

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5344 - L2 Version 3
Chandra X-Ray Center

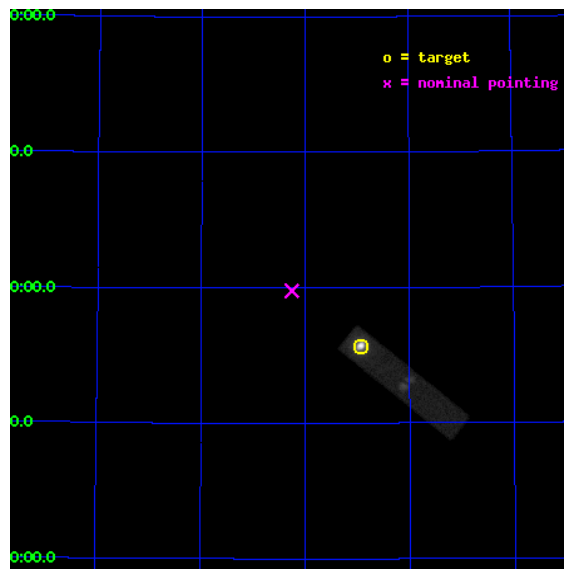
L2 Processing Date : Dec 6 2012

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1 Front

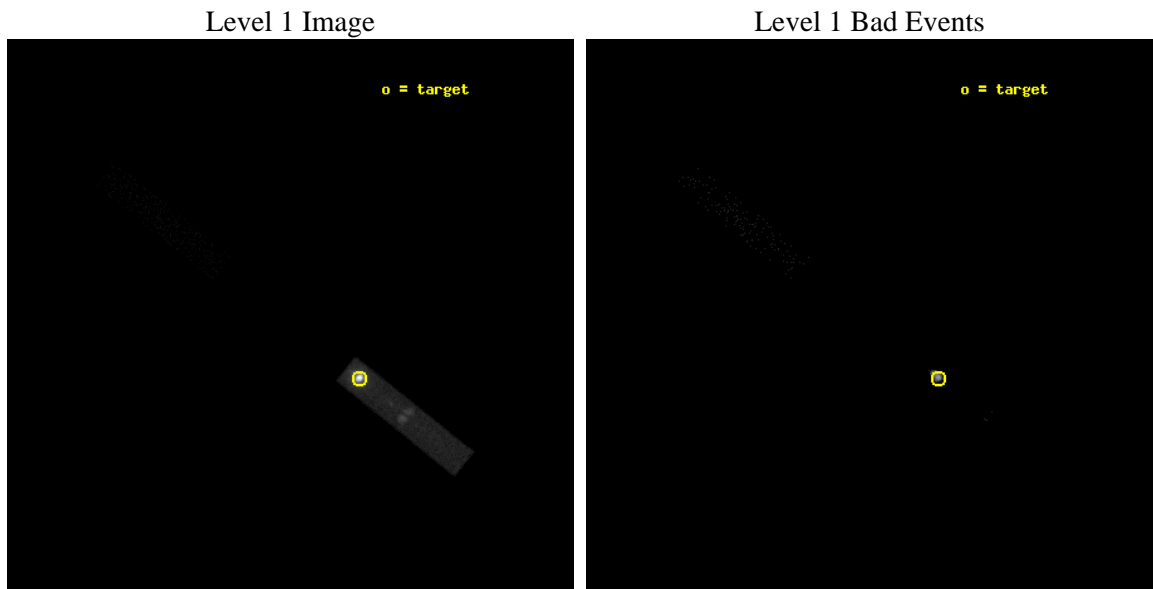
seq_num	290441	Sequence number
obs_id	5344	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.56452485482	Nominal RA [deg]
dec_nom	38.989192855462	Nominal Dec [deg]
roll_nom	218.59502992685	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3283.3313959837	[s]
livetime	1159.1636662601	Ontime multiplied by DTCOR
l2events	589127	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	3283.3313959837	[s]
caldbver	4.5.4	 	l1events	650138	Number of level 1 events
date	2012-12-06T23:03:36	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

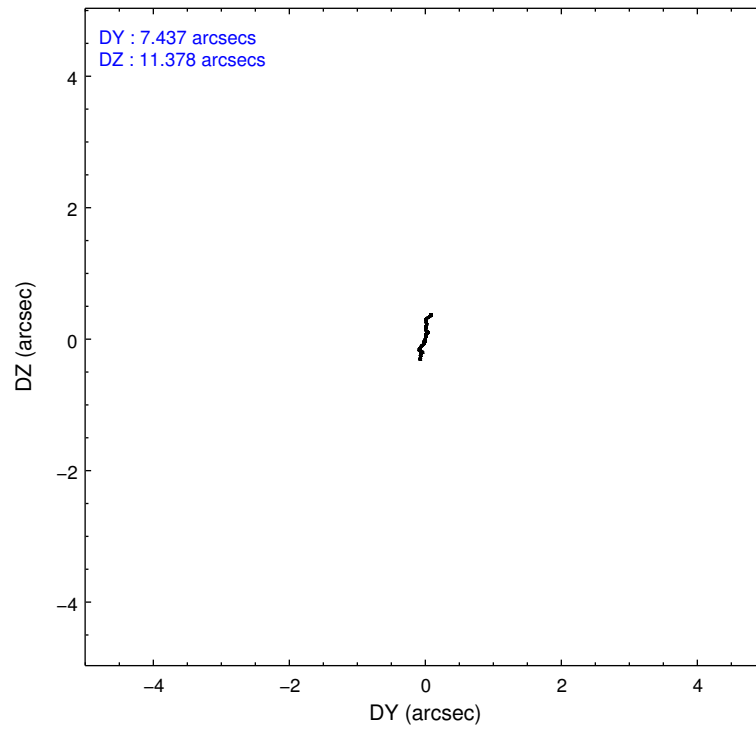
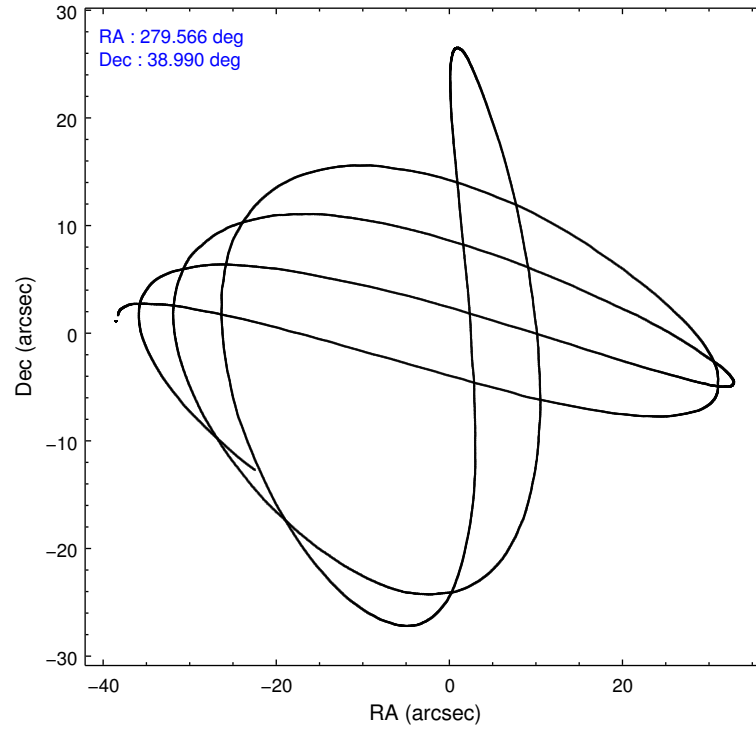
Level 1 Events

