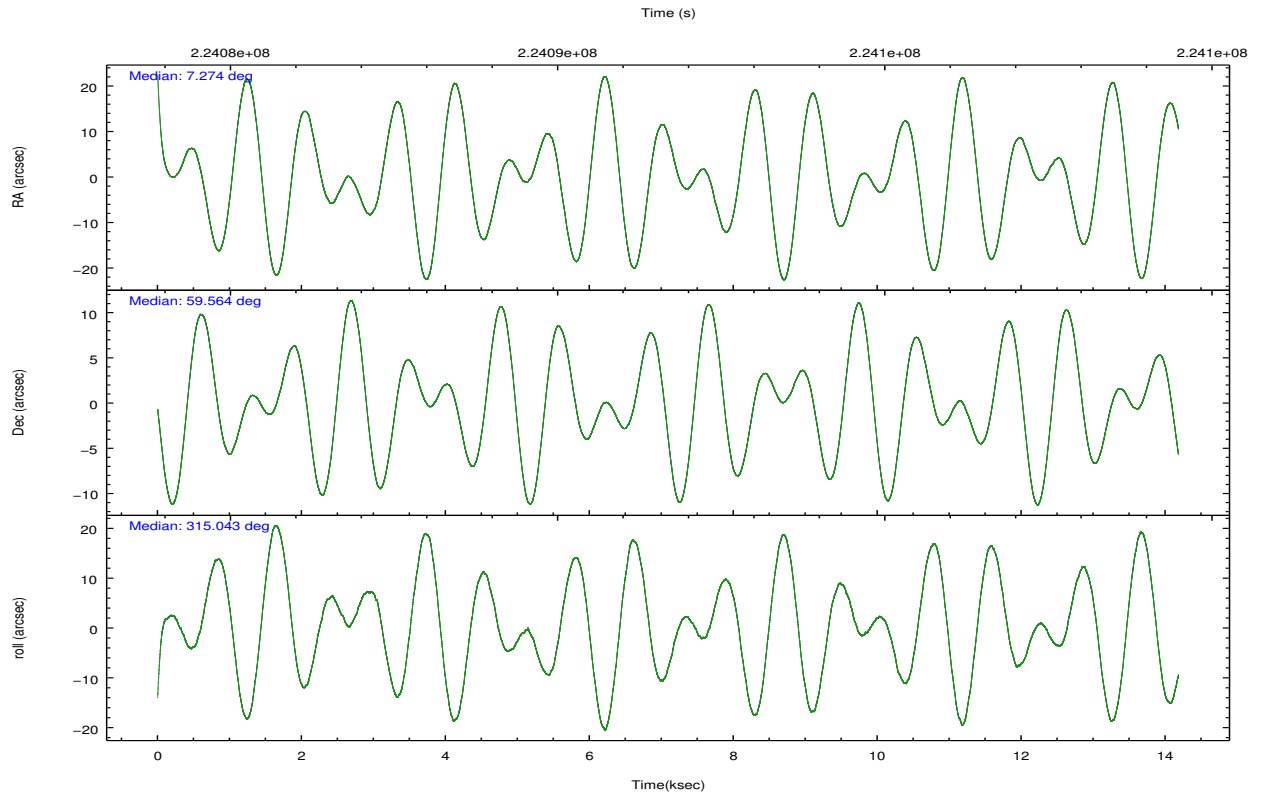
	ccd 7
level 1 events	19757
rejected events	11016
rejected %	55%

	ccd 7
grade 0 events	997
	5%
grade 1 events	24
	0%
grade 2 events	1740
	8%
grade 3 events	1175
	5%
grade 4 events	1148
	5%
grade 5 events	1864
	9%
grade 6 events	4180
	21%
grade 7 events	8629
	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	7.221730	7.273919074496632	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.570678	59.56400084222116	Subarray start row	449	449
[deg] Pointing Roll	314.933740	315.0453736954714	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	224084778.184000	224083744.15458			
Observation start date	2005-02-06T13:45:14	2005-02-06T13:29:04			
[s] Observation end time (MET)	224098778.184000	224099417.43029			
Observation end date	2005-02-06T17:38:34	2005-02-06T17:50:17			
Read mode	TIMED	TIMED			

