

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2659 - L2 Version 3
Chandra X-Ray Center

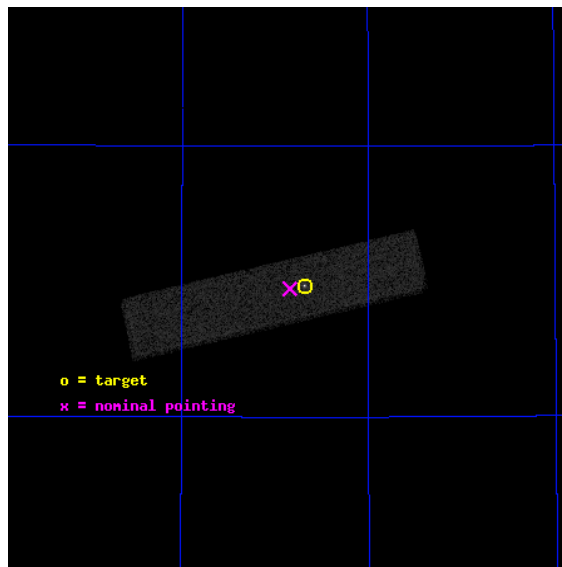
L2 Processing Date : Oct 13 2012

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1 Front

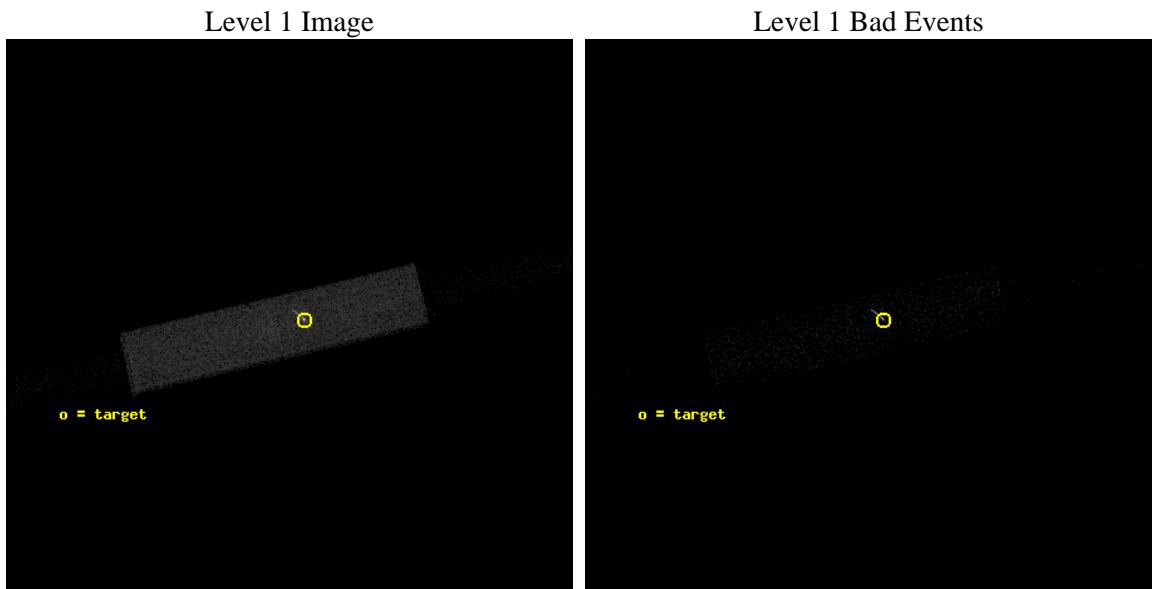
seq_num	290215	Sequence number
obs_id	2659	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20975478341	Nominal RA [deg]
dec_nom	45.73691353546	Nominal Dec [deg]
roll_nom	166.76580448089	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0812969804	[s]
livetime	1134.5735085549	Ontime multiplied by DTCOR
l2events	48914	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	8.4.5	Processing system revision	ontime	1141.0812969804	[s]
caldsver	4.5.2	 	l1events	78064	Number of level 1 events
date	2012-10-14T00:25:37	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

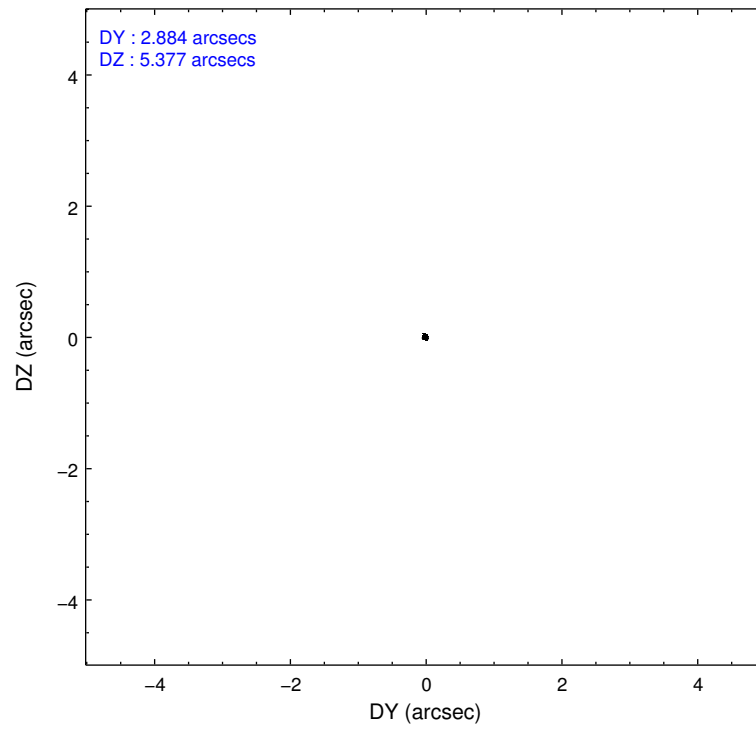
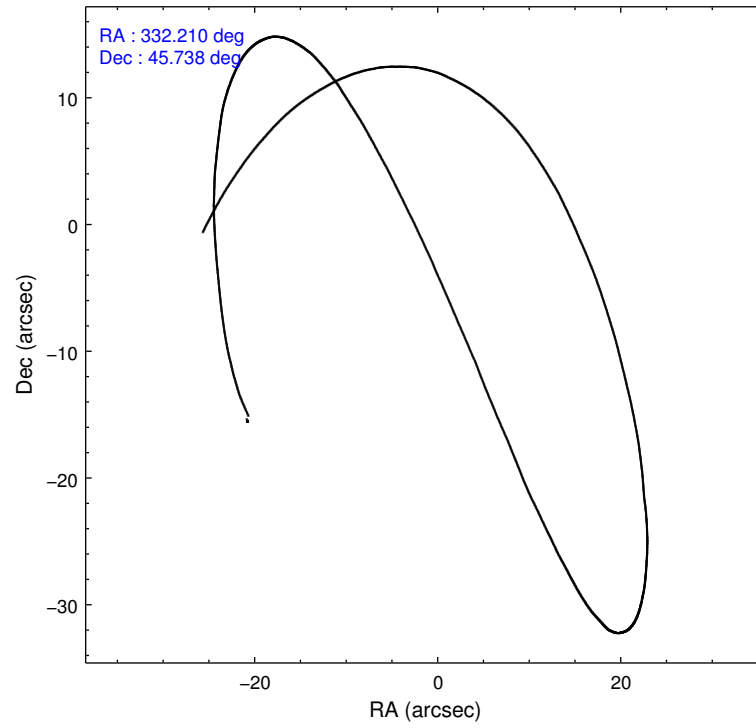
Level 1 Events

