

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21755 - L2 Version 1
Chandra X-Ray Center

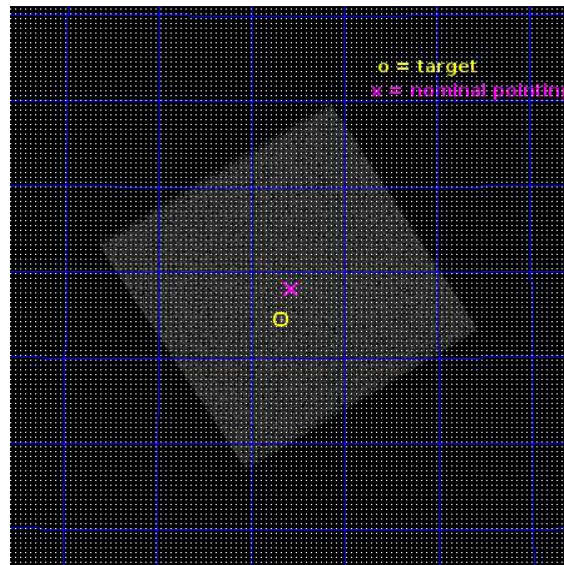
L2 Processing Date : Sep 4 2019

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1 Front

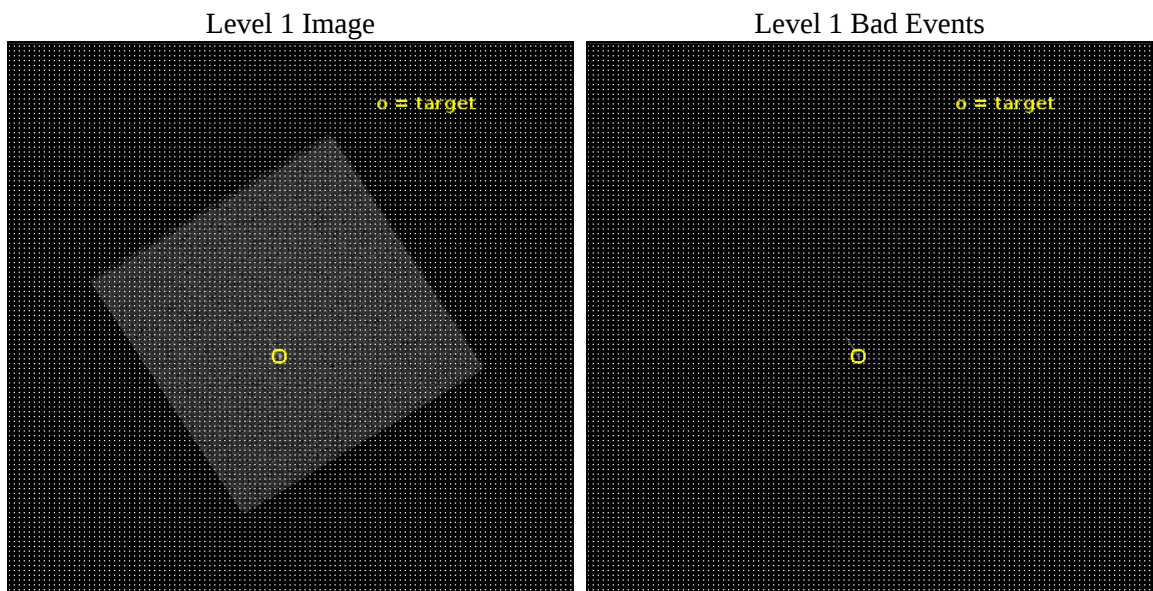
seq_num	291441	Sequence number
obs_id	21755	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.14231445928	Nominal RA [deg]
dec_nom	45.801721628164	Nominal Dec [deg]
roll_nom	192.81807093825	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.4313220978	[s]
livetime	1175.5612457005	Ontime multiplied by DTCOR
l2events	155633	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]
caldsver	4.8.4	 	l1events	253821	Number of level 1 events
date	2019-09-04T15:07:07	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

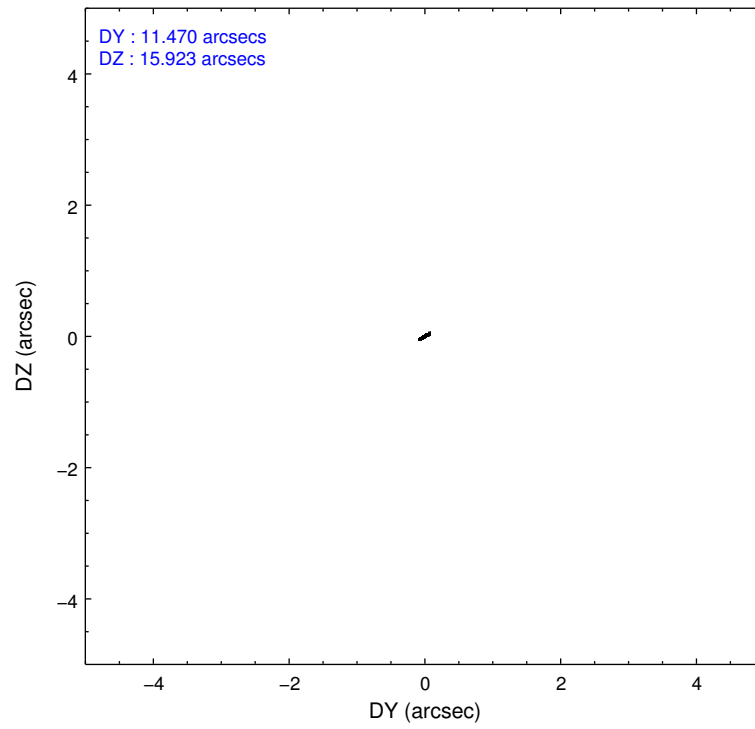
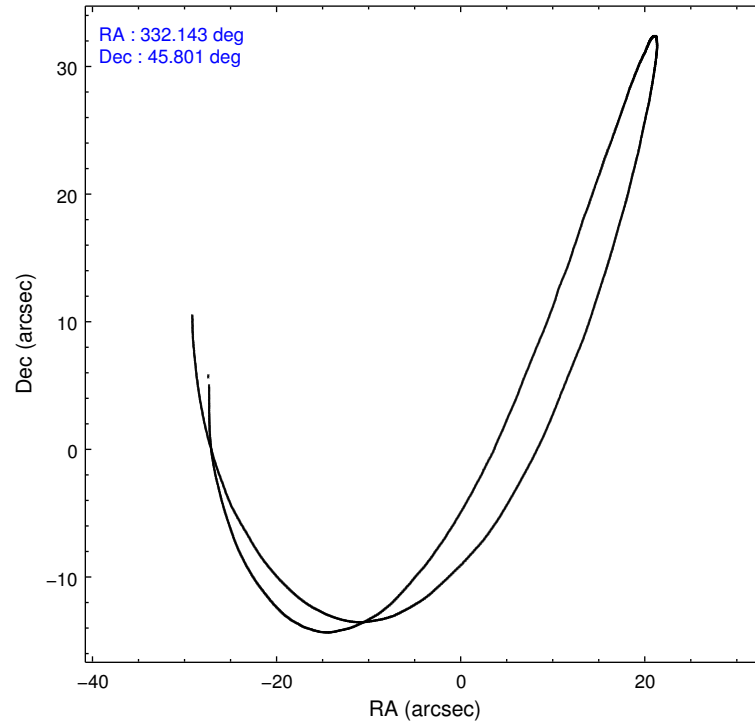
	segment 0
level 1 events	253821
rejected events	52213
rejected %	20%

