

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1572 - L2 Version 4
Chandra X-Ray Center

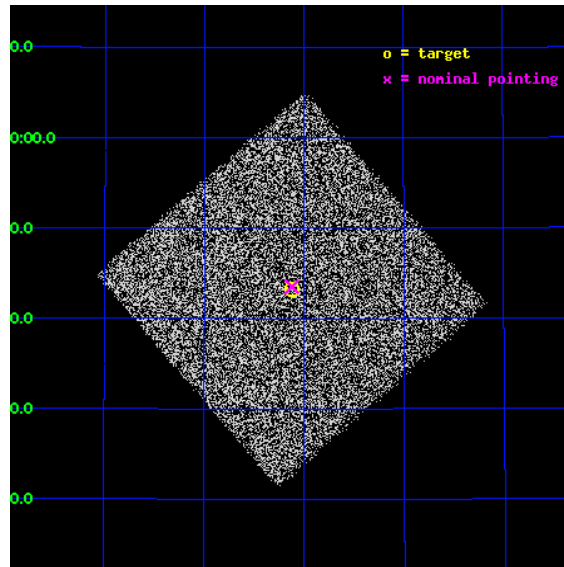
L2 Processing Date : Sep 17 2012

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1 Front

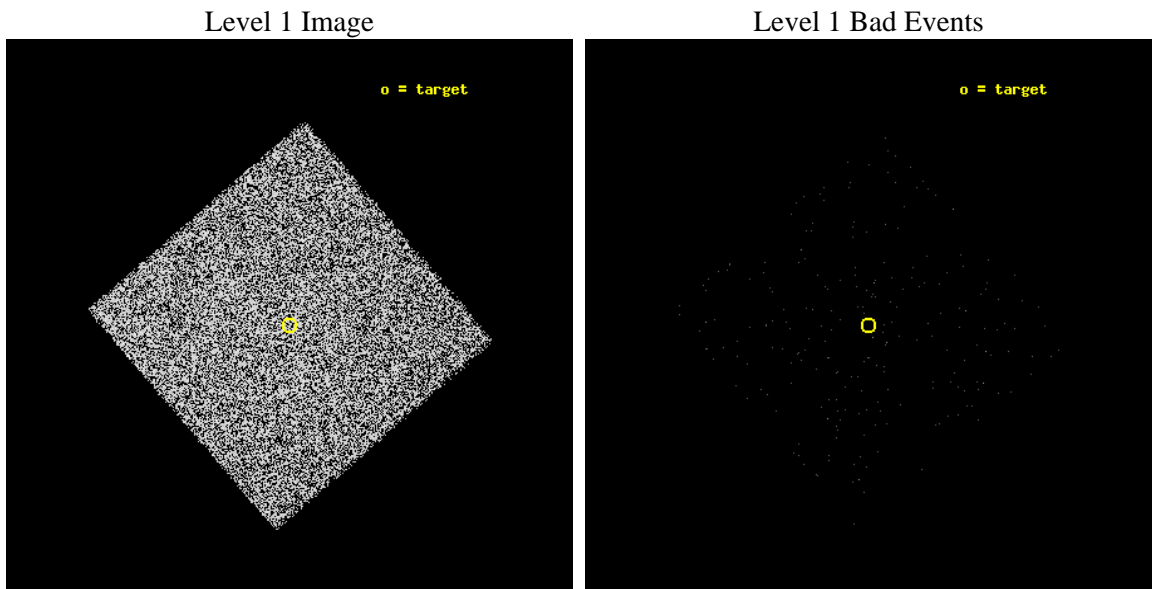
seq_num	600129	Sequence number
obs_id	1572	Observation id
title	HRC MONITORING OF M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - NORTH 1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721111	Observer's specified target Dec [deg]
ra_nom	11.03044478642	Nominal RA [deg]
dec_nom	41.725344190758	Nominal Dec [deg]
roll_nom	94.217993060094	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1190.2812964022	[s]
livetime	1184.4361890626	Ontime multiplied by DTCOR
l2events	29006	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	8.4.5	Processing system revision	ontime	1190.2812964022	[s]
caldsver	4.5.1.1	 	l1events	55187	Number of level 1 events
date	2012-09-17T18:19:57	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

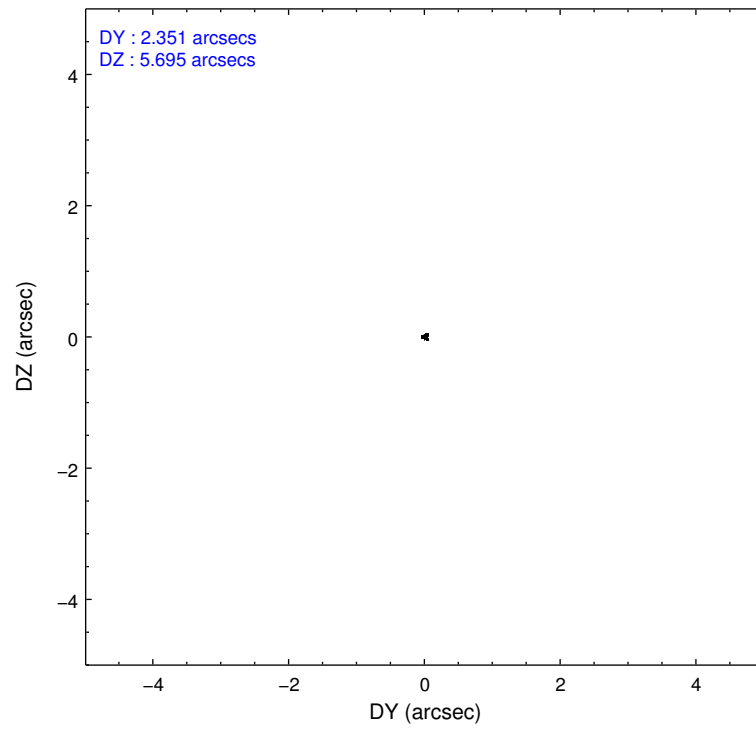
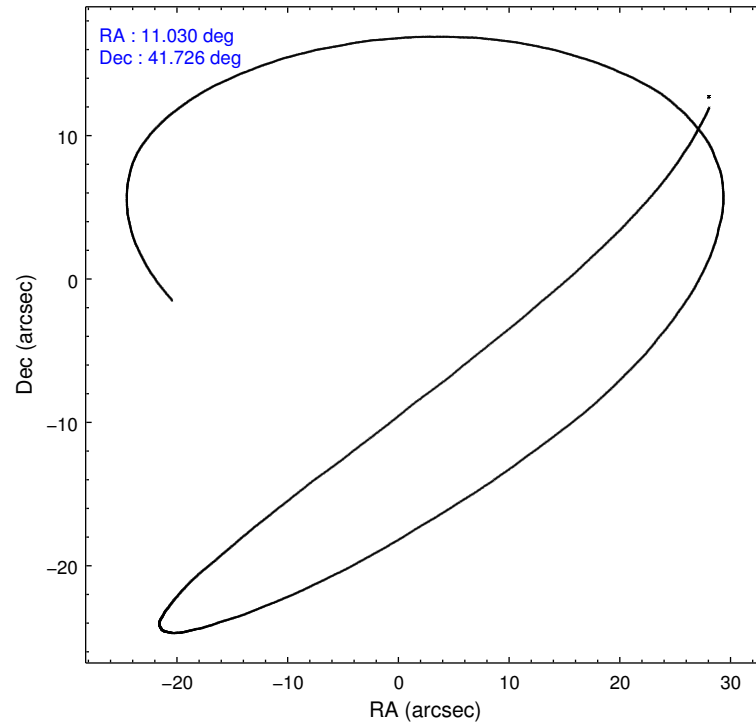
Level 1 Events

