

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5414 - L2 Version 4
Chandra X-Ray Center

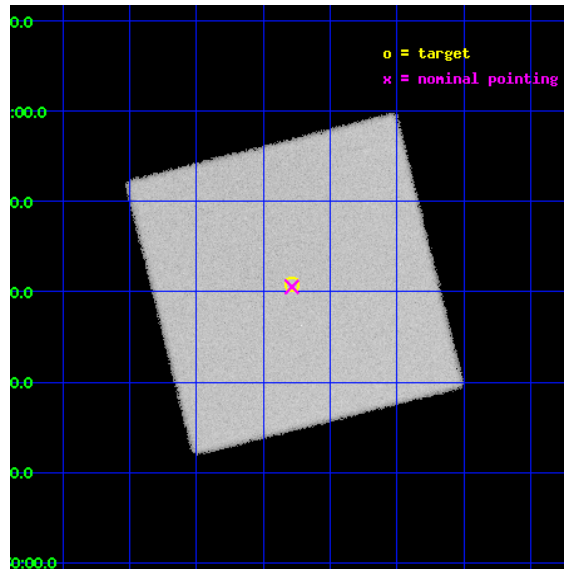
L2 Processing Date : Dec 15 2012

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1 Front

seq_num	200347	Sequence number
obs_id	5414	Observation id
title	Resolving the Puzzle of Hybrid Star Coronal X-rays	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	HD 209750	Source name
ra_targ	331.445833	Observer's specified target RA [deg]
dec_targ	-0.319861	Observer's specified target Dec [deg]
ra_nom	331.44641323329	Nominal RA [deg]
dec_nom	-0.32402304469703	Nominal Dec [deg]
roll_nom	300.91542340102	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20148.682158172	[s]
livetime	20005.739239734	Ontime multiplied by DTCOR
l2events	747784	Number of level 2 events

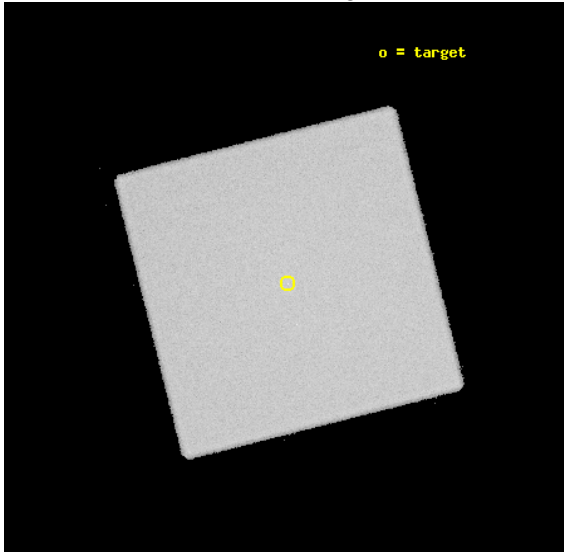


2 OBI

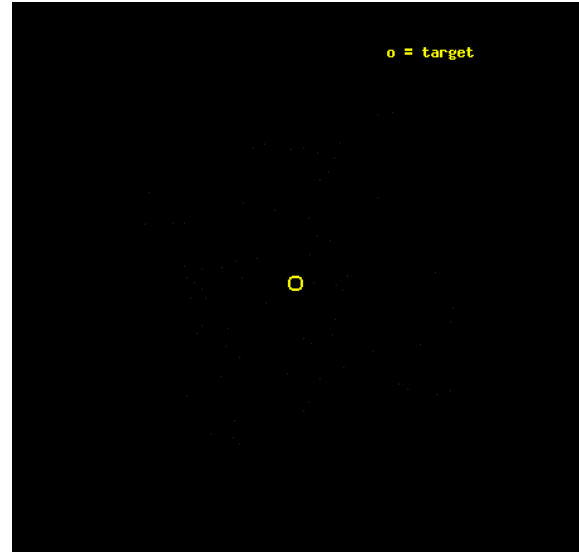
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	20148.682158172	[s]
caldbver	4.5.5	 	l1events	1149778	Number of level 1 events
date	2012-12-15T21:45:51	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

