

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21793 - L2 Version 1
Chandra X-Ray Center

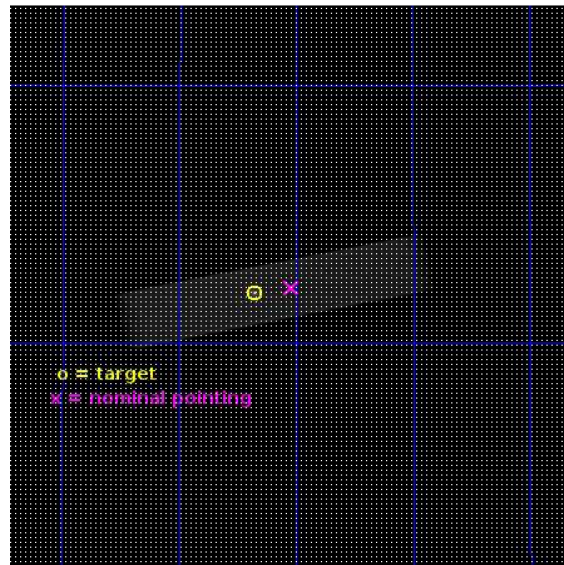
L2 Processing Date : Apr 4 2019

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1 Front

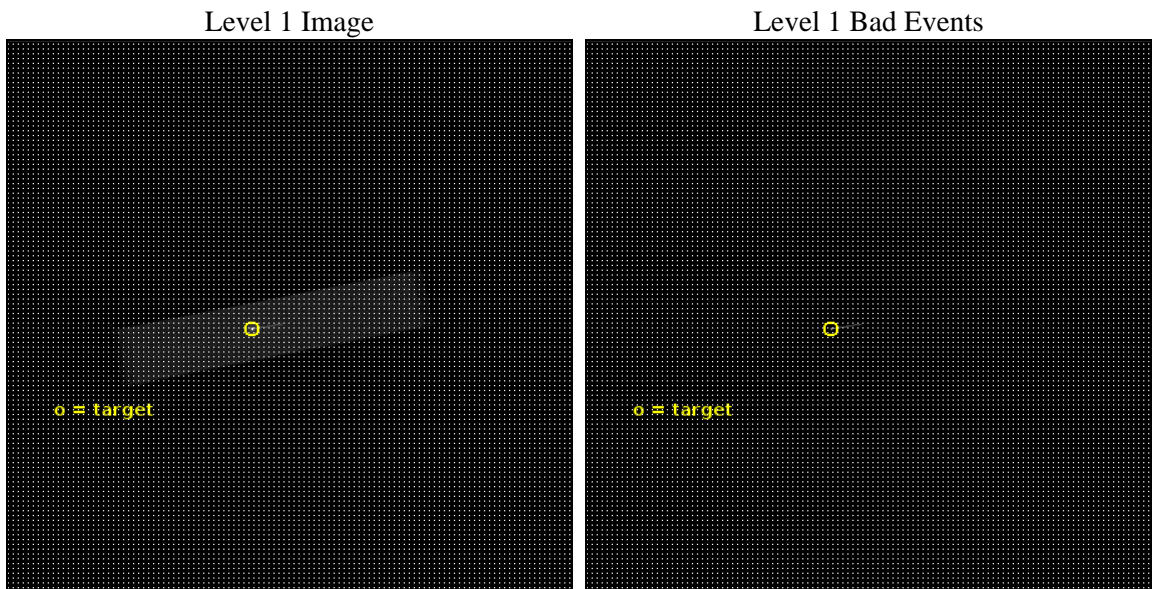
seq_num	291479	Sequence number
obs_id	21793	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	199.01038850584	Nominal RA [deg]
dec_nom	29.107531117822	Nominal Dec [deg]
roll_nom	168.28985180721	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2918.431424737	[s]
livetime	2882.2615661497	Ontime multiplied by DTCOR
l2events	358069	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	2918.431424737	[s]
caldsver	4.8.2	 	l1events	433418	Number of level 1 events
date	2019-04-04T11:34:49	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

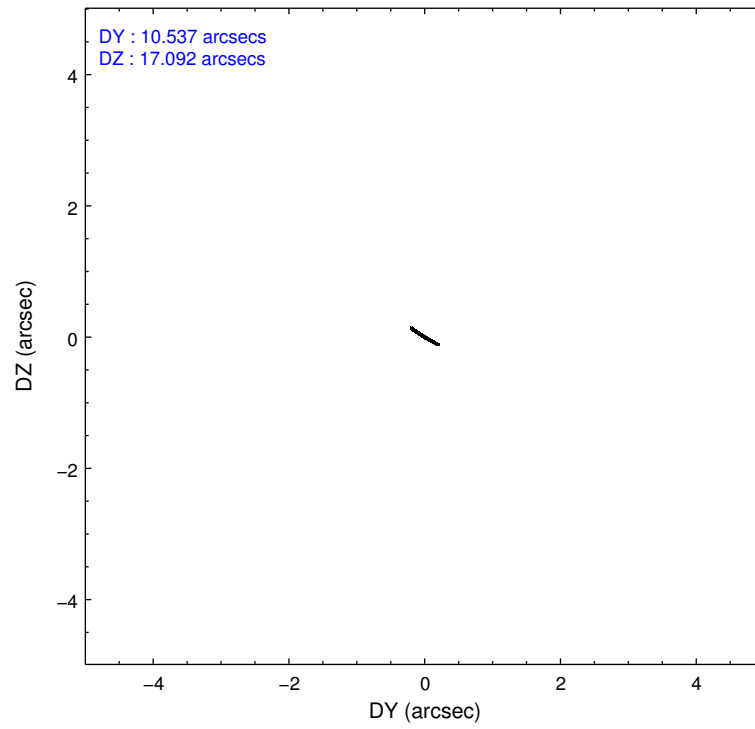
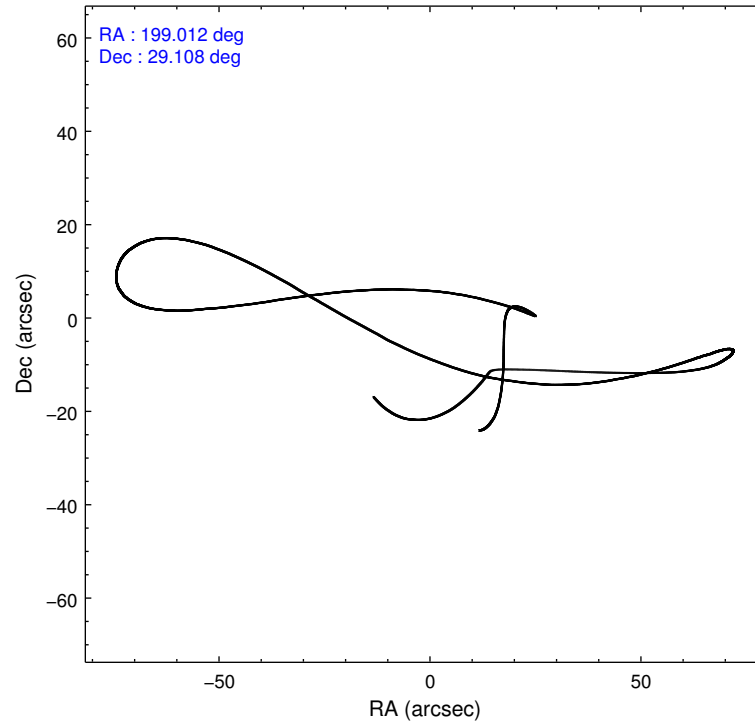
Level 1 Events