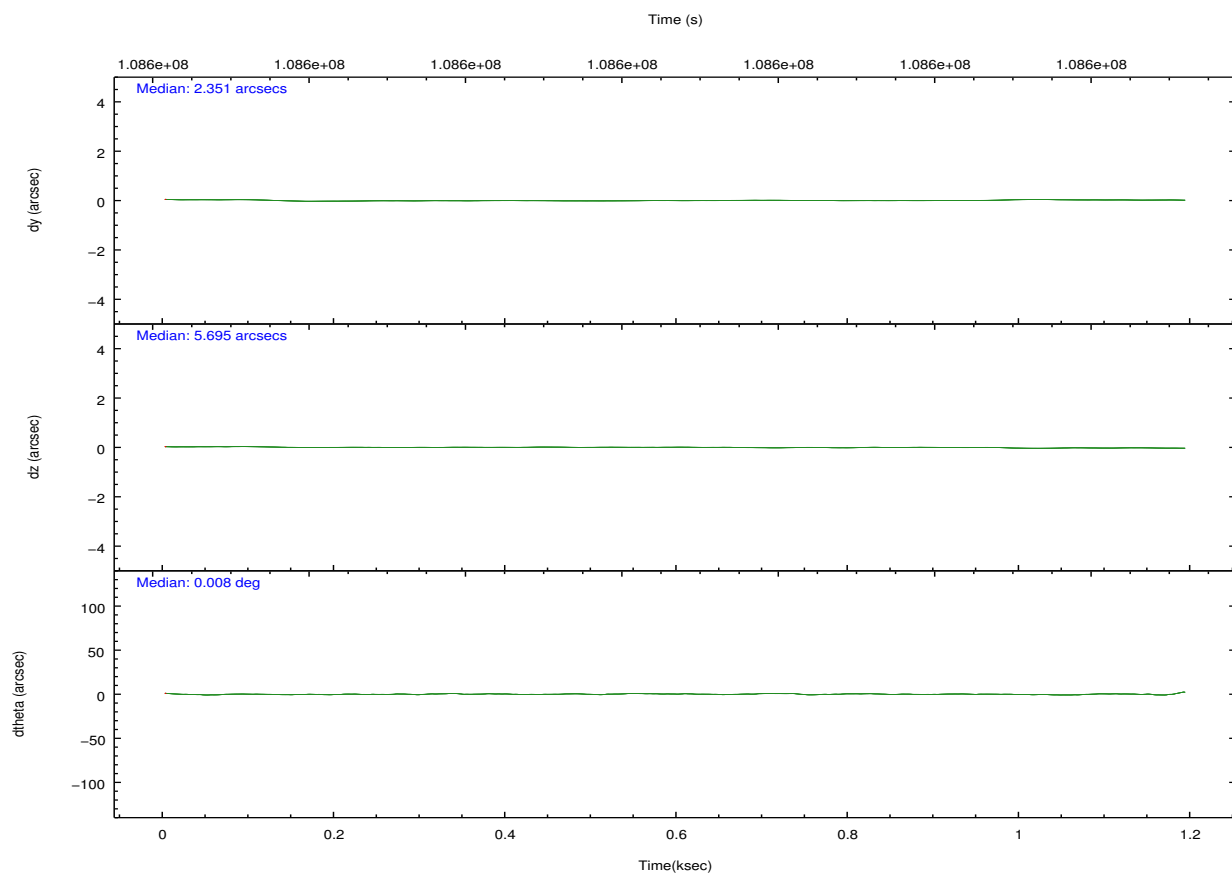
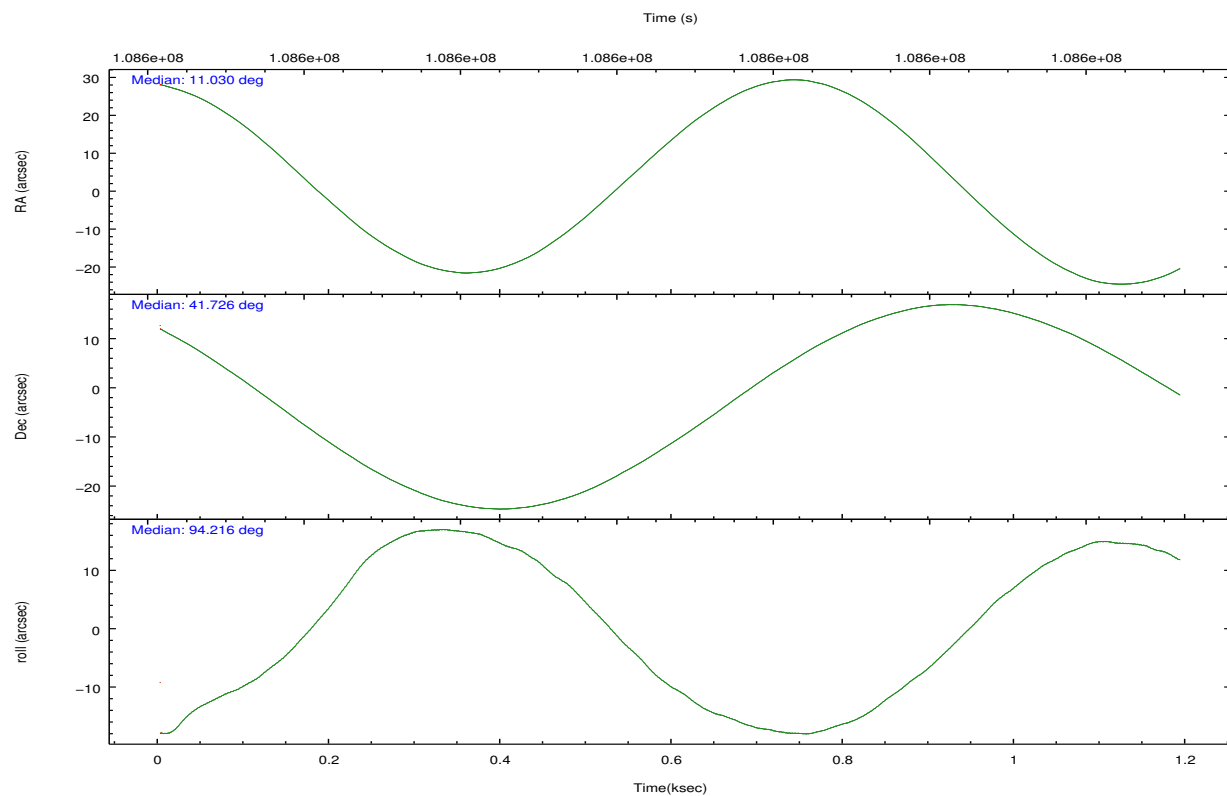
	segment 0
level 1 events	55187
rejected events	11657
rejected %	21%

