

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21792 - L2 Version 1
Chandra X-Ray Center

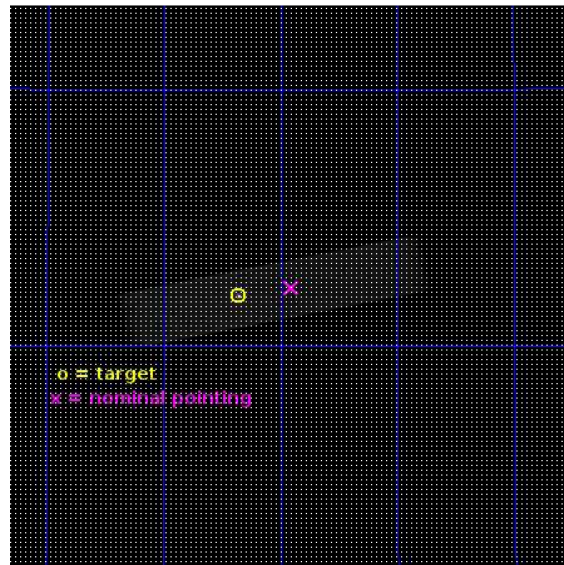
L2 Processing Date : Apr 4 2019

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1 Front

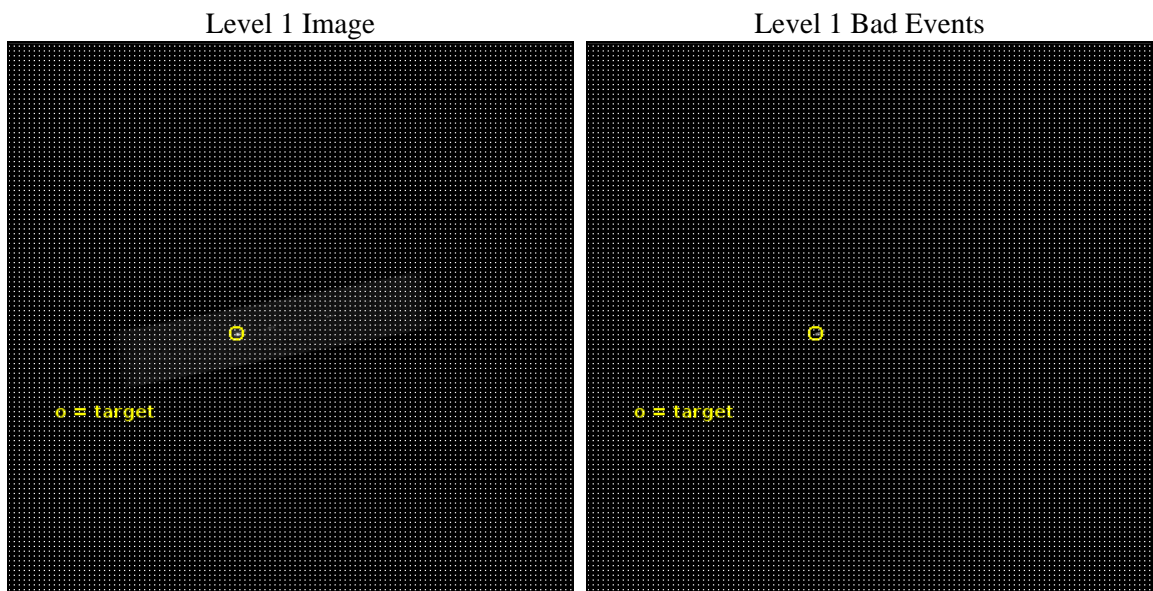
seq_num	291478	Sequence number
obs_id	21792	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	198.9769686361	Nominal RA [deg]
dec_nom	29.114328675838	Nominal Dec [deg]
roll_nom	168.28713993651	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2928.681425333	[s]
livetime	2443.6264932191	Ontime multiplied by DTCOR
l2events	450912	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2730.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	2928.681425333	[s]
caldbver	4.8.2	 	l1events	529381	Number of level 1 events
date	2019-04-04T11:34:39	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

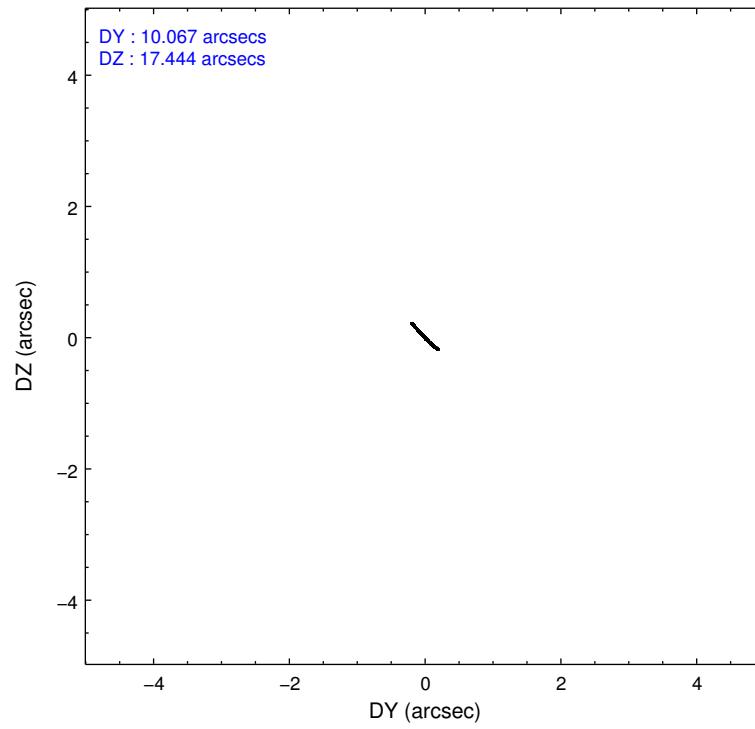
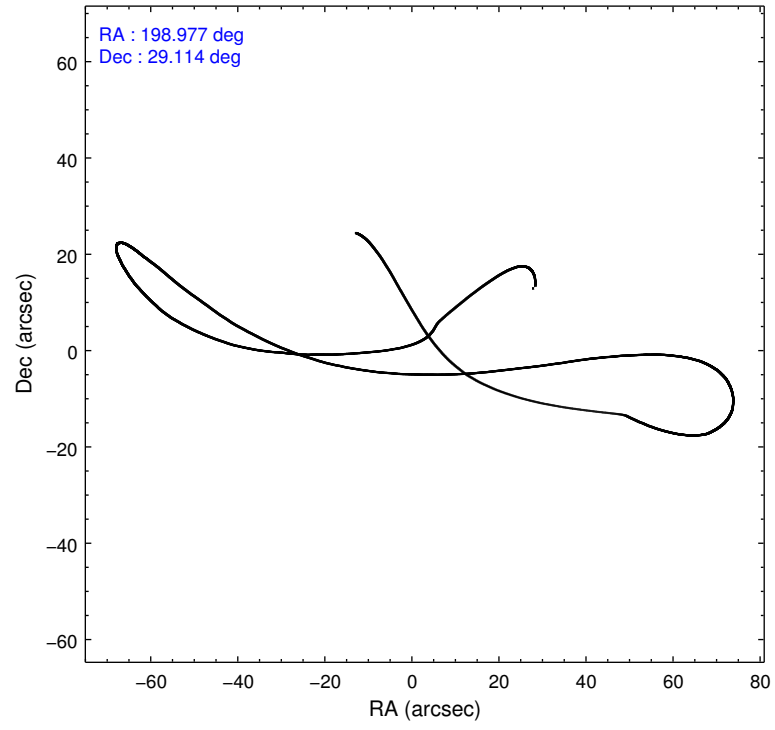
Level 1 Events

