

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6009 - L2 Version 3
Chandra X-Ray Center

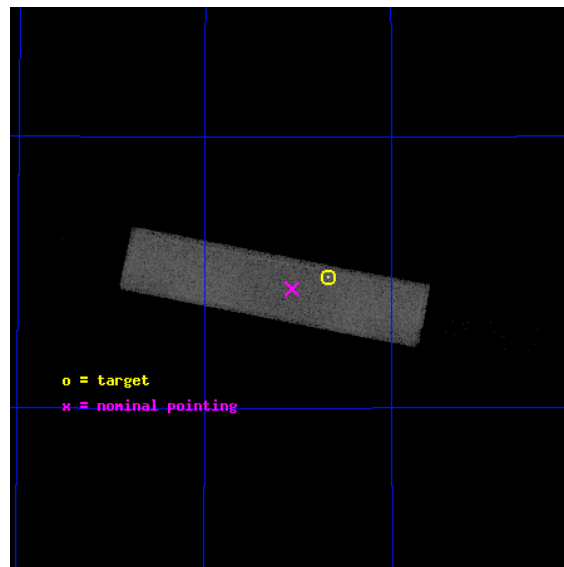
L2 Processing Date : Dec 28 2012

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1 Front

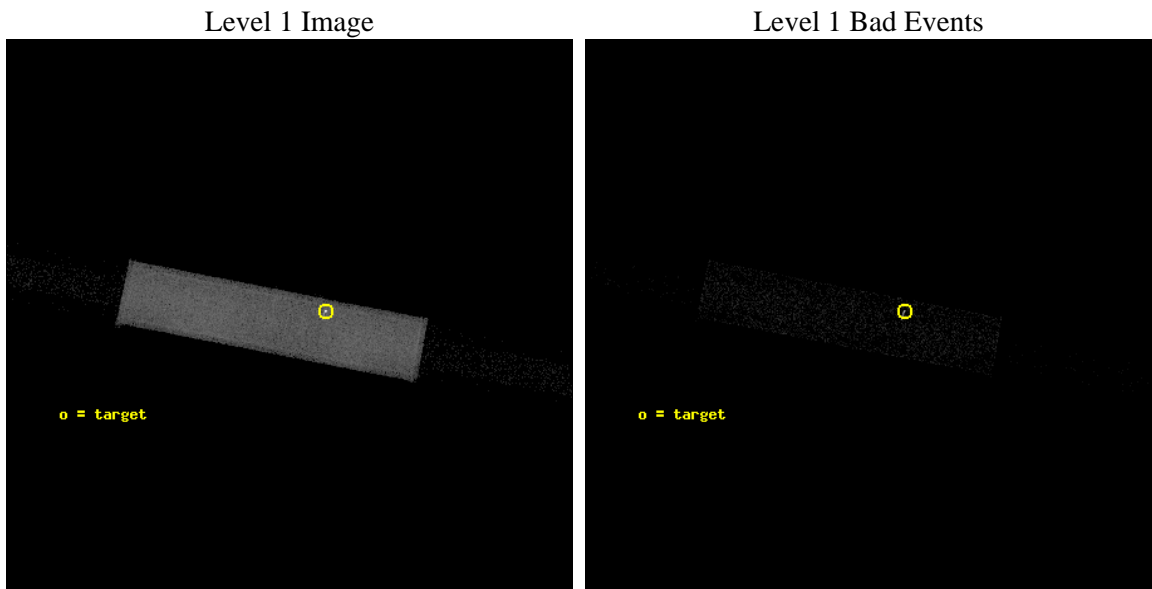
seq_num	290501	Sequence number
obs_id	6009	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26695784725	Nominal RA [deg]
dec_nom	45.720907015562	Nominal Dec [deg]
roll_nom	190.93737607415	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.0750528872	[s]
livetime	1138.9305864127	Ontime multiplied by DTCOR
l2events	89948	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	1151.0750528872	[s]
caldsver	4.5.5	 	l1events	129895	Number of level 1 events
date	2012-12-28T18:50:04	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

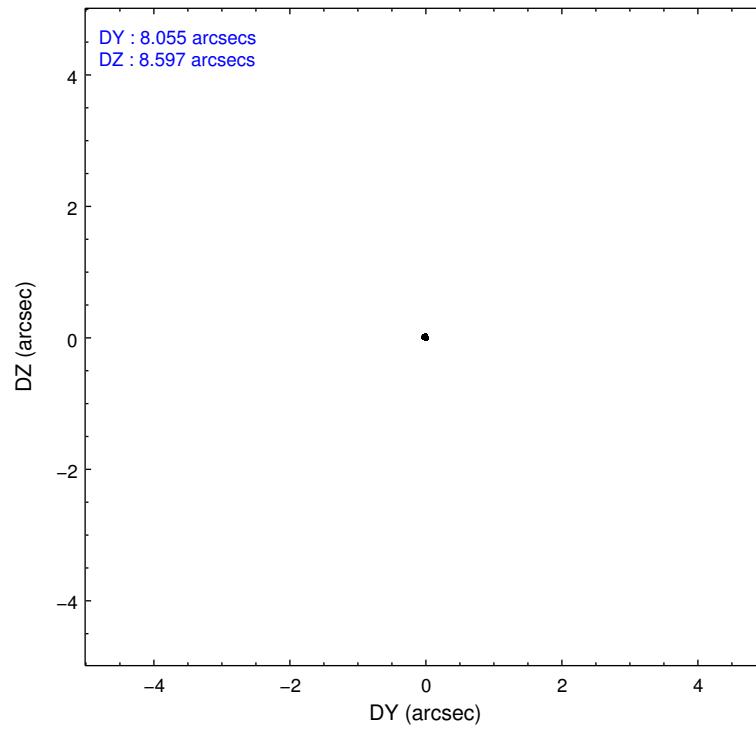
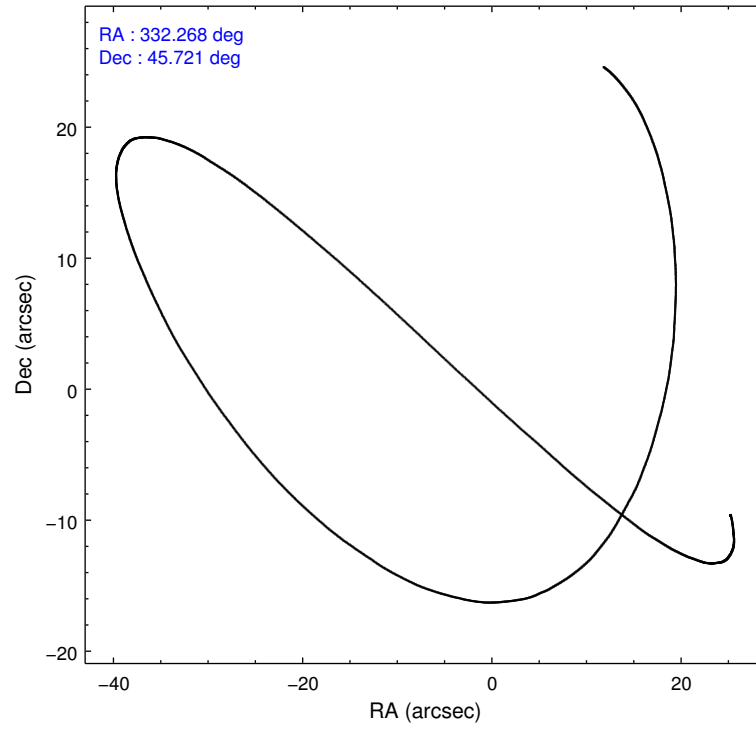
Level 1 Events