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	11.052040	11.03044478641971			
[deg] Pointing Dec	41.703012	41.725344190758			
[deg] Pointing Roll	94.299113	94.21799306009414			
[s] Window start time (MET)	108172864.184000	108172864.184000			
[s] Window stop time (MET)	108691264.184000	108691264.184000			
[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)	108600266.184000	108599890.53908			
Observation start date	2001-06-10T22:43:22	2001-06-10T22:38:10			
[s] Observation end time (MET)	108601266.184000	108601400.36413			
Observation end date	2001-06-10T23:00:02	2001-06-10T23:03:20			

2.3 Aspect



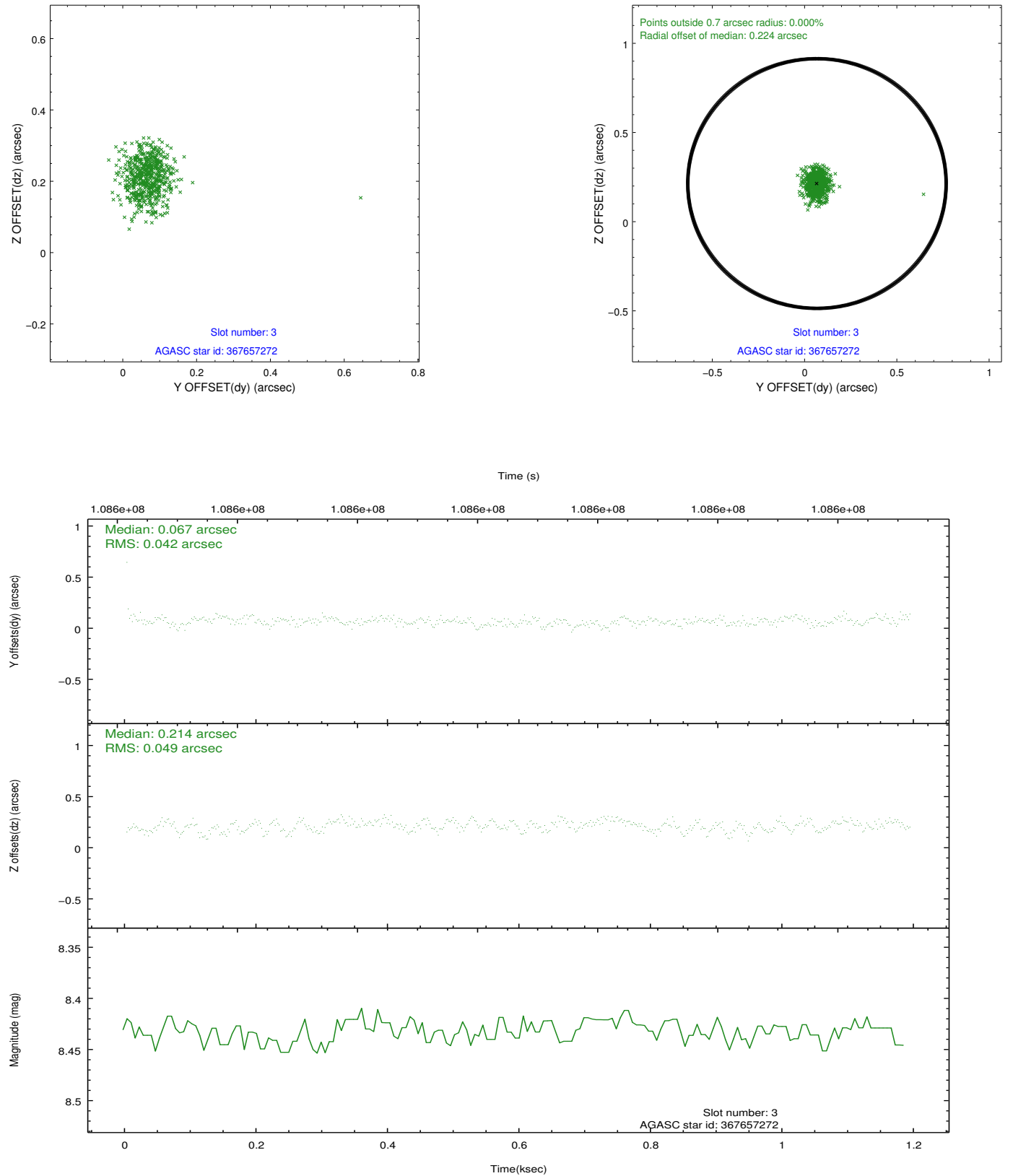


Slot Statistics

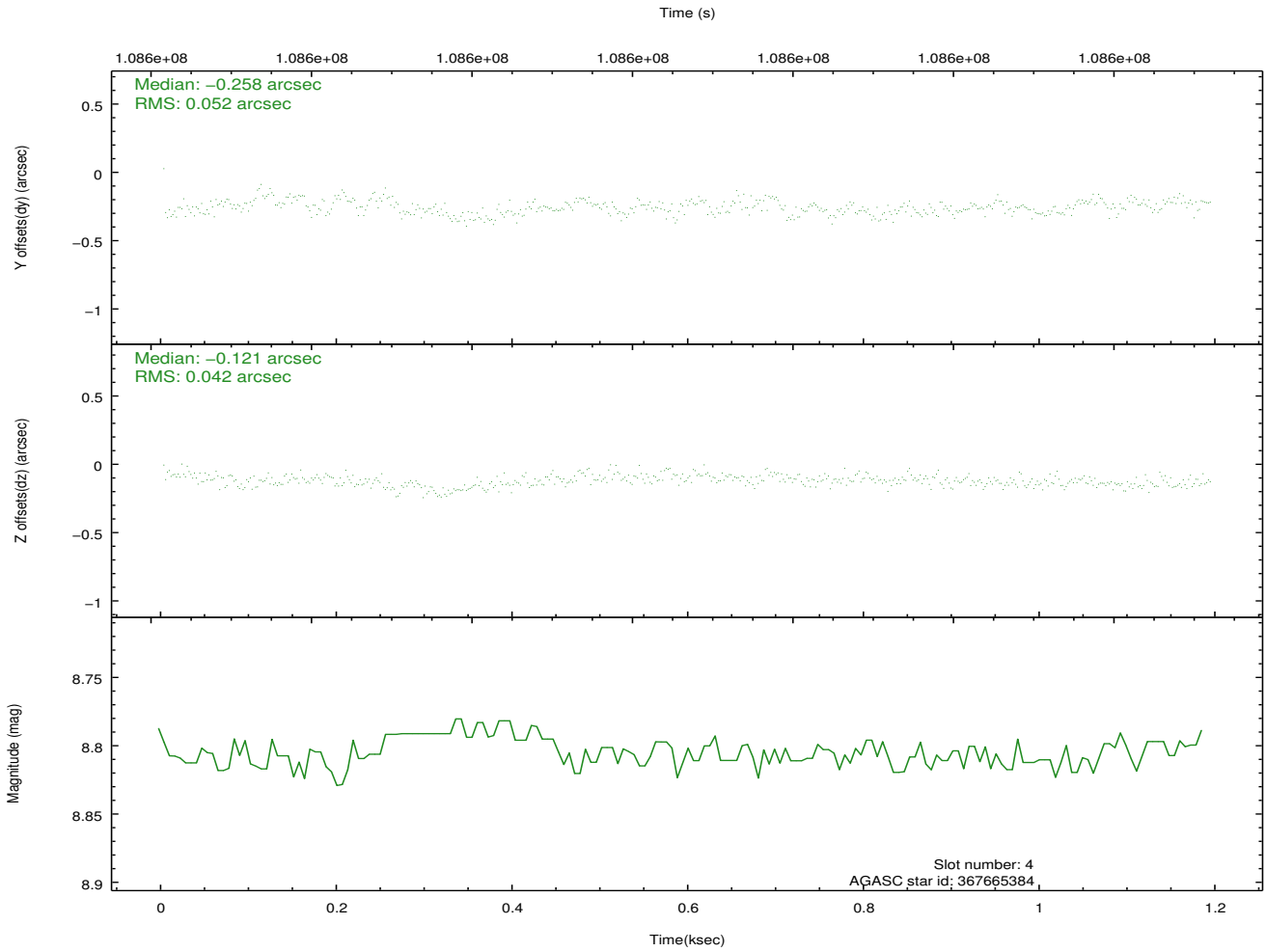
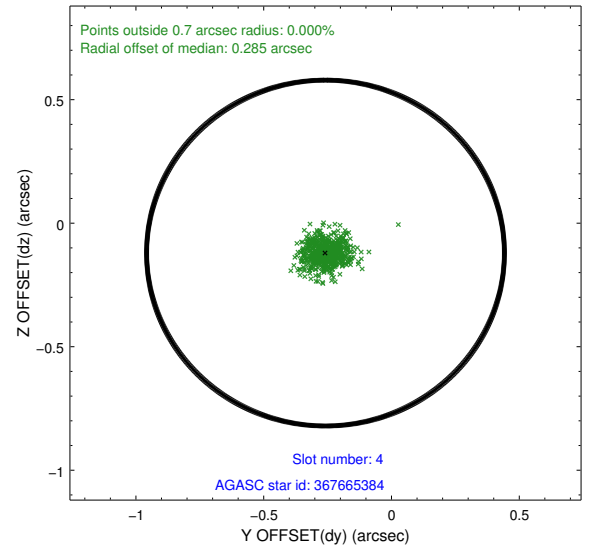
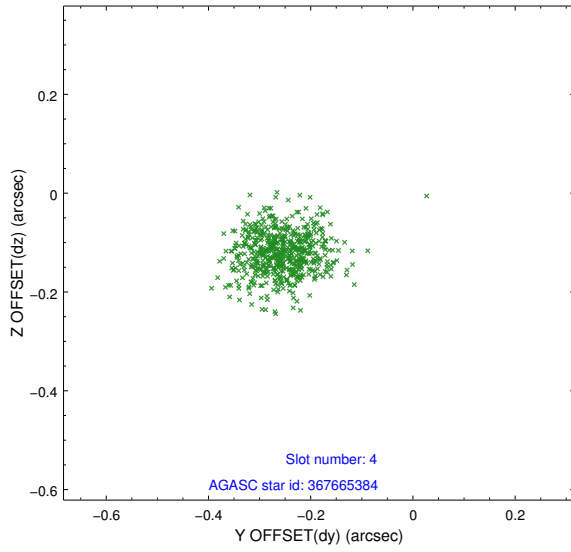
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	291	0.017	0.009	0.006	0.009	0.000000	0.000000	854.85	-1295.05
1	FID	HRC-I-3	7.07	291	0.036	-0.058	0.005	0.009	0.000000	0.000000	-1183.34	1006.54
2	FID	HRC-I-4	7.01	291	0.066	-0.038	0.007	0.010	0.000000	0.000000	1280.97	1012.11
3	GUIDE	367657272	8.43	582	0.067	0.214	0.064	0.105	11.834471	41.298907	-1600.27	-2002.24
4	GUIDE	367665384	8.81	582	-0.258	-0.121	0.070	0.118	10.414363	42.275730	2185.99	1534.86
5	GUIDE	367674552	8.85	580	0.062	-0.127	0.067	0.103	11.016238	41.570845	-464.04	133.83
6	GUIDE	367146616	8.86	582	0.219	0.096	0.068	0.114	11.418645	41.190163	-1914.58	-852.41
7	GUIDE	367671800	9.40	580	-0.083	-0.072	0.084	0.135	10.554735	41.964935	1039.91	1254.46

