

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2439 - L2 Version 5
Chandra X-Ray Center

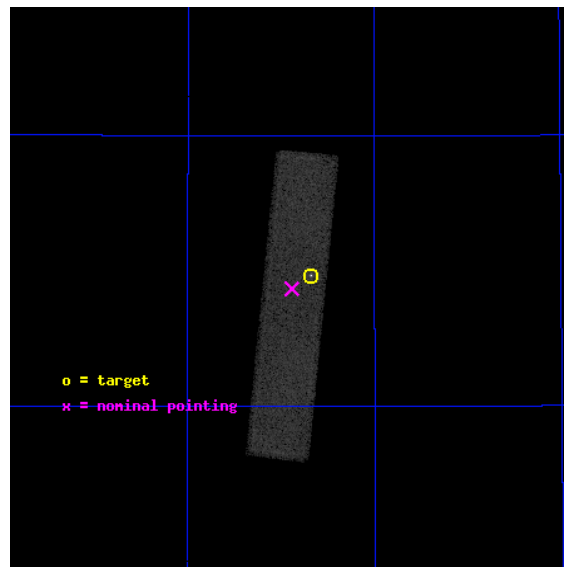
L2 Processing Date : Sep 18 2012

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1 Front

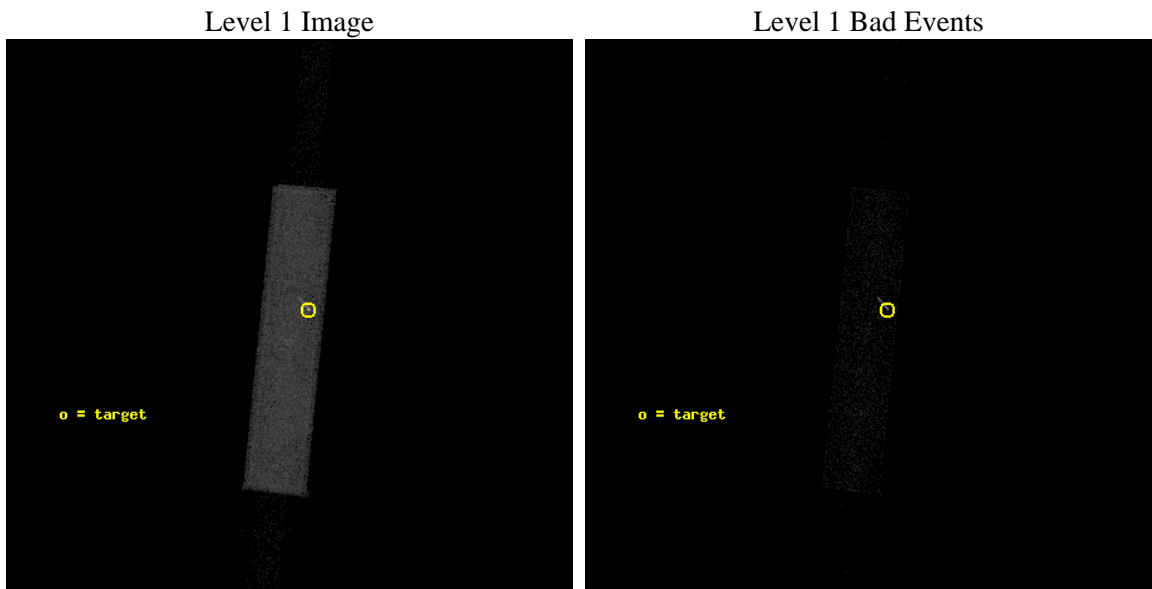
seq_num	290078	Sequence number
obs_id	2439	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22108160584	Nominal RA [deg]
dec_nom	45.717792015541	Nominal Dec [deg]
roll_nom	95.70229004587	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1375.8063034713	[s]
livetime	1367.2524701112	Ontime multiplied by DTCOR
l2events	61280	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1375.8063034713	[s]
caldbver	4.5.1.1	 	l1events	99389	Number of level 1 events
date	2012-09-18T22:54:27	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

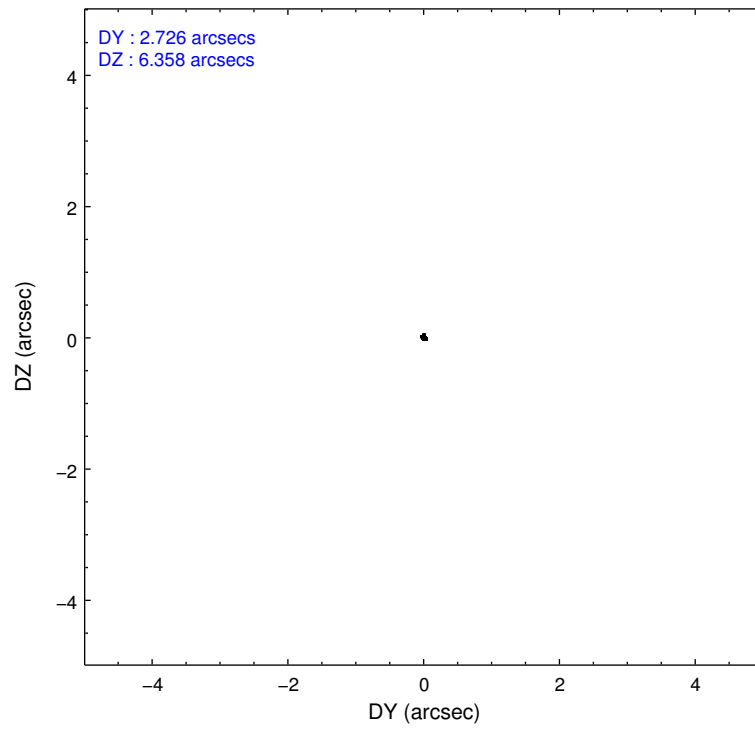
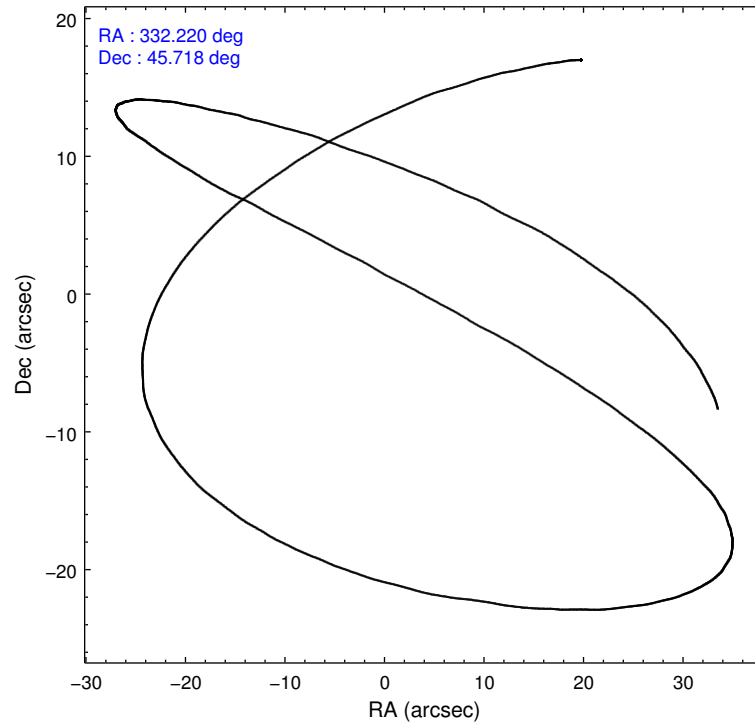
Level 1 Events

