

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19822 - L2 Version 1
Chandra X-Ray Center

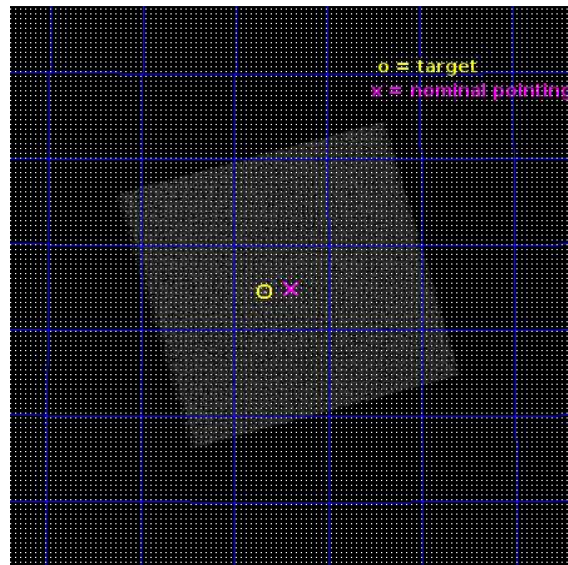
L2 Processing Date : Sep 17 2017

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

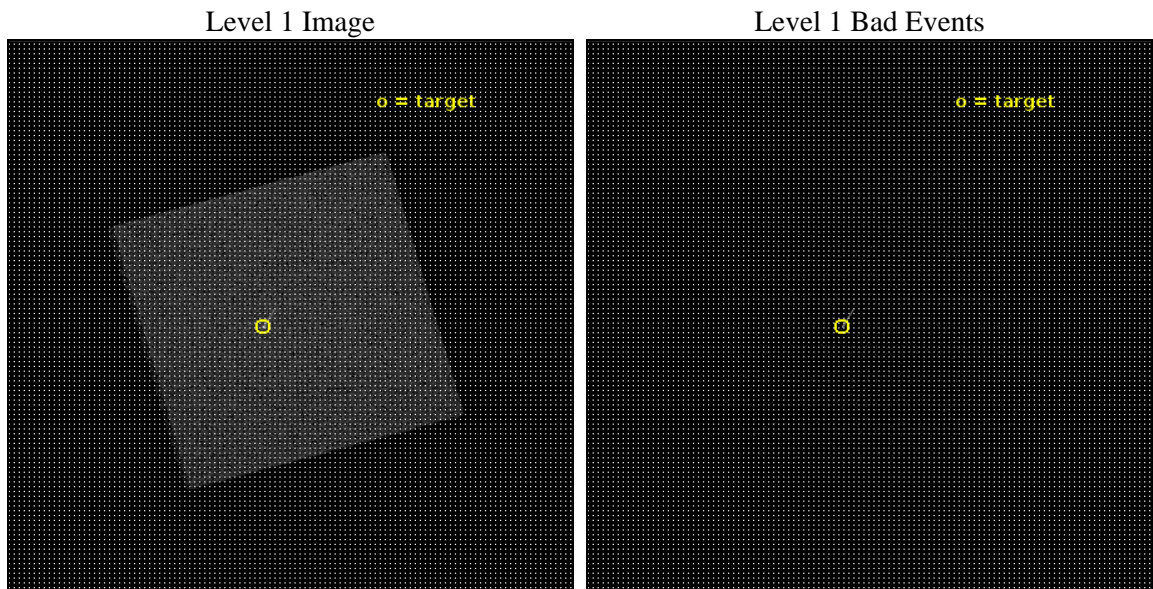
seq_num	291339	Sequence number
obs_id	19822	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09770911294	Nominal RA [deg]
dec_nom	45.74835653424	Nominal Dec [deg]
roll_nom	209.12772809595	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.725069046	[s]
livetime	1163.0429272938	Ontime multiplied by DTCOR
l2events	128929	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	1177.725069046	[s]
caldsver	4.7.6	 	l1events	216212	Number of level 1 events
date	2017-09-17T15:29:06	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

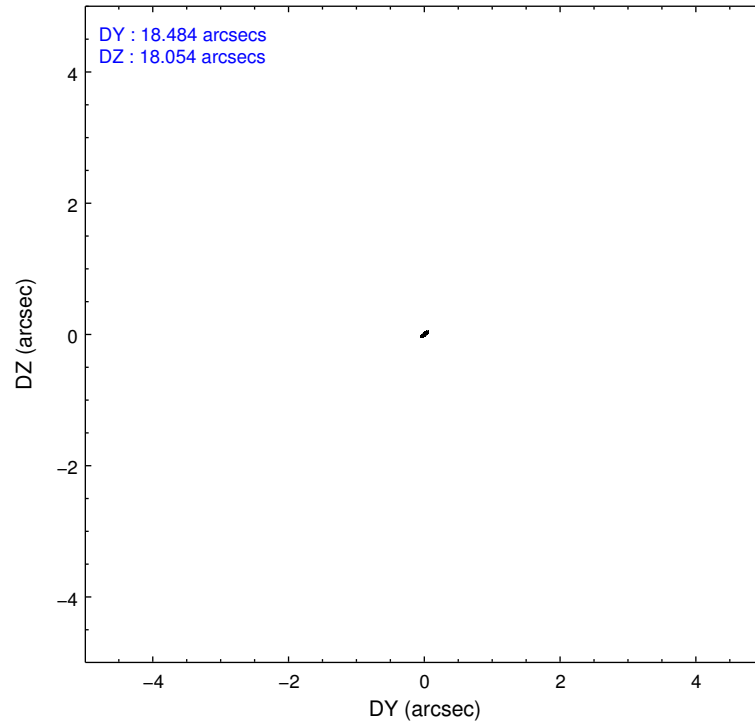
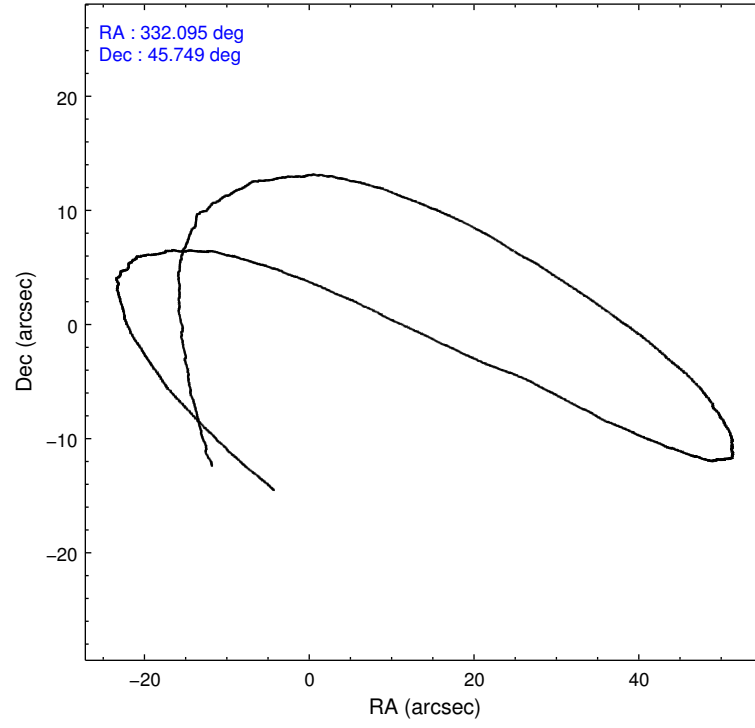
	segment 0
level 1 events	216212
rejected events	48240
rejected %	22%