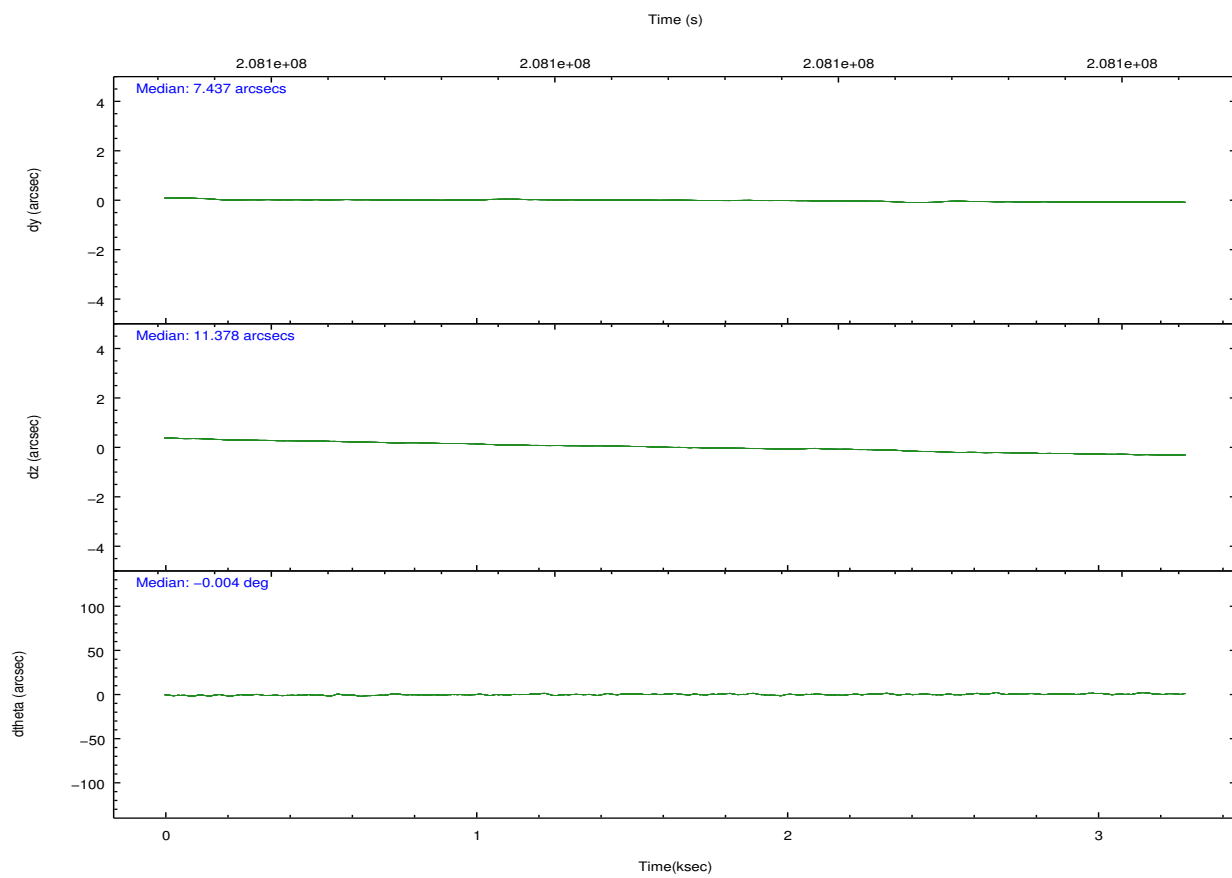
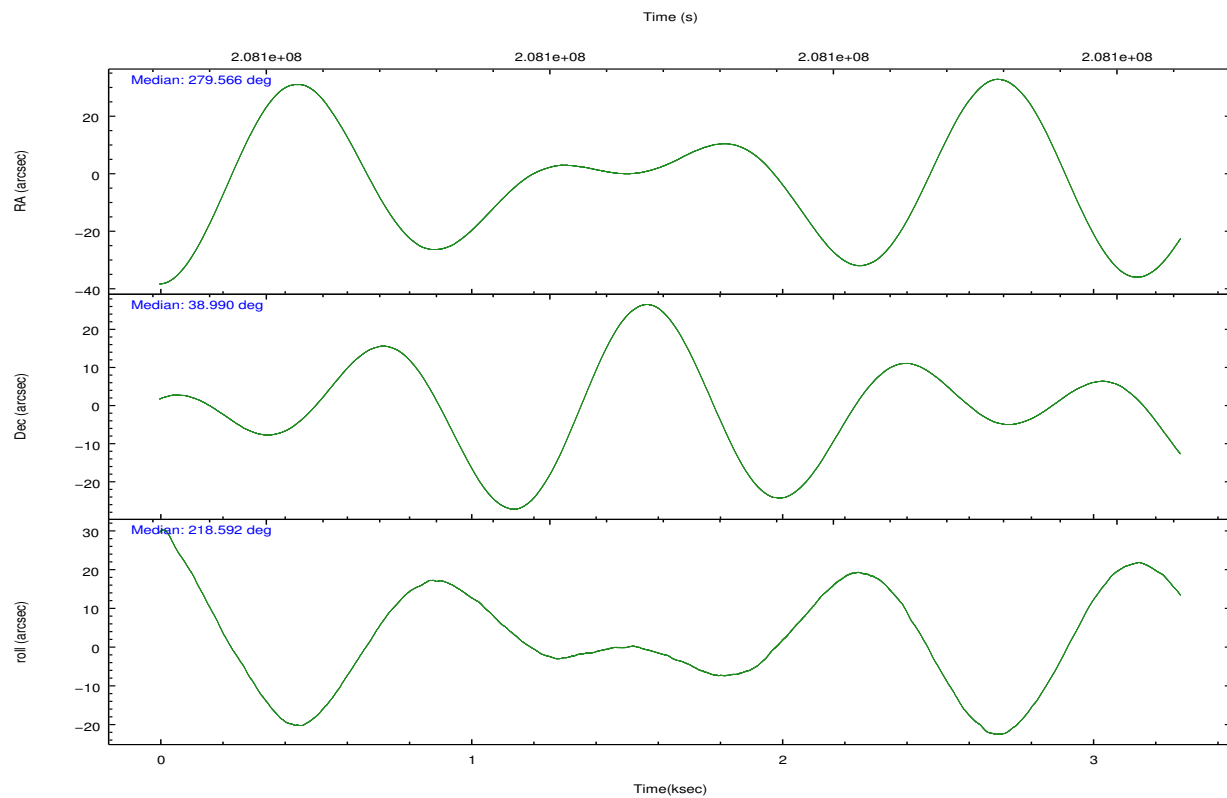
	segment 1	segment 2	segment 3
level 1 events	3668	225	646245
rejected events	3668	201	41049
rejected %	100%	89%	6%