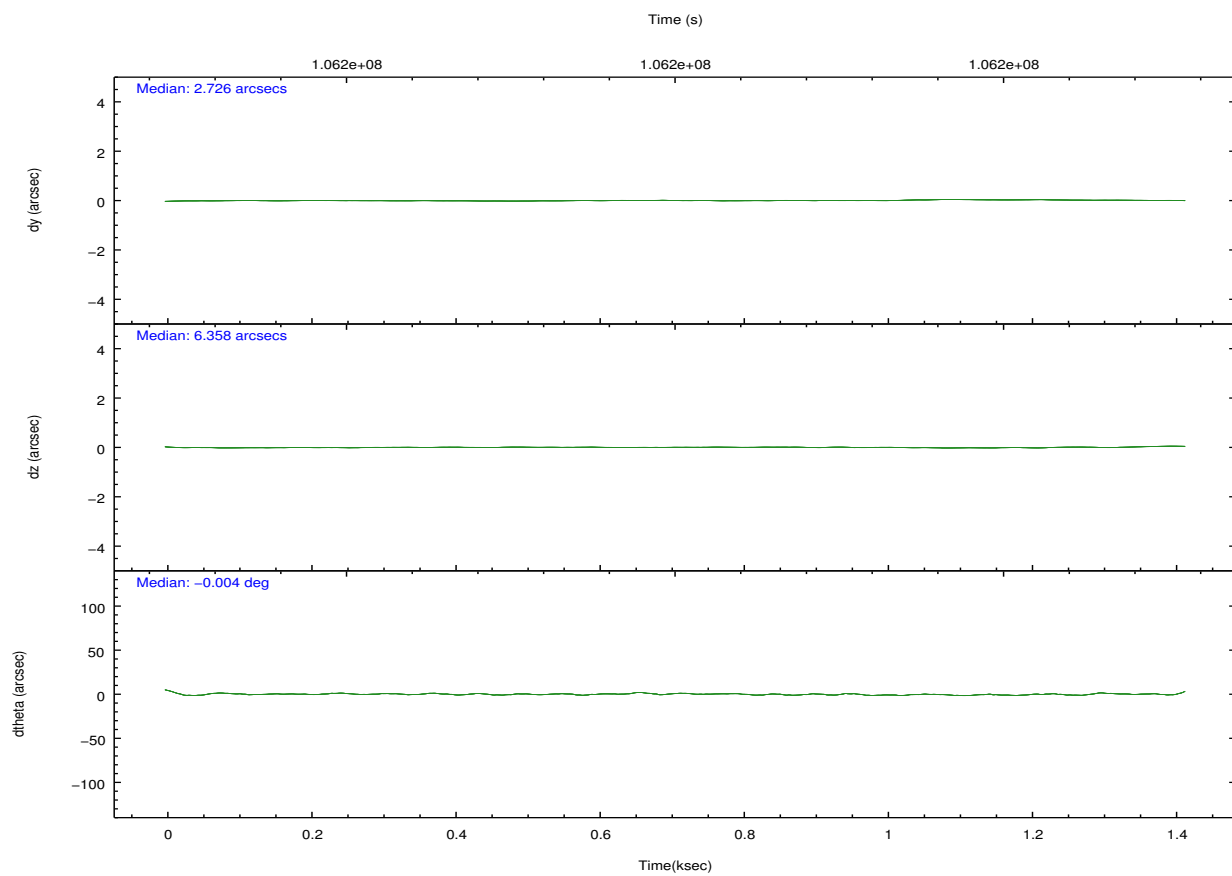
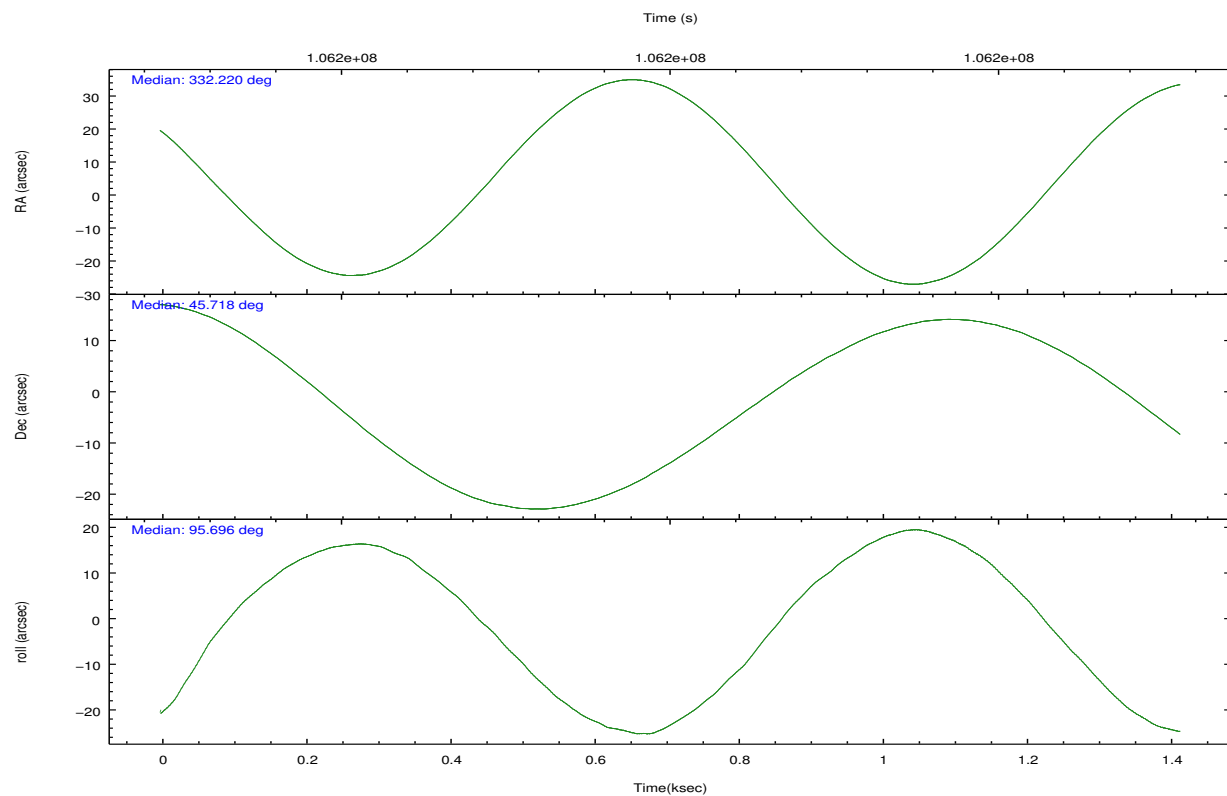
	segment 1	segment 2	segment 3
level 1 events	1533	96427	1429
rejected events	1533	23043	1429
rejected %	100%	23%	100%

