

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9640 - L2 Version 3
Chandra X-Ray Center

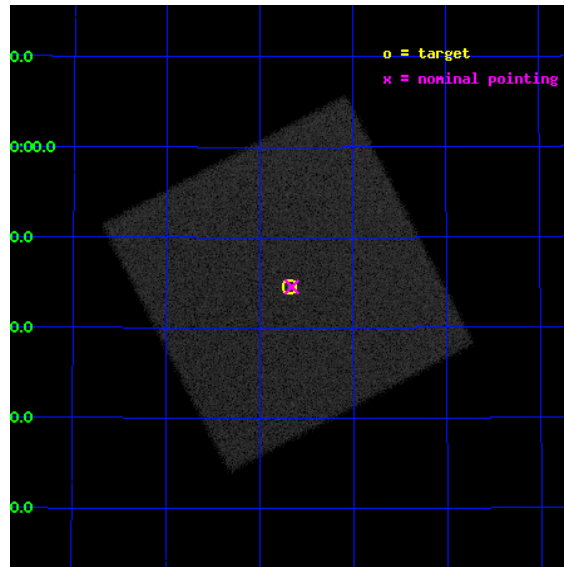
L2 Processing Date : Aug 12 2012

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1 Front

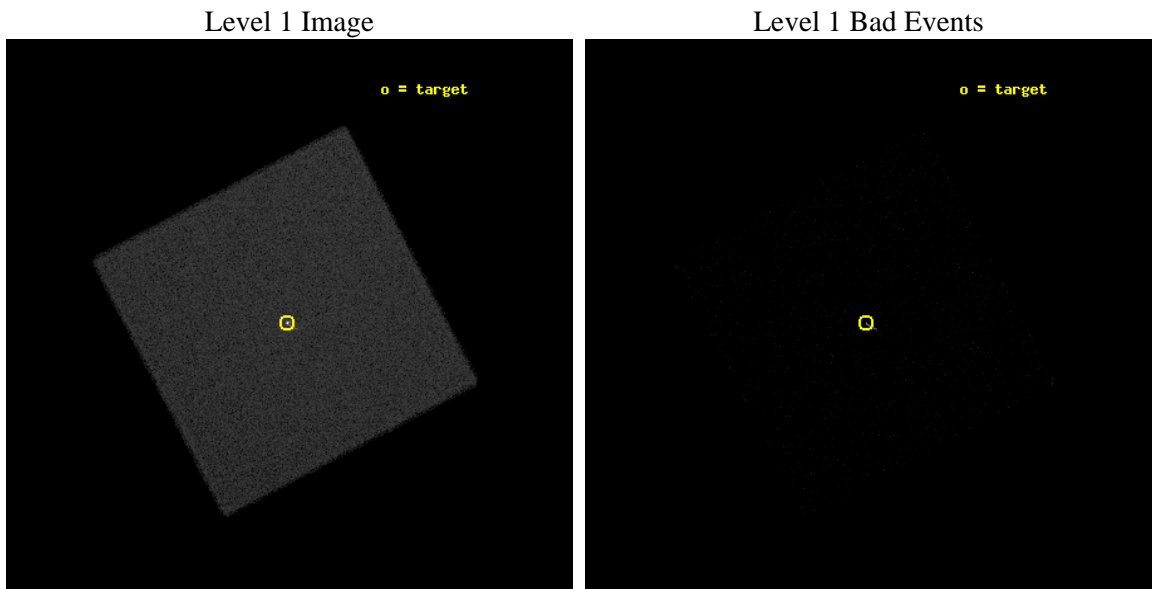
seq_num	290763	Sequence number
obs_id	9640	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16403668192	Nominal RA [deg]
dec_nom	45.742427278688	Nominal Dec [deg]
roll_nom	197.43068589919	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3184.931406498	[s]
livetime	3150.2669861525	Ontime multiplied by DTCOR
l2events	216682	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3184.931406498	[s]
caldbver	4.5.1.1	 	l1events	354210	Number of level 1 events
date	2012-08-12T19:26:27	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

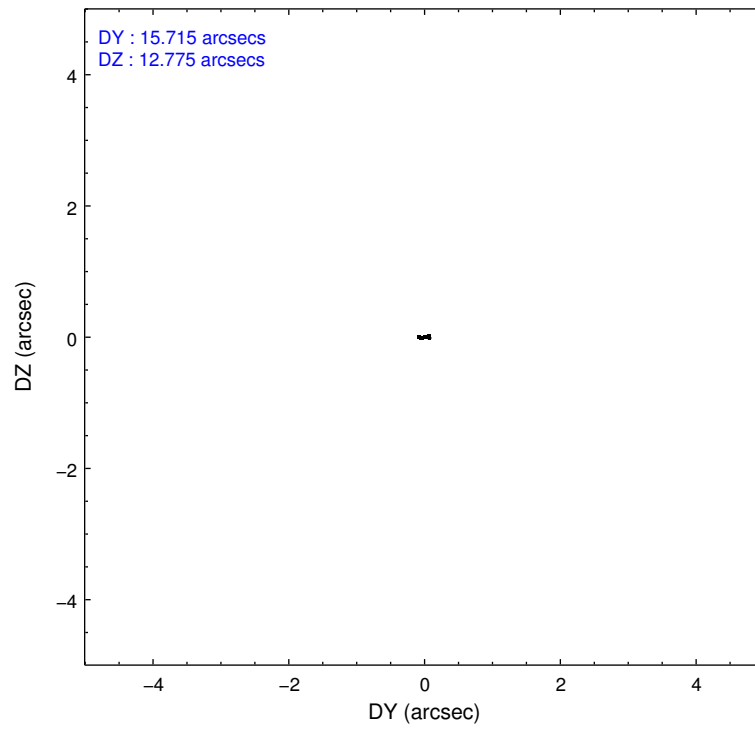
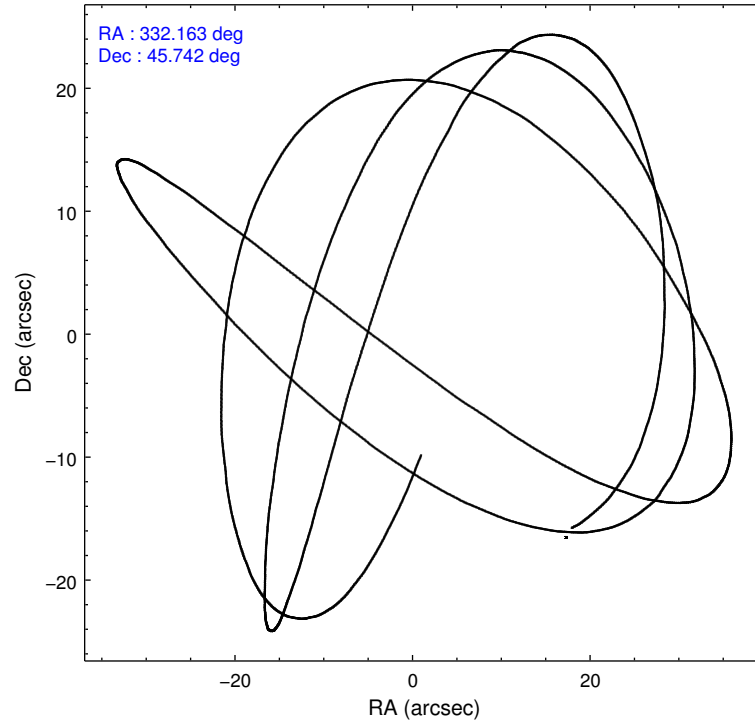
Level 1 Events

