

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5981 - L2 Version 4
Chandra X-Ray Center

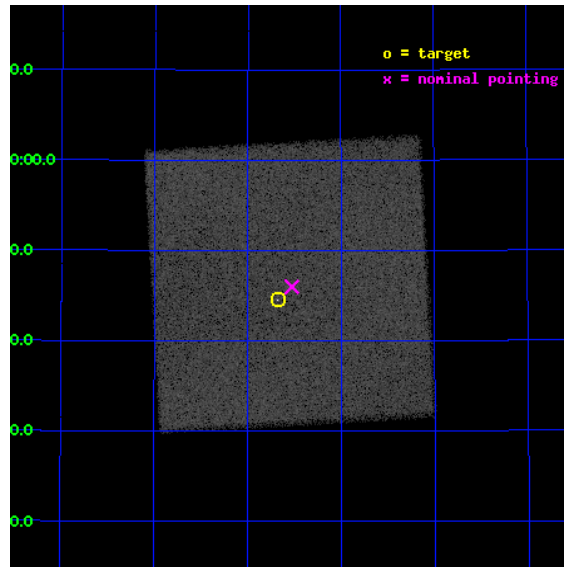
L2 Processing Date : Dec 29 2012

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

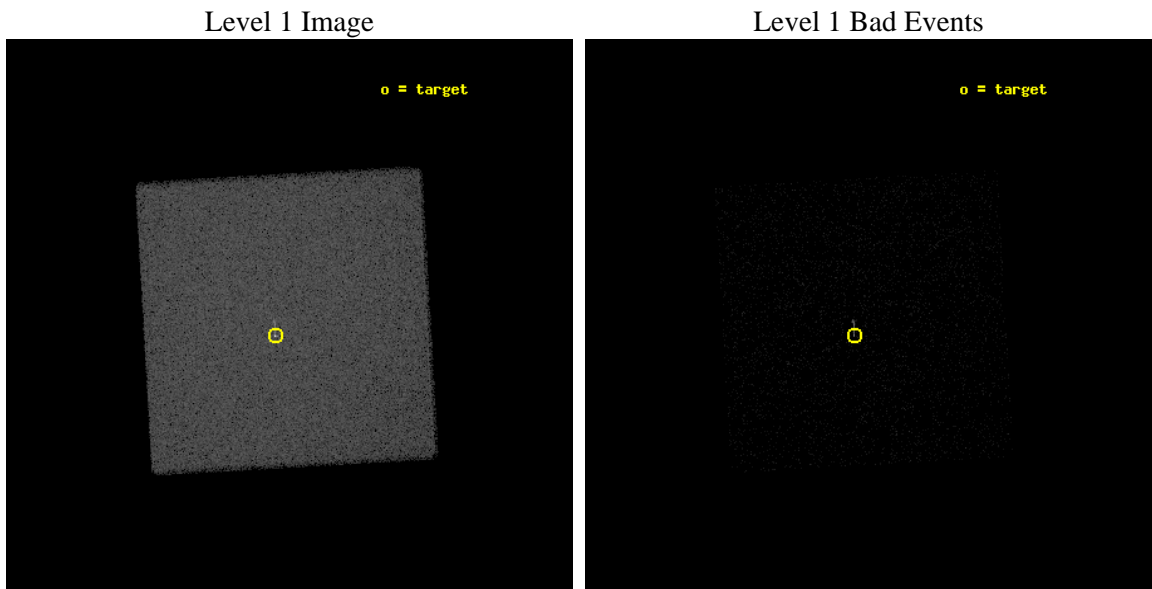
seq_num	290473	Sequence number
obs_id	5981	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13164028736	Nominal RA [deg]
dec_nom	45.766657597436	Nominal Dec [deg]
roll_nom	221.7461945394	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1180.0313042998	[s]
livetime	550.63421422511	Ontime multiplied by DTCOR
l2events	167651	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	8.5.1.1	Processing system revision	ontime	1180.0313042998	[s]
caldbver	4.5.5	 	l1events	278069	Number of level 1 events
date	2012-12-29T12:58:29	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

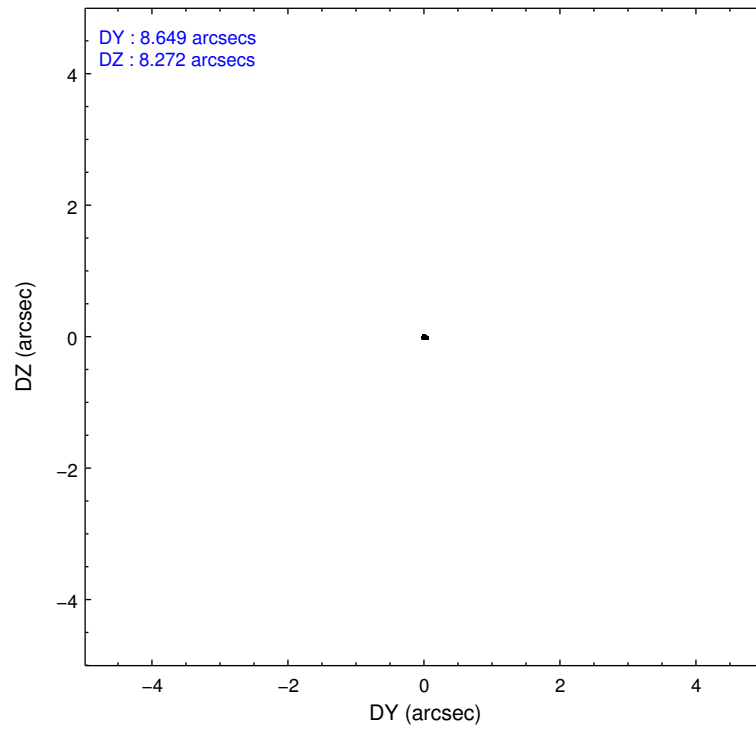
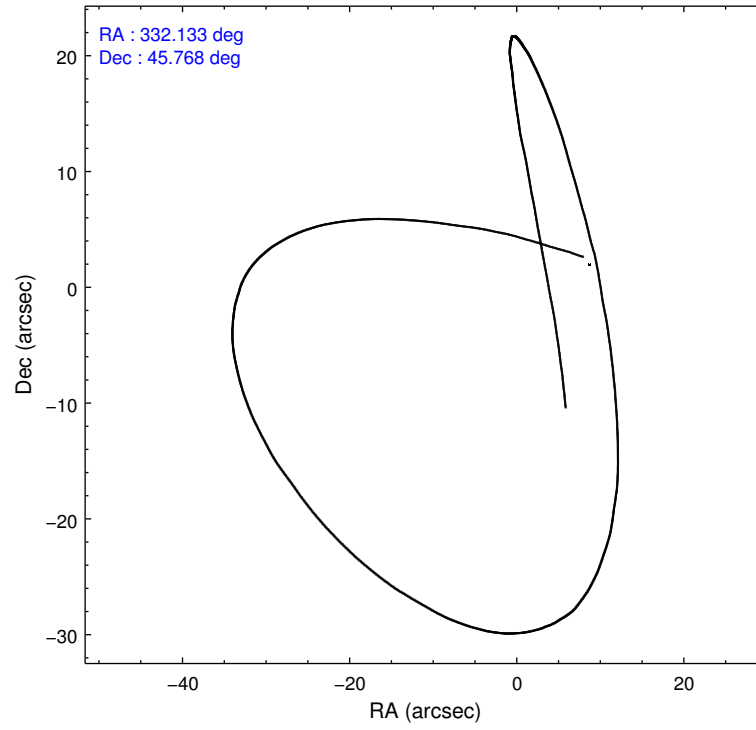
Level 1 Events

