

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6021 - L2 Version 3
Chandra X-Ray Center

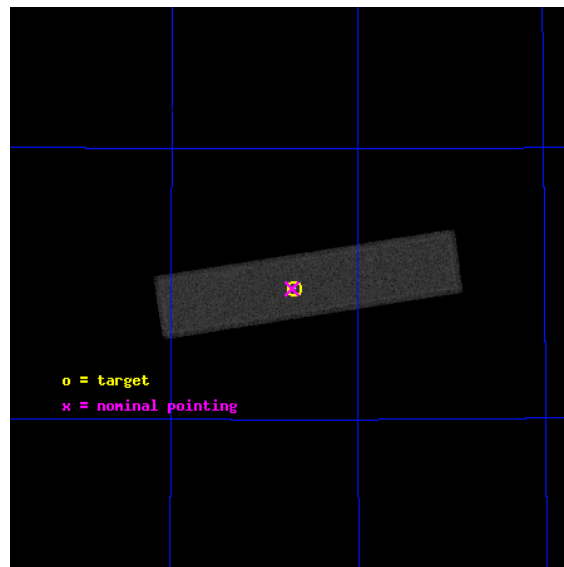
L2 Processing Date : Dec 17 2012

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1 Front

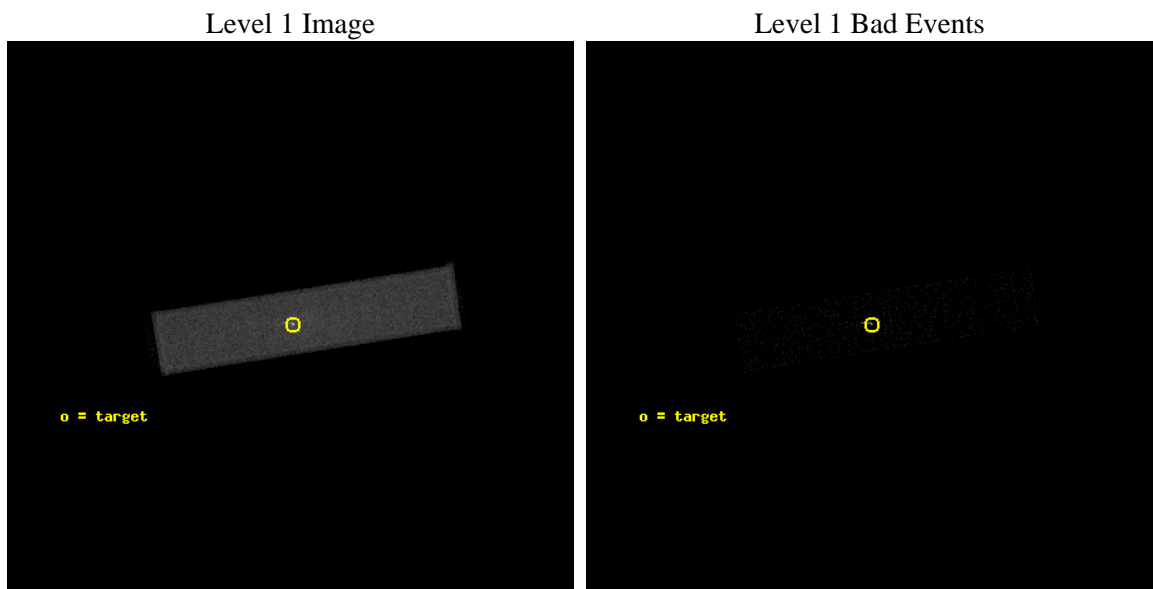
seq_num	290513	Sequence number
obs_id	6021	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17685005374	Nominal RA [deg]
dec_nom	45.741497541355	Nominal Dec [deg]
roll_nom	351.07959903457	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3137.7813919485	[s]
livetime	3118.8117377261	Ontime multiplied by DTCOR
l2events	134184	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	3137.7813919485	[s]
caldsver	4.5.5	 	l1events	217812	Number of level 1 events
date	2012-12-17T04:28:30	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

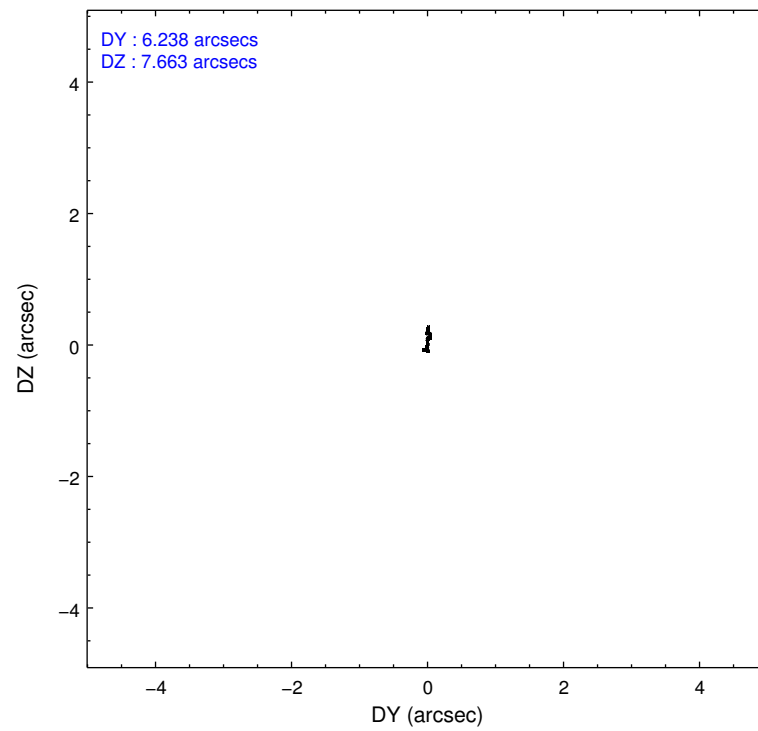
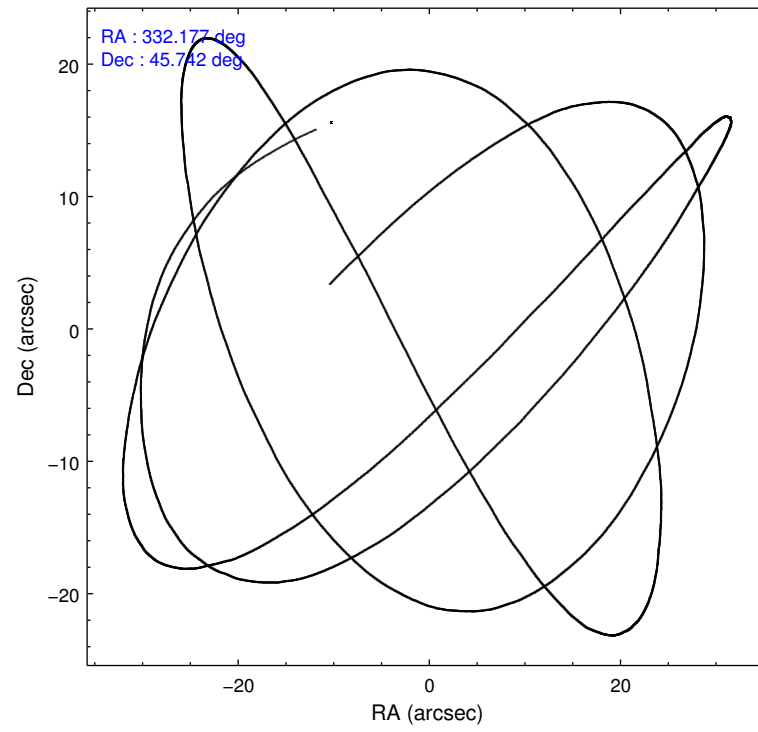
Level 1 Events