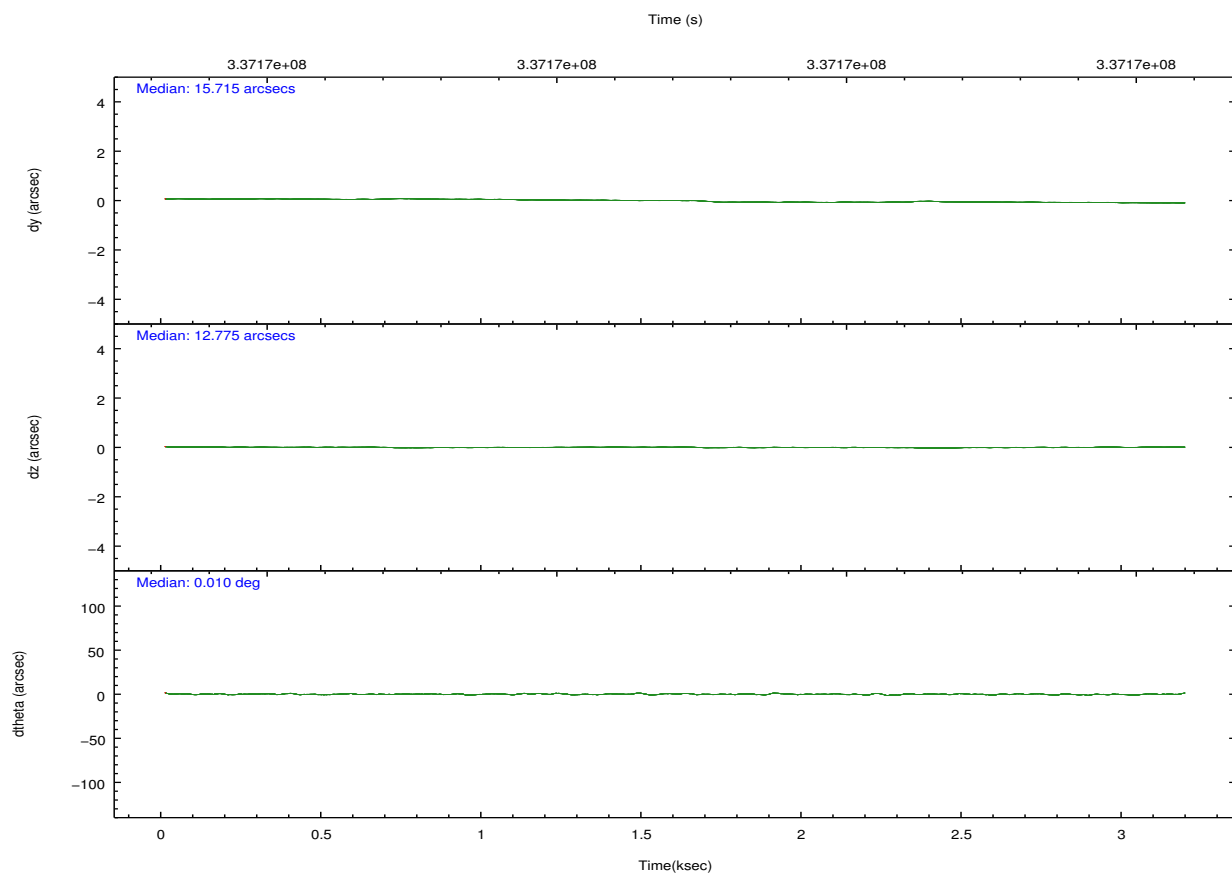
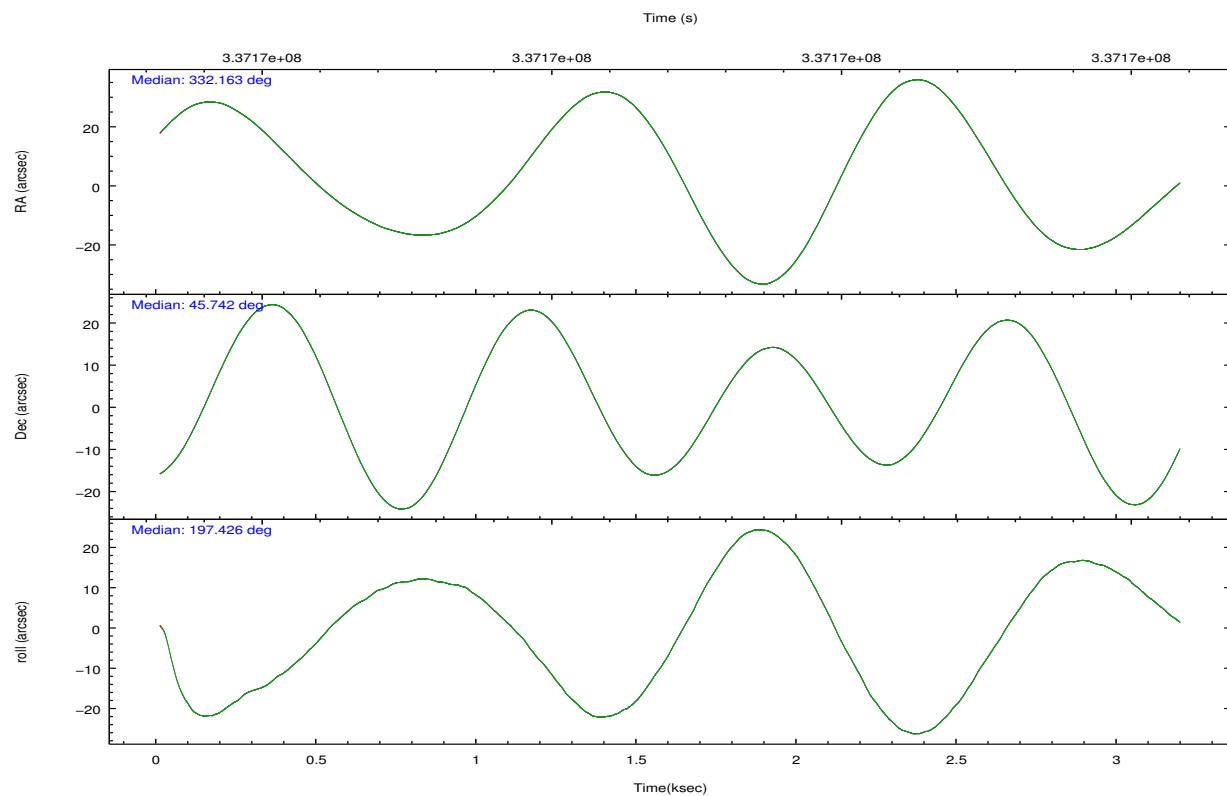
	segment 0
level 1 events	354210
rejected events	43005
rejected %	12%

