

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13082 - L2 Version 5
Chandra X-Ray Center

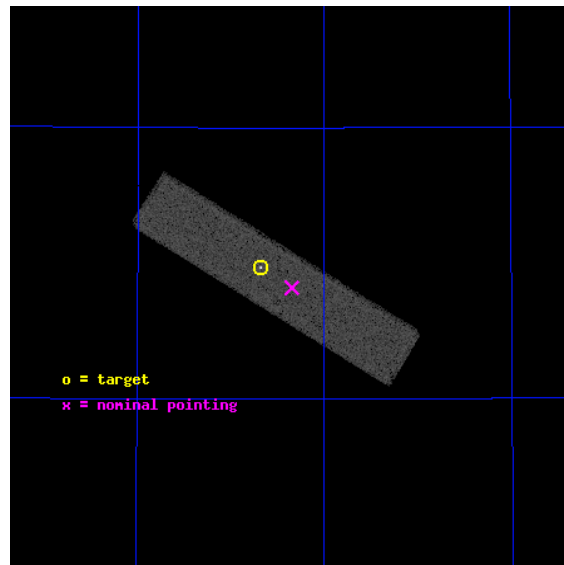
L2 Processing Date : Aug 9 2012

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1 Front

seq_num	291001	Sequence number
obs_id	13082	Observation id
title	AO-12 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	332.08617270771	Nominal RA [deg]
dec_nom	45.705126764187	Nominal Dec [deg]
roll_nom	211.59964660439	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1151.3313102126	[s]
livetime	1143.2949836869	Ontime multiplied by DTCOR
l2events	59894	Number of level 2 events

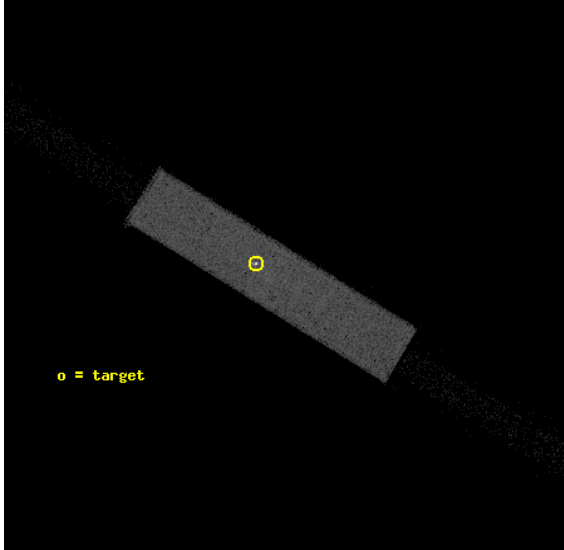


2 OBI

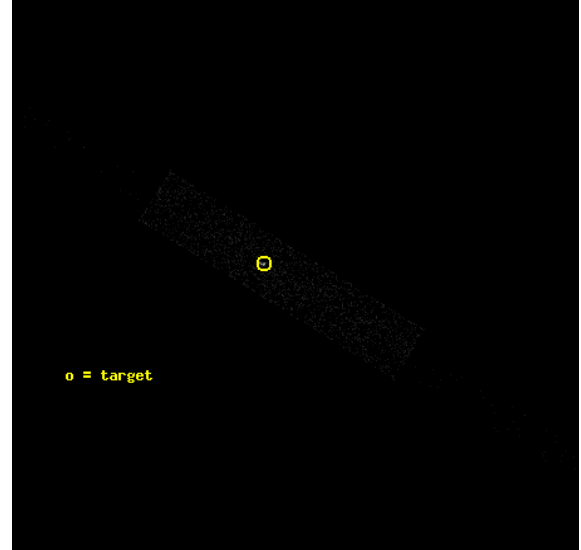
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1151.3313102126	[s]
caldbver	4.5.1.1	 	l1events	93398	Number of level 1 events
date	2012-08-10T02:41:35	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

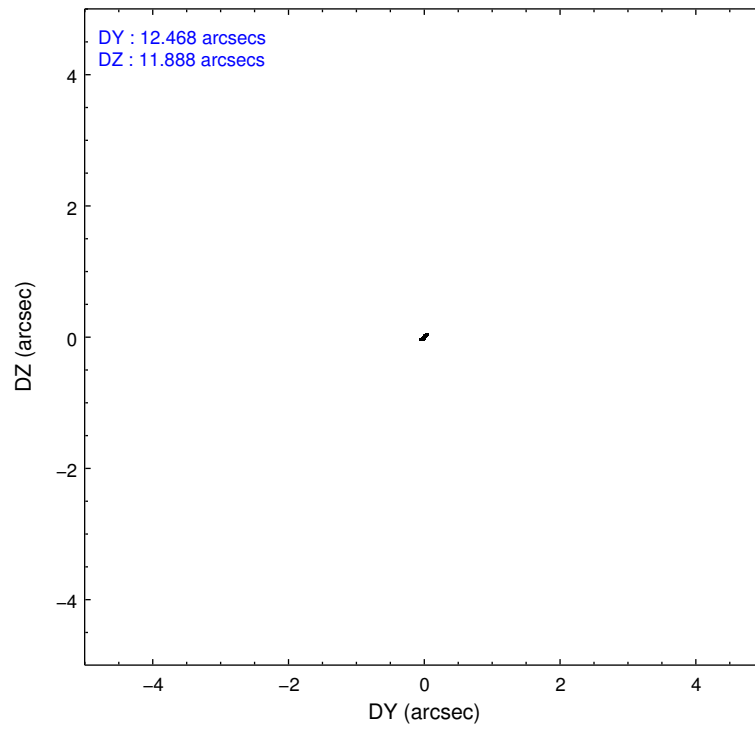
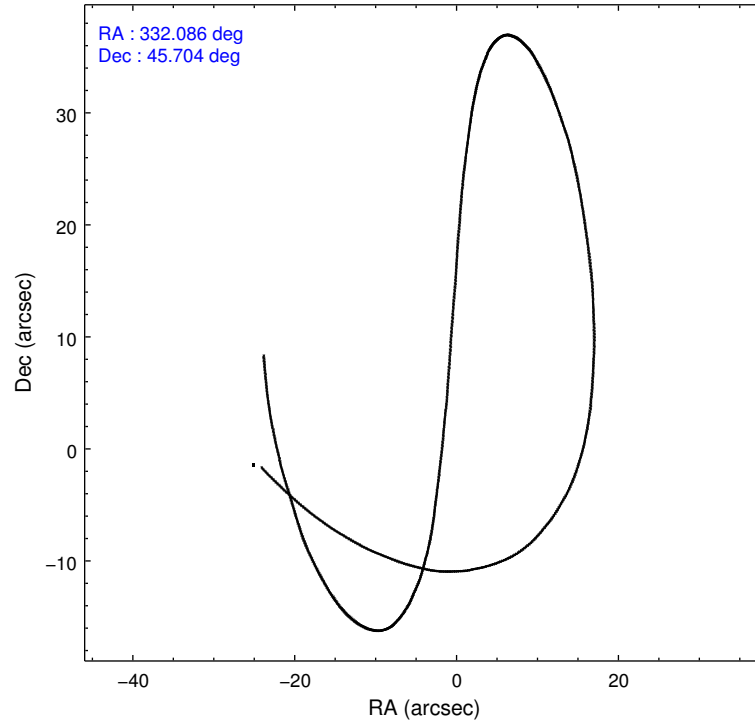
	segment 1	segment 2	segment 3
level 1 events	773	91838	787
rejected events	773	21332	787
rejected %	100%	23%	100%

