

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5343 - L2 Version 3
Chandra X-Ray Center

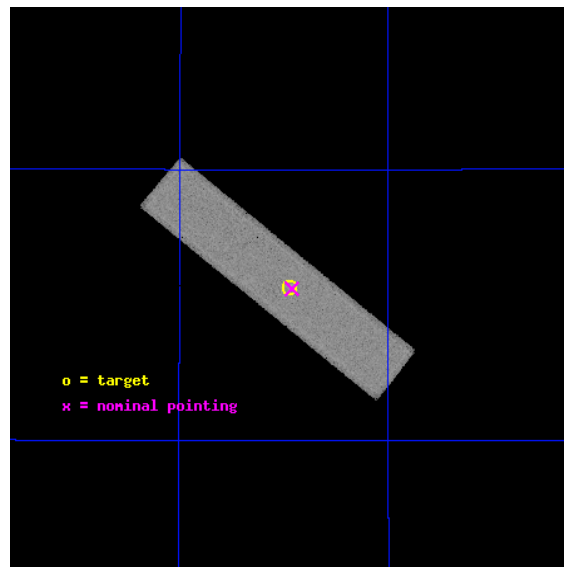
L2 Processing Date : Dec 6 2012

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1 Front

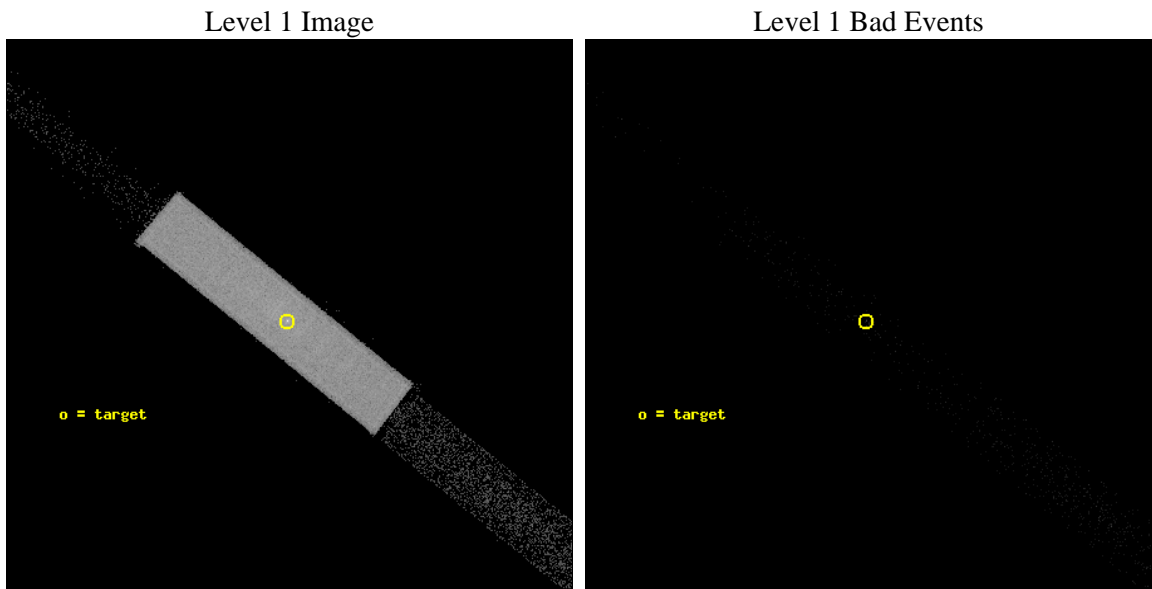
seq_num	290440	Sequence number
obs_id	5343	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.2304571542	Nominal RA [deg]
dec_nom	38.780666415645	Nominal Dec [deg]
roll_nom	218.90011451591	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3287.4313961864	[s]
livetime	3269.7566761393	Ontime multiplied by DTCOR
l2events	116393	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	3100.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	3287.4313961864	[s]
caldbver	4.5.4	 	l1events	188946	Number of level 1 events
date	2012-12-06T23:01:32	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

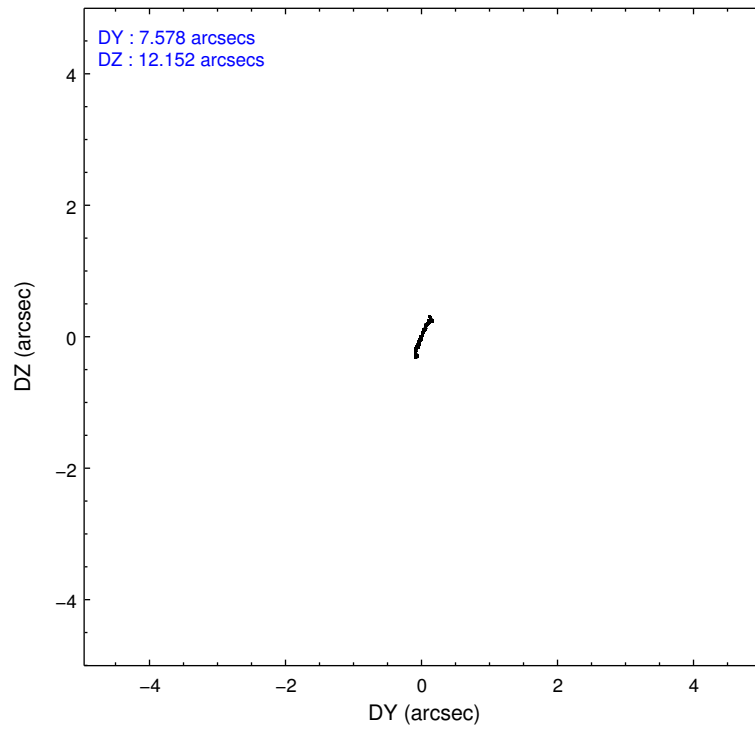
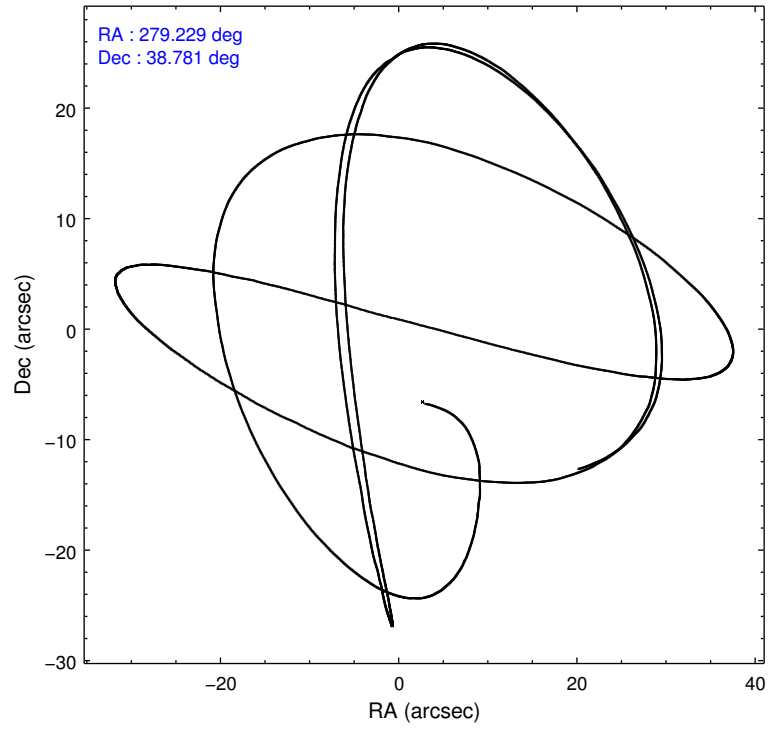
Level 1 Events