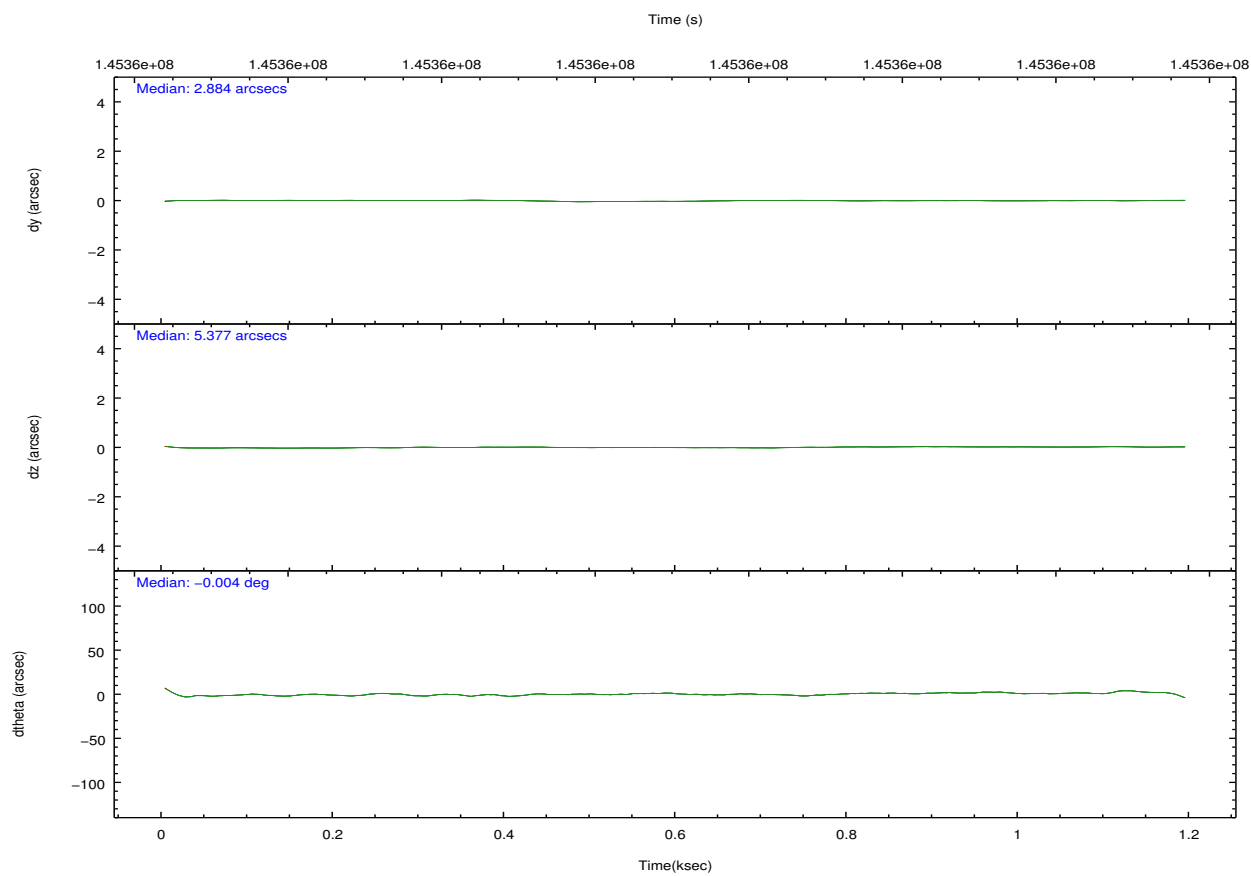
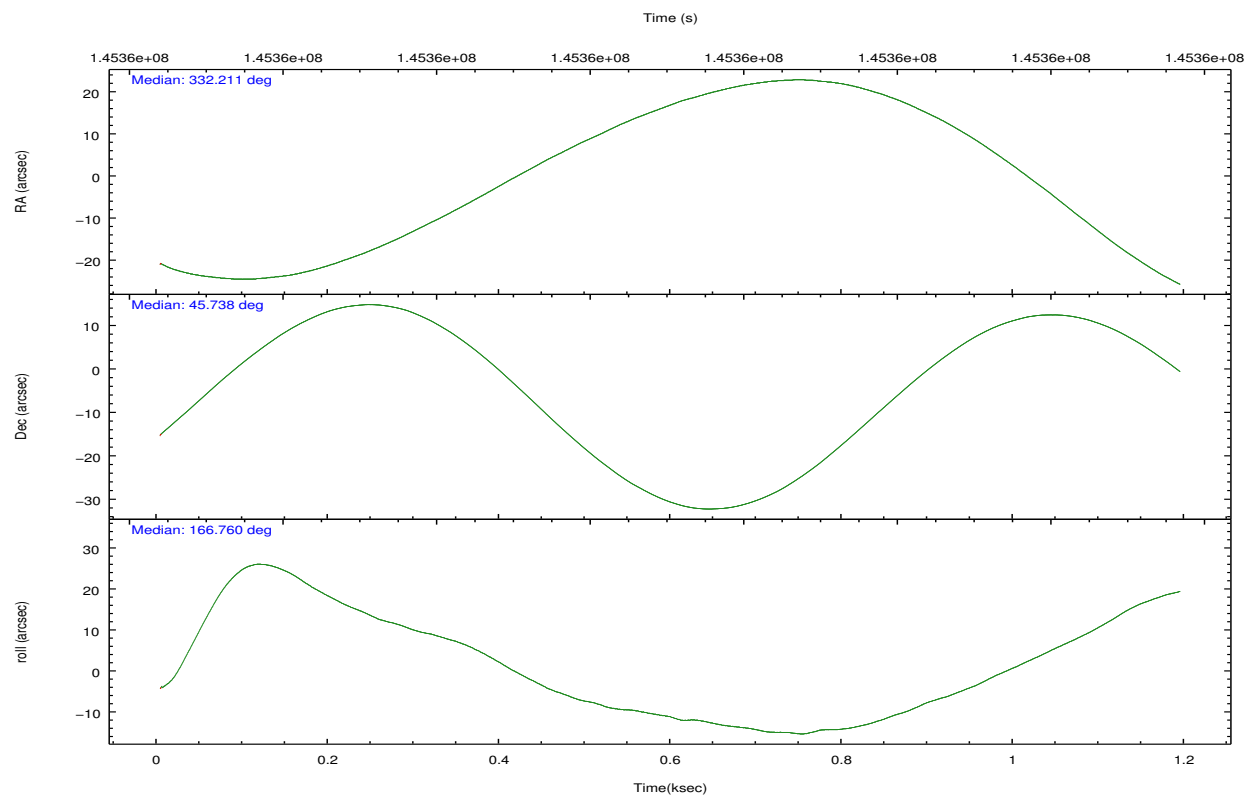
	segment 1	segment 2	segment 3
level 1 events	968	76105	991
rejected events	968	18025	991
rejected %	100%	23%	100%

