

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2591 - L2 Version 3
Chandra X-Ray Center

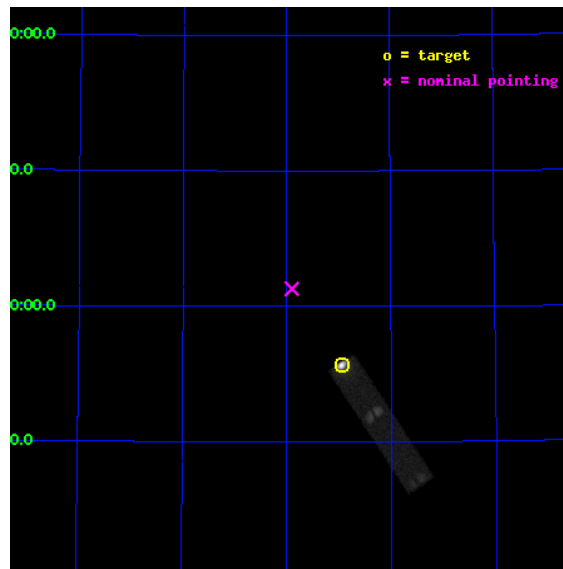
L2 Processing Date : Oct 2 2012

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1 Front

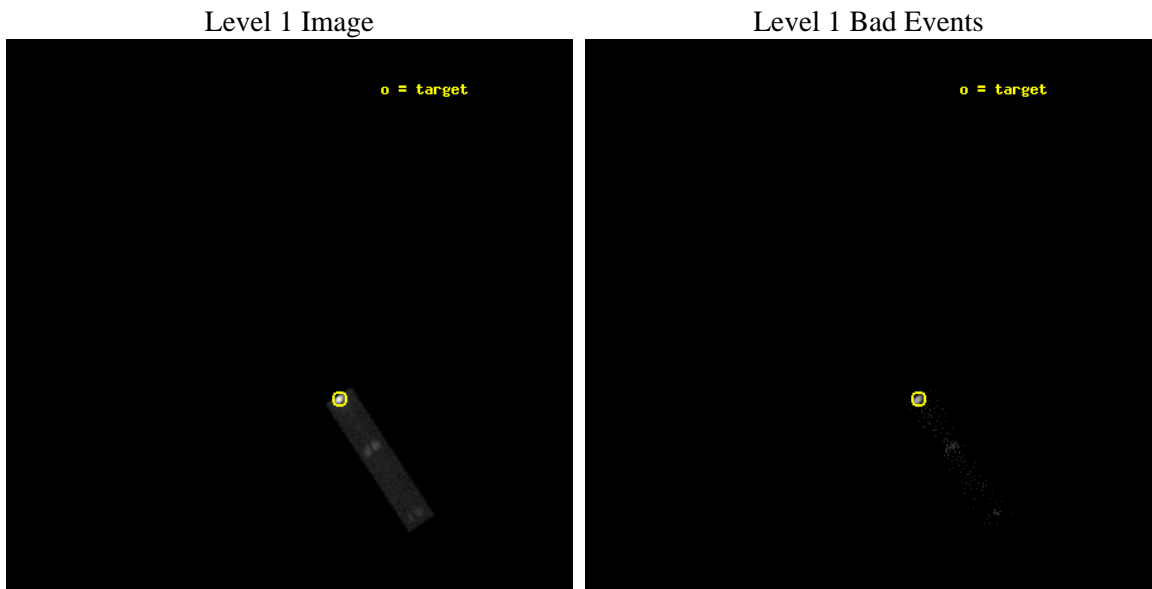
seq_num	290147	Sequence number
obs_id	2591	Observation id
title	AO3 CALIBRATION OBSERVATIONS OF VEGA	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.47500011737	Nominal RA [deg]
dec_nom	39.065381232325	Nominal Dec [deg]
roll_nom	56.469144633683	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3041.4313728213	[s]
livetime	1145.12219466	Ontime multiplied by DTCOR
l2events	480360	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	2900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3041.4313728213	[s]
caldbver	4.5.2	 	l1events	605979	Number of level 1 events
date	2012-10-02T07:31:06	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

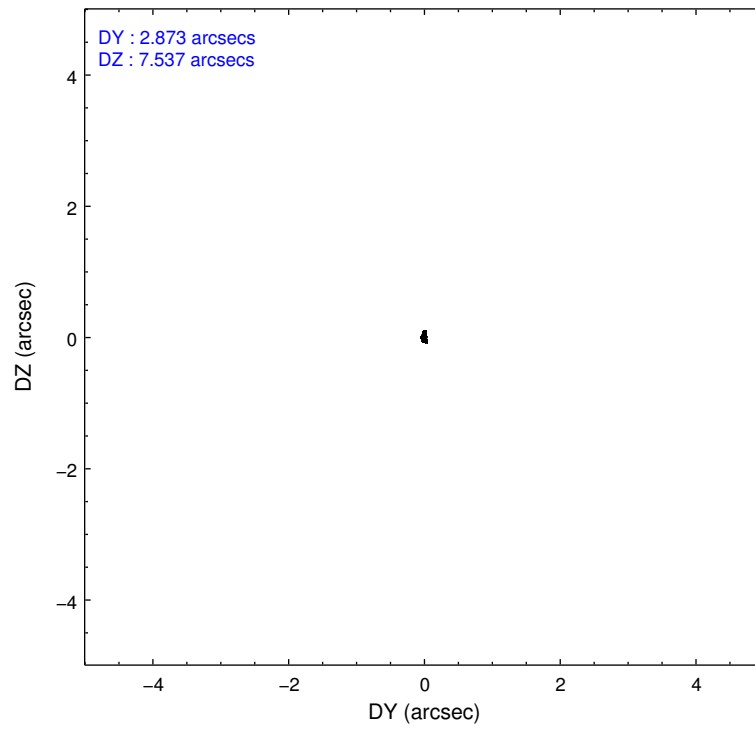
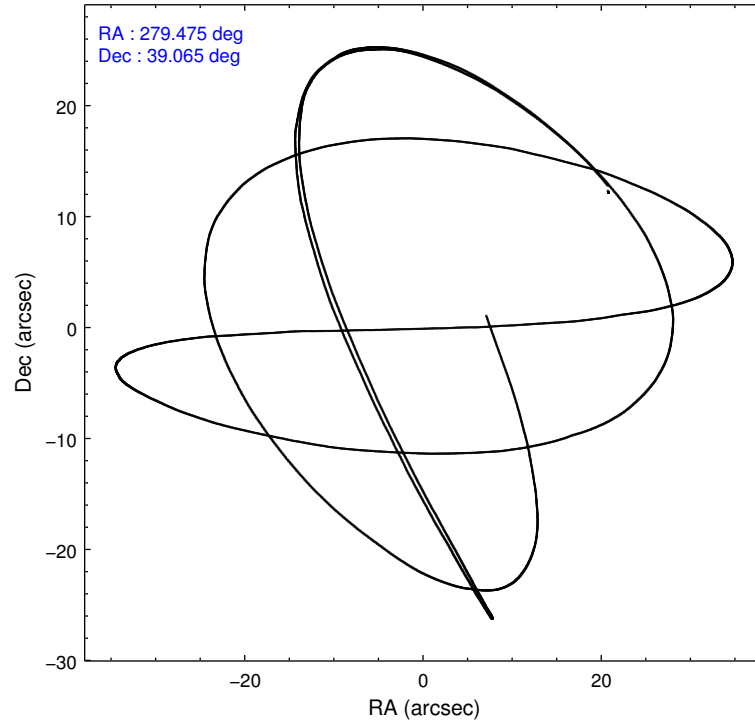
Level 1 Events

