

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10621 - L2 Version 4
Chandra X-Ray Center

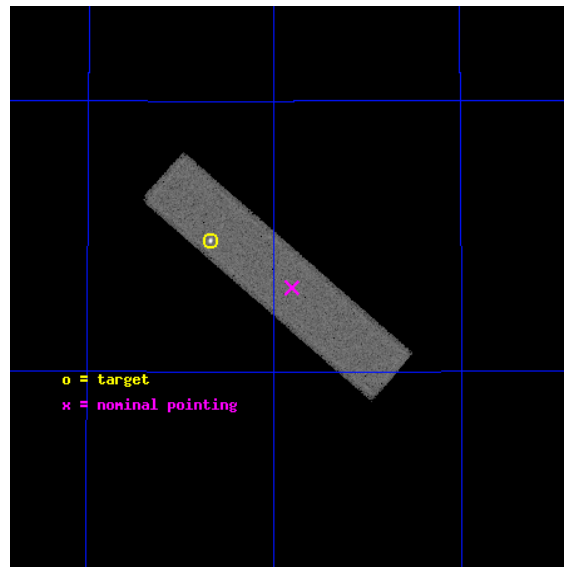
L2 Processing Date : Aug 13 2012

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1 Front

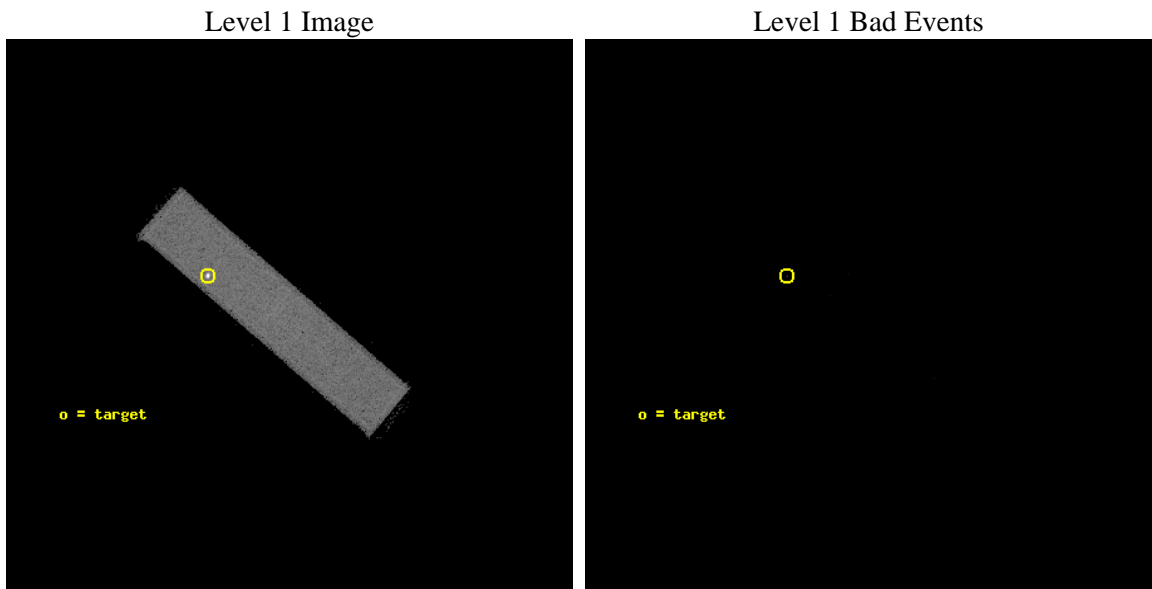
seq_num	290857	Sequence number
obs_id	10621	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.95193735203	Nominal RA [deg]
dec_nom	45.655715180899	Nominal Dec [deg]
roll_nom	220.78699914291	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1195.4063100815	[s]
livetime	1183.6405841796	Ontime multiplied by DTCOR
l2events	85738	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	1021.906000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1195.4063100815	[s]
caldsver	4.5.1.1	 	l1events	117172	Number of level 1 events
date	2012-08-13T17:39:48	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

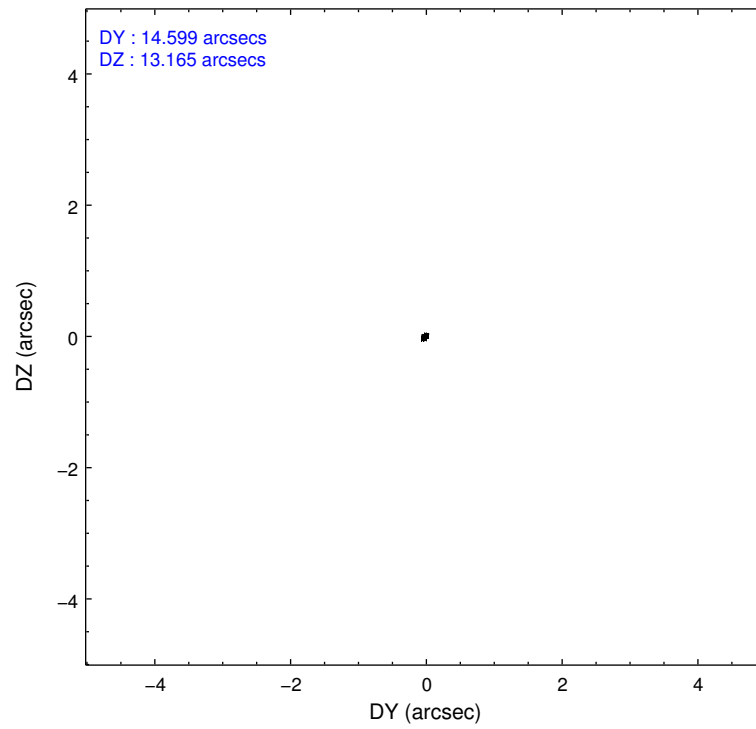
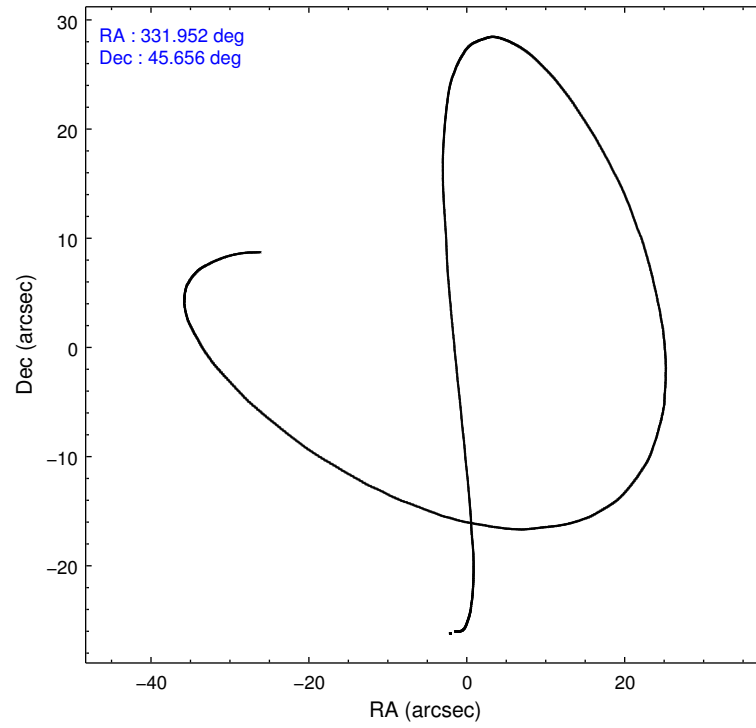
	segment 1	segment 2	segment 3
level 1 events	0	117172	0
rejected events	0	15684	0
rejected %	0%	13%	0%