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	332.248599	332.2097547834138			
[deg] Pointing Dec	45.745440	45.73691353546018			
[deg] Pointing Roll	166.670897	166.7658044808882			
[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)	145358900.184000	145358524.52737			
Observation start date	2002-08-10T09:27:16	2002-08-10T09:22:04			
[s] Observation end time (MET)	145359900.184000	145360034.35244			
Observation end date	2002-08-10T09:43:56	2002-08-10T09:47:14			

2.3 Aspect



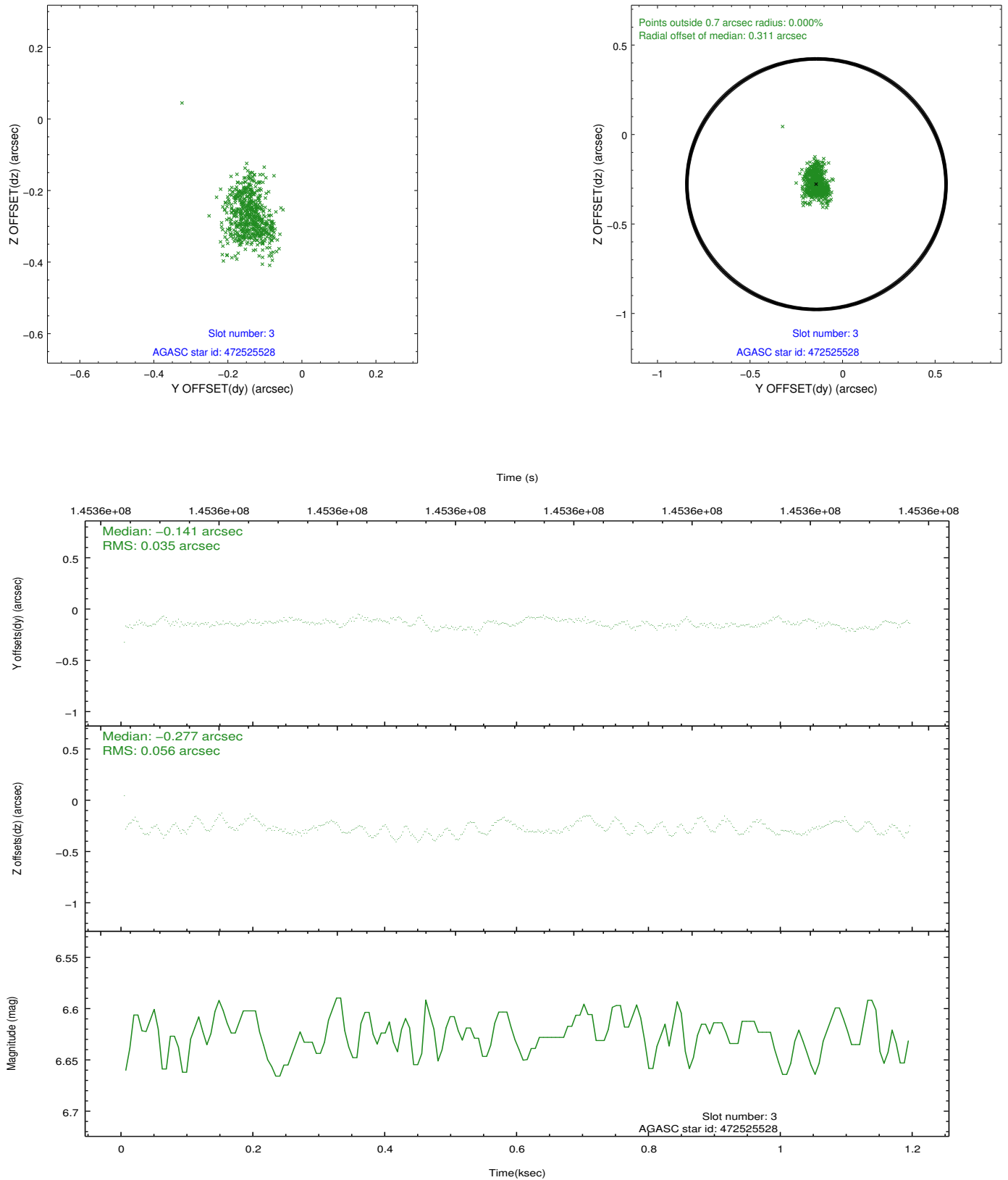


Slot Statistics

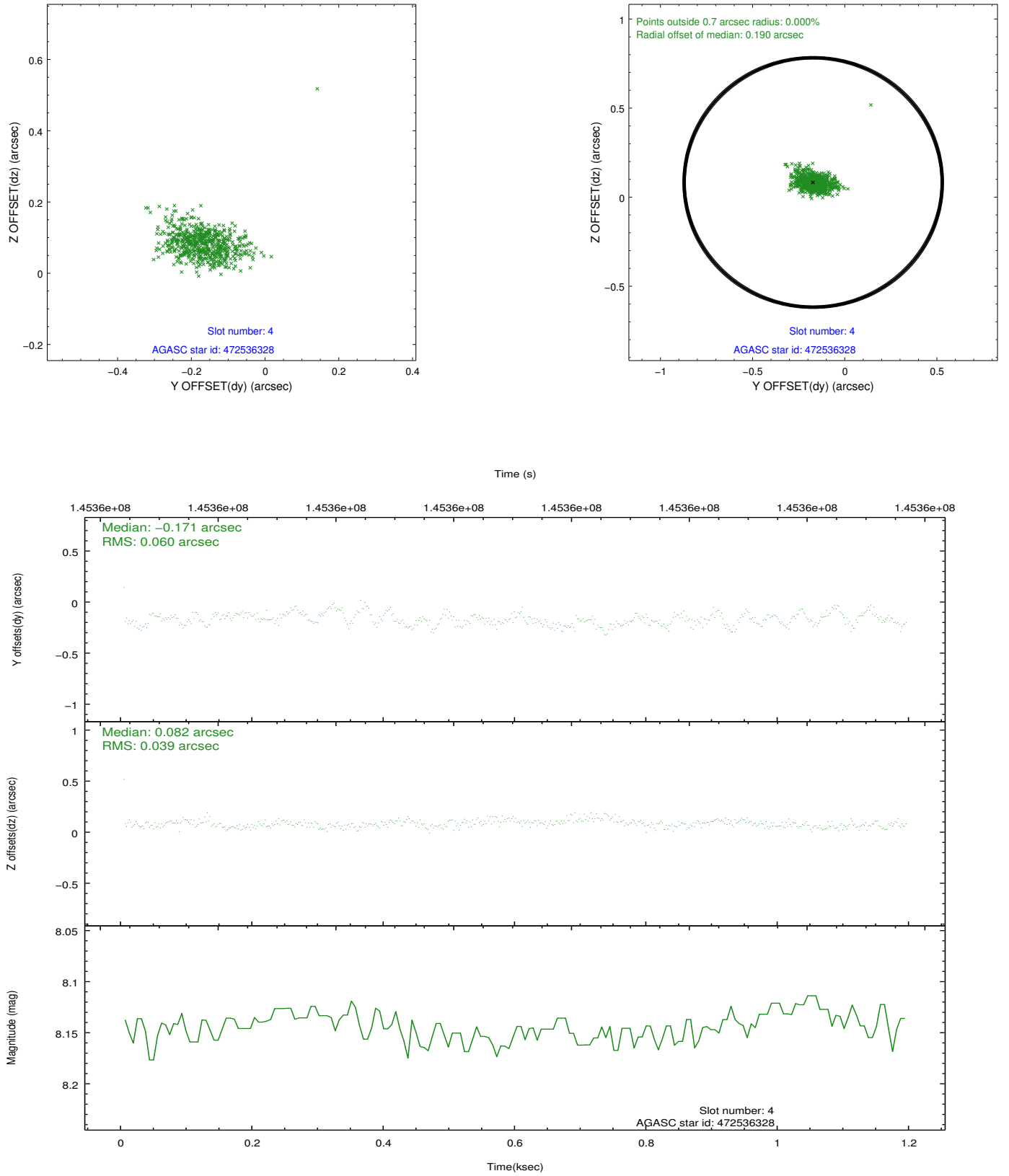
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	291	0.149	-0.114	0.006	0.009	0.000000	0.000000	-1156.90	-453.89