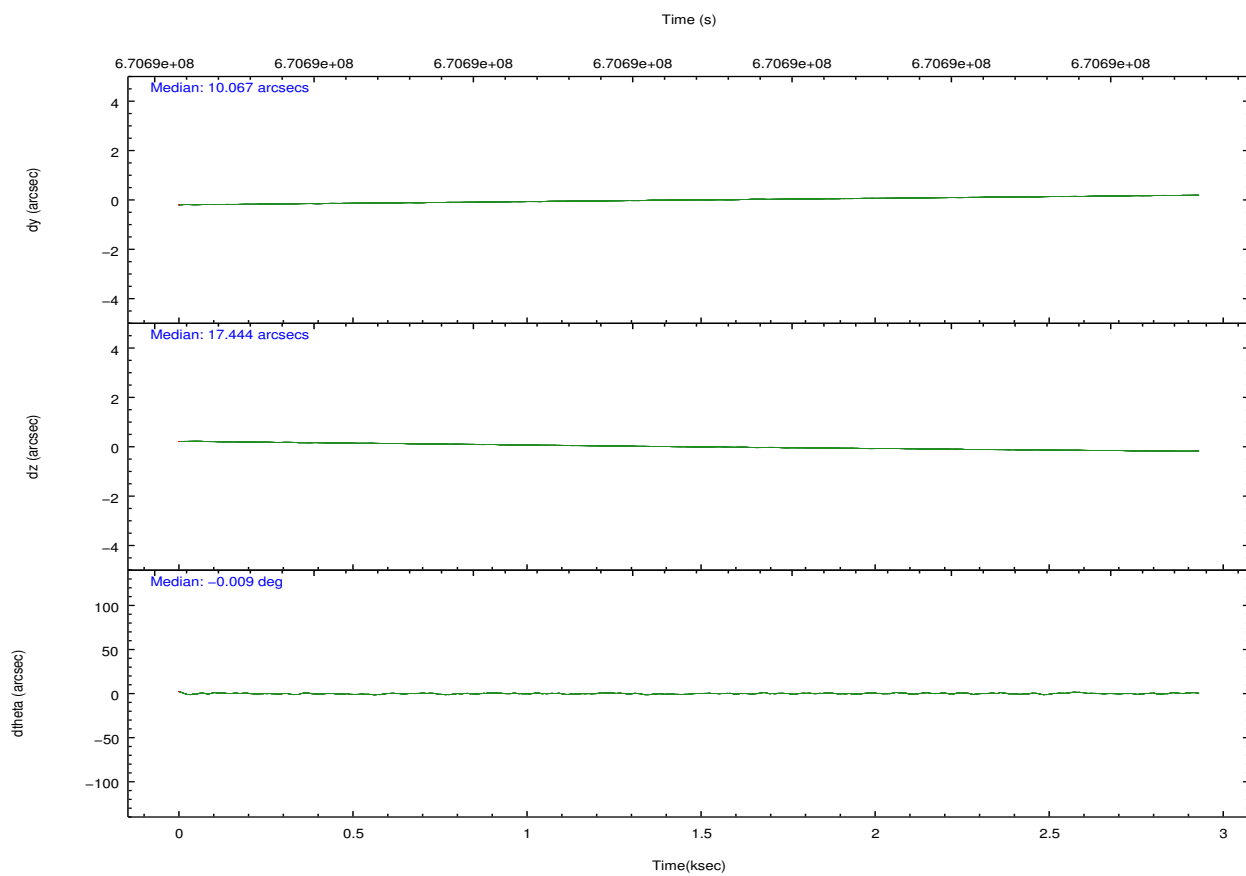
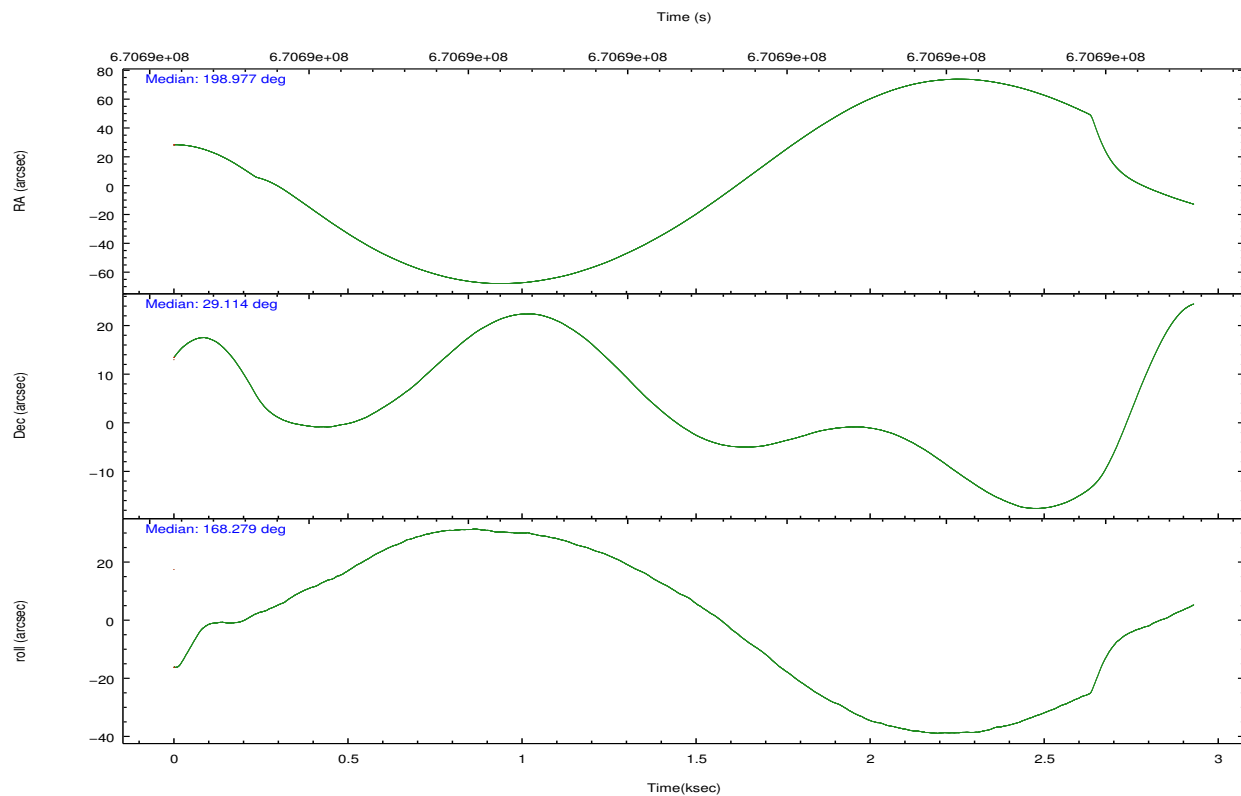
	segment 1	segment 2	segment 3
level 1 events	565	528230	586
rejected events	565	48346	586
rejected %	100%	9%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	199.008082	198.976968636096			
[deg] Pointing Dec	29.124354	29.11432867583759			
[deg] Pointing Roll	168.204720	168.2871399365103			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	670688892.184000	670688516.4777499			
Observation start date	2019-04-03T14:27:03	2019-04-03T14:21:56			
[s] Observation end time (MET)	670691622.184000	670691756.5029401			
Observation end date	2019-04-03T15:12:33	2019-04-03T15:15:56			