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	332.247260	332.221081605836			
[deg] Pointing Dec	45.694712	45.71779201554132			
[deg] Pointing Roll	95.616249	95.70229004586976			
[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)	106200475.184000	106200098.94566			
Observation start date	2001-05-14T04:06:51	2001-05-14T04:01:38			
[s] Observation end time (MET)	106201709.184000	106201842.47073			
Observation end date	2001-05-14T04:27:25	2001-05-14T04:30:42			

2.3 Aspect



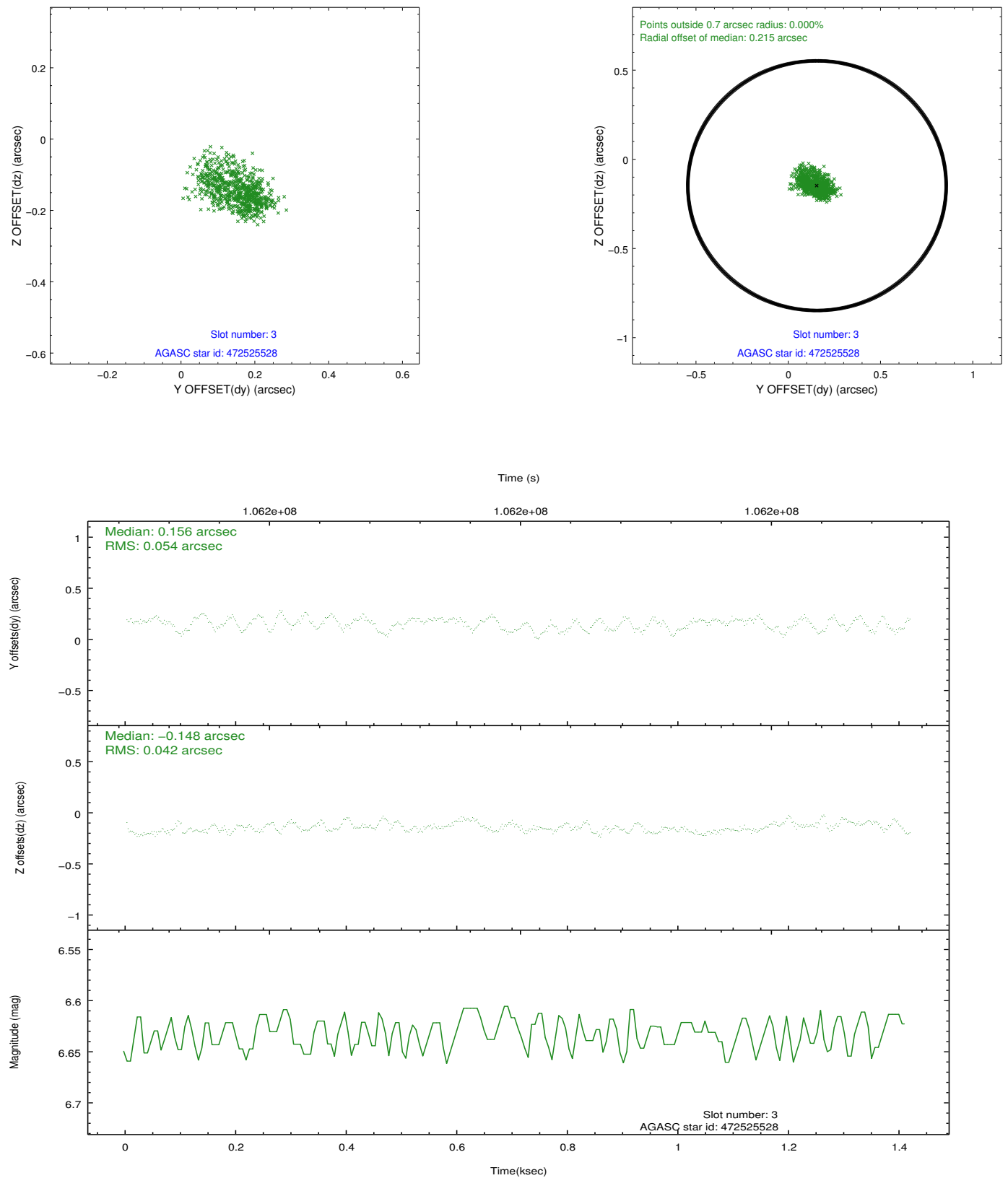


Slot Statistics

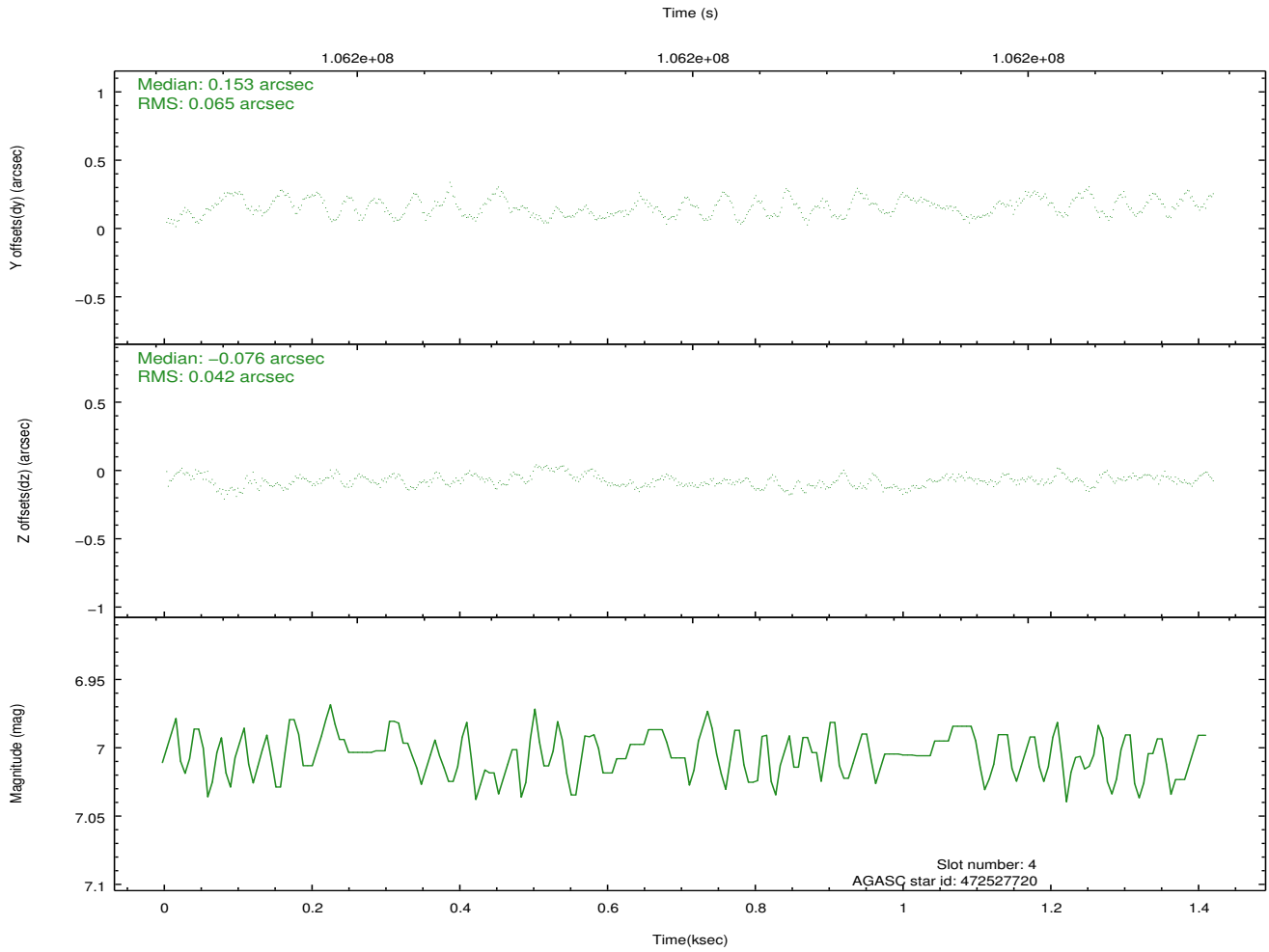
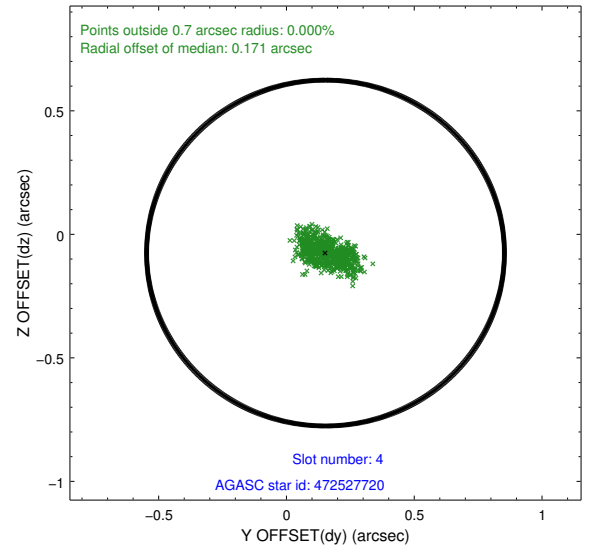
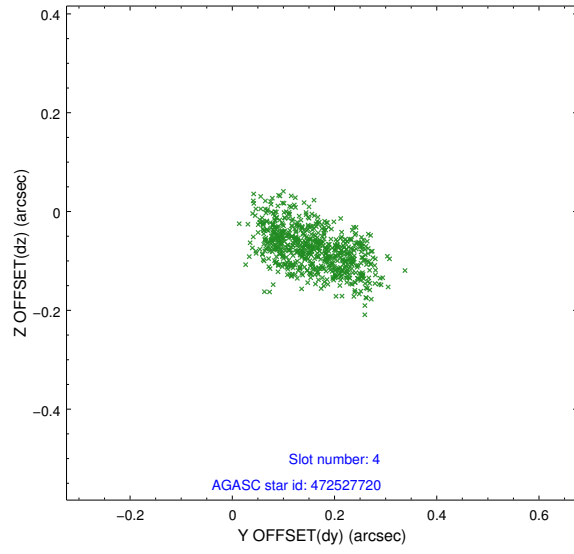
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	346	0.138	-0.105	0.004	0.009	0.000000	0.000000	-1156.75	-454.89
