

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16380 - L2 Version 1
Chandra X-Ray Center

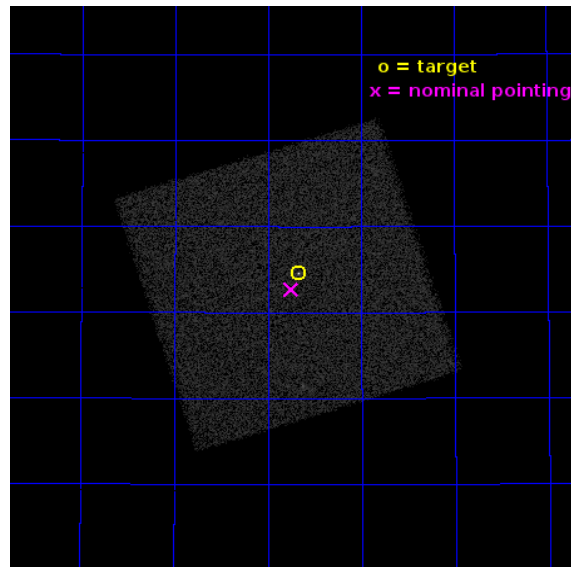
L2 Processing Date : Sep 16 2014

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

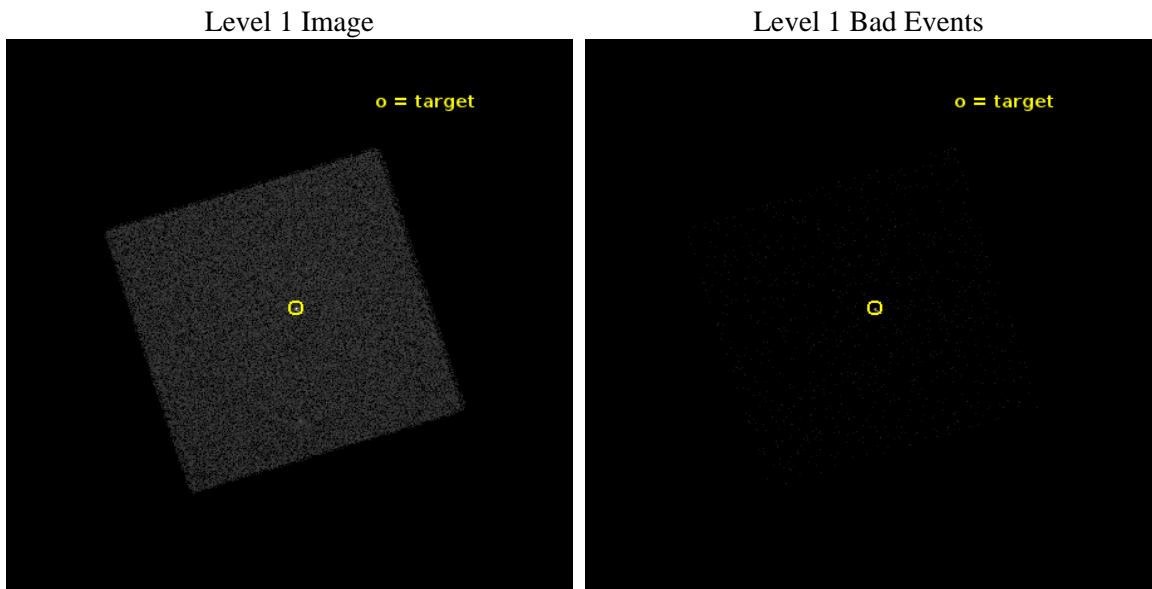
seq_num	291152	Sequence number
obs_id	16380	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18726486324	Nominal RA [deg]
dec_nom	45.711554522458	Nominal Dec [deg]
roll_nom	207.47297481901	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813156366	[s]
livetime	1172.7115512503	Ontime multiplied by DTCOR
l2events	75908	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	10.2.4	Processing system revision	ontime	1182.0813156366	[s]
caldbver	4.6.3	 	l1events	127976	Number of level 1 events
date	2014-09-16T19:55:45	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

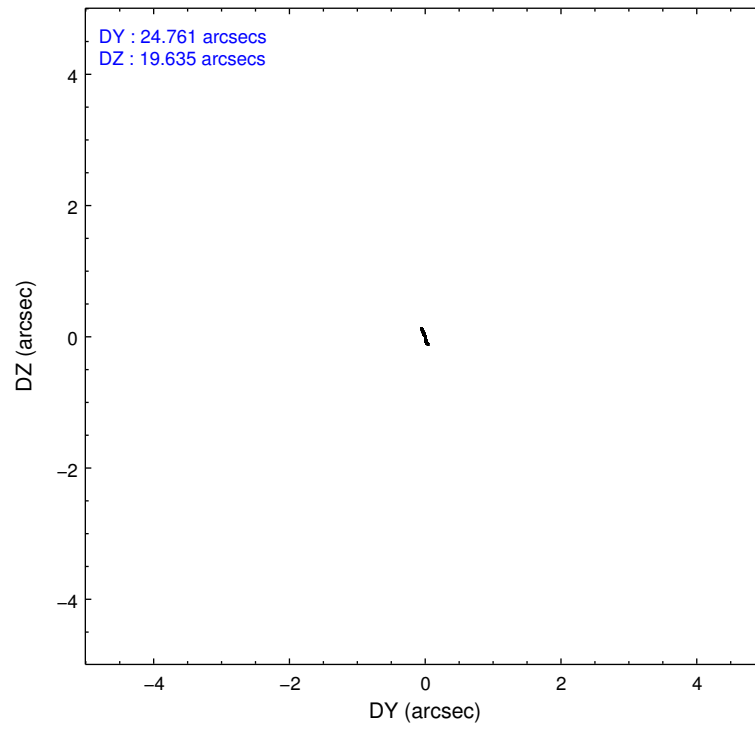
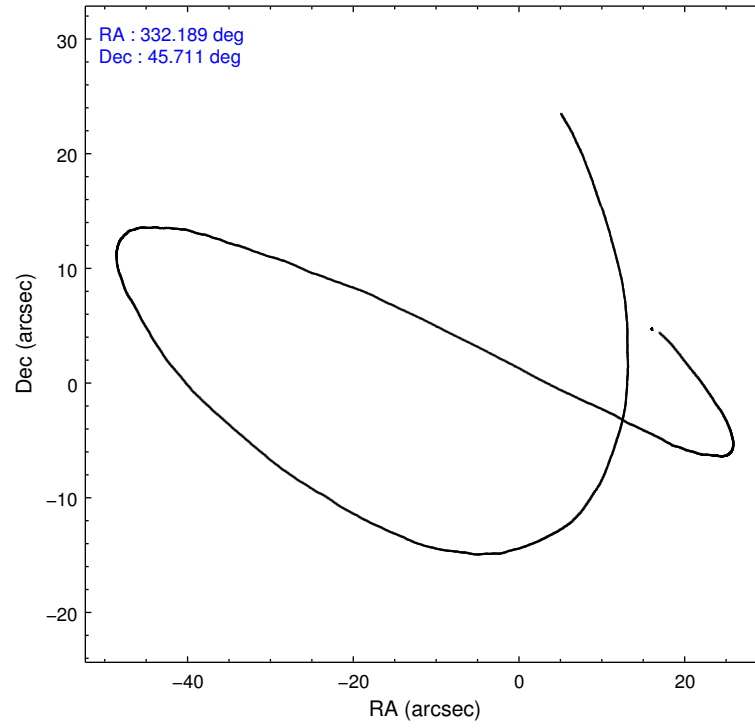
	segment 0
level 1 events	127976
rejected events	27504
rejected %	21%