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	332.189660	332.1640366819245			
[deg] Pointing Dec	45.763067	45.74242727868757			
[deg] Pointing Roll	197.507768	197.4306858991928			
[s] Window start time (MET)	333936065.184000	333936065.184000			
[s] Window stop time (MET)	341798465.184000	341798465.184000			
[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)	337168007.184000	337167346.28008			
Observation start date	2008-09-07T09:45:42	2008-09-07T09:35:46			
[s] Observation end time (MET)	337171007.184000	337171141.34277			
Observation end date	2008-09-07T10:35:42	2008-09-07T10:39:01			

2.3 Aspect



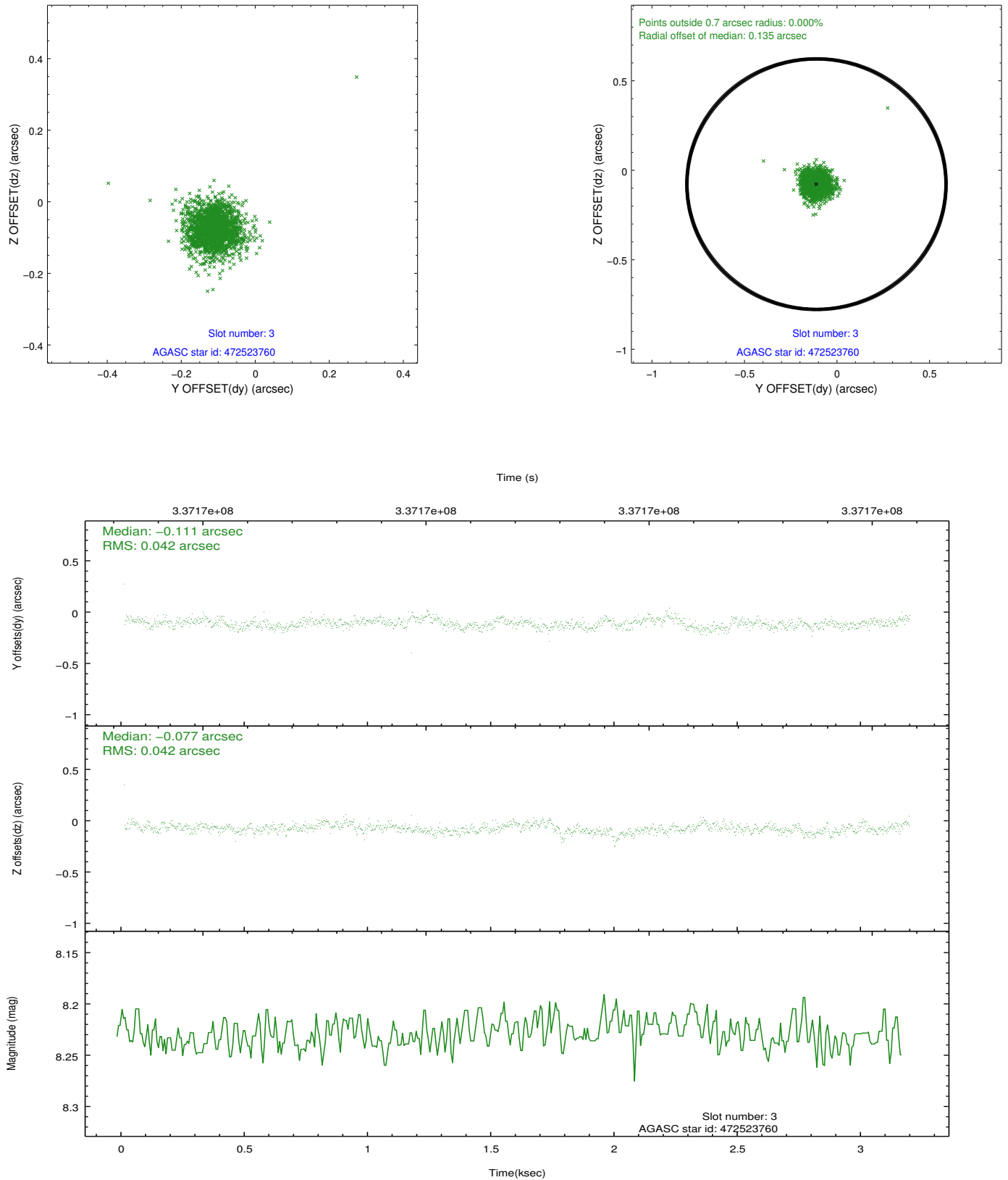


Slot Statistics

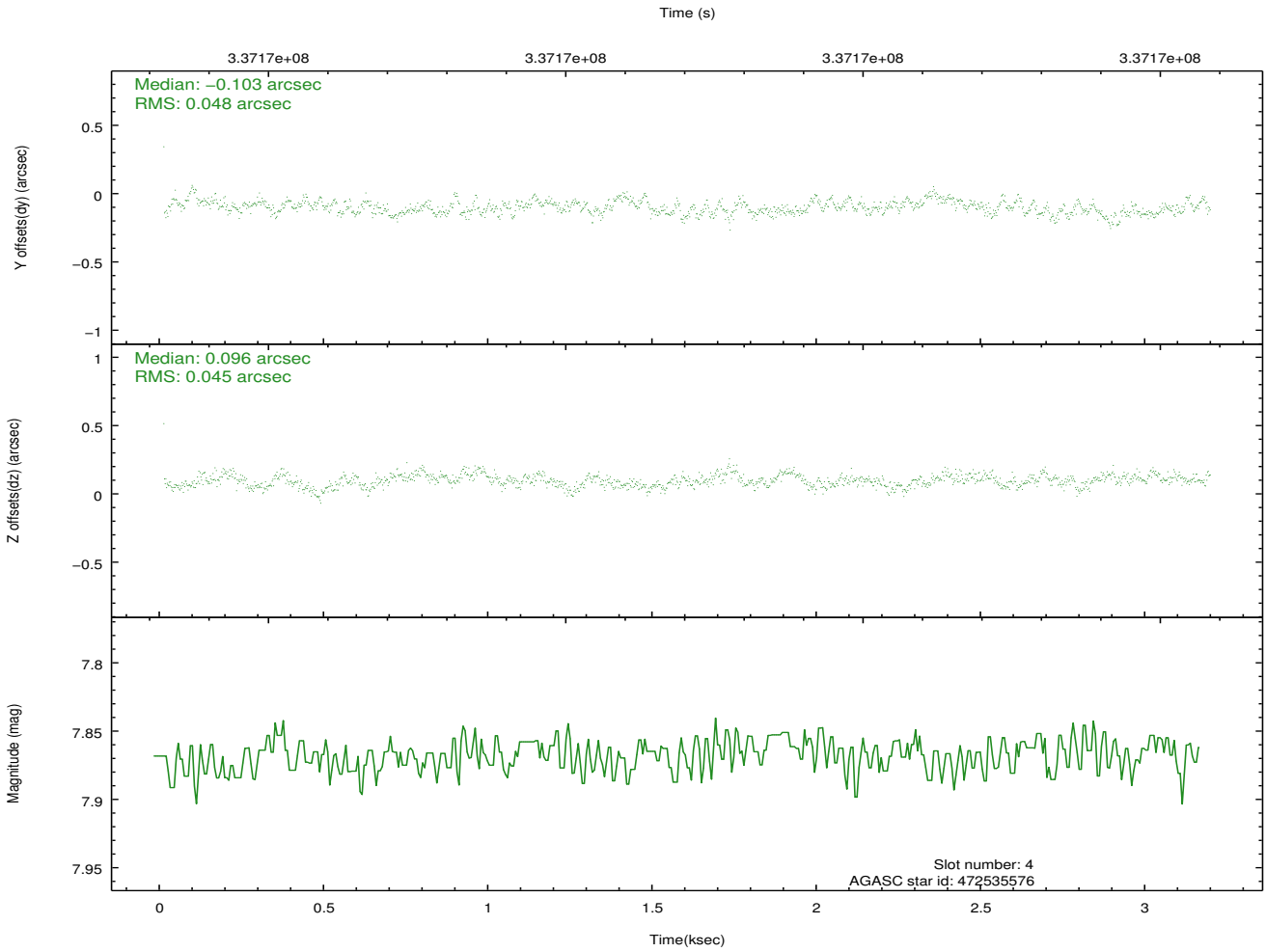
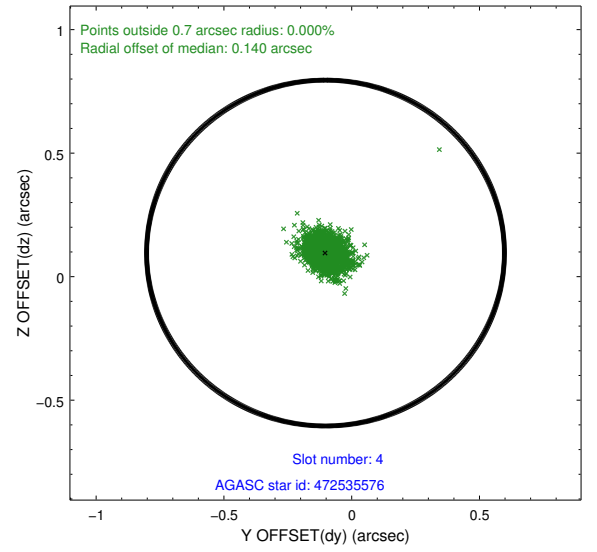
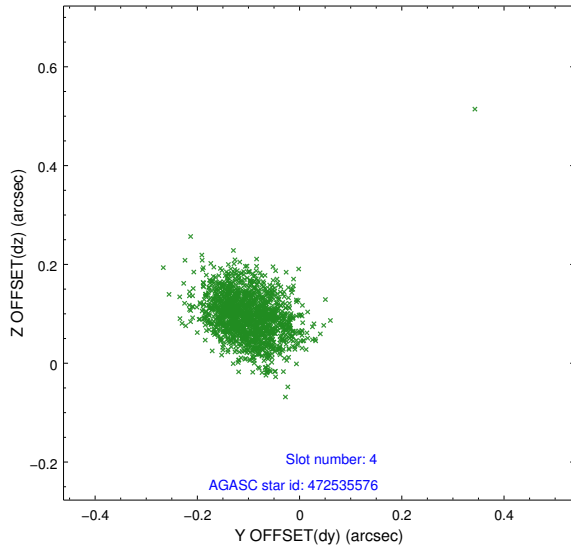
