

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21753 - L2 Version 1
Chandra X-Ray Center

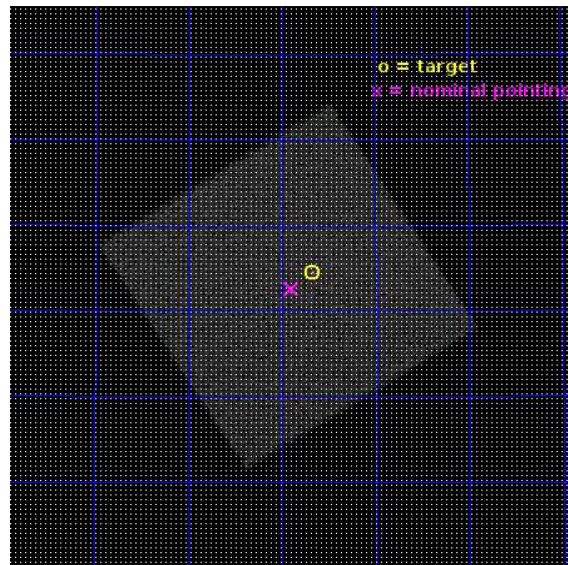
L2 Processing Date : Sep 4 2019

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1 Front

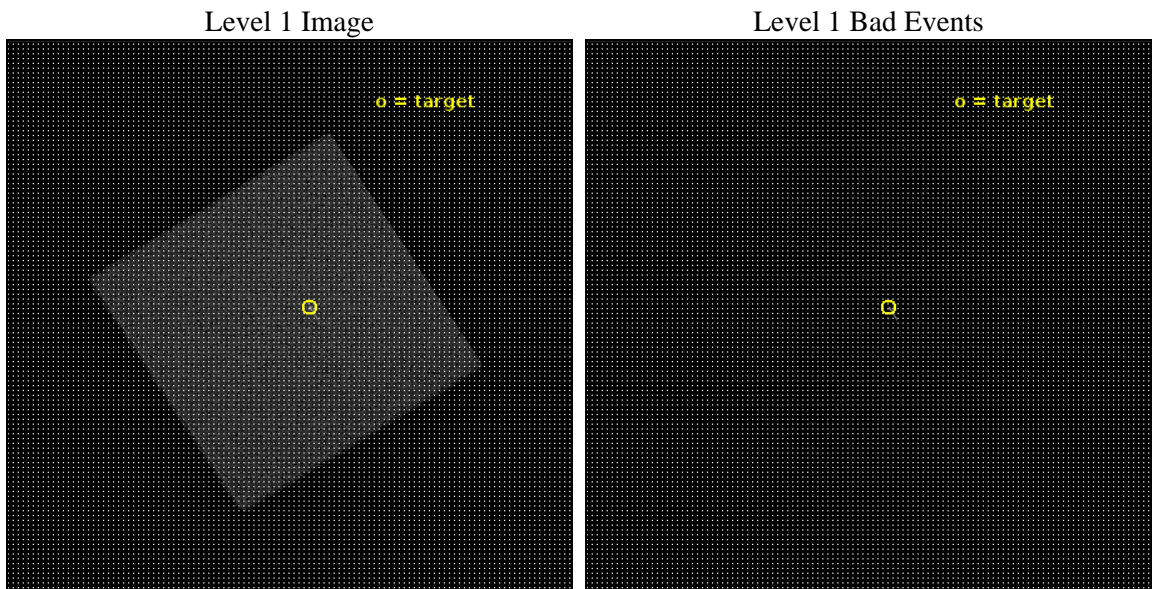
seq_num	291439	Sequence number
obs_id	21753	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.22487216939	Nominal RA [deg]
dec_nom	45.710425024835	Nominal Dec [deg]
roll_nom	192.69072358528	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.4313220978	[s]
livetime	1179.2750298486	Ontime multiplied by DTCOR
l2events	151286	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	10.8	Processing system revision	ontime	1196.4313220978	[s]
caldbver	4.8.4	 	l1events	248712	Number of level 1 events
date	2019-09-04T15:06:51	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

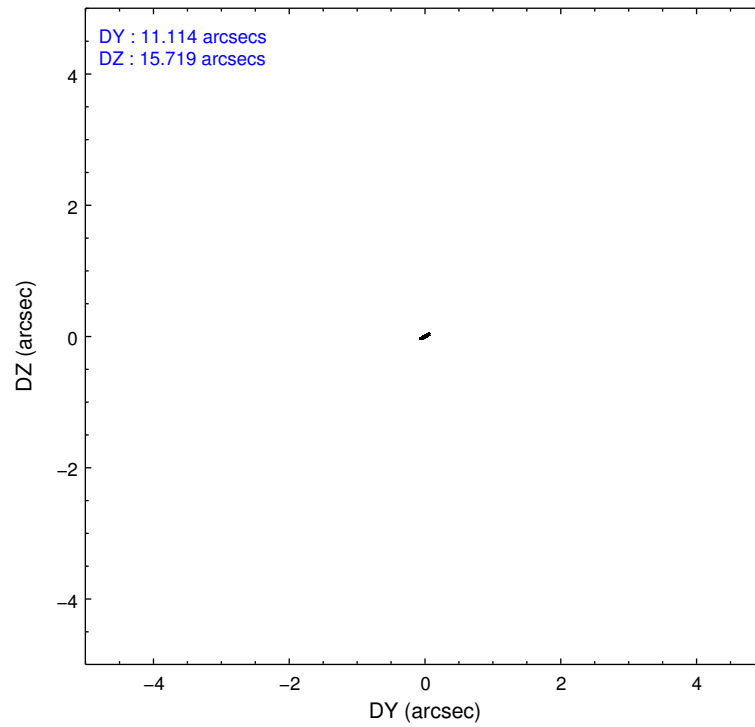
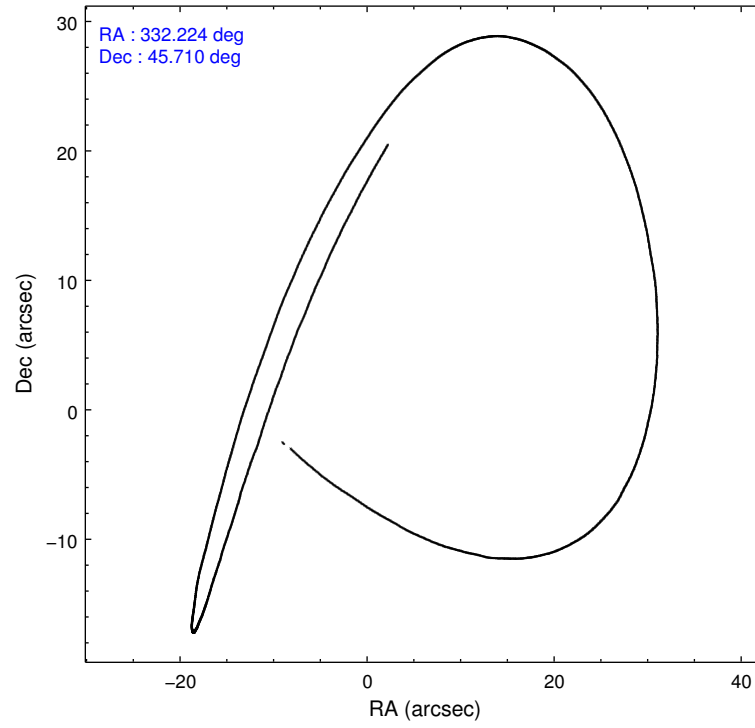
Level 1 Events