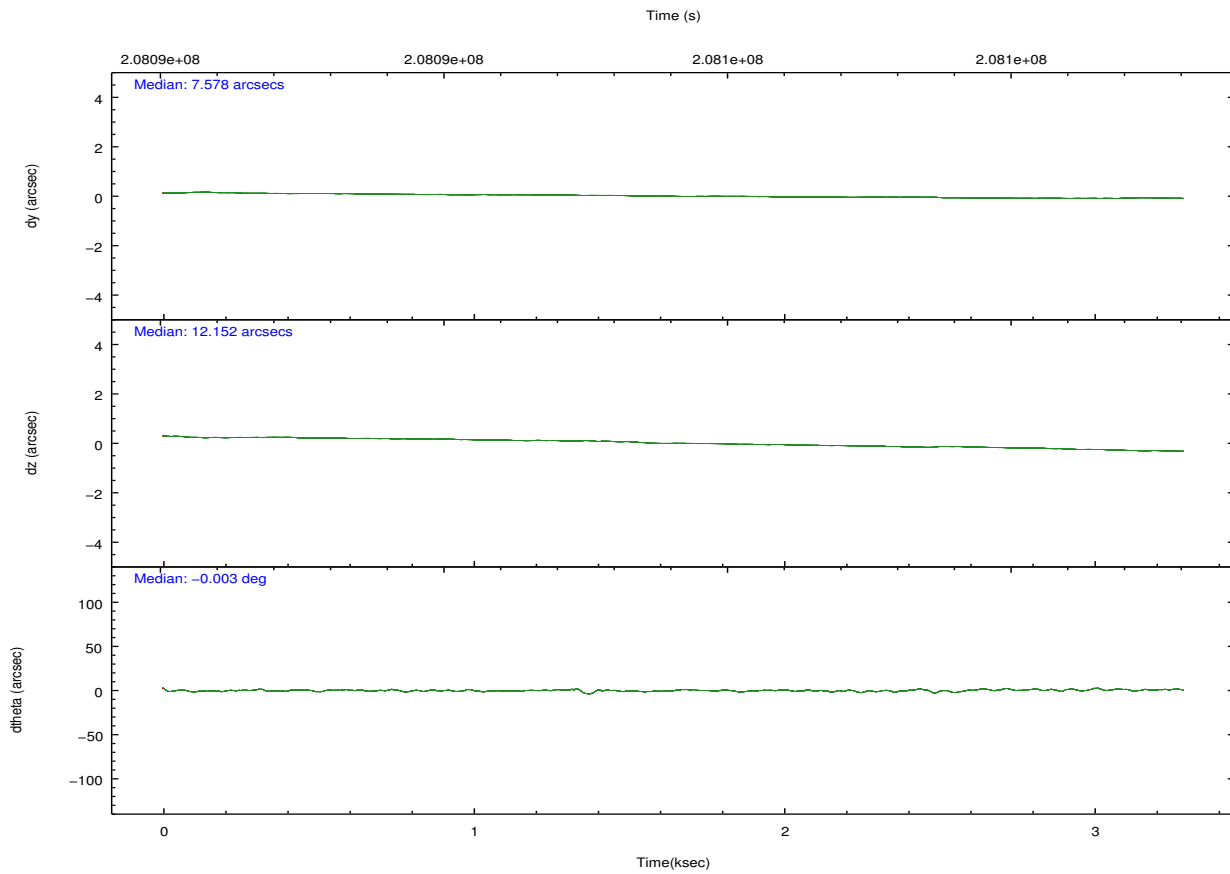
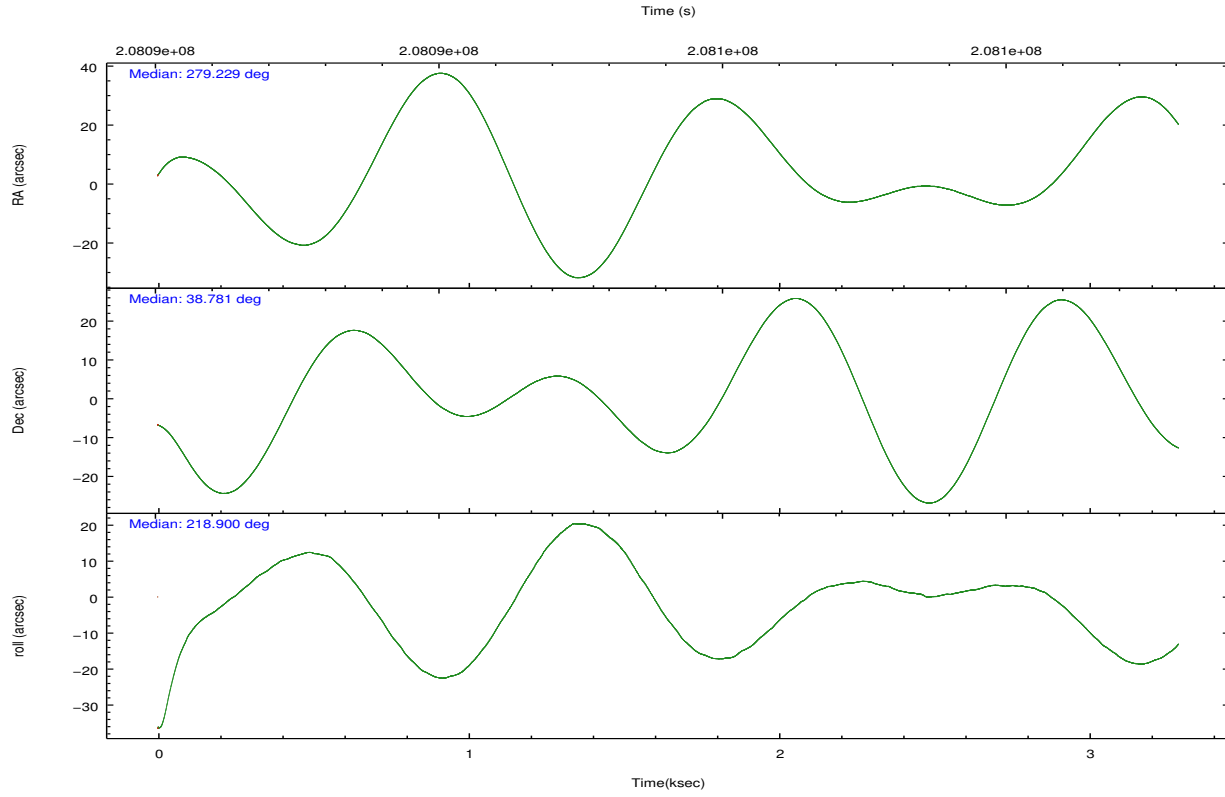
	segment 1	segment 2	segment 3
level 1 events	653	184366	3927
rejected events	653	37969	3927
rejected %	100%	20%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.241726	279.2304571542006			
[deg] Pointing Dec	38.808109	38.78066641564478			
[deg] Pointing Roll	218.825833	218.9001145159111			
[s] Window start time (MET)	207705664.184000	207705664.184000			
[s] Window stop time (MET)	210384004.184000	210384004.184000			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	208093353.184000	208092343.28756			
Observation start date	2004-08-05T11:41:29	2004-08-05T11:25:43			
[s] Observation end time (MET)	208096453.184000	208096587.30025			
Observation end date	2004-08-05T12:33:09	2004-08-05T12:36:27			

