

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1574 - L2 Version 4
Chandra X-Ray Center

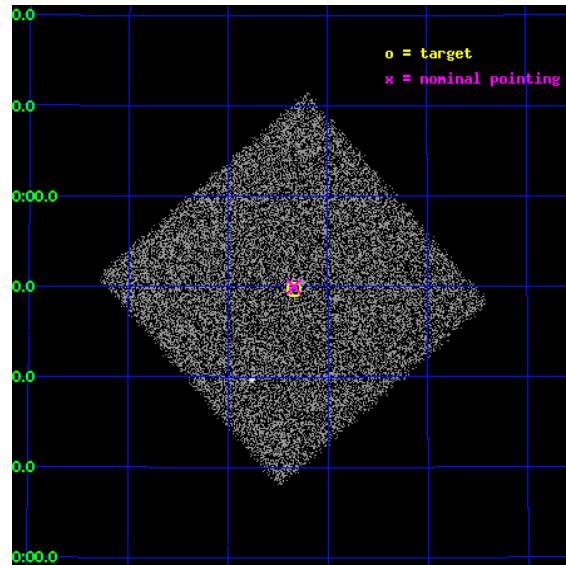
L2 Processing Date : Sep 17 2012

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1 Front

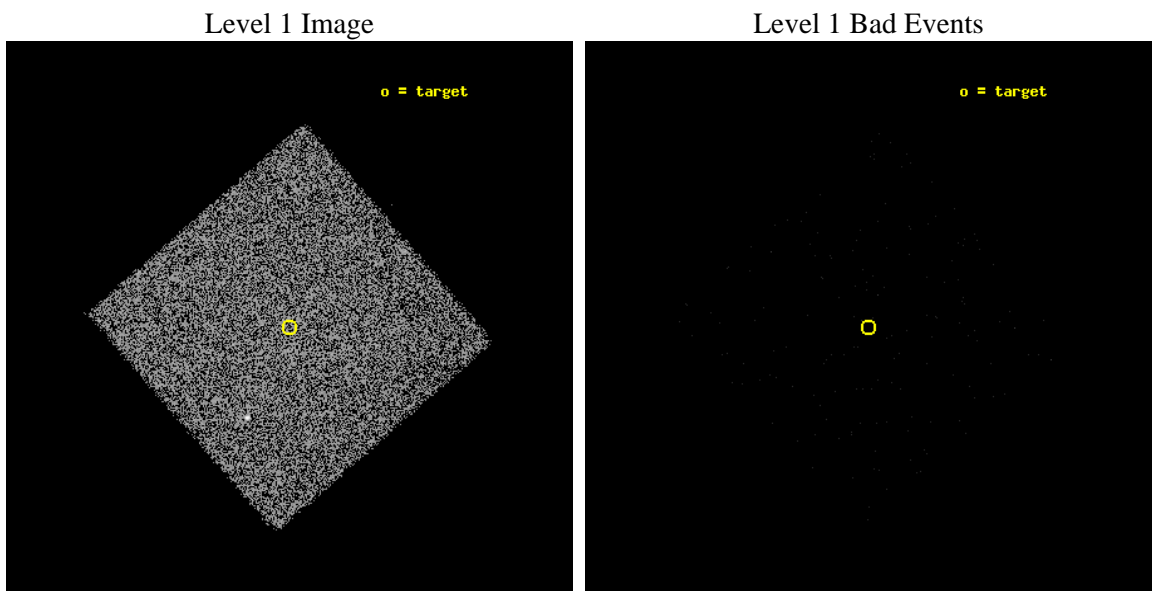
seq_num	600131	Sequence number
obs_id	1574	Observation id
title	HRC MONITORING OF M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - NORTH 2	Source name
ra_targ	11.333333	Observer's specified target RA [deg]
dec_targ	41.829722	Observer's specified target Dec [deg]
ra_nom	11.334878107566	Nominal RA [deg]
dec_nom	41.833286684191	Nominal Dec [deg]
roll_nom	93.972437207574	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1200.5312968045	[s]
livetime	1194.6020901878	Ontime multiplied by DTCOR
l2events	29520	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	1200.5312968045	[s]
caldbver	4.5.1.1	 	l1events	55155	Number of level 1 events
date	2012-09-17T18:20:24	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

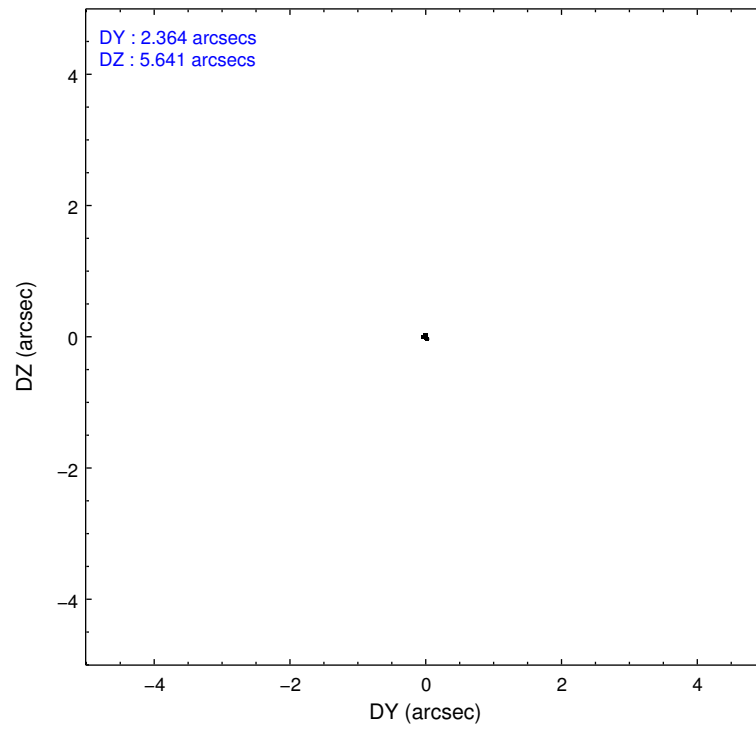
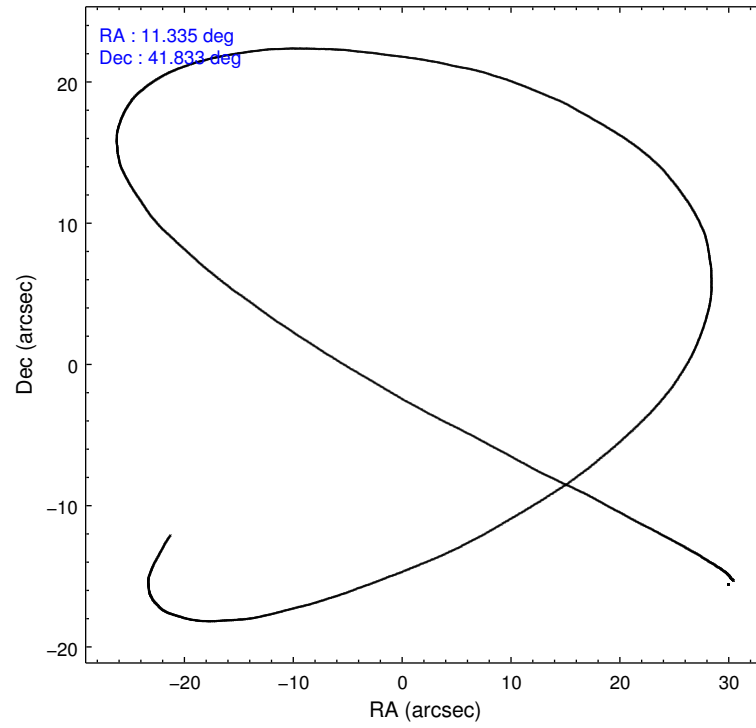
Level 1 Events