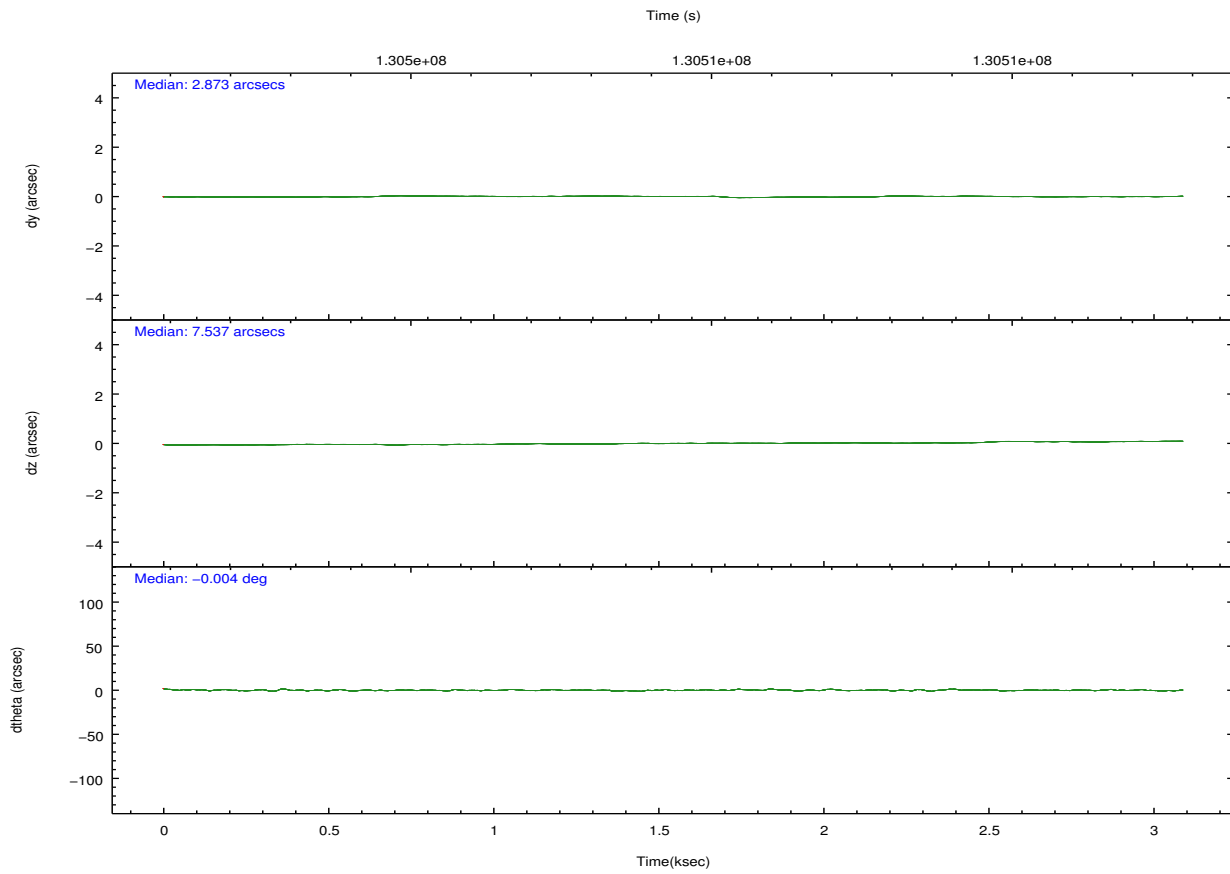
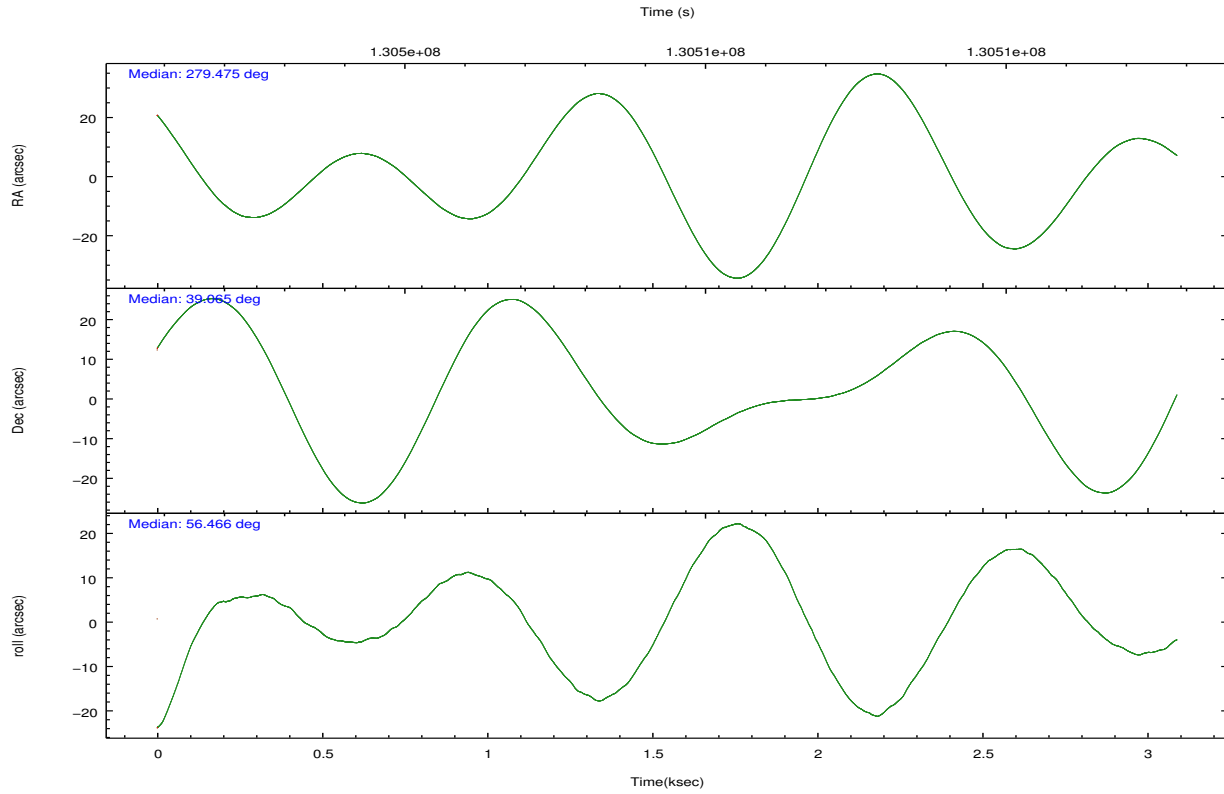
	segment 1	segment 2	segment 3
level 1 events	591785	13768	426
rejected events	31024	13733	426
rejected %	5%	99%	100%

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	279.474649	279.4750001173698			
[deg] Pointing Dec	39.036893	39.065381232325			
[deg] Pointing Roll	56.402047	56.46914463368265			
[s] Window start time (MET)	128908864.184000	128908864.184000			
[s] Window stop time (MET)	131241664.184000	131241664.184000			
[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)	130504515.184000	130504139.35898			
Observation start date	2002-02-19T11:14:11	2002-02-19T11:08:59			
[s] Observation end time (MET)	130507415.184000	130507549.53412			
Observation end date	2002-02-19T12:02:31	2002-02-19T12:05:49			