2.3 Aspect



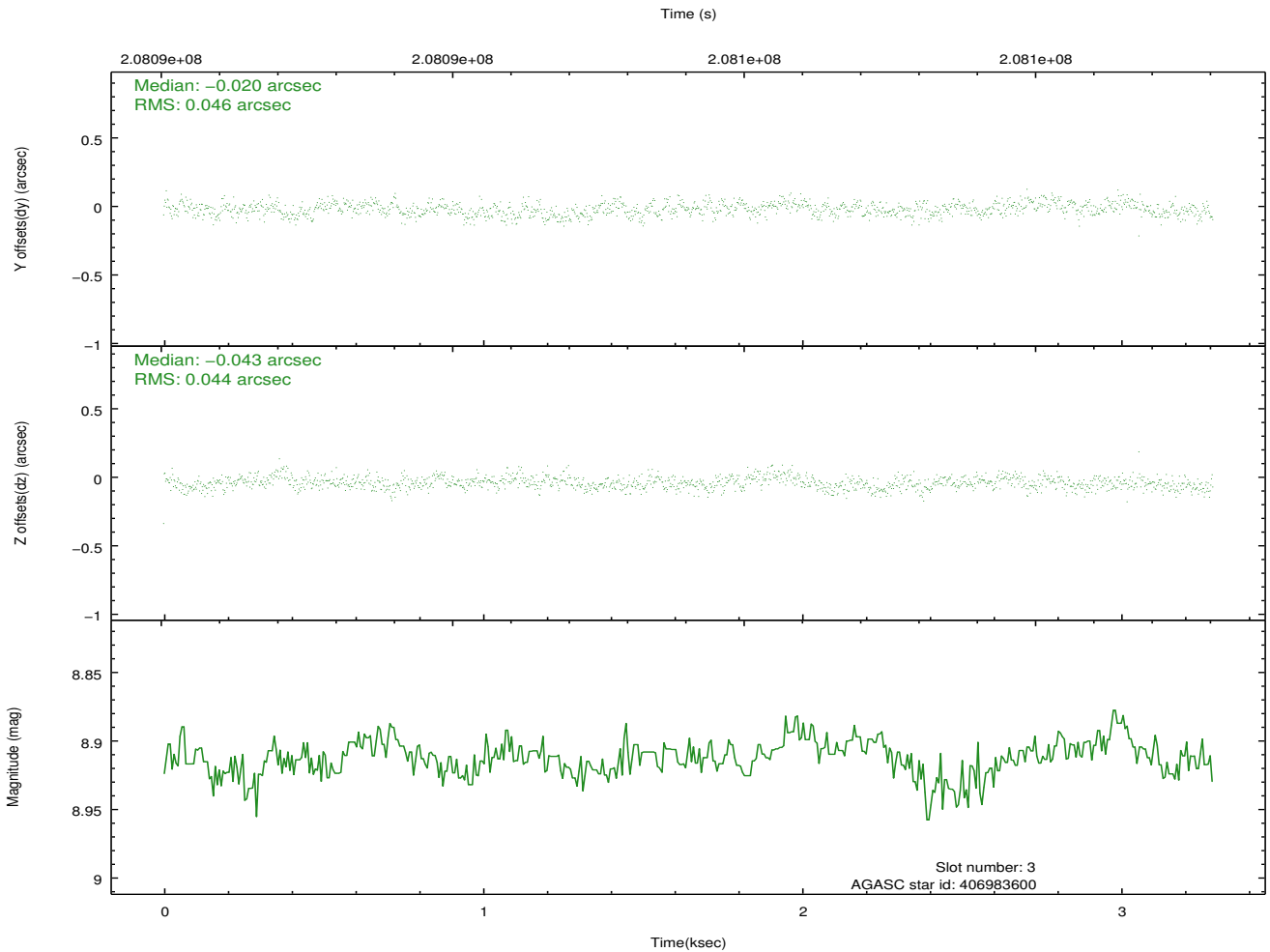
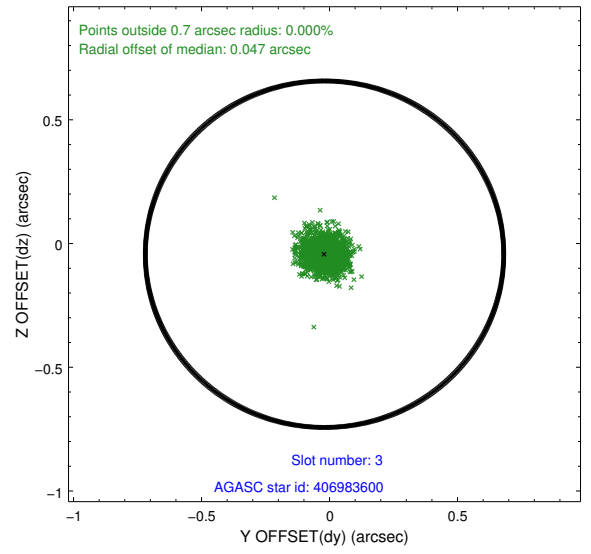
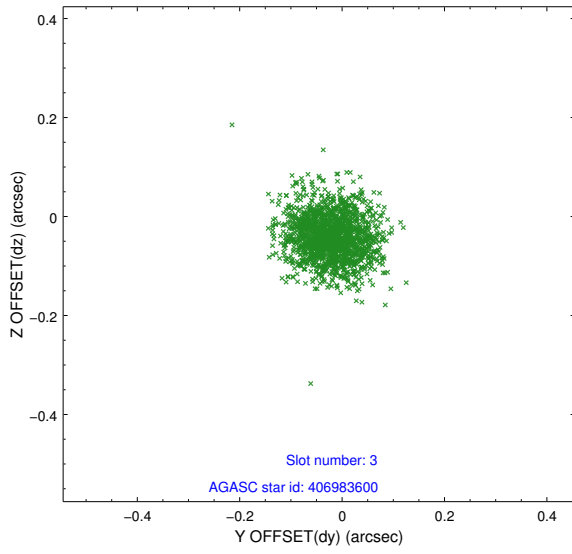


