

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21752 - L2 Version 1
Chandra X-Ray Center

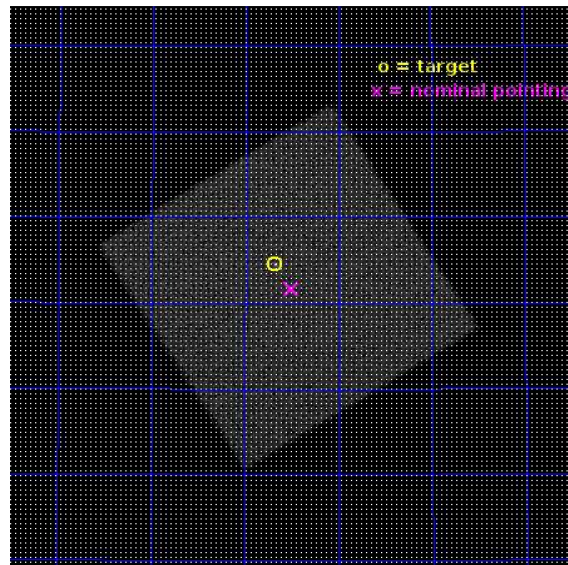
L2 Processing Date : Sep 4 2019

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1 Front

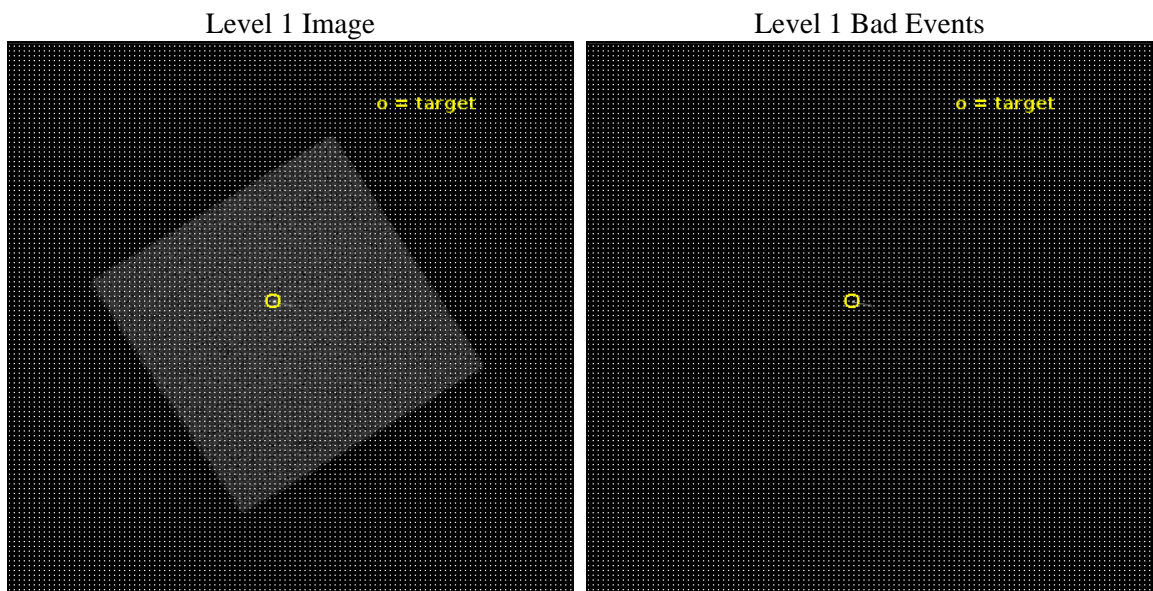
seq_num	291438	Sequence number
obs_id	21752	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.12595879395	Nominal RA [deg]
dec_nom	45.694880516488	Nominal Dec [deg]
roll_nom	192.79227487811	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1187.9750715494	[s]
livetime	1171.0315588572	Ontime multiplied by DTCOR
l2events	150102	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	1187.9750715494	[s]
caldsver	4.8.4	 	l1events	248132	Number of level 1 events
date	2019-09-04T15:05:02	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

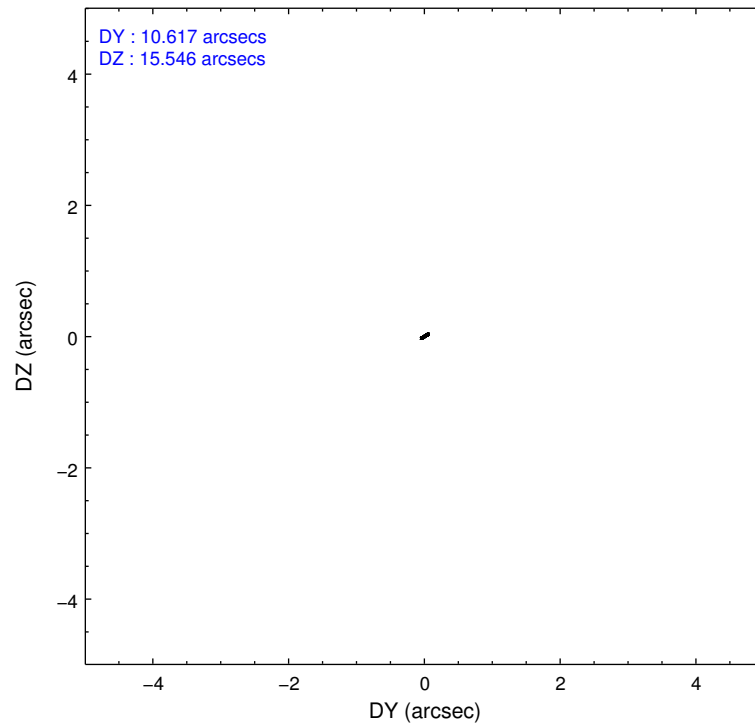
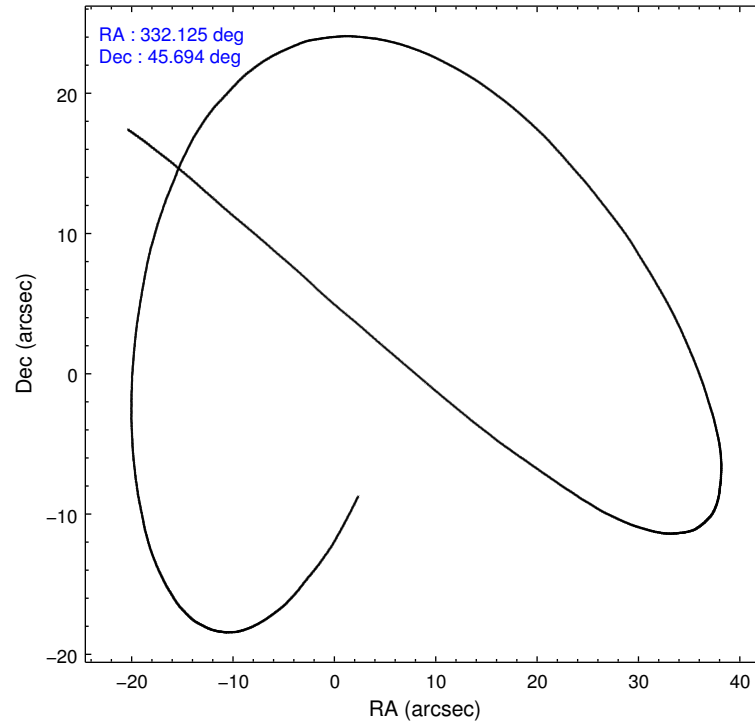
	segment 0
level 1 events	248132
rejected events	52793
rejected %	21%