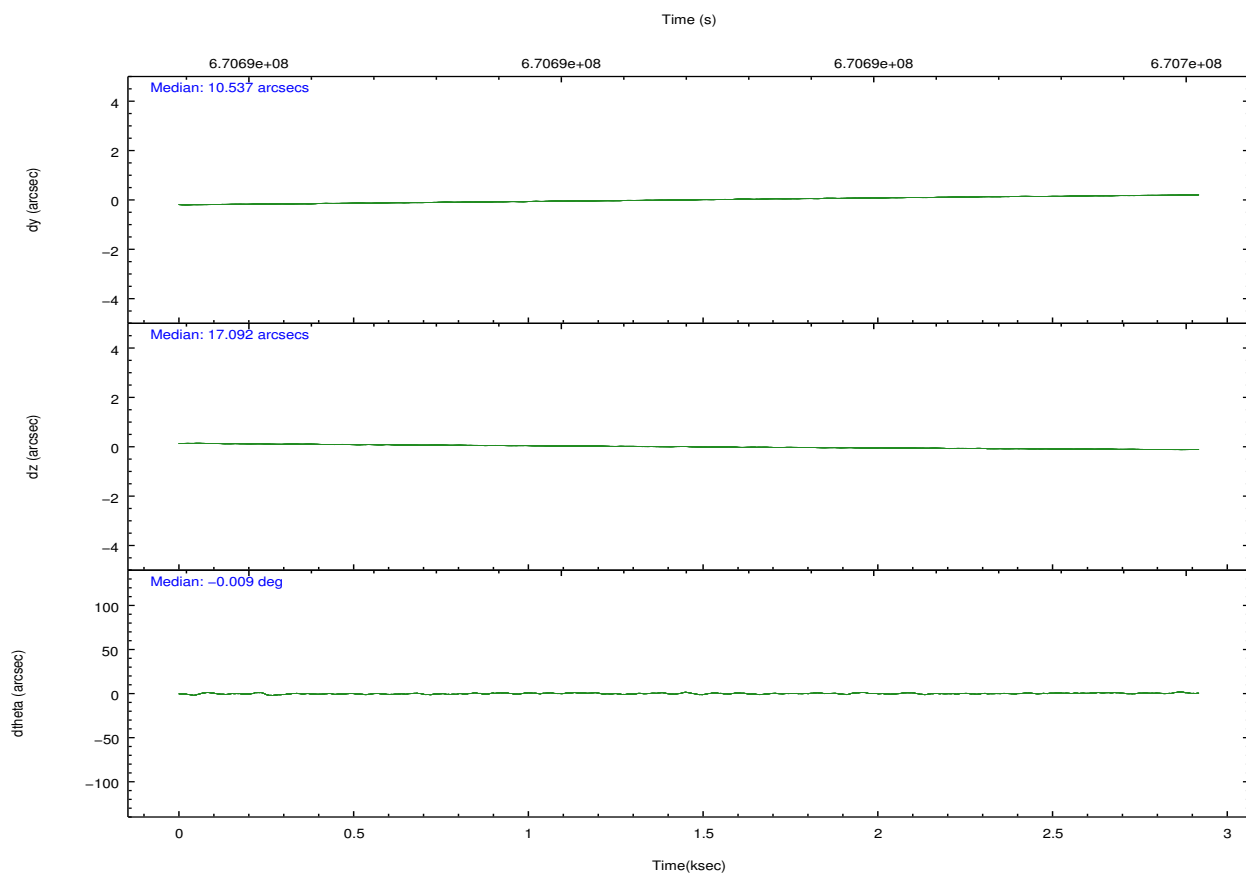
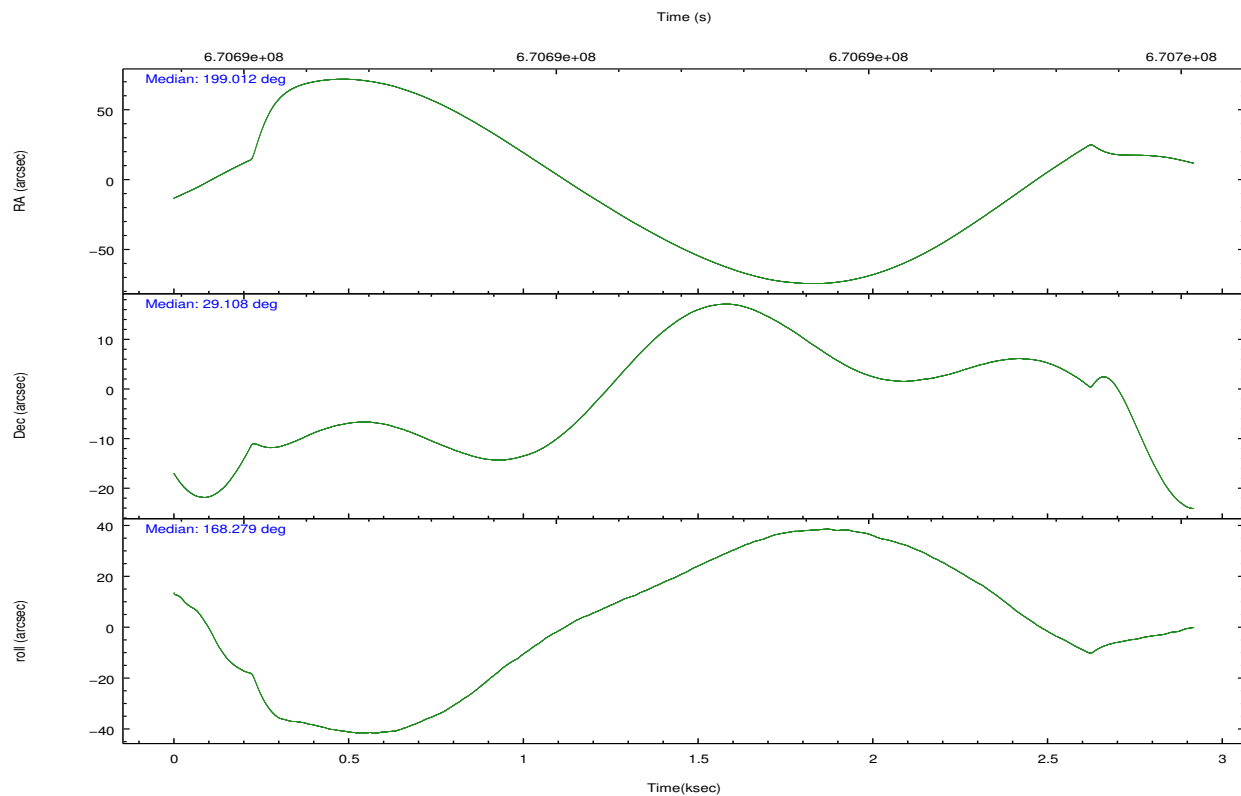
	segment 1	segment 2	segment 3
level 1 events	1063	431390	965
rejected events	1063	41928	965
rejected %	100%	9%	100%

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	199.041634	199.0103885058447			
[deg] Pointing Dec	29.118182	29.10753111782214			
[deg] Pointing Roll	168.207304	168.2898518072149			
[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)	670692132.184000	670691756.5029401			
Observation start date	2019-04-03T15:21:03	2019-04-03T15:15:56			
[s] Observation end time (MET)	670694862.184000	670694996.5281301			
Observation end date	2019-04-03T16:06:33	2019-04-03T16:09:56			