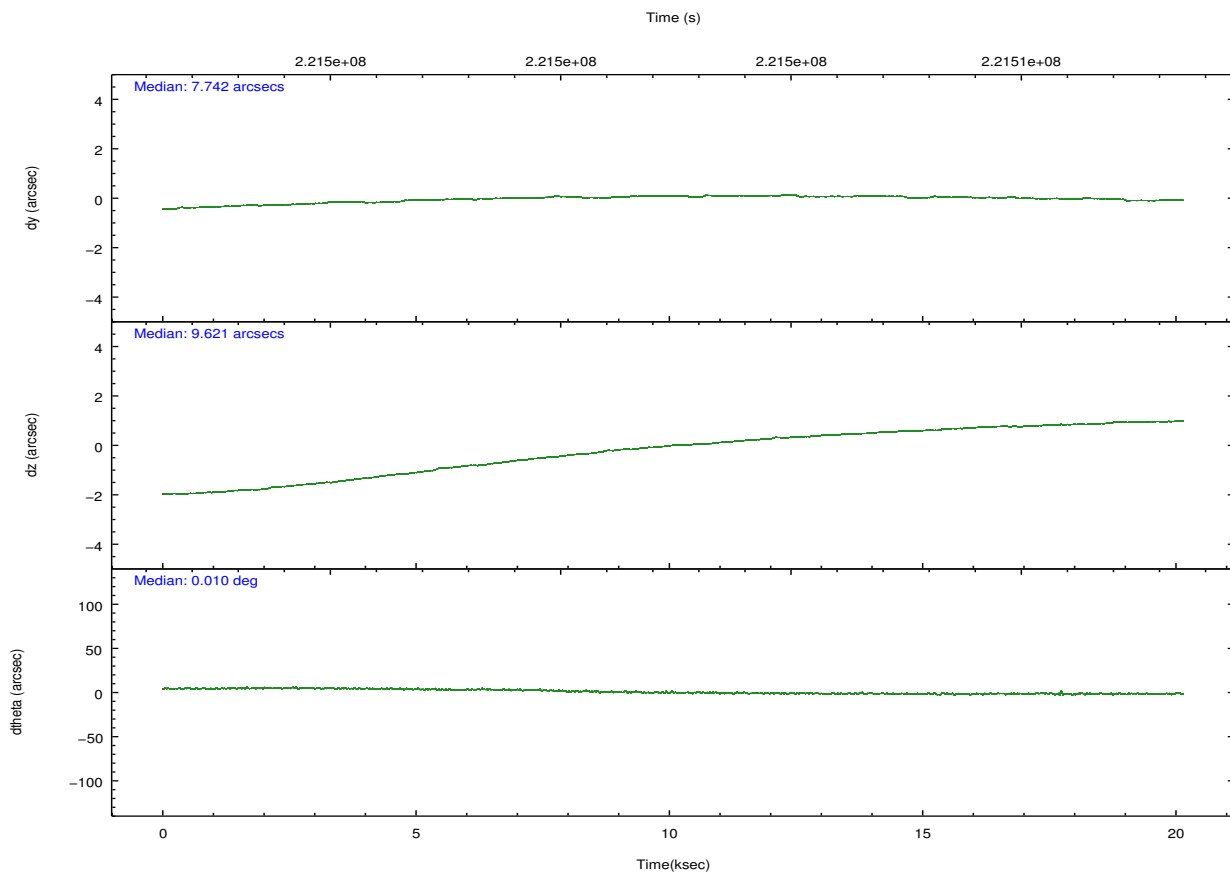
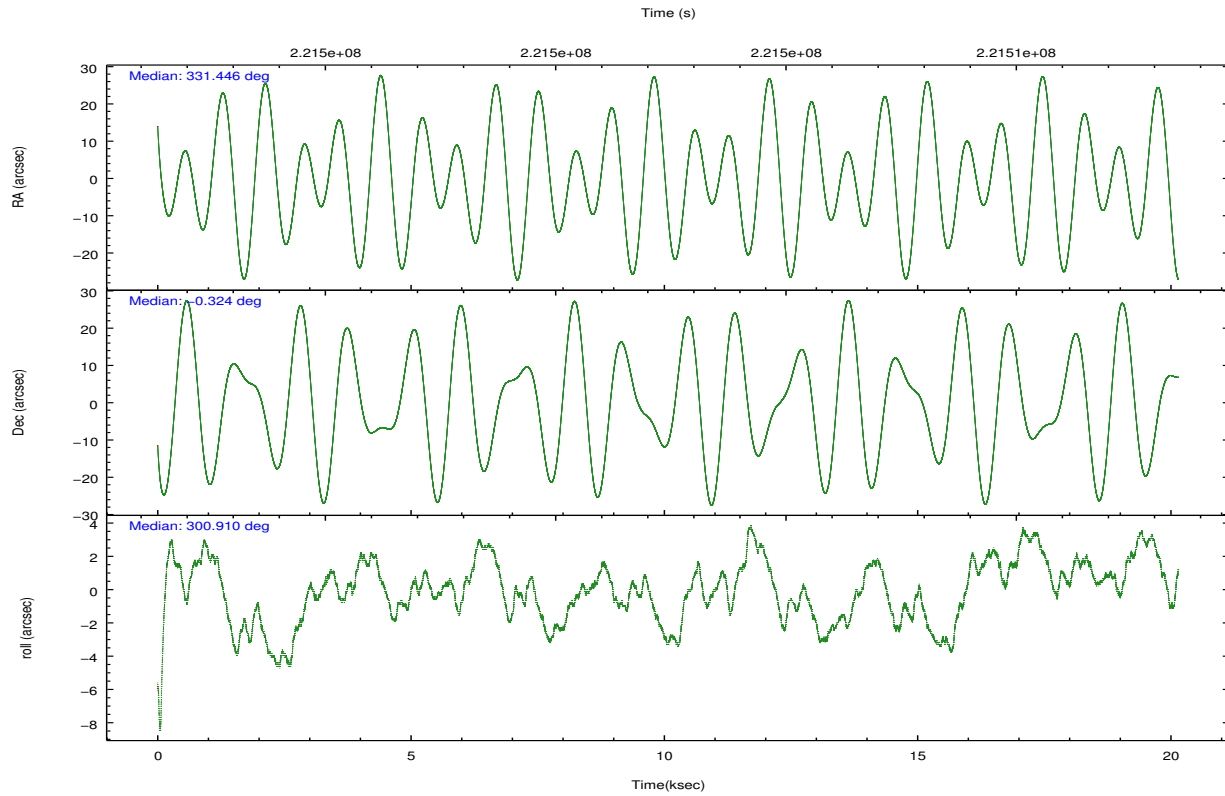
Level 1 Events

	segment 0
level 1 events	1149778
rejected events	42911
rejected %	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.422439	331.4464132332932			
[deg] Pointing Dec	-0.311364	-0.3240230446970334			
[deg] Pointing Roll	301.010777	300.9154234010211			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	221492516.184000	221491538.00005			
Observation start date	2005-01-07T13:40:52	2005-01-07T13:25:38			
[s] Observation end time (MET)	221512516.184000	221513028.15102			
Observation end date	2005-01-07T19:14:12	2005-01-07T19:23:48			

2.3 Aspect

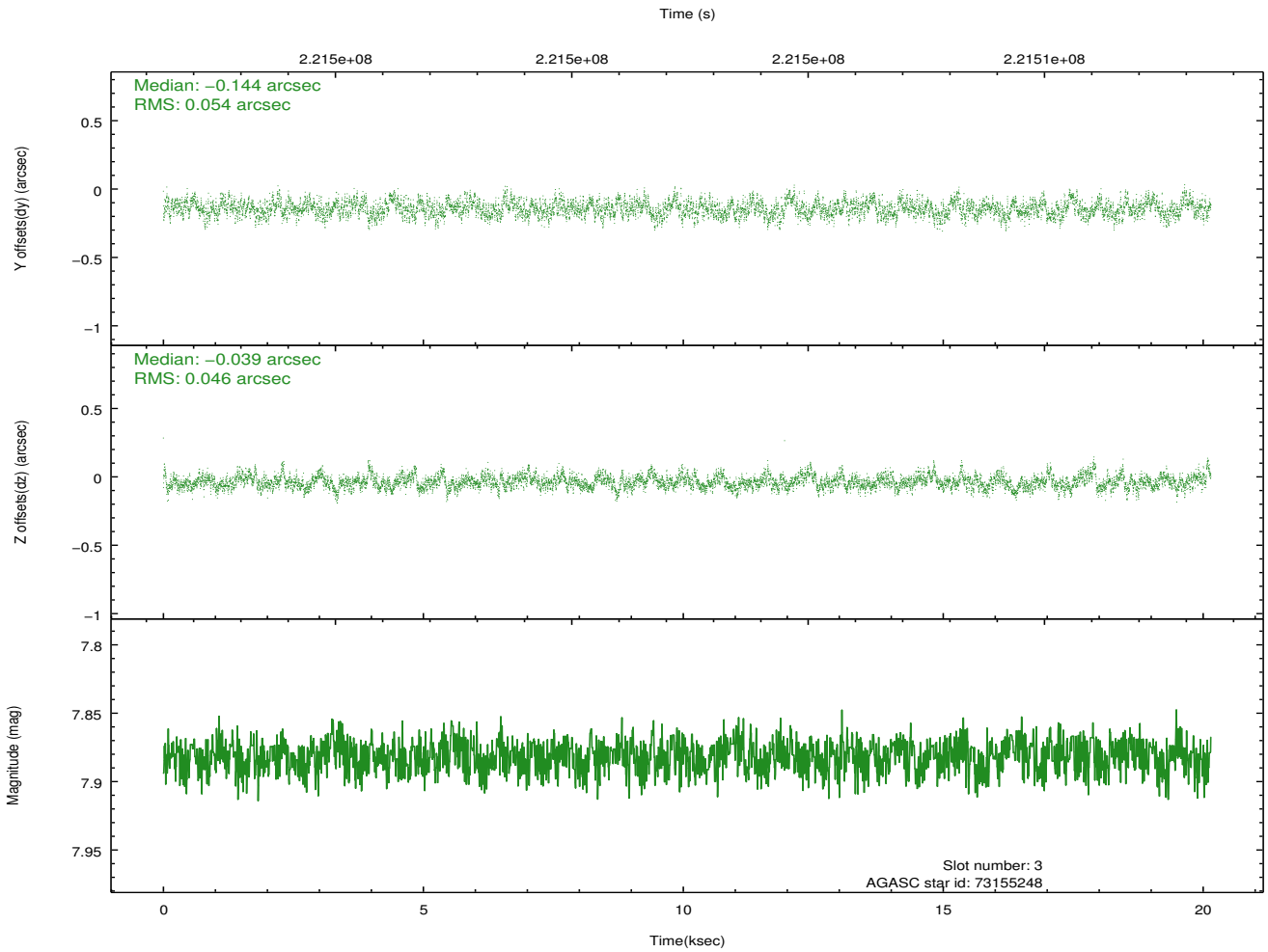
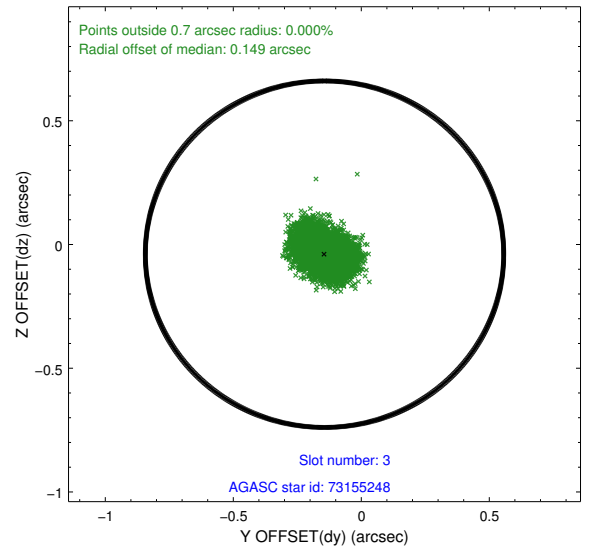
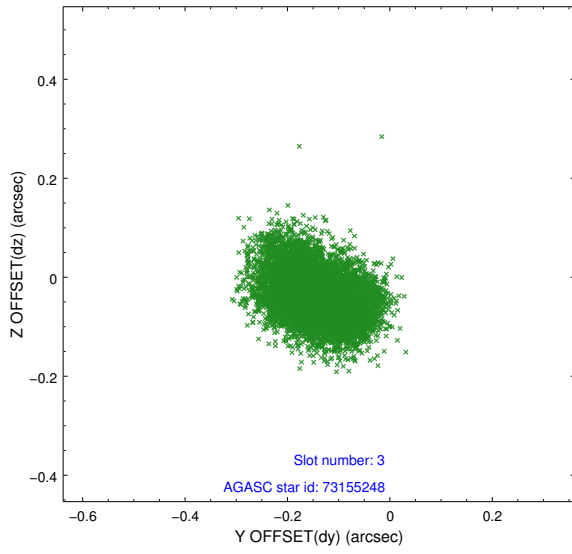