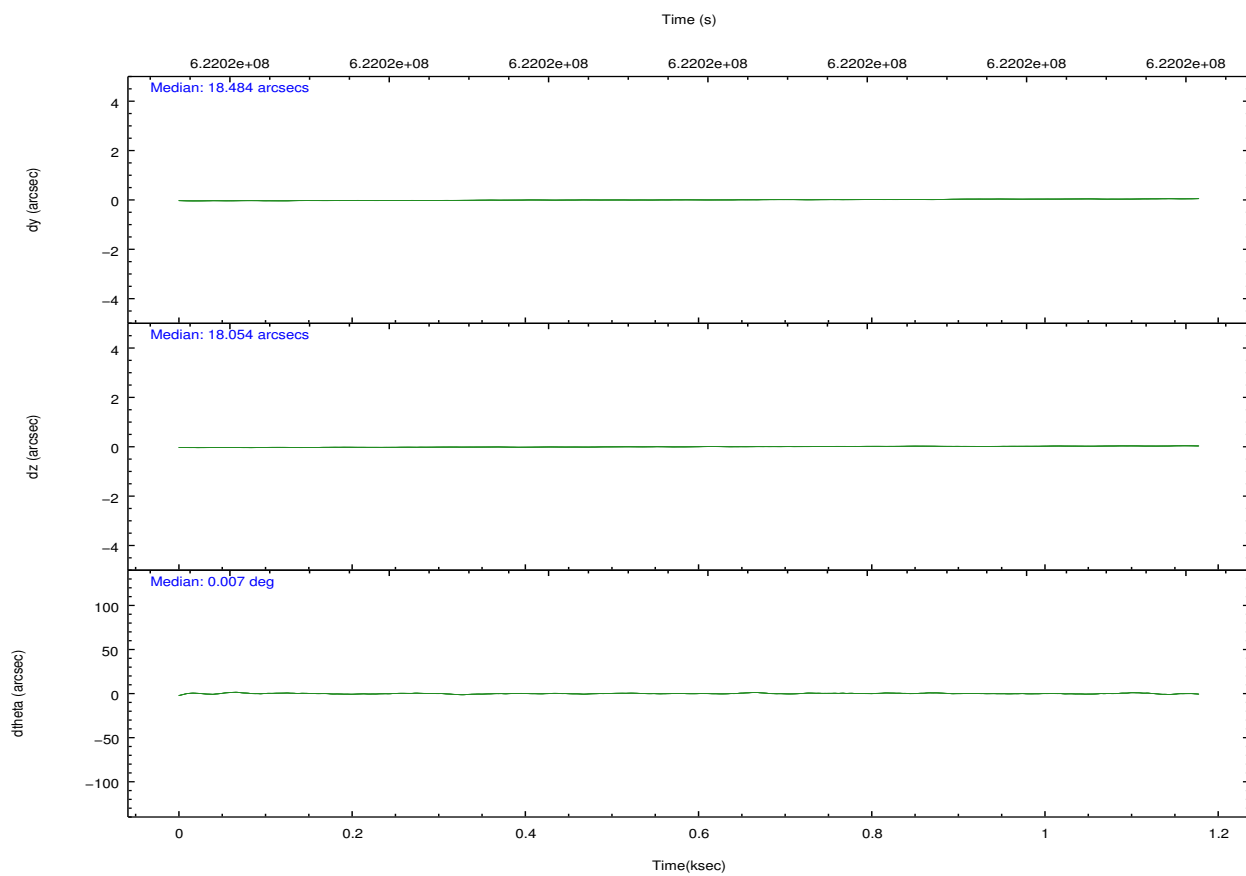
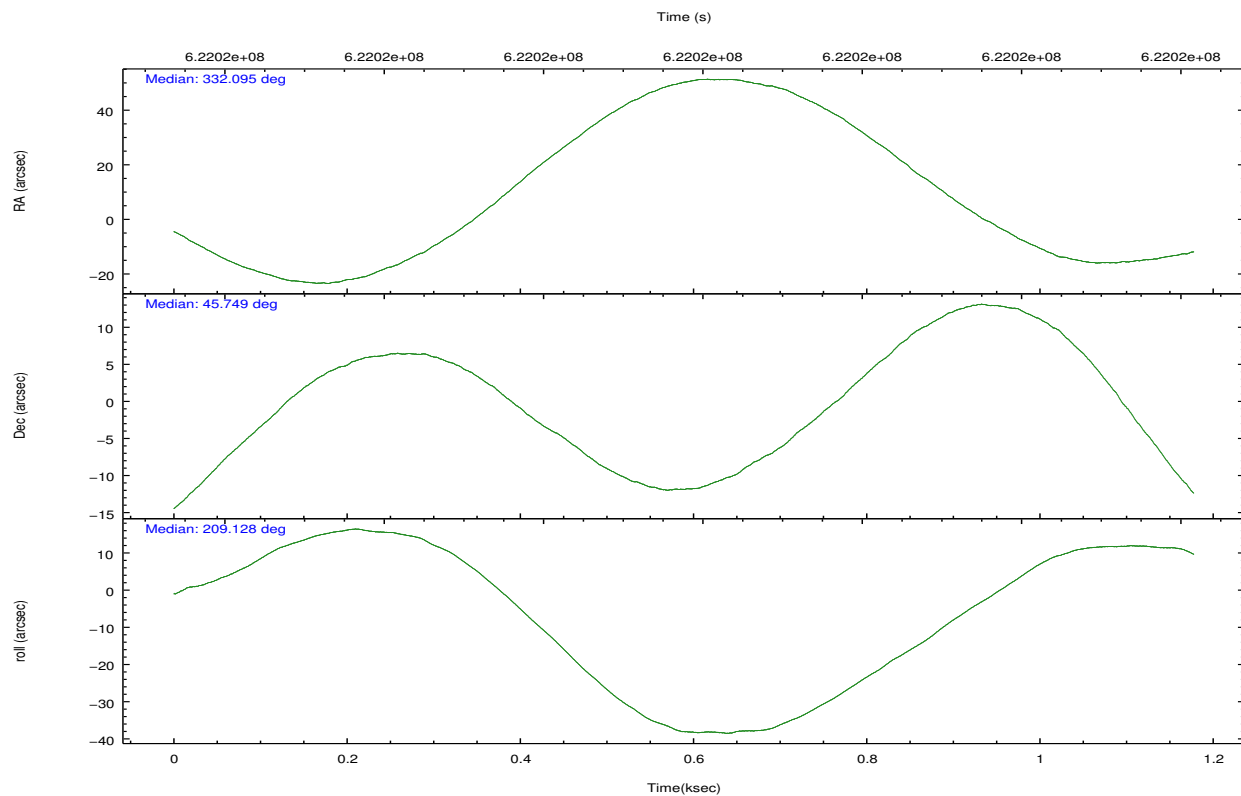
2.2 Compared Parameters