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	773	-0.054	0.008	0.006	0.011	0.000000	0.000000	-771.62	-1300.76
1	FID	HRC-I-2	7.03	778	0.230	-0.148	0.006	0.010	0.000000	0.000000	840.30	-1304.21
2	FID	HRC-I-3	7.09	773	-0.057	0.051	0.006	0.010	0.000000	0.000000	-1198.96	1002.17
3	GUIDE	472523760	8.23	1553	-0.111	-0.077	0.060	0.100	331.645363	45.403260	1700.64	816.69
4	GUIDE	472535576	7.87	1555	-0.103	0.096	0.069	0.111	331.438373	46.291802	1208.73	-2385.59
5	GUIDE	472655152	9.44	1540	0.073	0.031	0.118	0.187	332.504239	45.862991	-859.34	-109.07
6	GUIDE	472665256	9.01	1535	0.165	-0.035	0.087	0.139	332.808125	46.195041	-1939.03	-1025.61
7	GUIDE	472533912	9.14	1551	-0.025	-0.009	0.129	0.208	331.791136	46.368695	286.91	-2380.50

2.4 Star Slots

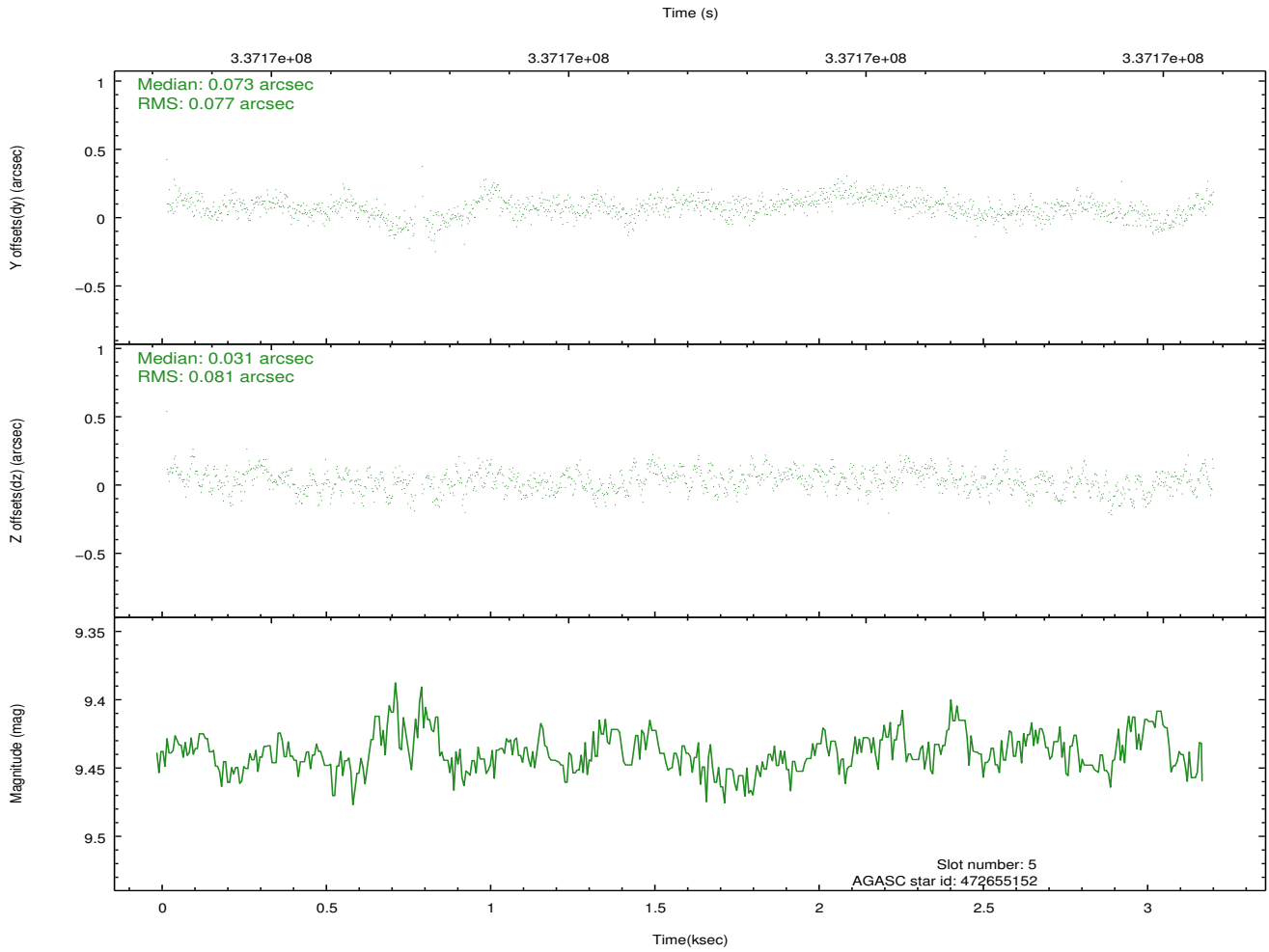
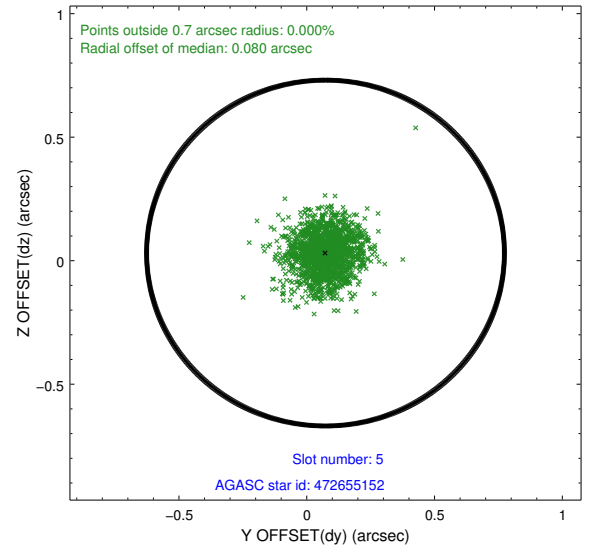
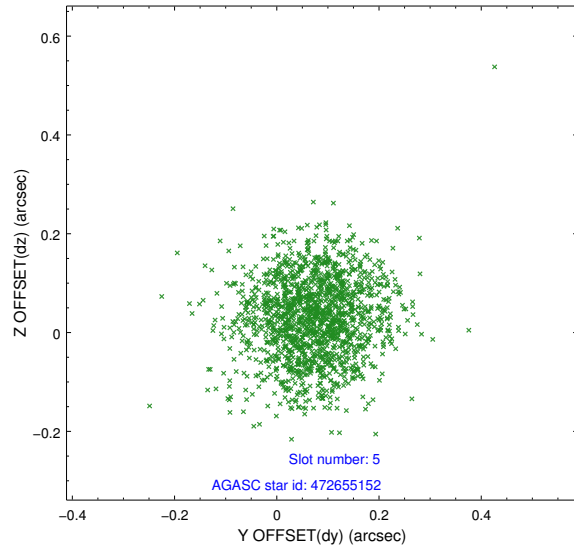
2.4.1 Slot 3



