

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8347 - L2 Version 5
Chandra X-Ray Center

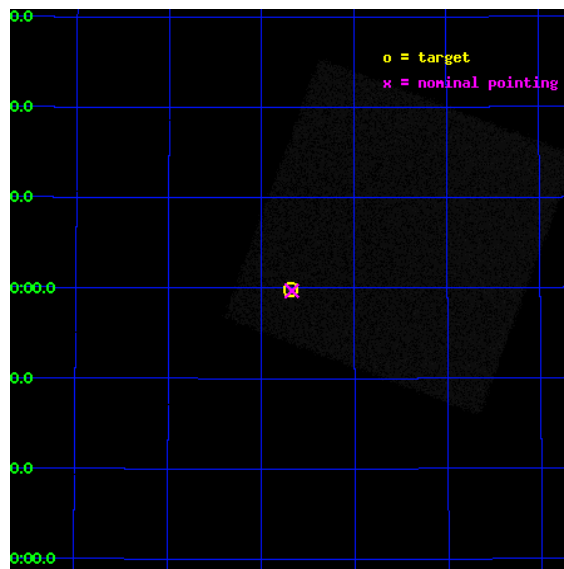
L2 Processing Date : Aug 11 2012

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1 Front

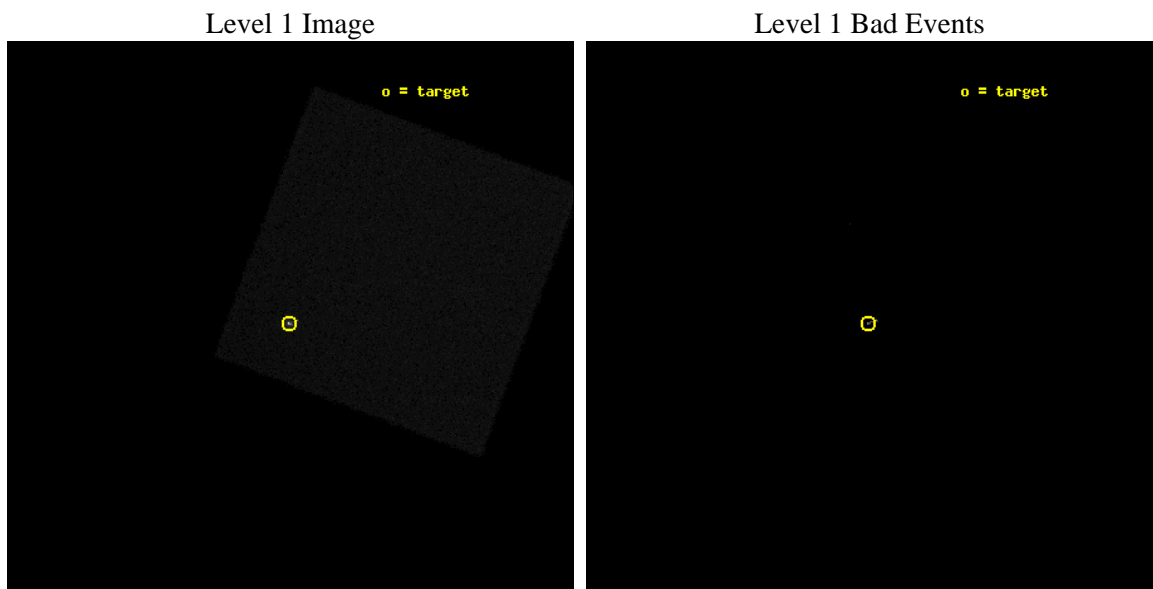
seq_num	290726	Sequence number
obs_id	8347	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168124173095	Nominal RA [deg]
dec_nom	45.99526111565	Nominal Dec [deg]
roll_nom	245.52539259513	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5185.7314957976	[s]
livetime	5132.0347024883	Ontime multiplied by DTCOR
l2events	361812	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5185.7314957976	[s]
caldbver	4.5.1.1	 	l1events	522394	Number of level 1 events
date	2012-08-11T17:23:55	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

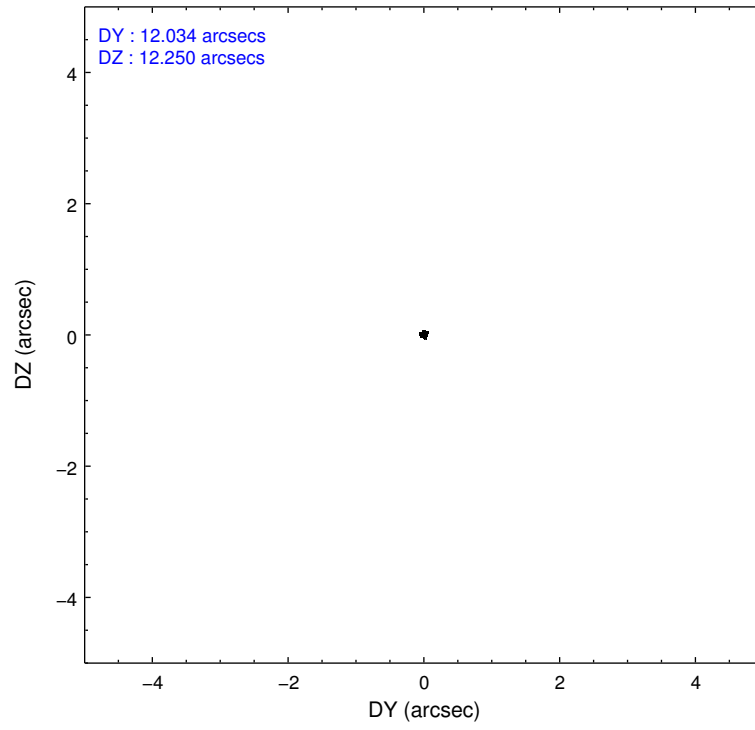
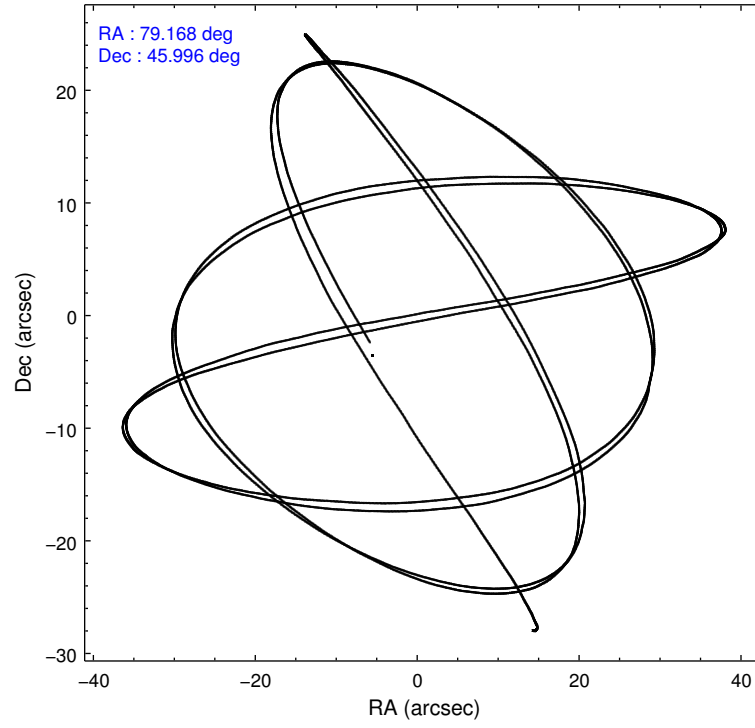
Level 1 Events

