

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21774 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 9 2019

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1 Front

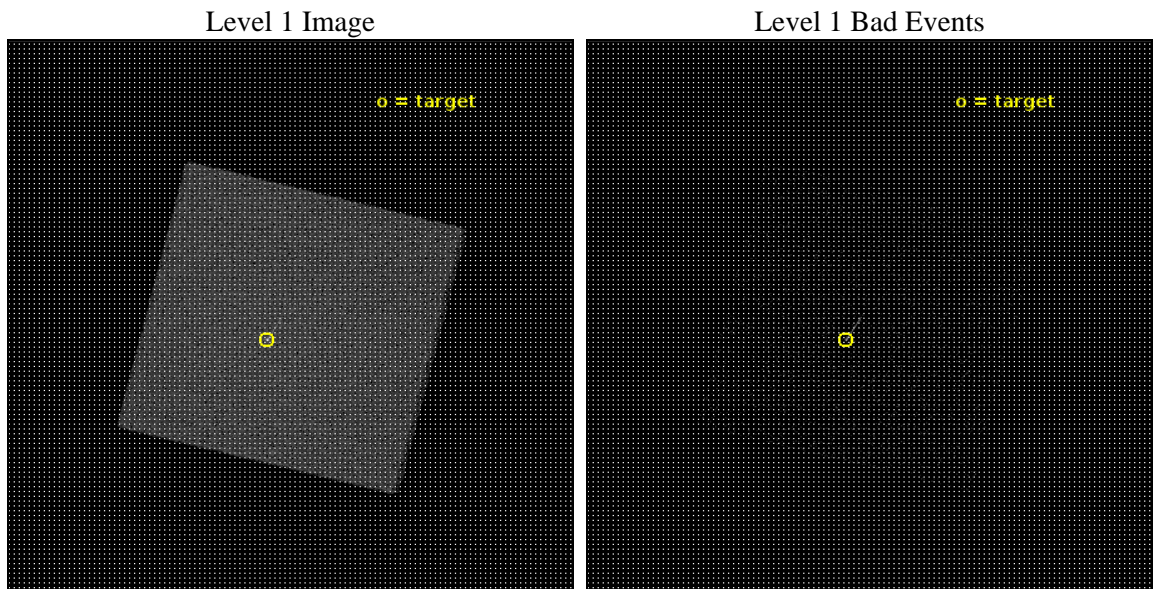
seq_num	291460	Sequence number
obs_id	21774	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.10862738752	Nominal RA [deg]
dec_nom	45.773396720886	Nominal Dec [deg]
roll_nom	59.122670545235	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1192.3313214779	[s]
livetime	1147.3232580327	Ontime multiplied by DTCOR
l2events	162524	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1192.3313214779	[s]
caldbver	4.8.2	 	l1events	264799	Number of level 1 events
date	2019-04-09T03:55:29	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

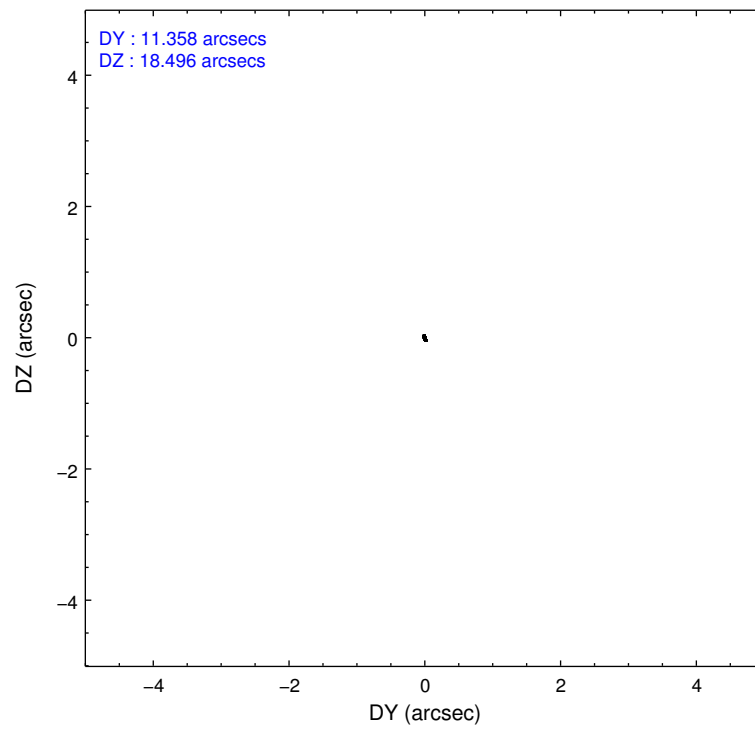
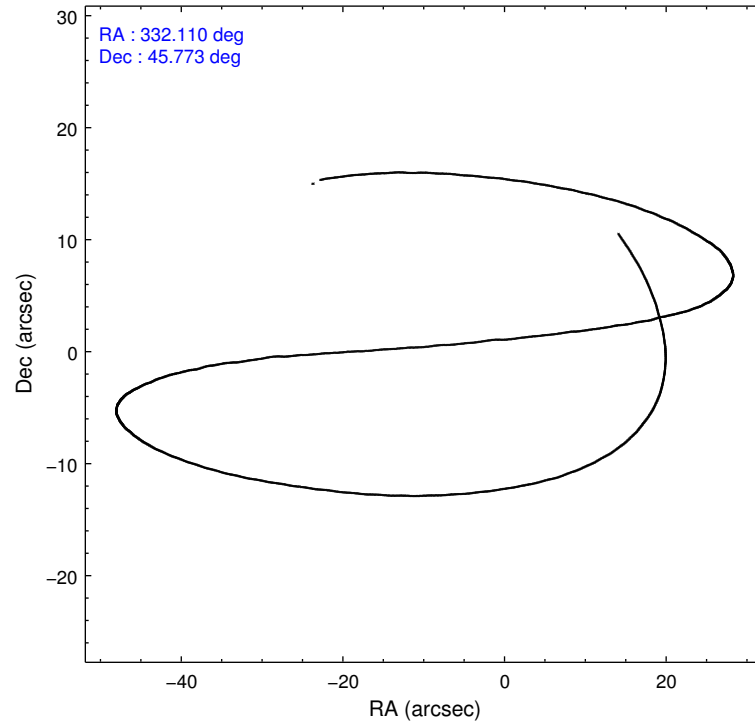
Level 1 Events