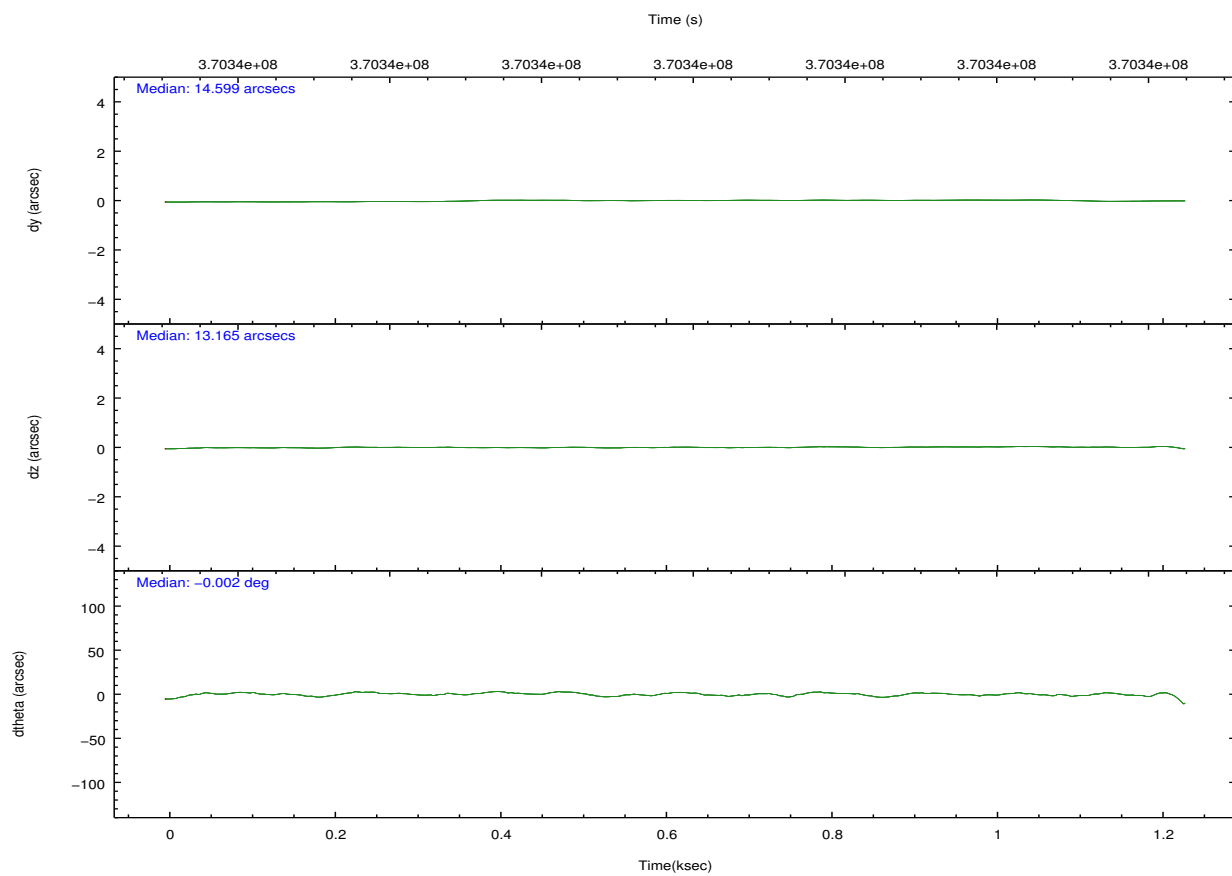
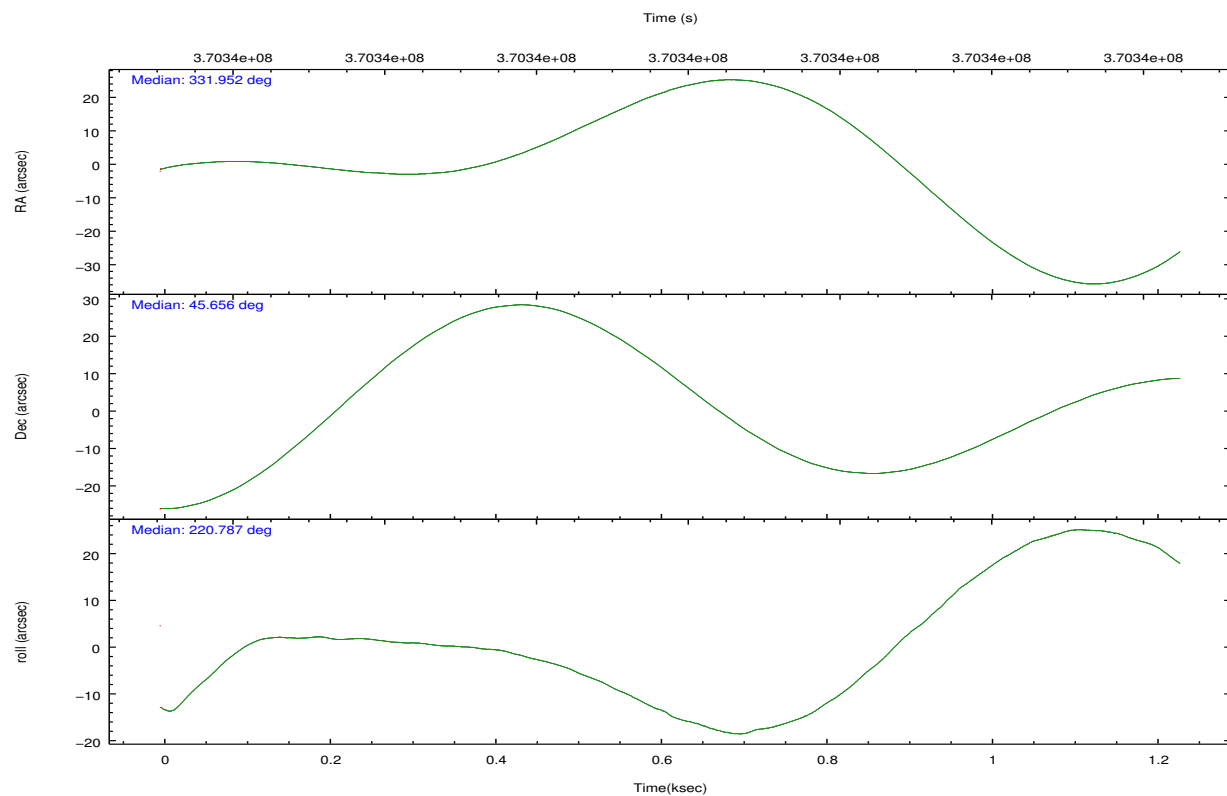
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	331.964173	331.9519373520346
[deg] Pointing Dec	45.683538	45.65571518089903
[deg] Pointing Roll	220.711002	220.7869991429125
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	370336153.184000	370335777.00301
Observation start date	2009-09-26T07:08:07	2009-09-26T07:02:57
[s] Observation end time (MET)	370337175.184000	370337729.11561
Observation end date	2009-09-26T07:25:09	2009-09-26T07:35:29