1	FID	HRC-S-2	6.98	346	0.124	-0.154	0.008	0.014	0.000000	0.000000	1239.57	-448.85
2	FID	HRC-S-4	6.93	346	0.141	-0.044	0.008	0.013	0.000000	0.000000	1245.08	576.01
3	GUIDE	472525528	6.63	692	0.156	-0.148	0.073	0.115	331.551102	45.248694	-1420.53	1909.87
4	GUIDE	472527720	7.00	692	0.153	-0.076	0.083	0.129	331.460205	45.112509	-1885.41	2194.48
5	GUIDE	472535576	7.85	692	-0.197	-0.058	0.048	0.075	331.438373	46.291802	2340.45	1792.41
6	GUIDE	472523760	8.24	692	0.051	0.034	0.051	0.085	331.645363	45.403260	-889.15	1616.53
7	GUIDE	472665256	9.00	691	-0.153	0.247	0.071	0.118	332.808125	46.195041	1656.66	-1567.16

2.4 Star Slots

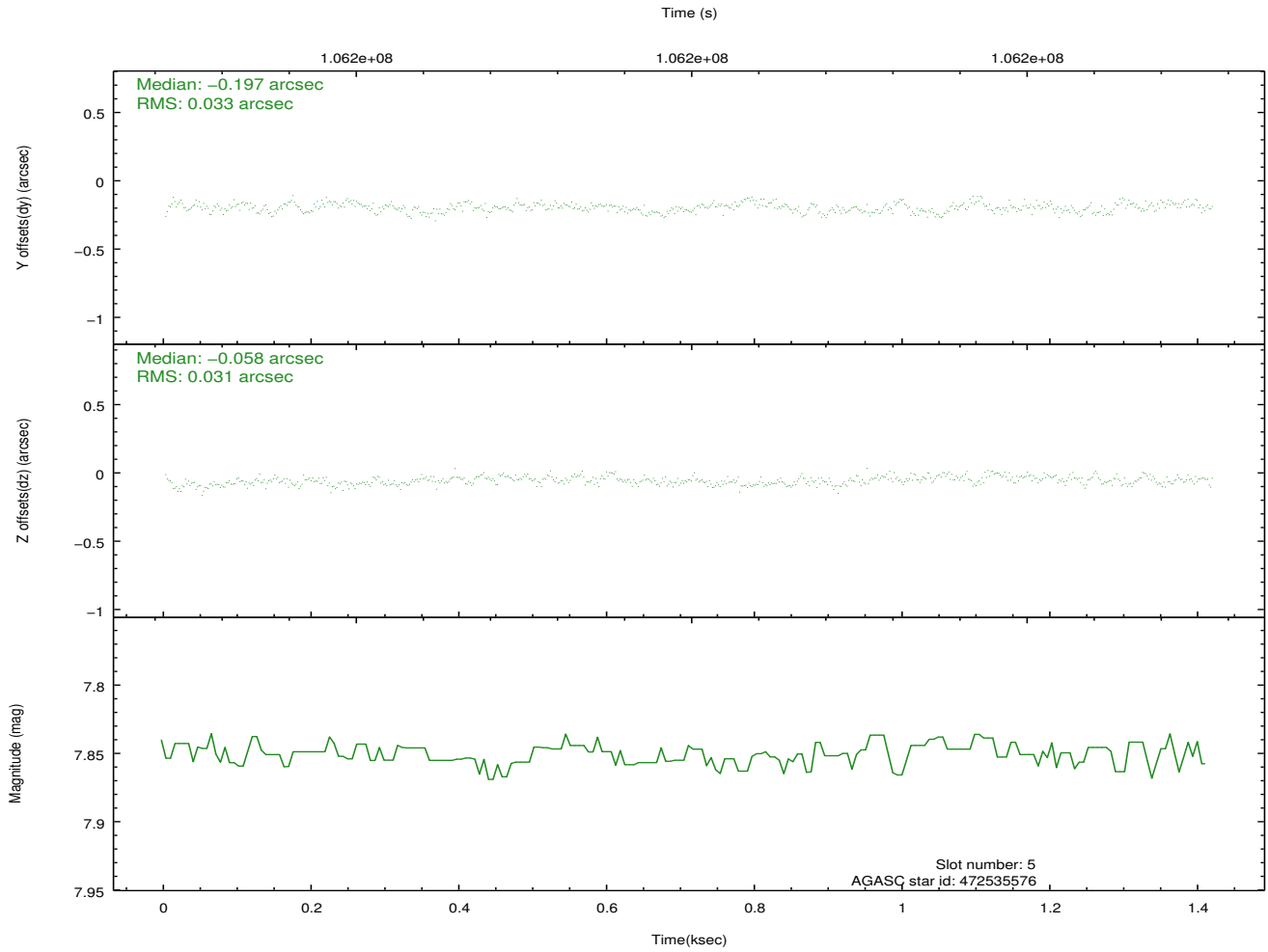
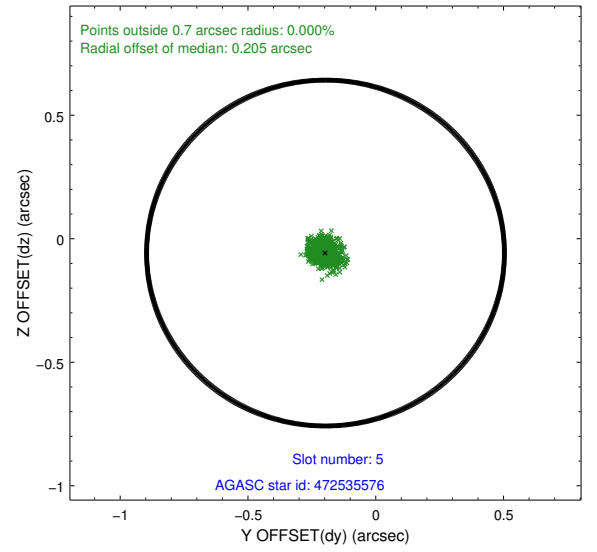
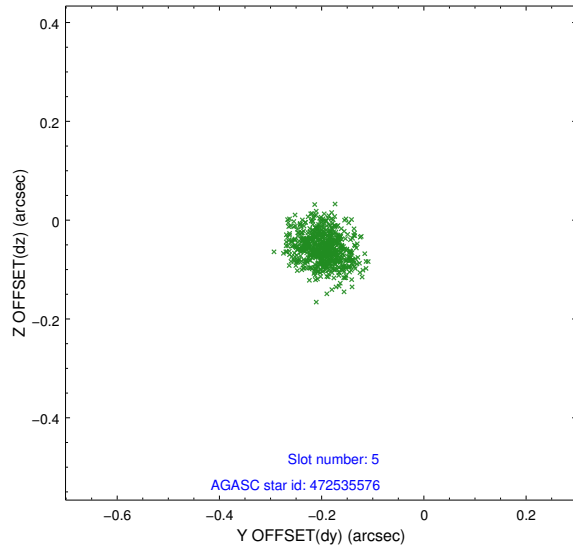
2.4.1 Slot 3