2.3 Aspect



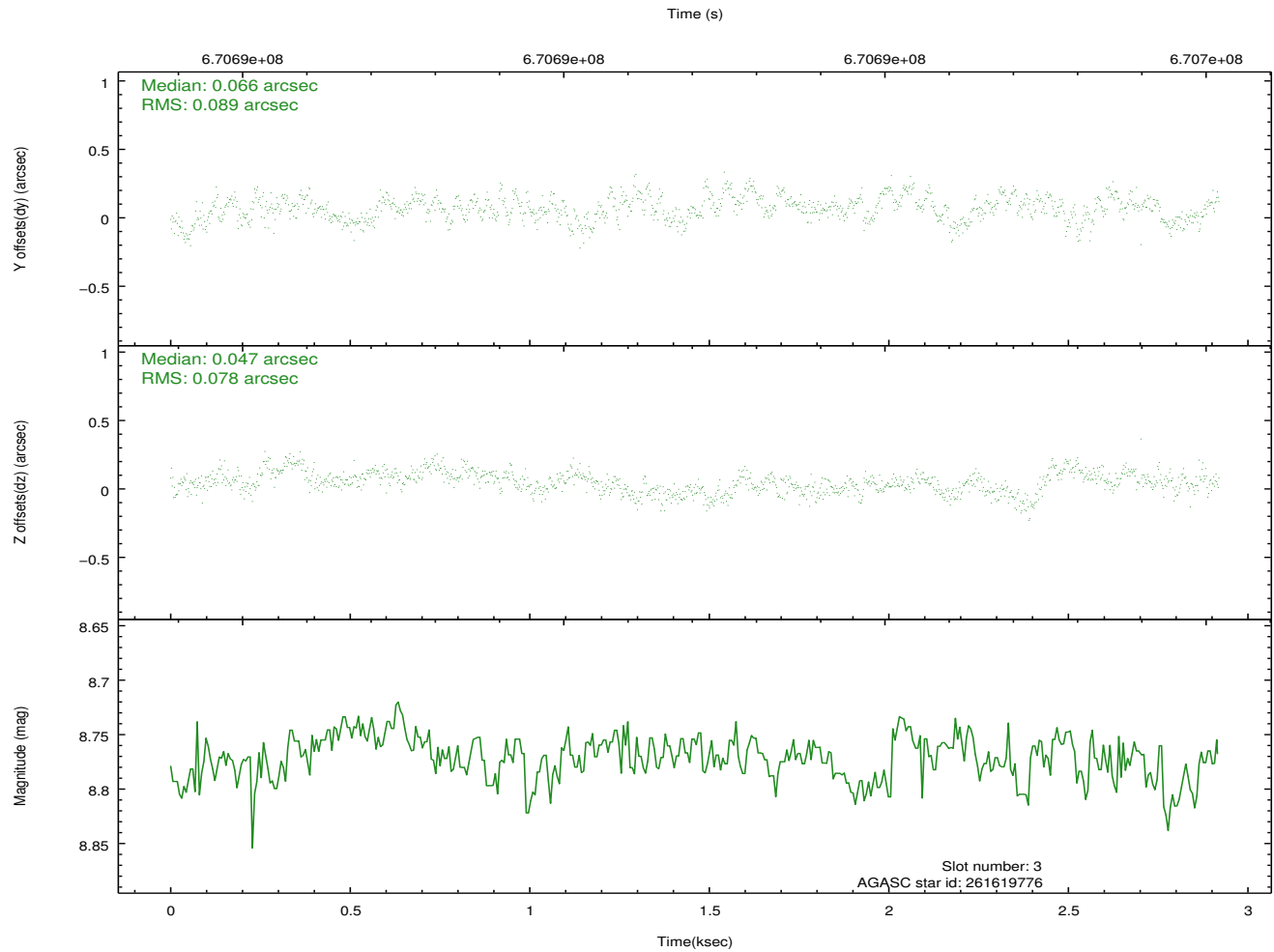
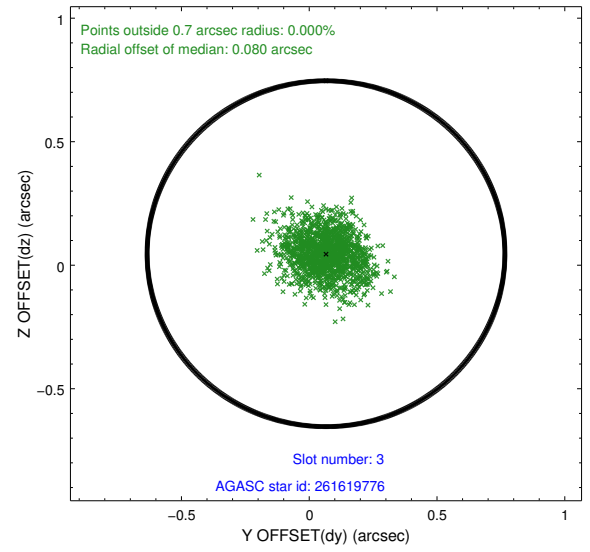
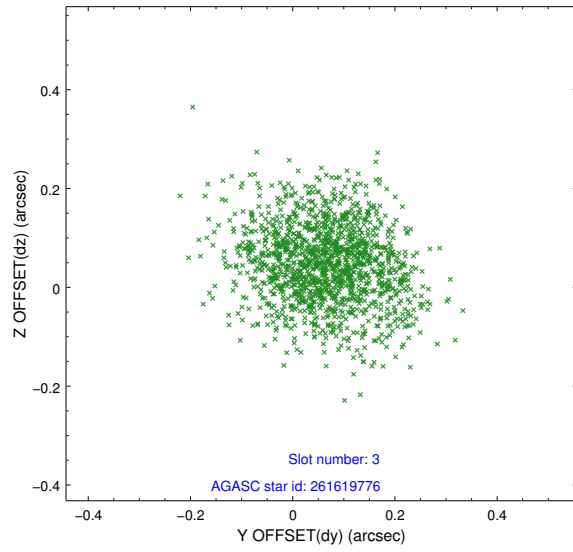