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



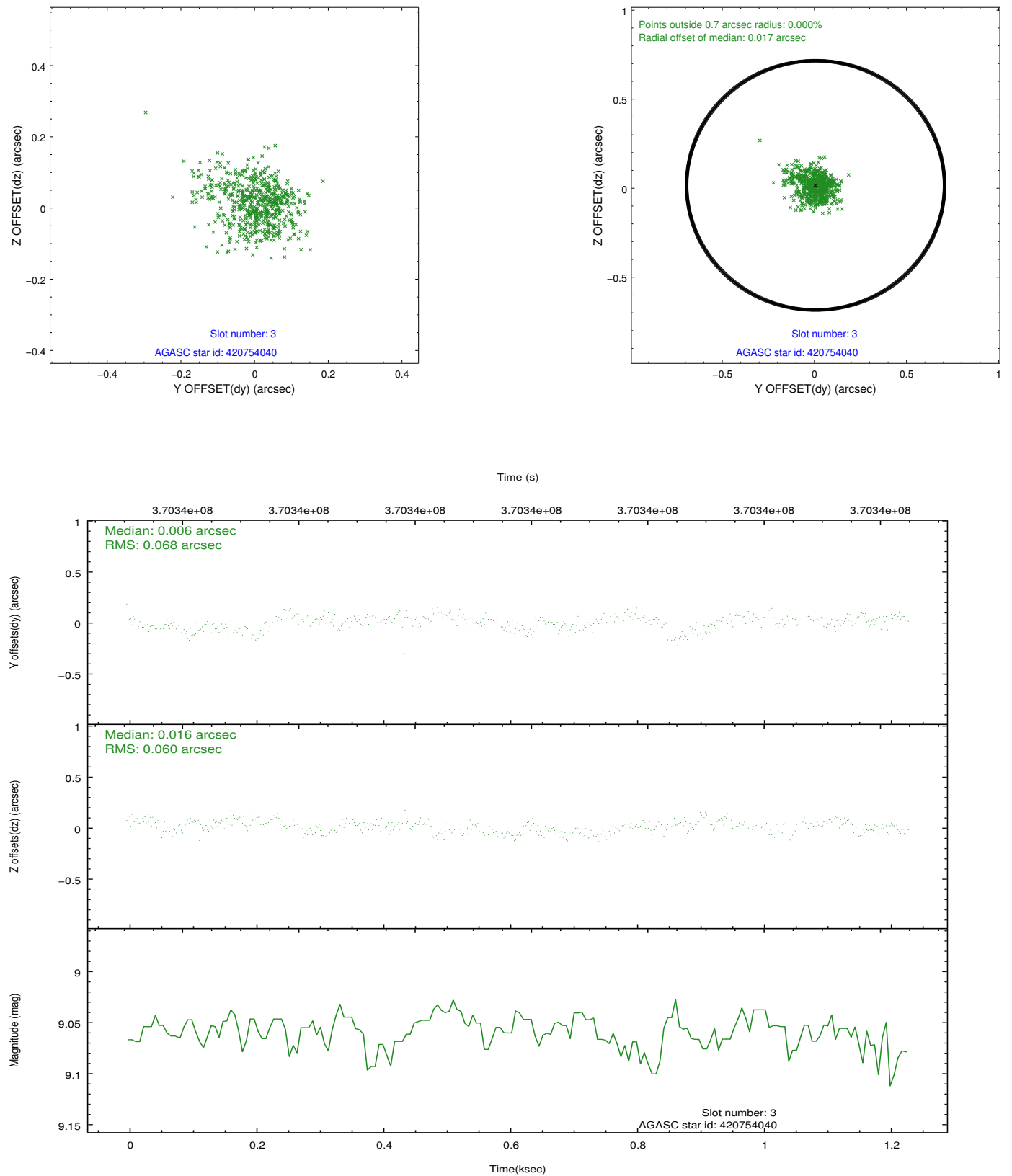


Slot Statistics

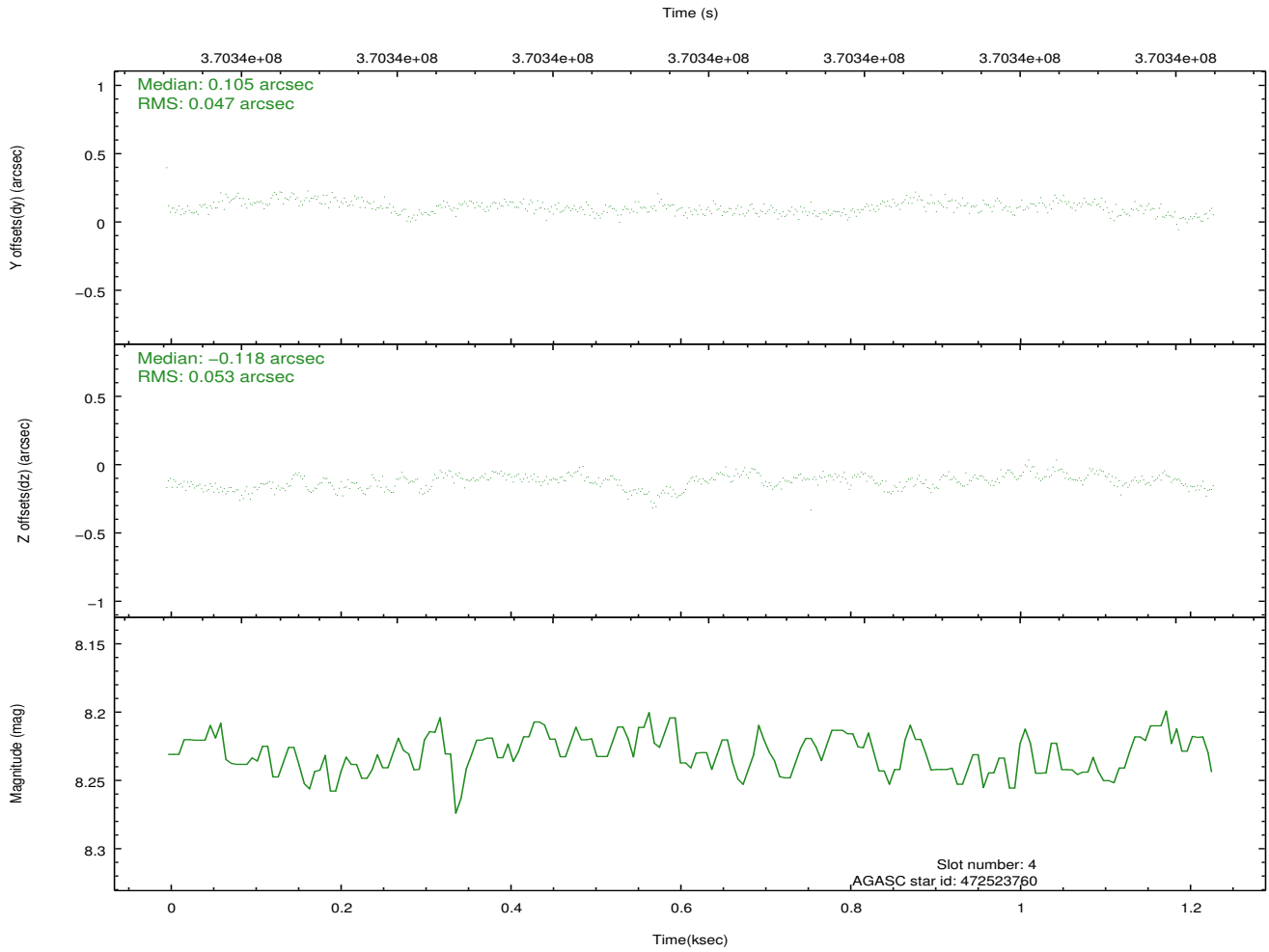
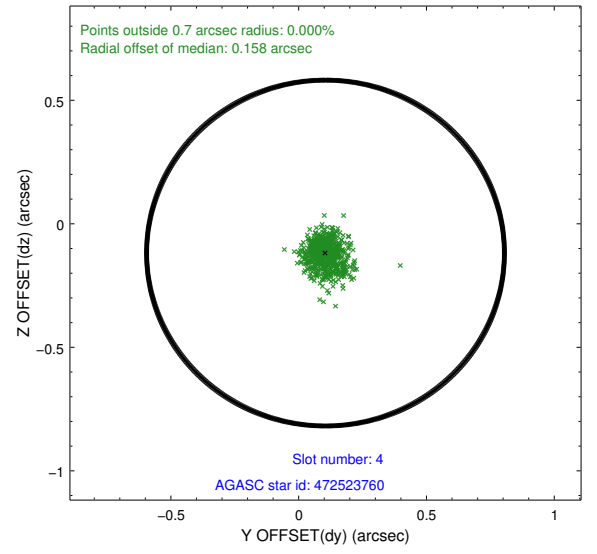
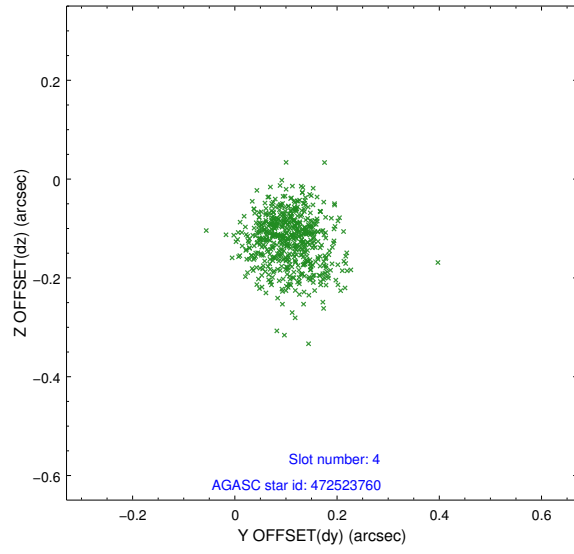
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	301	0.123	-0.163	0.005	0.009	0.000000	0.000000	-1168.94	-461.94
1	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	HRC-S-3	7.00	301	0.125	-0.037	0.005	0.009	0.000000	0.000000	-1175.53	566.17
3	GUIDE	420754040	9.06	598	0.006	0.016	0.093	0.163	331.917939	44.882543	1967.66	2109.87
4	GUIDE	472523760	8.23	602	0.105	-0.118	0.074	0.118	331.645363	45.403260	1269.77	241.93
5	GUIDE	472527720	7.01	602	-0.124	0.057	0.085	0.141	331.460205	45.112509	2309.14	721.11
6	GUIDE	472533912	9.14	602	0.018	0.103	0.147	0.219	331.791136	46.368695	-1281.07	-2148.59
7	GUIDE	472655152	9.42	599	-0.005	-0.031	0.110	0.181	332.504239	45.862991	-1454.37	386.95