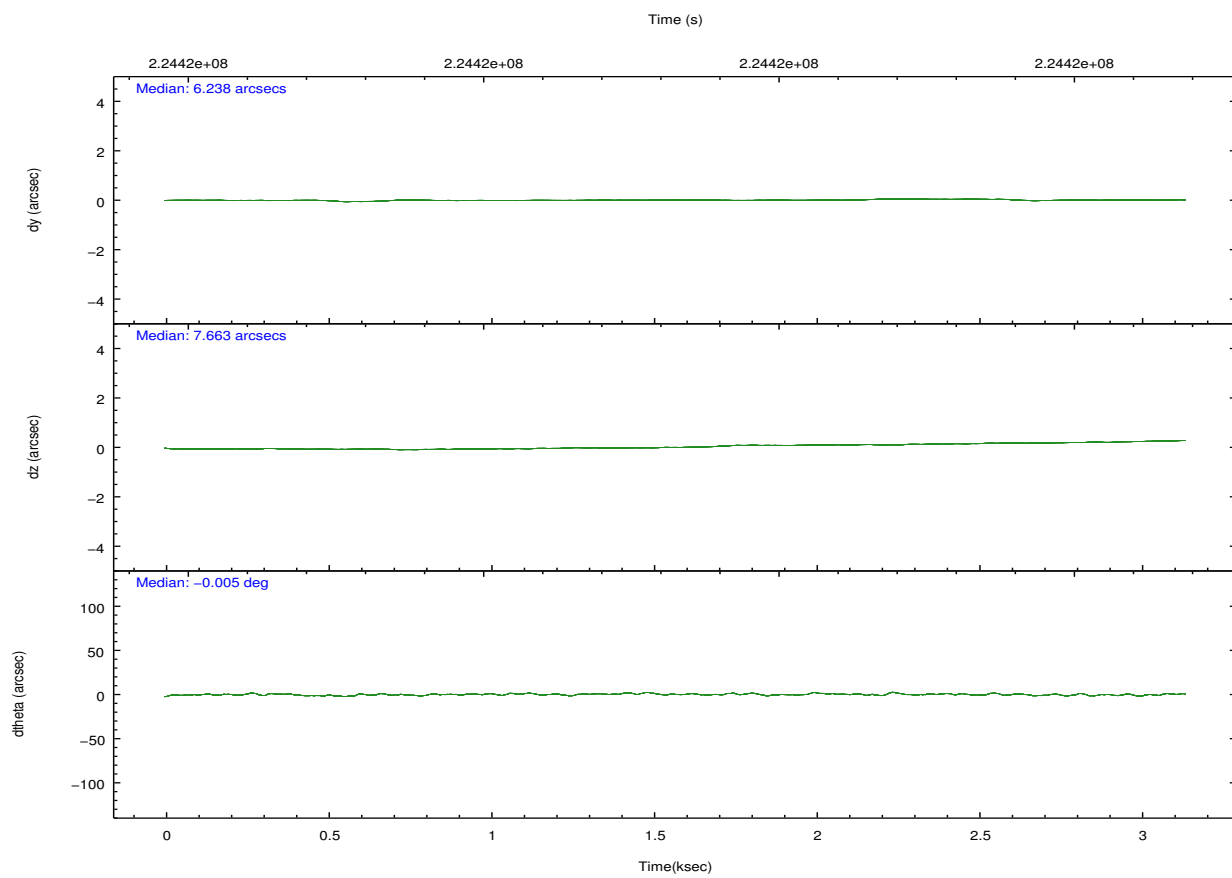
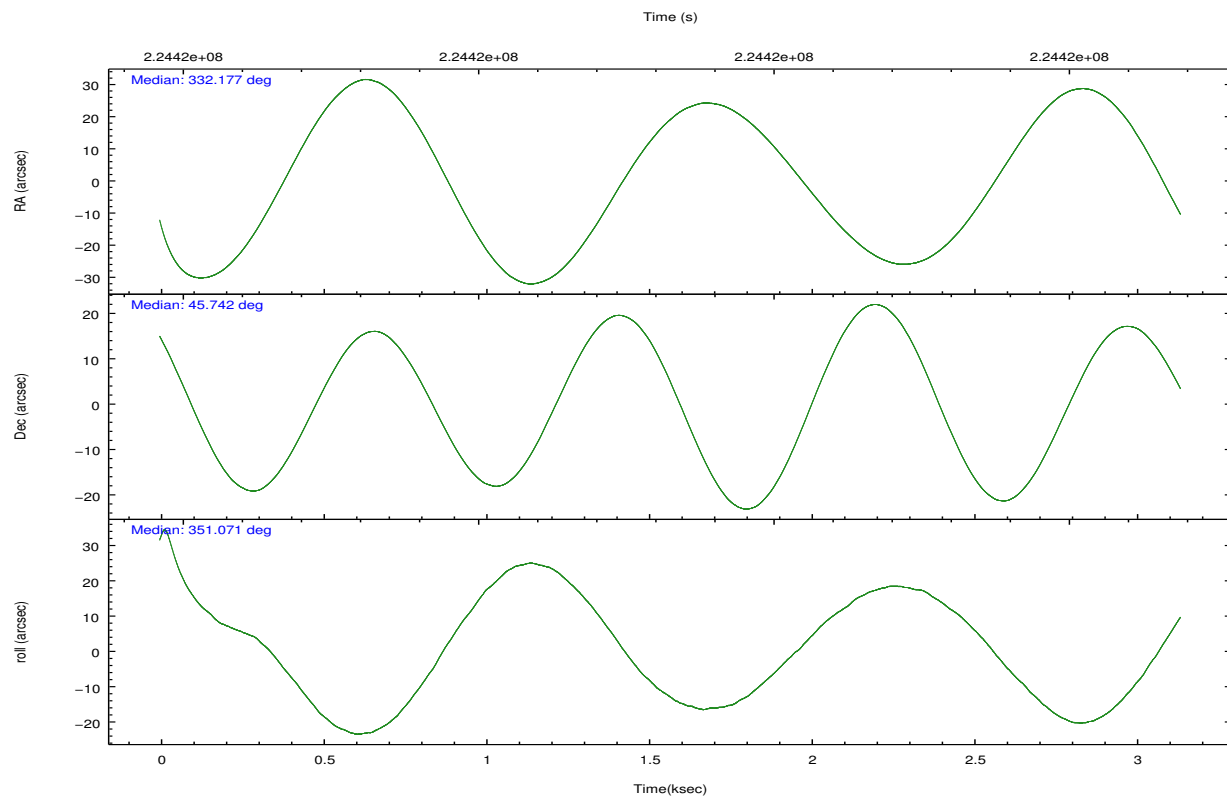
	segment 1	segment 2	segment 3
level 1 events	0	217812	0
rejected events	0	53871	0
rejected %	0%	24%	0%