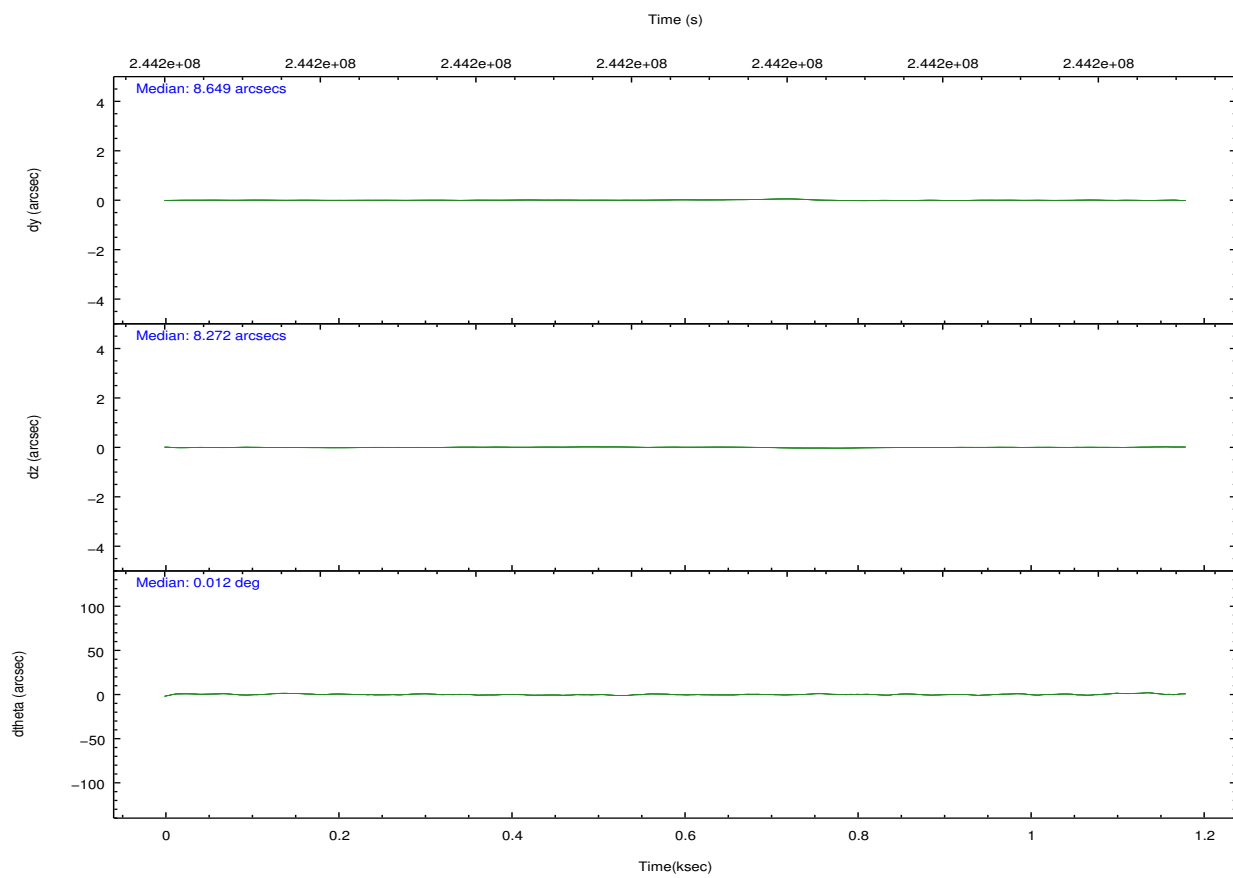
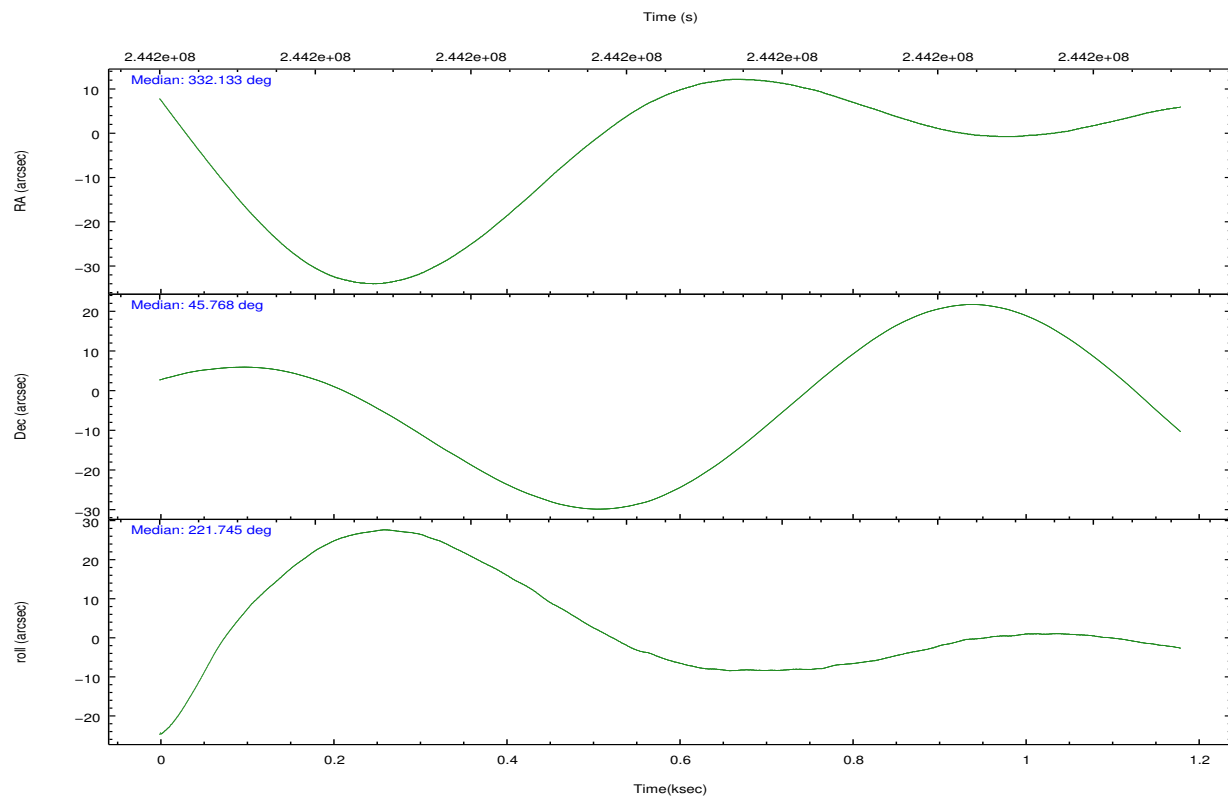
	segment 0
level 1 events	278069
rejected events	60485
rejected %	21%

