

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21742 - L2 Version 1
Chandra X-Ray Center

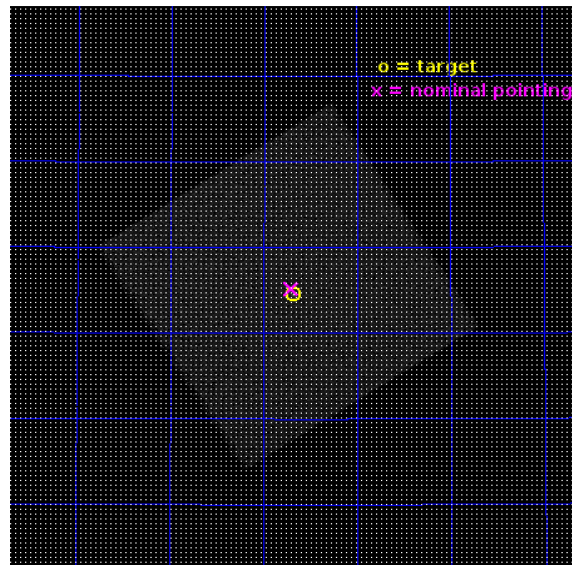
L2 Processing Date : Sep 4 2019

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1 Front

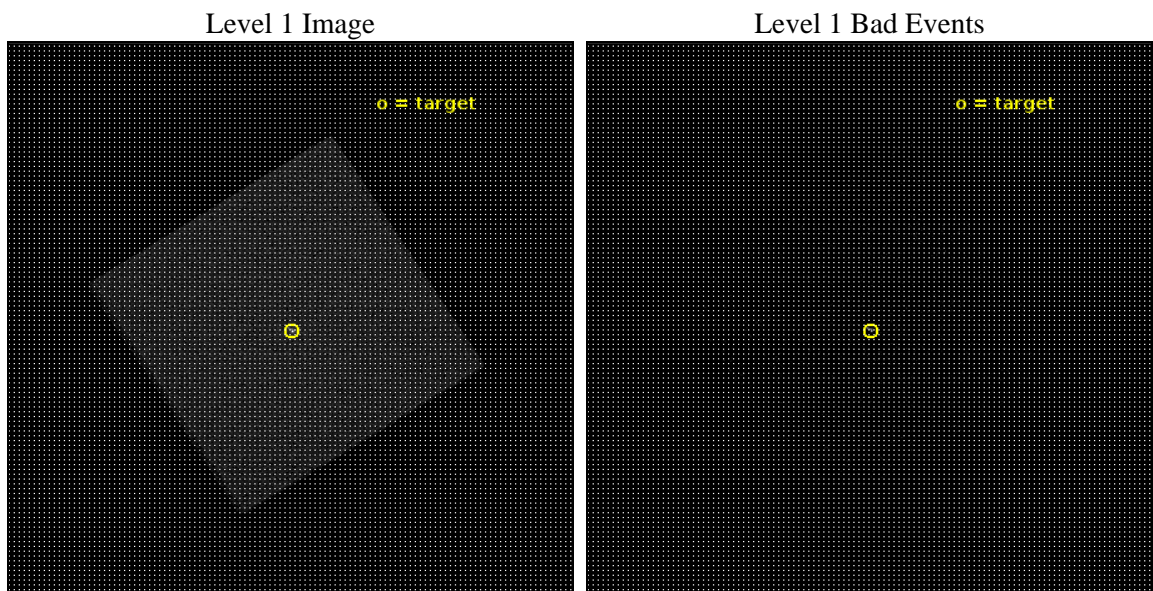
seq_num	291428	Sequence number
obs_id	21742	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.17586925516	Nominal RA [deg]
dec_nom	45.753073170235	Nominal Dec [deg]
roll_nom	192.51215895691	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.281321764	[s]
livetime	1170.2742431758	Ontime multiplied by DTCOR
l2events	164102	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	1190.281321764	[s]
caldbver	4.8.4	 	l1events	249290	Number of level 1 events
date	2019-09-04T14:30:20	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

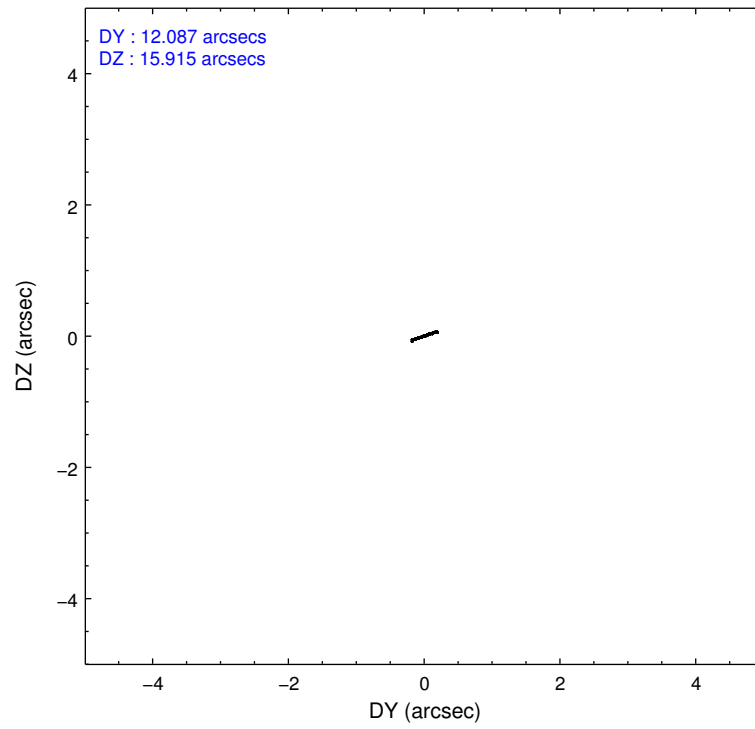
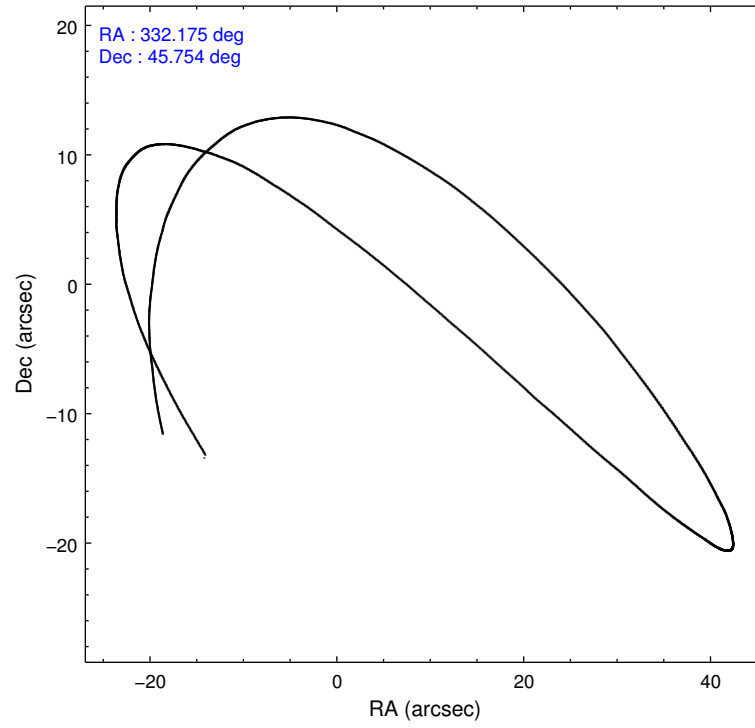
Level 1 Events

