

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19832 - L2 Version 1
Chandra X-Ray Center

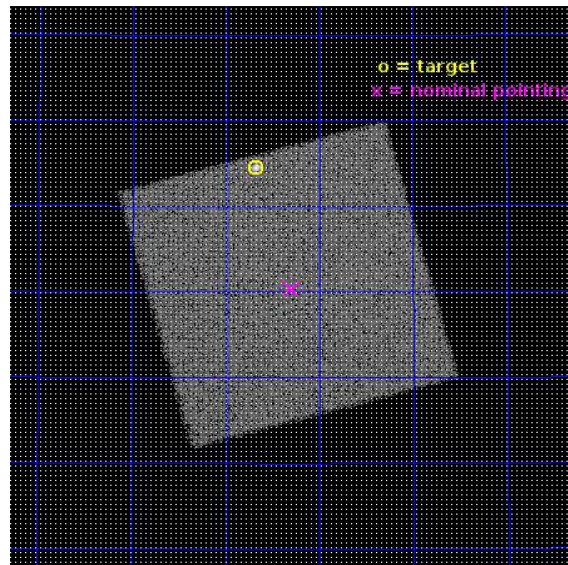
L2 Processing Date : Sep 18 2017

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1 Front

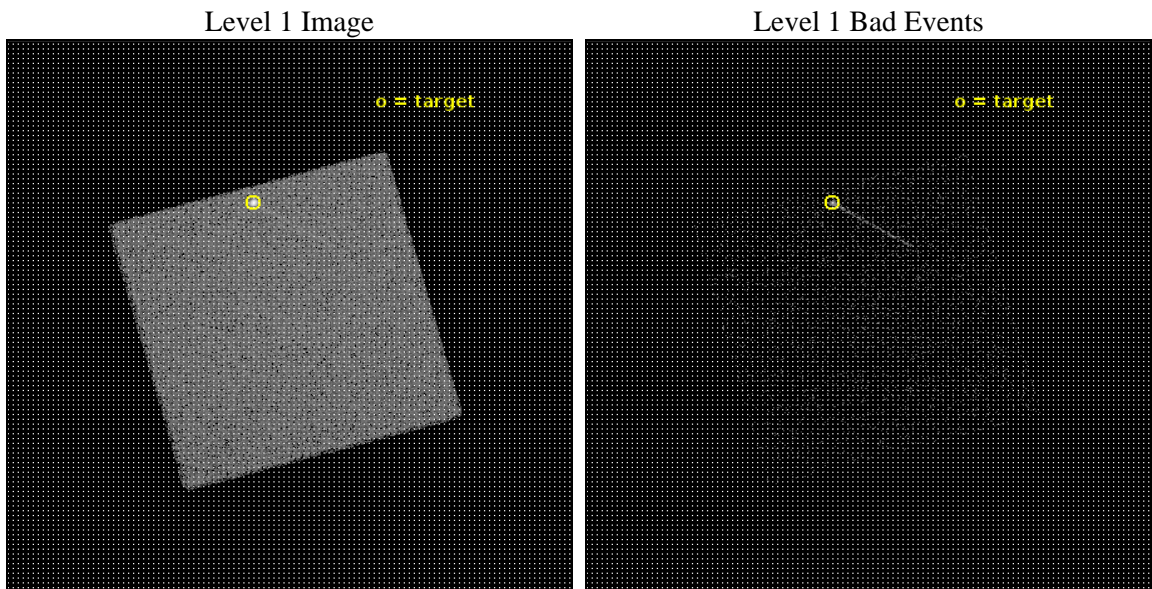
seq_num	291349	Sequence number
obs_id	19832	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07431129962	Nominal RA [deg]
dec_nom	45.506458998441	Nominal Dec [deg]
roll_nom	209.47229188247	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1169.5250685215	[s]
livetime	1155.1610797695	Ontime multiplied by DTCOR
l2events	124911	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1169.5250685215	[s]
caldbver	4.7.6	 	l1events	210862	Number of level 1 events
date	2017-09-18T03:51:54	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

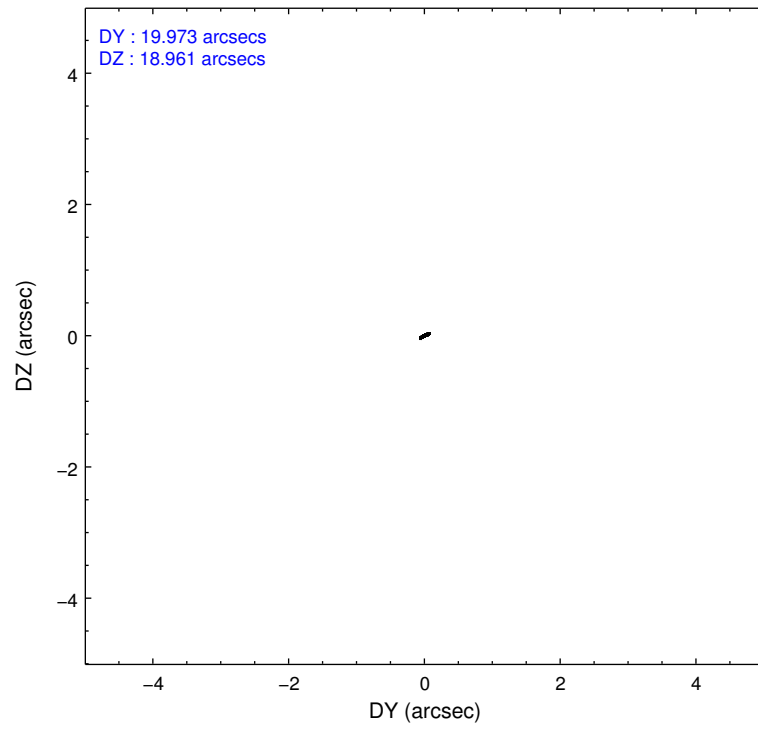
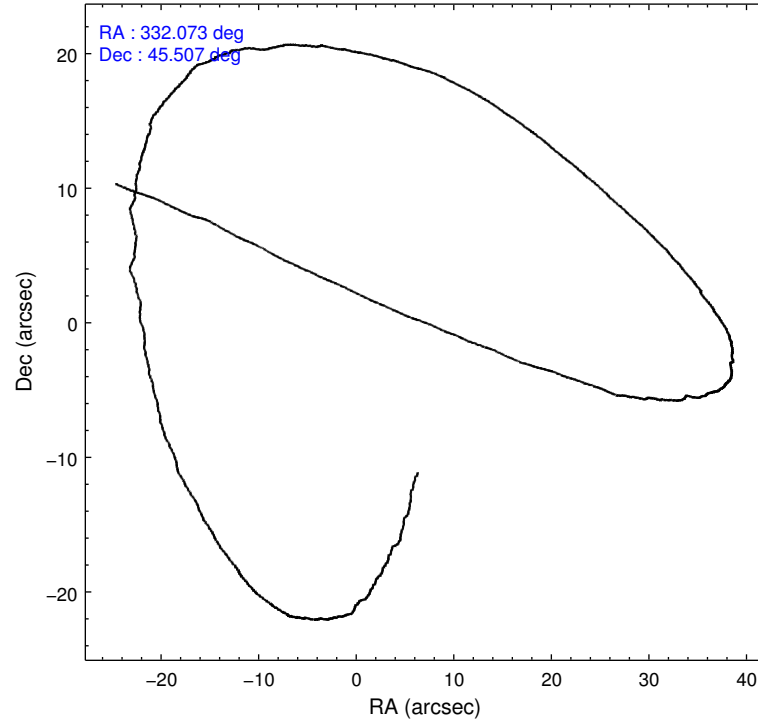
Level 1 Events