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	332.143818	332.1316402873625			
[deg] Pointing Dec	45.791706	45.76665759743605			
[deg] Pointing Roll	221.833031	221.7461945393962			
[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)	244202242.184000	244201866.45972			
Observation start date	2005-09-27T09:56:18	2005-09-27T09:51:06			
[s] Observation end time (MET)	244203242.184000	244203376.28479			
Observation end date	2005-09-27T10:12:58	2005-09-27T10:16:16			

2.3 Aspect



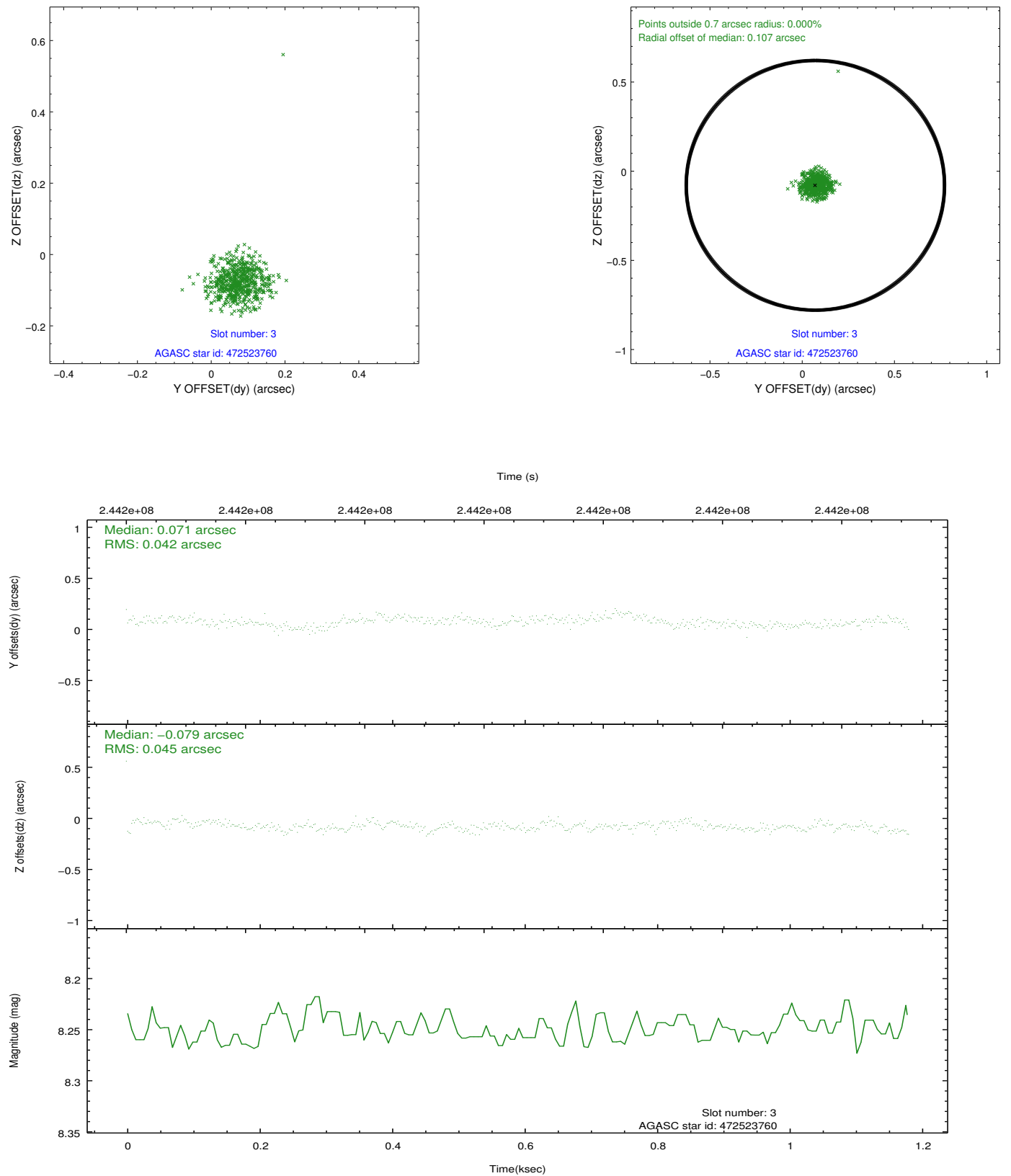


Slot Statistics

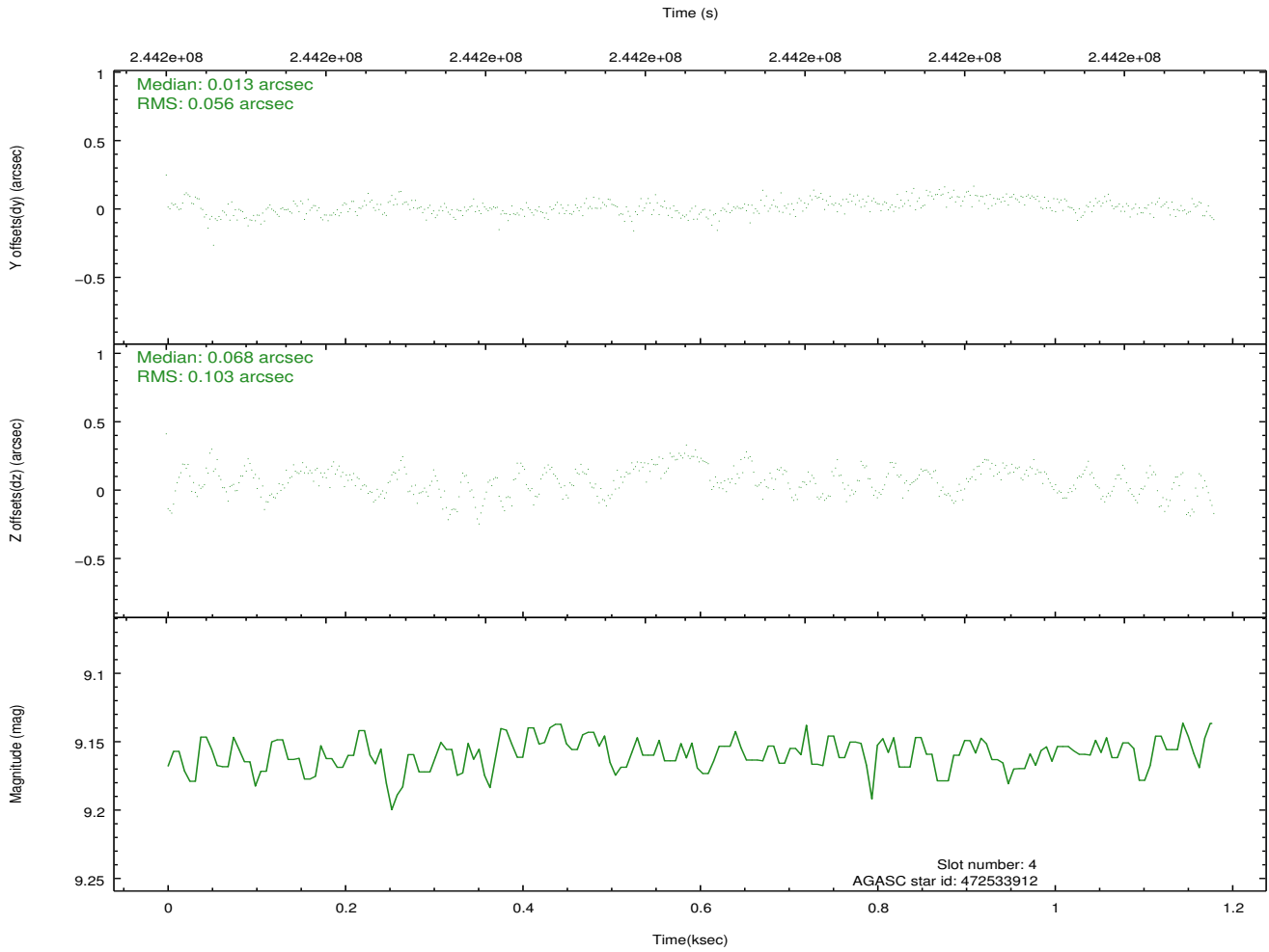
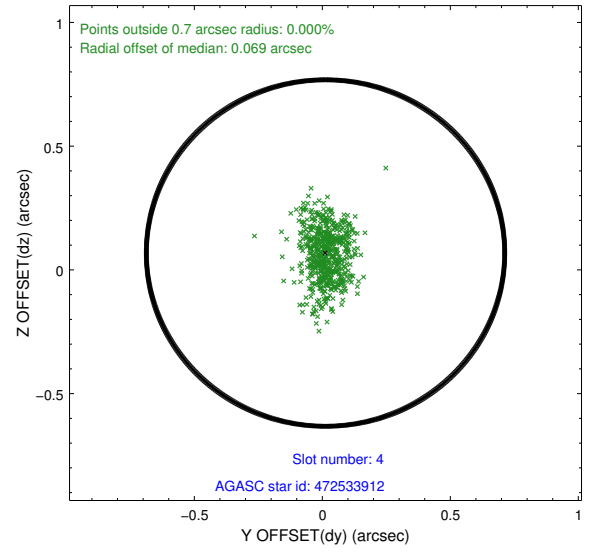
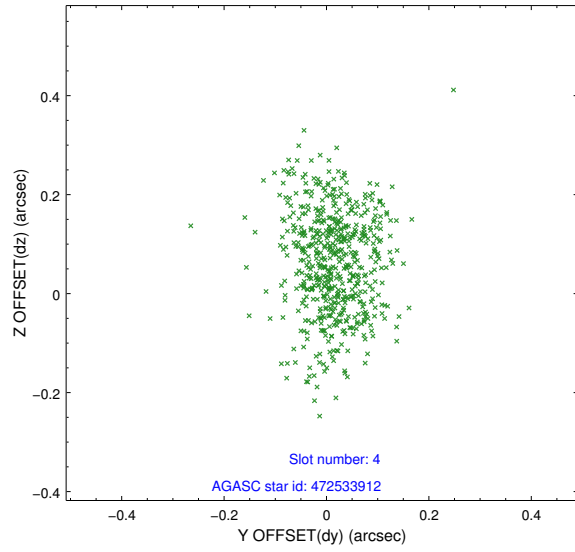
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	288	-0.032	0.016	0.005	0.009	0.000000	0.000000	-764.40	-1296.09
1	FID	HRC-I-2	7.02	288	0.143	-0.087	0.007	0.011	0.000000	0.000000	845.75	-1302.36
2	FID	HRC-I-4	7.01	288	0.005	-0.021	0.005	0.009	0.000000	0.000000	1281.51	1001.39
3	GUIDE	472523760	8.25	577	0.071	-0.079	0.060	0.093	331.645363	45.403260	1869.82	202.70
4	GUIDE	472533912	9.16	577	0.013	0.068	0.123	0.210	331.791136	46.368695	-729.82	-2128.96
5	GUIDE	472655152	9.43	577	0.093	-0.030	0.109	0.191	332.504239	45.862991	-846.05	410.34
6	GUIDE	472525528	6.66	577	-0.207	0.040	0.071	0.120	331.551102	45.248694	2418.62	455.30
7	GUIDE	472659832	9.46	575	0.021	0.004	0.081	0.136	332.780399	46.098139	-1918.92	238.14

