

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5053 - L2 Version 3
Chandra X-Ray Center

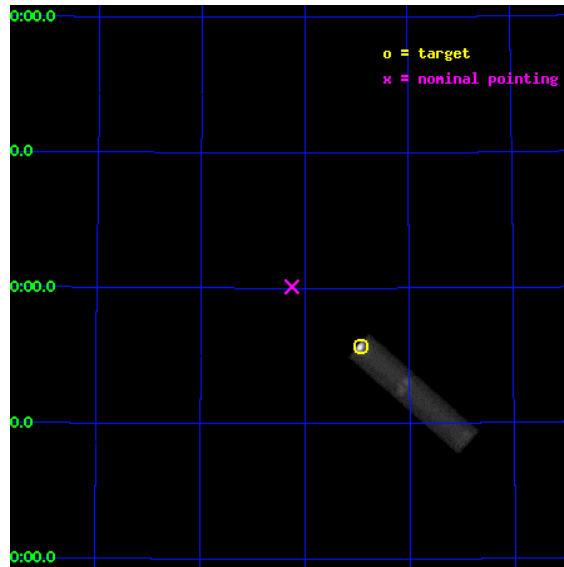
L2 Processing Date : Nov 11 2012

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1 Front

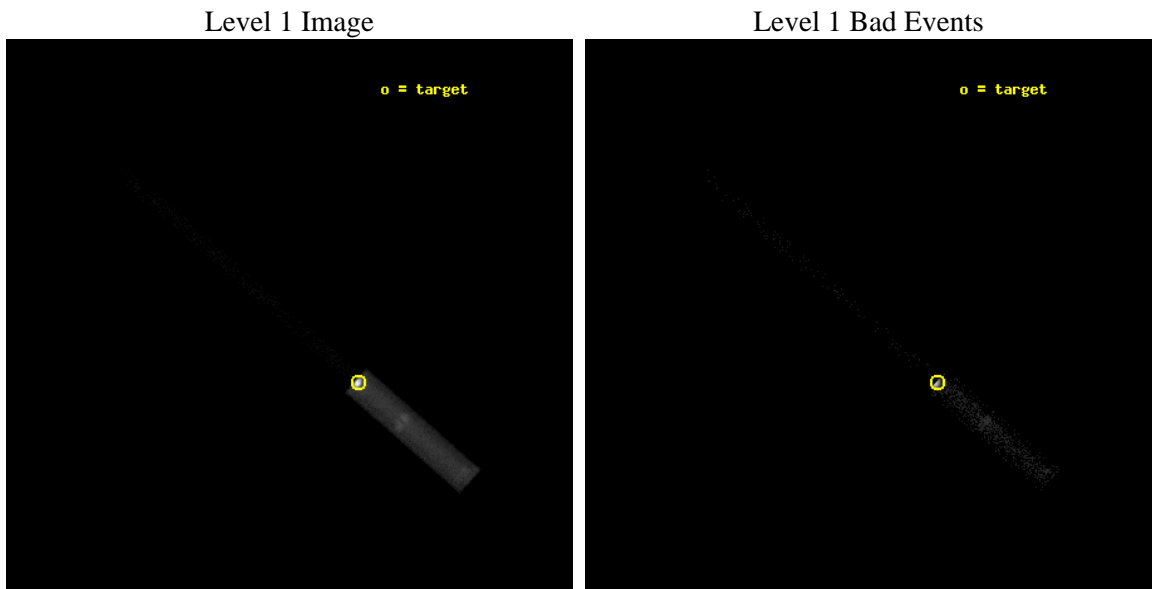
seq_num	290326	Sequence number
obs_id	5053	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.56265935747	Nominal RA [deg]
dec_nom	39.005574063569	Nominal Dec [deg]
roll_nom	41.042353845068	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2143.5313437283	[s]
livetime	764.39322987463	Ontime multiplied by DTCOR
l2events	327726	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2143.5313437283	[s]
caldbver	4.5.2	 	l1events	445684	Number of level 1 events
date	2012-11-11T14:30:40	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

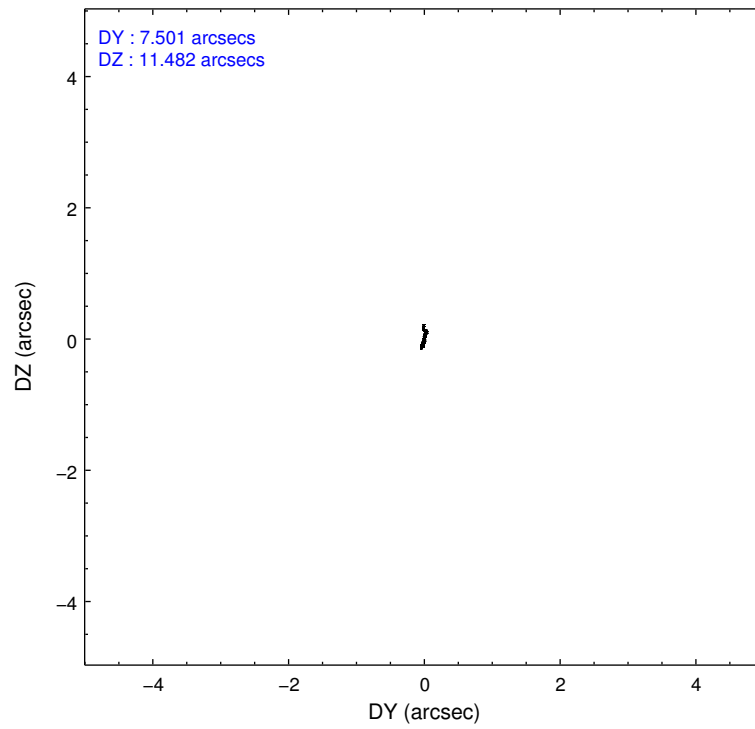
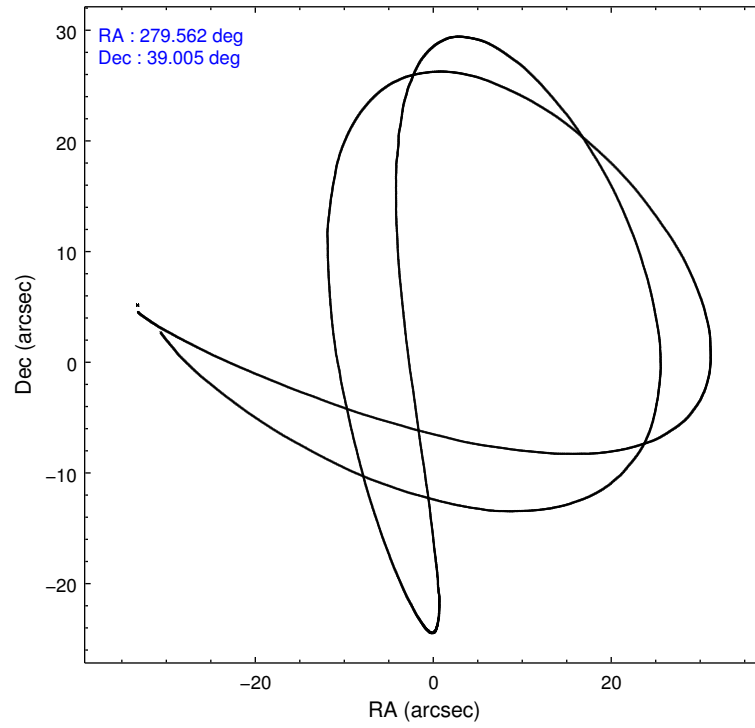
Level 1 Events