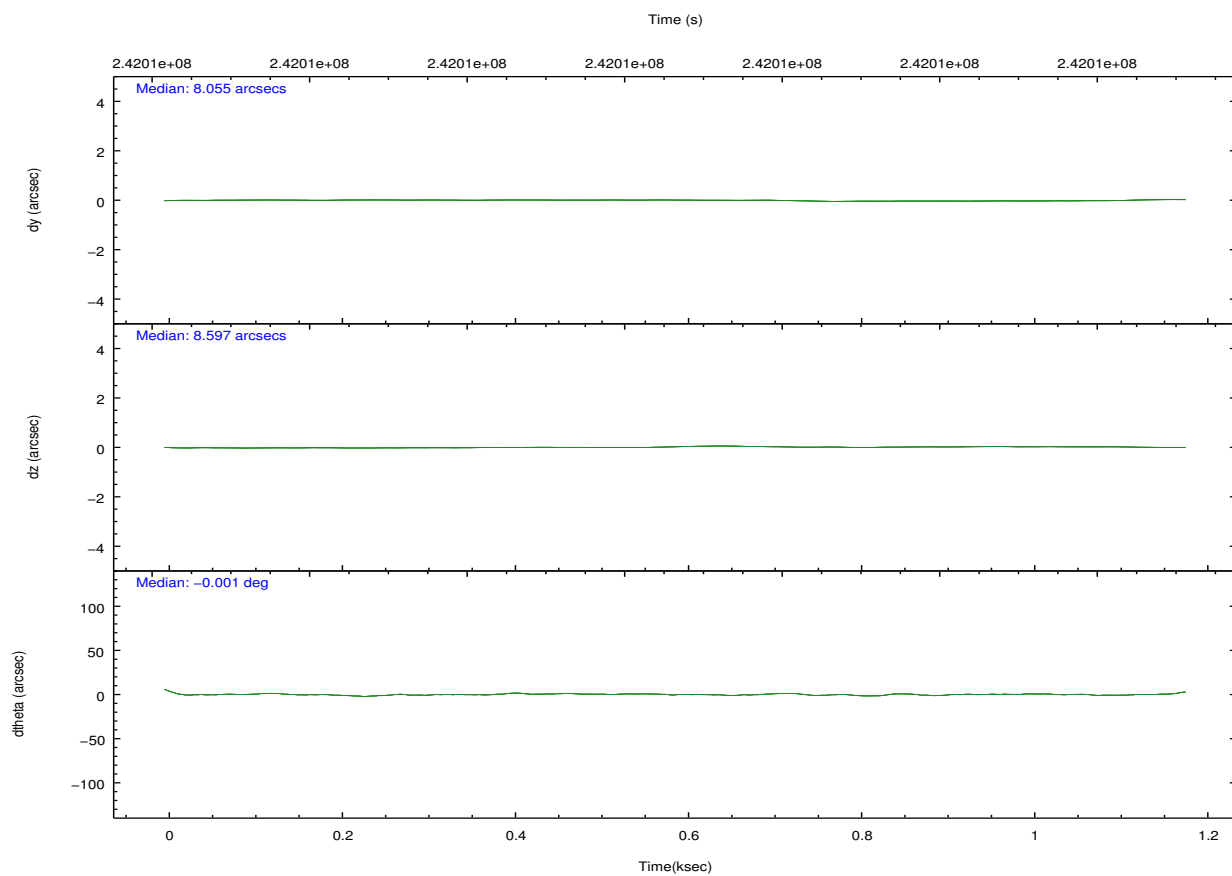
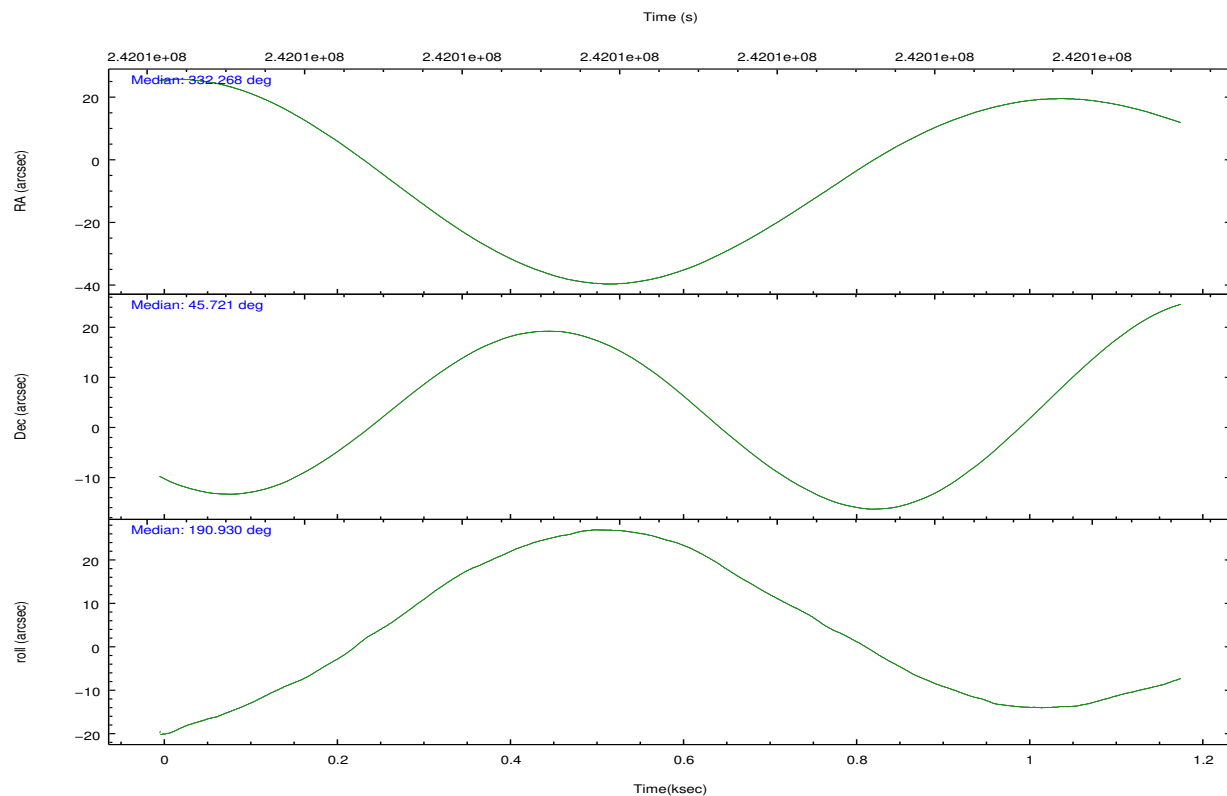
	segment 1	segment 2	segment 3
level 1 events	1148	127664	1083
rejected events	1143	25085	1033
rejected %	99%	19%	95%