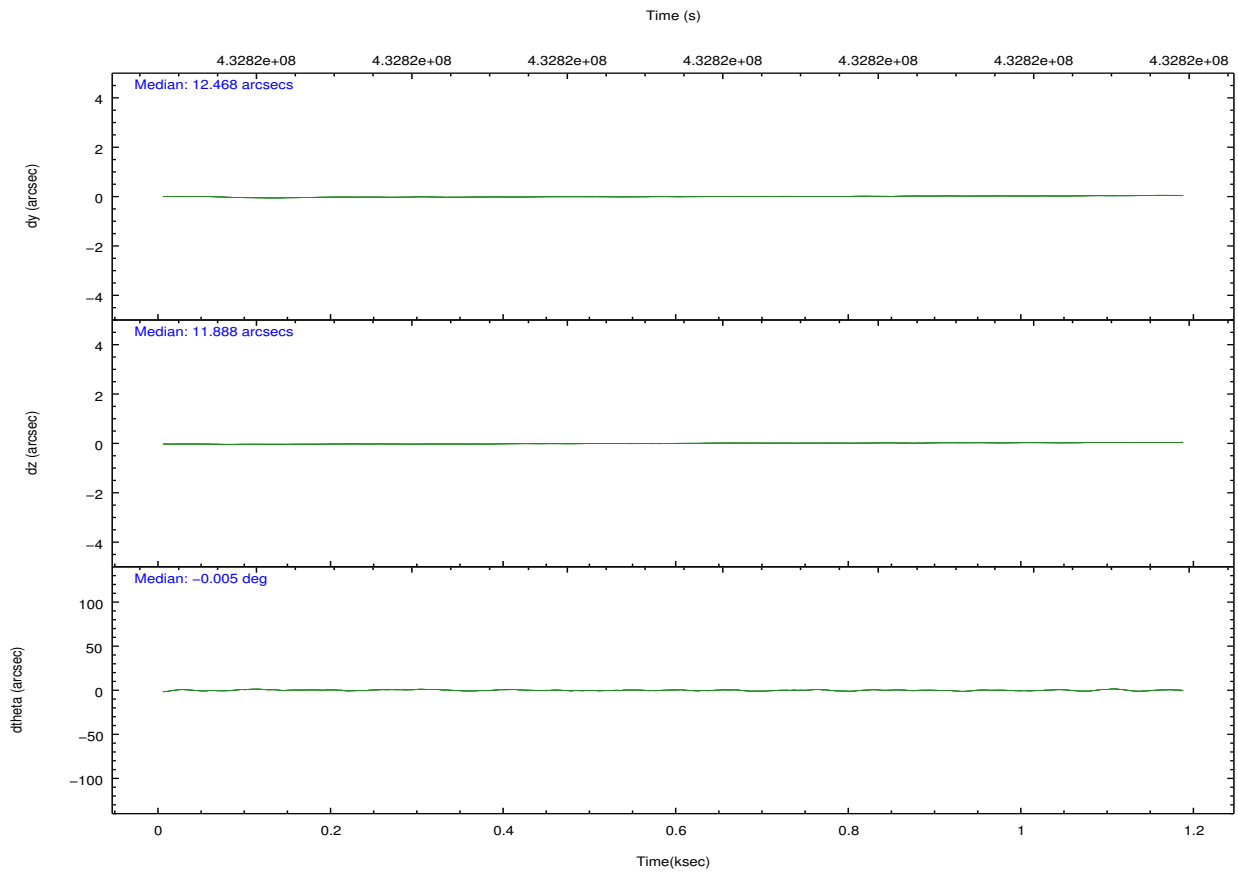
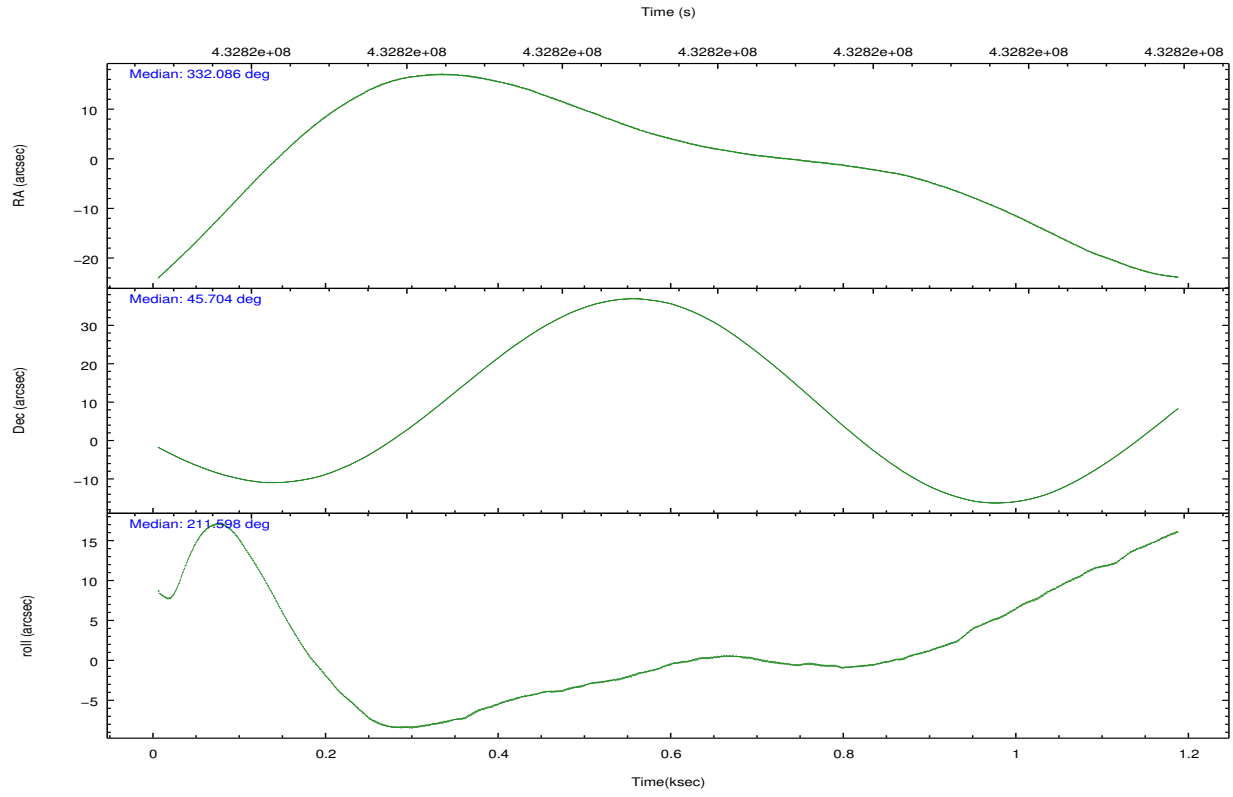
2.2 Compared Parameters

