

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19819 - L2 Version 1
Chandra X-Ray Center

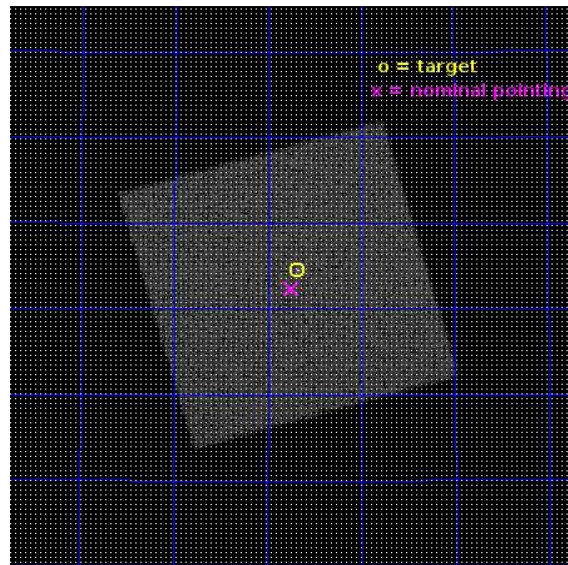
L2 Processing Date : Sep 17 2017

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1 Front

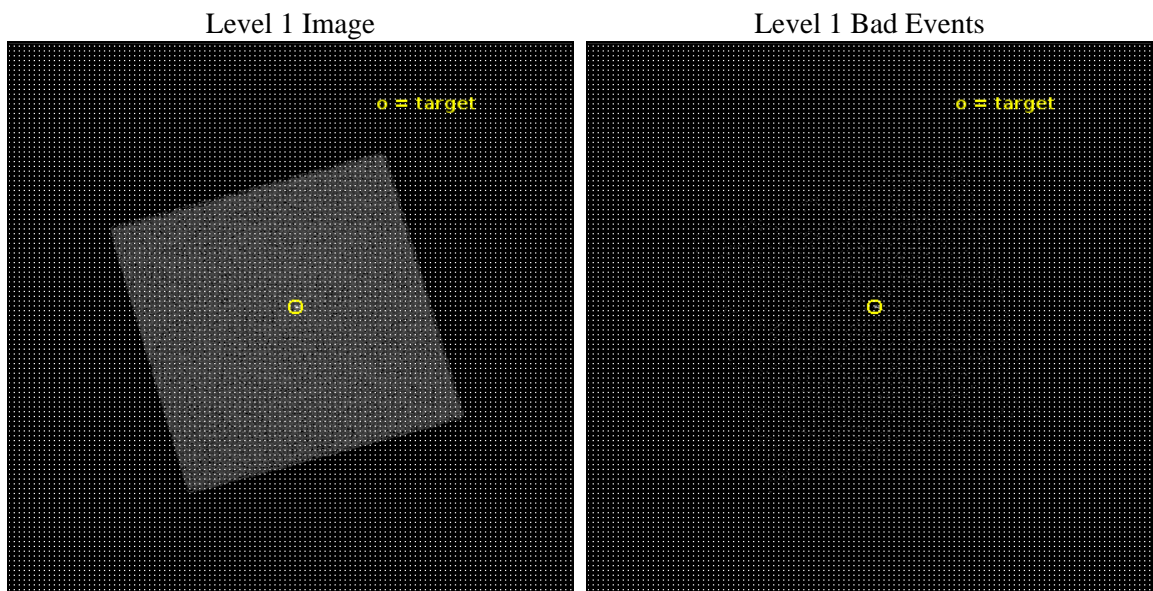
seq_num	291336	Sequence number
obs_id	19819	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18654394145	Nominal RA [deg]
dec_nom	45.706457202544	Nominal Dec [deg]
roll_nom	208.97167480531	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.8313186169	[s]
livetime	1157.0577622111	Ontime multiplied by DTCOR
l2events	129776	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	1171.8313186169	[s]
caldsver	4.7.6	 	l1events	217656	Number of level 1 events
date	2017-09-17T15:26:59	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

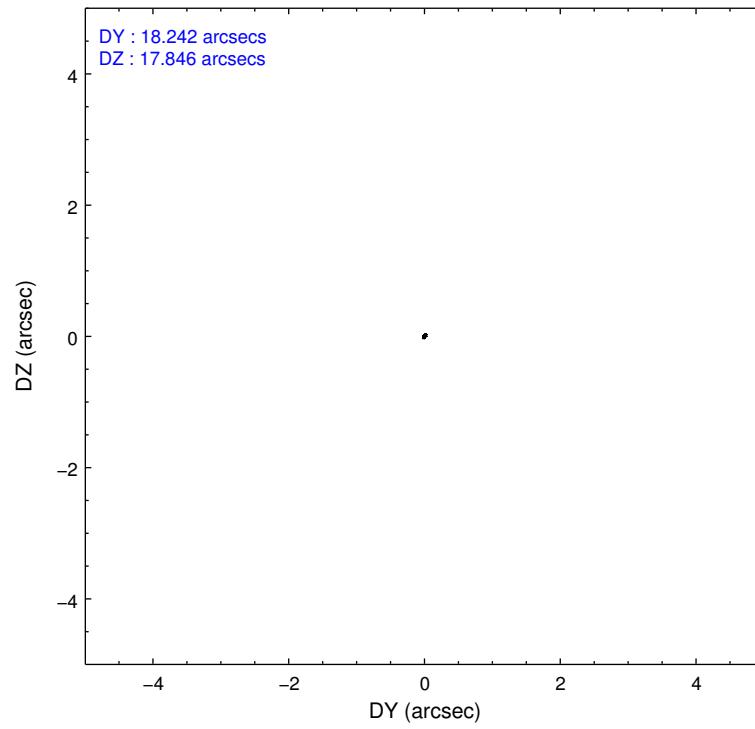
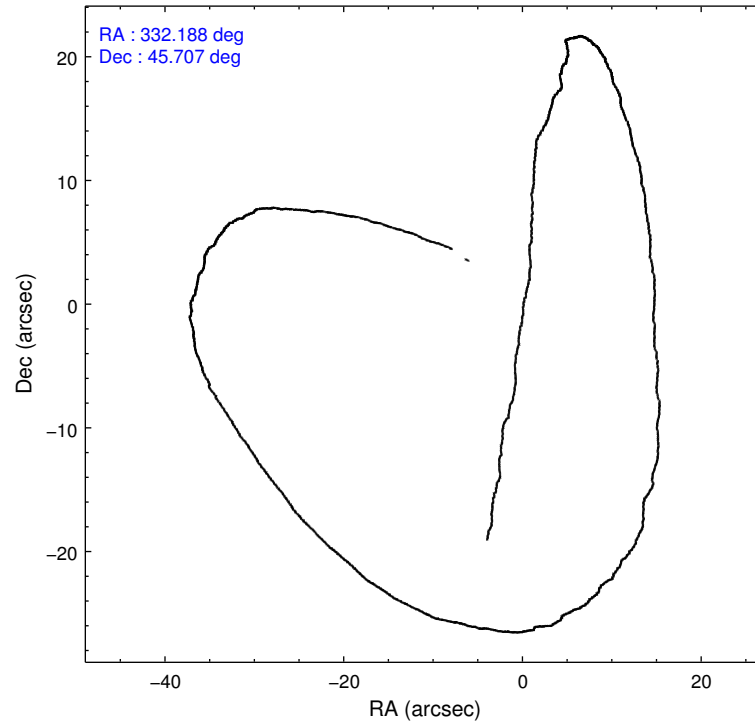
	segment 0
level 1 events	217656
rejected events	48217
rejected %	22%

