

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21767 - L2 Version 1
Chandra X-Ray Center

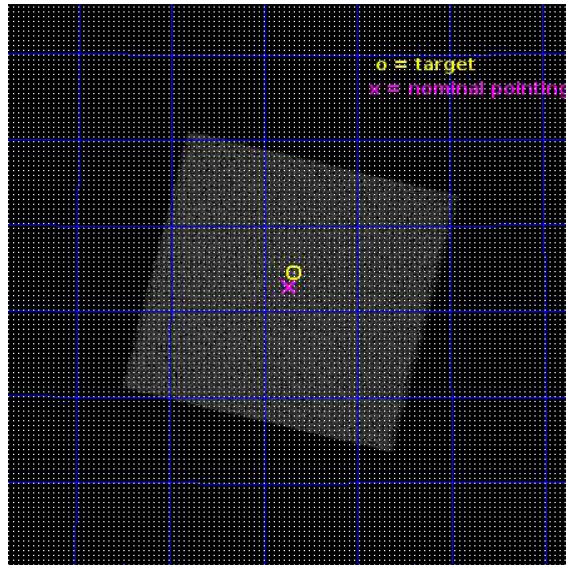
L2 Processing Date : Apr 8 2019

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1 Front

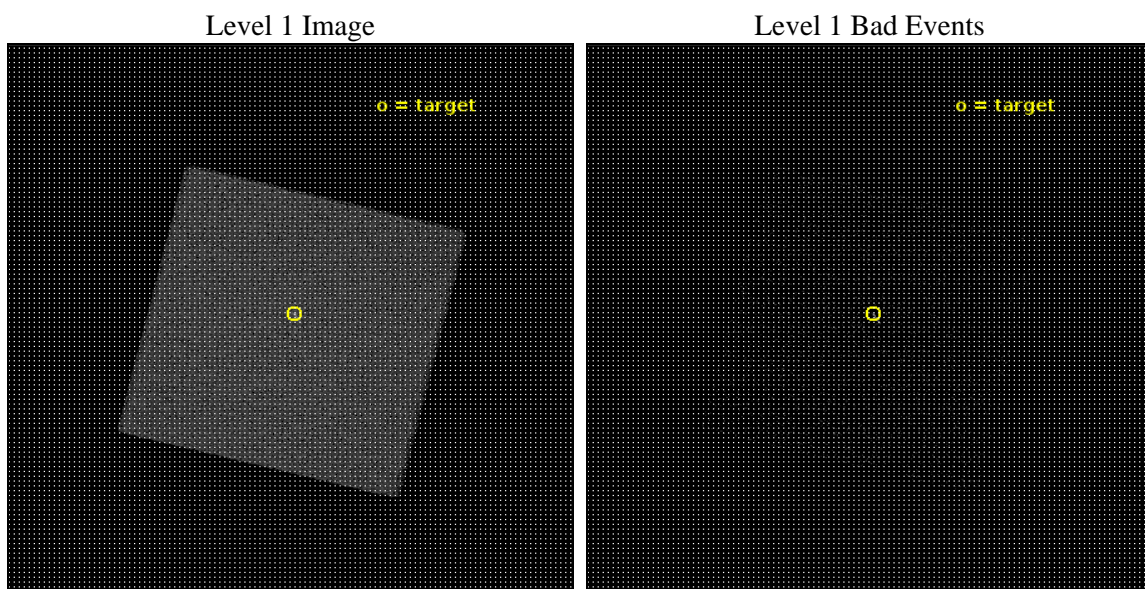
seq_num	291453	Sequence number
obs_id	21767	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.18147673449	Nominal RA [deg]
dec_nom	45.715460204848	Nominal Dec [deg]
roll_nom	58.947230261894	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.0250712633	[s]
livetime	1172.2666286474	Ontime multiplied by DTCOR
l2events	152461	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	1190.0250712633	[s]
caldbver	4.8.2	 	l1events	253048	Number of level 1 events
date	2019-04-08T22:59:49	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

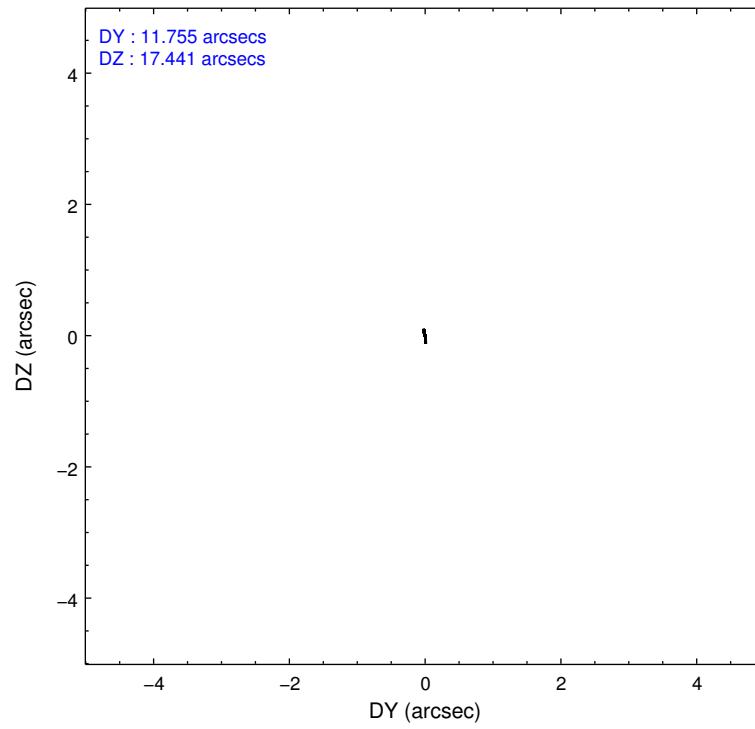
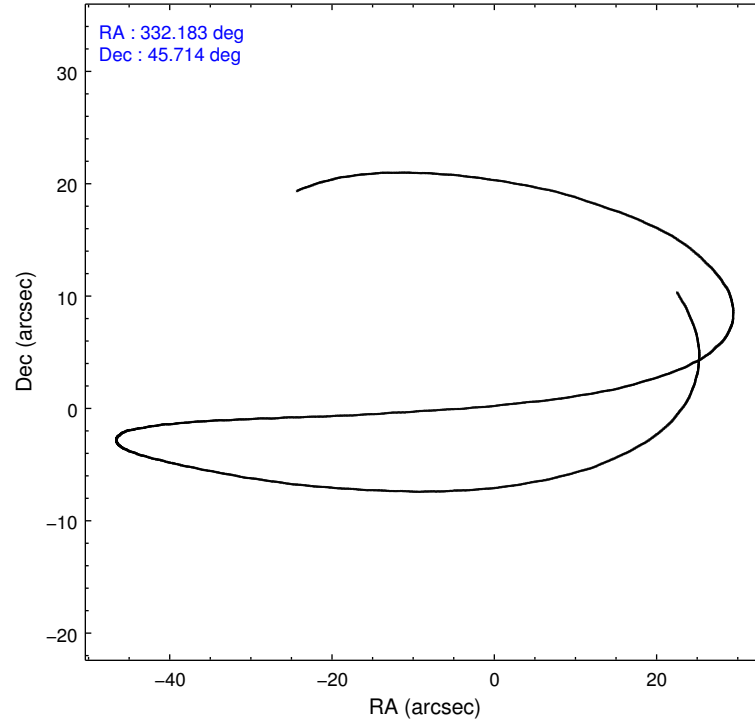
Level 1 Events