Slot Statistics

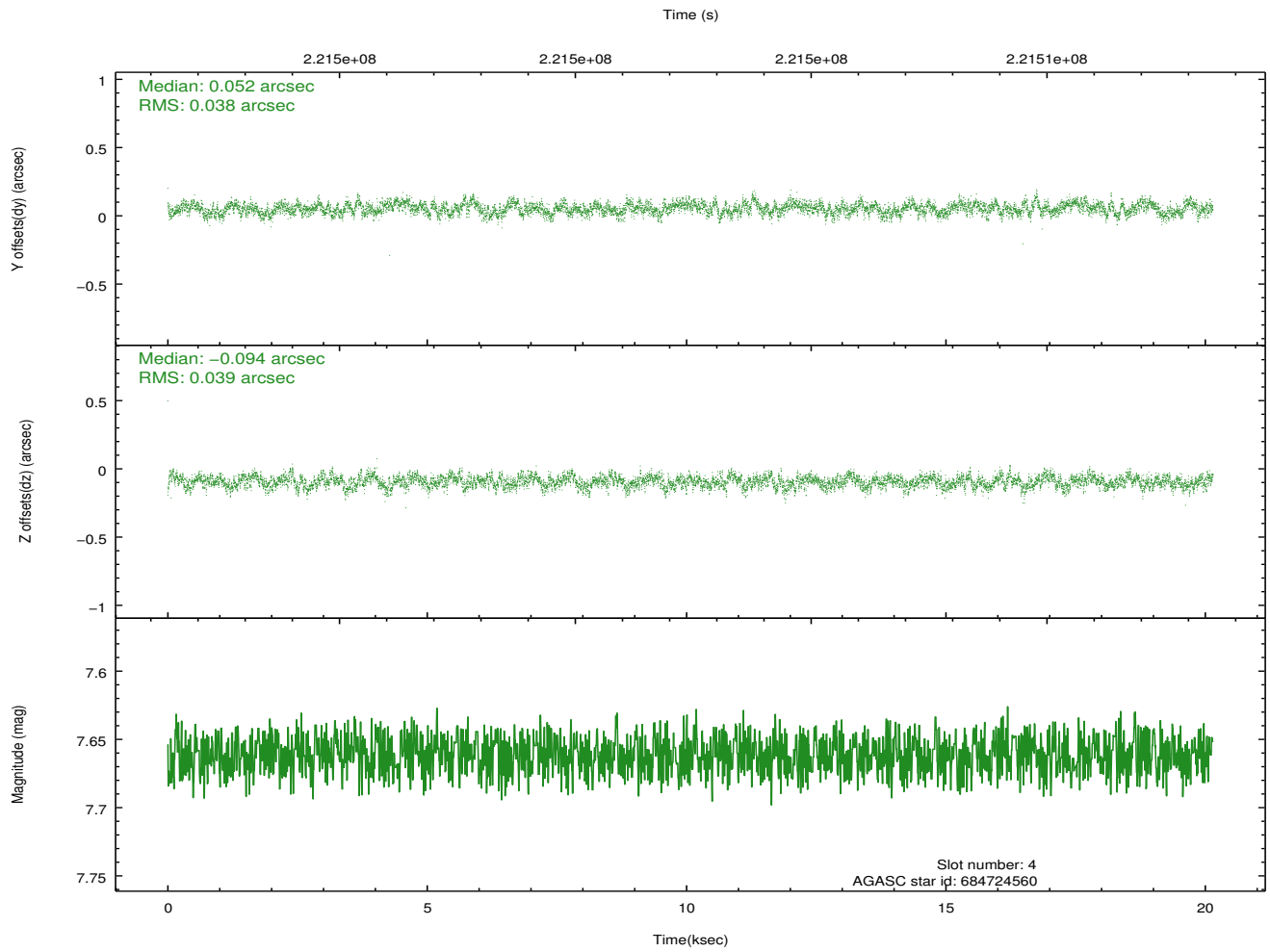
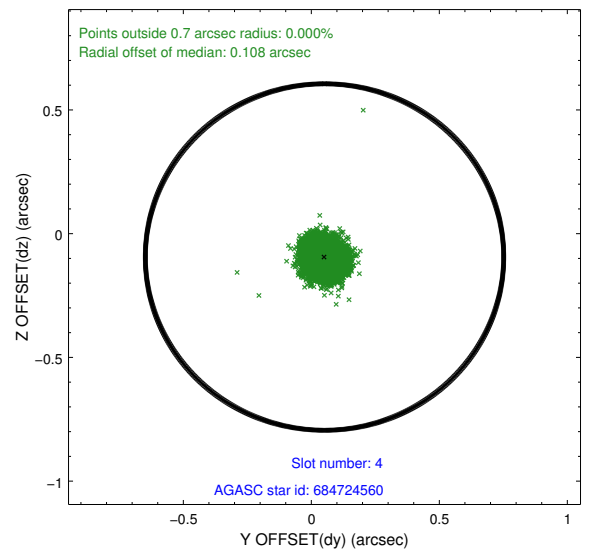
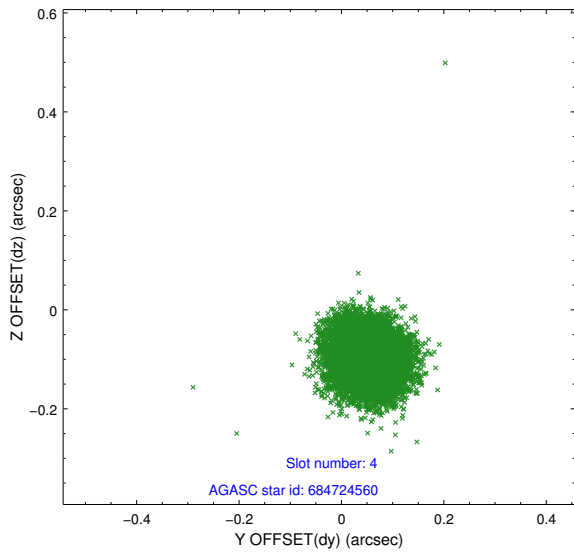
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	4914	0.015	0.034	0.027	0.038	0.000000	0.000000	-763.32	-1297.23
1	FID	HRC-I-3	7.05	4914	-0.024	-0.100	0.014	0.042	0.000000	0.000000	-1191.94	1006.95
2	FID	HRC-I-4	6.99	4914	0.121	-0.022	0.021	0.038	0.000000	0.000000	1279.40	1005.01
3	GUIDE	73155248	7.88	9830	-0.144	-0.039	0.076	0.123	331.348846	0.261149	-1902.91	834.87
4	GUIDE	684724560	7.66	9829	0.052	-0.094	0.058	0.093	331.712195	-0.748932	1887.64	82.49
5	GUIDE	684725424	9.54	9826	0.100	0.006	0.104	0.182	331.313843	-0.700069	998.78	-1055.38
6	GUIDE	684726104	9.13	9826	0.072	-0.023	0.086	0.140	331.127859	-0.834413	1068.21	-1878.72
7	GUIDE	684731584	10.00	9812	-0.075	0.150	0.138	0.229	331.170044	-0.028510	-1340.51	-254.02