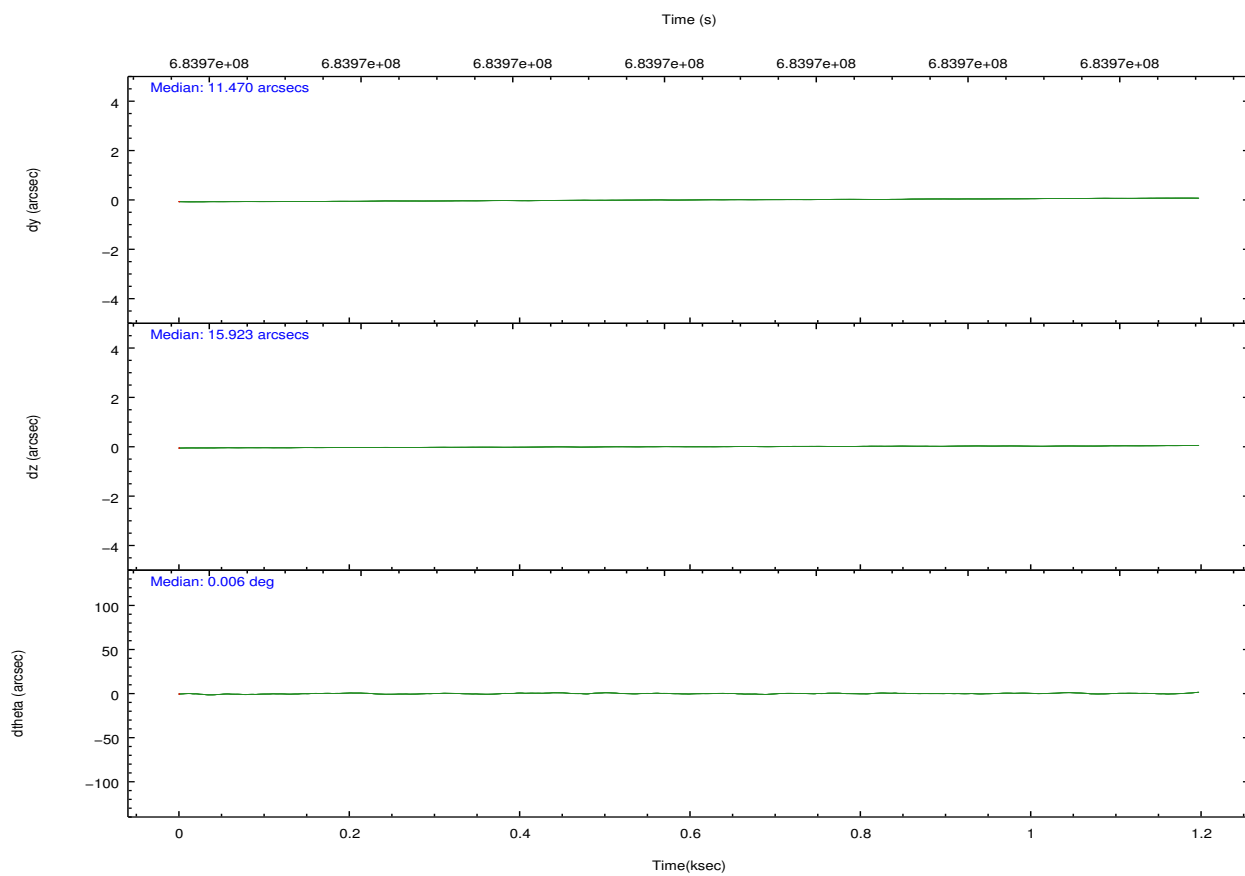
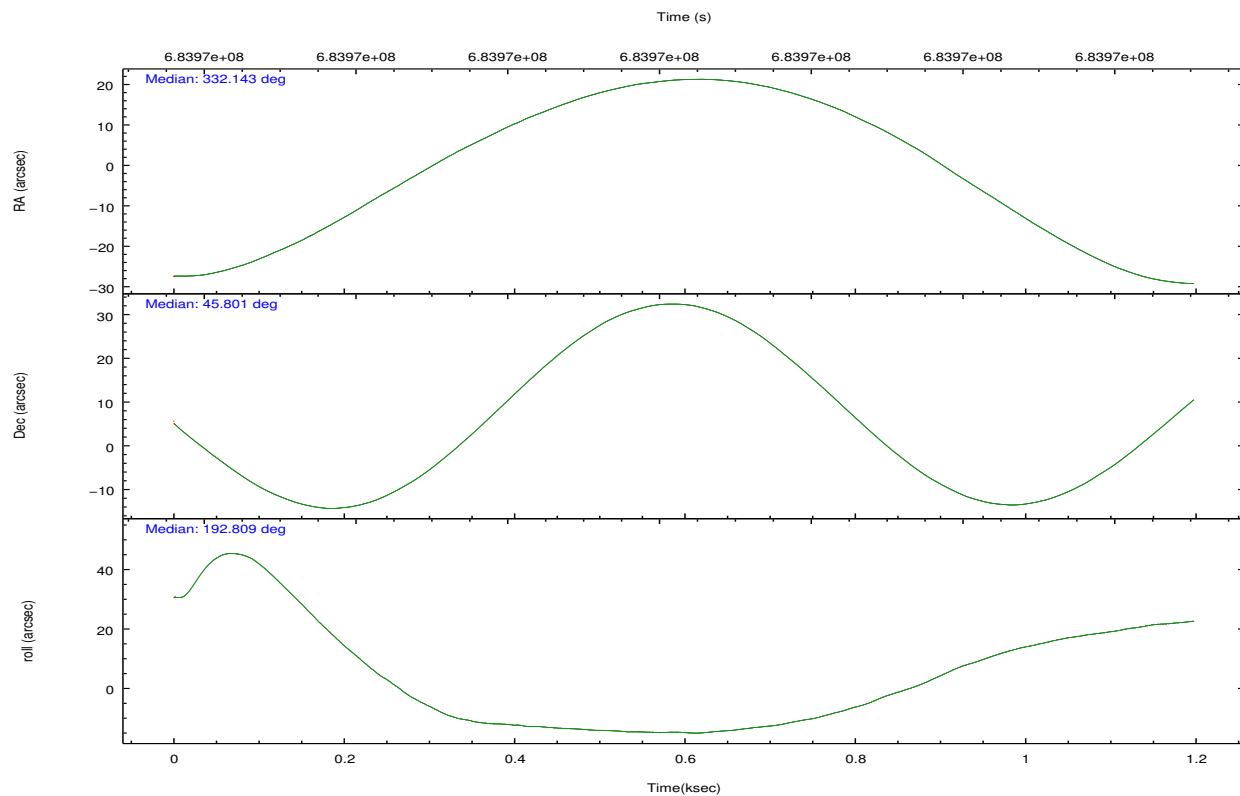
2.2 Compared Parameters

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	332.170777	332.1423144592763
[deg] Pointing Dec	45.821972	45.80172162816359
[deg] Pointing Roll	192.893273	192.8180709382502
[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)	683969213.184000	683968837.52466
Observation start date	2019-09-04T07:25:44	2019-09-04T07:20:37
[s] Observation end time (MET)	683970213.184000	683970347.3497601
Observation end date	2019-09-04T07:42:24	2019-09-04T07:45:47