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	332.295793	332.2669578472502			
[deg] Pointing Dec	45.741219	45.72090701556179			
[deg] Pointing Roll	190.849372	190.9373760741492			
[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)	242011854.184000	242011478.25906			
Observation start date	2005-09-02T01:29:50	2005-09-02T01:24:38			
[s] Observation end time (MET)	242012854.184000	242012988.08413			
Observation end date	2005-09-02T01:46:30	2005-09-02T01:49:48			

2.3 Aspect



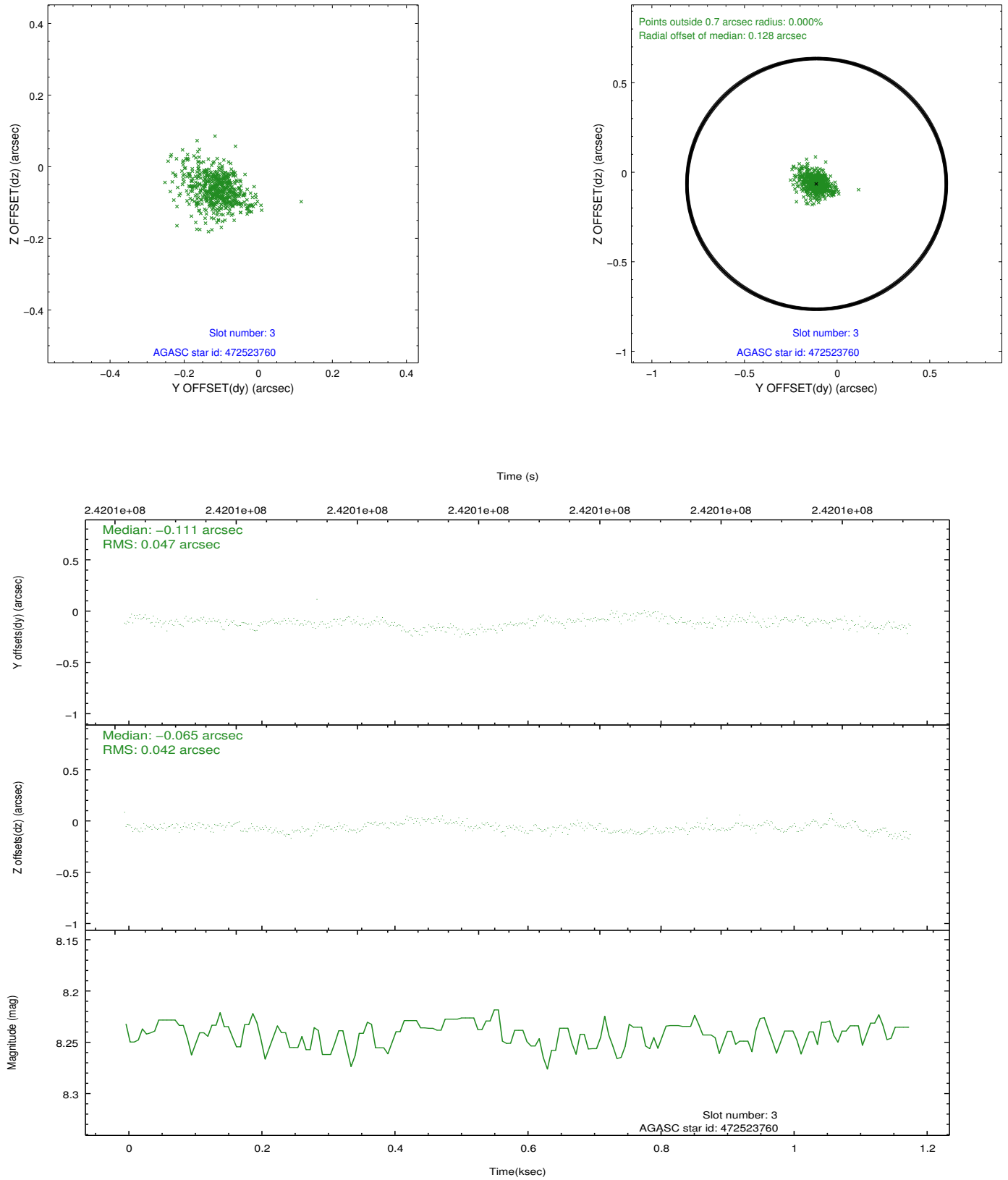


Slot Statistics

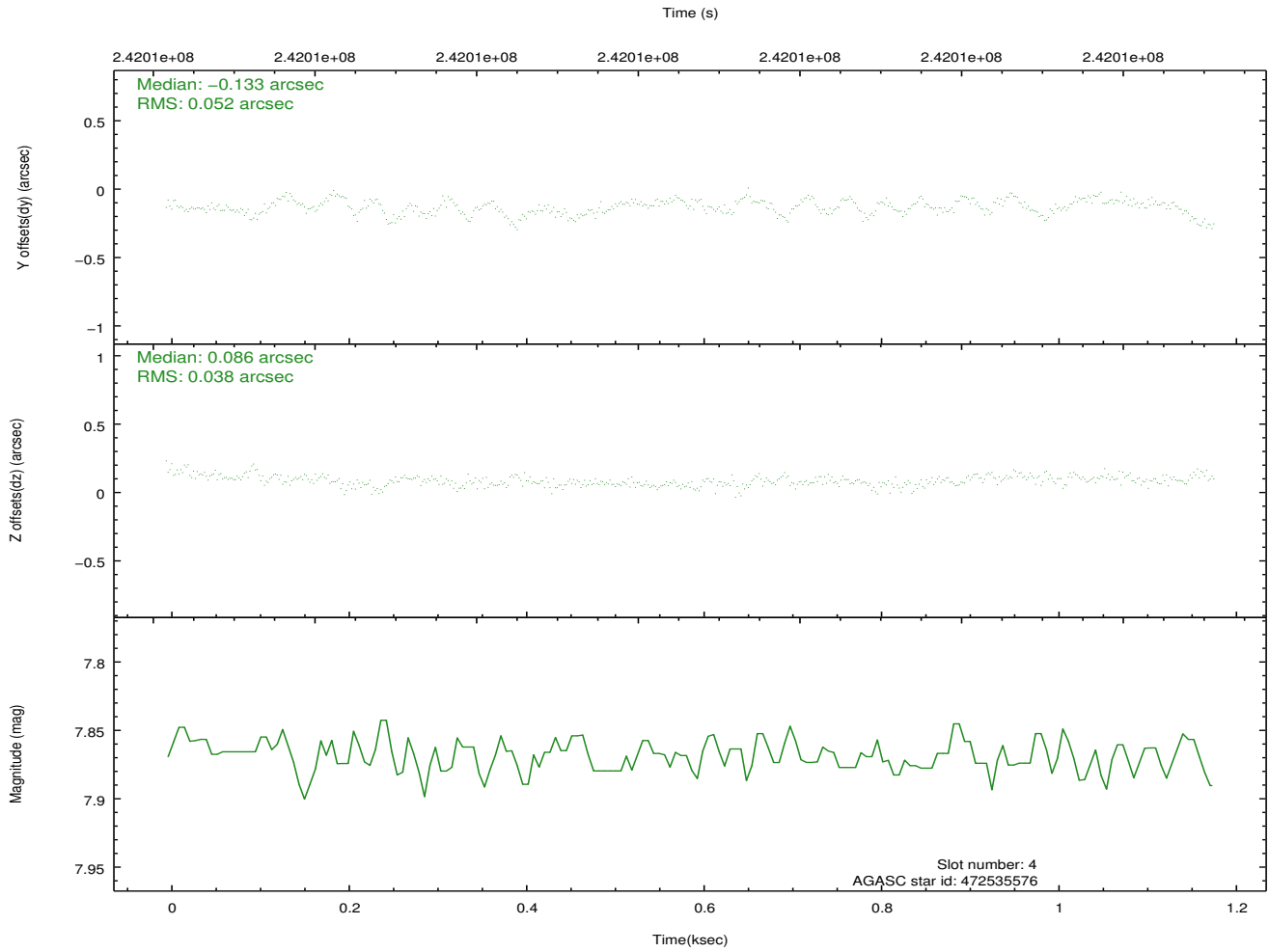
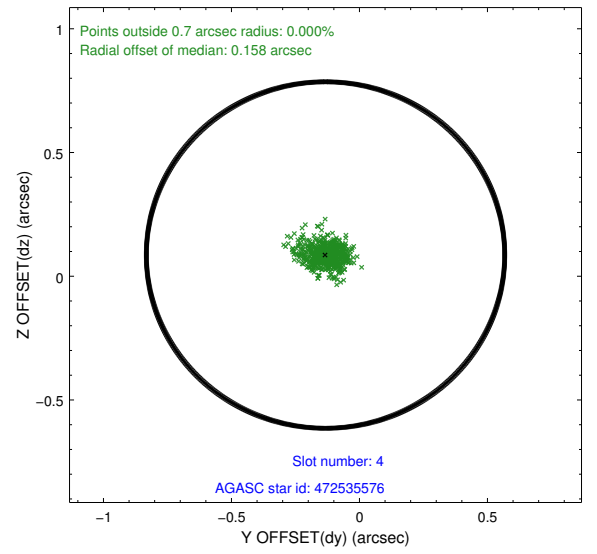
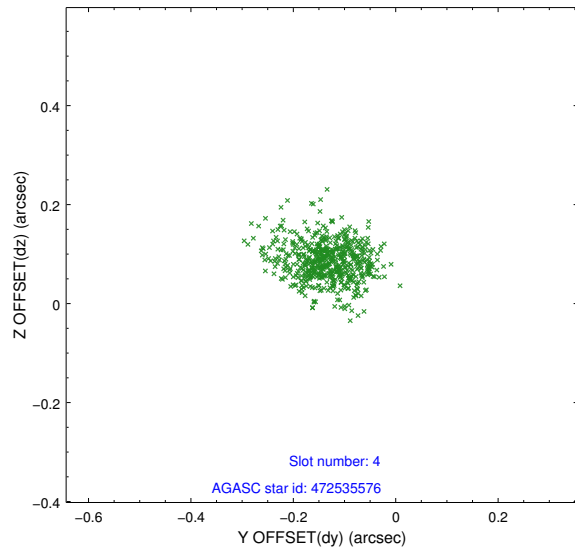
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.03	288	0.126	-0.098	0.008	0.015	0.000000	0.000000	1237.43	-449.87
1	FID	HRC-S-3	7.04	289	0.051	-0.102	0.004	0.010	0.000000	0.000000	-1160.73	570.82
2	FID	HRC-S-4	7.02	288	0.228	-0.095	0.008	0.017	0.000000	0.000000	1232.12	576.85
3	GUIDE	472523760	8.24	577	-0.111	-0.065	0.064	0.119	331.645363	45.403260	1844.19	877.13
4	GUIDE	472535576	7.87	577	-0.133	0.086	0.069	0.117	331.438373	46.291802	1724.85	-2359.61
5	GUIDE	472655152	9.45	574	0.148	-0.011	0.129	0.227	332.504239	45.862991	-590.67	-339.02
6	GUIDE	472665256	9.00	577	0.133	-0.017	0.084	0.136	332.808125	46.195041	-1560.98	-1371.05
7	GUIDE	472533912	9.16	576	-0.037	0.023	0.131	0.215	331.791136	46.368695	804.76	-2462.68