Slot Statistics

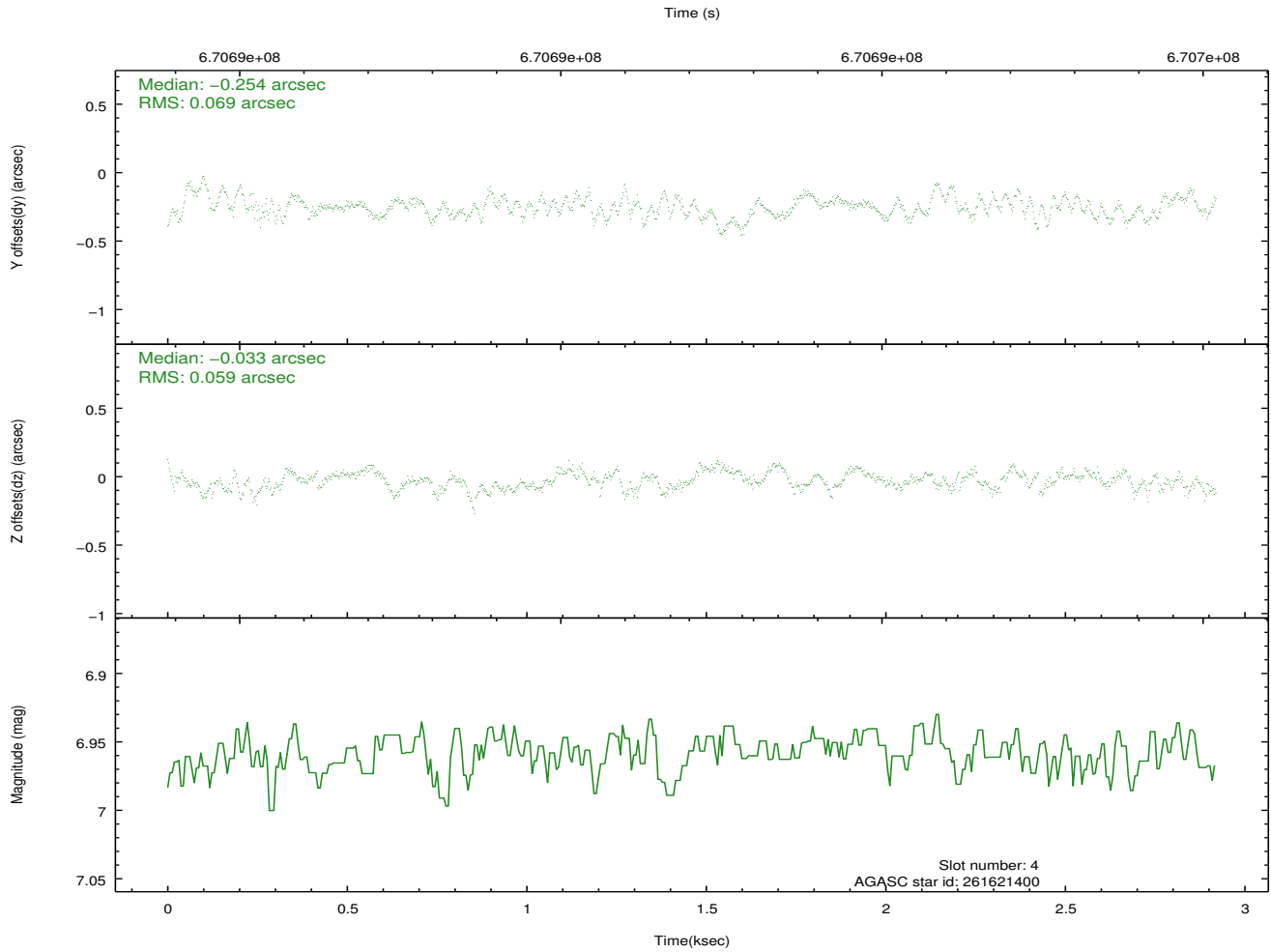
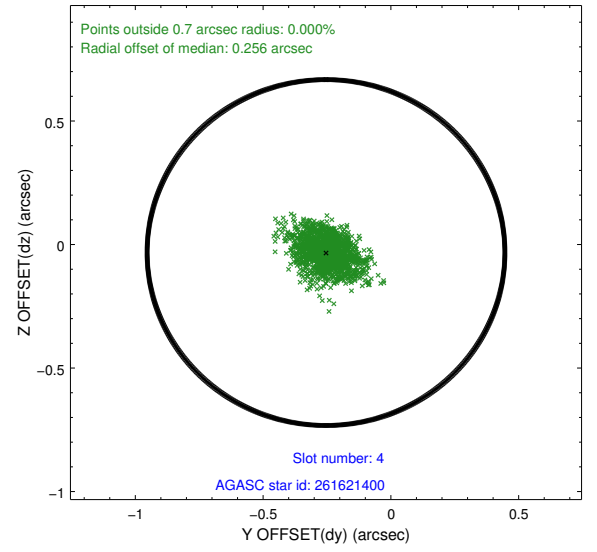
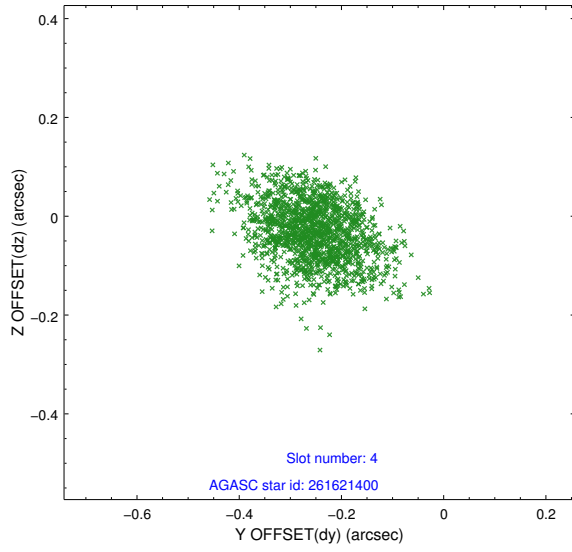
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.09	712	1.000	-0.083	-0.160	0.008	0.012	0.000000	0.000000	-1164.91	-466
1	FID		HRC-S-2	7.07	712	1.000	0.451	-0.146	0.011	0.017	0.000000	0.000000	1233.65	-459
2	FID		HRC-S-3	7.07	712	1.000	0.021	0.004	0.010	0.015	0.000000	0.000000	-1165.89	562
3	GUIDE	used	261619776	8.77	1423	1.000	0.066	0.047	0.127	0.201	198.654383	29.401174	1395.90	-751
4	GUIDE	used	261621400	6.96	1425	1.000	-0.254	-0.033	0.095	0.158	198.901600	28.741982	156.39	1414
5	GUIDE	used	261624080	7.10	1424	1.000	0.120	-0.132	0.132	0.228	198.424651	29.817768	2402.40	-2076
6	GUIDE	used	261626352	8.58	1425	1.000	0.057	-0.147	0.152	0.285	198.417097	29.781420	2403.44	-1946
7	GUIDE	used	261629720	8.08	1424	1.000	0.008	0.261	0.102	0.184	199.236176	29.044452	-652.21	131