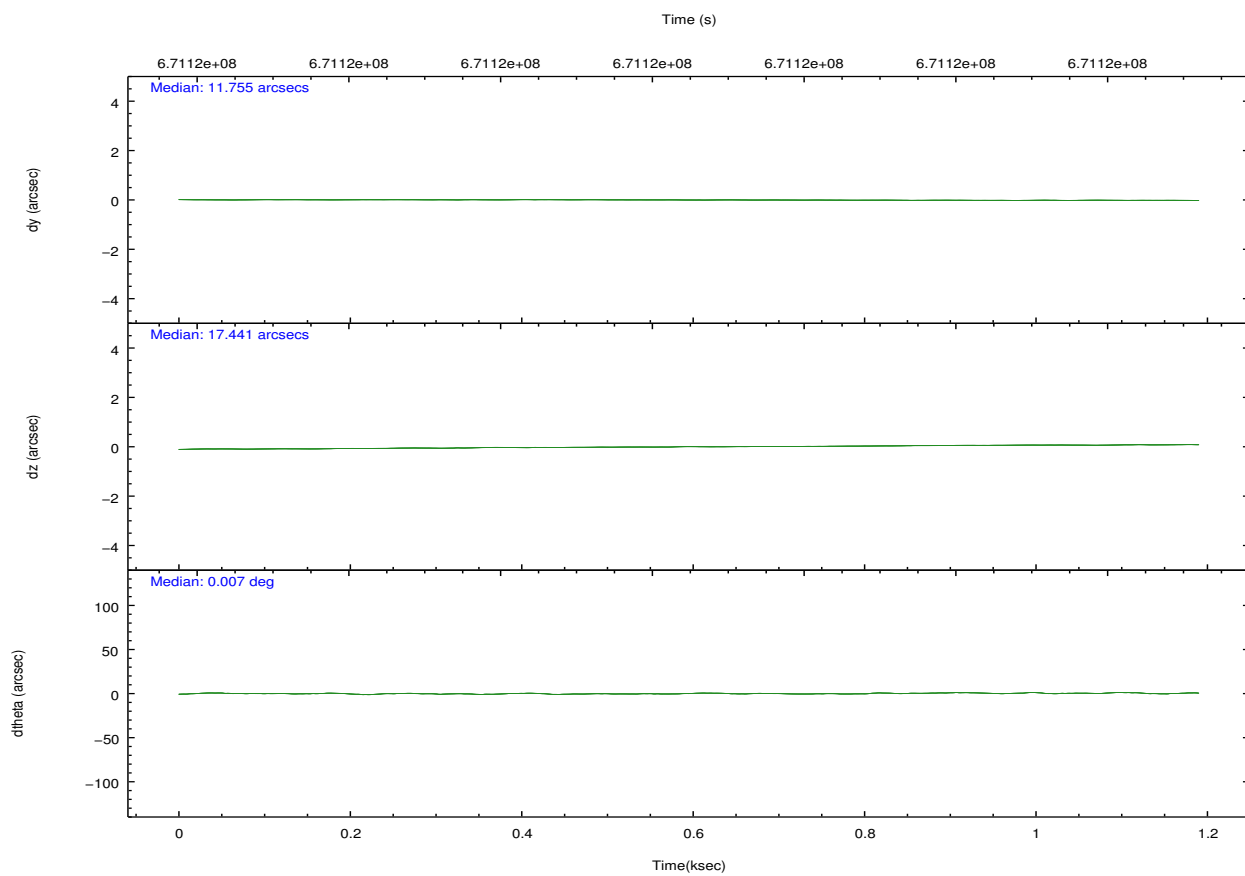
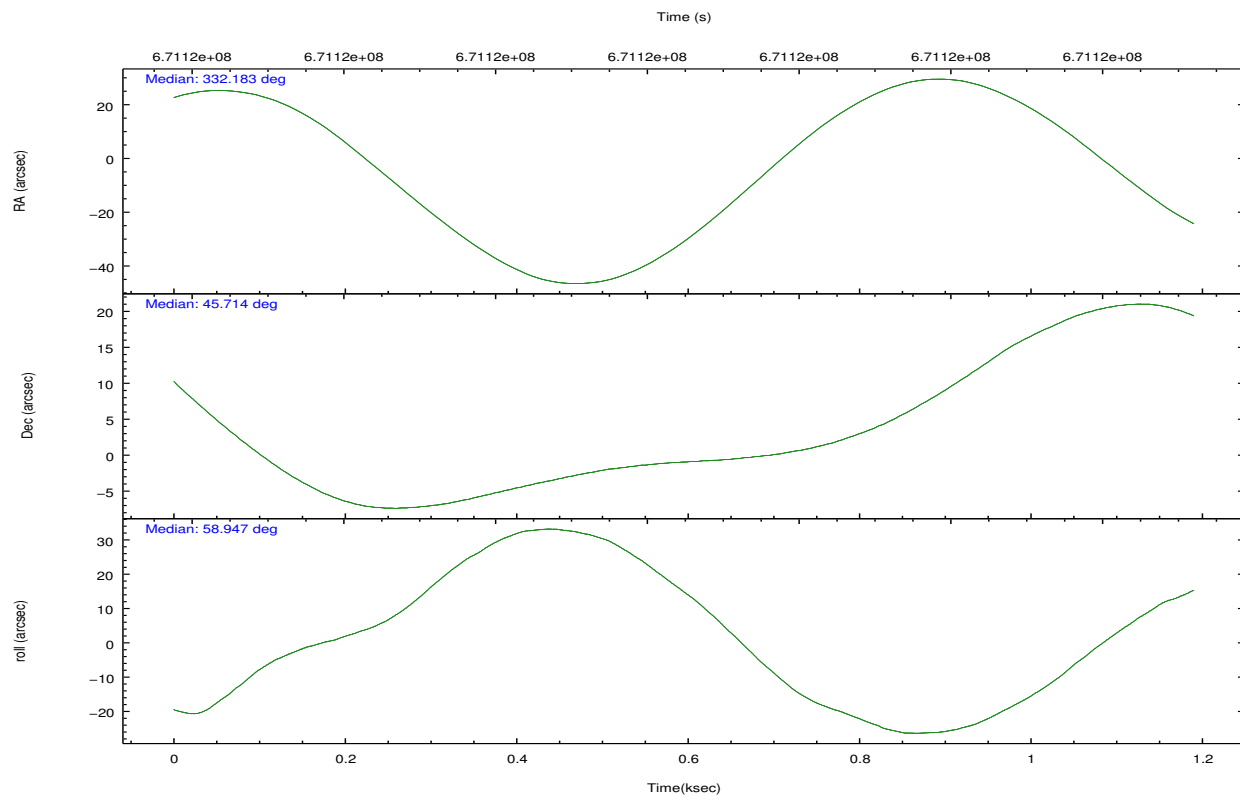
	segment 0
level 1 events	253048
rejected events	54005
rejected %	21%

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	332.180636	332.1814767344852			
[deg] Pointing Dec	45.688232	45.71546020484828			
[deg] Pointing Roll	59.043352	58.94723026189363			
[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)	671122454.184000	671122077.66618			
Observation start date	2019-04-08T14:53:05	2019-04-08T14:47:57			
[s] Observation end time (MET)	671123454.184000	671123588.00377			
Observation end date	2019-04-08T15:09:45	2019-04-08T15:13:08			