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	332.139139	332.1768500537441			
[deg] Pointing Dec	45.729849	45.74149754135464			
[deg] Pointing Roll	351.039167	351.0795990345701			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	231206464.184000	231206464.184000			
[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)	224420213.184000	224419081.63225			
Observation start date	2005-02-10T10:55:49	2005-02-10T10:38:01			
[s] Observation end time (MET)	224423213.184000	224423346.65744			
Observation end date	2005-02-10T11:45:49	2005-02-10T11:49:06			

2.3 Aspect



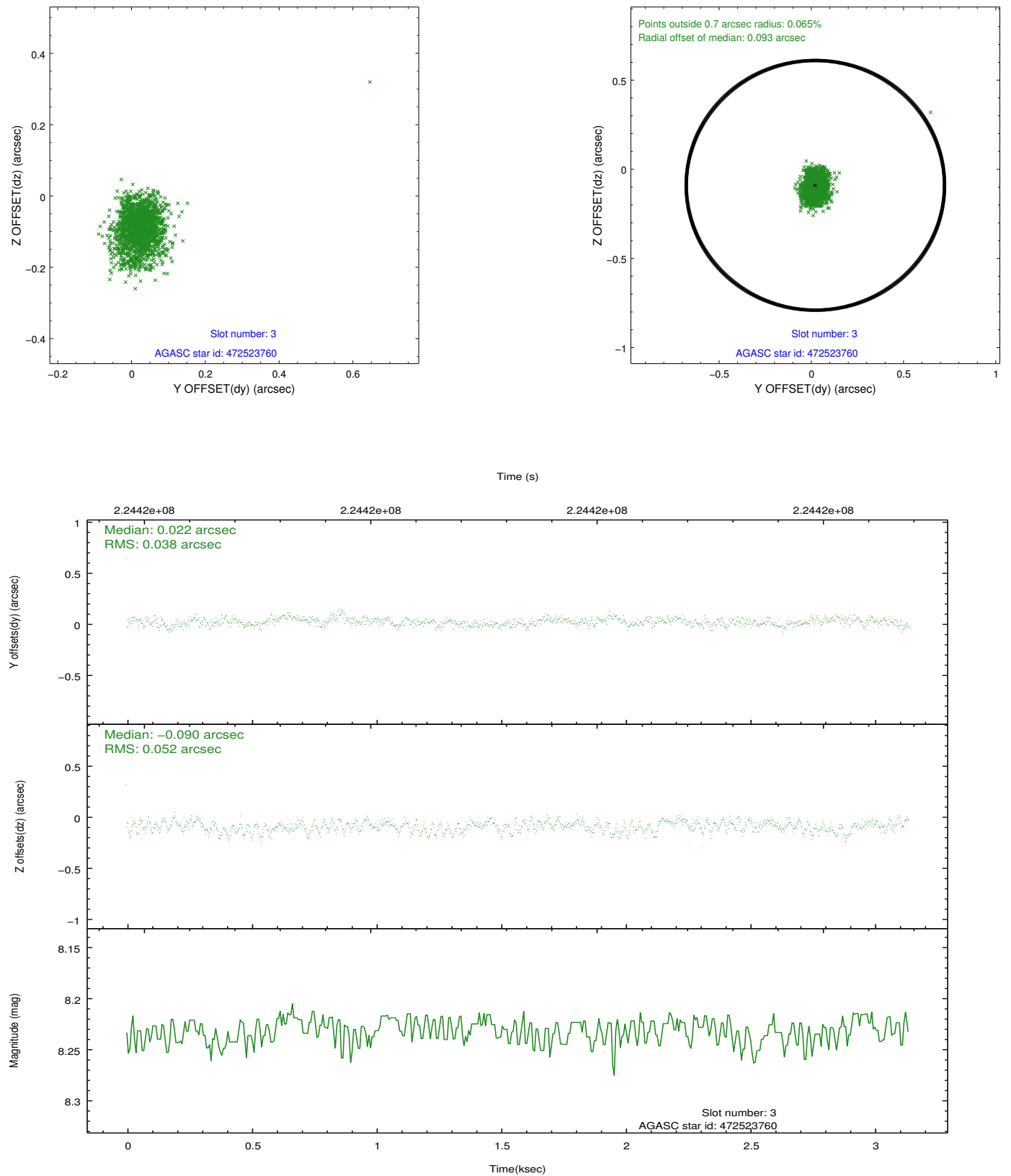


Slot Statistics

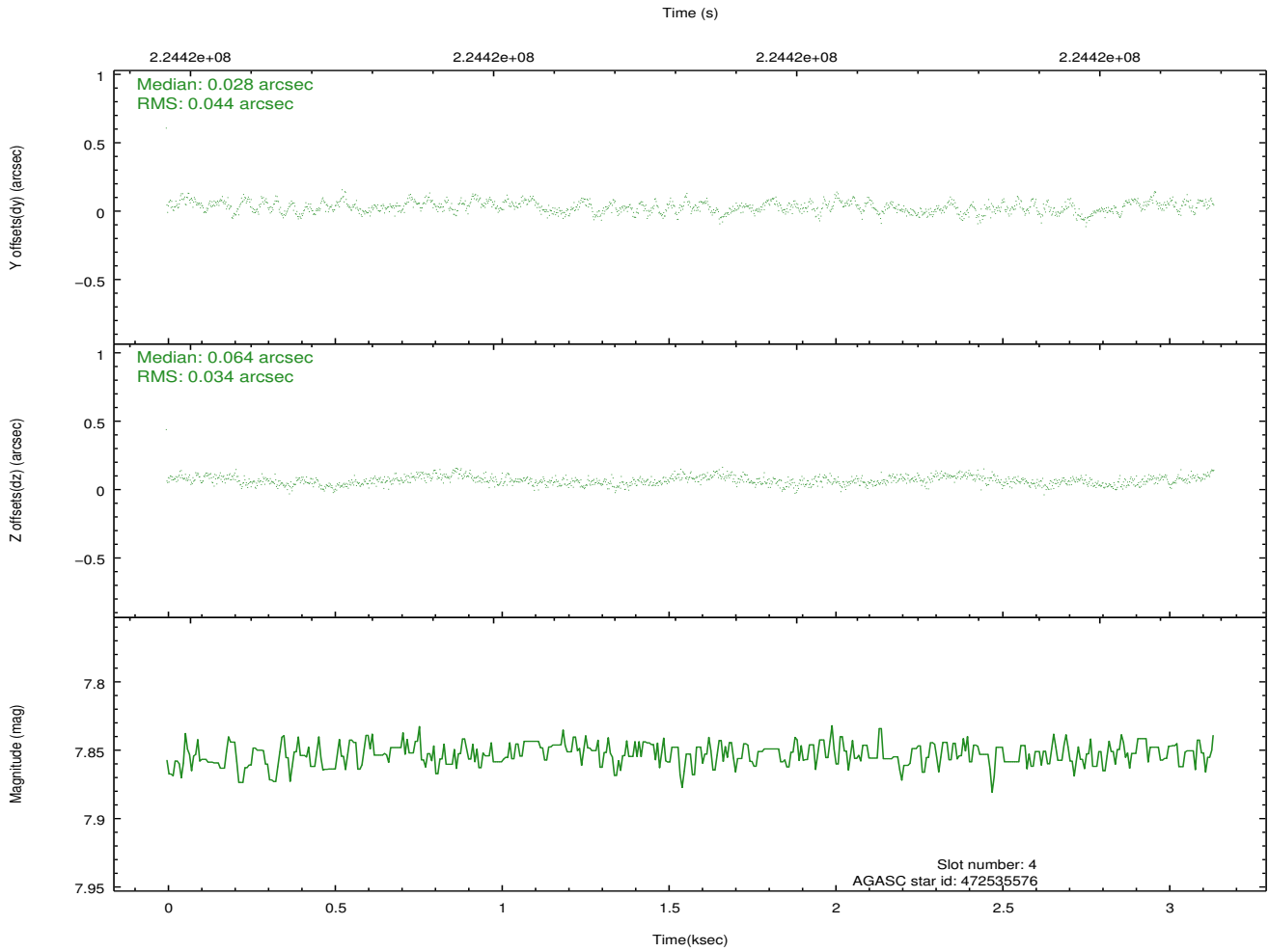
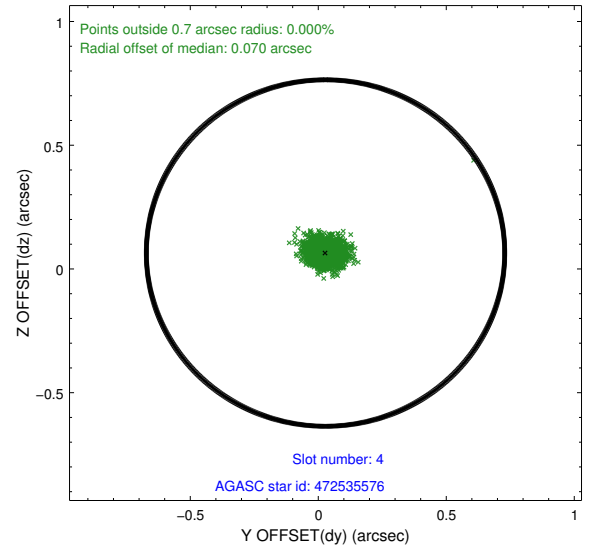
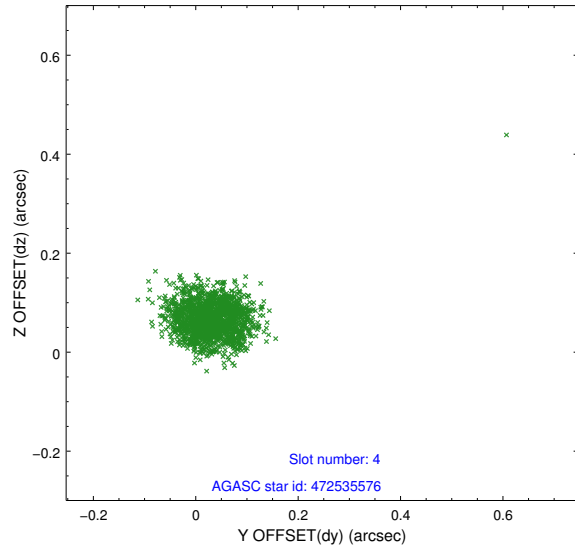
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	765	0.086	-0.116	0.005	0.009	0.000000	0.000000	-1160.40	-456.32
1	FID	HRC-S-2	7.04	766	0.151	-0.166	0.009	0.016	0.000000	0.000000	1237.83	-449.52
2	FID	HRC-S-4	6.99	766	0.166	-0.022	0.008	0.015	0.000000	0.000000	1239.52	575.36
3	GUIDE	472523760	8.23	1532	0.022	-0.090	0.065	0.108	331.645363	45.403260	-1050.68	-1352.13
4	GUIDE	472535576	7.85	1532	0.028	0.064	0.057	0.088	331.438373	46.291802	-2039.69	1733.47
5	GUIDE	472665256	9.01	1530	-0.043	0.037	0.085	0.137	332.808125	46.195041	1382.63	1922.34
6	GUIDE	472527720	6.99	1532	-0.018	-0.021	0.066	0.105	331.460205	45.112509	-1358.18	-2455.63
7	GUIDE	472536328	8.14	1530	0.007	0.015	0.067	0.106	331.496671	46.454831	-1983.33	2334.56