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

2.3 Aspect



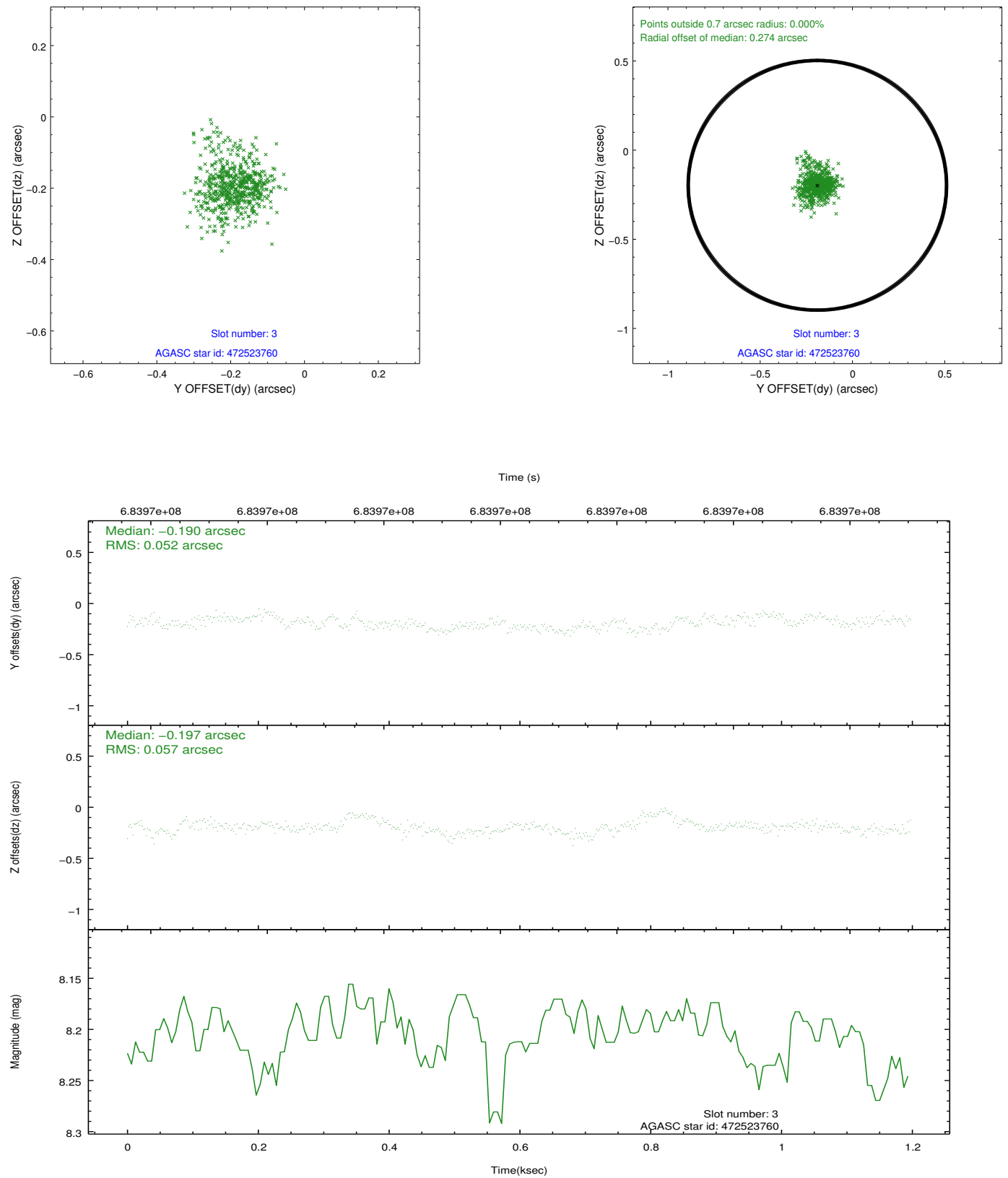


Slot Statistics

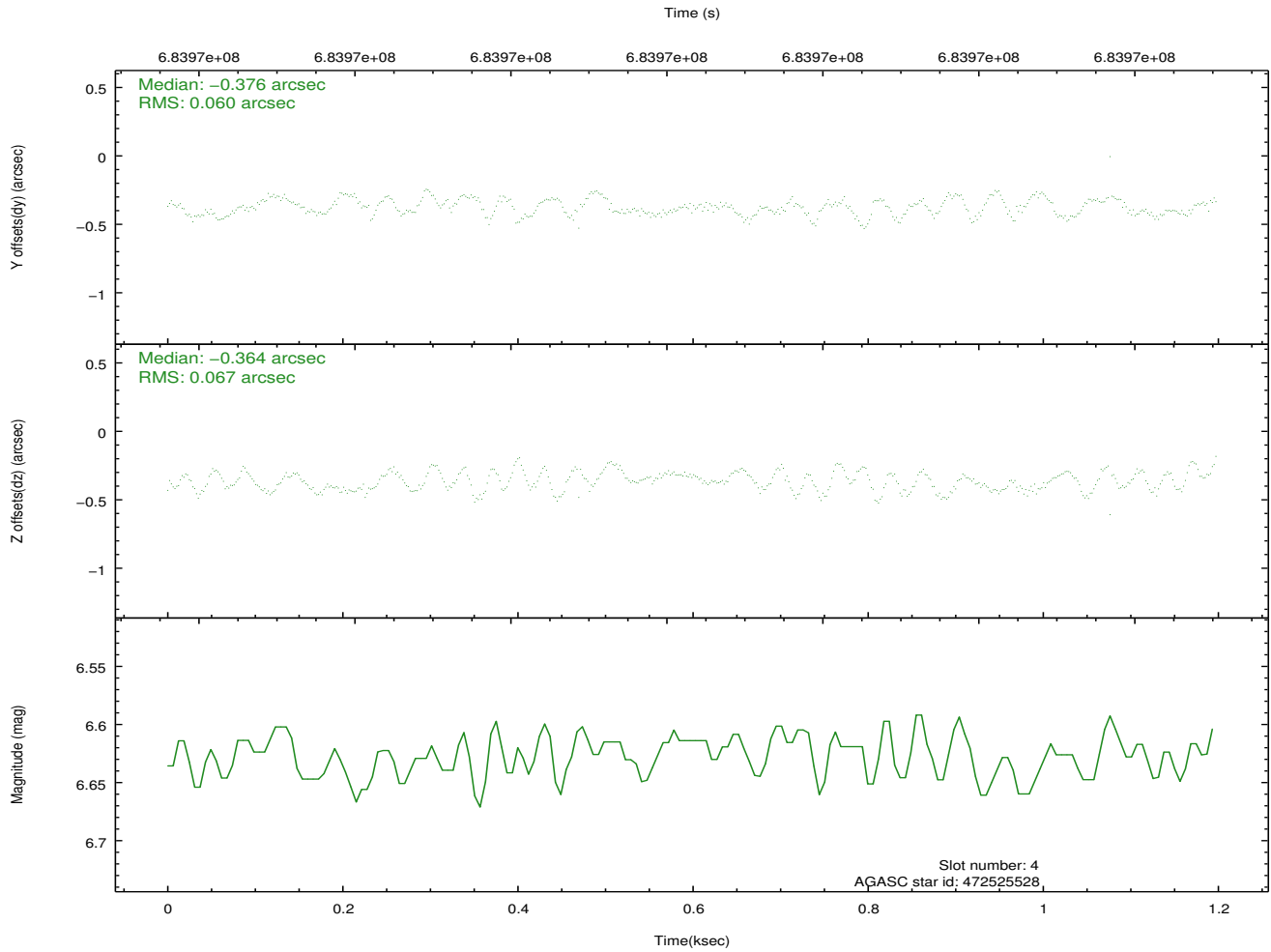
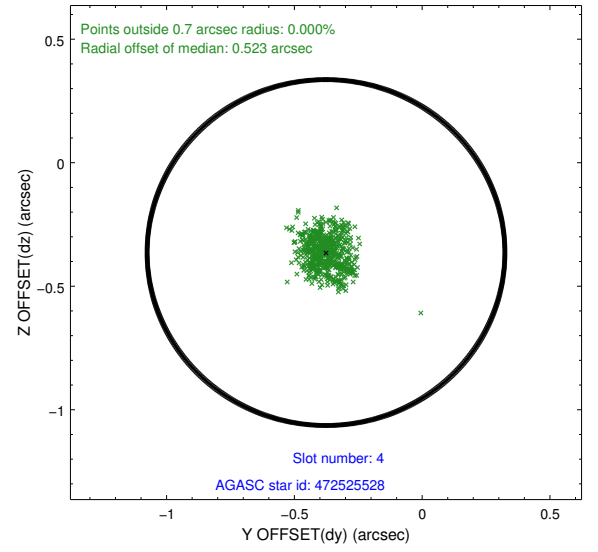
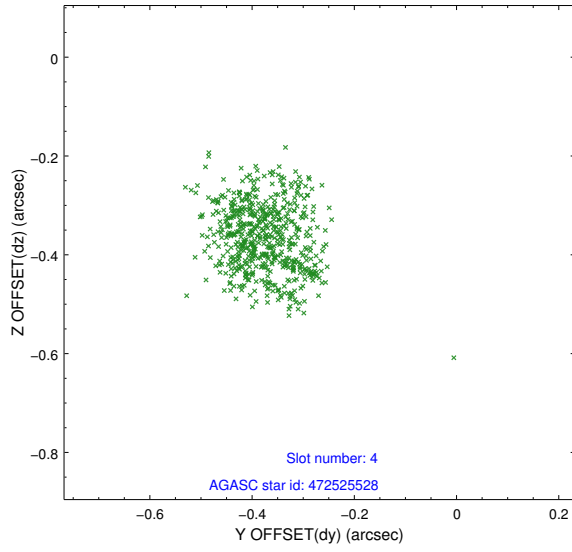
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	7.05	293	1.000	-0.247	-0.044	0.007	0.014	0.000000	0.000000	-767.35 -1304
1	FID		HRC-I-2	7.07	292	1.000	0.412	-0.123	0.007	0.013	0.000000	0.000000	843.31 -1310
2	FID		HRC-I-3	7.12	293	1.000	-0.045	0.078	0.007	0.012	0.000000	0.000000	-1192.87 996
3	GUIDE	used	472523760	8.20	585	1.000	-0.190	-0.197	0.079	0.137	331.645363	45.403260	1628.30 1164
4	GUIDE	used	472525528	6.63	585	1.000	-0.376	-0.364	0.097	0.143	331.551102	45.248694	1990.40 1653
5	GUIDE	used	472527720	6.99	585	1.000	-0.288	-0.389	0.103	0.152	331.460205	45.112509	2329.01 2077
6	GUIDE	used	472535576	7.83	585	1.000	0.233	0.357	0.110	0.197	331.438373	46.291802	1399.69 -2063
7	GUIDE	used	472665256	8.97	584	1.000	0.629	0.579	0.115	0.182	332.808125	46.195041	-1847.61 -968