2.4 Star Slots

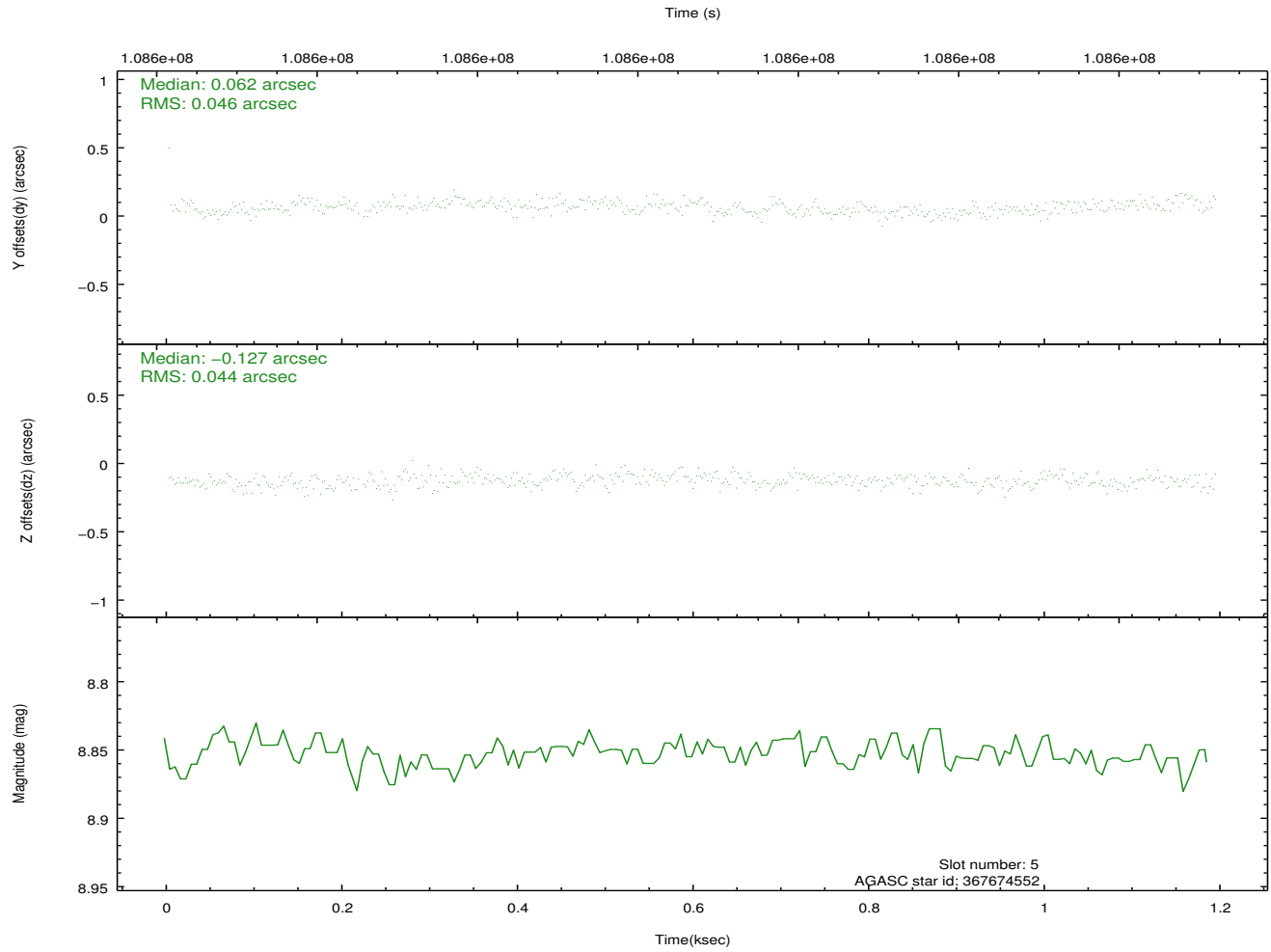
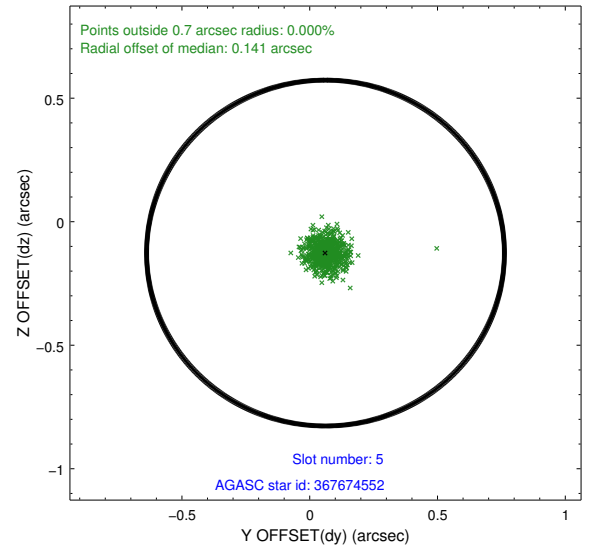
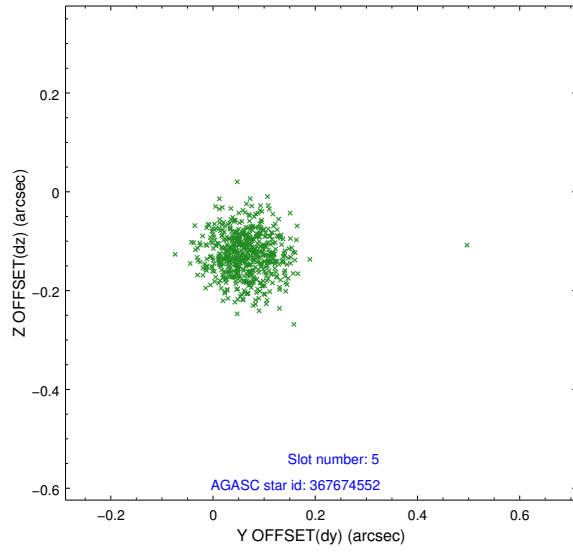
2.4.1 Slot 3