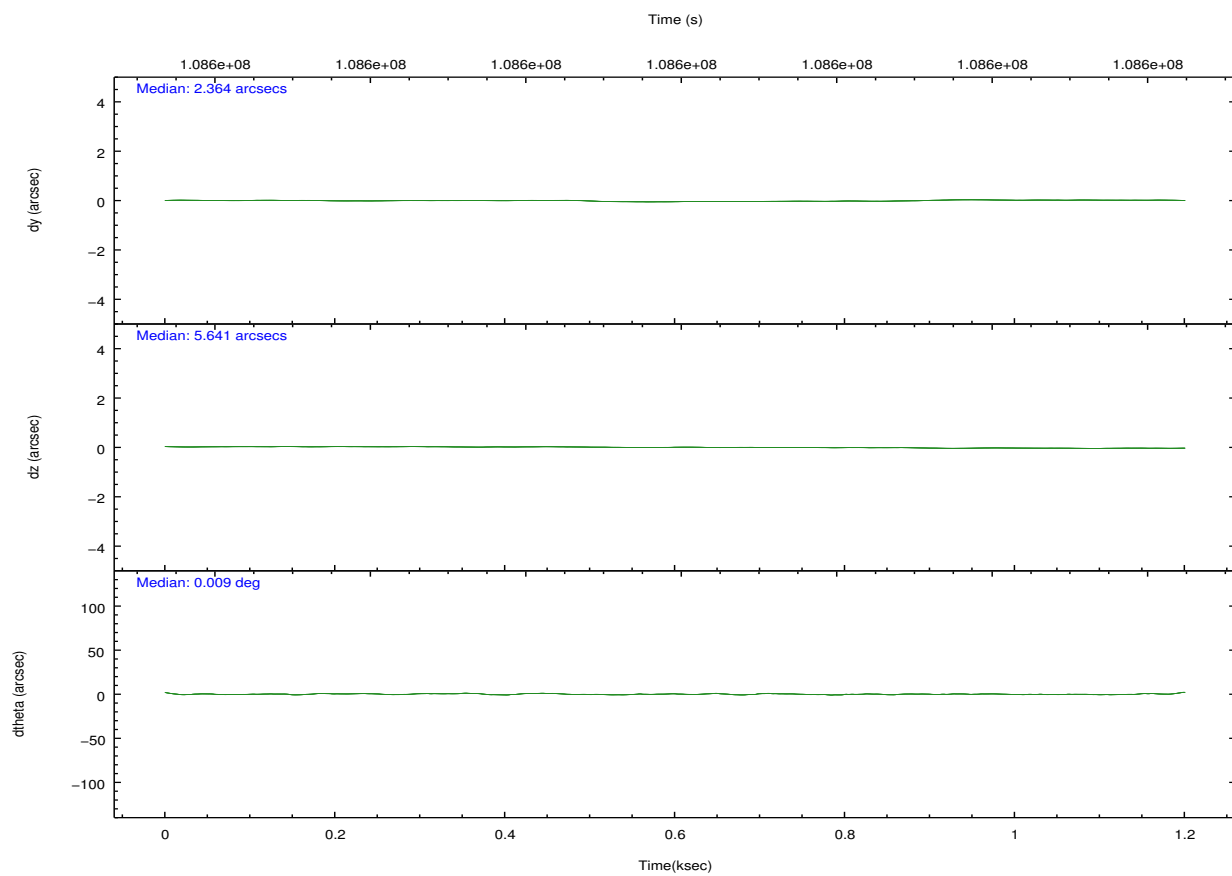
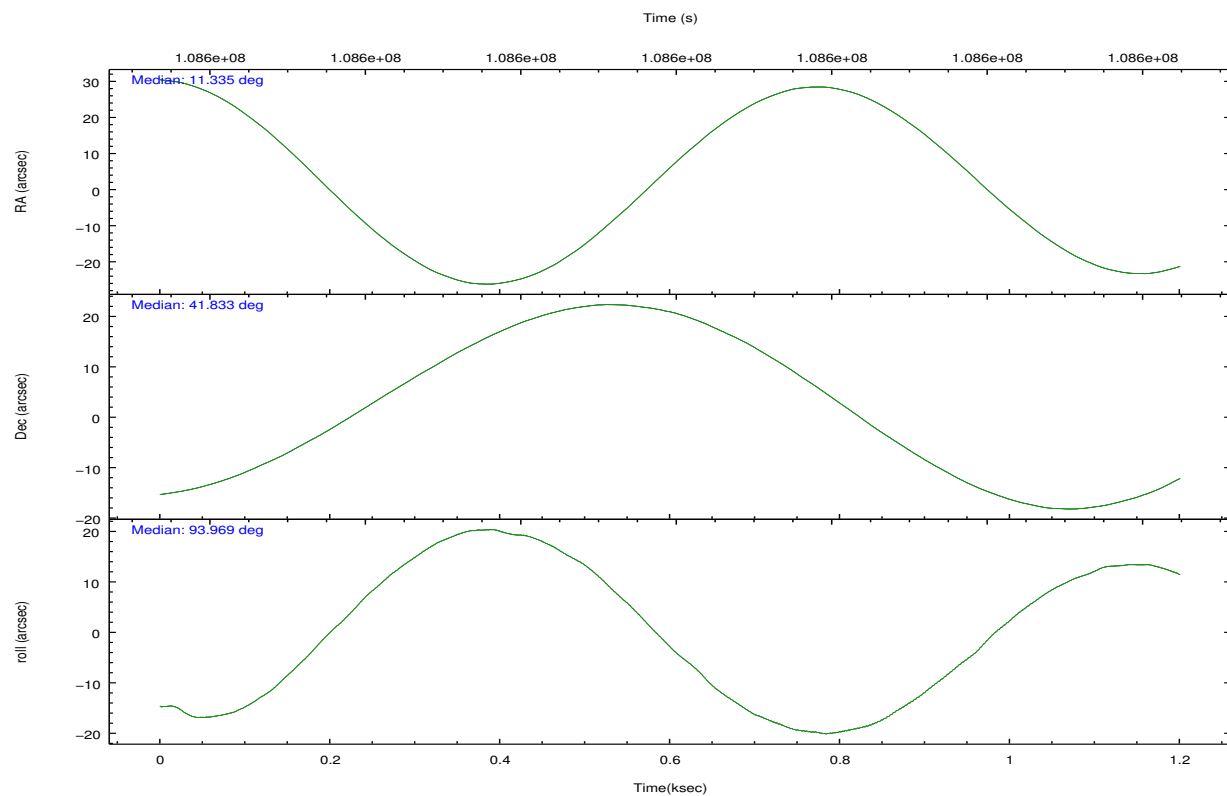
	segment 0
level 1 events	55155
rejected events	10803
rejected %	19%