2.3 Aspect

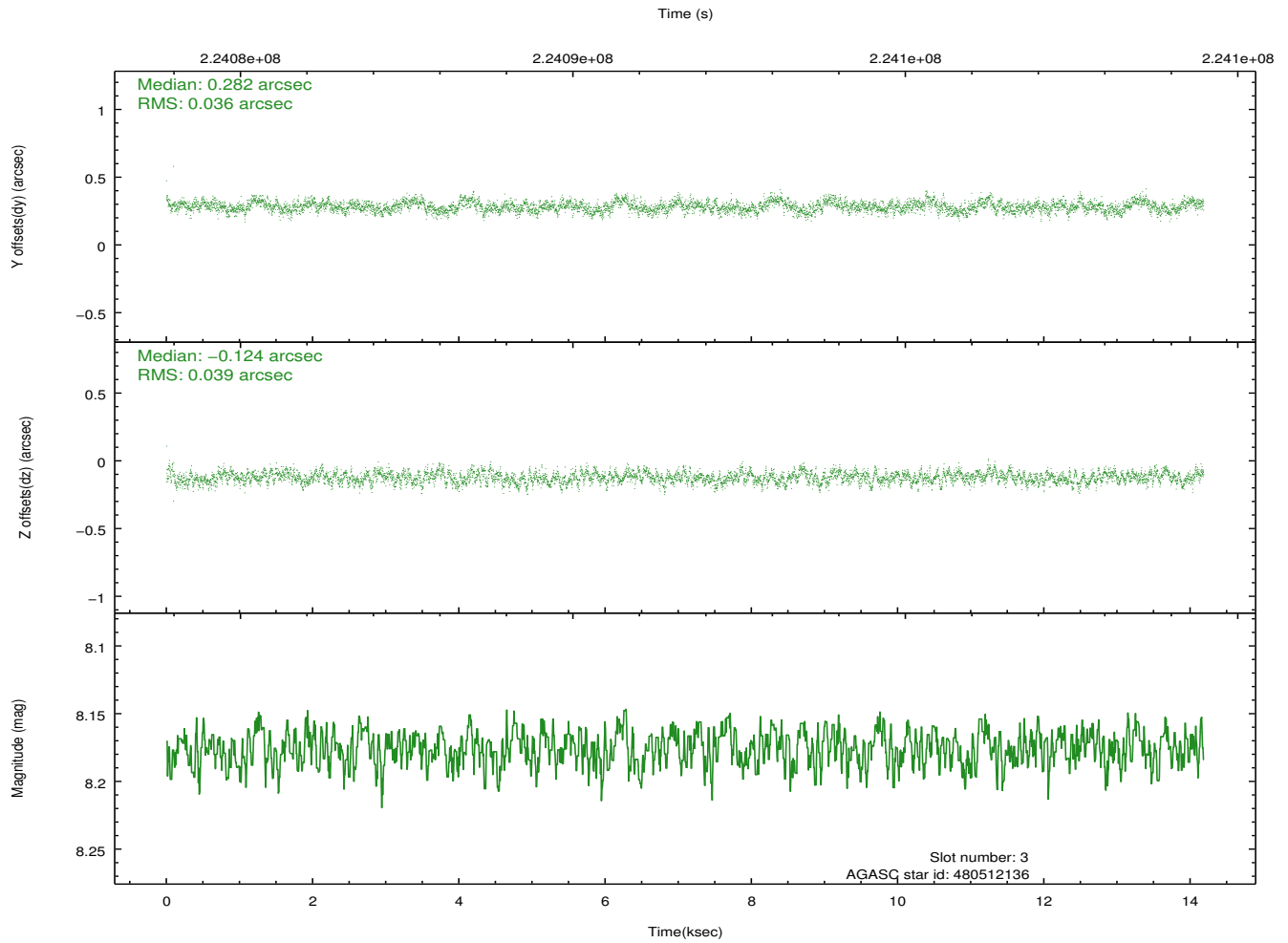
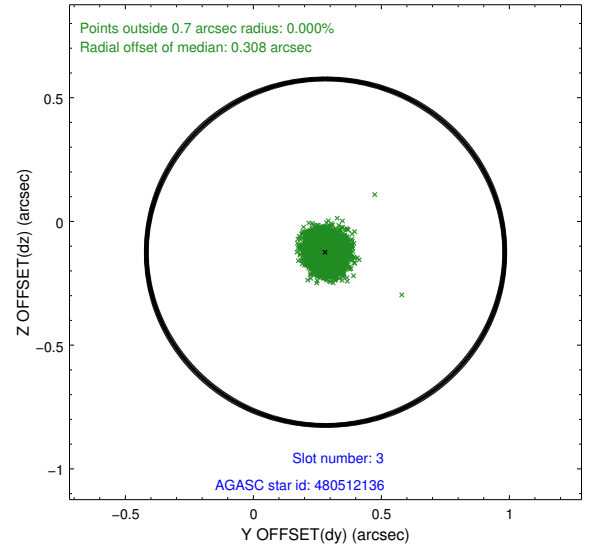
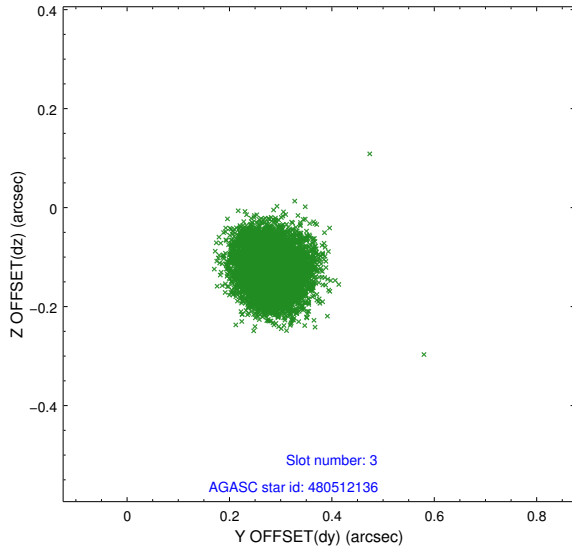