2.4 Star Slots

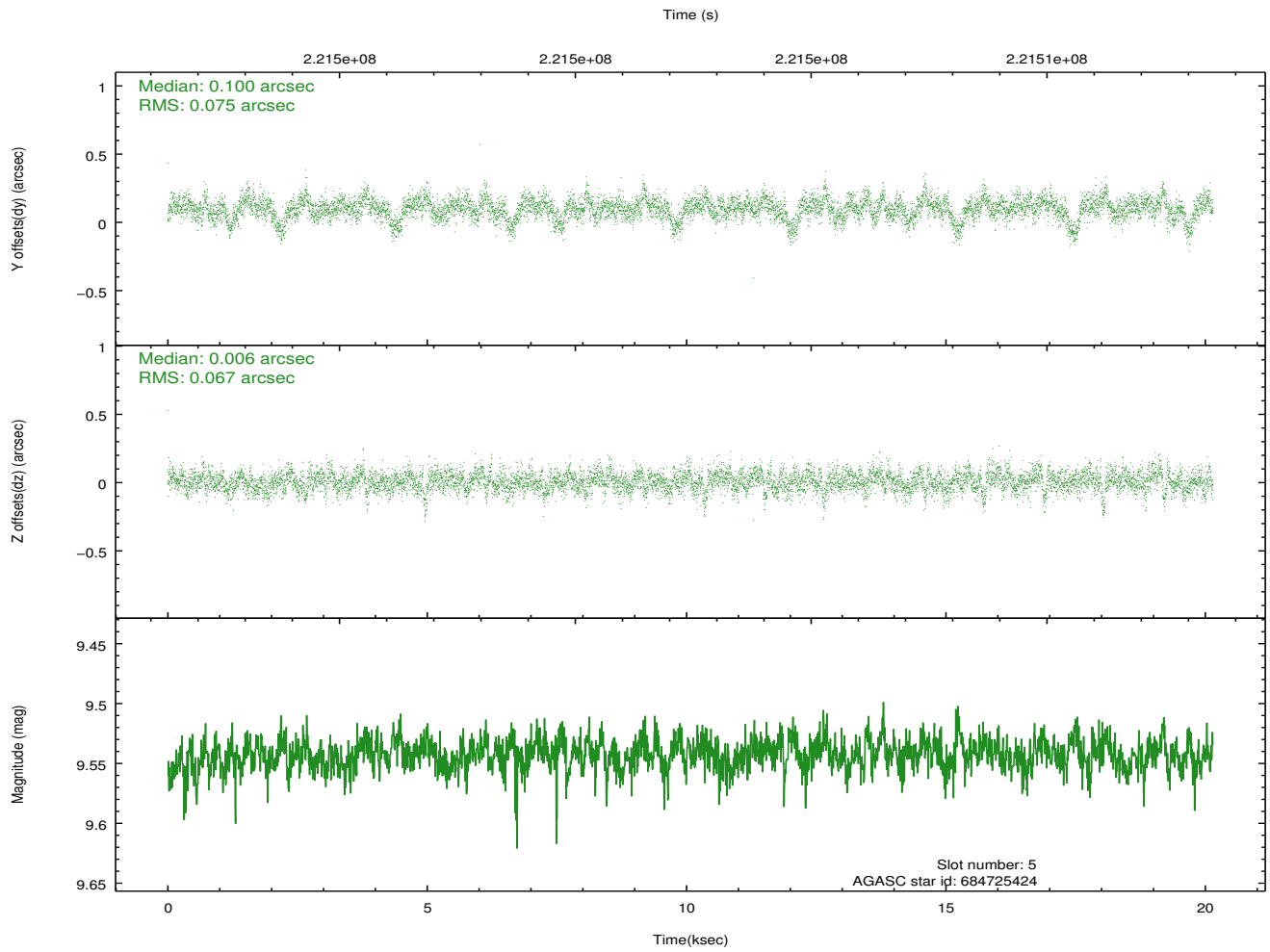
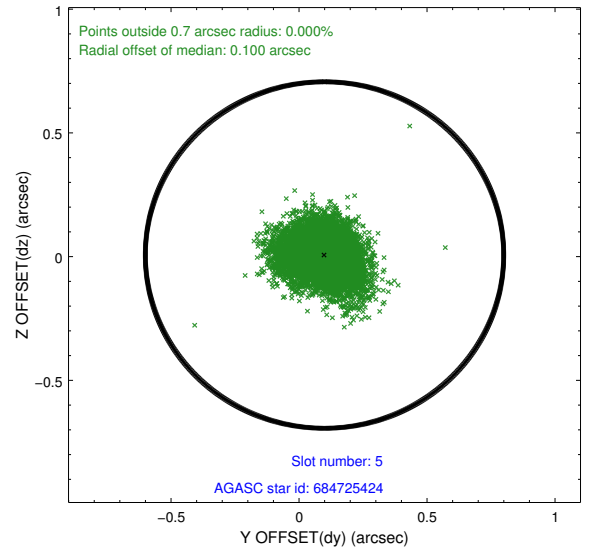
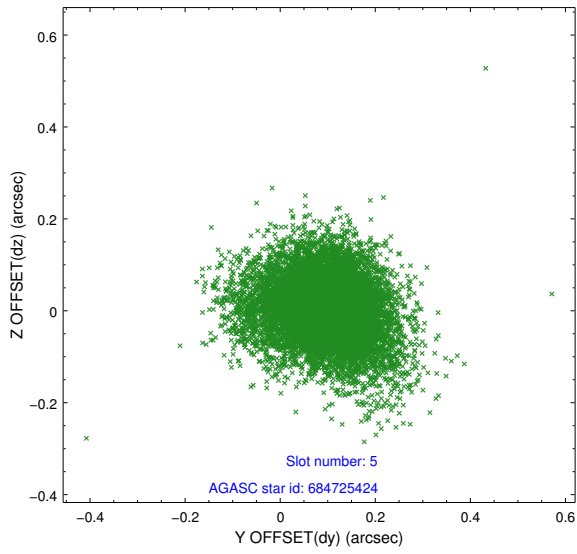
2.4.1 Slot 3