2.3 Aspect



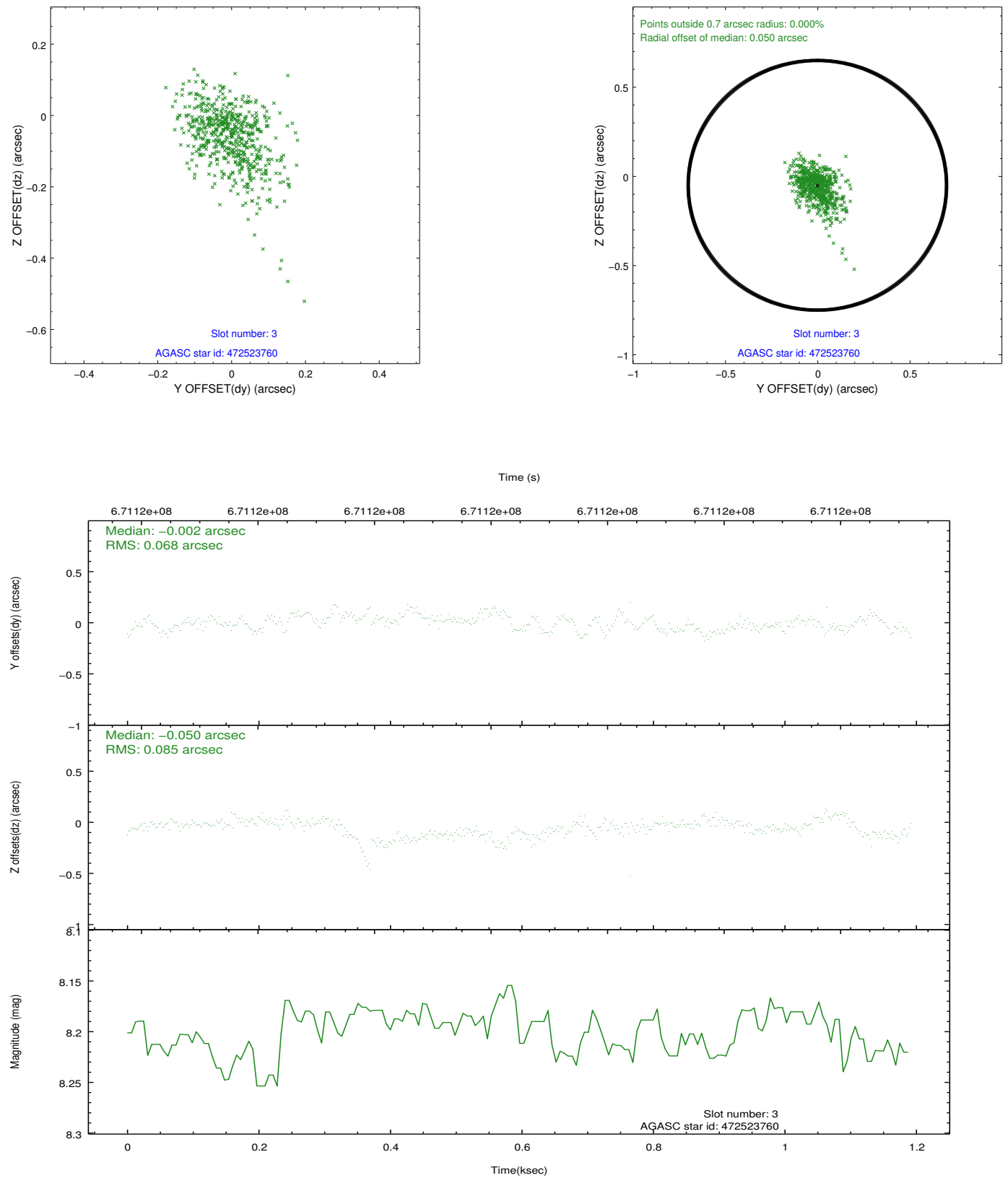


Slot Statistics

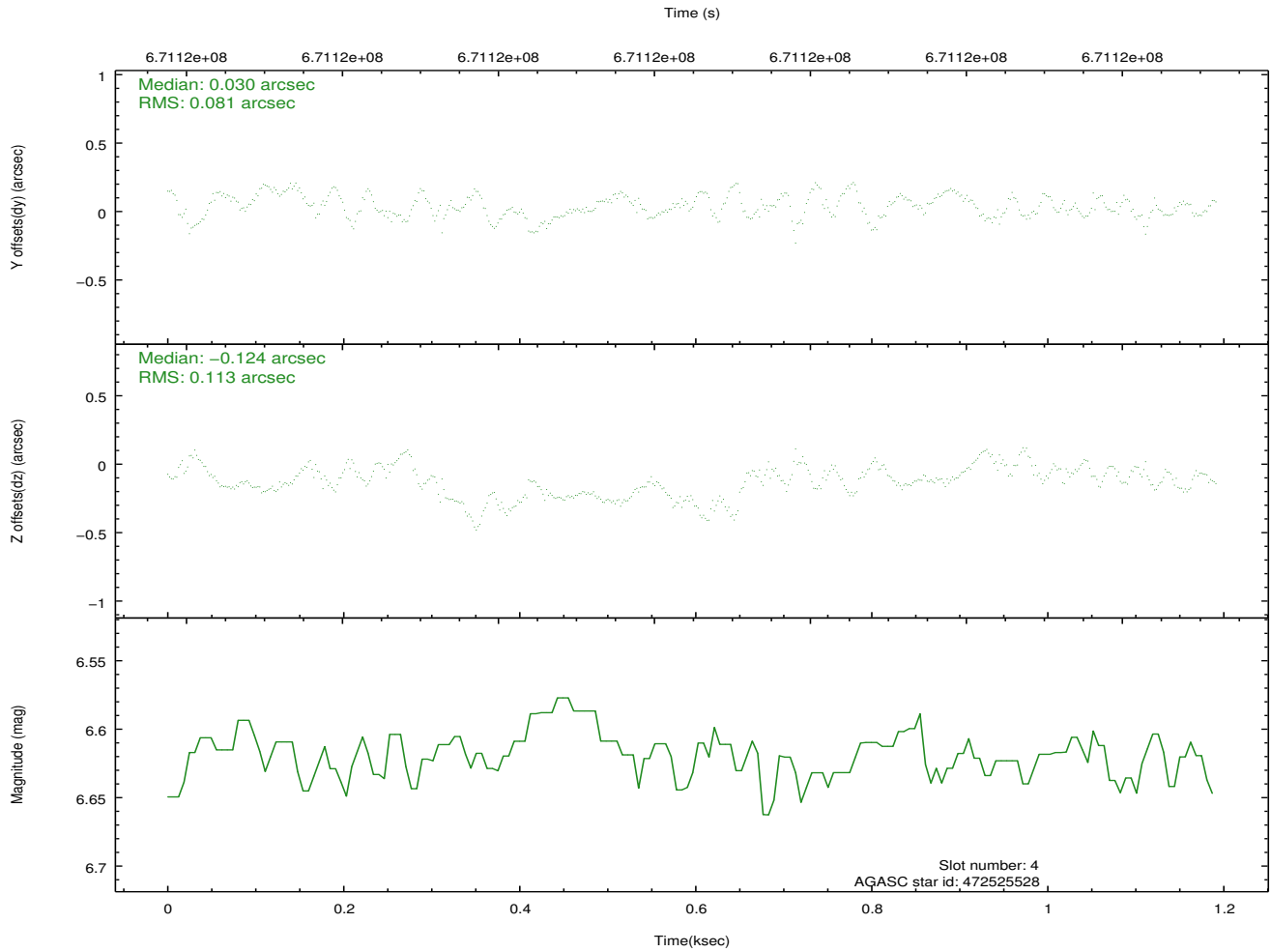
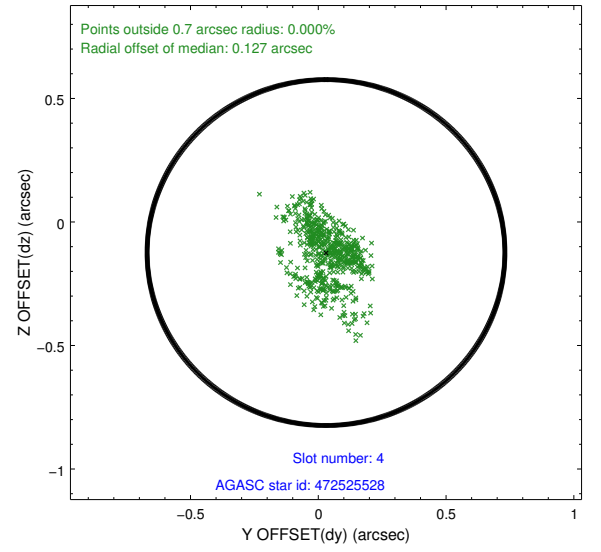
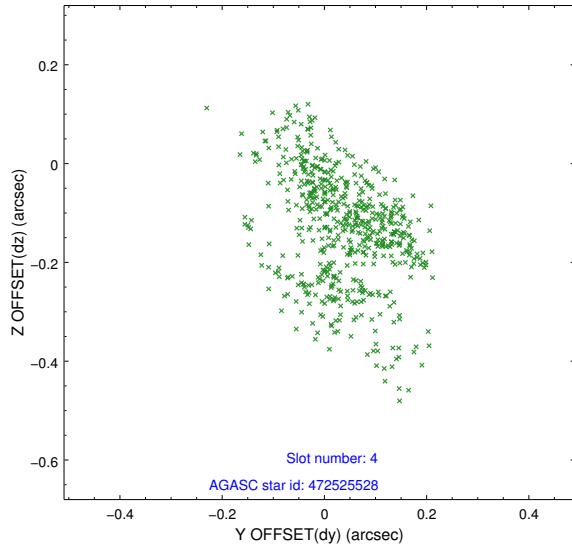
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	291	1.000	-0.248	-0.013	0.007	0.011	0.000000	0.000000	-767.67	-1305
1	FID		HRC-I-2	7.03	291	1.000	0.419	-0.138	0.006	0.011	0.000000	0.000000	843.00	-1311
2	FID		HRC-I-3	7.09	291	1.000	-0.052	0.061	0.006	0.012	0.000000	0.000000	-1193.13	994
3	GUIDE	used	472523760	8.20	582	1.000	-0.002	-0.050	0.107	0.196	331.645363	45.403260	-1572.94	637
4	GUIDE	used	472525528	6.62	582	1.000	0.030	-0.124	0.145	0.242	331.551102	45.248694	-2175.66	560
5	GUIDE	used	472533912	9.12	582	1.000	-0.233	-0.478	0.207	0.322	331.791136	46.368695	1600.23	2094
6	GUIDE	used	472665256	8.97	581	1.000	-0.247	0.174	0.159	0.262	332.808125	46.195041	2375.80	-392
7	GUIDE	used	472649352	9.71	579	1.000	0.451	0.508	0.257	0.523	332.034169	45.325407	-1306.77	-351