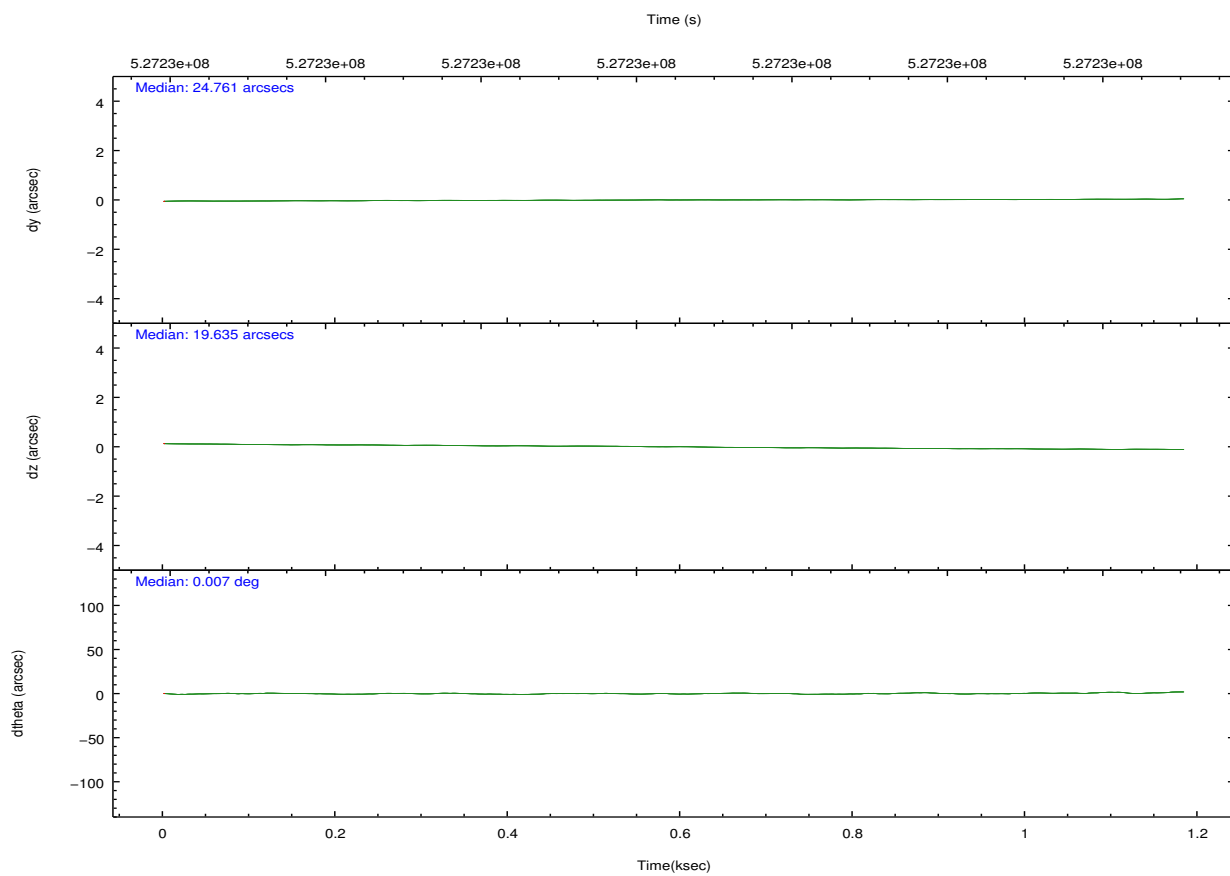
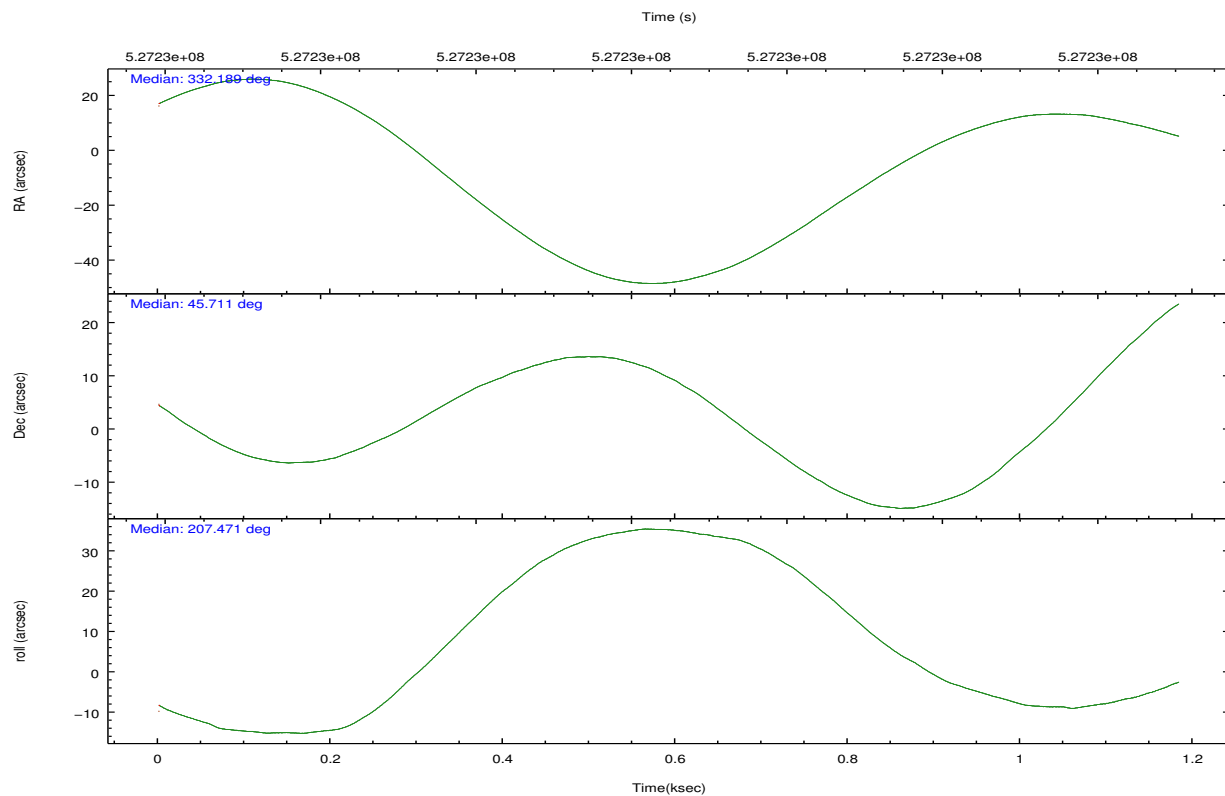
2.2 Compared Parameters