2.4 Star Slots

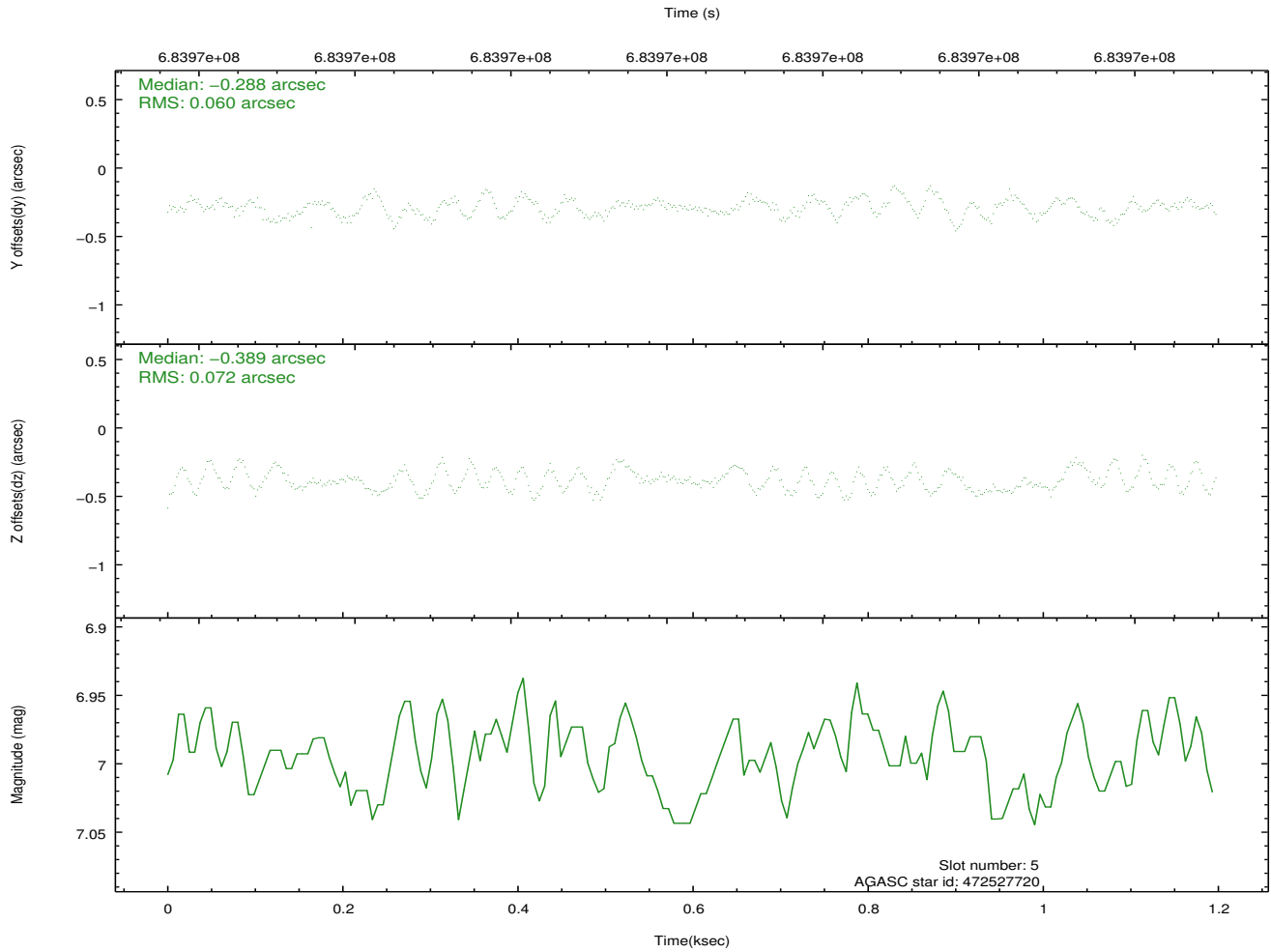
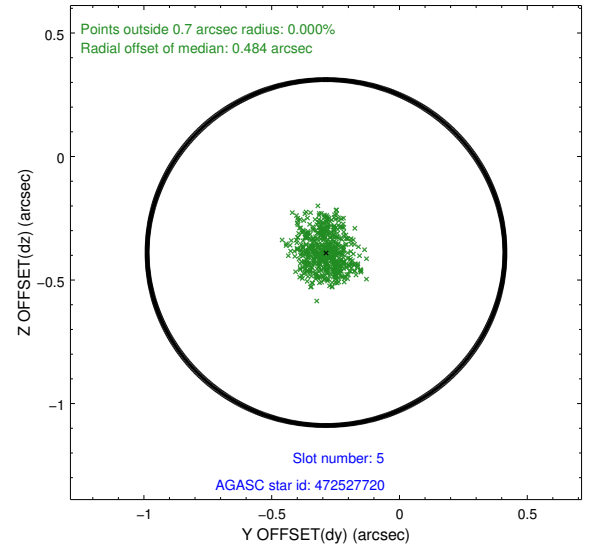
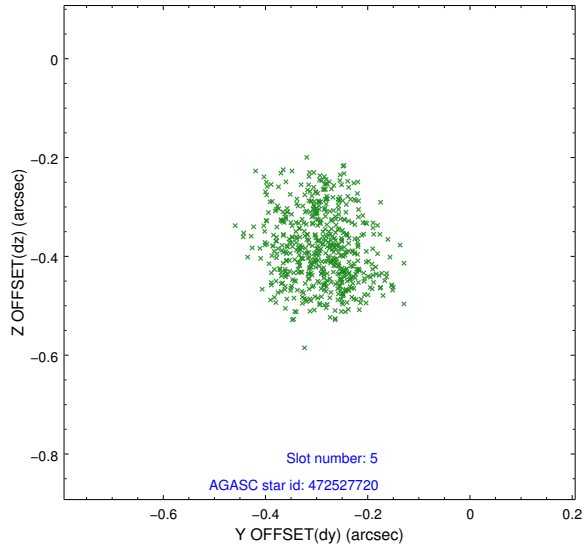
2.4.1 Slot 3