Slot Statistics

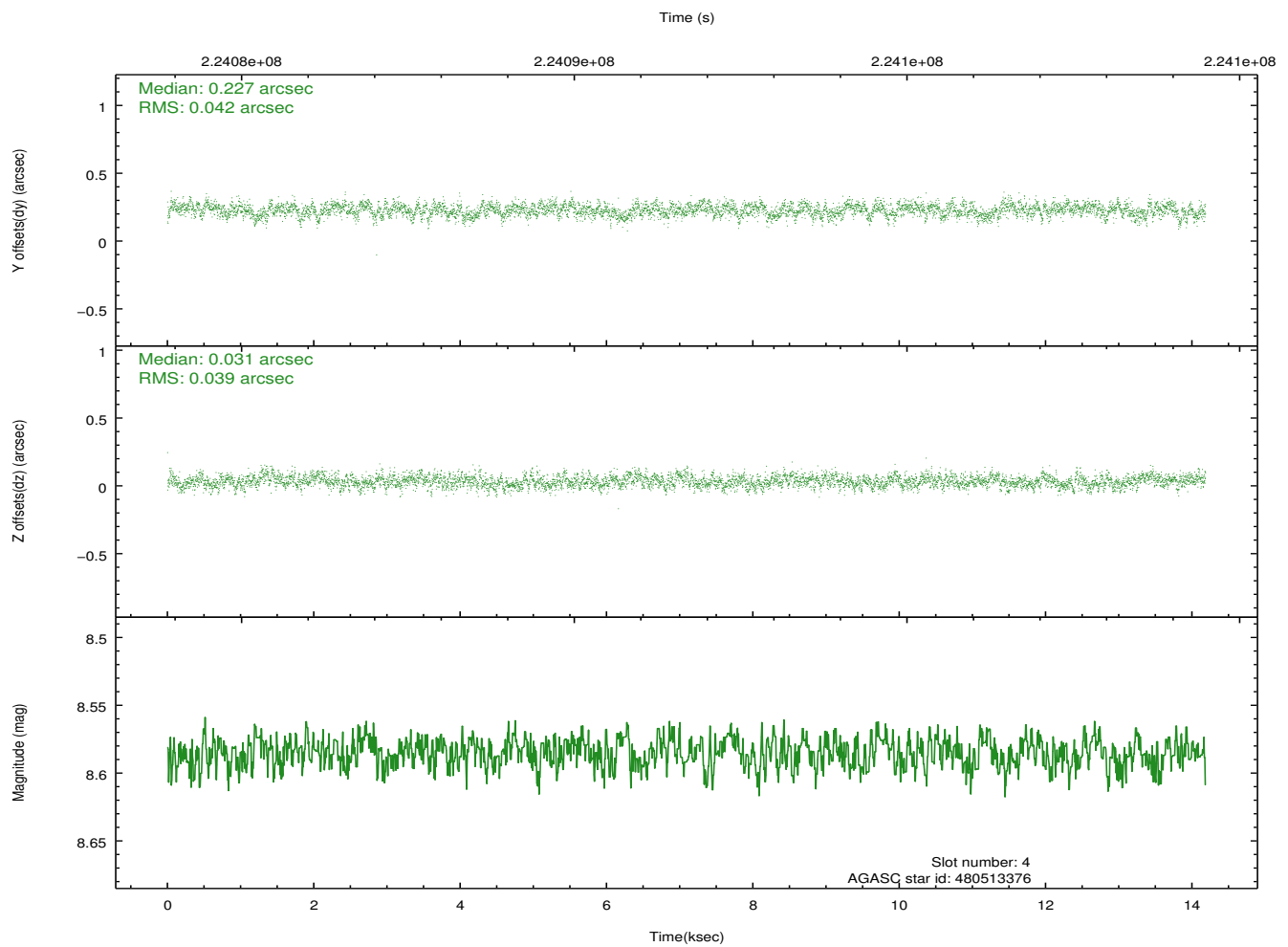
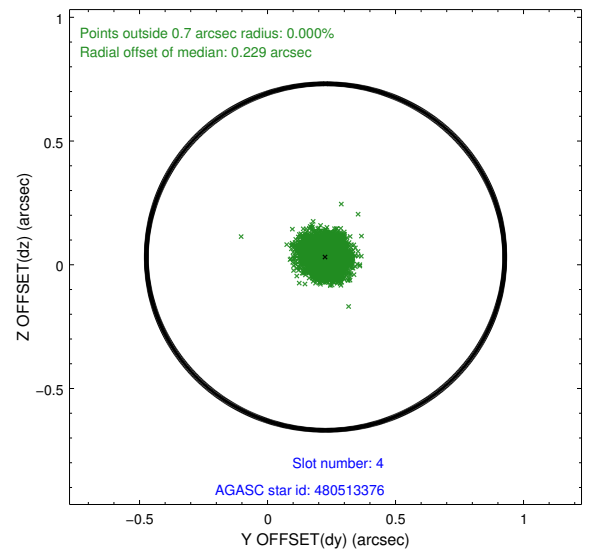
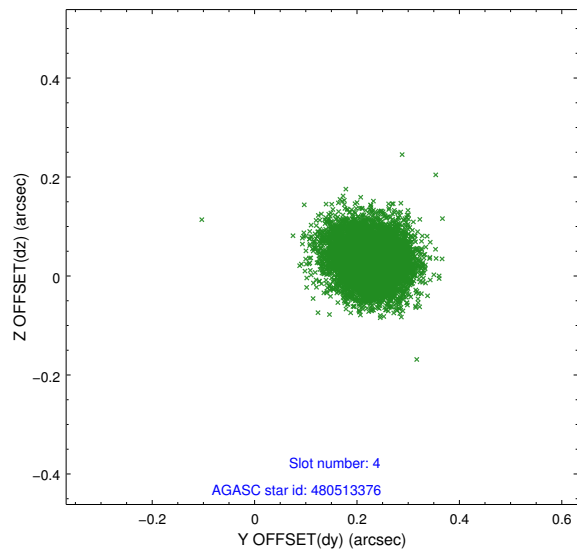
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3460	-0.057	-0.033	0.010	0.019	0.000000	0.000000	-759.82	-1731.43
1	FID	ACIS-S-4	7.21	3460	0.103	0.036	0.006	0.010	0.000000	0.000000	2153.43	176.84
2	FID	ACIS-S-5	7.23	3460	-0.077	0.005	0.011	0.020	0.000000	0.000000	-1812.30	170.78
3	GUIDE	480512136	8.18	6916	0.282	-0.124	0.057	0.090	7.475231	59.254866	1134.28	-472.07
4	GUIDE	480513376	8.59	6919	0.227	0.031	0.061	0.097	7.508901	59.105688	1559.81	-805.59
5	GUIDE	526280320	8.97	6918	-0.106	-0.037	0.071	0.117	6.438381	60.009492	-2119.47	123.57
6	GUIDE	480379256	9.01	6917	-0.253	0.001	0.079	0.128	5.631259	59.673209	-2327.71	-1761.41
7	GUIDE	526276608	8.60	6916	-0.150	0.128	0.066	0.104	7.524994	60.151139	-1096.80	1861.38