1	FID	HRC-S-2	6.99	291	0.090	-0.104	0.017	0.029	0.000000	0.000000	1238.75	-448.04
2	FID	HRC-S-4	6.94	291	0.164	-0.089	0.017	0.031	0.000000	0.000000	1245.62	576.73
3	GUIDE	472525528	6.62	582	-0.141	-0.277	0.068	0.116	331.551102	45.248694	1309.27	2143.93
4	GUIDE	472536328	8.15	582	-0.171	0.082	0.071	0.123	331.496671	46.454831	2407.71	-2055.87
5	GUIDE	472523760	8.23	582	-0.077	-0.012	0.069	0.106	331.645363	45.403260	1204.83	1545.07
6	GUIDE	472665256	9.02	582	0.120	0.259	0.112	0.222	332.808125	46.195041	-980.22	-1894.52
7	GUIDE	472646552	9.61	579	0.242	-0.048	0.107	0.183	333.120915	45.571877	-2281.87	89.83

2.4 Star Slots

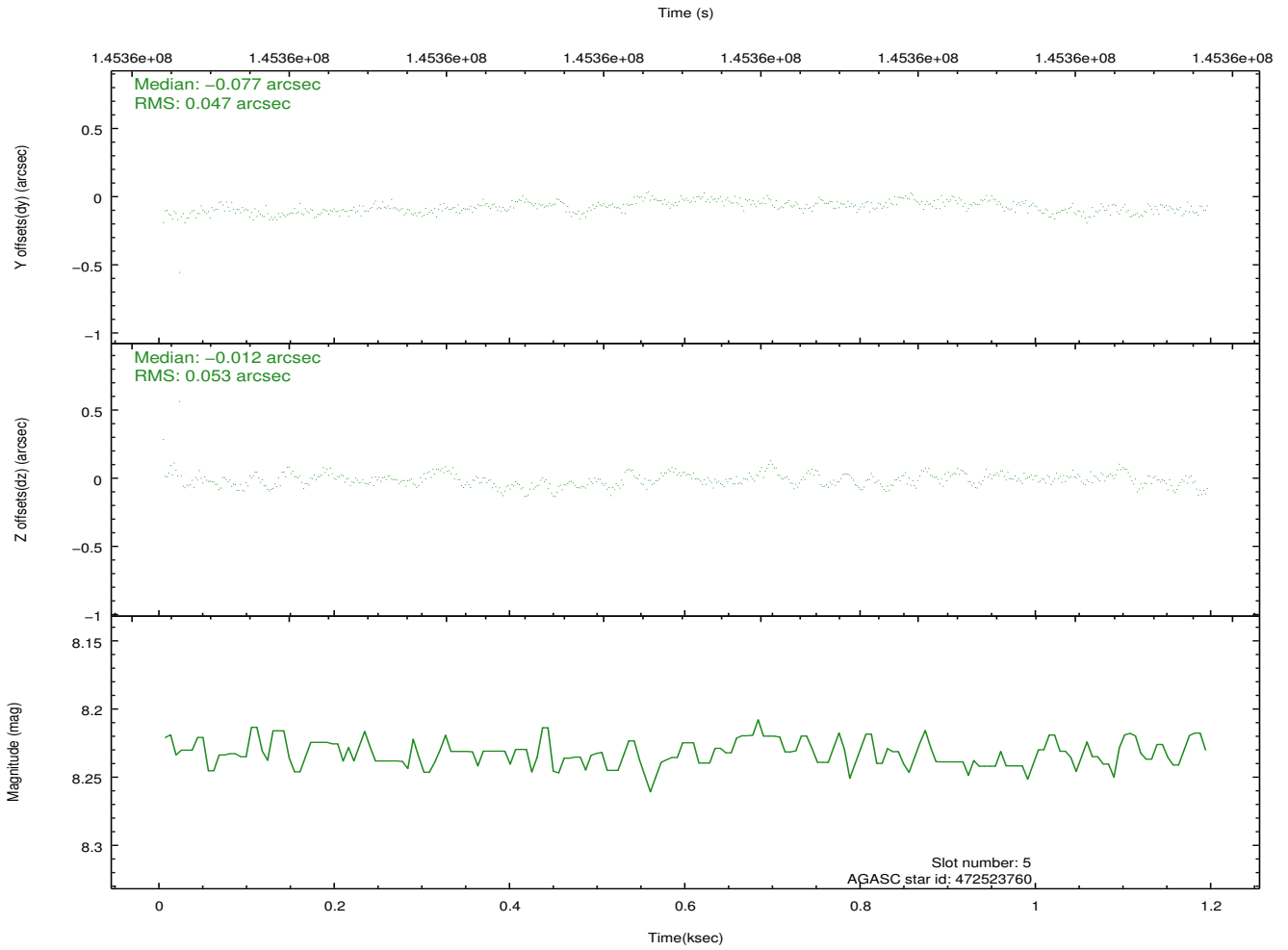
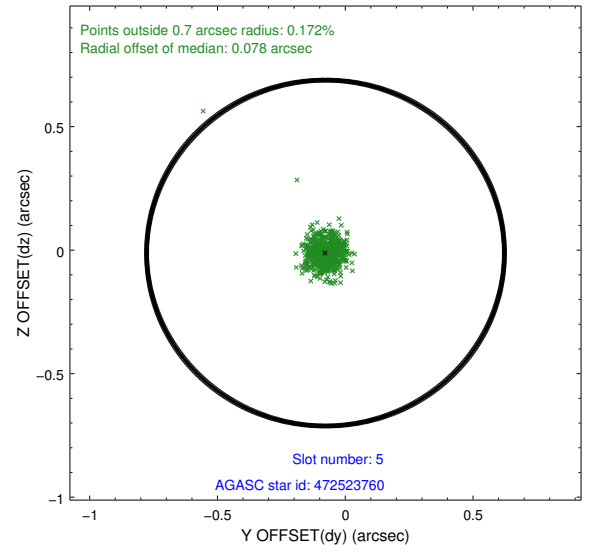
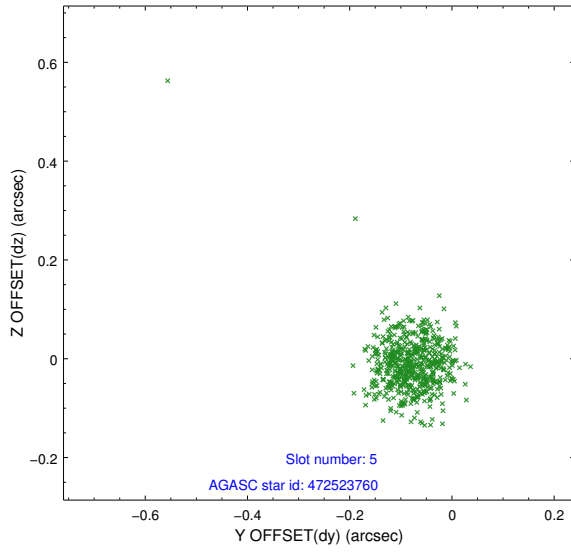
2.4.1 Slot 3