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	332.103495	332.0861727077071
[deg] Pointing Dec	45.732243	45.70512676418694
[deg] Pointing Roll	211.519888	211.5996466043873
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	432823132.184000	432822755.92546
Observation start date	2011-09-19T12:37:46	2011-09-19T12:32:35
[s] Observation end time (MET)	432824132.184000	432824265.75054
Observation end date	2011-09-19T12:54:26	2011-09-19T12:57:45

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

2.3 Aspect



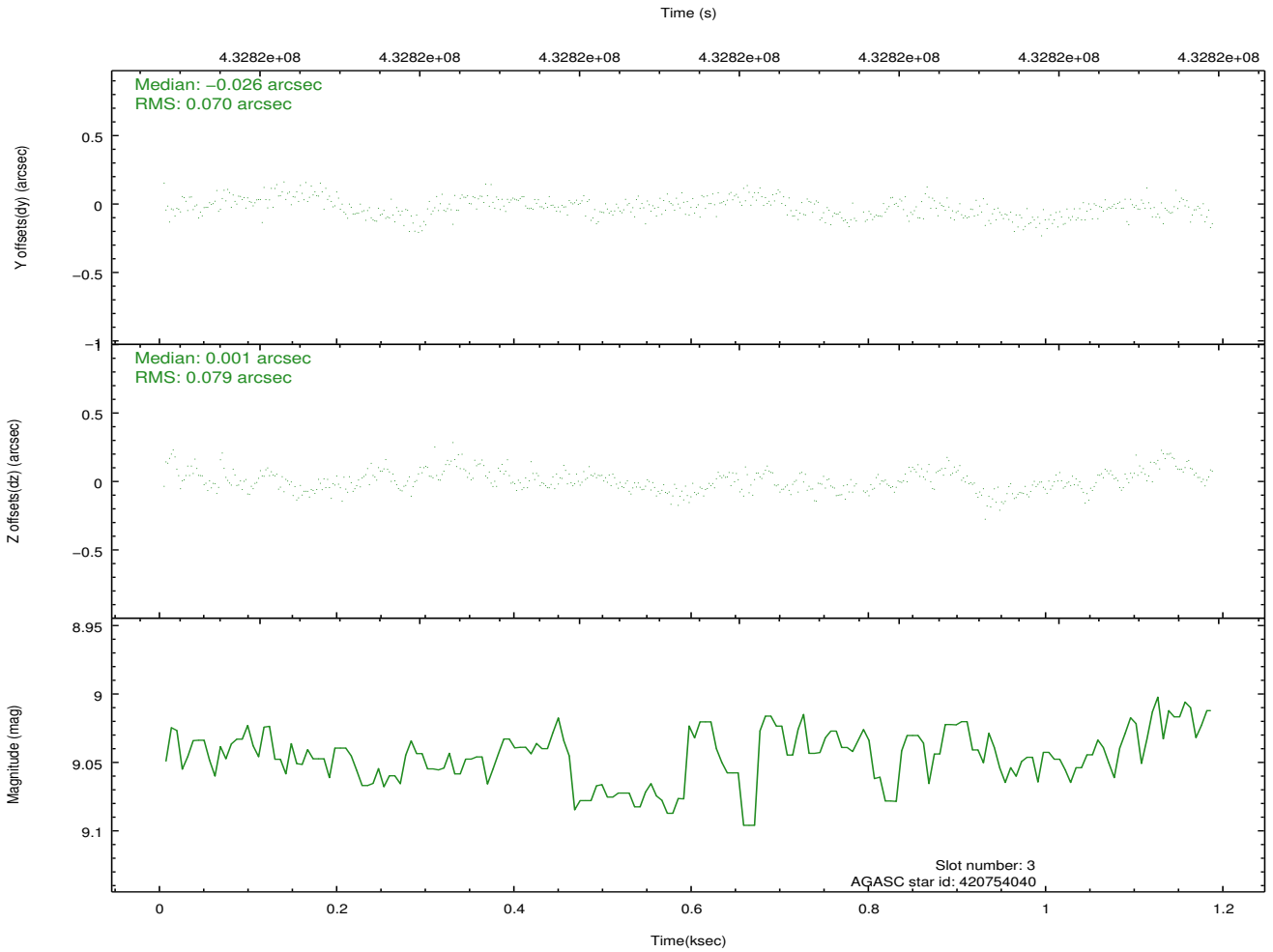
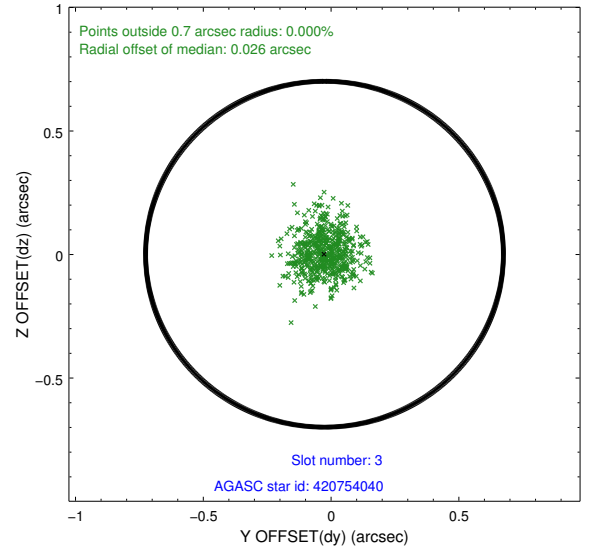
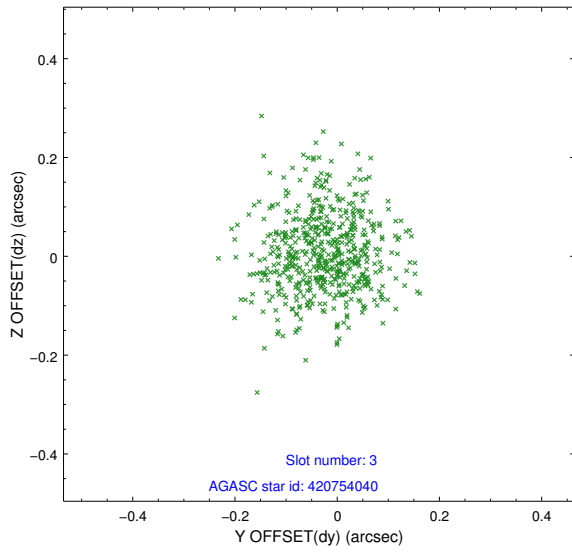