2.4 Star Slots

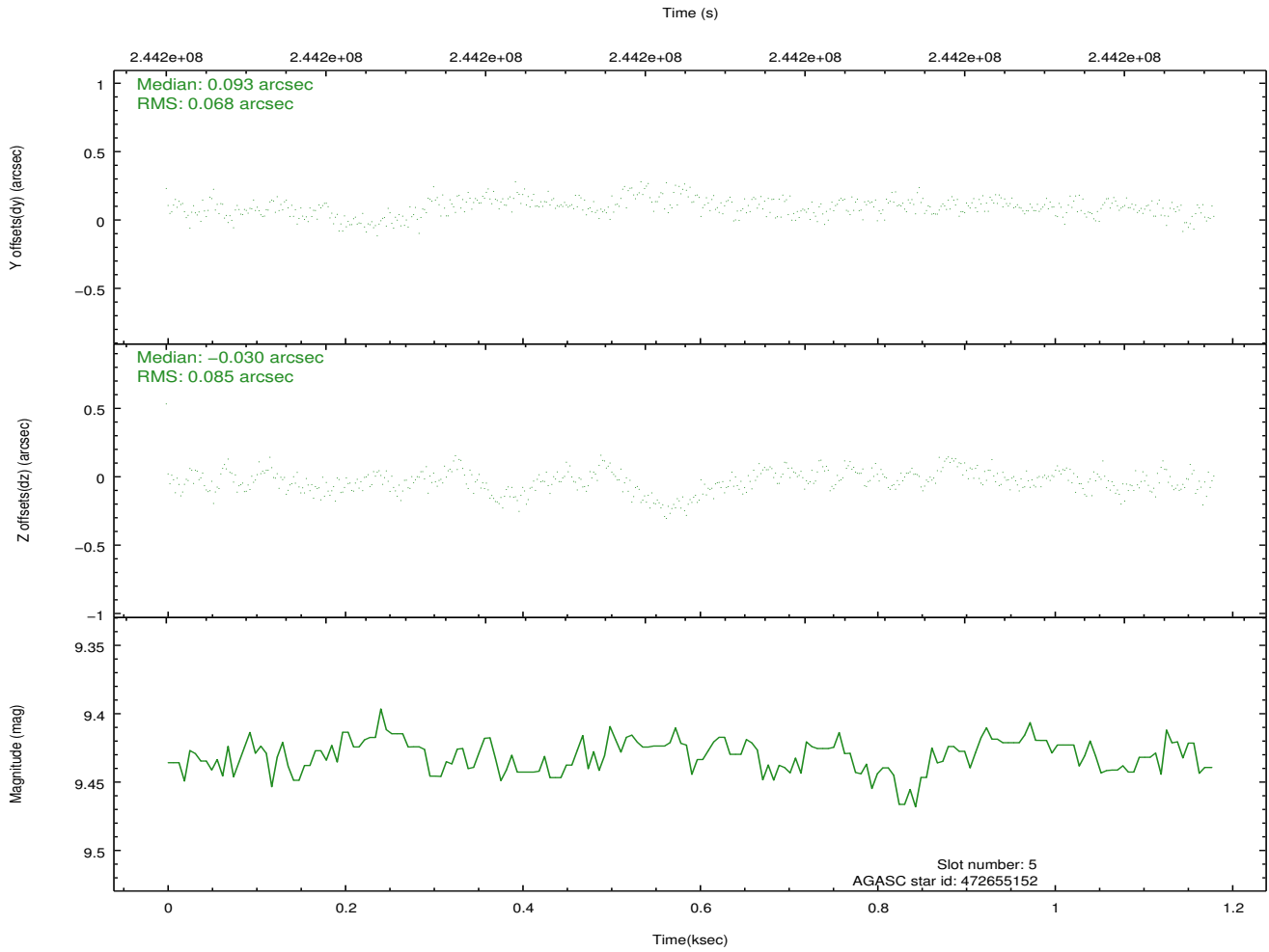
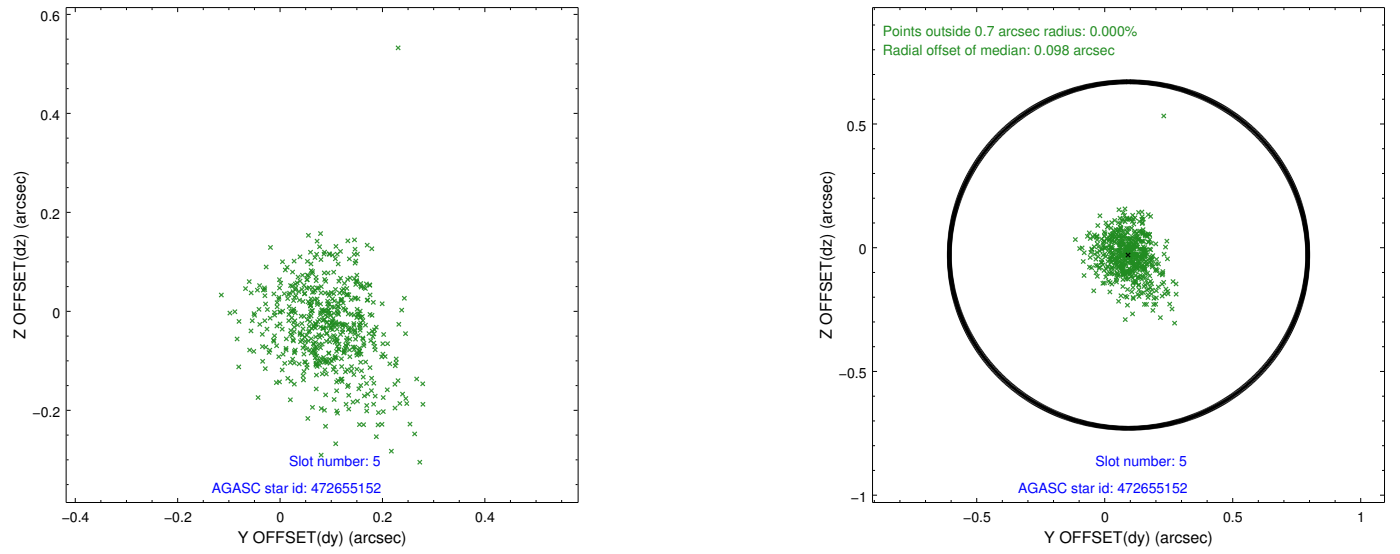
2.4.1 Slot 3