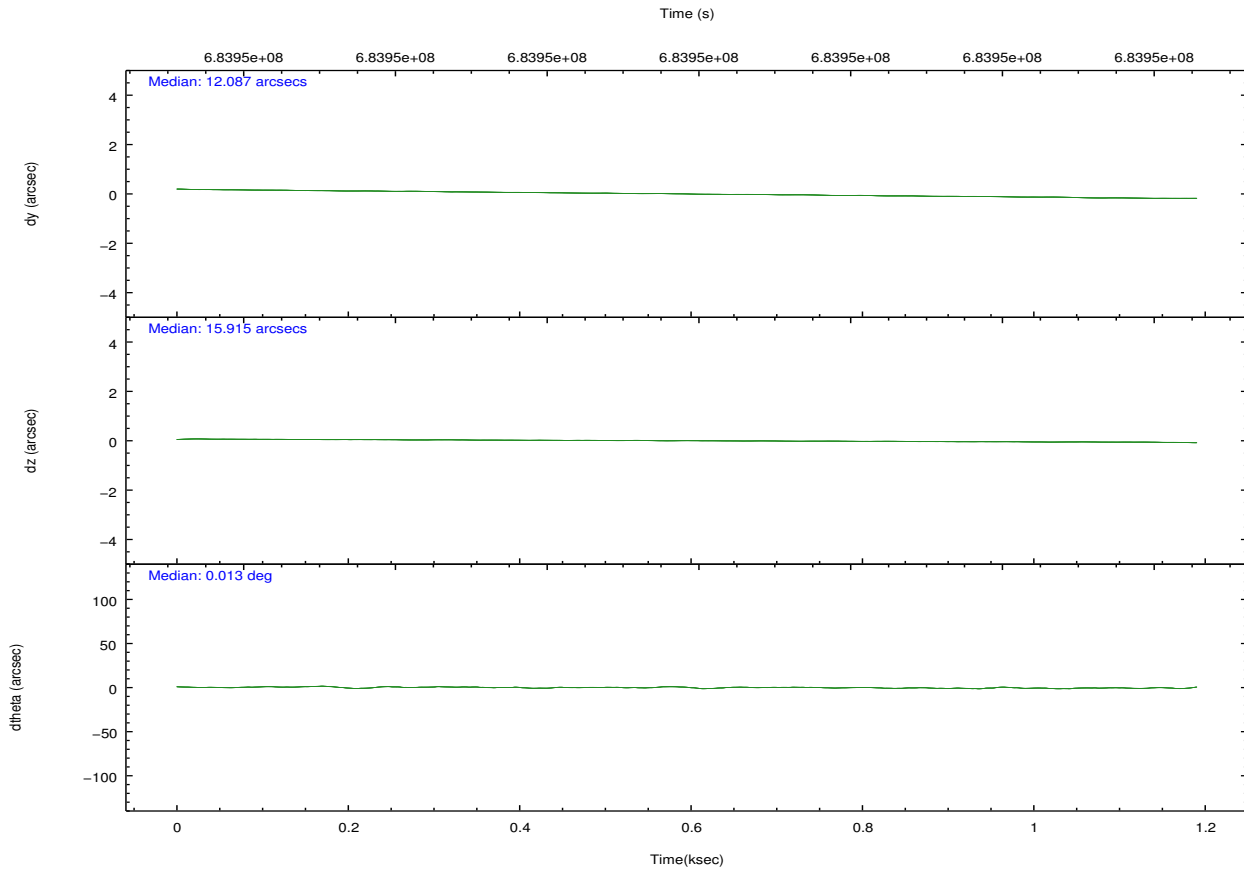
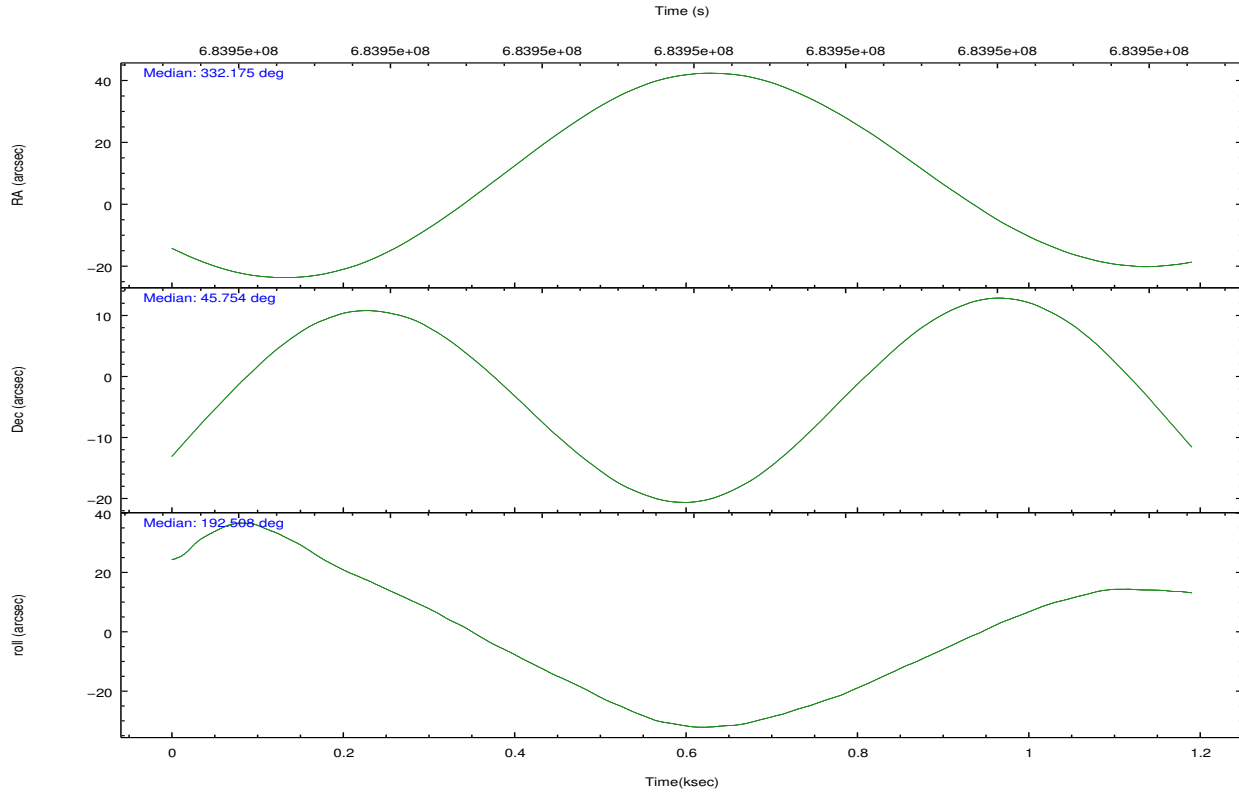
	segment 0
level 1 events	249290
rejected events	39629
rejected %	15%