2.4 Star Slots

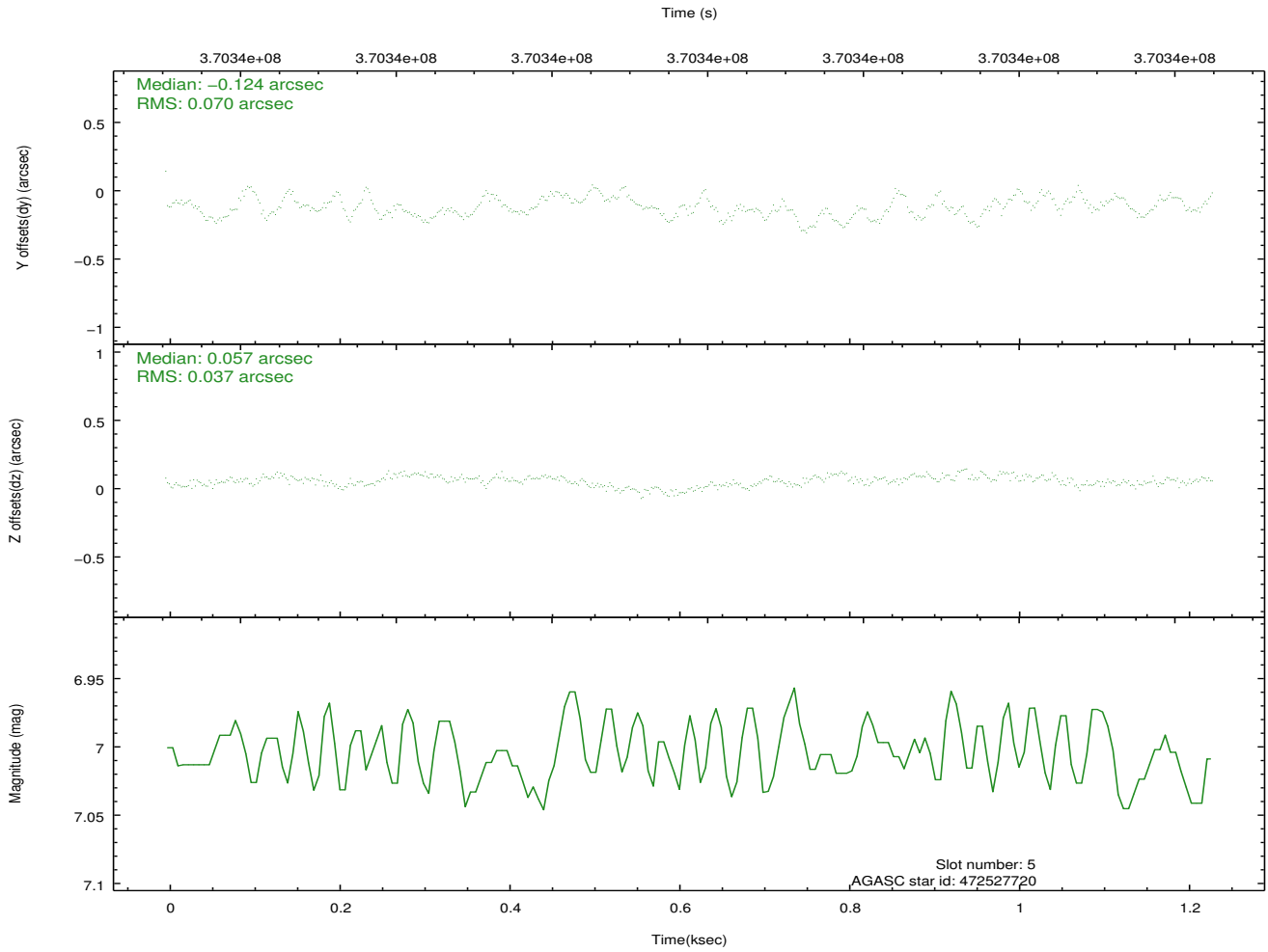
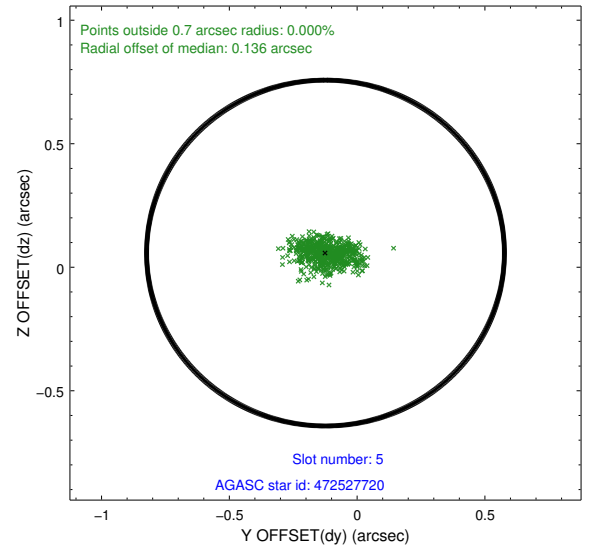
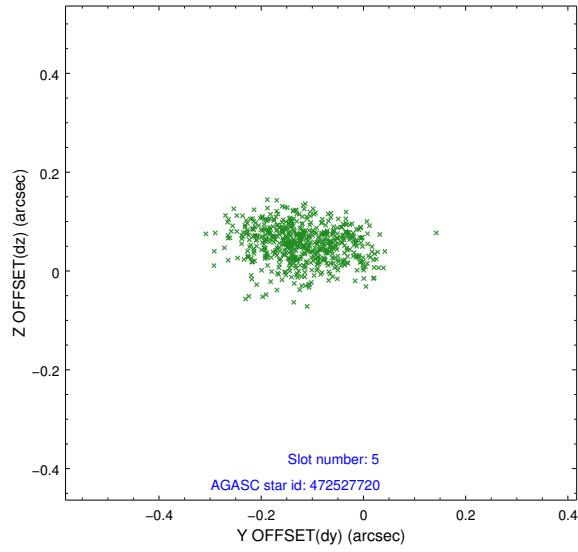
2.4.1 Slot 3