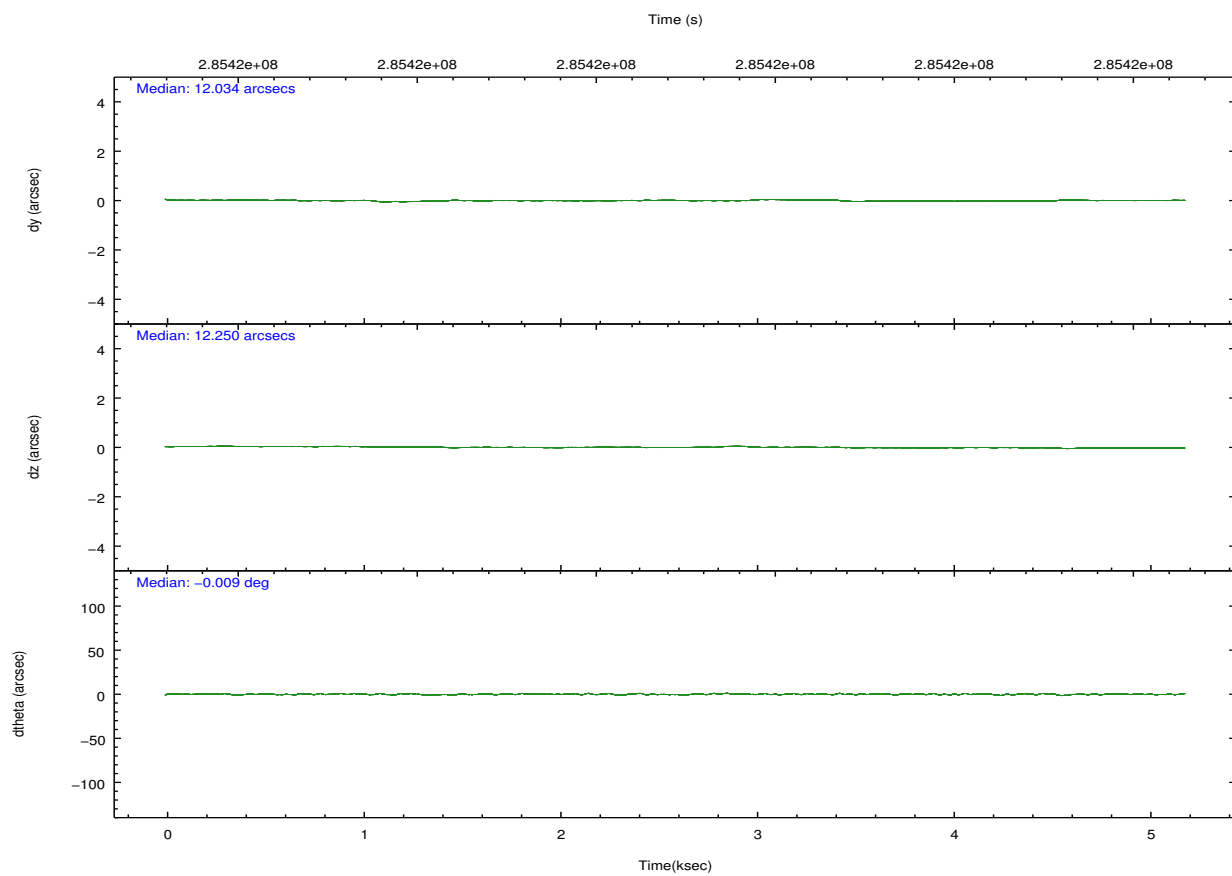
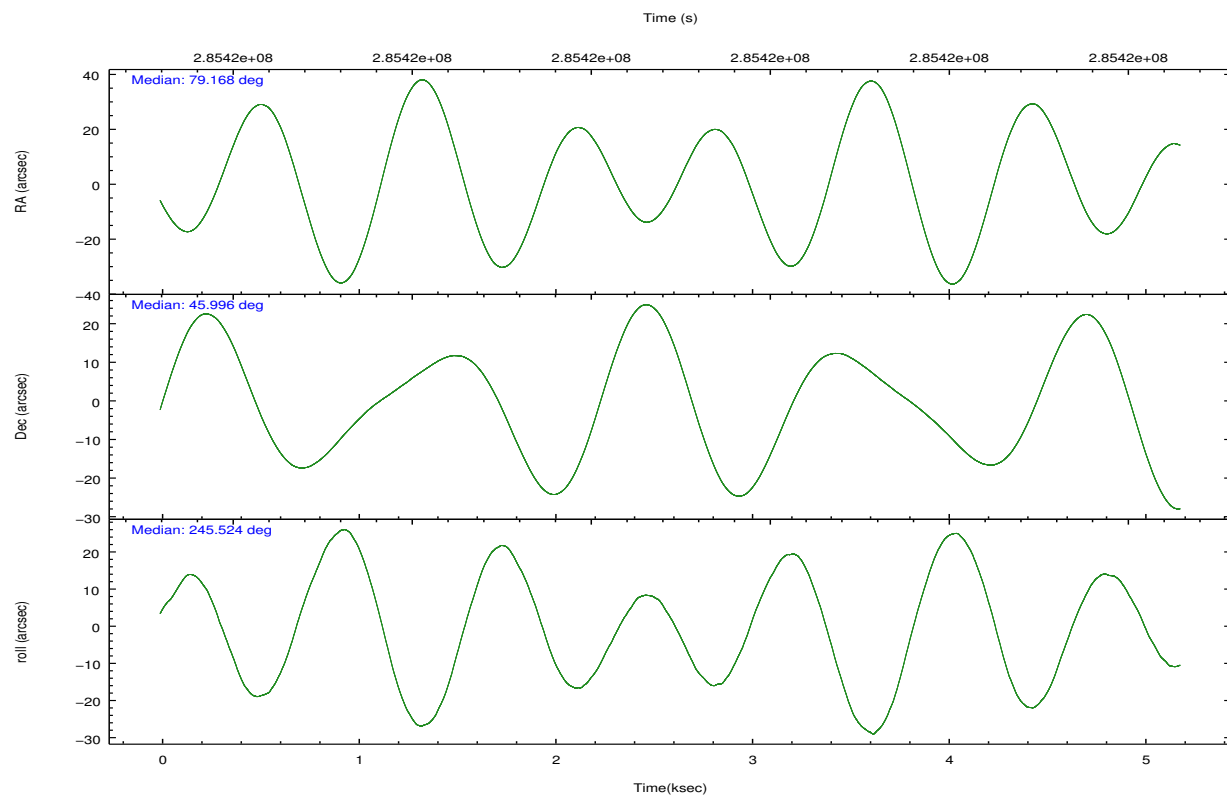
	segment 0
level 1 events	522394
rejected events	31097
rejected %	5%