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	332.205117	332.1758692551628			
[deg] Pointing Dec	45.771026	45.75307317023496			
[deg] Pointing Roll	192.586623	192.5121589569136			
[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)	683949583.184000	683949164.69848			
Observation start date	2019-09-04T01:58:34	2019-09-04T01:52:44			
[s] Observation end time (MET)	683950583.184000	683950717.57357			
Observation end date	2019-09-04T02:15:14	2019-09-04T02:18:37			

2.3 Aspect



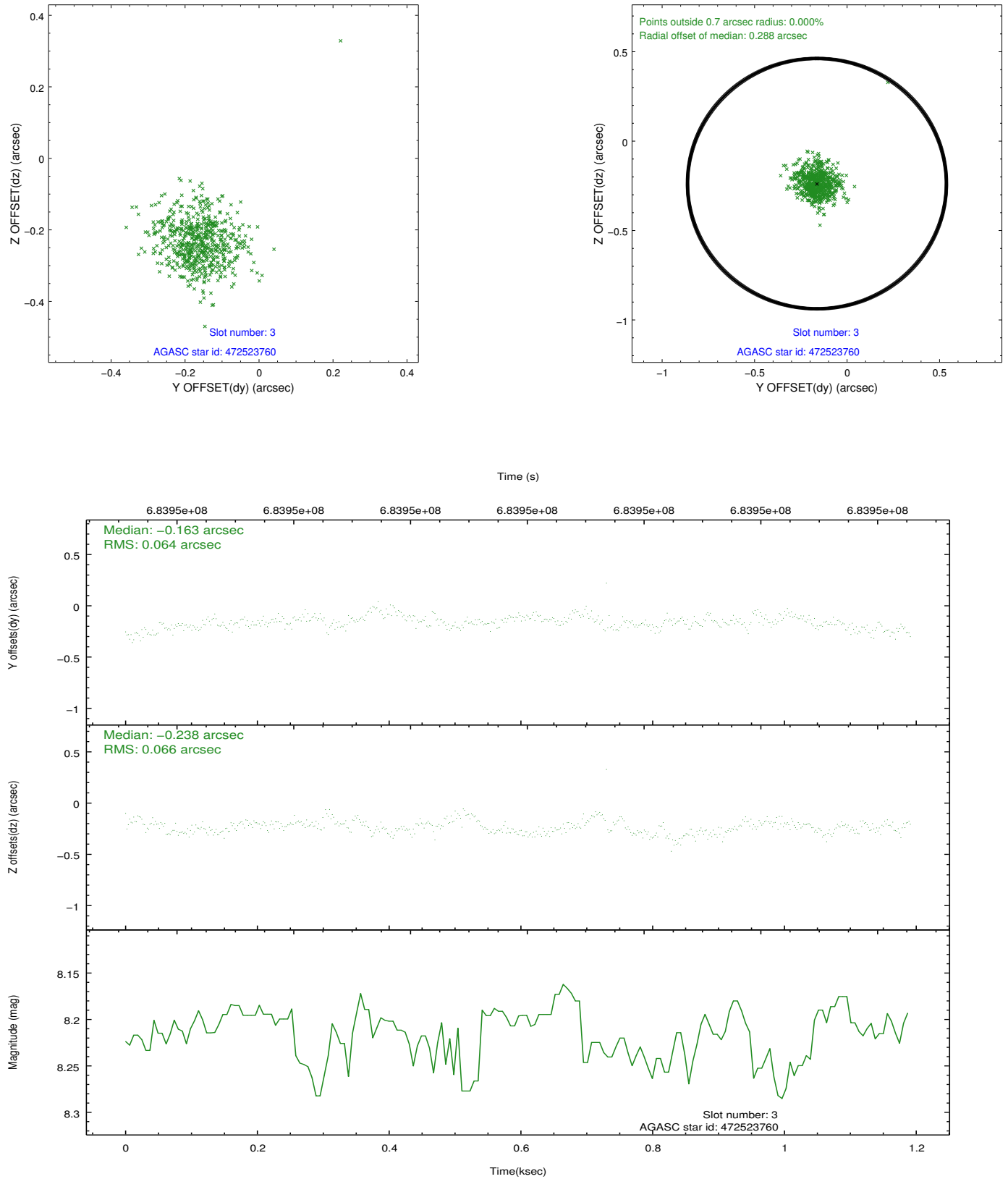


Slot Statistics

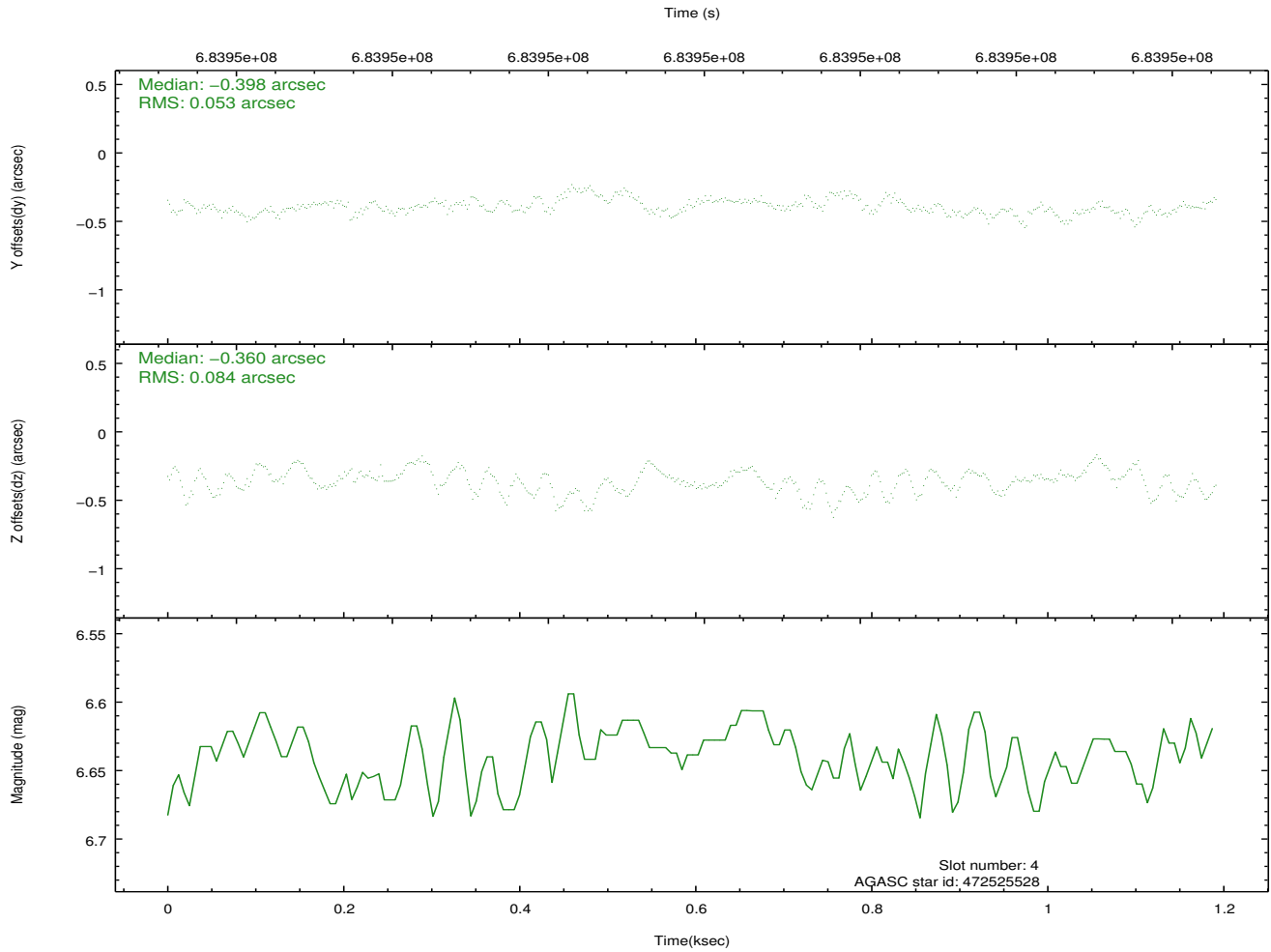
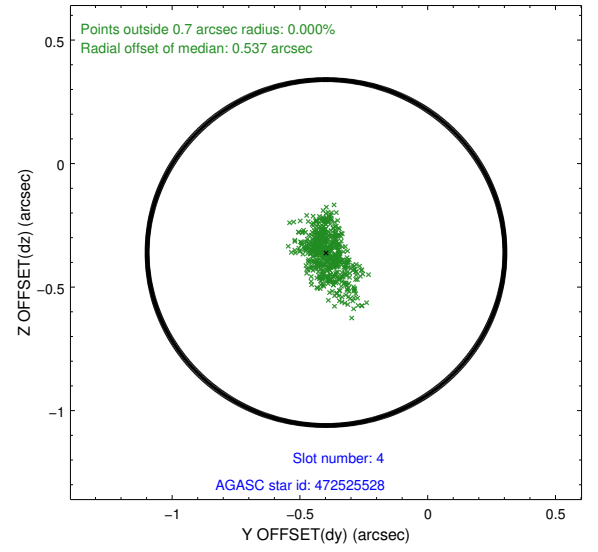
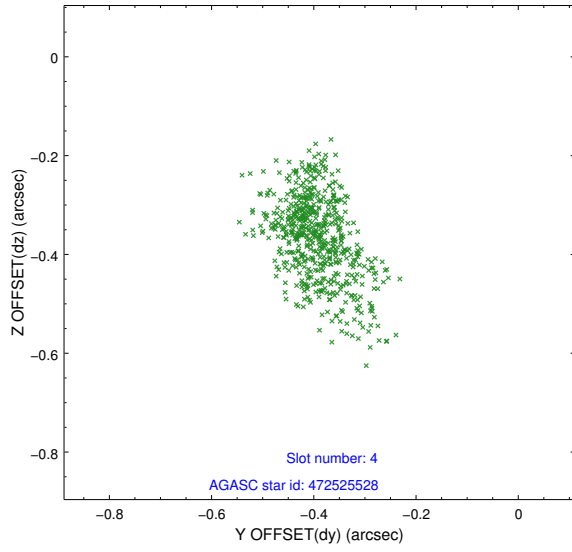
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.04	291	1.000	-0.218	-0.185	0.005	0.010	0.000000	0.000000	-768.13	-1304
1	FID		HRC-I-3	7.11	291	1.000	-0.275	-0.139	0.007	0.013	0.000000	0.000000	-1199.13	995
2	FID		HRC-I-4	7.04	291	1.000	0.607	0.234	0.006	0.010	0.000000	0.000000	1271.55	1001
3	GUIDE	used	472523760	8.21	582	1.000	-0.163	-0.238	0.095	0.154	331.645363	45.403260	1666.86	982
4	GUIDE	used	472525528	6.64	582	1.000	-0.398	-0.360	0.102	0.182	331.551102	45.248694	2026.63	1472
5	GUIDE	used	472527720	6.99	582	1.000	-0.348	-0.402	0.099	0.156	331.460205	45.112509	2363.13	1899
6	GUIDE	used	472535576	7.84	582	1.000	0.211	0.374	0.129	0.220	331.438373	46.291802	1453.99	-2246
7	GUIDE	used	472665256	8.96	581	1.000	0.696	0.630	0.141	0.235	332.808125	46.195041	-1798.53	-1167