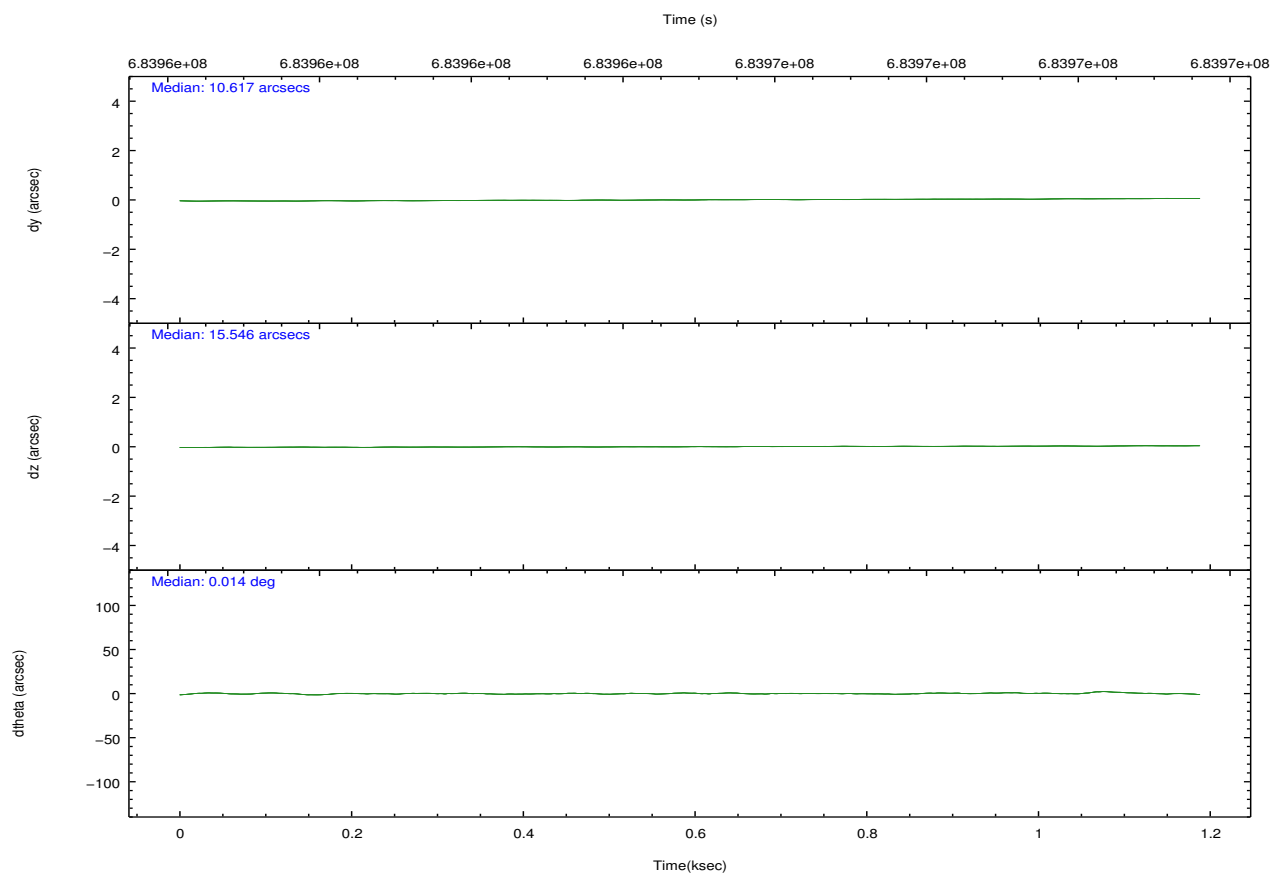
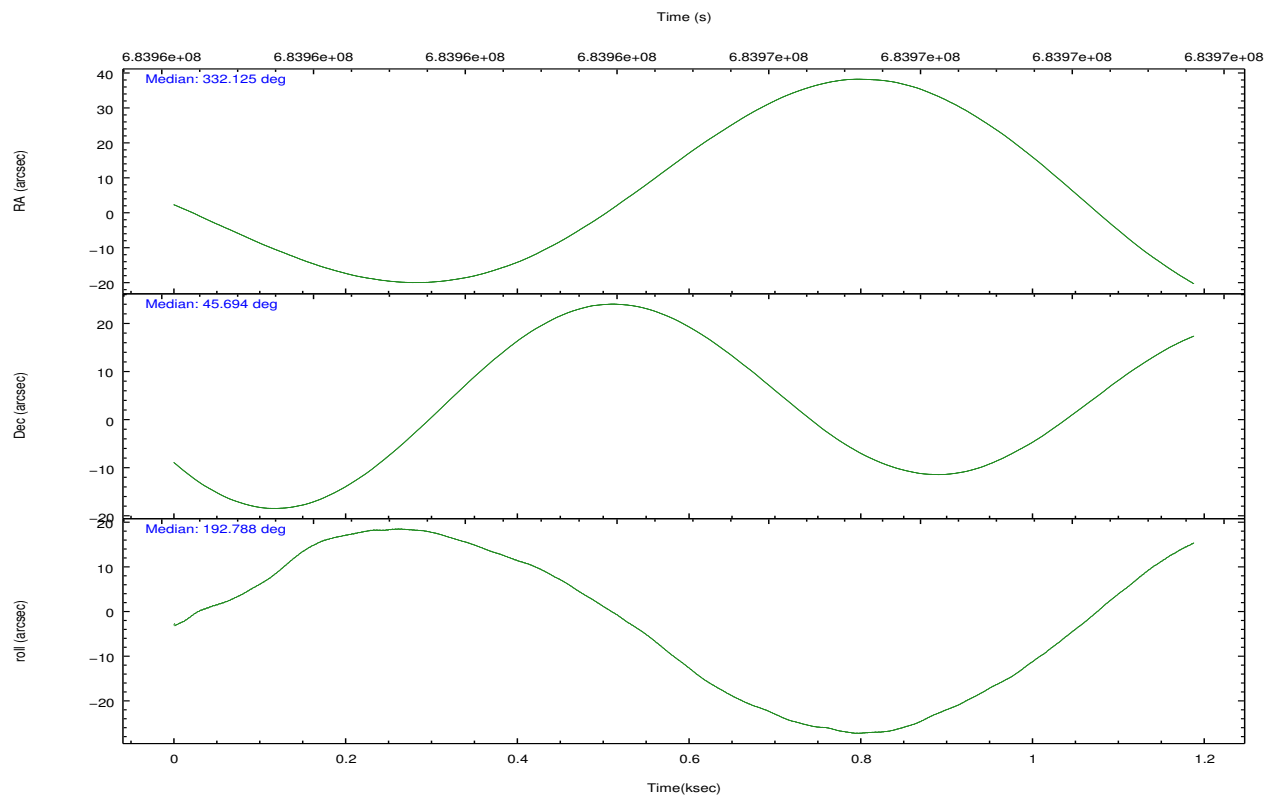
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.154137	332.1259587939491
[deg] Pointing Dec	45.714716	45.69488051648828
[deg] Pointing Roll	192.867582	192.7922748781125
[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)	683964683.184000	683964307.02439
Observation start date	2019-09-04T06:10:14	2019-09-04T06:05:07
[s] Observation end time (MET)	683965683.184000	683965817.36198
Observation end date	2019-09-04T06:26:54	2019-09-04T06:30:17