Slot Statistics

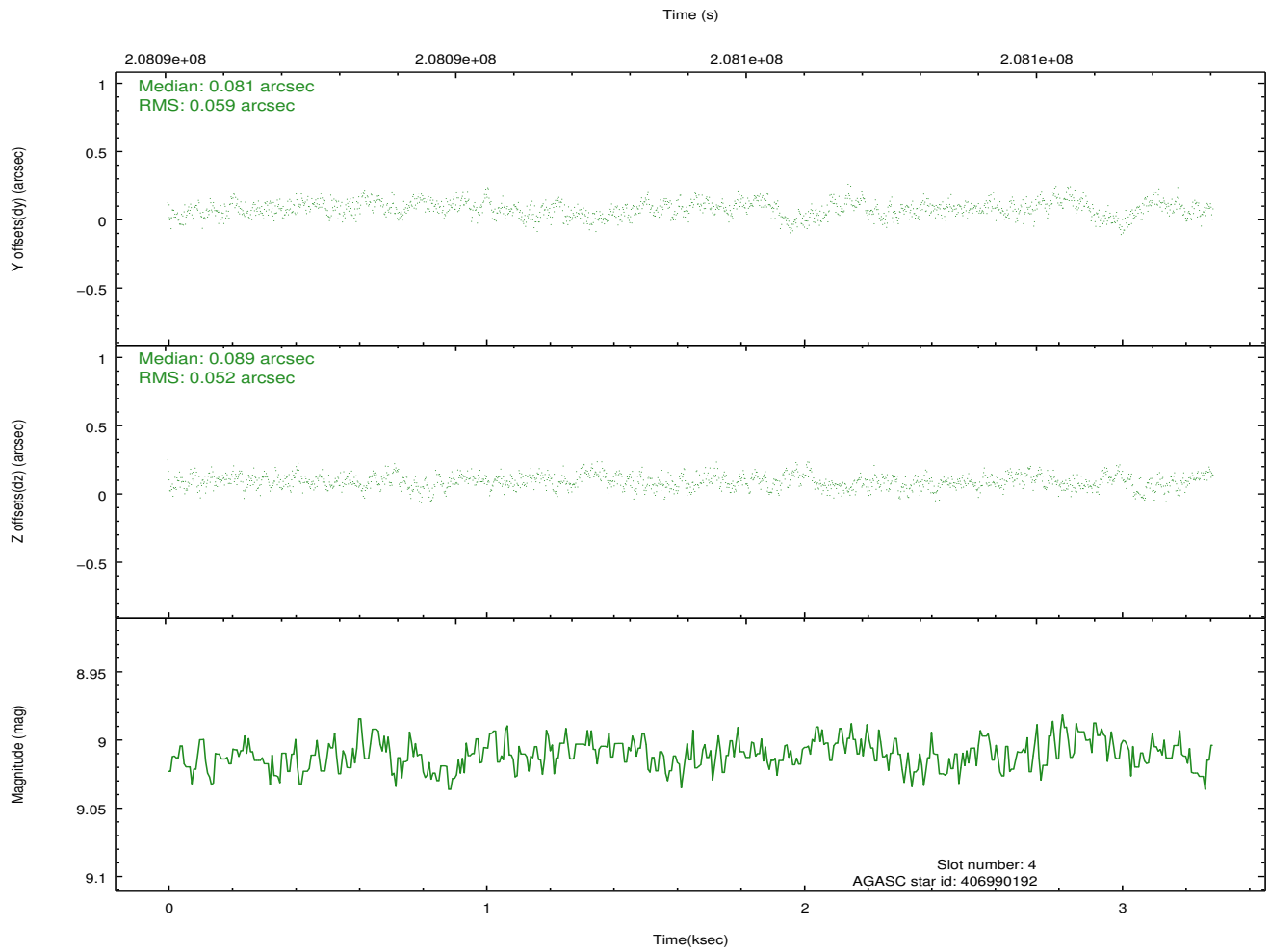
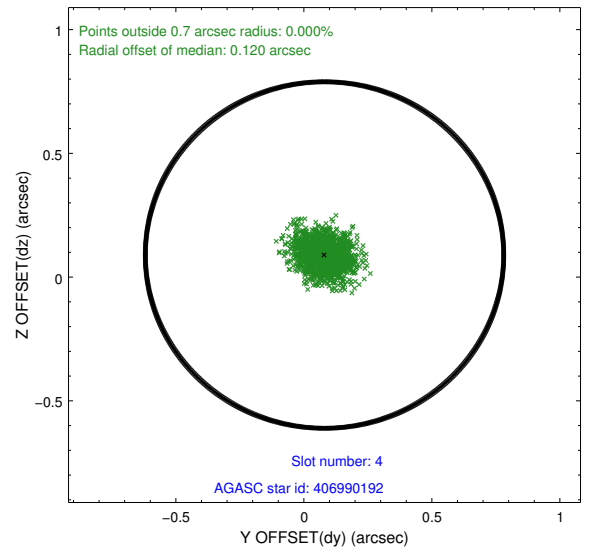
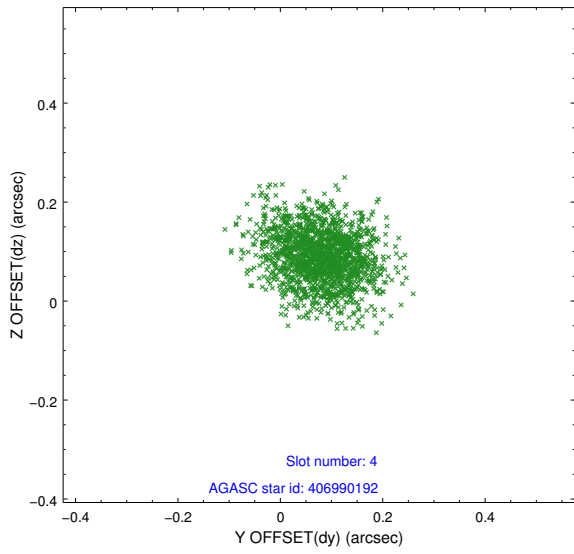
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	803	0.095	-0.133	0.005	0.009	0.000000	0.000000	-1161.79	-460.87
1	FID	HRC-S-2	7.00	803	0.102	-0.068	0.009	0.016	0.000000	0.000000	1236.45	-454.04
2	FID	HRC-S-4	6.99	803	0.207	-0.102	0.007	0.014	0.000000	0.000000	1238.13	570.66
3	GUIDE	406983600	8.91	1602	-0.020	-0.043	0.068	0.111	279.940957	39.020708	-2008.05	623.59
4	GUIDE	406990192	9.01	1604	0.081	0.089	0.083	0.138	278.510952	38.533654	2216.56	-527.29
5	GUIDE	406993992	7.63	1604	-0.050	-0.050	0.059	0.097	279.053714	38.034587	2162.29	1833.76
6	GUIDE	407521232	8.63	1602	-0.084	0.102	0.070	0.116	279.628883	39.431715	-2246.12	-1075.55
7	GUIDE	406985120	7.42	1604	0.072	-0.103	0.065	0.108	278.839732	38.894839	679.06	-953.00