2.3 Aspect



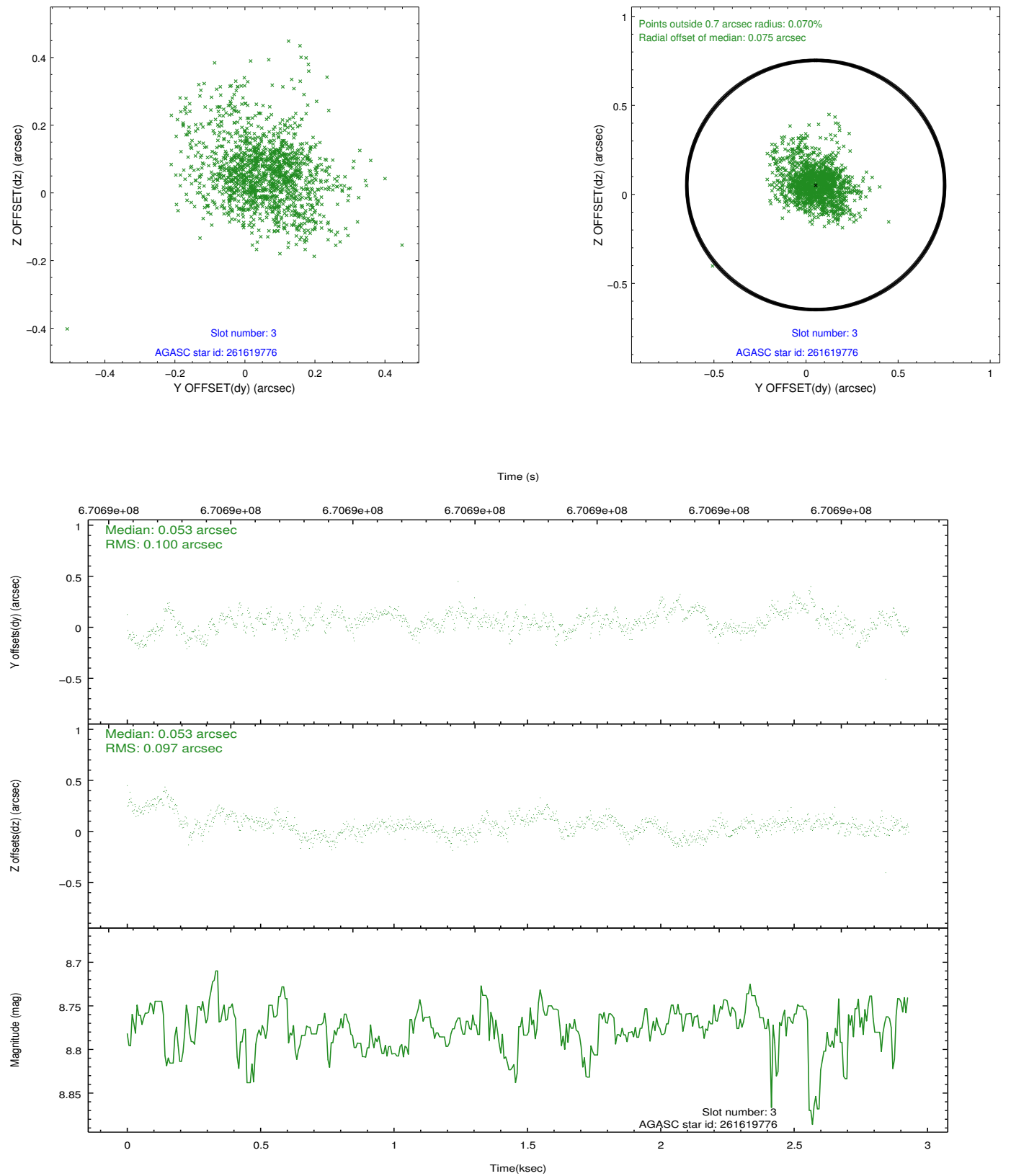


Slot Statistics

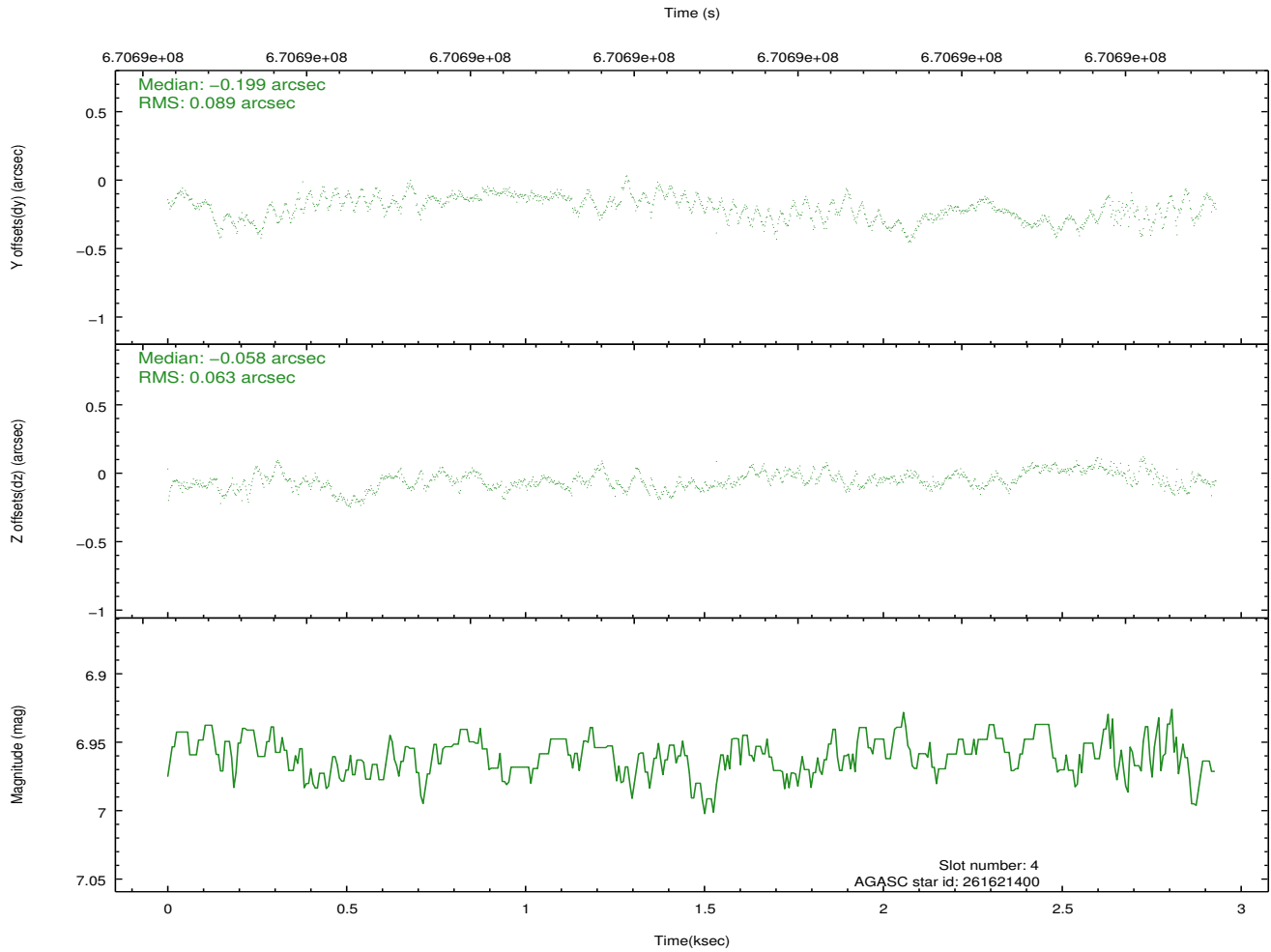
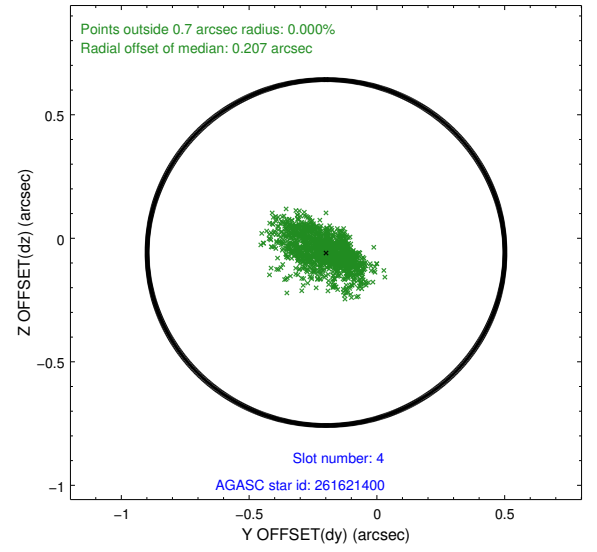
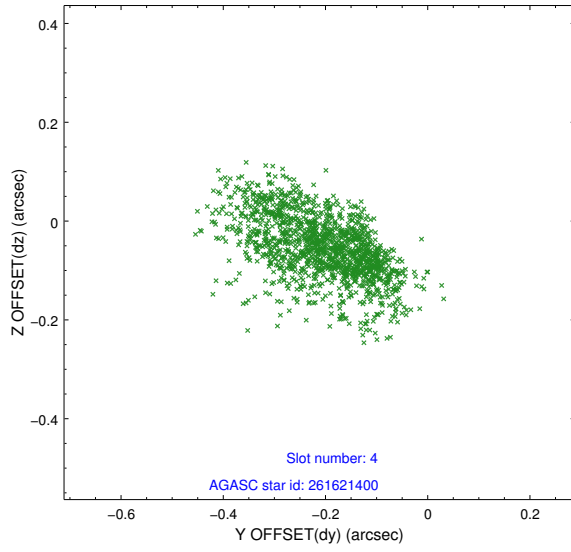
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.10	715	1.000	-0.071	-0.157	0.009	0.013	0.000000	0.000000	-1164.40	-466
1	FID		HRC-S-2	7.06	714	1.000	0.417	-0.137	0.010	0.016	0.000000	0.000000	1234.11	-459
2	FID		HRC-S-3	7.07	715	1.000	0.043	-0.009	0.007	0.012	0.000000	0.000000	-1165.39	562
3	GUIDE	used	261619776	8.77	1428	1.000	0.053	0.053	0.142	0.261	198.654383	29.401174	1288.25	-748
4	GUIDE	used	261621400	6.96	1429	1.000	-0.199	-0.058	0.114	0.195	198.901600	28.741982	48.03	1416
5	GUIDE	used	261624080	7.11	1429	1.000	0.082	-0.094	0.141	0.256	198.424651	29.817768	2295.00	-2072
6	GUIDE	used	261626352	8.58	1425	1.000	0.056	-0.128	0.161	0.283	198.417097	29.781420	2296.02	-1943
7	GUIDE	used	261629720	8.09	1428	1.000	0.014	0.216	0.108	0.185	199.236176	29.044452	-760.15	134