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	279.576450	279.5645248548188			
[deg] Pointing Dec	39.016178	38.9891928554617			
[deg] Pointing Roll	218.520178	218.5950299268462			
[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)	208096963.184000	208096587.30025			
Observation start date	2004-08-05T12:41:39	2004-08-05T12:36:27			
[s] Observation end time (MET)	208100063.184000	208100197.35041			
Observation end date	2004-08-05T13:33:19	2004-08-05T13:36:37			

2.3 Aspect



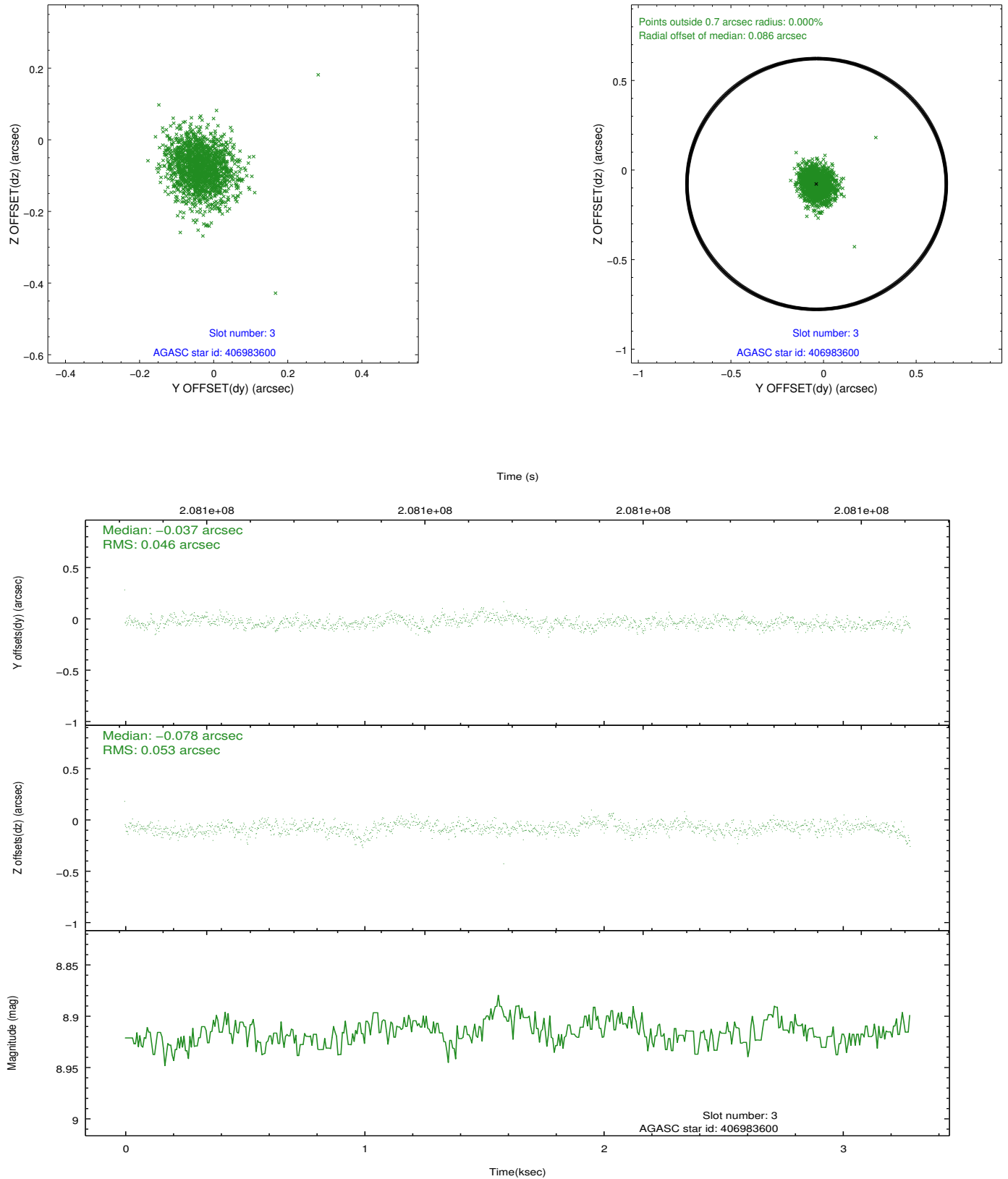


Slot Statistics

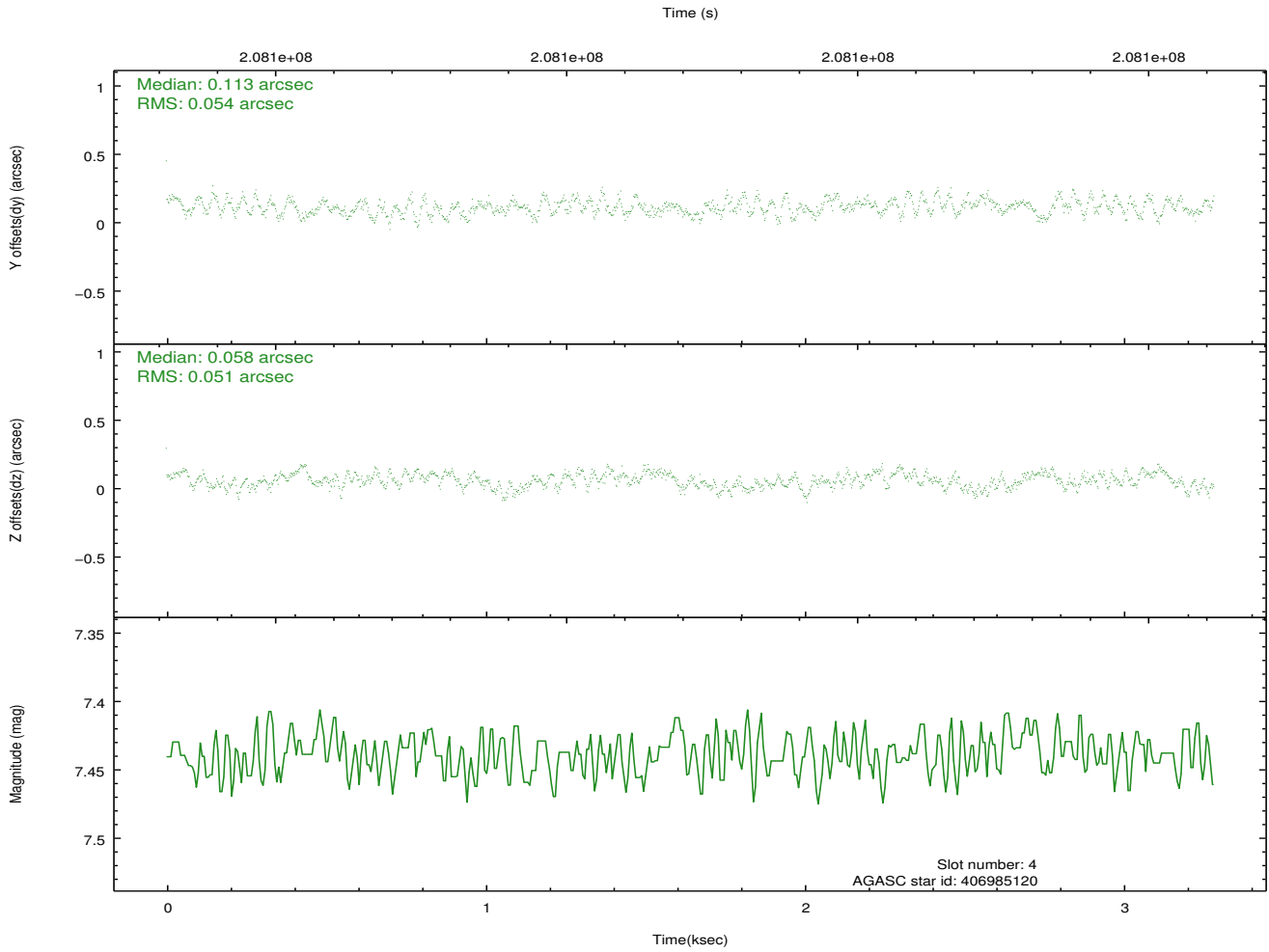
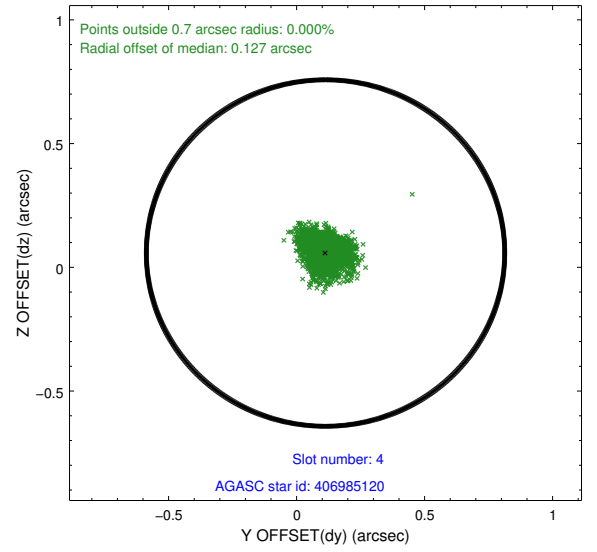
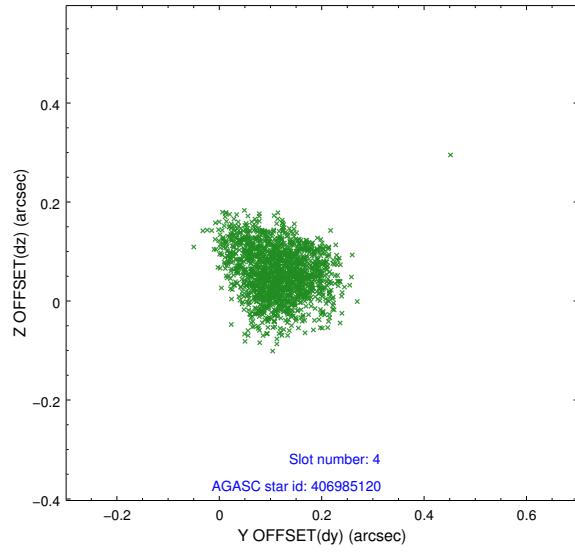
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	800	0.123	-0.135	0.015	0.022	0.000000	0.000000	-1161.58	-460.10
1	FID	HRC-S-2	7.01	799	0.167	-0.113	0.012	0.022	0.000000	0.000000	1236.69	-453.27
2	FID	HRC-S-3	7.02	799	0.101	-0.054	0.019	0.027	0.000000	0.000000	-1162.78	568.94
3	GUIDE	406983600	8.92	1599	-0.037	-0.078	0.073	0.121	279.940957	39.020708	-808.94	622.05
4	GUIDE	406985120	7.44	1603	0.113	0.058	0.080	0.124	278.839732	38.894839	1881.75	-948.82
5	GUIDE	406989616	8.23	1602	0.000	-0.015	0.061	0.096	279.202881	38.520843	1933.87	738.68
6	GUIDE	407521232	8.64	1599	0.023	-0.031	0.076	0.121	279.628883	39.431715	-1044.21	-1078.26
7	GUIDE	407521584	8.94	1600	-0.101	0.063	0.082	0.129	279.676096	39.795417	-1963.23	-2022.93