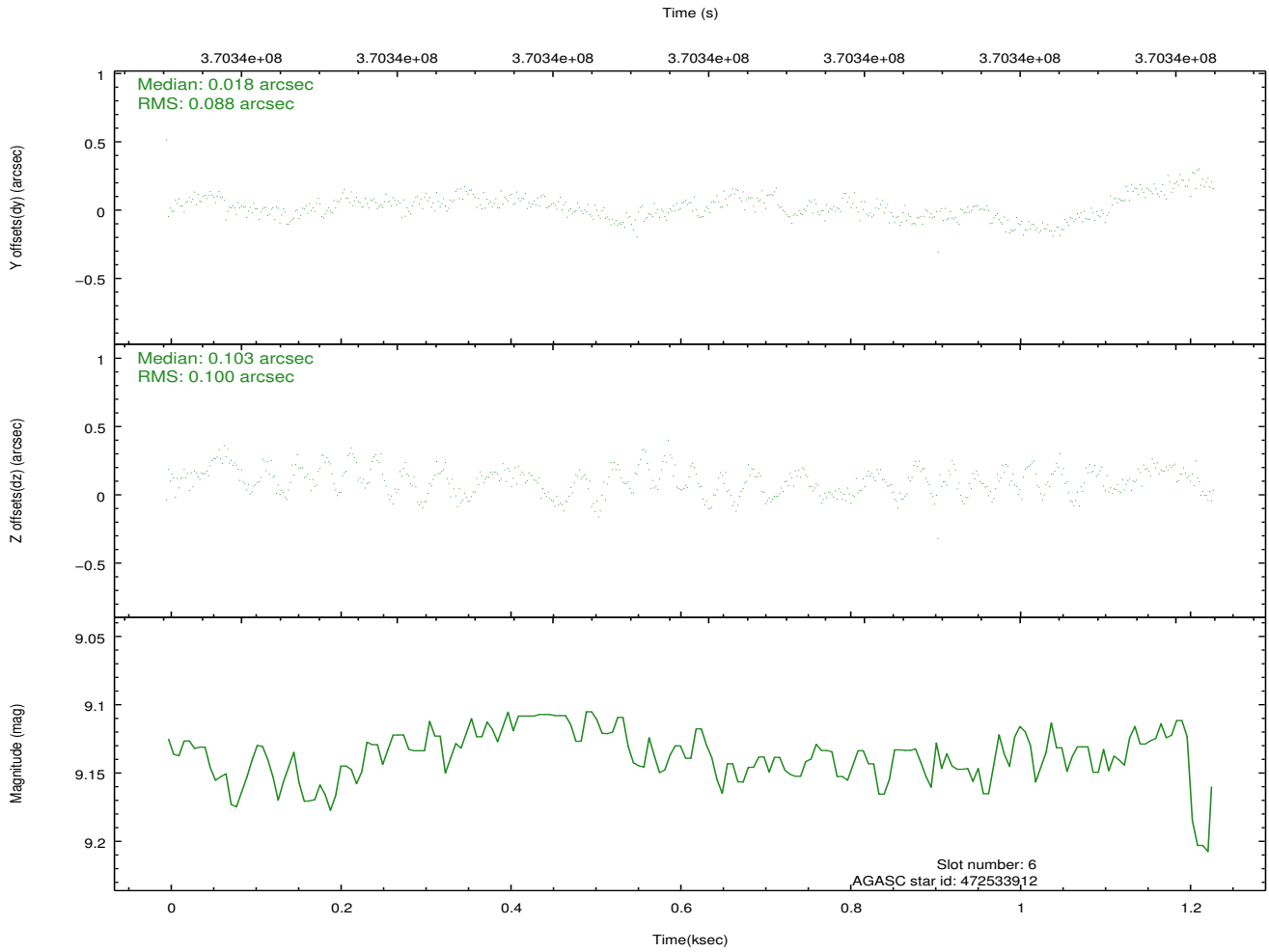
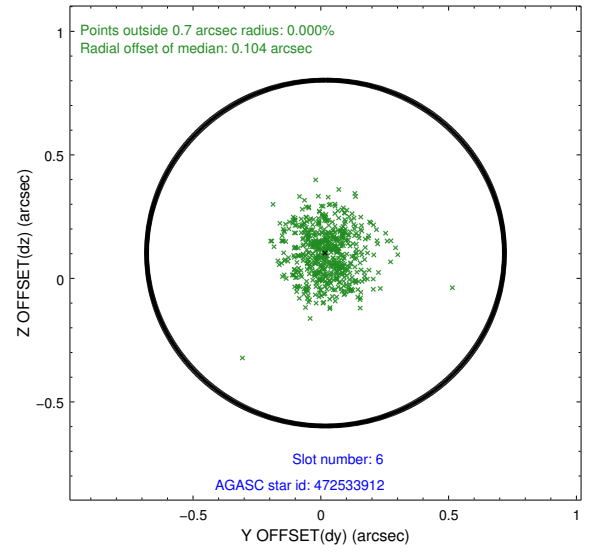
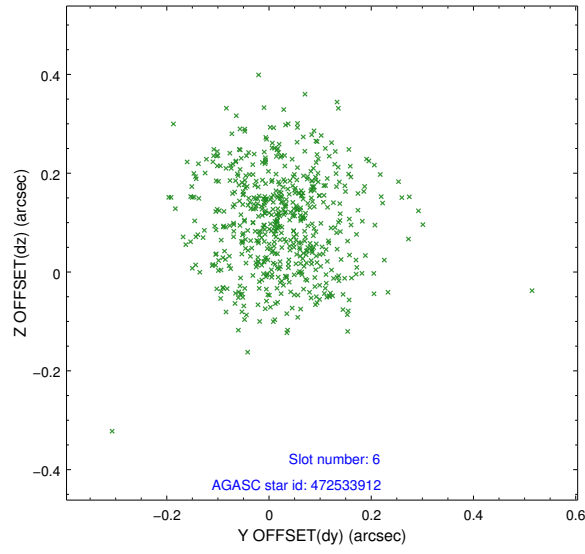
2.4.2 Slot 4