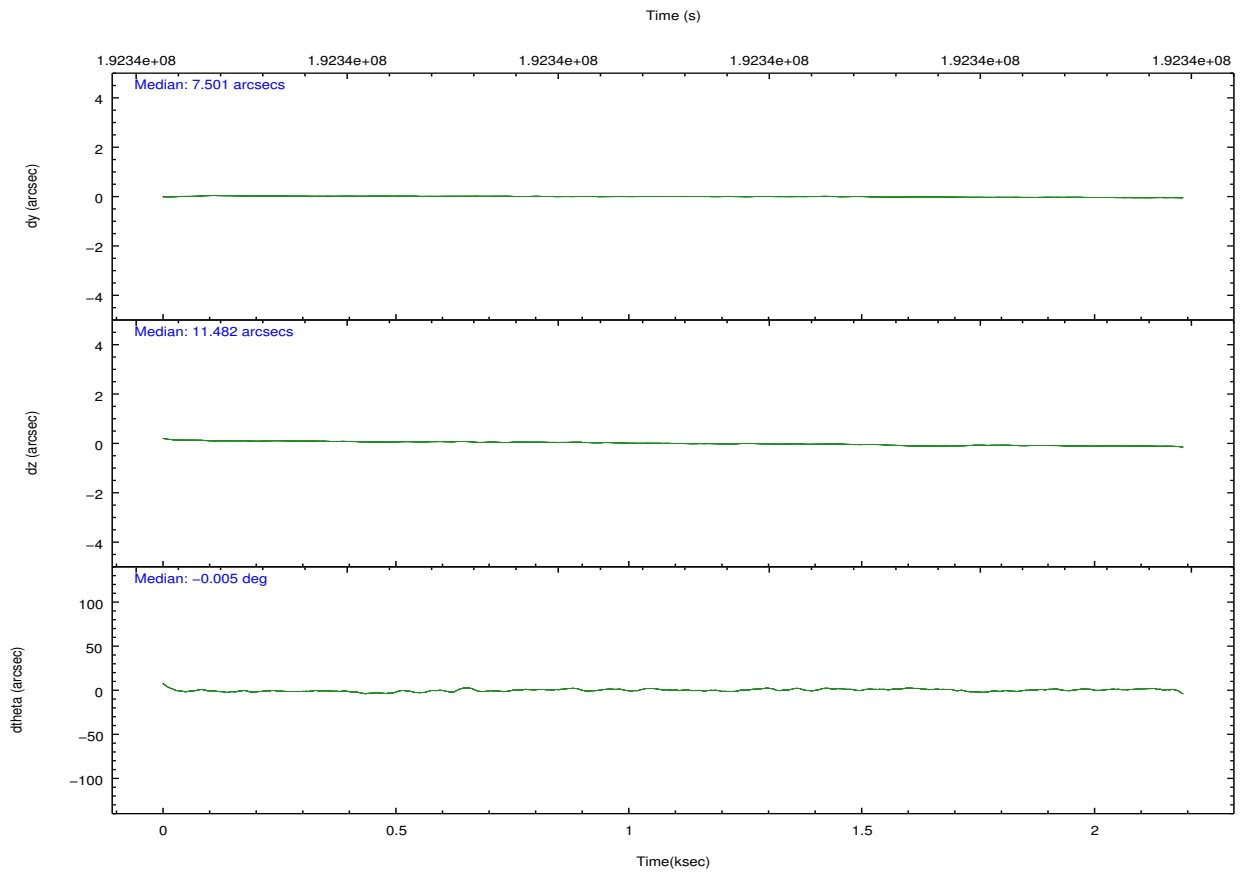
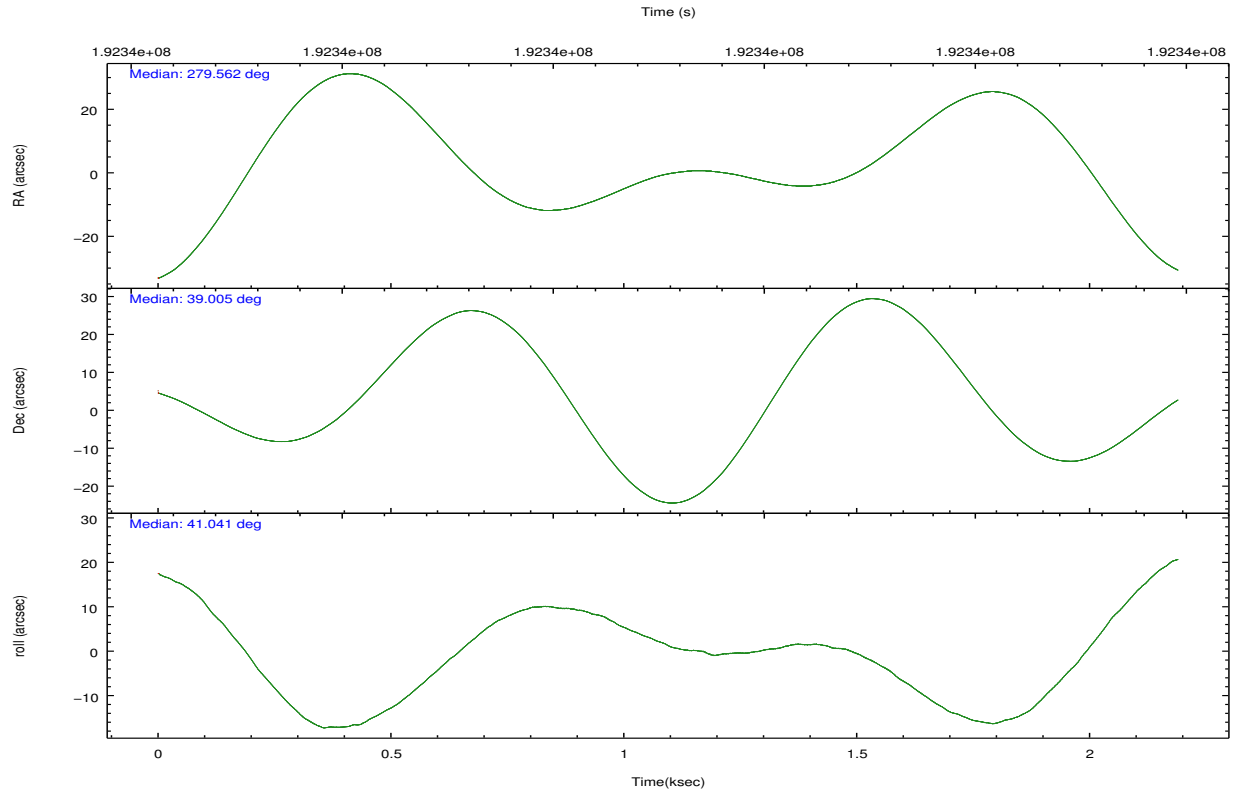
	segment 1	segment 2	segment 3
level 1 events	424389	20011	1284
rejected events	29166	19990	1284
rejected %	6%	99%	100%

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	279.552278	279.5626593574658			
[deg] Pointing Dec	38.978308	39.00557406356934			
[deg] Pointing Roll	40.981572	41.04235384506816			
[s] Window start time (MET)	191980864.184000	191980864.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[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)	192340366.184000	192339990.38041			
Observation start date	2004-02-05T03:51:42	2004-02-05T03:46:30			
[s] Observation end time (MET)	192342366.184000	192342500.60552			
Observation end date	2004-02-05T04:25:02	2004-02-05T04:28:20			

