

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14241 - L2 Version 3
Chandra X-Ray Center

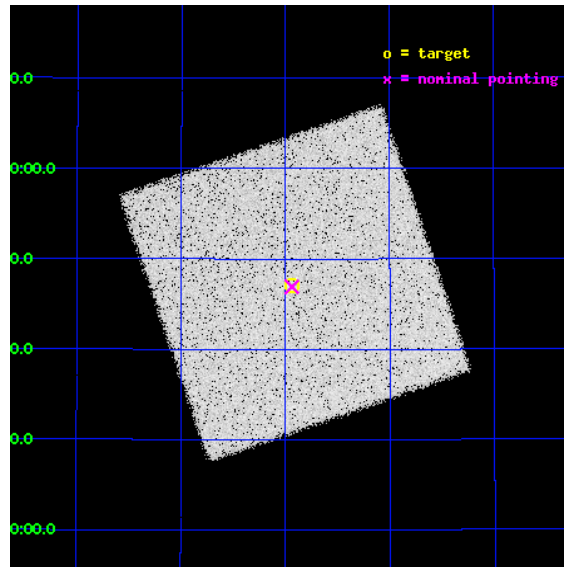
L2 Processing Date : Jul 28 2012

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

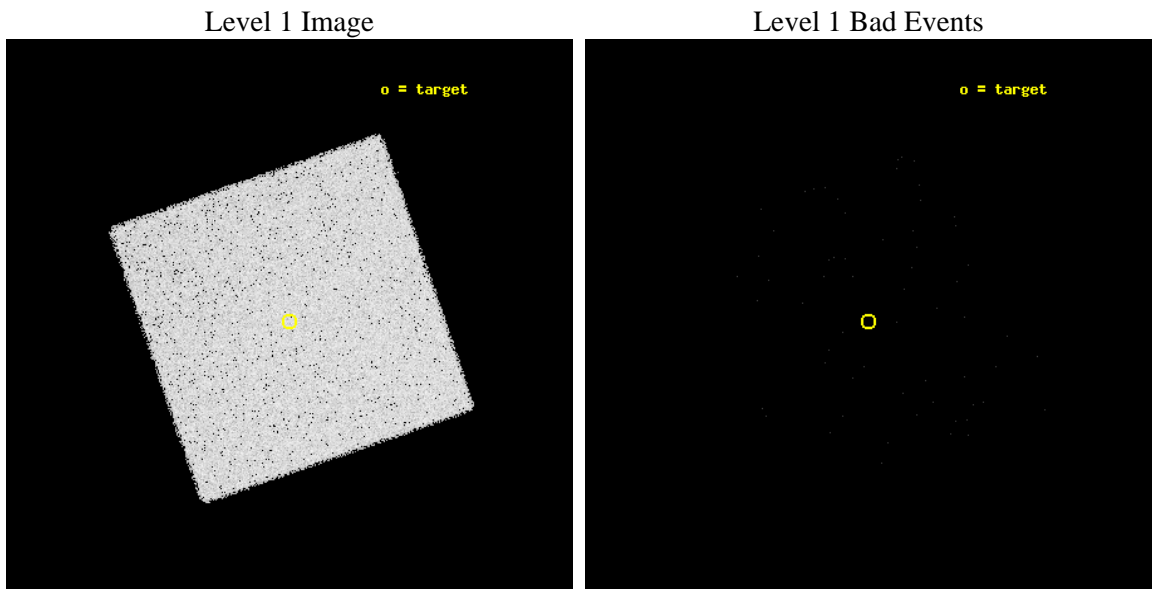
seq_num	291014	Sequence number
obs_id	14241	Observation id
title	AO-13 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23437302592	Nominal RA [deg]
dec_nom	38.781862010152	Nominal Dec [deg]
roll_nom	296.03357596076	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2161.9813637733	[s]
liveltime	2141.475651601	Ontime multiplied by DTCOR
l2events	145334	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2161.9813637733	[s]
caldbver	4.5.1	 	l1events	287118	Number of level 1 events
date	2012-07-28T05:14:36	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

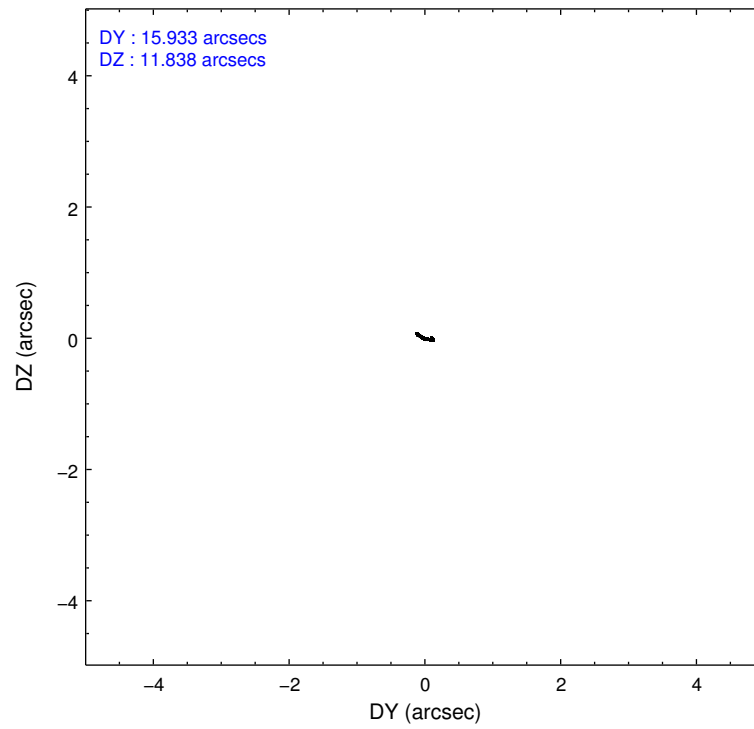
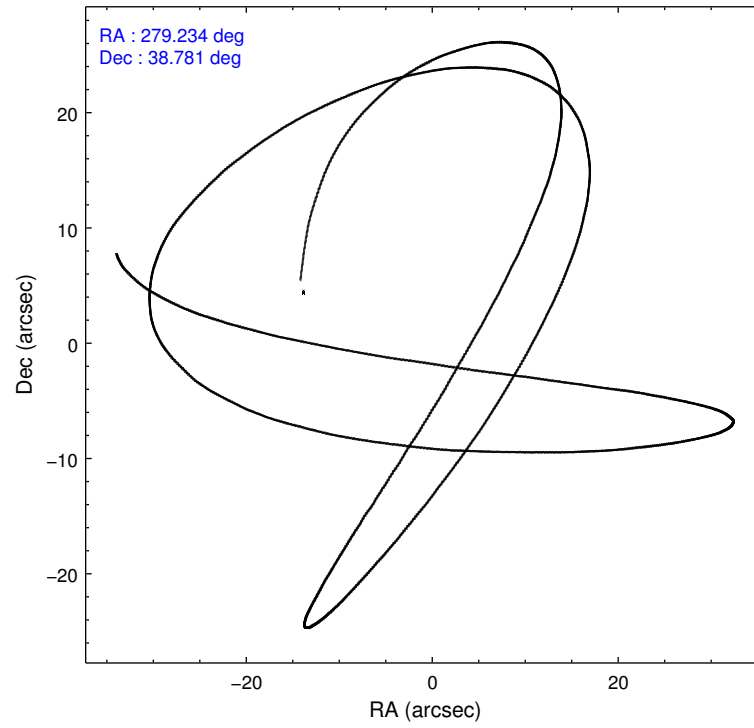
Level 1 Events