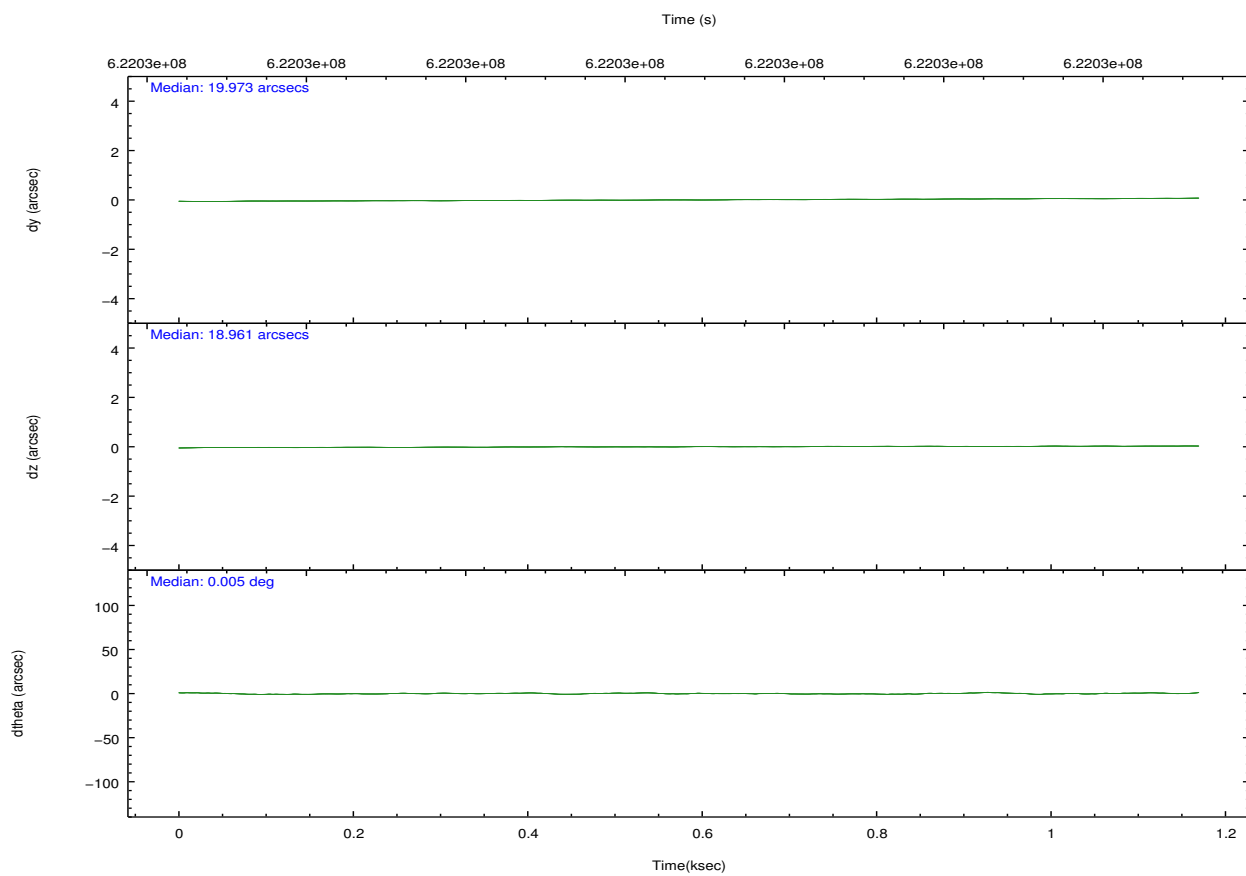
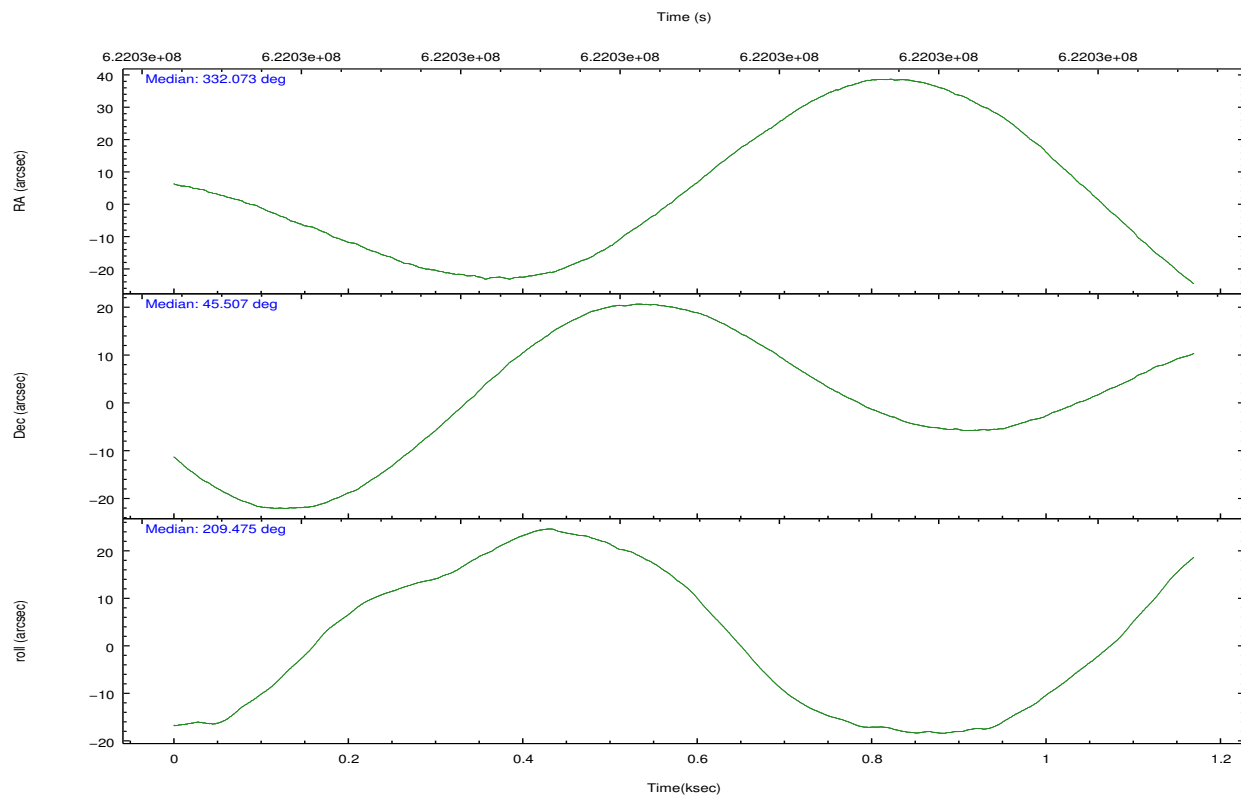
	segment 0
level 1 events	210862
rejected events	47291
rejected %	22%