2.4 Star Slots

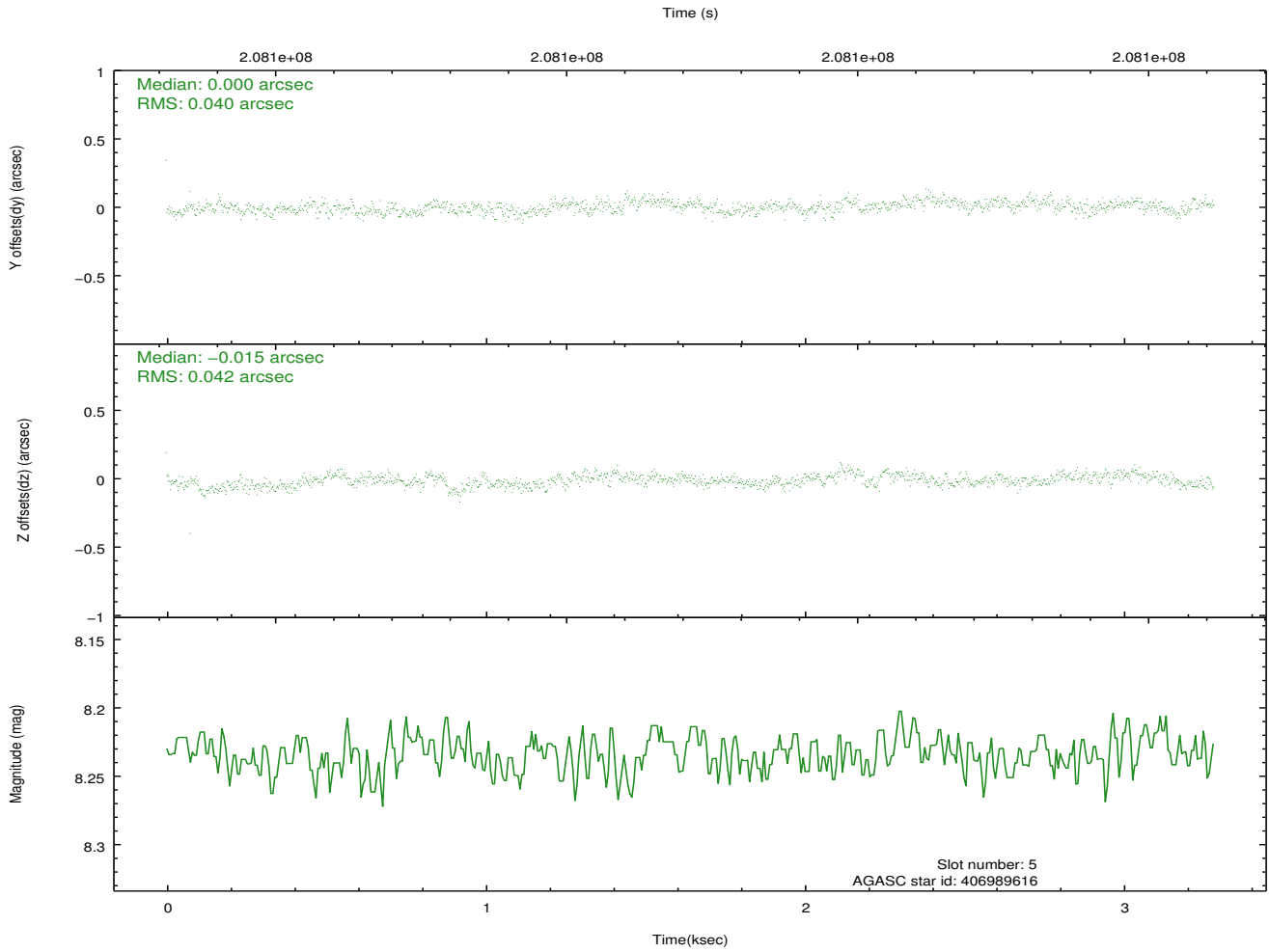
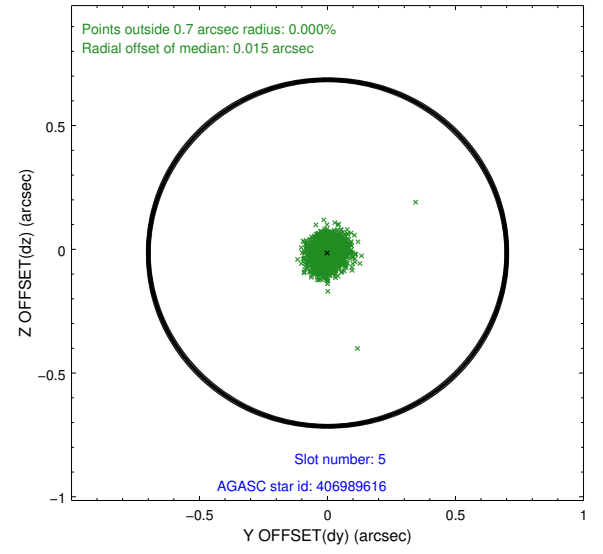
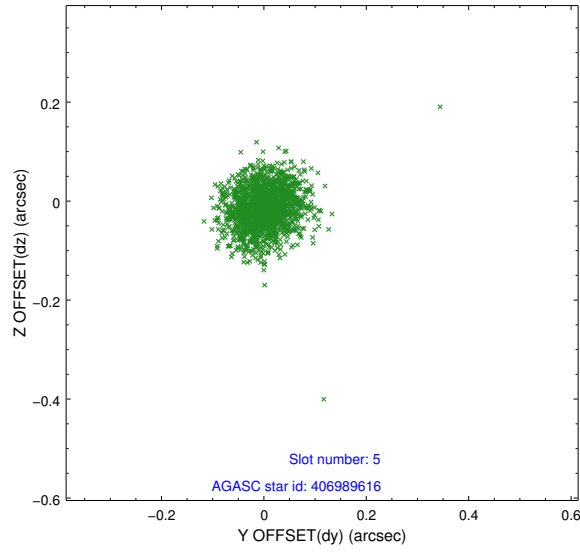
2.4.1 Slot 3