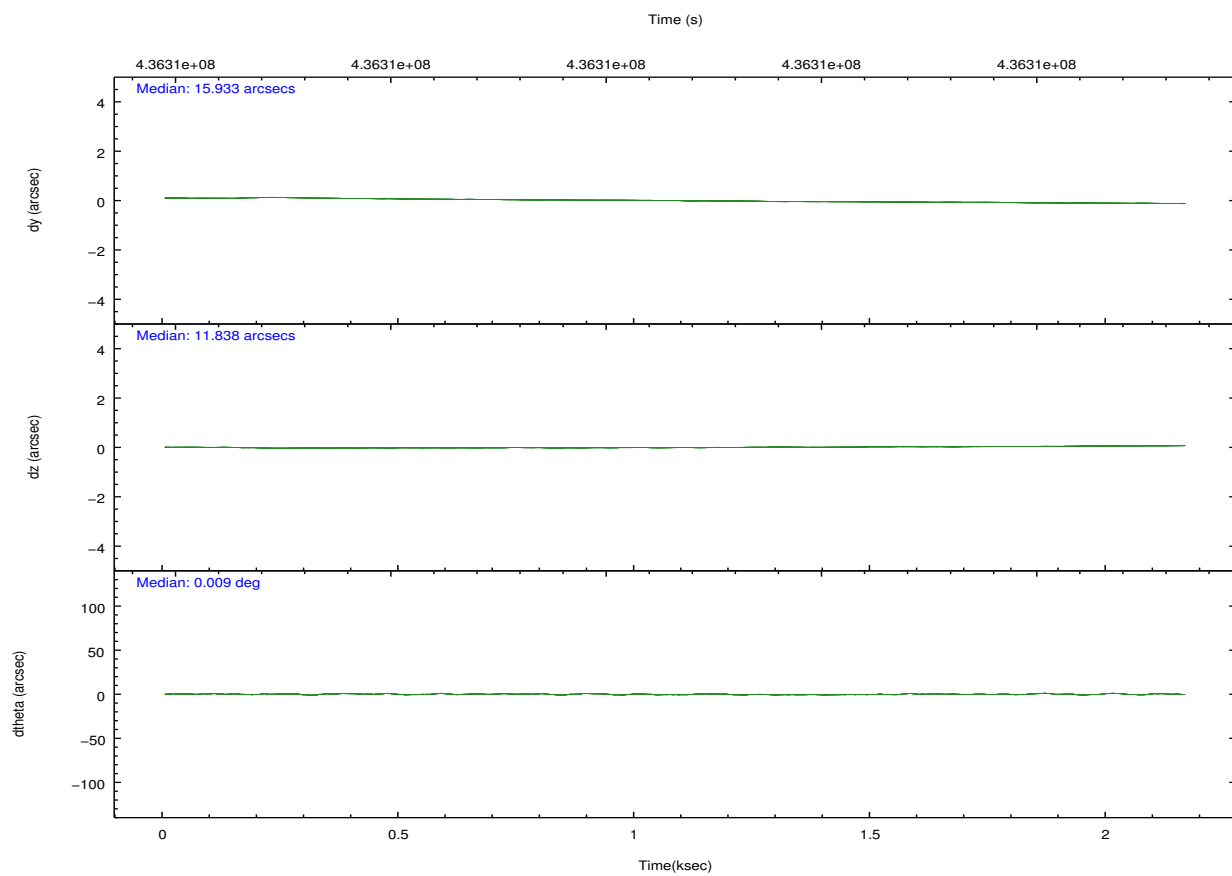
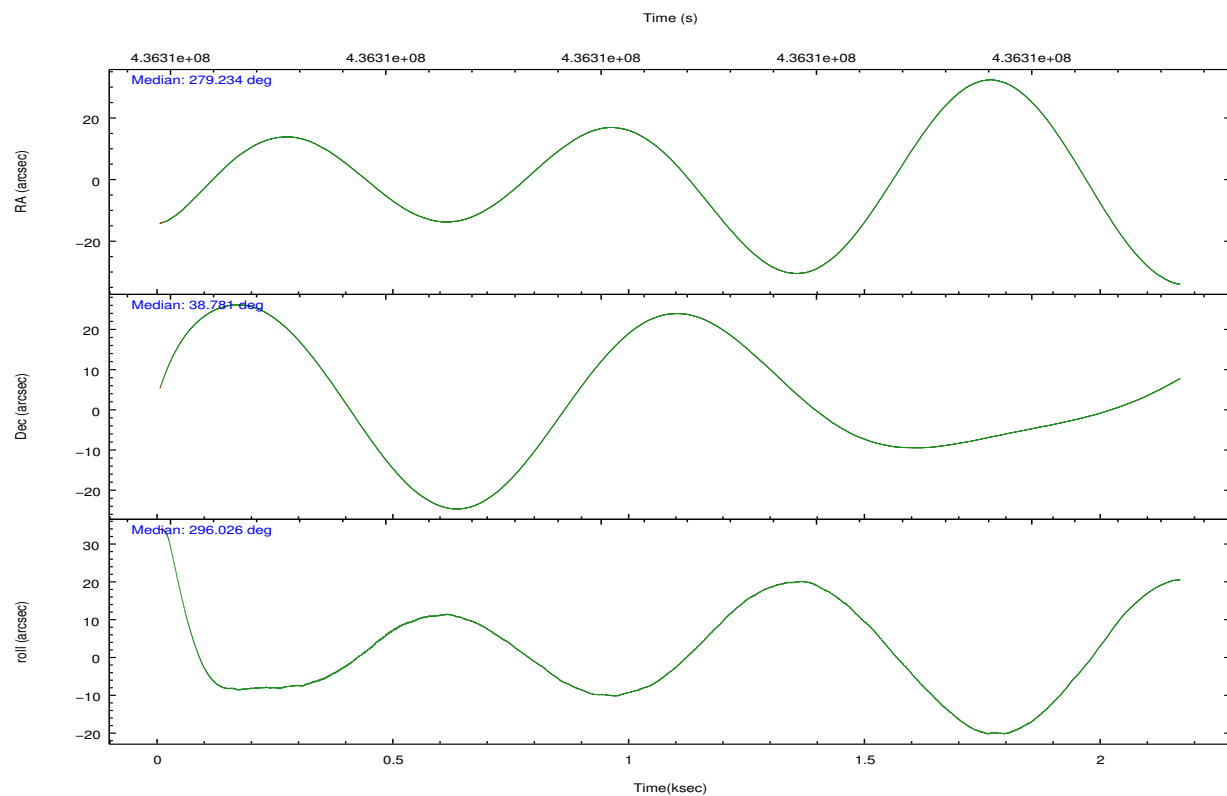
	segment 0
level 1 events	287118
rejected events	84983
rejected %	29%