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	79.163444	79.16812417309525			
[deg] Pointing Dec	46.022079	45.99526111564969			
[deg] Pointing Roll	245.624248	245.5253925951281			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	165.985494	165.9875532630865			
[mm] SIM translation stage offset	-39	-39.00206437148498			
[s] Observation start time (MET)	285419022.184000	285418645.63496			
Observation start date	2007-01-17T11:02:37	2007-01-17T10:57:25			
[s] Observation end time (MET)	285424022.184000	285424156.03522			
Observation end date	2007-01-17T12:25:57	2007-01-17T12:29:16			

2.3 Aspect



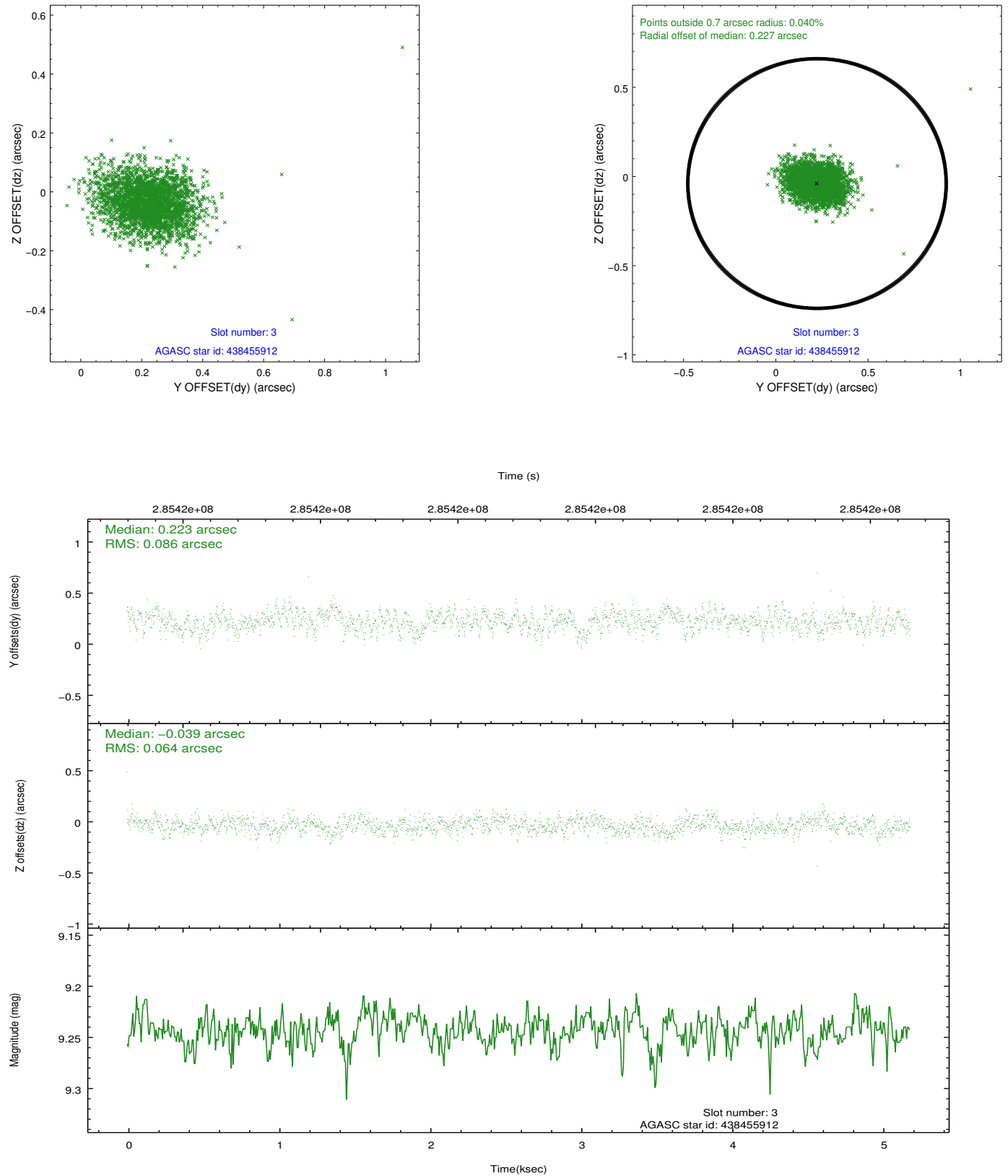


Slot Statistics

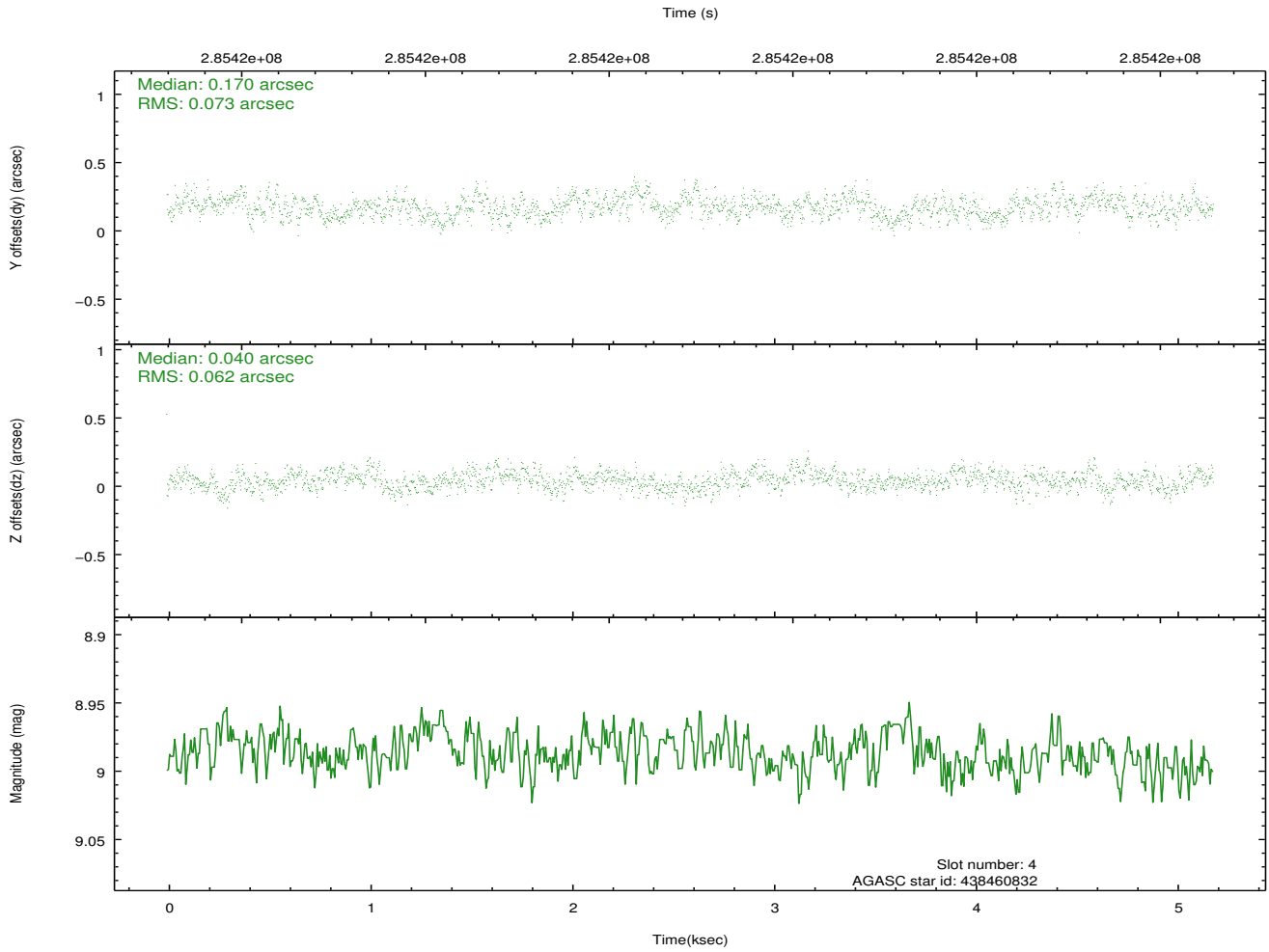
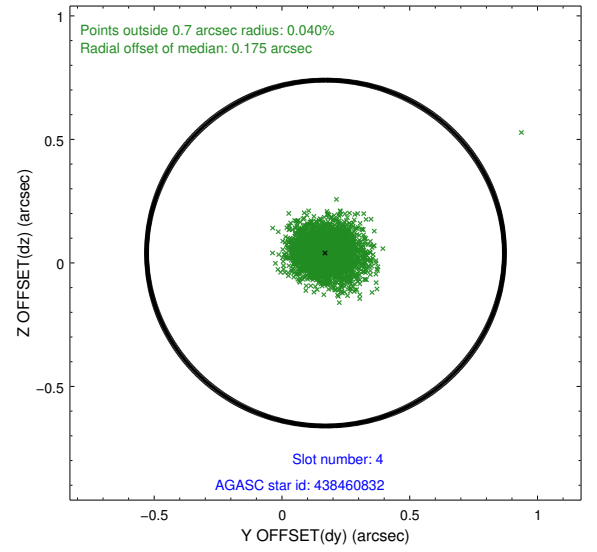