2.4 Star Slots

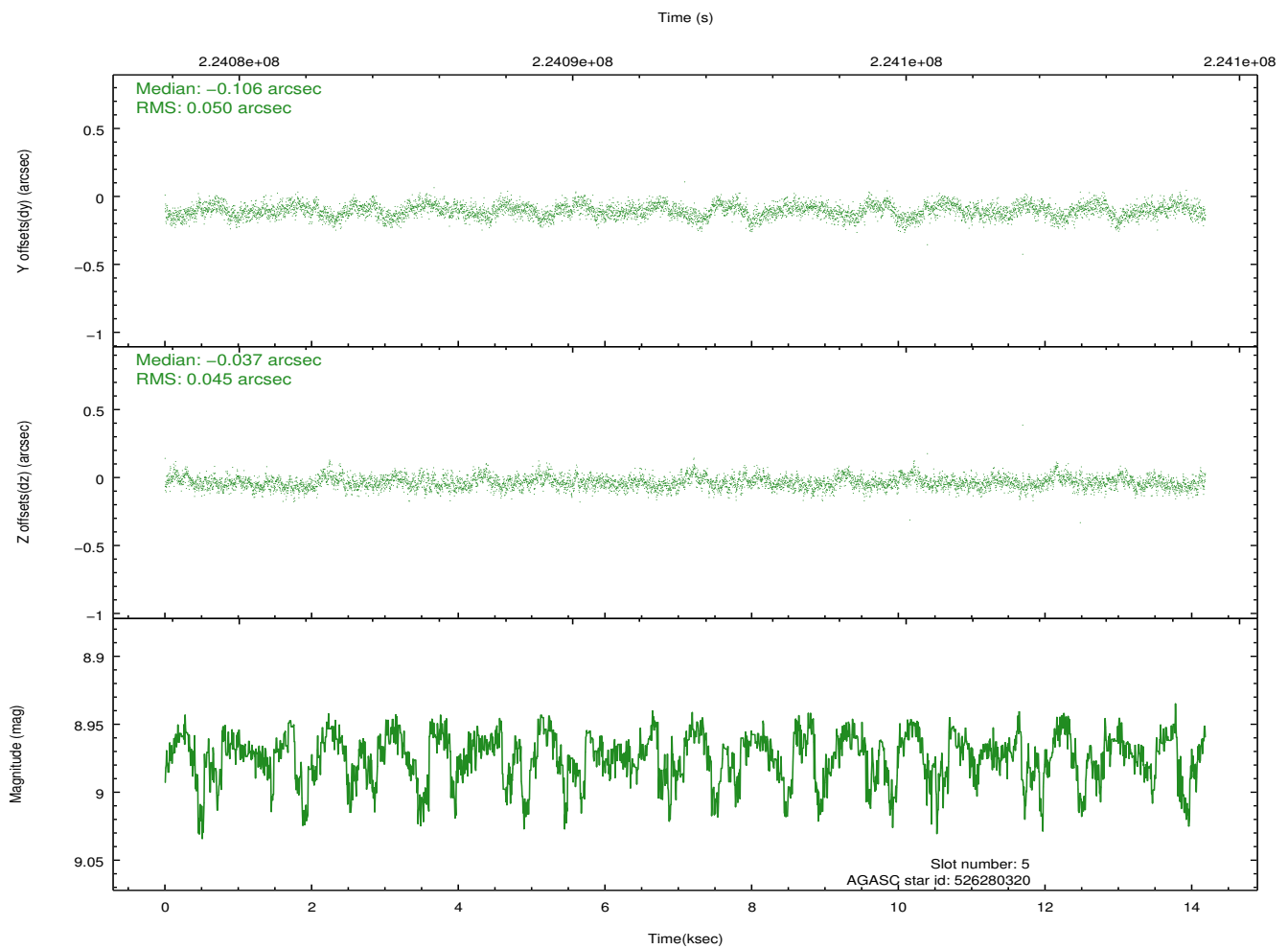
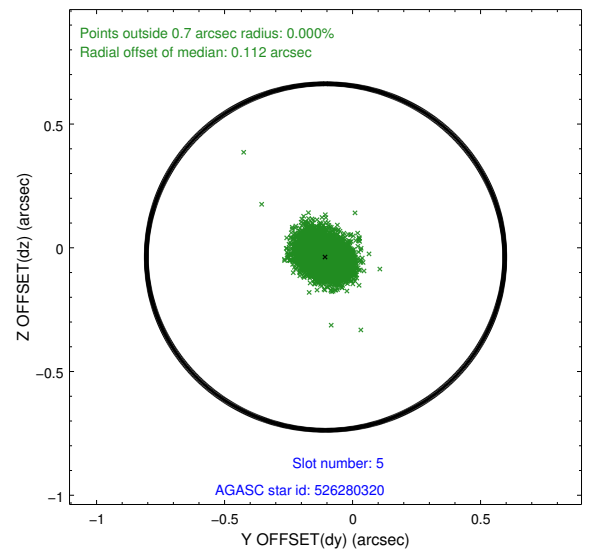
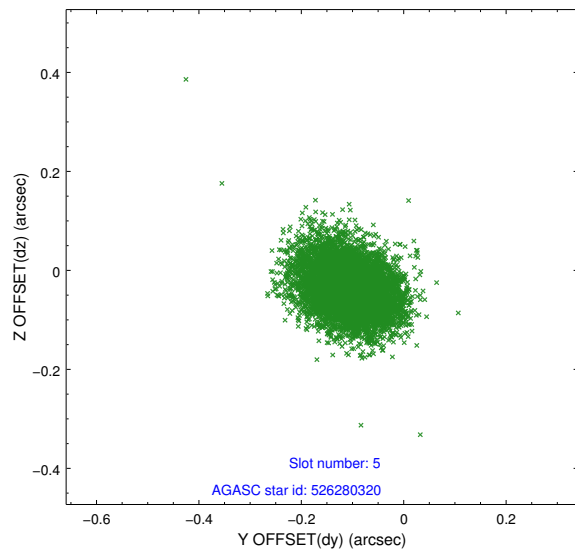
2.4.1 Slot 3



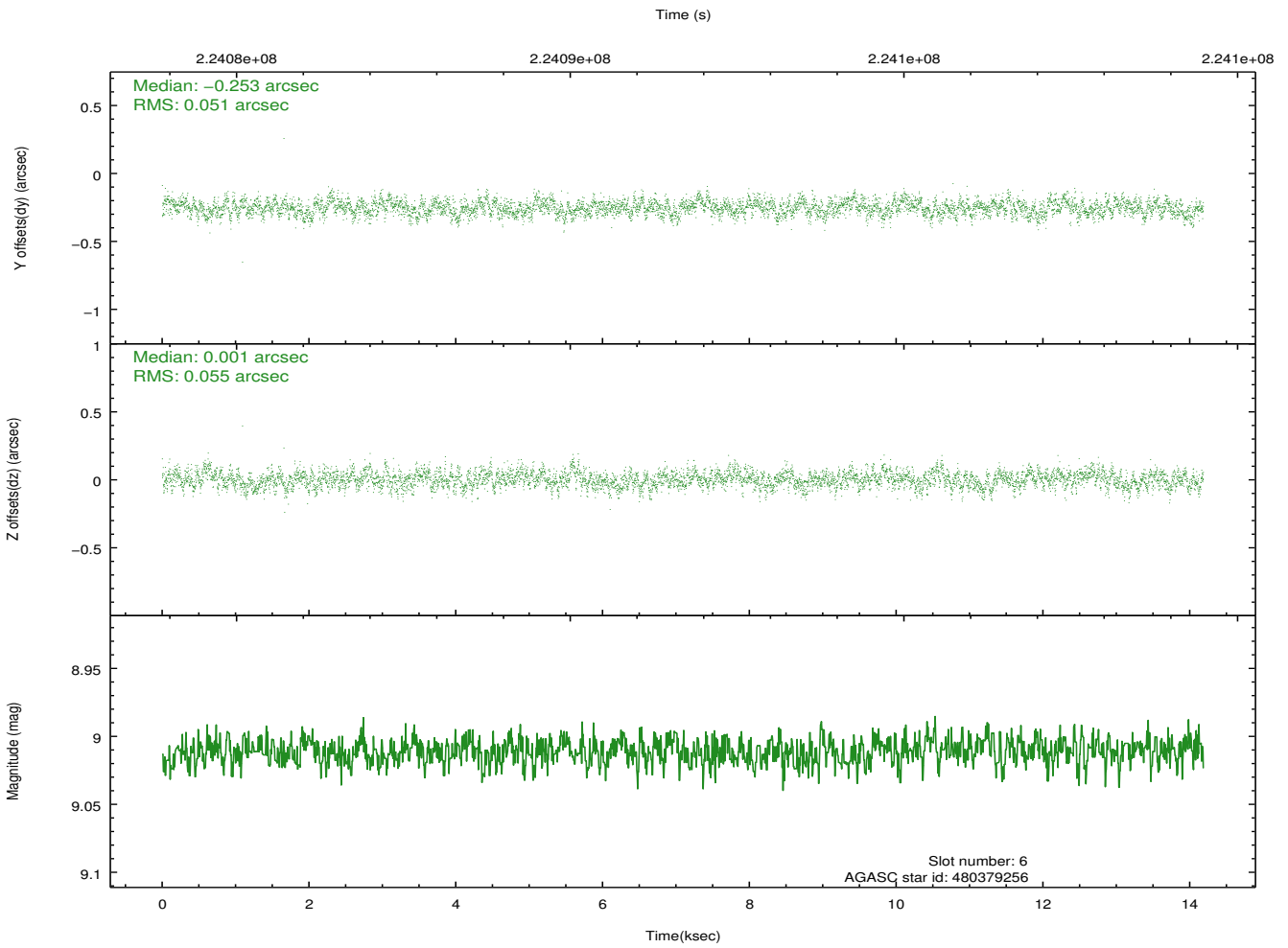
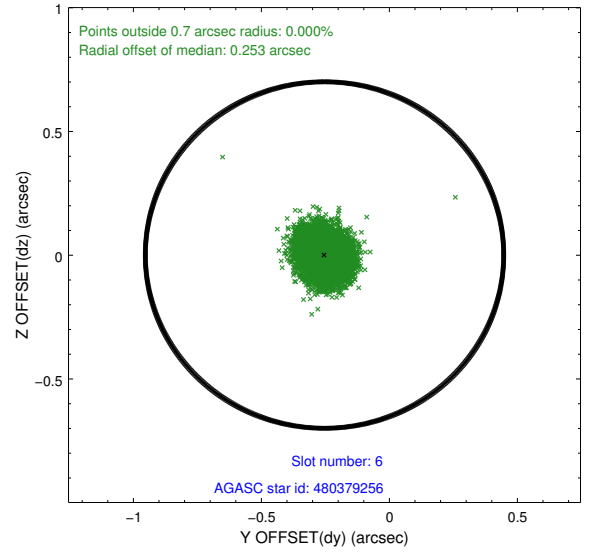
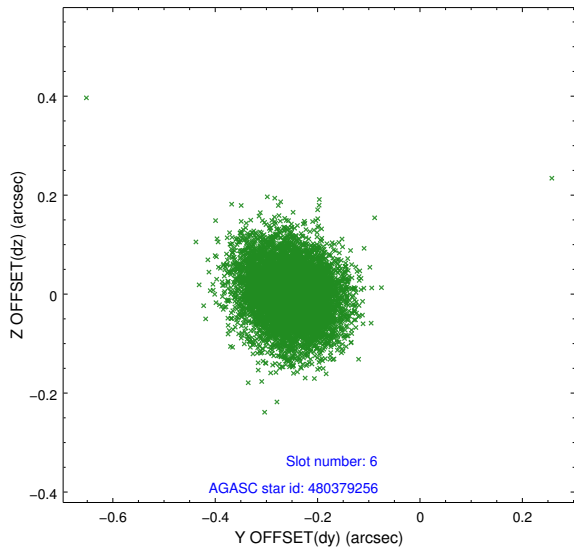
2.4.2 Slot 4



