

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21787 - L2 Version 1
Chandra X-Ray Center

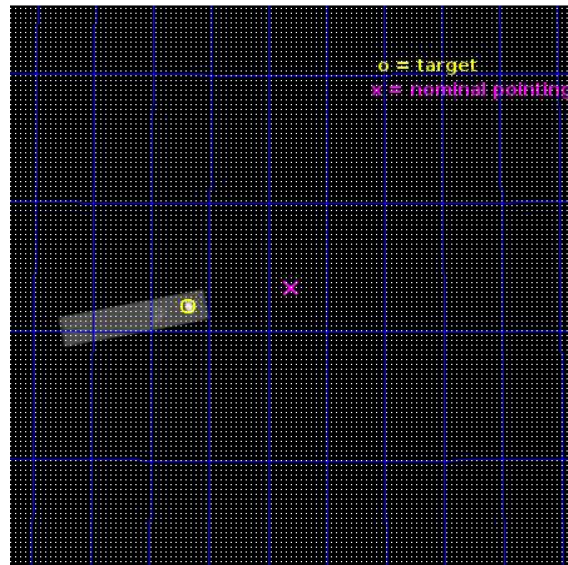
L2 Processing Date : Apr 4 2019

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1 Front

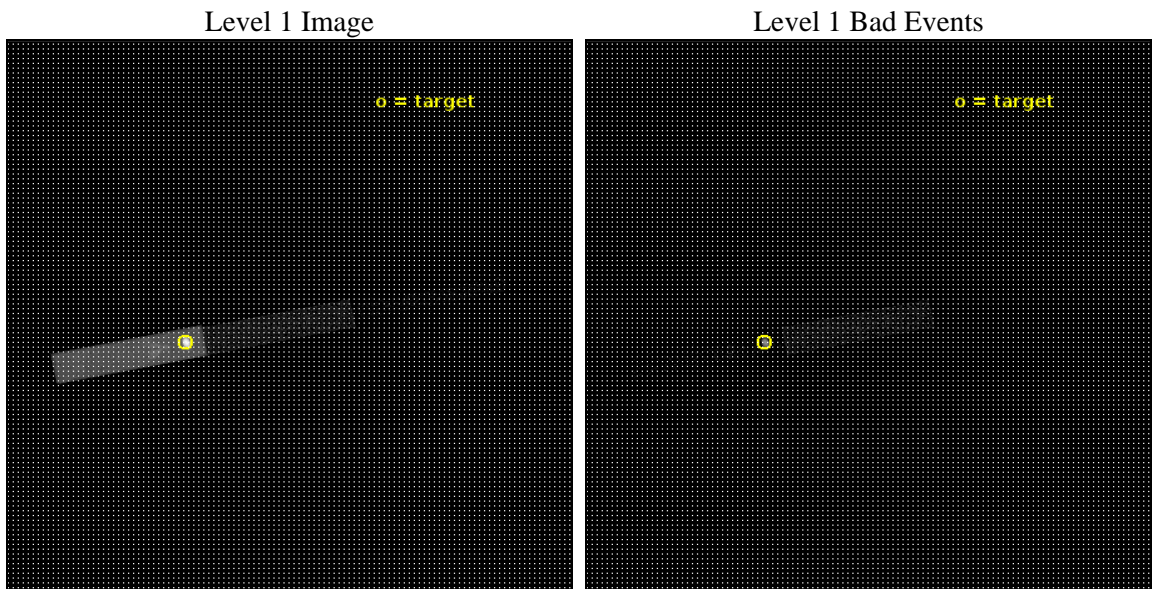
seq_num	291473	Sequence number
obs_id	21787	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	198.64941234371	Nominal RA [deg]
dec_nom	29.171291952488	Nominal Dec [deg]
roll_nom	168.65206485965	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1827.8313781023	[s]
livetime	1332.5909431083	Ontime multiplied by DTCOR
l2events	318202	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	1700.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1827.8313781023	[s]
caldbver	4.8.2	 	l1events	449670	Number of level 1 events
date	2019-04-04T11:34:40	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

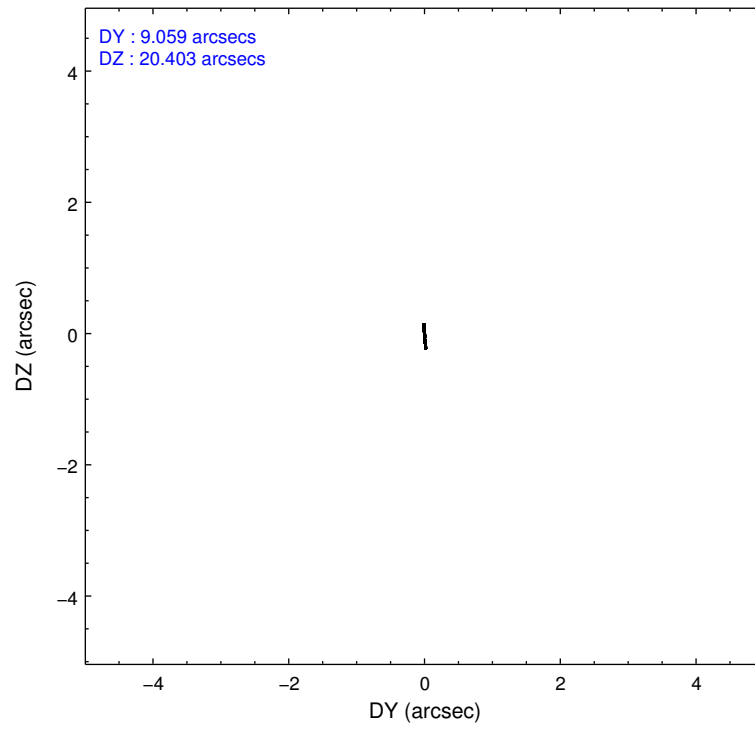
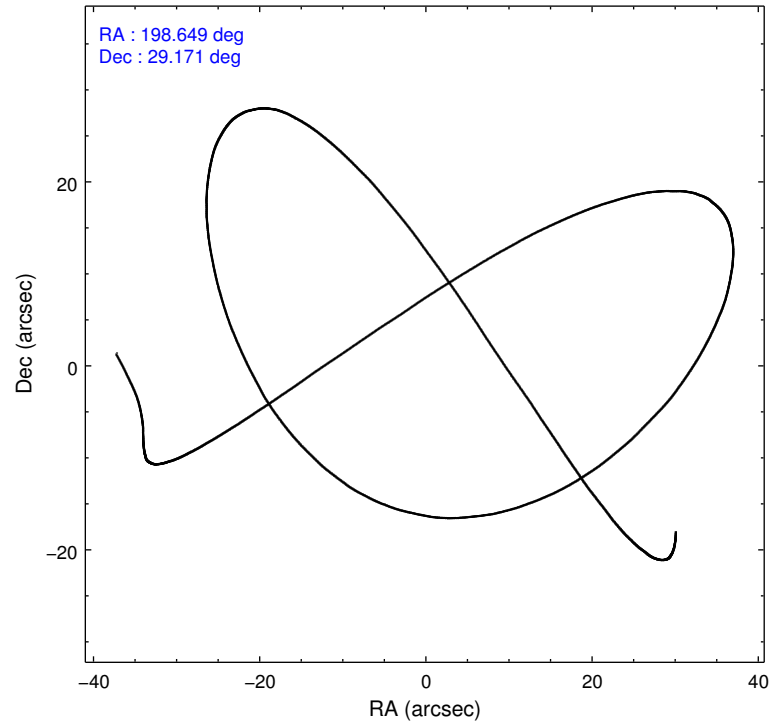
	segment 1	segment 2	segment 3
level 1 events	441673	7368	629
rejected events	104663	7296	629
rejected %	23%	99%	100%