2.4 Star Slots

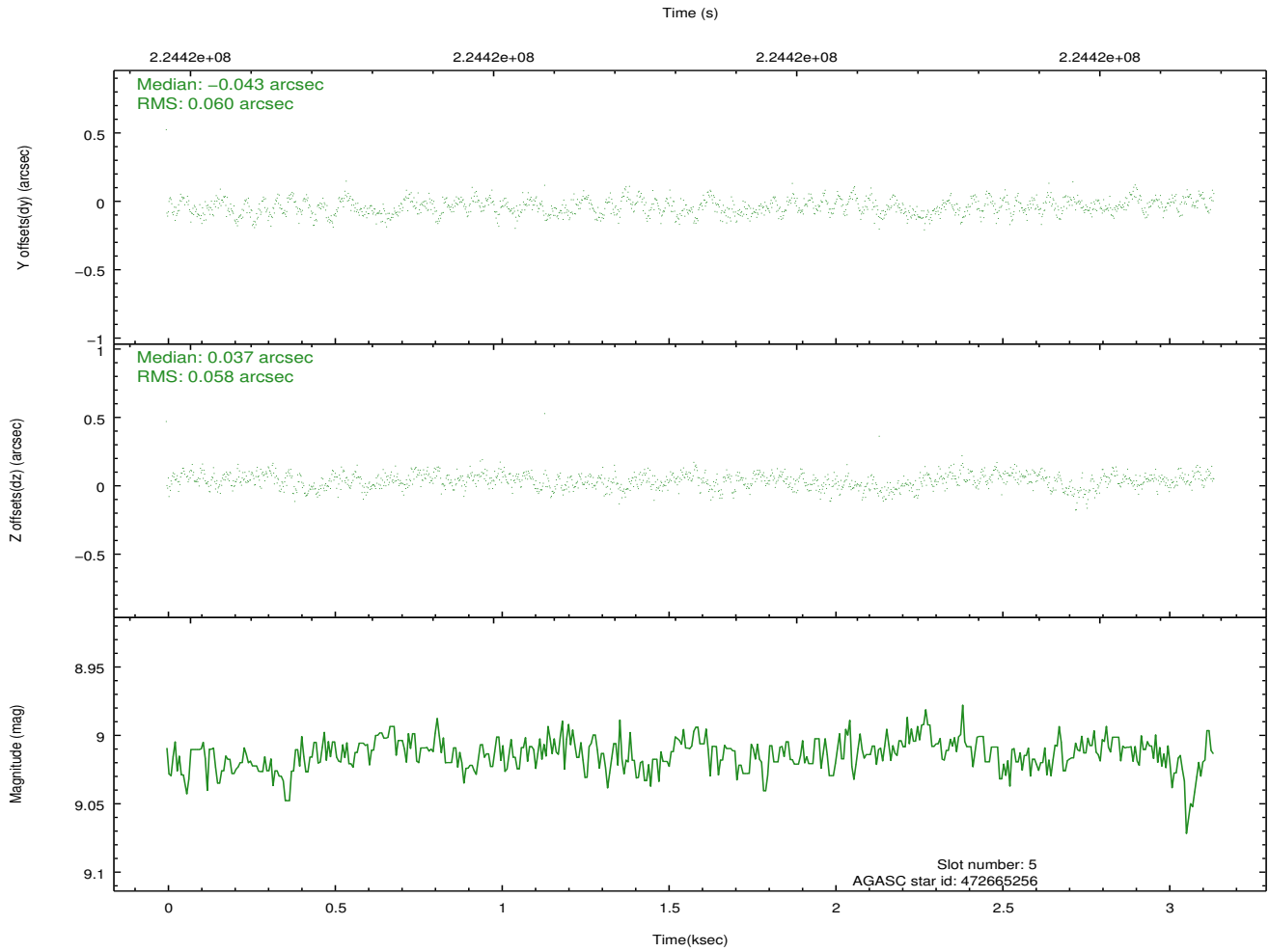
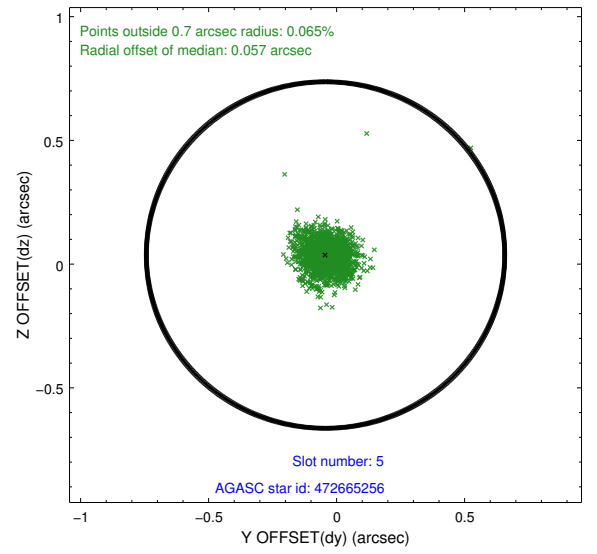
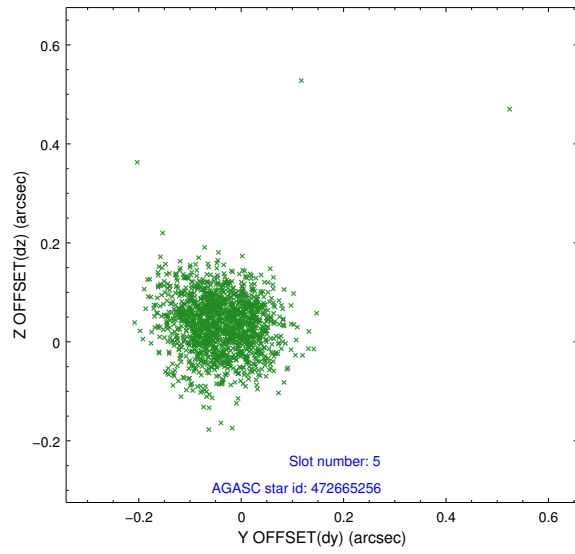
2.4.1 Slot 3