Slot Statistics

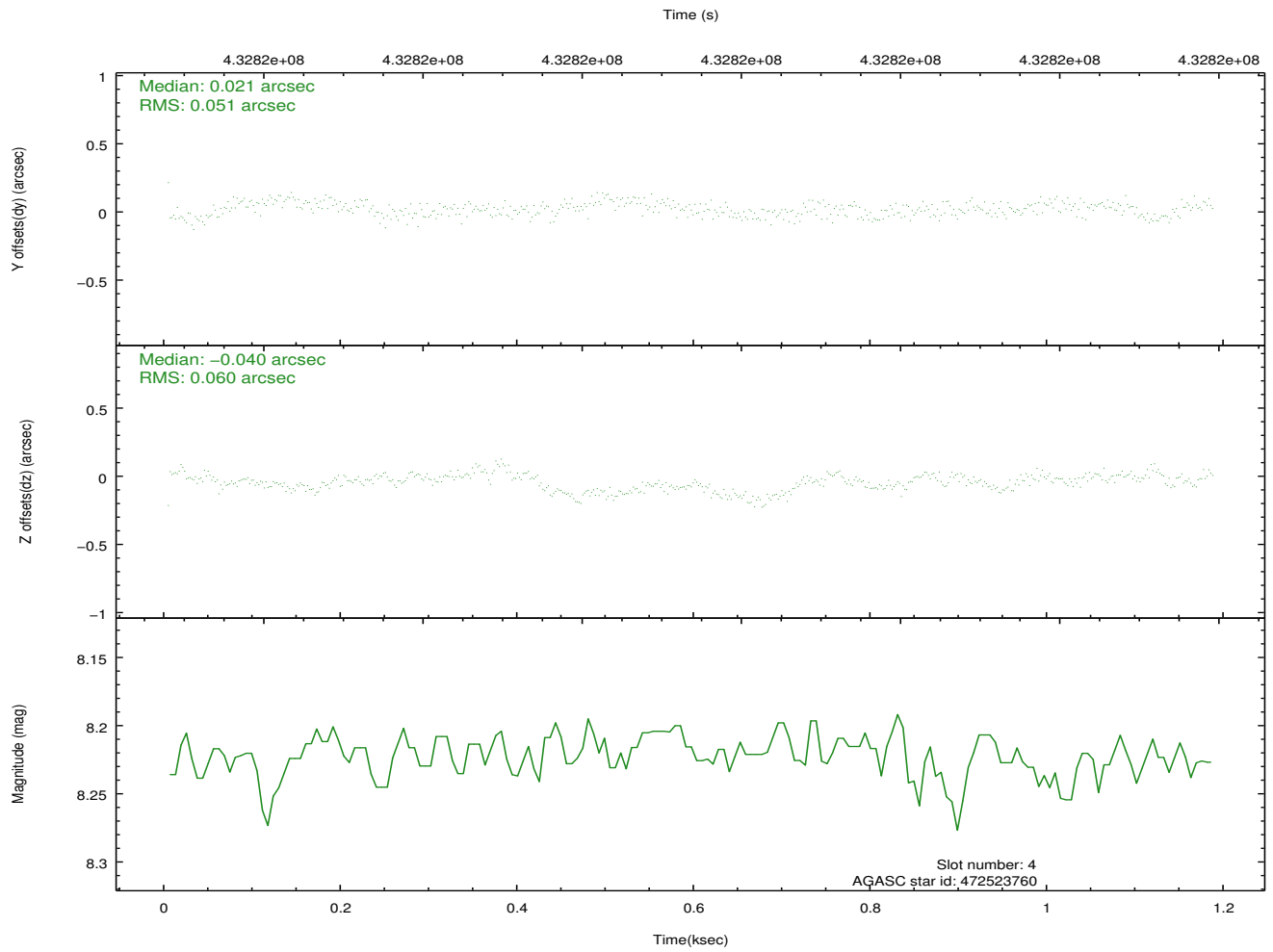
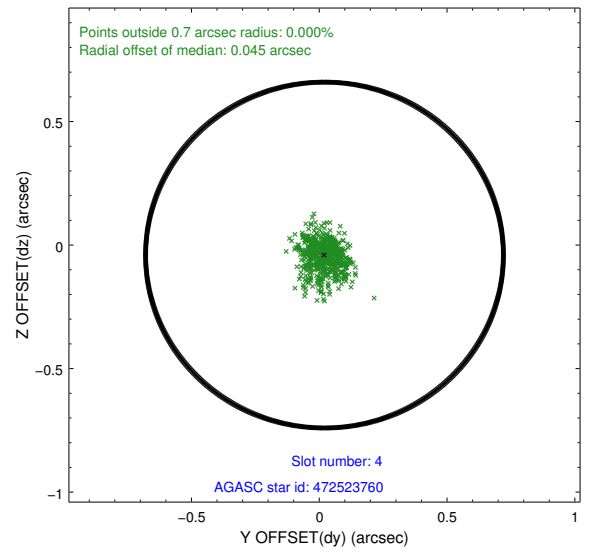
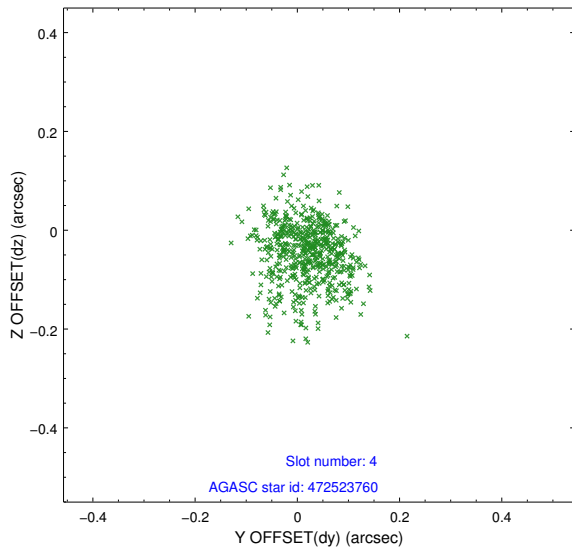
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	289	0.241	-0.145	0.004	0.008	0.000000	0.000000	1233.03	-453.18
1	FID	HRC-S-3	6.99	289	0.026	-0.053	0.004	0.008	0.000000	0.000000	-1165.32	567.44
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	420754040	9.04	575	-0.026	0.001	0.112	0.182	331.917939	44.882543	1999.98	2356.10
4	GUIDE	472523760	8.22	578	0.021	-0.040	0.082	0.141	331.645363	45.403260	1607.11	401.43
5	GUIDE	472533912	9.15	578	0.041	0.260	0.129	0.209	331.791136	46.368695	-535.39	-2363.22
6	GUIDE	472651904	6.46	578	-0.096	-0.203	0.095	0.150	332.170077	45.742257	-163.34	47.53
7	GUIDE	472655152	9.40	577	0.055	-0.009	0.174	0.349	332.504239	45.862991	-1105.09	117.96