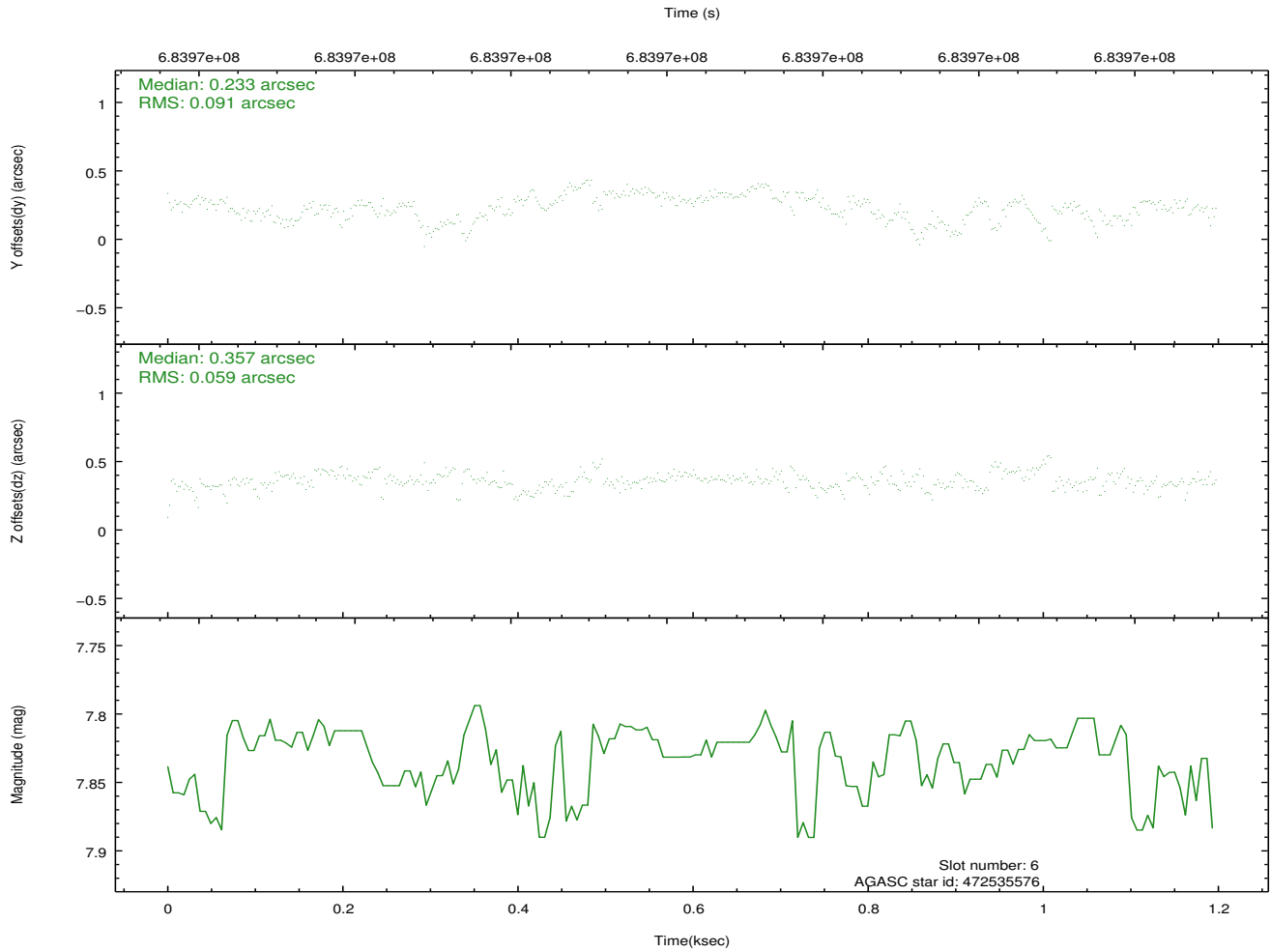
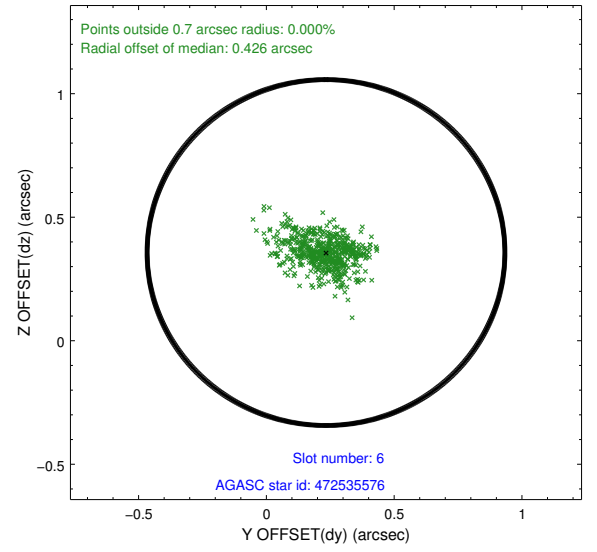
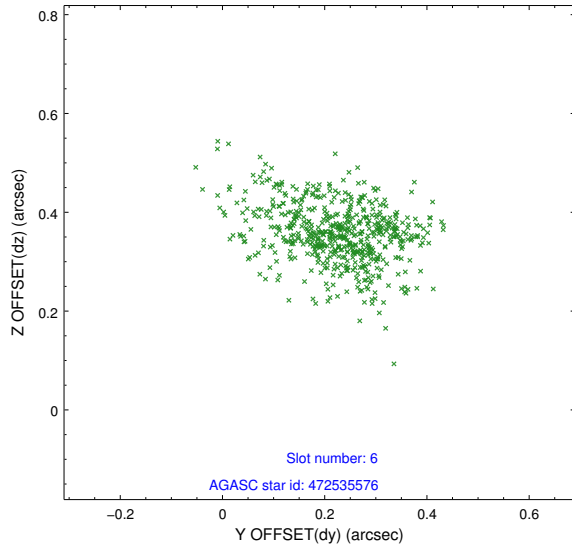
2.4.2 Slot 4