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



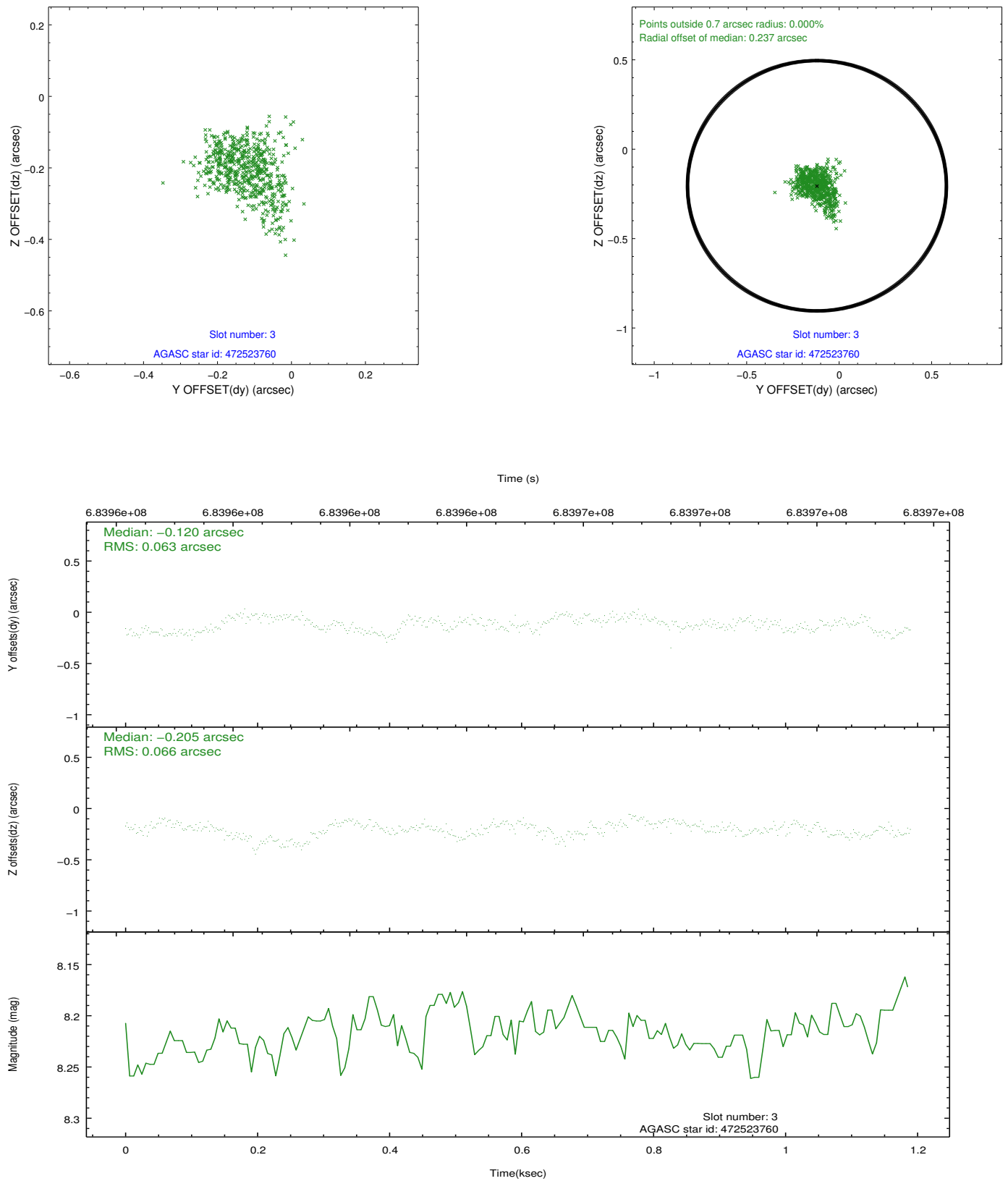


Slot Statistics

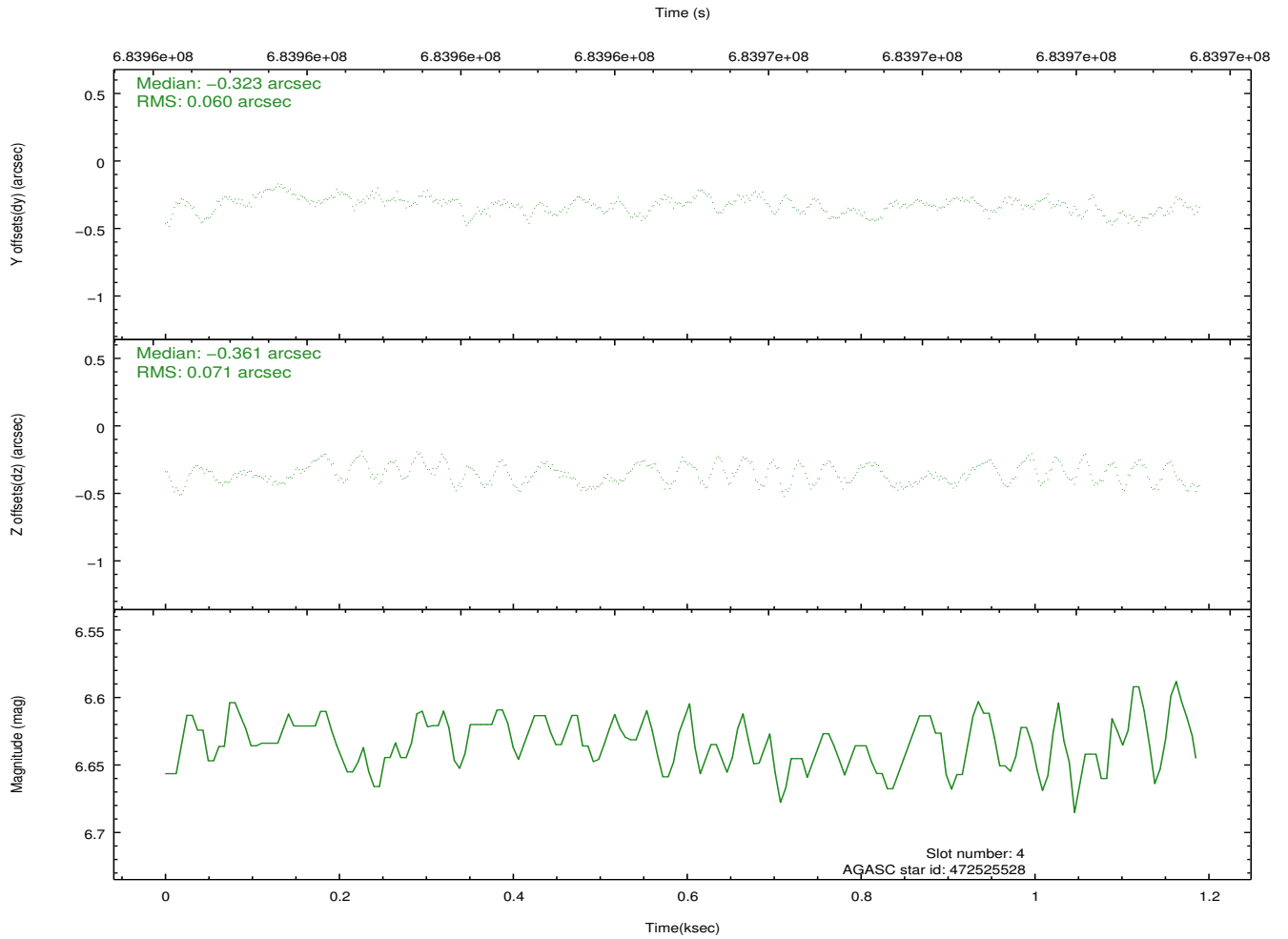
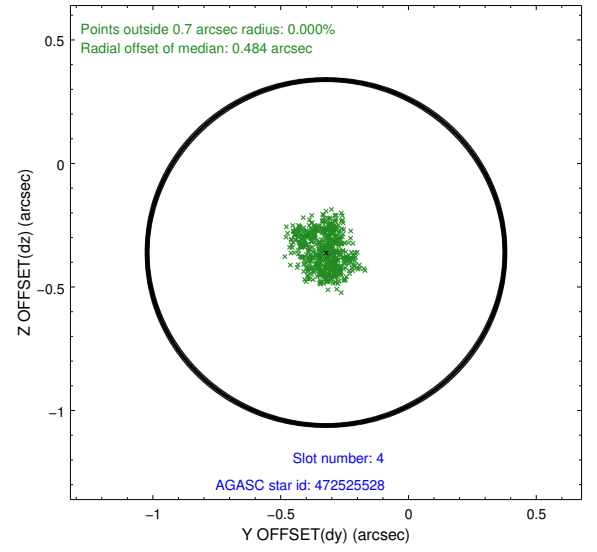
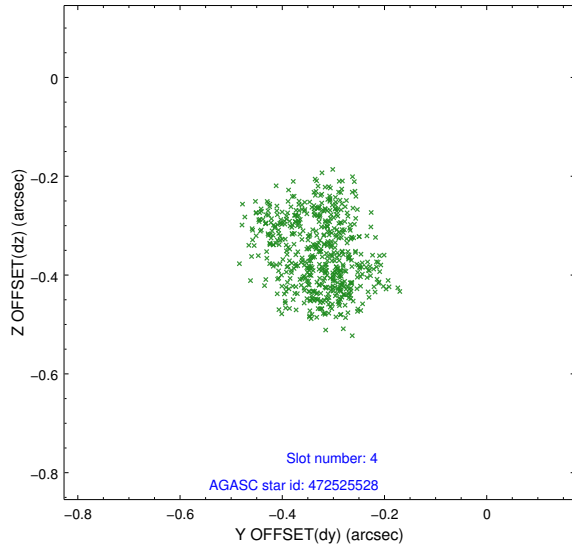
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.05	290	1.000	-0.383	-0.259	0.005	0.009	0.000000	0.000000	-766.81	-1303
1	FID		HRC-I-2	7.07	290	1.000	0.254	-0.069	0.006	0.012	0.000000	0.000000	843.81	-1309
2	FID		HRC-I-4	7.05	290	1.000	0.245	0.235	0.005	0.009	0.000000	0.000000	1279.74	994
3	GUIDE	used	472523760	8.22	581	1.000	-0.120	-0.205	0.096	0.159	331.645363	45.403260	1501.87	799
4	GUIDE	used	472525528	6.63	581	1.000	-0.323	-0.361	0.102	0.147	331.551102	45.248694	1863.44	1288
5	GUIDE	used	472527720	6.99	581	1.000	-0.404	-0.381	0.112	0.176	331.460205	45.112509	2201.63	1712
6	GUIDE	used	472535576	7.83	581	1.000	0.214	0.342	0.100	0.178	331.438373	46.291802	1274.96	-2429
7	GUIDE	used	472665256	8.96	580	1.000	0.644	0.606	0.119	0.191	332.808125	46.195041	-1973.03	-1335