2.4 Star Slots

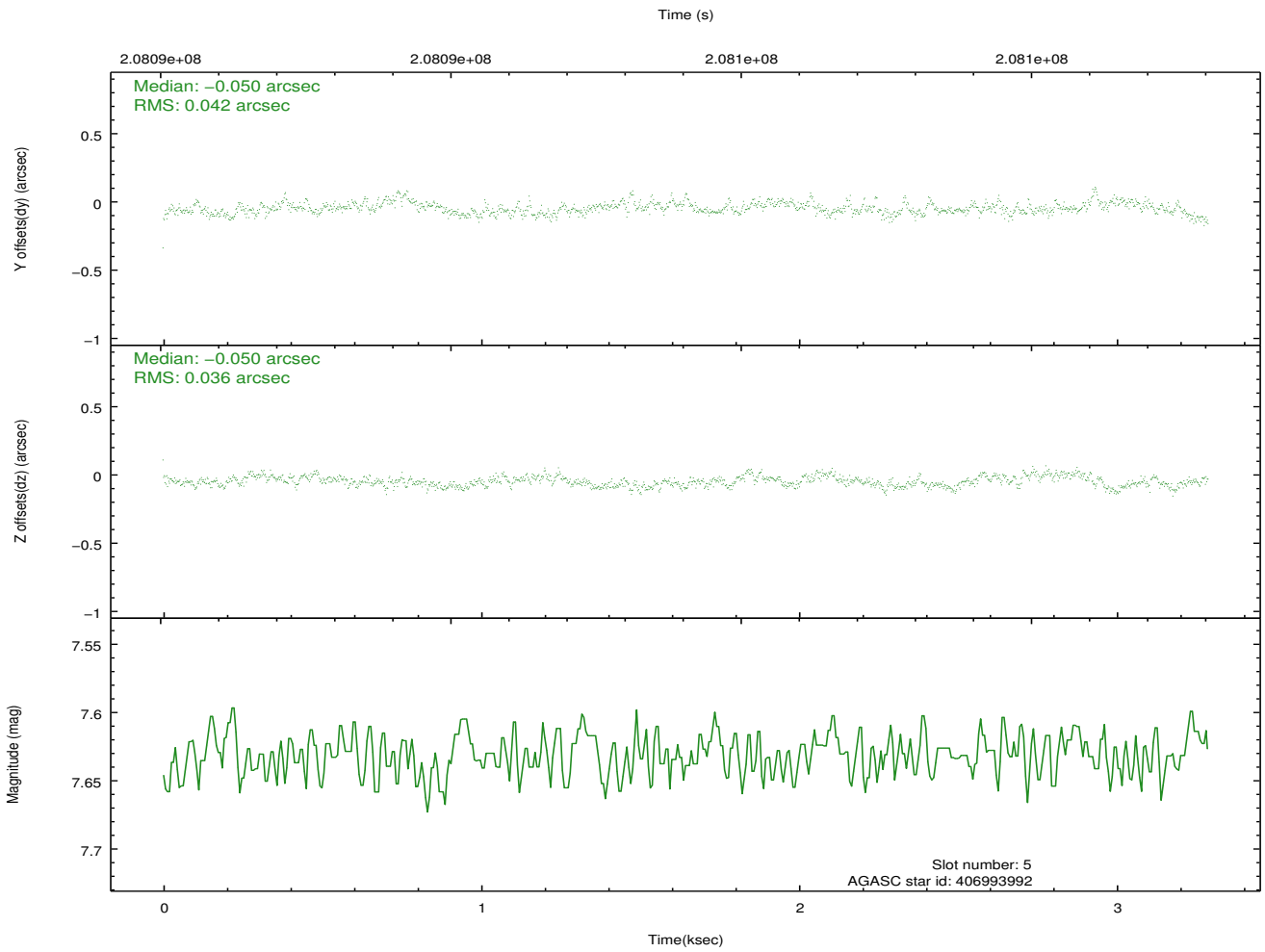
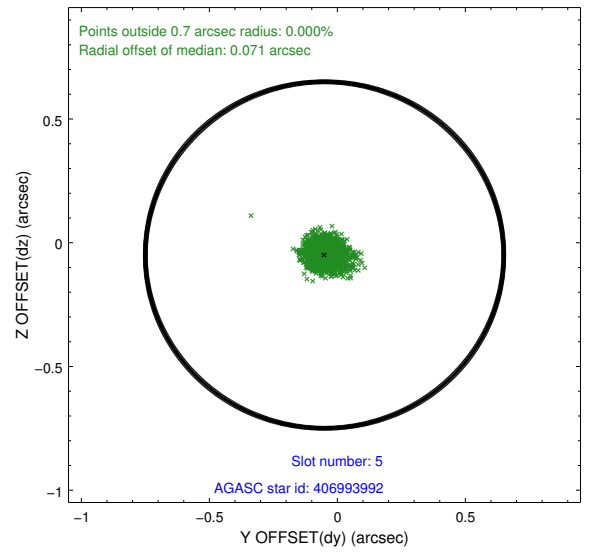
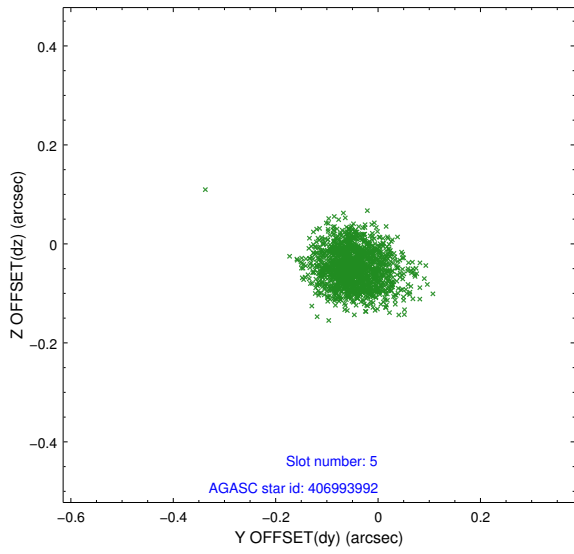
2.4.1 Slot 3