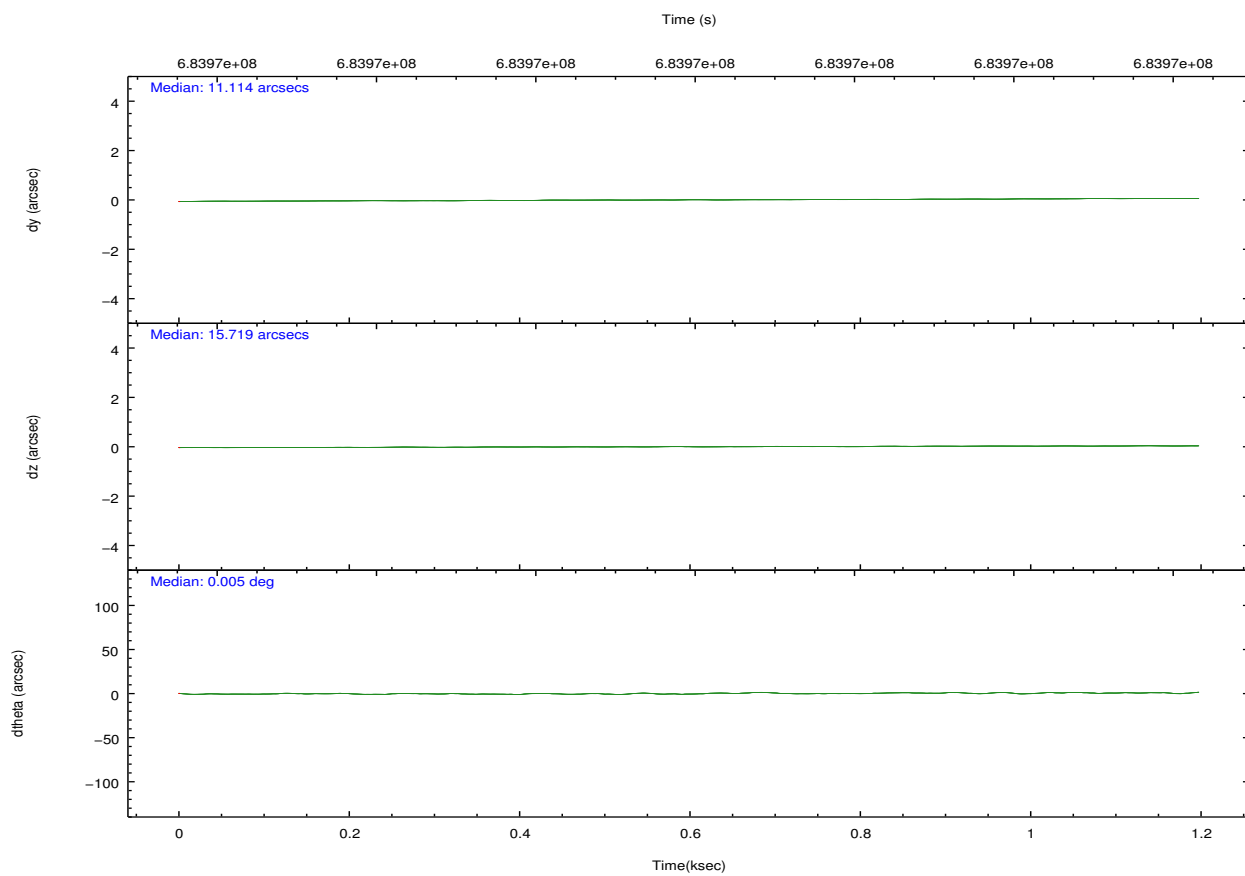
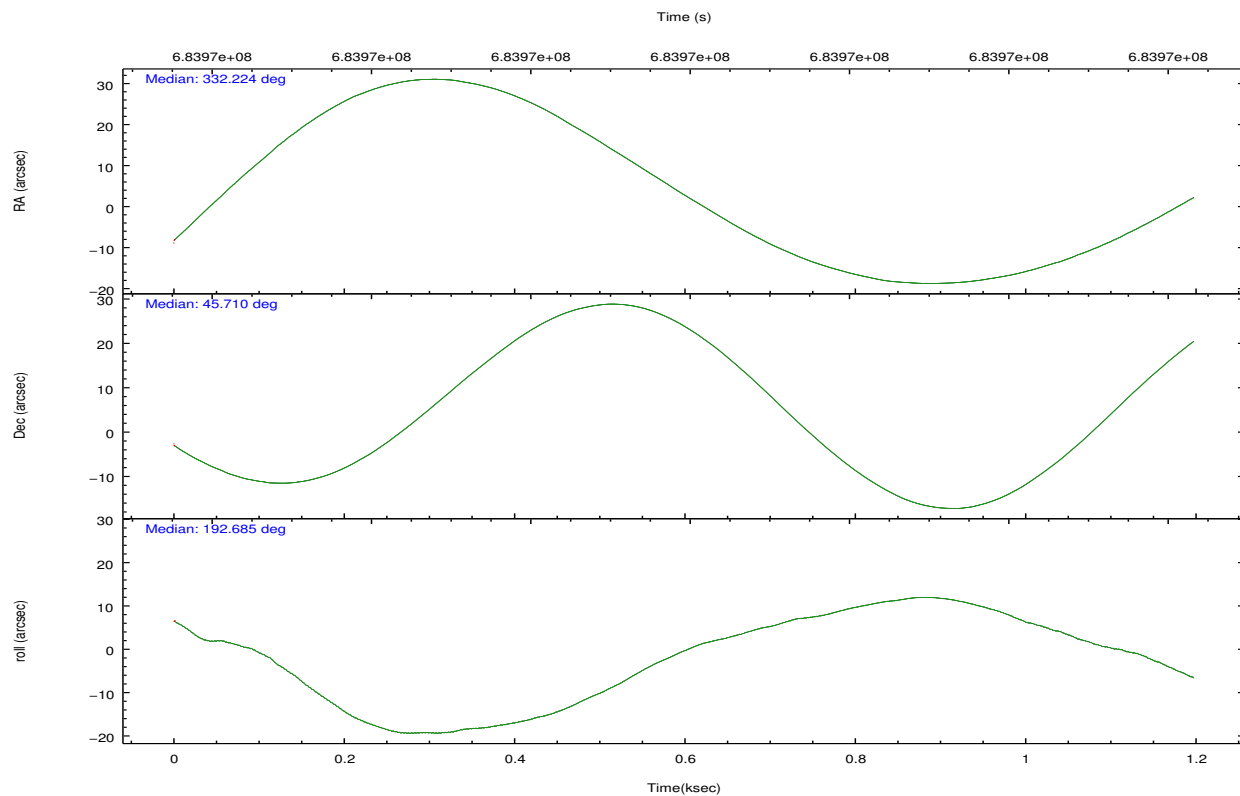
	segment 0
level 1 events	248712
rejected events	51645
rejected %	20%

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	332.252845	332.2248721693907			
[deg] Pointing Dec	45.730366	45.71042502483492			
[deg] Pointing Roll	192.766138	192.690723585283			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	683966193.184000	683965817.36198			
Observation start date	2019-09-04T06:35:24	2019-09-04T06:30:17			
[s] Observation end time (MET)	683967193.184000	683967327.18707			
Observation end date	2019-09-04T06:52:04	2019-09-04T06:55:27			

