

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7516 - L2 Version 2
Chandra X-Ray Center

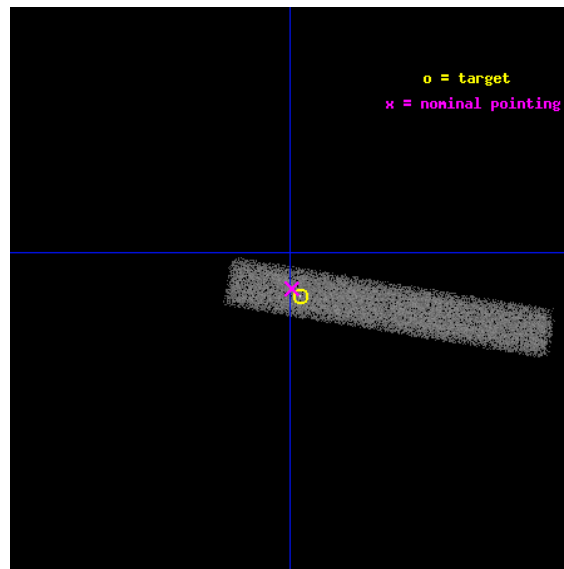
L2 Processing Date : May 16 2012

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

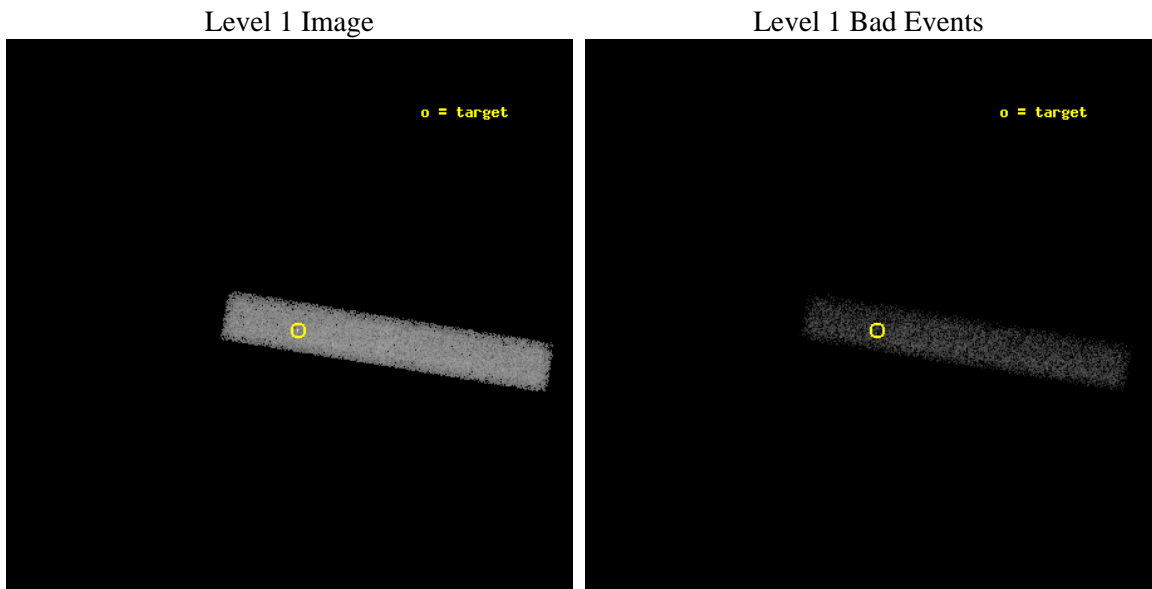
seq_num	400626	Sequence number
obs_id	7516	Observation id
title	From Super-Eddington to zero: following a Z source into quiescence	
observer	Dr Jeroen Homan	Principal investigator
object	XTE J1701-462	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.243583	Observer's specified target RA [deg]
dec_targ	-46.185723	Observer's specified target Dec [deg]
ra_nom	255.24888251907	Nominal RA [deg]
dec_nom	-46.182557262105	Nominal Dec [deg]
roll_nom	9.154637694486	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30179.19820118	Sum of GTIs [s]
livetime	27370.939779775	Livetime [s]
ontime7	30179.19820118	Sum of GTIs [s]
l2events	23800	Number of level 2 events



2 OBI

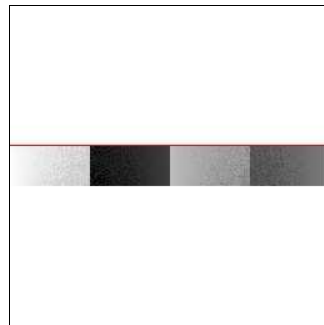
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30179.19820118	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	30179.19820118	Sum of GTIs [s]
date	2012-05-16T02:55:19	Date and time of file creation	l1events	55120	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

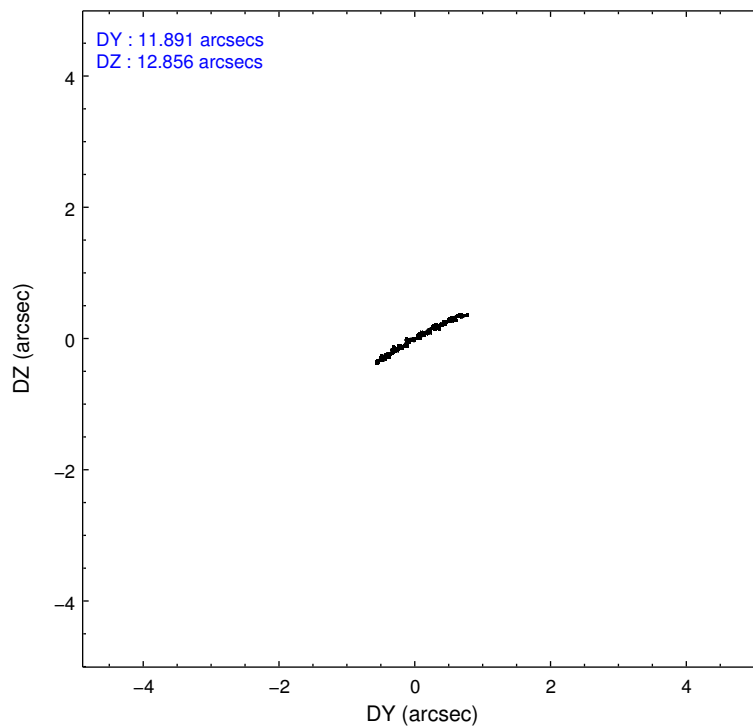
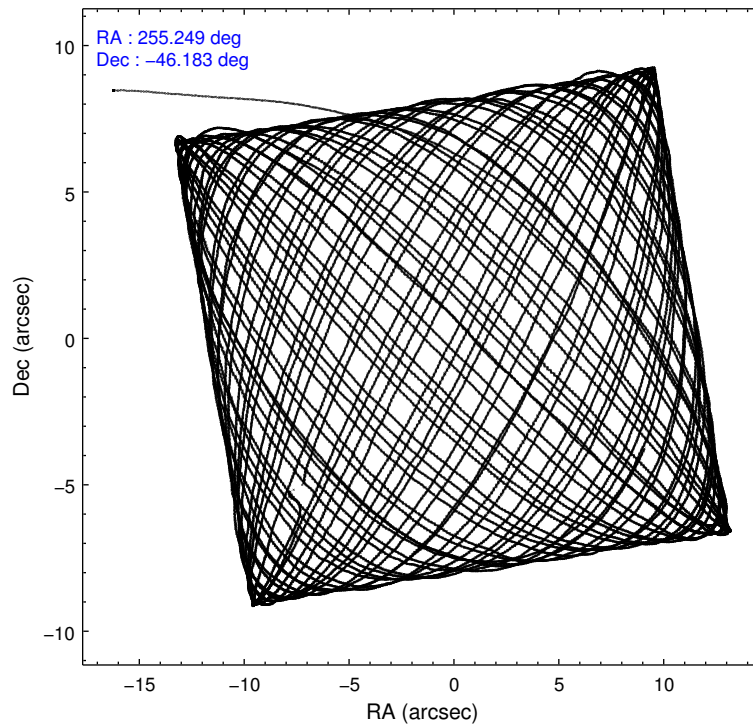
	ccd 7
level 1 events	55120
rejected events	30388
rejected %	55%