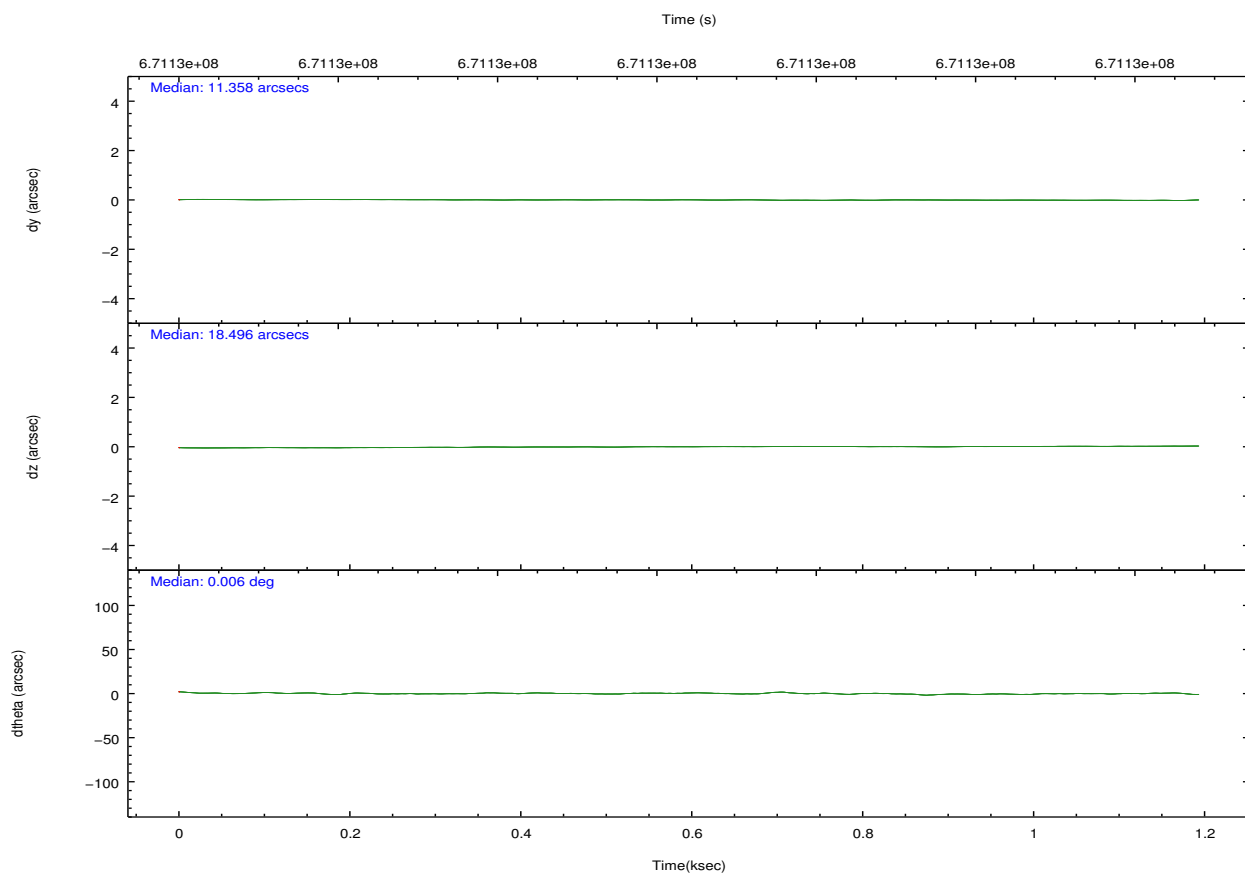
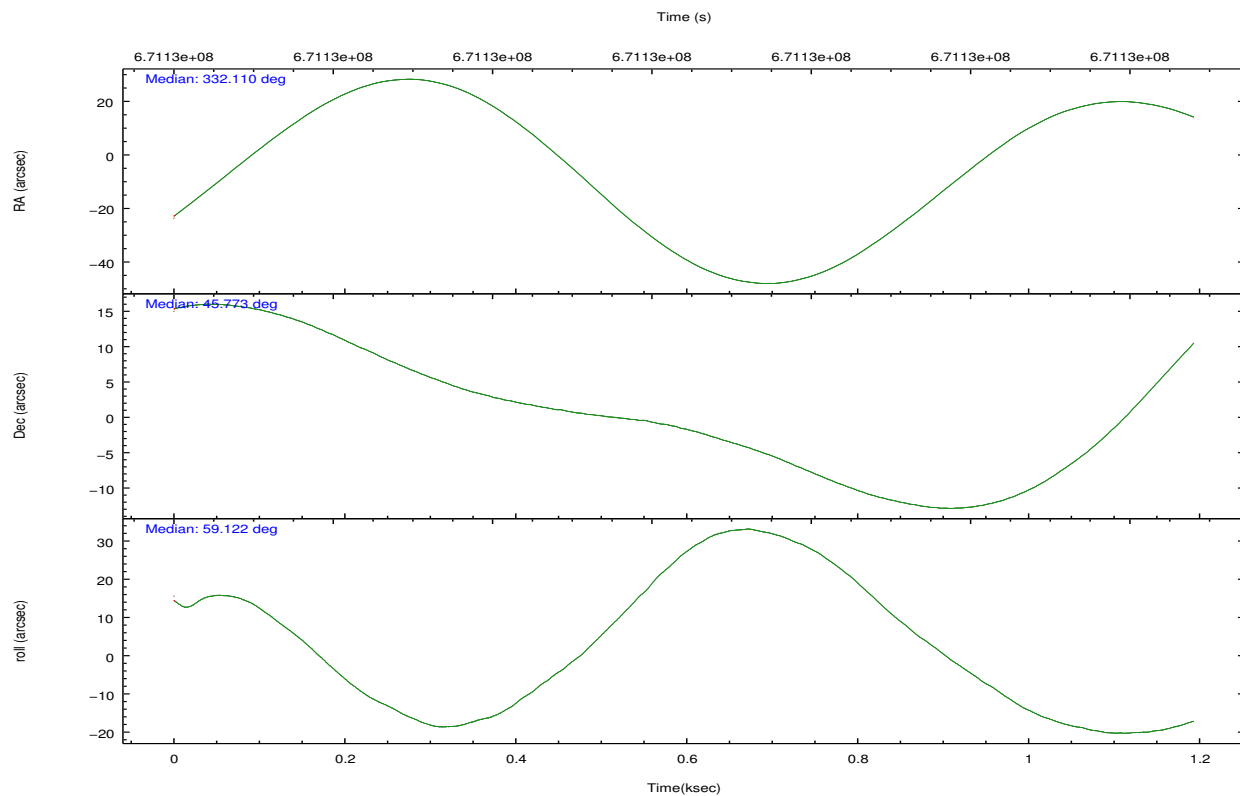
	segment 0
level 1 events	264799
rejected events	55352
rejected %	20%

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	332.107607	332.1086273875239			
[deg] Pointing Dec	45.746257	45.77339672088578			
[deg] Pointing Roll	59.219000	59.12267054523463			
[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)	671133024.184000	671132647.97932			
Observation start date	2019-04-08T17:49:15	2019-04-08T17:44:07			
[s] Observation end time (MET)	671134024.184000	671134157.80441			
Observation end date	2019-04-08T18:05:55	2019-04-08T18:09:17			