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	332.092952	332.0743112996213			
[deg] Pointing Dec	45.531131	45.50645899844059			
[deg] Pointing Roll	209.554568	209.4722918824696			
[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)	622031288.184000	622030912.25447			
Observation start date	2017-09-17T10:26:59	2017-09-17T10:21:52			
[s] Observation end time (MET)	622032288.184000	622032422.59206			
Observation end date	2017-09-17T10:43:39	2017-09-17T10:47:02			

2.3 Aspect



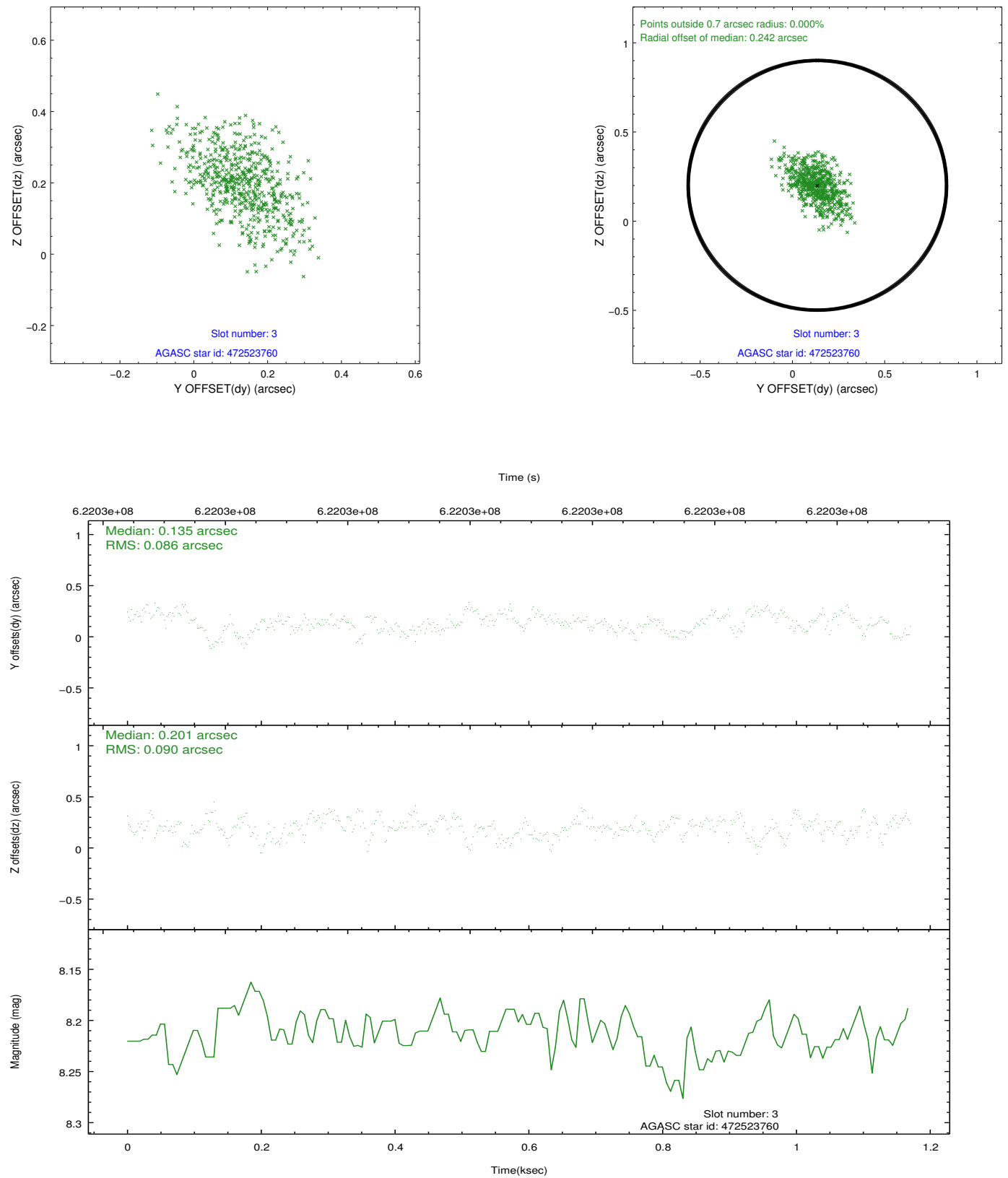


Slot Statistics

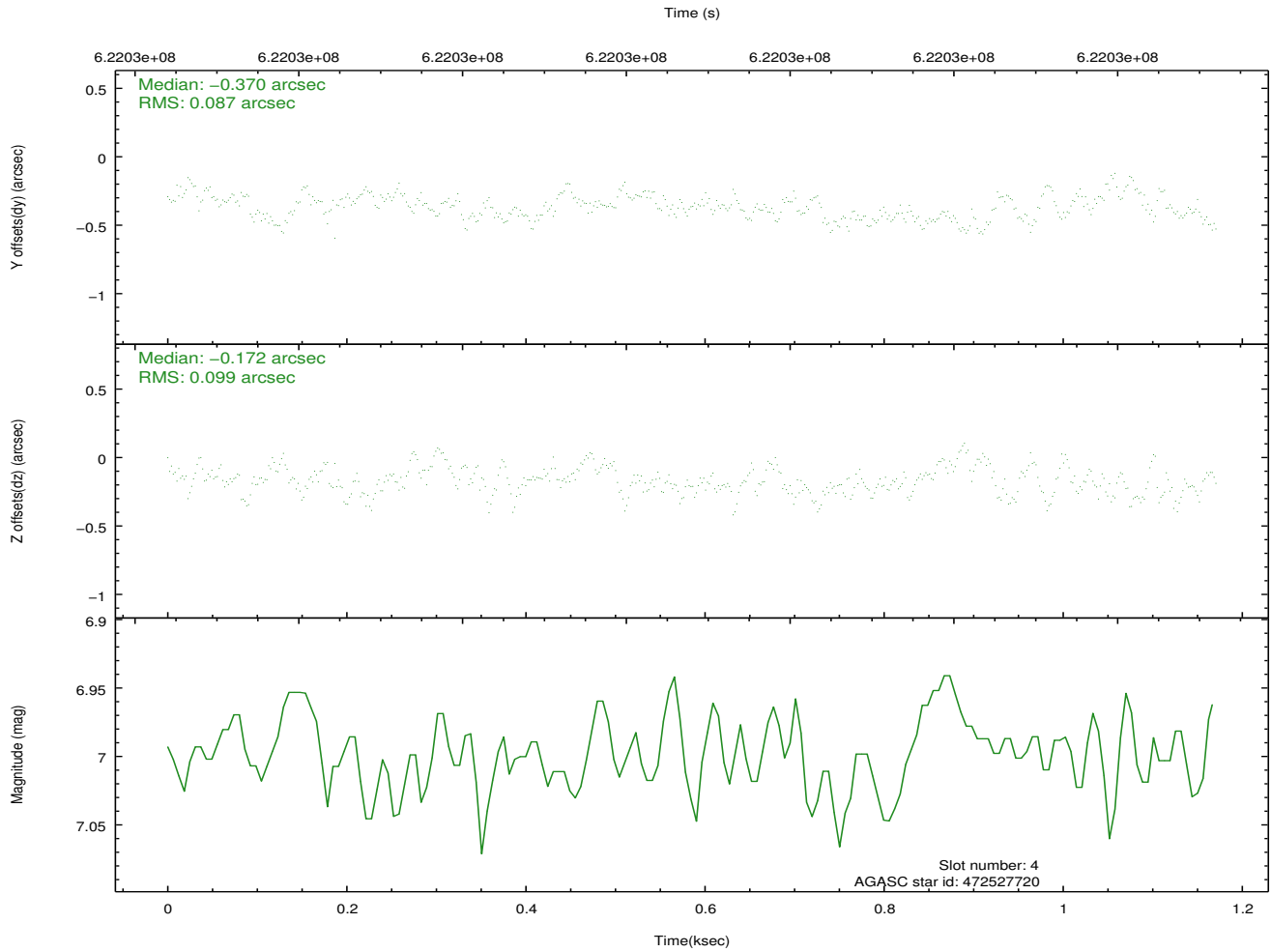
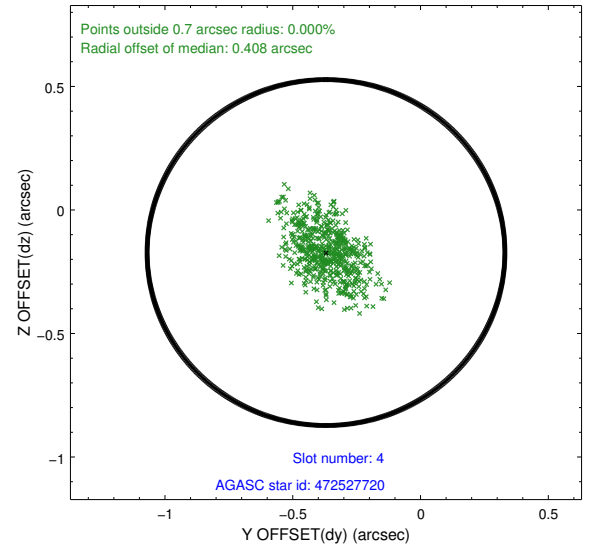
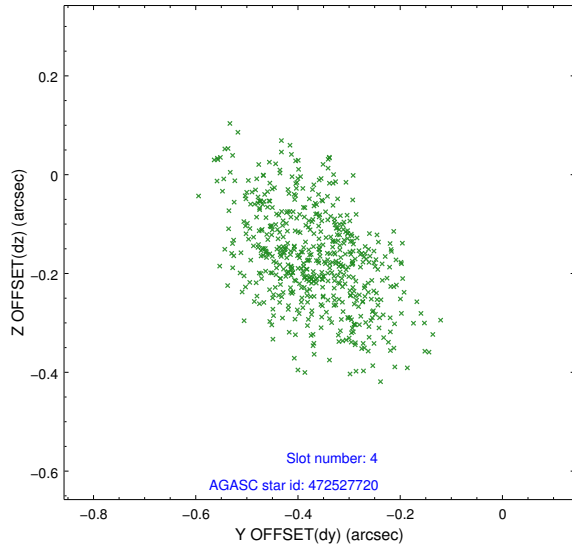
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	286	-0.210	-0.022	0.007	0.011	0.000000	0.000000	-776.05	-1307.22
1	FID		HRC-I-2	7.05	286	0.348	-0.099	0.007	0.011	0.000000	0.000000	834.43	-1313.35
2	FID		HRC-I-3	7.11	286	-0.019	0.032	0.007	0.013	0.000000	0.000000	-1201.55	992.78
3	GUIDE	used	472523760	8.21	572	0.135	0.201	0.134	0.225	331.645363	45.403260	1209.77	-163.10
4	GUIDE	used	472527720	7.00	572	-0.370	-0.172	0.144	0.237	331.460205	45.112509	2140.20	509.07
5	GUIDE	used	472651904	6.10	572	0.170	0.147	0.136	0.220	332.170077	45.742257	-539.44	-568.73
6	GUIDE	used	472655152	9.38	572	0.422	0.236	0.281	0.426	332.504239	45.862991	-1488.27	-536.34
7	GUIDE	used	420754040	9.02	571	-0.373	-0.409	0.185	0.293	331.917939	44.882543	1534.71	1806.56