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	332.206276	332.1872648632423
[deg] Pointing Dec	45.735597	45.71155452245837
[deg] Pointing Roll	207.554868	207.47297481901
[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)	527229241.184000	527228865.73848
Observation start date	2014-09-16T04:32:54	2014-09-16T04:27:45
[s] Observation end time (MET)	527230241.184000	527230375.56356
Observation end date	2014-09-16T04:49:34	2014-09-16T04:52:55

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

2.3 Aspect



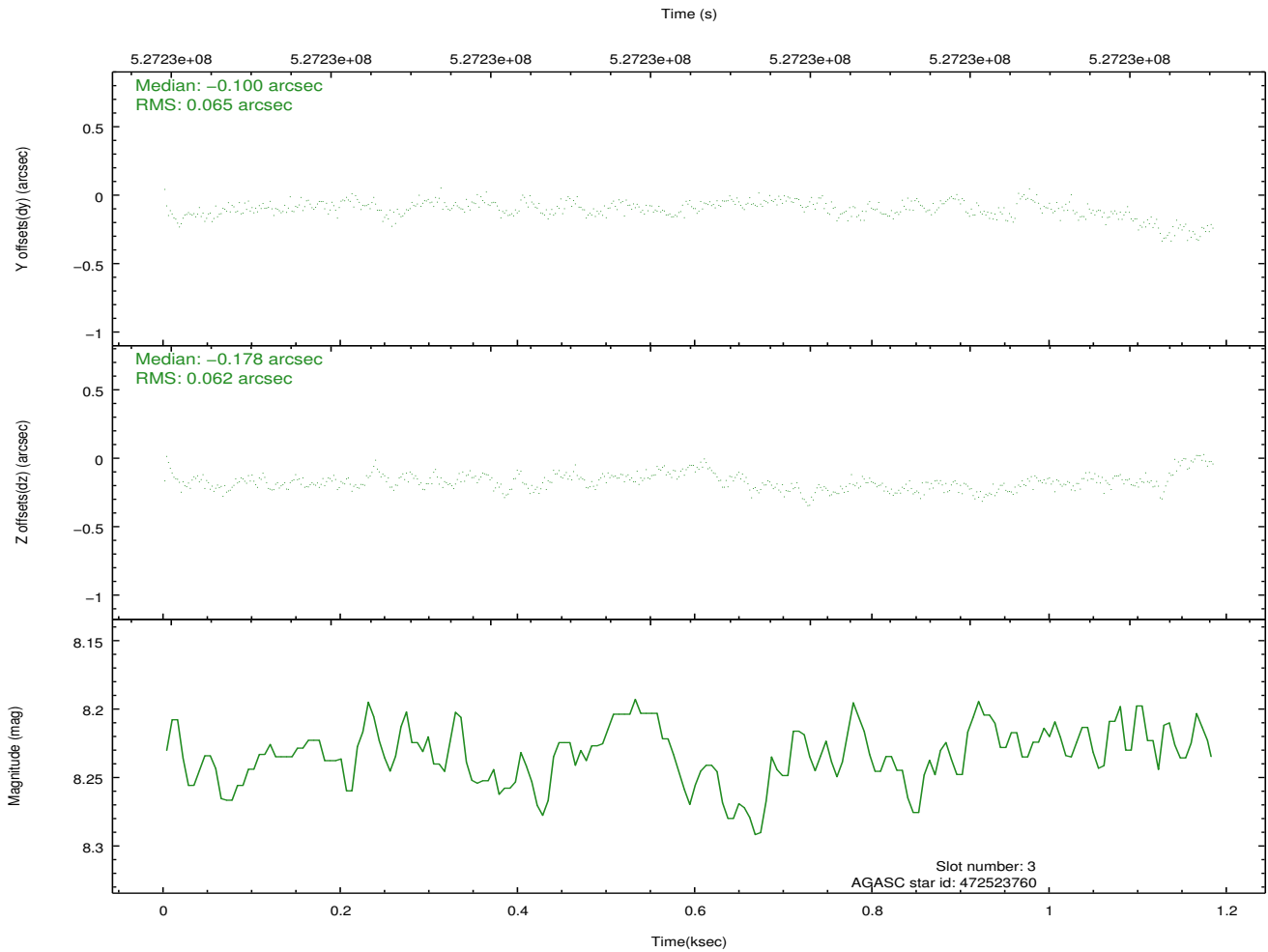
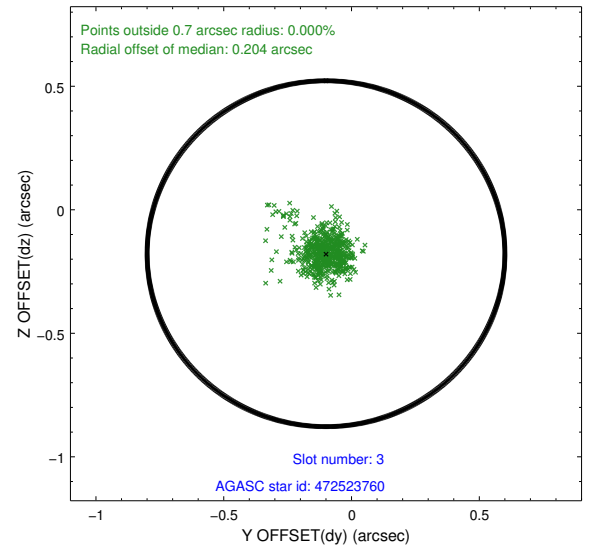
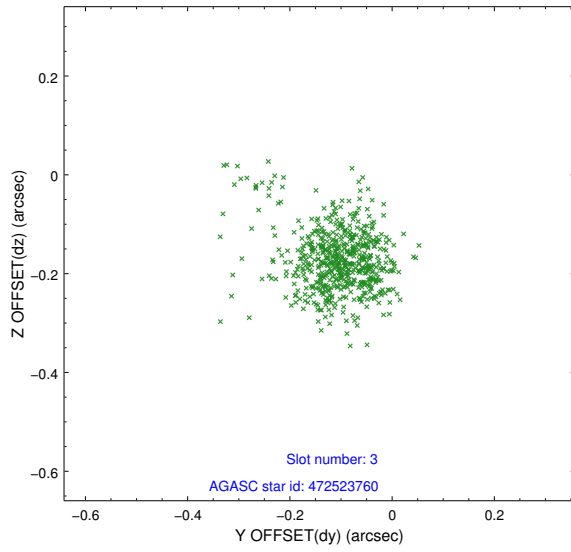