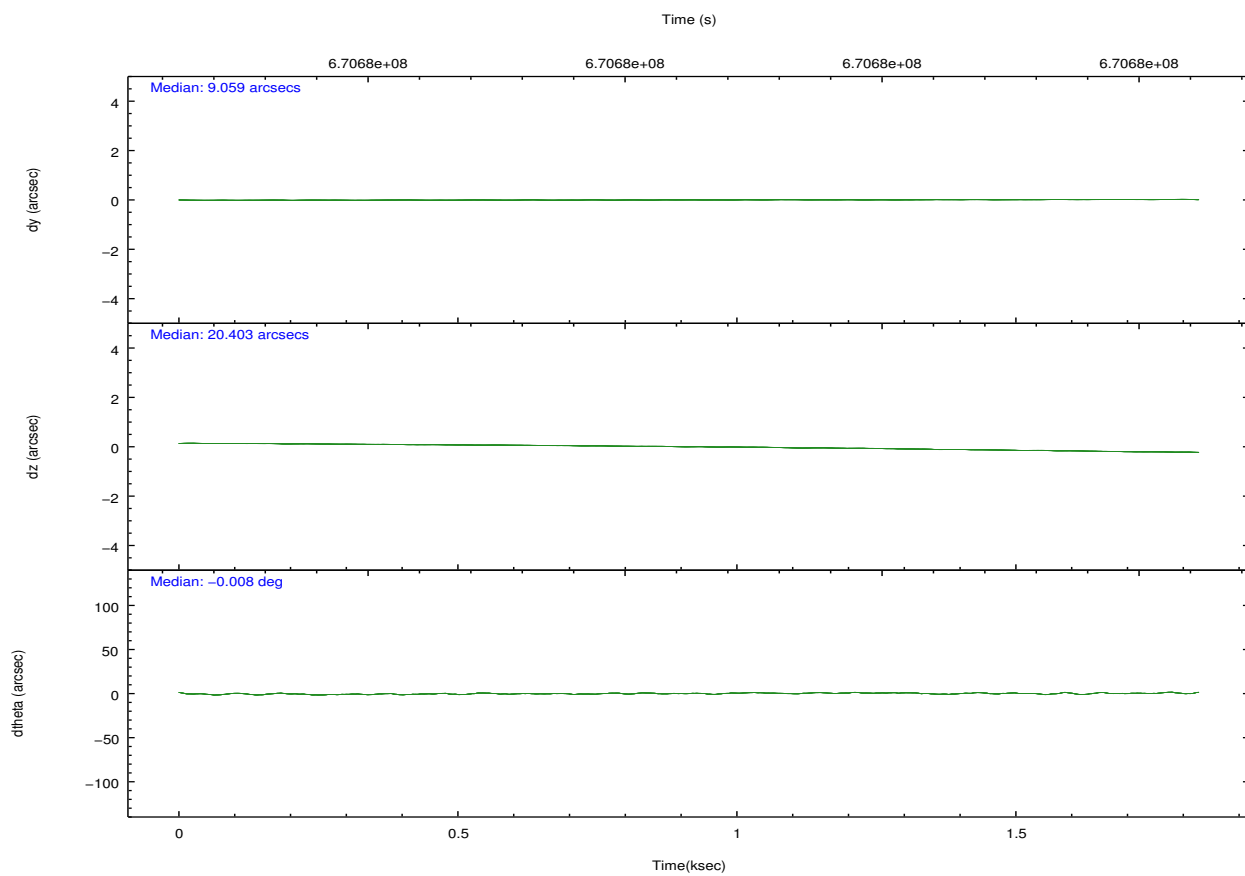
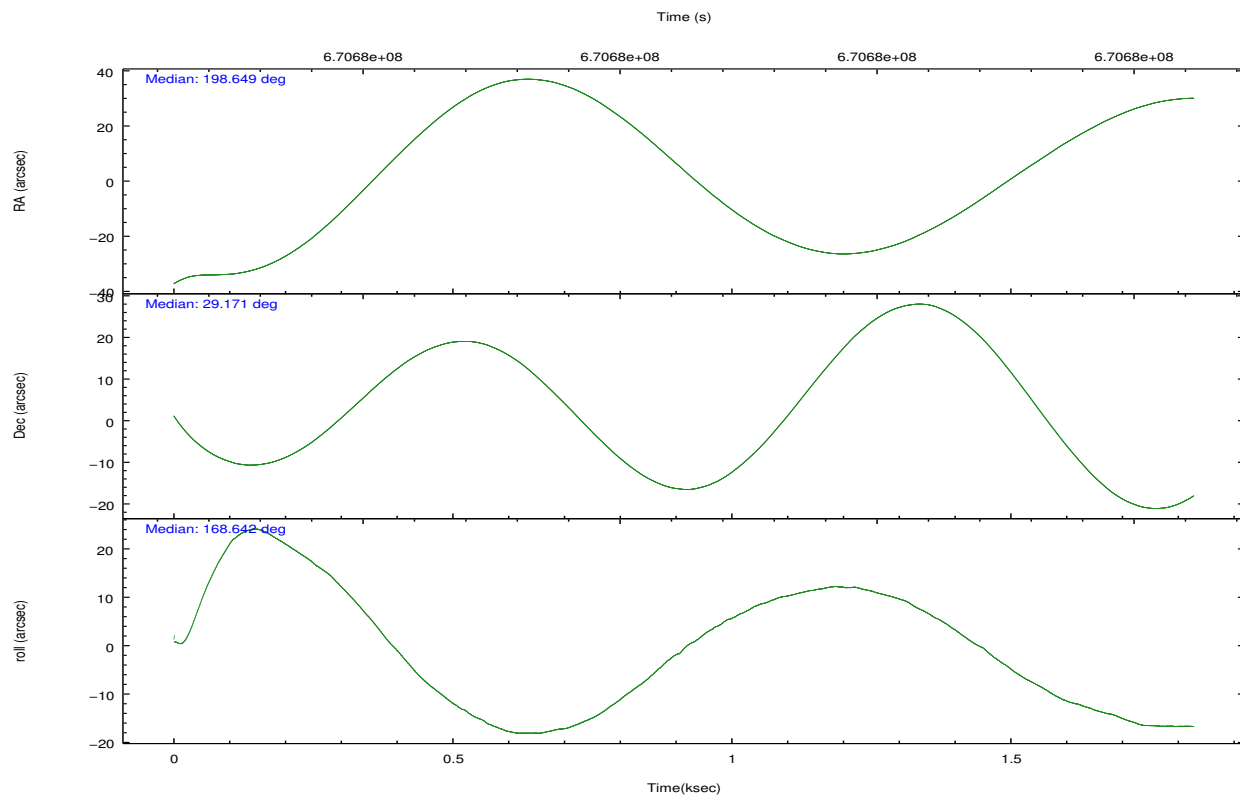
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	198.680700	198.6494123437112
[deg] Pointing Dec	29.182353	29.17129195248791
[deg] Pointing Roll	168.569599	168.6520648596511
[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)	670677842.184000	670676646.97702
Observation start date	2019-04-03T11:22:53	2019-04-03T11:04:06
[s] Observation end time (MET)	670679542.184000	670679675.8522201
Observation end date	2019-04-03T11:51:13	2019-04-03T11:54:35