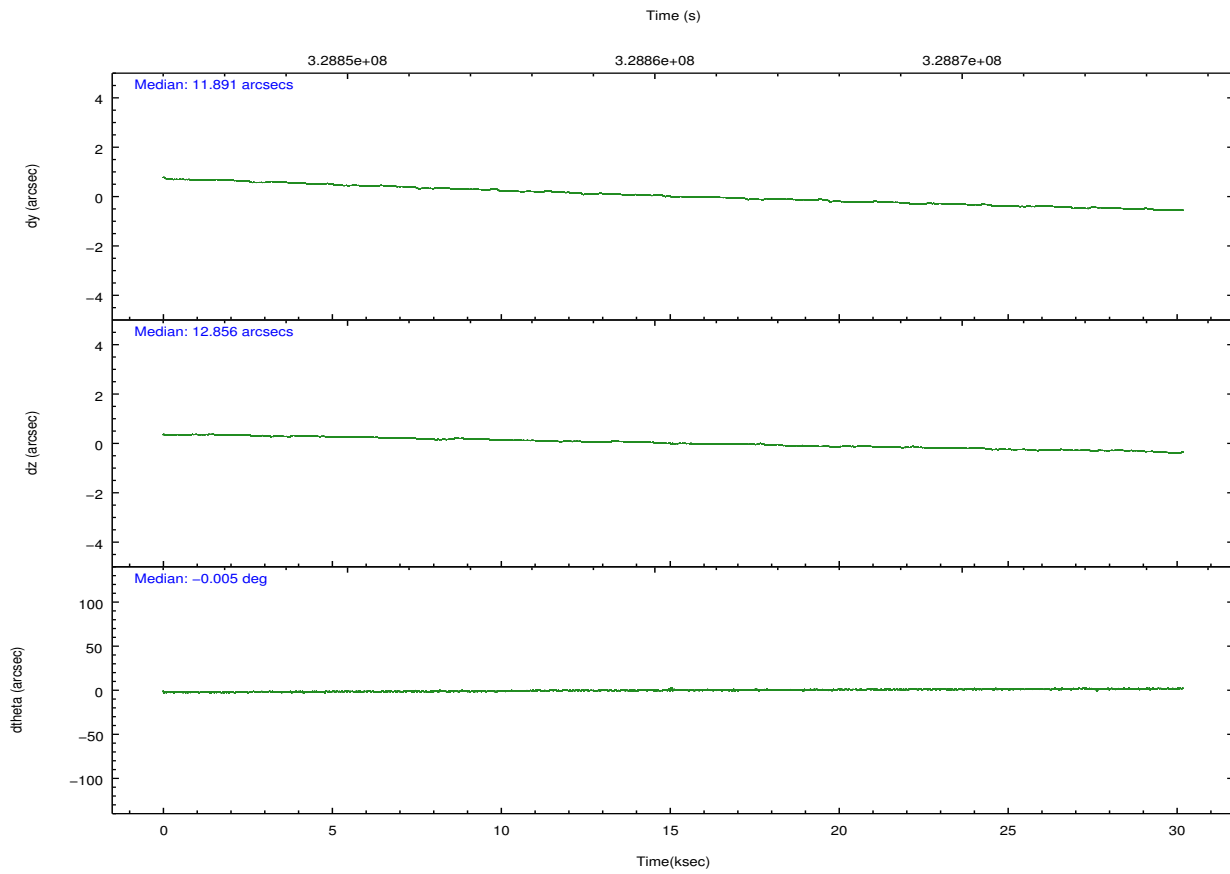
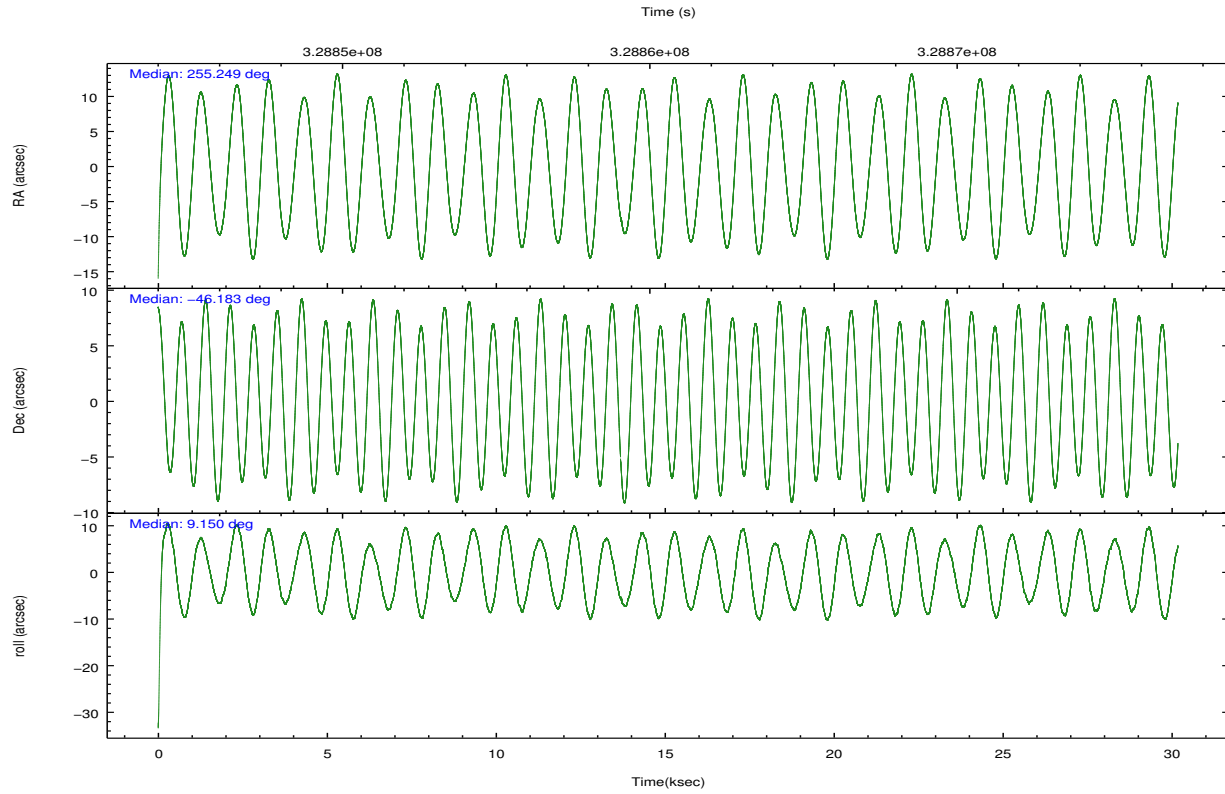
	ccd 7
grade 0 events	2586
	4%
grade 1 events	87
	0%
grade 2 events	5056
	9%
grade 3 events	3284
	5%
grade 4 events	3132
	5%
grade 5 events	5178
	9%
grade 6 events	11585
	21%
grade 7 events	24212
	43%

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	255.218598	255.248825190685	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-46.200104	-46.18255726210452	Subarray start row	449	449
[deg] Pointing Roll	8.976160	9.154637694486013	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)	328845676.184000	328844412.21262			
Observation start date	2008-06-03T02:00:11	2008-06-03T01:40:12			
[s] Observation end time (MET)	328875676.184000	328876021.16417			
Observation end date	2008-06-03T10:20:11	2008-06-03T10:27:01			
Read mode	TIMED	TIMED			