2.4 Star Slots

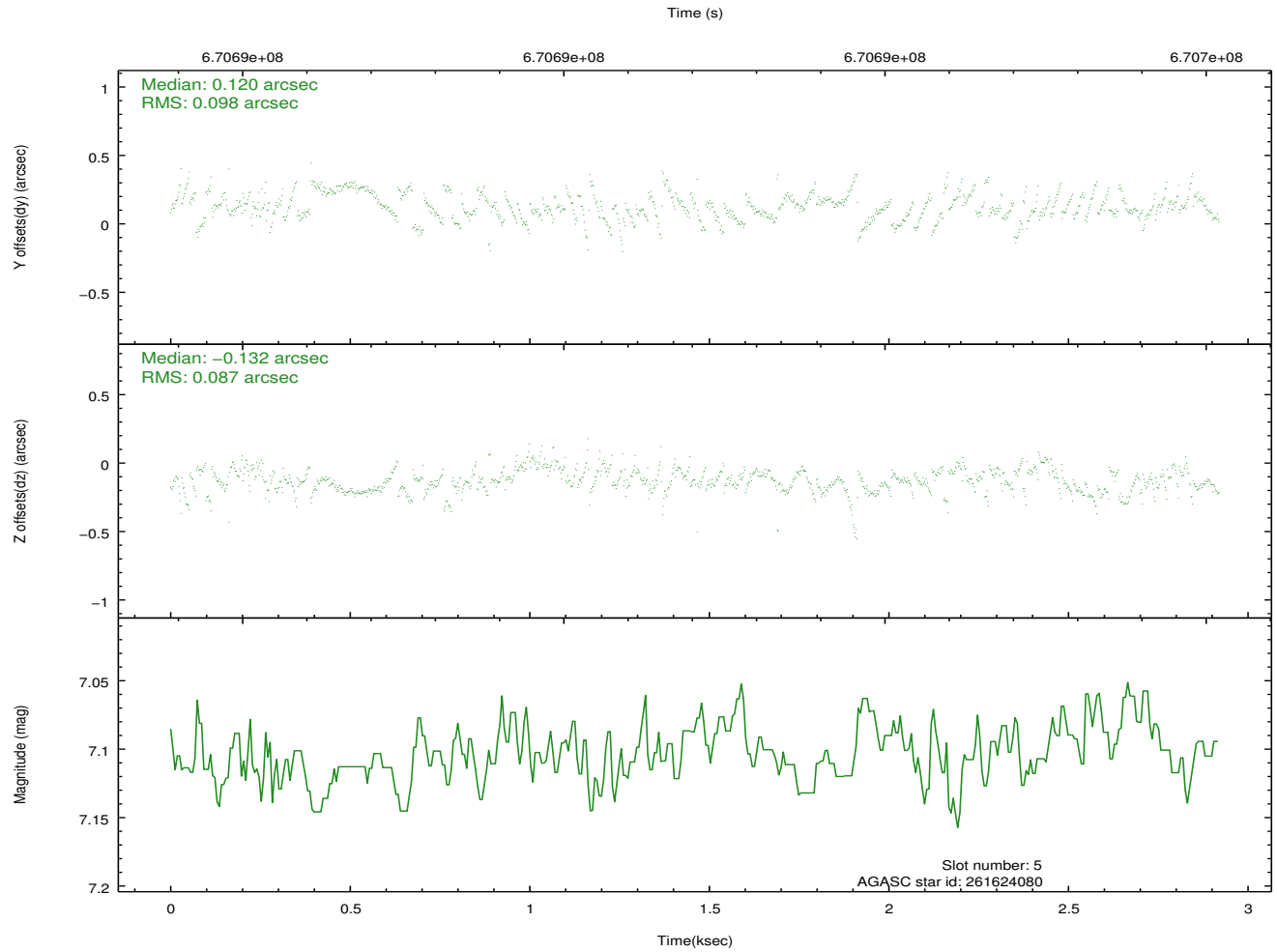
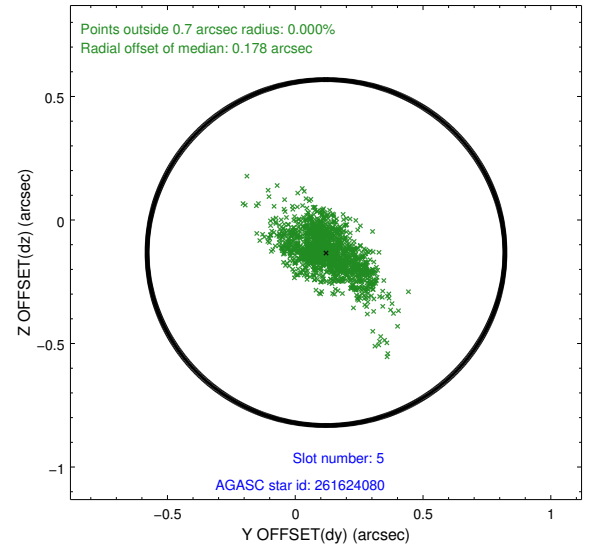
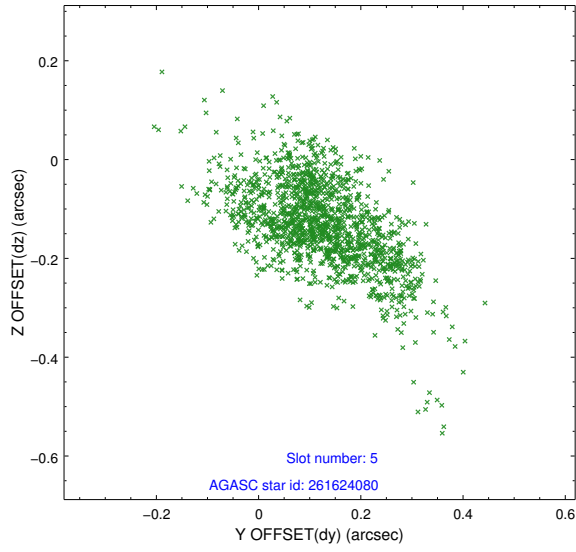
2.4.1 Slot 3



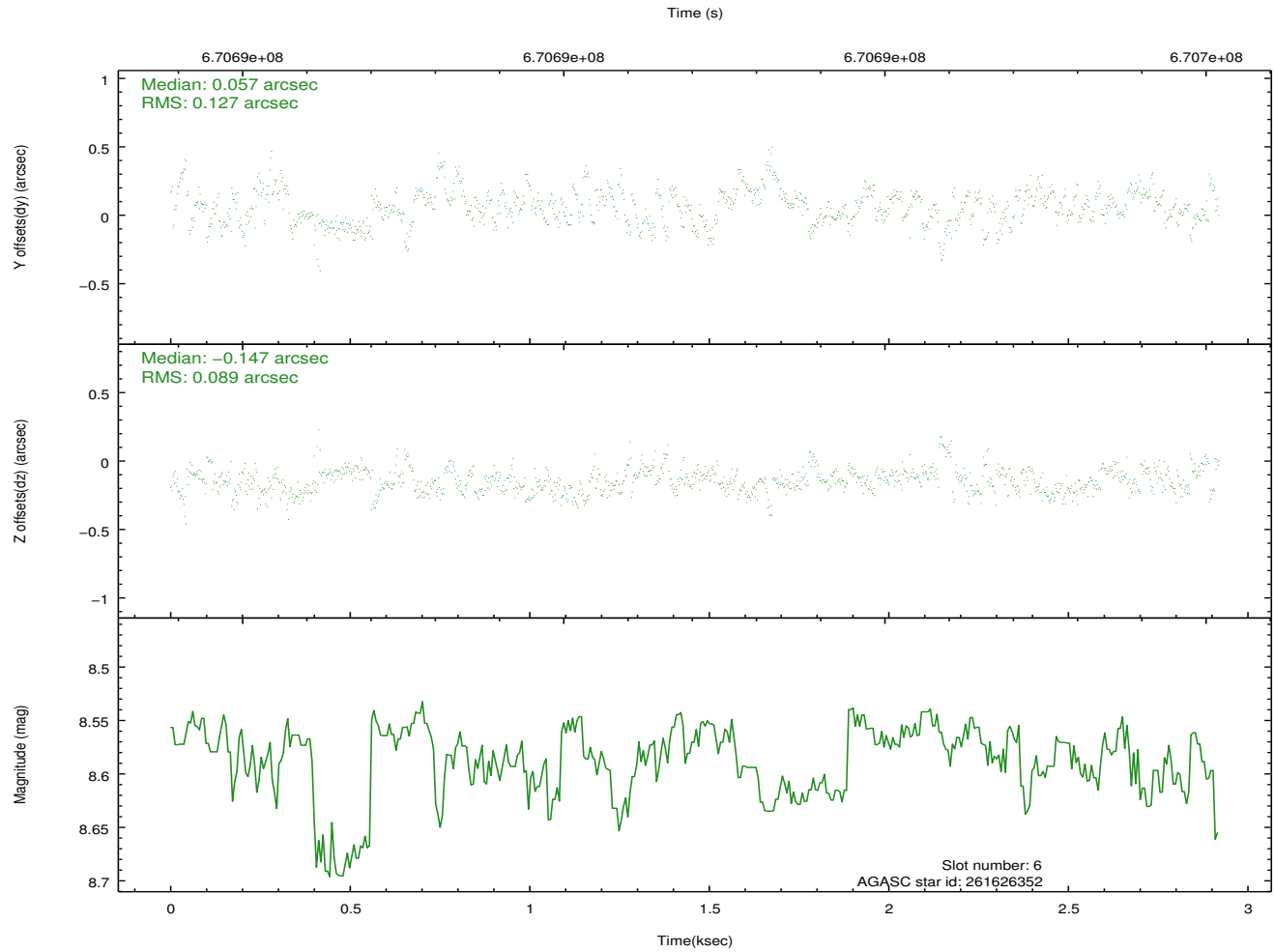
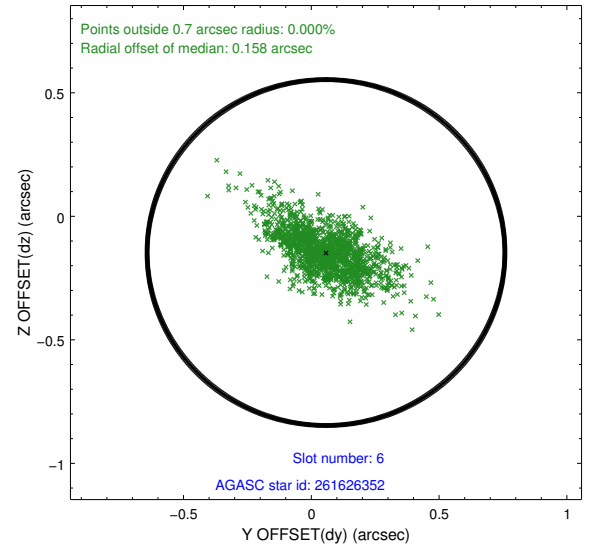
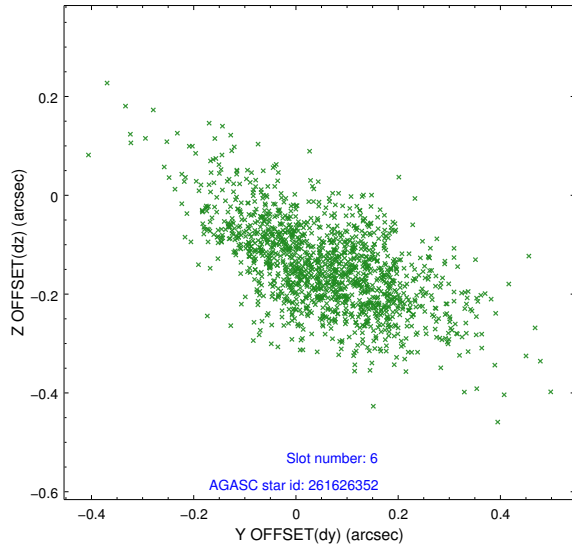
2.4.2 Slot 4