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



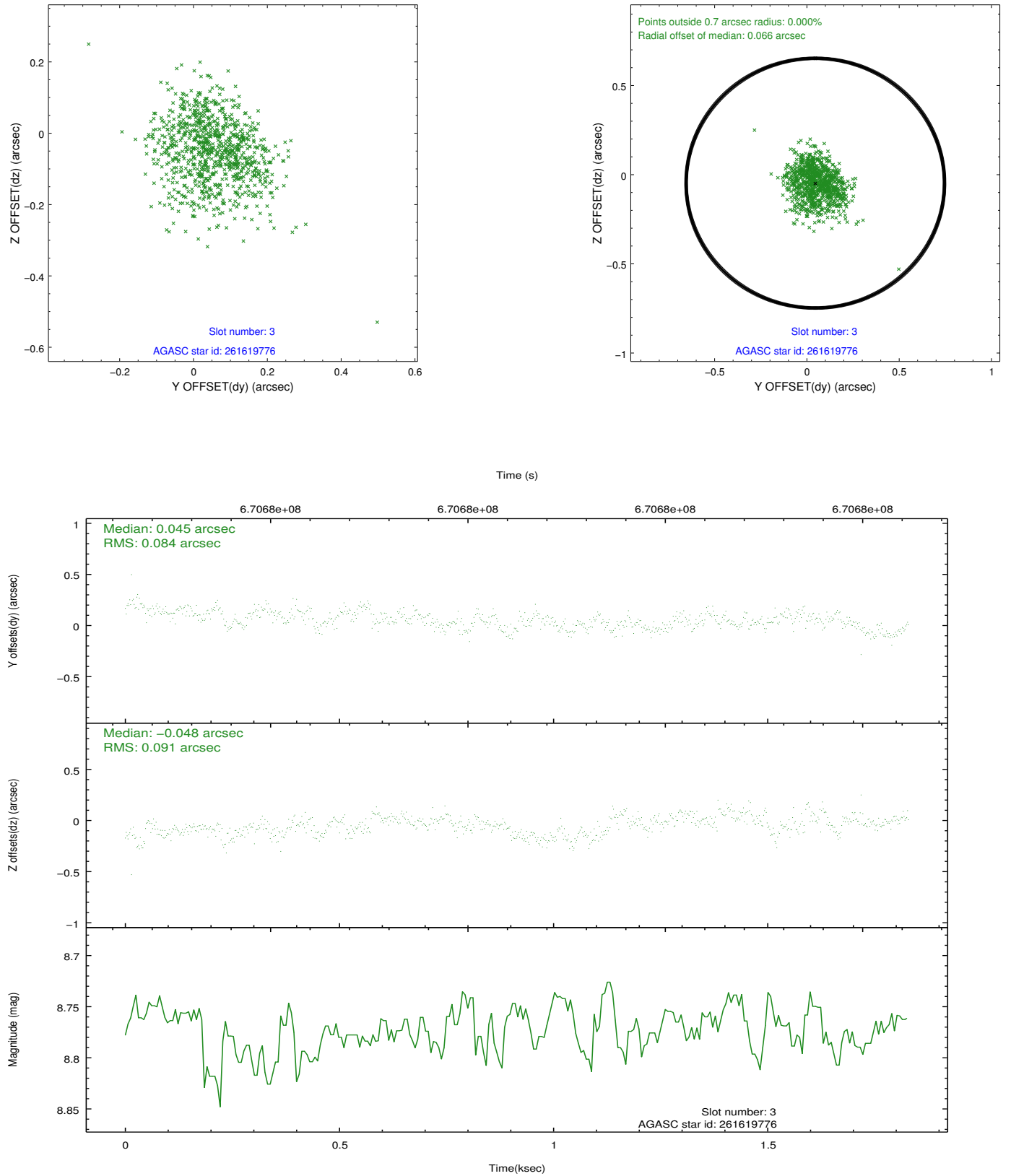


Slot Statistics

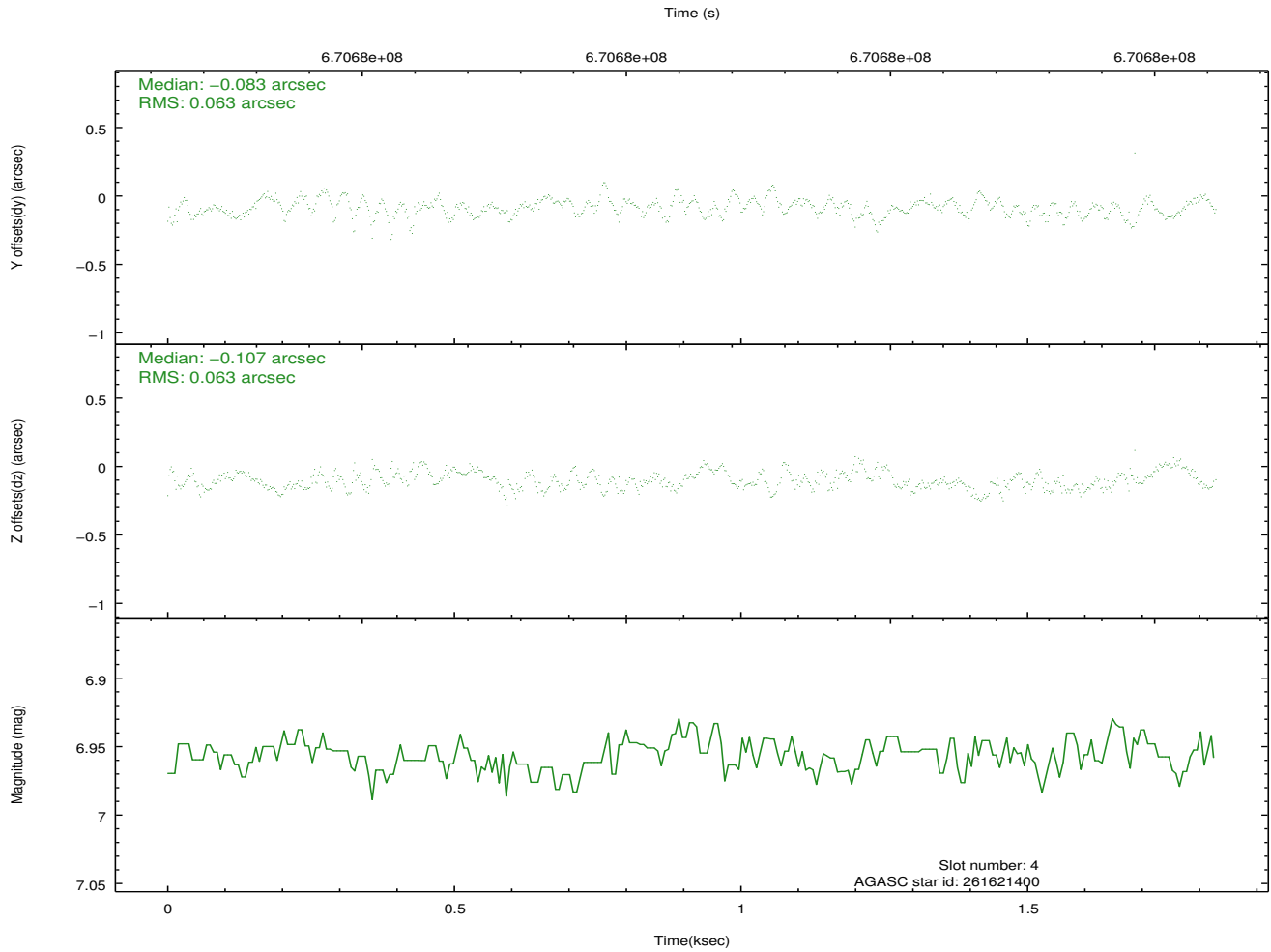
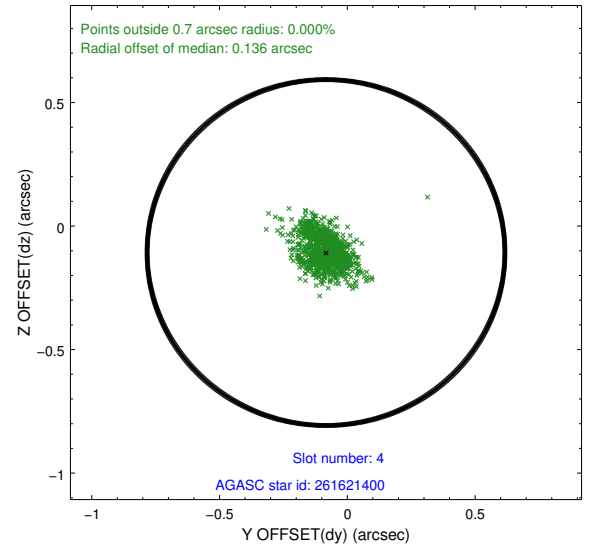
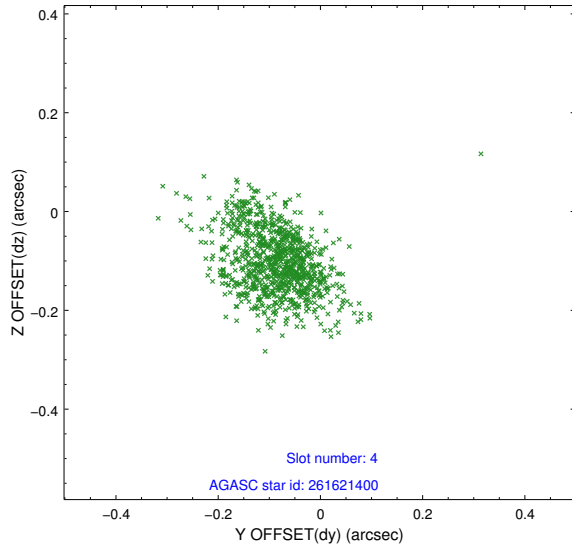
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.08	447	1.000	-0.070	-0.227	0.007	0.014	0.000000	0.000000	-1163.37	-469
1	FID		HRC-S-2	7.05	446	1.000	0.410	-0.134	0.005	0.009	0.000000	0.000000	1234.16	-462
2	FID		HRC-S-3	7.07	446	1.000	0.050	0.058	0.008	0.015	0.000000	0.000000	-1163.29	559
3	GUIDE	used	261619776	8.77	893	1.000	0.045	-0.048	0.132	0.205	198.654383	29.401174	235.21	-757
4	GUIDE	used	261621400	6.96	893	1.000	-0.083	-0.107	0.091	0.153	198.901600	28.741982	-997.78	1412
5	GUIDE	used	261624080	7.07	893	1.000	0.039	-0.008	0.105	0.180	198.424651	29.817768	1236.08	-2084
6	GUIDE	used	261629720	8.07	893	1.000	-0.023	0.186	0.092	0.158	199.236176	29.044452	-1810.30	131
7	GUIDE	used	261626352	8.58	891	1.000	0.027	-0.026	0.122	0.232	198.417097	29.781420	1235.09	-1953