2.4 Star Slots

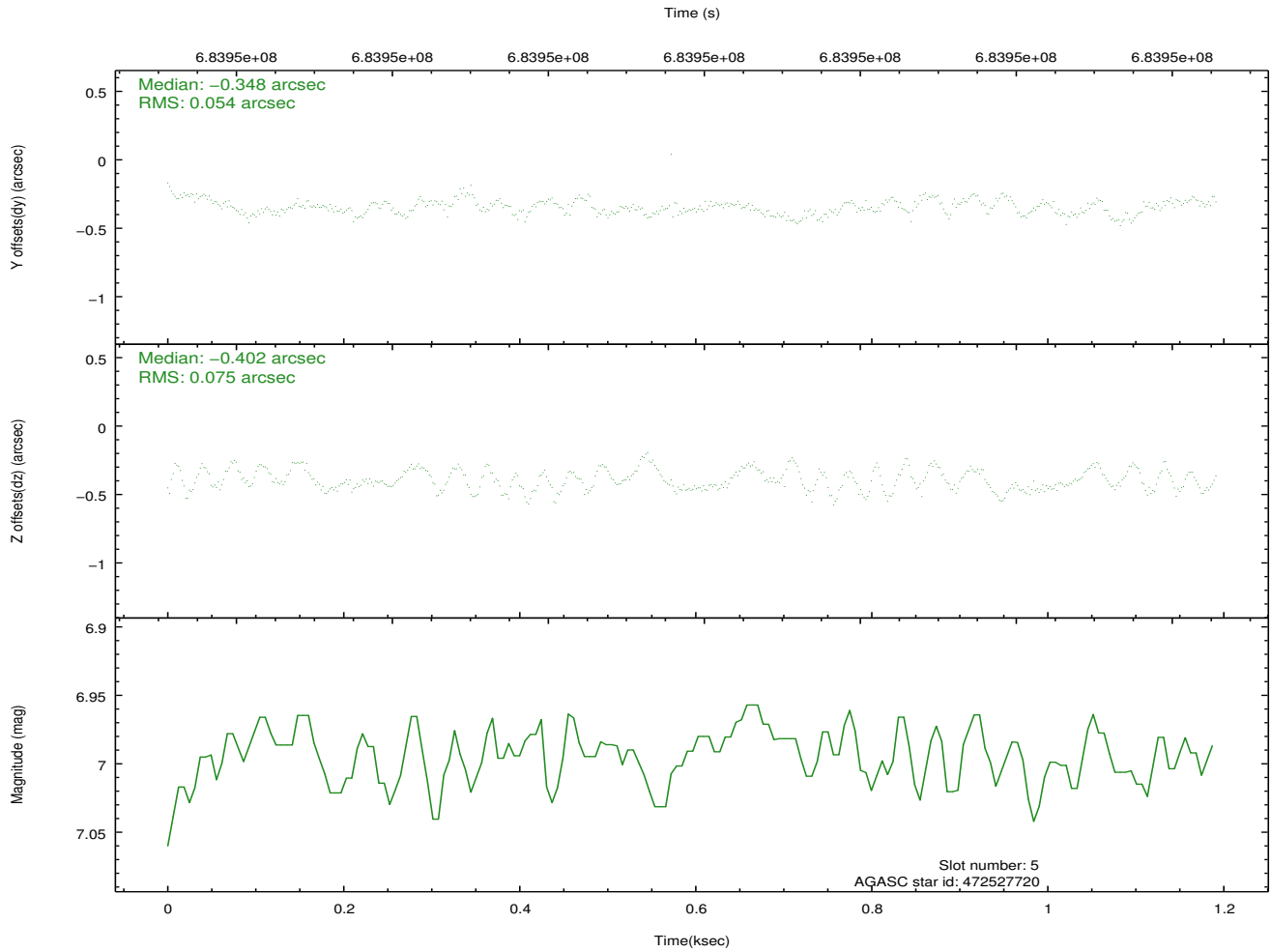
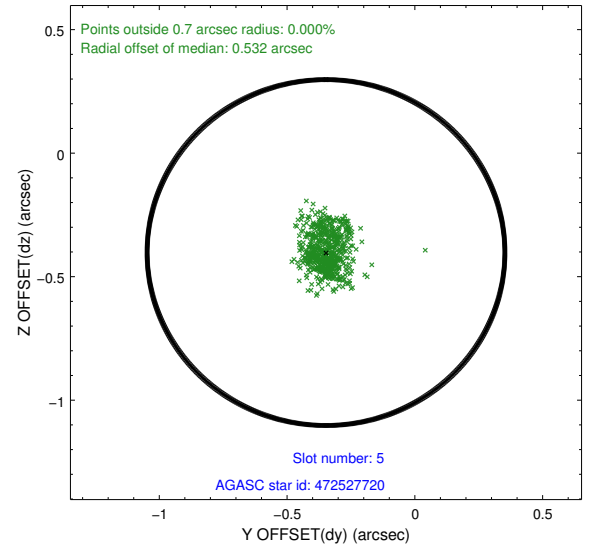
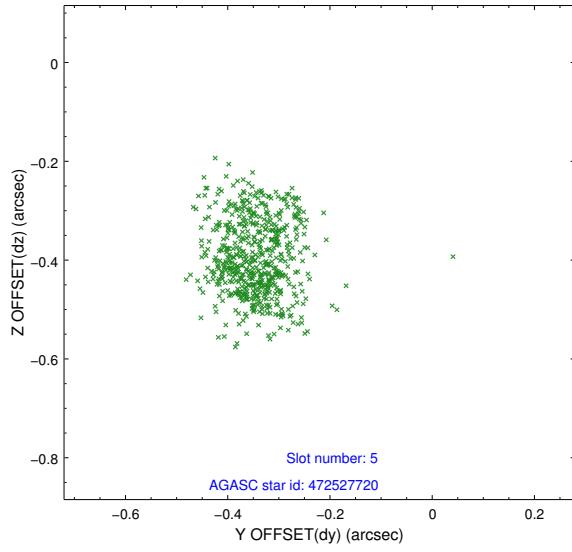