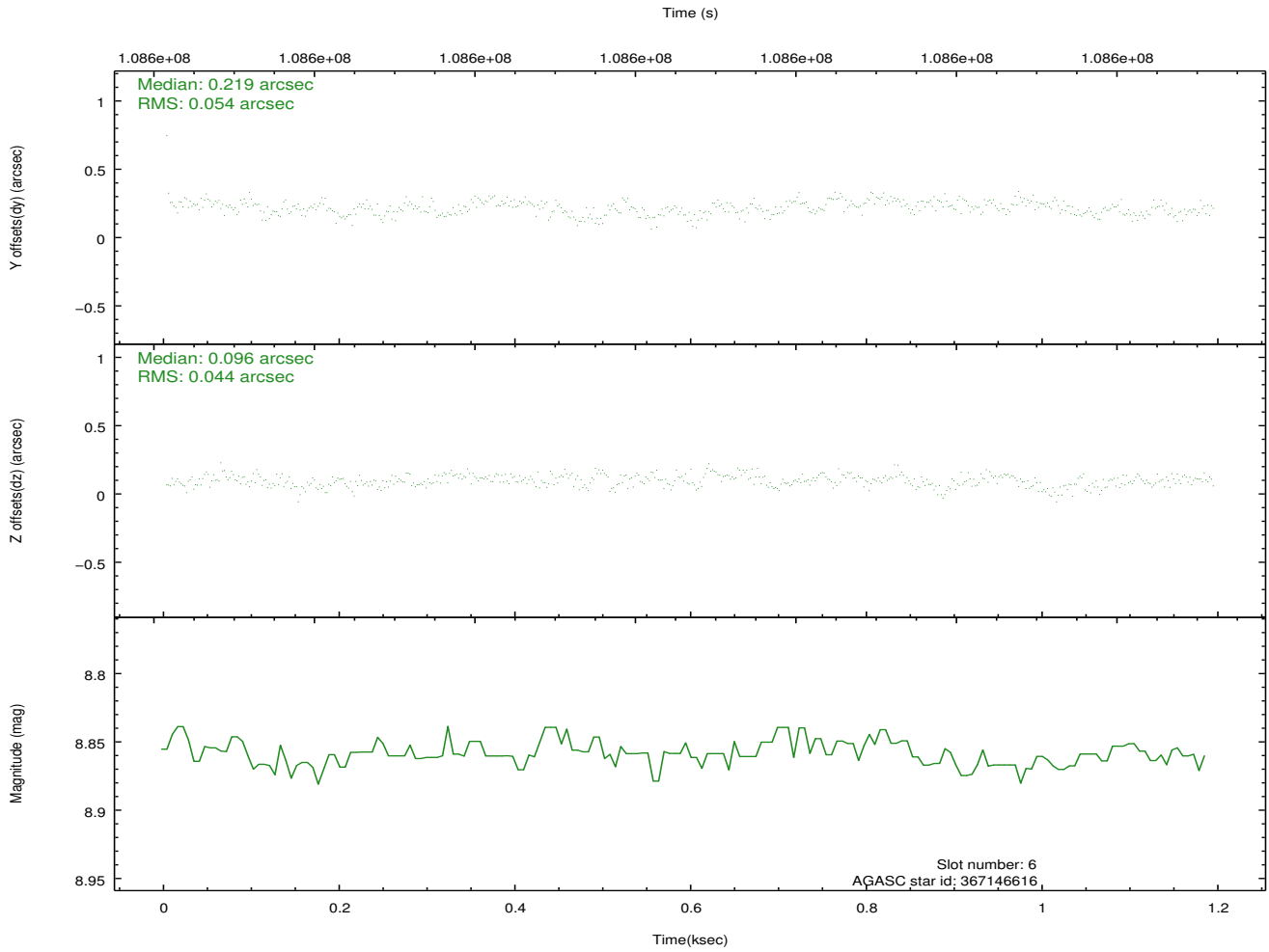
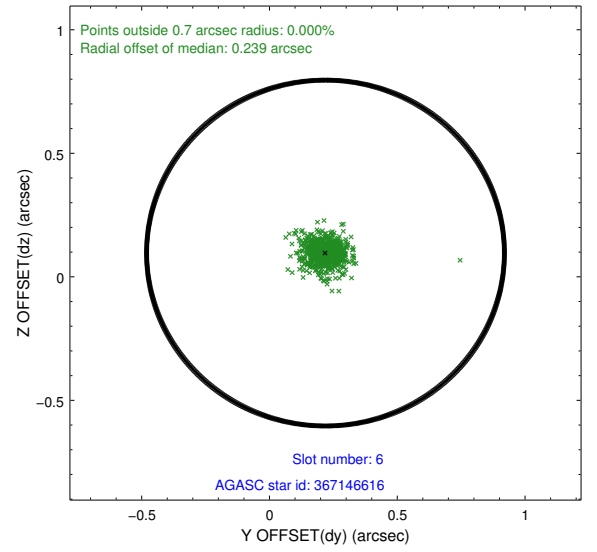
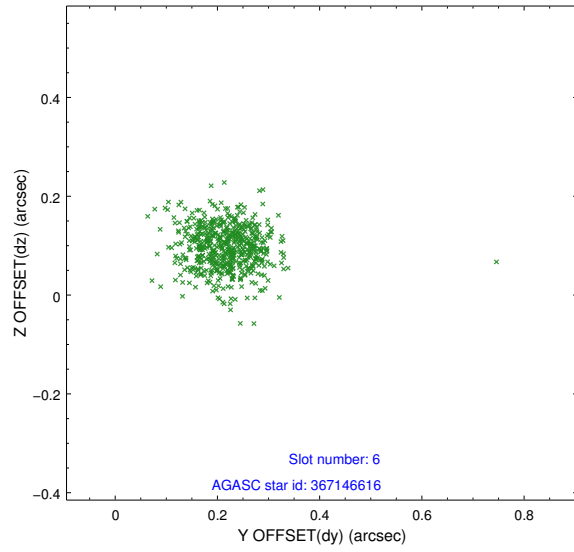
2.4.2 Slot 4