2.4 Star Slots

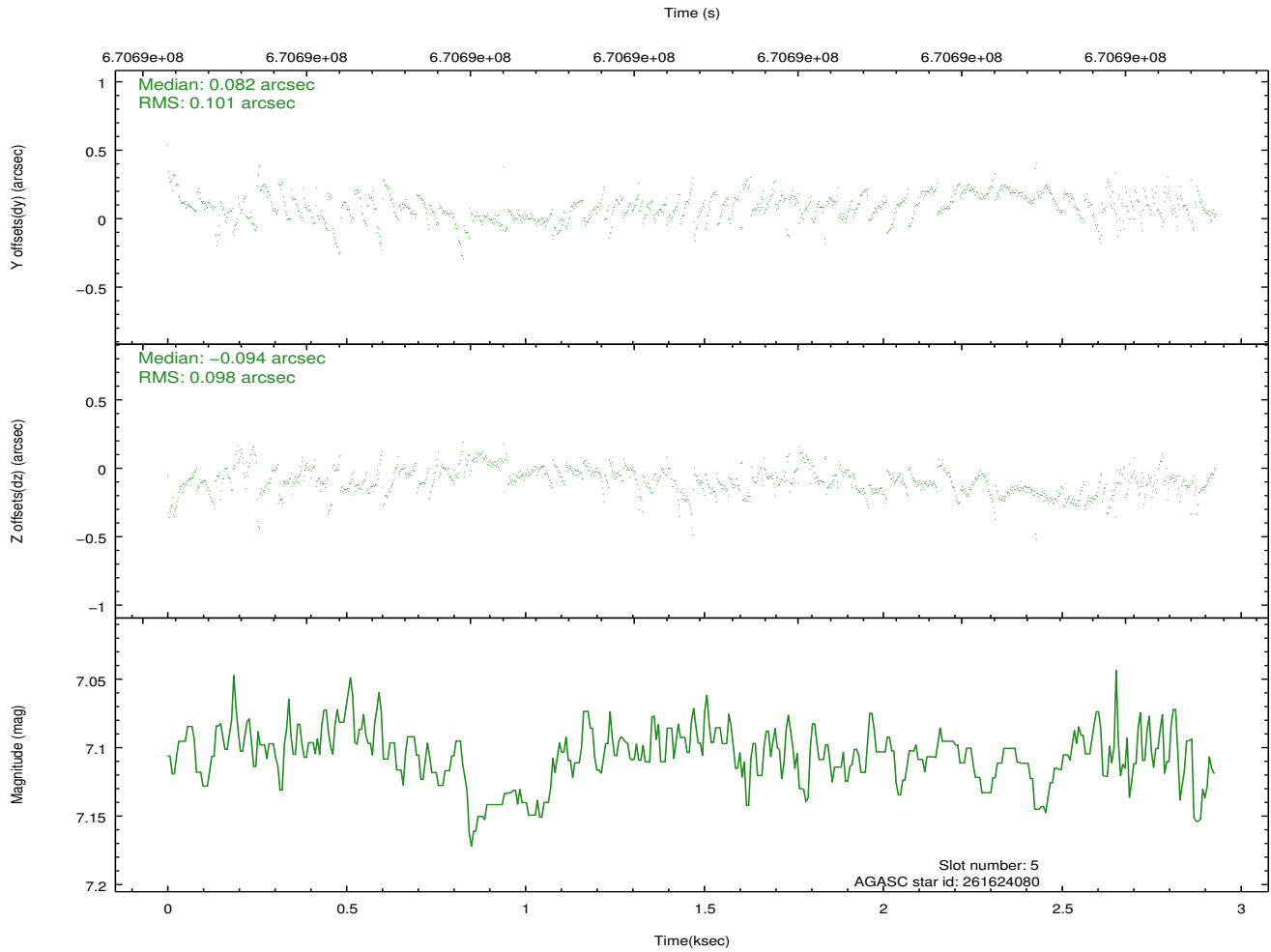
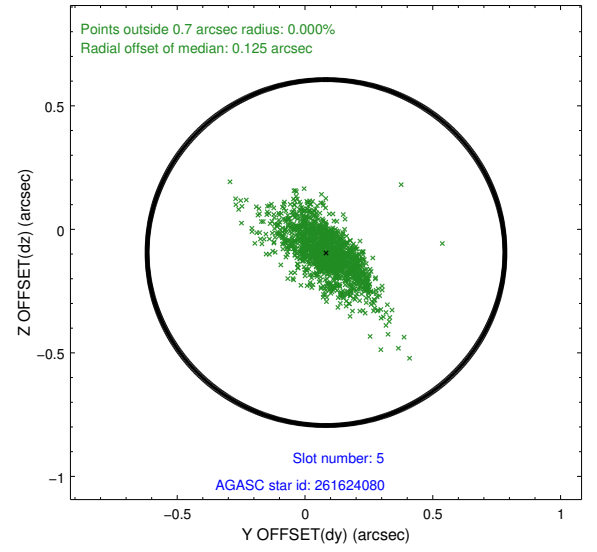
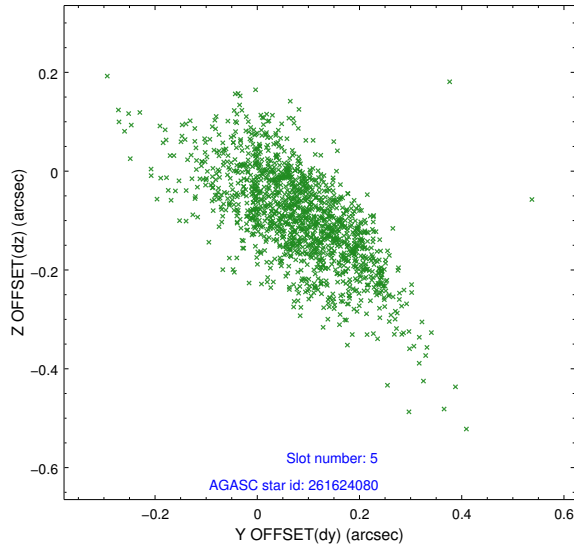