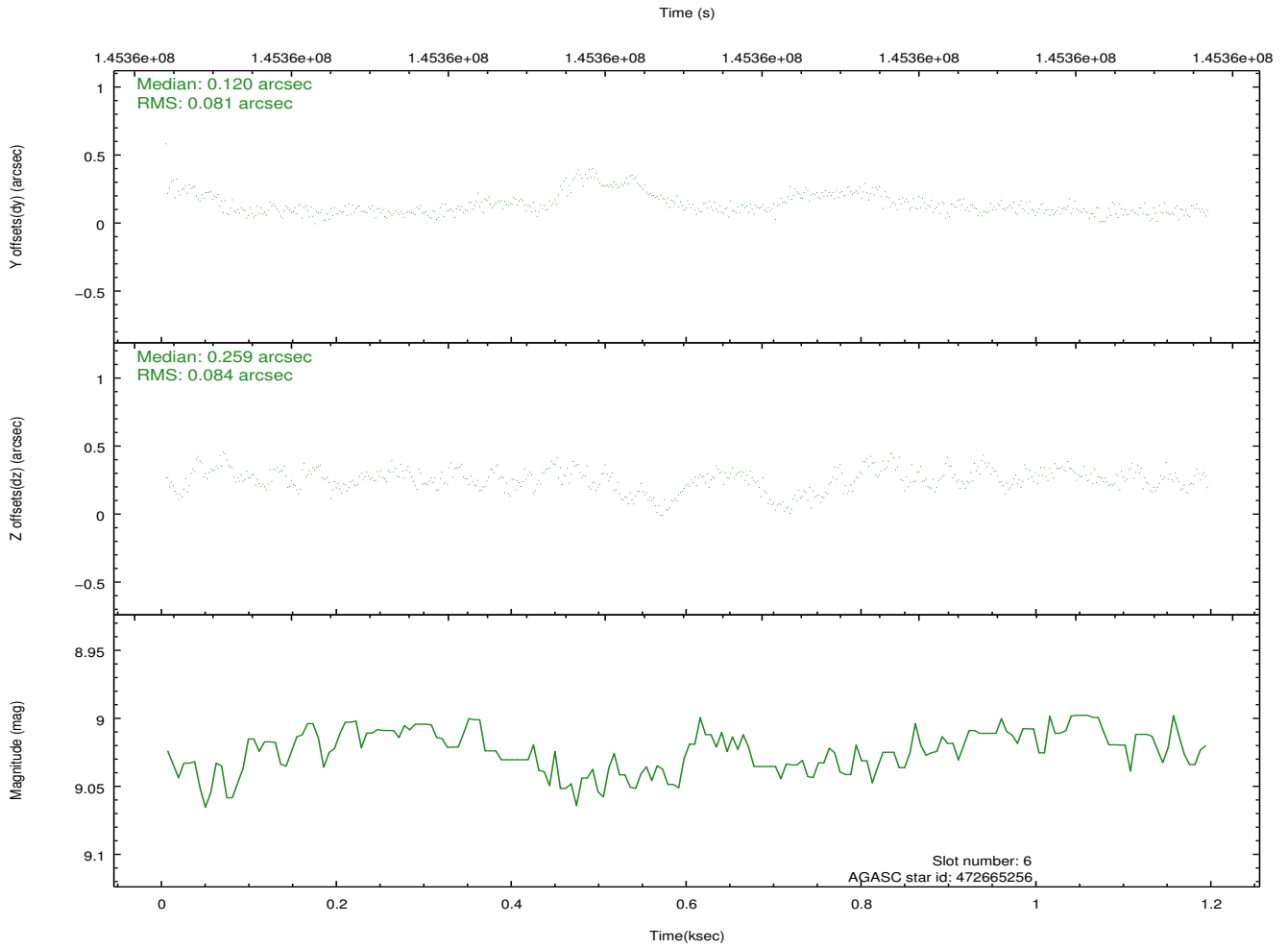
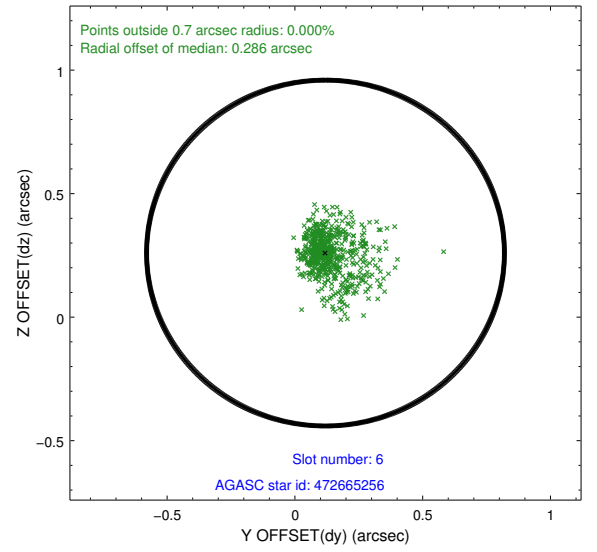
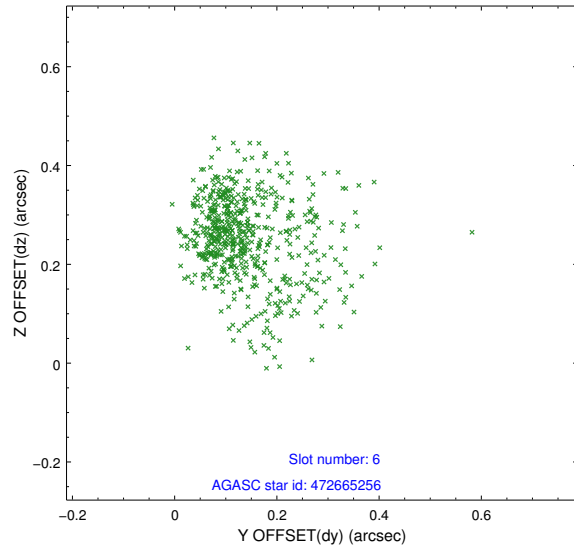
2.4.2 Slot 4