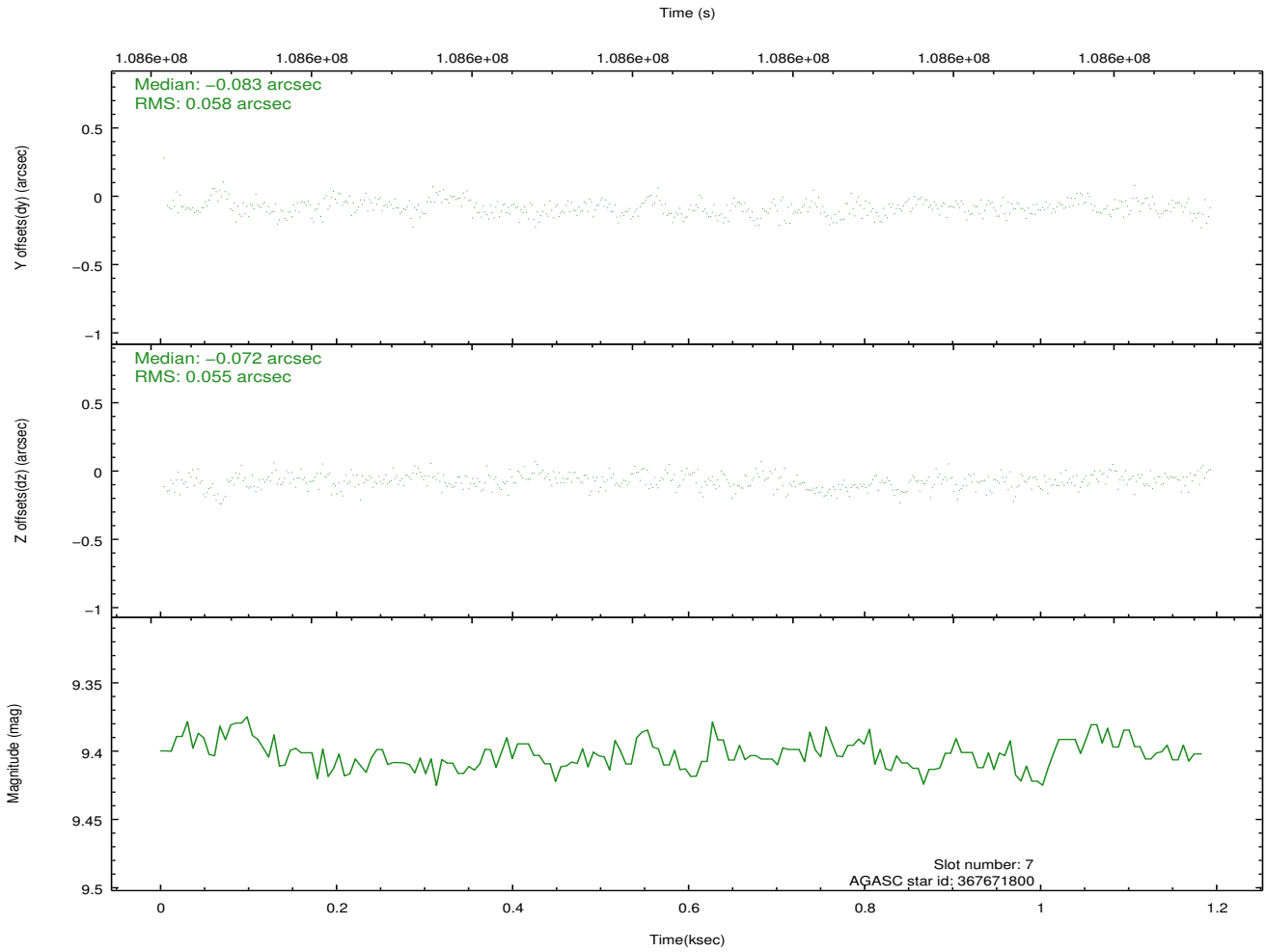
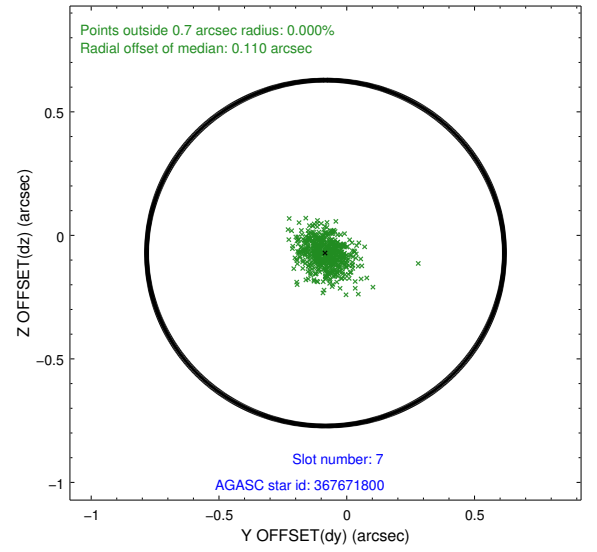
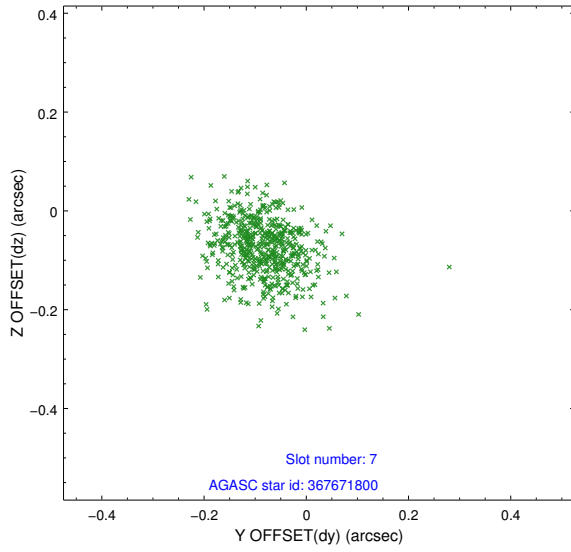
2.4.3 Slot 5