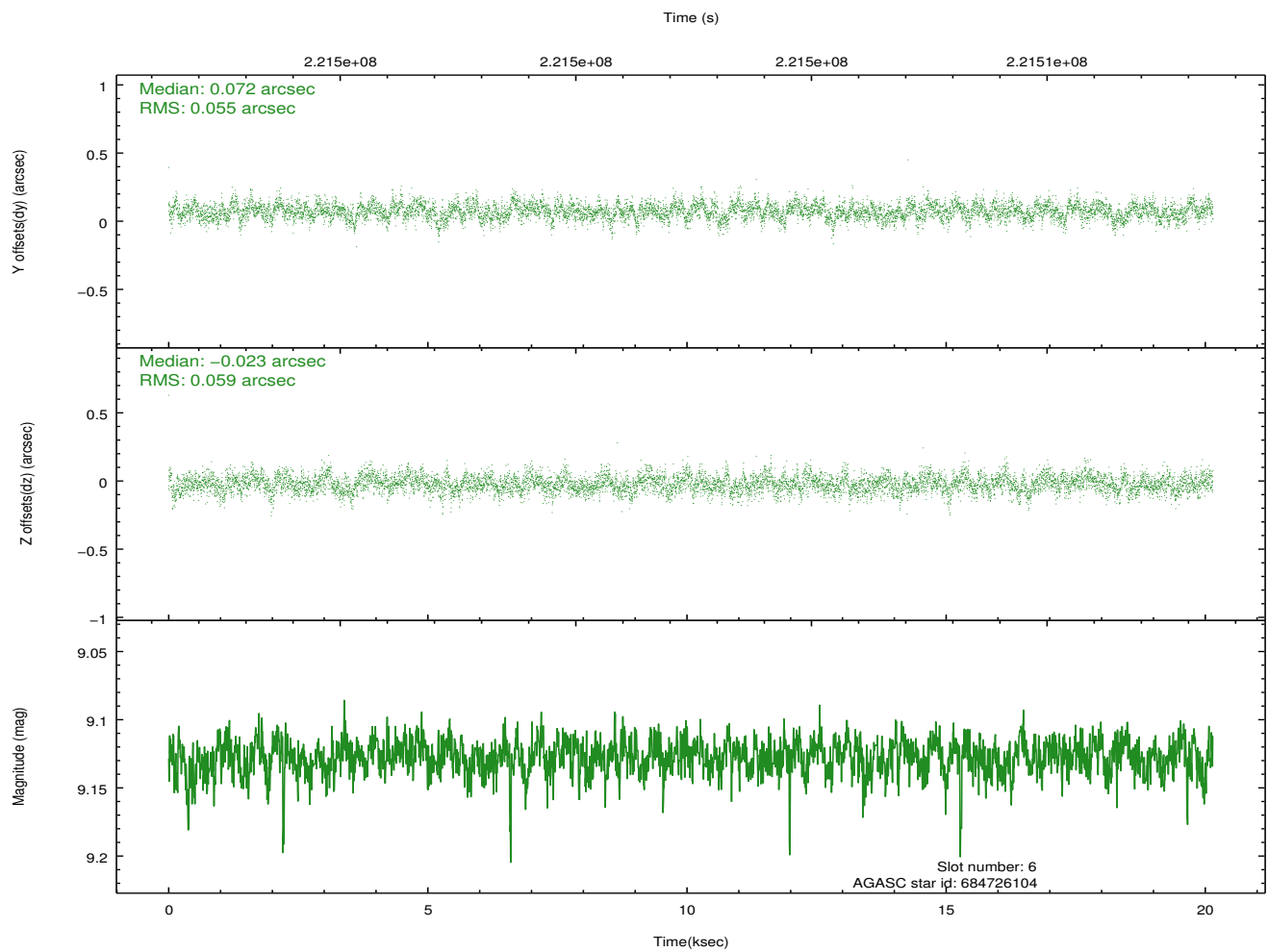
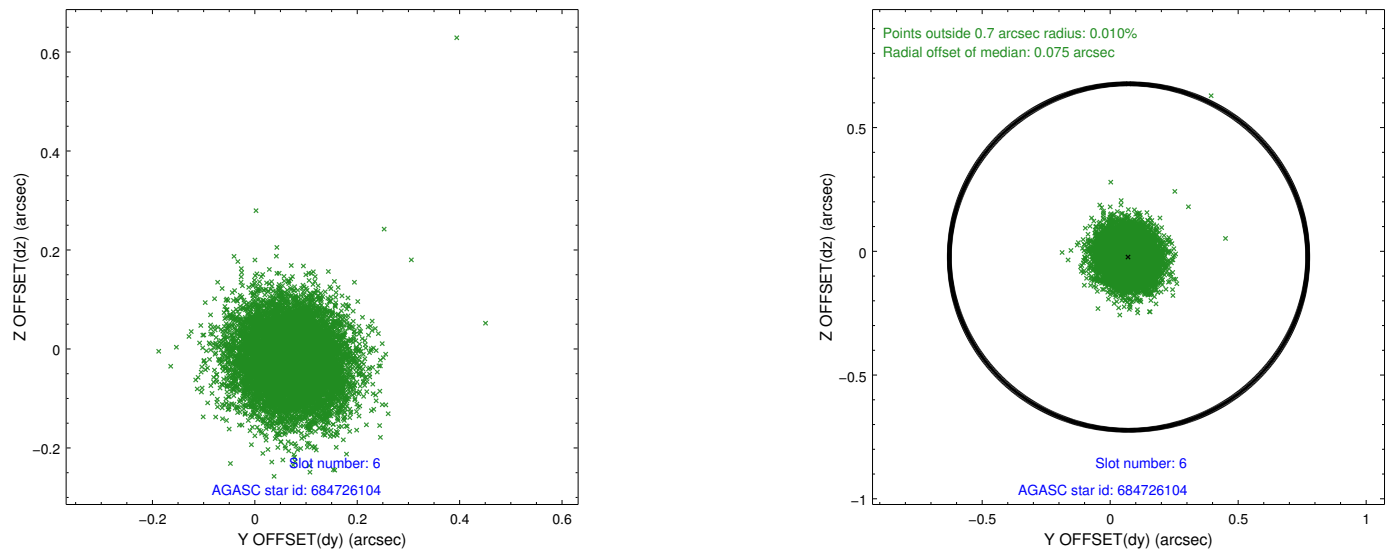
2.4.2 Slot 4