2.3 Aspect



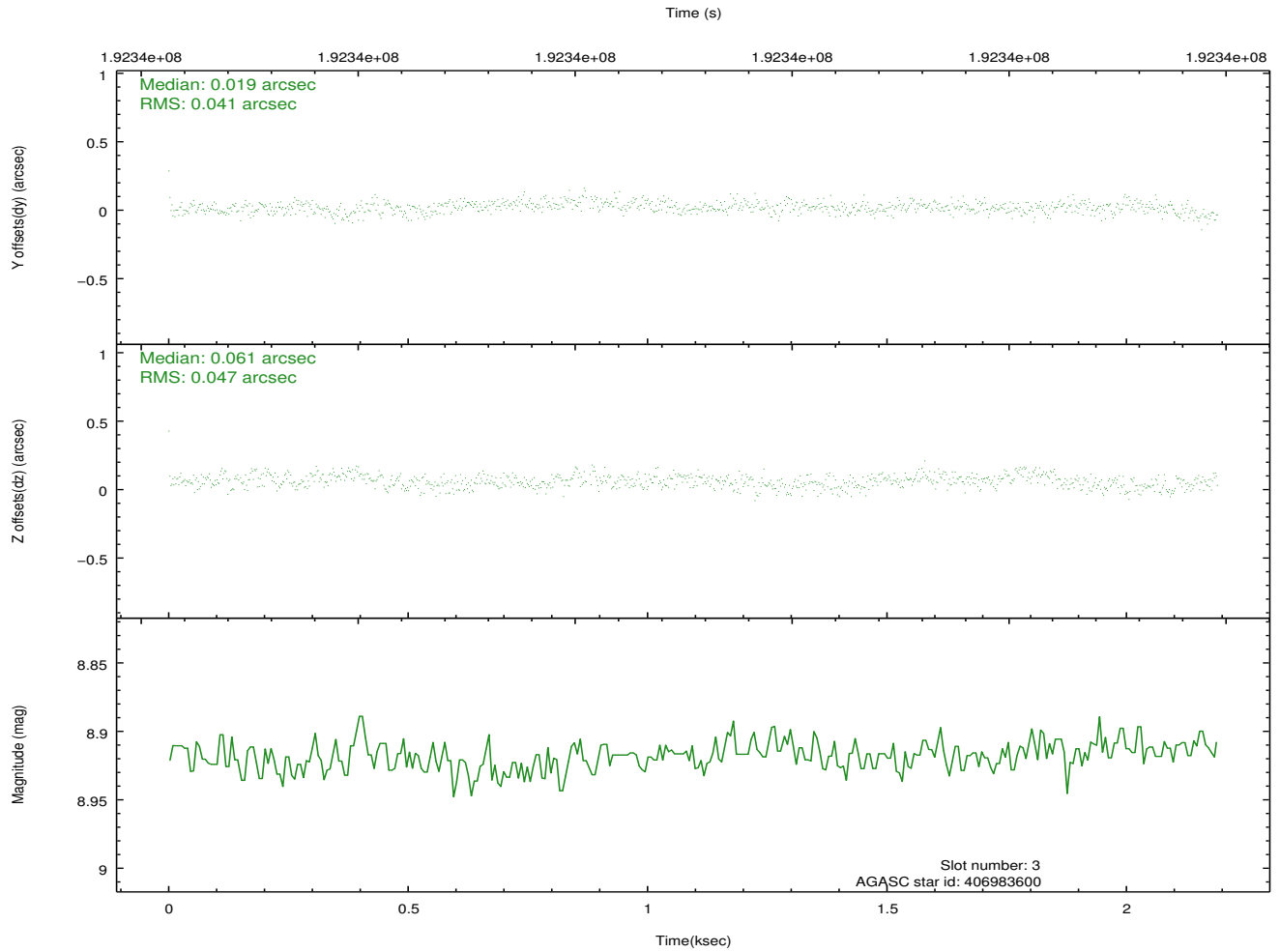
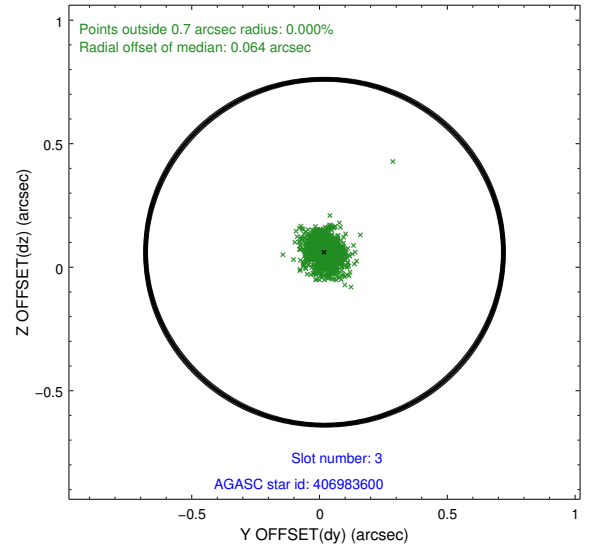
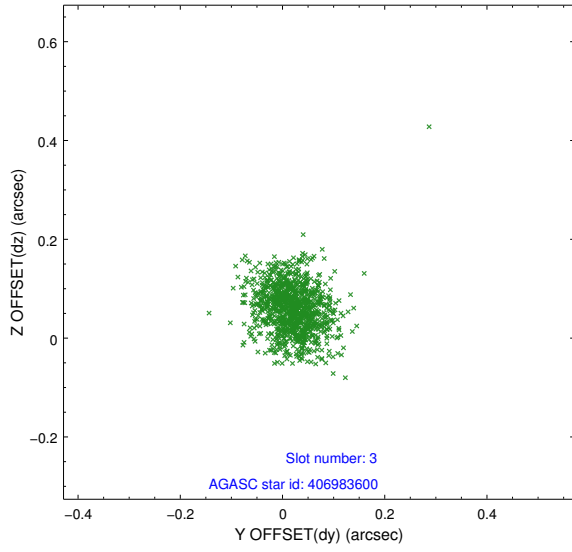