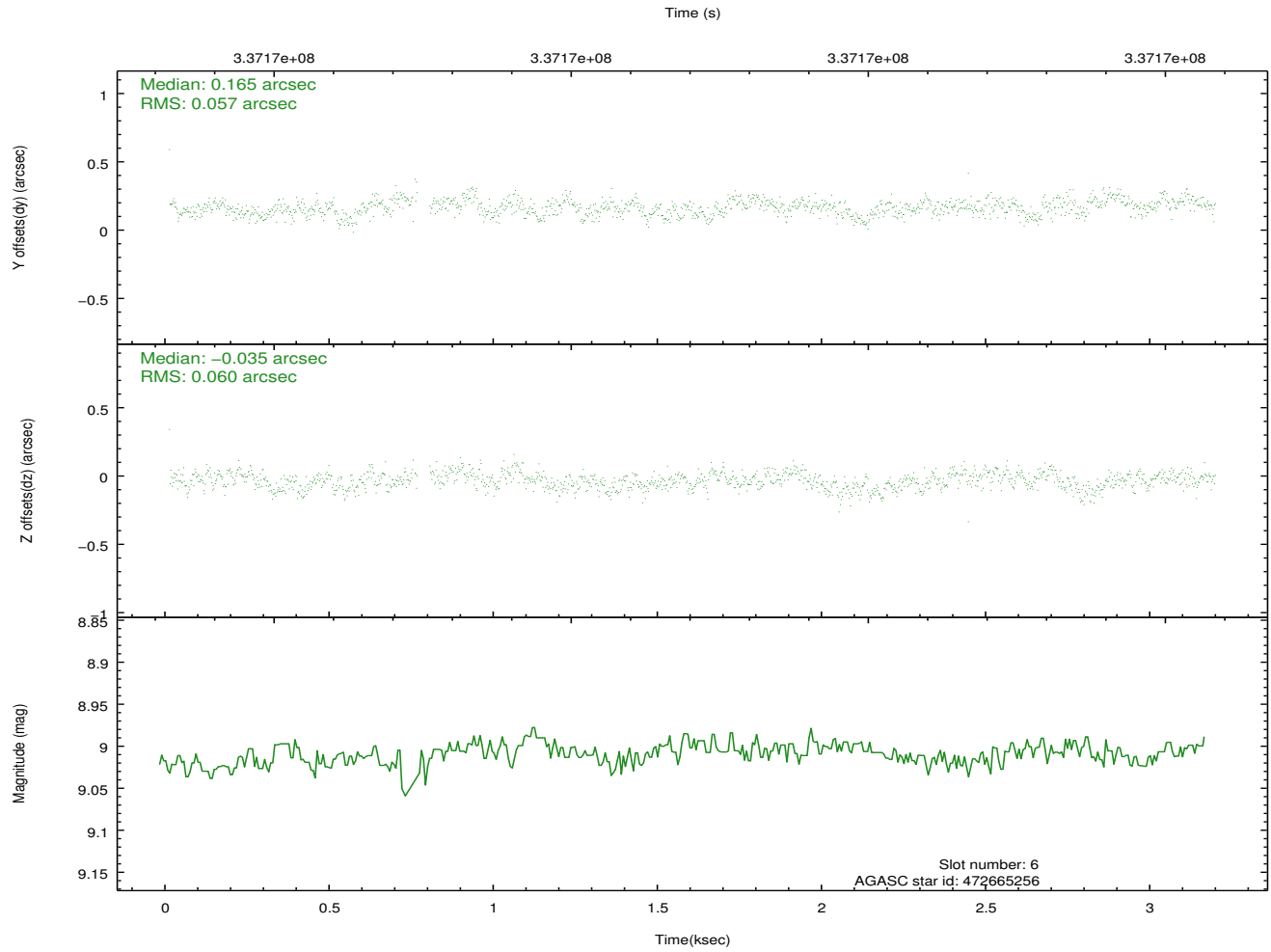
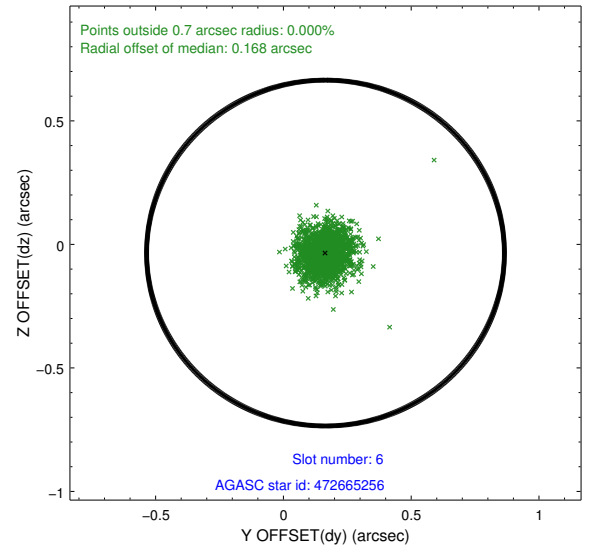
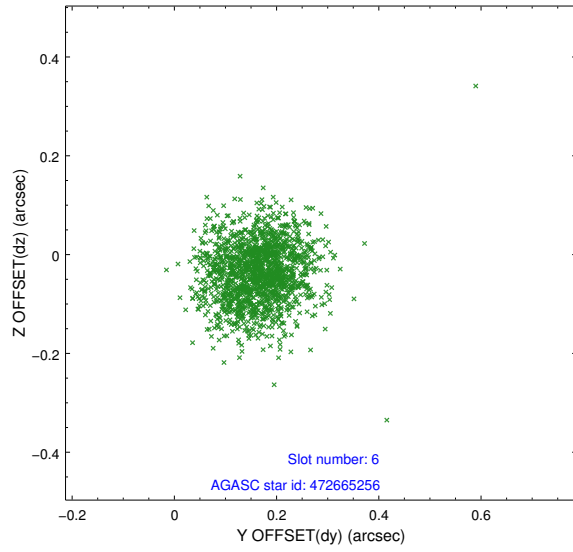
2.4.2 Slot 4