2.4 Star Slots

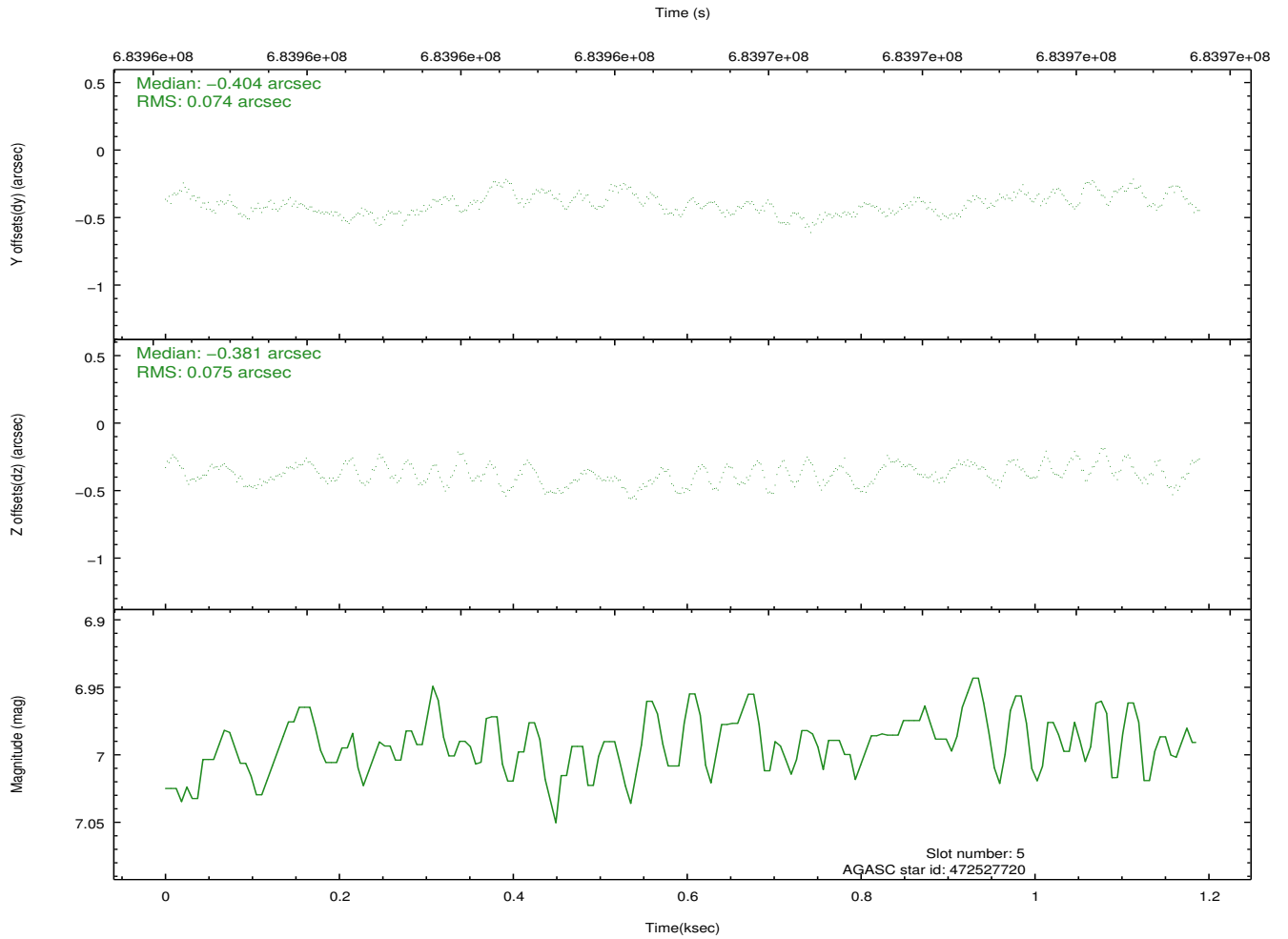
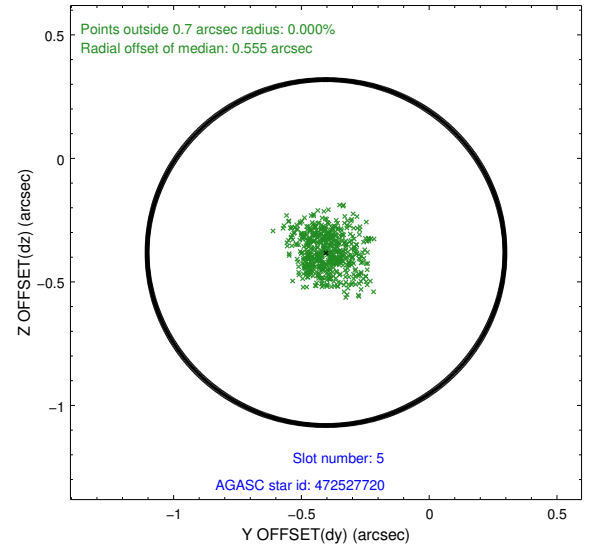
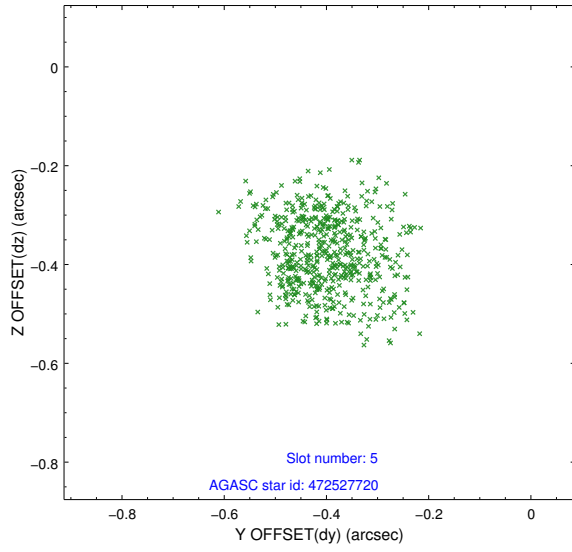
2.4.1 Slot 3