2.4.4 Slot 6

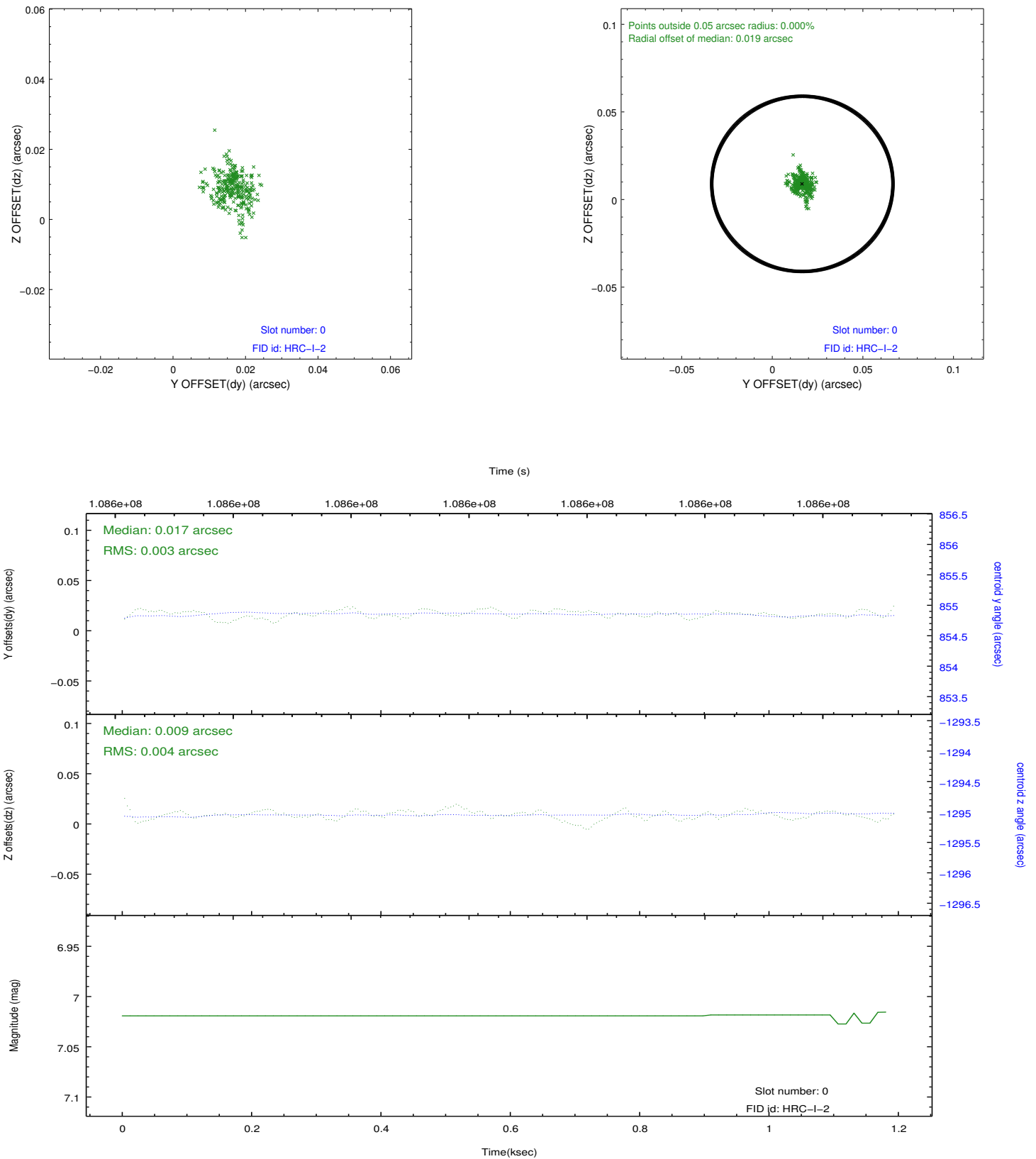


2.4.5 Slot 7

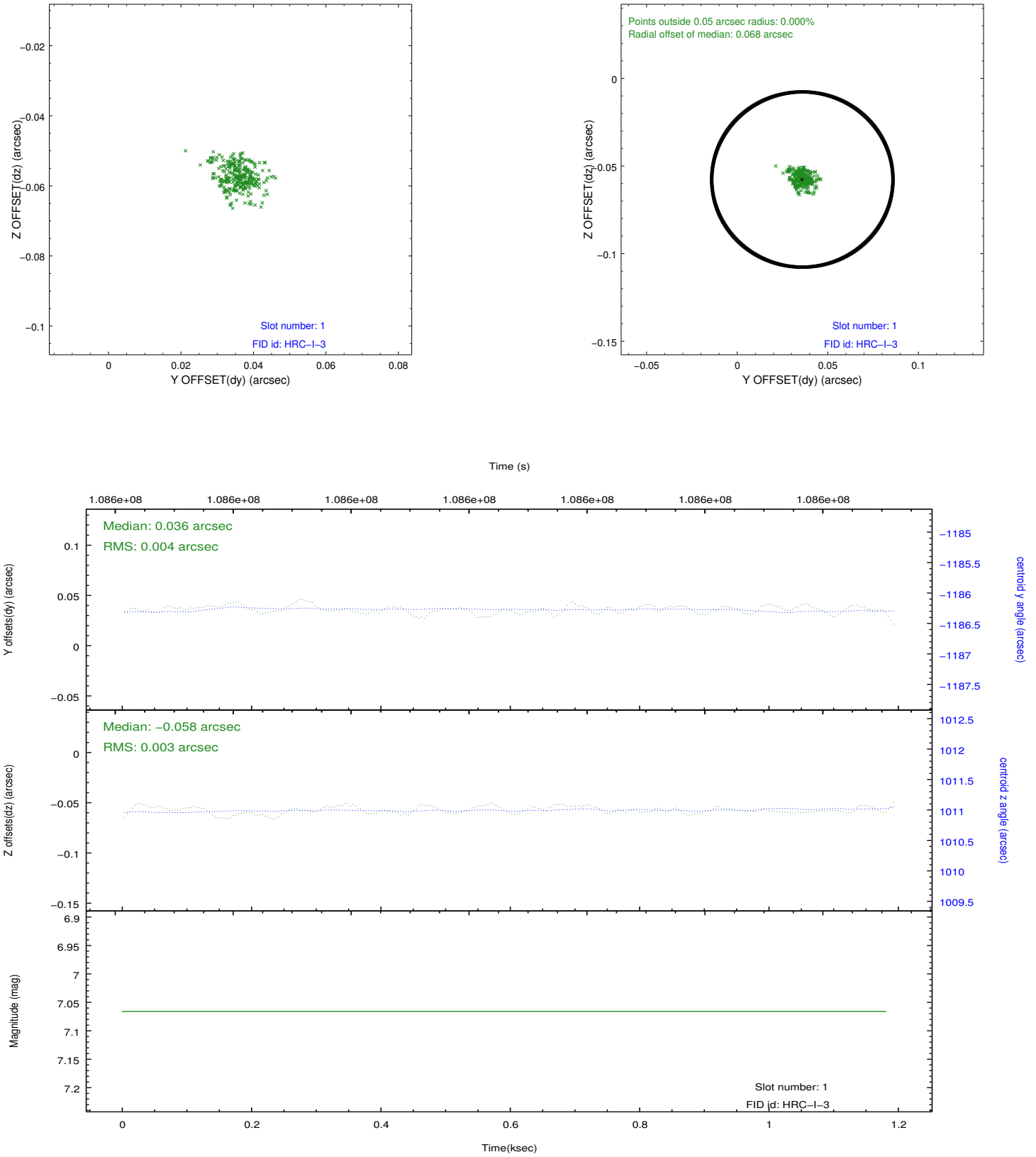


2.5 FID Slots