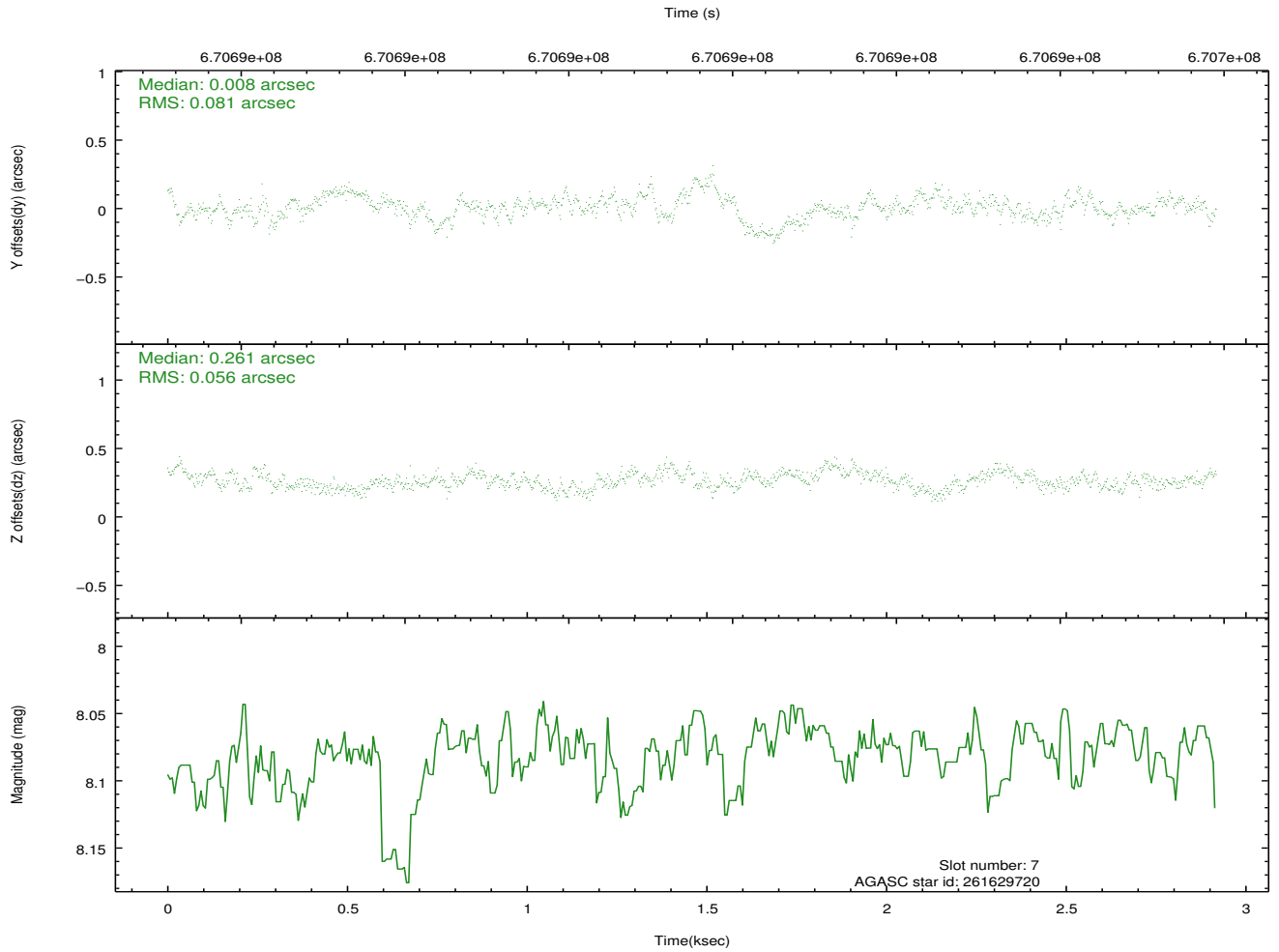
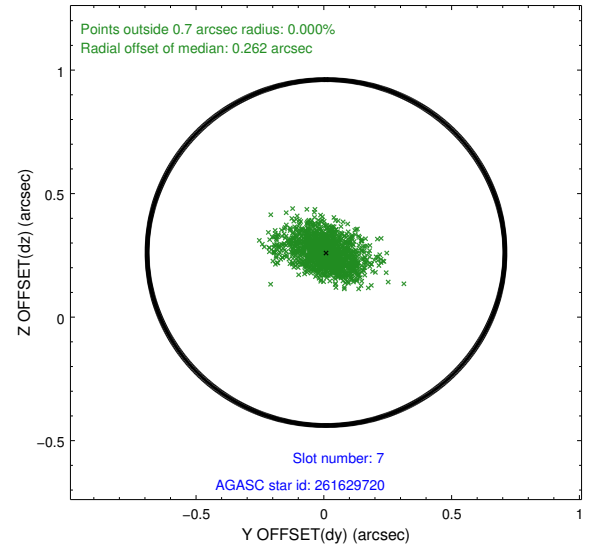
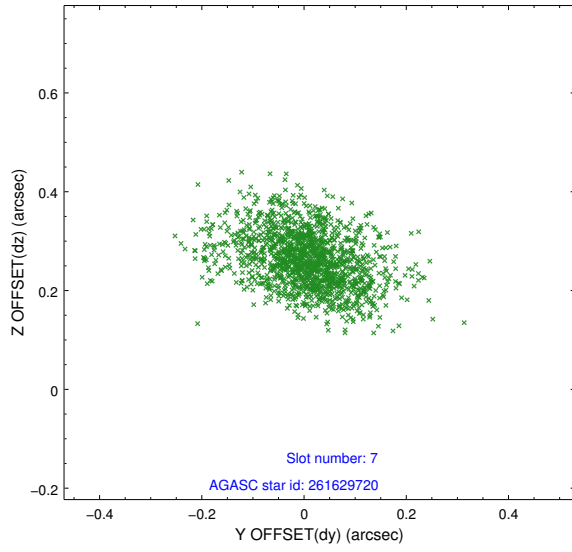
2.4.3 Slot 5