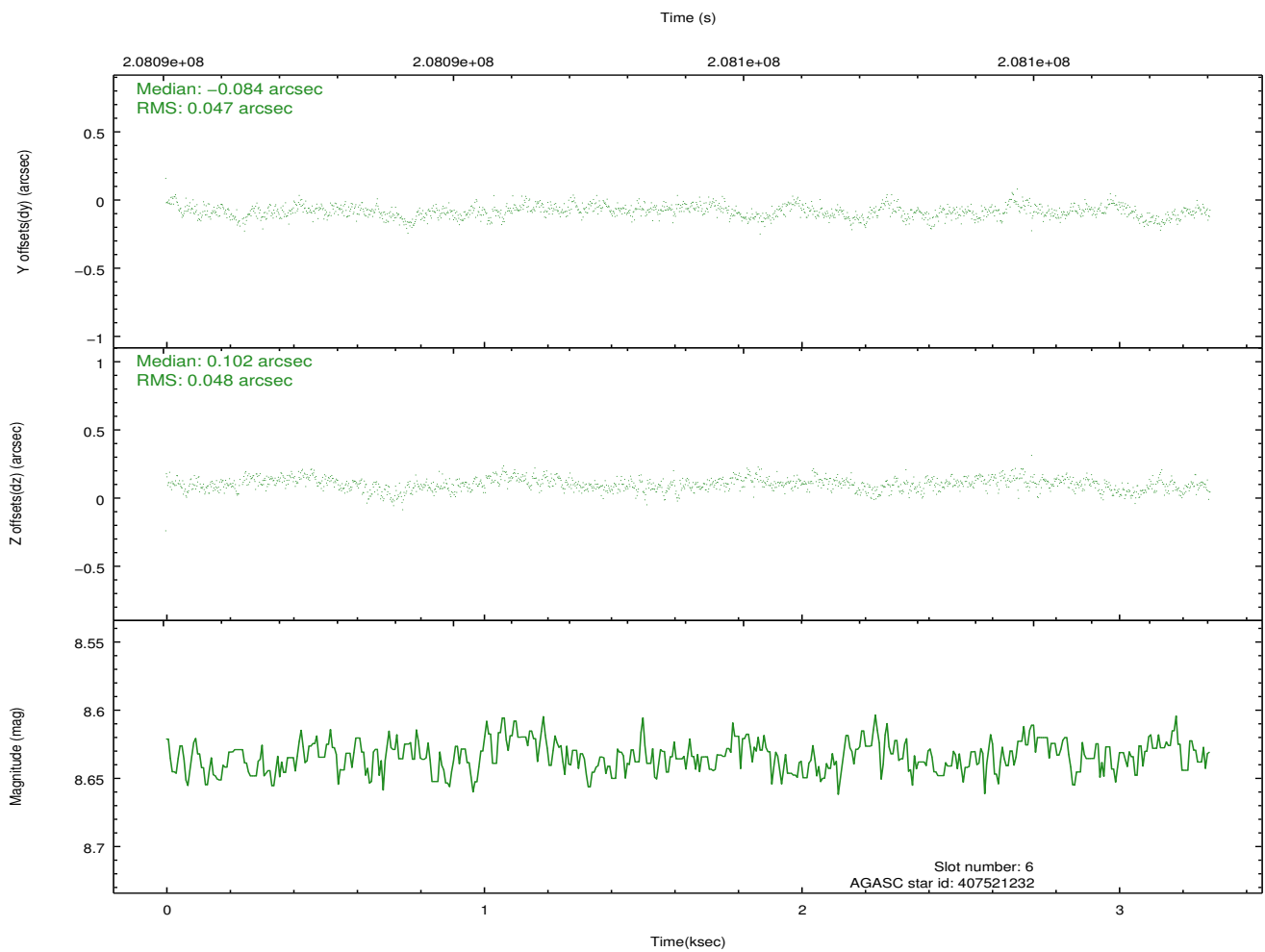
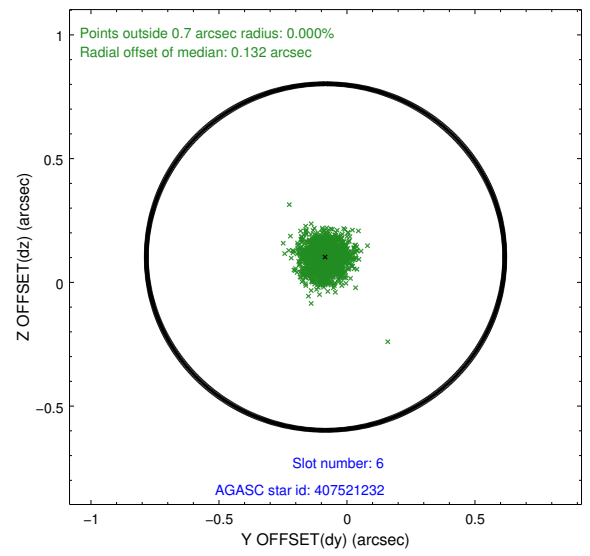
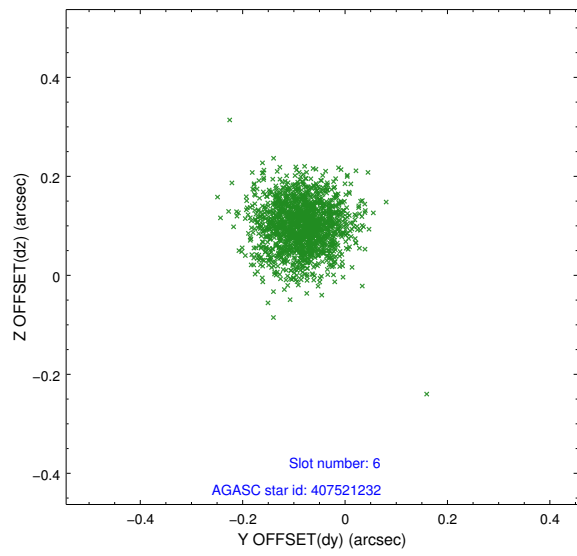
2.4.2 Slot 4



2.4.3 Slot 5

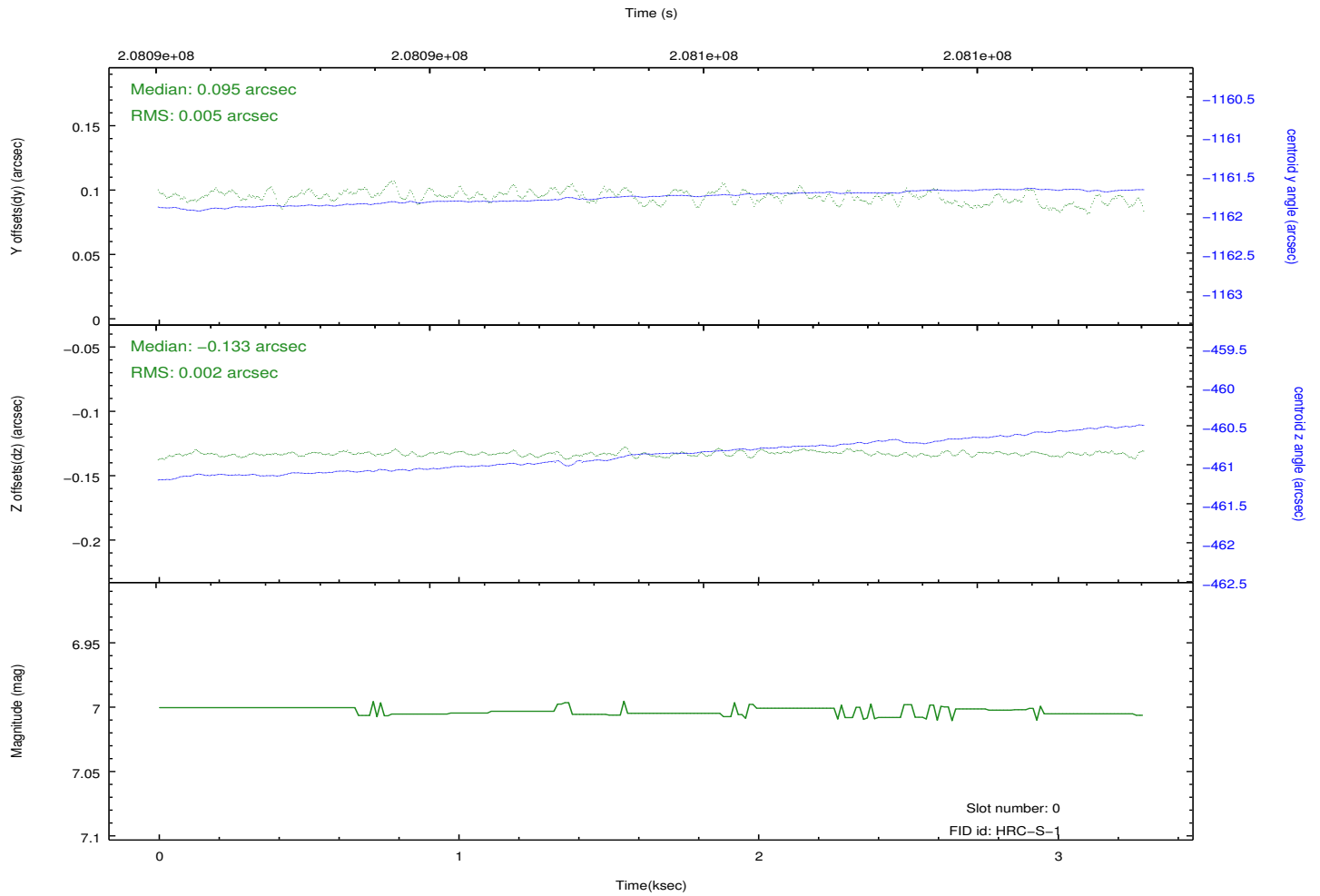
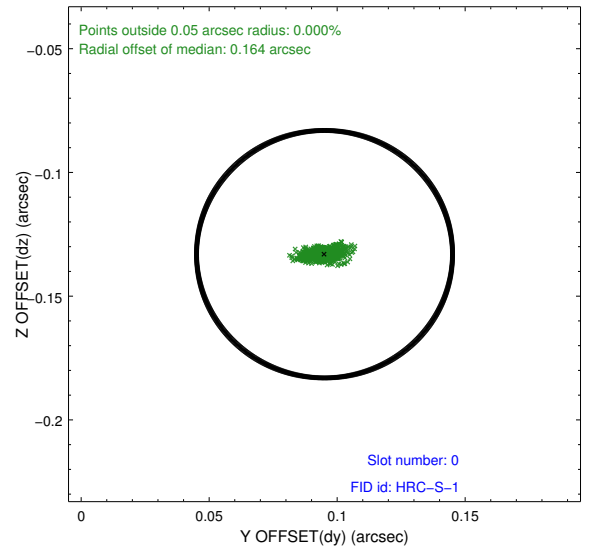
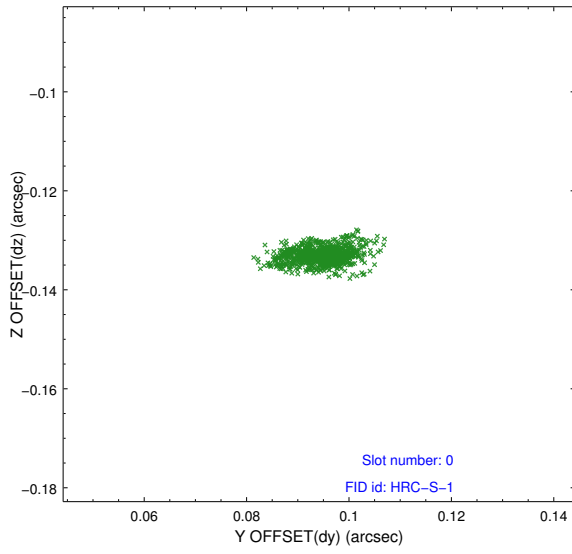