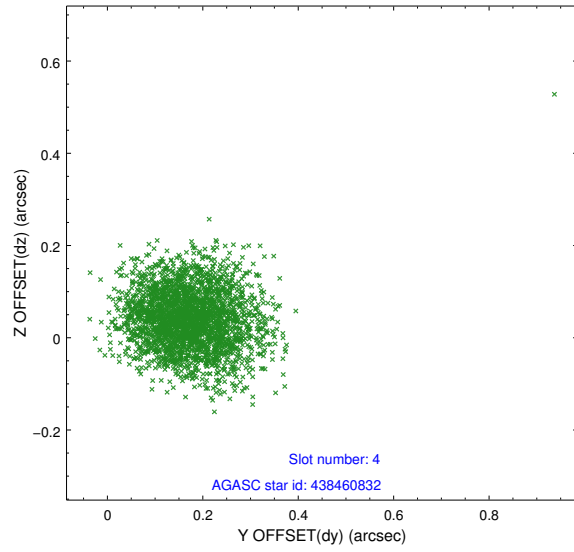
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	1265	0.110	-1.191	0.006	0.010	0.000000	0.000000	-767.26	-2102.56
1	FID	HRC-I-2	7.03	1265	-0.216	0.416	0.005	0.009	0.000000	0.000000	845.46	-2104.71
2	FID	HRC-I-3	7.16	1266	0.223	0.675	0.005	0.010	0.000000	0.000000	-1194.65	200.99
3	GUIDE	438455912	9.24	2530	0.223	-0.039	0.112	0.183	78.251946	45.690923	2021.42	-1600.69
4	GUIDE	438460832	8.99	2530	0.170	0.040	0.101	0.163	78.414614	45.554782	2305.65	-1028.66
5	GUIDE	440140240	9.98	2529	-0.181	0.051	0.128	0.204	78.889349	46.726437	-2029.67	-1663.11
6	GUIDE	440150048	7.14	2531	-0.200	-0.006	0.076	0.126	79.112838	46.416060	-1239.93	-700.01
7	GUIDE	440163960	8.88	2527	-0.020	-0.049	0.081	0.134	79.298370	45.827072	499.98	598.15