2.3 Aspect



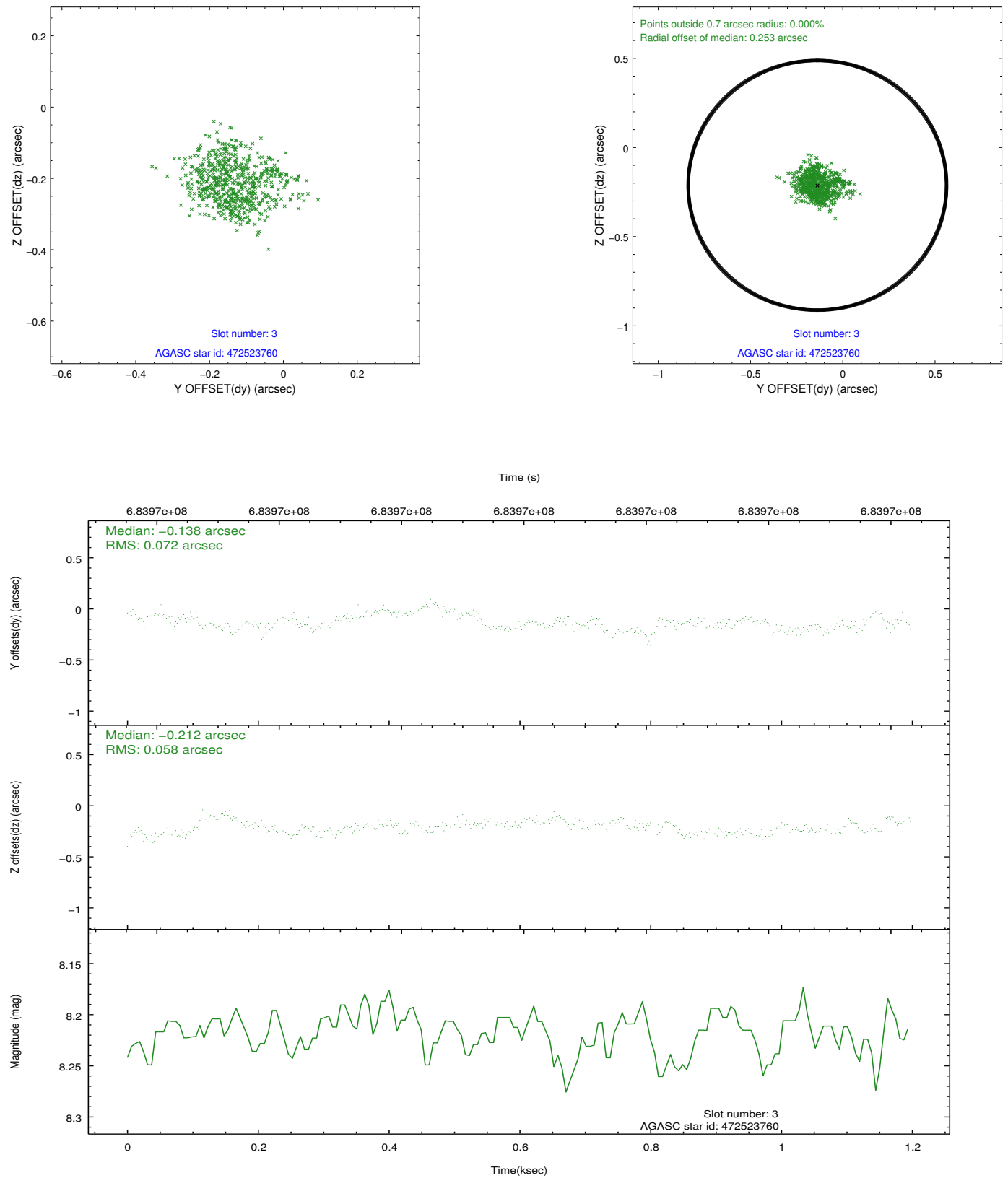


Slot Statistics

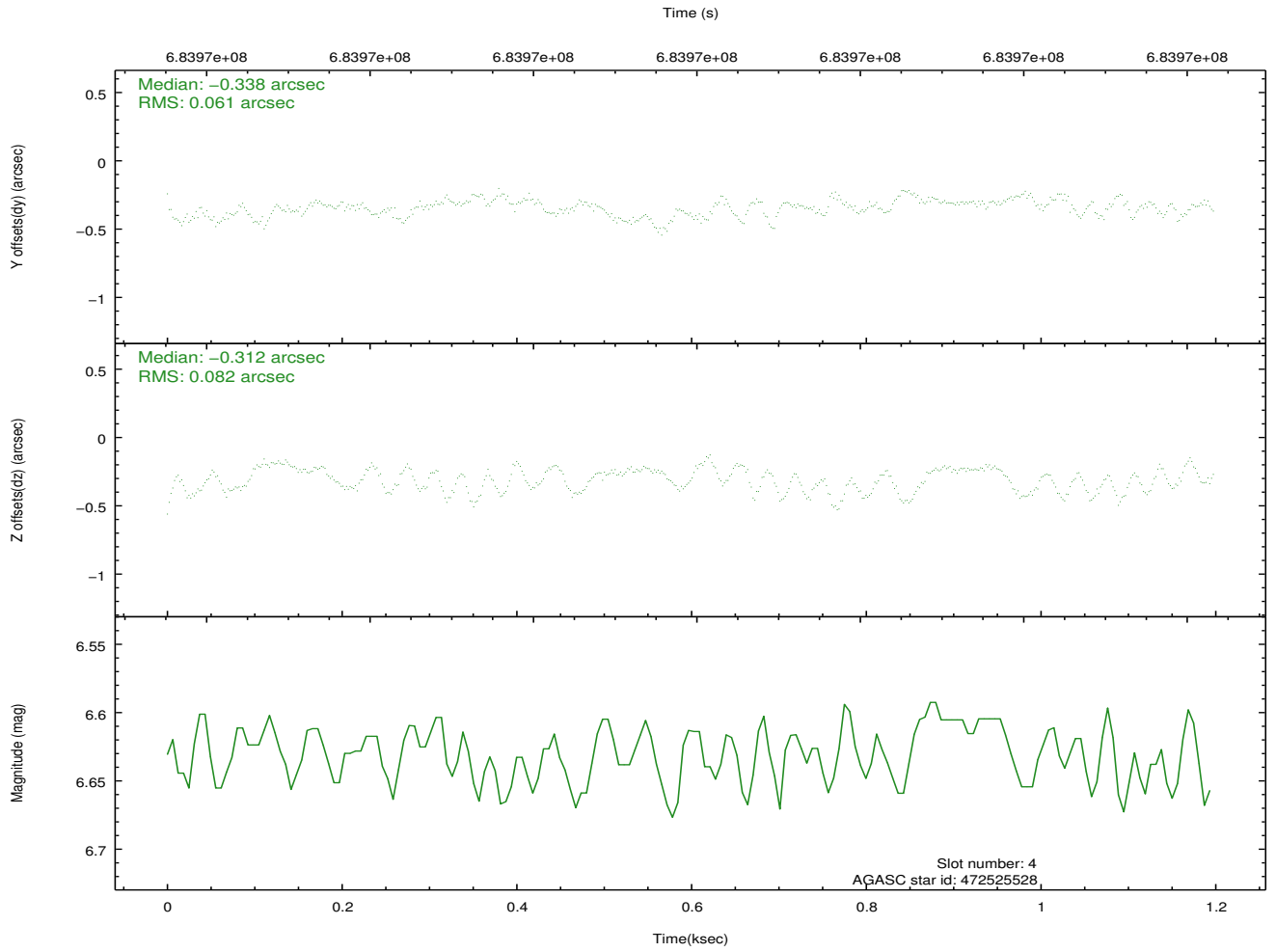
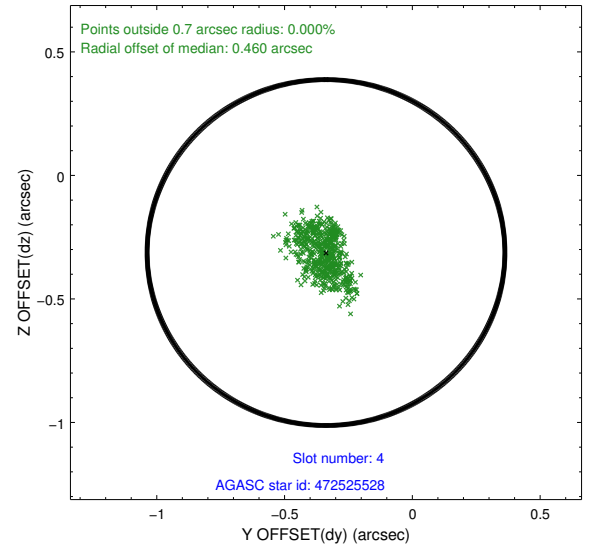
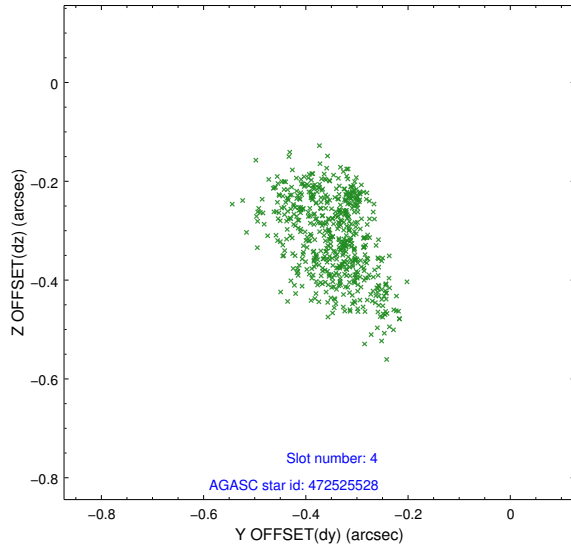
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.05	293	1.000	-0.239	-0.051	0.007	0.013	0.000000	0.000000	-766.97	-1303
1	FID		HRC-I-2	7.07	293	1.000	0.402	-0.121	0.005	0.009	0.000000	0.000000	843.68	-1309
2	FID		HRC-I-3	7.12	293	1.000	-0.044	0.082	0.006	0.010	0.000000	0.000000	-1192.51	996
3	GUIDE	used	472523760	8.22	585	1.000	-0.138	-0.212	0.098	0.155	331.645363	45.403260	1756.42	800
4	GUIDE	used	472525528	6.63	585	1.000	-0.338	-0.312	0.108	0.166	331.551102	45.248694	2118.13	1288
5	GUIDE	used	472535576	7.85	585	1.000	0.194	0.304	0.109	0.199	331.438373	46.291802	1531.12	-2430
6	GUIDE	used	472665256	8.96	584	1.000	0.622	0.571	0.113	0.177	332.808125	46.195041	-1716.91	-1337
7	GUIDE	used	472527720	7.00	584	1.000	-0.321	-0.344	0.111	0.158	331.460205	45.112509	2449.61	1708