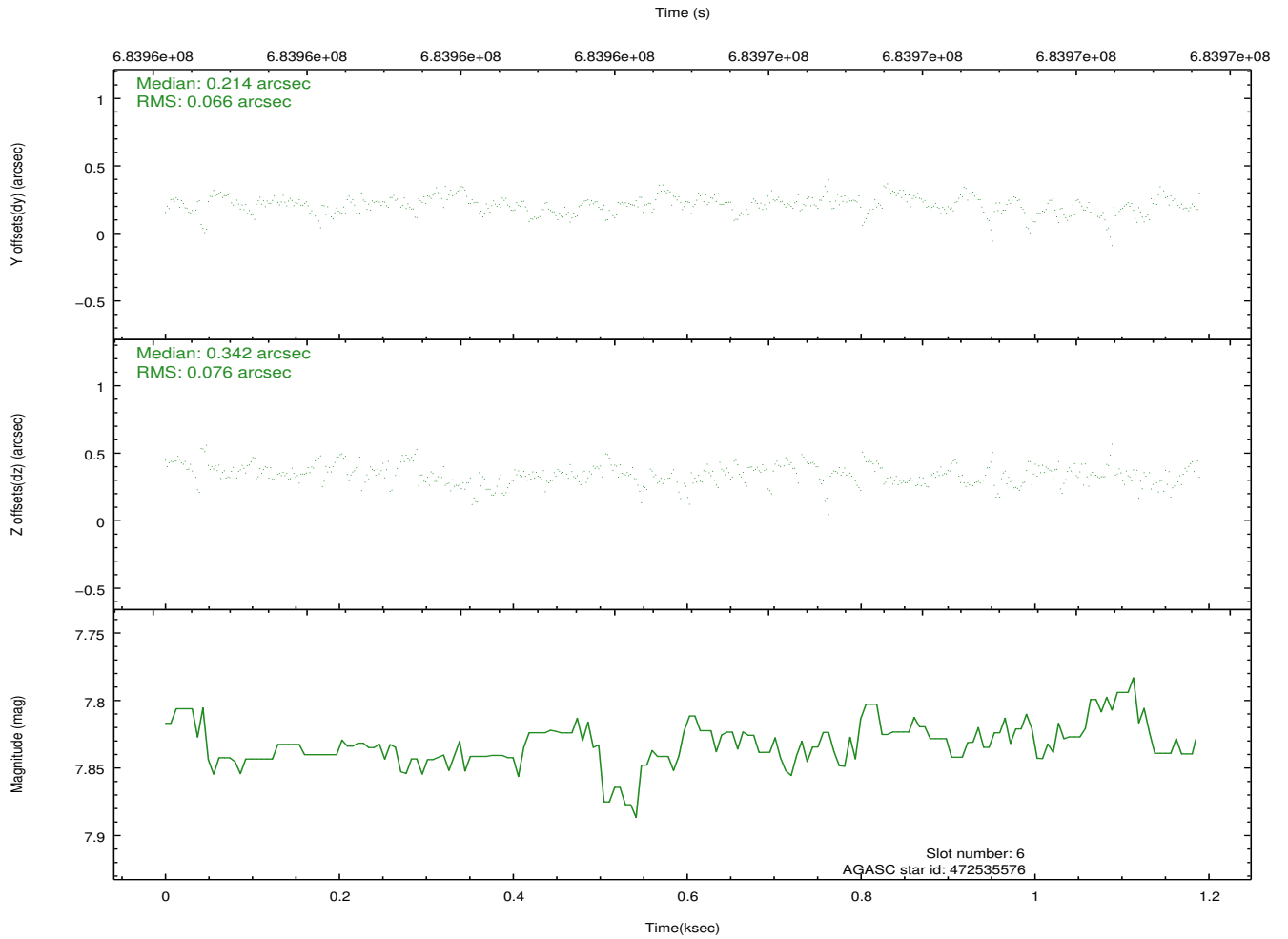
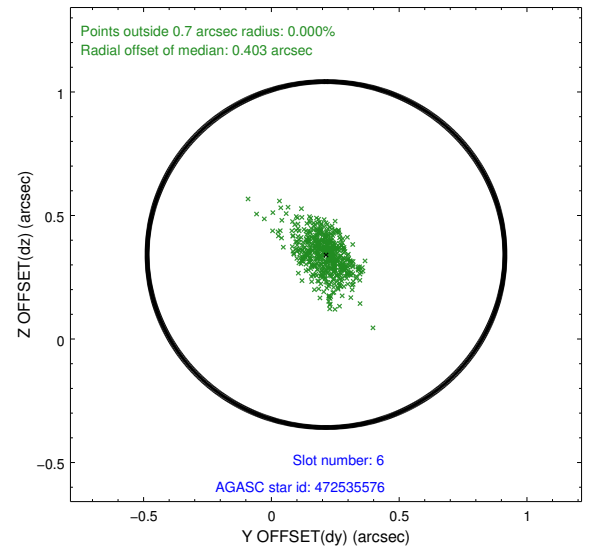
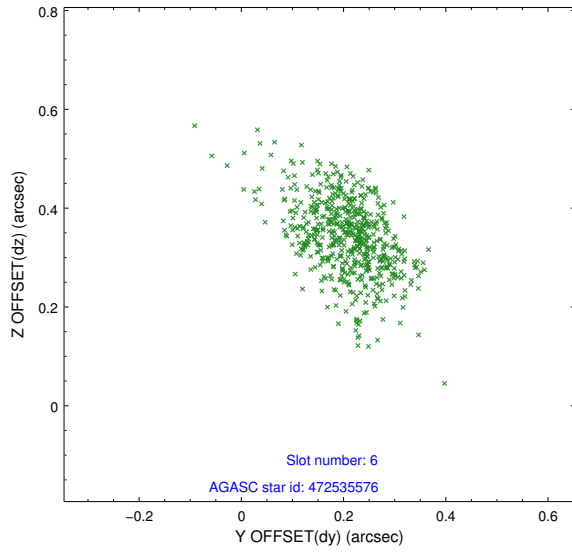
2.4.2 Slot 4