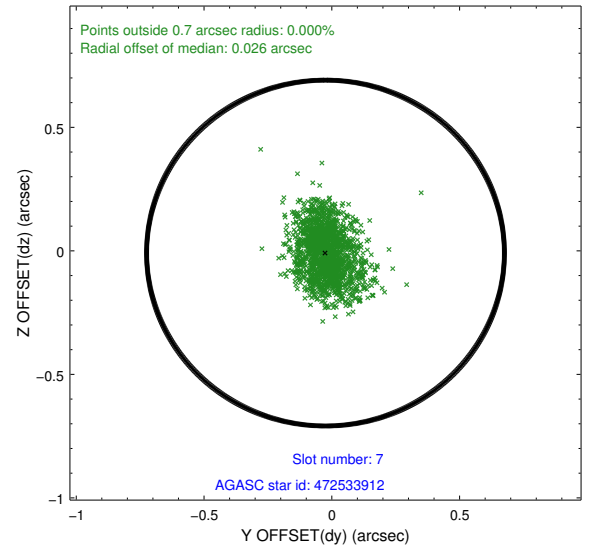
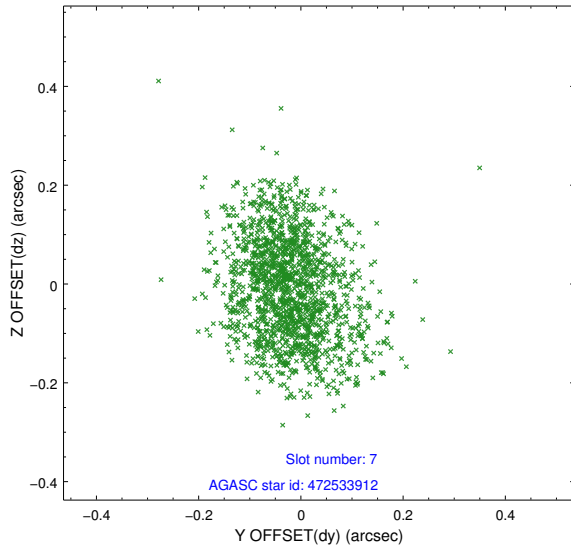
2.4.3 Slot 5