2.4 Star Slots

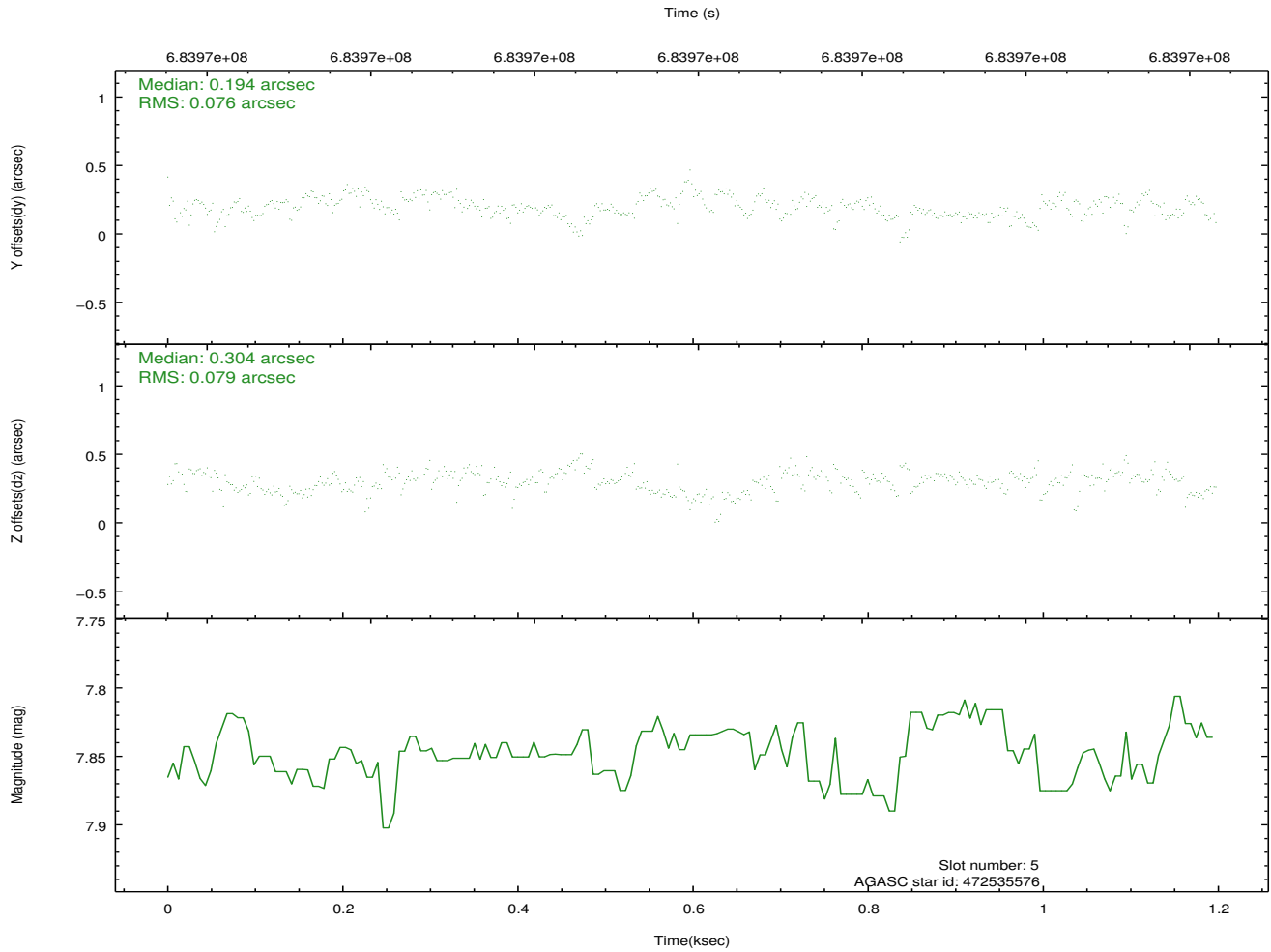
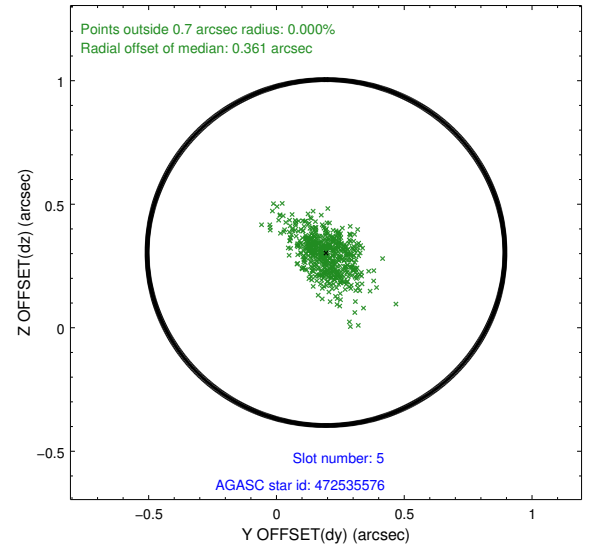
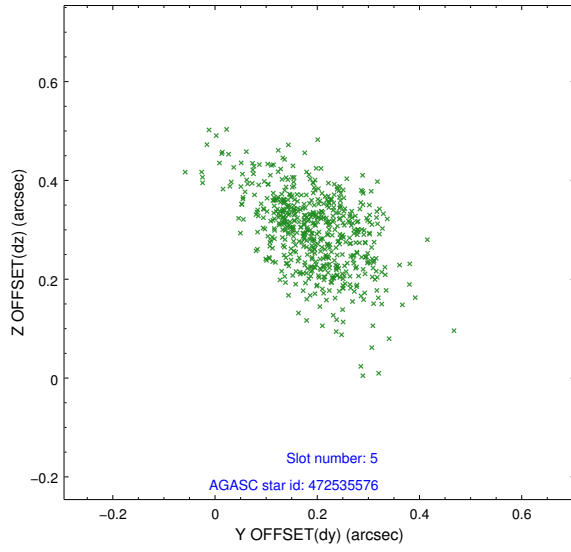
2.4.1 Slot 3