2.3 Aspect



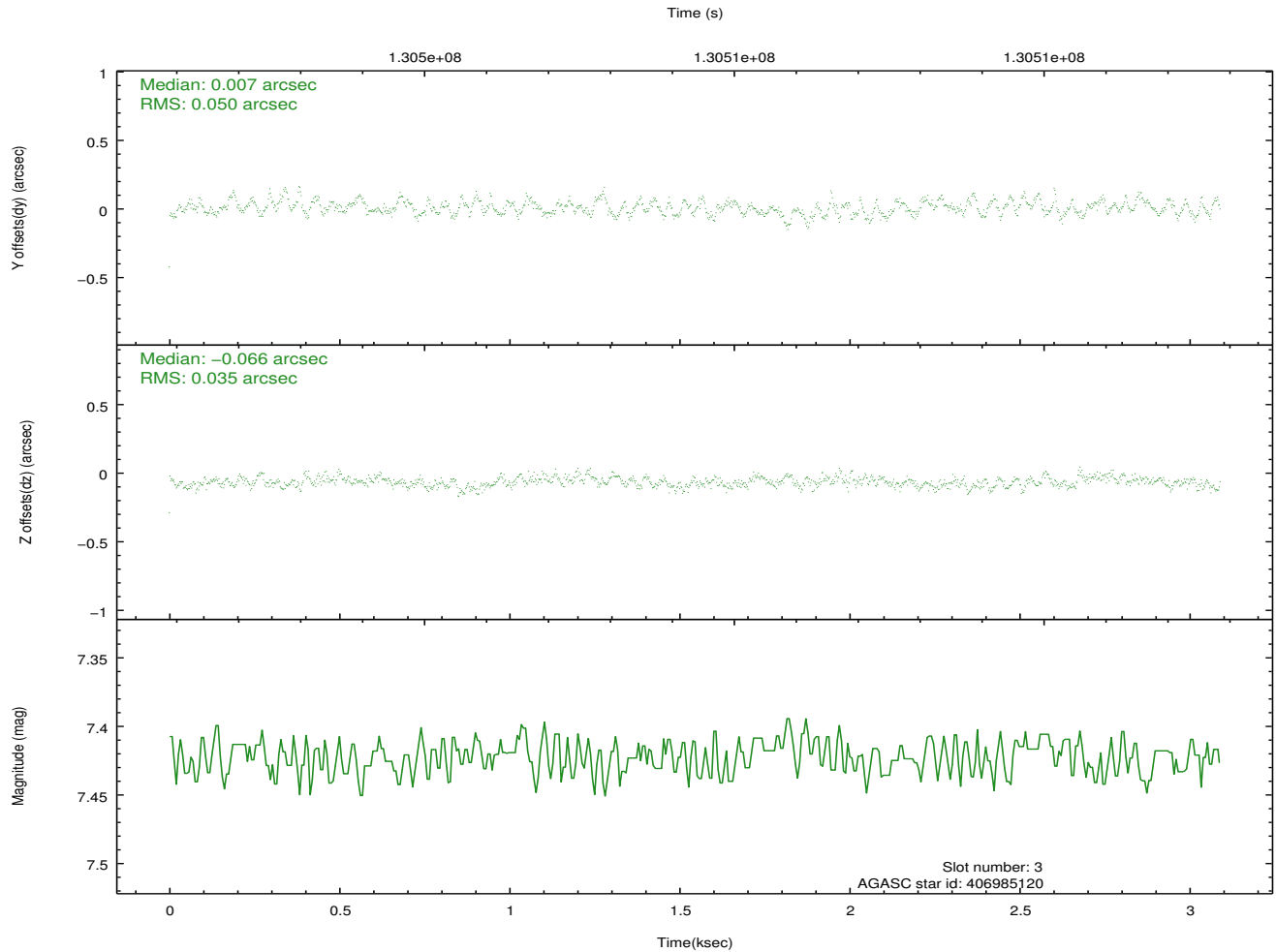
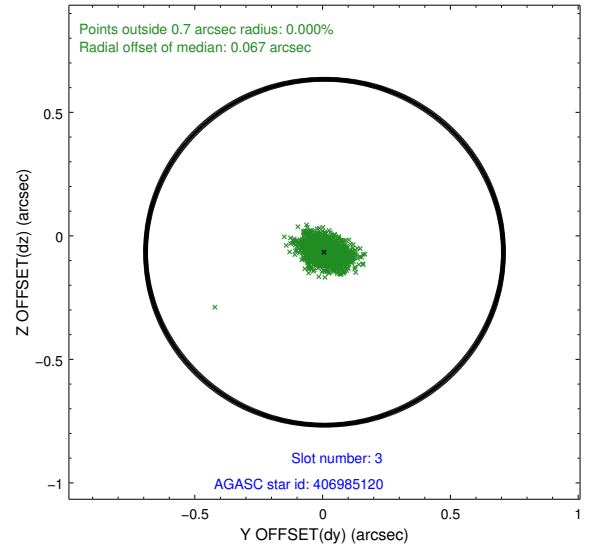
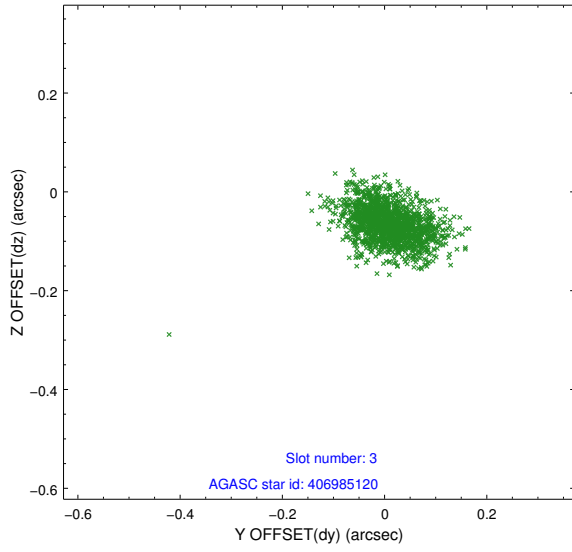


Slot Statistics

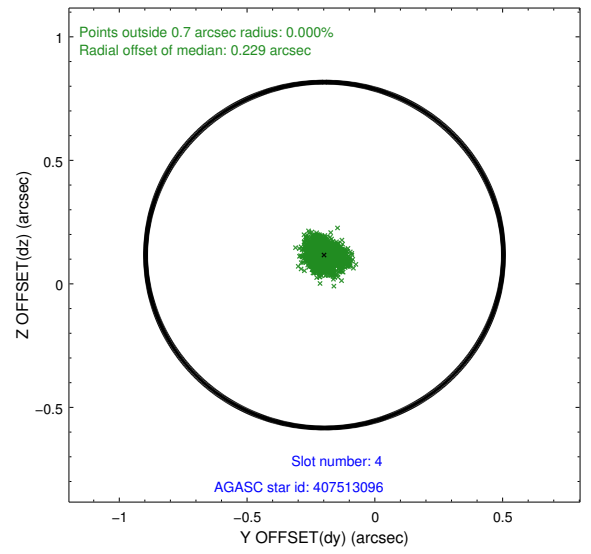
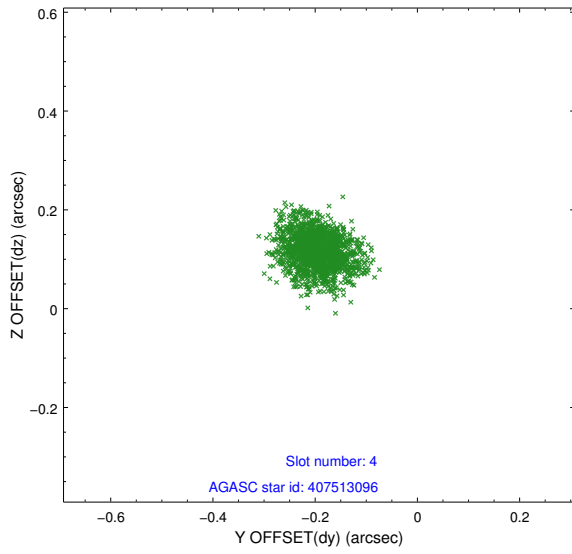
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	753	0.132	-0.081	0.006	0.010	0.000000	0.000000	-1156.90	-456.07
1	FID	HRC-S-2	6.96	753	0.108	-0.092	0.005	0.009	0.000000	0.000000	1241.22	-449.30
2	FID	HRC-S-3	6.99	754	0.150	-0.129	0.006	0.011	0.000000	0.000000	-1157.97	572.82
3	GUIDE	406985120	7.42	1508	0.007	-0.066	0.063	0.107	278.839732	38.894839	-1404.82	1202.15
4	GUIDE	407513096	8.14	1508	-0.197	0.117	0.055	0.090	279.928965	39.436841	1900.25	-252.56
5	GUIDE	406983600	8.91	1508	0.009	0.013	0.063	0.107	279.940957	39.020708	677.71	-1117.03
6	GUIDE	407521232	8.64	1508	0.077	-0.121	0.066	0.107	279.628883	39.431715	1422.48	428.82
7	GUIDE	406989616	8.23	1507	0.104	0.056	0.056	0.095	279.202881	38.520843	-1968.52	-389.53