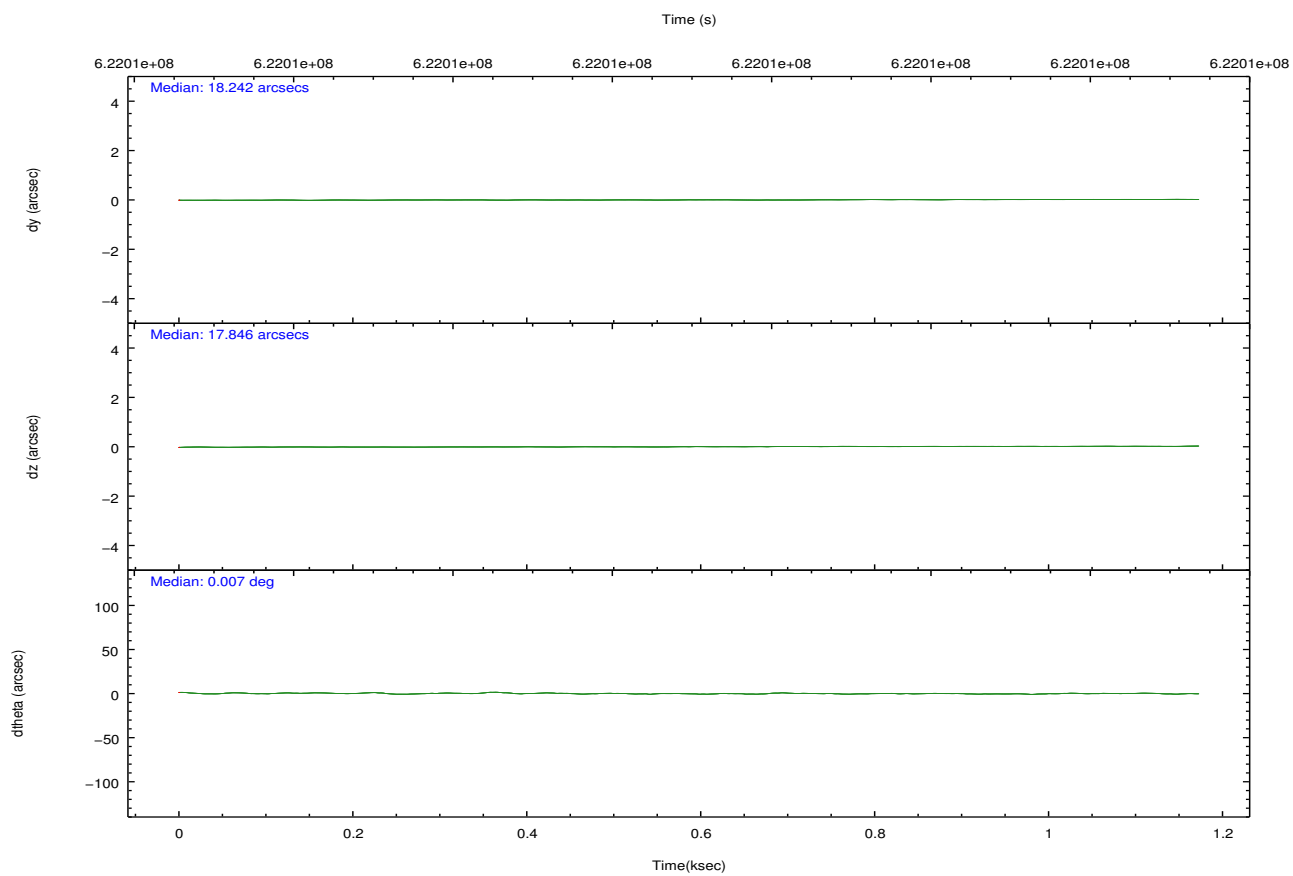
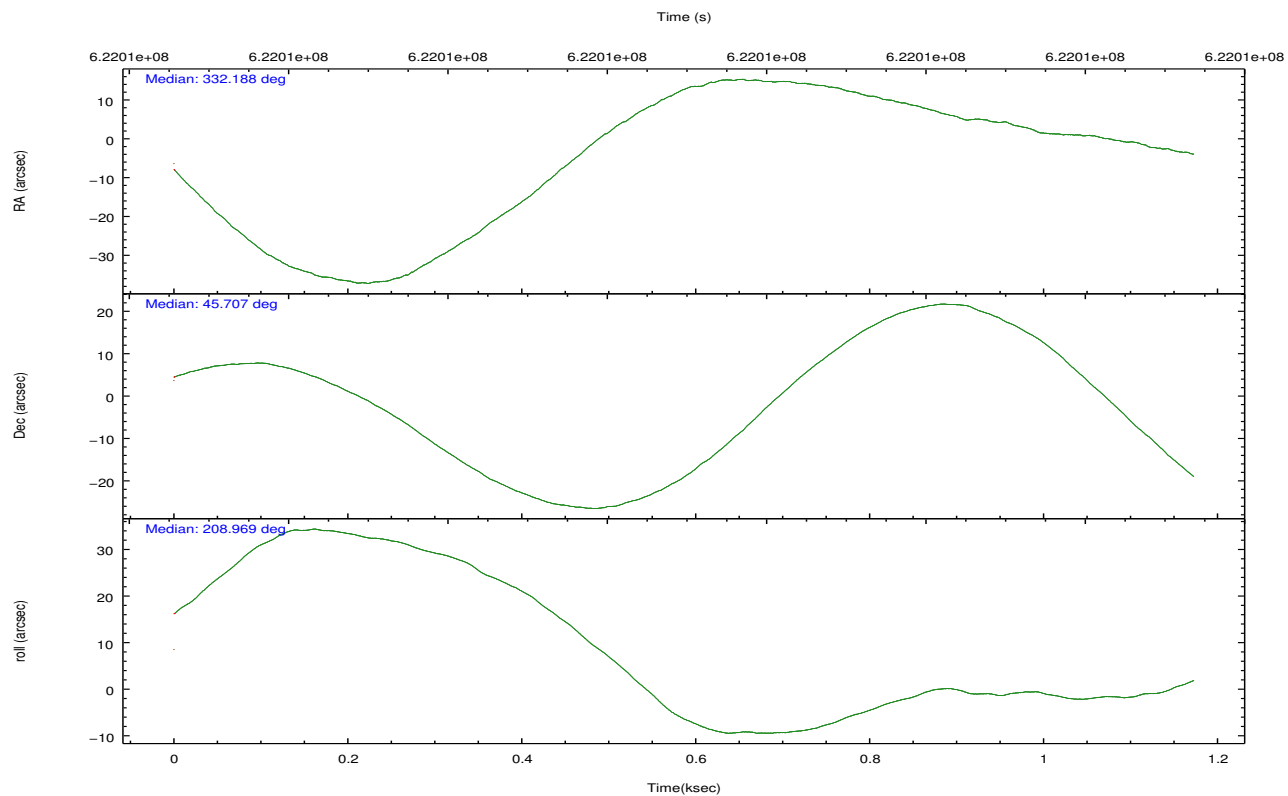
2.2 Compared Parameters