2.4 Star Slots

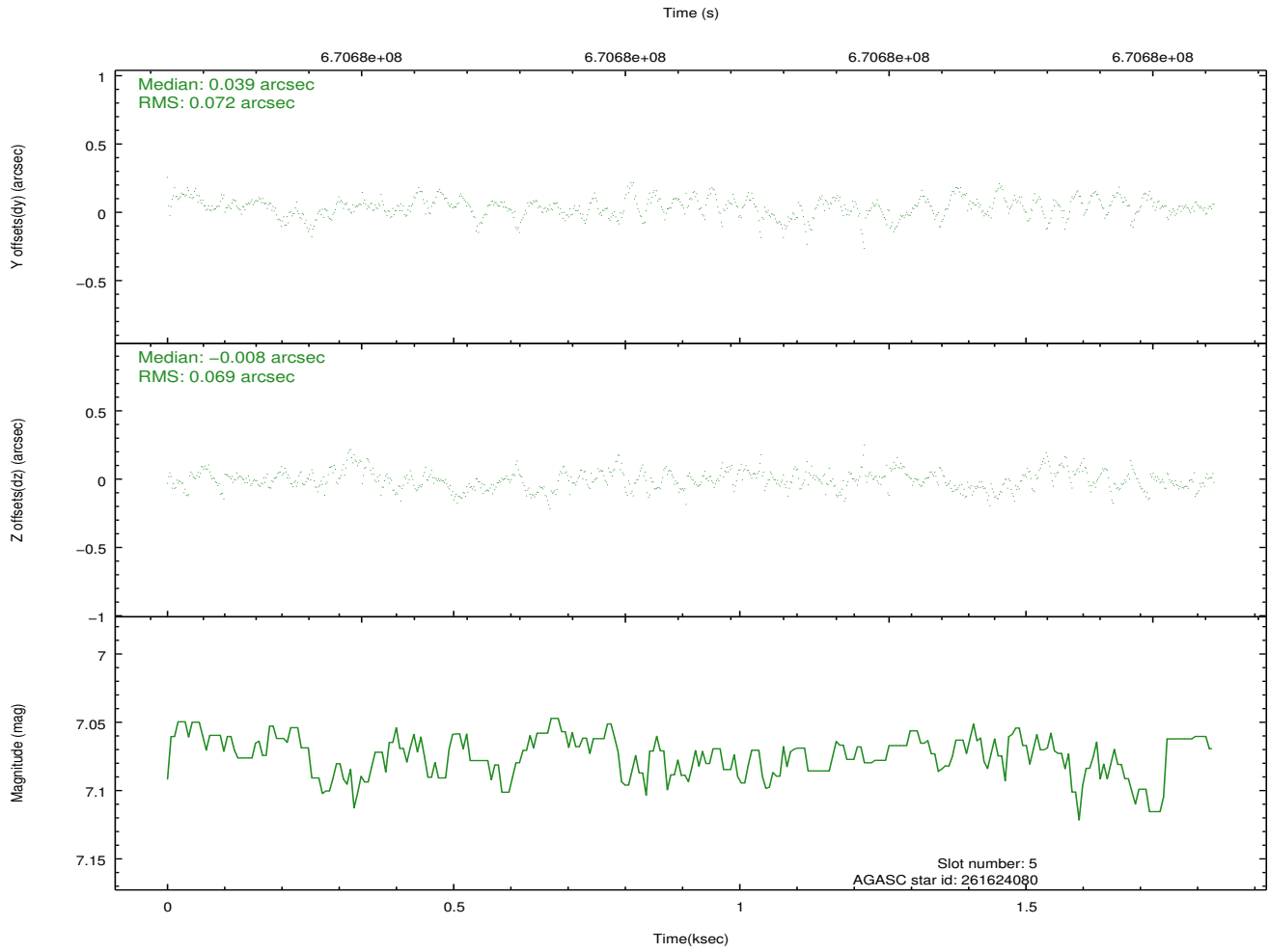
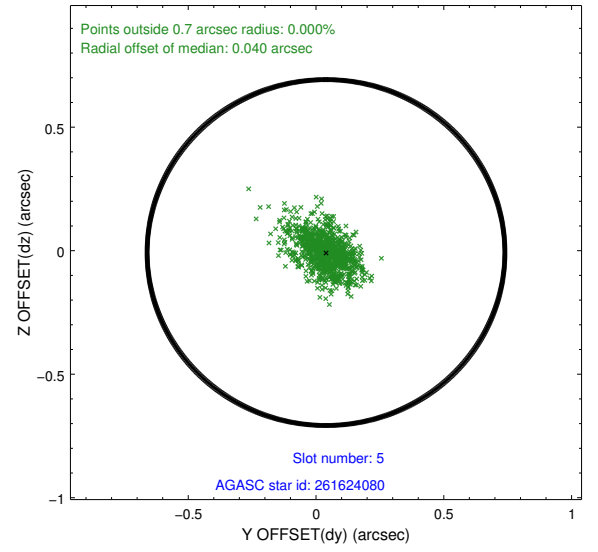
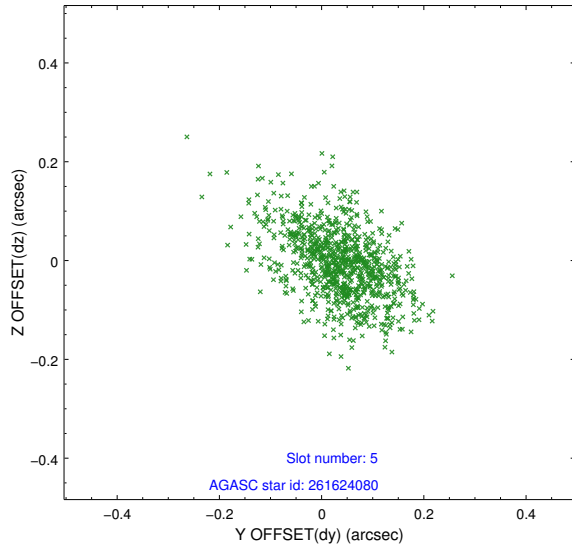
2.4.1 Slot 3