2.4 Star Slots

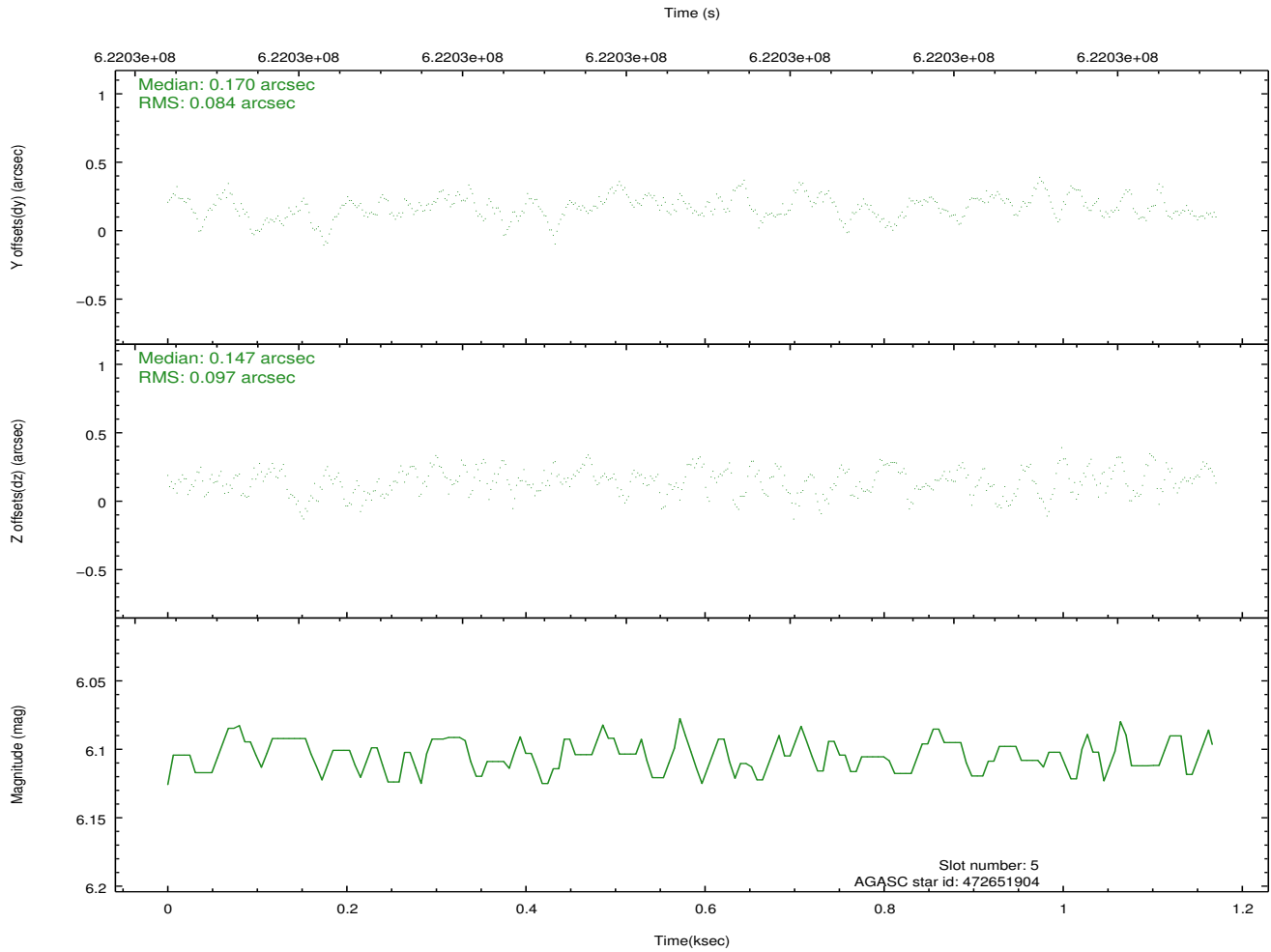
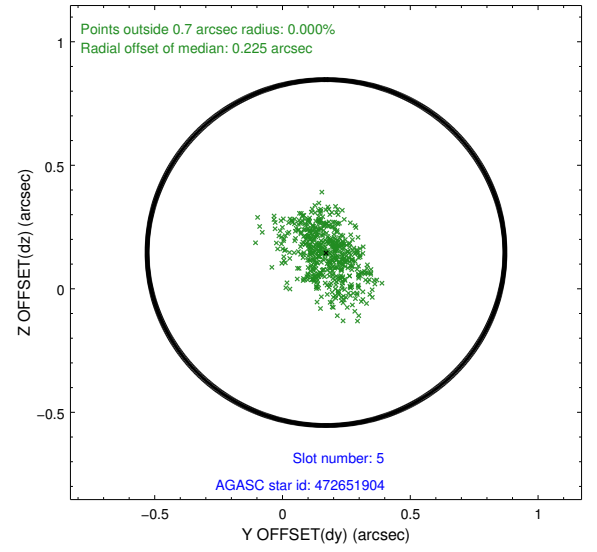
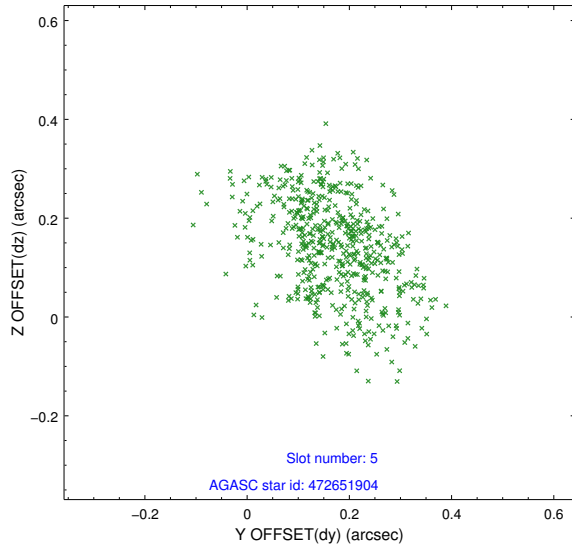
2.4.1 Slot 3