2.3 Aspect





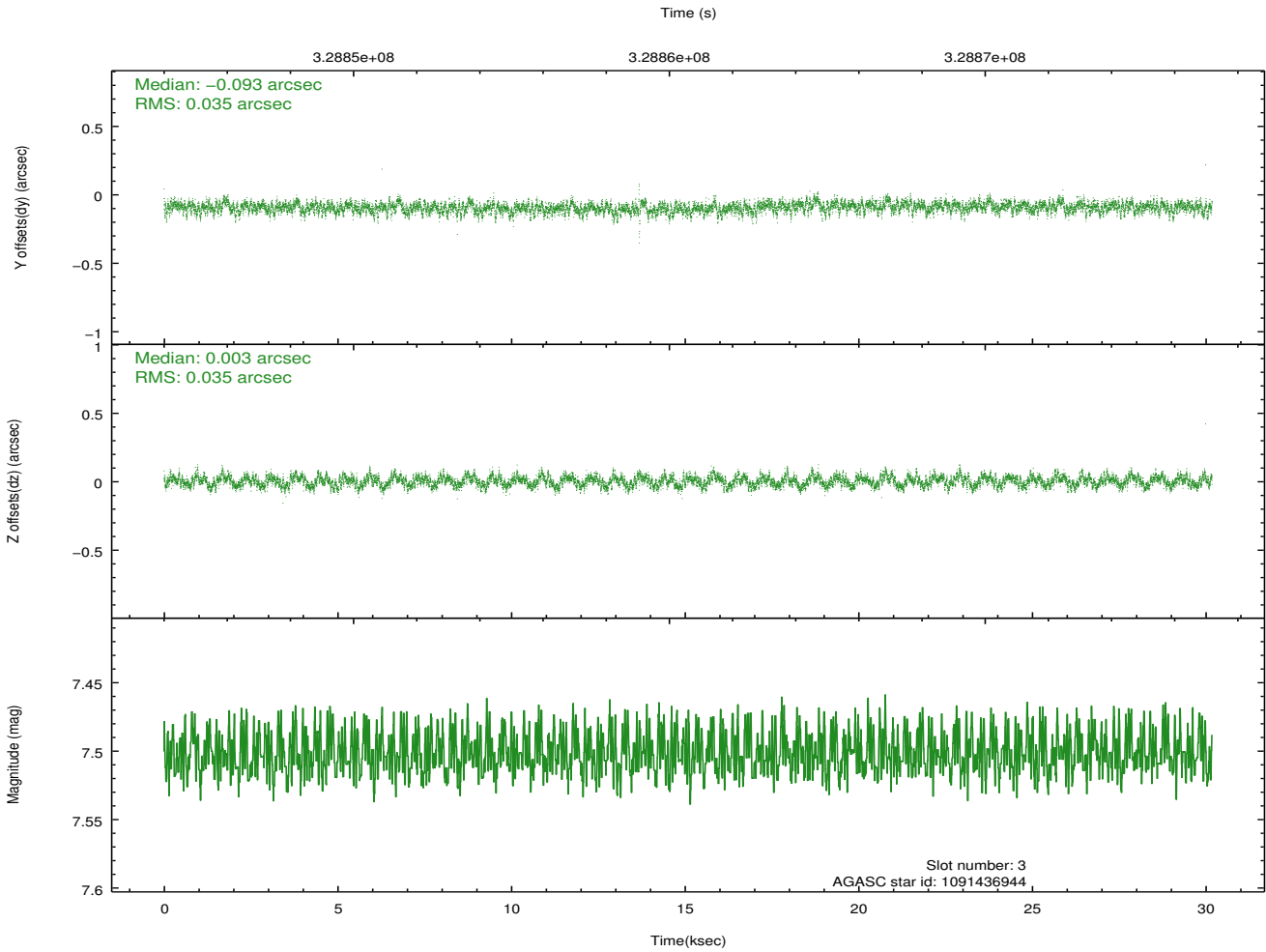
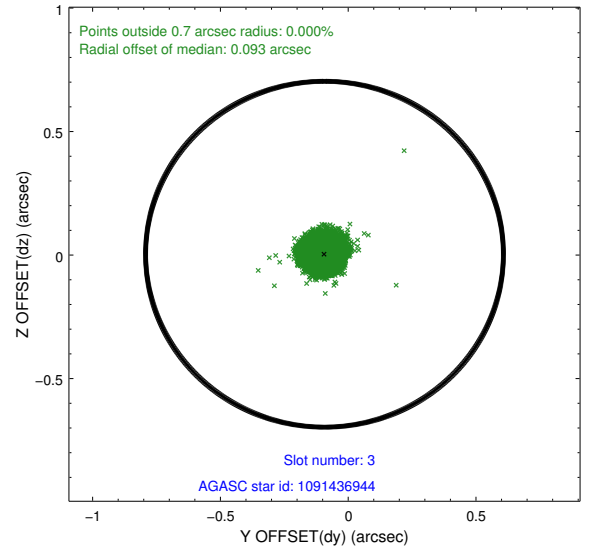
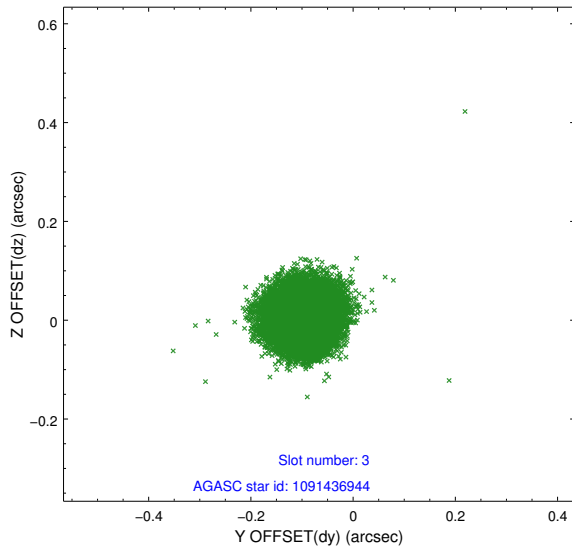
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	7360	0.098	-0.074	0.014	0.021	0.000000	0.000000	931.29	-1729.86
1	FID	ACIS-S-5	7.02	7361	-0.117	0.074	0.010	0.017	0.000000	0.000000	-1817.86	167.81
2	FID	ACIS-S-6	7.12	7356	-0.003	0.009	0.018	0.028	0.000000	0.000000	396.70	811.76
3	GUIDE	1091436944	7.50	14718	-0.093	0.003	0.053	0.082	255.747540	-46.187588	1308.62	-165.21
4	GUIDE	1091440288	8.54	14707	0.027	0.172	0.067	0.111	254.504918	-46.709153	-2026.98	-1543.13
5	GUIDE	1091447448	8.16	14718	0.071	0.025	0.073	0.115	254.918350	-46.482919	-893.98	-890.91
6	GUIDE	1091450176	8.25	14717	0.022	-0.016	0.066	0.105	254.533043	-45.982352	-1572.69	1034.57
7	GUIDE	1091443112	7.91	14720	-0.032	-0.180	0.067	0.106	254.637652	-45.920353	-1280.79	1216.50