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	279.204620	279.2343730259176			
[deg] Pointing Dec	38.796476	38.78186201015225			
[deg] Pointing Roll	296.147506	296.033575960759			
[s] Window start time (MET)	431222466.184000	431222466.184000			
[s] Window stop time (MET)	436406466.184000	436406466.184000			
[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)	436311240.184000	436310183.09581			
Observation start date	2011-10-29T21:32:54	2011-10-29T21:16:23			
[s] Observation end time (MET)	436313240.184000	436313378.02098			
Observation end date	2011-10-29T22:06:14	2011-10-29T22:09:38			

2.3 Aspect



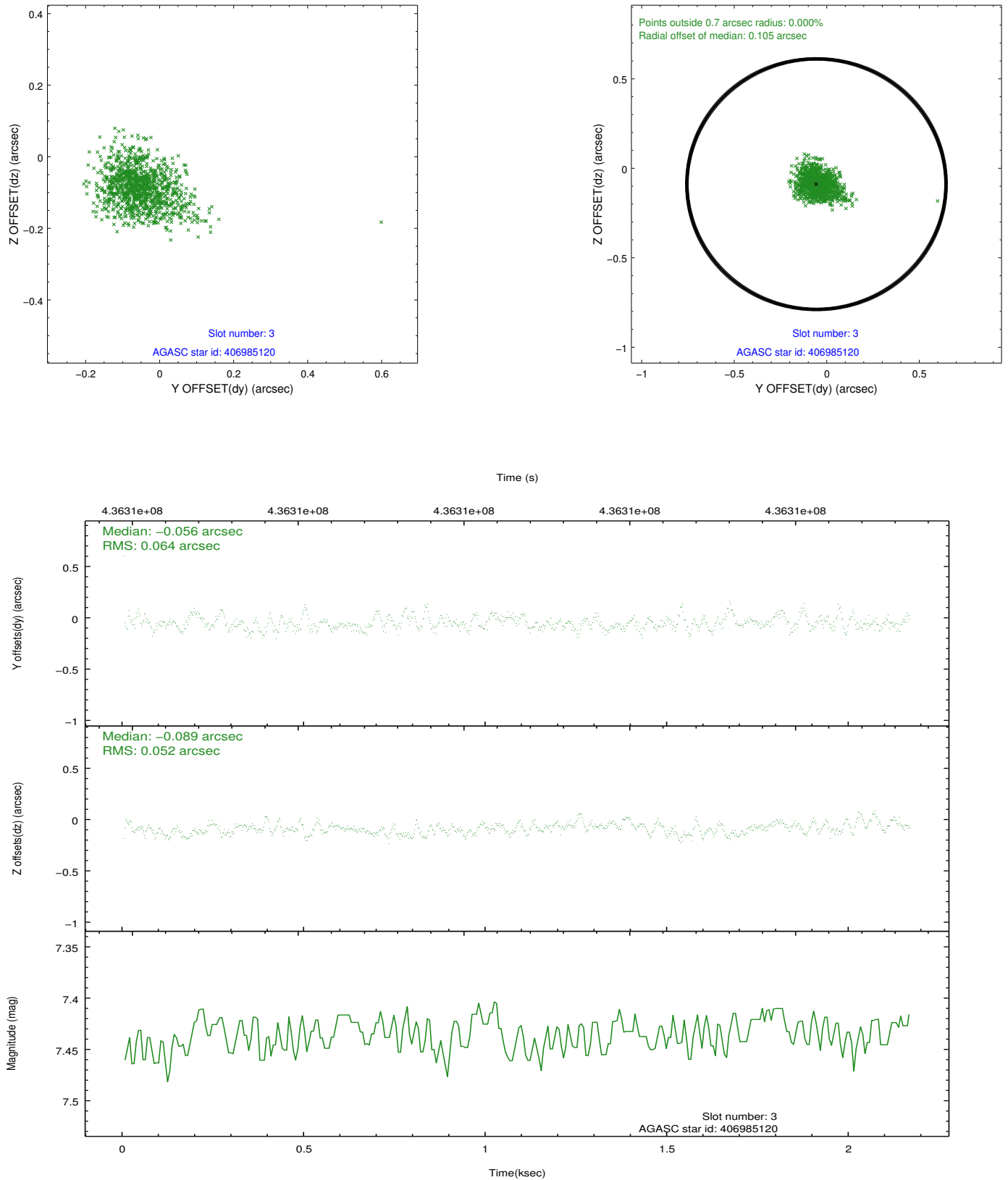


Slot Statistics

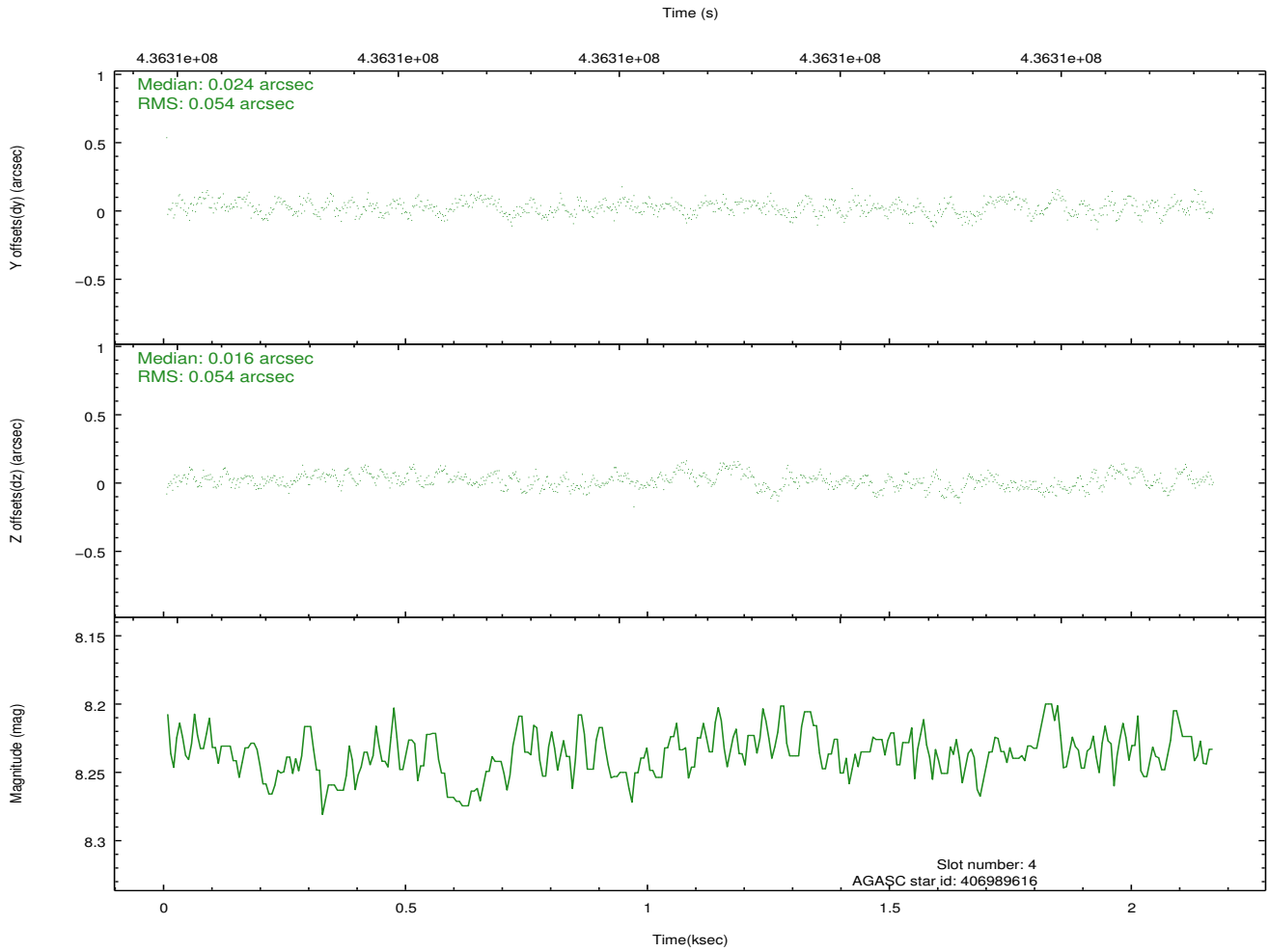
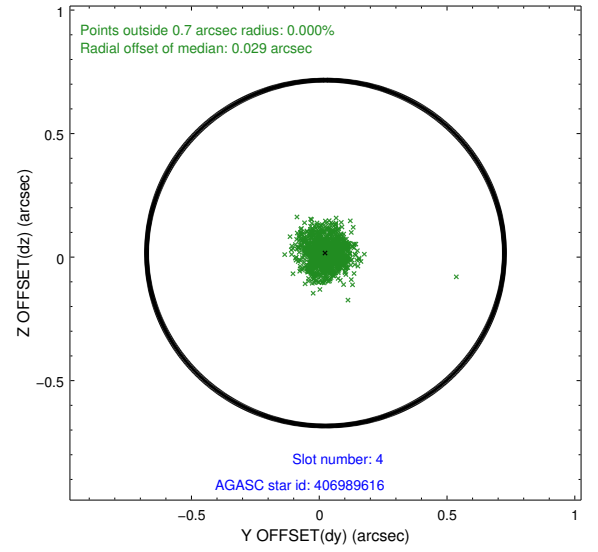