2.4 Star Slots

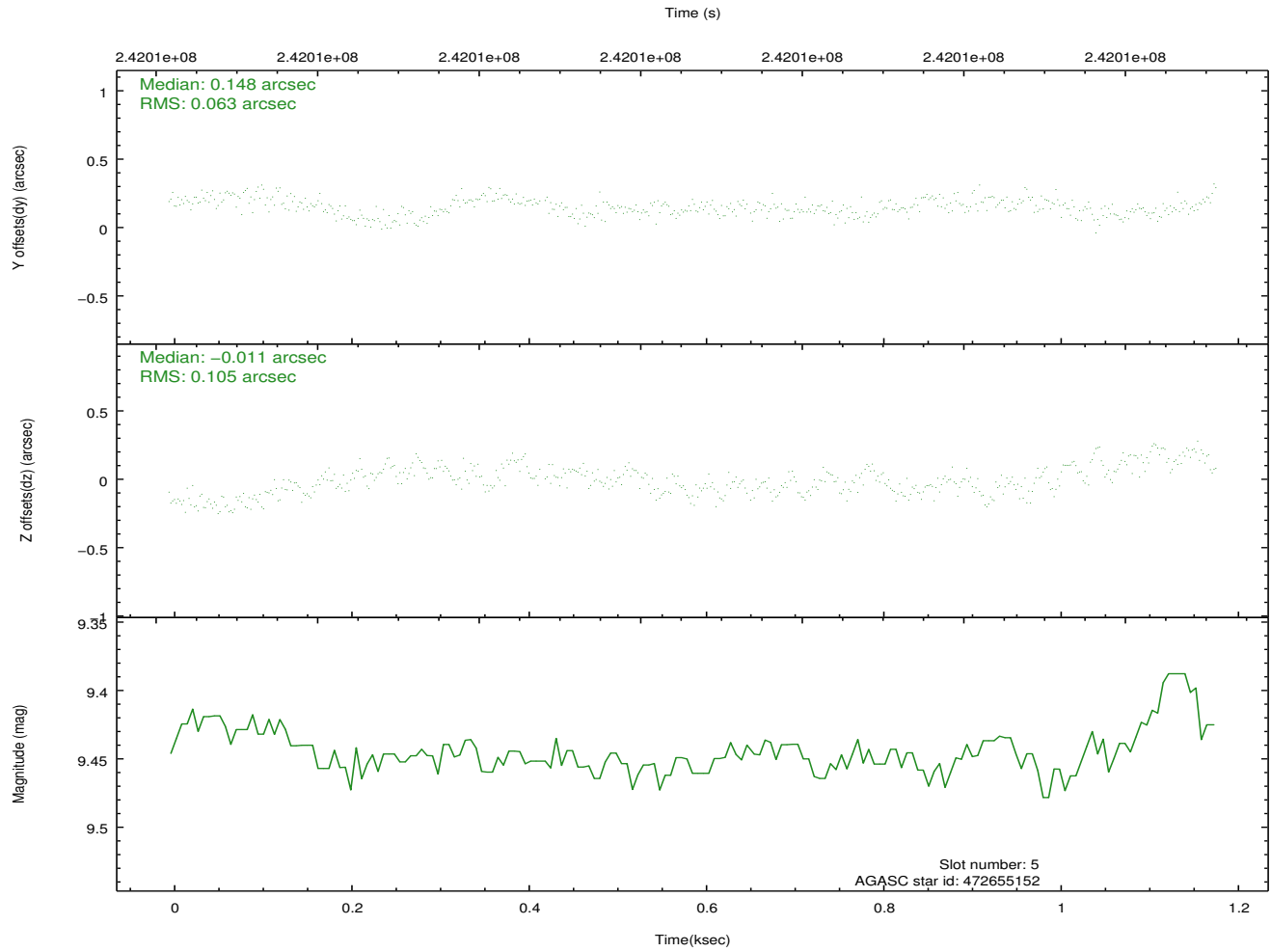
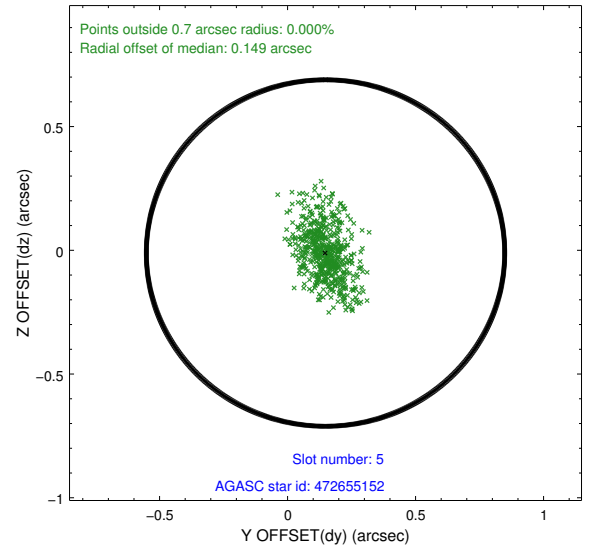
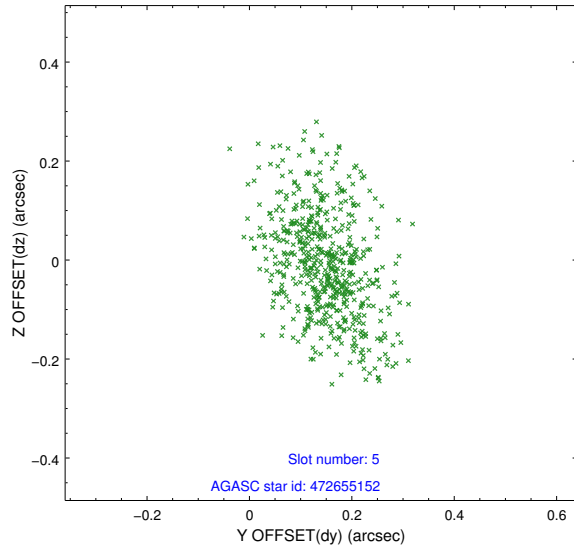
2.4.1 Slot 3