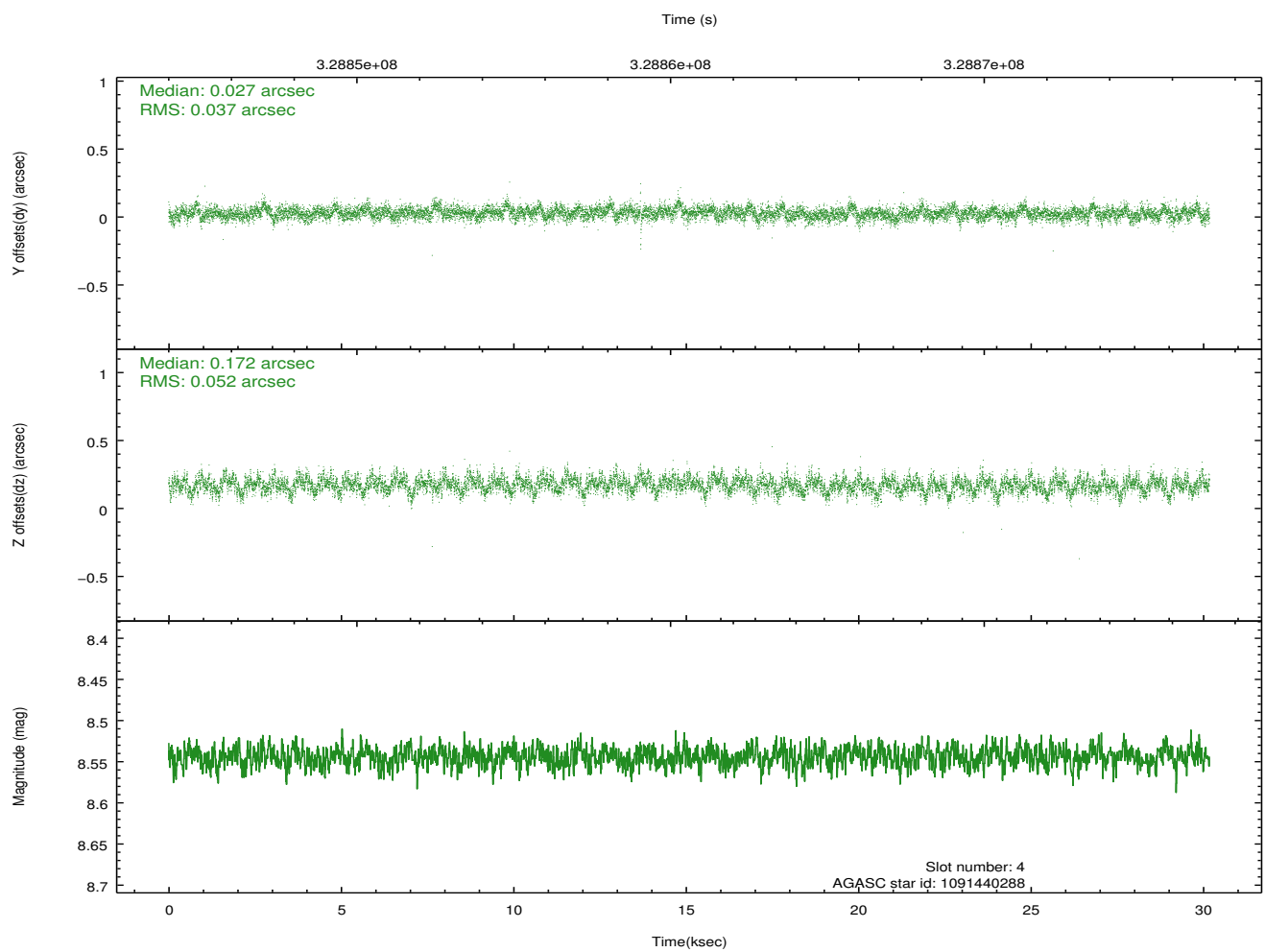
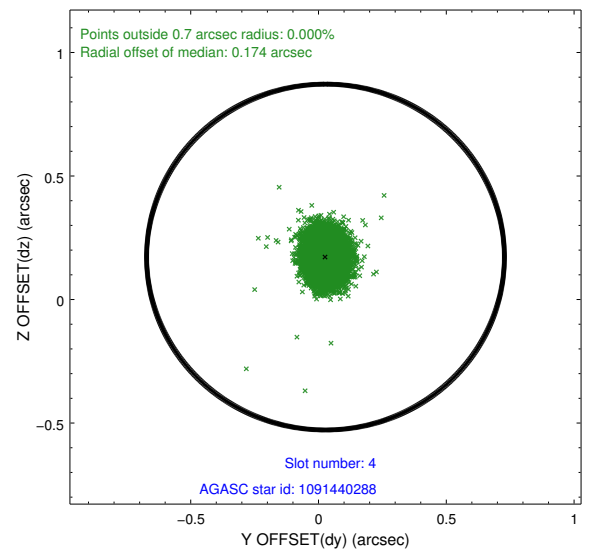
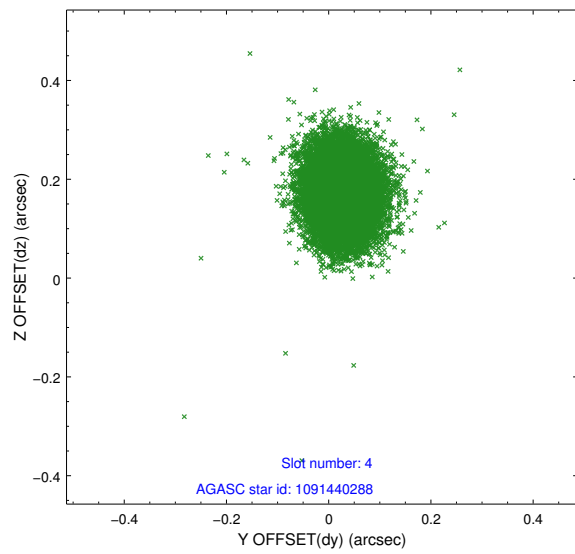
∞

2.4 Star Slots

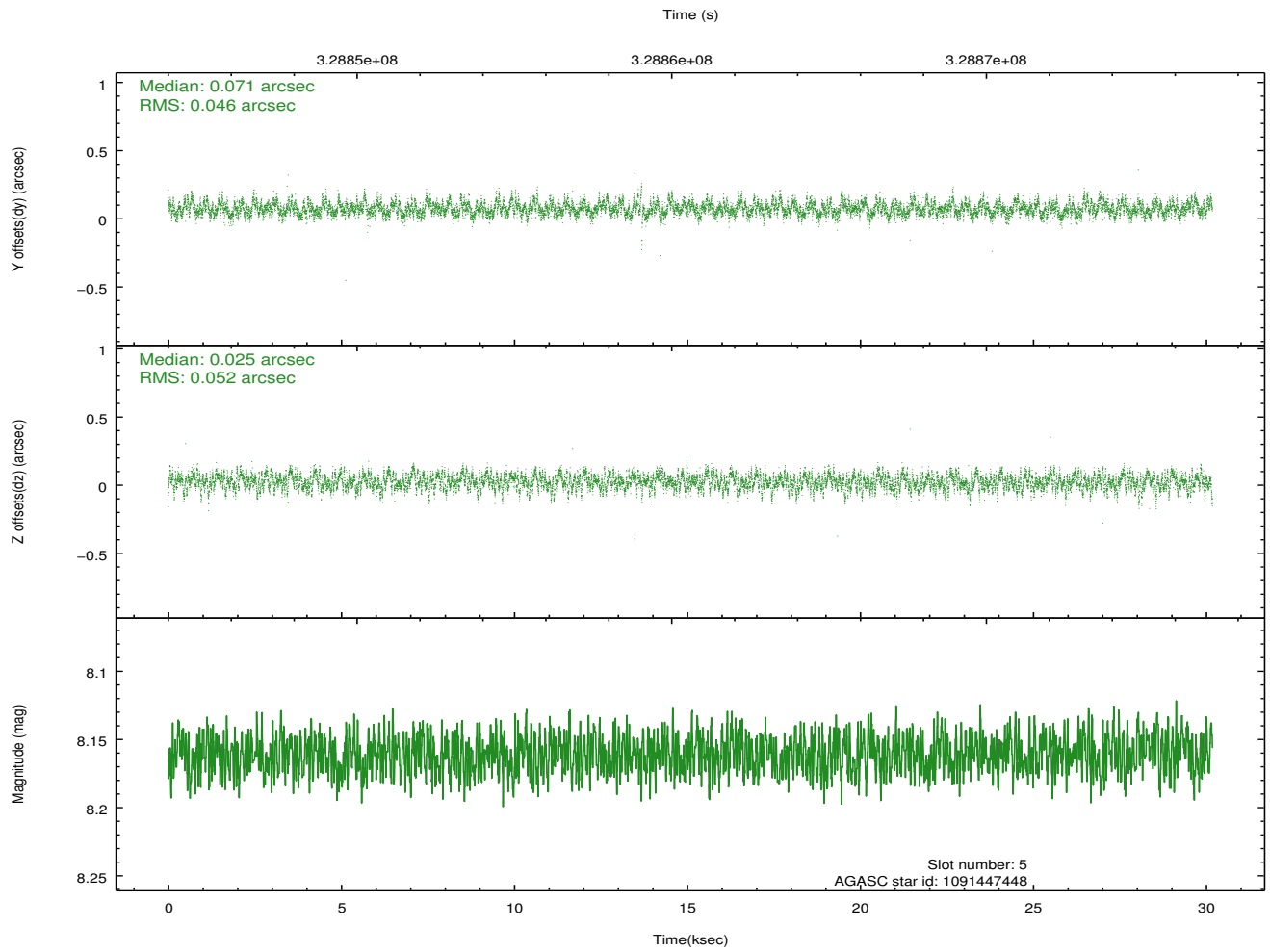
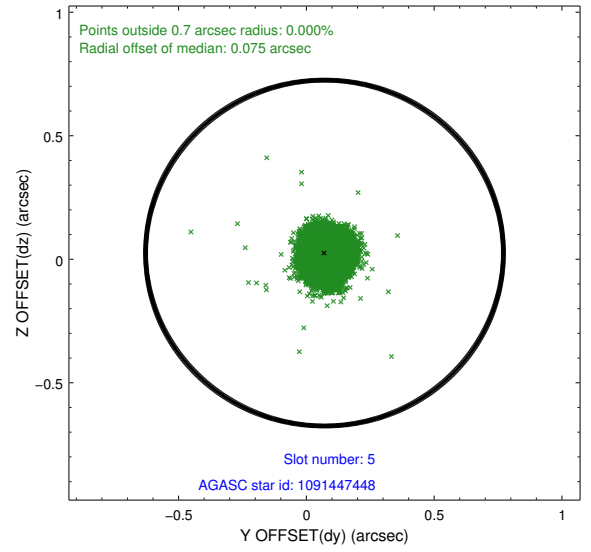
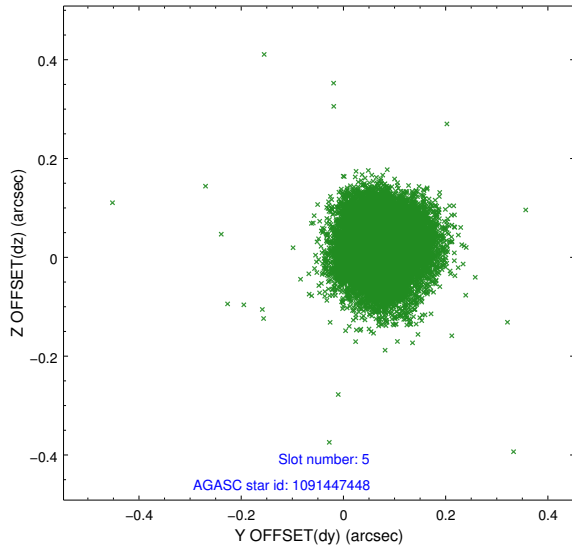
2.4.1 Slot 3