2.4.1 Slot 3



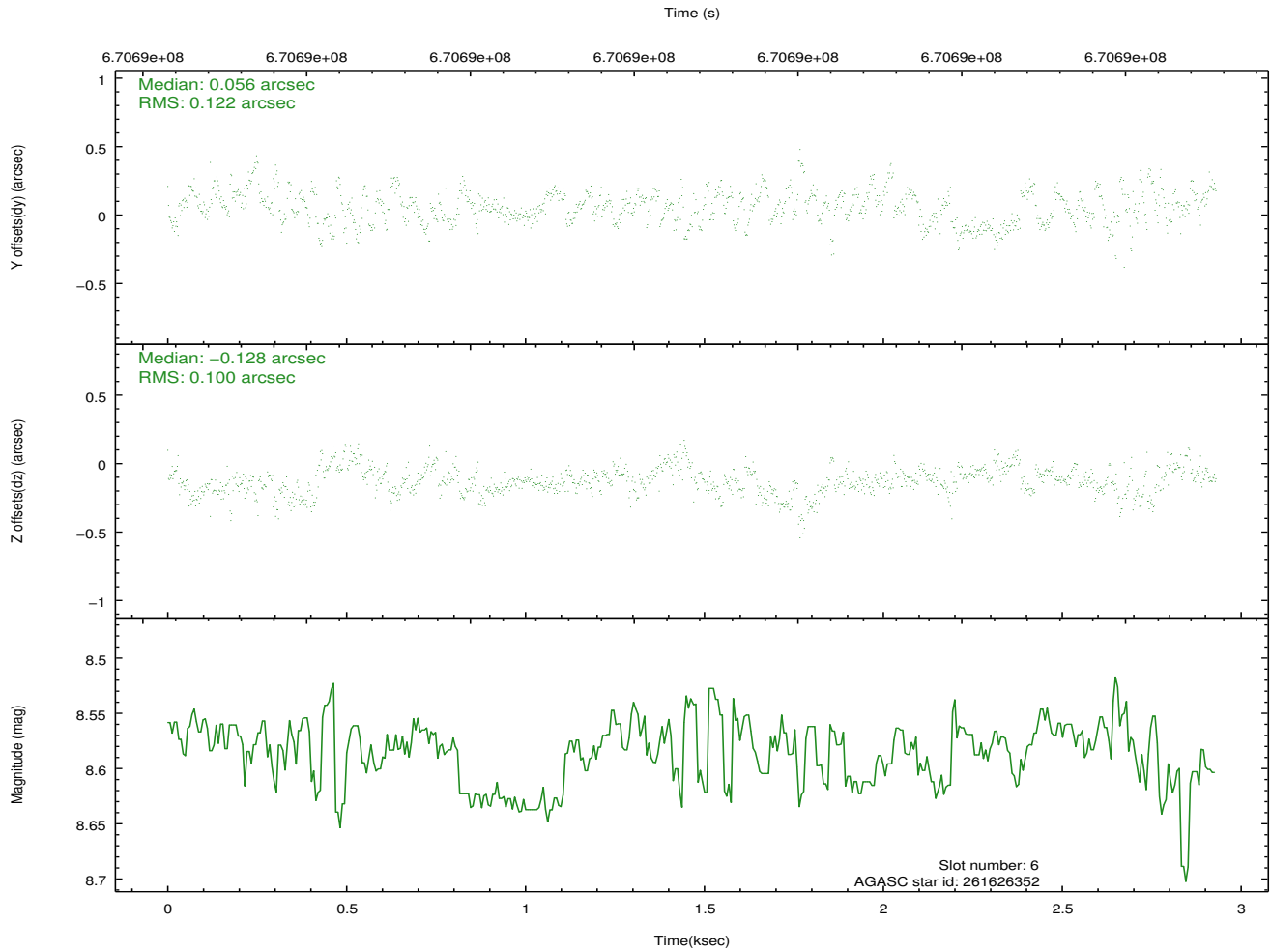
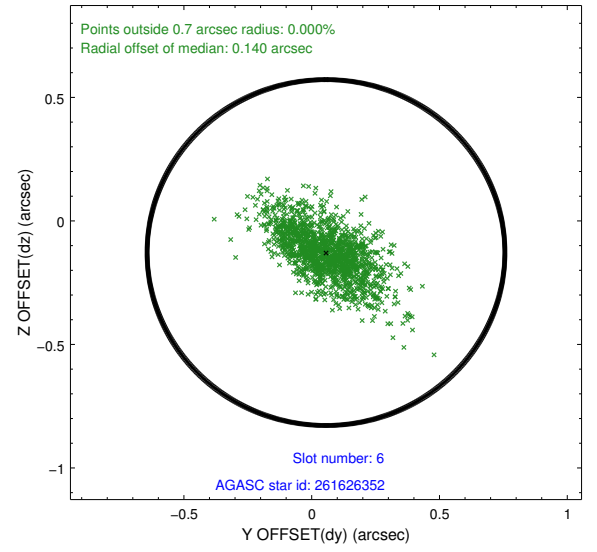
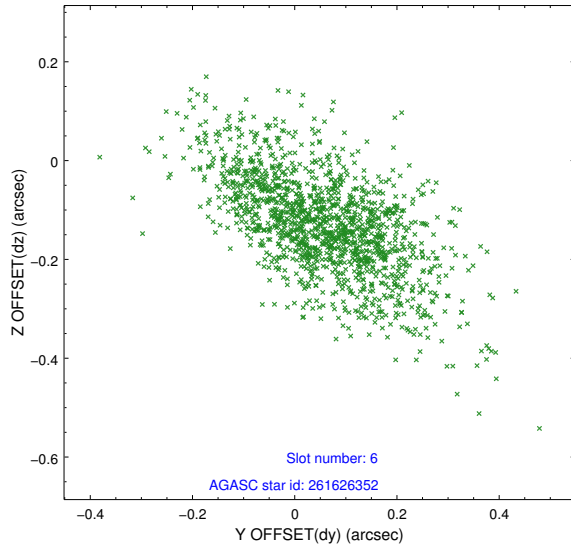
2.4.2 Slot 4