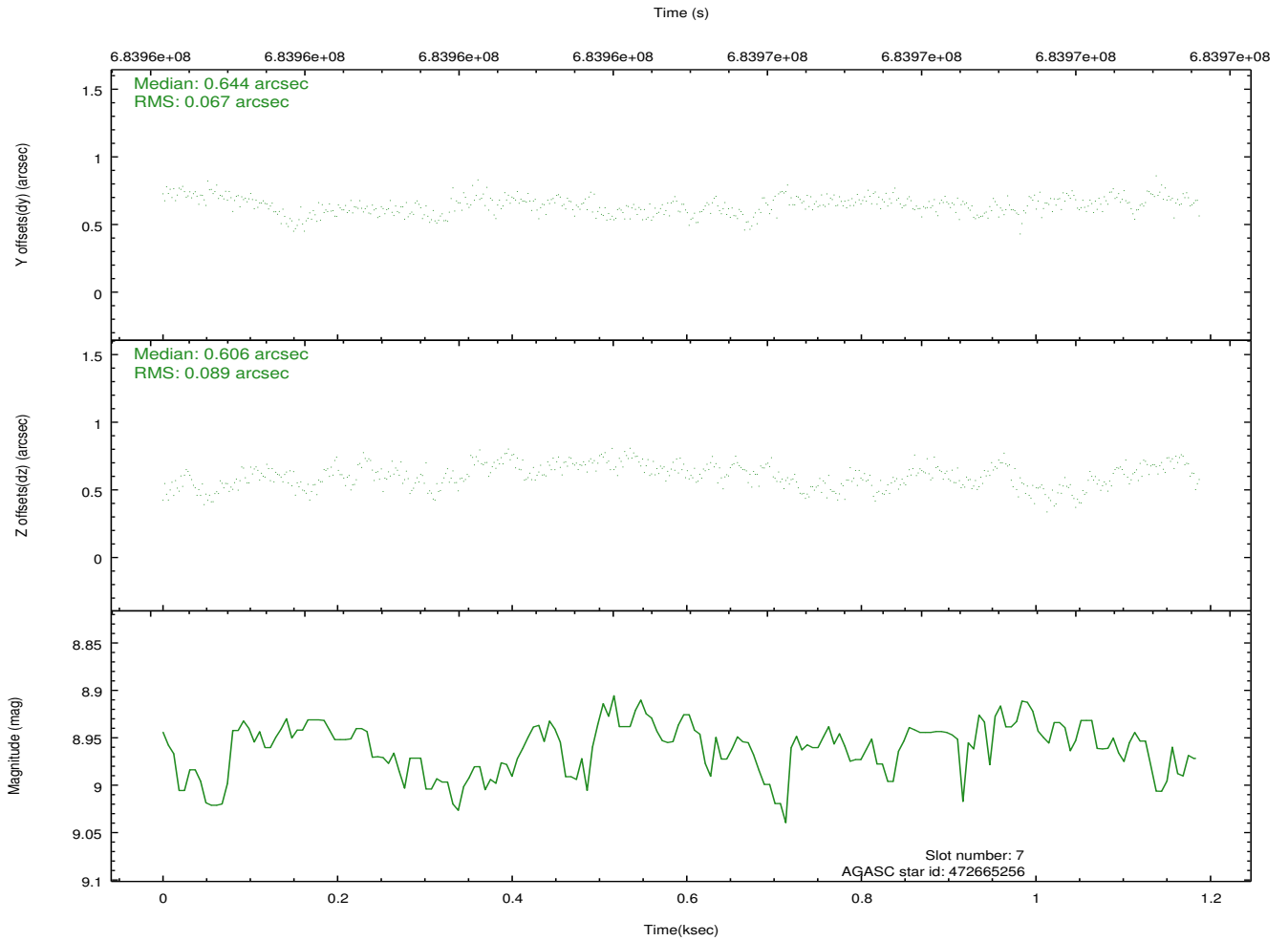
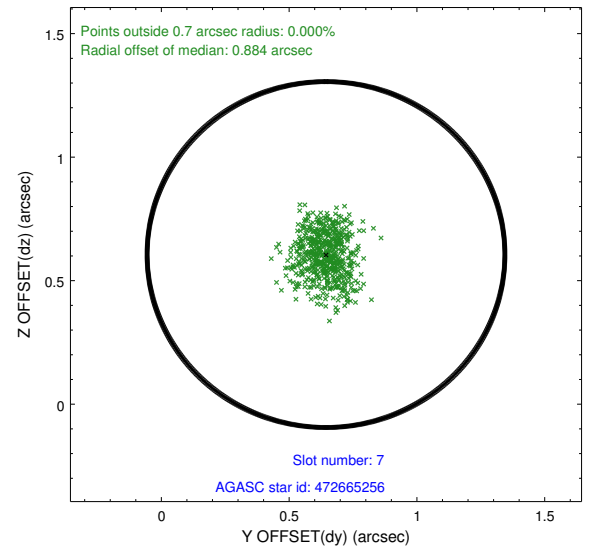
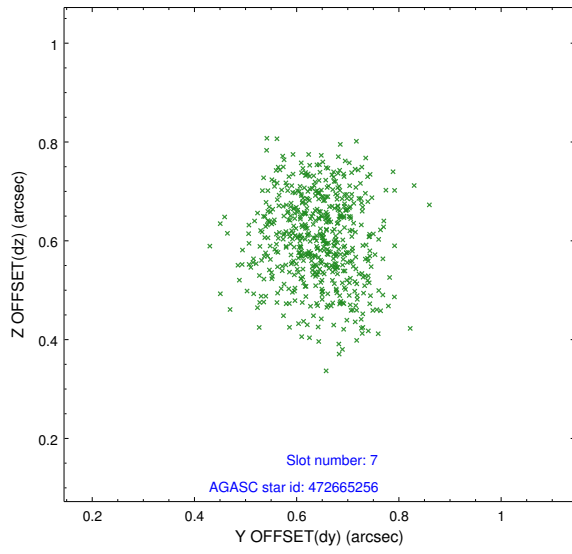
2.4.3 Slot 5