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	332.206631	332.1865439414508
[deg] Pointing Dec	45.729409	45.70645720254353
[deg] Pointing Roll	209.052712	208.9716748053083
[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)	622011658.184000	622011282.47833
Observation start date	2017-09-17T04:59:49	2017-09-17T04:54:42
[s] Observation end time (MET)	622012658.184000	622012792.3034101
Observation end date	2017-09-17T05:16:29	2017-09-17T05:19:52

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

2.3 Aspect



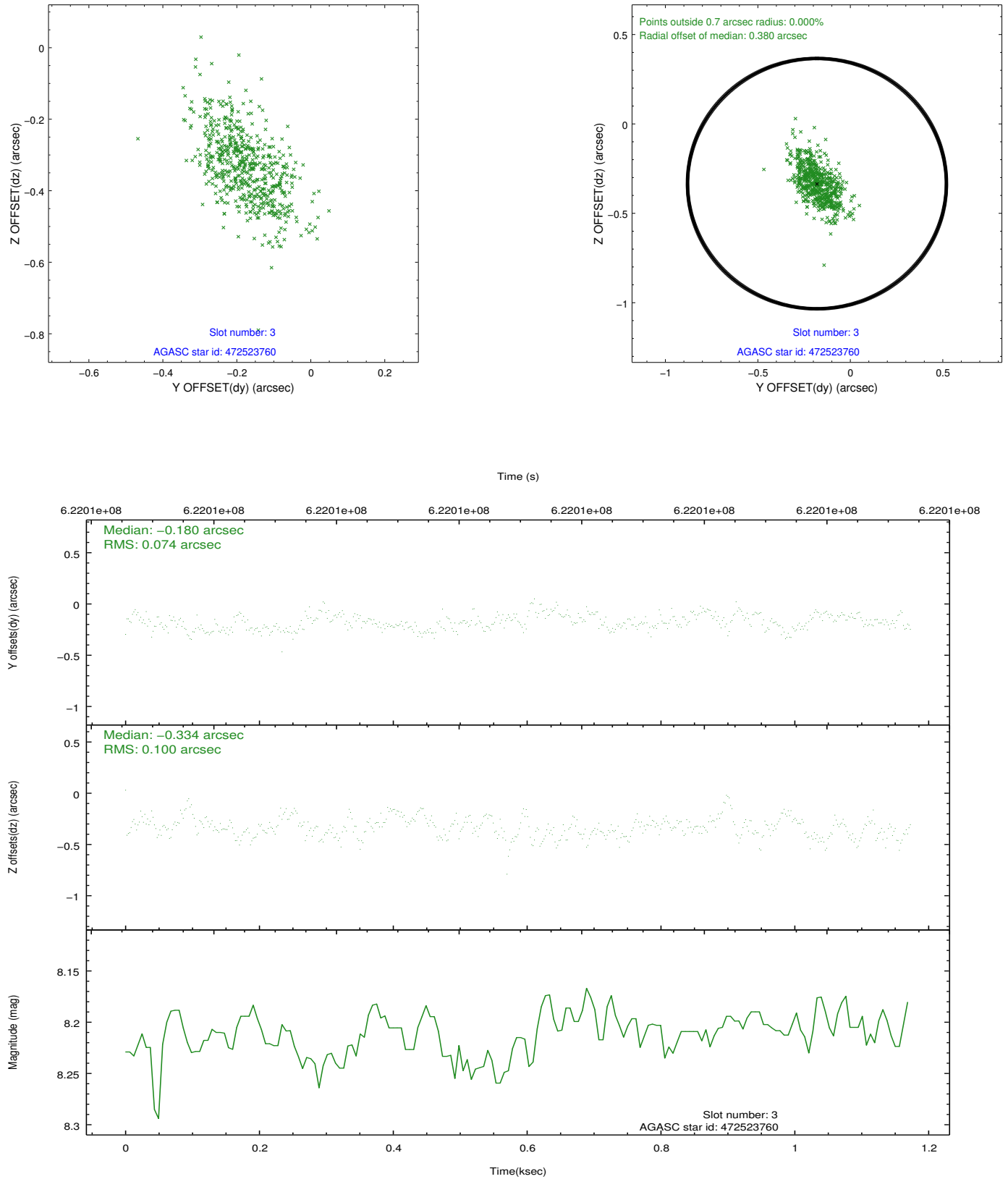


Slot Statistics

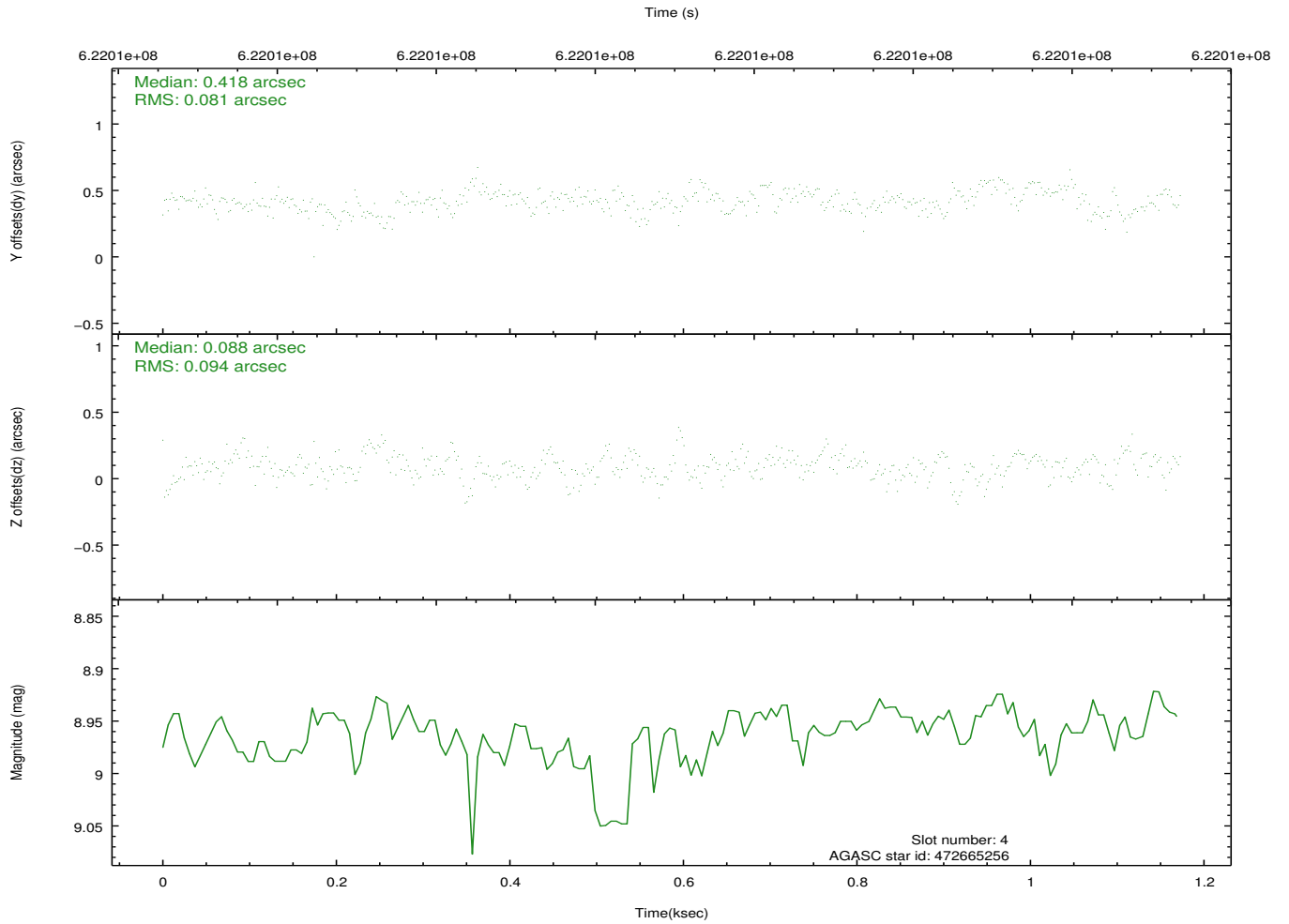
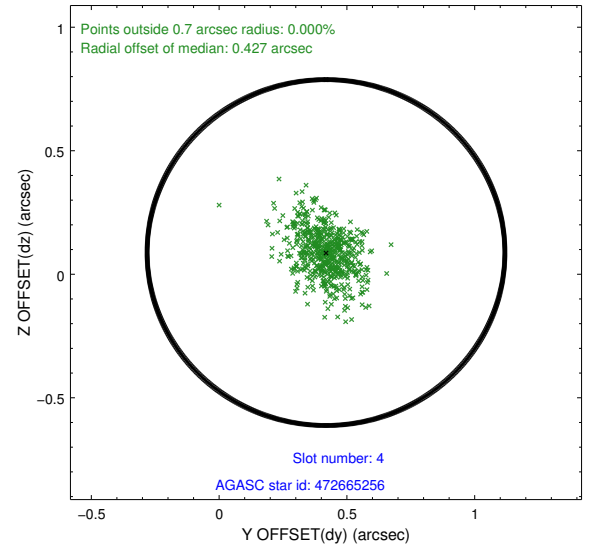
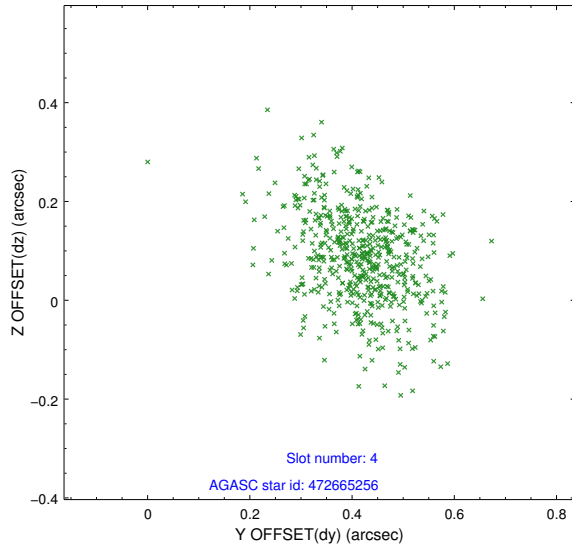
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.186	0.012	0.006	0.012	0.000000	0.000000	-774.28	-1306.02
1	FID		HRC-I-2	7.05	287	0.372	-0.161	0.007	0.011	0.000000	0.000000	836.21	-1312.27
2	FID		HRC-I-3	7.11	287	-0.067	0.058	0.006	0.011	0.000000	0.000000	-1199.80	994.00
3	GUIDE	used	472523760	8.21	573	-0.180	-0.334	0.124	0.223	331.645363	45.403260	1808.09	336.27
4	GUIDE	used	472665256	8.96	571	0.418	0.088	0.127	0.222	332.808125	46.195041	-2123.38	-738.29
5	GUIDE	used	472525528	6.64	573	-0.813	-0.148	0.124	0.238	331.551102	45.248694	2285.11	702.12
6	GUIDE	used	472663080	9.33	572	0.544	0.236	0.165	0.267	332.652741	46.473840	-2265.19	-1803.51
7	GUIDE	used	472659832	9.39	571	0.043	0.173	0.174	0.292	332.780399	46.098139	-1903.00	-468.85