Slot Statistics

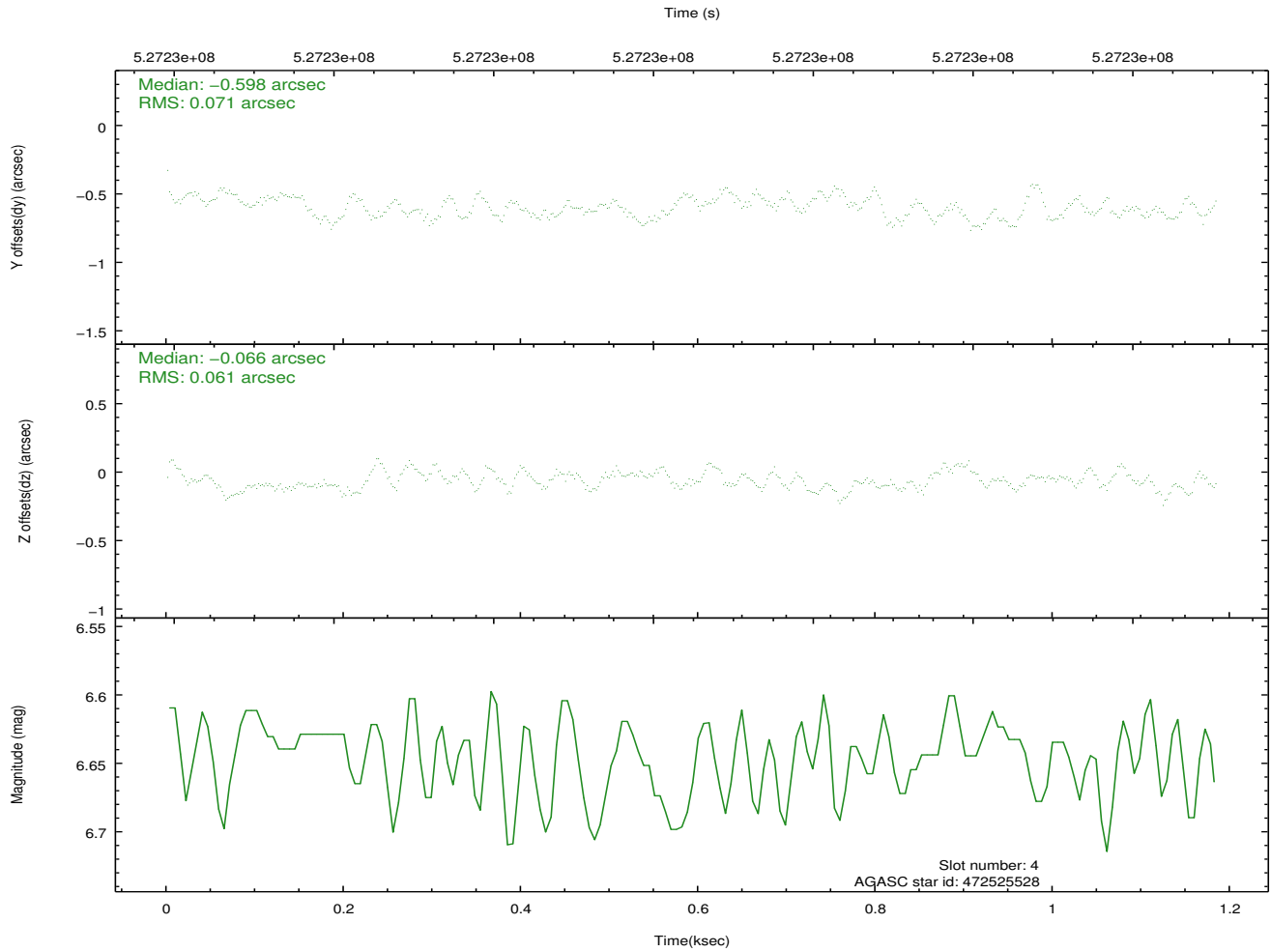
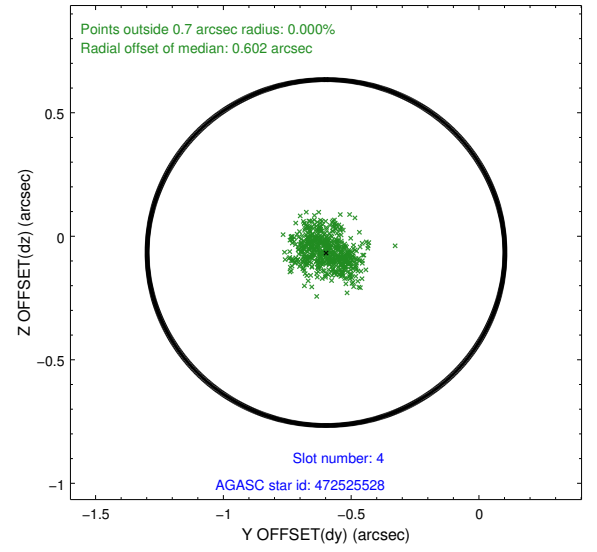
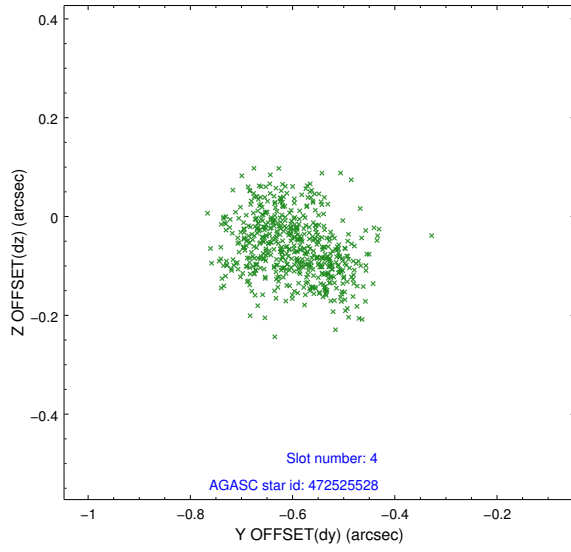
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	289	0.033	-0.047	0.007	0.011	0.000000	0.000000	831.88	-1309.44
1	FID	HRC-I-3	7.11	289	-0.210	-0.032	0.006	0.010	0.000000	0.000000	-1206.67	992.11
2	FID	HRC-I-4	7.03	289	0.295	-0.008	0.006	0.010	0.000000	0.000000	1258.06	997.78
3	GUIDE	472523760	8.23	578	-0.100	-0.178	0.084	0.174	331.645363	45.403260	1810.14	396.79
4	GUIDE	472525528	6.64	578	-0.598	-0.066	0.102	0.156	331.551102	45.248694	2284.42	776.99
5	GUIDE	472663080	9.39	578	0.486	0.366	0.143	0.305	332.652741	46.473840	-2205.88	-1848.77
6	GUIDE	472665256	8.98	578	0.441	0.186	0.128	0.196	332.808125	46.195041	-2098.83	-784.16
7	GUIDE	420754040	9.05	577	-0.225	-0.322	0.121	0.195	331.917939	44.882543	2068.52	2376.38