2.4.1 Slot 3



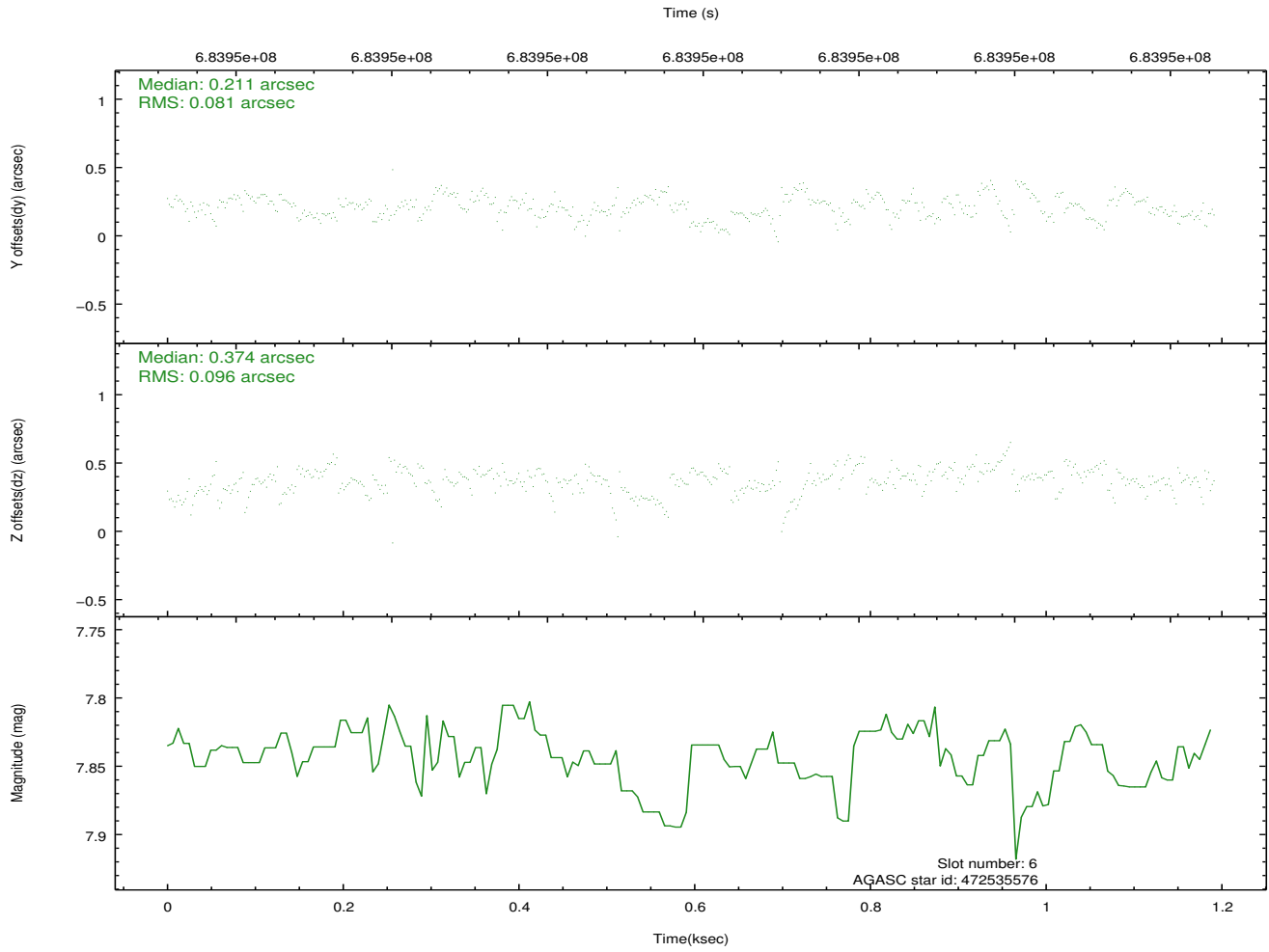
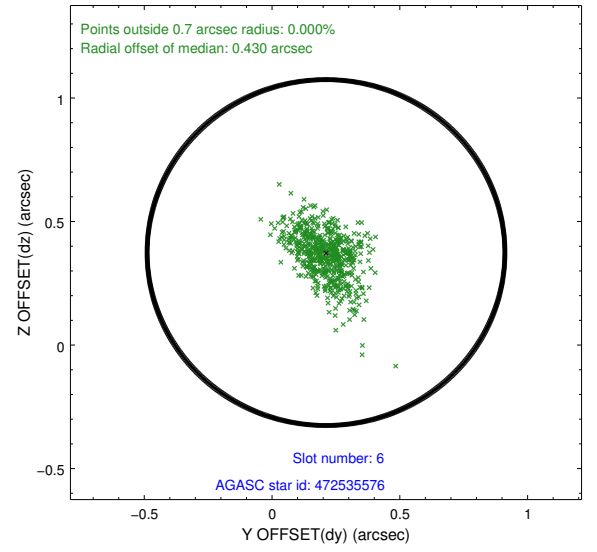
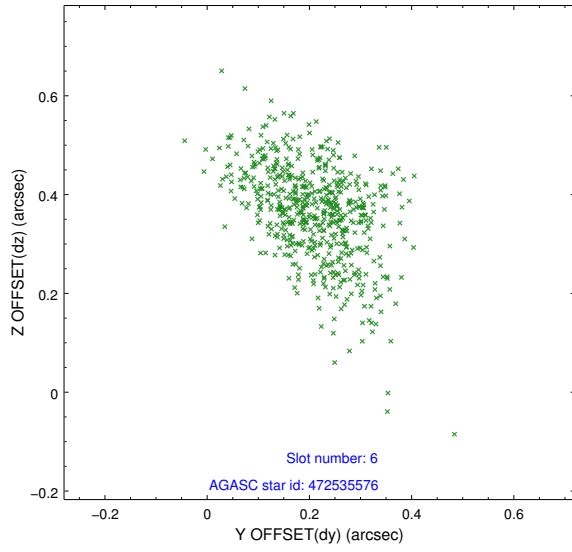
2.4.2 Slot 4