2.4 Star Slots

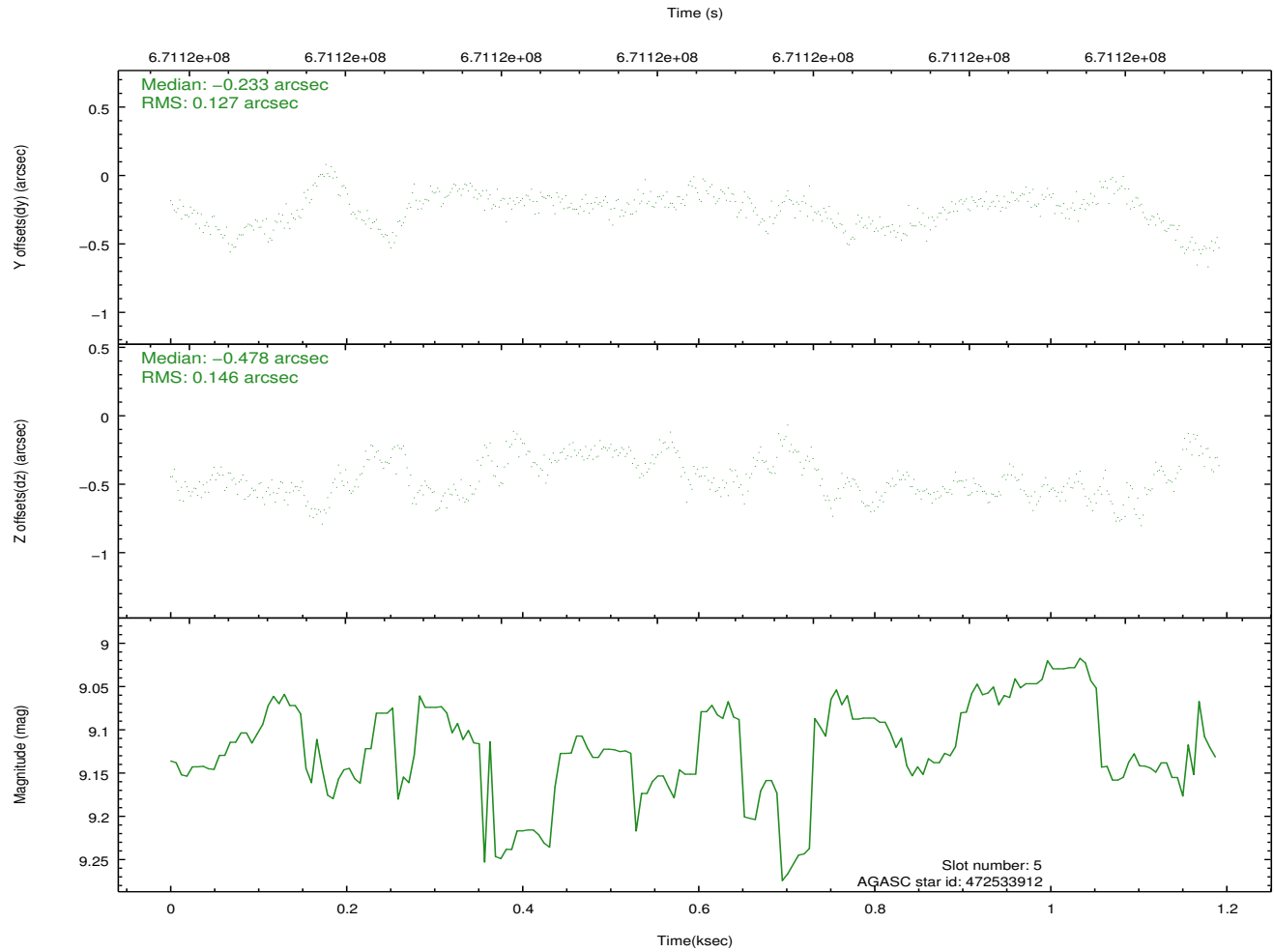
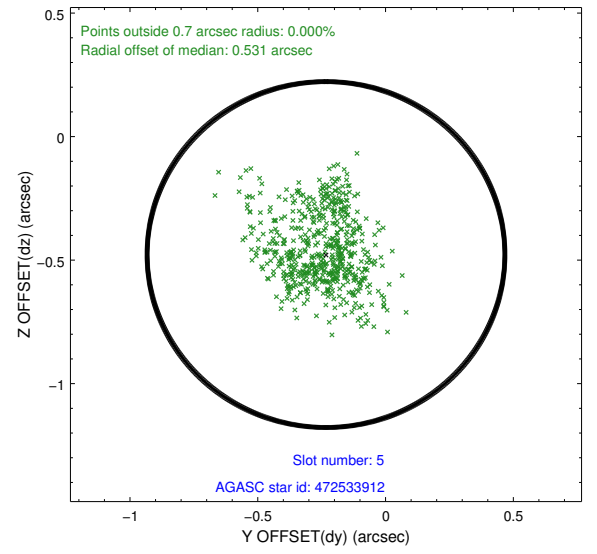
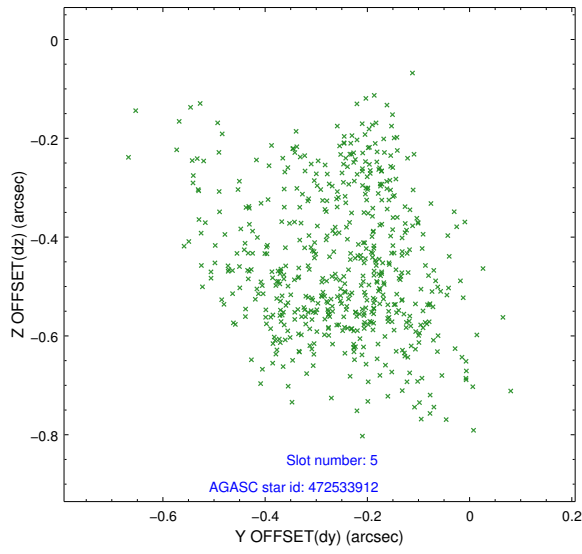
2.4.1 Slot 3