2.4 Star Slots

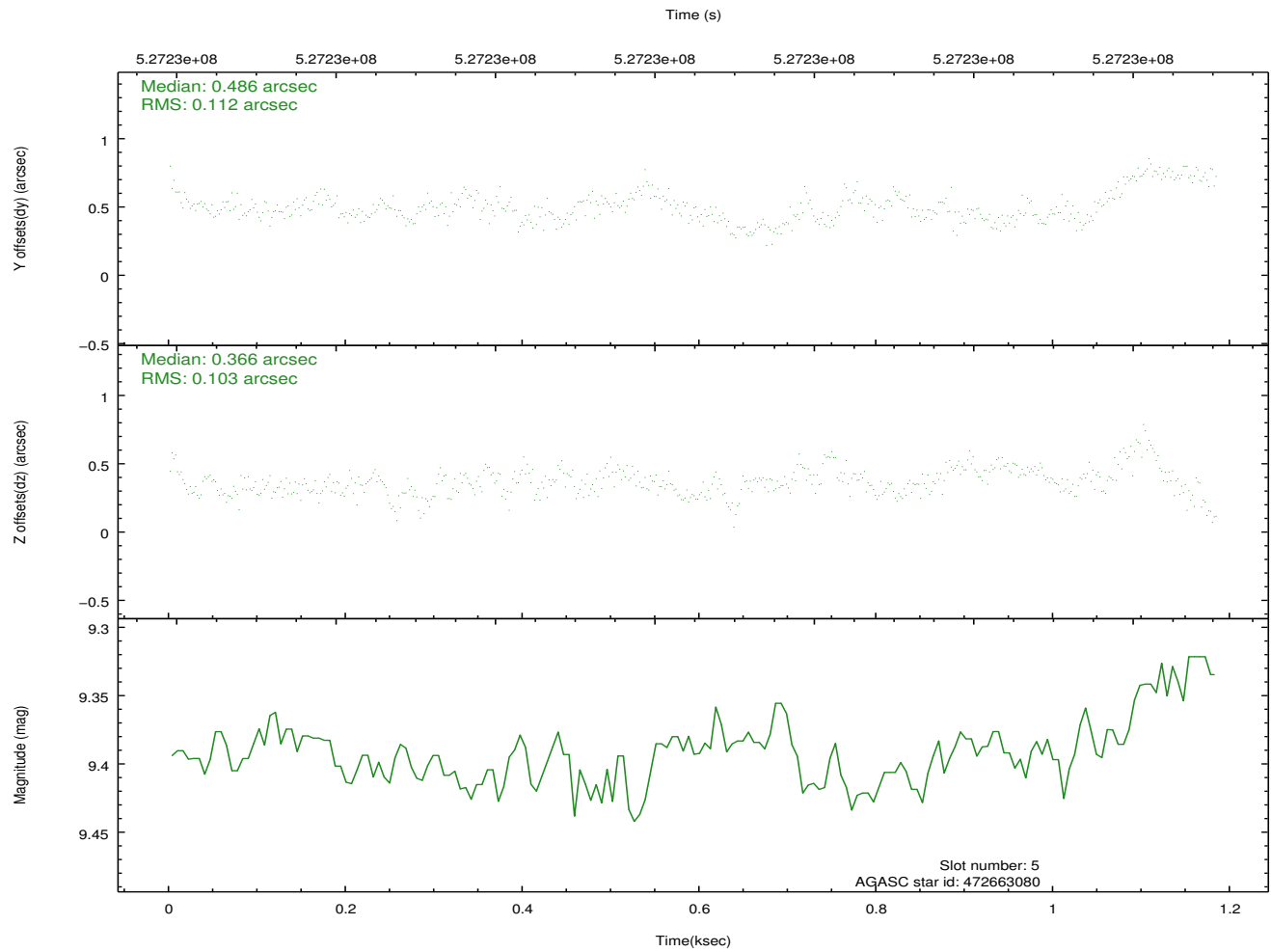
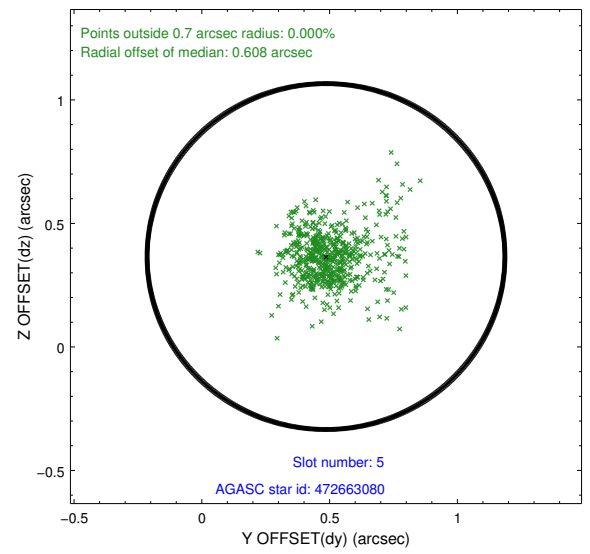
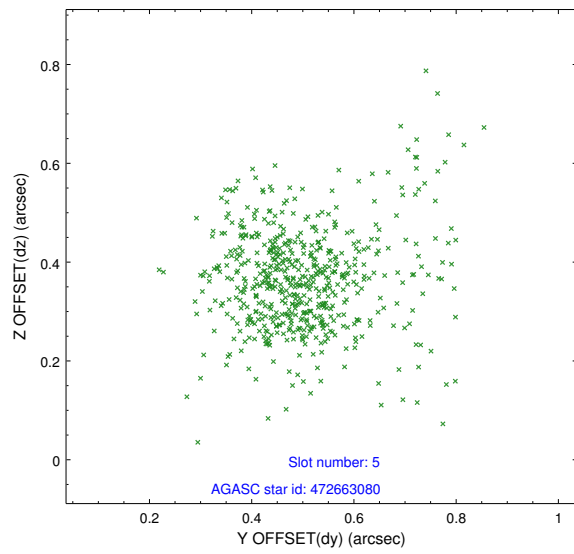
2.4.1 Slot 3