2.3 Aspect



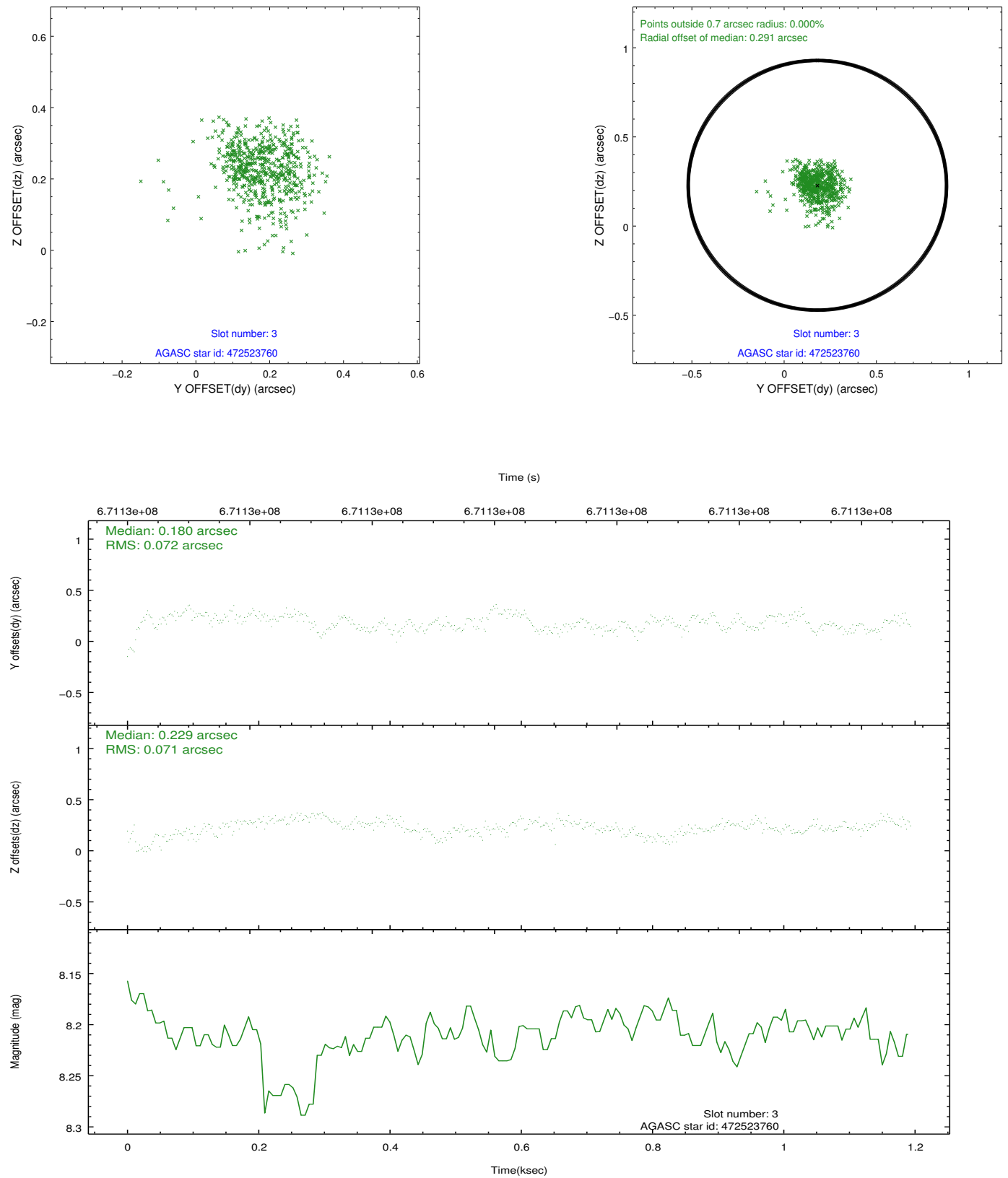


Slot Statistics

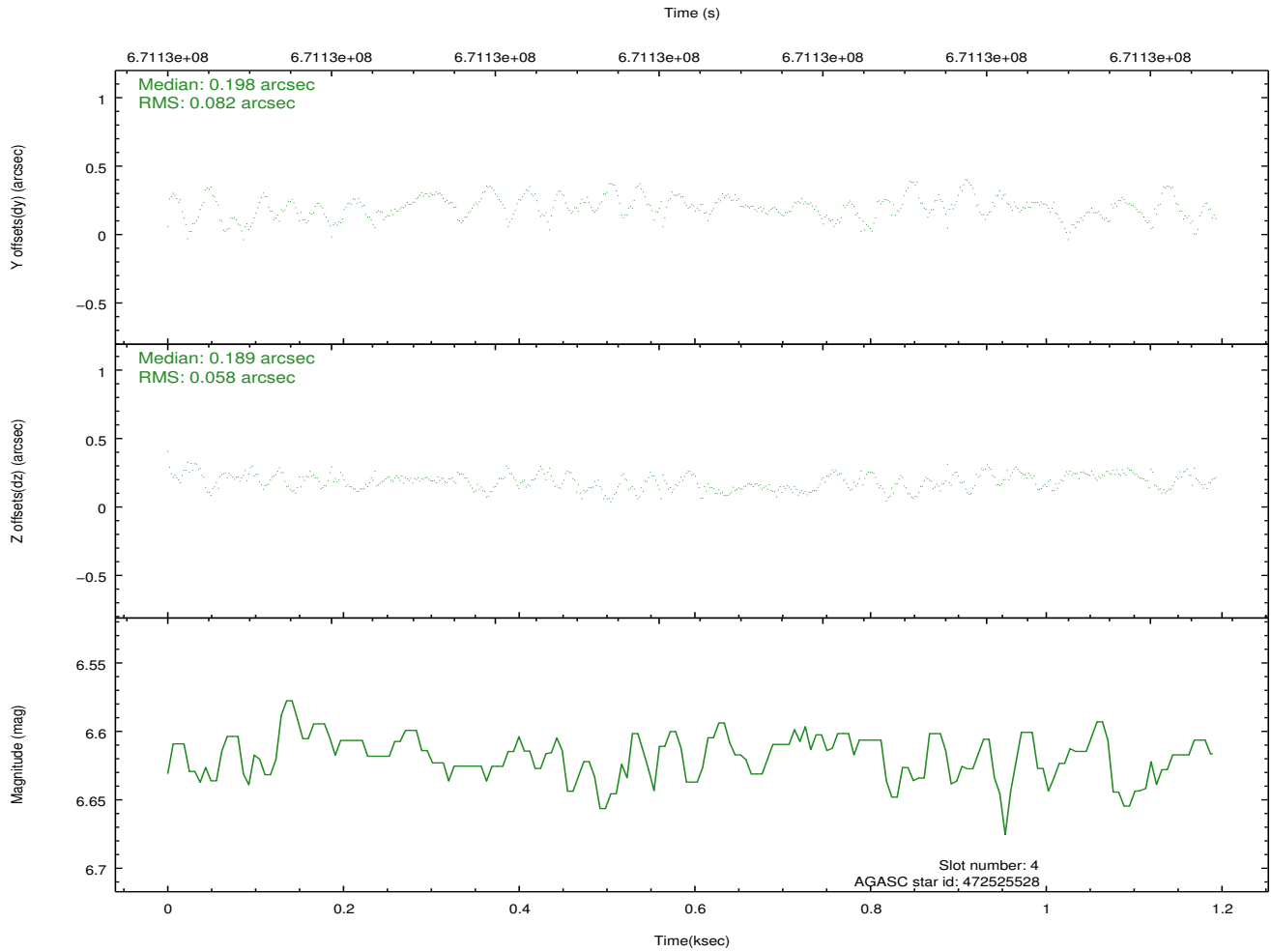
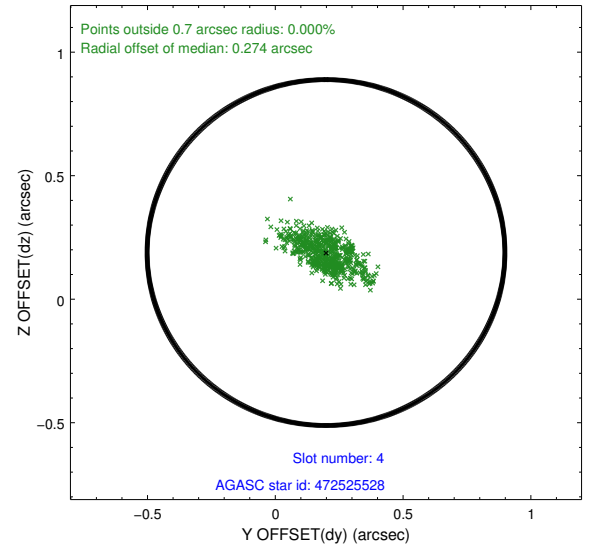
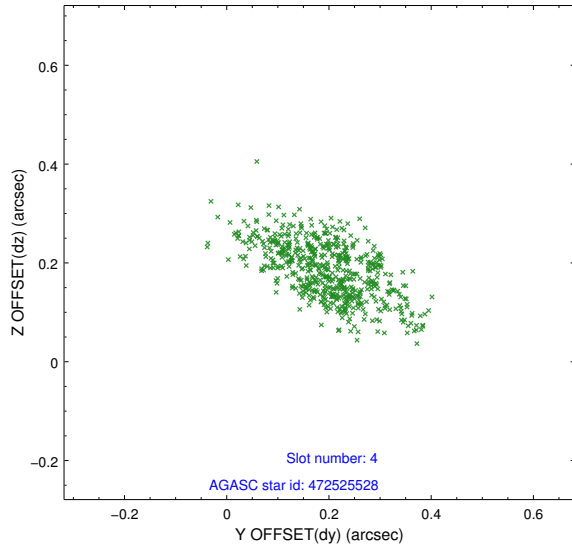
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	292	1.000	-0.241	-0.048	0.008	0.012	0.000000	0.000000	-767.24	-1306
1	FID		HRC-I-2	7.04	292	1.000	0.397	-0.115	0.008	0.015	0.000000	0.000000	843.40	-1312
2	FID		HRC-I-3	7.08	291	1.000	-0.038	0.074	0.006	0.011	0.000000	0.000000	-1192.71	993
3	GUIDE	used	472523760	8.21	583	1.000	0.180	0.229	0.101	0.175	331.645363	45.403260	-1656.95	377
4	GUIDE	used	472525528	6.62	583	1.000	0.198	0.189	0.100	0.188	331.551102	45.248694	-2259.99	301
5	GUIDE	used	472533912	9.13	582	1.000	-0.029	-0.244	0.158	0.254	331.791136	46.368695	1519.23	1826
6	GUIDE	used	472535576	7.83	583	1.000	-0.356	-0.488	0.121	0.210	331.438373	46.291802	842.67	2444
7	GUIDE	used	472665256	8.97	581	1.000	0.007	0.332	0.176	0.274	332.808125	46.195041	2288.38	-661