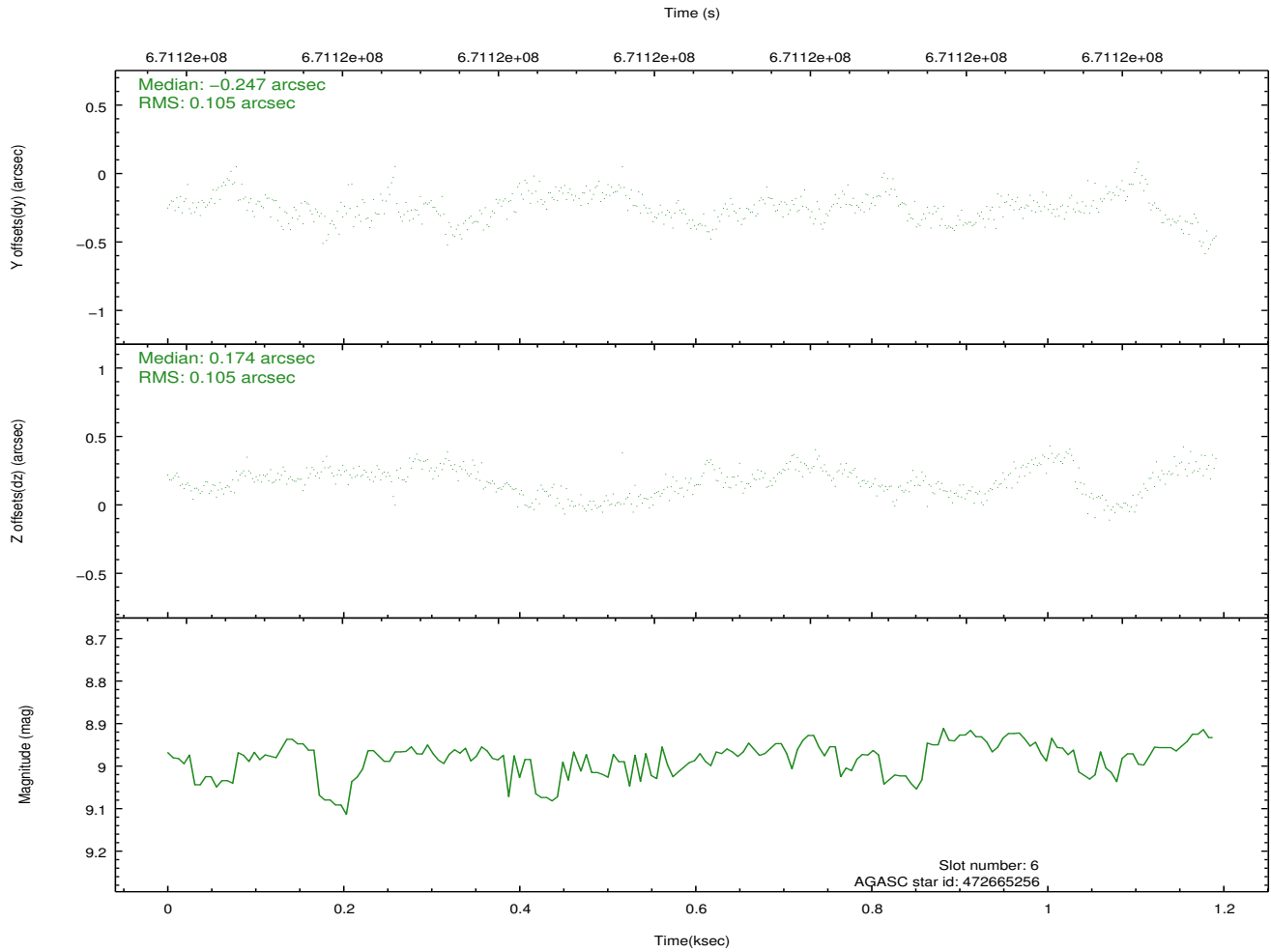
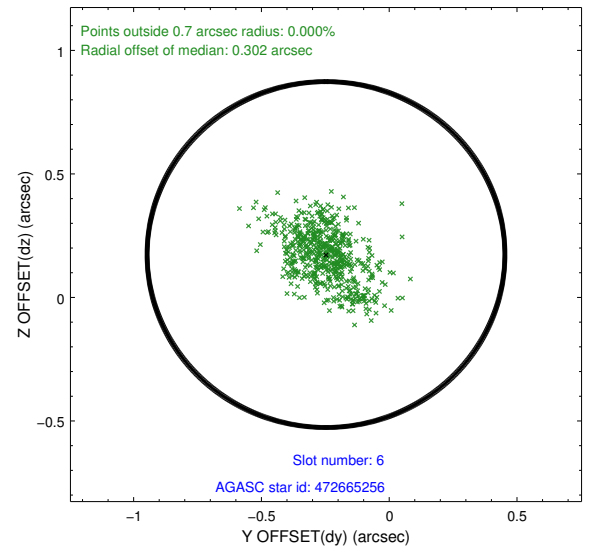
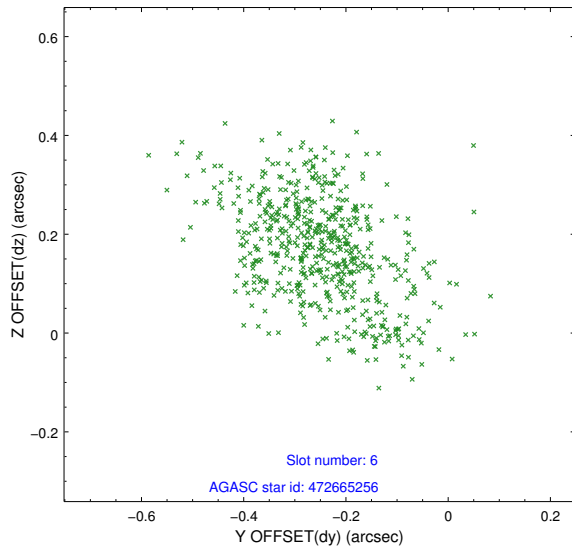
2.4.2 Slot 4