Slot Statistics

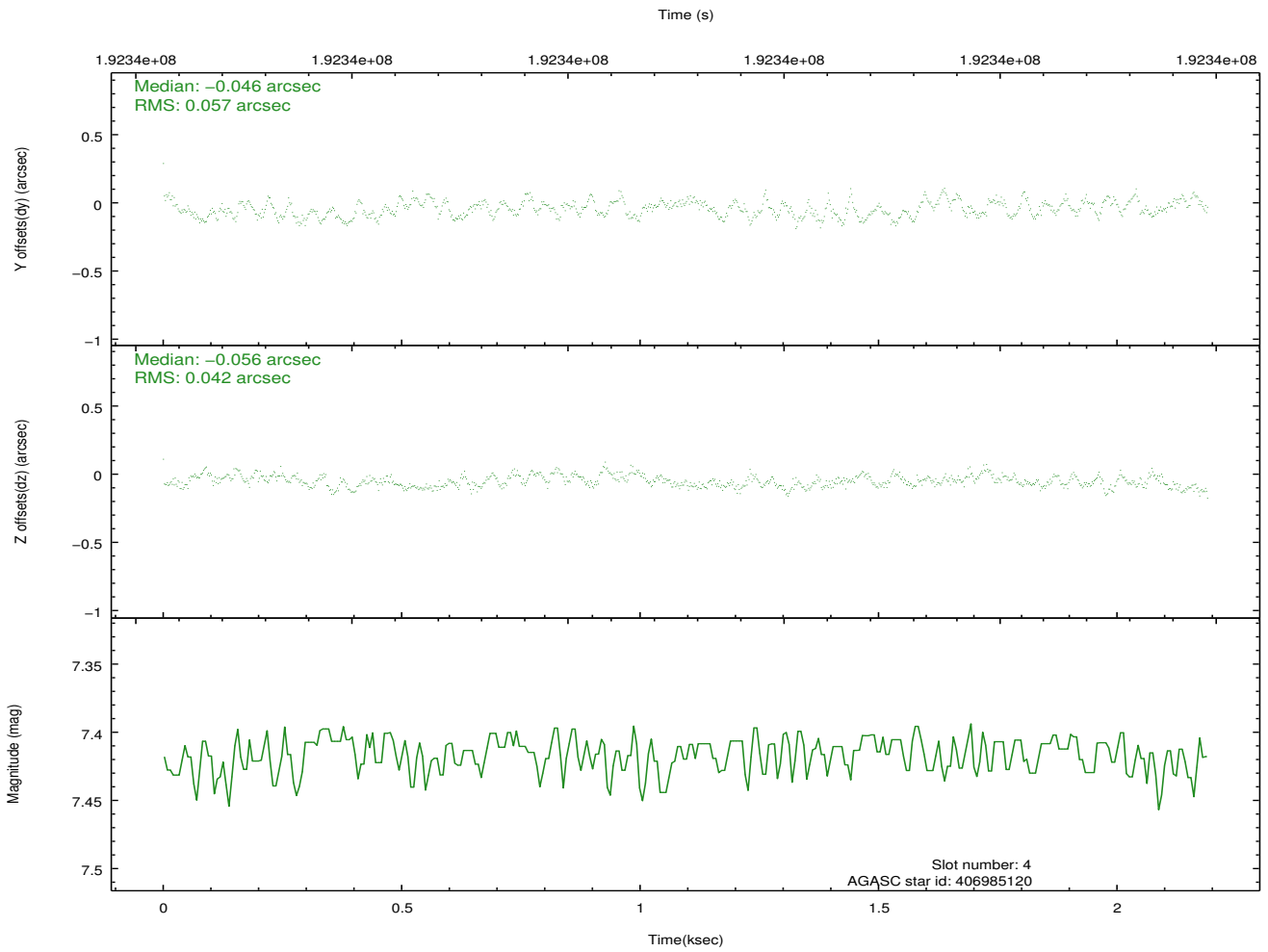
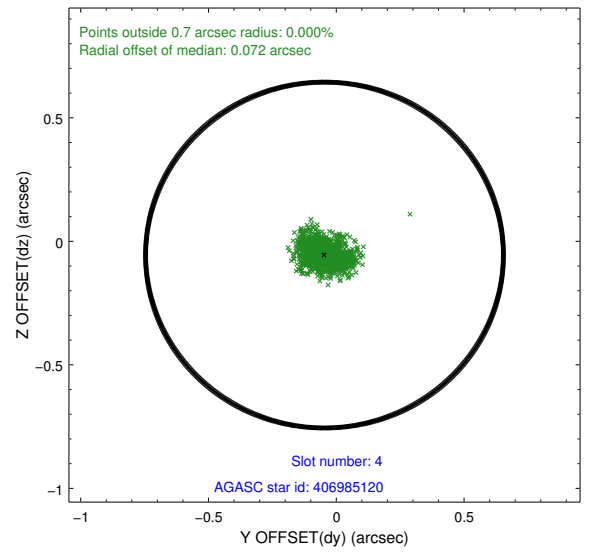
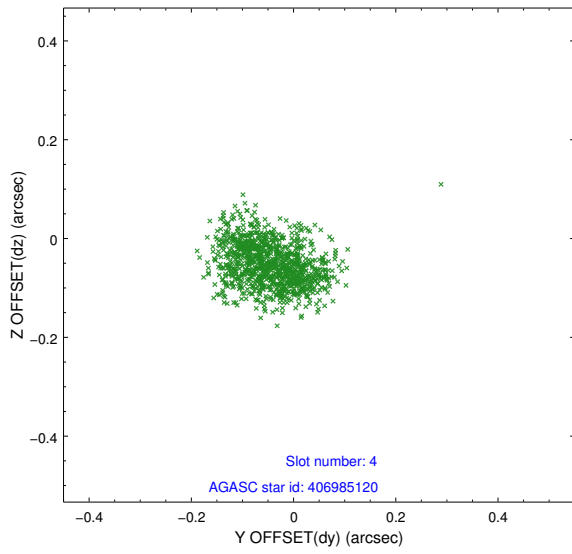
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	535	0.075	-0.149	0.007	0.012	0.000000	0.000000	-1161.69	-460.24
1	FID	HRC-S-3	7.04	535	0.100	-0.071	0.008	0.014	0.000000	0.000000	-1166.59	568.51
2	FID	HRC-S-4	6.99	535	0.213	-0.077	0.005	0.010	0.000000	0.000000	1234.49	573.07
3	GUIDE	406983600	8.92	1064	0.019	0.061	0.065	0.107	279.940957	39.020708	922.54	-595.35
4	GUIDE	406985120	7.42	1069	-0.046	-0.056	0.076	0.121	278.839732	38.894839	-1698.15	1088.72
5	GUIDE	406989616	8.23	1068	0.015	0.069	0.061	0.100	279.202881	38.520843	-1823.13	-594.44
6	GUIDE	407521232	8.64	1068	0.045	-0.053	0.066	0.104	279.628883	39.431715	1229.82	1093.05
7	GUIDE	407521584	8.94	1068	-0.033	-0.021	0.075	0.120	279.676096	39.795417	2189.07	1998.35

2.4 Star Slots

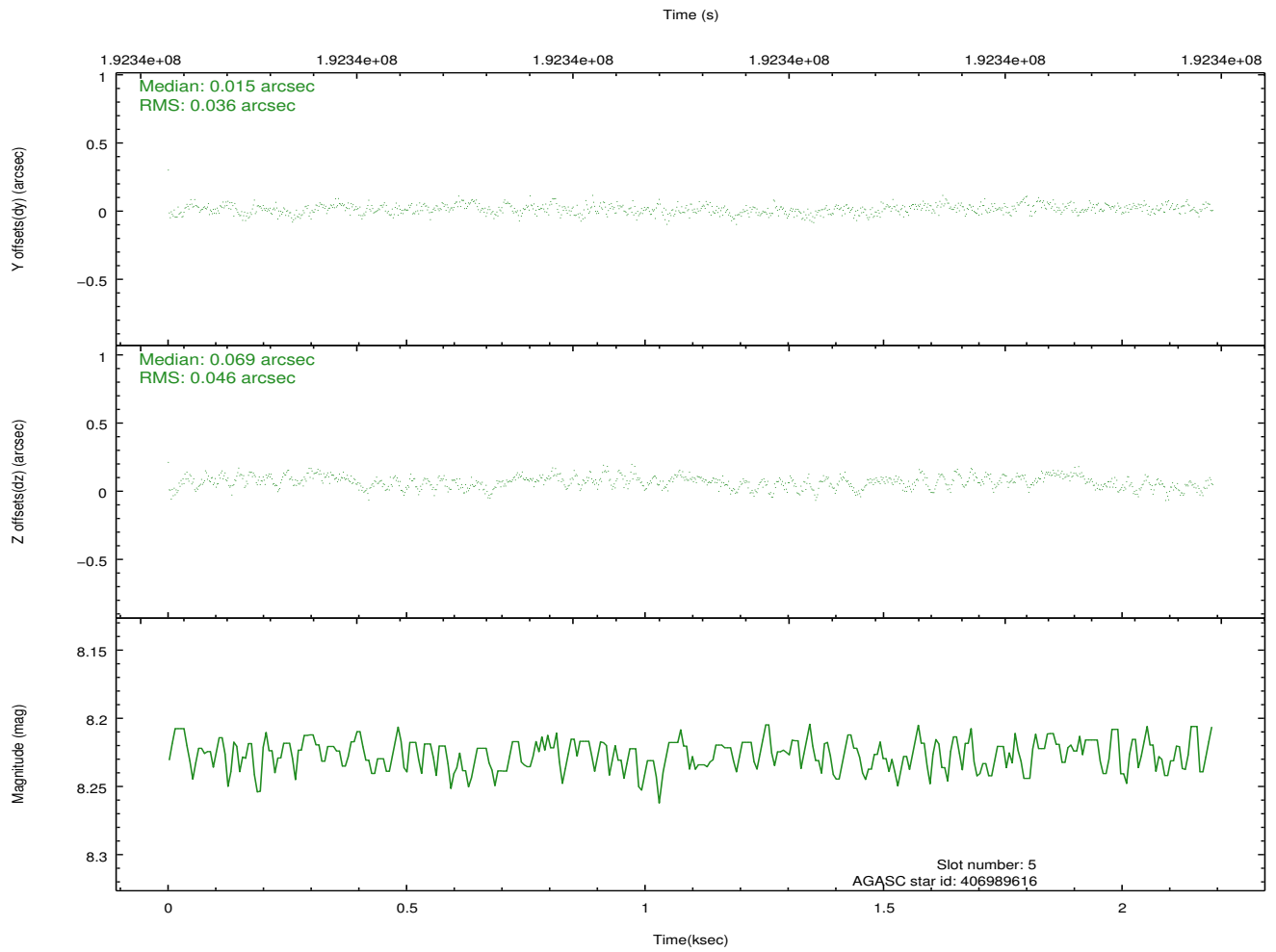
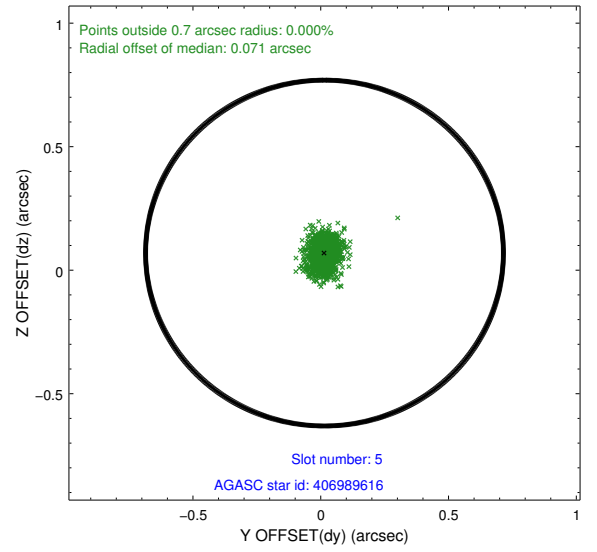
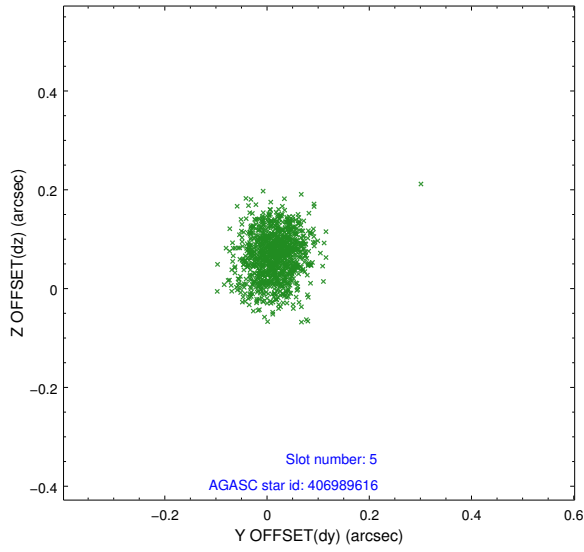
2.4.1 Slot 3