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	332.118303	332.0977091129404
[deg] Pointing Dec	45.771355	45.74835653423981
[deg] Pointing Roll	209.208483	209.127728095951
[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)	622016188.184000	622015812.46609
Observation start date	2017-09-17T06:15:19	2017-09-17T06:10:12
[s] Observation end time (MET)	622017188.184000	622017322.29118
Observation end date	2017-09-17T06:31:59	2017-09-17T06:35:22

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

2.3 Aspect



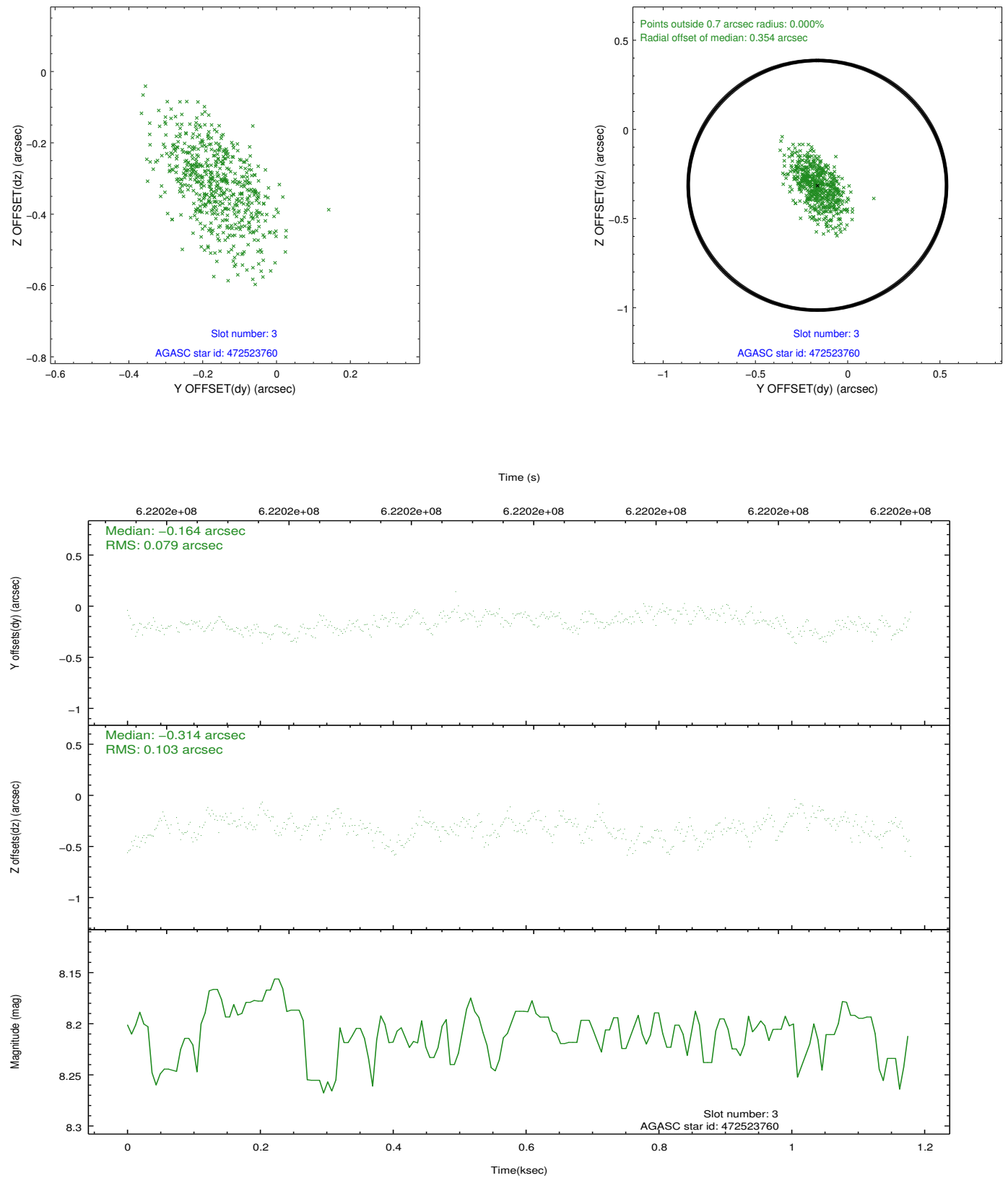


Slot Statistics

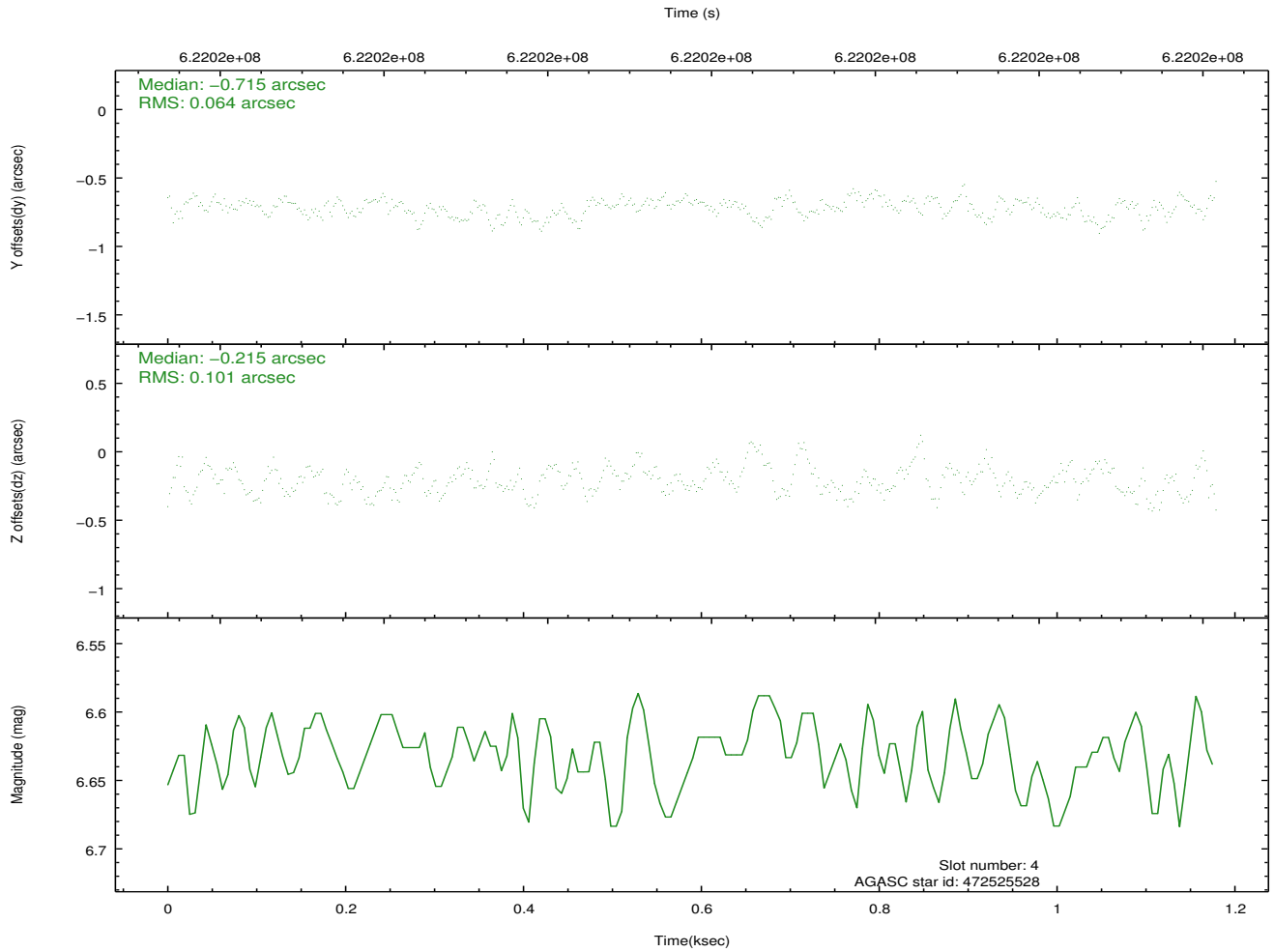
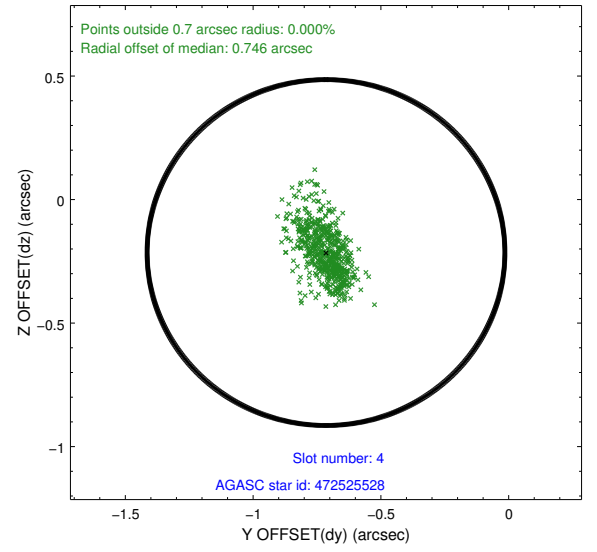
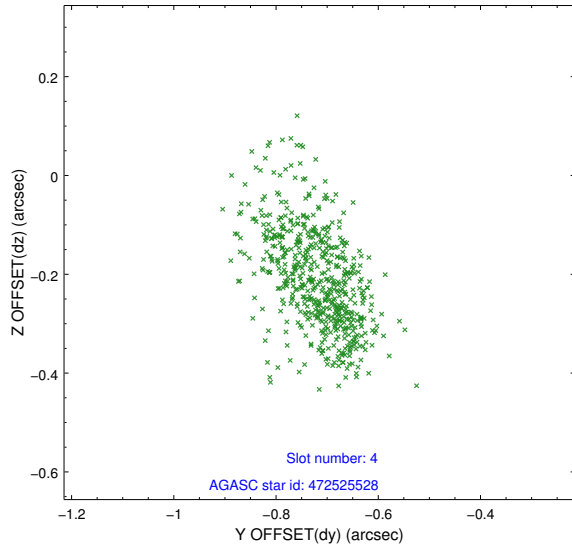
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	288	-0.188	0.006	0.006	0.010	0.000000	0.000000	-774.52	-1306.24
1	FID		HRC-I-2	7.05	288	0.371	-0.155	0.007	0.011	0.000000	0.000000	835.98	-1312.45
2	FID		HRC-I-3	7.10	288	-0.064	0.059	0.005	0.010	0.000000	0.000000	-1200.06	993.80
3	GUIDE	used	472523760	8.21	573	-0.164	-0.314	0.135	0.234	331.645363	45.403260	1687.32	574.19
4	GUIDE	used	472525528	6.63	576	-0.715	-0.215	0.124	0.210	331.551102	45.248694	2171.55	941.49
5	GUIDE	used	472533912	9.13	576	0.386	0.293	0.156	0.268	331.791136	46.368695	-337.77	-2268.89
6	GUIDE	used	472655152	9.36	576	0.126	-0.151	0.226	0.355	332.504239	45.862991	-1008.27	182.49
7	GUIDE	used	472665256	8.96	574	0.386	0.384	0.157	0.260	332.808125	46.195041	-2250.83	-494.13