2.4 Star Slots

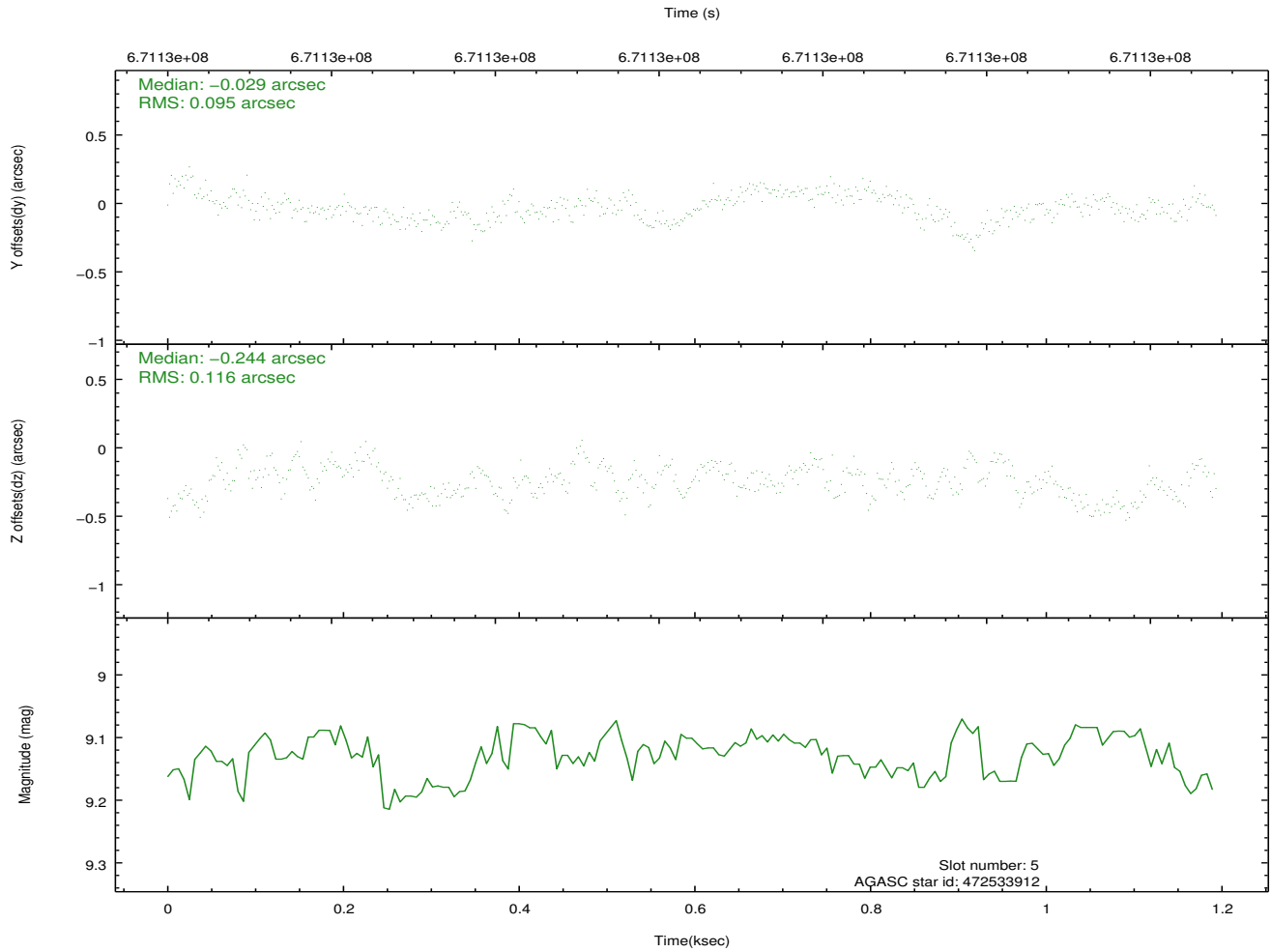
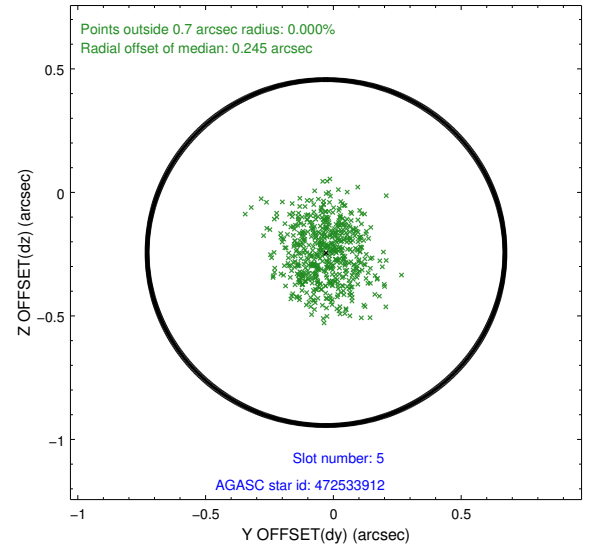
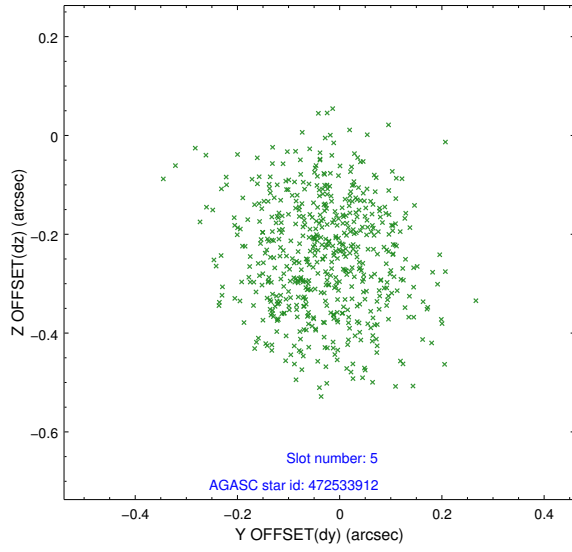
2.4.1 Slot 3