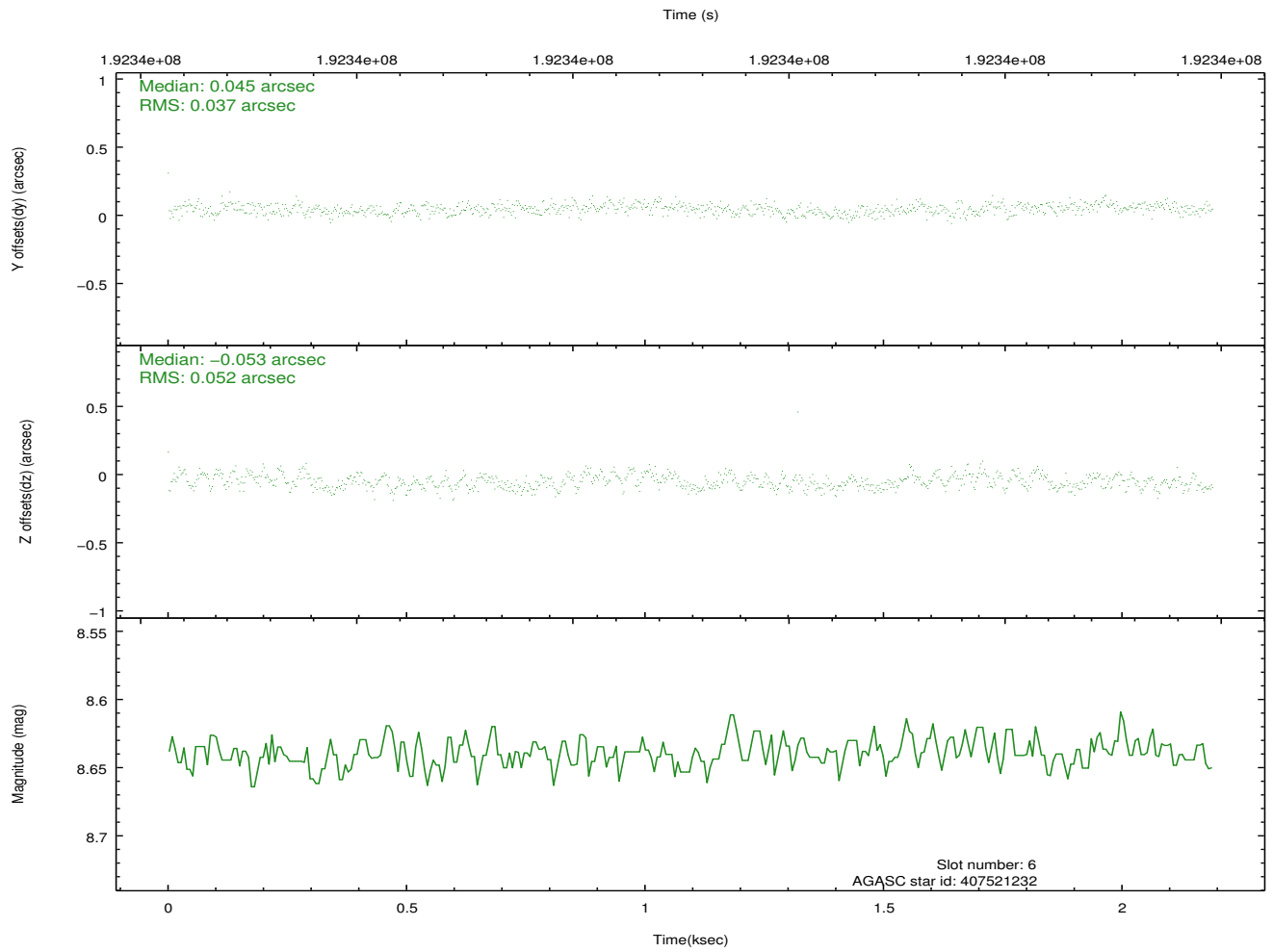
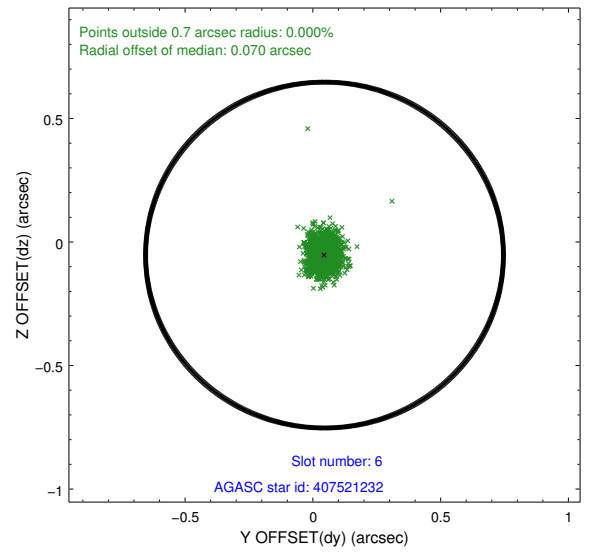
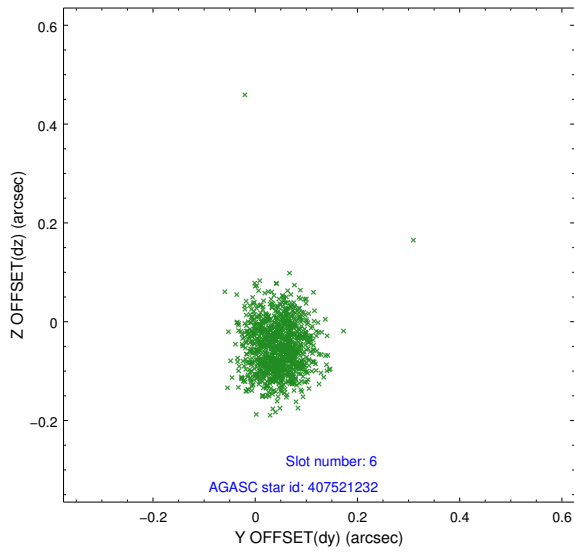
2.4.2 Slot 4