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	11.356141	11.33487810756564			
[deg] Pointing Dec	41.811557	41.83328668419117			
[deg] Pointing Roll	94.053722	93.97243720757403			
[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)	108601776.184000	108601400.36413			
Observation start date	2001-06-10T23:08:32	2001-06-10T23:03:20			
[s] Observation end time (MET)	108602776.184000	108603661.00172			
Observation end date	2001-06-10T23:25:12	2001-06-10T23:41:01			

2.3 Aspect



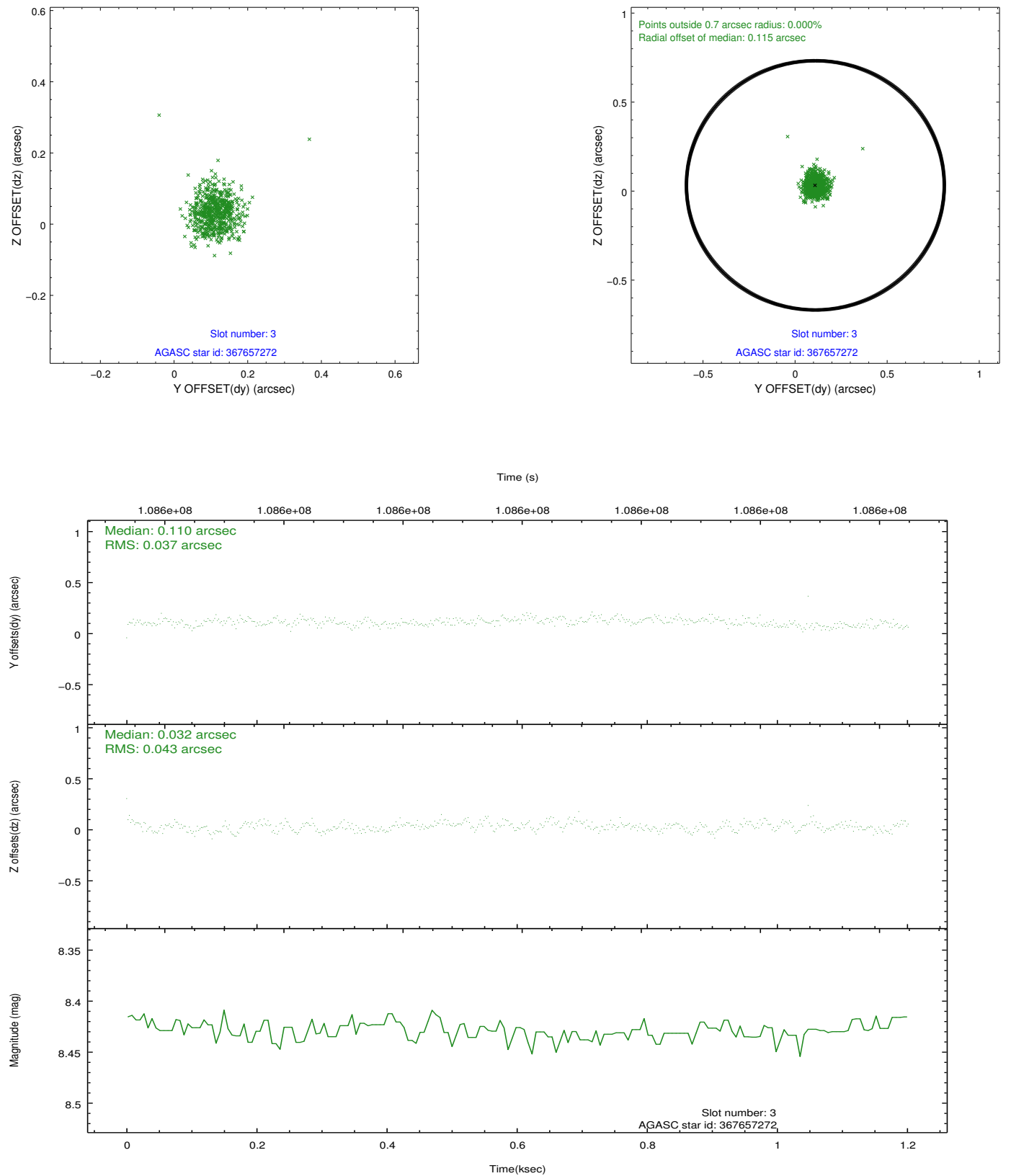


Slot Statistics

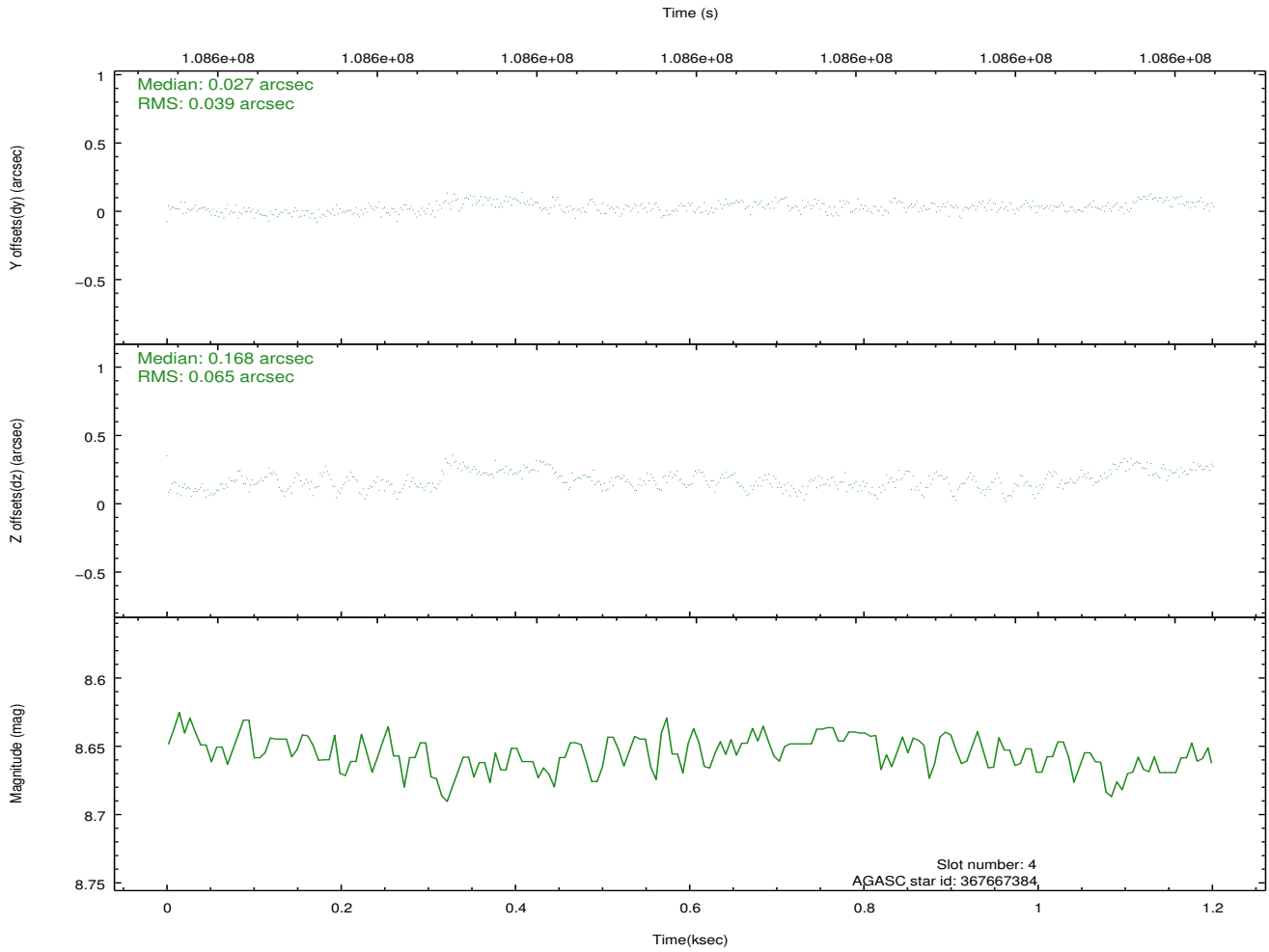
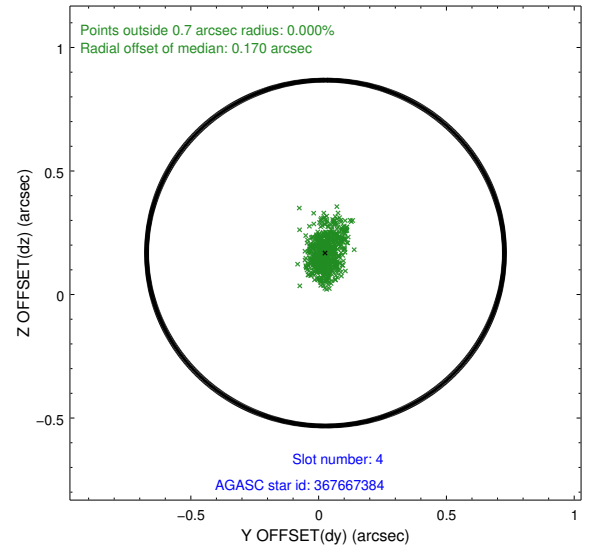
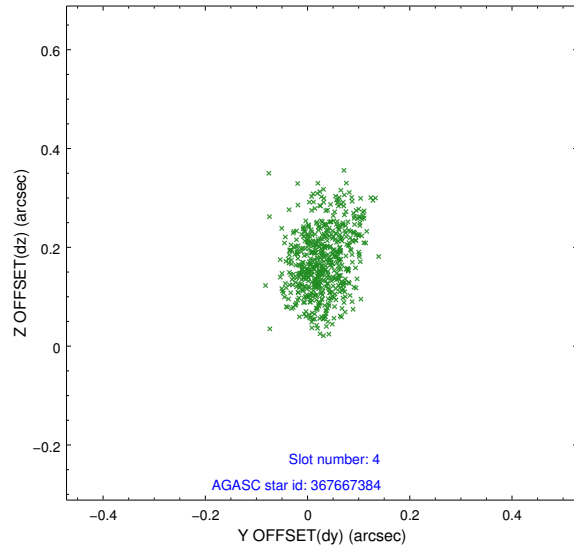
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	293	0.025	0.031	0.006	0.011	0.000000	0.000000	-757.80	-1293.41