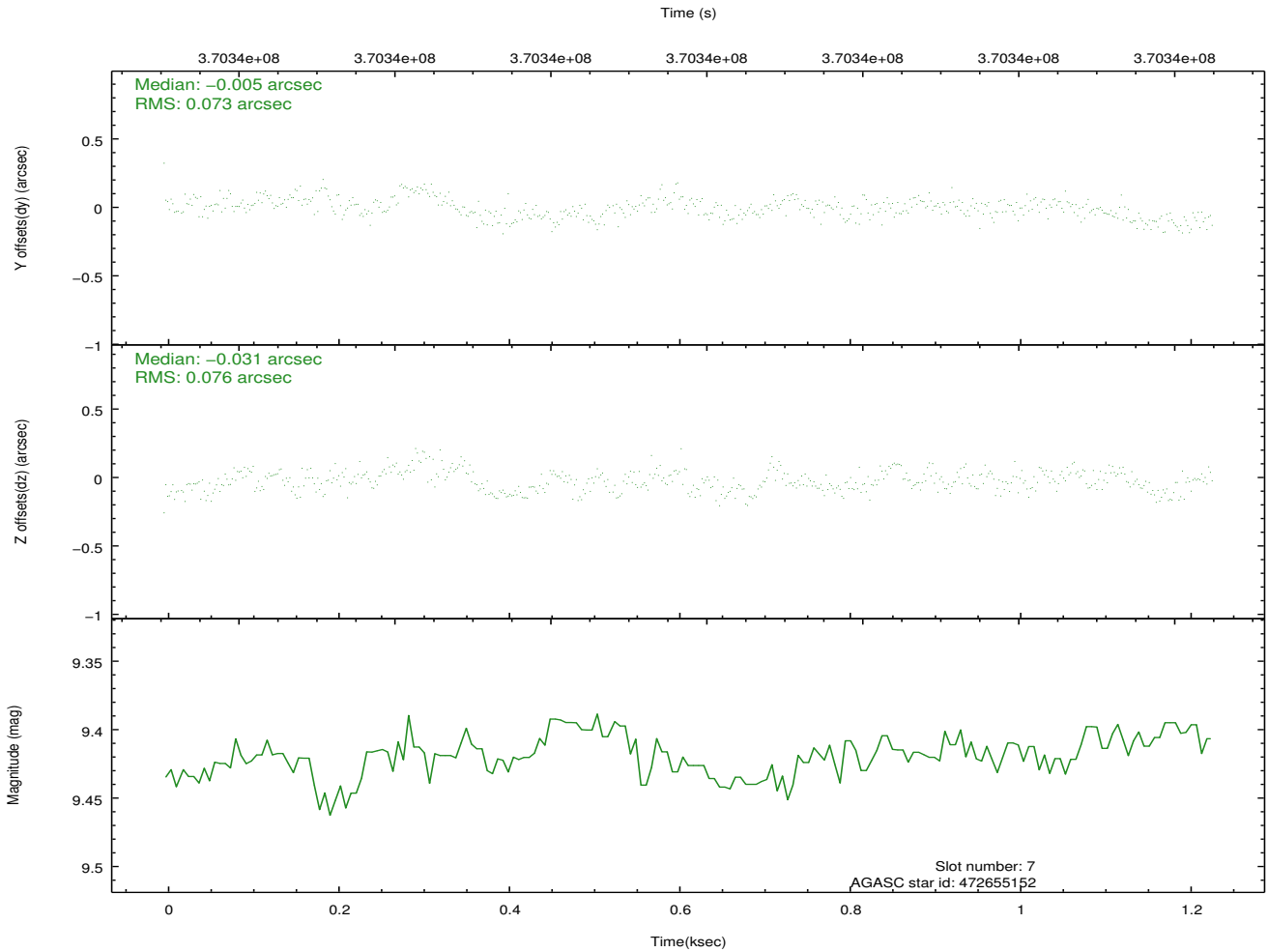
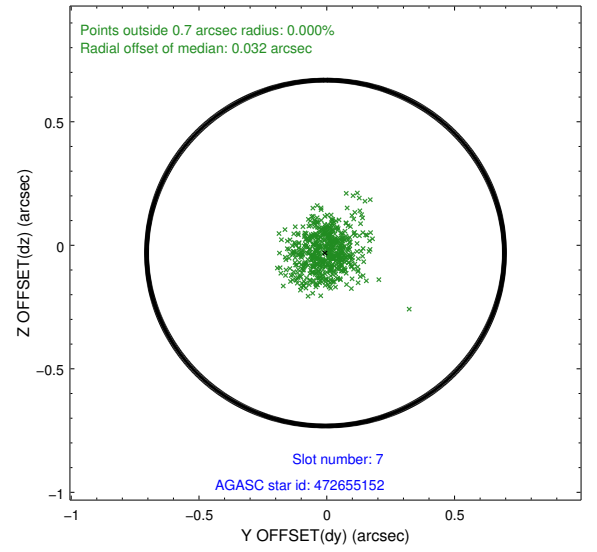
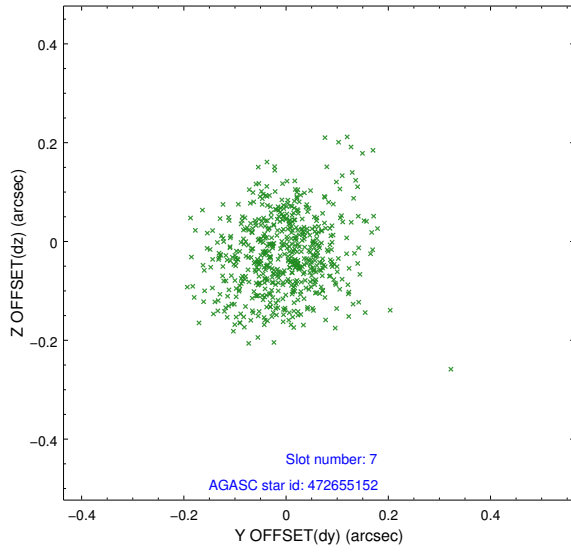
2.4.3 Slot 5