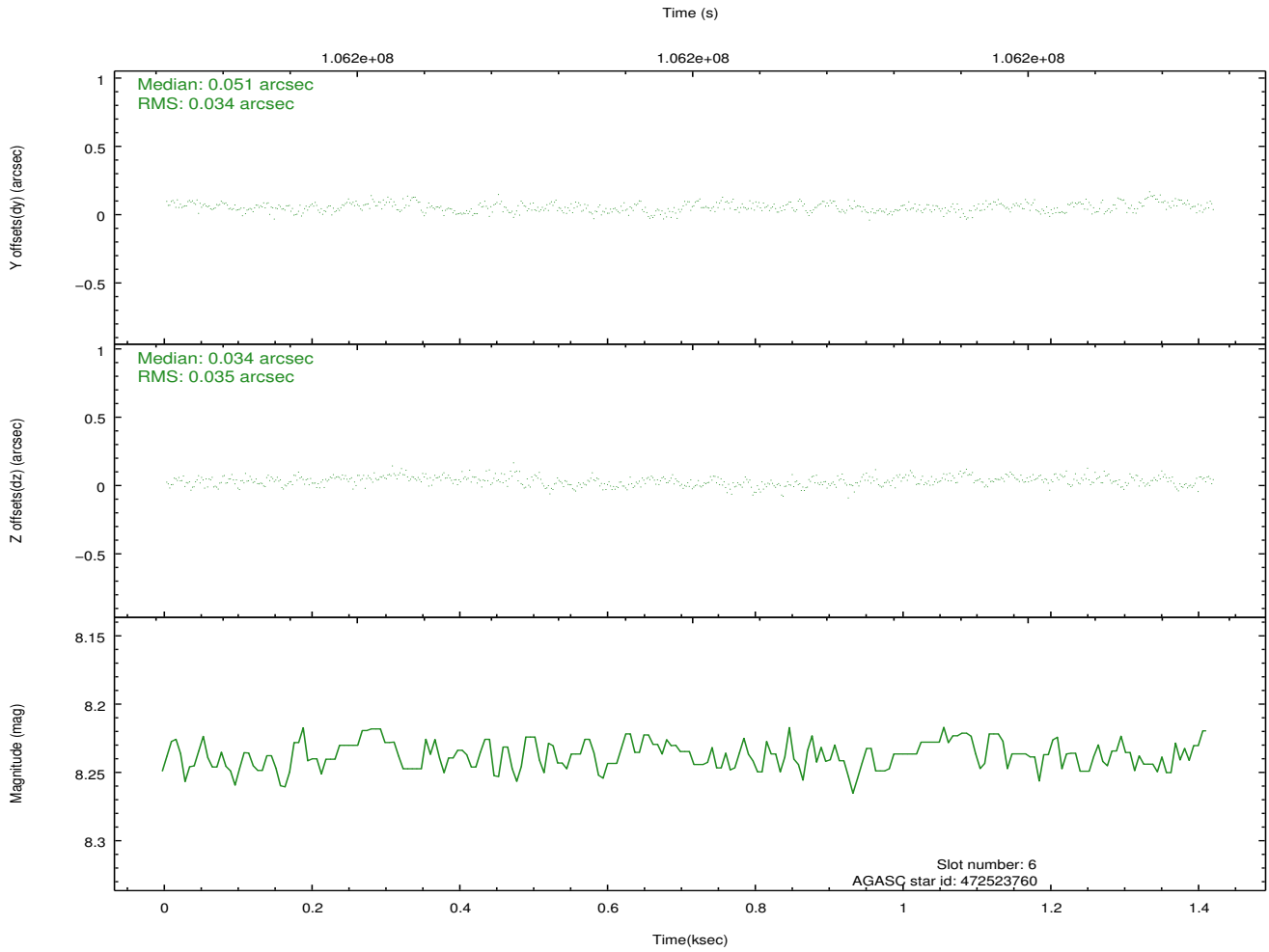
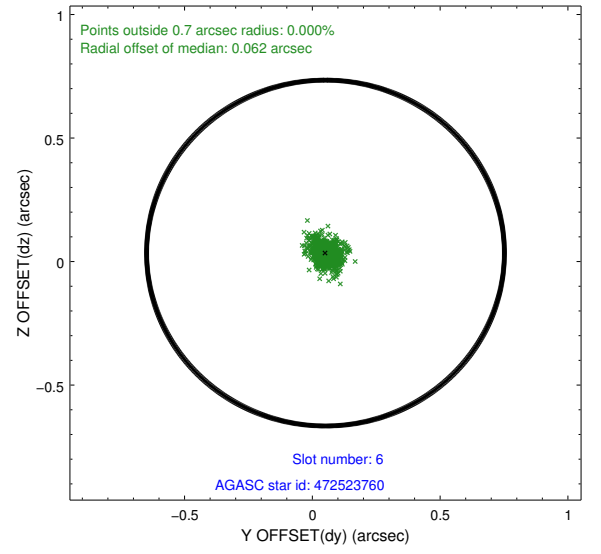
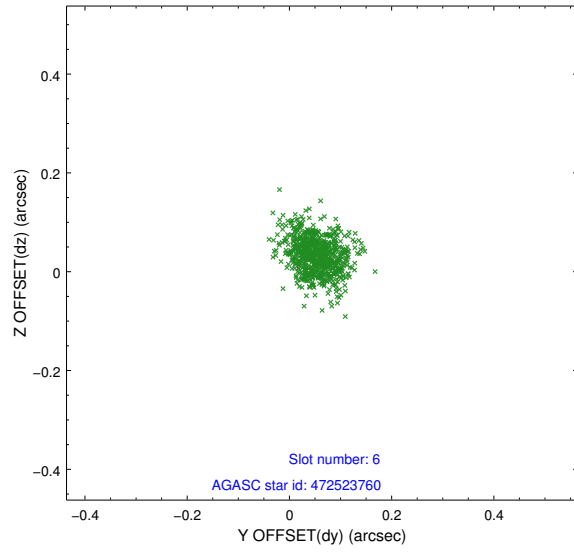
2.4.2 Slot 4