2.4 Star Slots

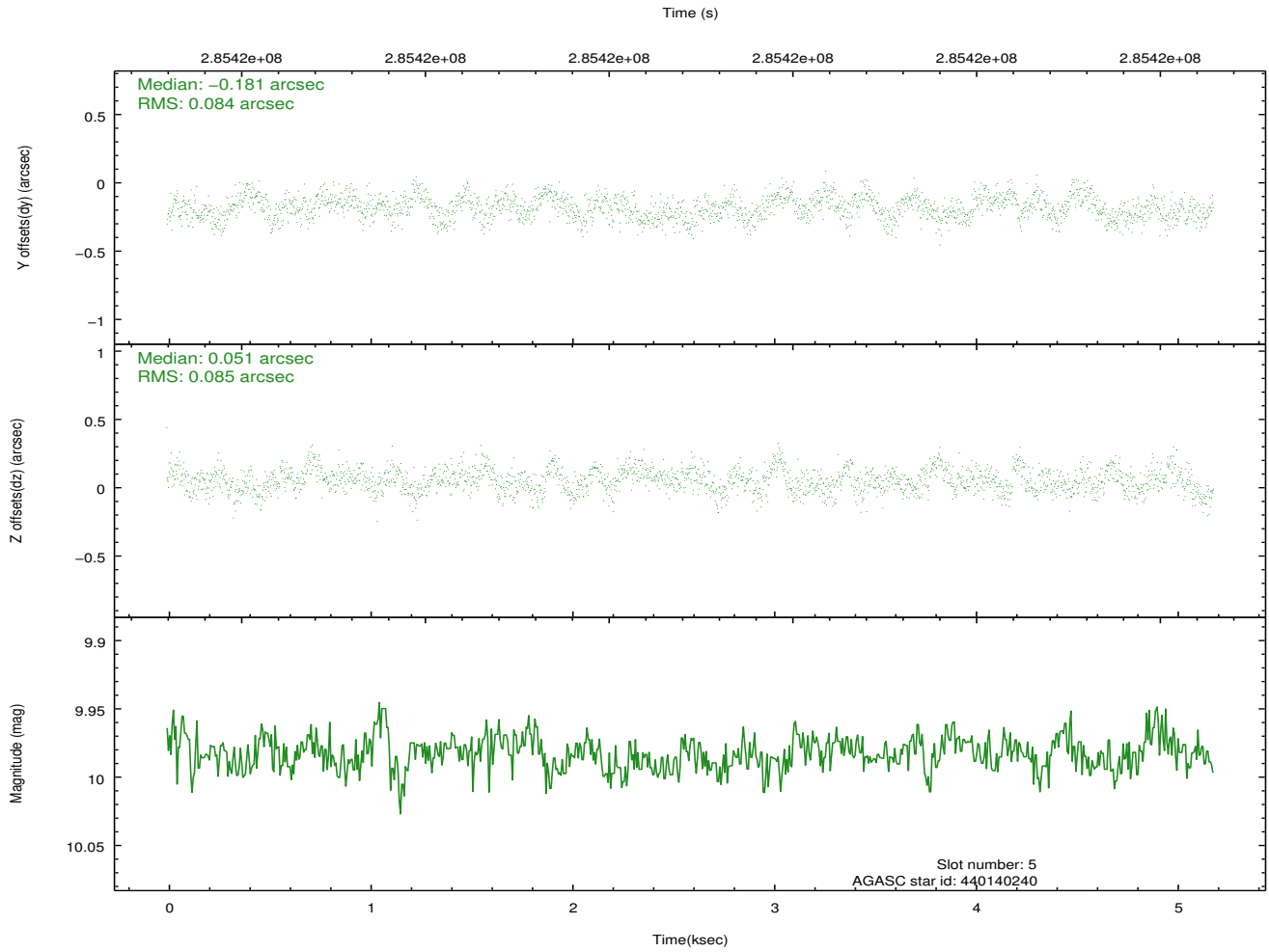
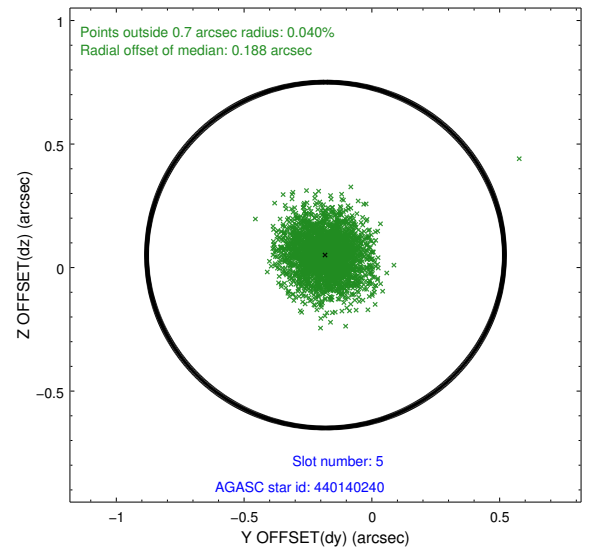
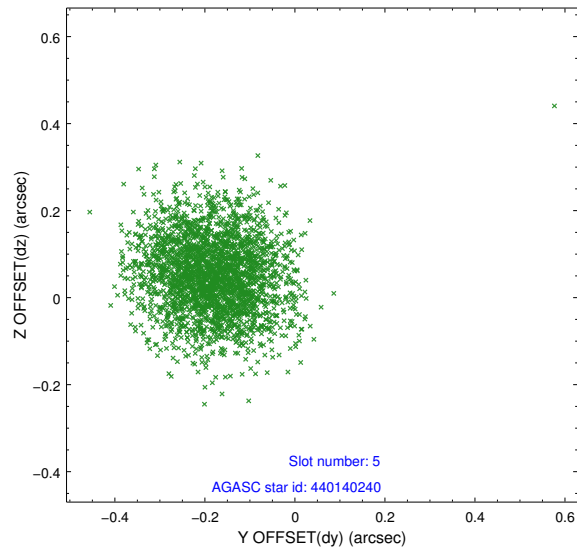
2.4.1 Slot 3