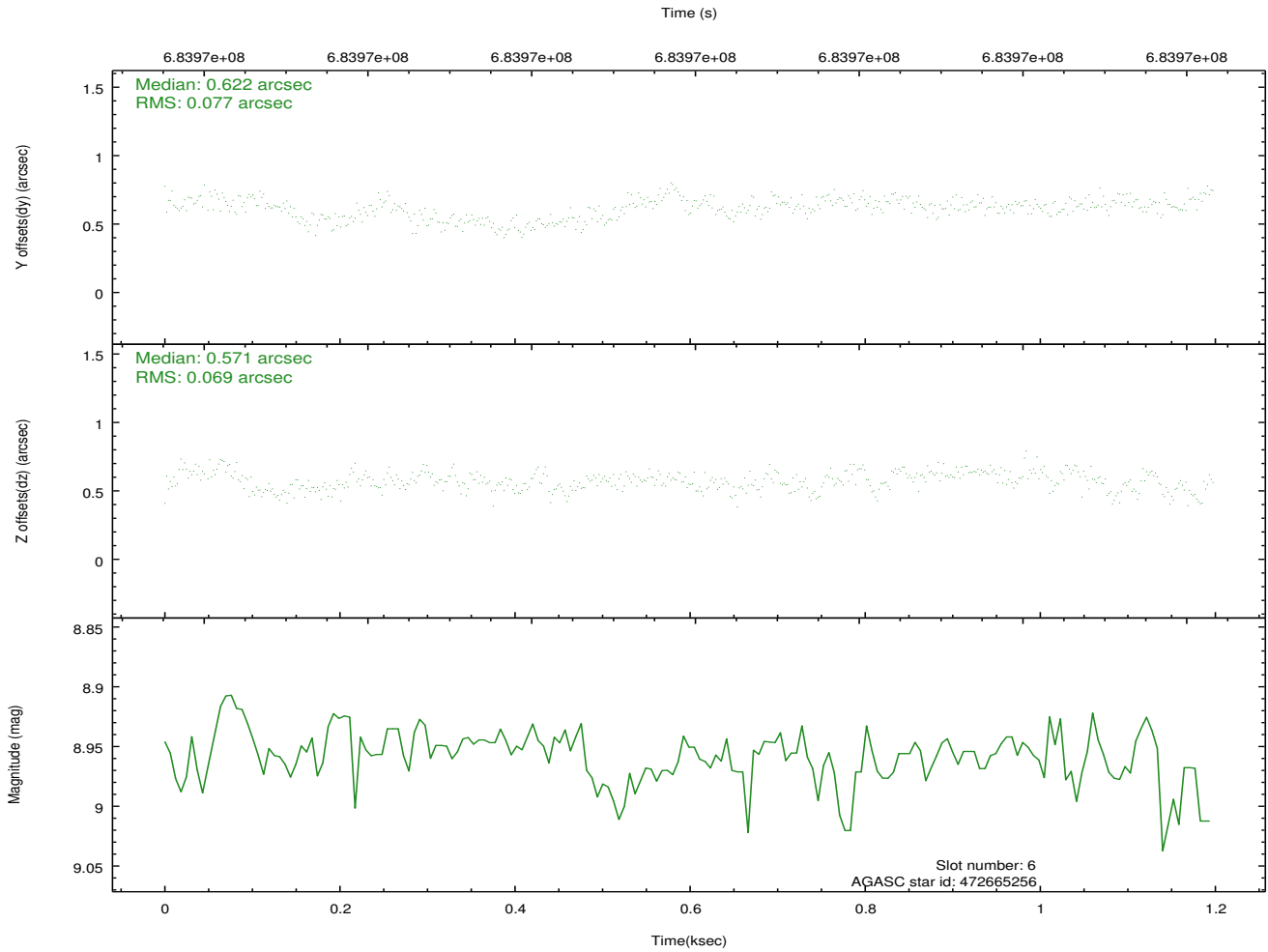
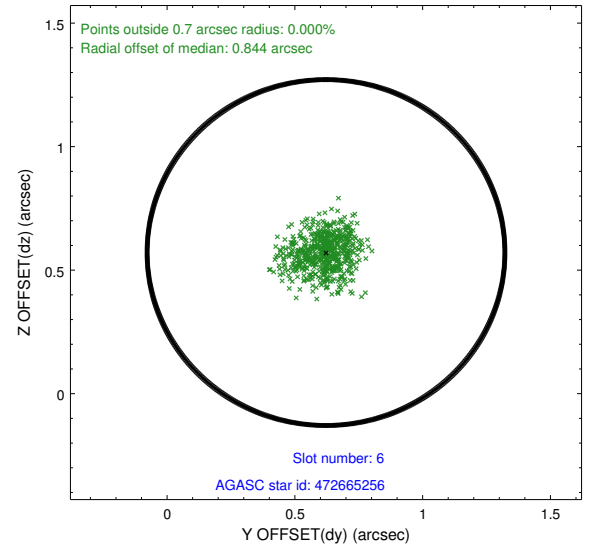
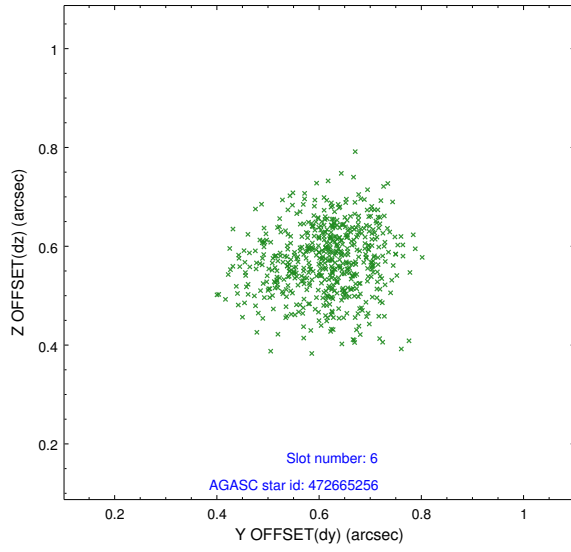
2.4.2 Slot 4