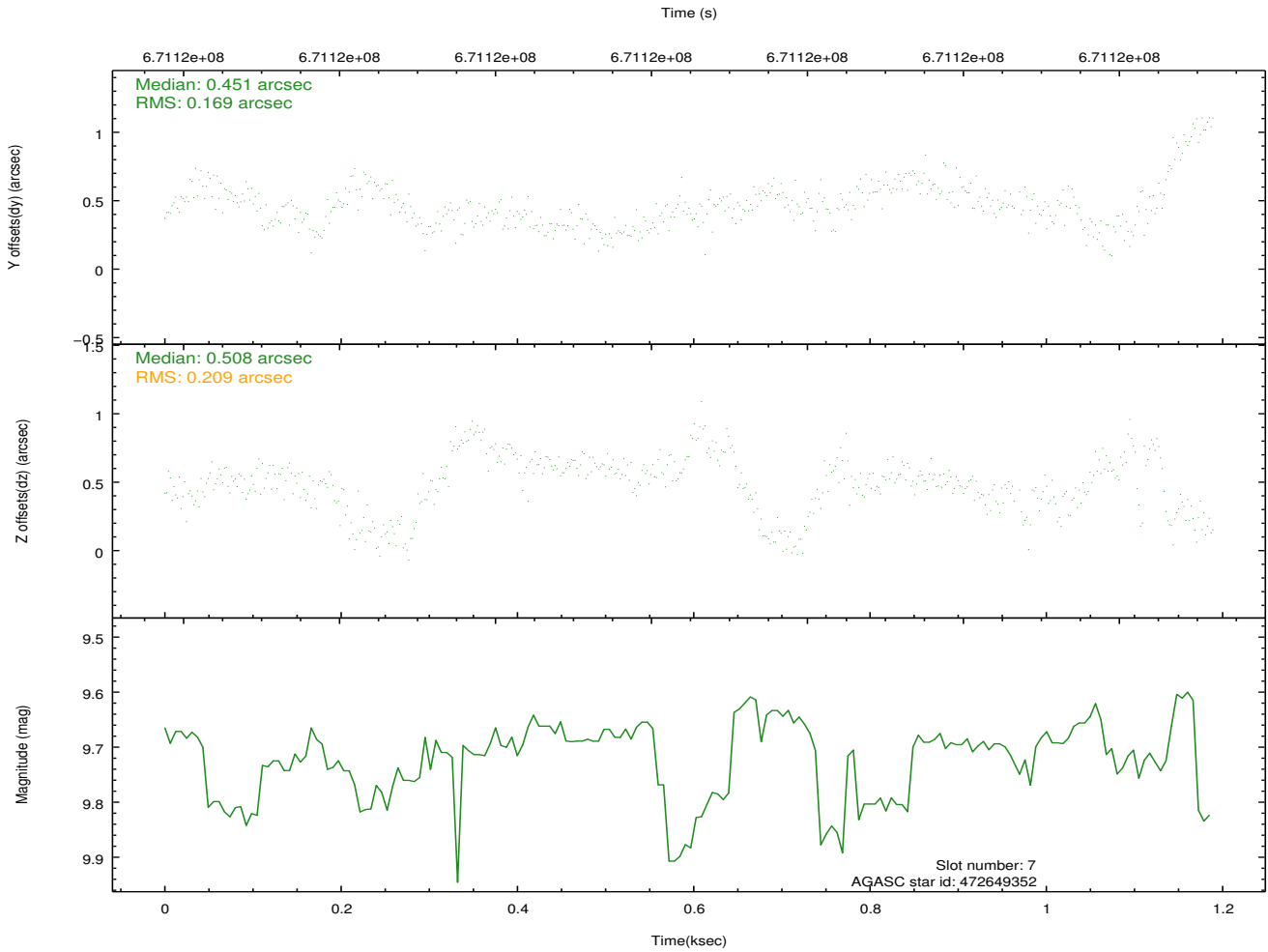
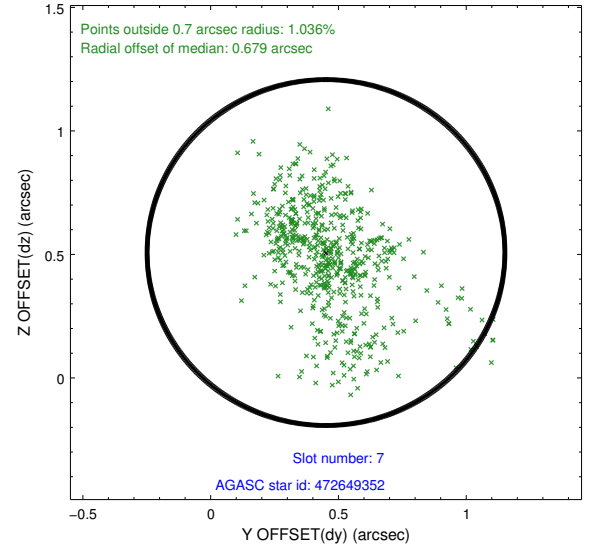
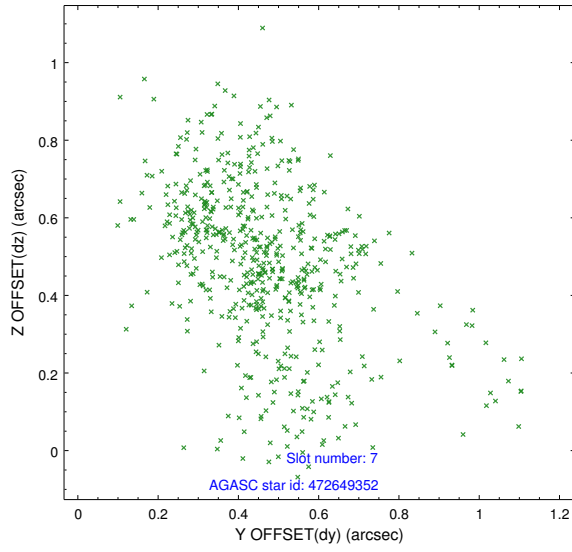
2.4.3 Slot 5