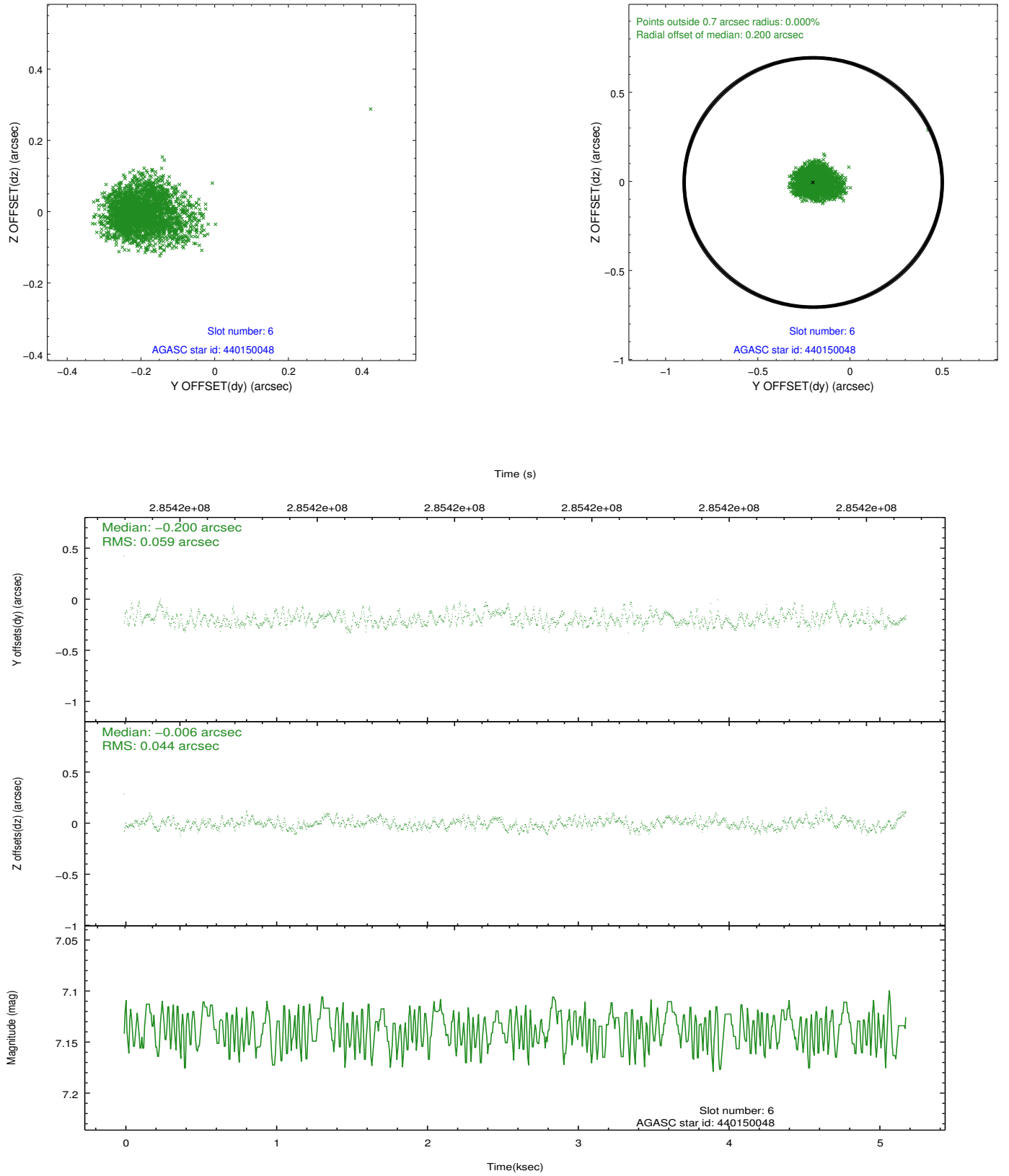
2.4.2 Slot 4



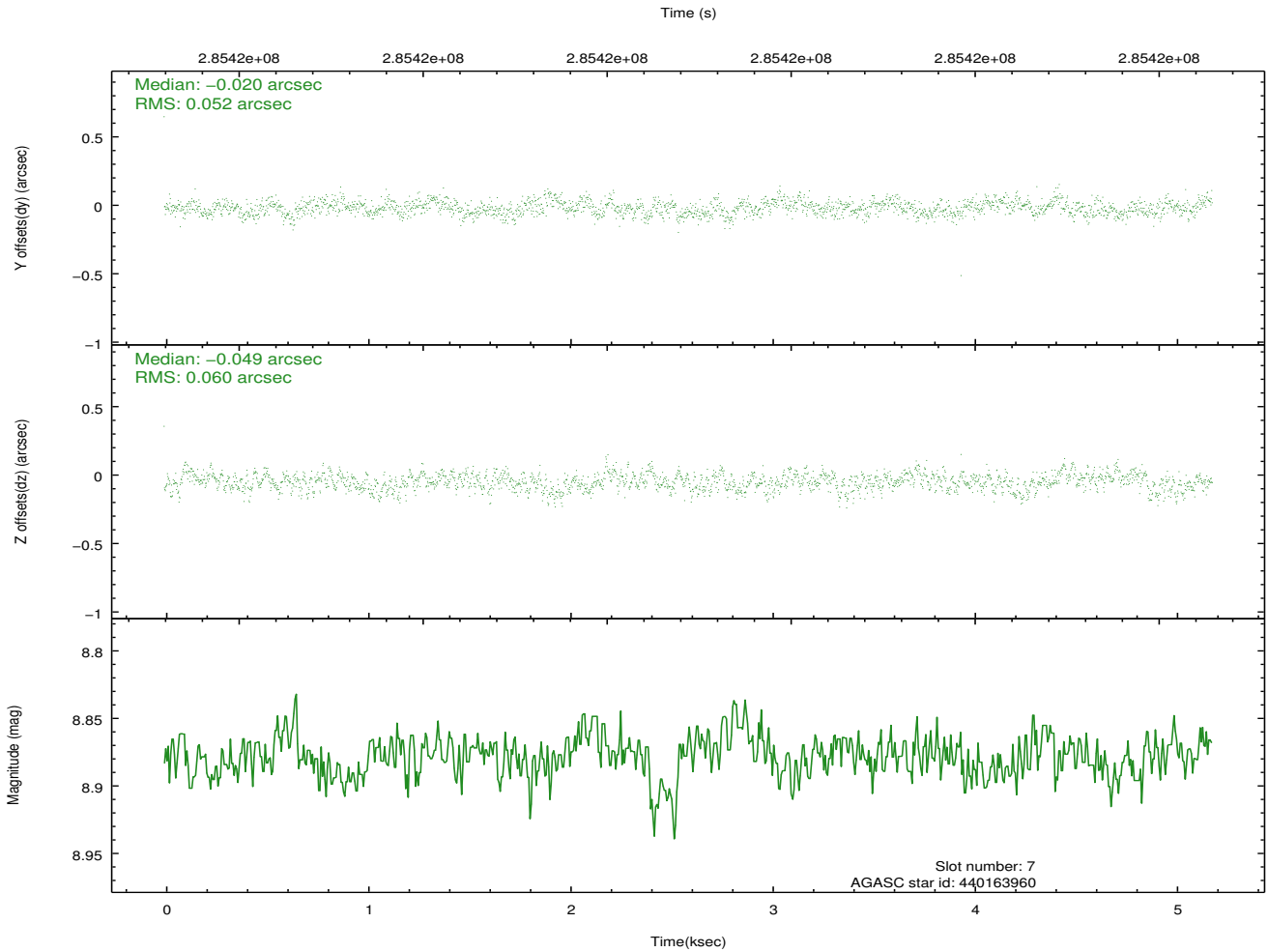
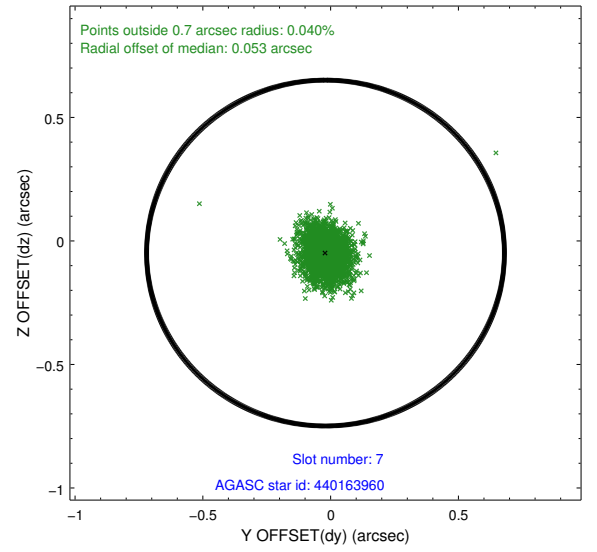
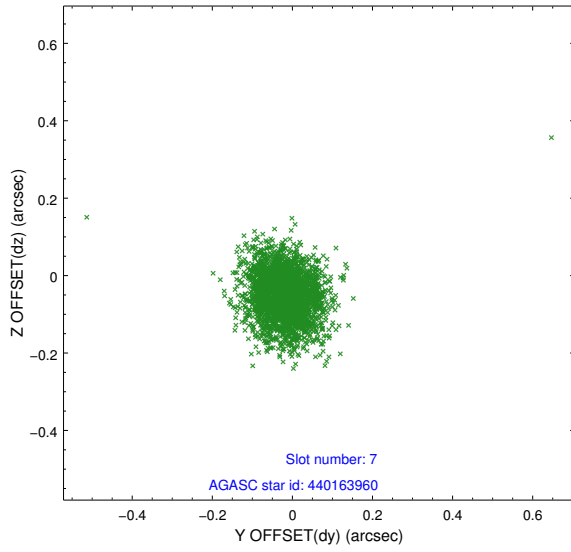
2.4.3 Slot 5