2.4 Star Slots

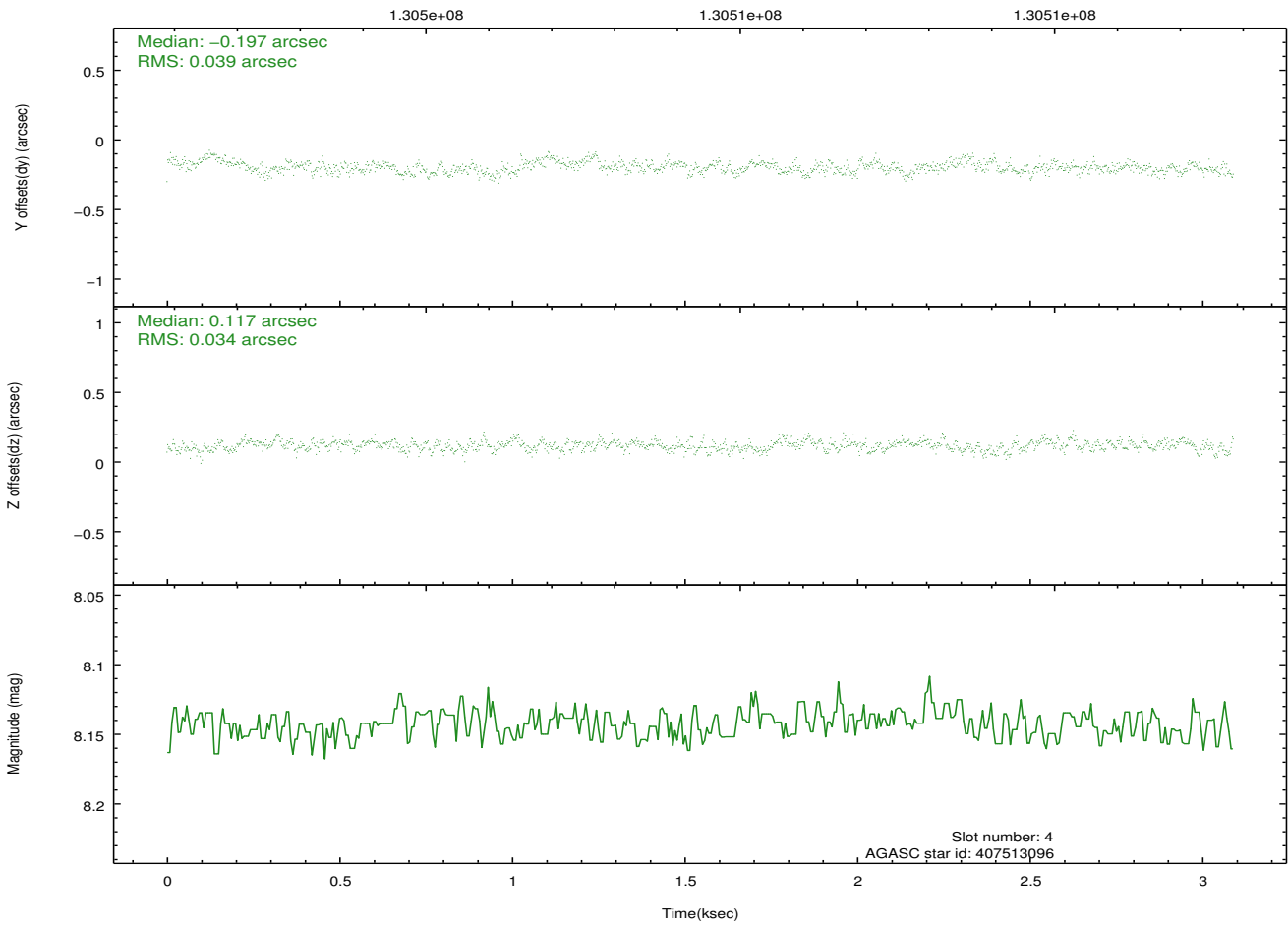
2.4.1 Slot 3



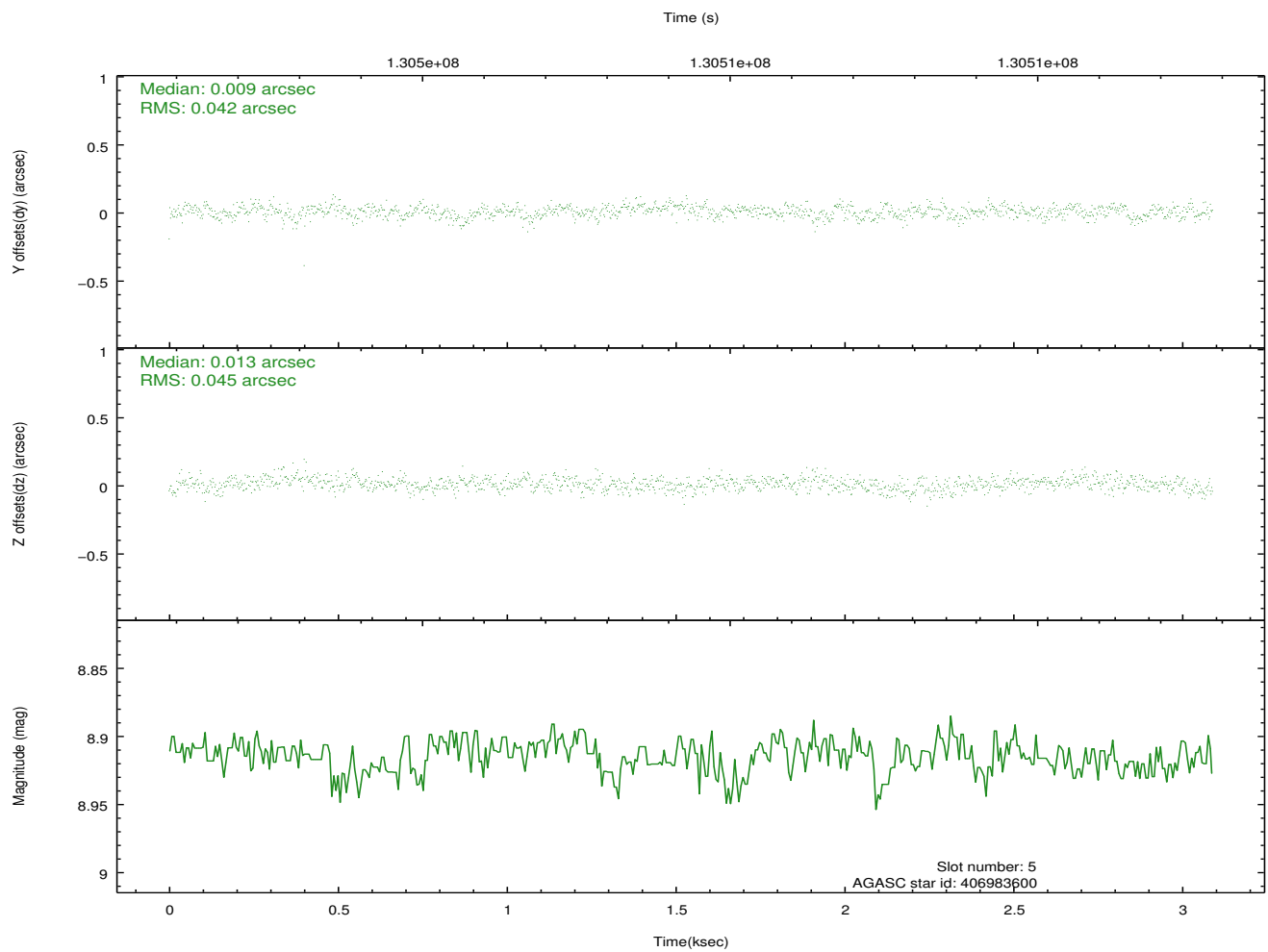
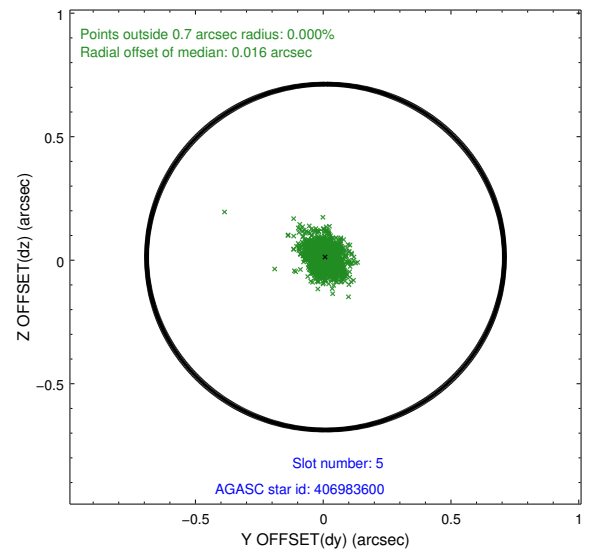
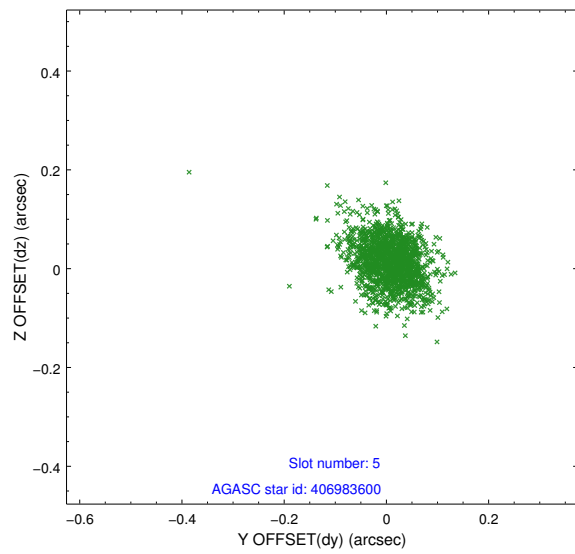
2.4.2 Slot 4