2.4.4 Slot 6

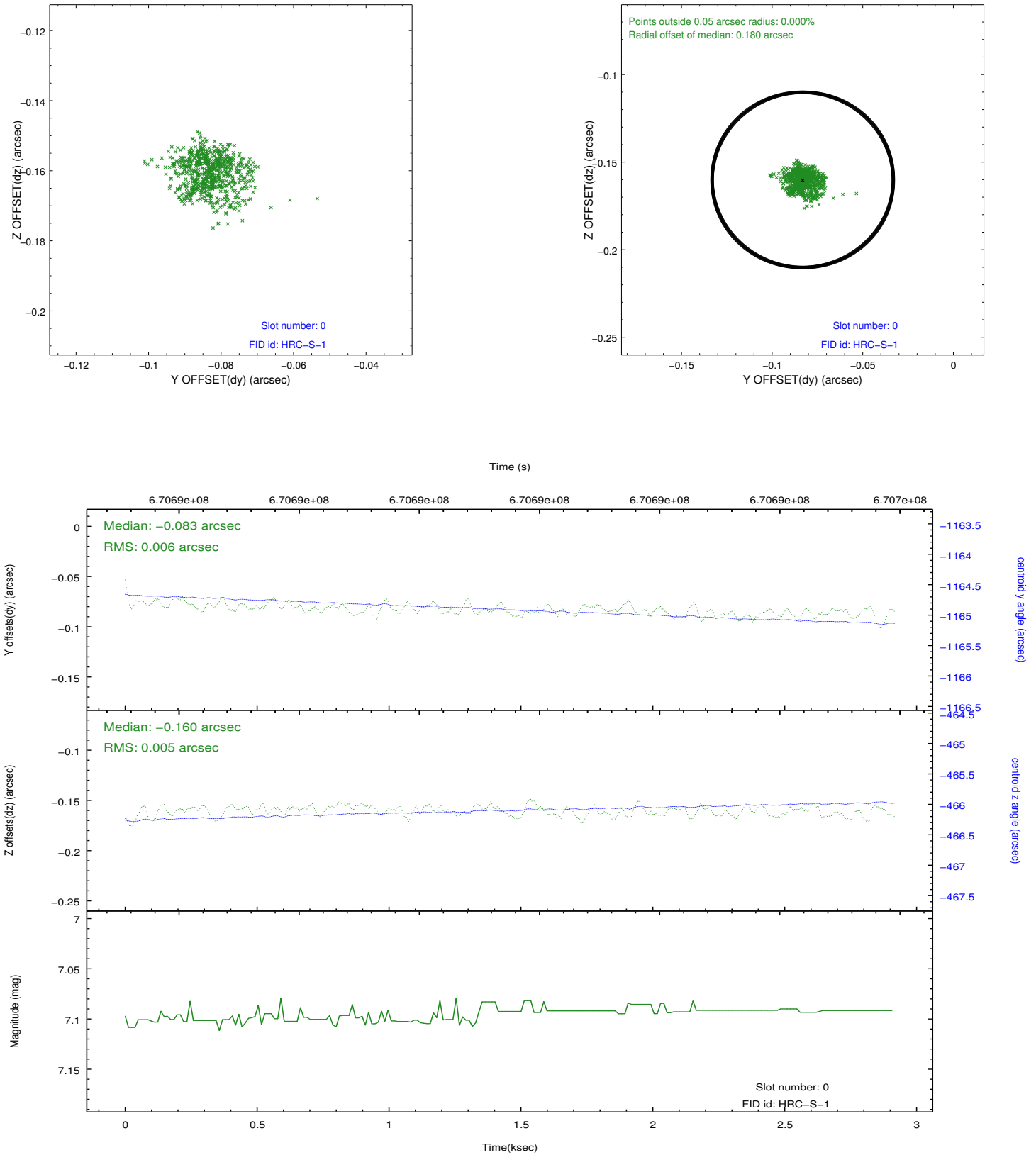


2.4.5 Slot 7

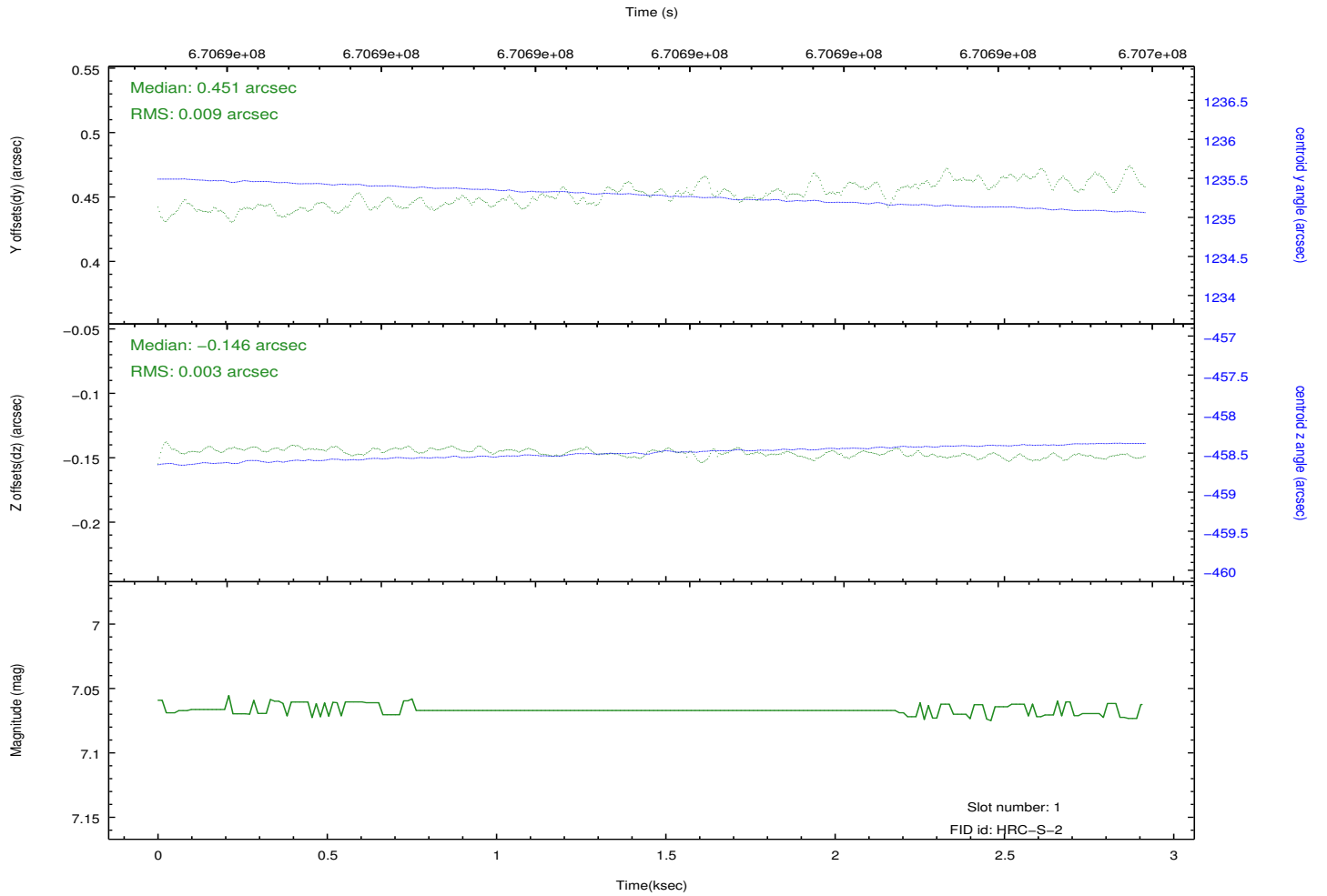
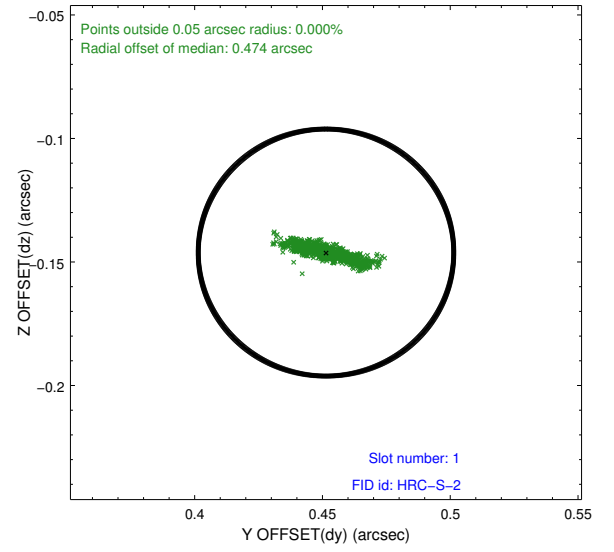
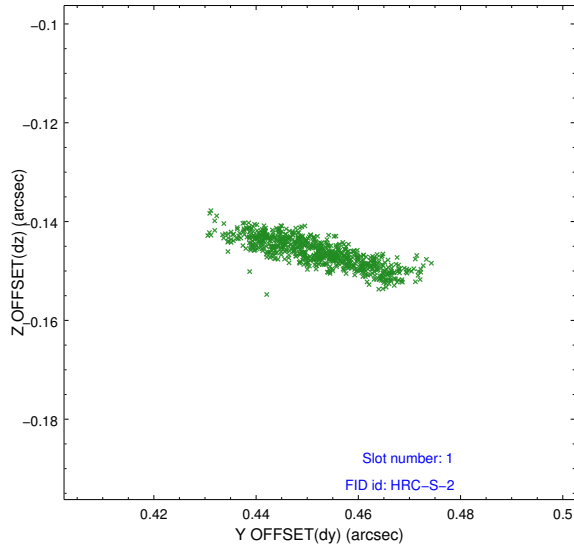