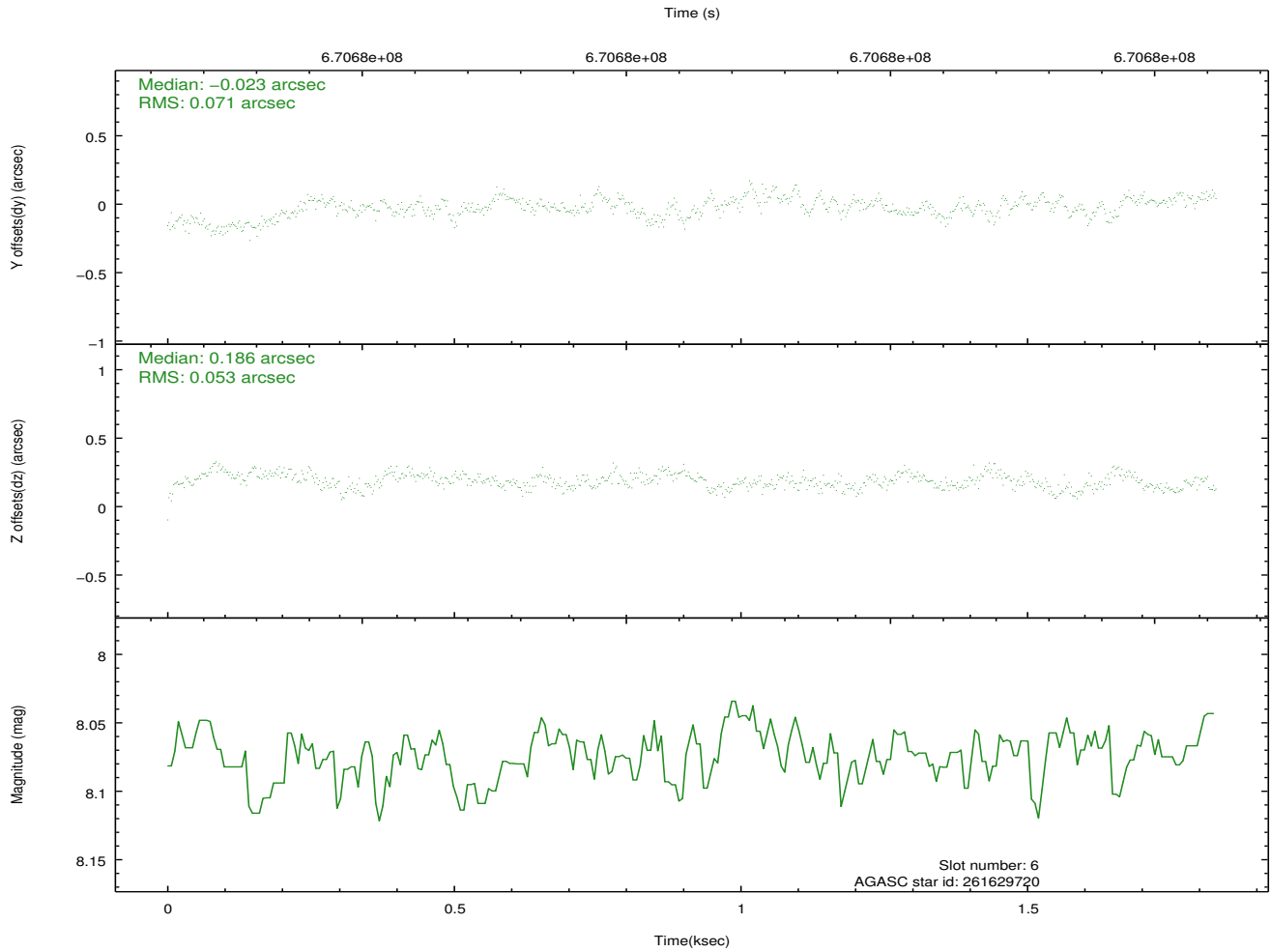
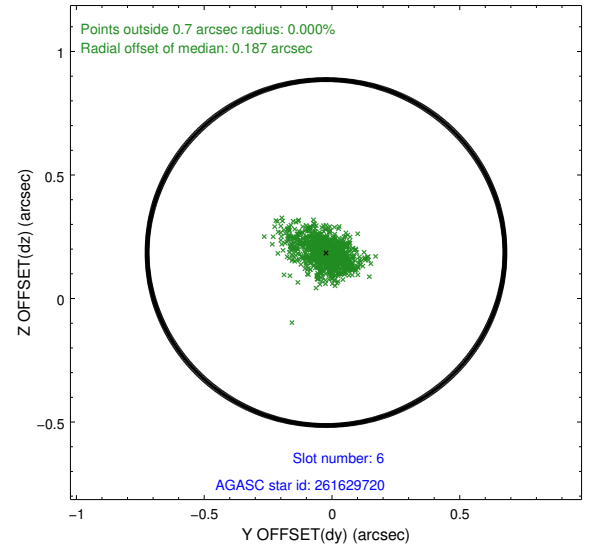
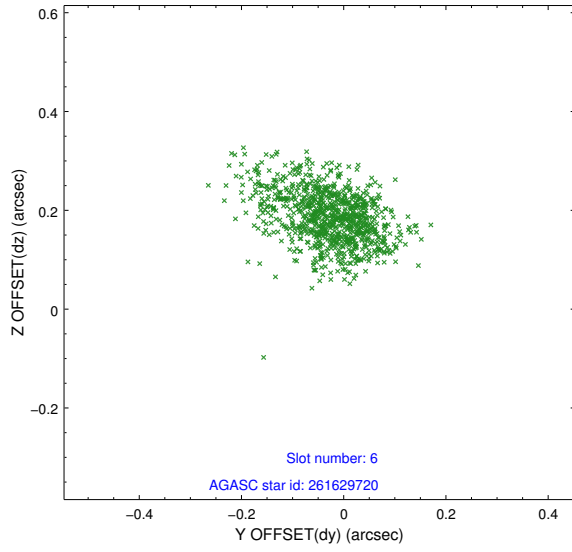
2.4.2 Slot 4