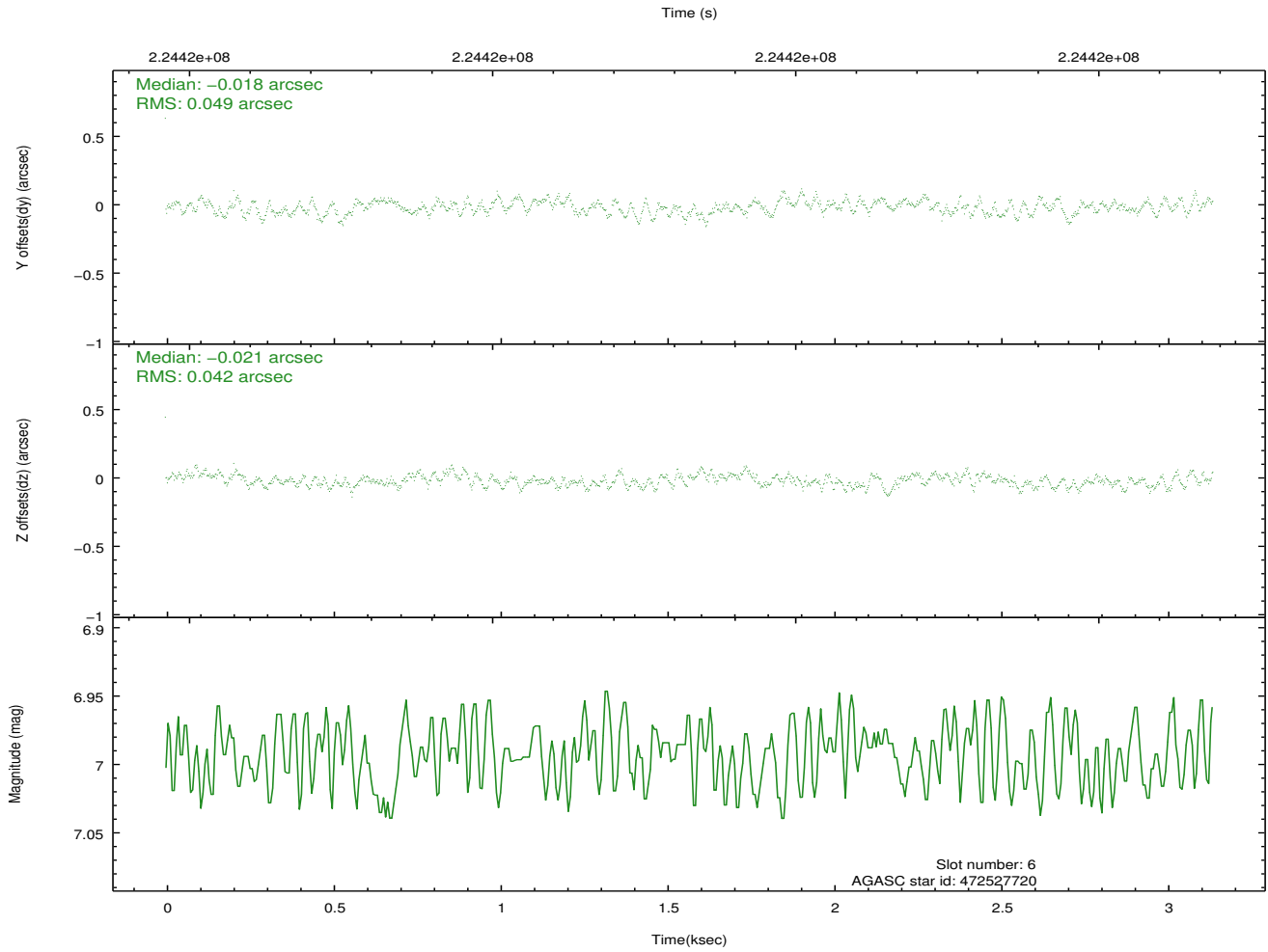
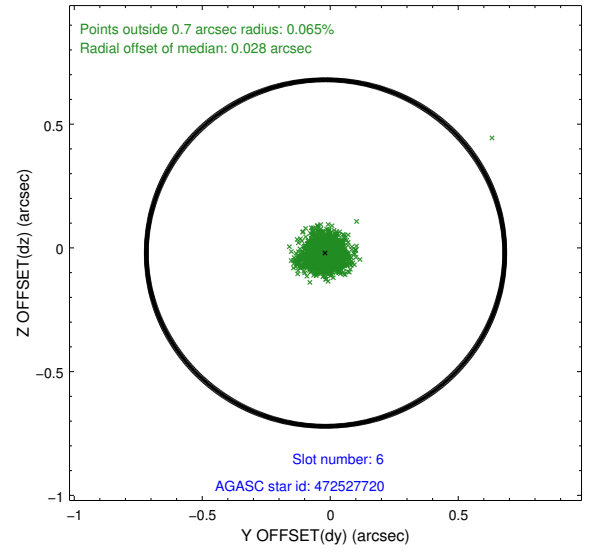
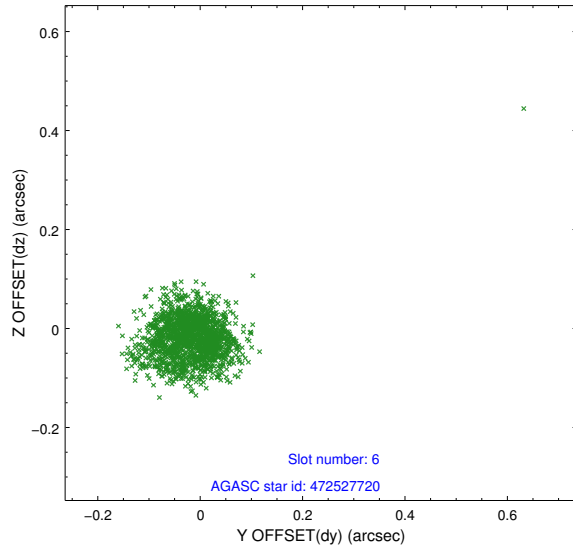
2.4.2 Slot 4