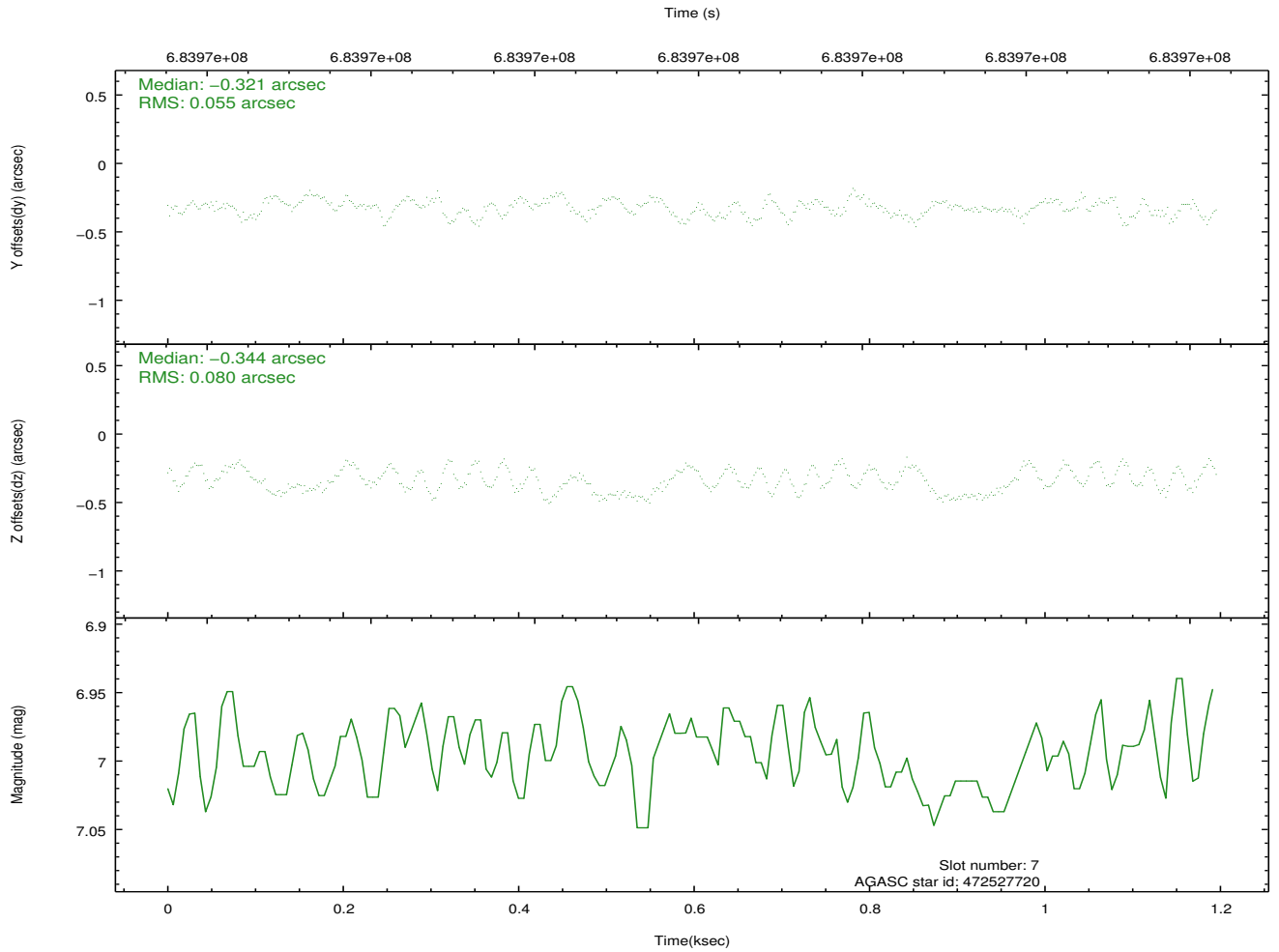
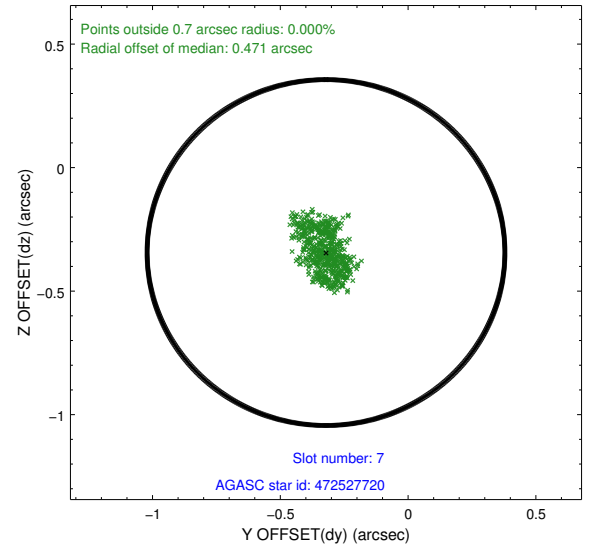
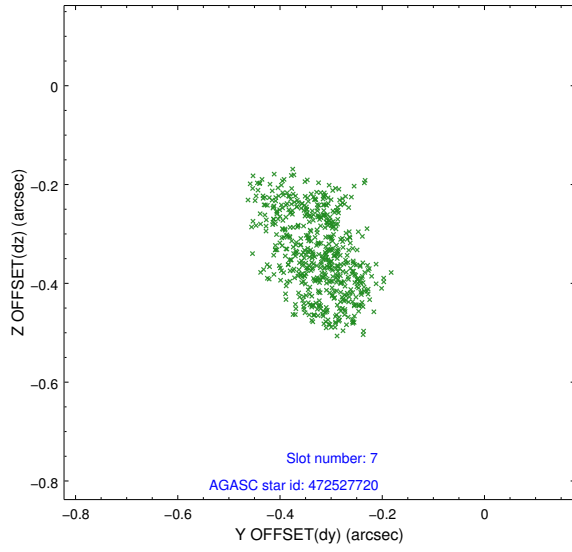
2.4.3 Slot 5