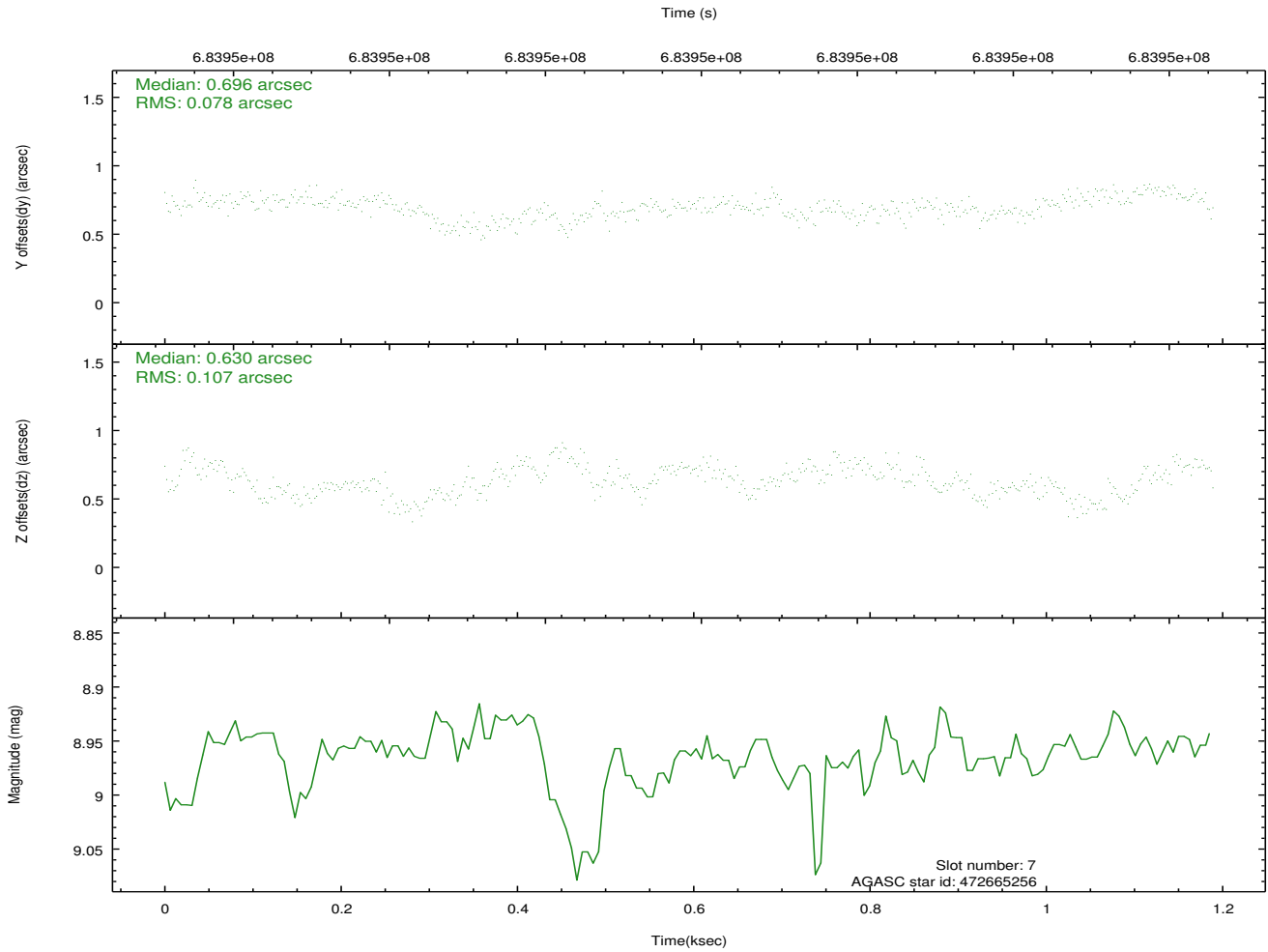
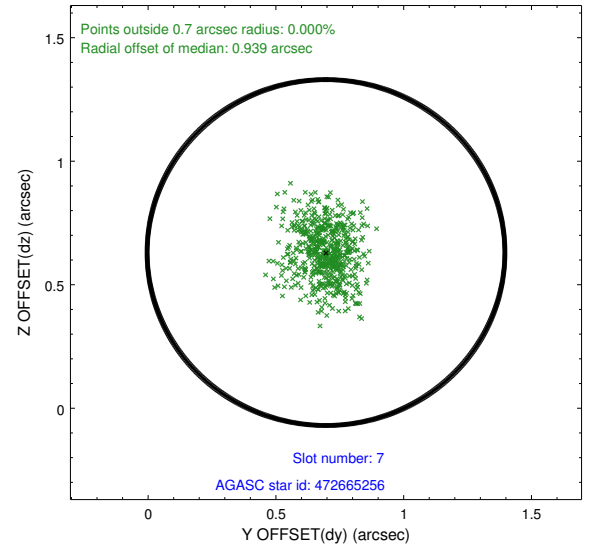
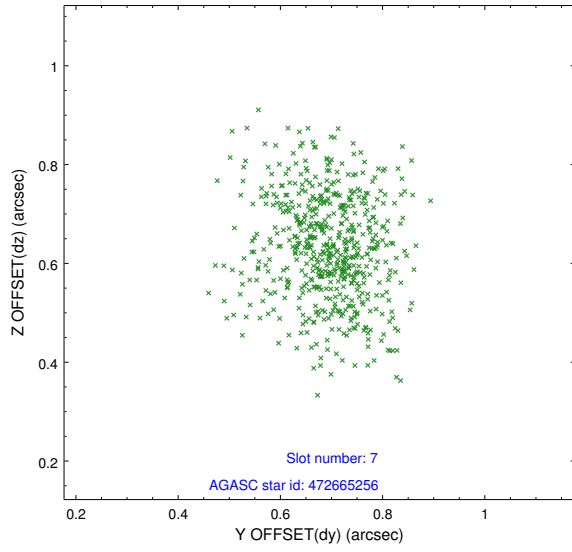
2.4.3 Slot 5