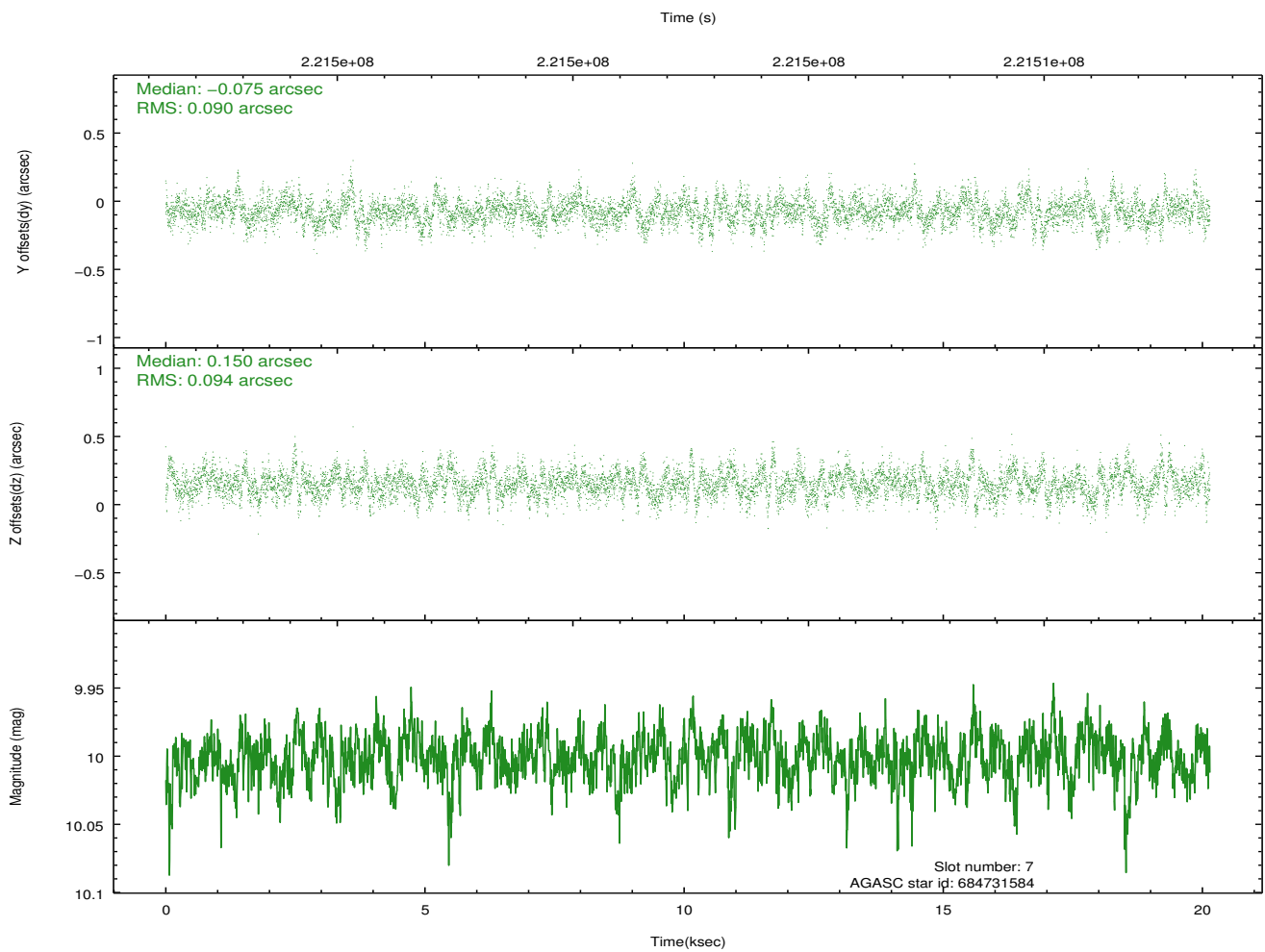
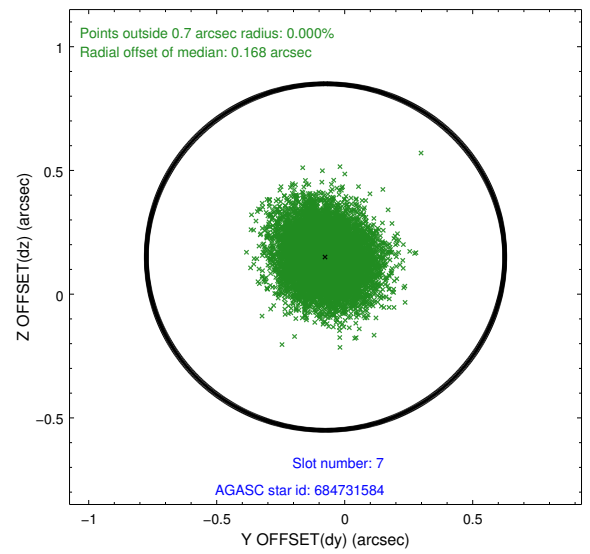
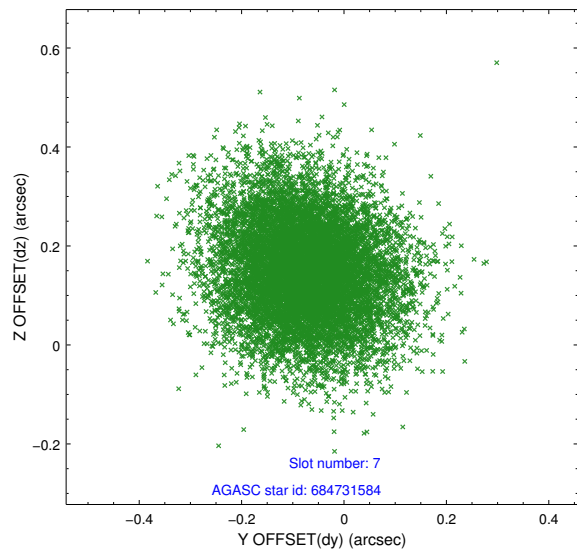
2.4.3 Slot 5