2.4 Star Slots

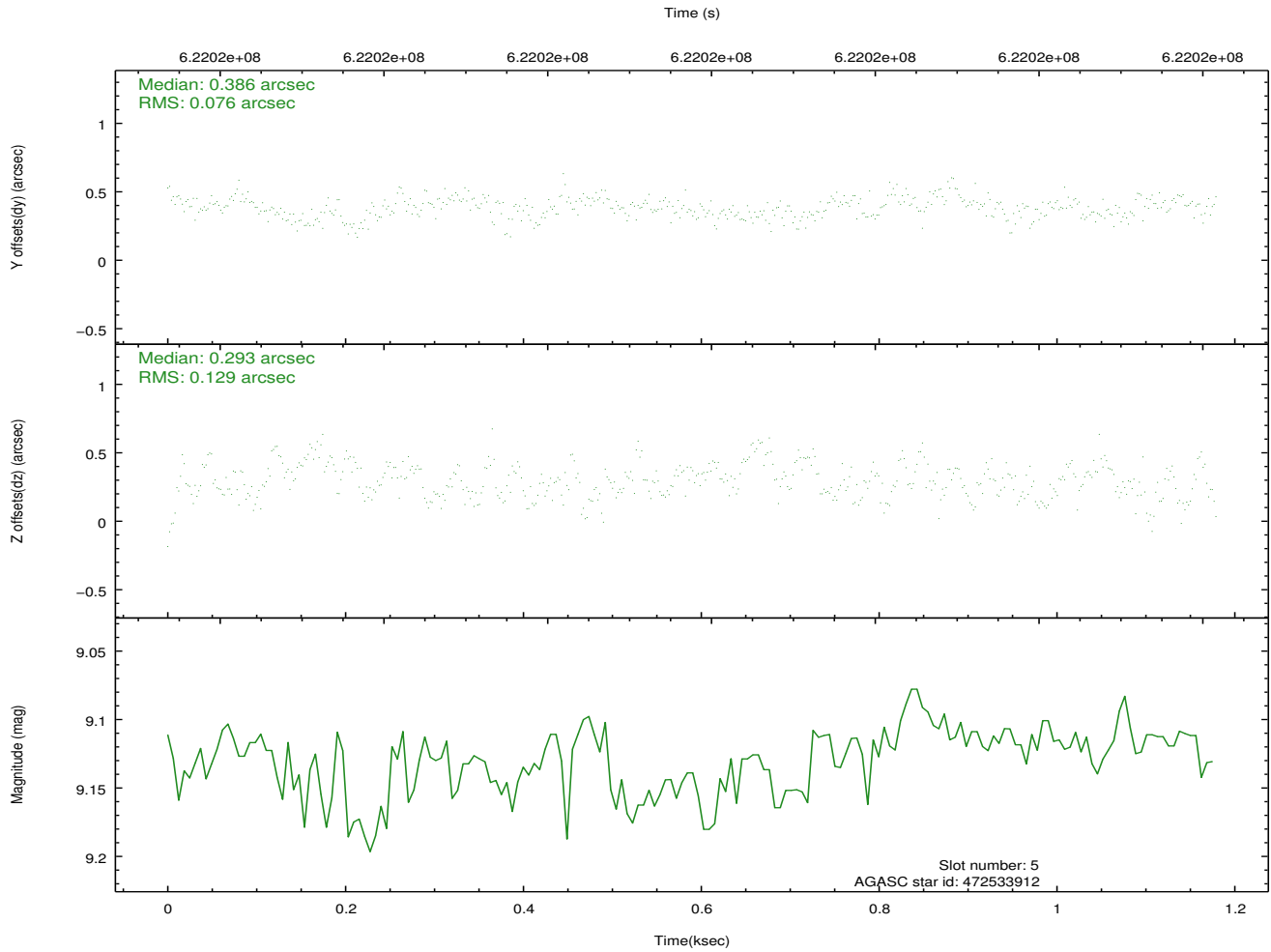
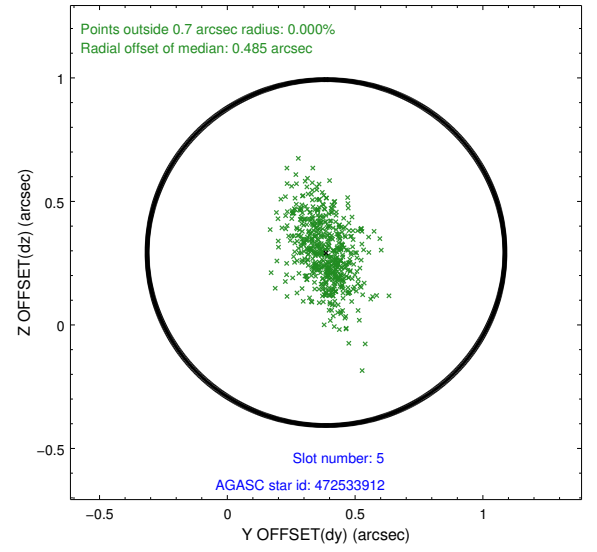
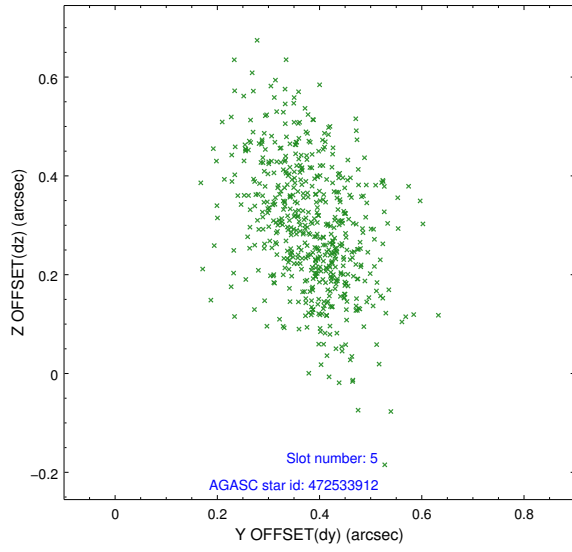
2.4.1 Slot 3