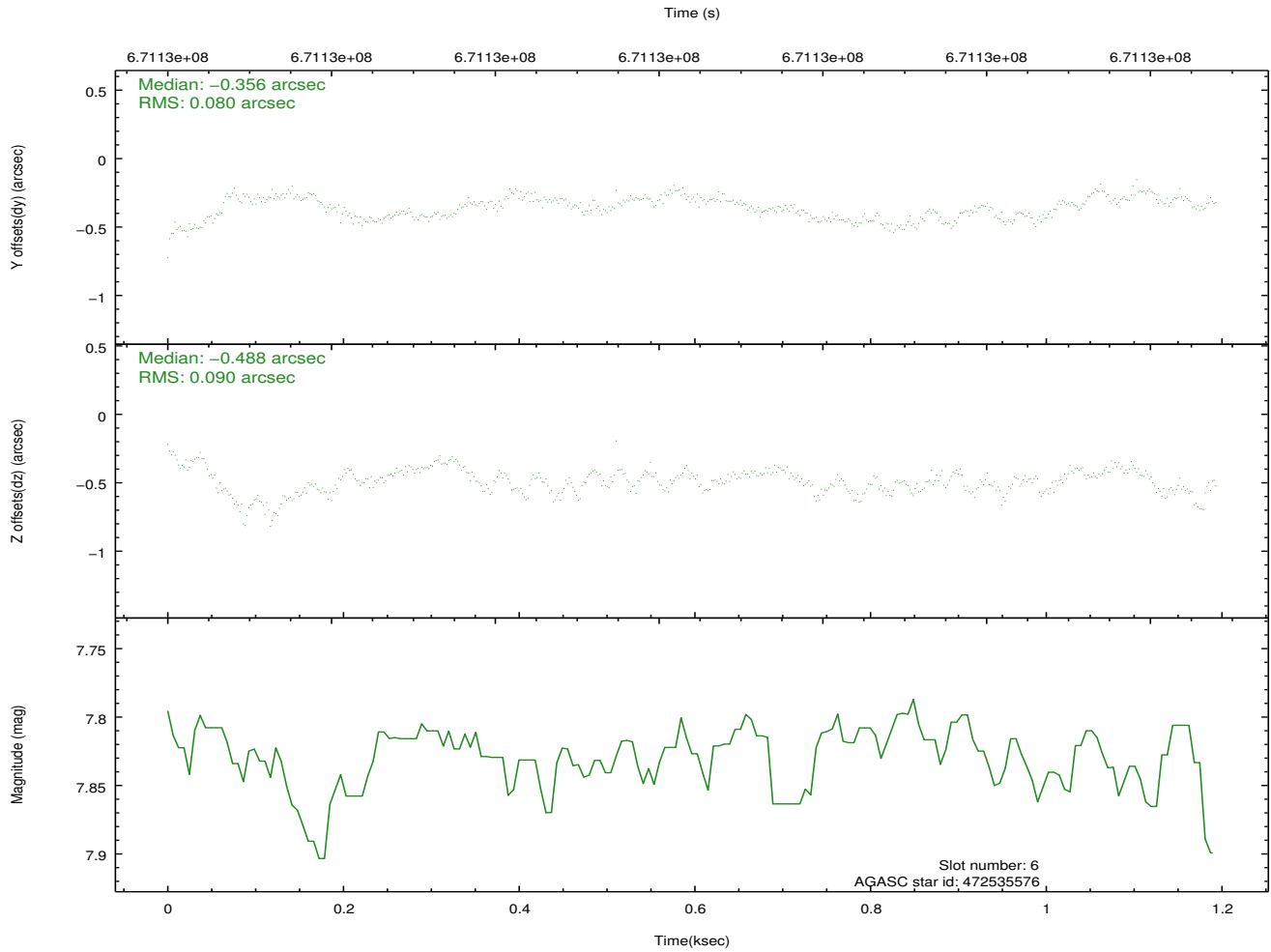
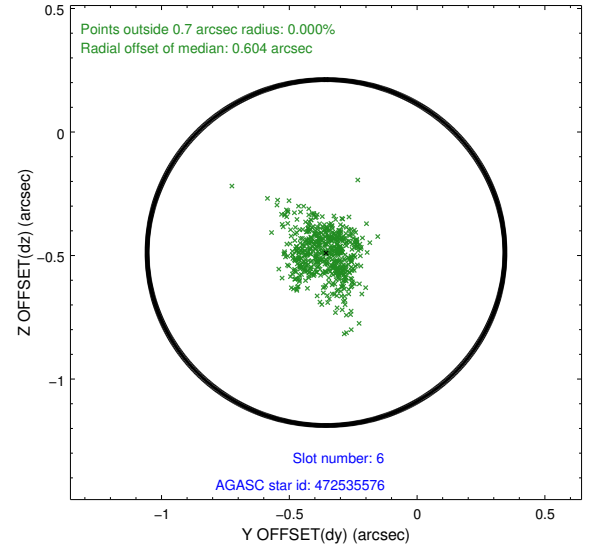
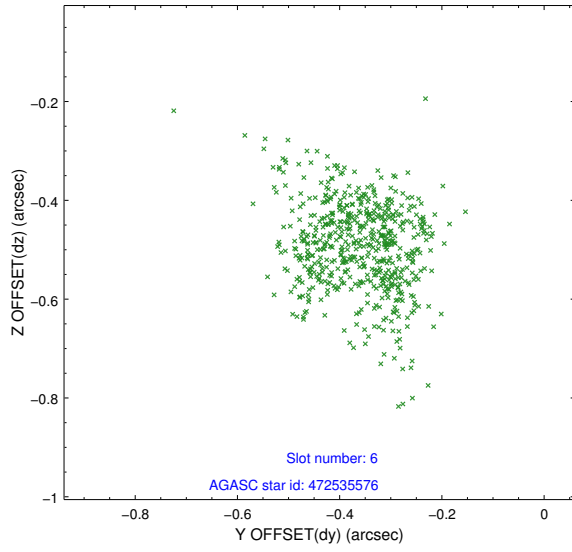
2.4.2 Slot 4