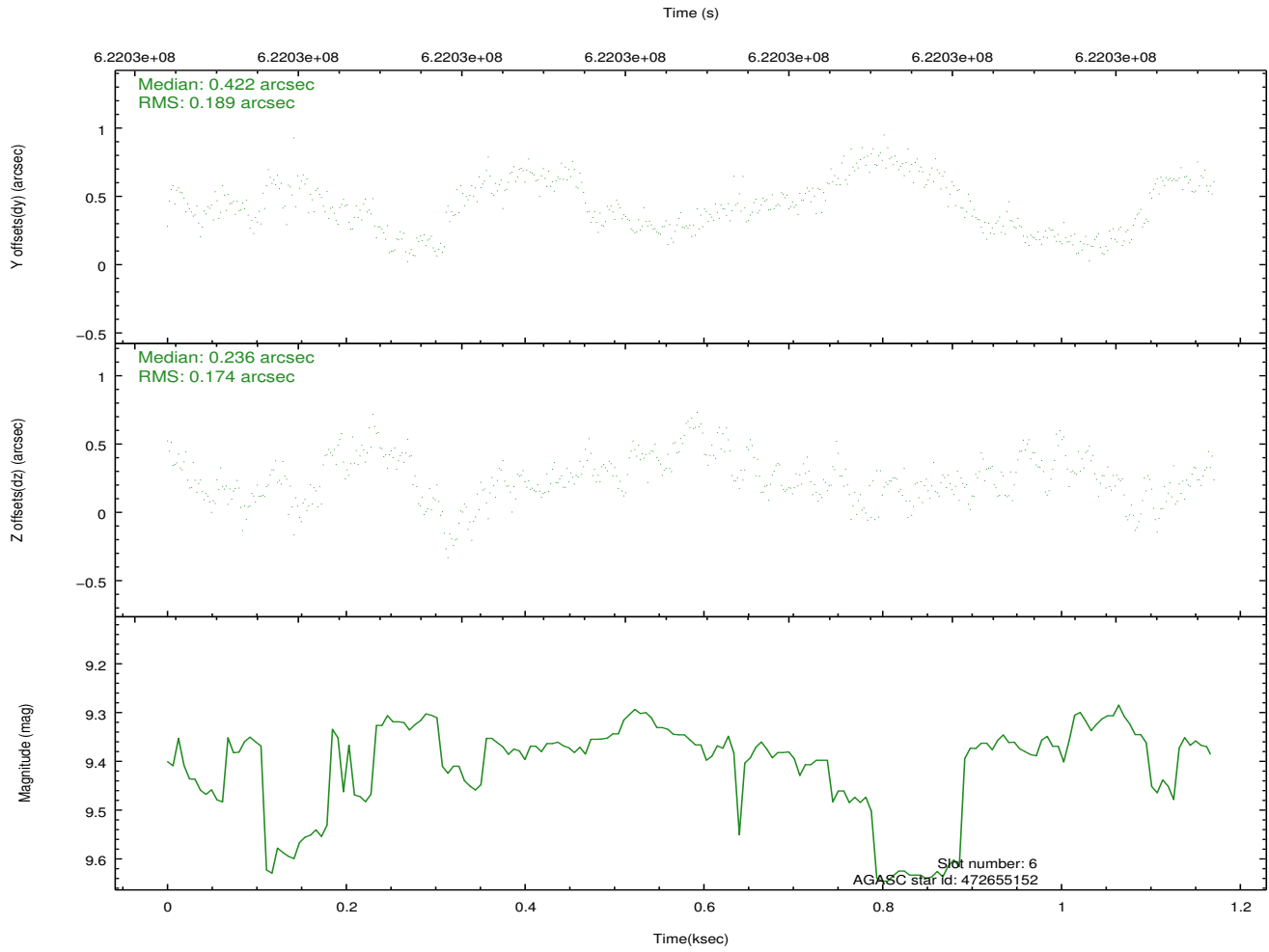
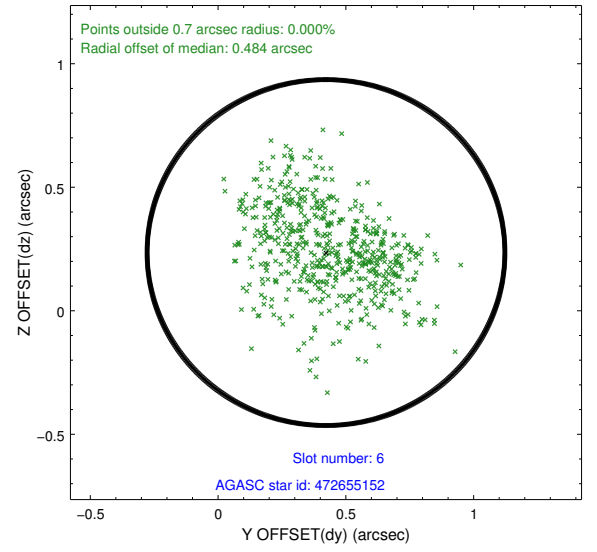
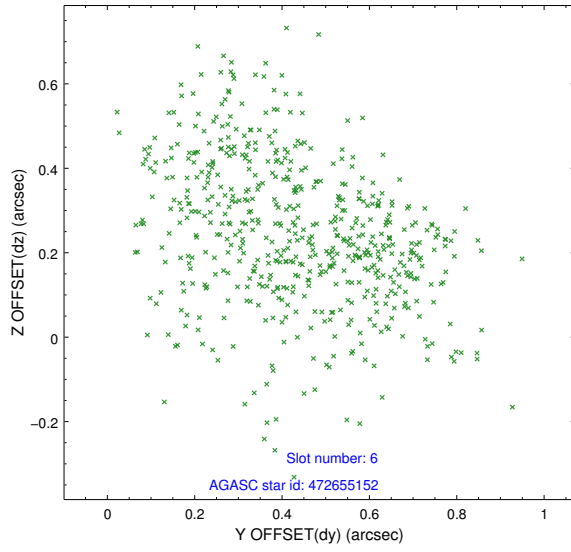
2.4.2 Slot 4