2.4.4 Slot 6

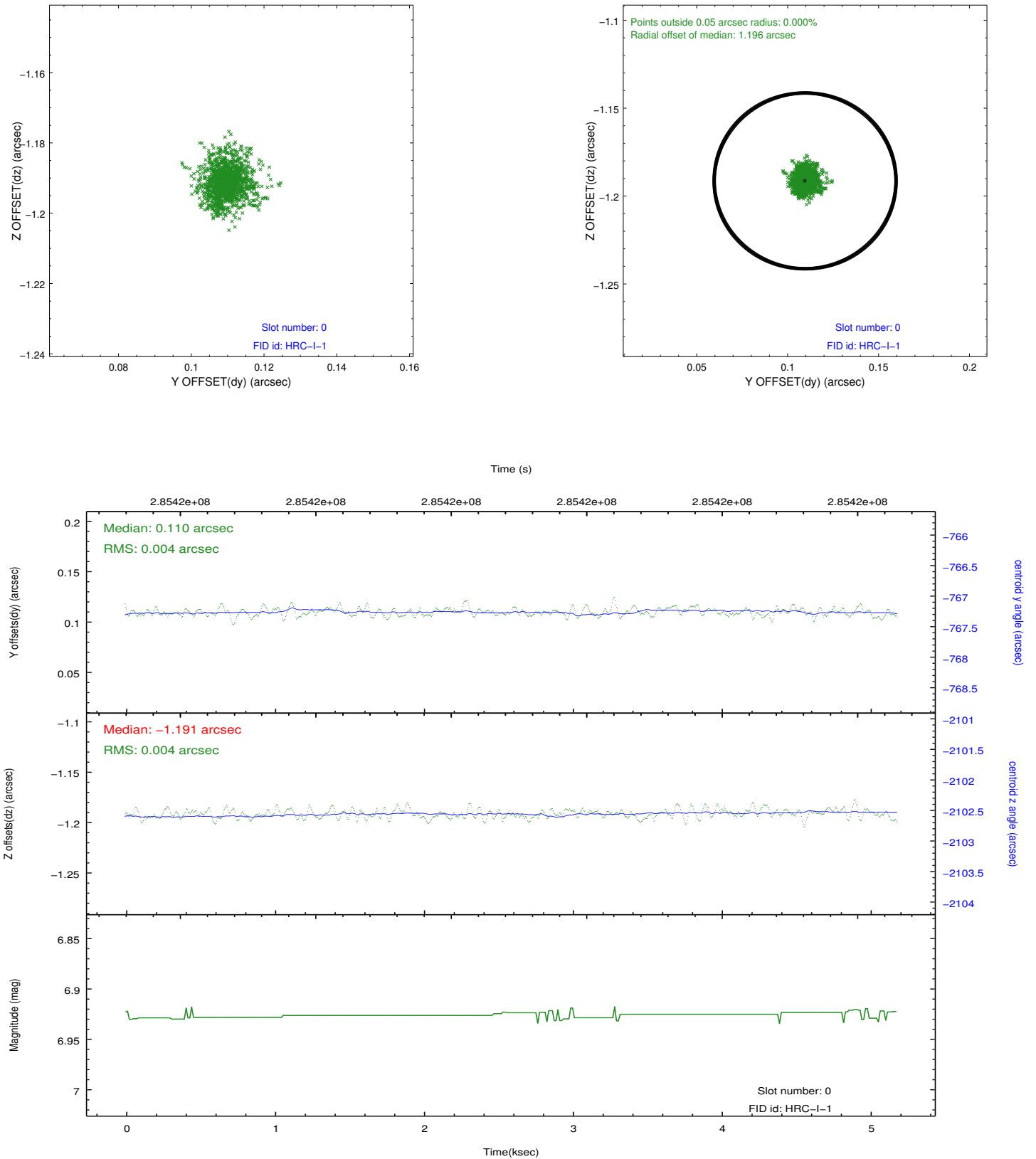


2.4.5 Slot 7

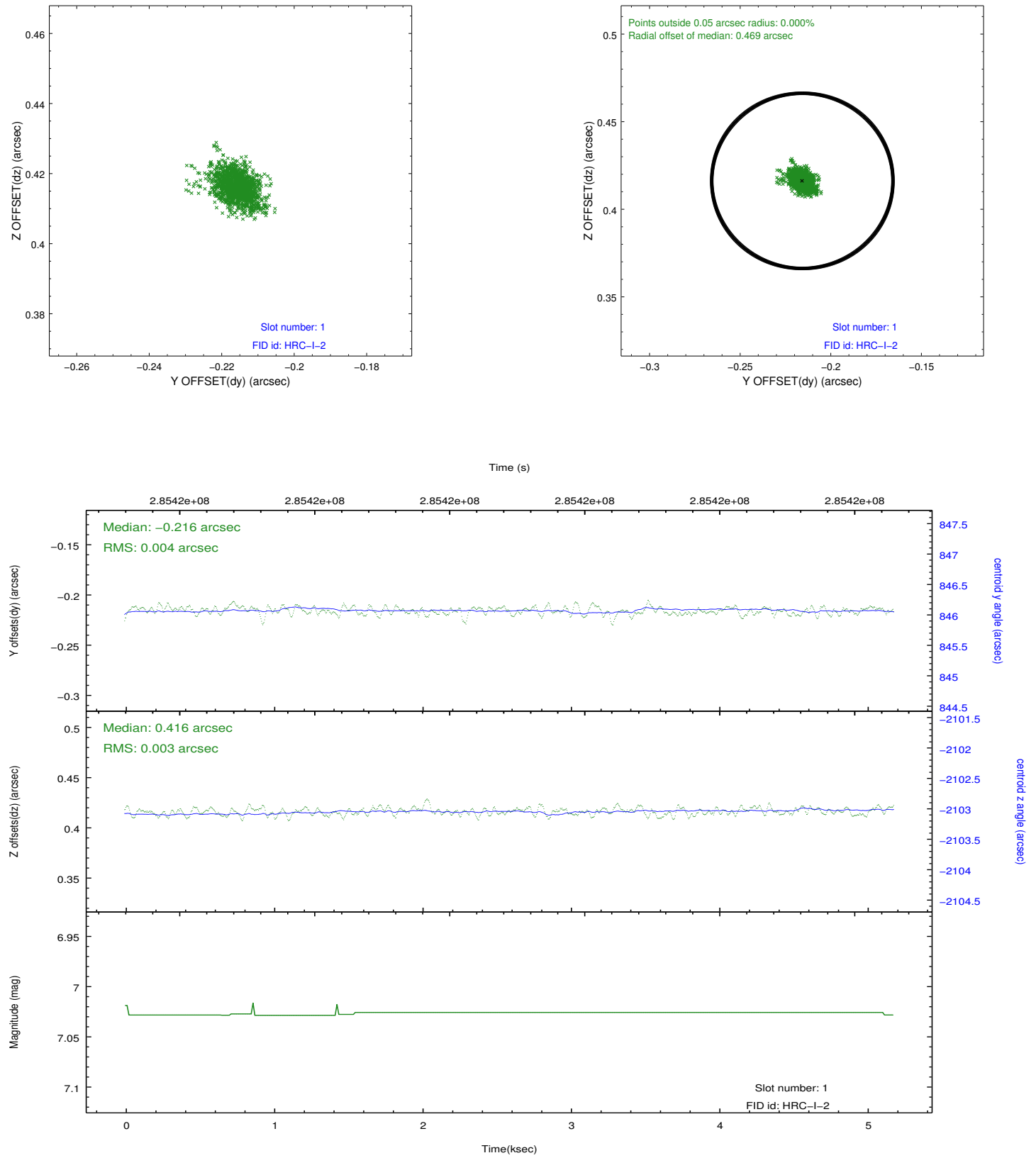


2.5 FID Slots

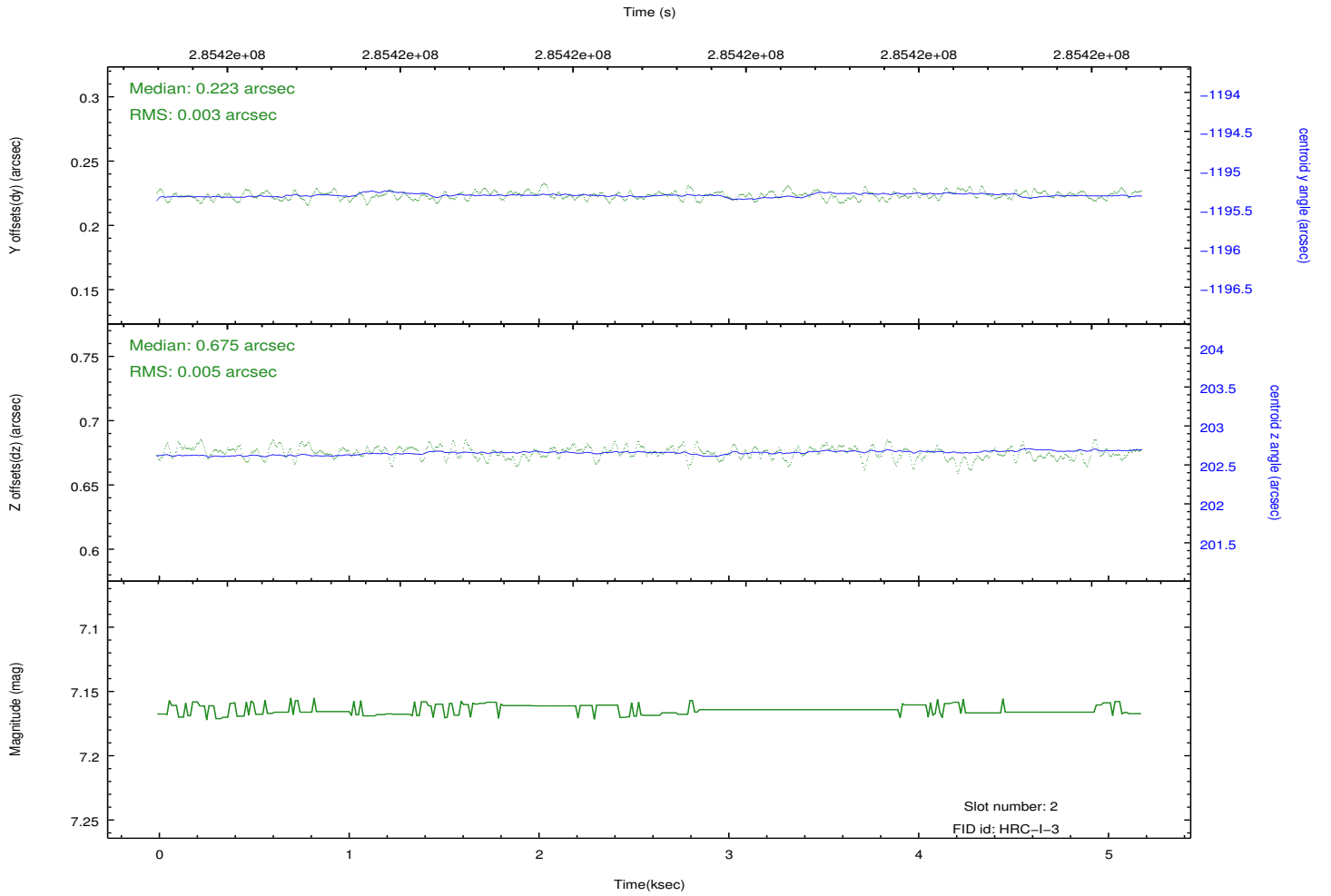
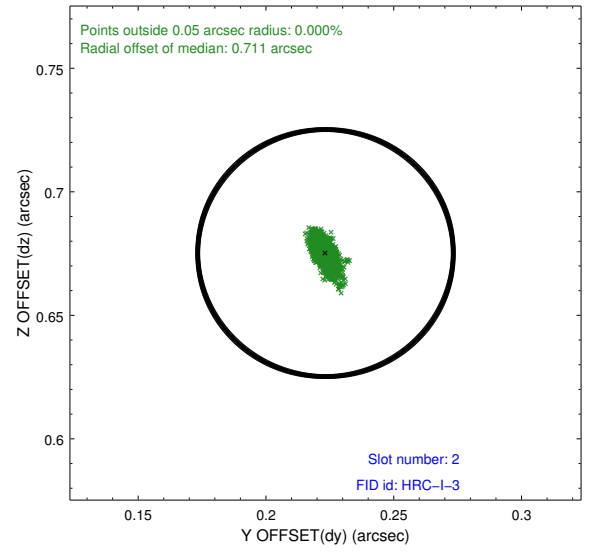
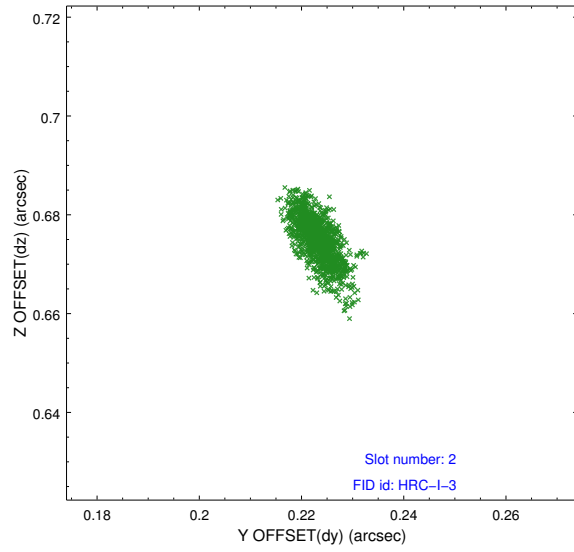
2.5.1 Slot 0



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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18573149

A.2 Comments

Large offsets in all three fidlights are due to the position of the target and aimpoint near the corner of the chip, and are expected in this instance.