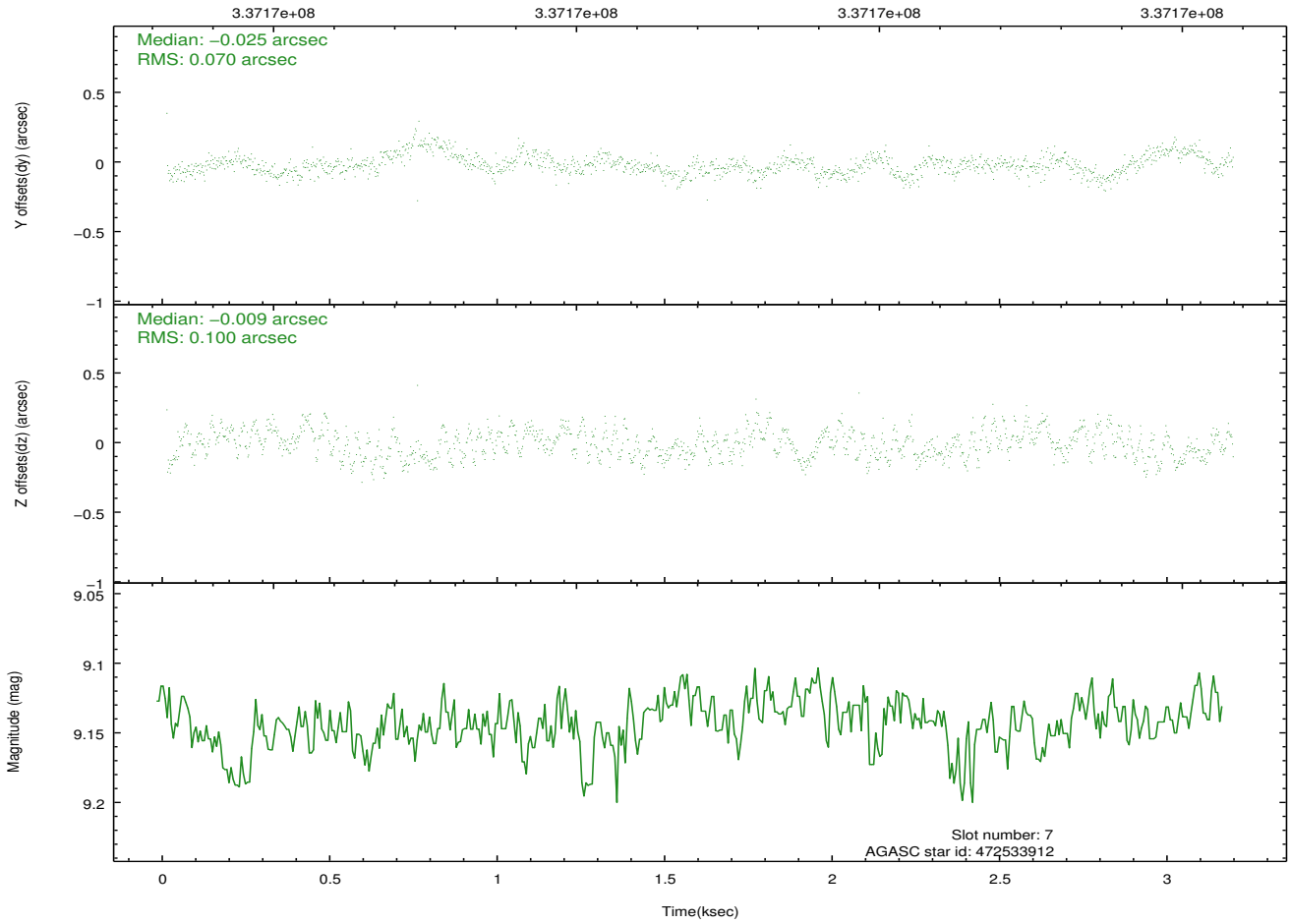
2.4.4 Slot 6



2.4.5 Slot 7

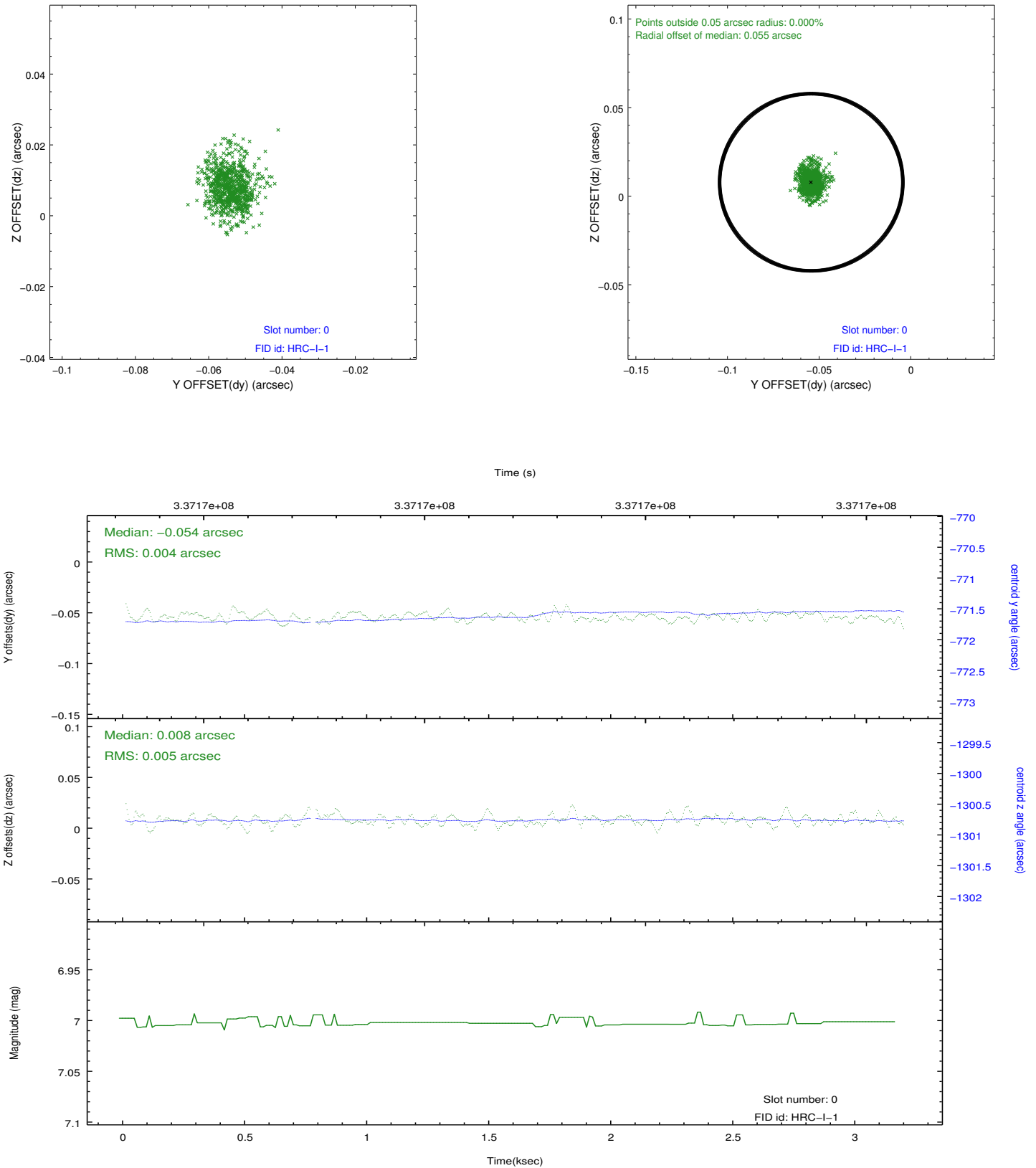


Time (s)