2.4 Star Slots

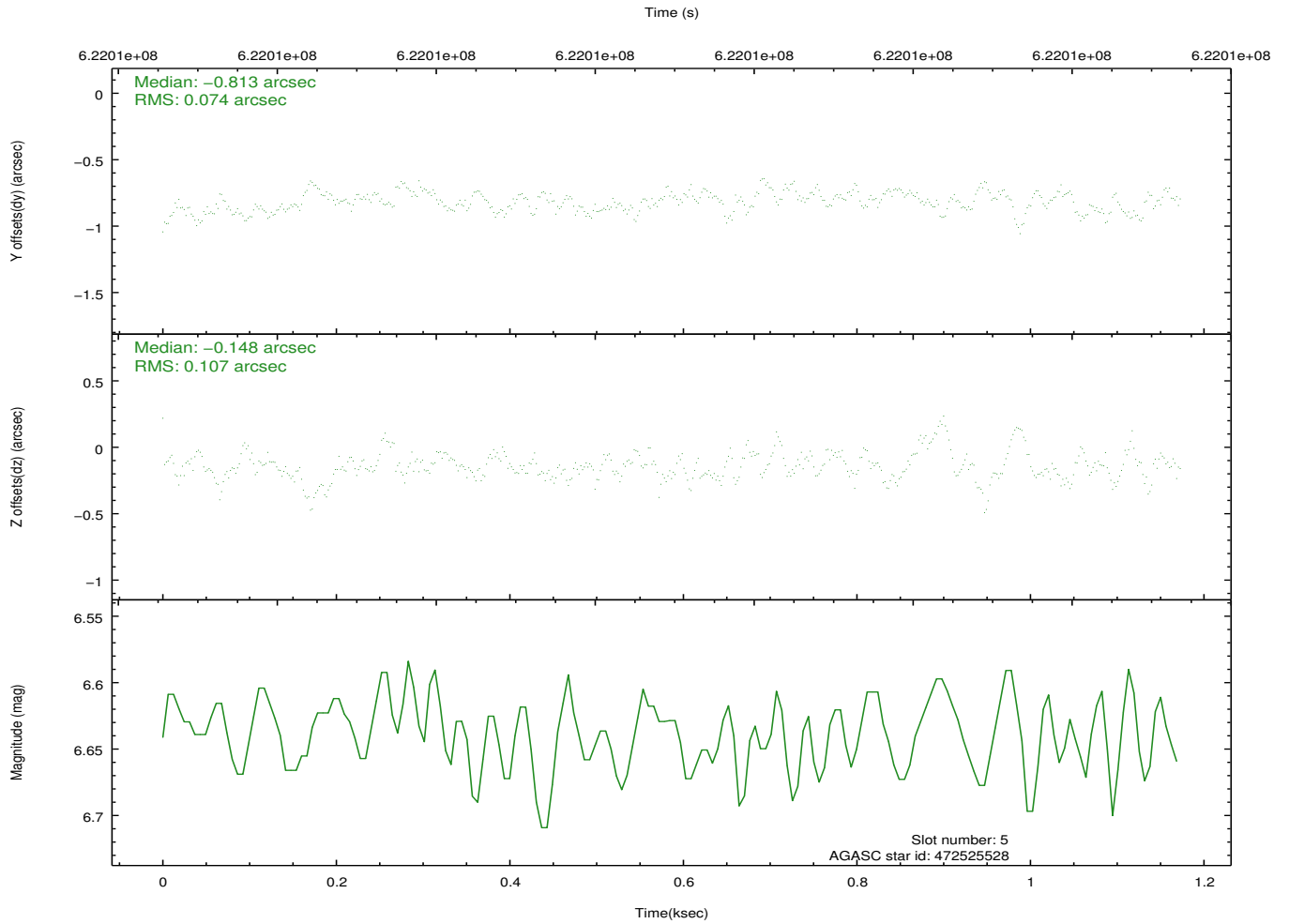
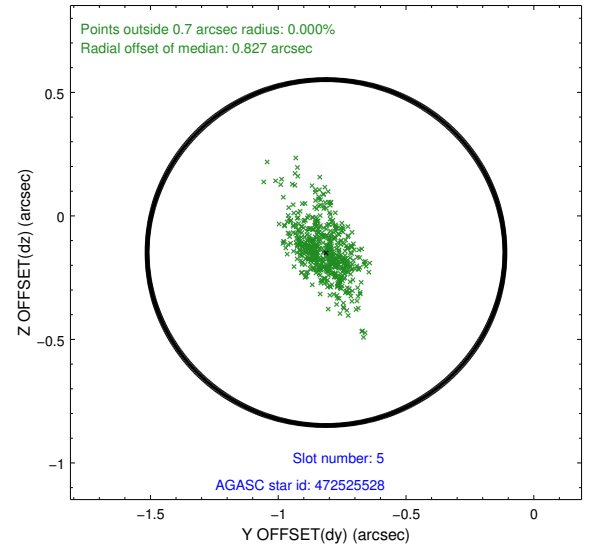
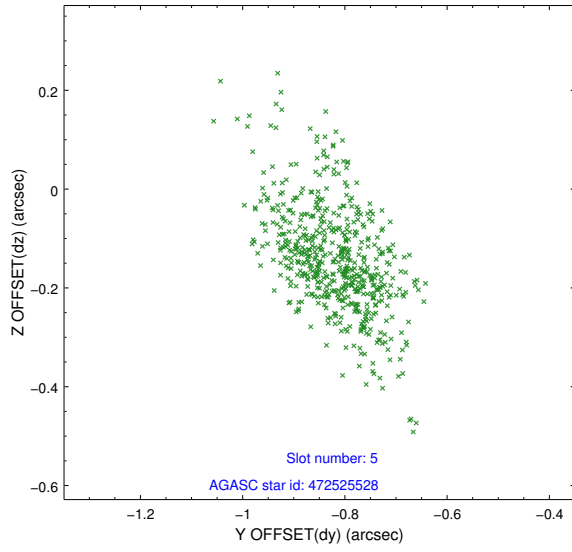
2.4.1 Slot 3