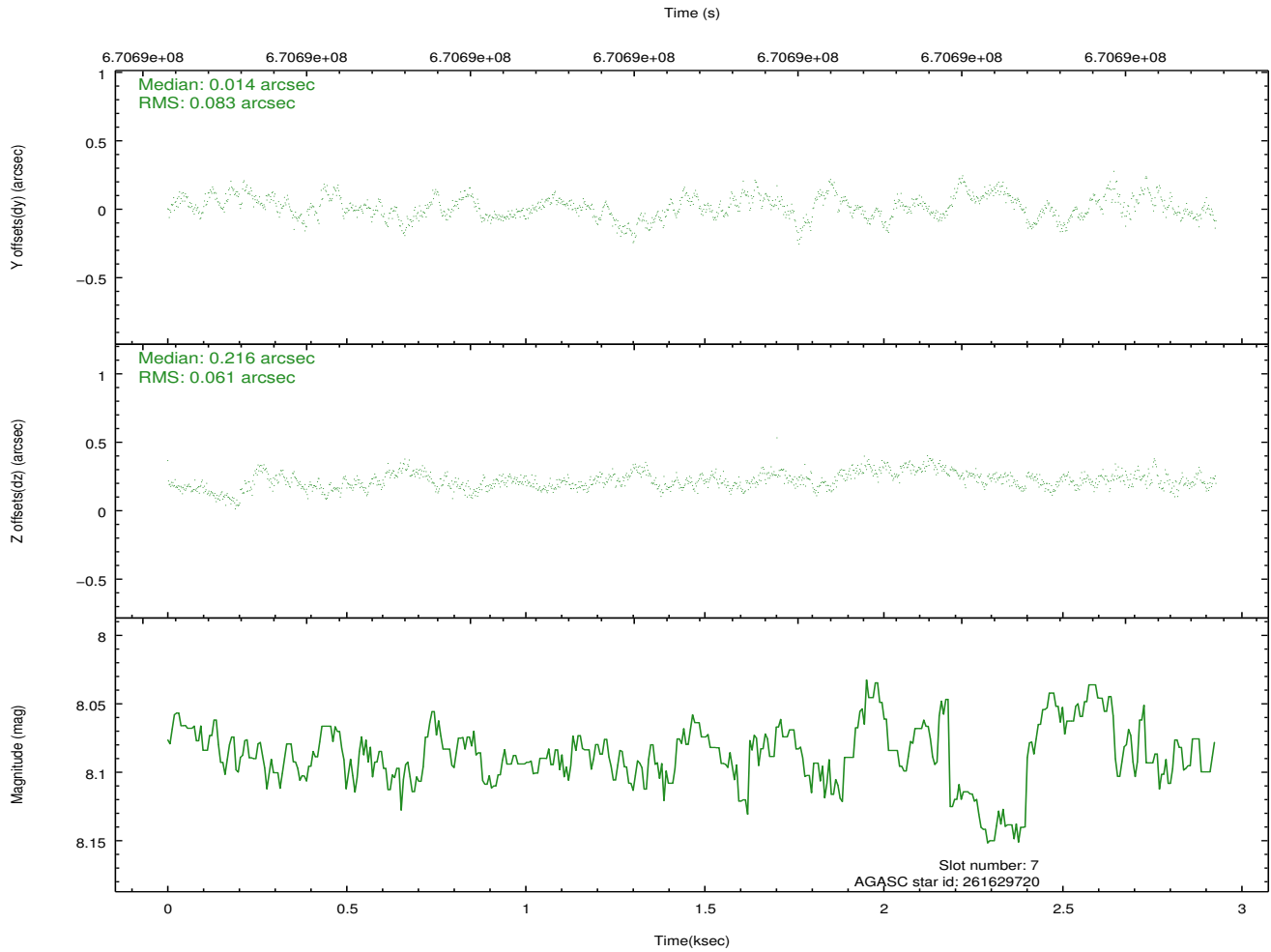
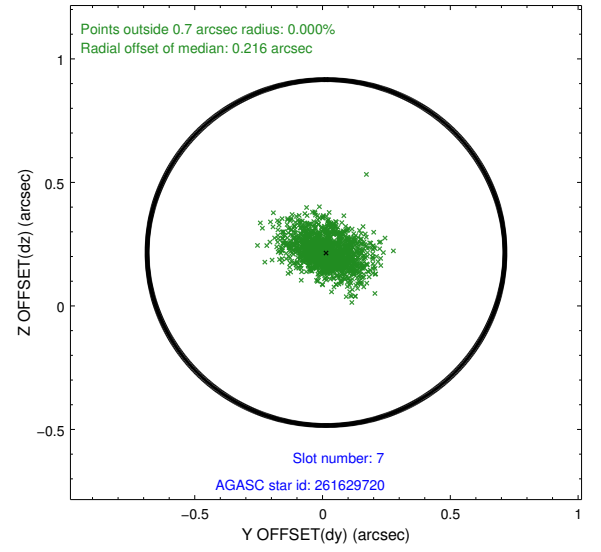
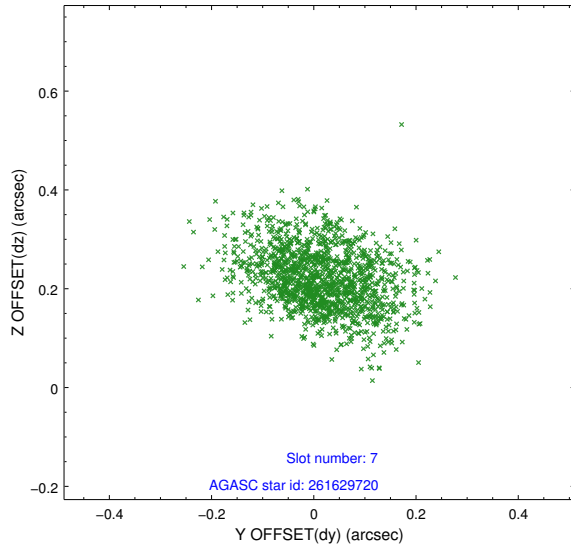
2.4.3 Slot 5