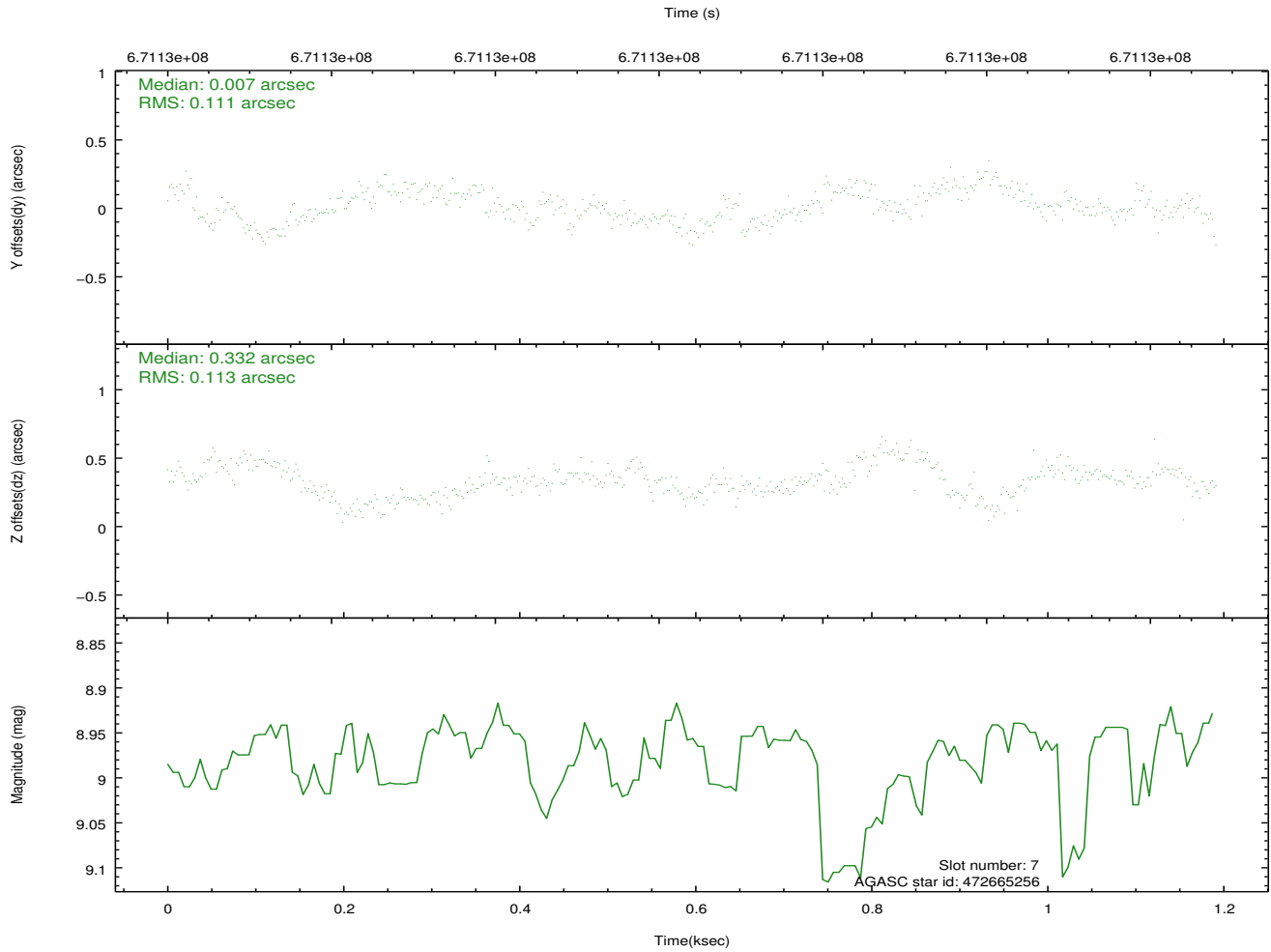
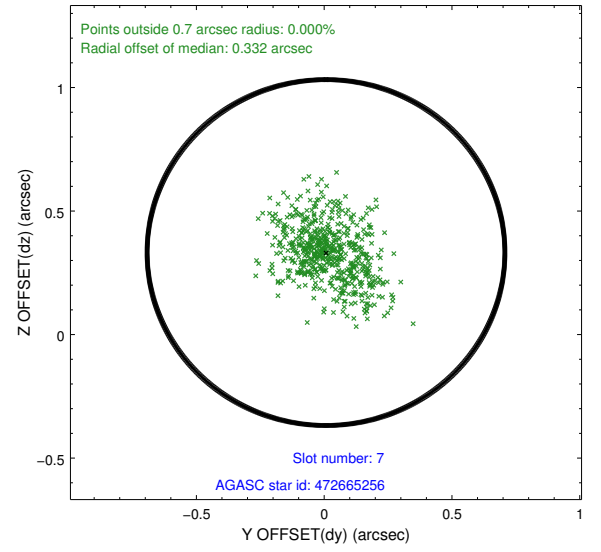
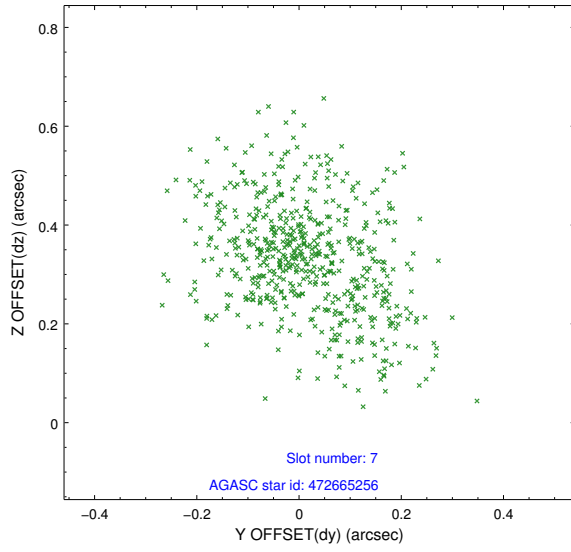
2.4.3 Slot 5