2.4.4 Slot 6

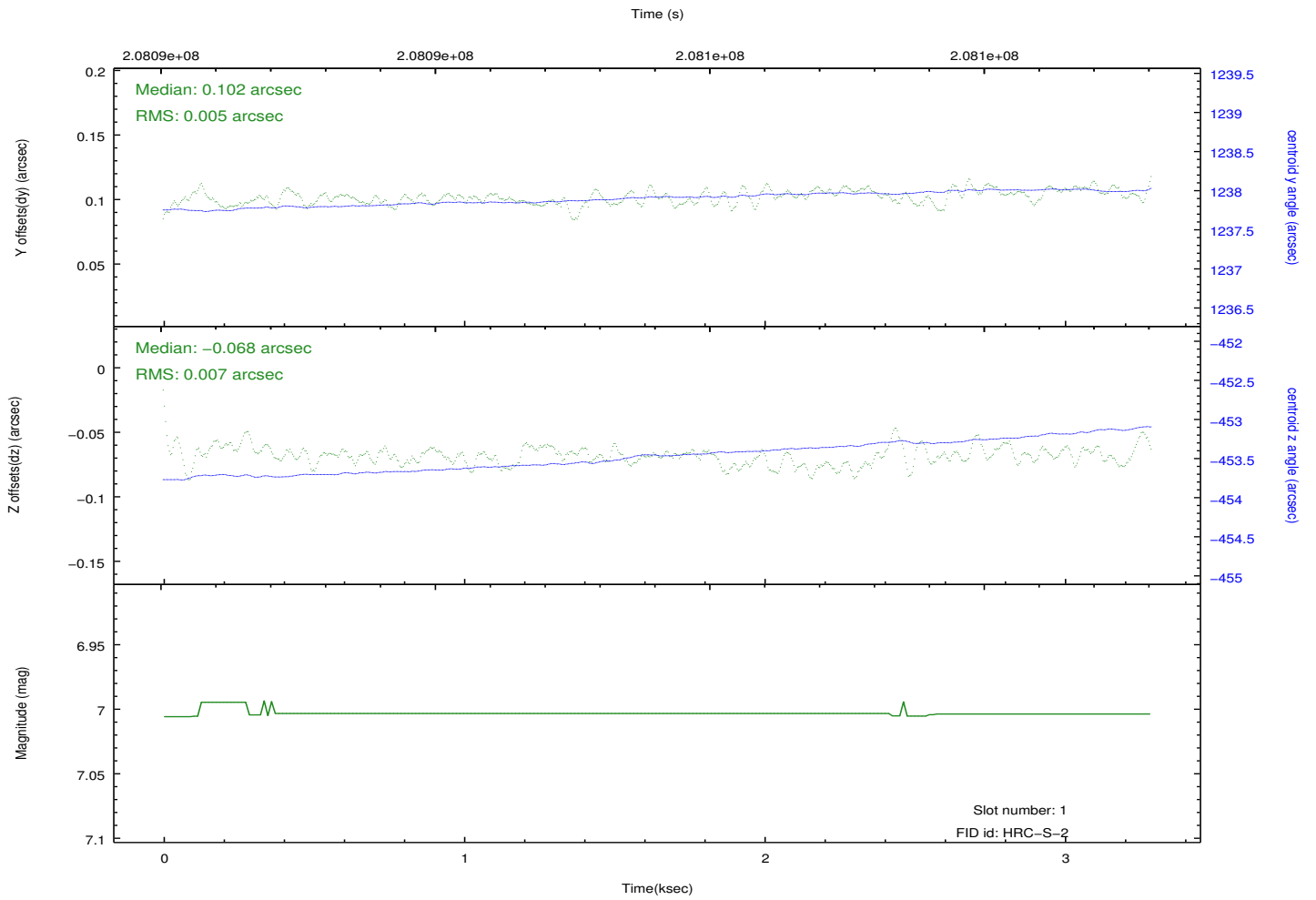
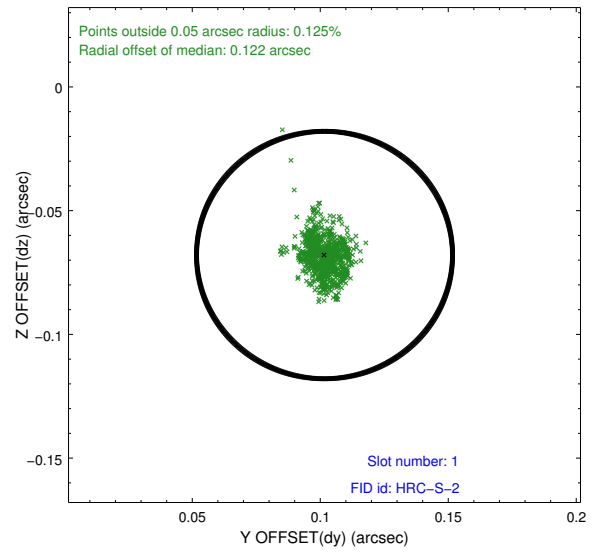
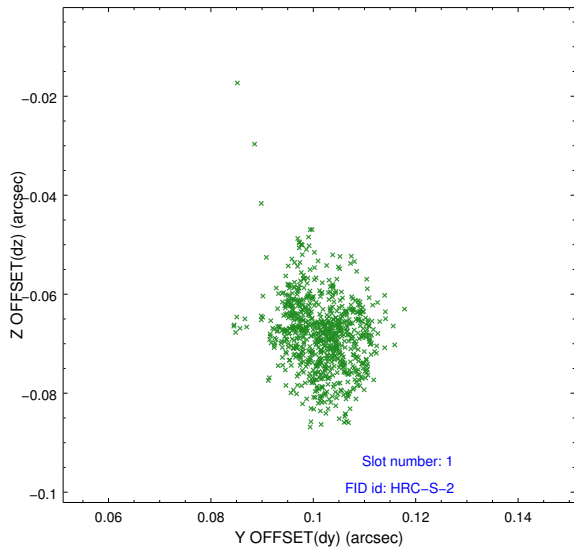