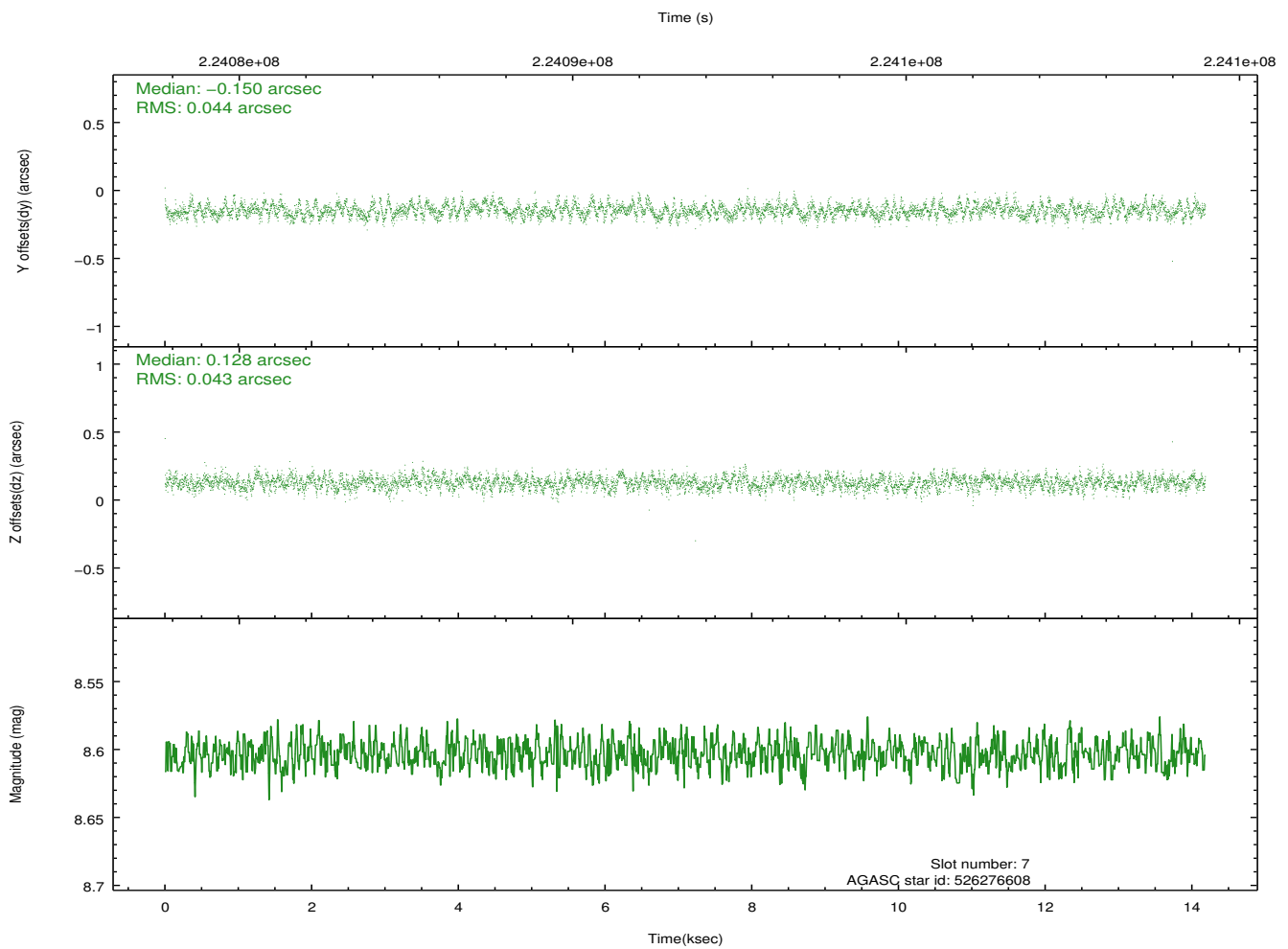
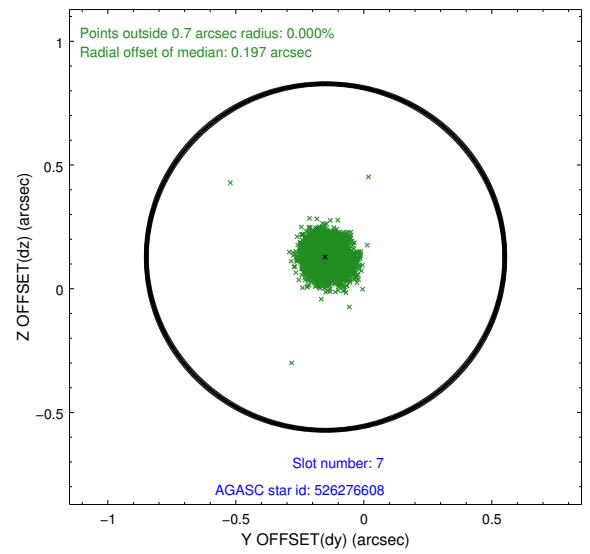
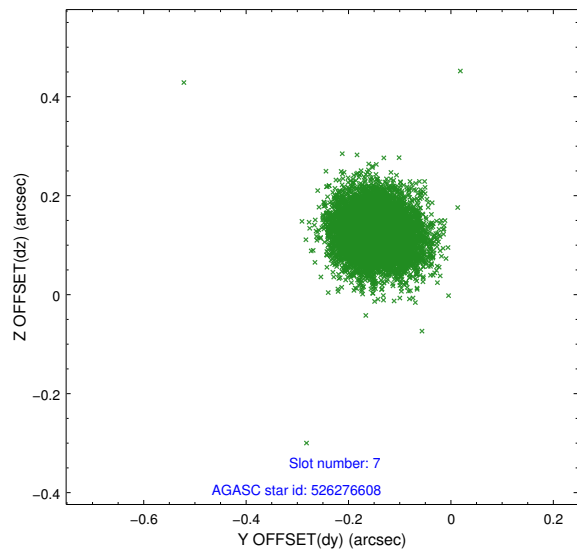
2.4.3 Slot 5