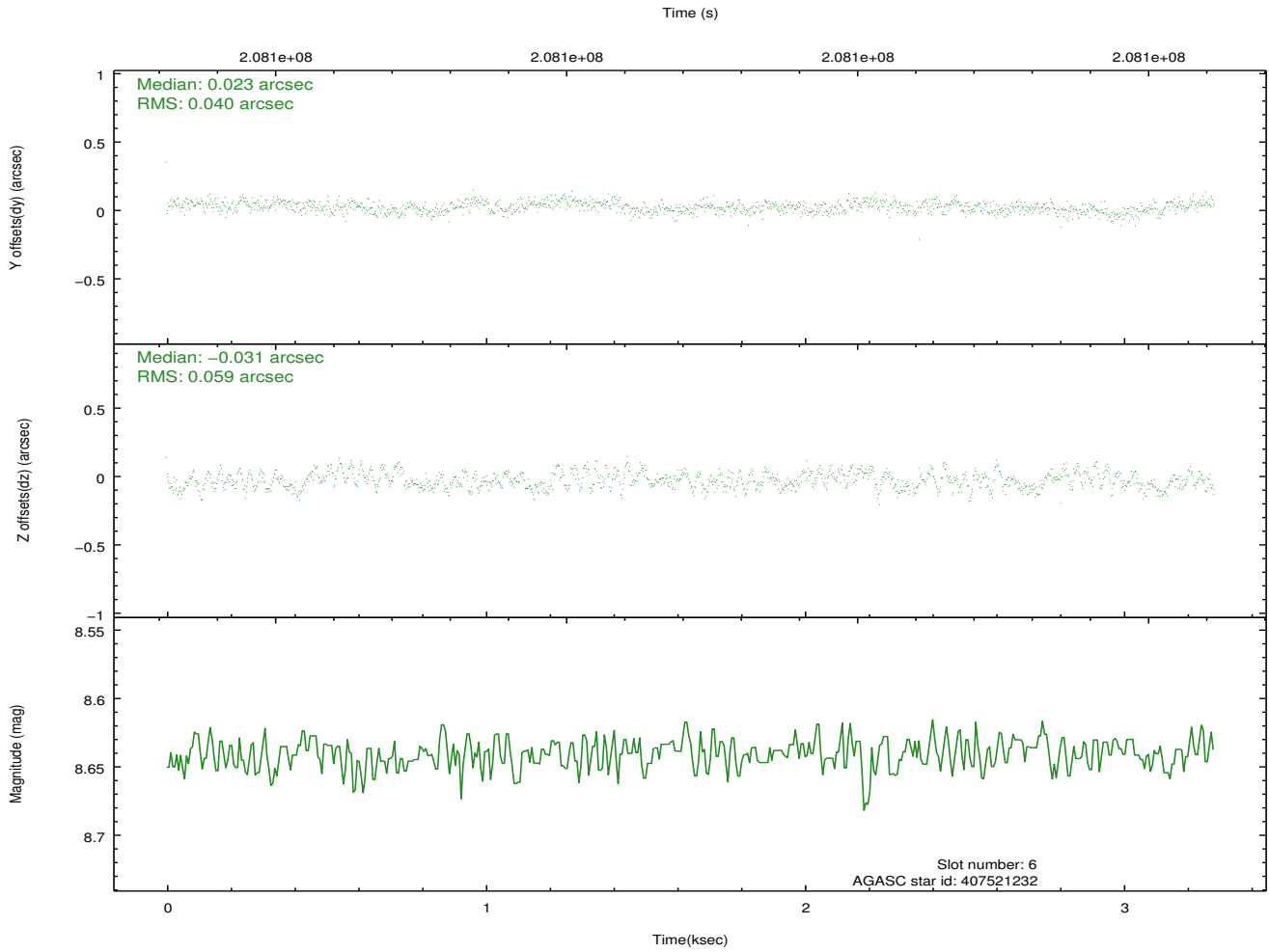
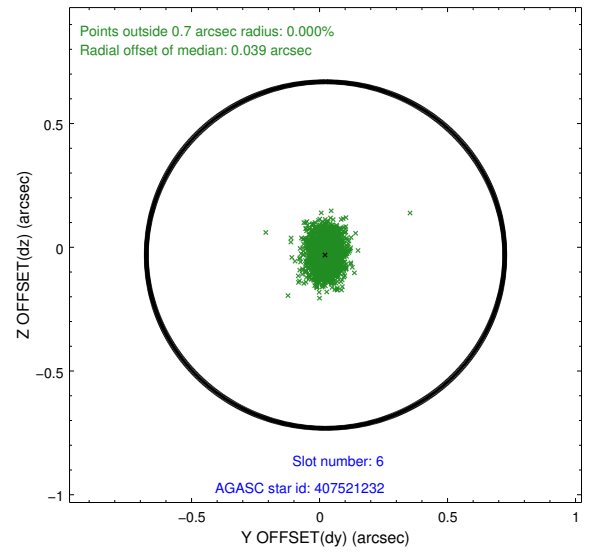
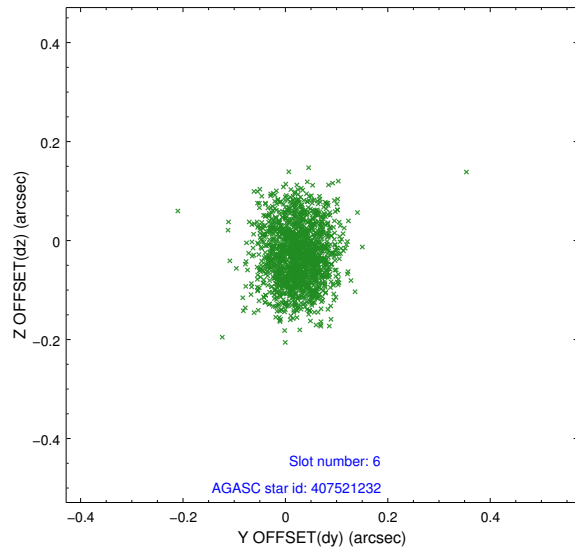
2.4.2 Slot 4