2.4.4 Slot 6

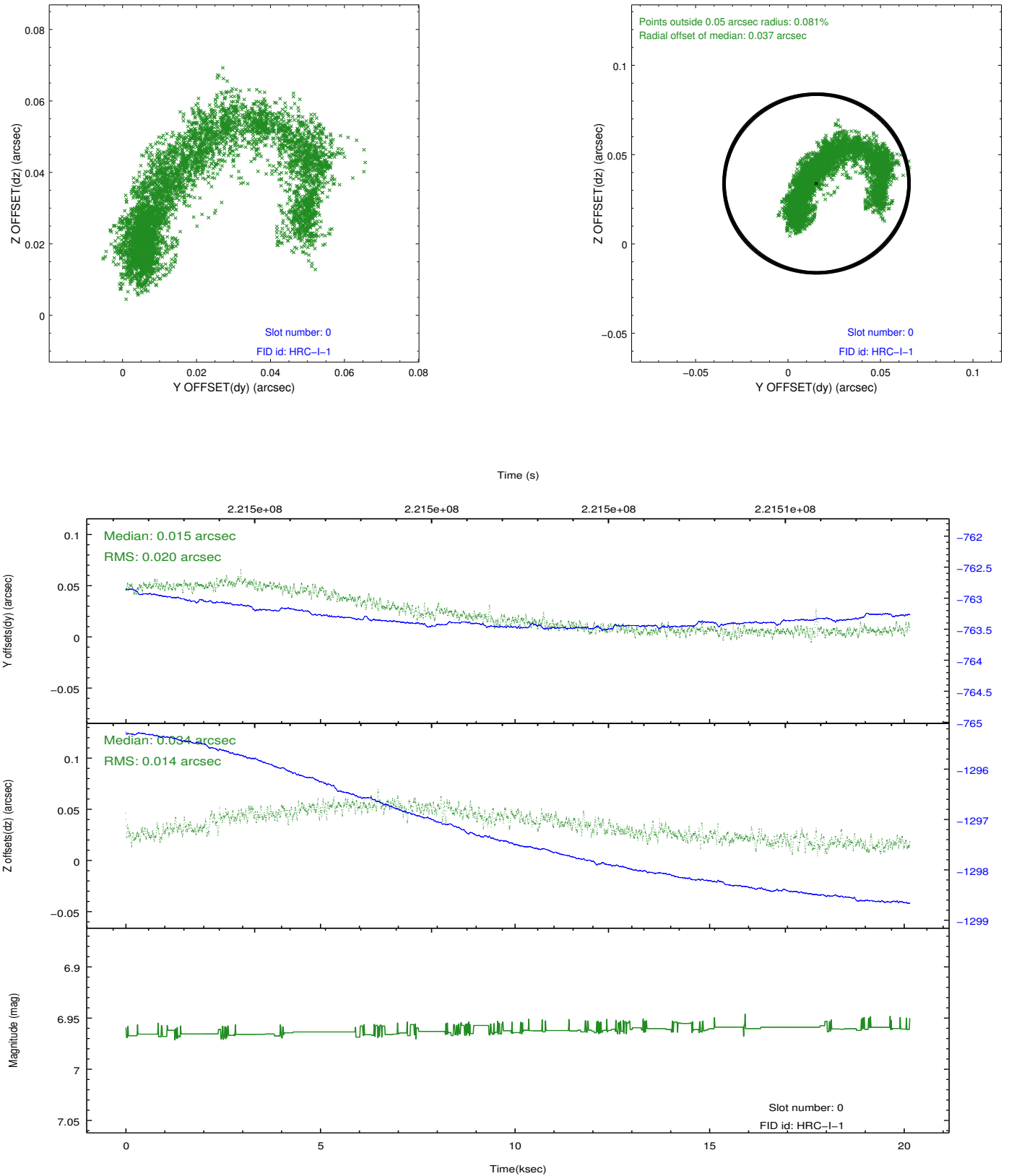


2.4.5 Slot 7

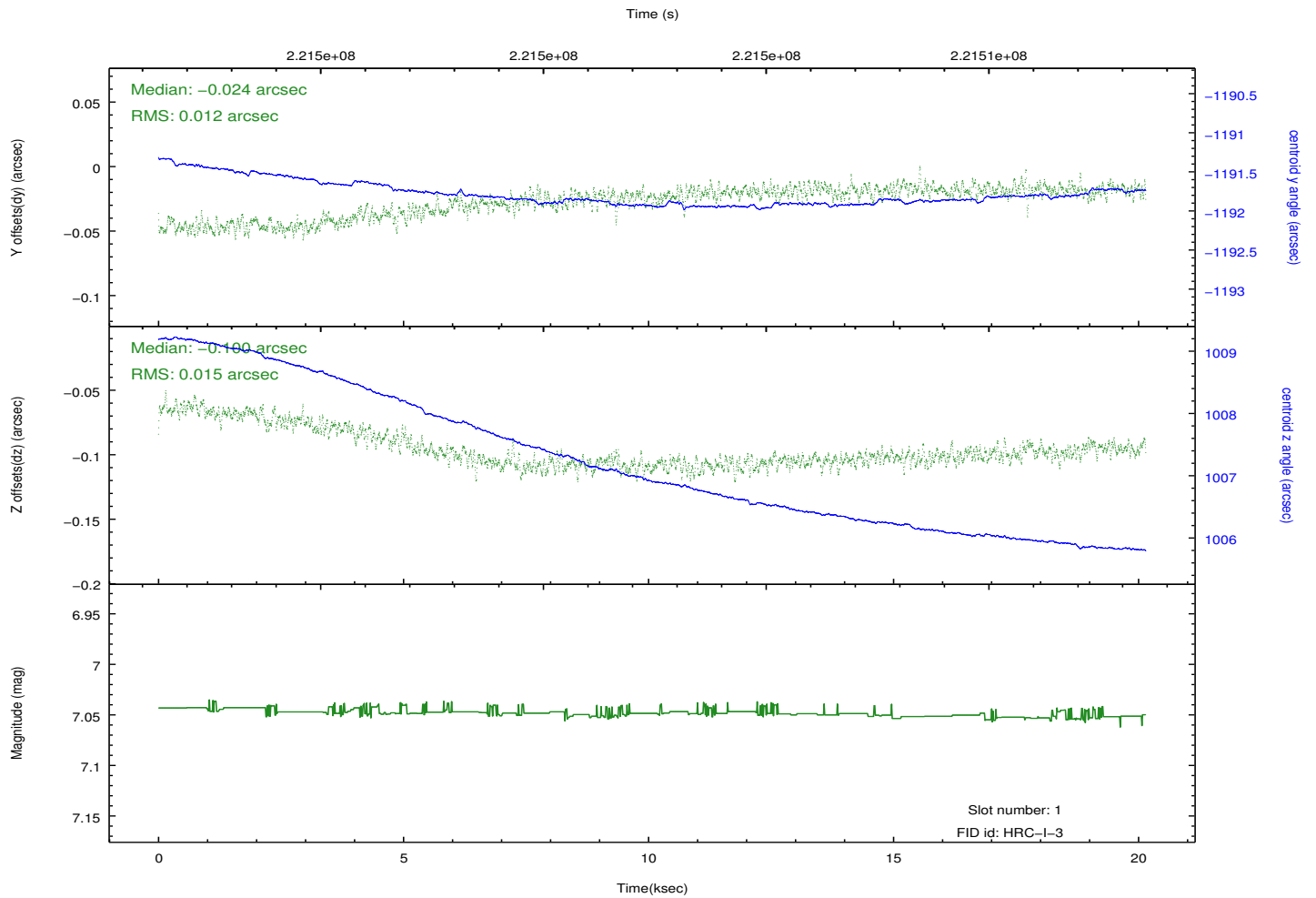
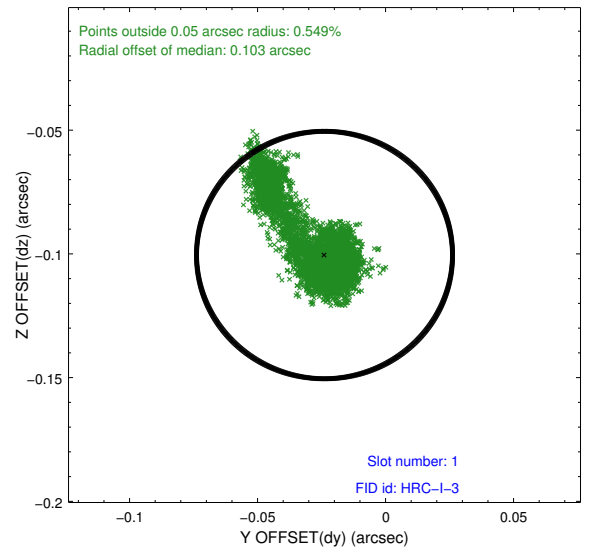
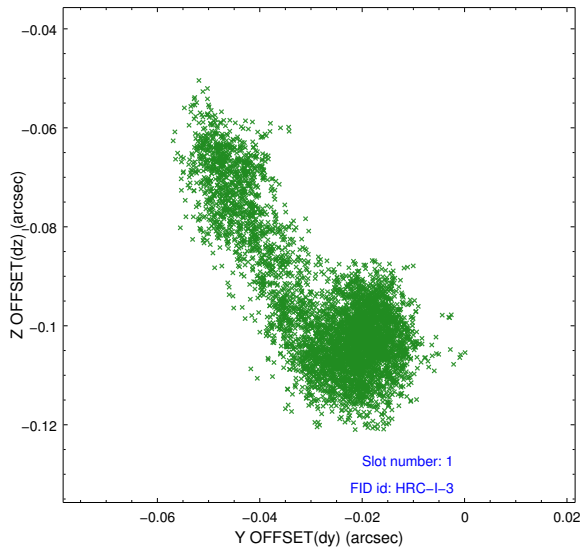