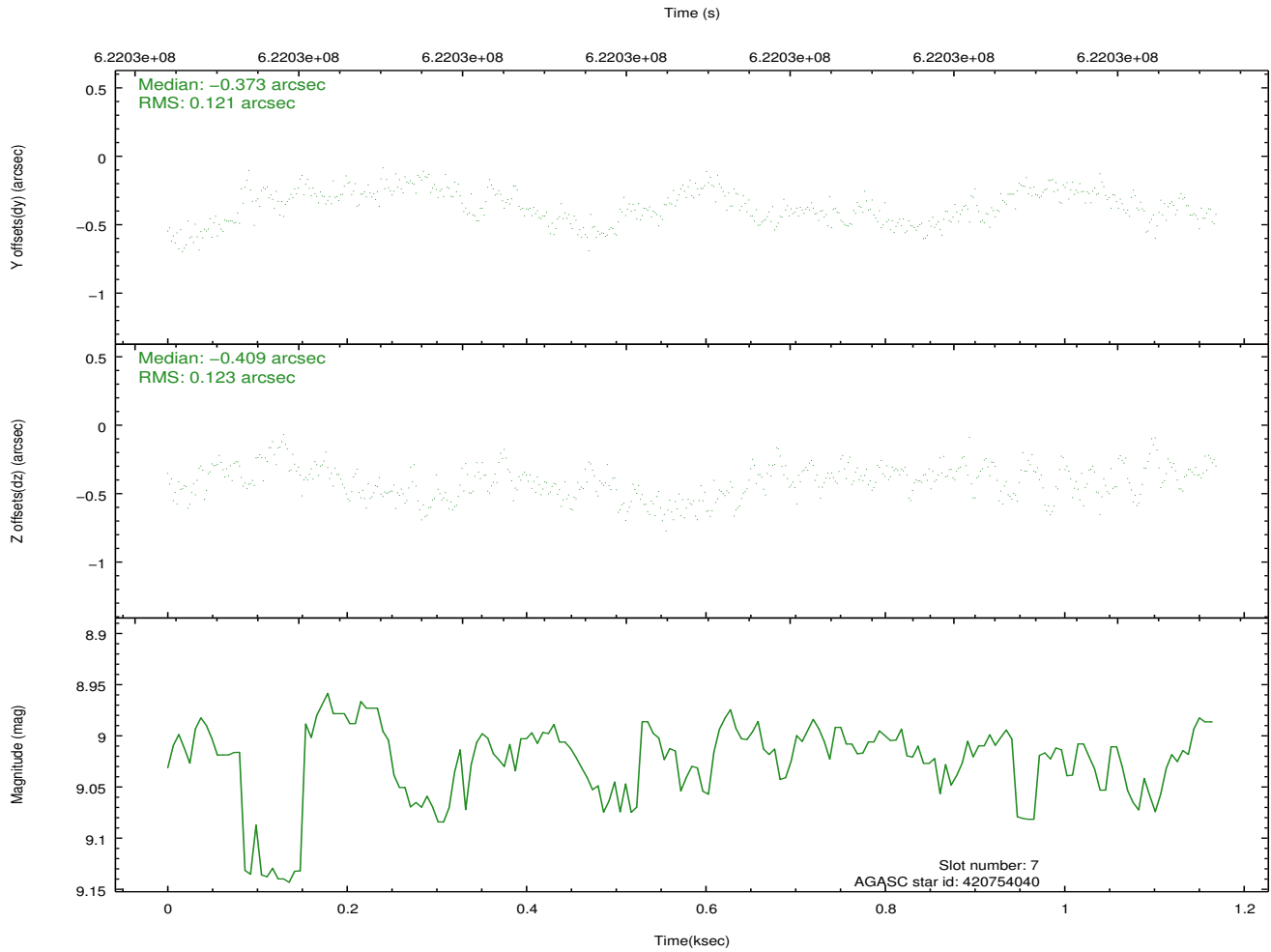
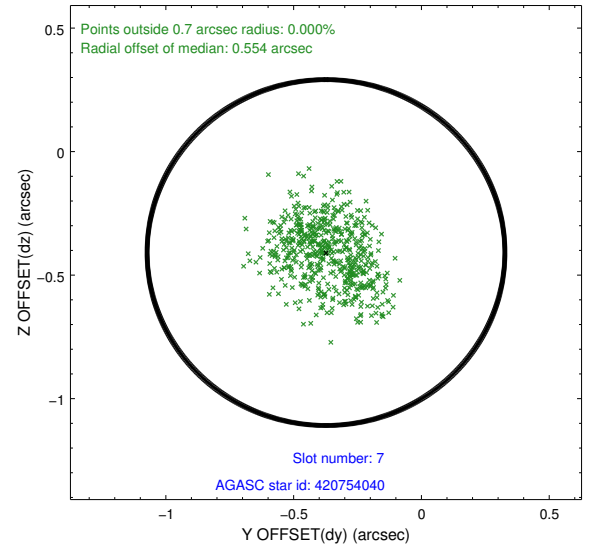
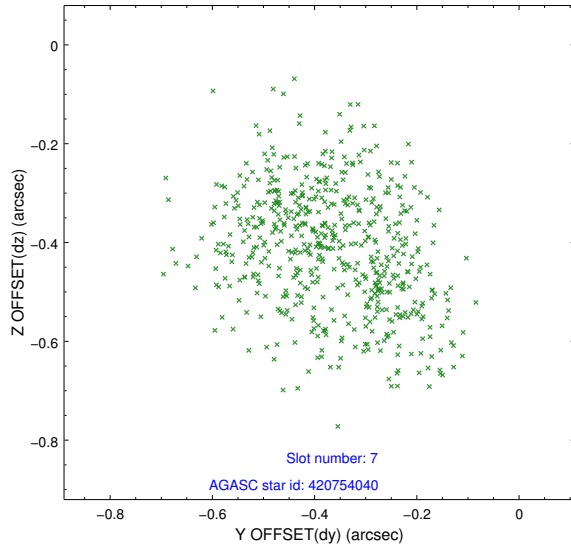
2.4.3 Slot 5