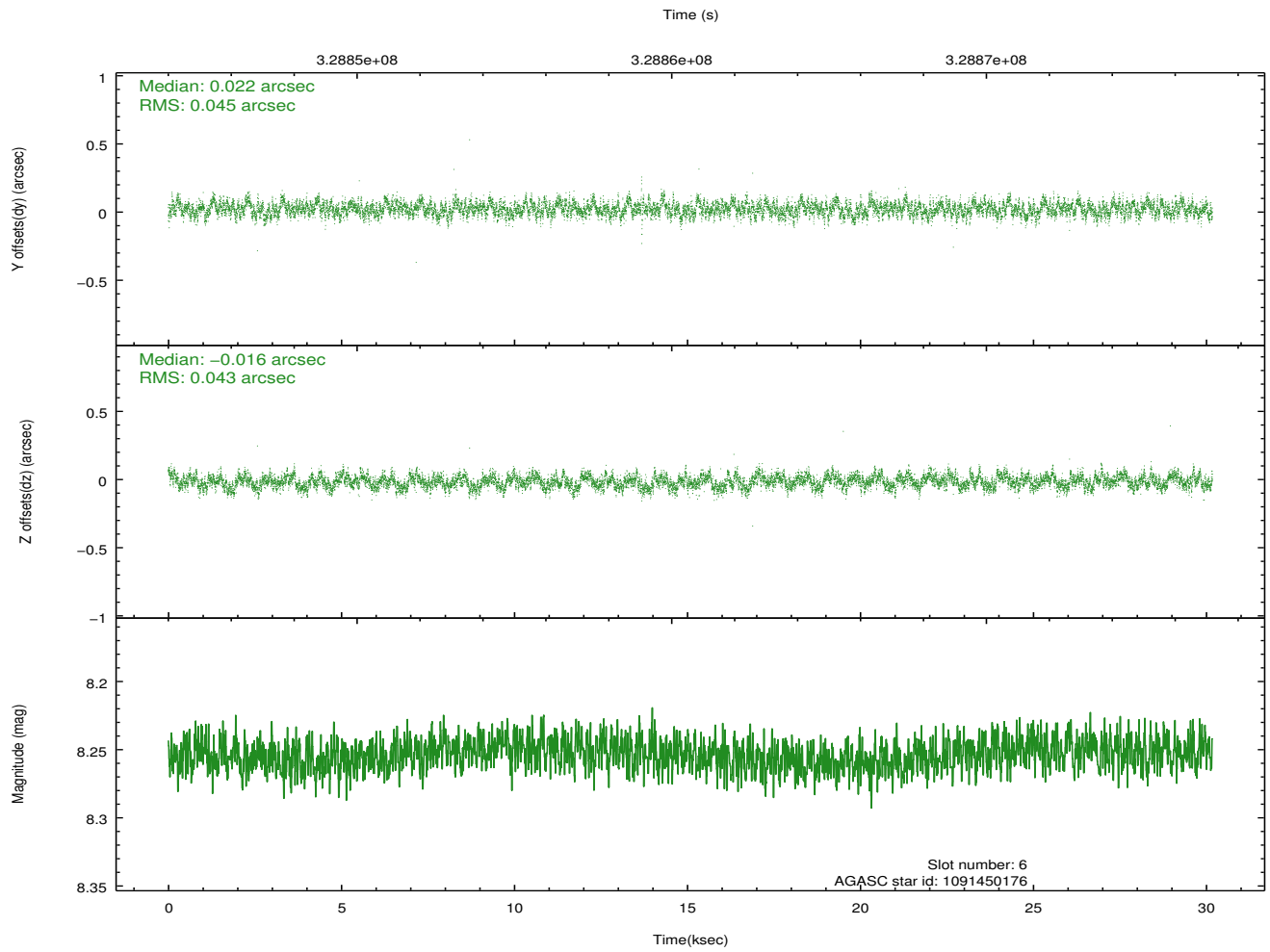
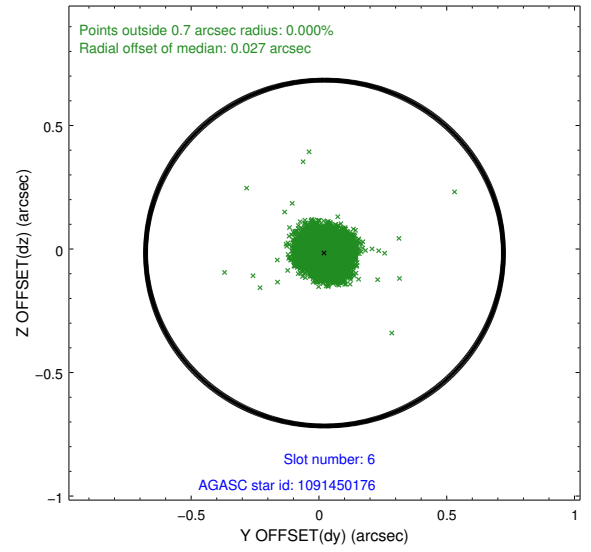
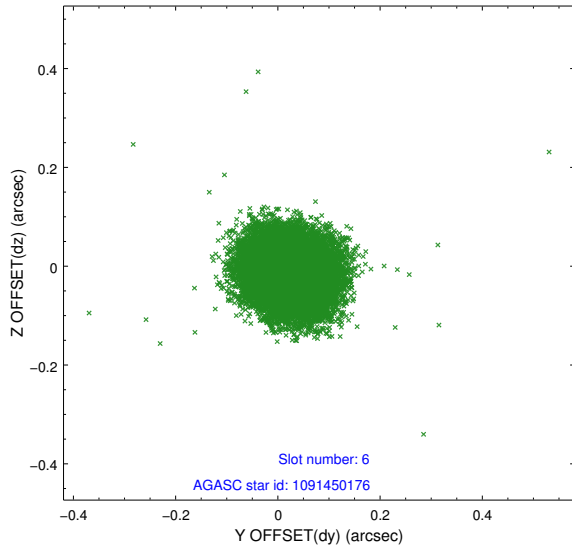
2.4.2 Slot 4