2.4.4 Slot 6

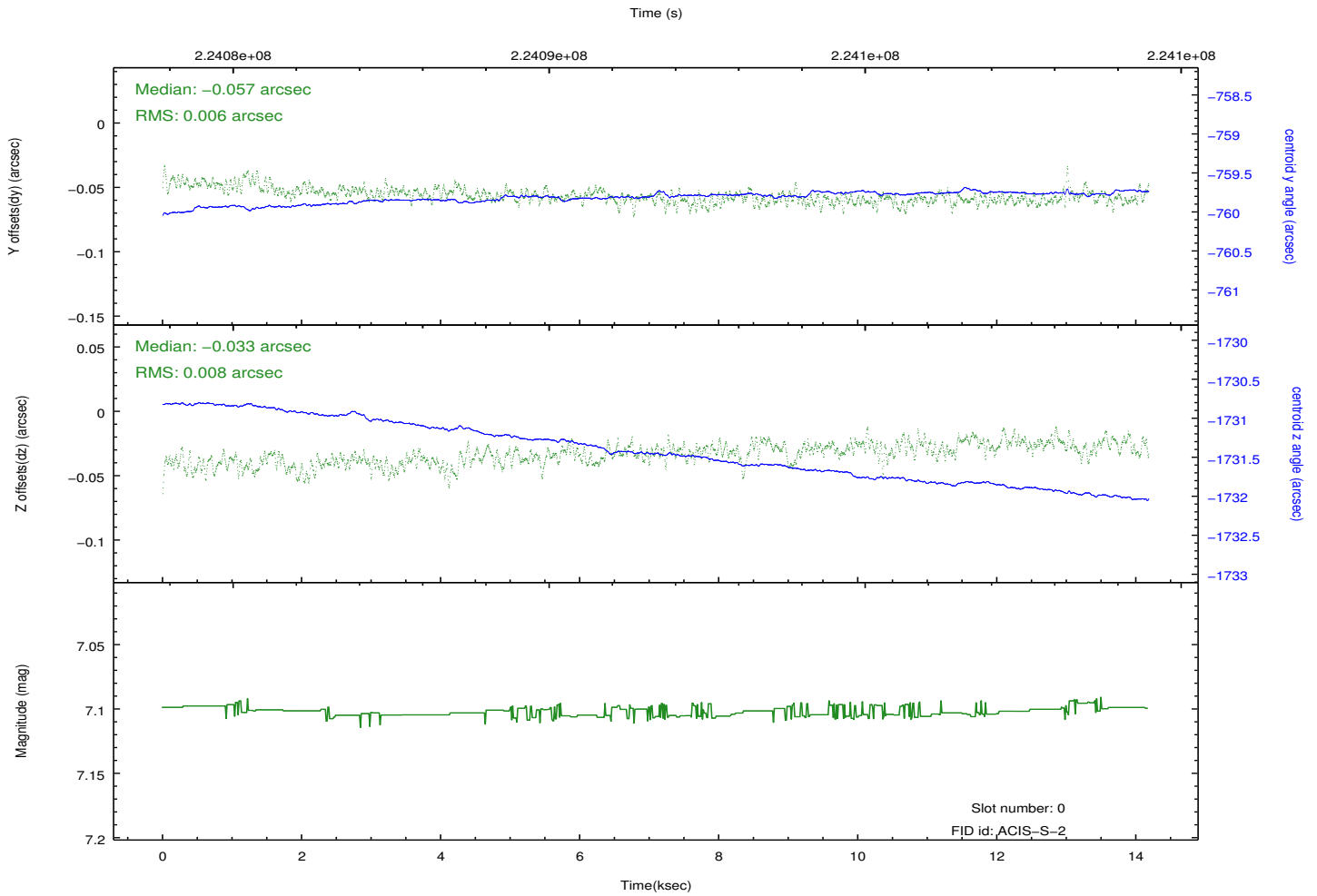
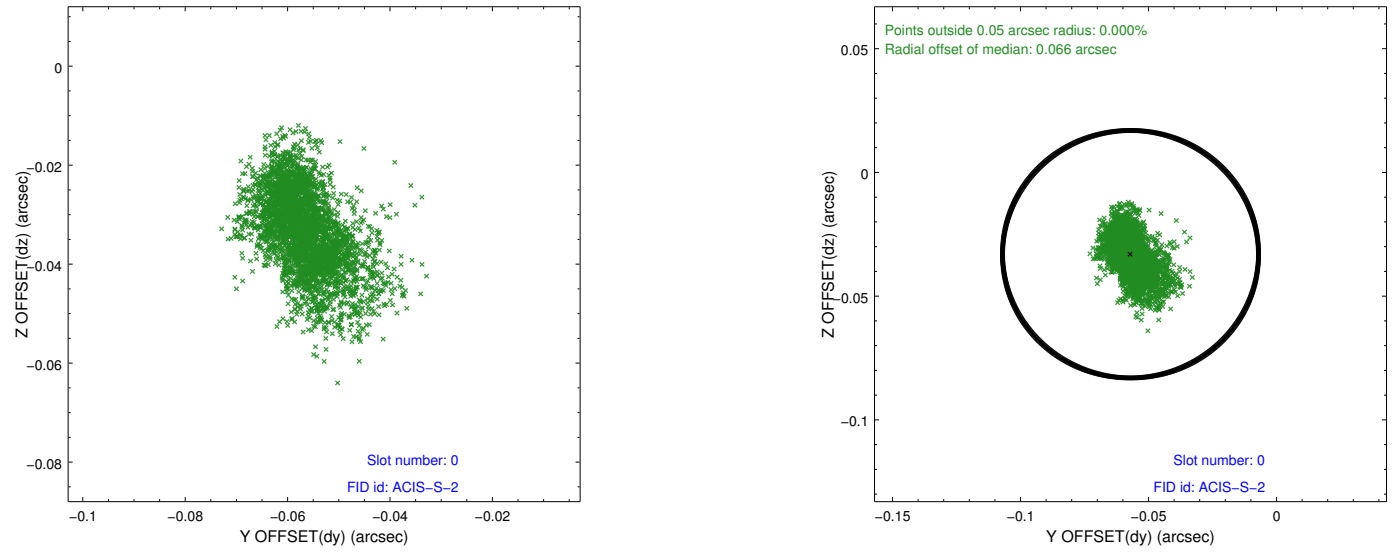