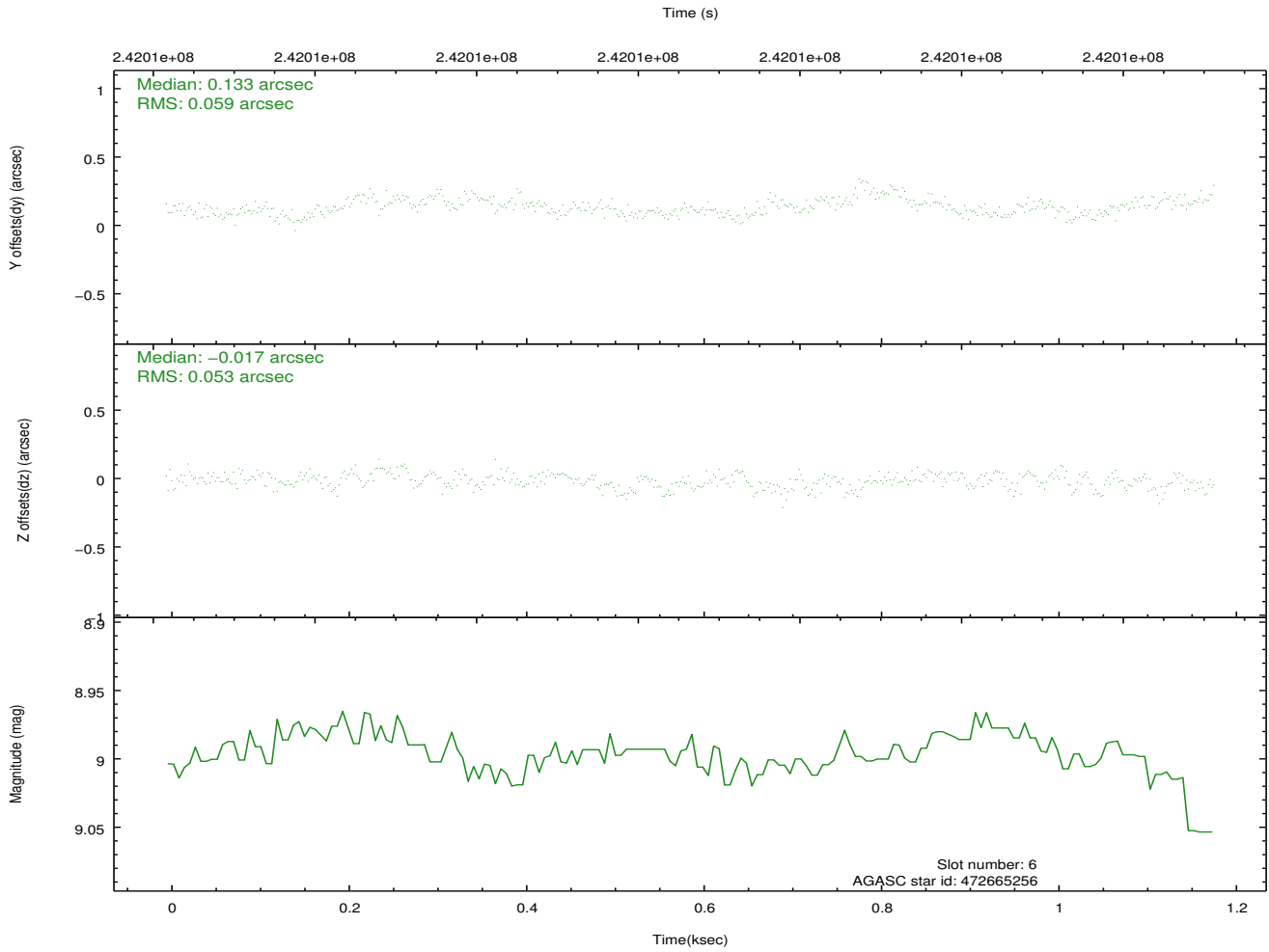
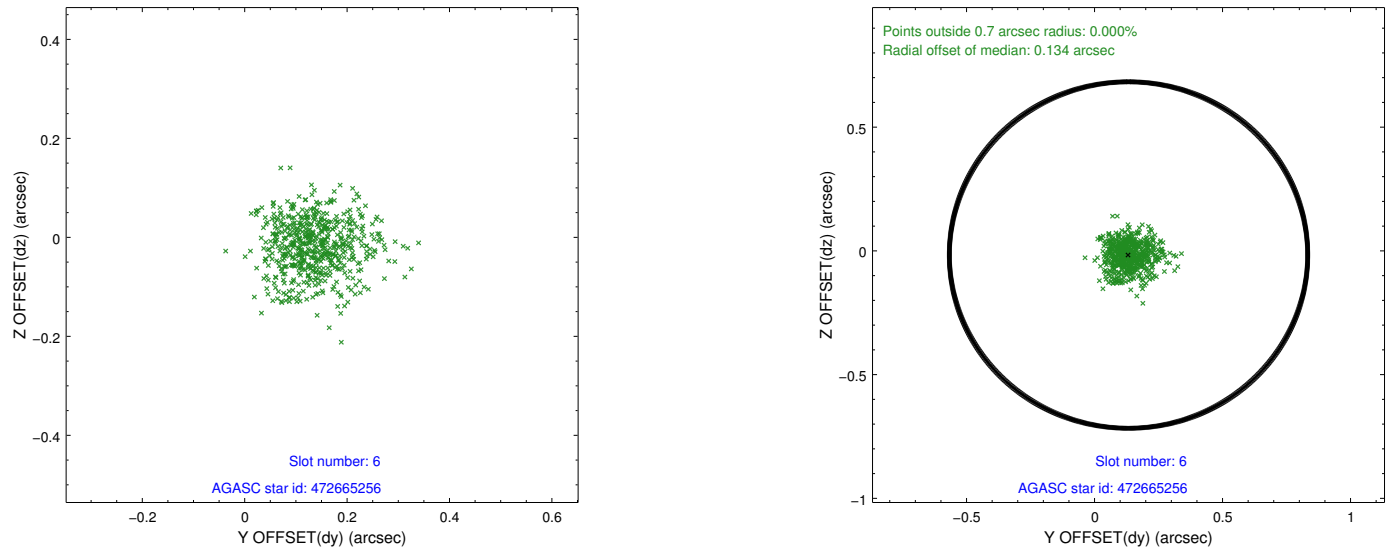
2.4.2 Slot 4