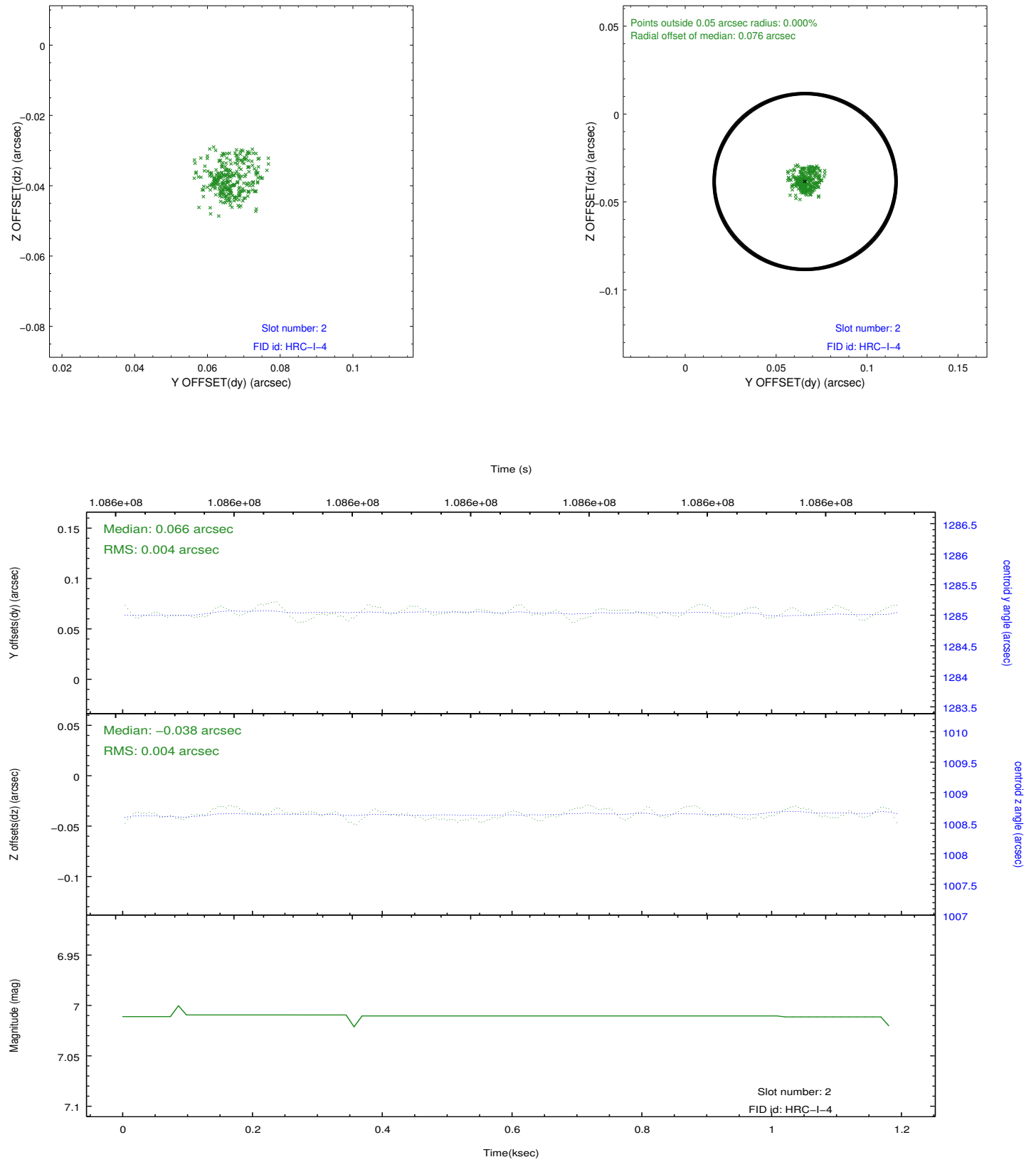
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

A.2 Comments

Window constraint met.