2.5 FID Slots

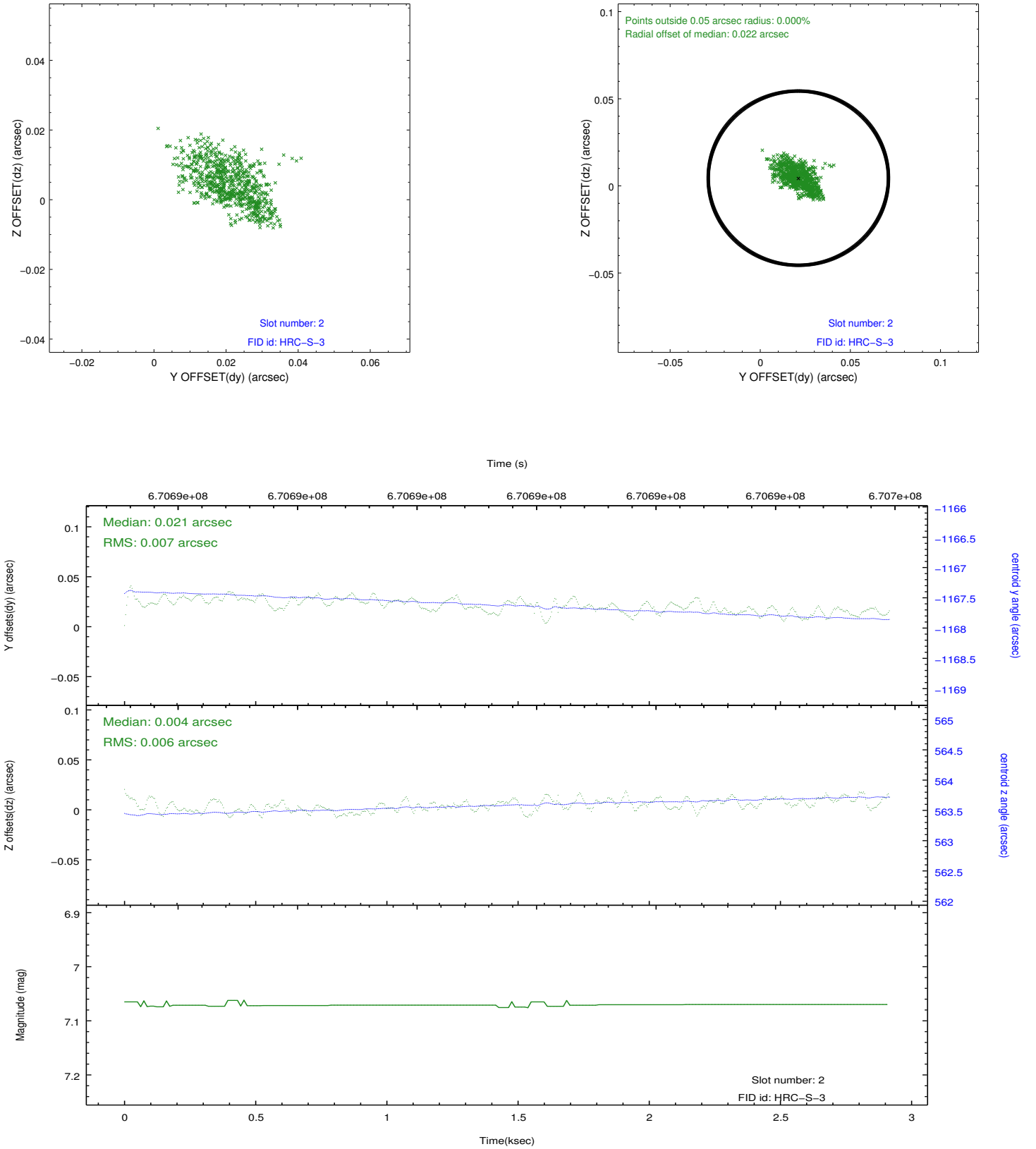
2.5.1 Slot 0



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	2.918431424737

A.2 Comments