2.4 Star Slots

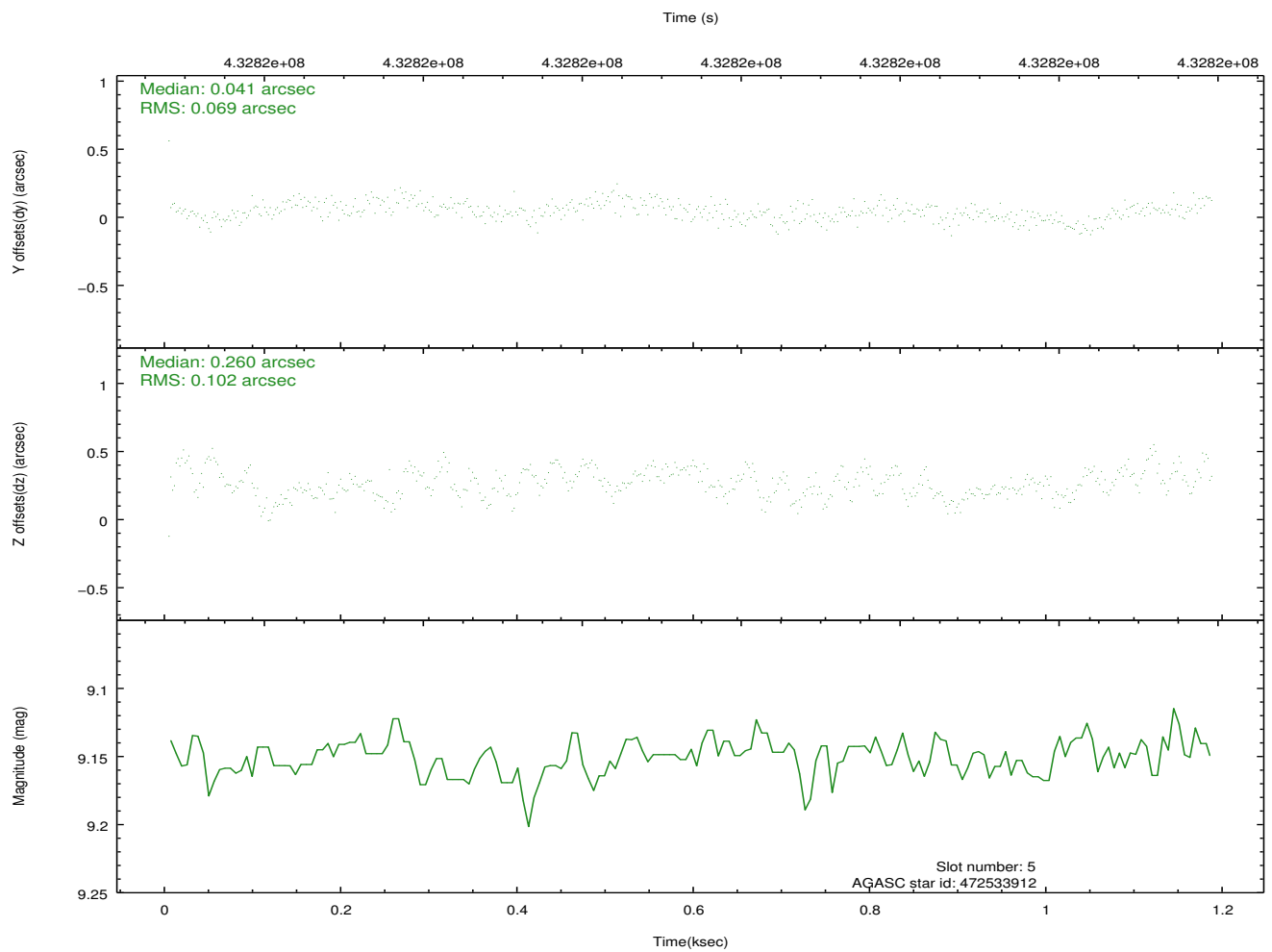
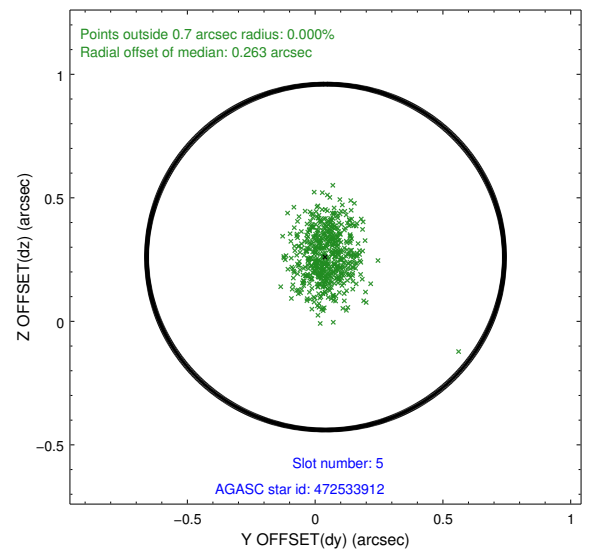
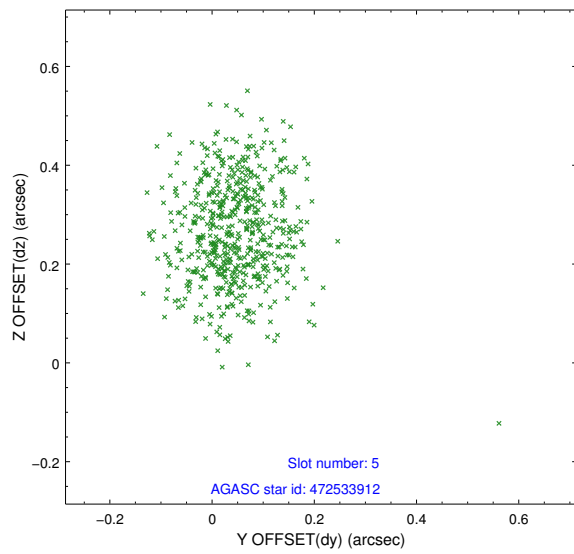
2.4.1 Slot 3