2.4.4 Slot 6

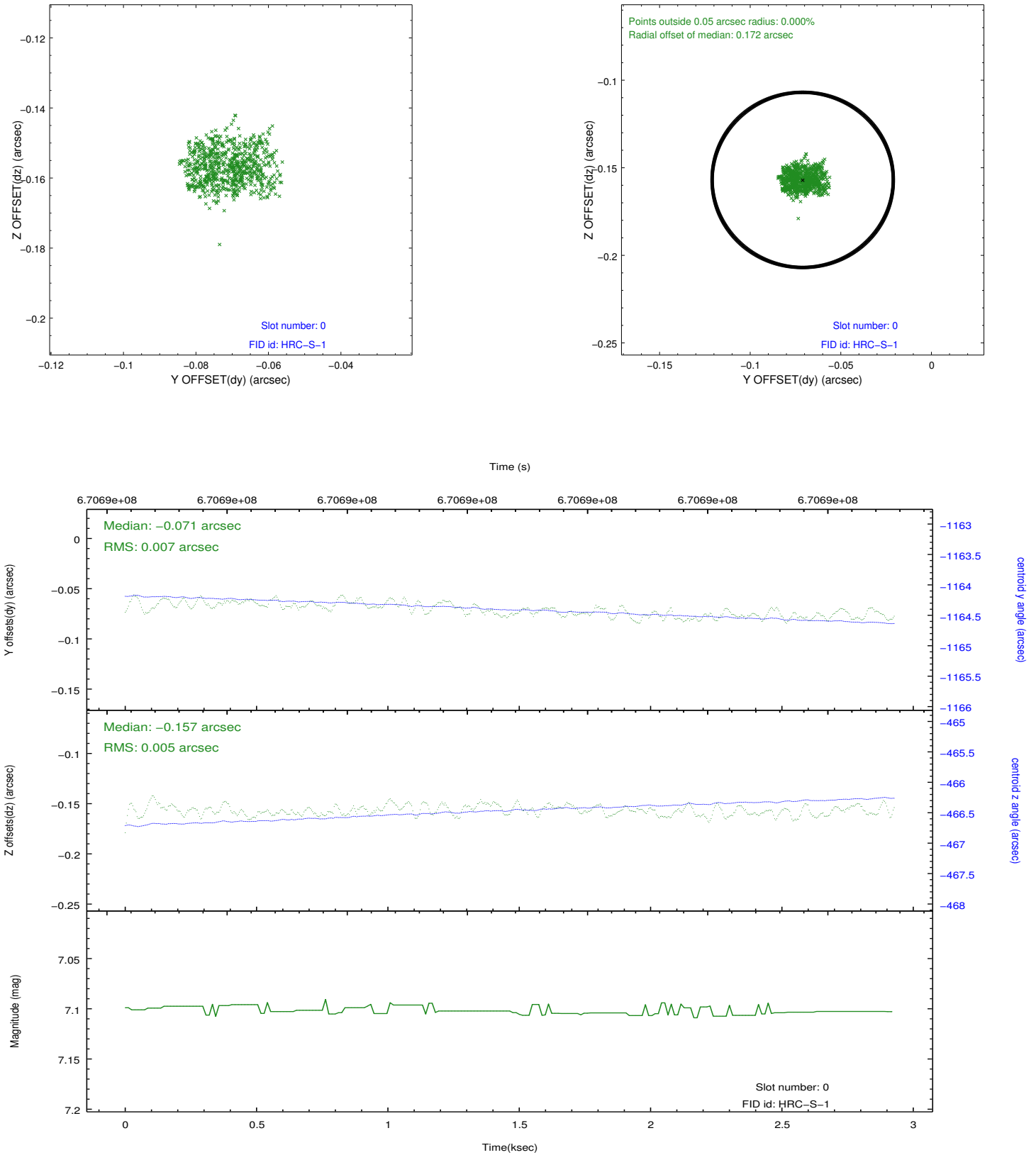


2.4.5 Slot 7

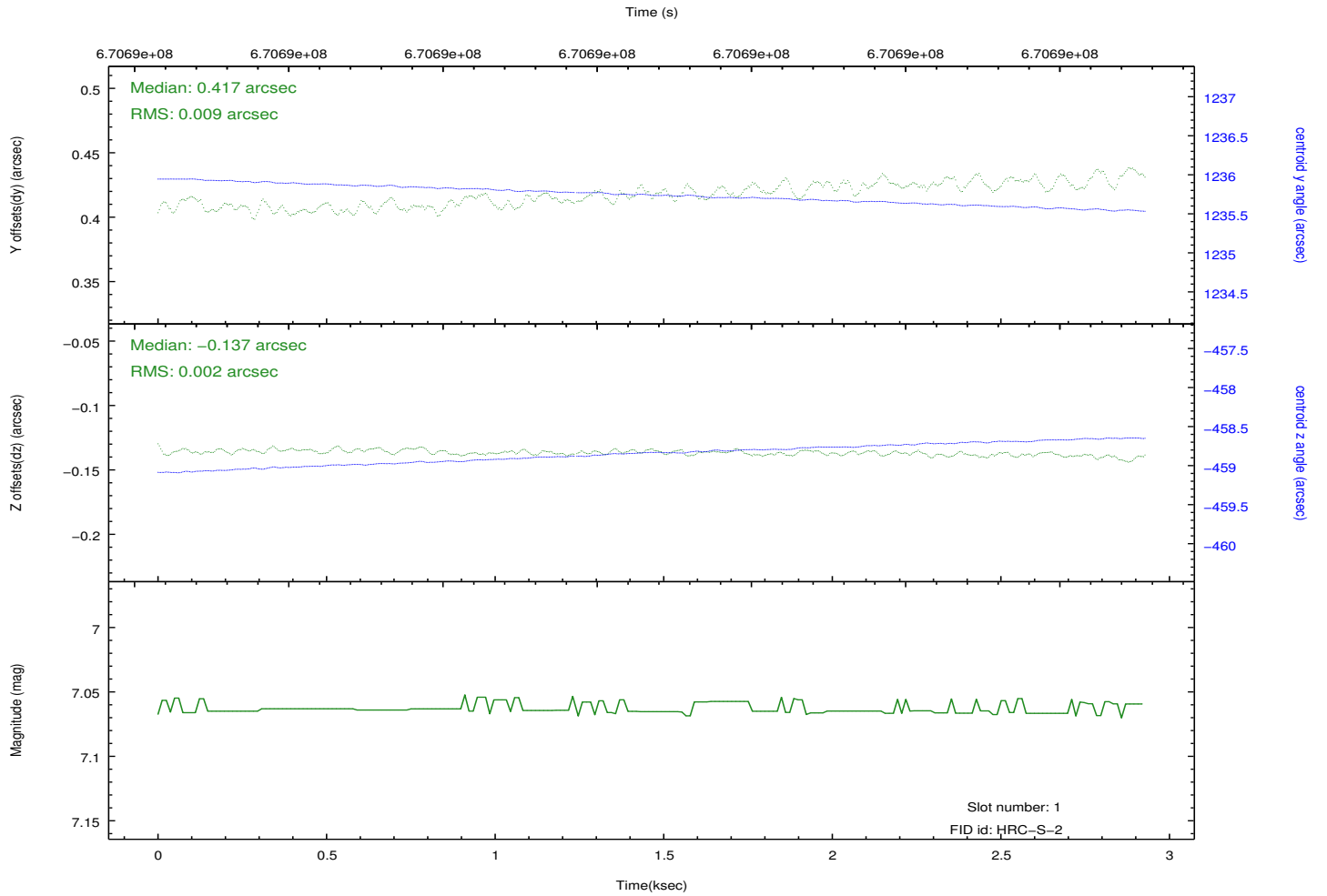
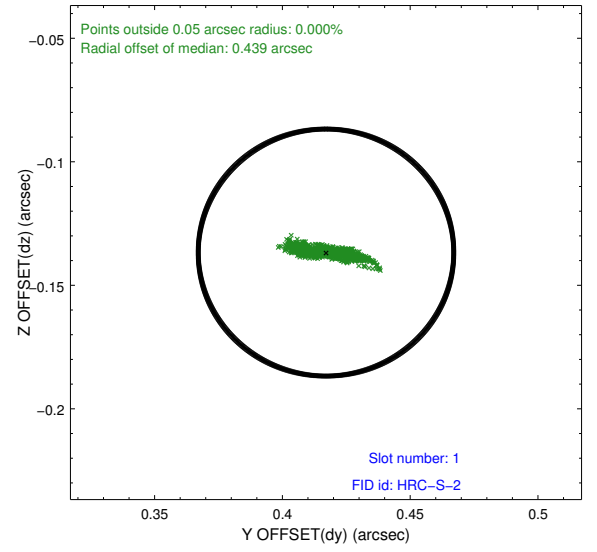
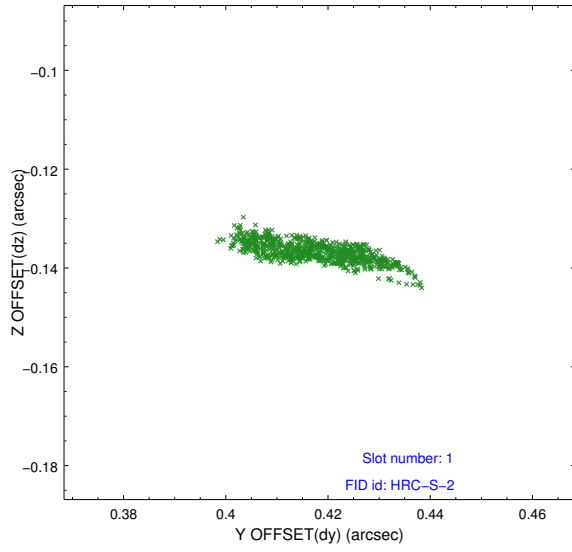


2.5 FID Slots