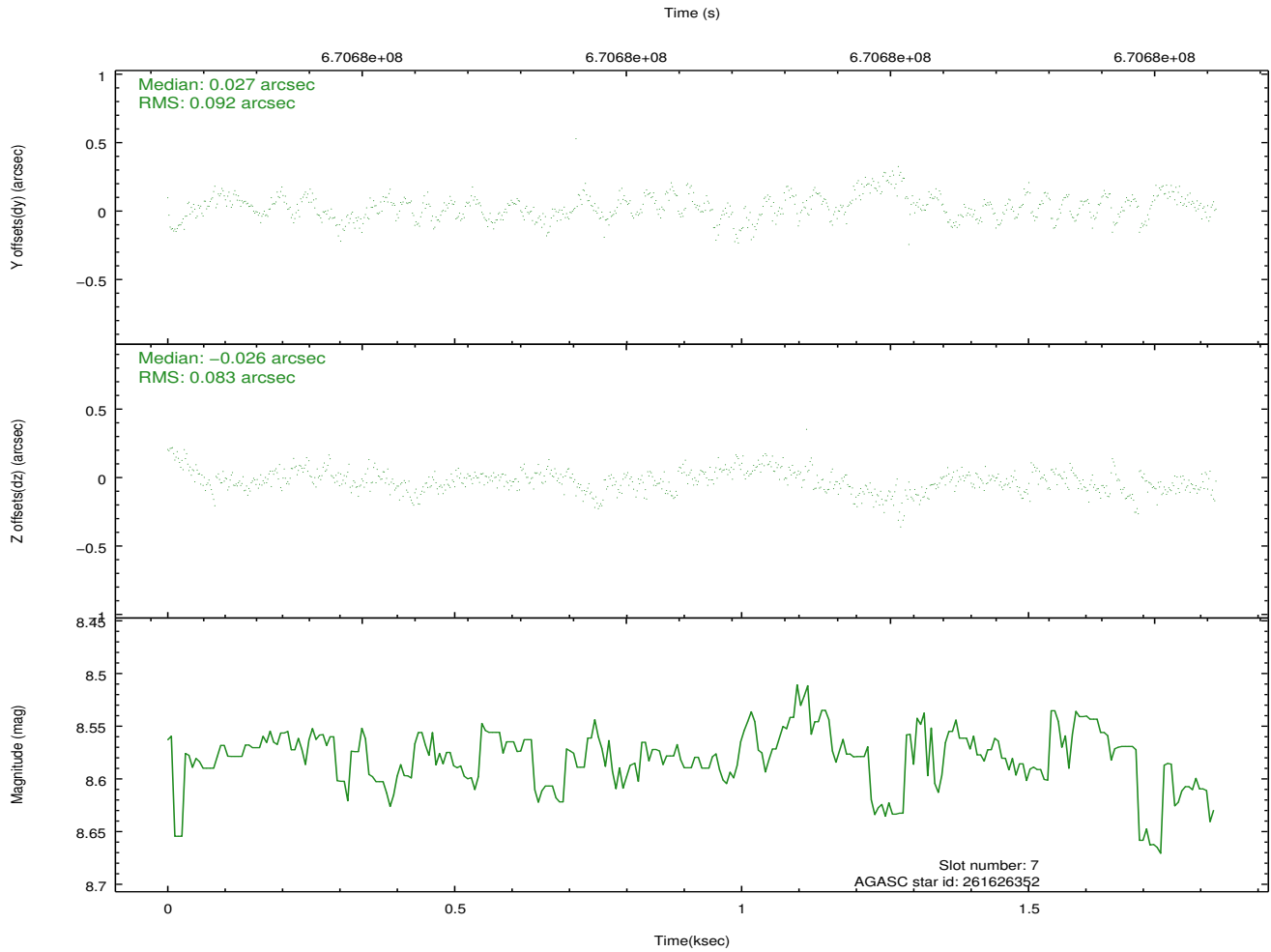
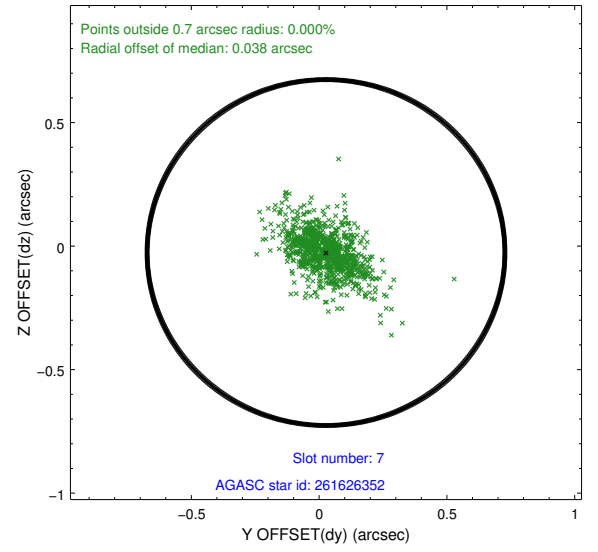
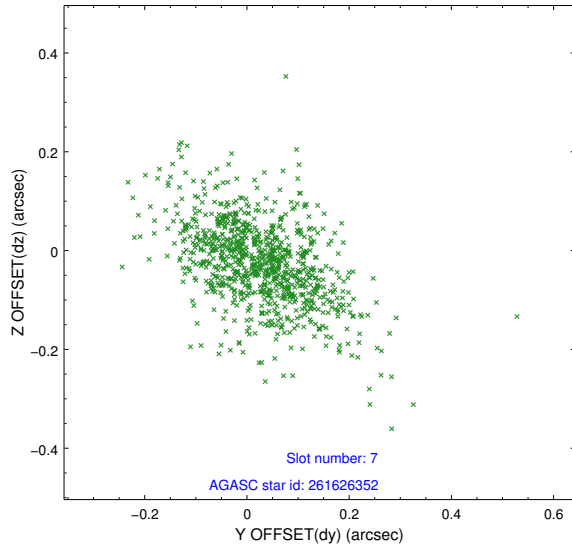
2.4.3 Slot 5