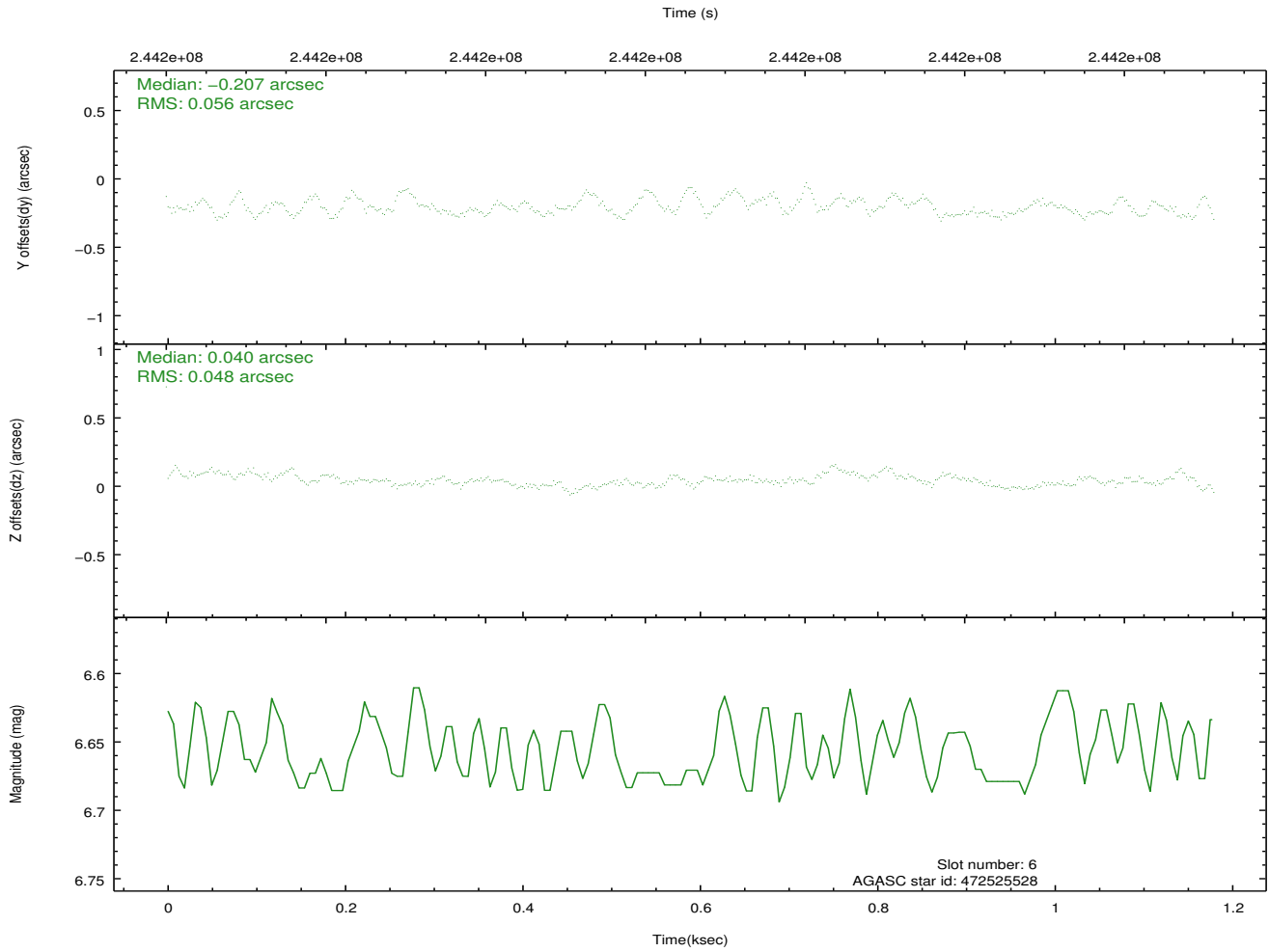
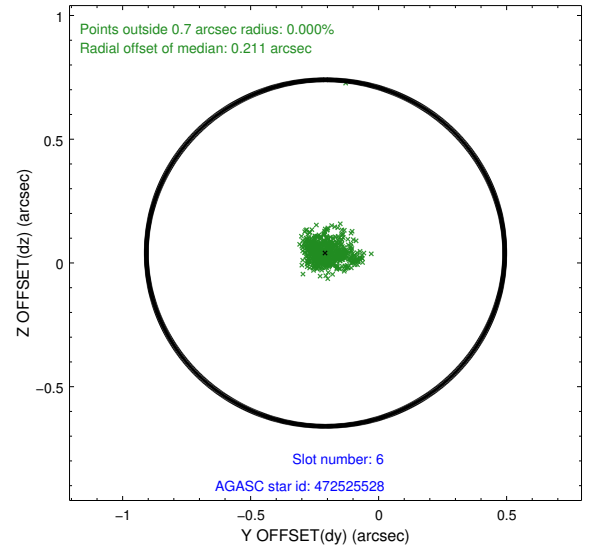
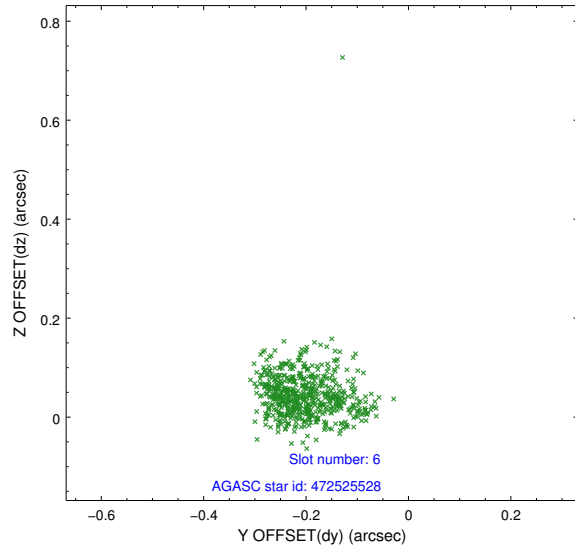
2.4.2 Slot 4