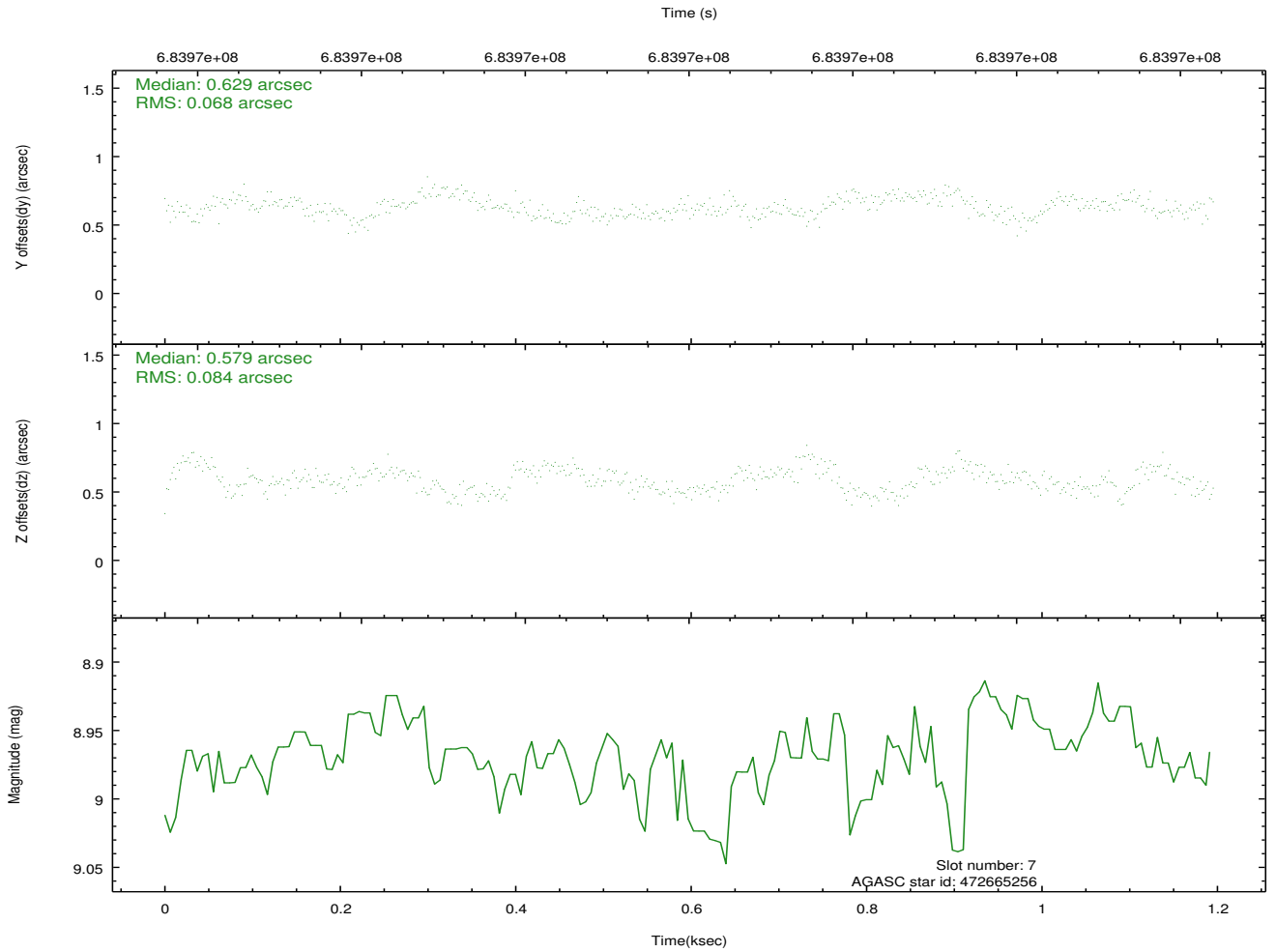
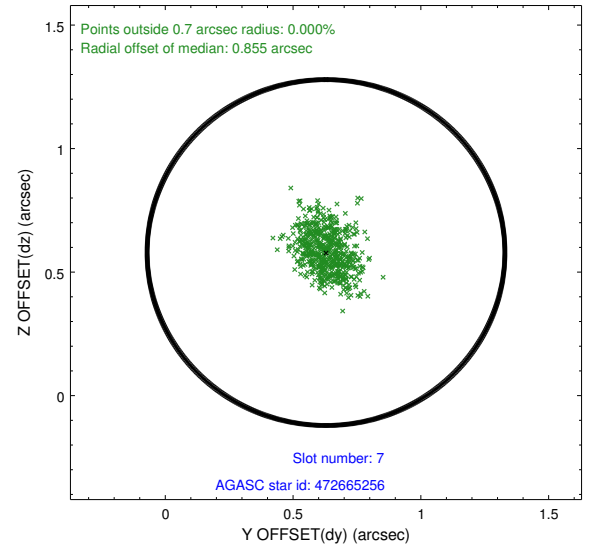
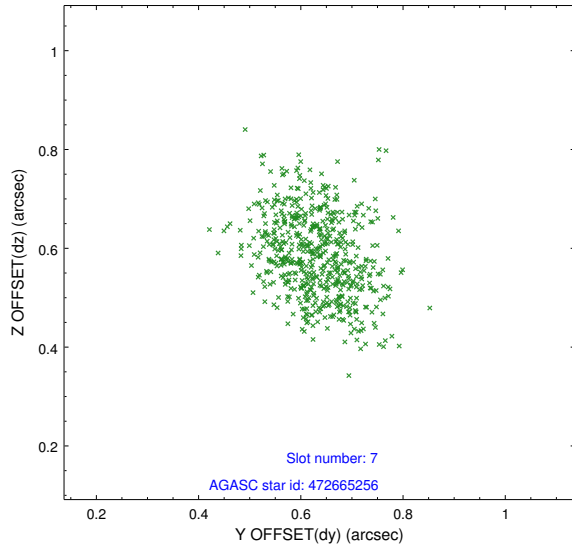
2.4.3 Slot 5