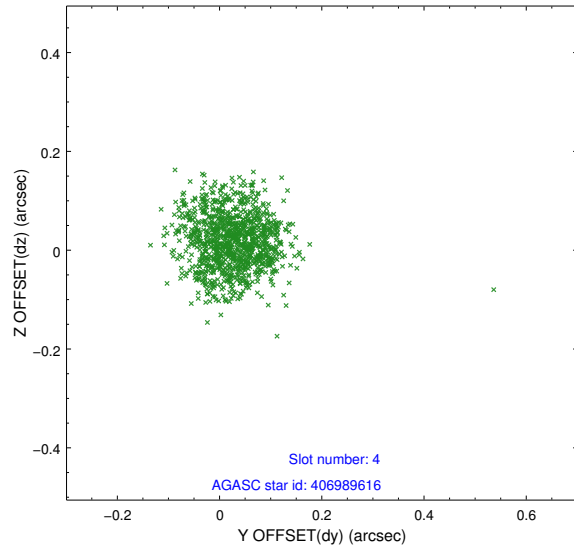
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.95	528	0.107	-0.108	0.007	0.011	0.000000	0.000000	840.96	-1301.52
1	FID	HRC-I-3	7.01	528	-0.156	0.048	0.006	0.010	0.000000	0.000000	-1198.80	1002.32
2	FID	HRC-I-4	6.93	528	0.167	-0.027	0.007	0.012	0.000000	0.000000	1268.94	1004.19
3	GUIDE	406985120	7.43	1055	-0.056	-0.089	0.085	0.142	278.839732	38.894839	-770.01	-761.77
4	GUIDE	406989616	8.24	1056	0.024	0.016	0.083	0.124	279.202881	38.520843	888.13	-443.09
5	GUIDE	406993992	7.66	1056	0.160	-0.013	0.091	0.145	279.053714	38.034587	2275.10	-1593.34
6	GUIDE	407521232	8.64	1055	0.016	-0.028	0.095	0.157	279.628883	39.431715	-1533.34	2065.50
7	GUIDE	406987272	6.95	1055	-0.148	0.110	0.073	0.119	278.536588	38.437504	321.93	-2256.18