2.4.5 Slot 7

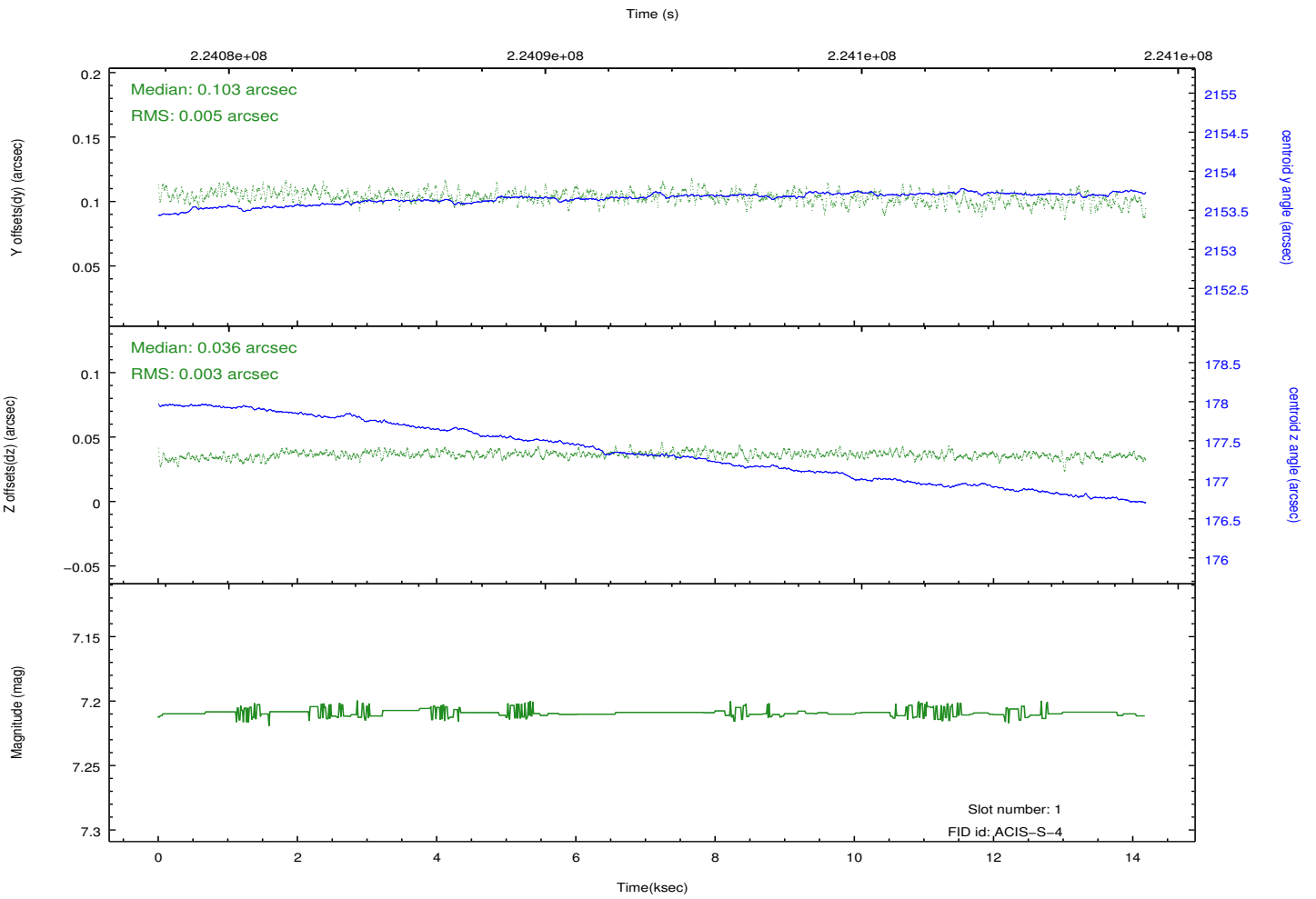
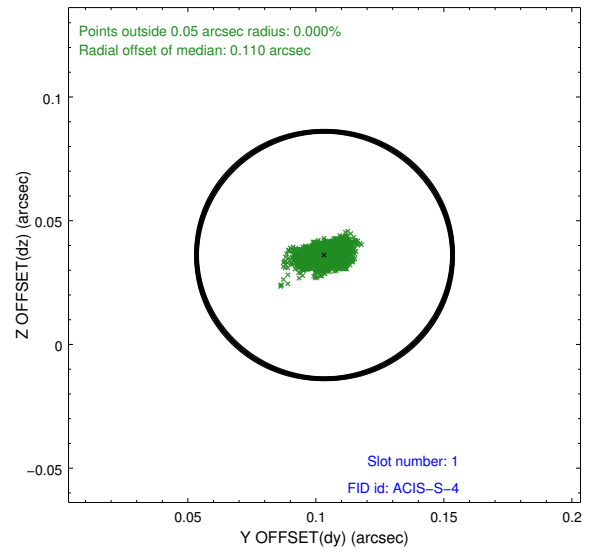
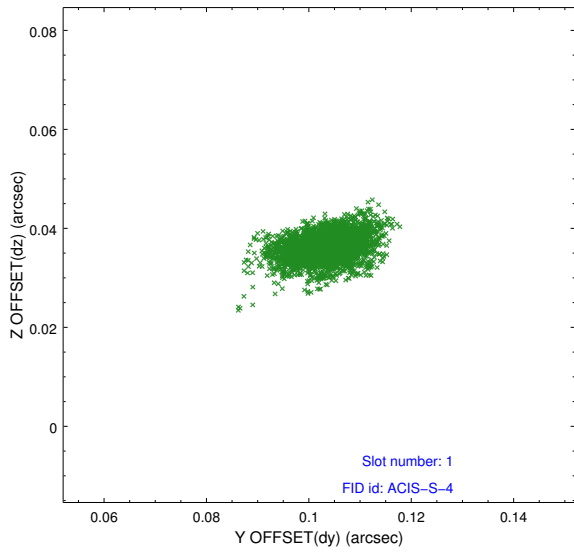