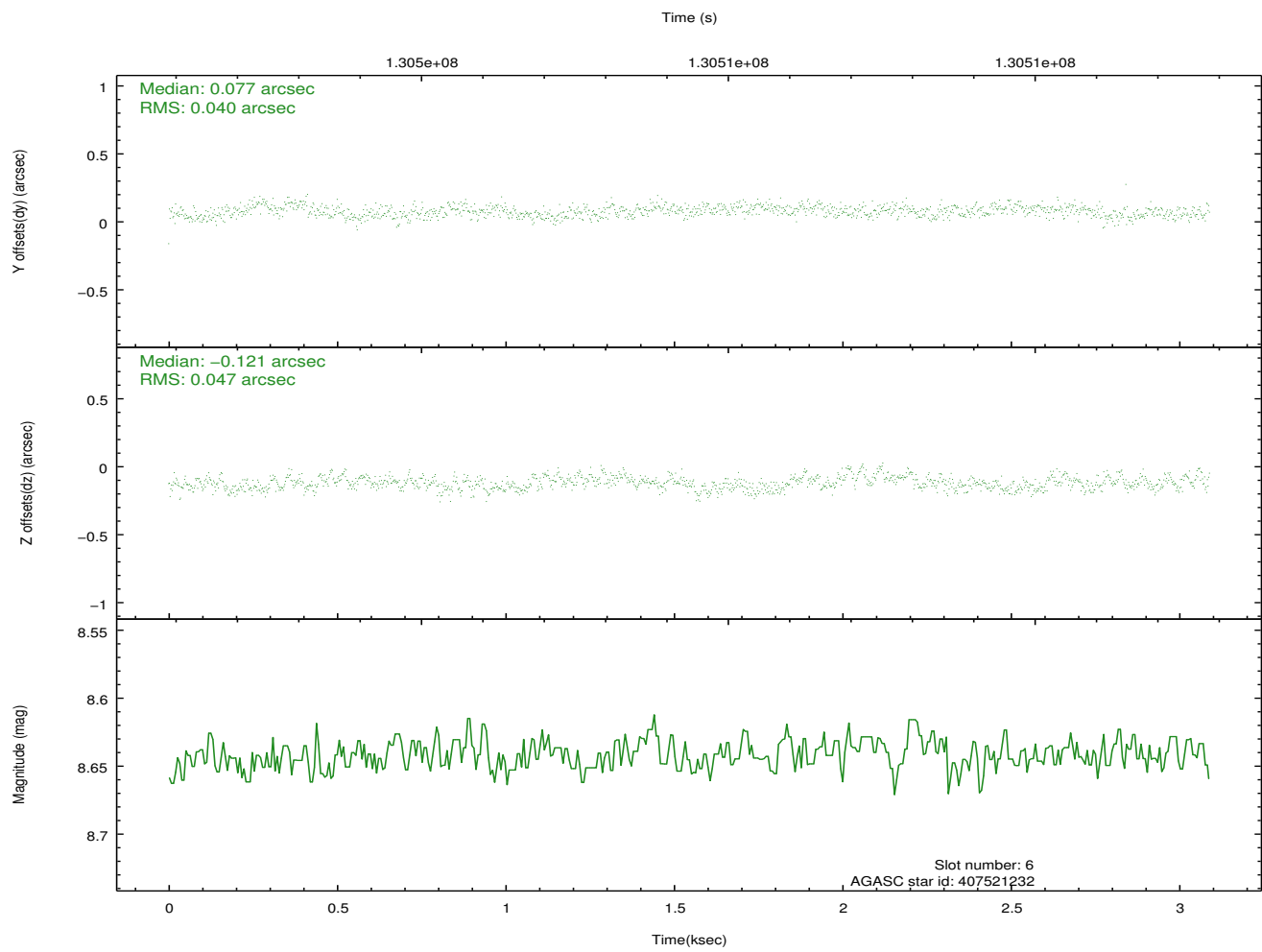
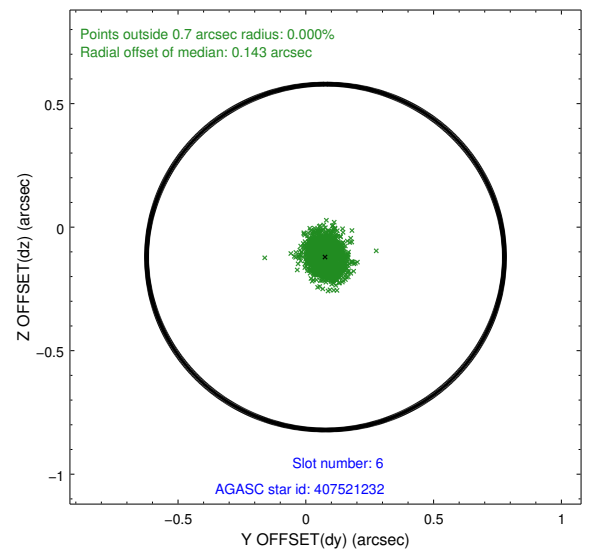
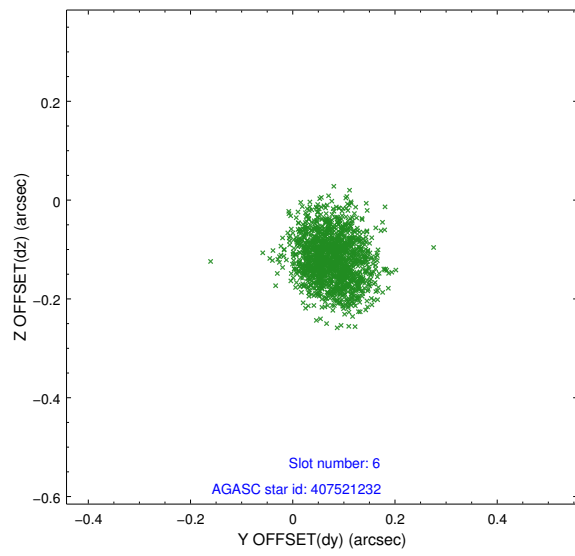
Time (s)