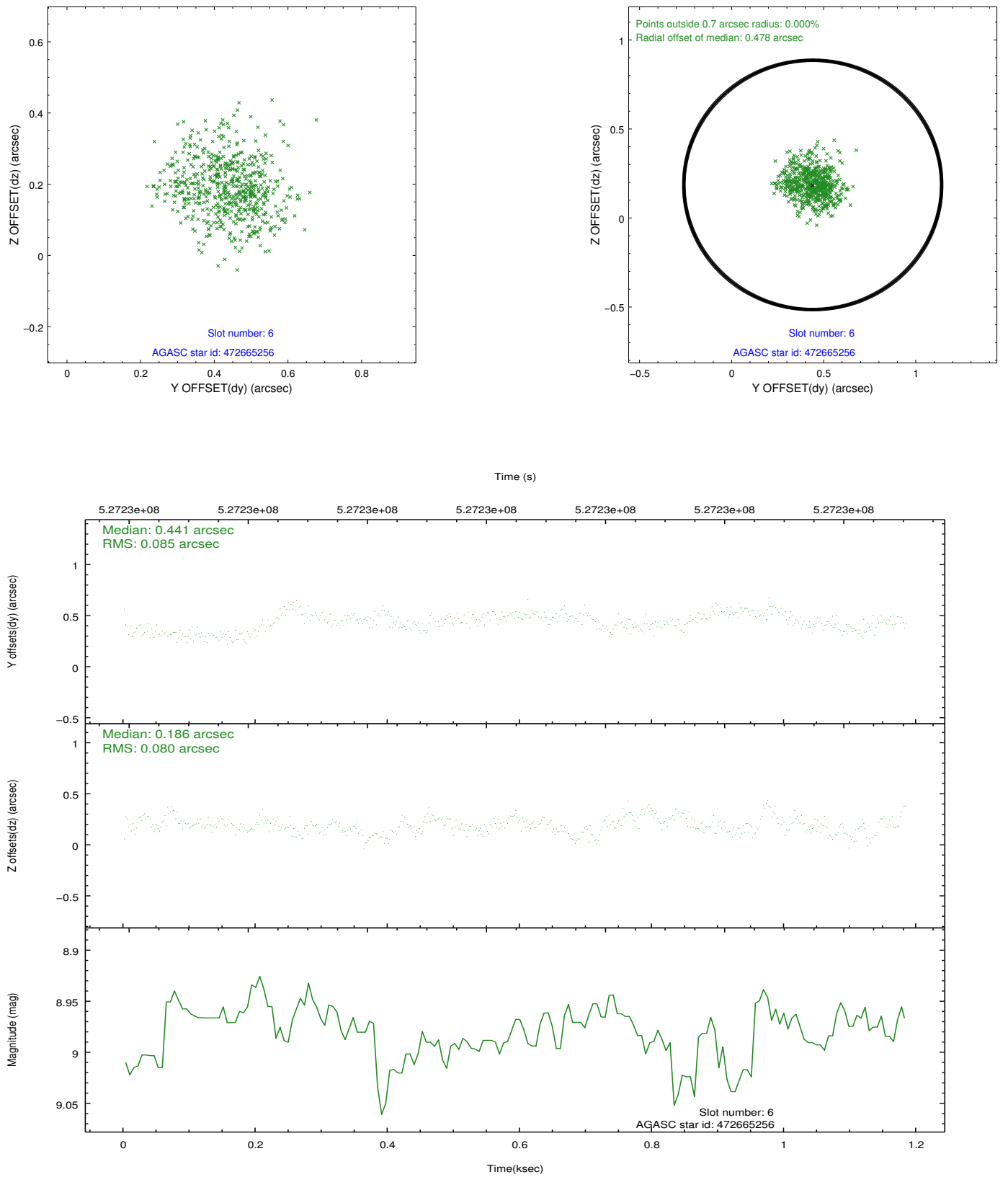
2.4.2 Slot 4



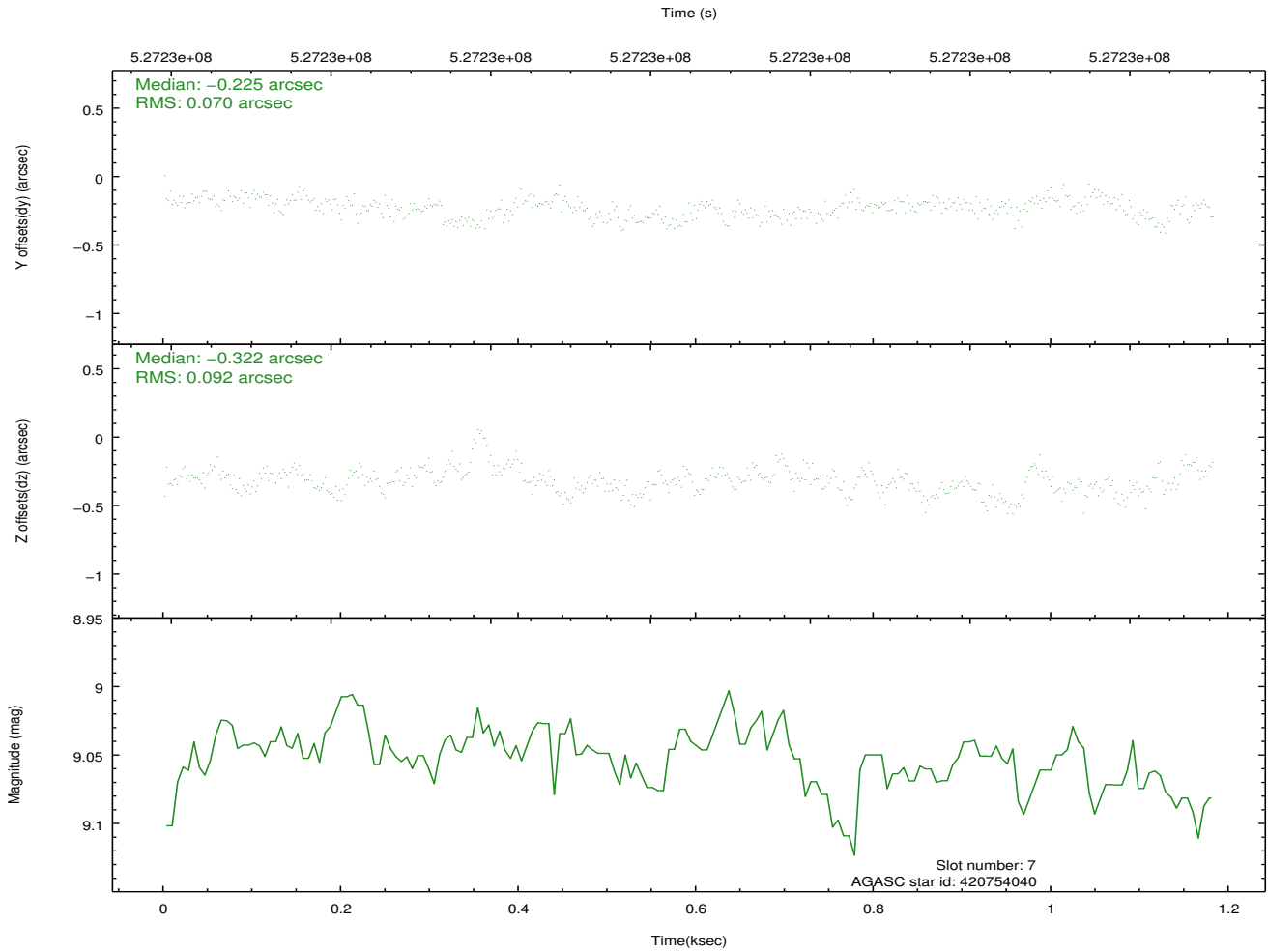
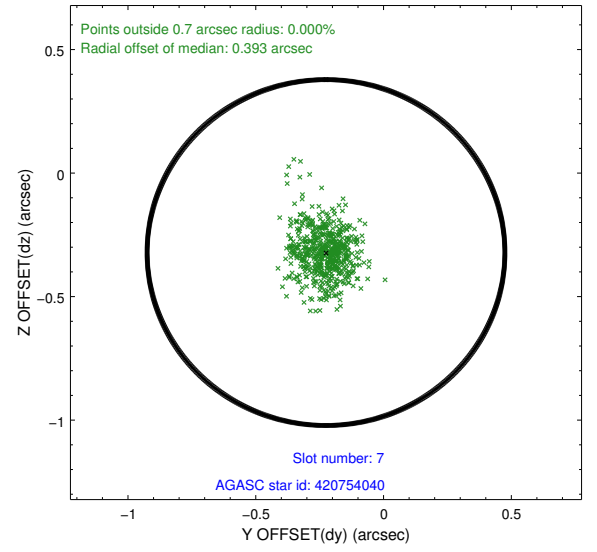
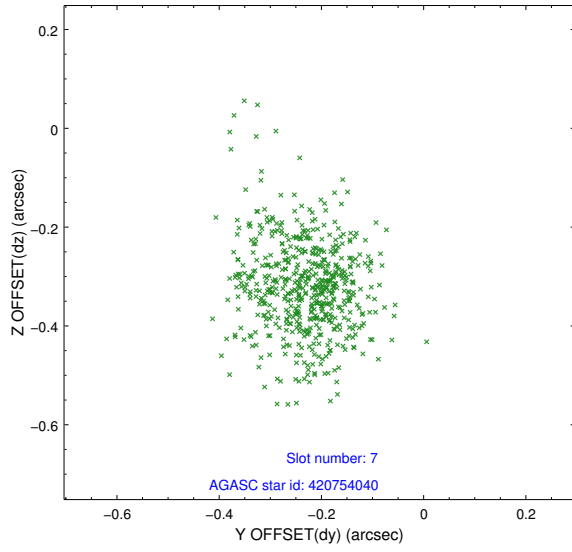
2.4.3 Slot 5