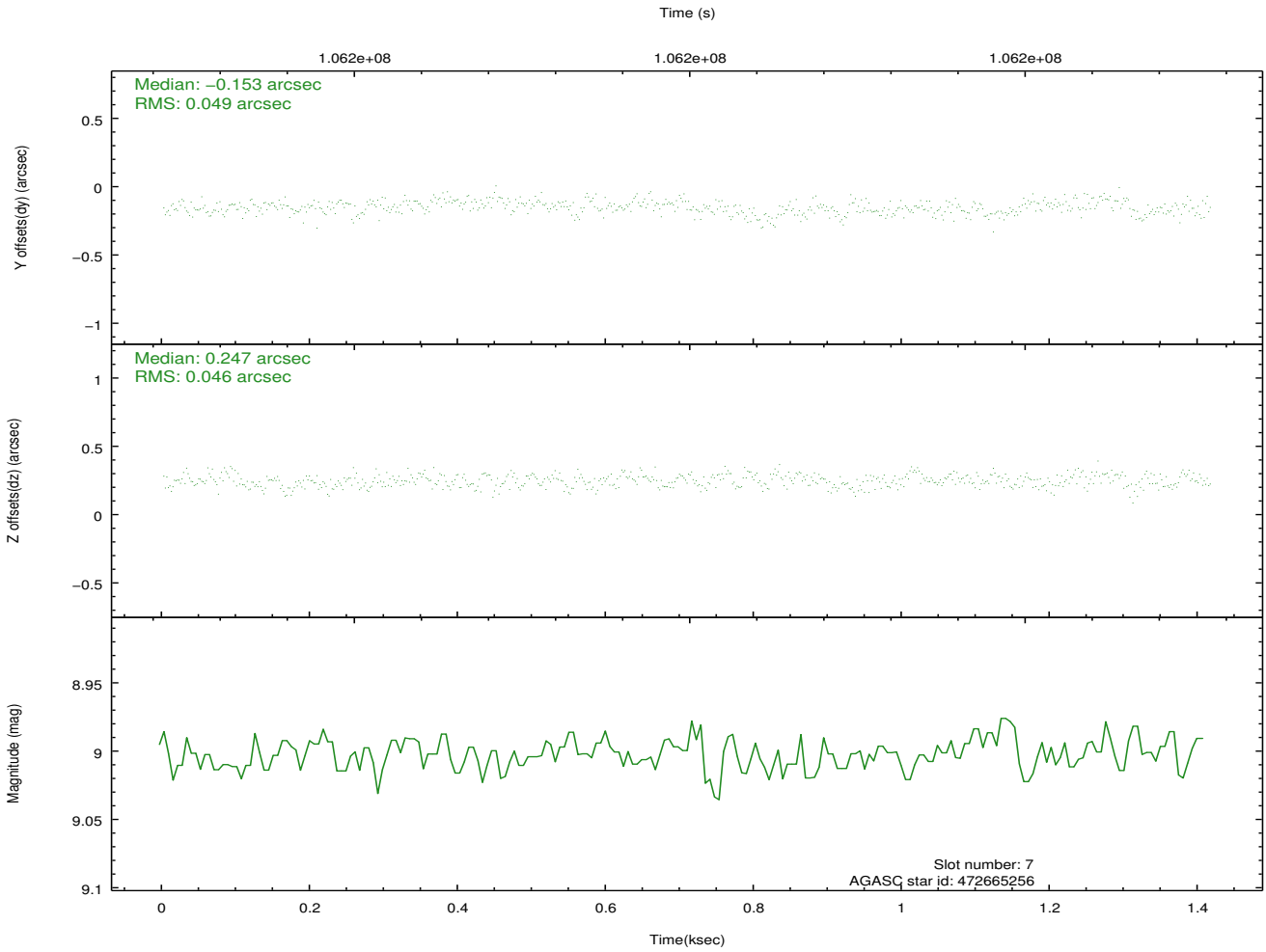
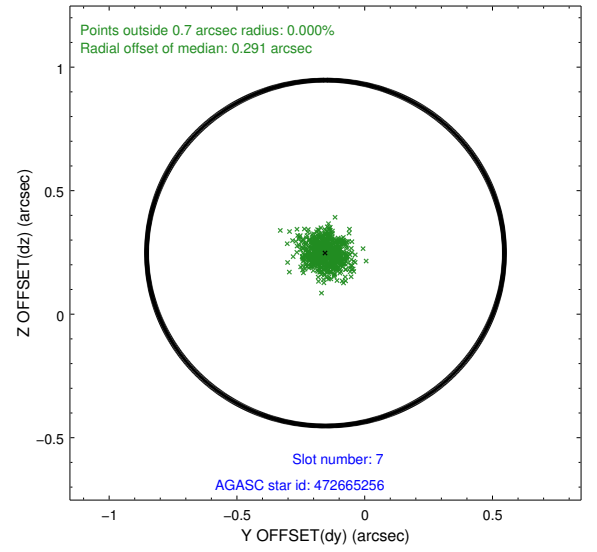
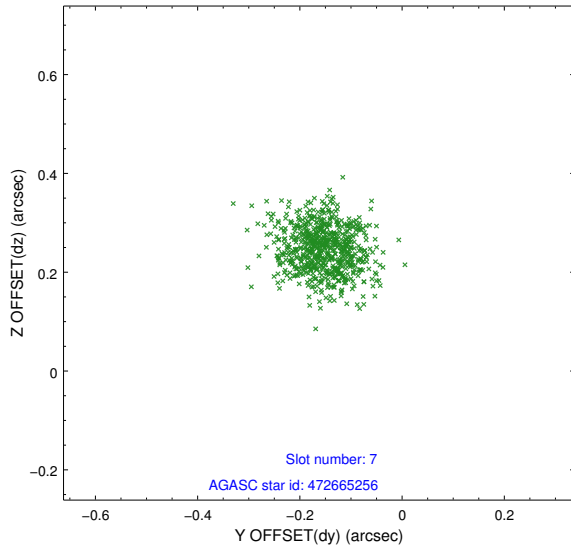
2.4.3 Slot 5