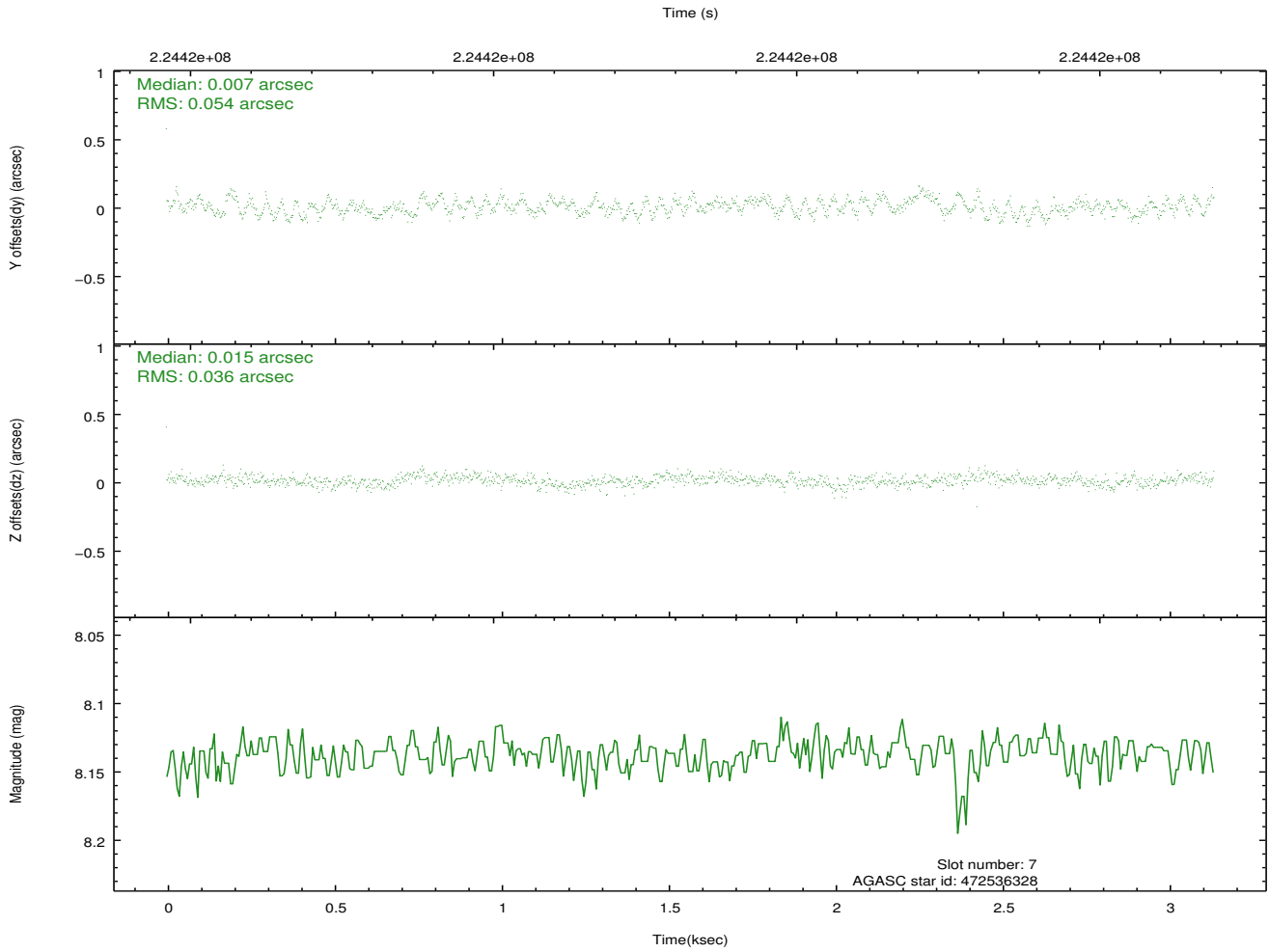
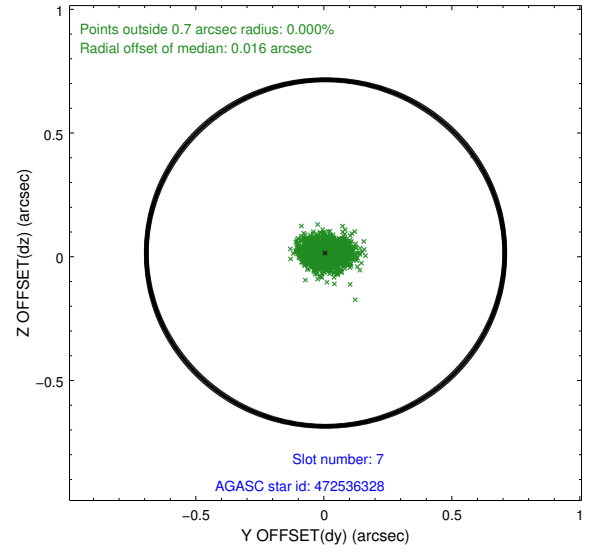
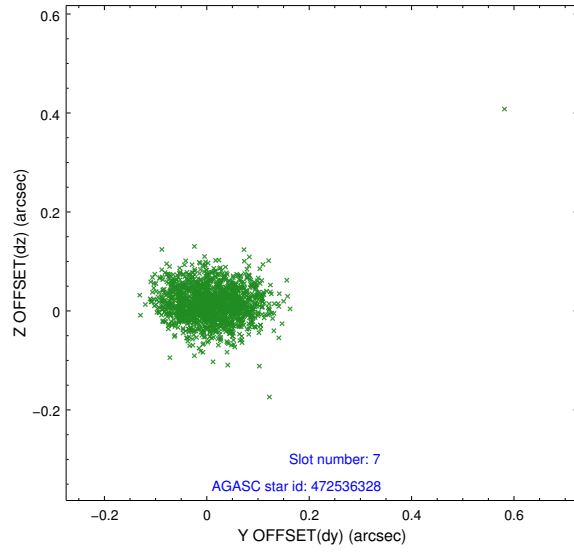
2.4.3 Slot 5