2.4.4 Slot 6

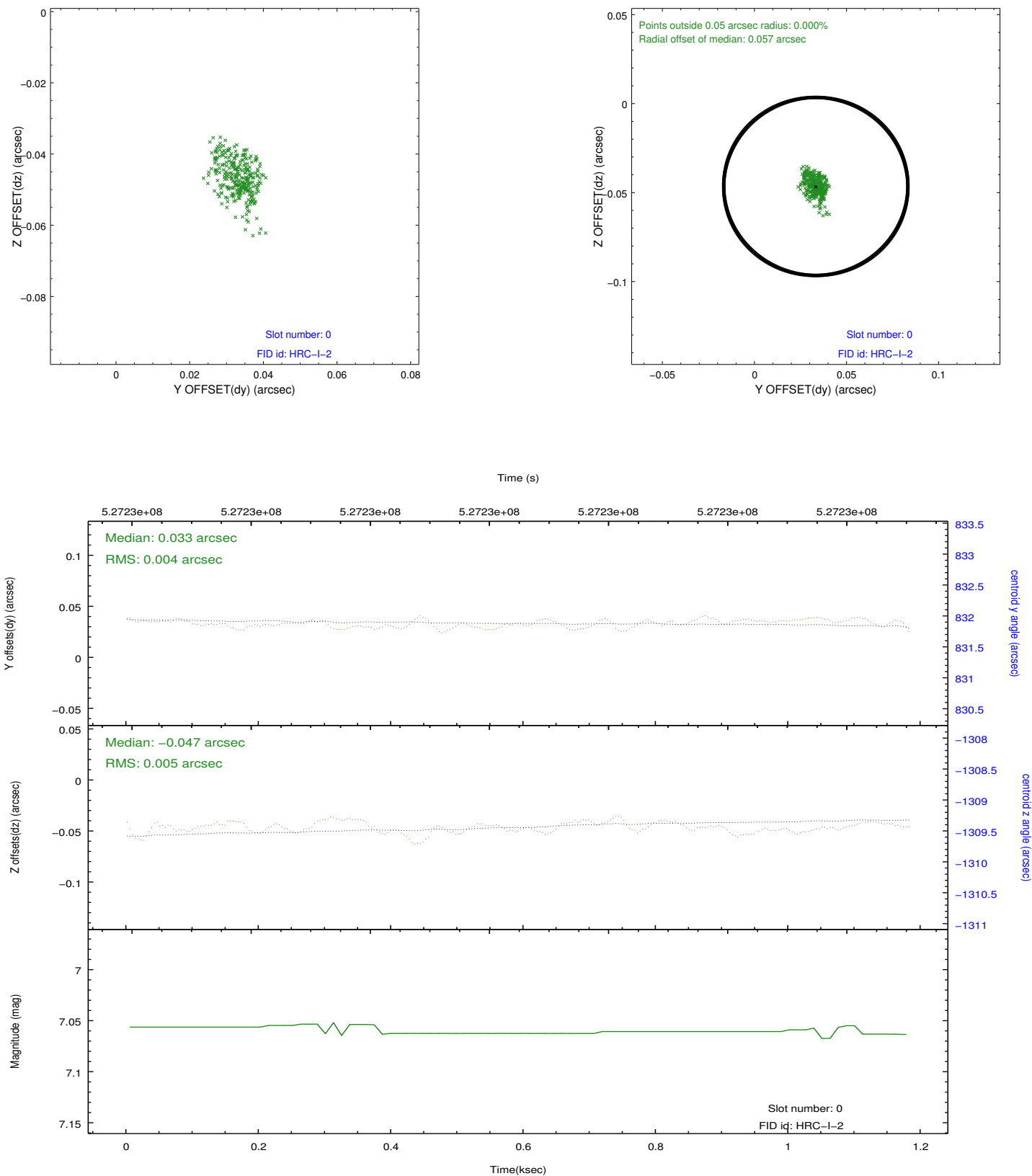


2.4.5 Slot 7

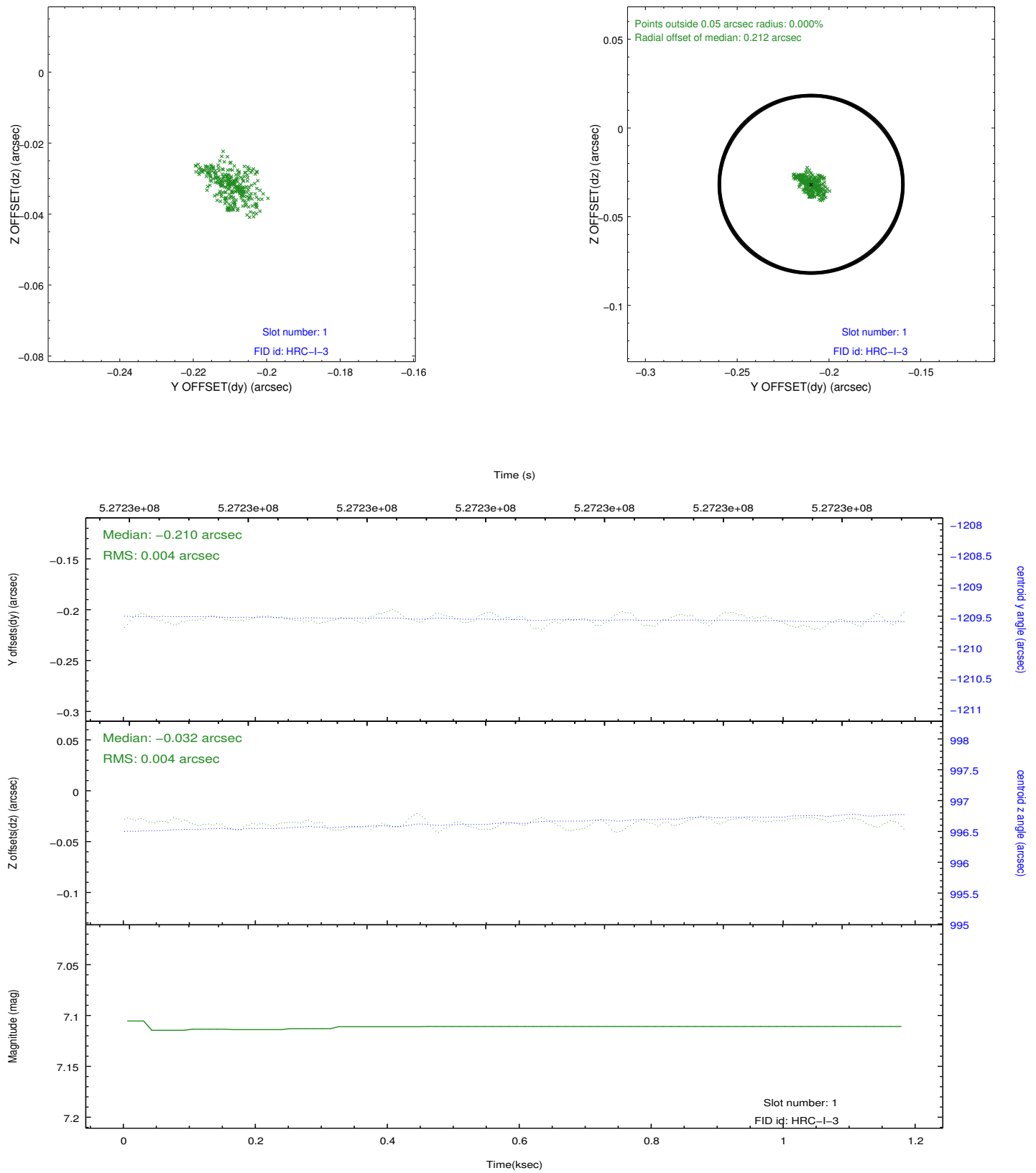


2.5 FID Slots

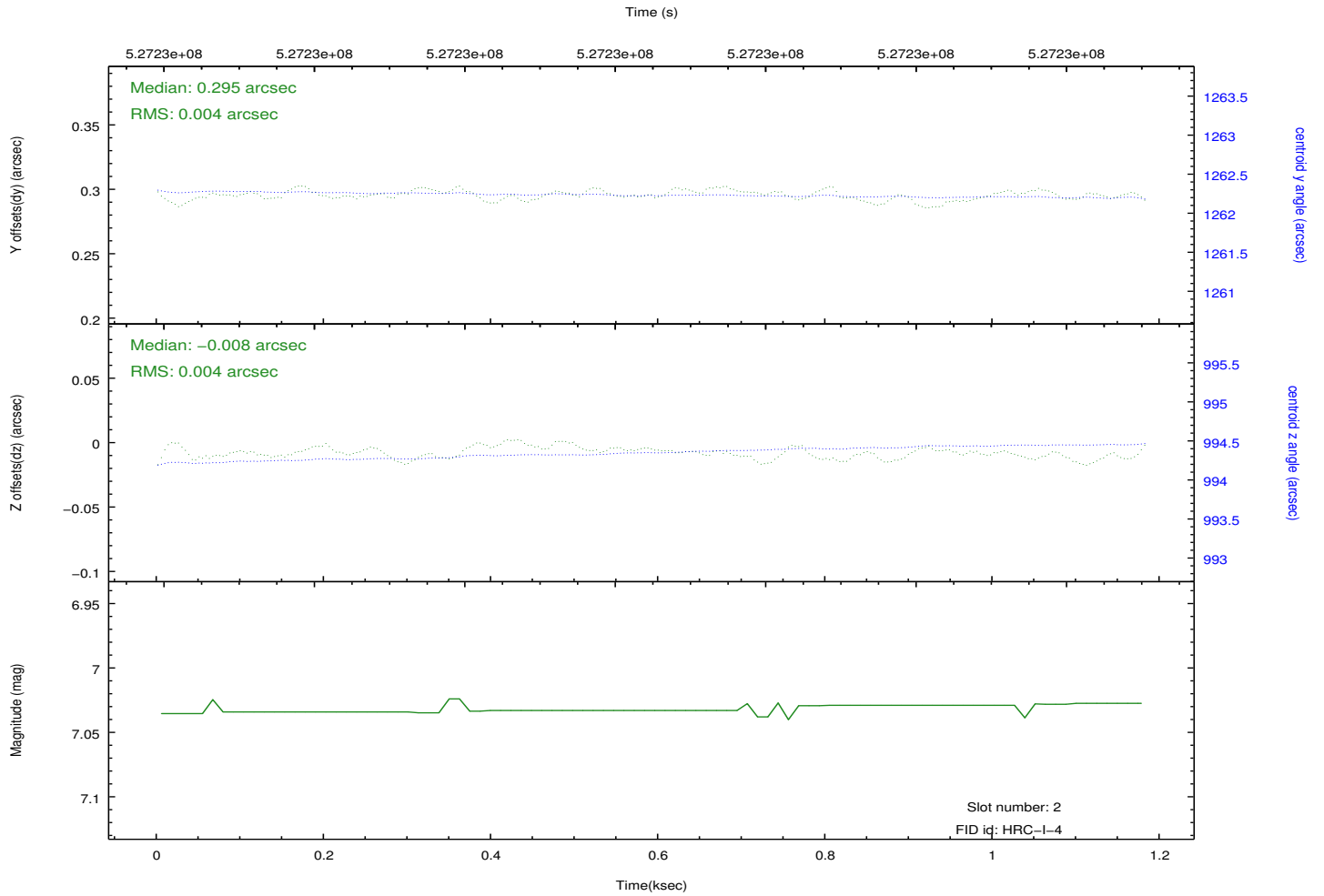
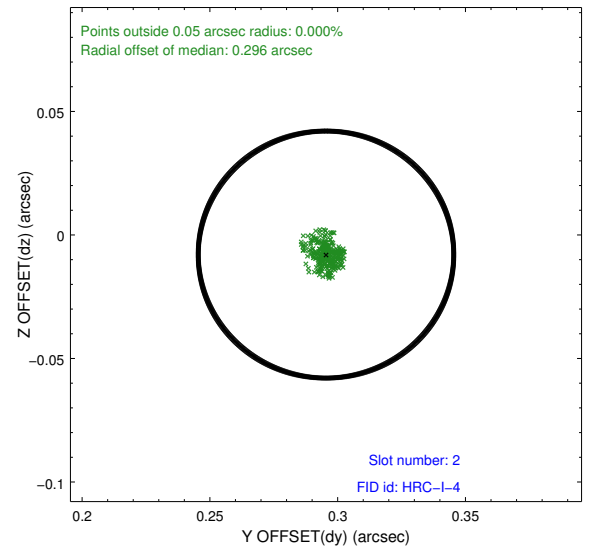
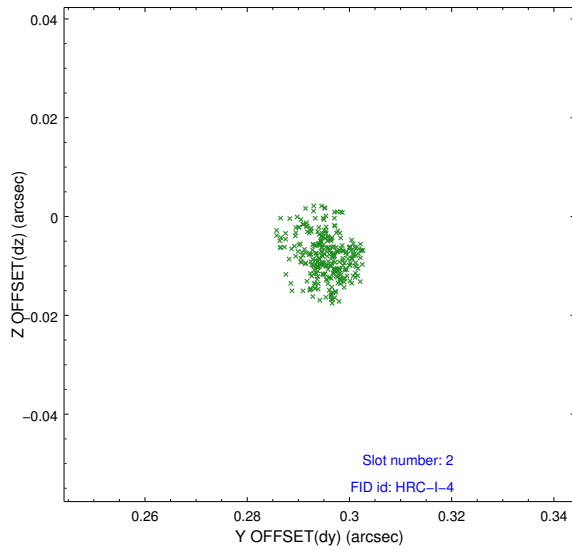
2.5.1 Slot 0



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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813156366

A.2 Comments