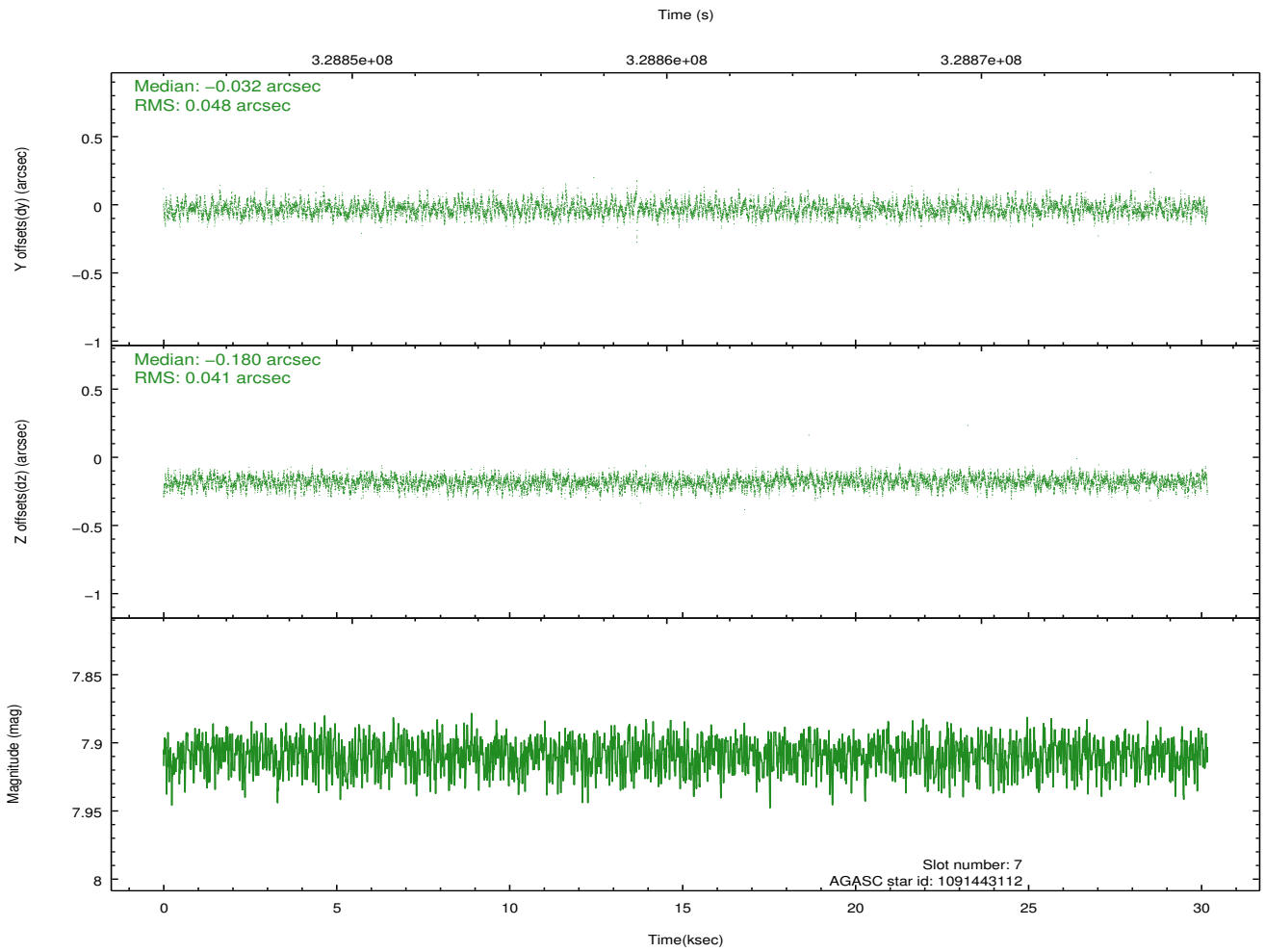
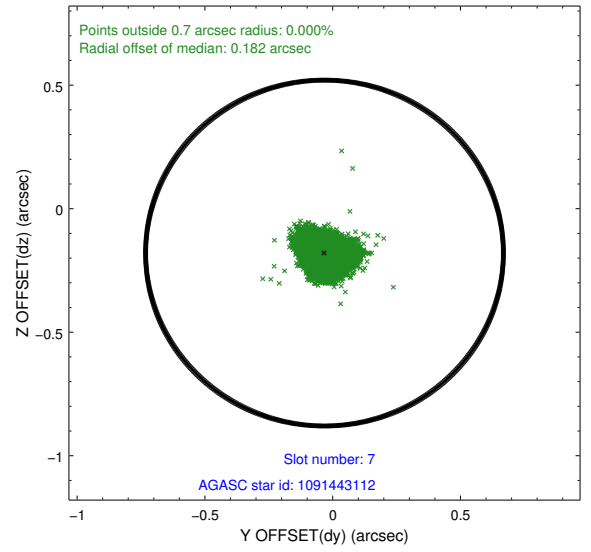
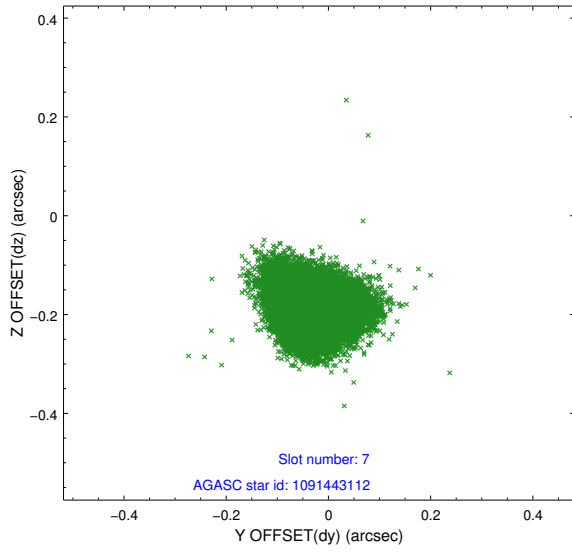
2.4.3 Slot 5