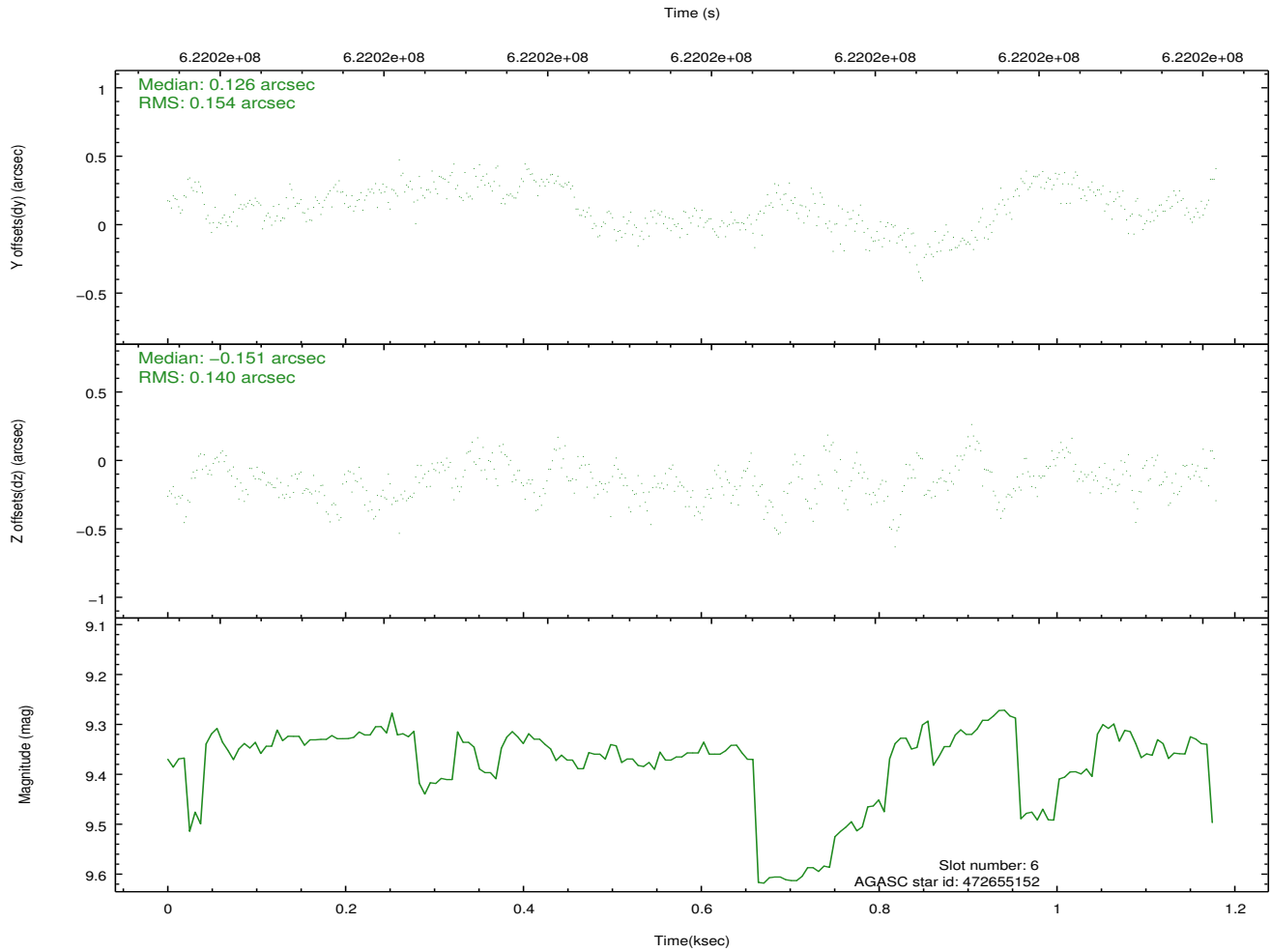
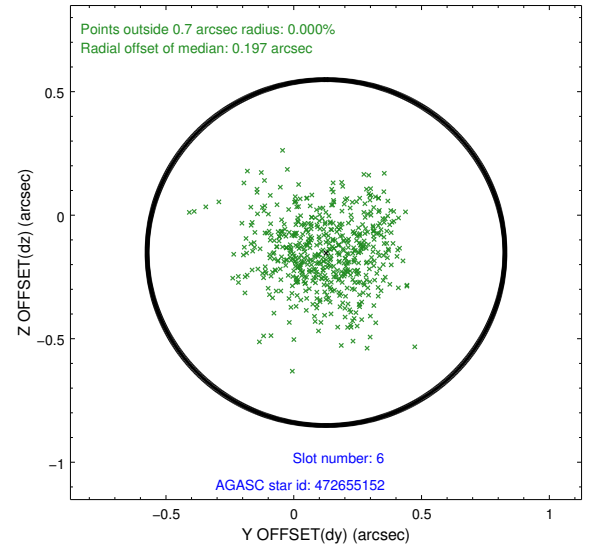
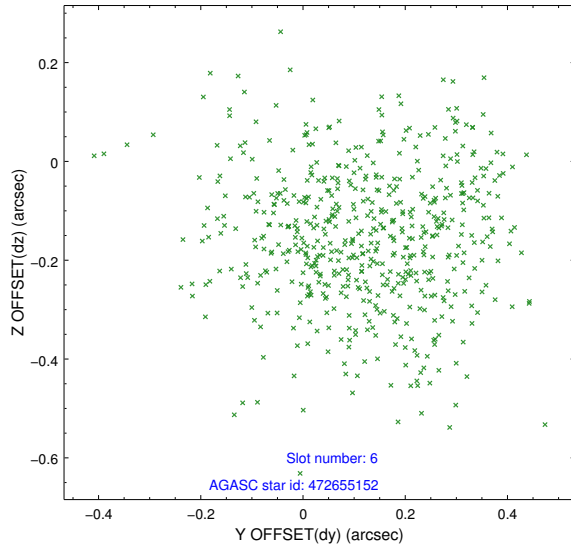
2.4.2 Slot 4