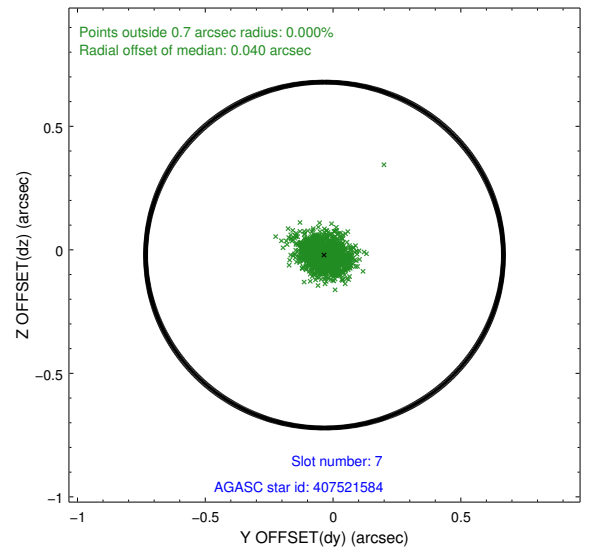
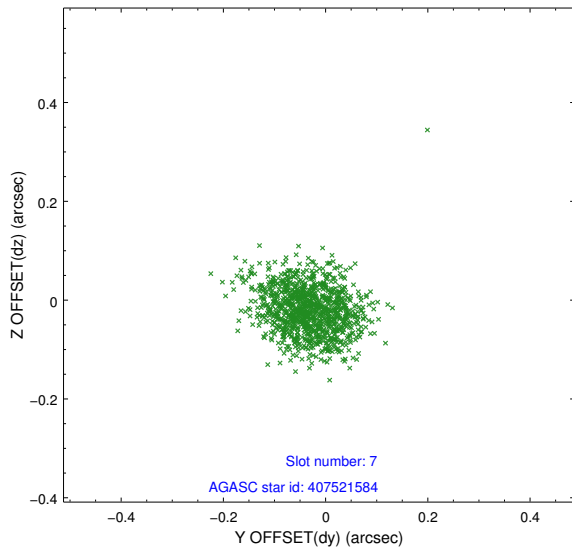
2.4.3 Slot 5