2.4.4 Slot 6

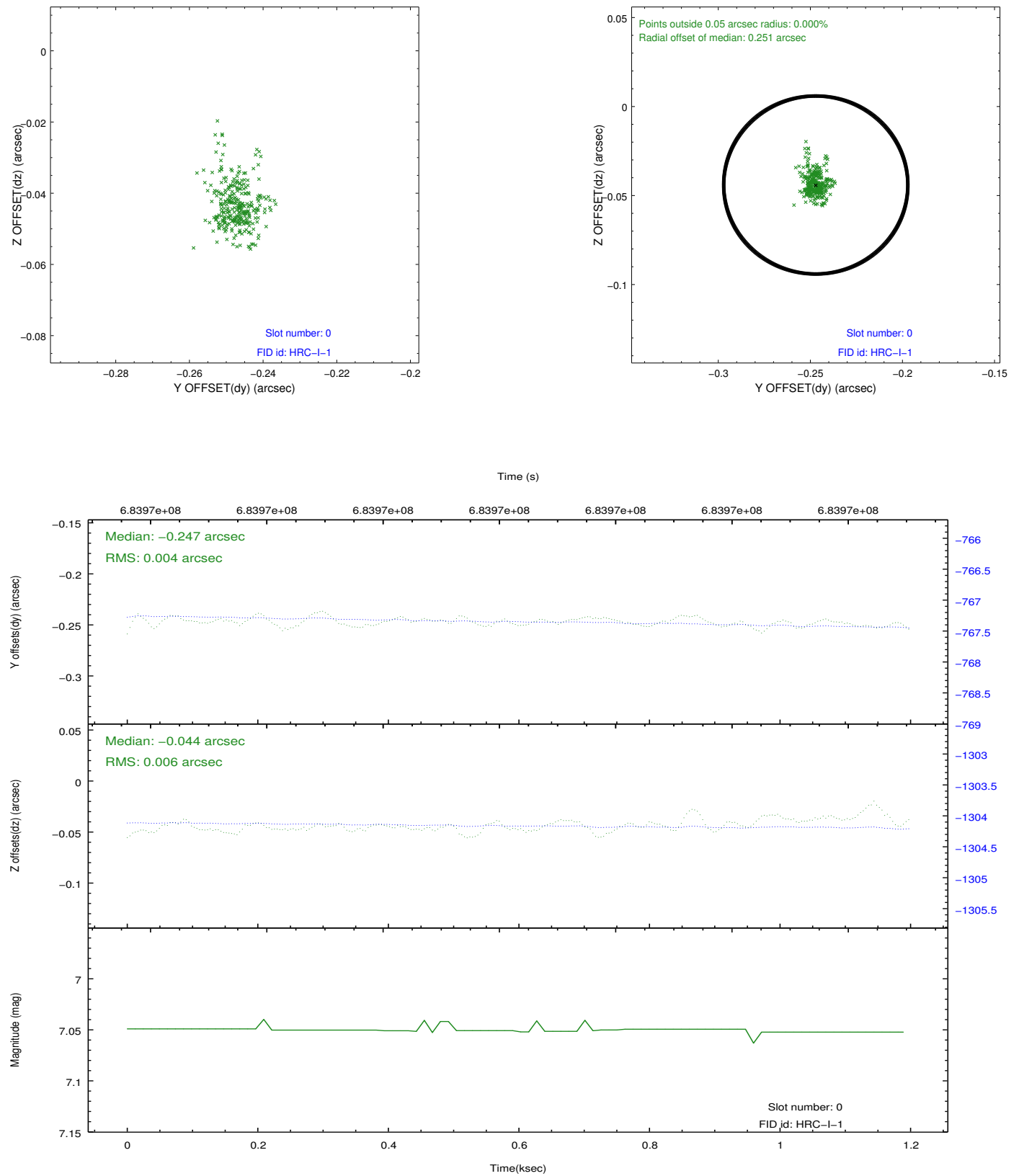


2.4.5 Slot 7

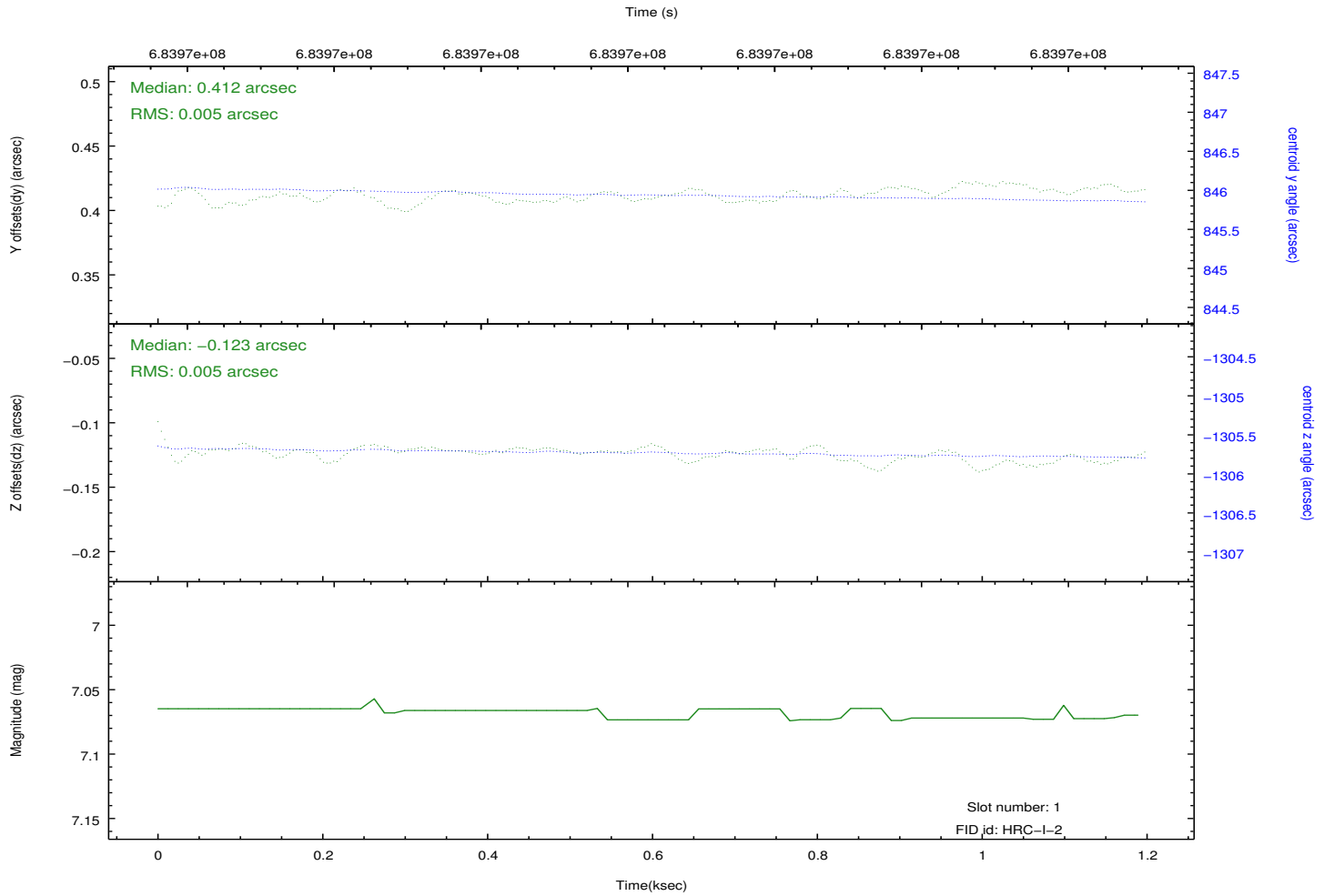
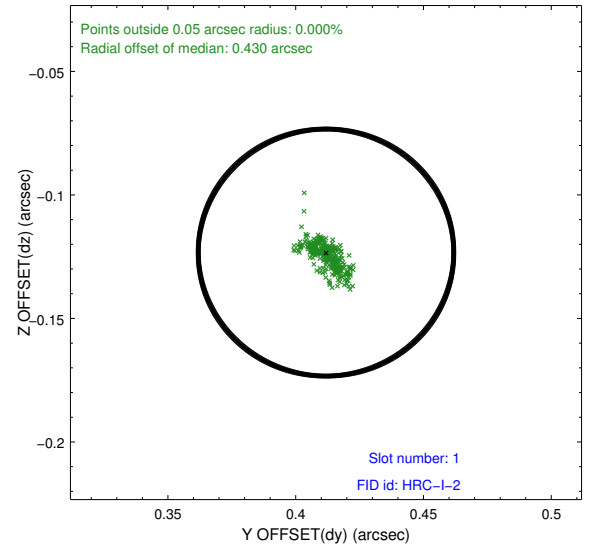
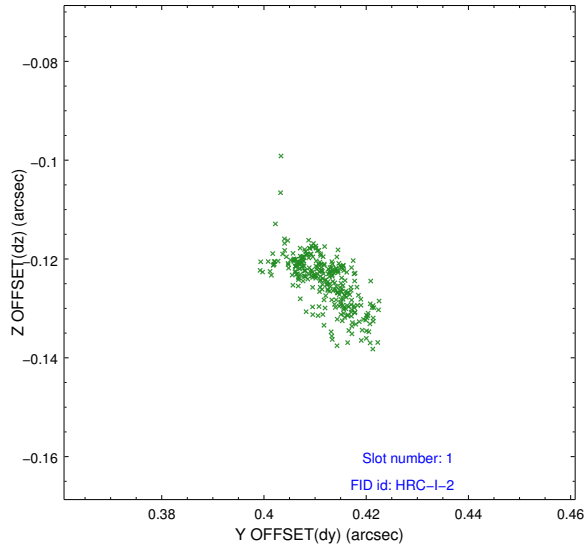