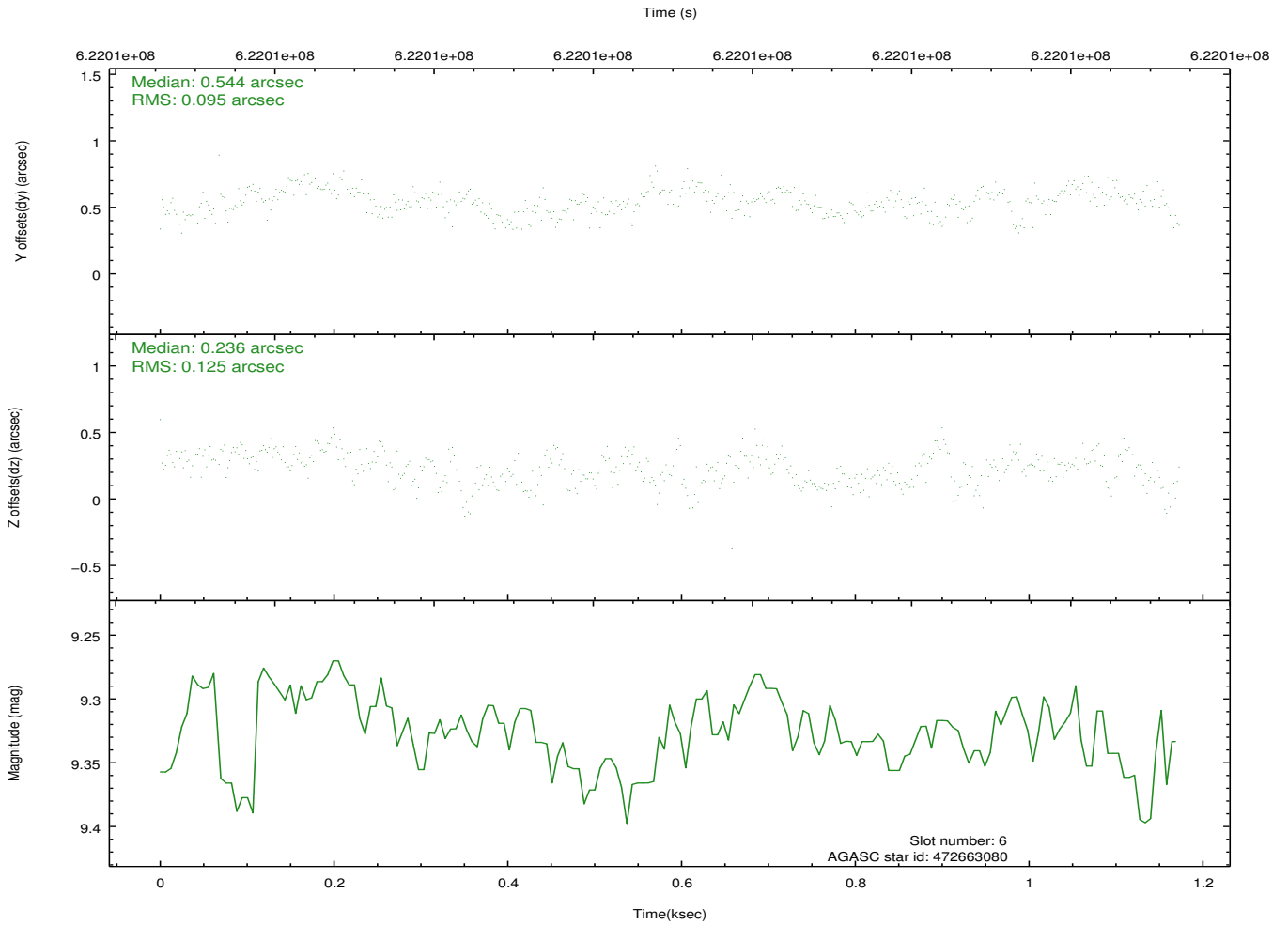
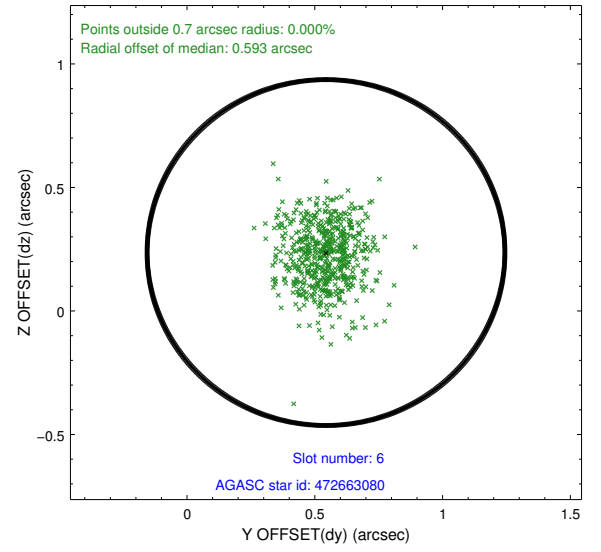
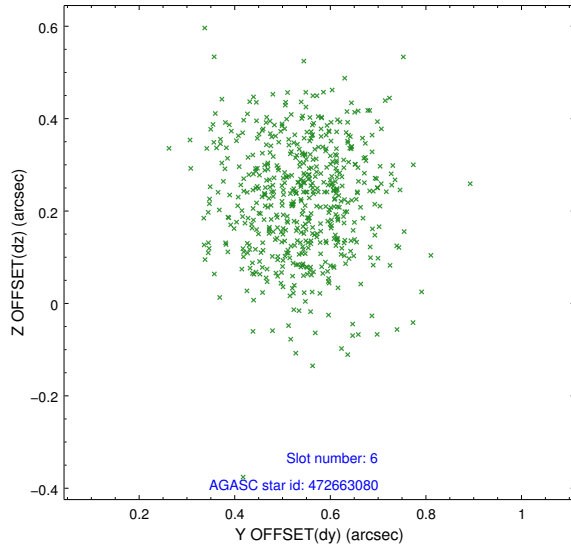
2.4.2 Slot 4