2.4.4 Slot 6

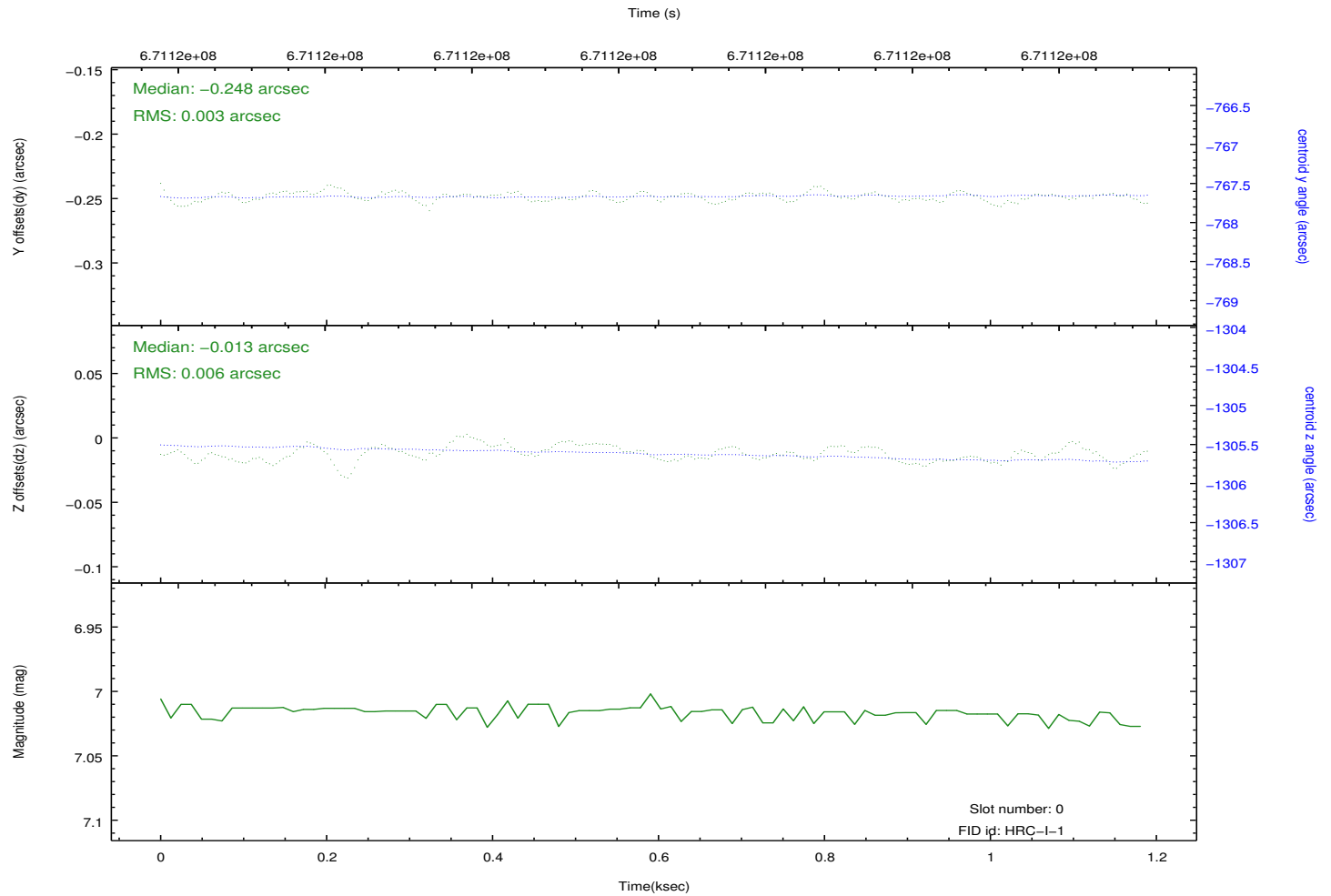
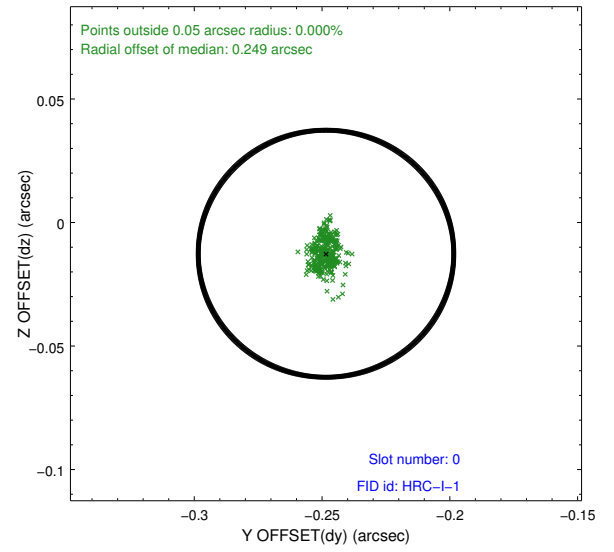
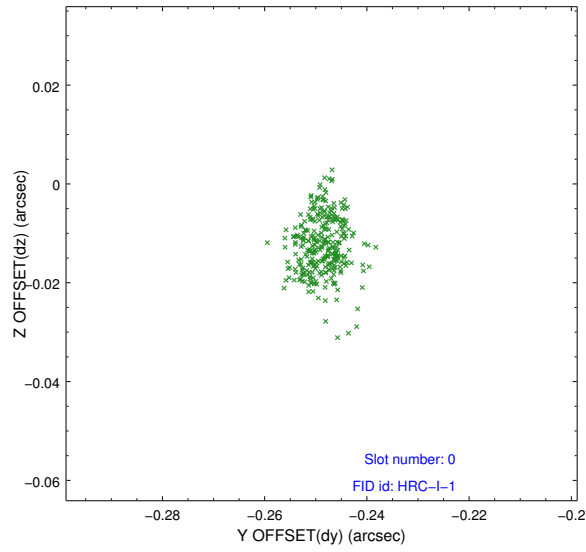