2.4.4 Slot 6

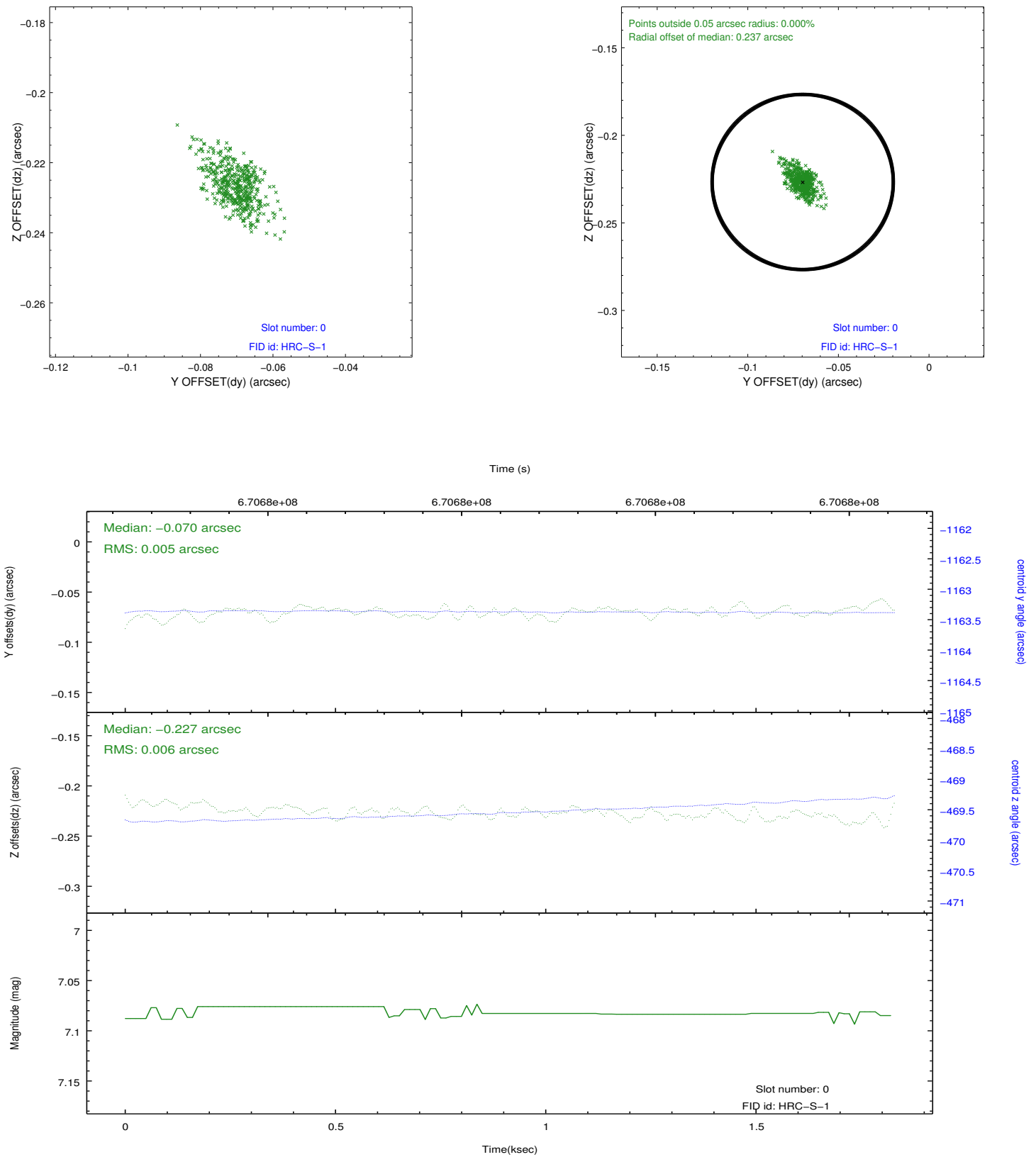


2.4.5 Slot 7

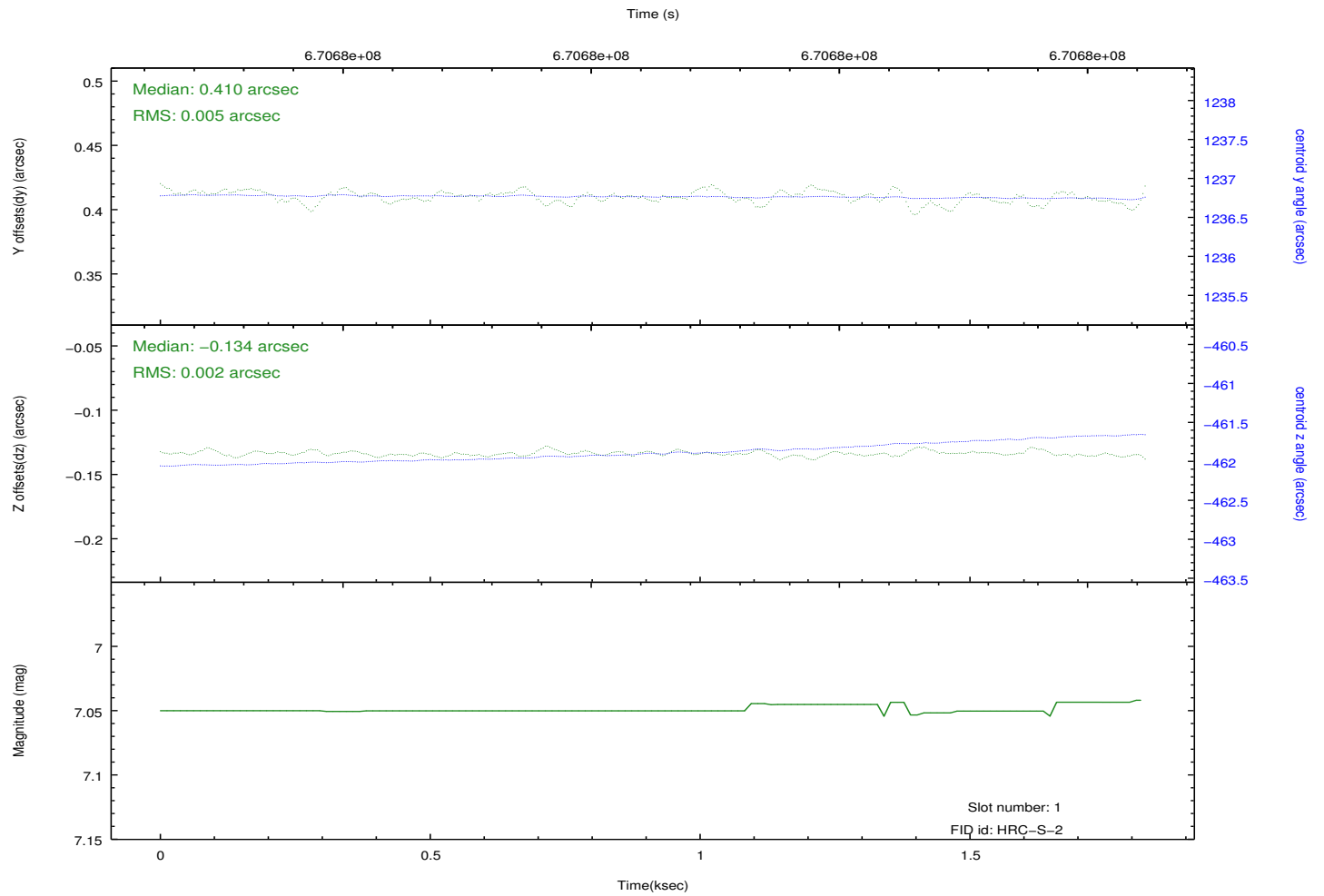
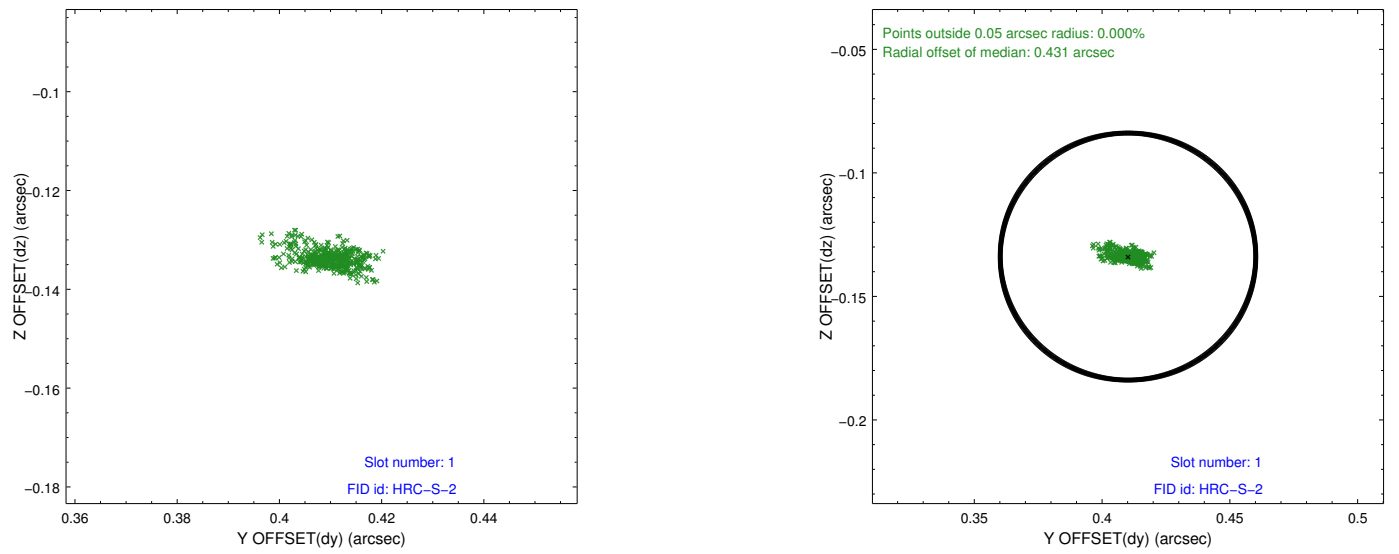