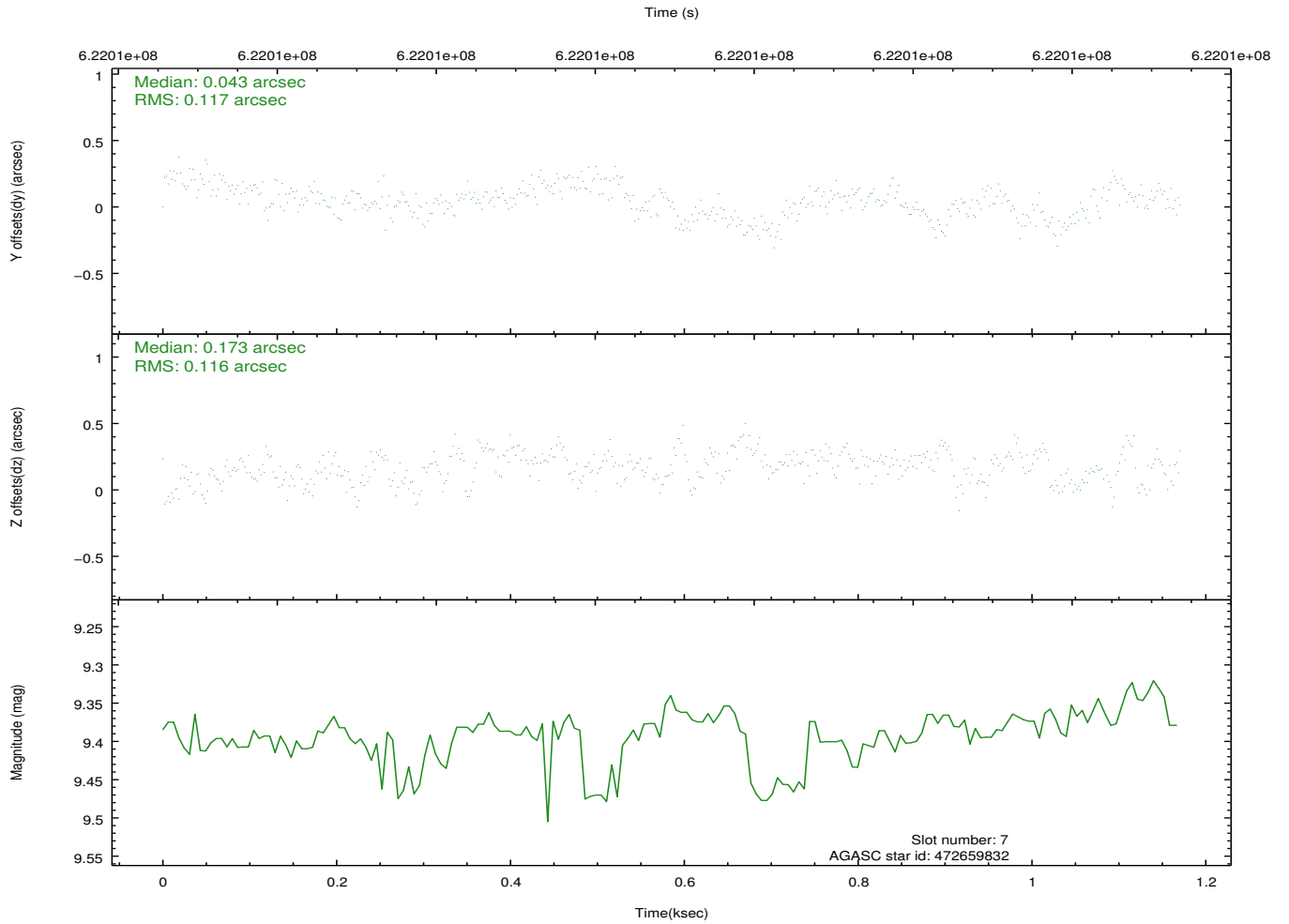
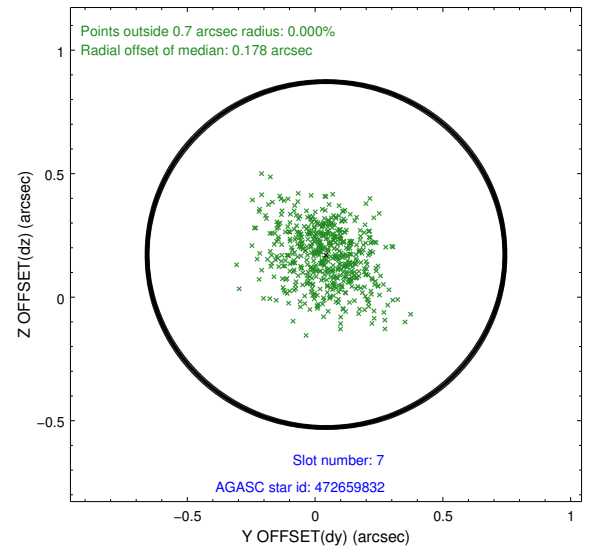
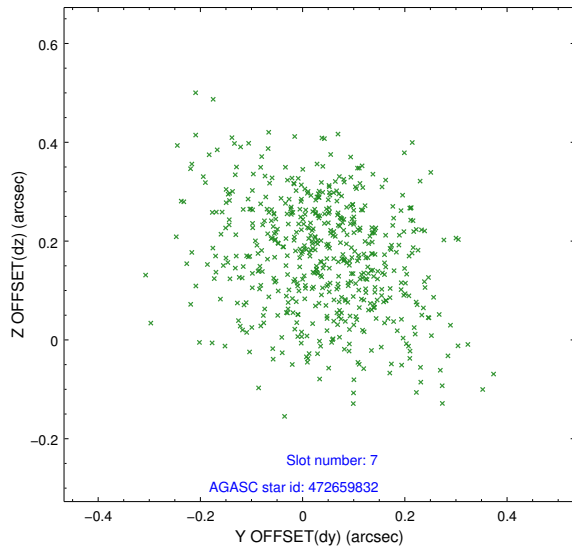
2.4.3 Slot 5