2.4 Star Slots

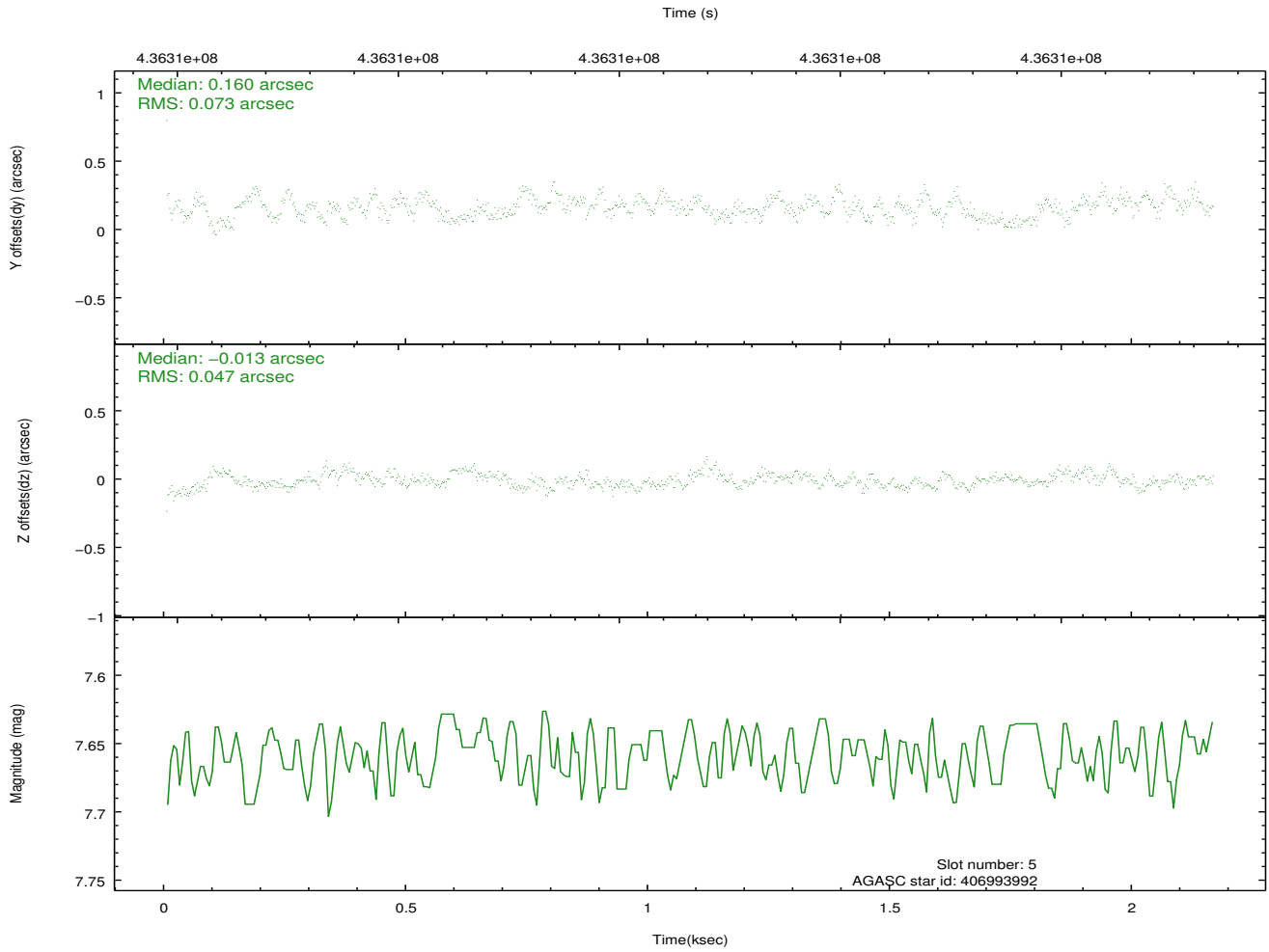
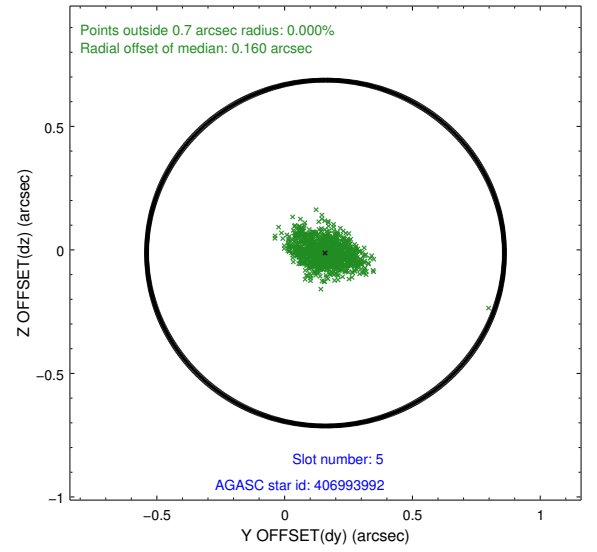
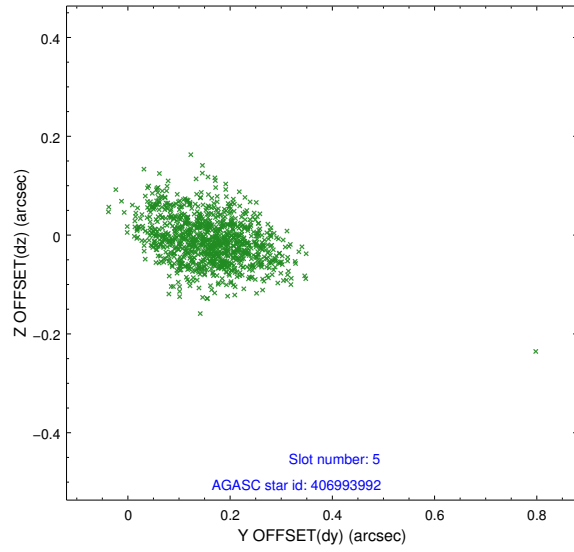
2.4.1 Slot 3