2.4.4 Slot 6

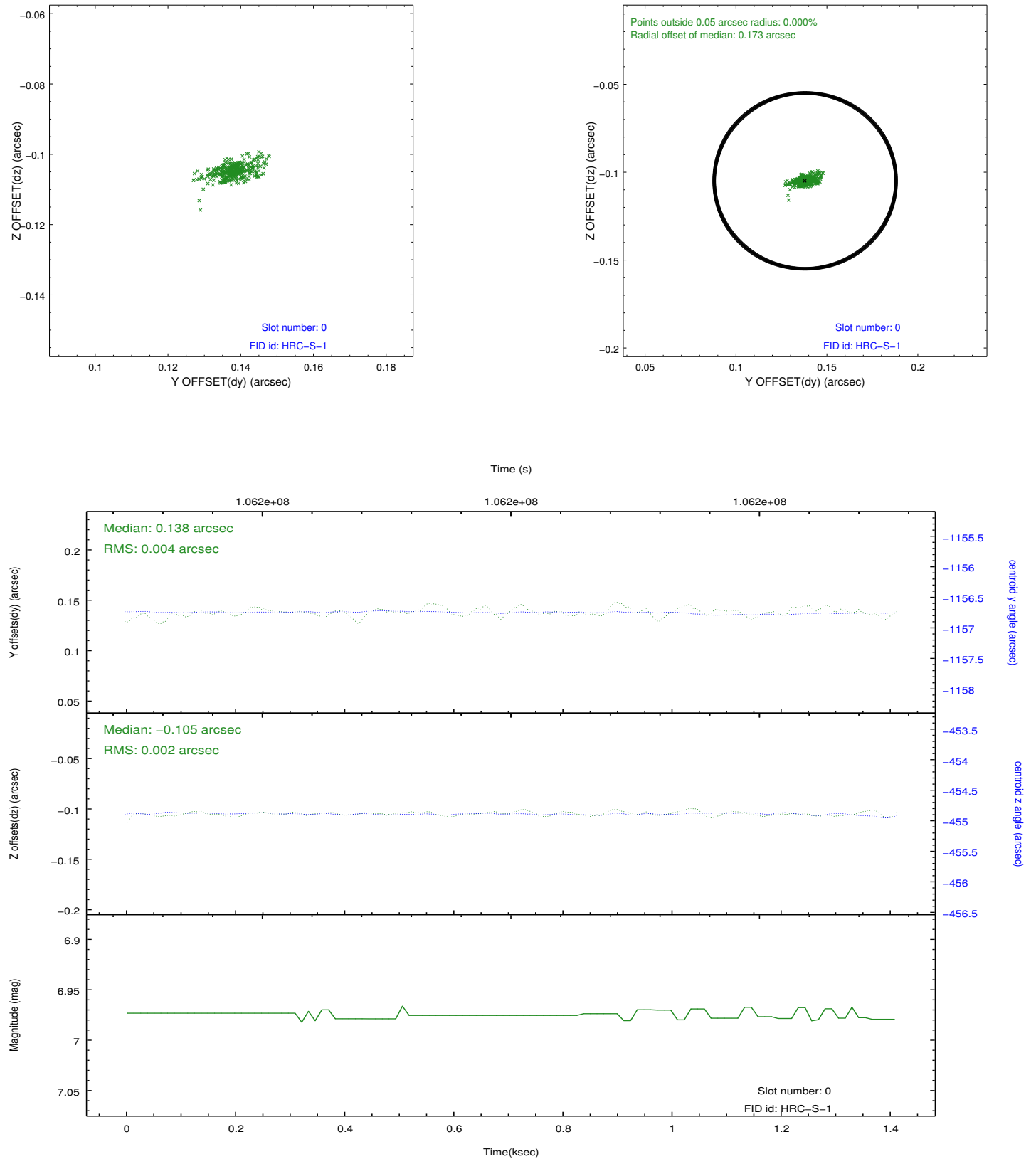


2.4.5 Slot 7

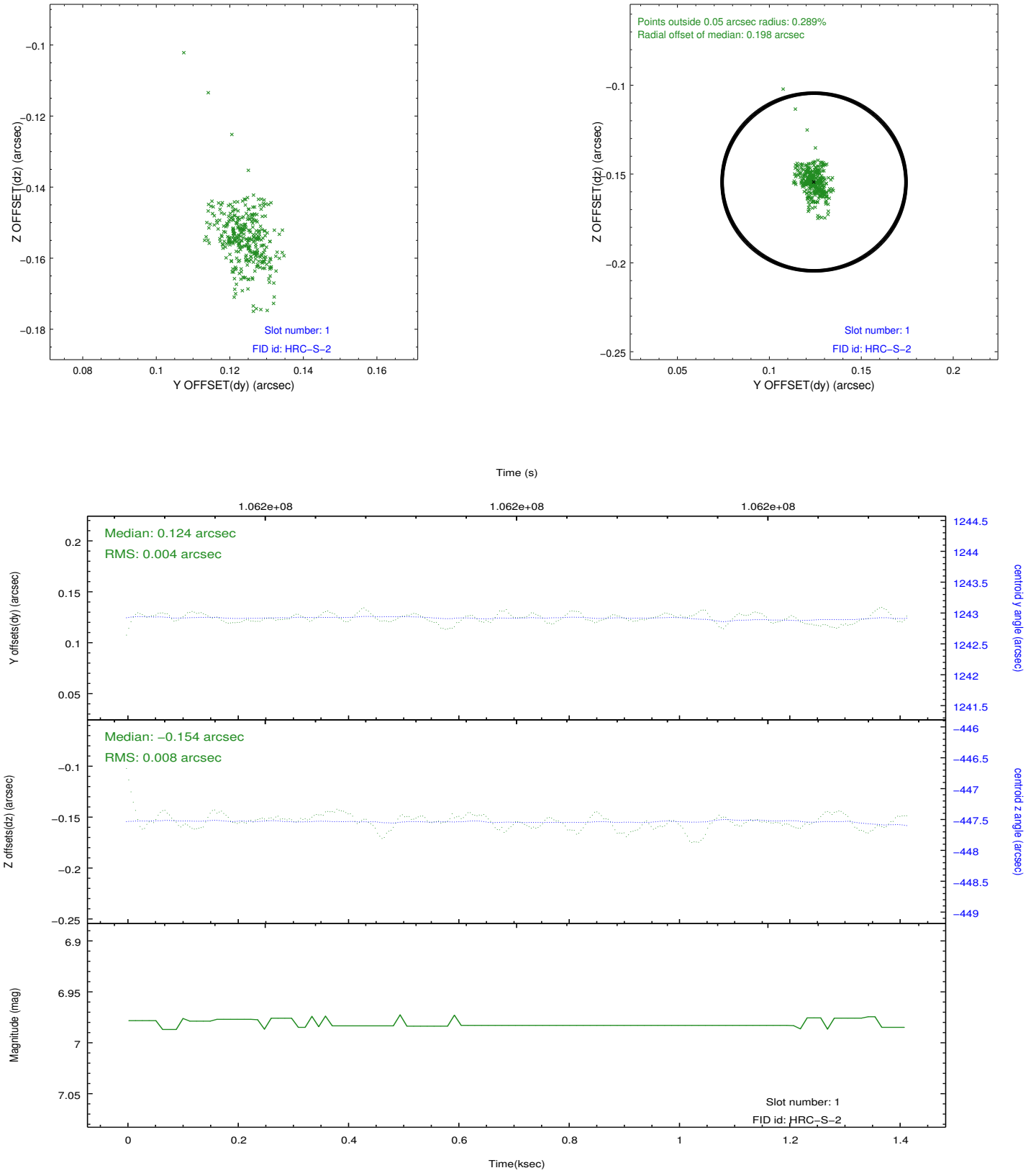


2.5 FID Slots

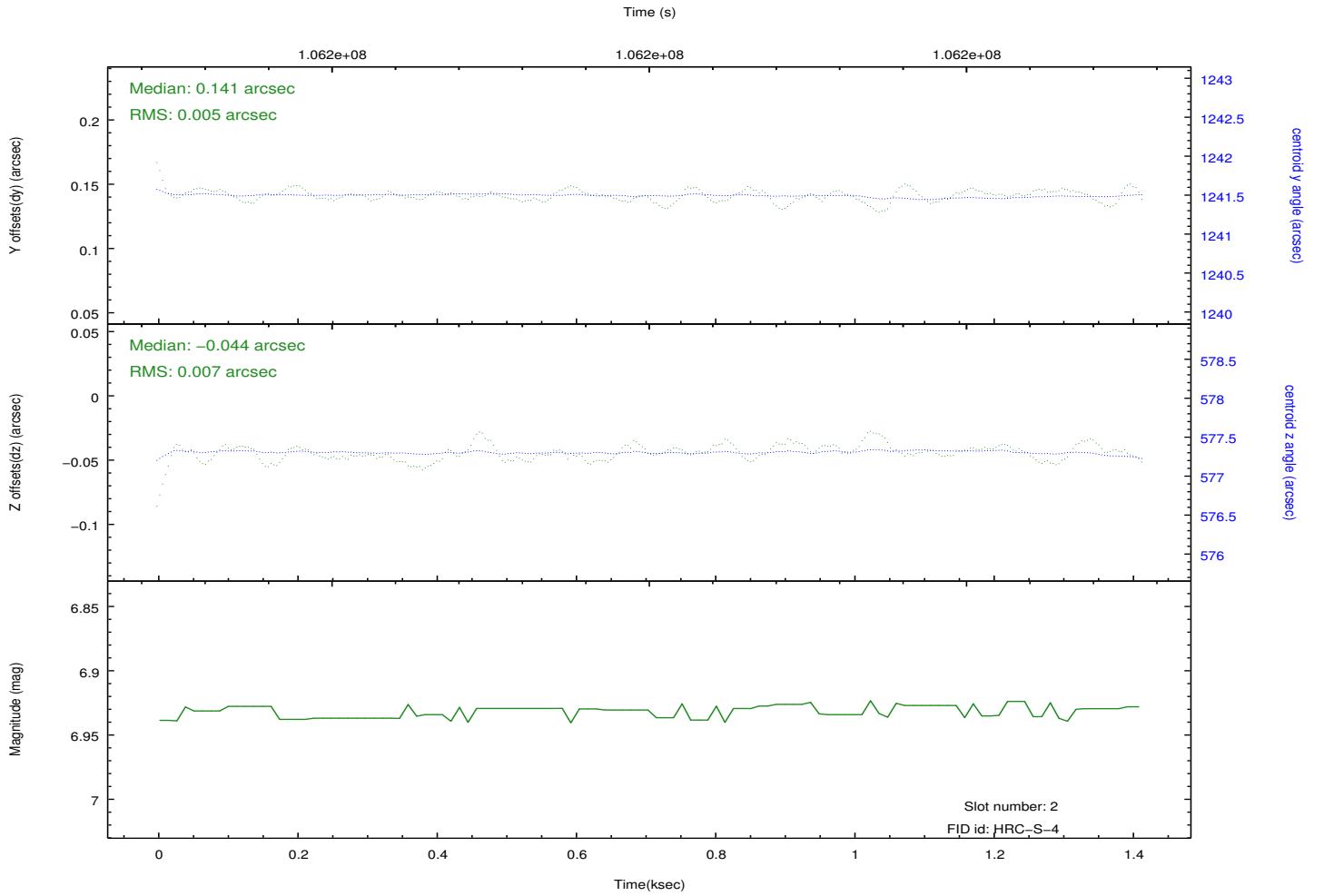
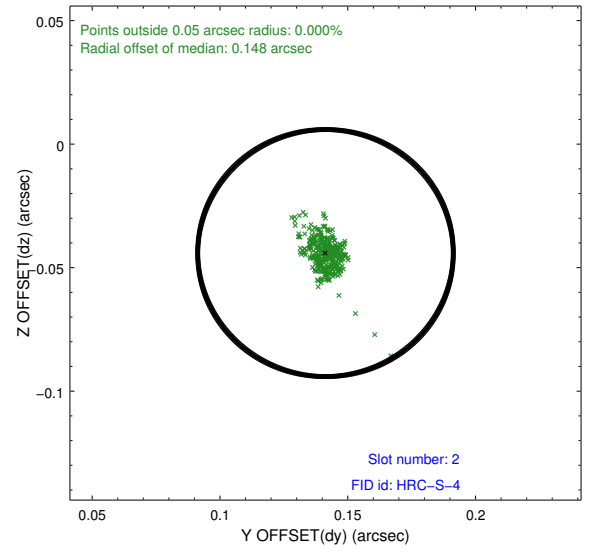
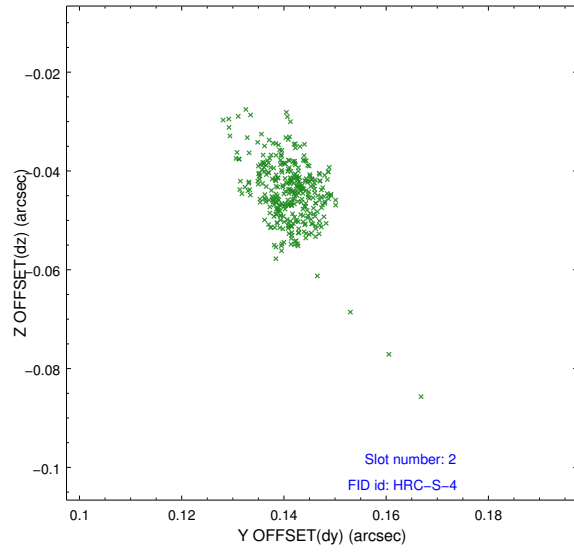
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.41

A.2 Comments

Charge time for this ObsId remains at previous value of 1.41 ks although with the current processing the charge time would have been 1.38 ksec.