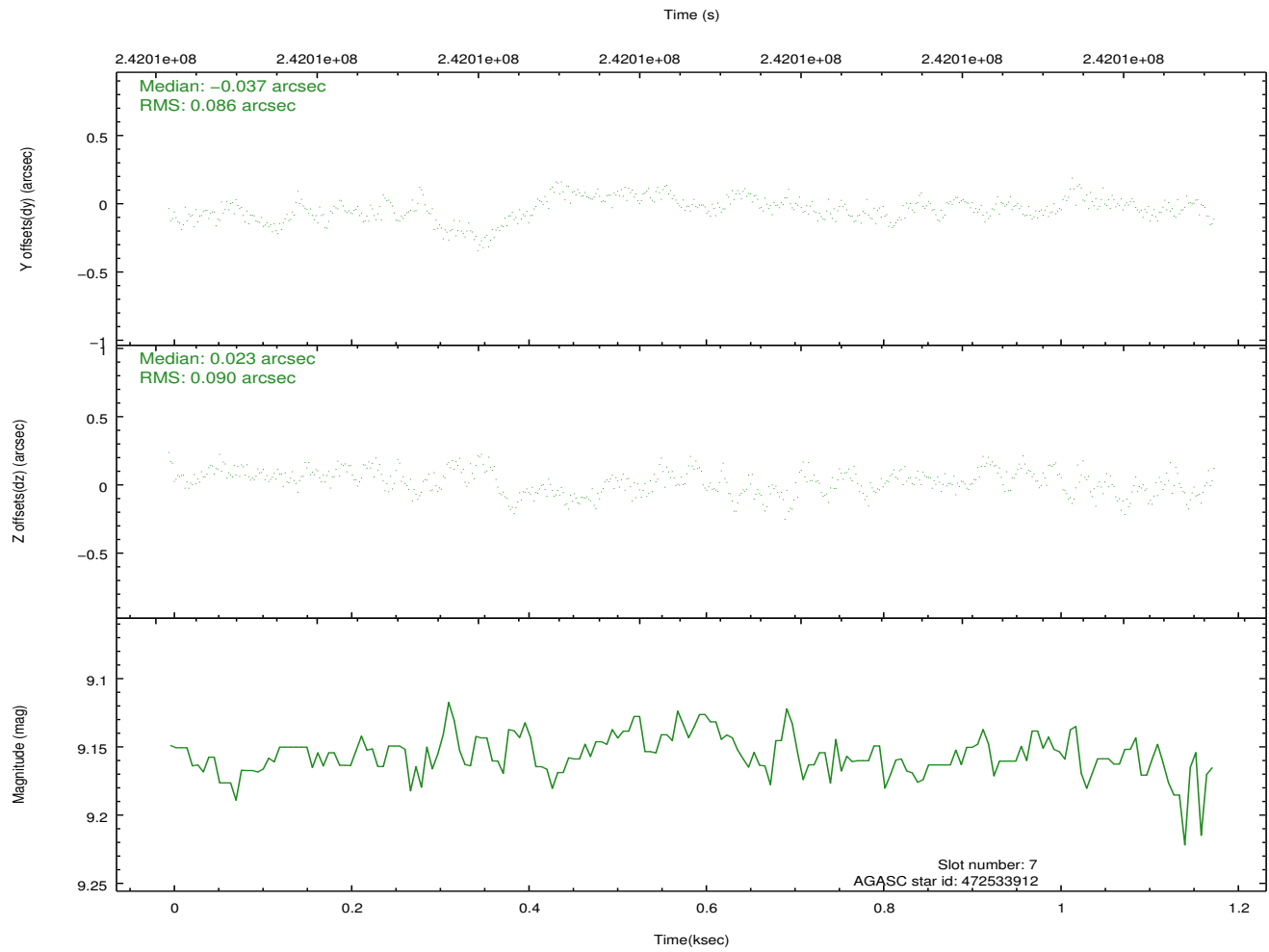
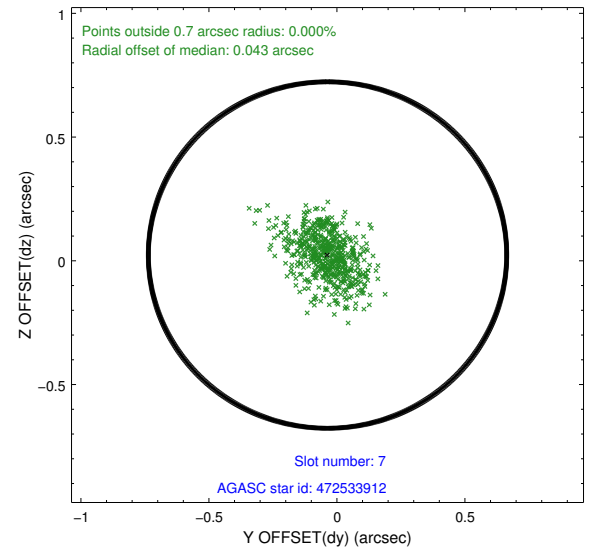
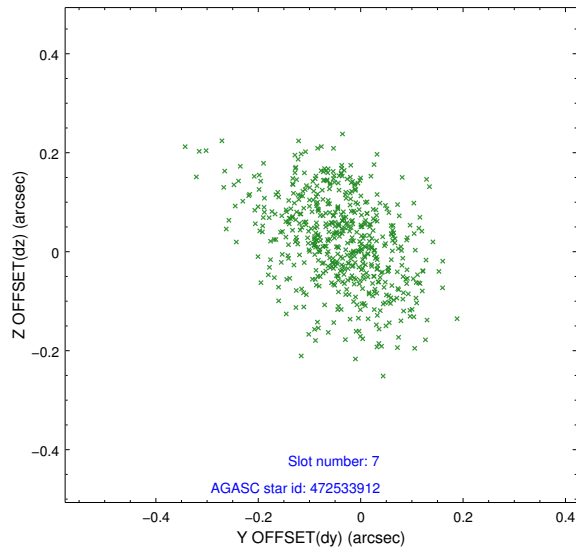
2.4.3 Slot 5