2.5 FID Slots

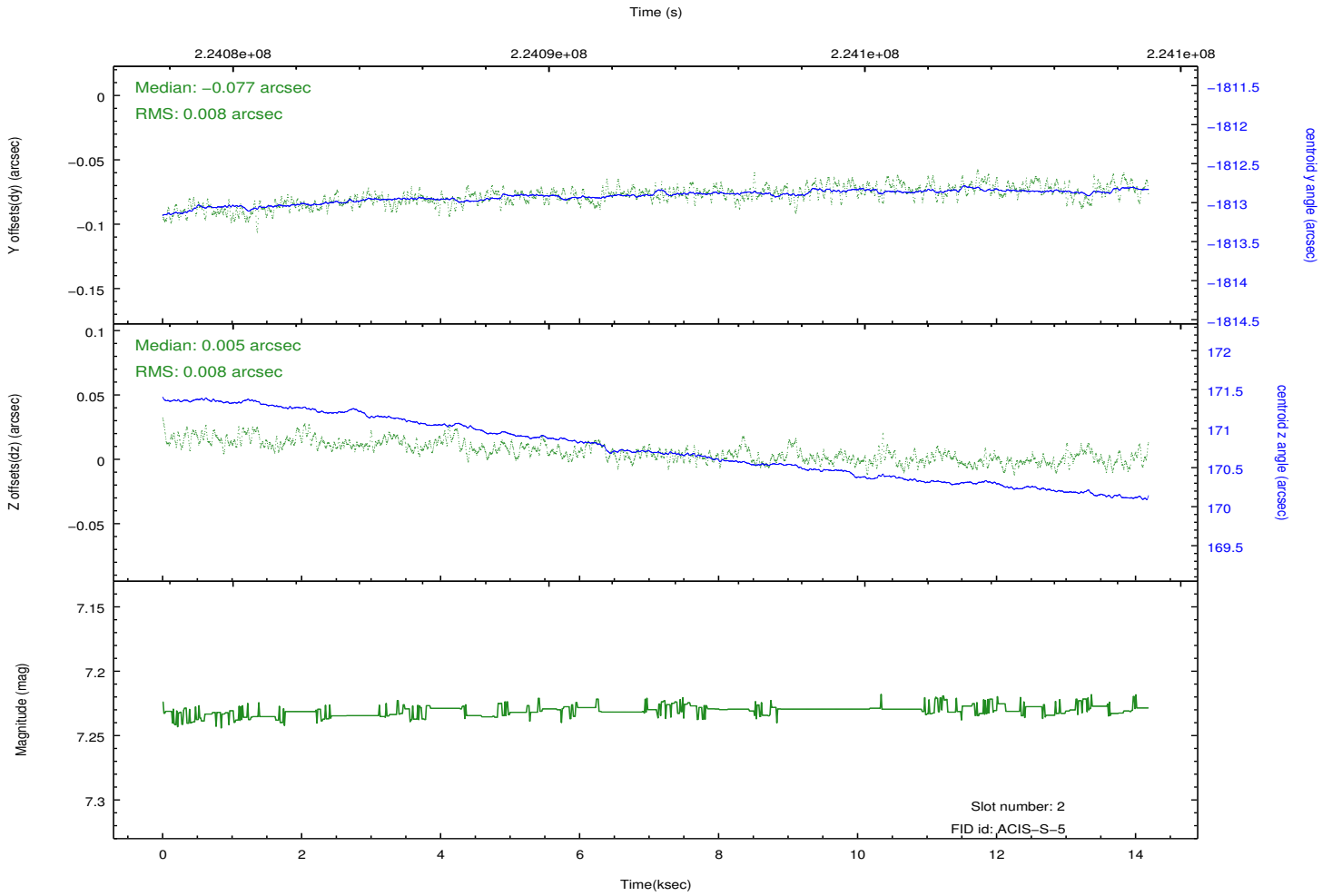
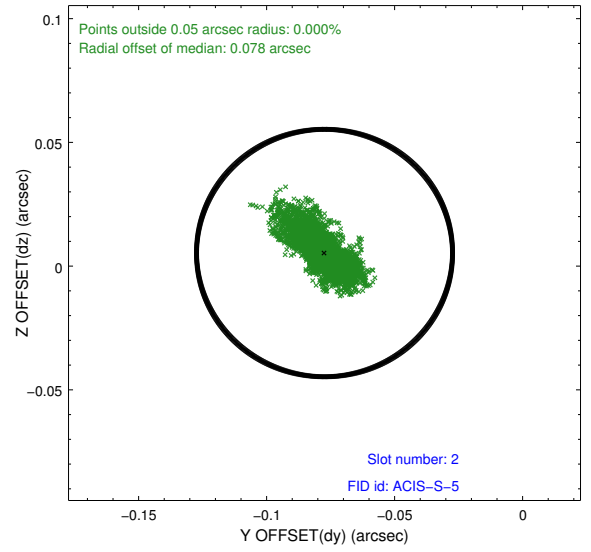
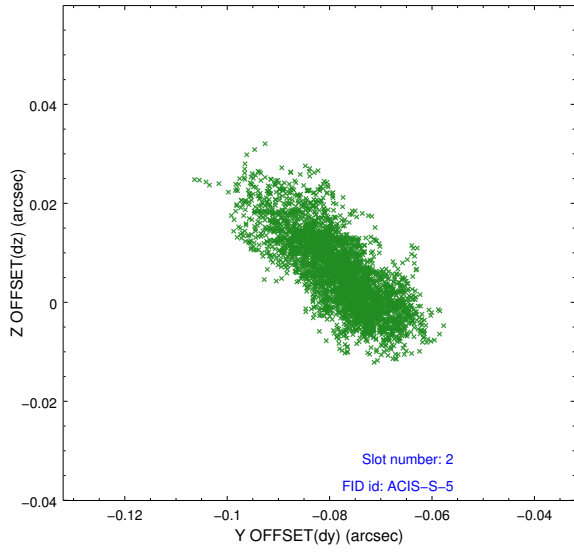
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.1828

A.2 Comments