2.5 FID Slots

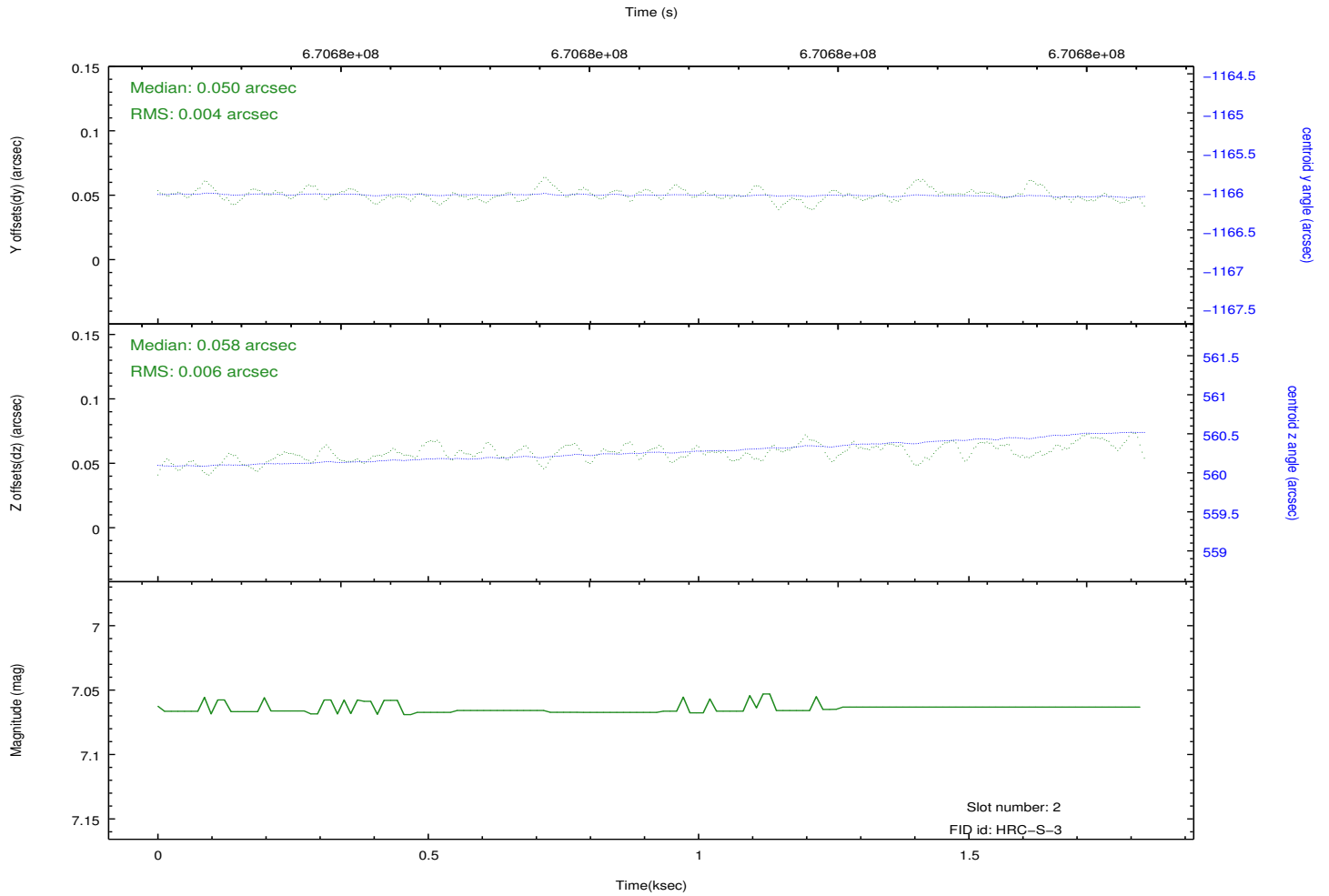
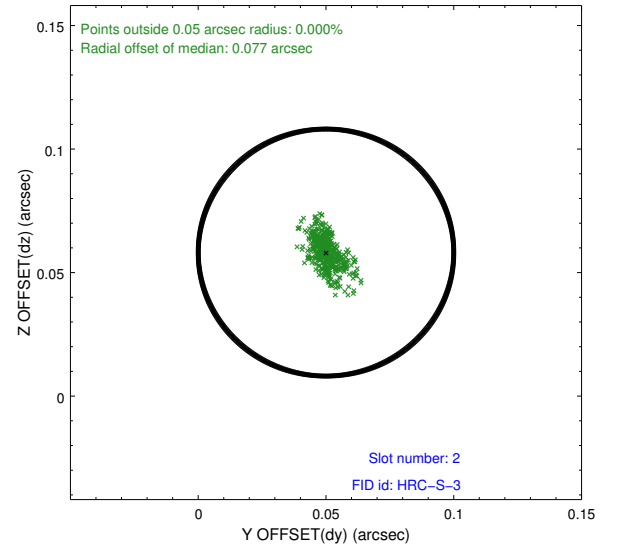
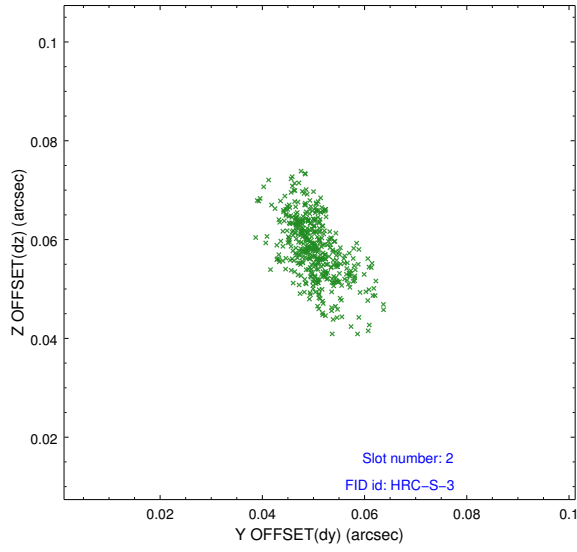
2.5.1 Slot 0



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	1.8278313781023

A.2 Comments

Window constraint met.