2.5 FID Slots

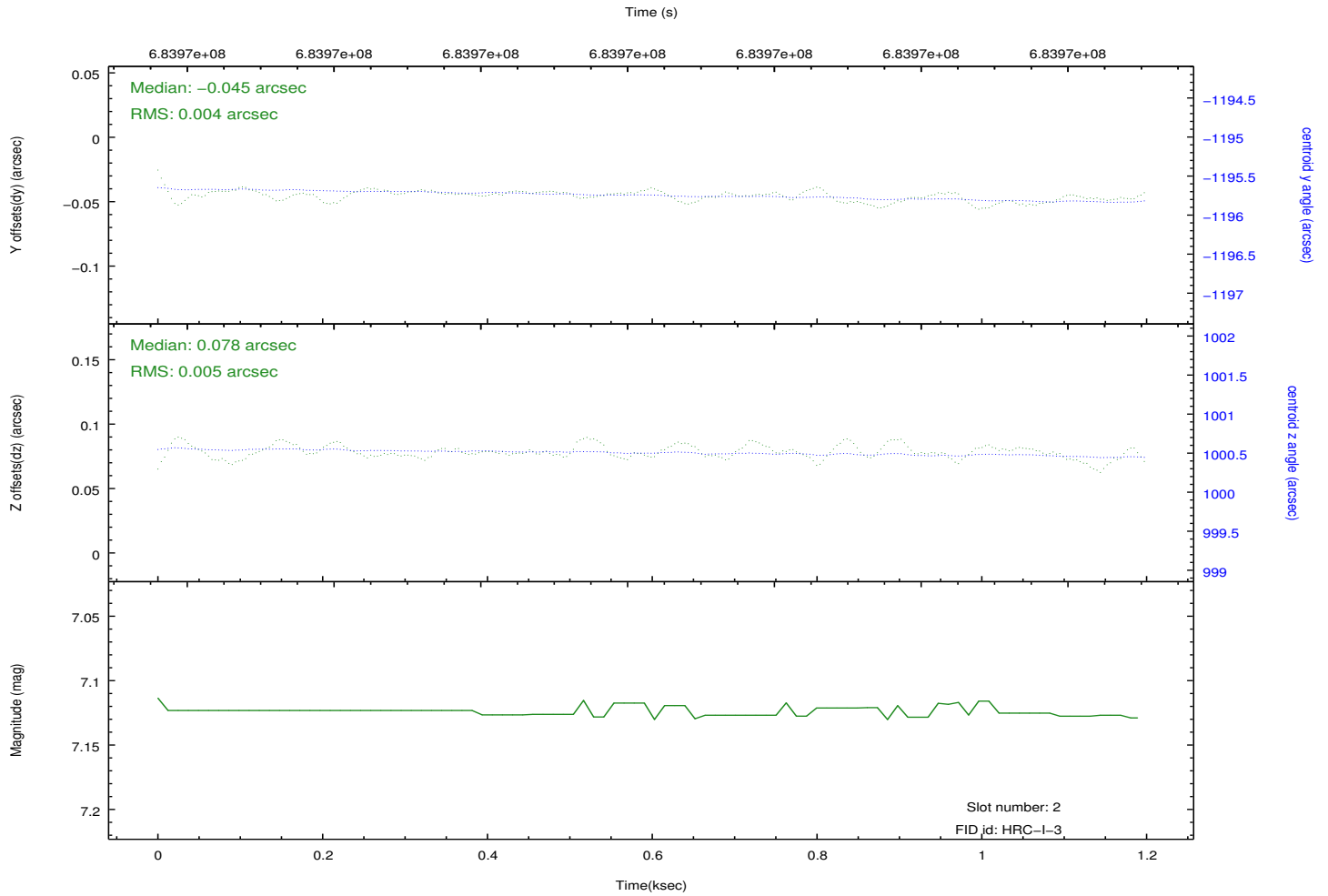
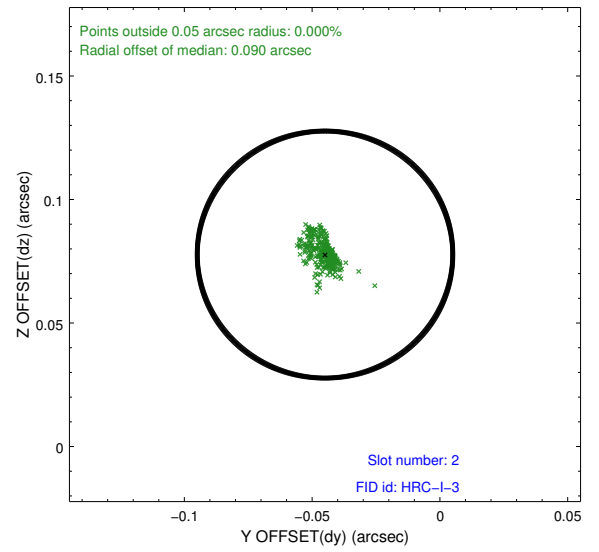
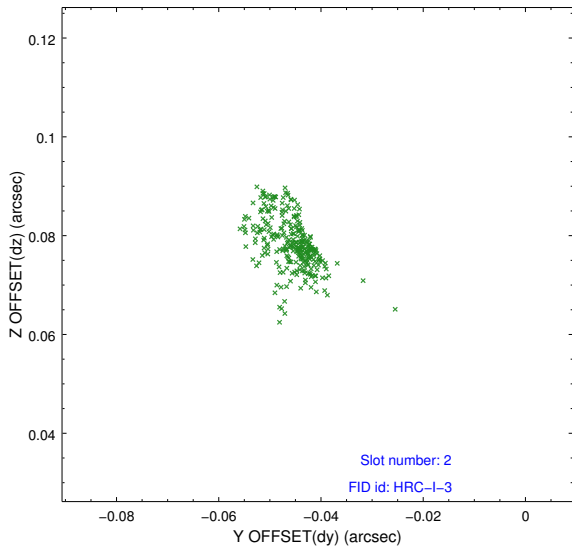
2.5.1 Slot 0



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