2.4.5 Slot 7

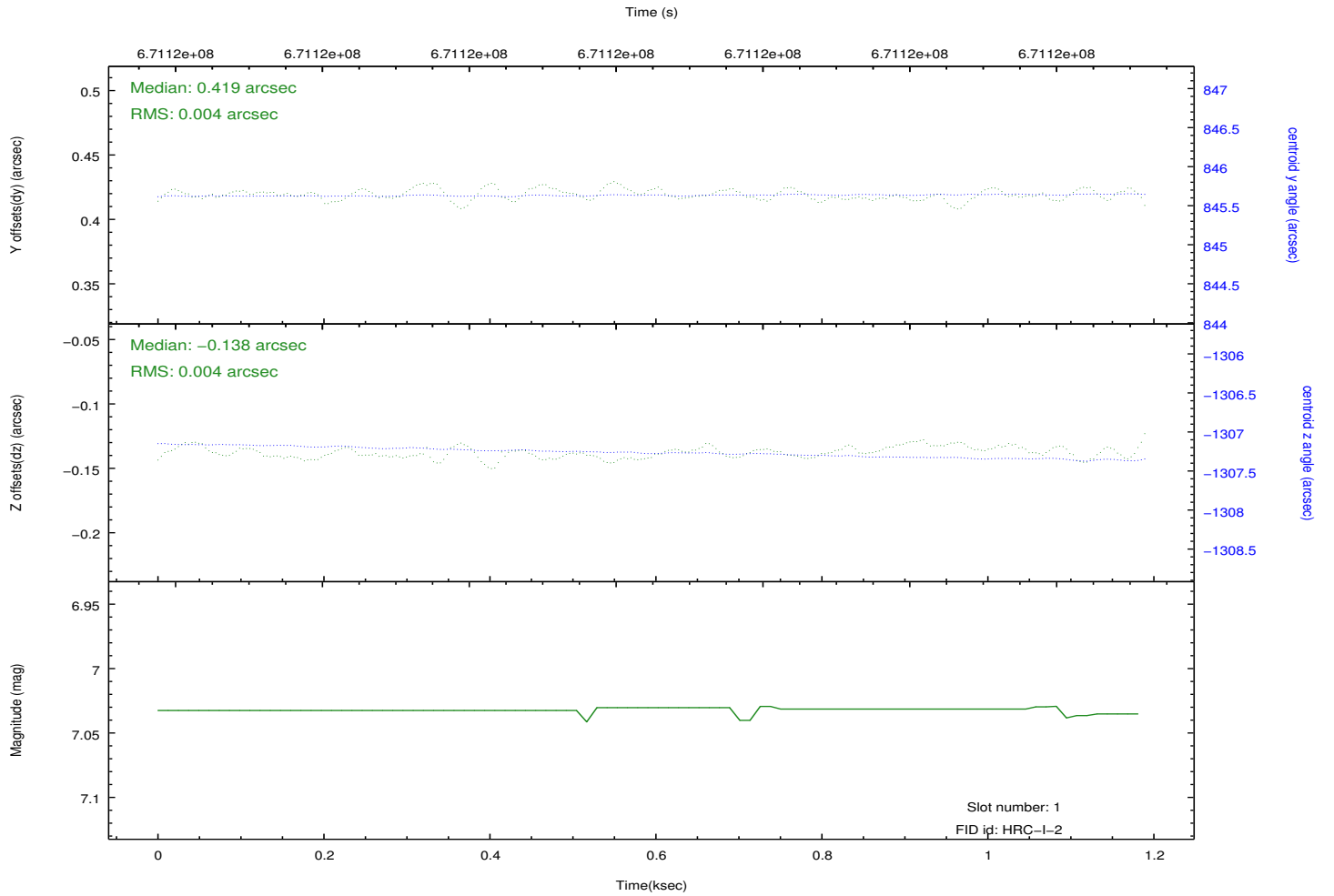
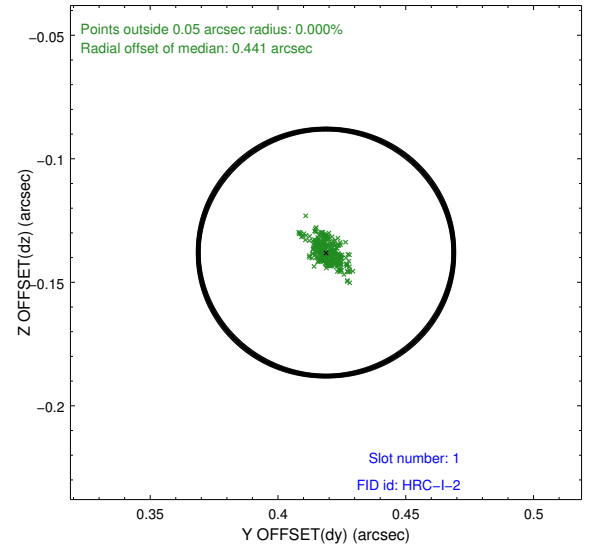
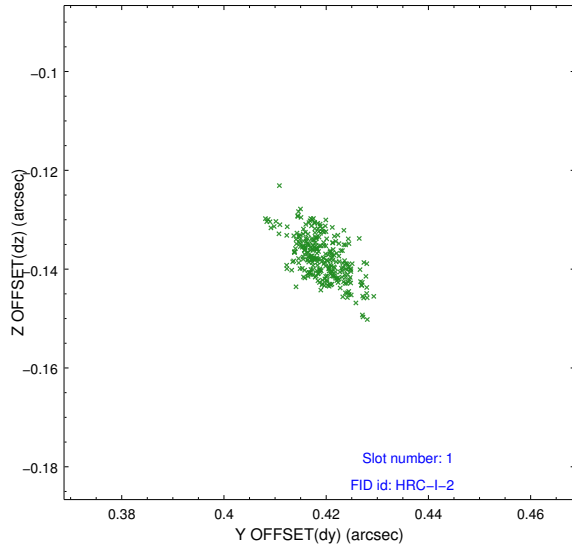


2.5 FID Slots

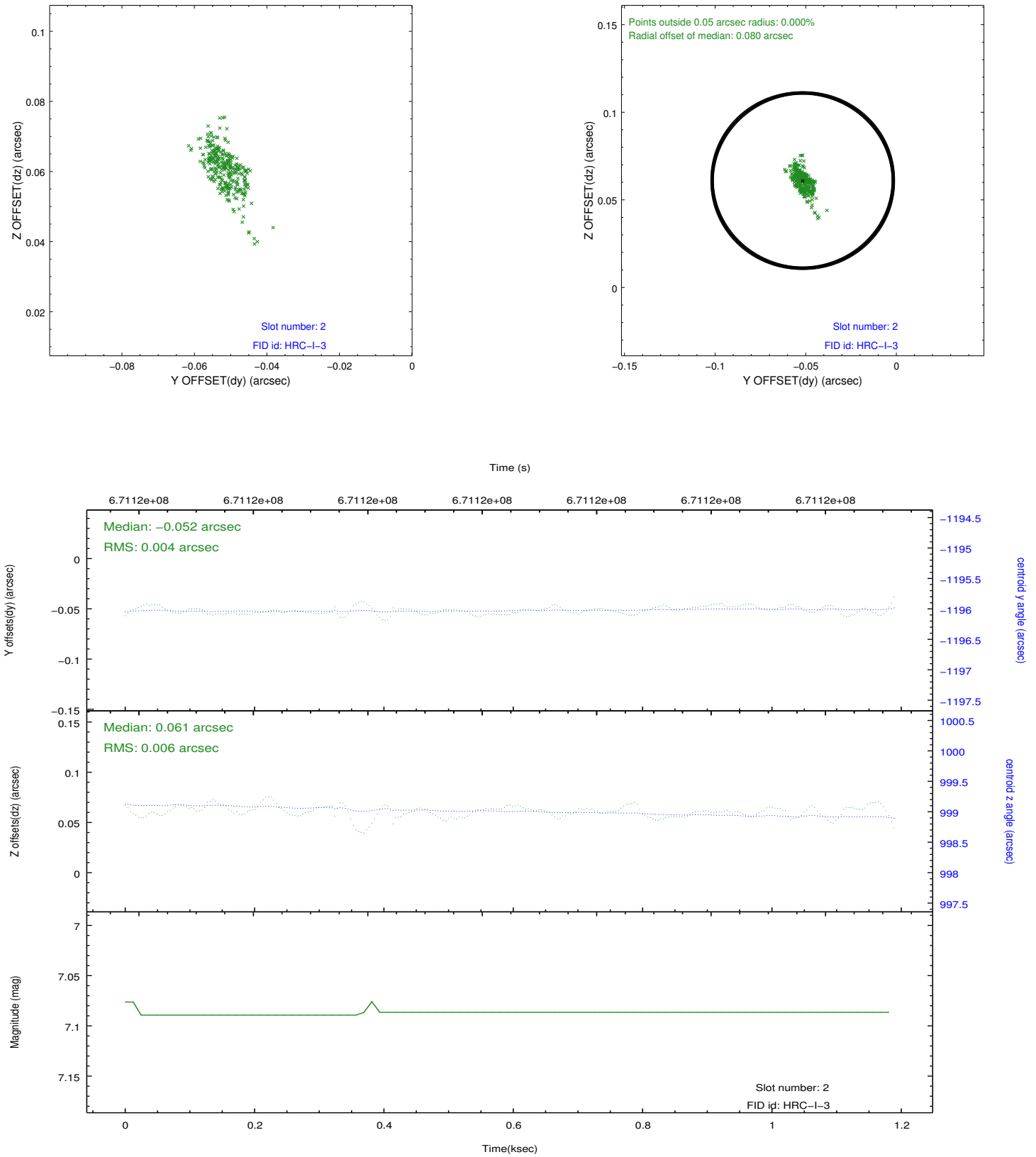
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1900250712633

A.2 Comments