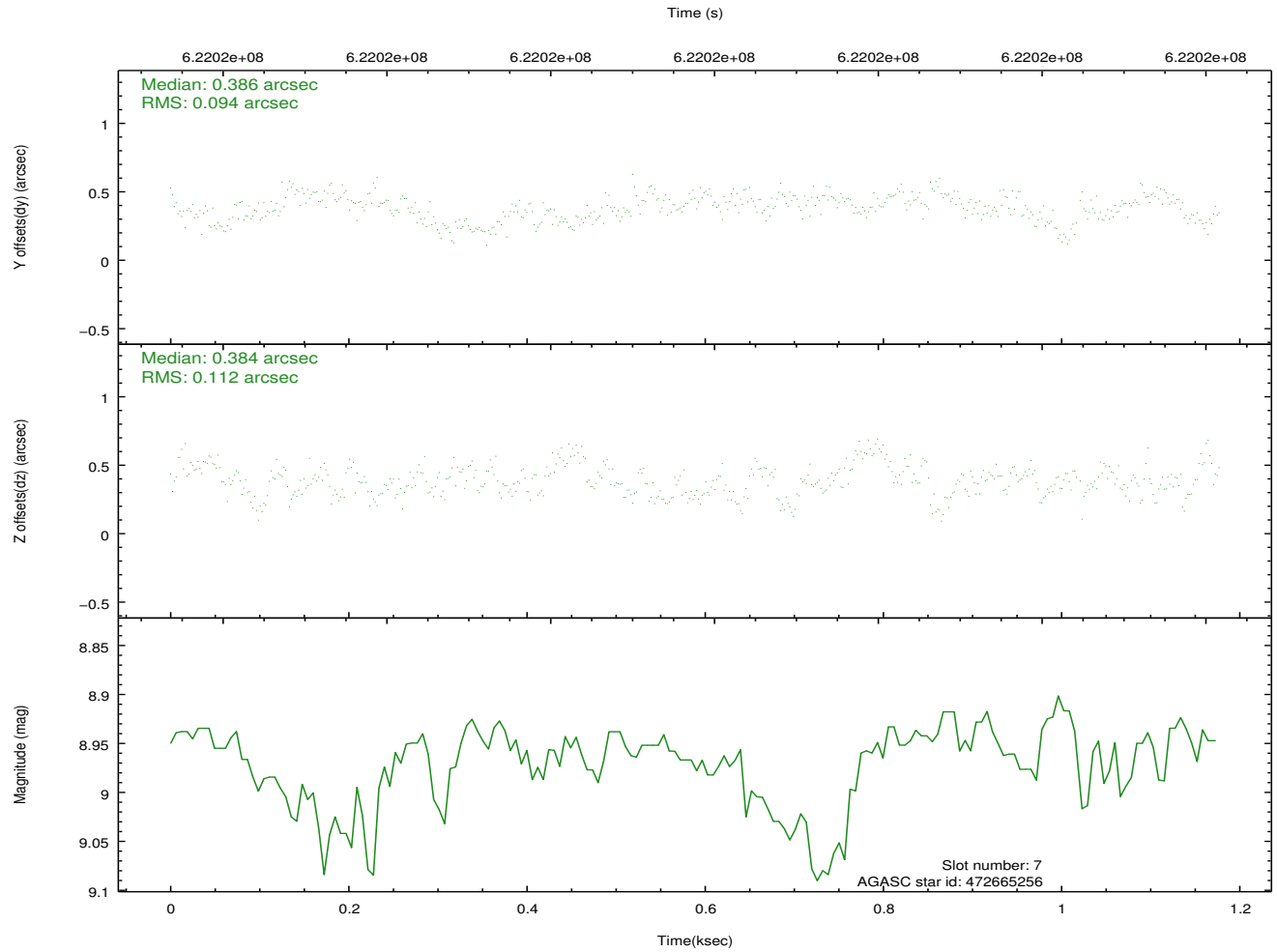
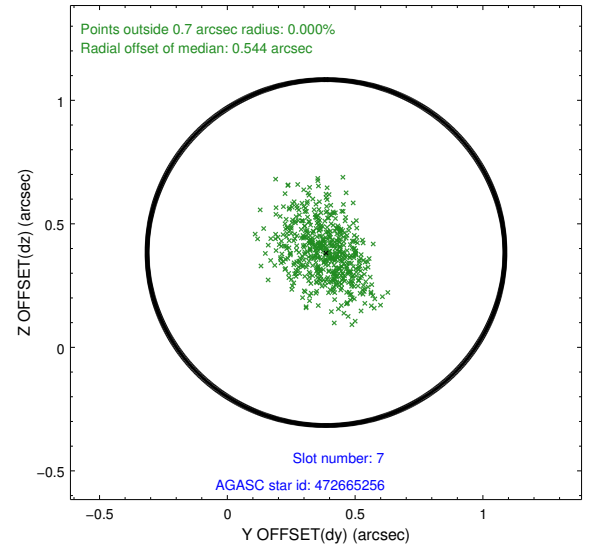
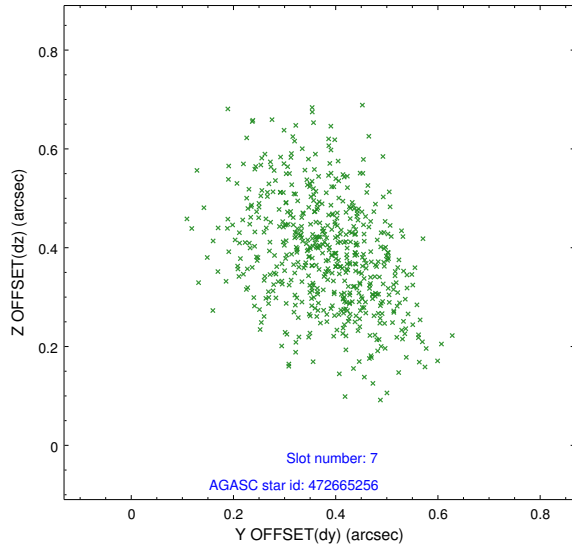
2.4.3 Slot 5