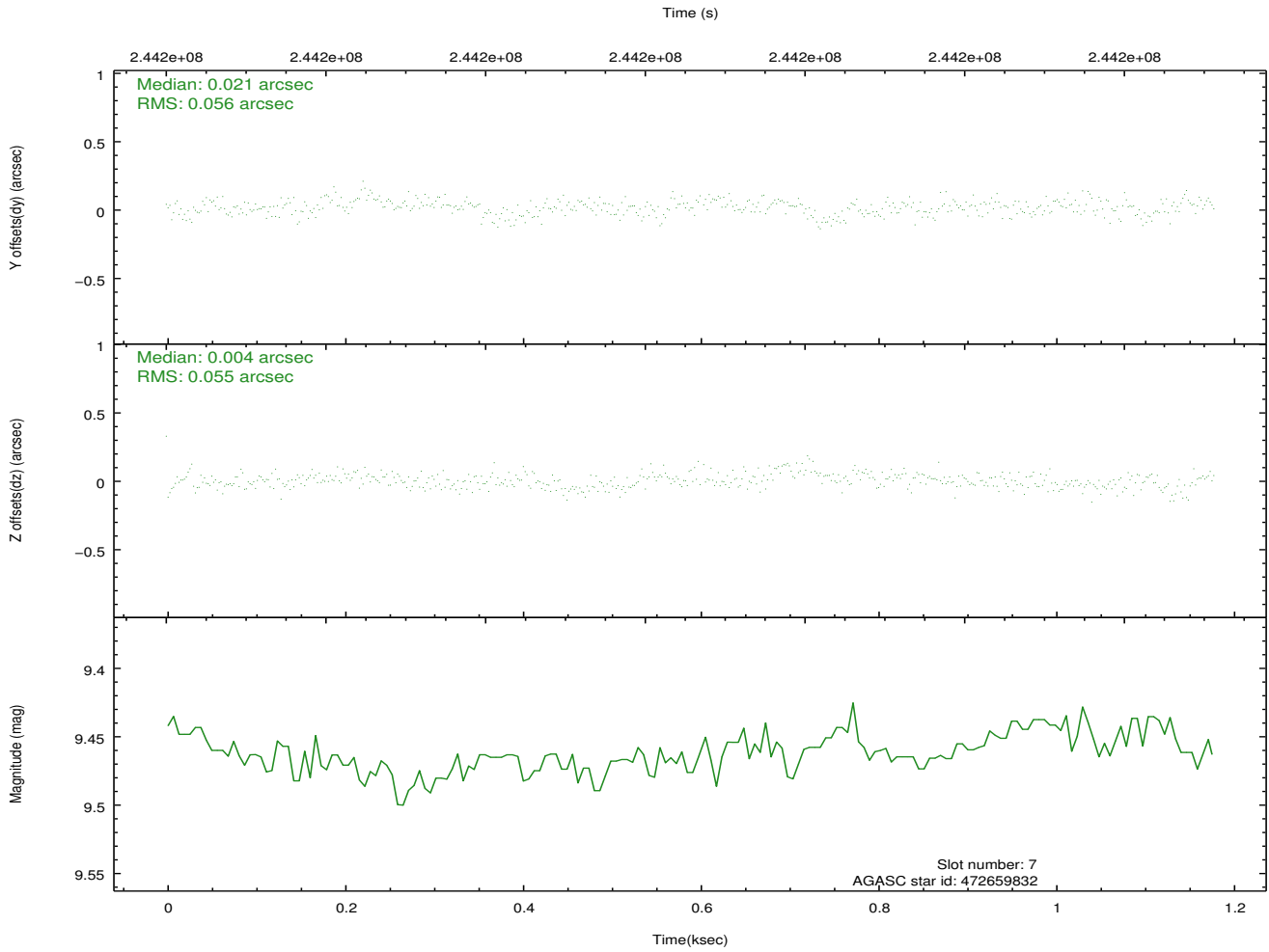
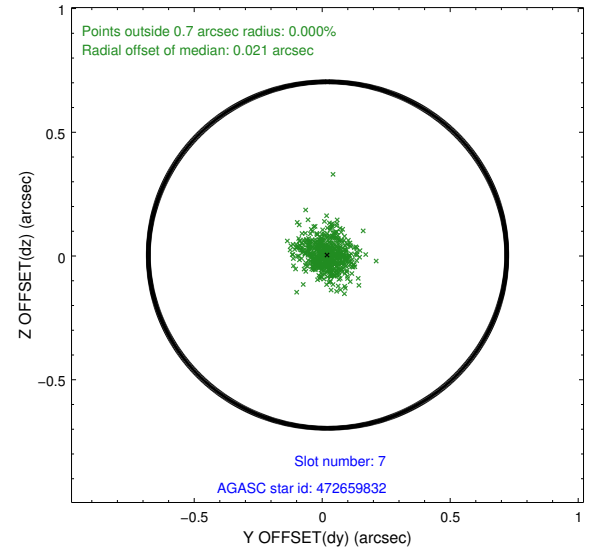
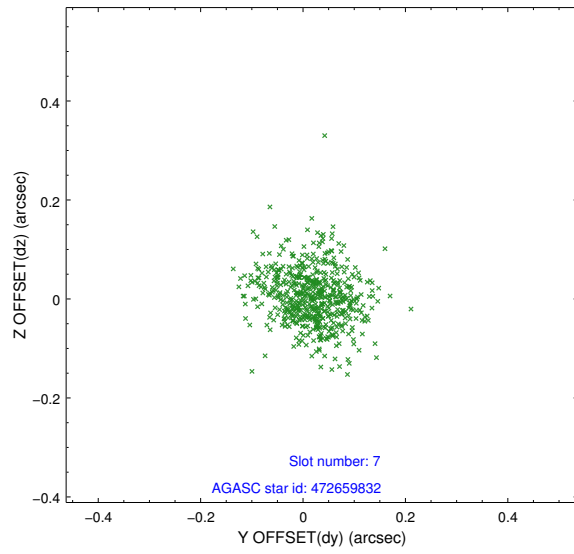
2.4.3 Slot 5