2.4.4 Slot 6

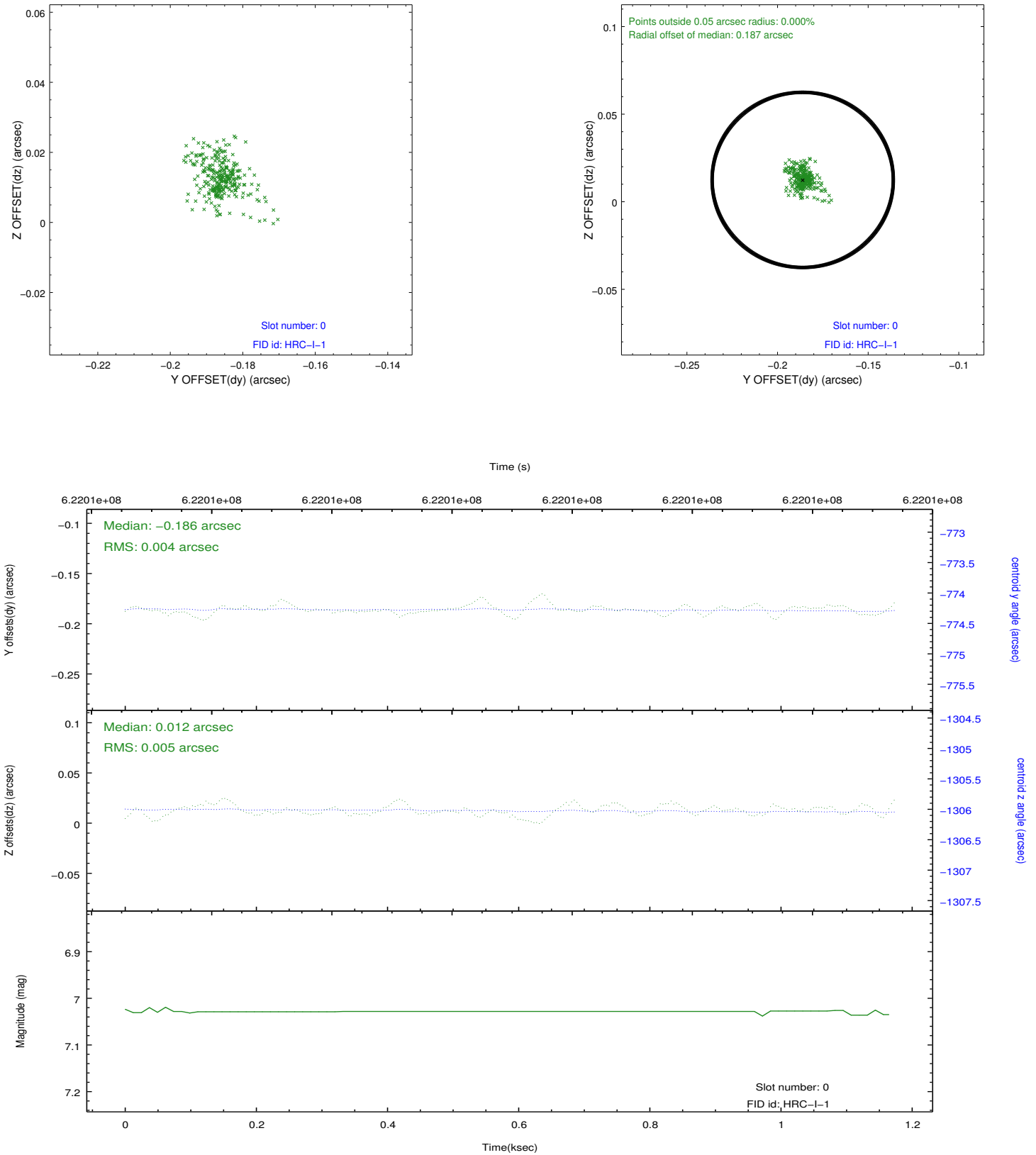


2.4.5 Slot 7

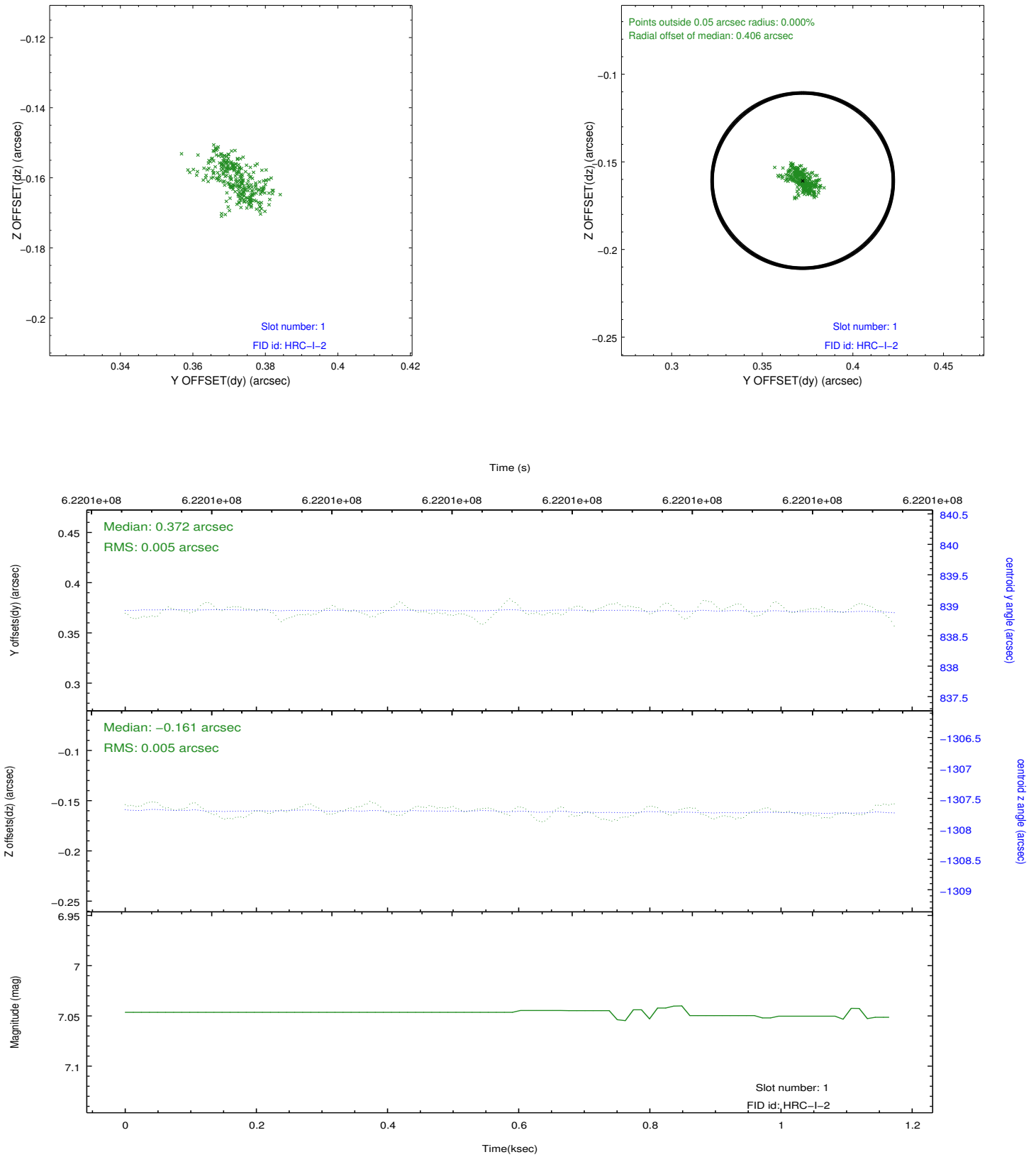


2.5 FID Slots