2.4.4 Slot 6

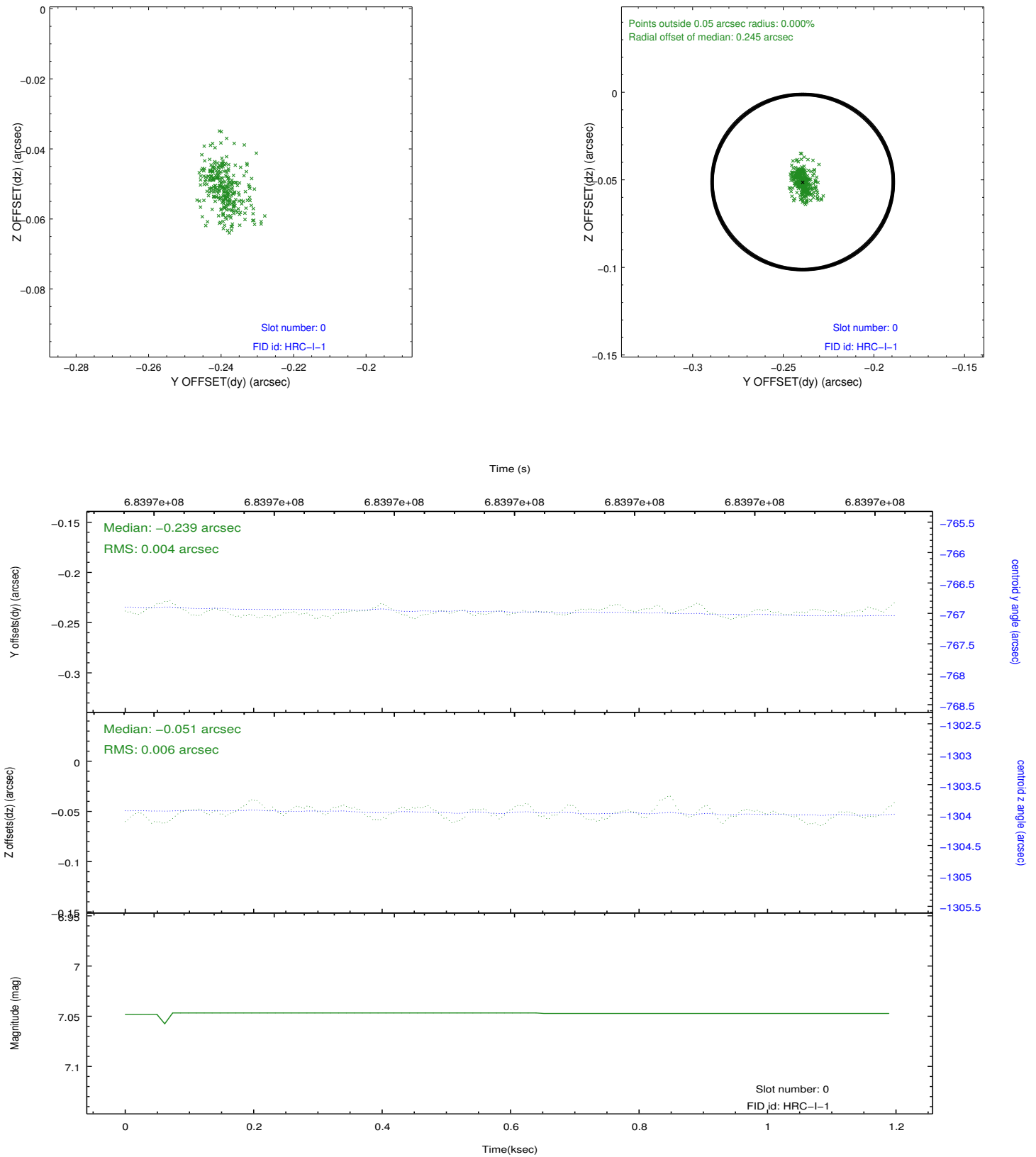


2.4.5 Slot 7

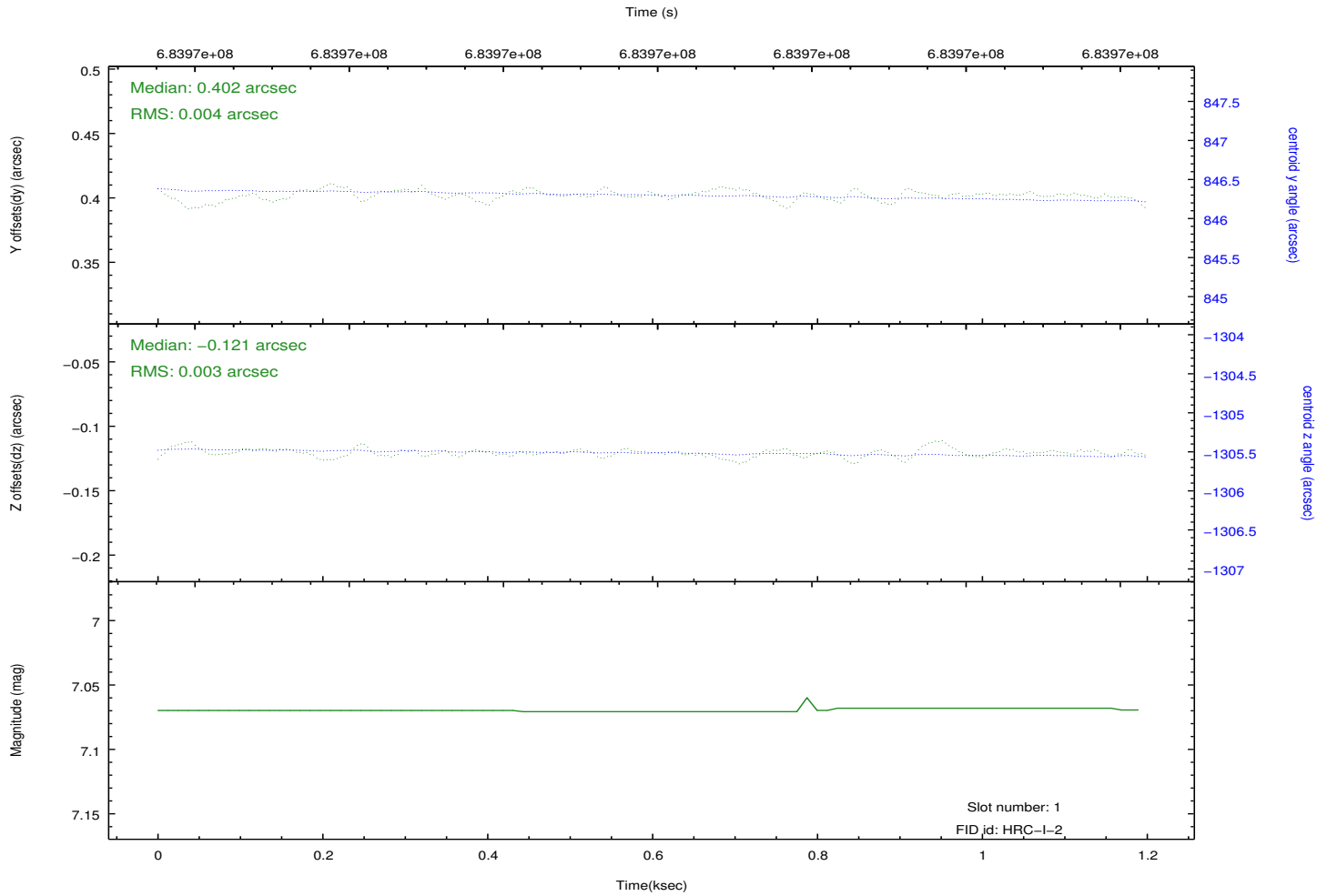
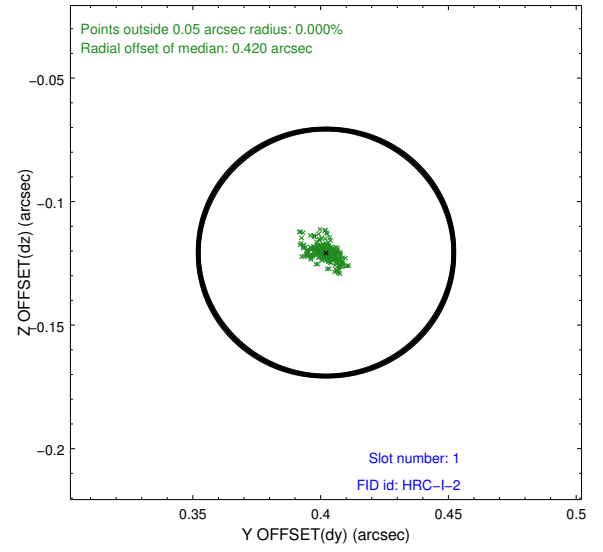
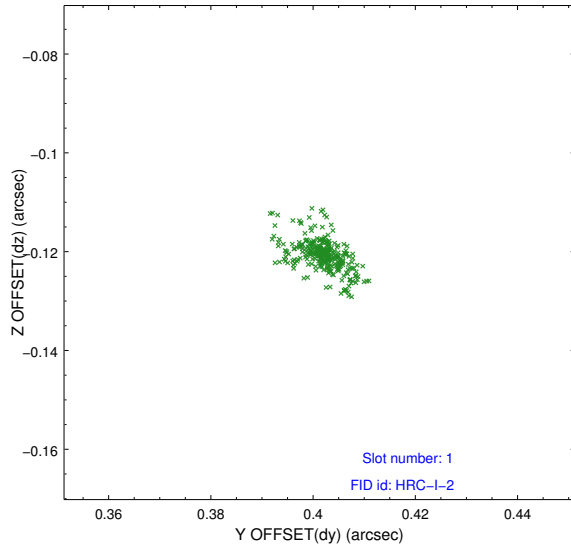