1	FID	HRC-I-3	7.07	293	0.032	-0.091	0.006	0.011	0.000000	0.000000	-1188.85	1006.62
2	FID	HRC-I-4	7.01	293	0.057	-0.030	0.005	0.009	0.000000	0.000000	1280.98	1012.12
3	GUIDE	367657272	8.43	587	0.110	0.032	0.059	0.094	11.834471	41.298907	-1926.83	-1160.30
4	GUIDE	367667384	8.66	587	0.027	0.168	0.080	0.132	12.077552	41.596878	-901.45	-1885.05
5	GUIDE	367665384	8.80	587	-0.198	-0.238	0.073	0.119	10.414363	42.275730	1857.95	2380.00
6	GUIDE	367657368	8.64	582	0.088	0.115	0.059	0.102	11.928227	41.287266	-1981.93	-1406.60
7	GUIDE	367674552	8.85	586	-0.032	-0.097	0.066	0.108	11.016238	41.570845	-799.58	971.84

2.4 Star Slots

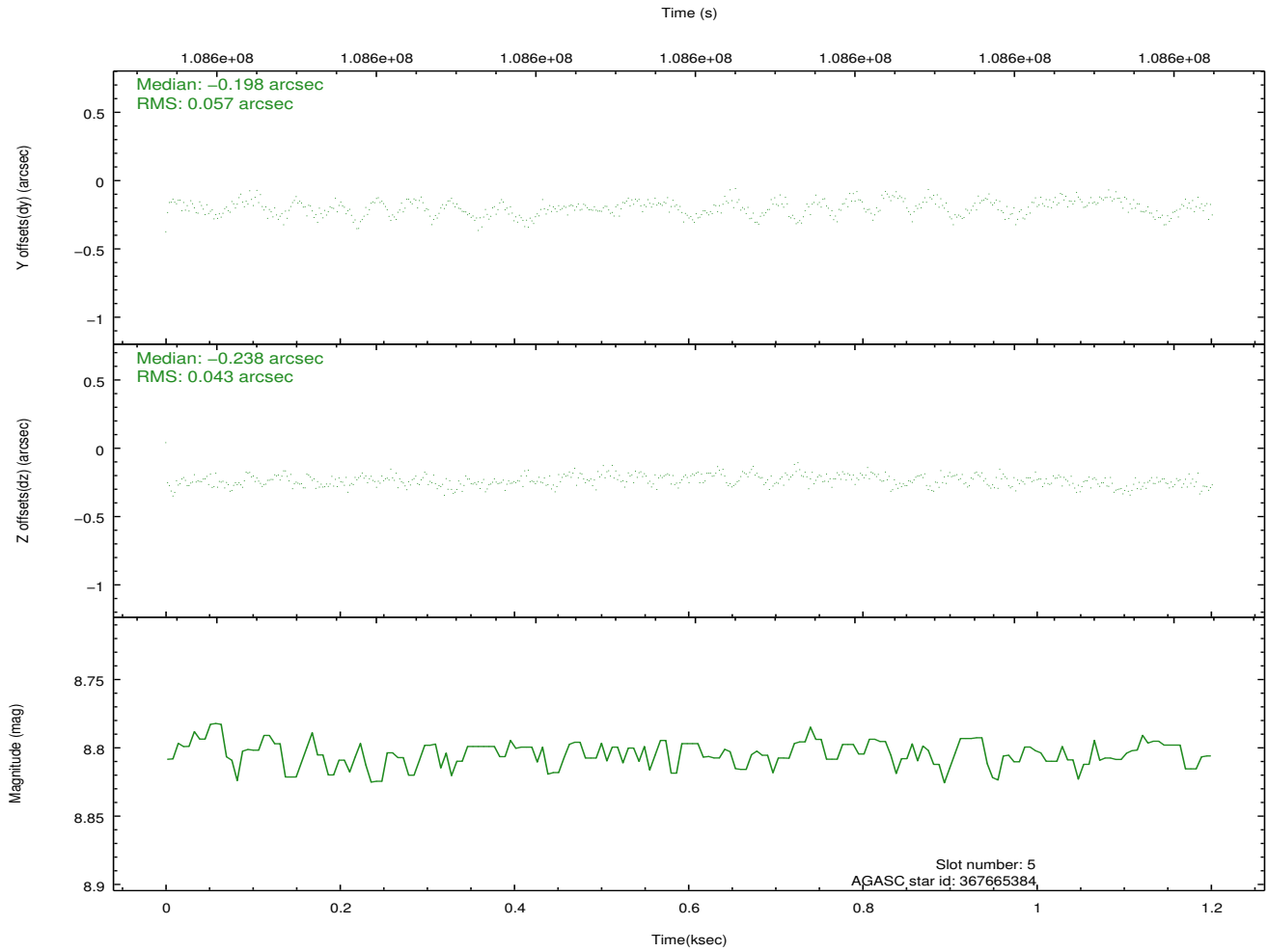
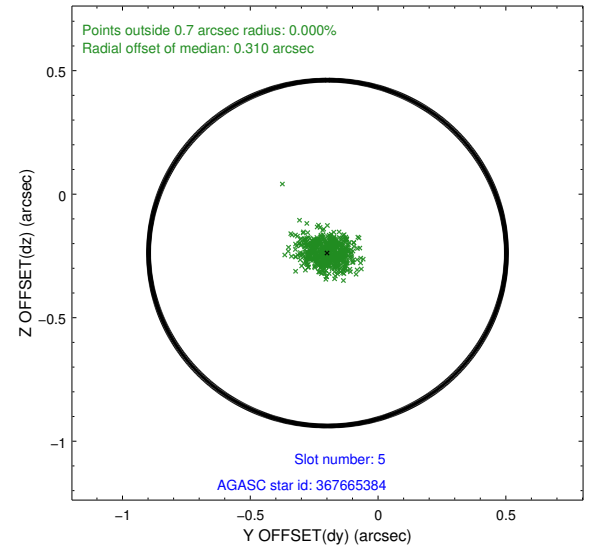
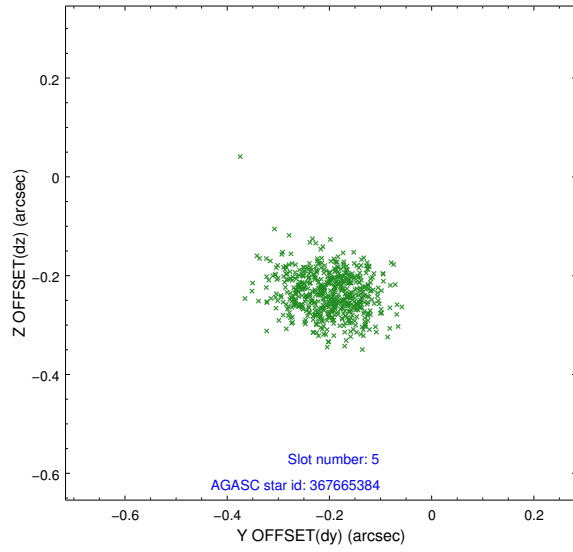
2.4.1 Slot 3