2.4.4 Slot 6

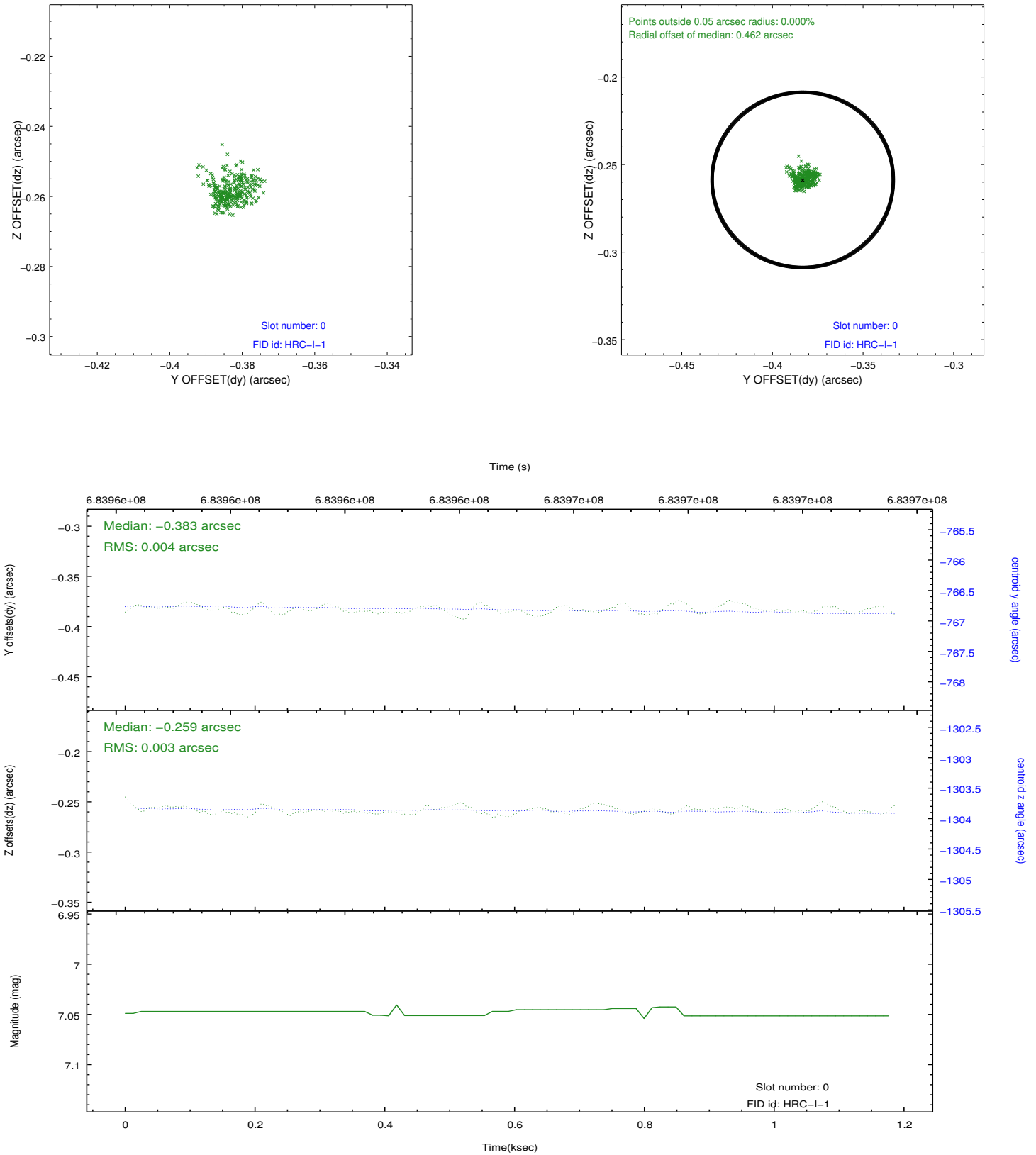


2.4.5 Slot 7

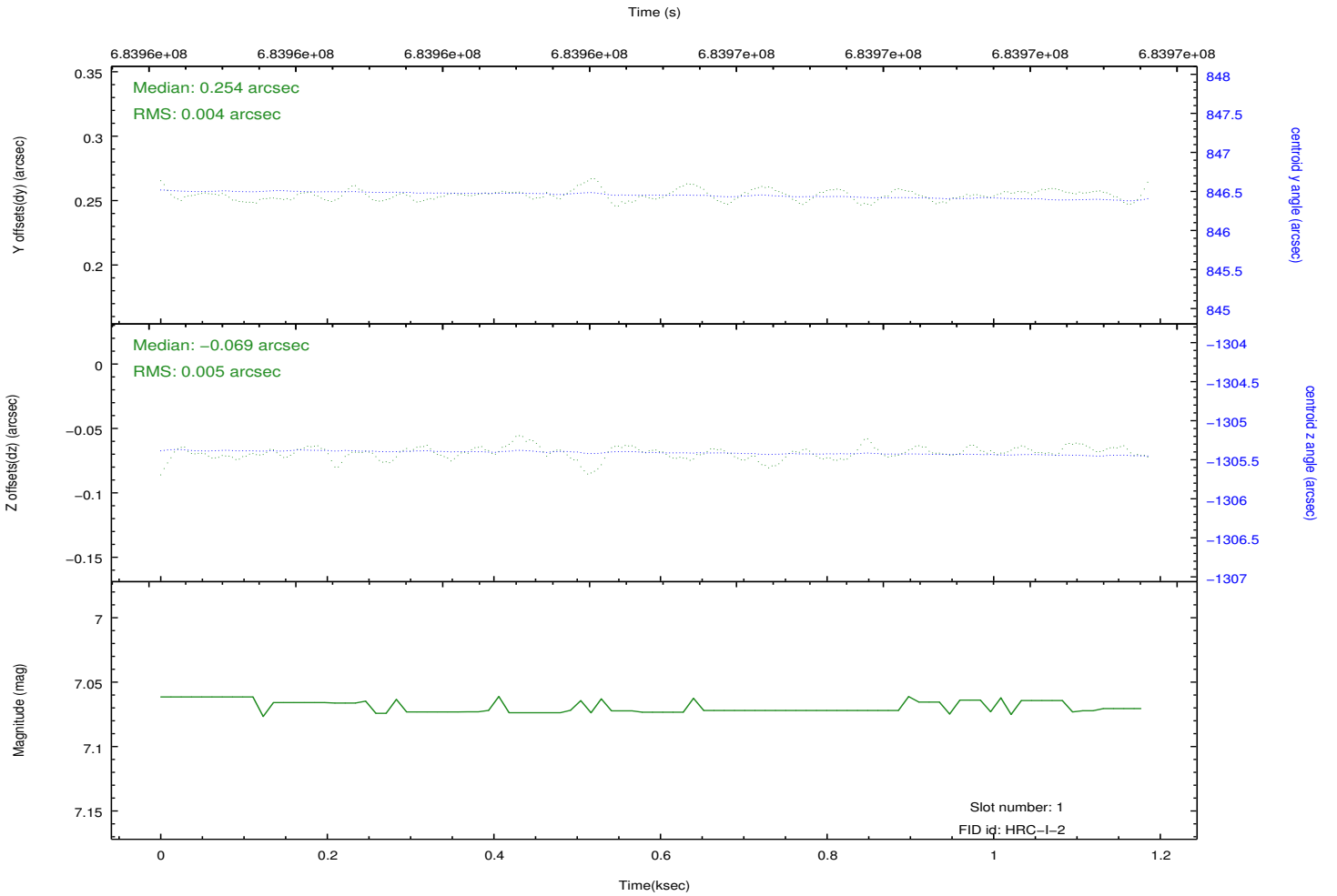
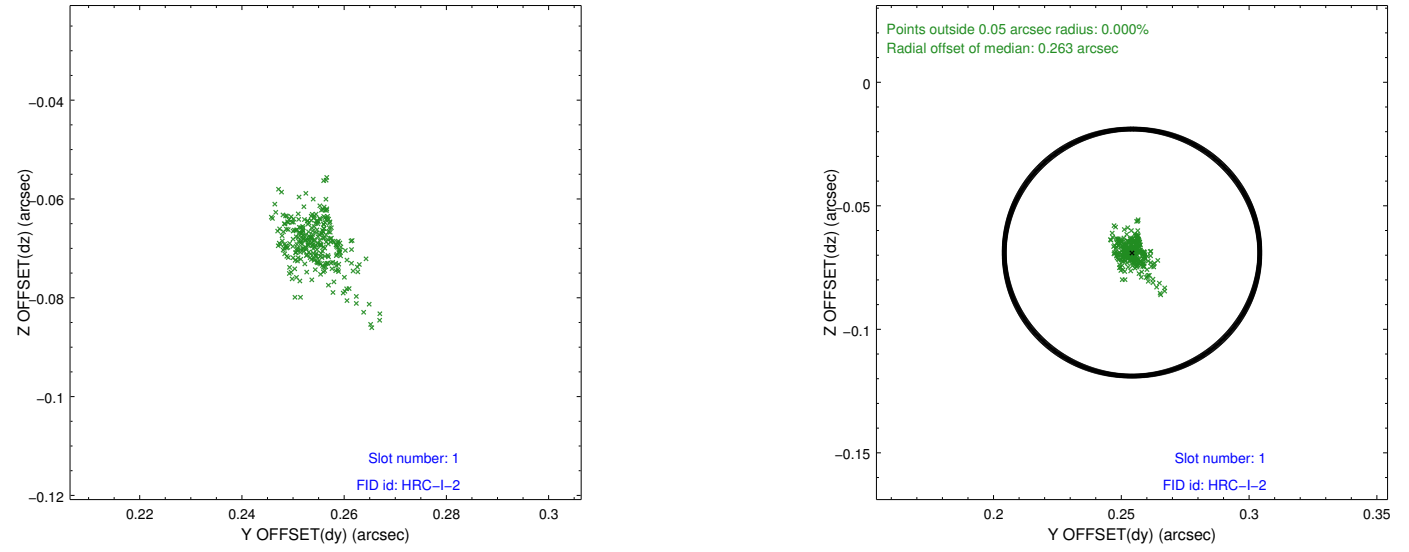