2.4.4 Slot 6

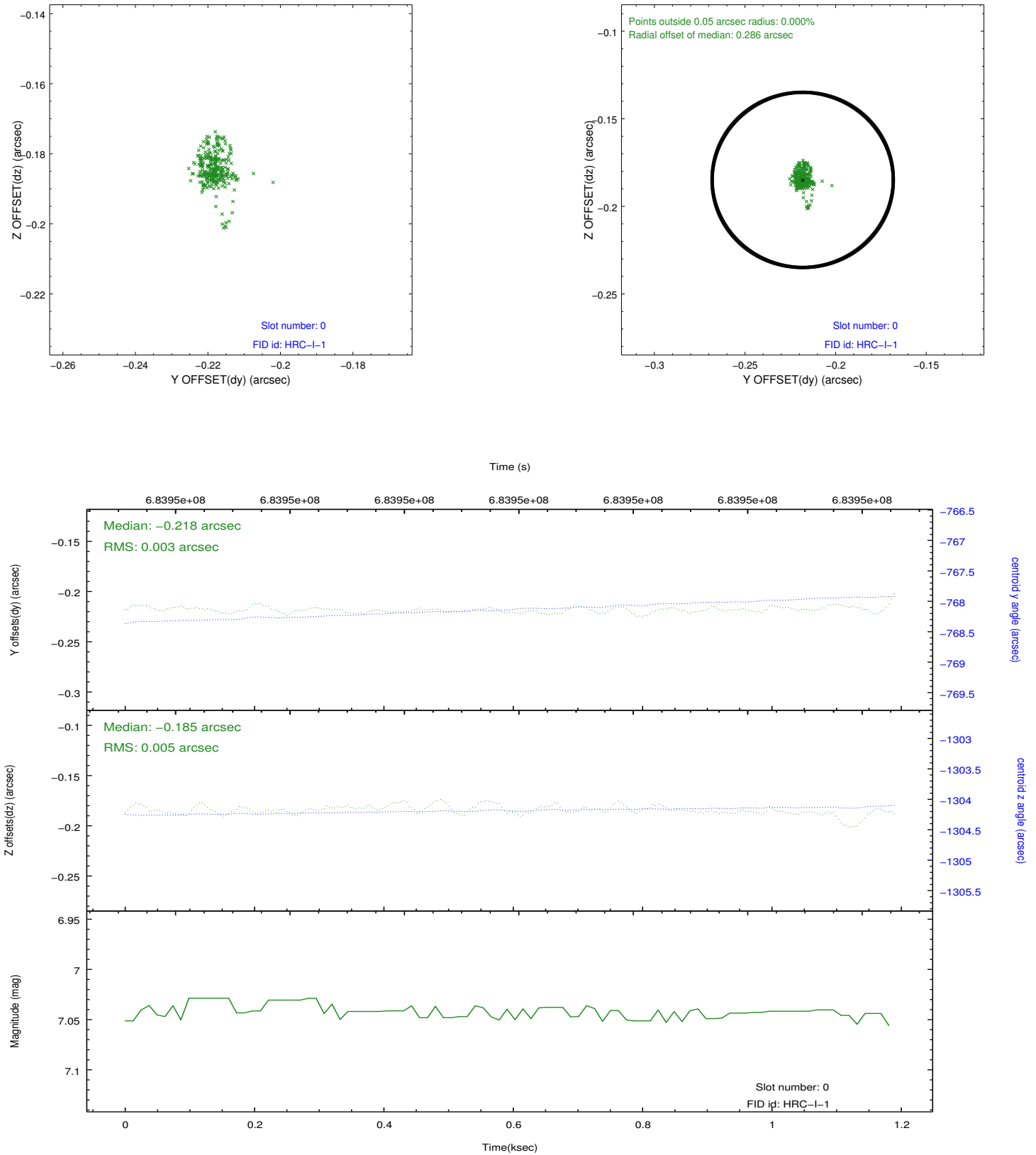


2.4.5 Slot 7

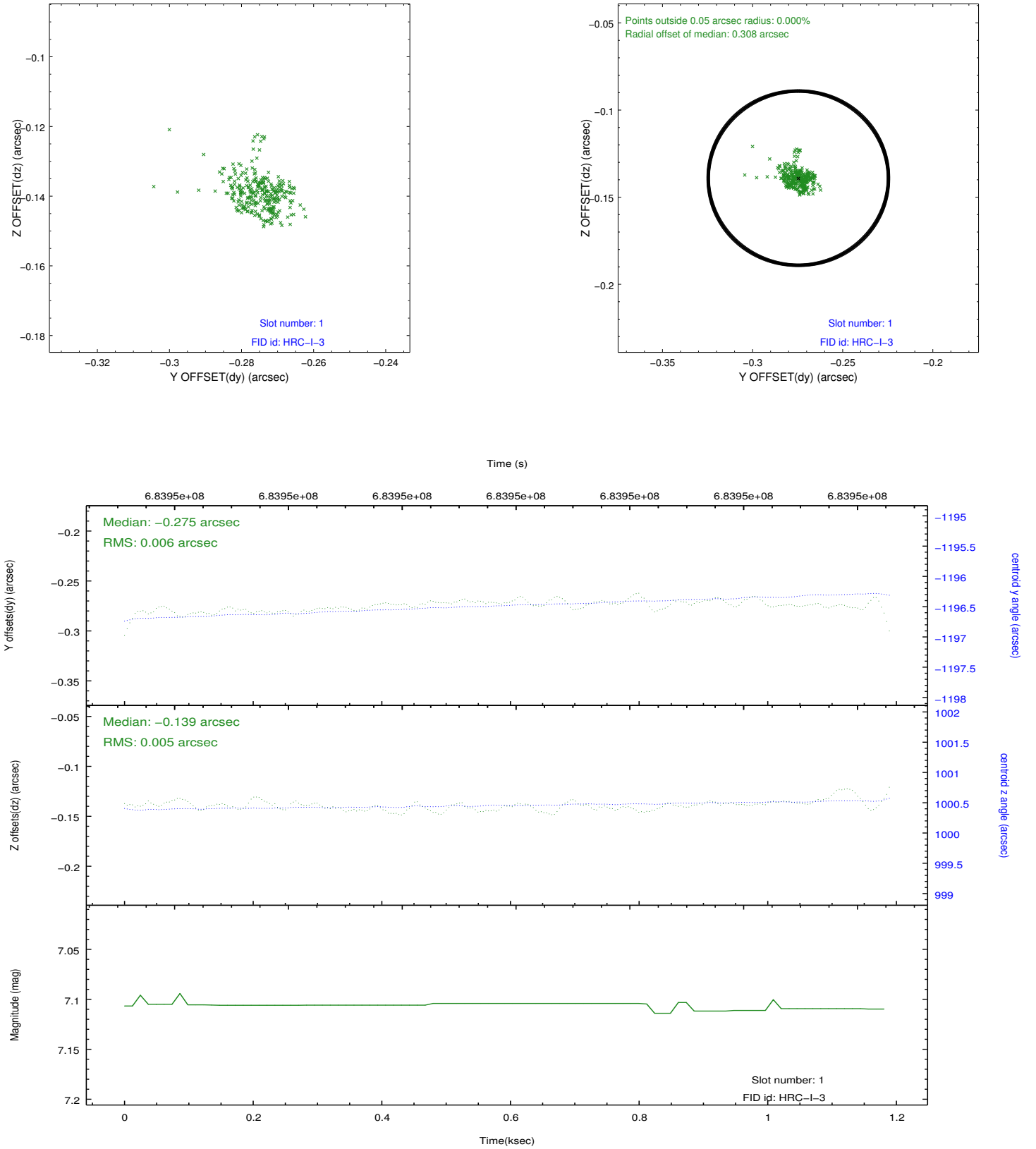


2.5 FID Slots

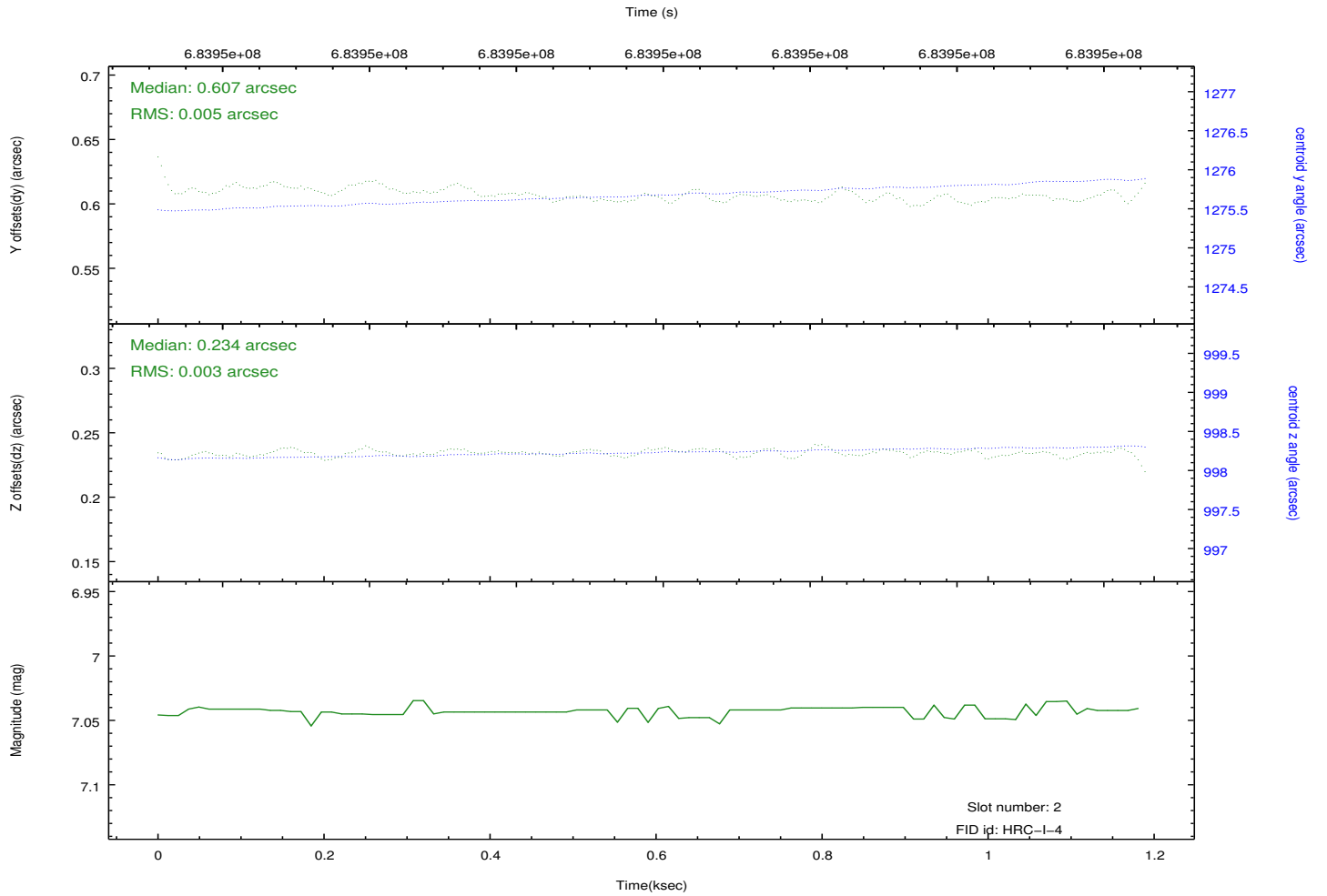