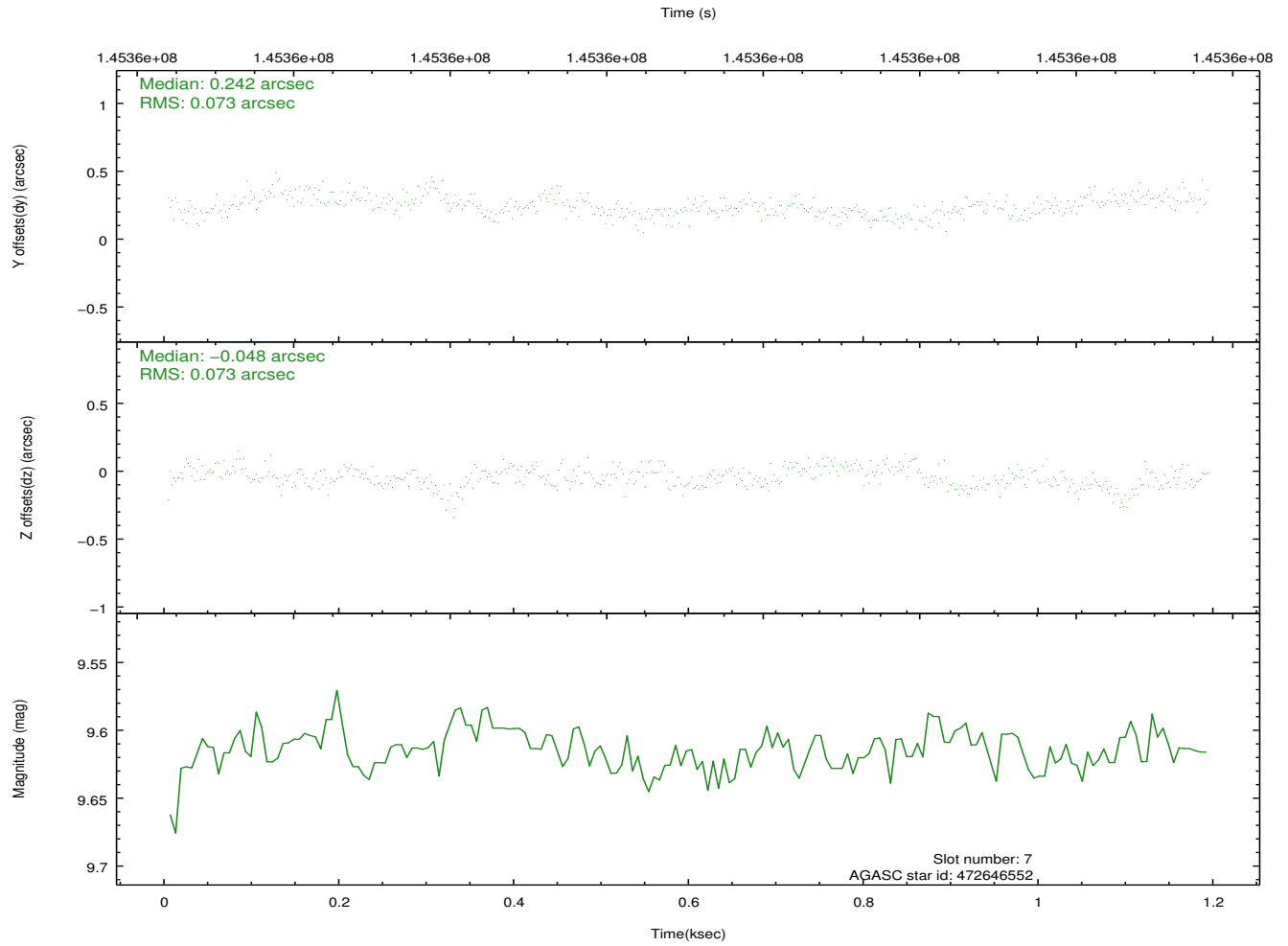
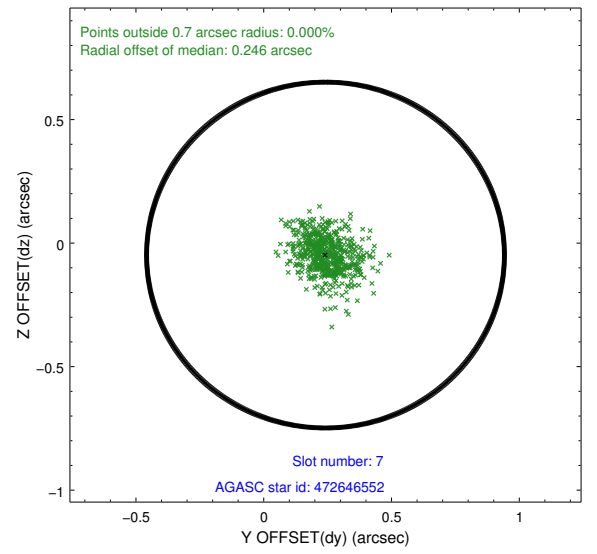
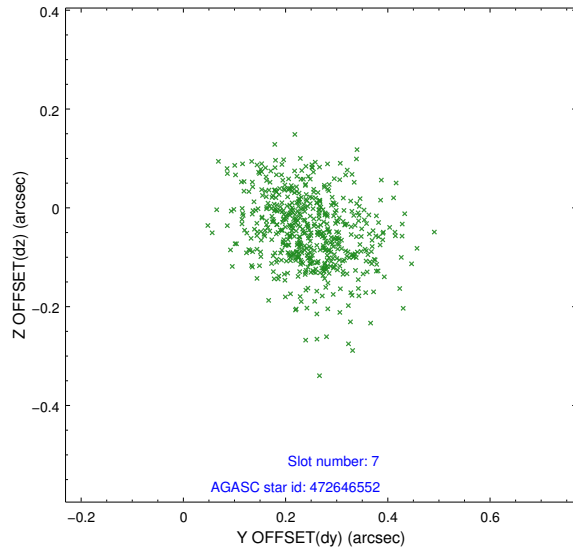
2.4.3 Slot 5