2.4.4 Slot 6

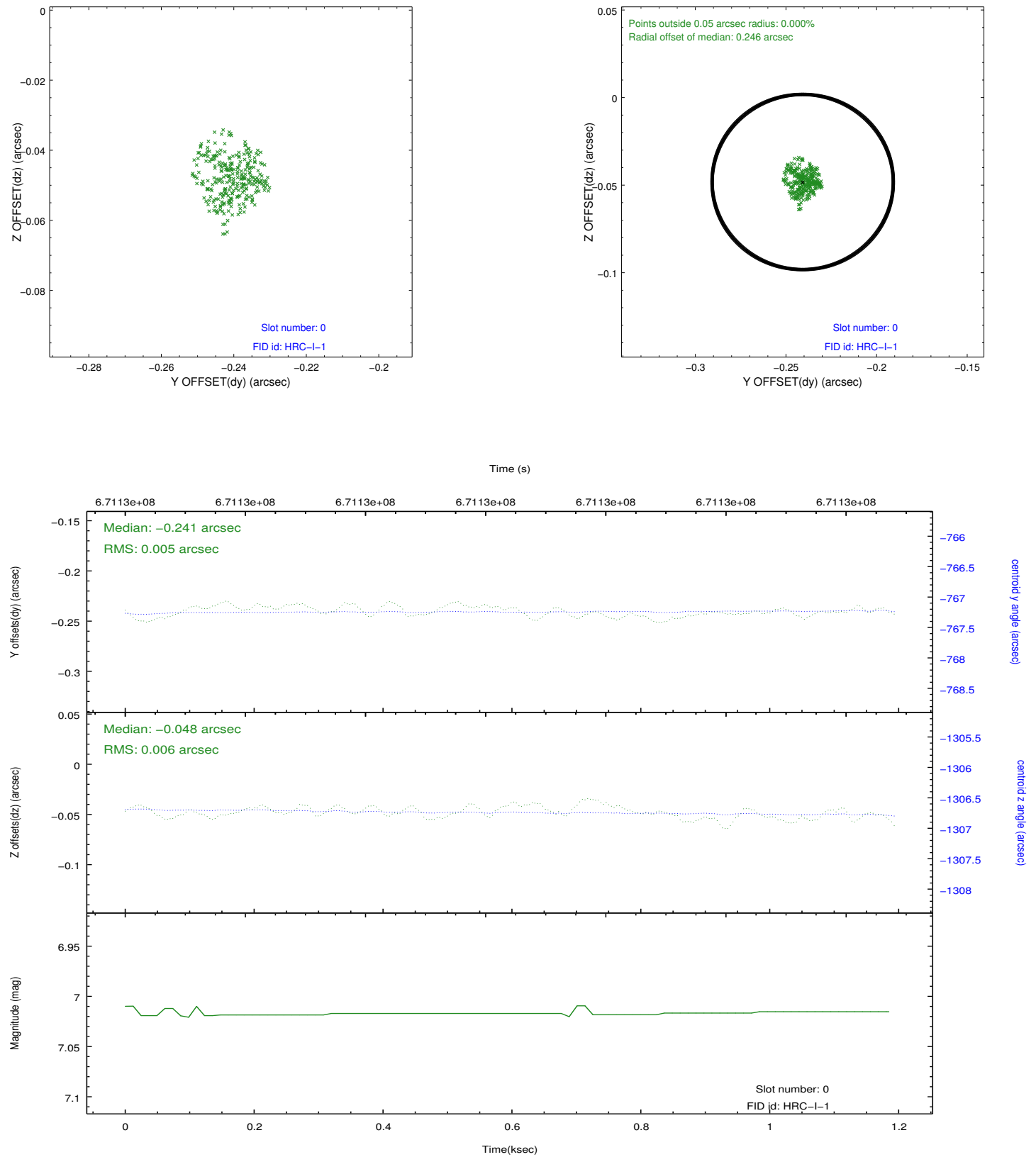


2.4.5 Slot 7

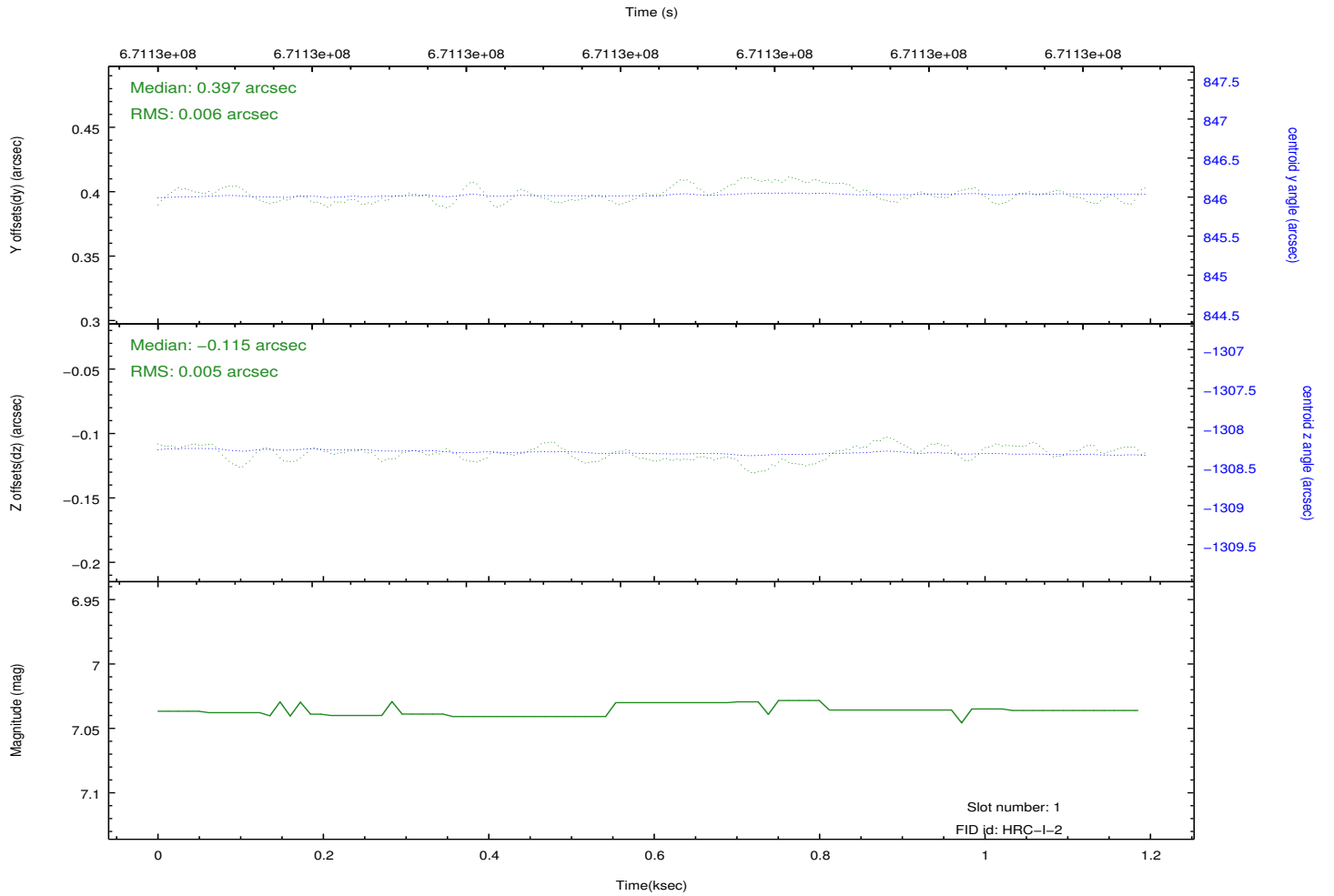
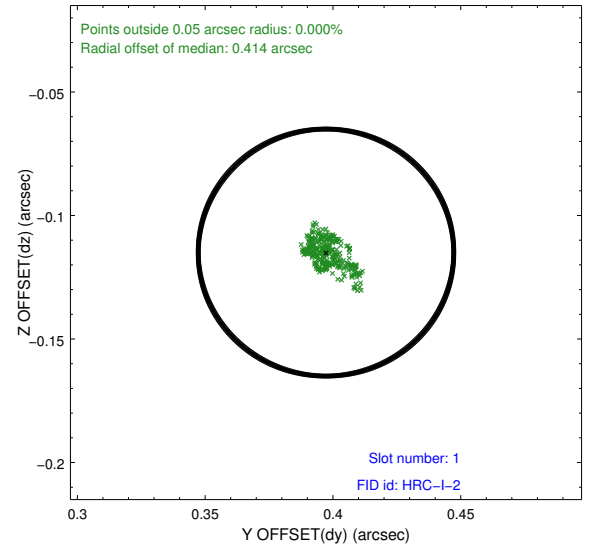
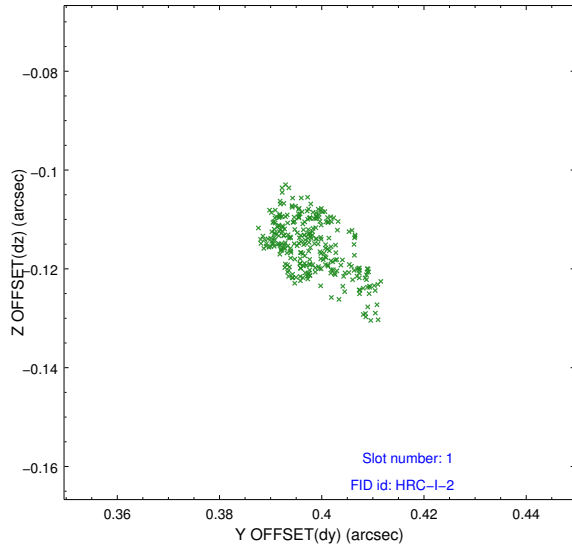