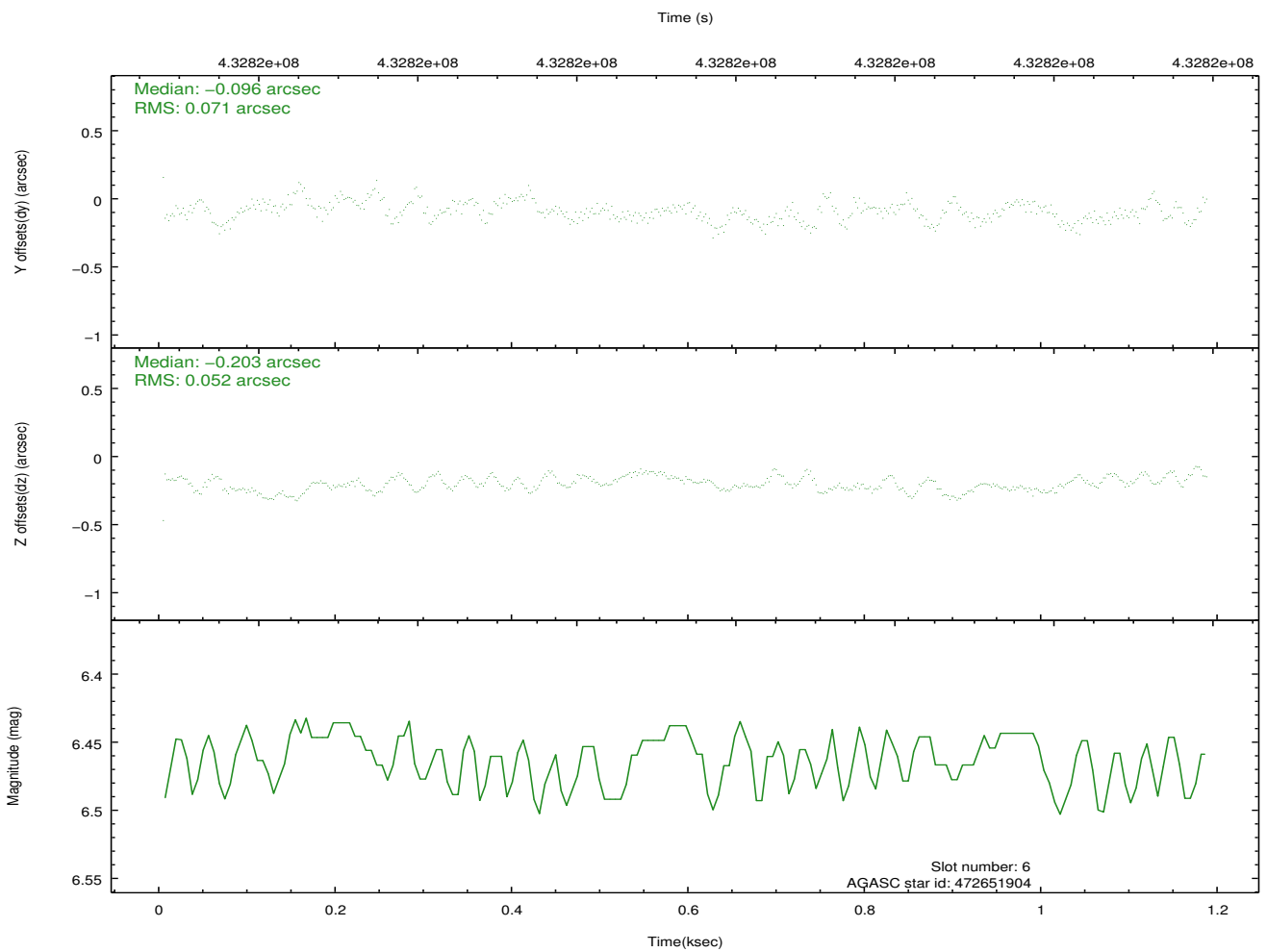
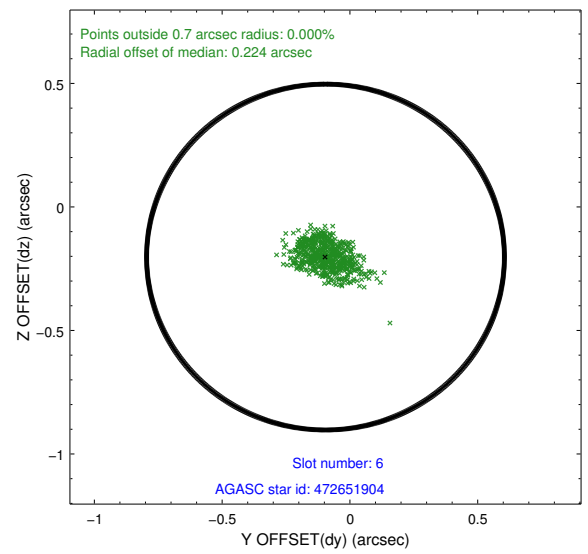
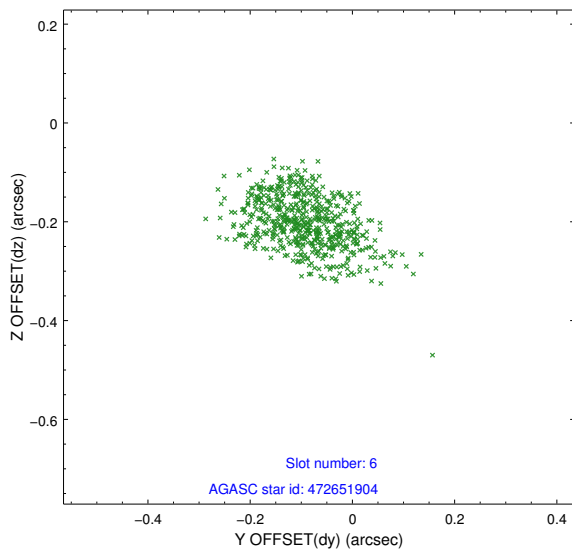
2.4.2 Slot 4



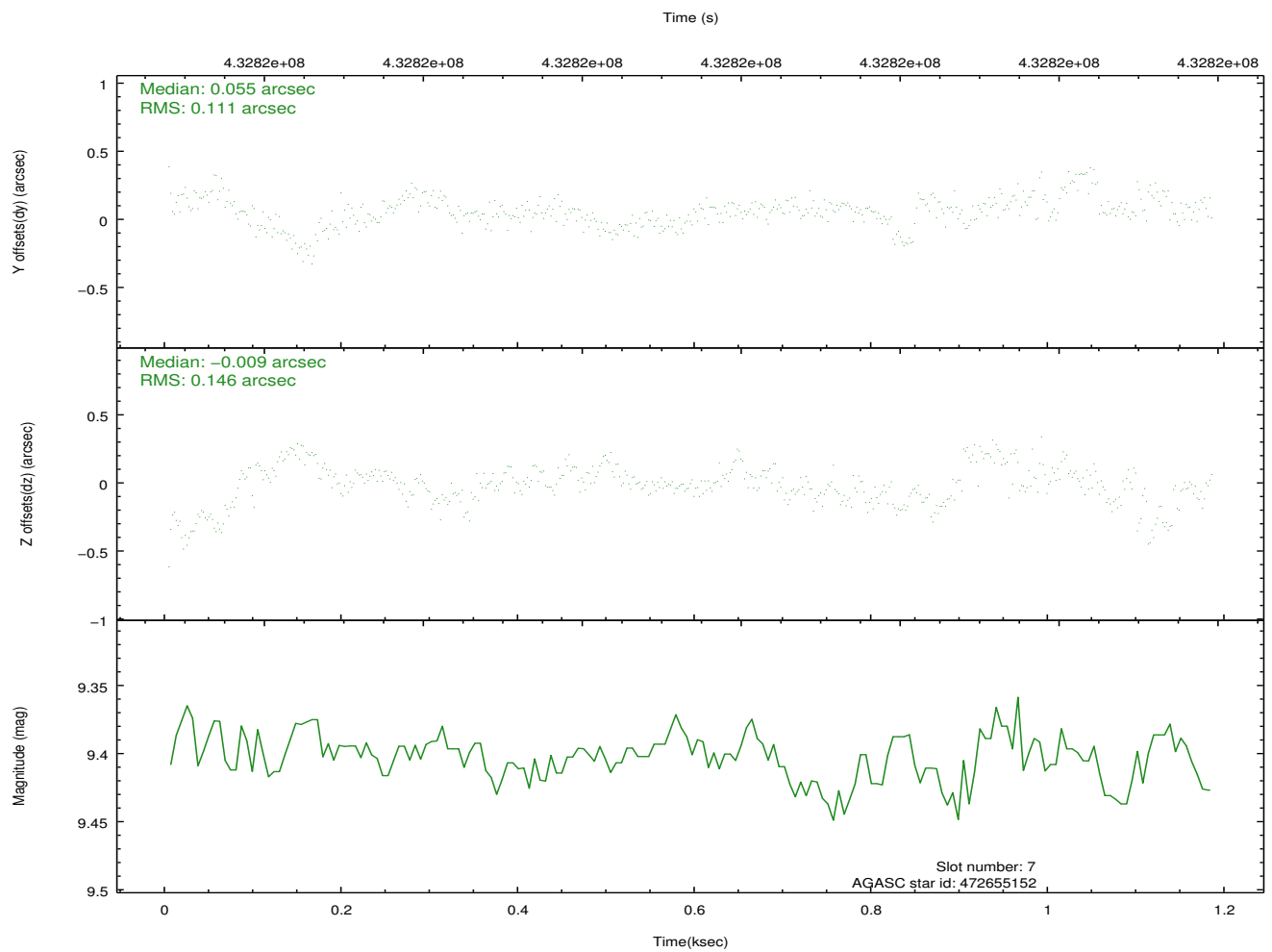
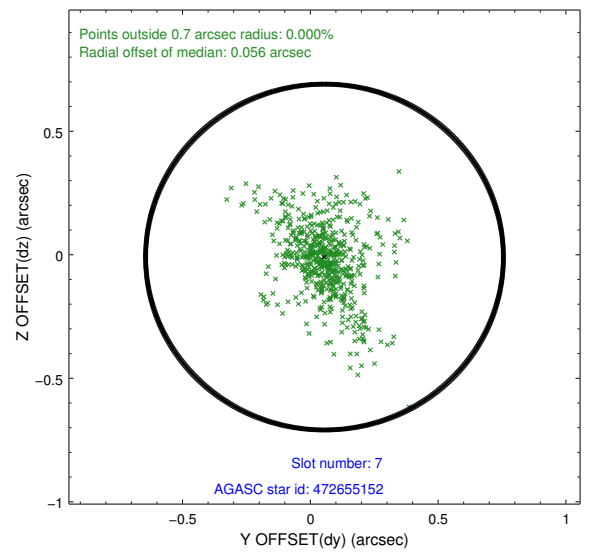
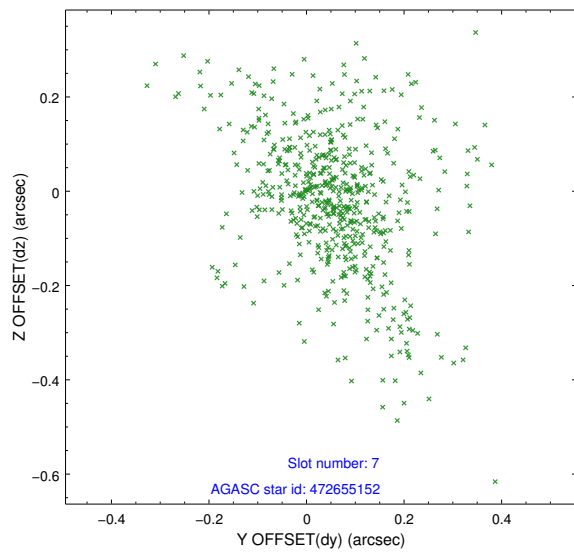
2.4.3 Slot 5