2.4.4 Slot 6

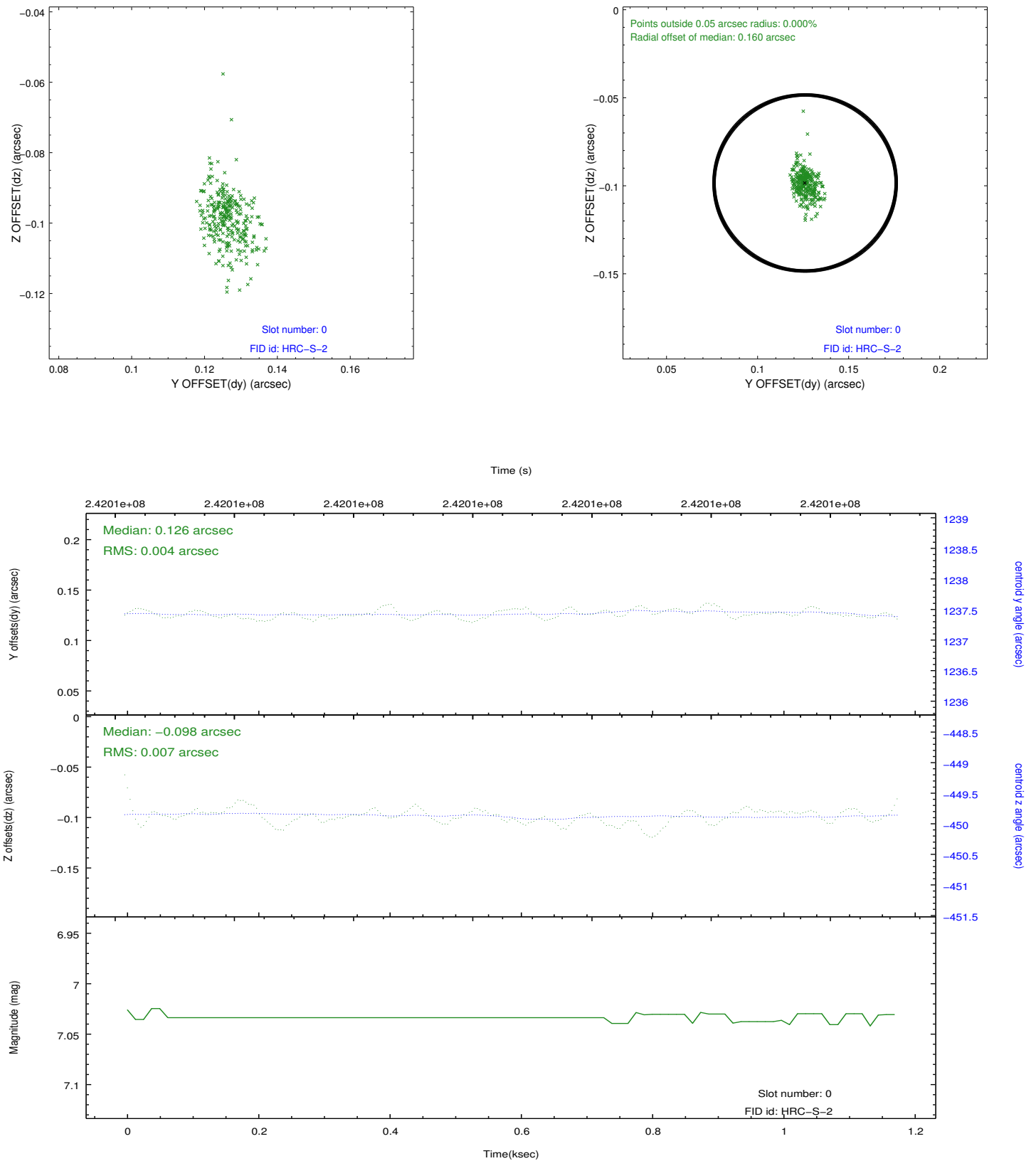


2.4.5 Slot 7

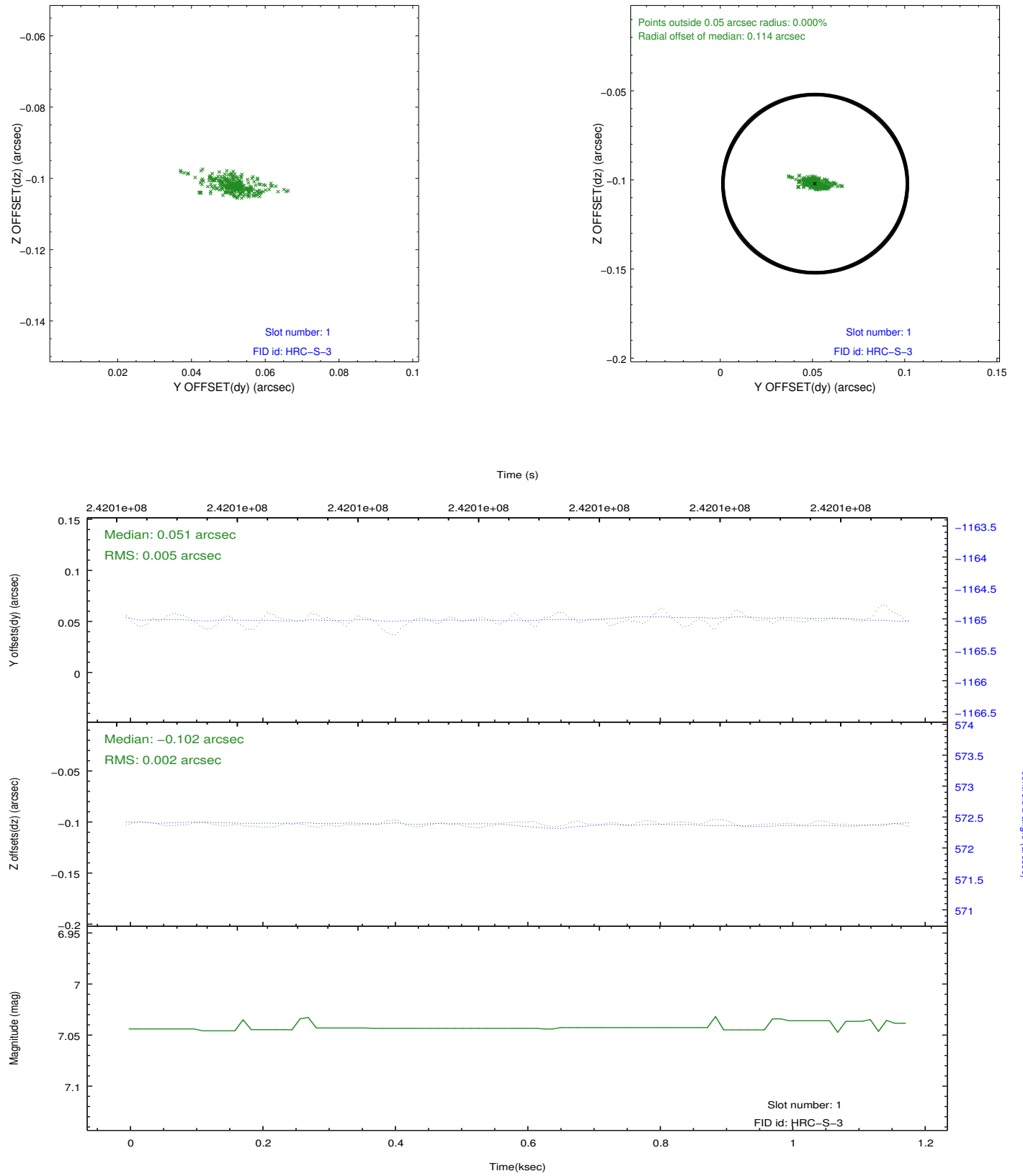