2.5 FID Slots

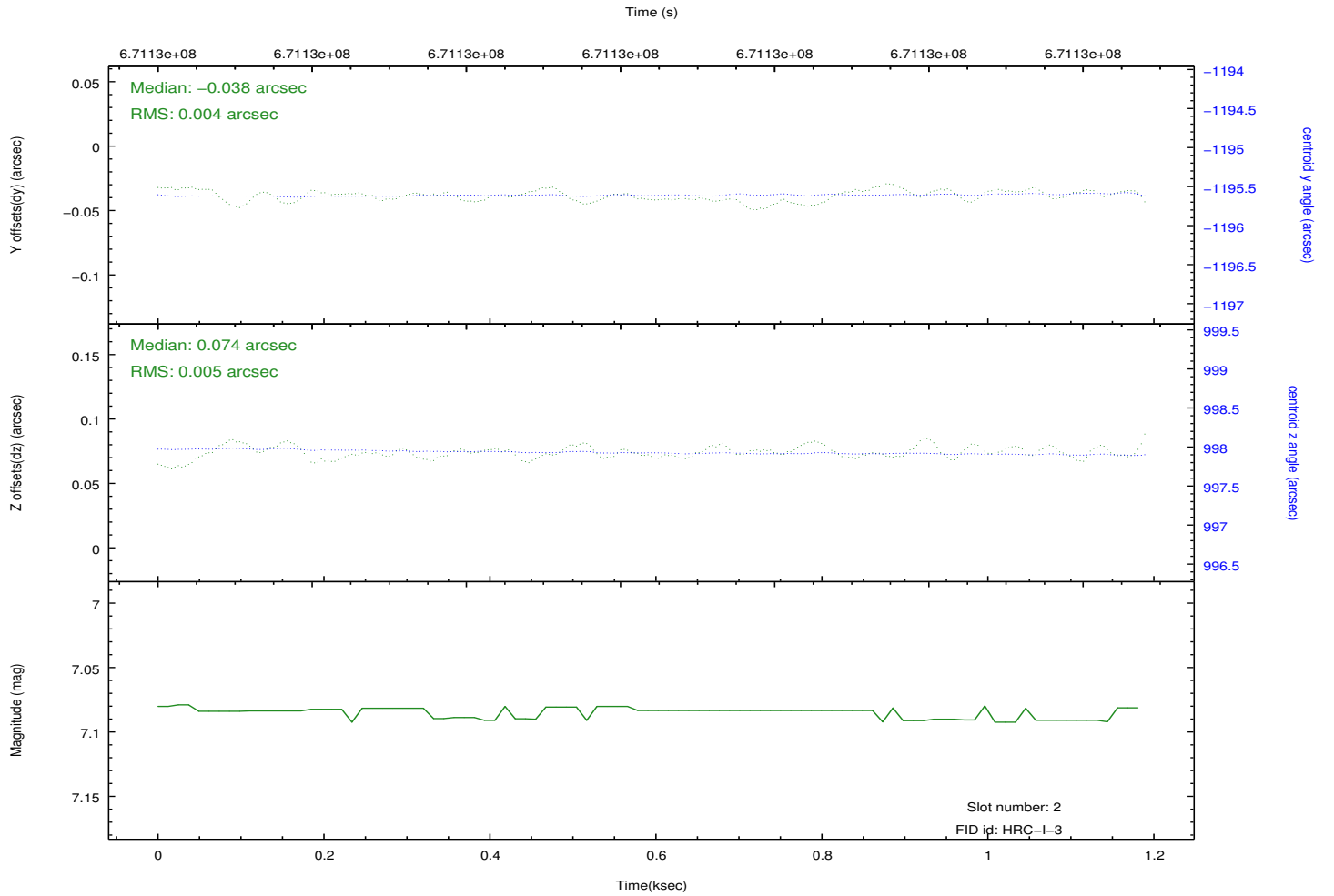
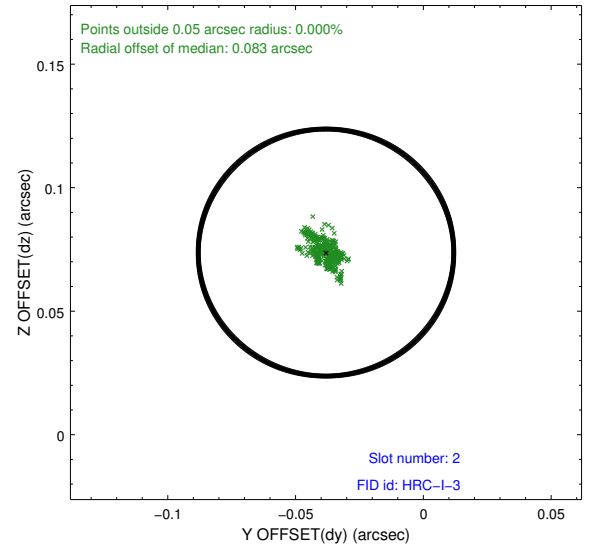
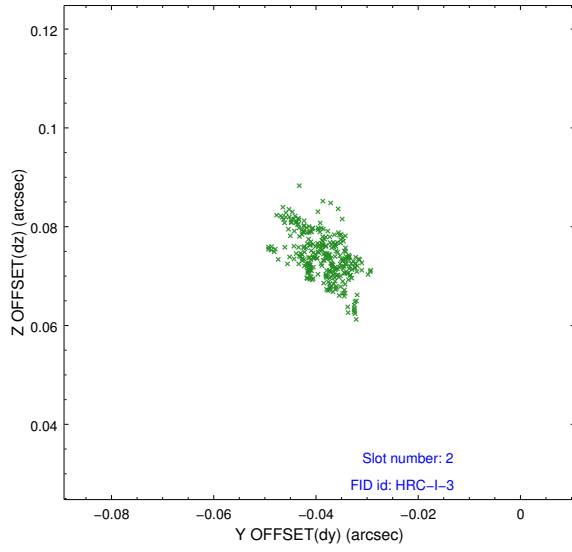
2.5.1 Slot 0



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)	2019.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1923313214779

A.2 Comments