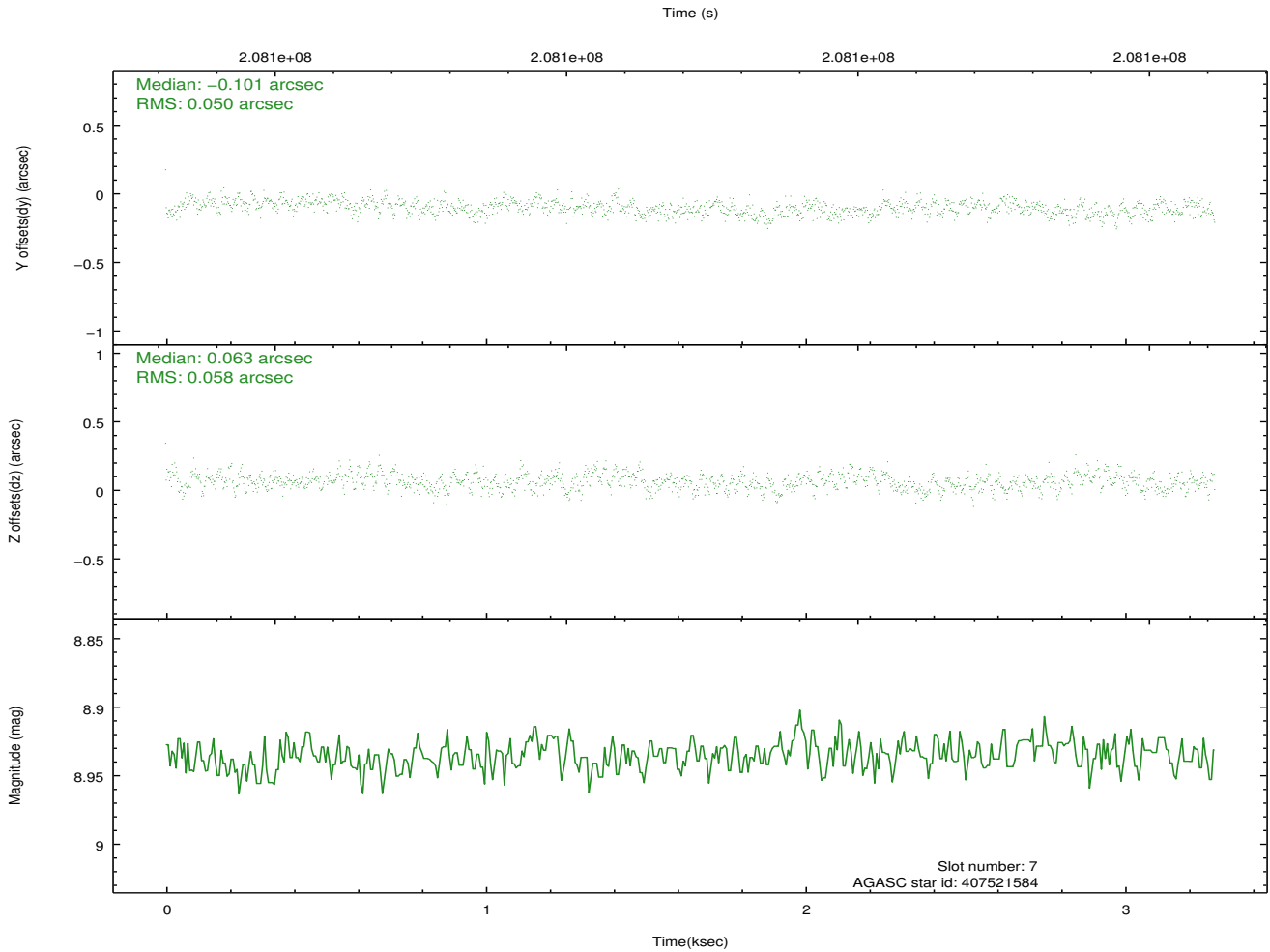
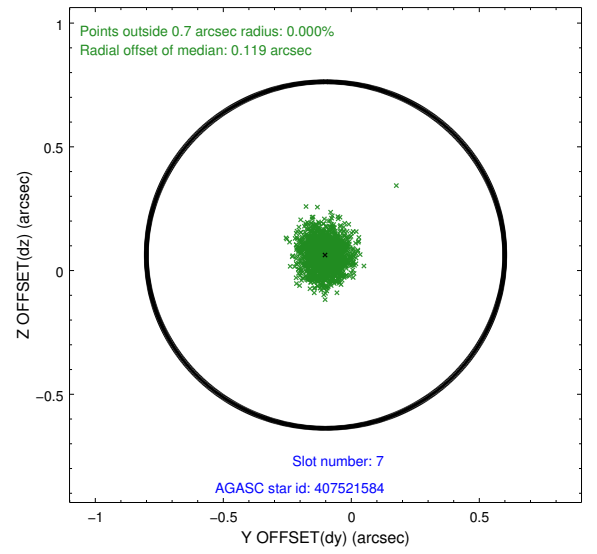
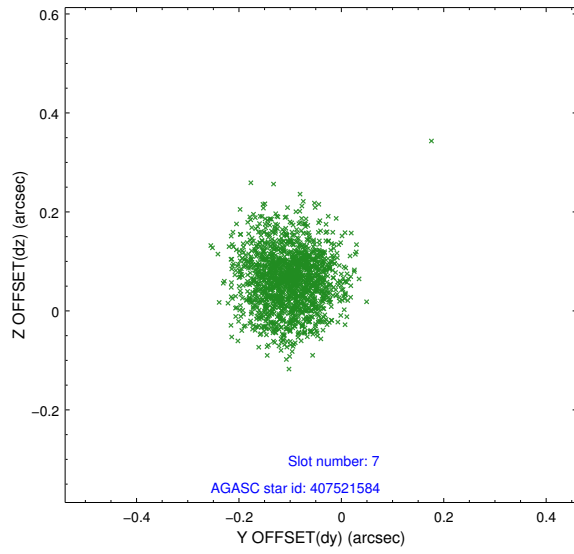
2.4.3 Slot 5