2.4.4 Slot 6

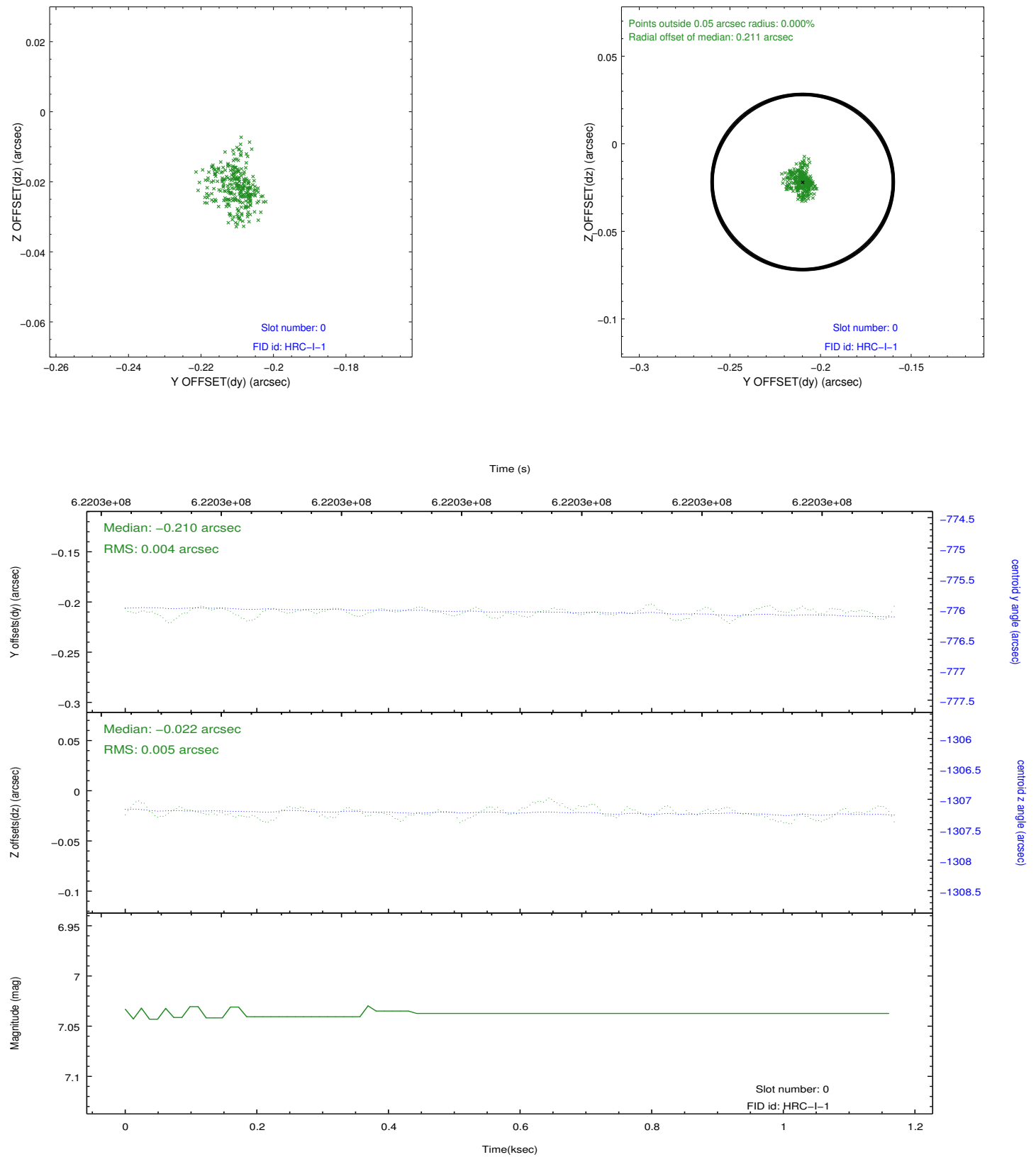


2.4.5 Slot 7

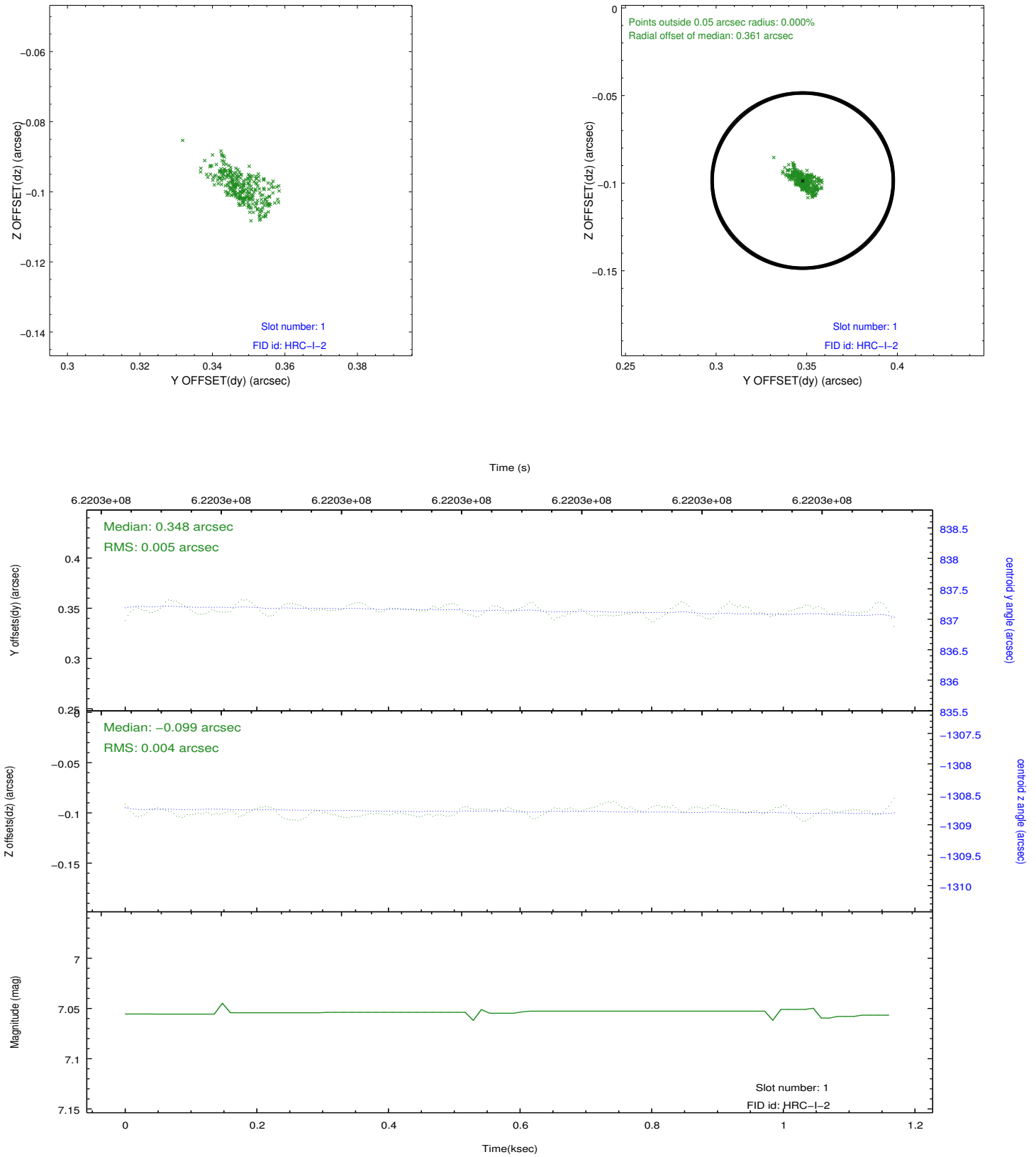


2.5 FID Slots

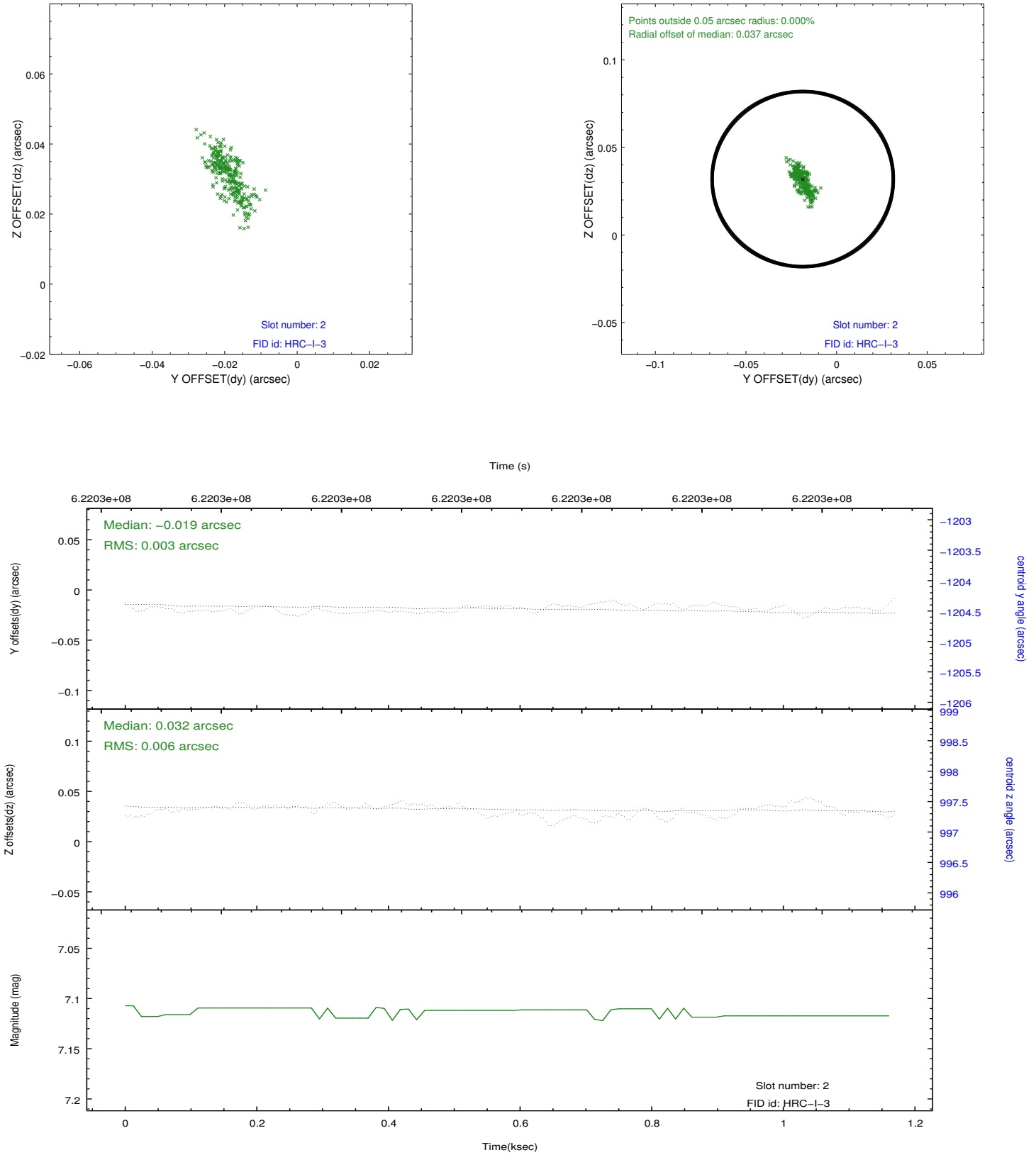
2.5.1 Slot 0



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)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1695250685215

A.2 Comments