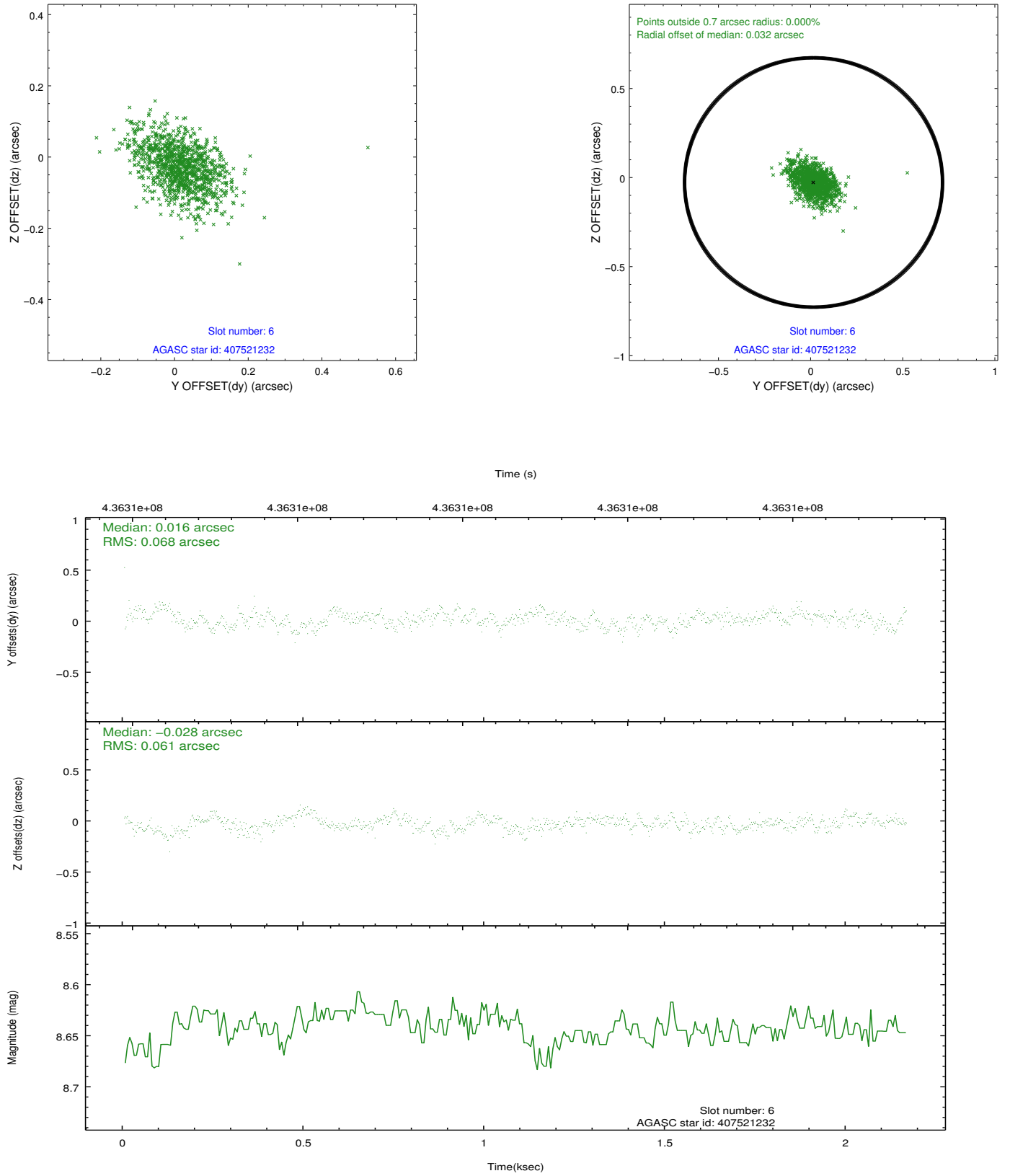
2.4.2 Slot 4



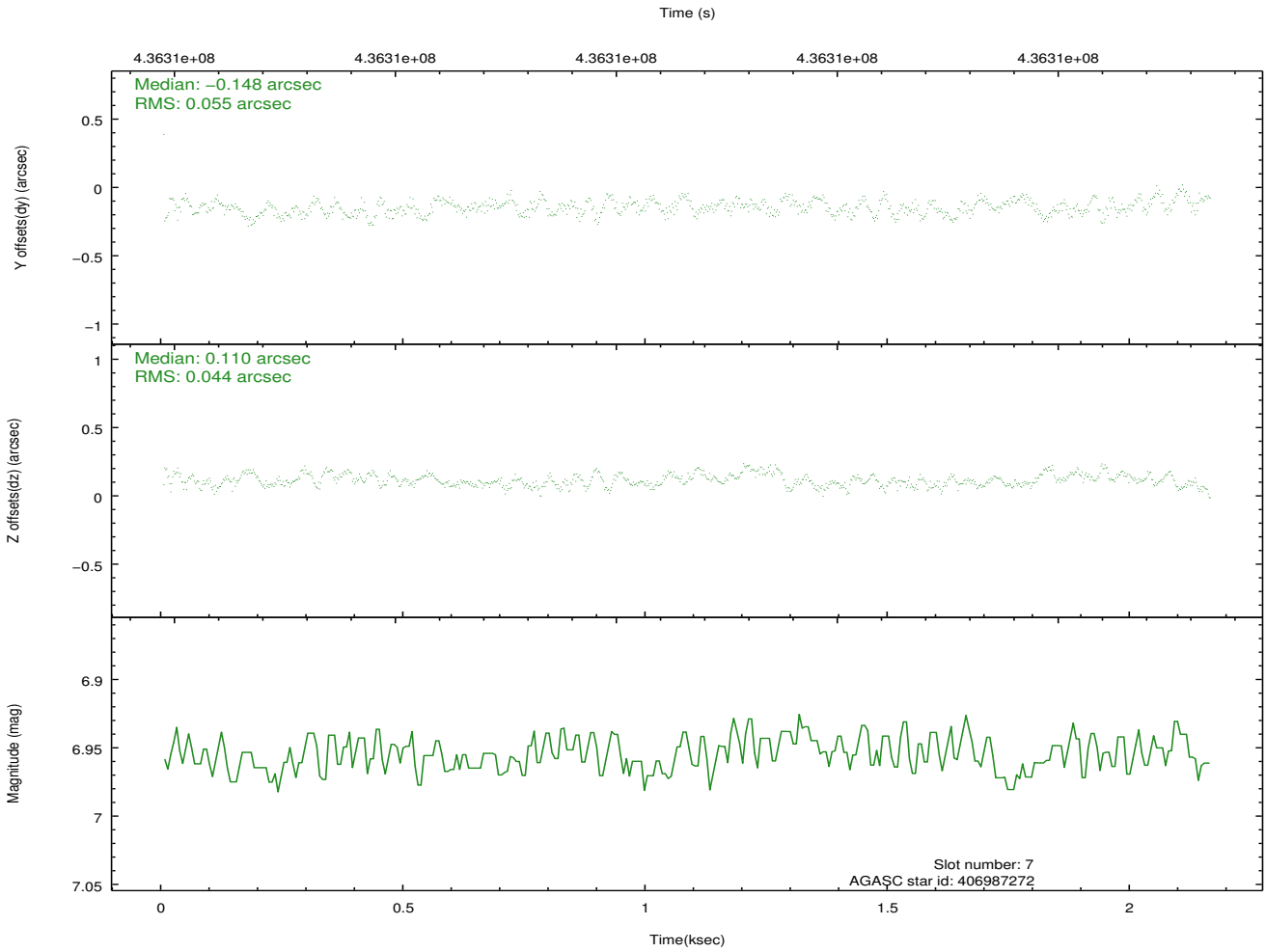
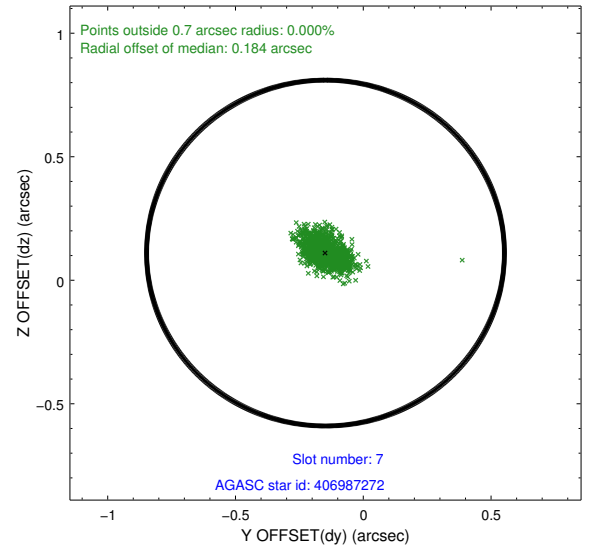
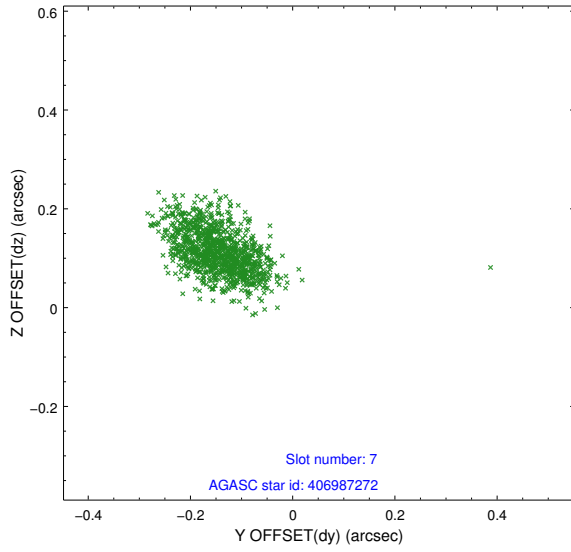
2.4.3 Slot 5