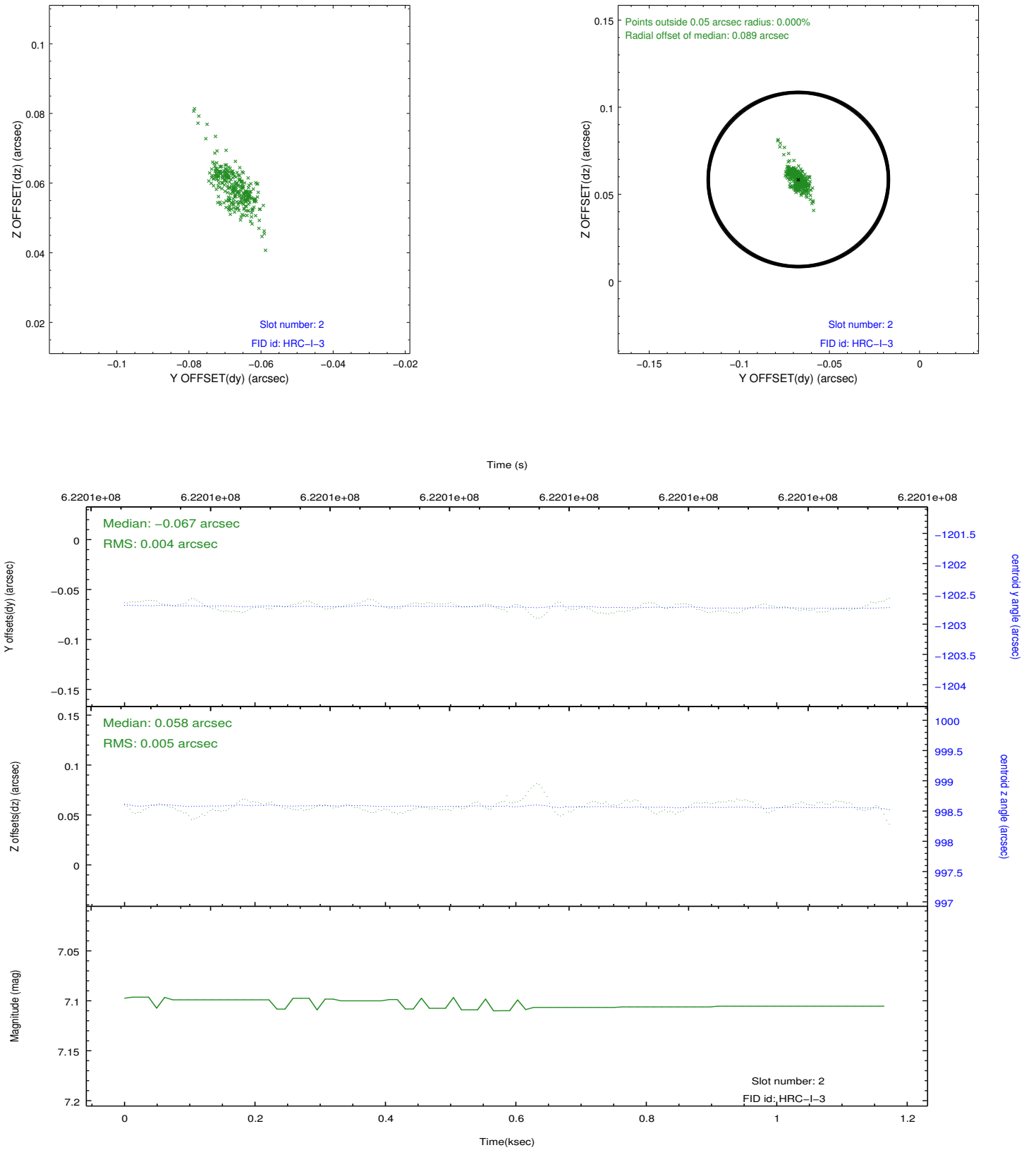
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1718313186169

A.2 Comments