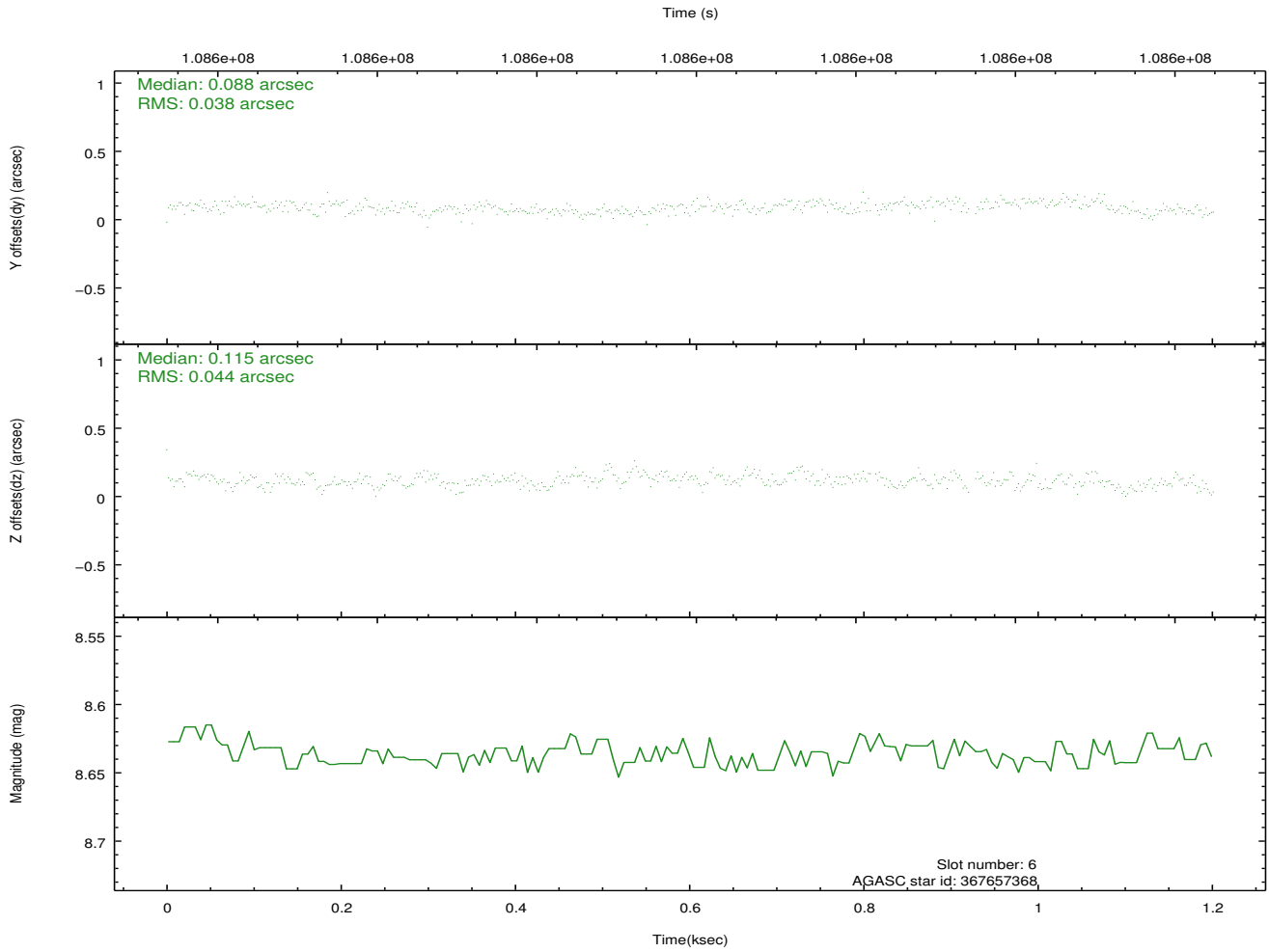
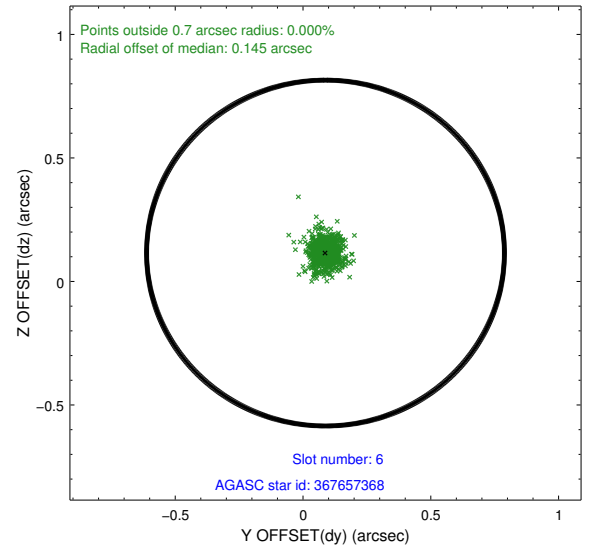
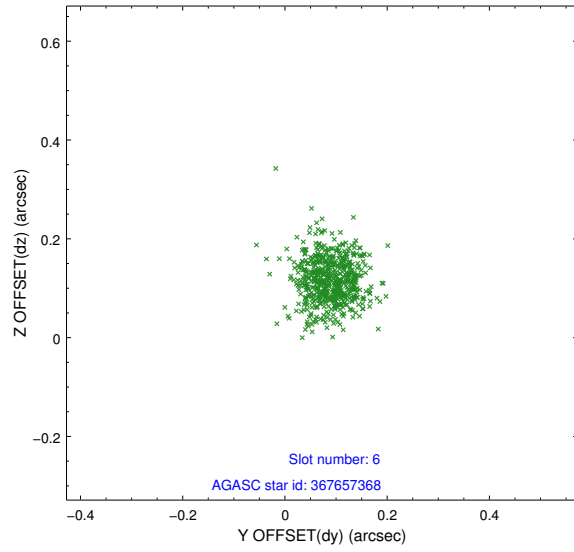
2.4.2 Slot 4