2.4.4 Slot 6

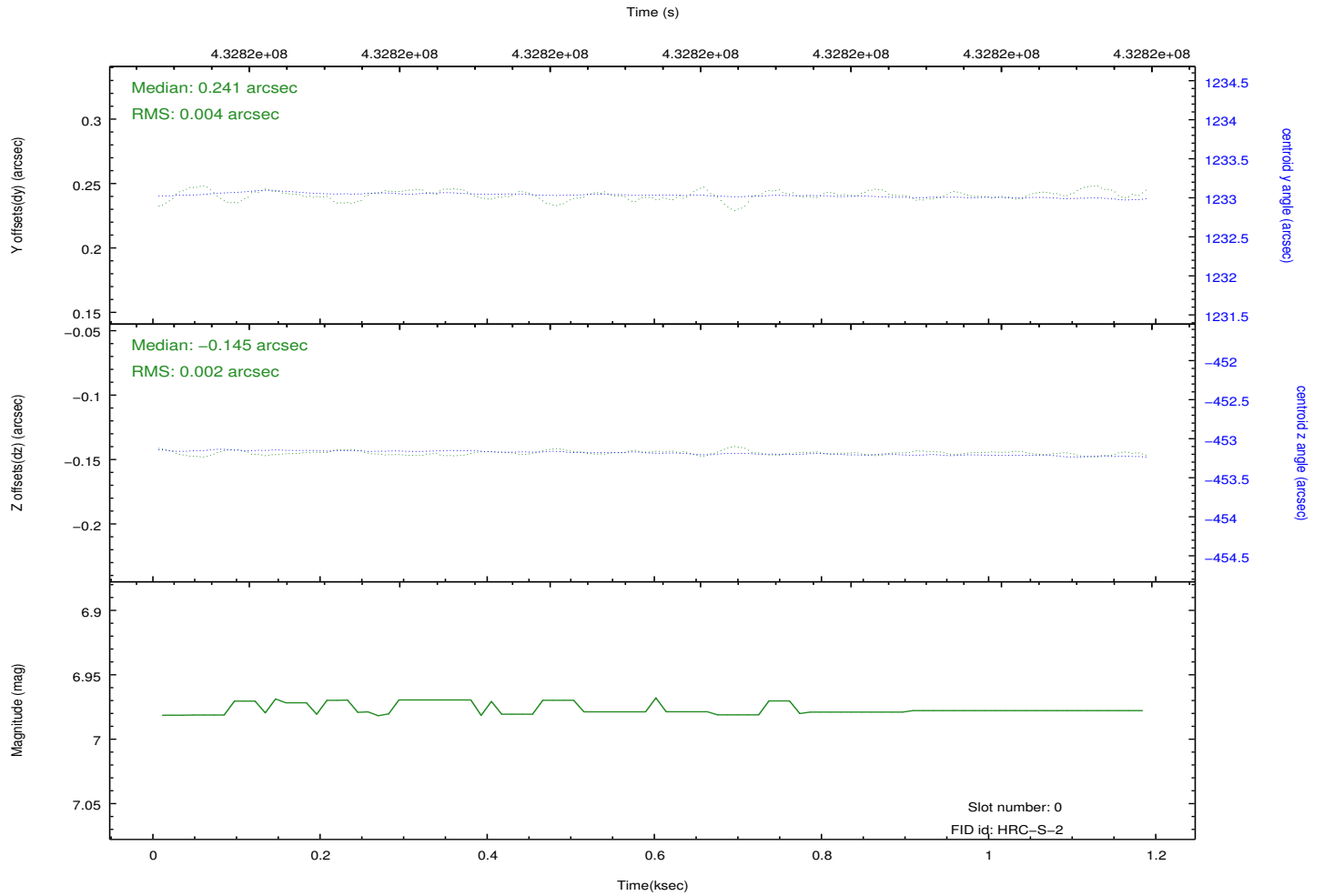
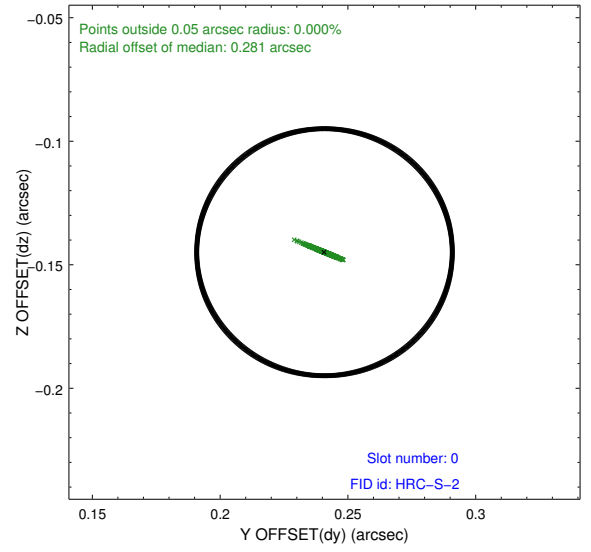
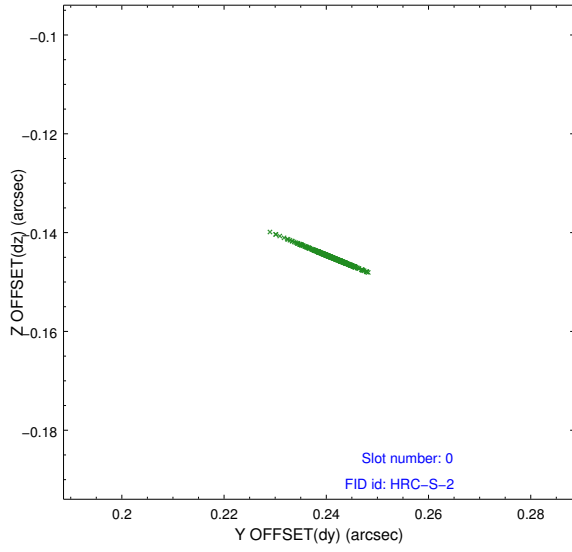