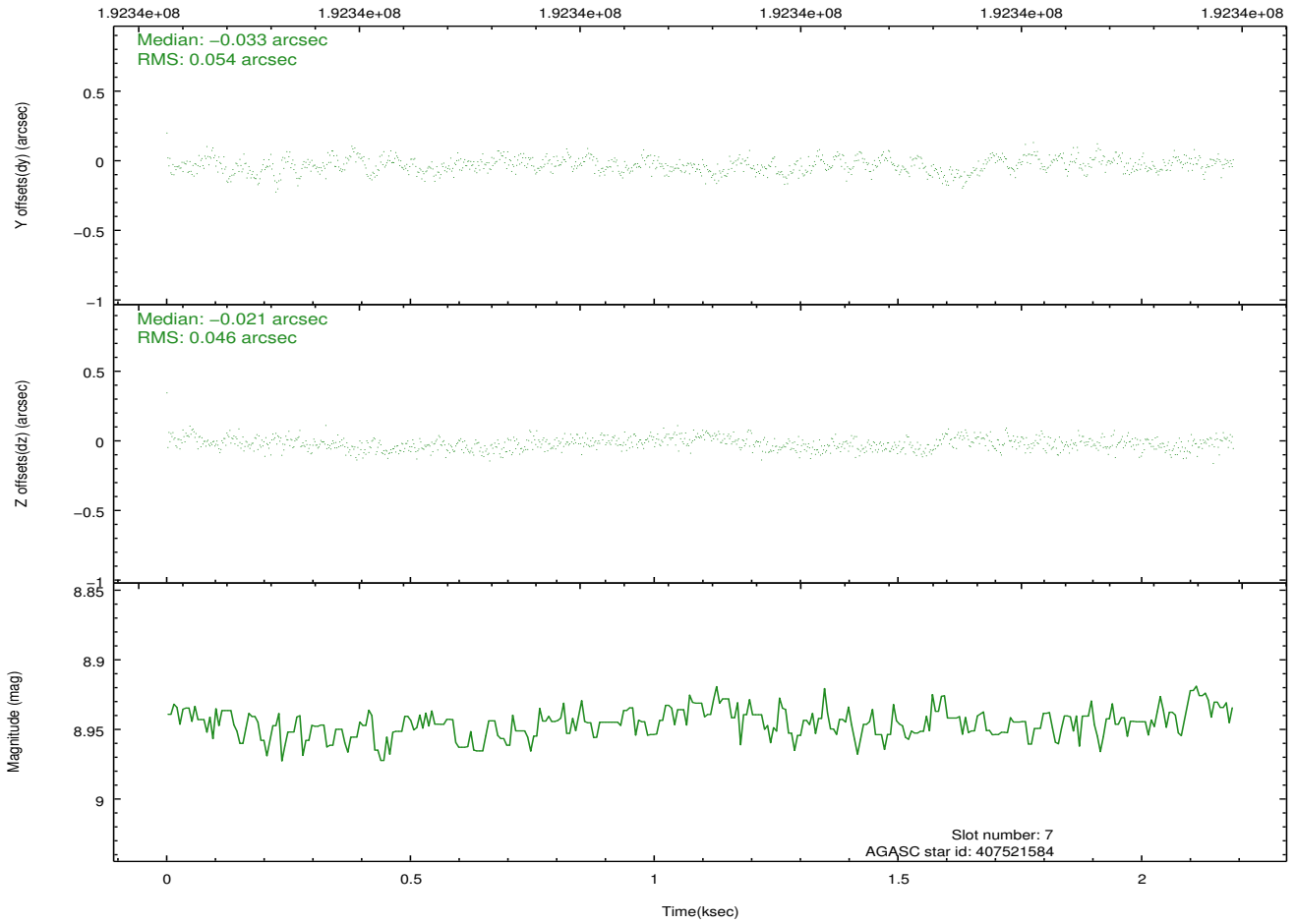
2.4.4 Slot 6



2.4.5 Slot 7

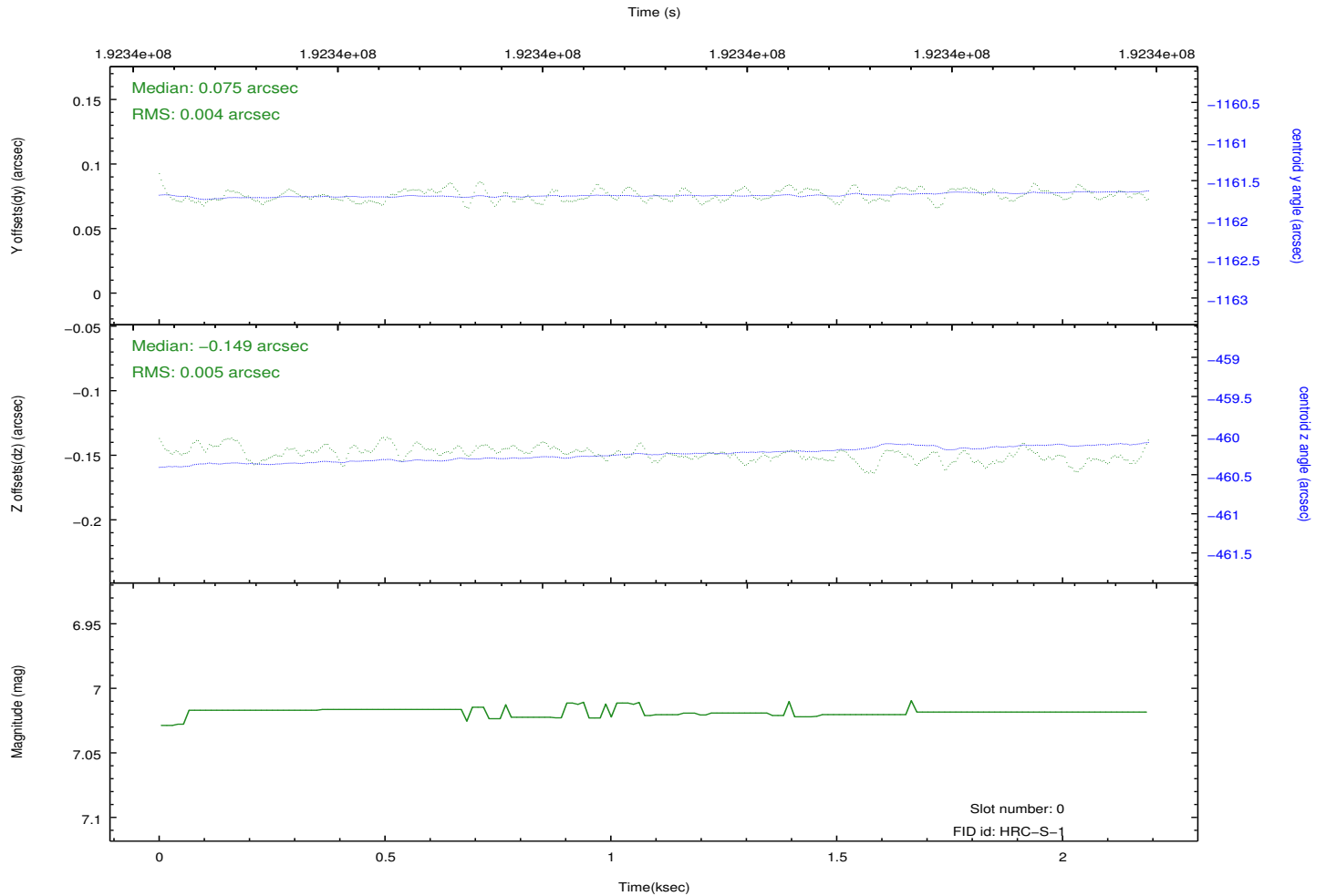
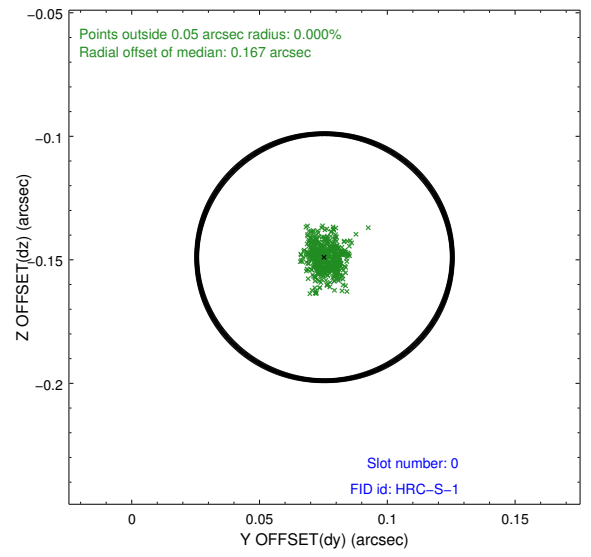
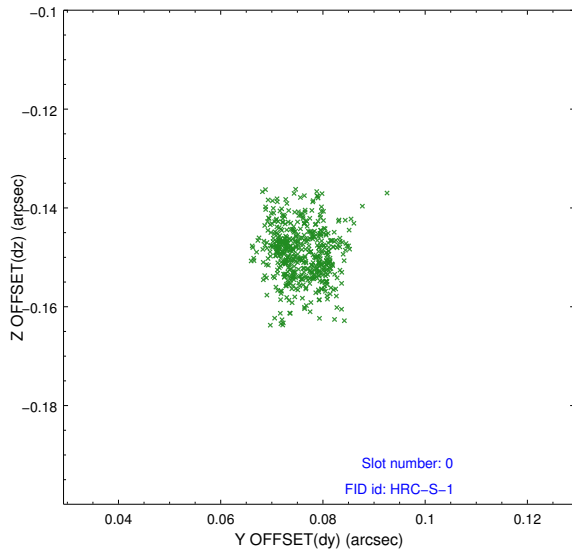


Time (s)

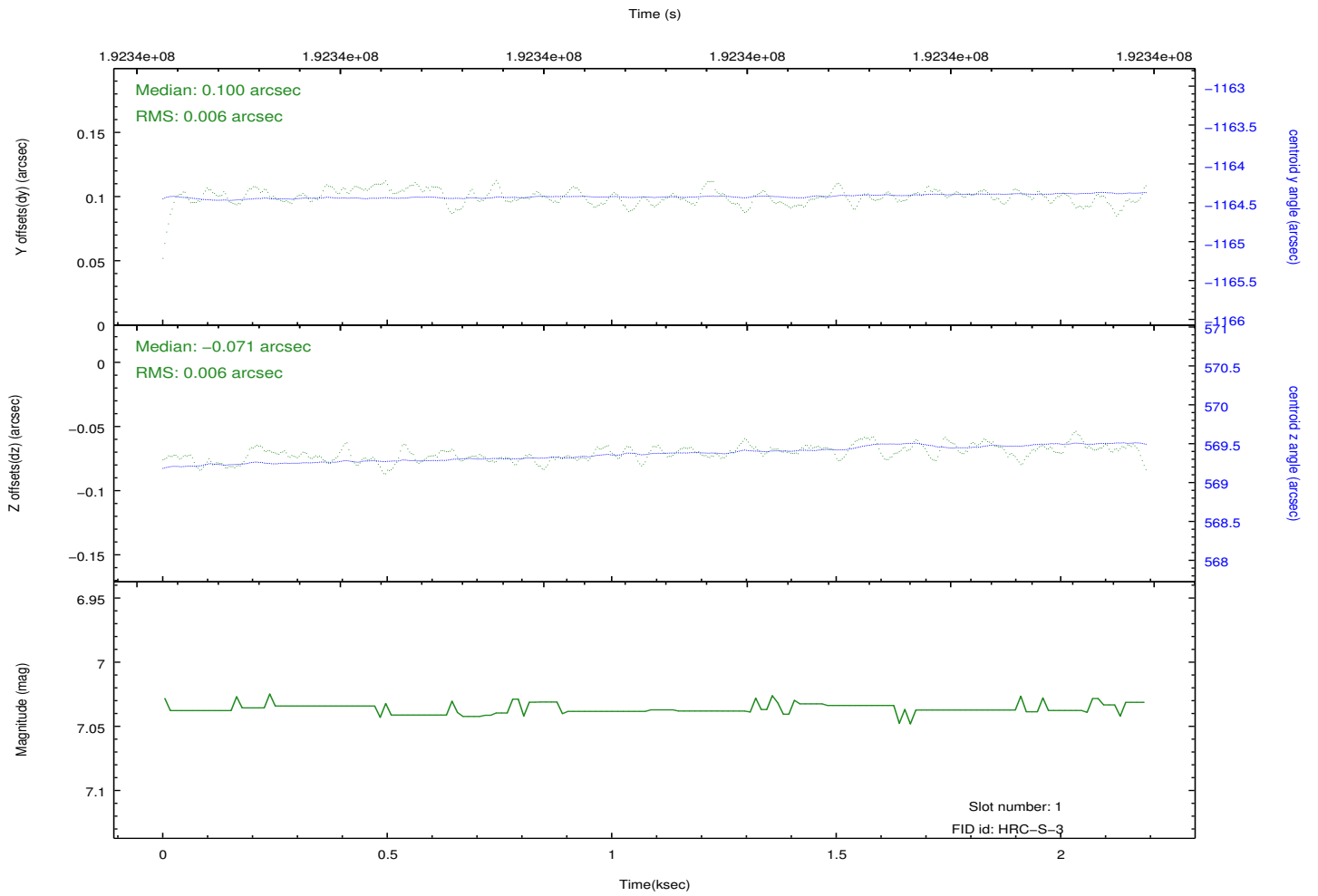
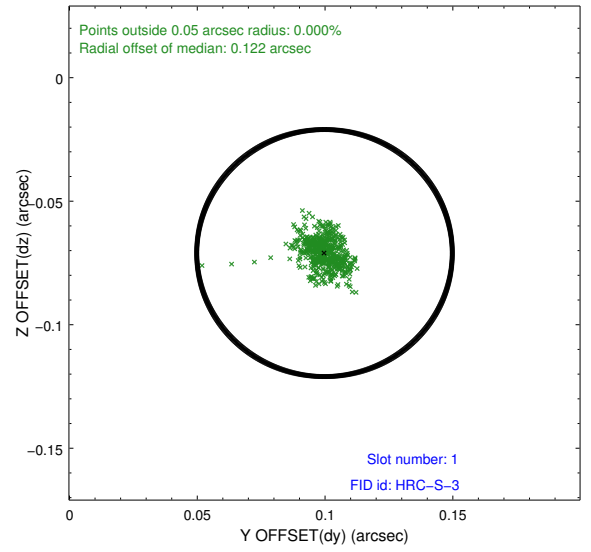
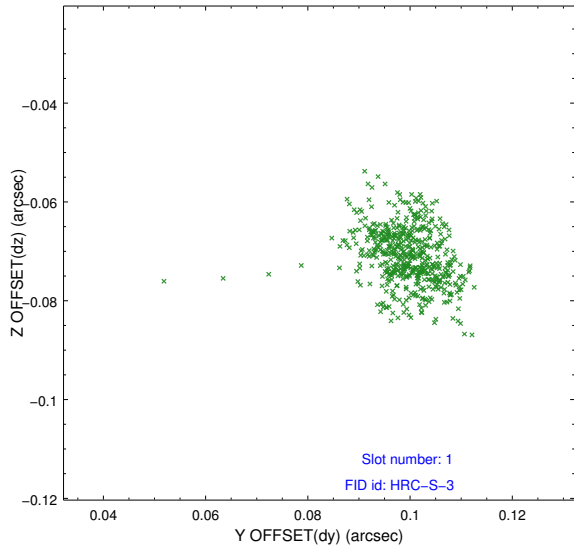