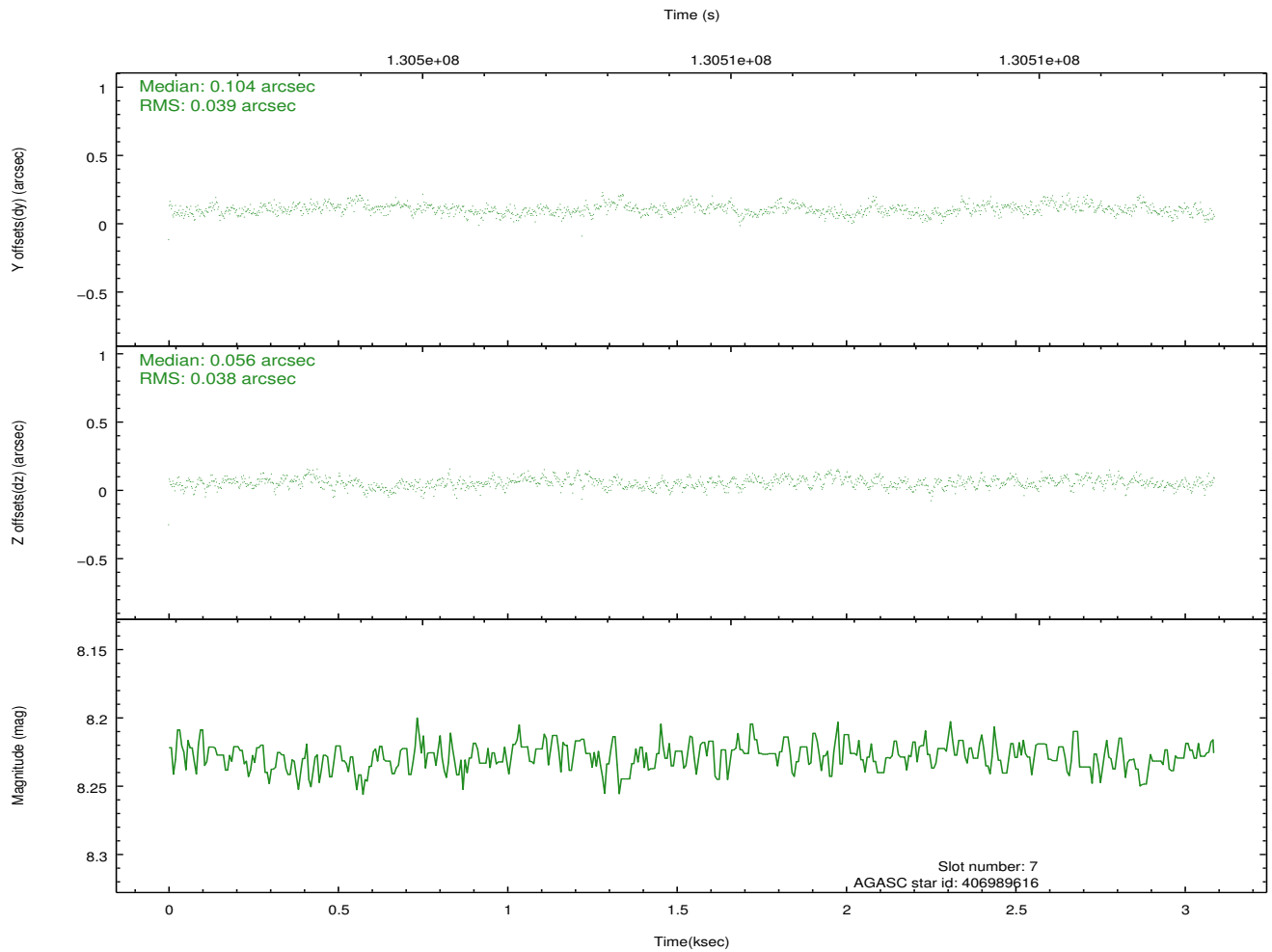
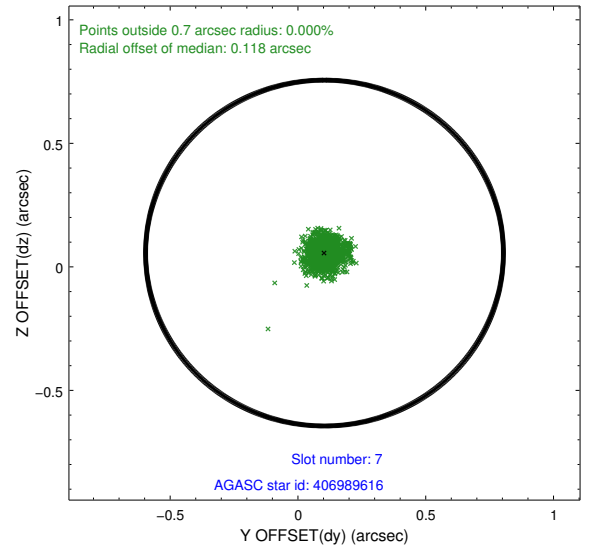
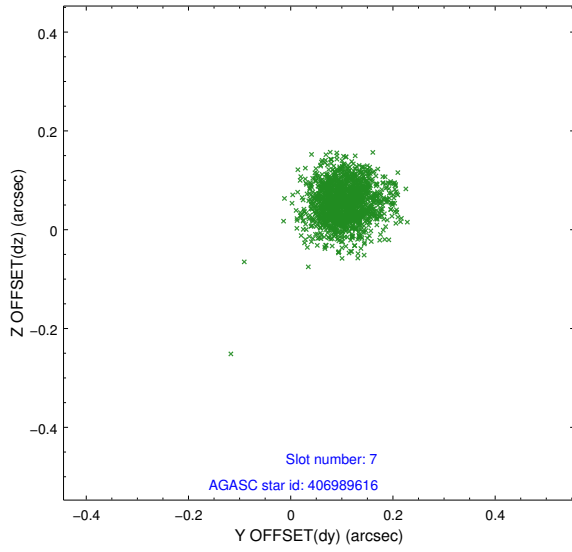
2.4.3 Slot 5