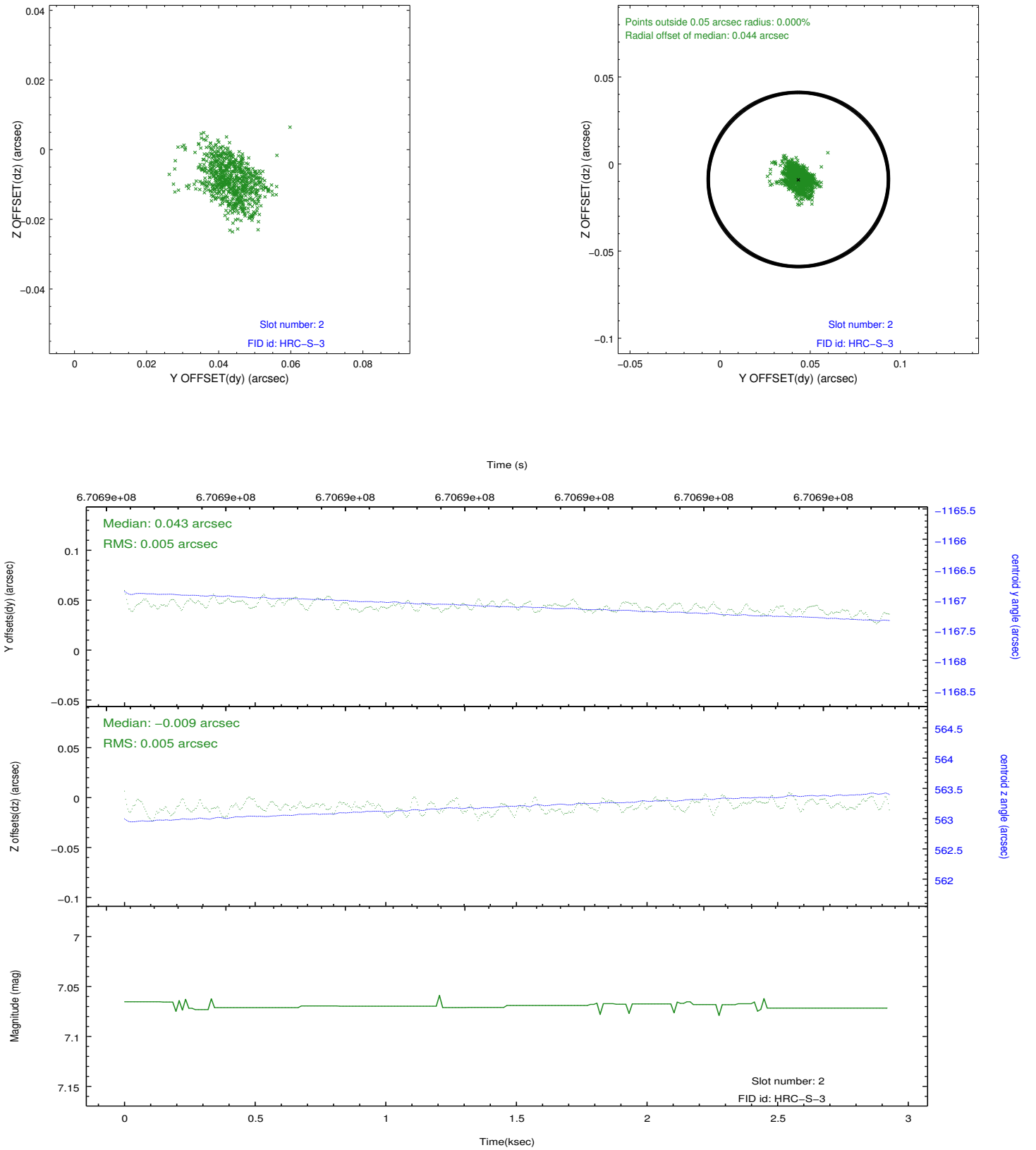
2.5.1 Slot 0



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)	2019.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.928681425333

A.2 Comments