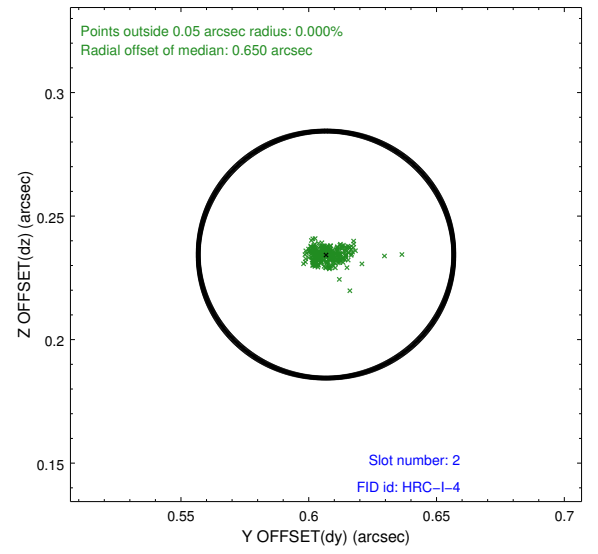
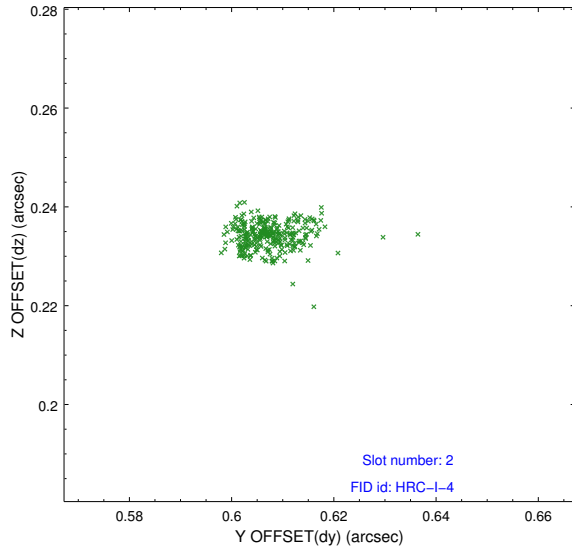
2.5.1 Slot 0



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	1.190281321764

A.2 Comments