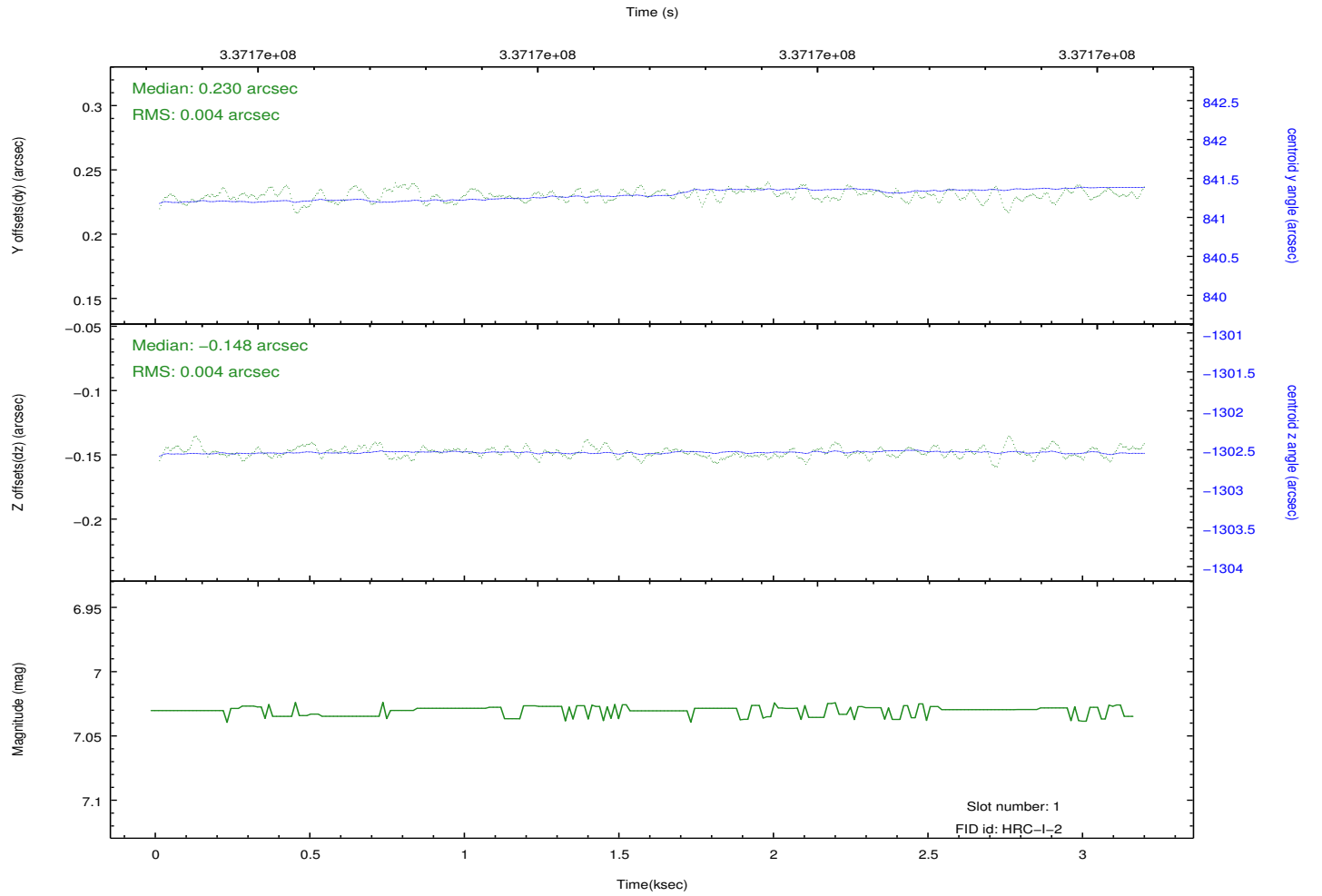
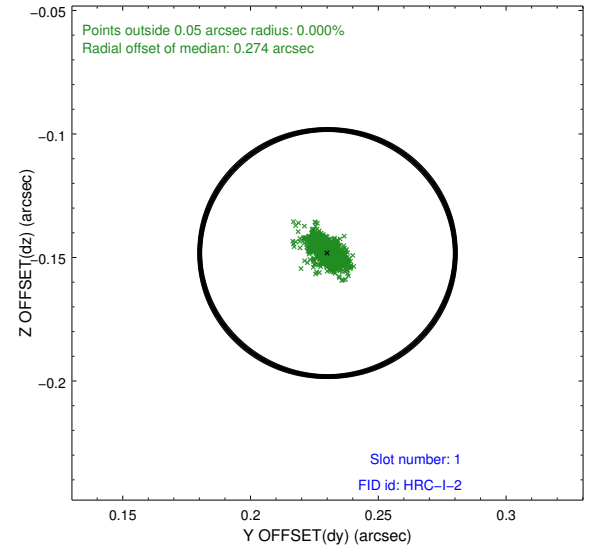
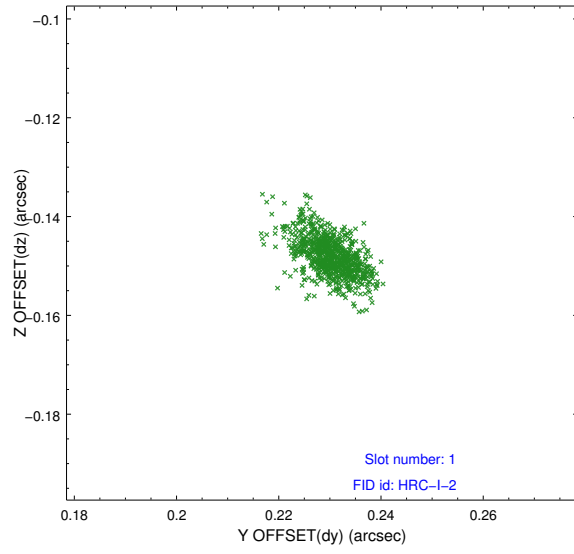


2.5 FID Slots

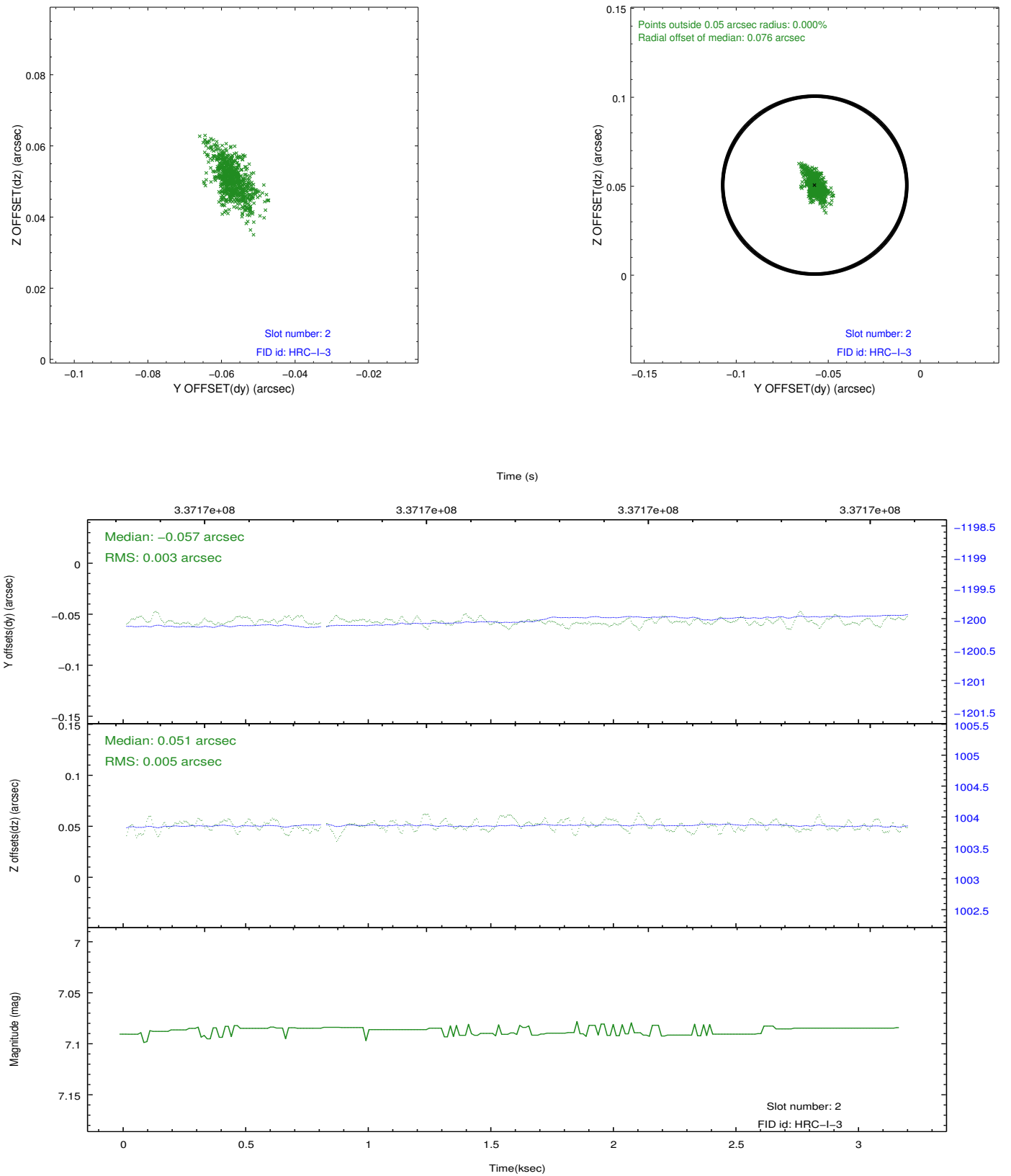
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1849314

A.2 Comments

Window constraint satisfied.