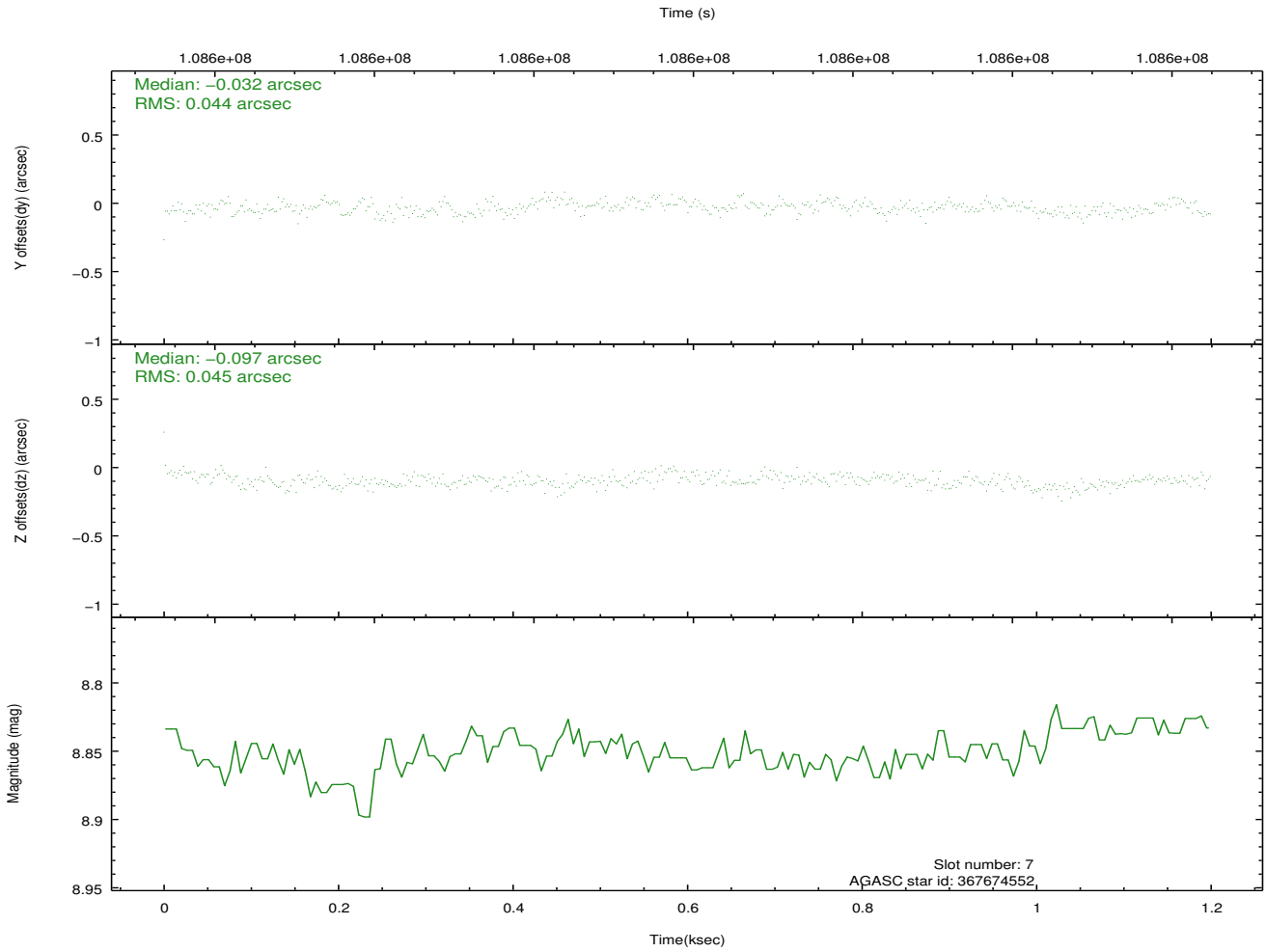
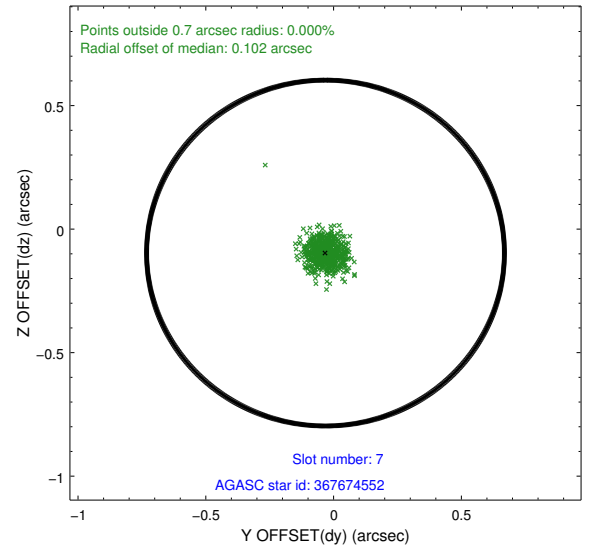
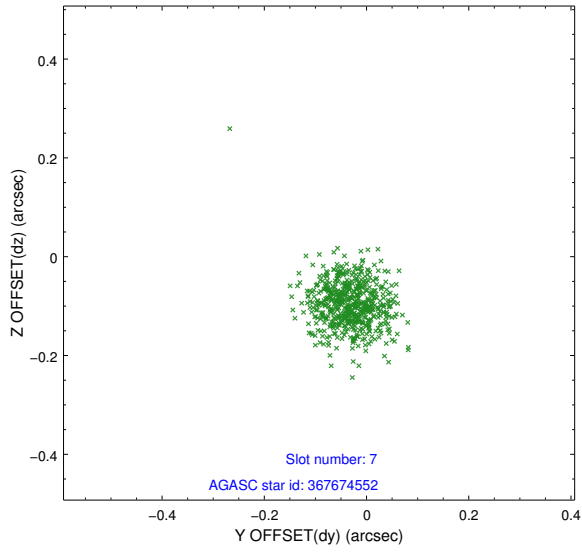
2.4.3 Slot 5