2.4.4 Slot 6

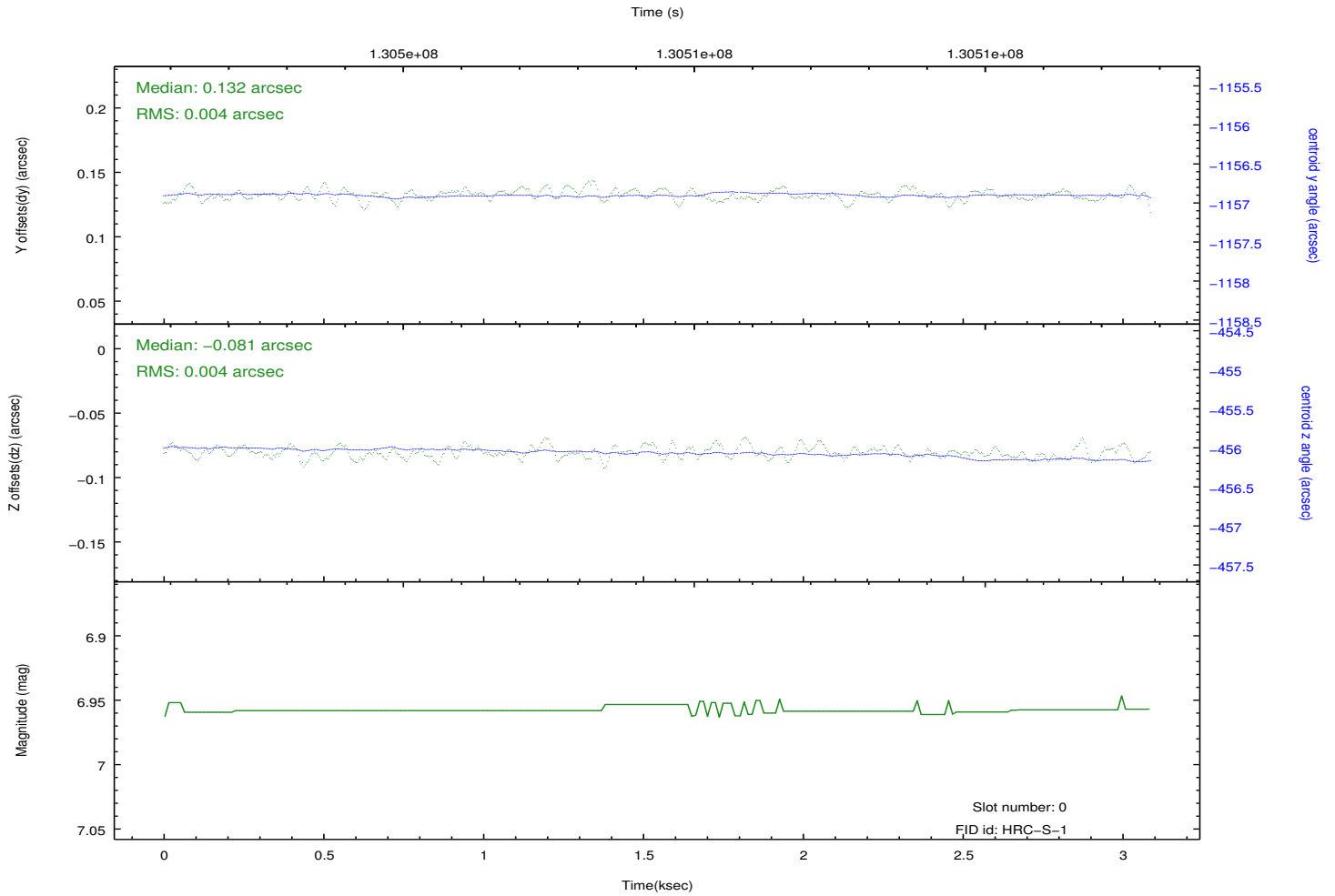
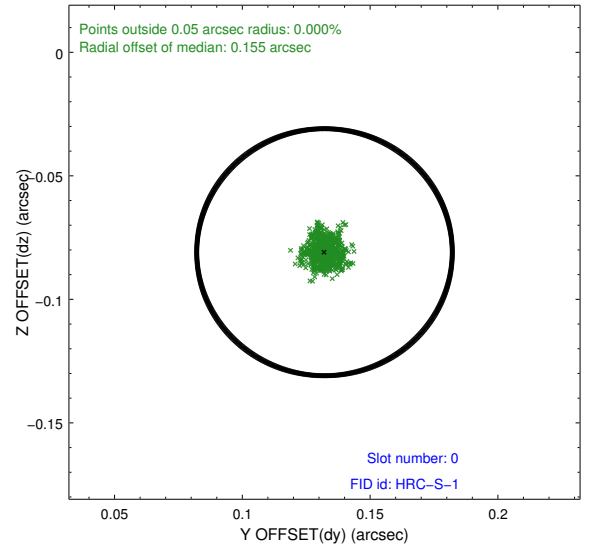
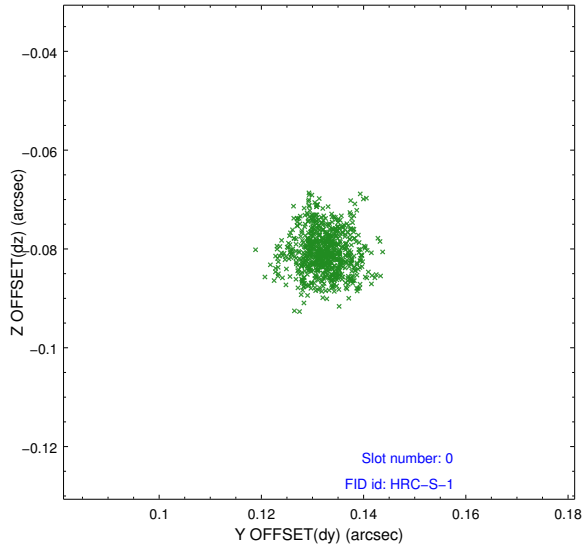


2.4.5 Slot 7

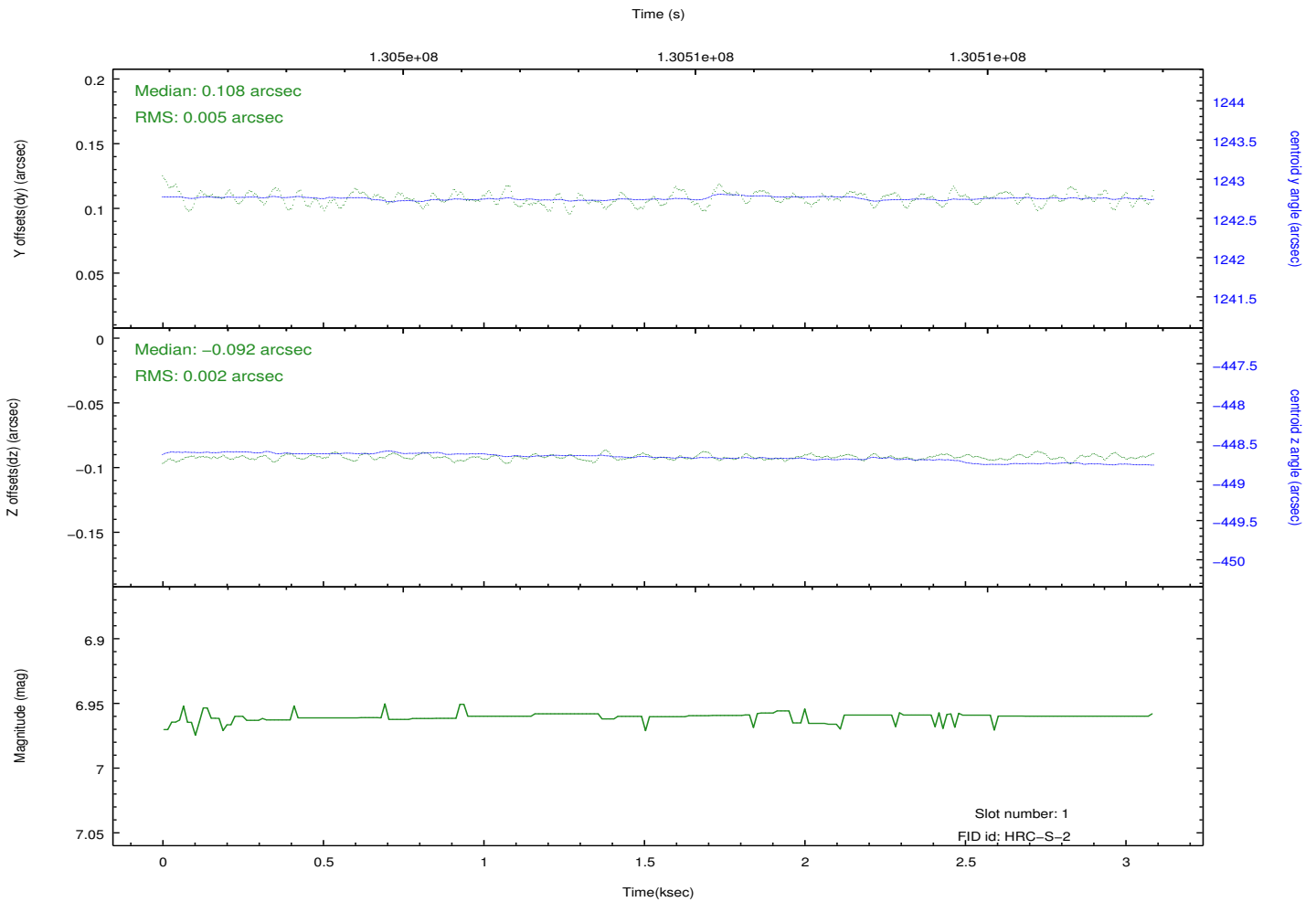
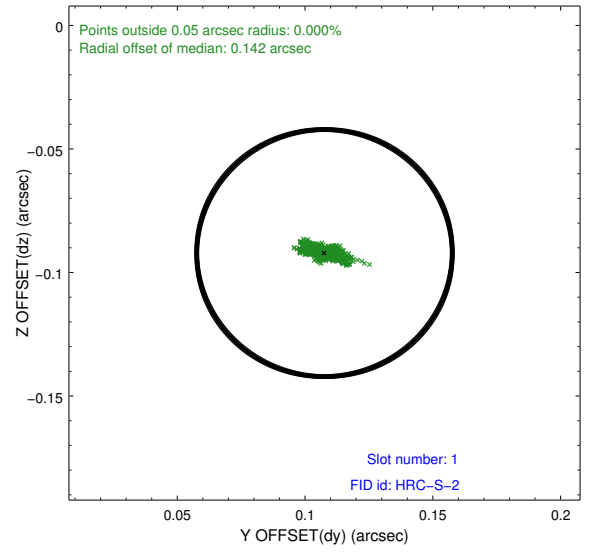
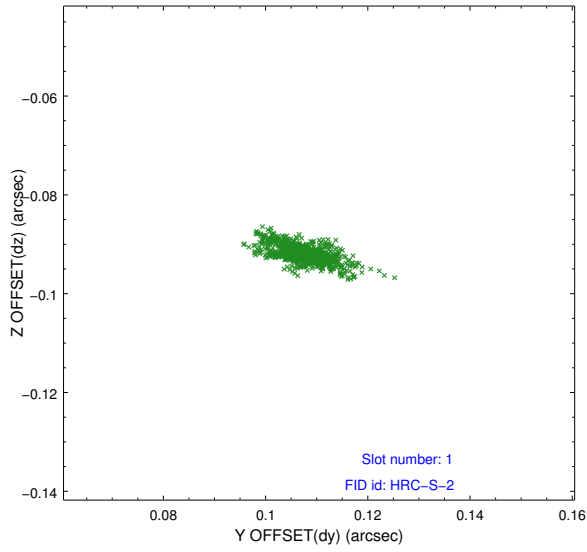