2.5 FID Slots

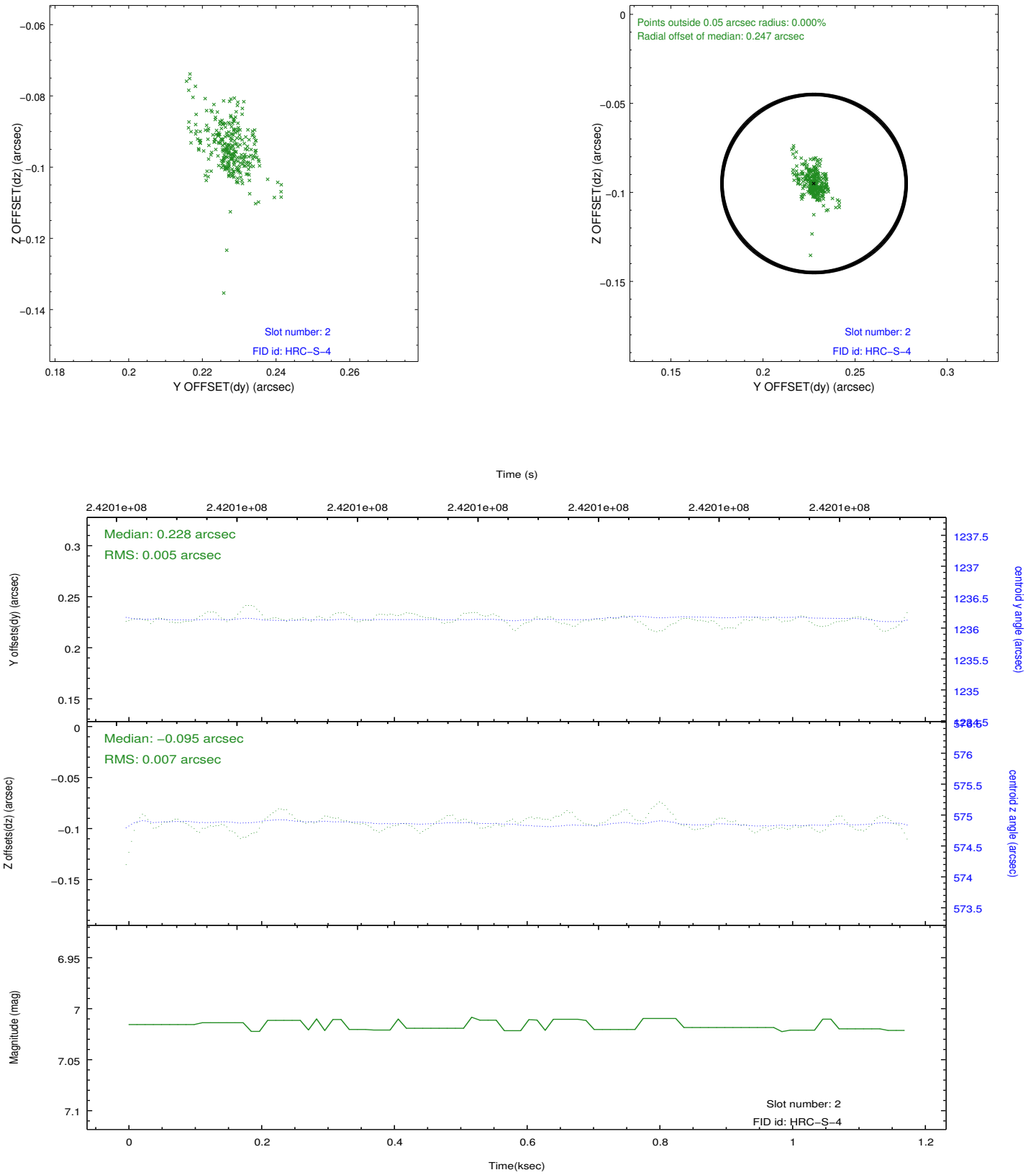
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

A.2 Comments