2.4.4 Slot 6

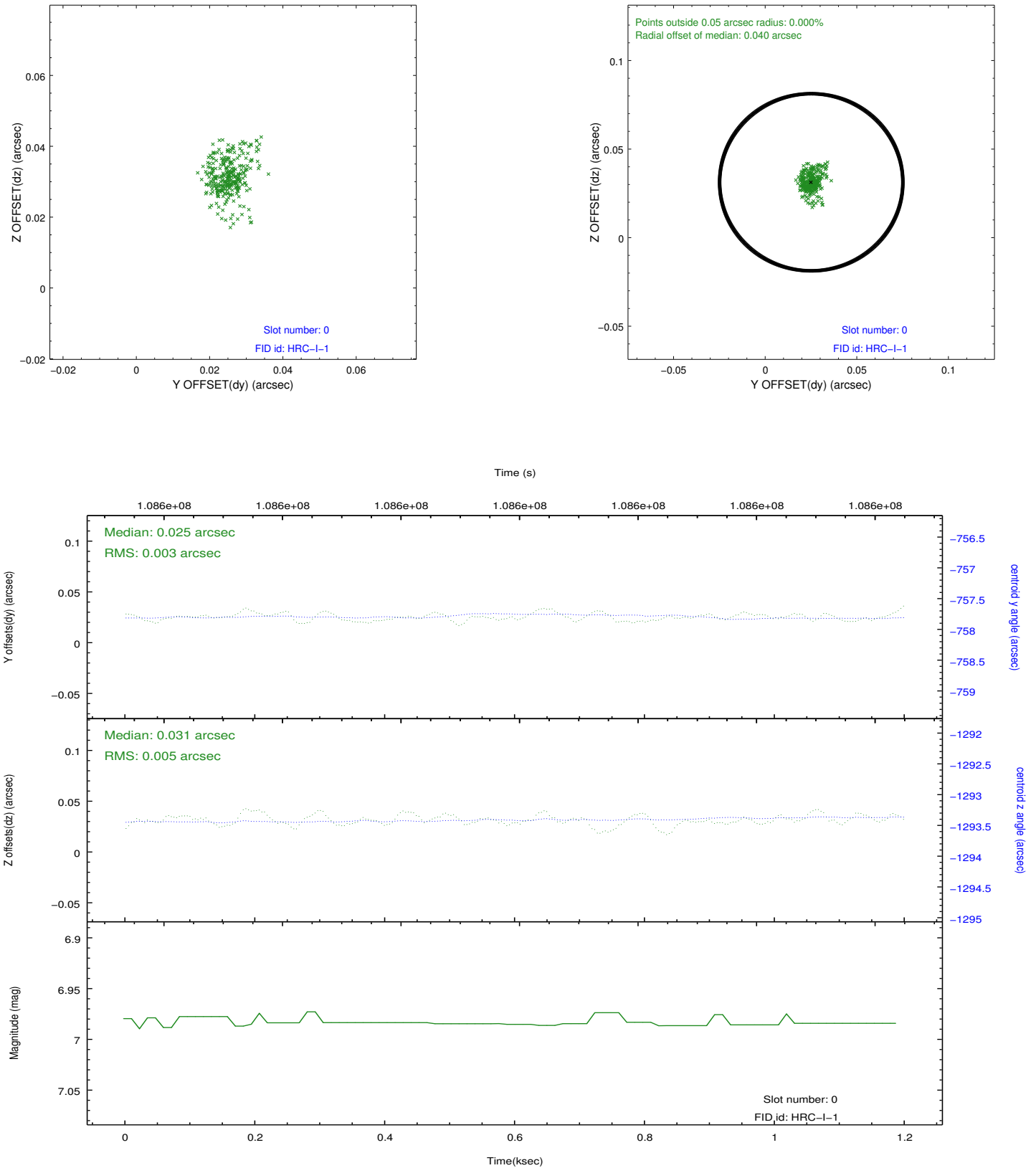


2.4.5 Slot 7

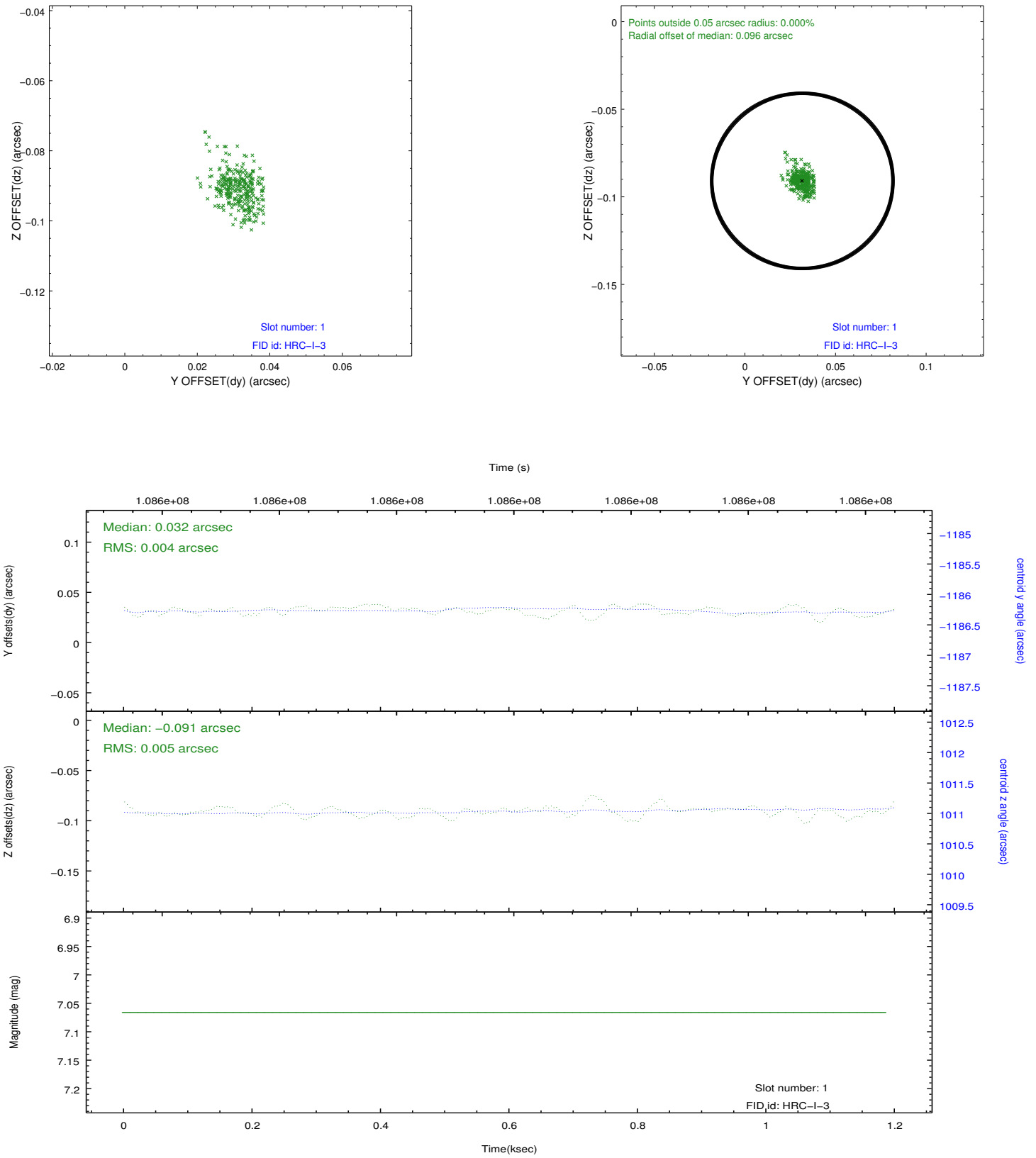


2.5 FID Slots

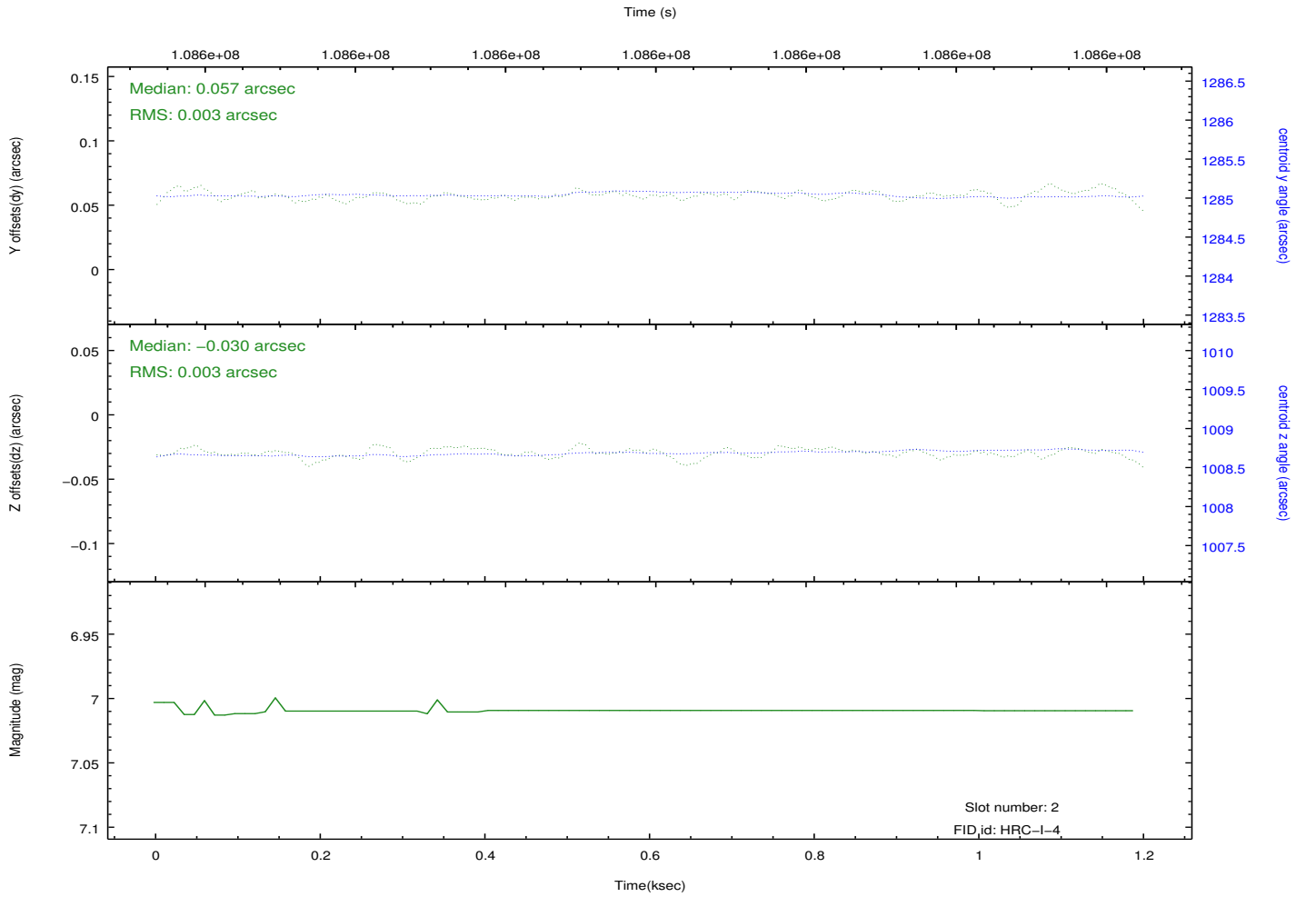
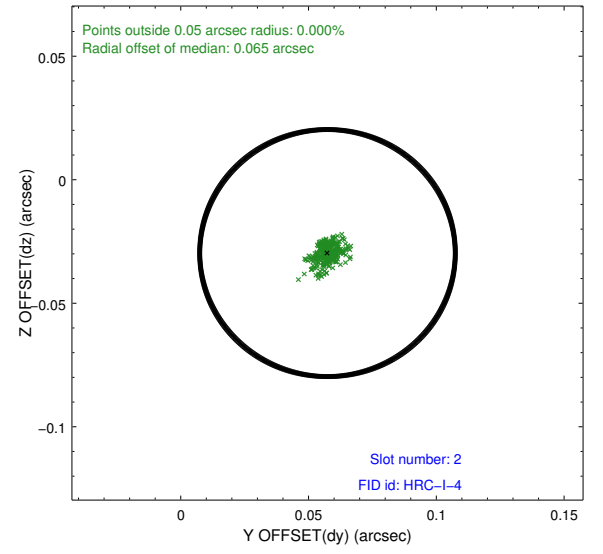
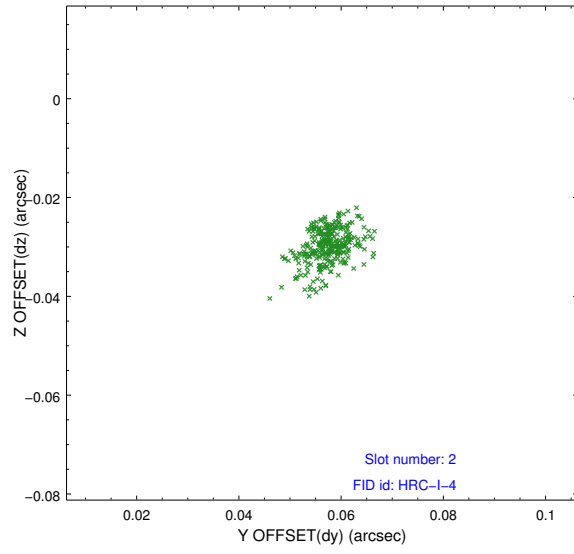
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.198

A.2 Comments

Charge time for this observation remains at previous value of 1.198 ksec.

Window preference met.