2.5 FID Slots

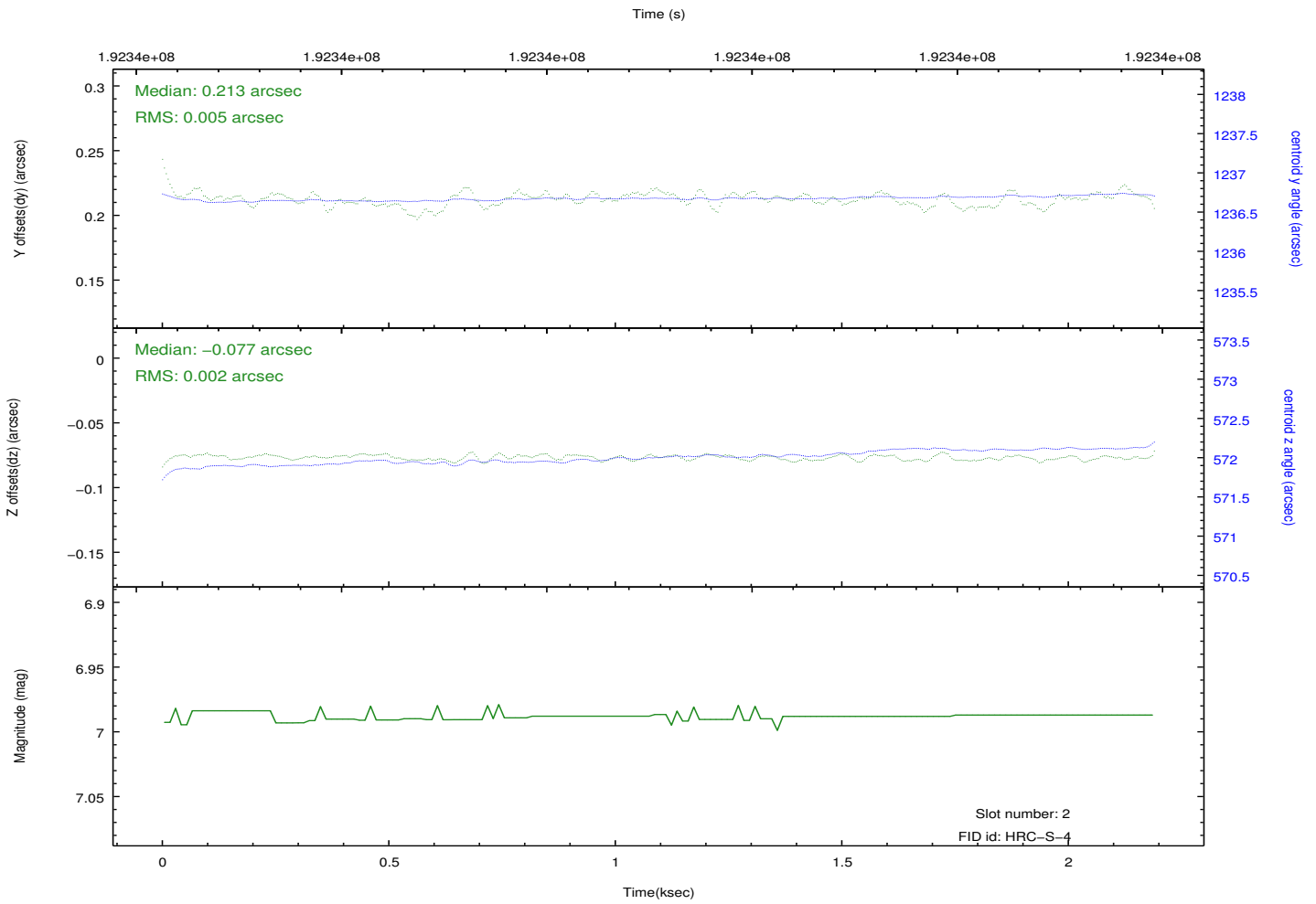
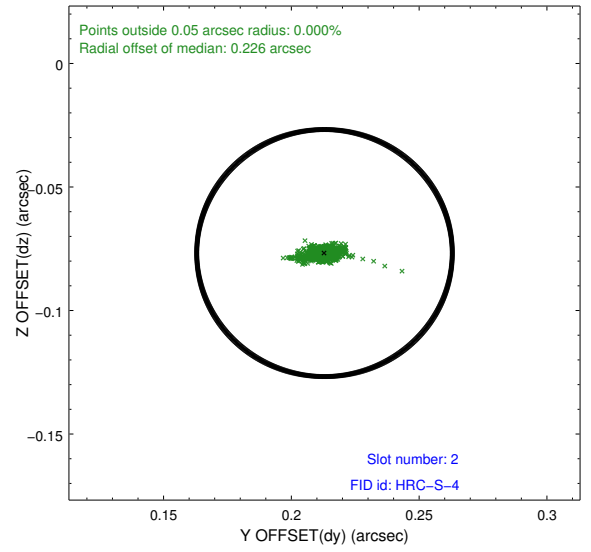
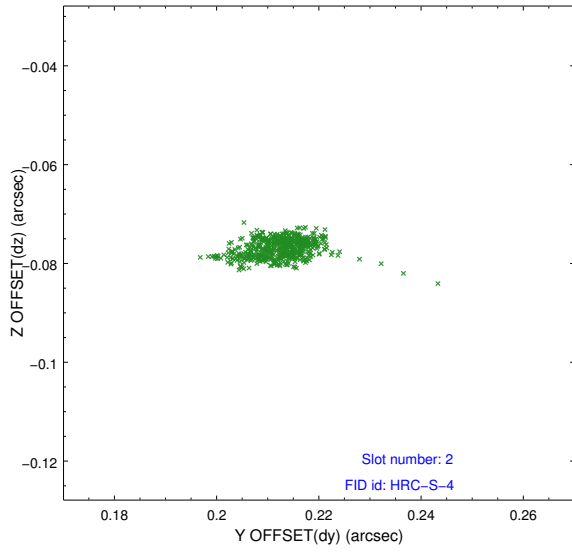
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.143

A.2 Comments

Window constraint met.