2.4.4 Slot 6

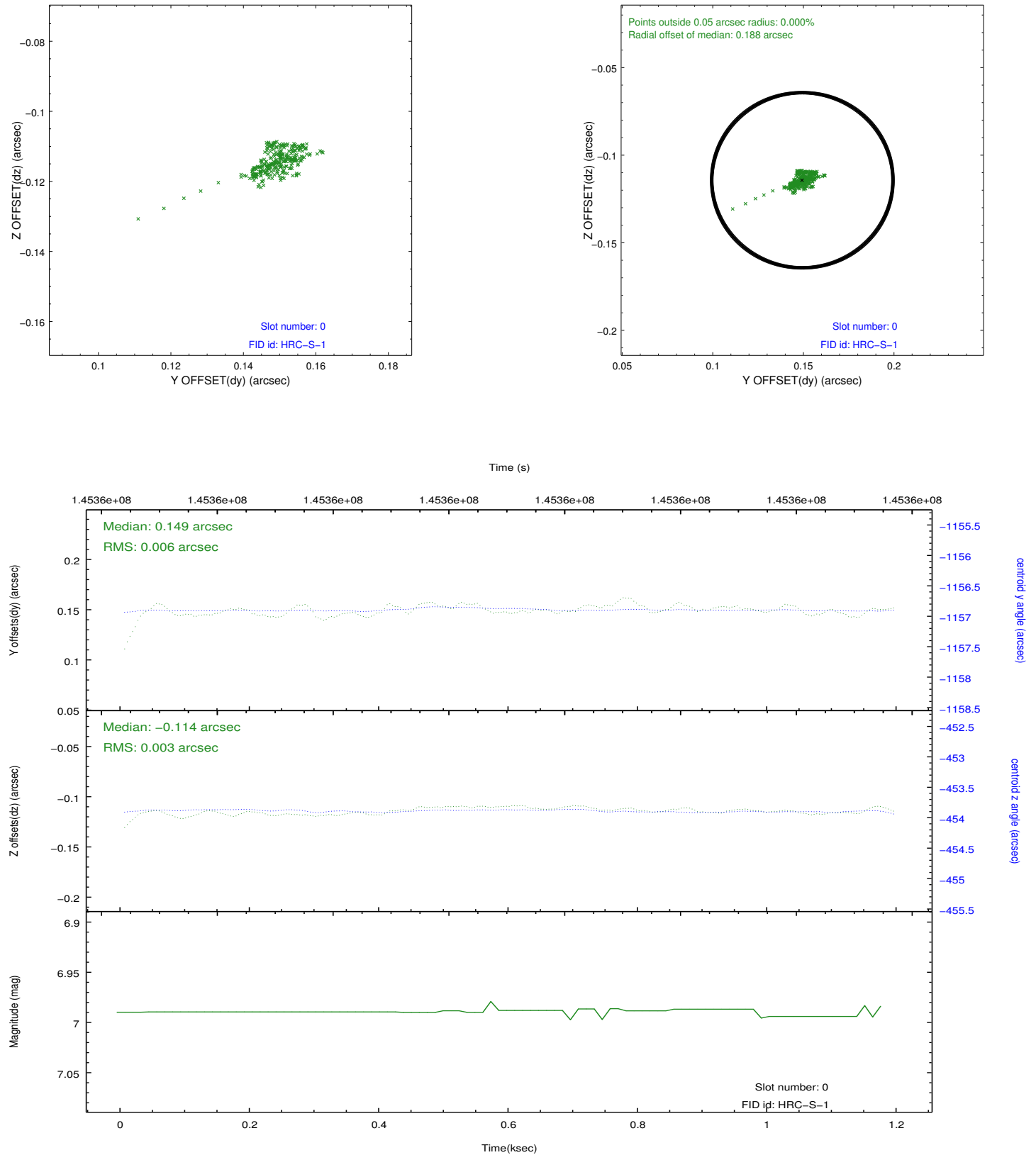


2.4.5 Slot 7

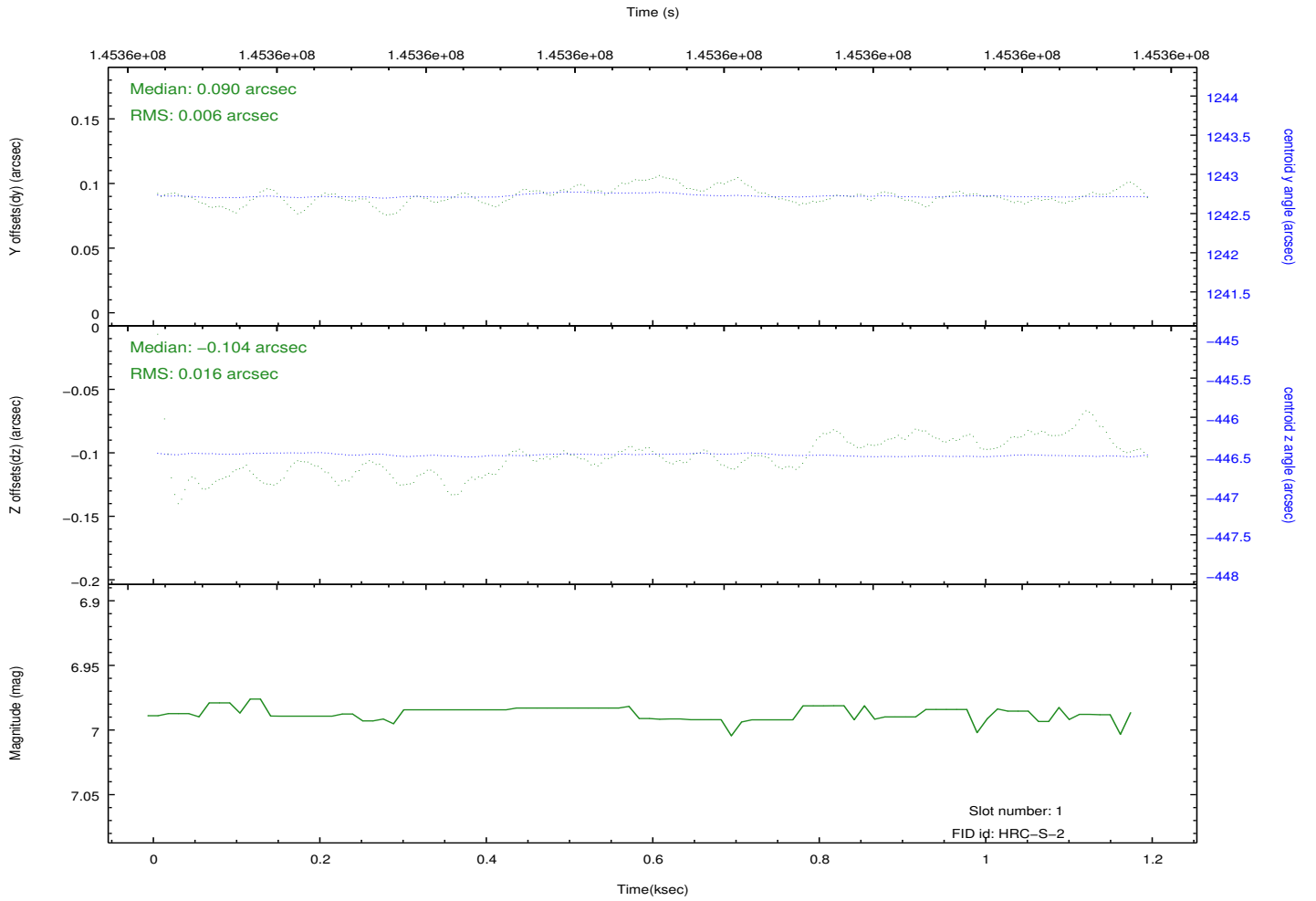
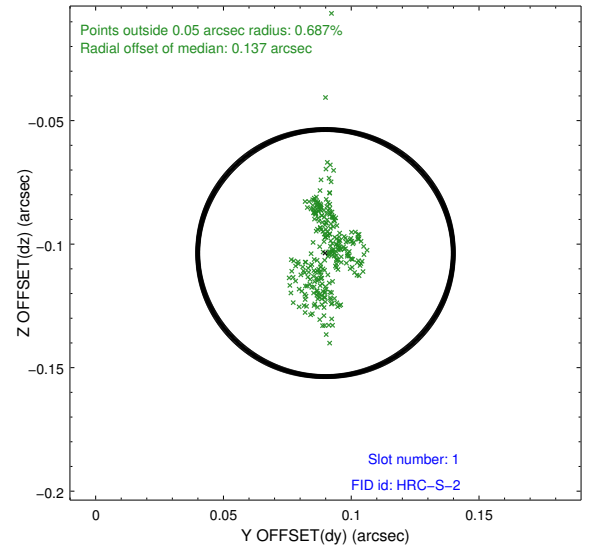
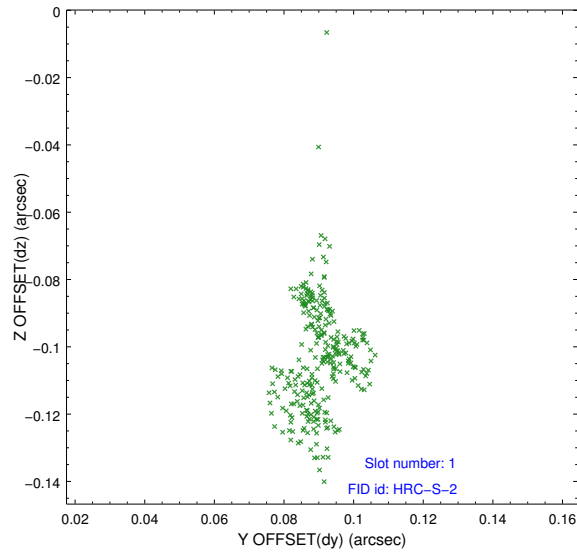