2.5 FID Slots

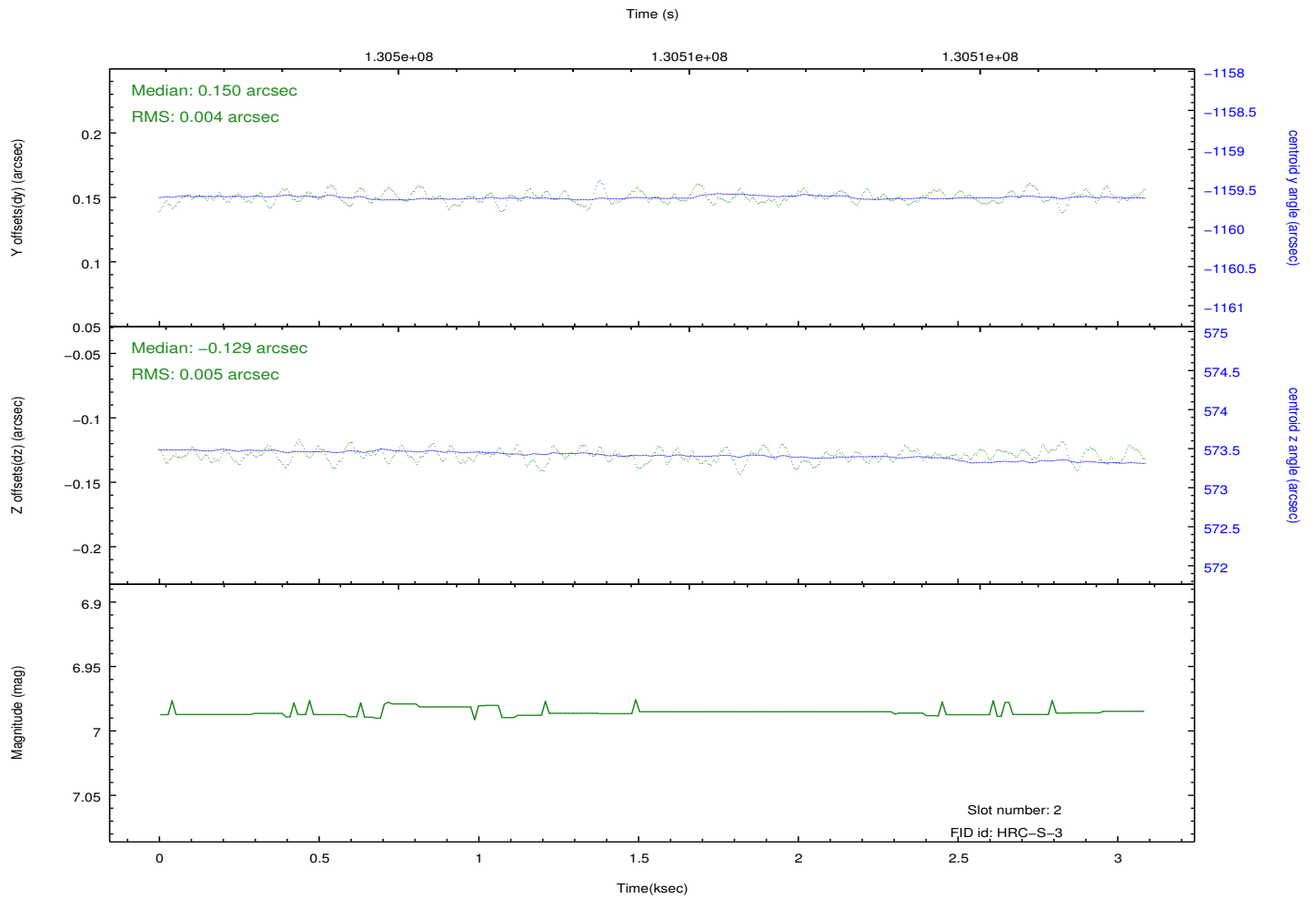
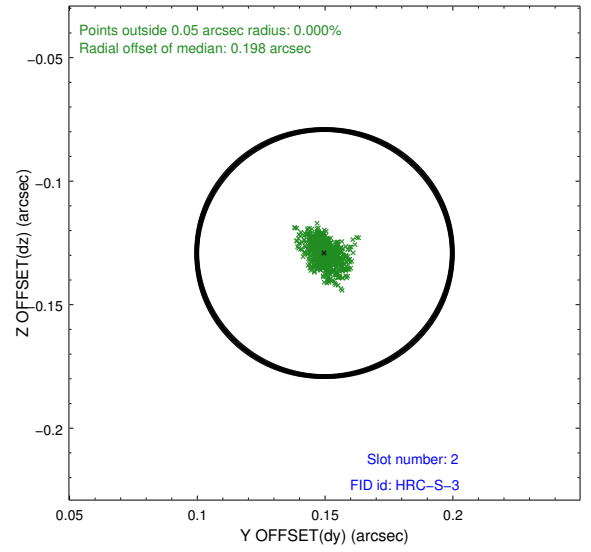
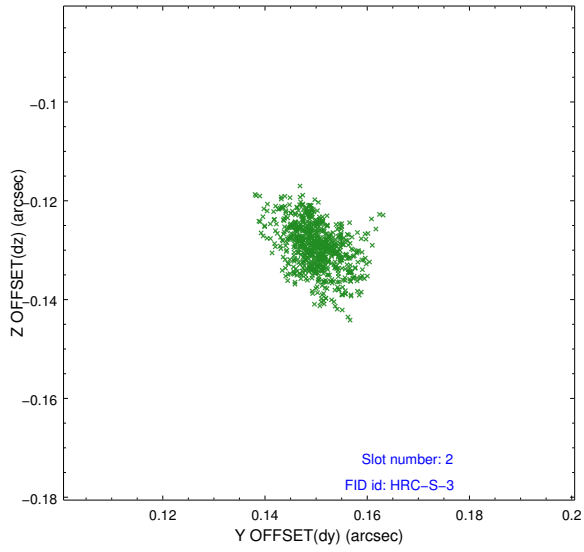
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.078

A.2 Comments

Charge time for this ObsId remains at previous value of 3.078 ks although with the current processing the charge time would have been 3.04 ksec.

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Window constraint met. The chip and target are far off-axis; the source is therefore extended. Additionally, internal reflections off of the detector fall onto the chip.