2.4.4 Slot 6

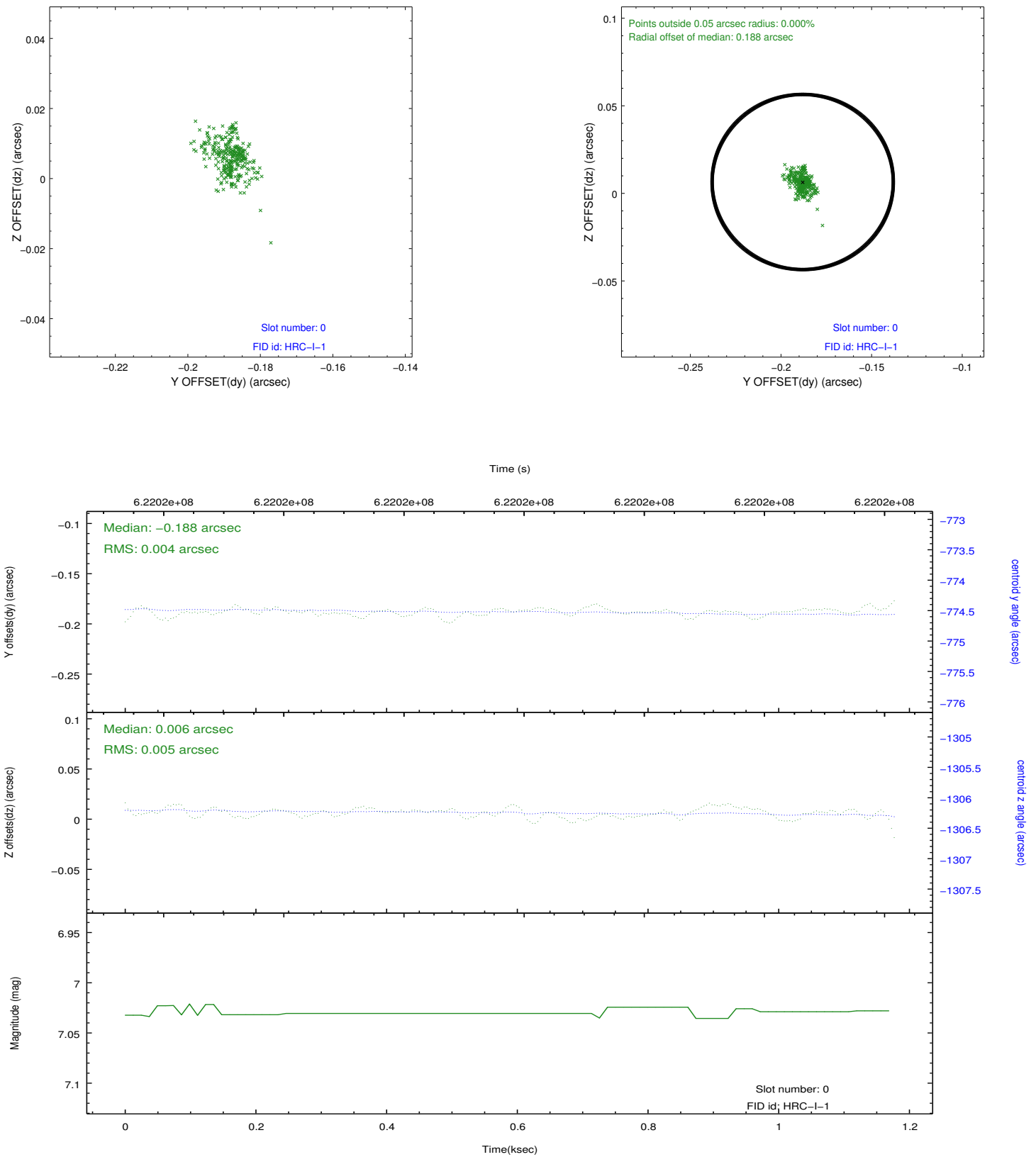


2.4.5 Slot 7

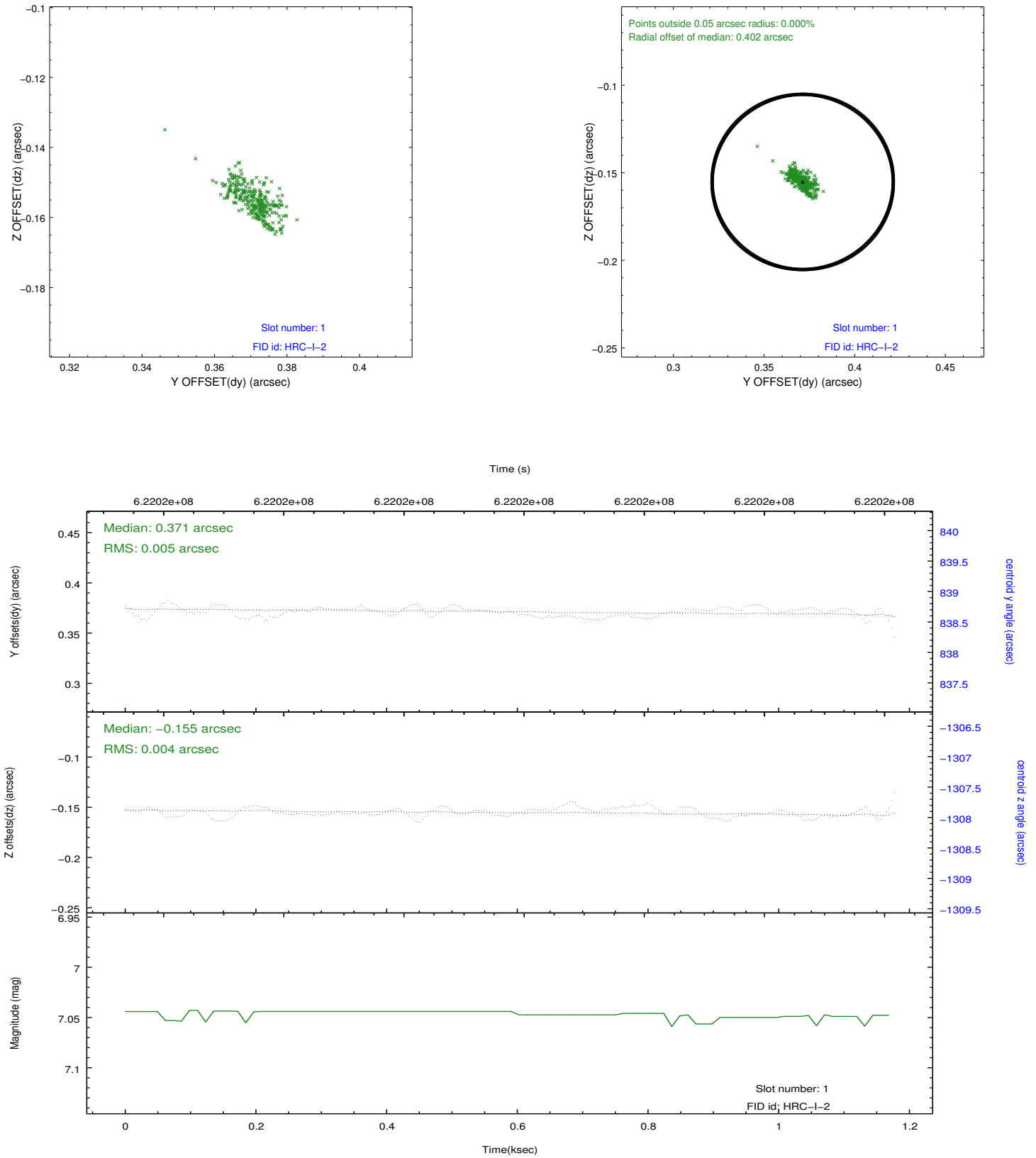


2.5 FID Slots