2.4.4 Slot 6

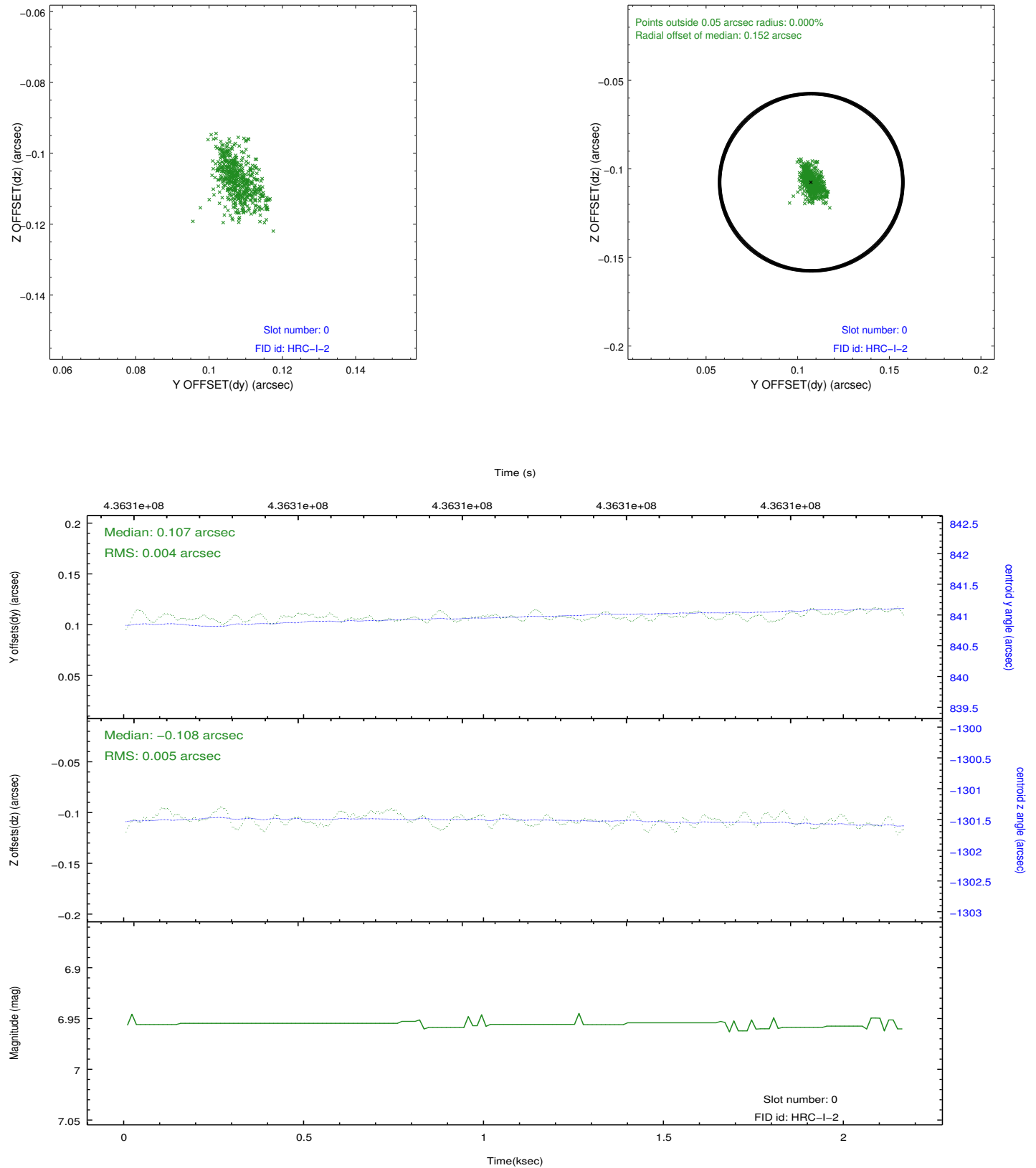


2.4.5 Slot 7

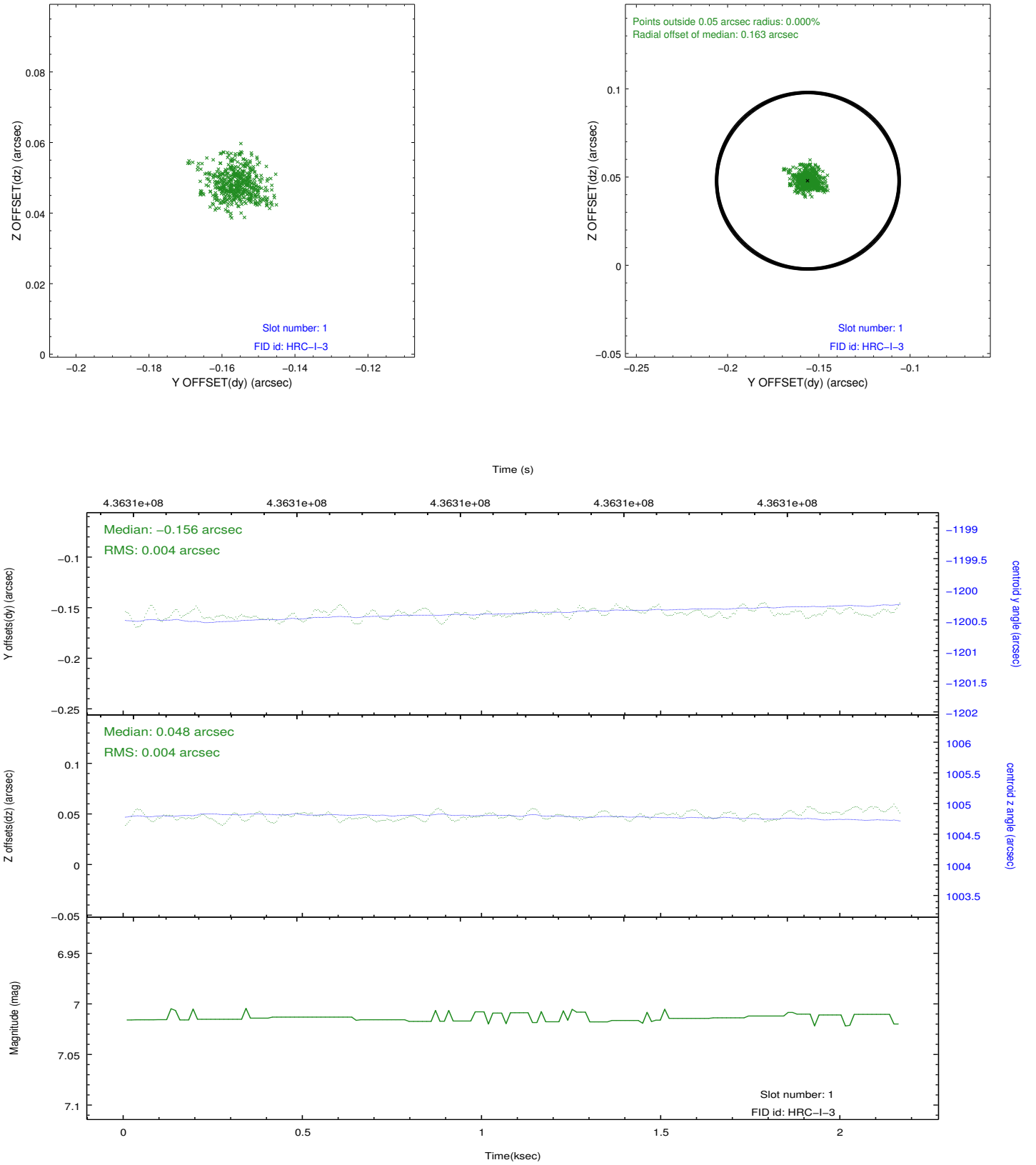


2.5 FID Slots

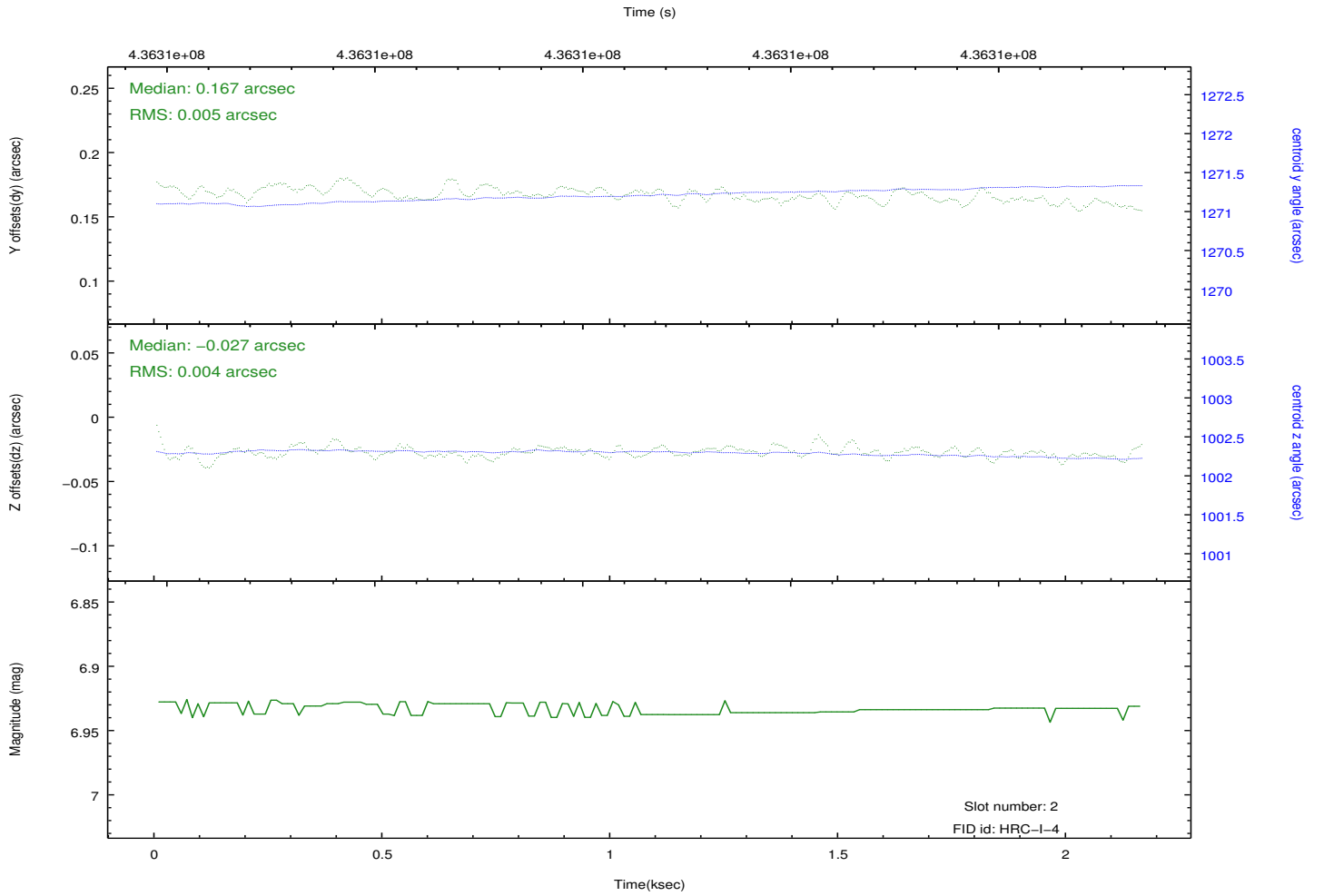
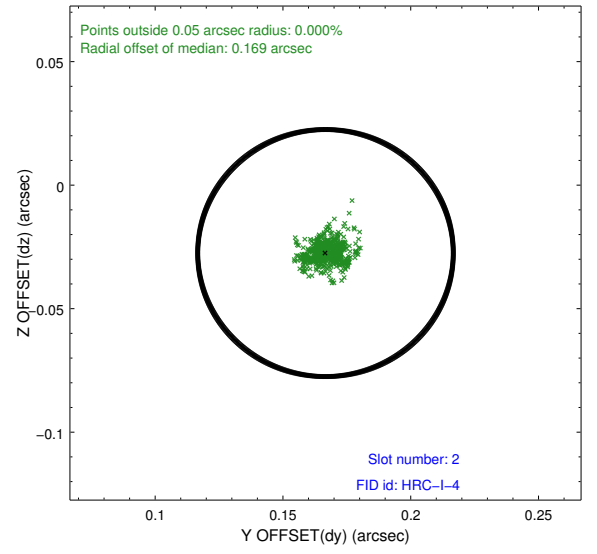
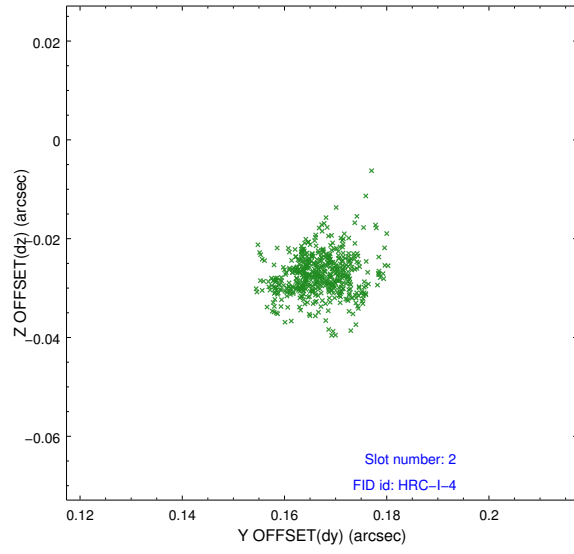
2.5.1 Slot 0



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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1619813640714

A.2 Comments

Window constraint met.