2.4.5 Slot 7

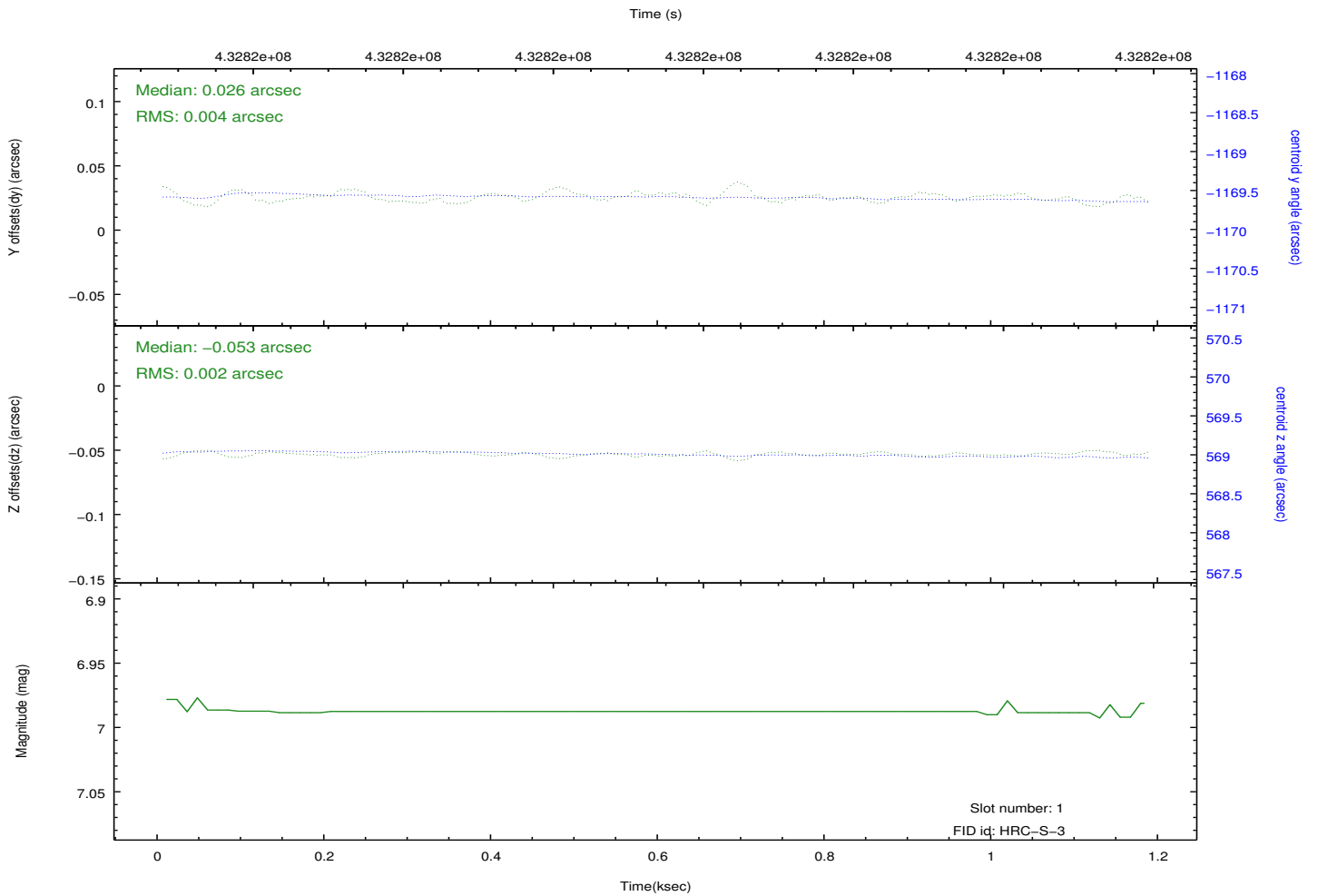
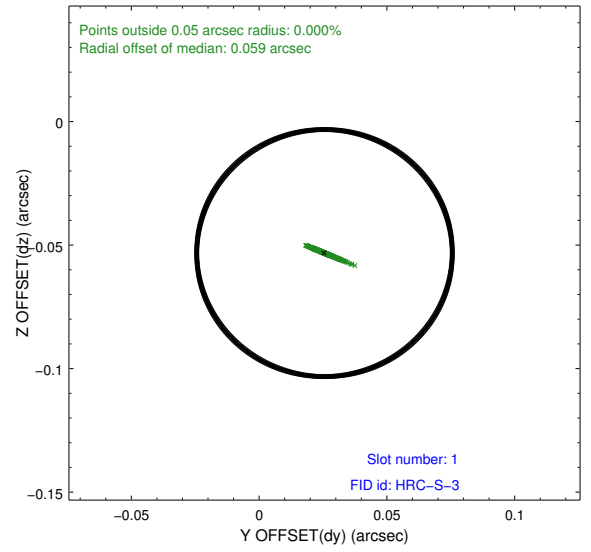
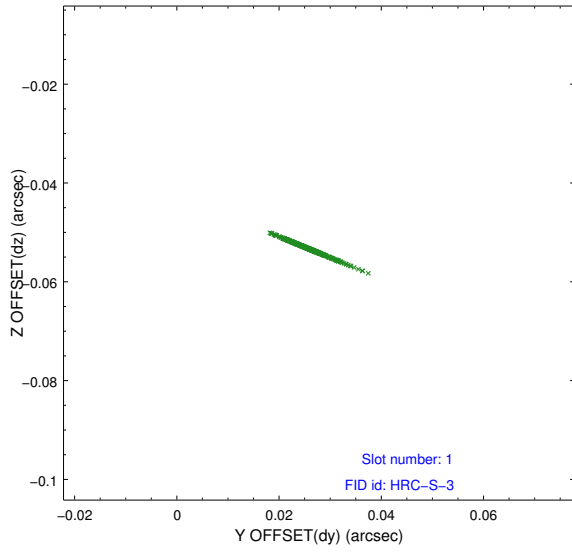


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313103914

A.2 Comments

The fid light in slot 2 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.