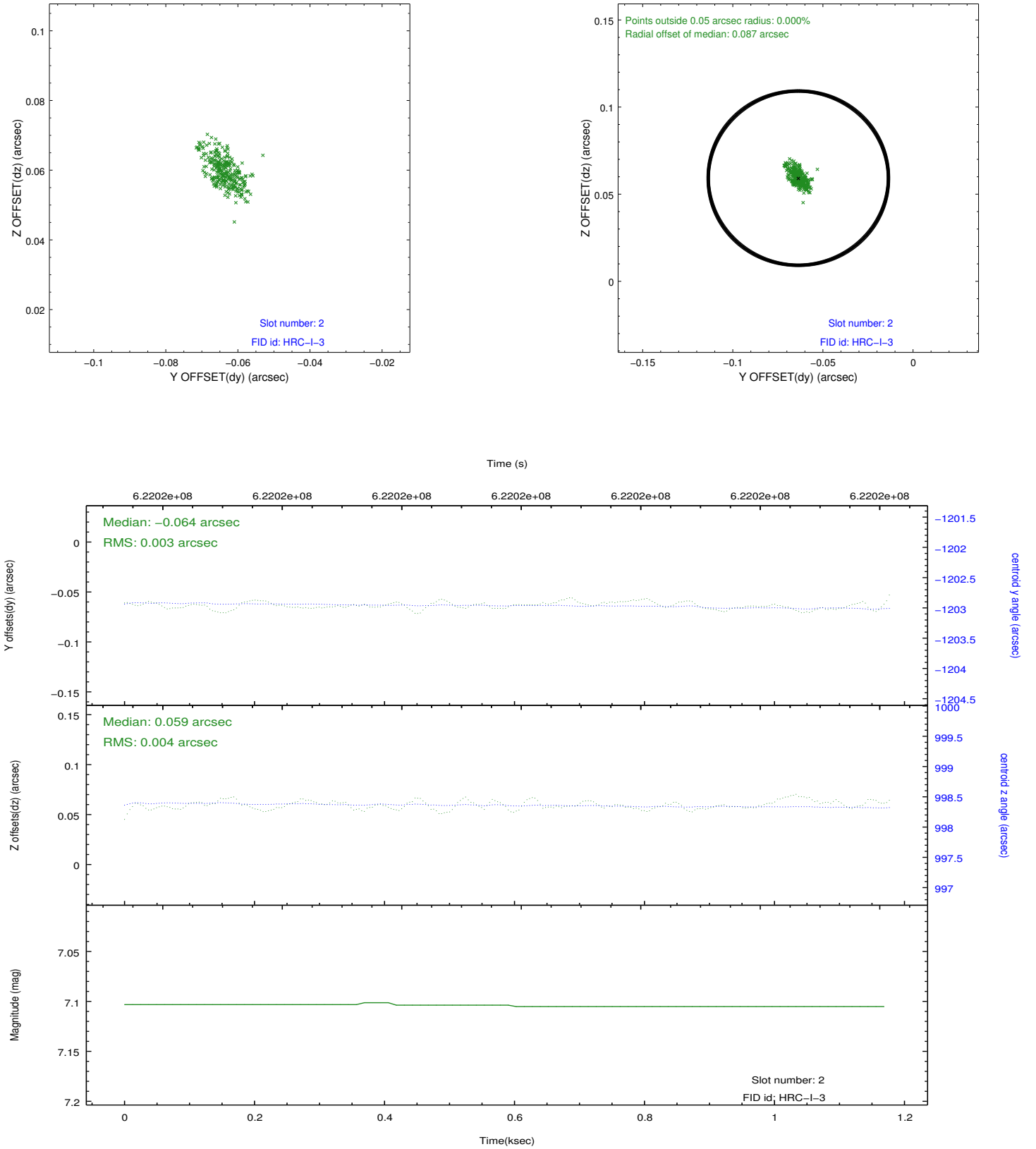
2.5.1 Slot 0



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	1.177725069046

A.2 Comments