2.5 FID Slots

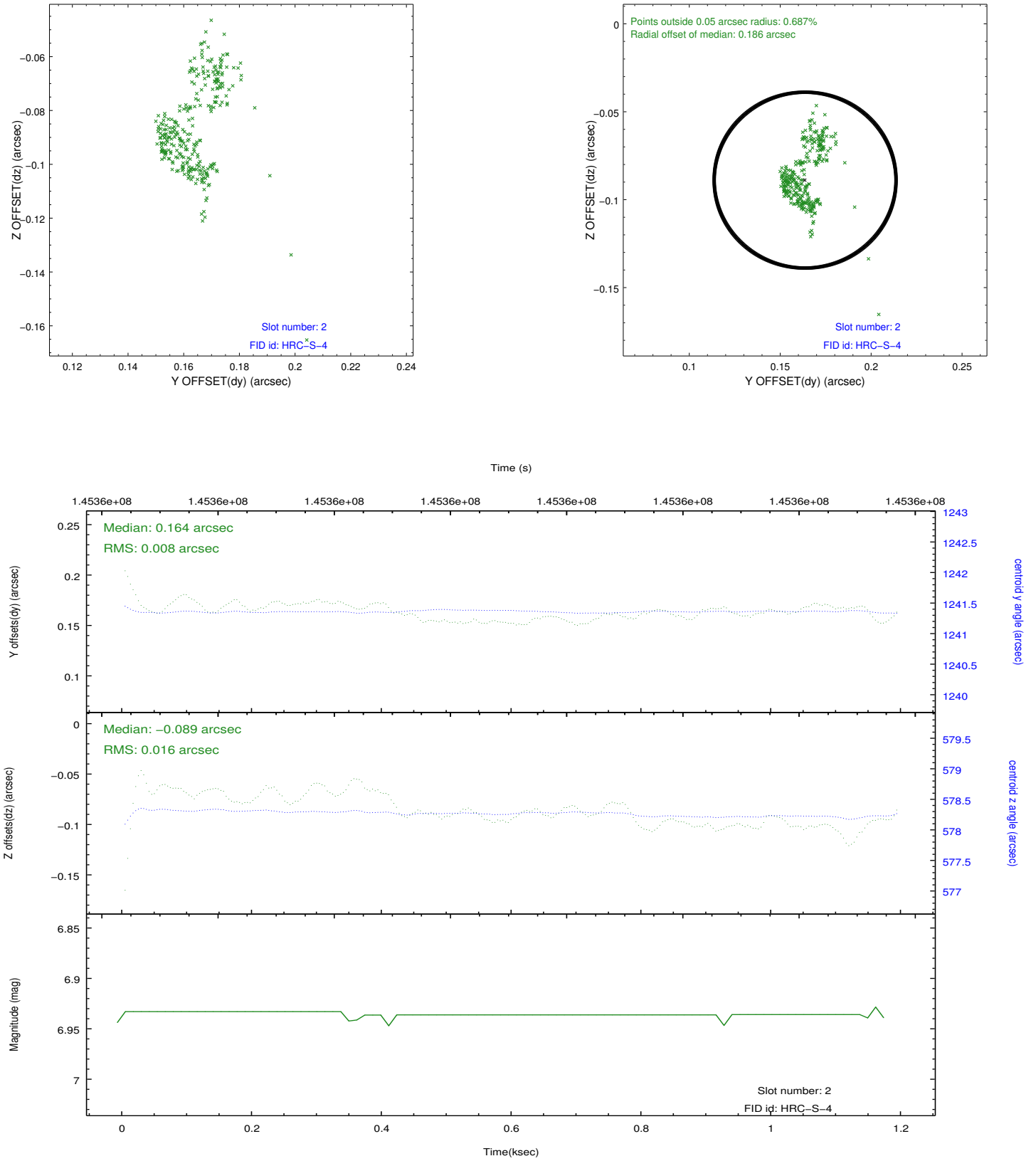
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

A.2 Comments

Charge time for this ObsId remains at previous value of 1.184 ks although with the new processing it would have been 1.14 ksec. Monitor constraint met.