2.4.4 Slot 6

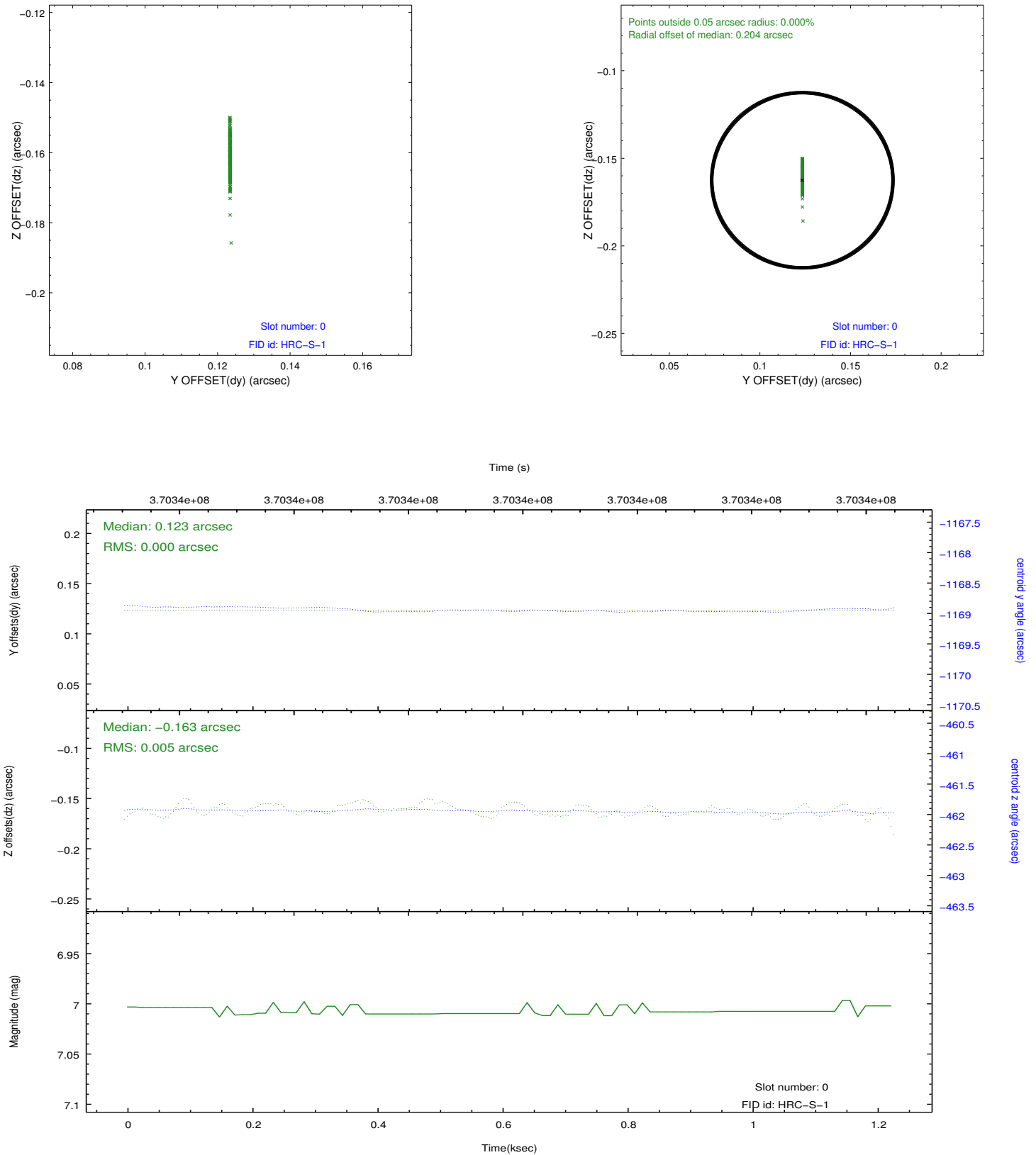


2.4.5 Slot 7

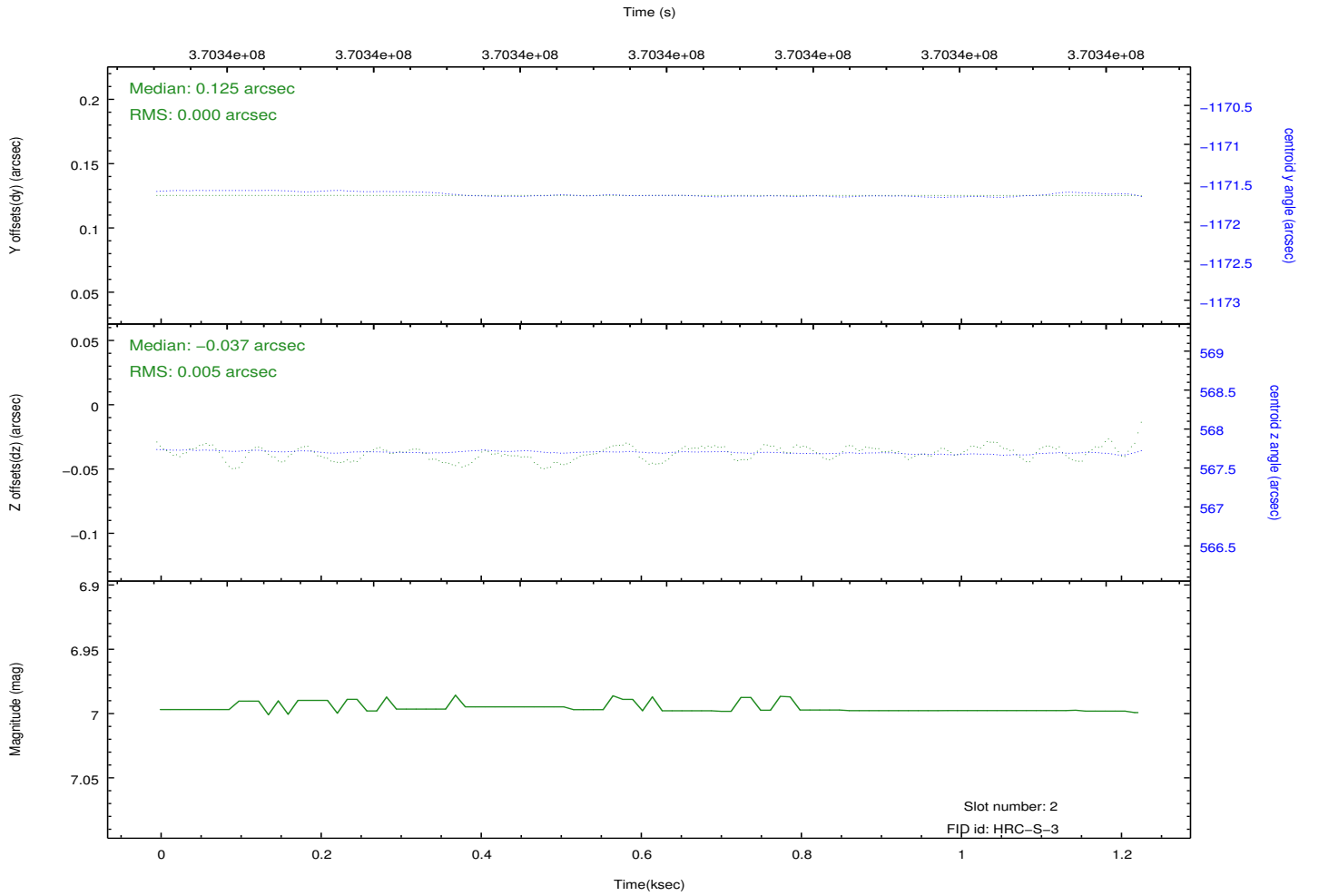
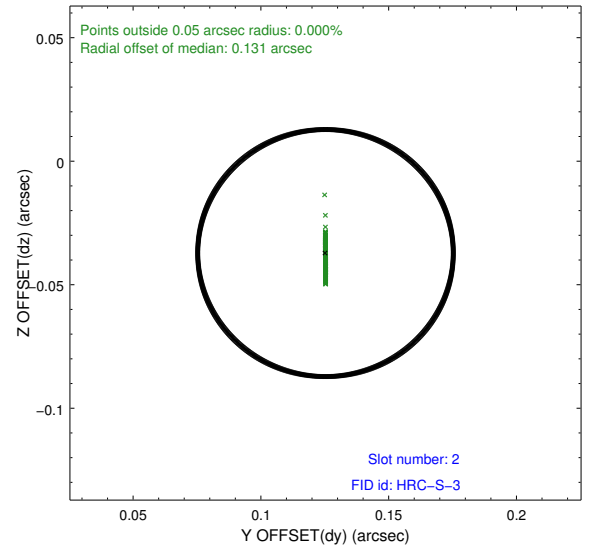
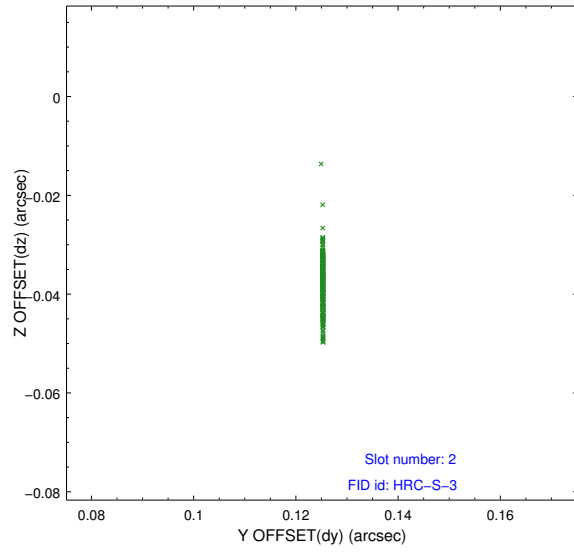


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1954063100815

A.2 Comments

The fid light in slot 1 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.