2.4.4 Slot 6

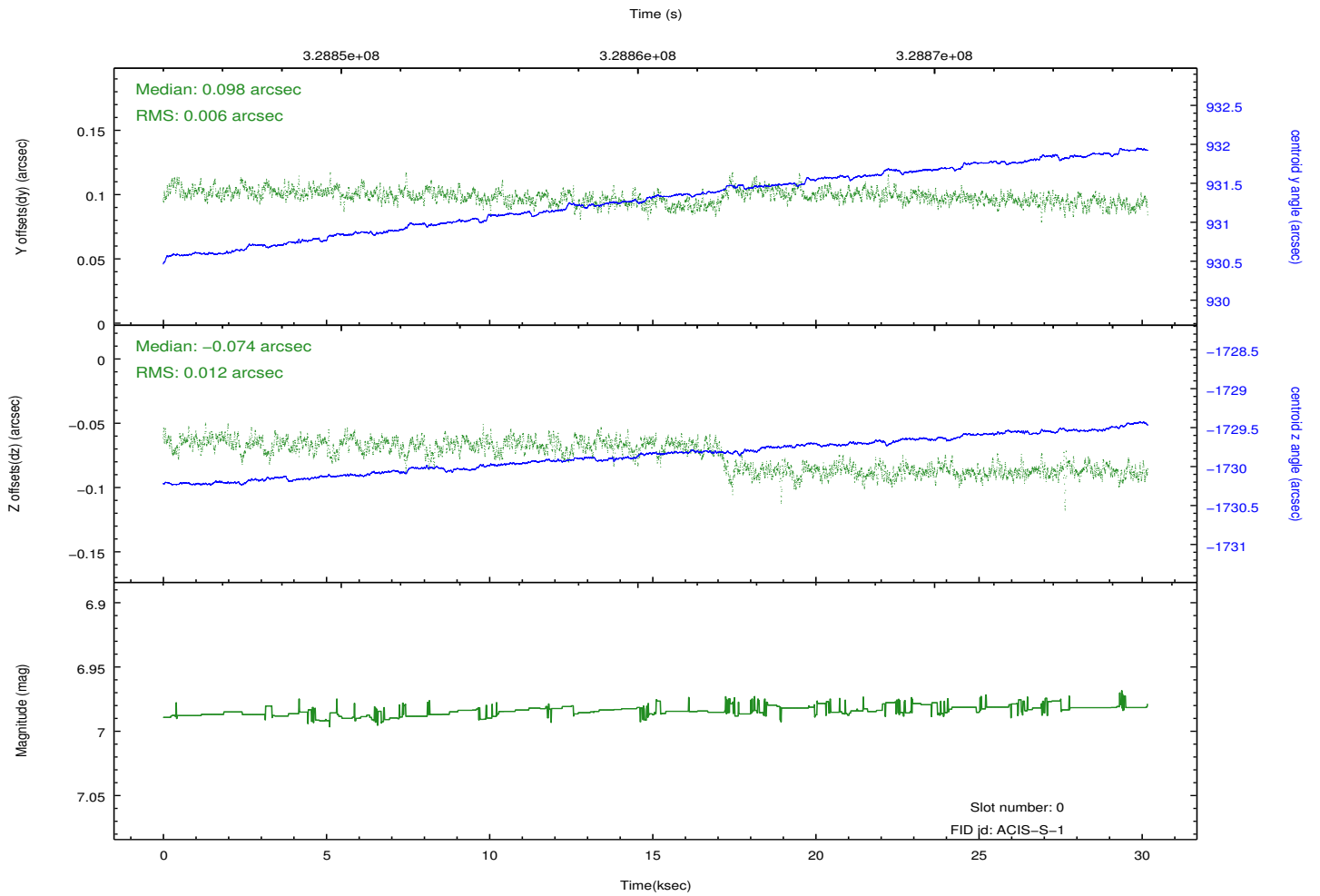
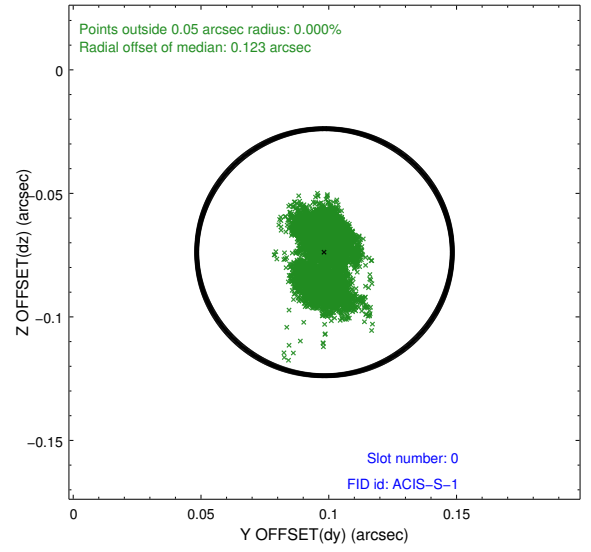
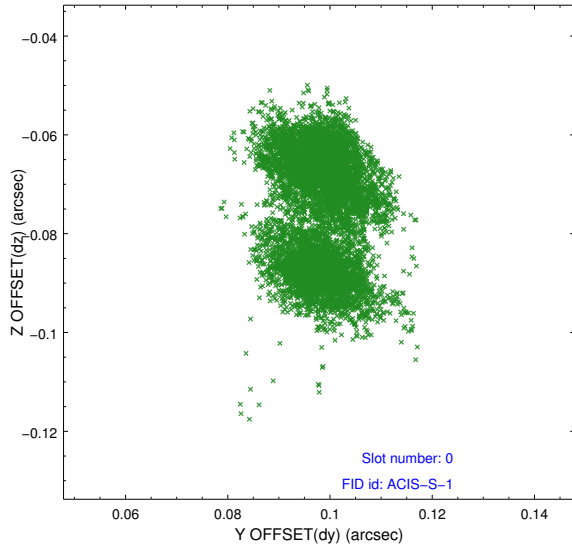


2.4.5 Slot 7

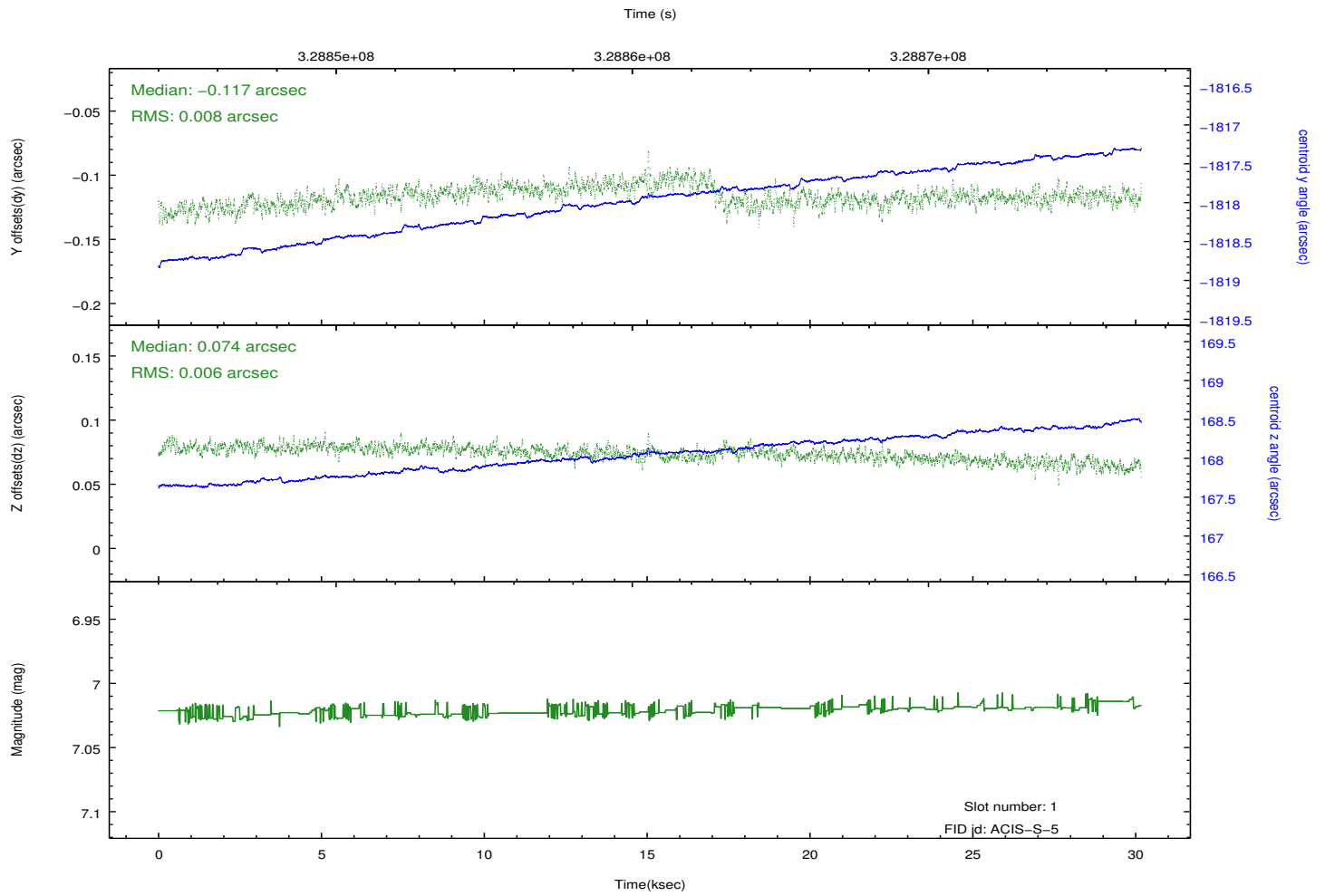
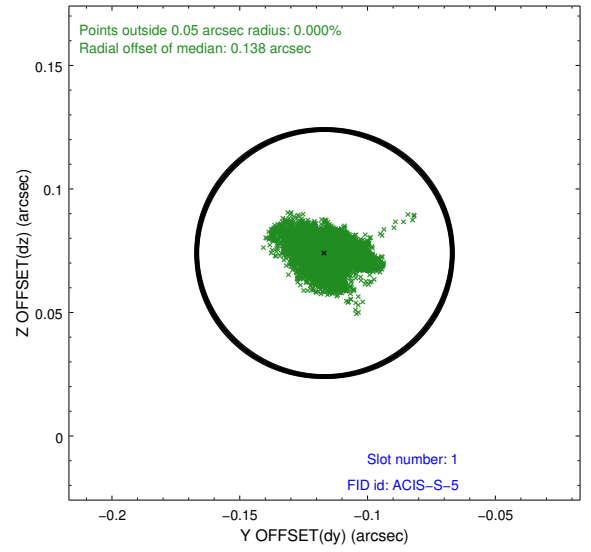
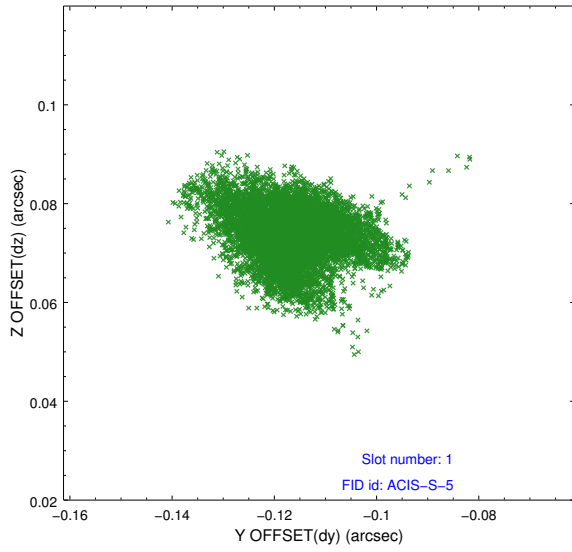