2.5 FID Slots

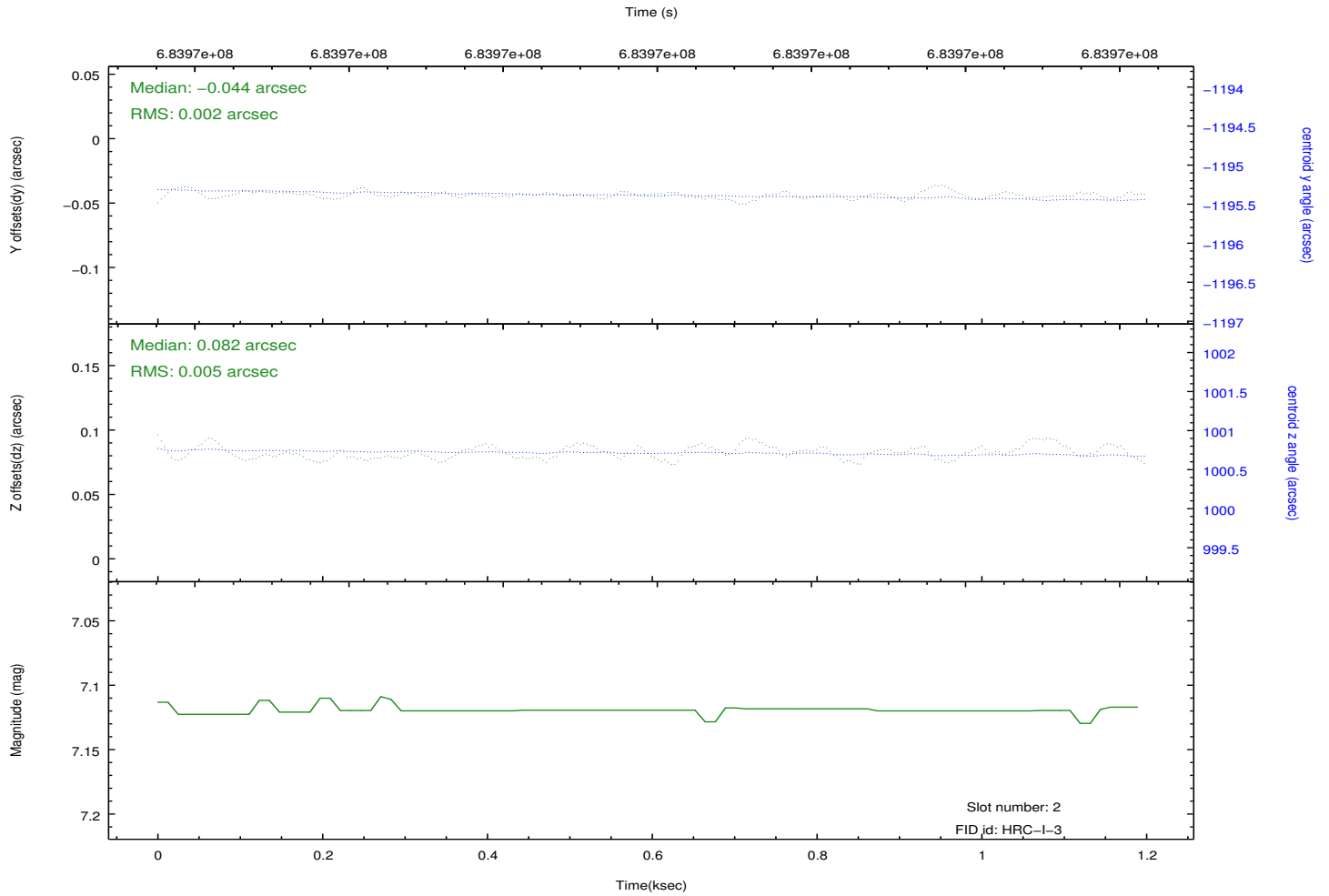
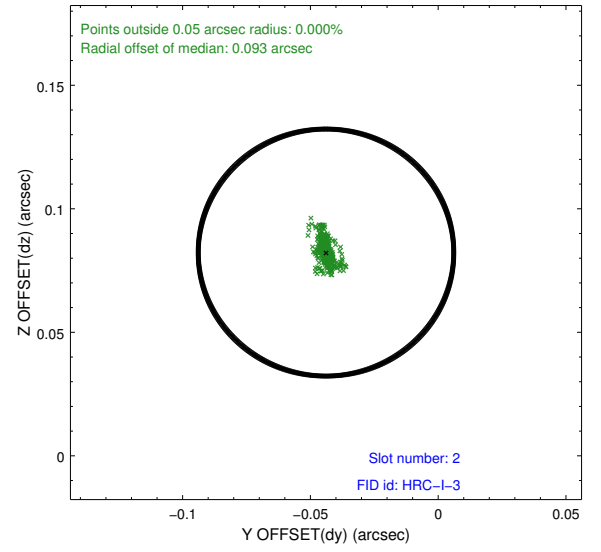
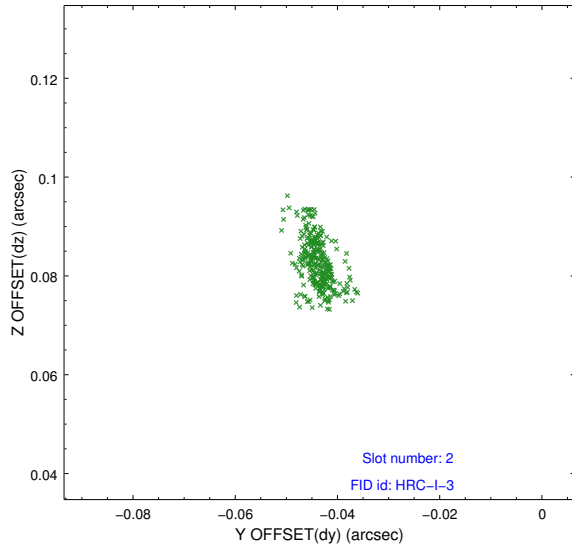
2.5.1 Slot 0



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)	2019.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1964313220978

A.2 Comments