2.4.4 Slot 6

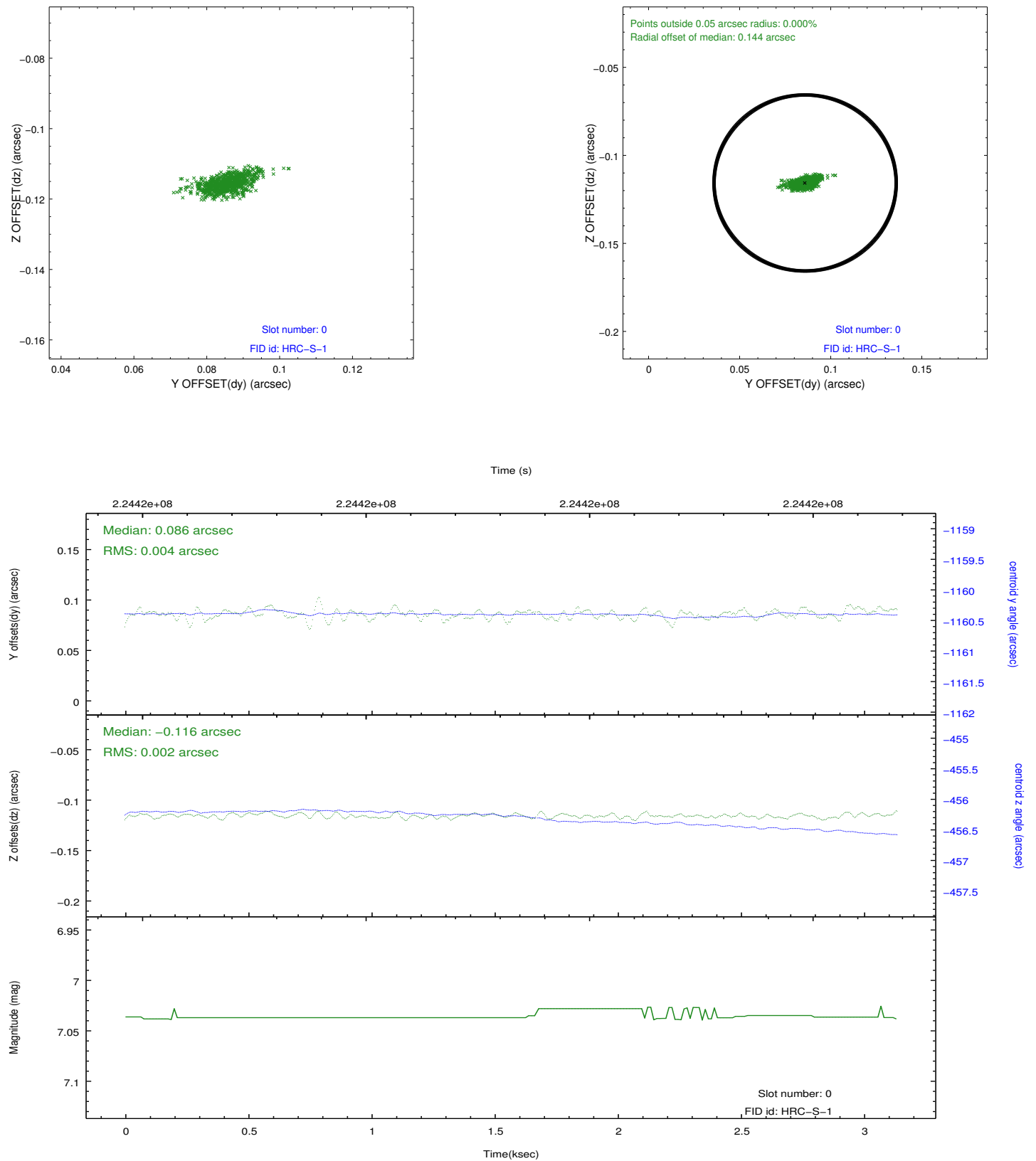


2.4.5 Slot 7

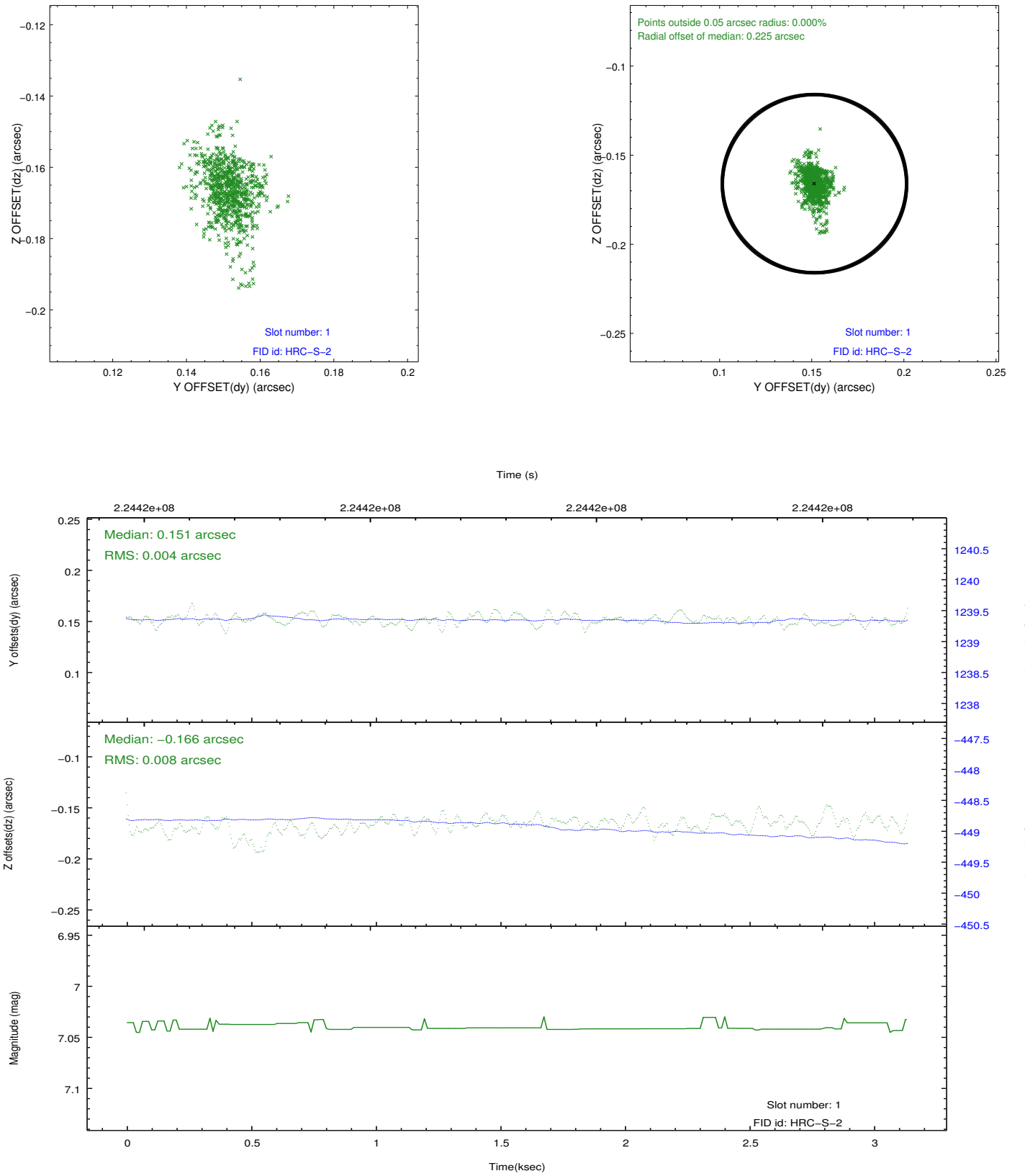


2.5 FID Slots