2.5 FID Slots

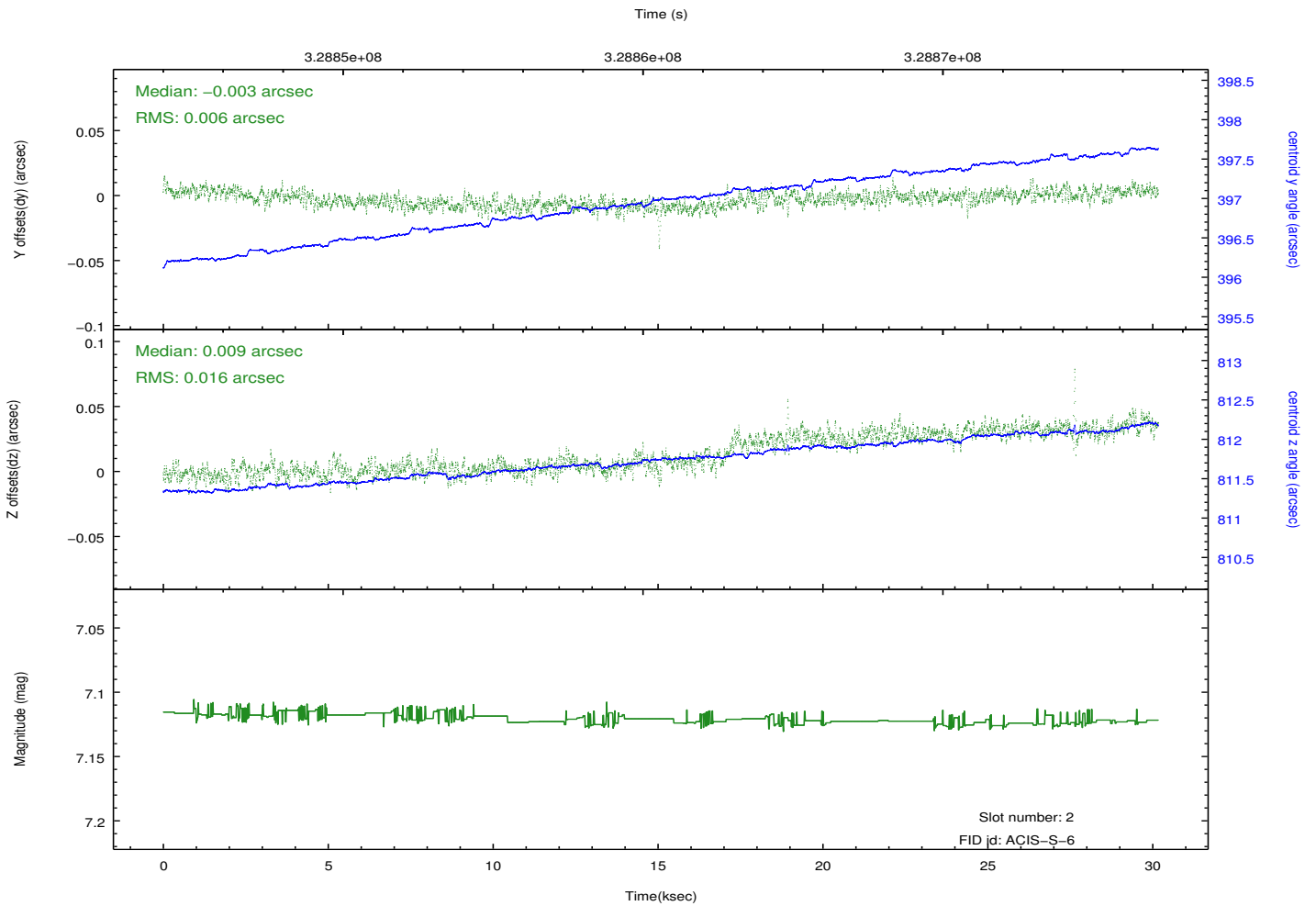
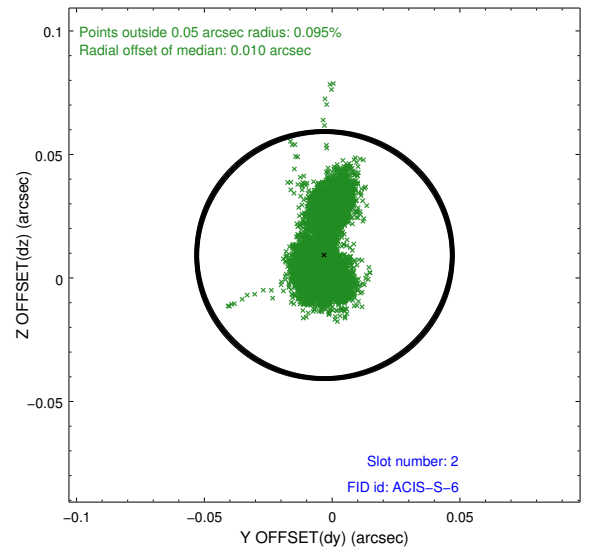
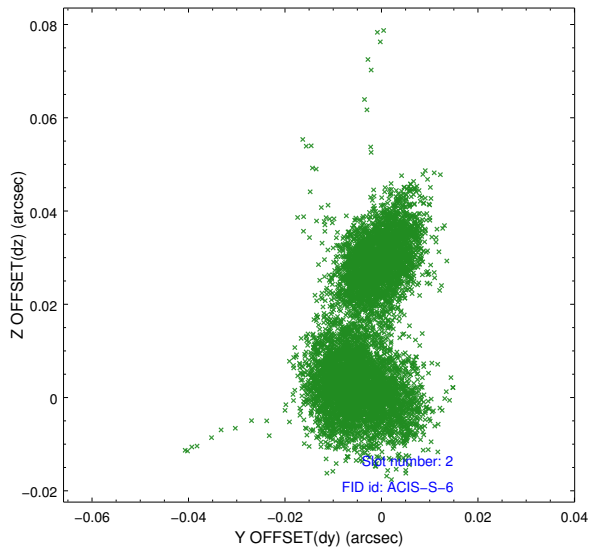
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.1791982

A.2 Comments

Joint proposal with XMM.