2.5 FID Slots

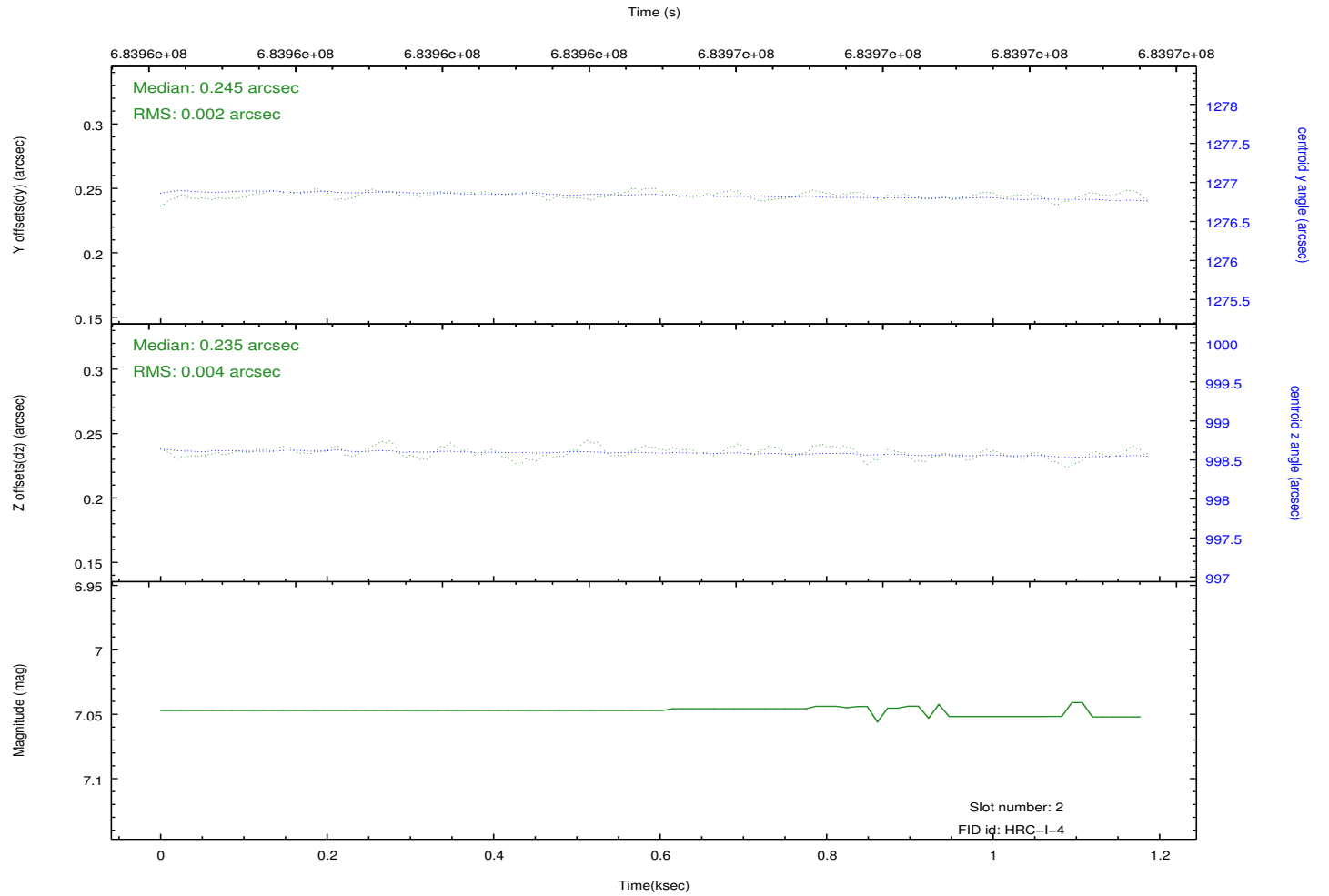
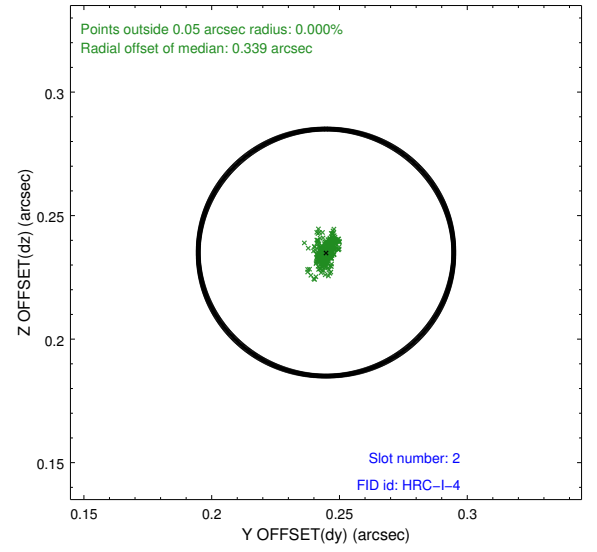
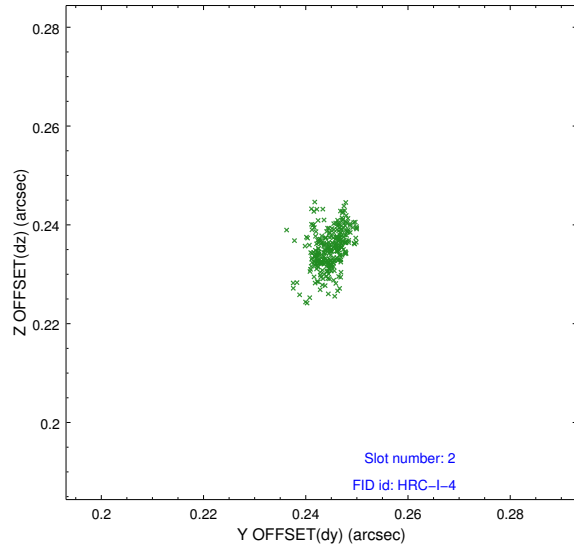
2.5.1 Slot 0



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	1.1879750715494

A.2 Comments