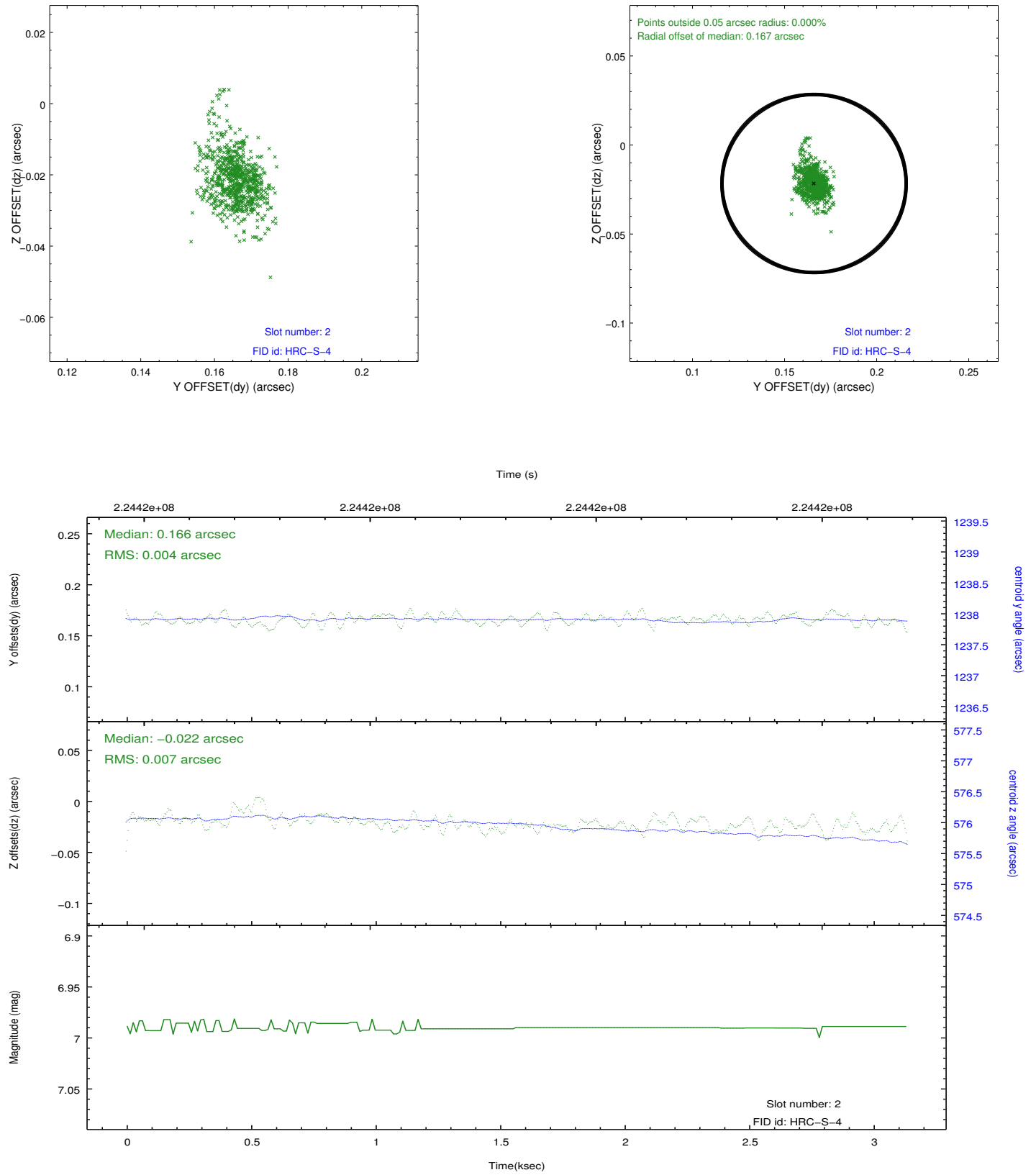
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.137525

A.2 Comments

Window constraint met.