2.4.4 Slot 6

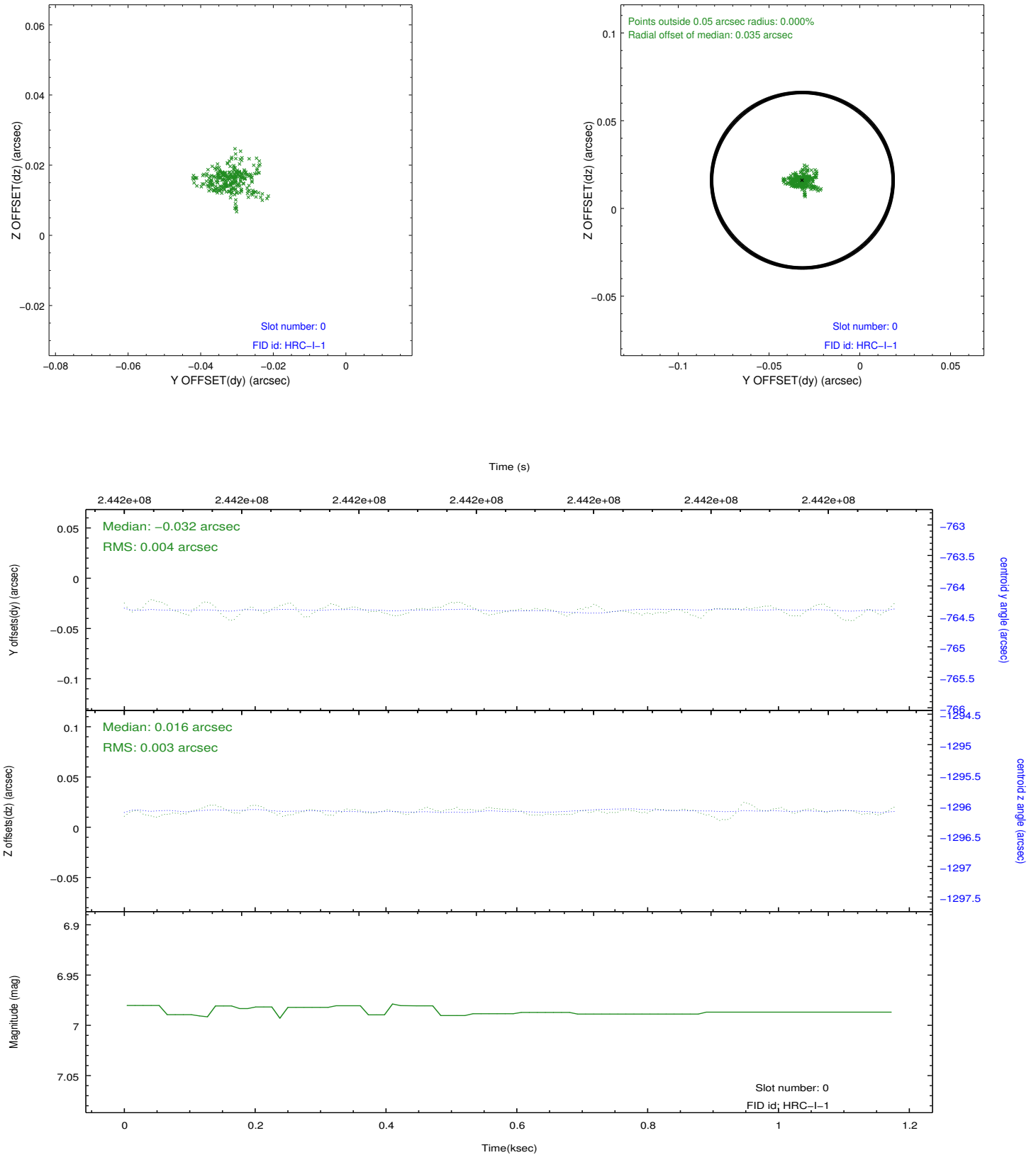


2.4.5 Slot 7

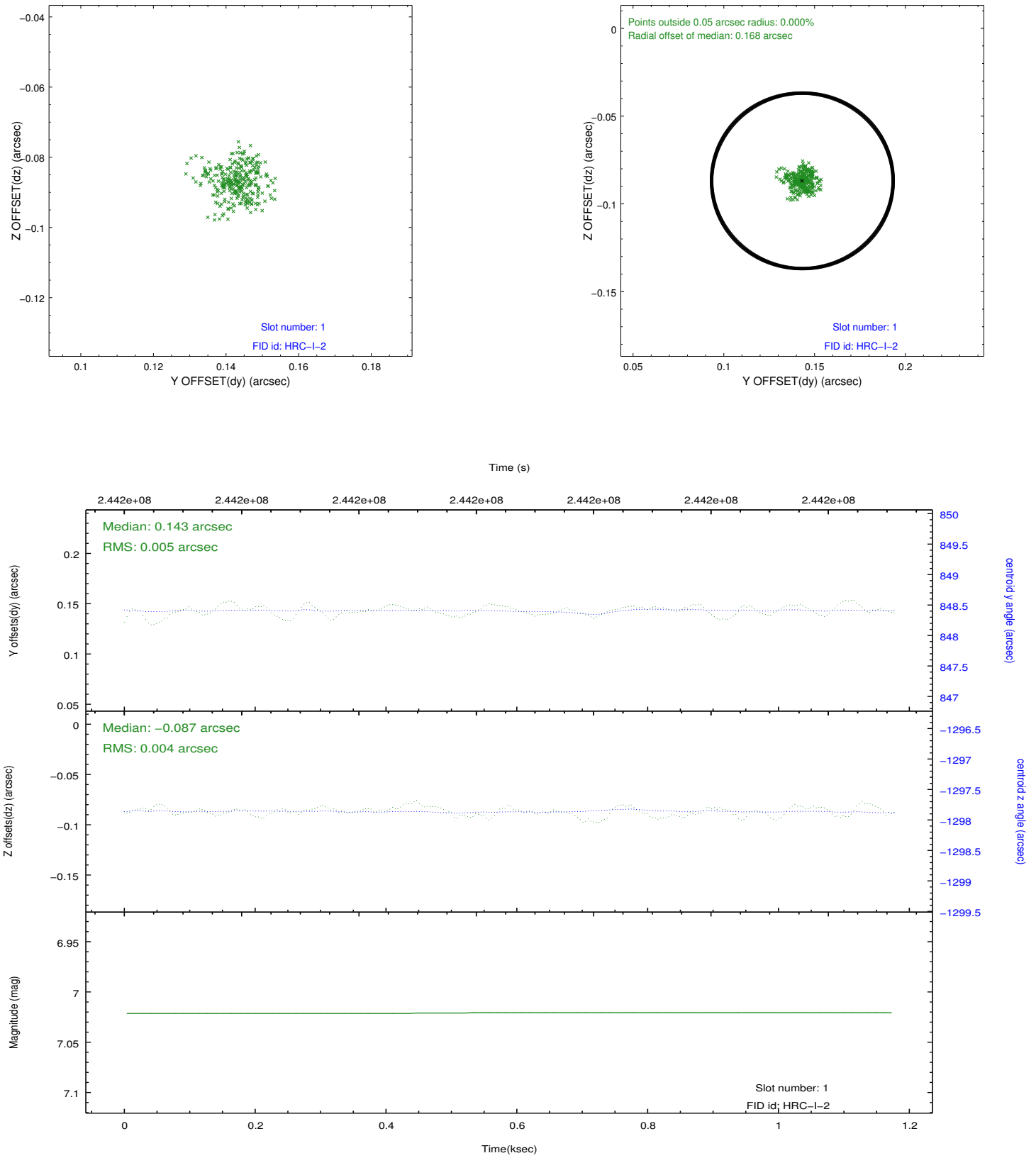


2.5 FID Slots

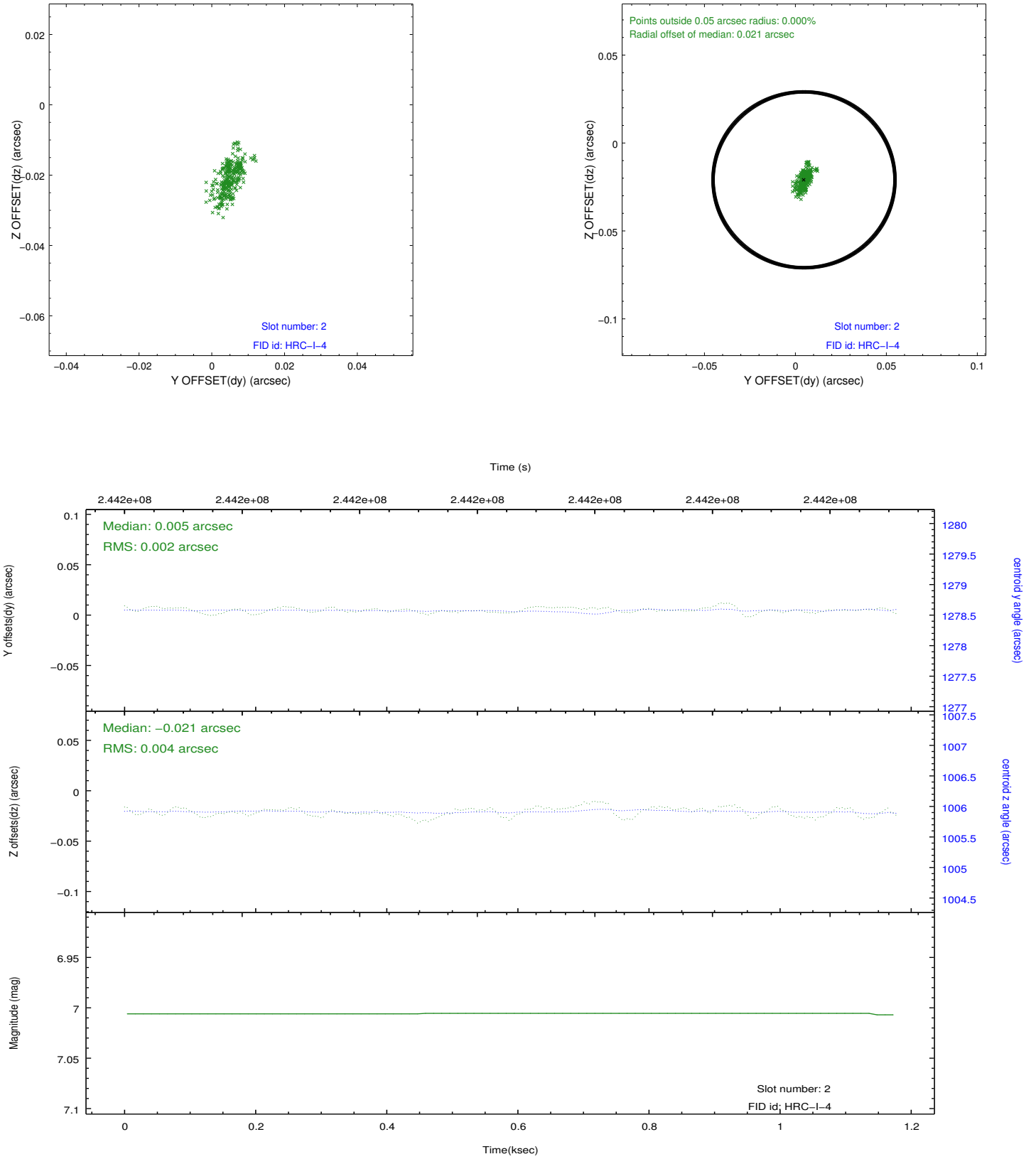
2.5.1 Slot 0



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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.180031

A.2 Comments