2.5 FID Slots

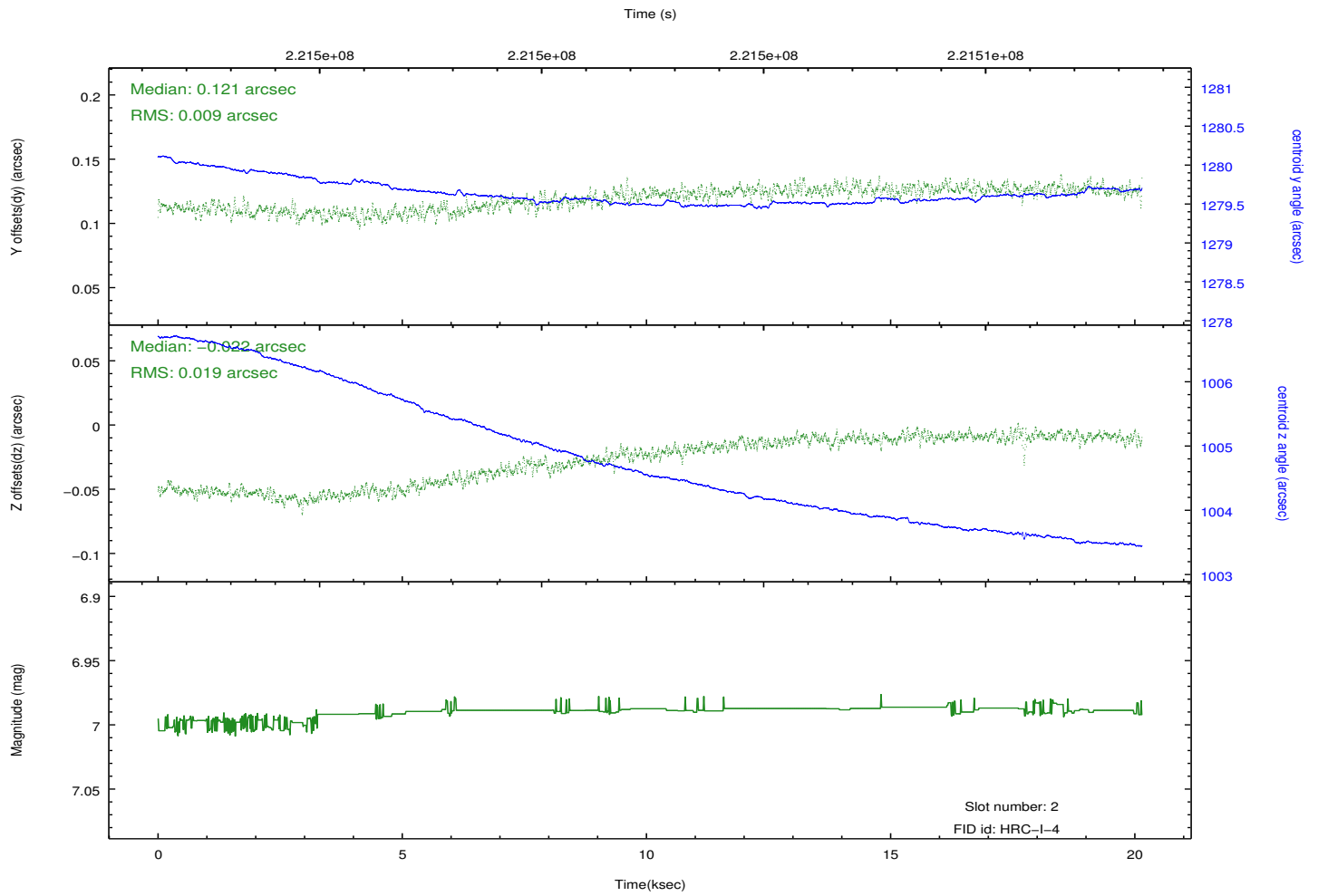
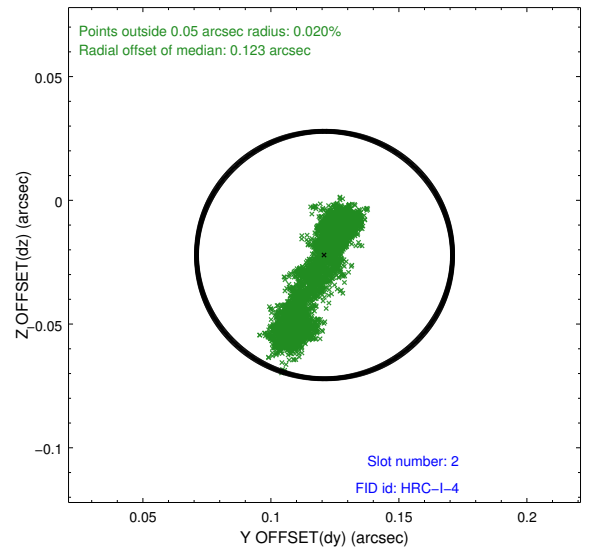
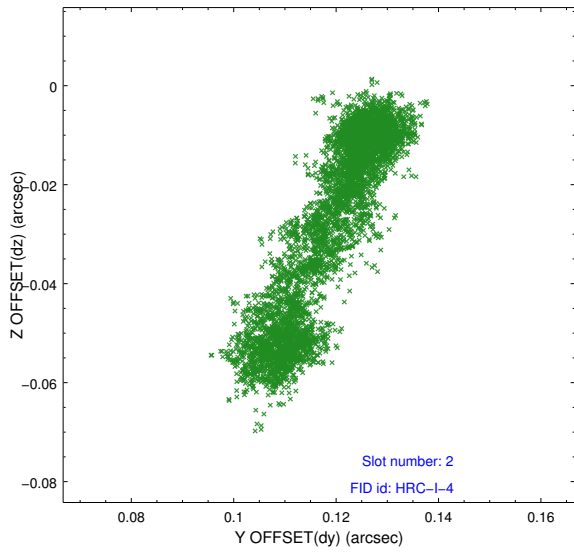
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.14868

A.2 Comments

Joint Proposal: HST