2.4.4 Slot 6

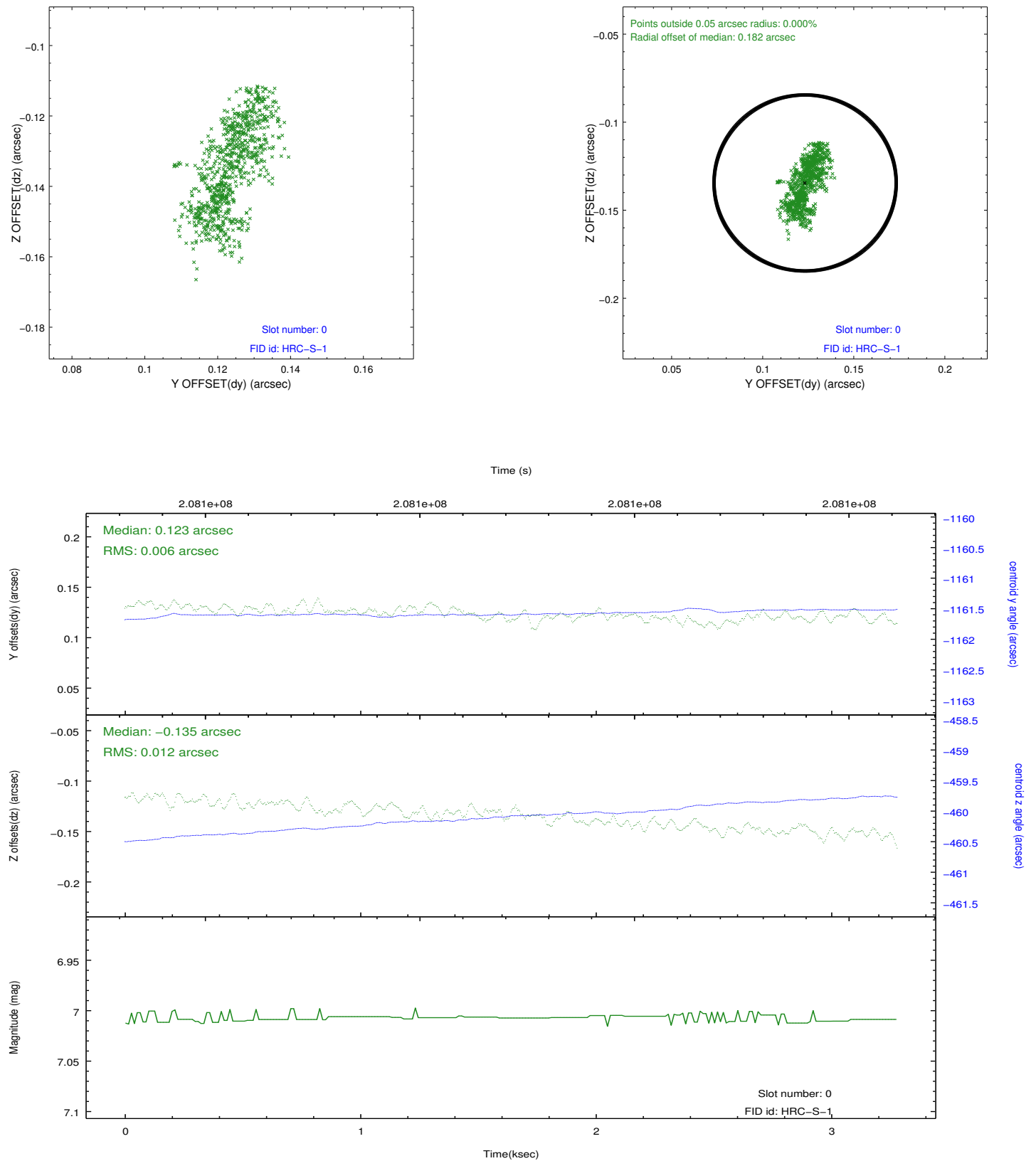


2.4.5 Slot 7

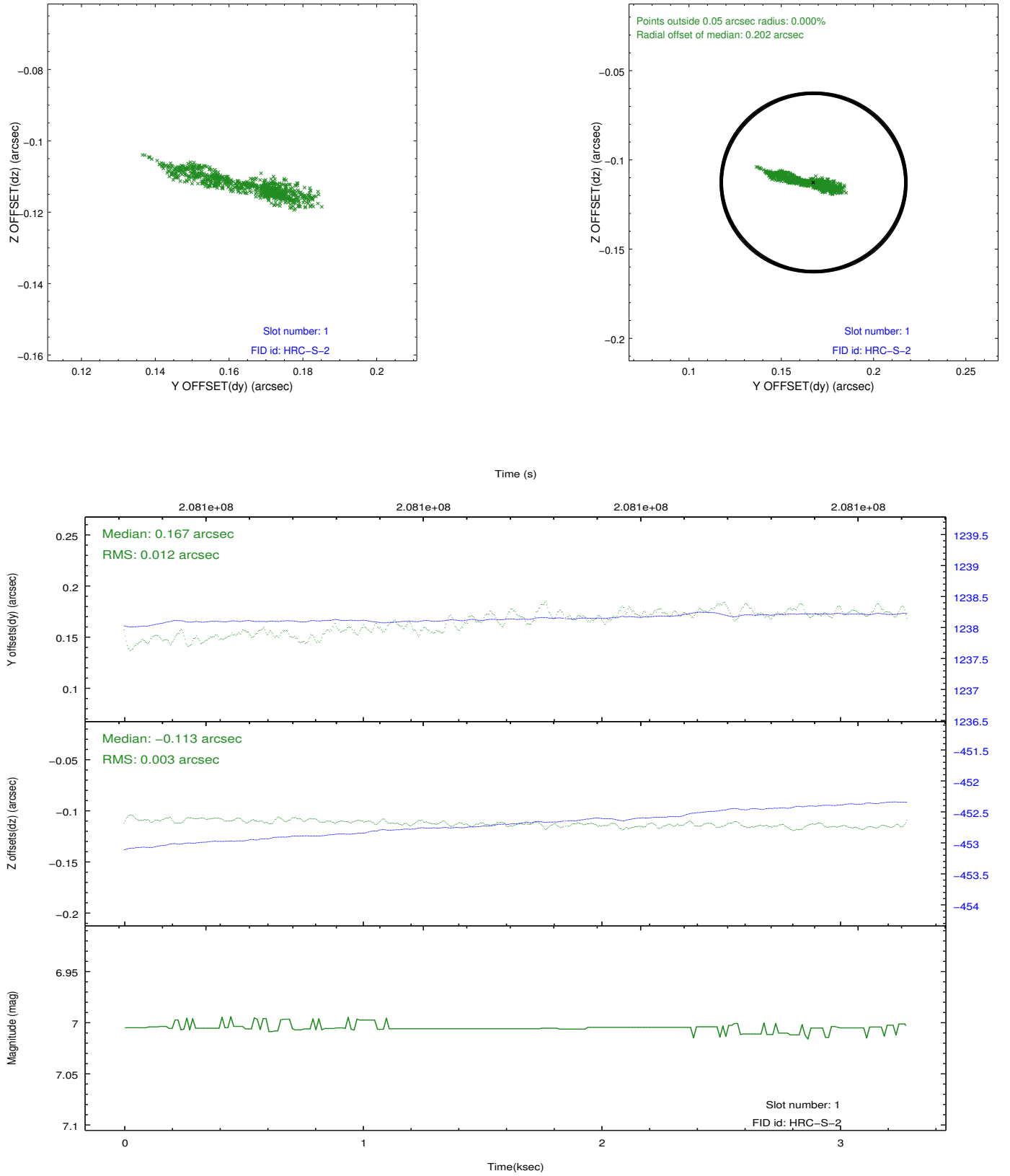


2.5 FID Slots

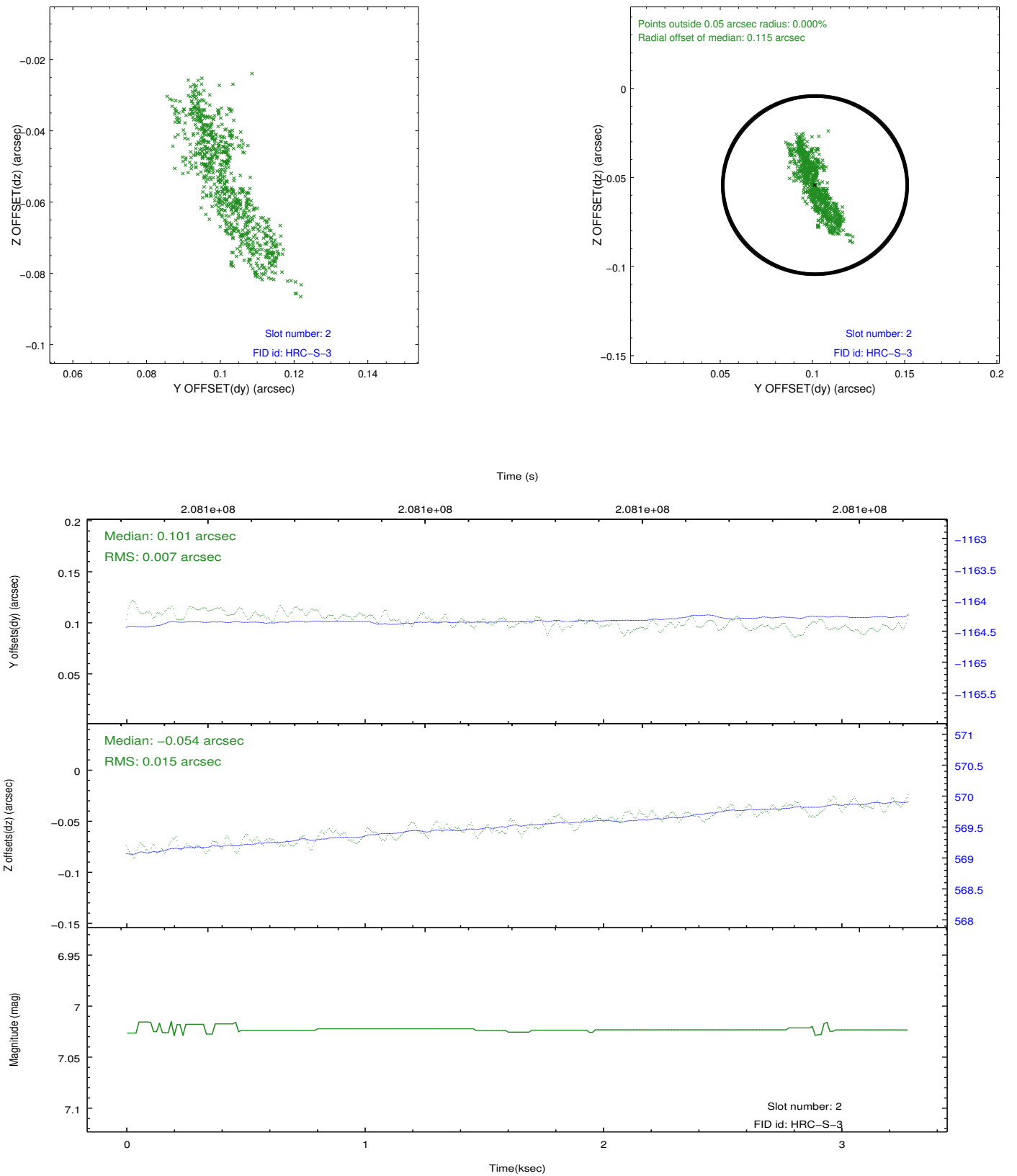
2.5.1 Slot 0



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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.283

A.2 Comments

Window constraint satisfied.