2.5 FID Slots

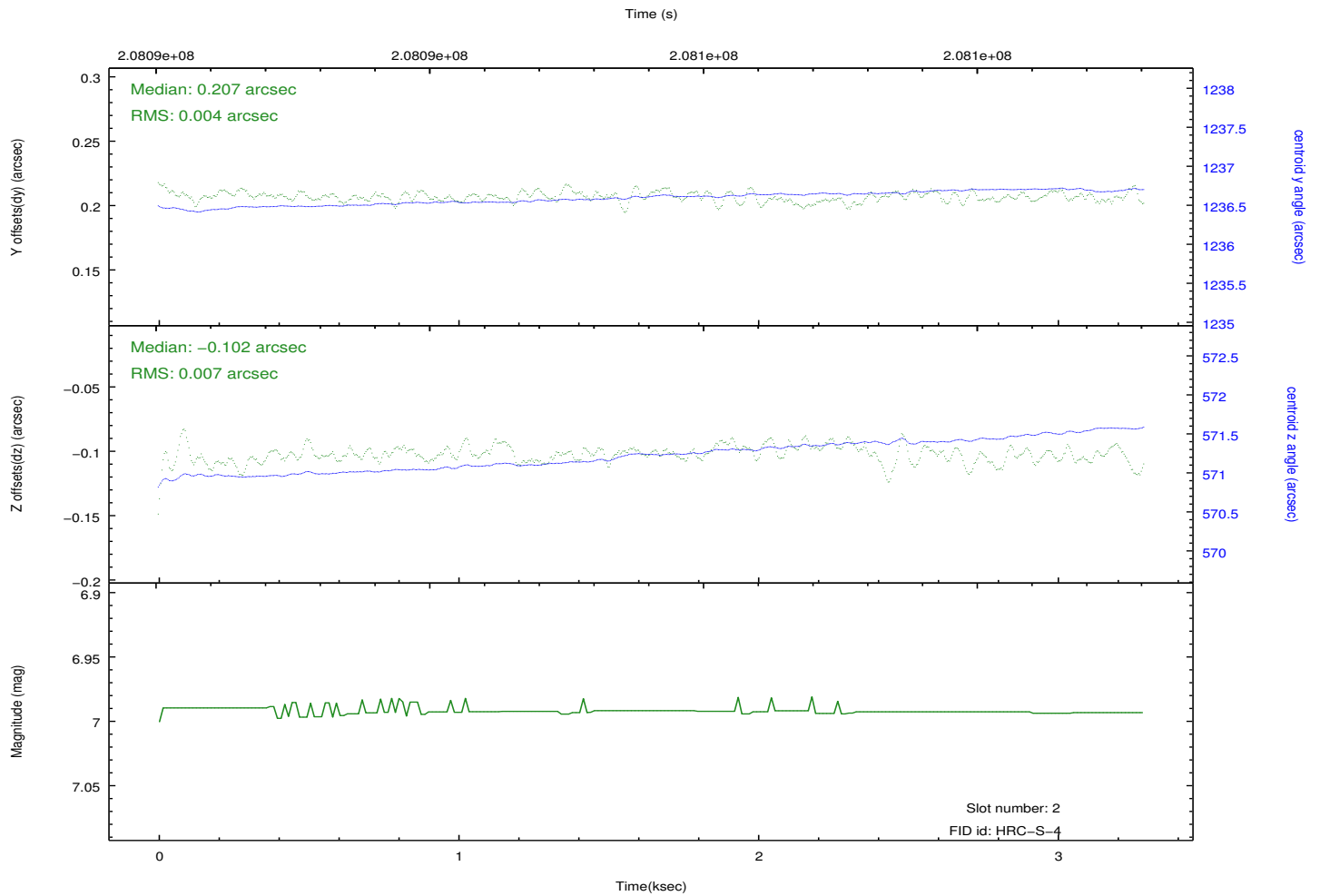
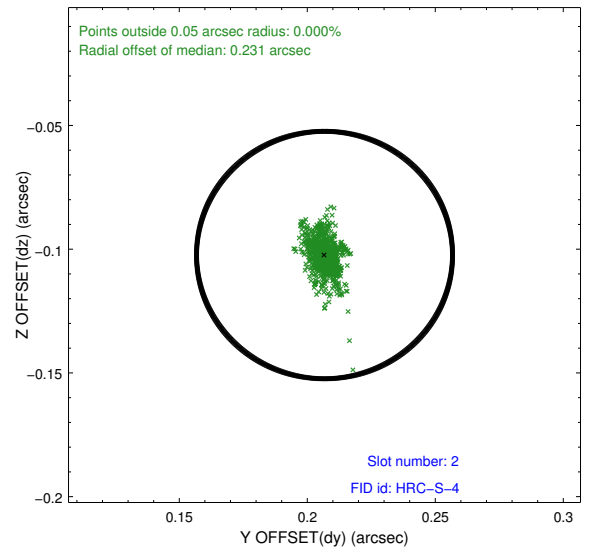
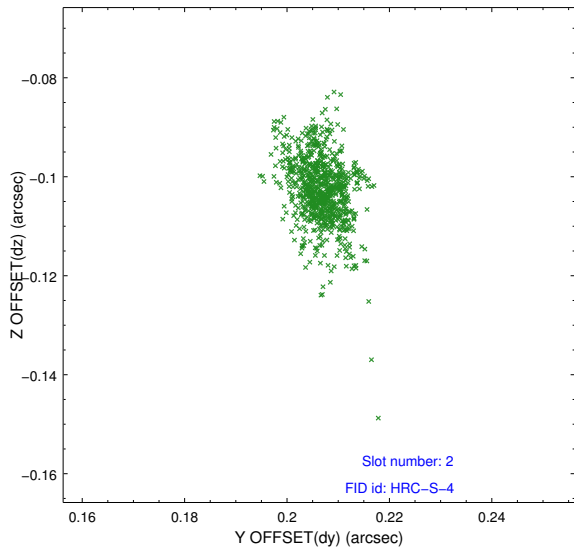
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.287

A.2 Comments

Window constraint met.