

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2447 - L2 Version 5
Chandra X-Ray Center

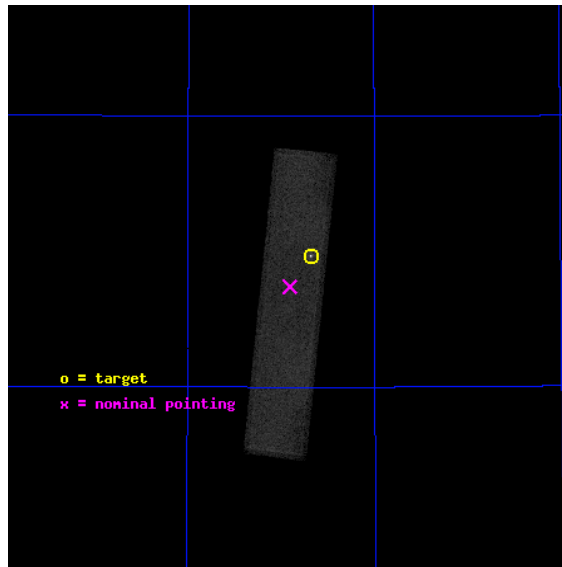
L2 Processing Date : Sep 18 2012

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1 Front

seq_num	290078	Sequence number
obs_id	2447	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	332.226357029	Nominal RA [deg]
dec_nom	45.68520606073	Nominal Dec [deg]
roll_nom	95.854164573792	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1375.8063034564	[s]
livetime	1363.6368602966	Ontime multiplied by DTCOR
l2events	94371	Number of level 2 events

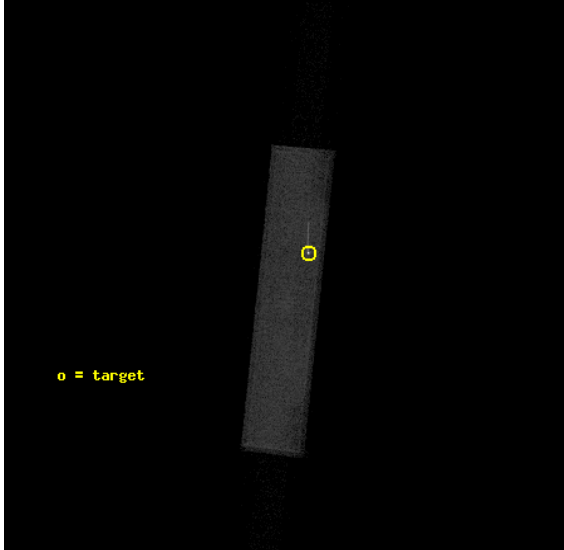


2 OBI

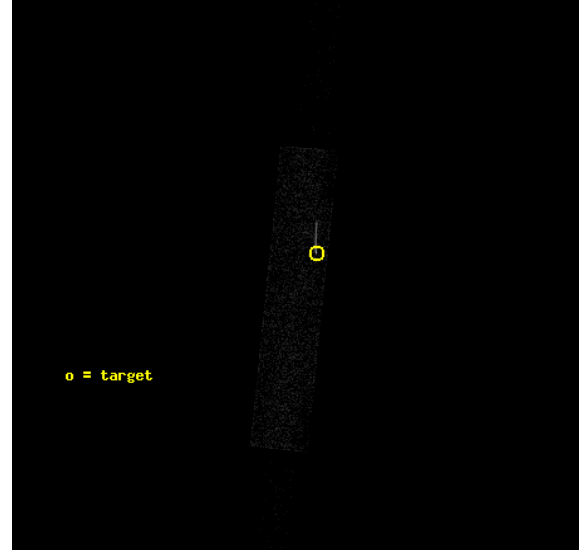
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1375.8063034564	[s]
caldbver	4.5.1.1	 	l1events	137864	Number of level 1 events
date	2012-09-18T22:55:15	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

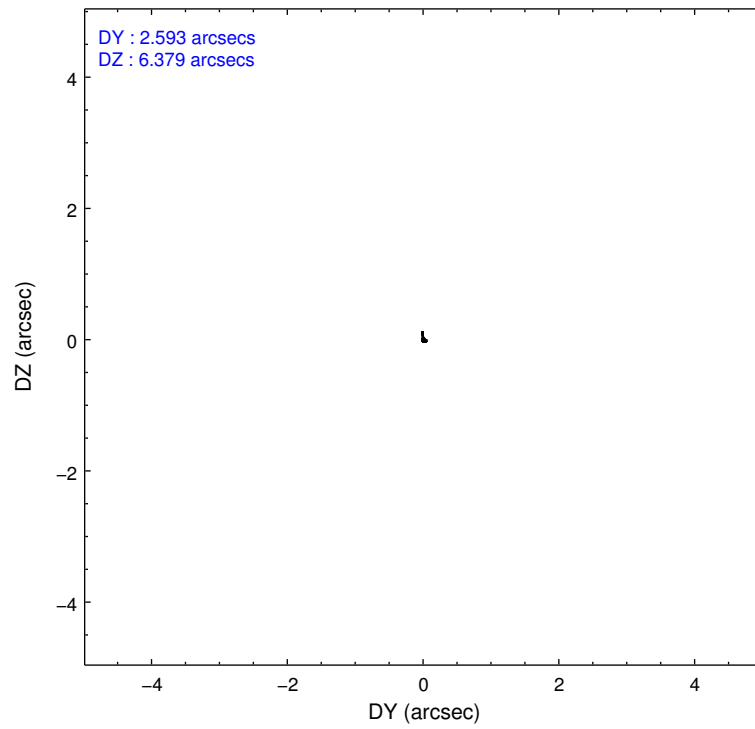
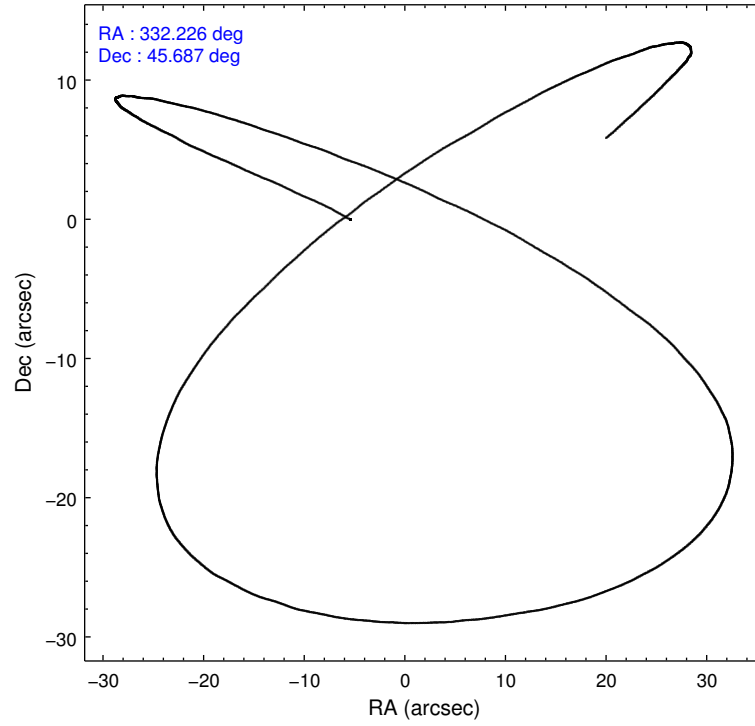
Level 1 Events

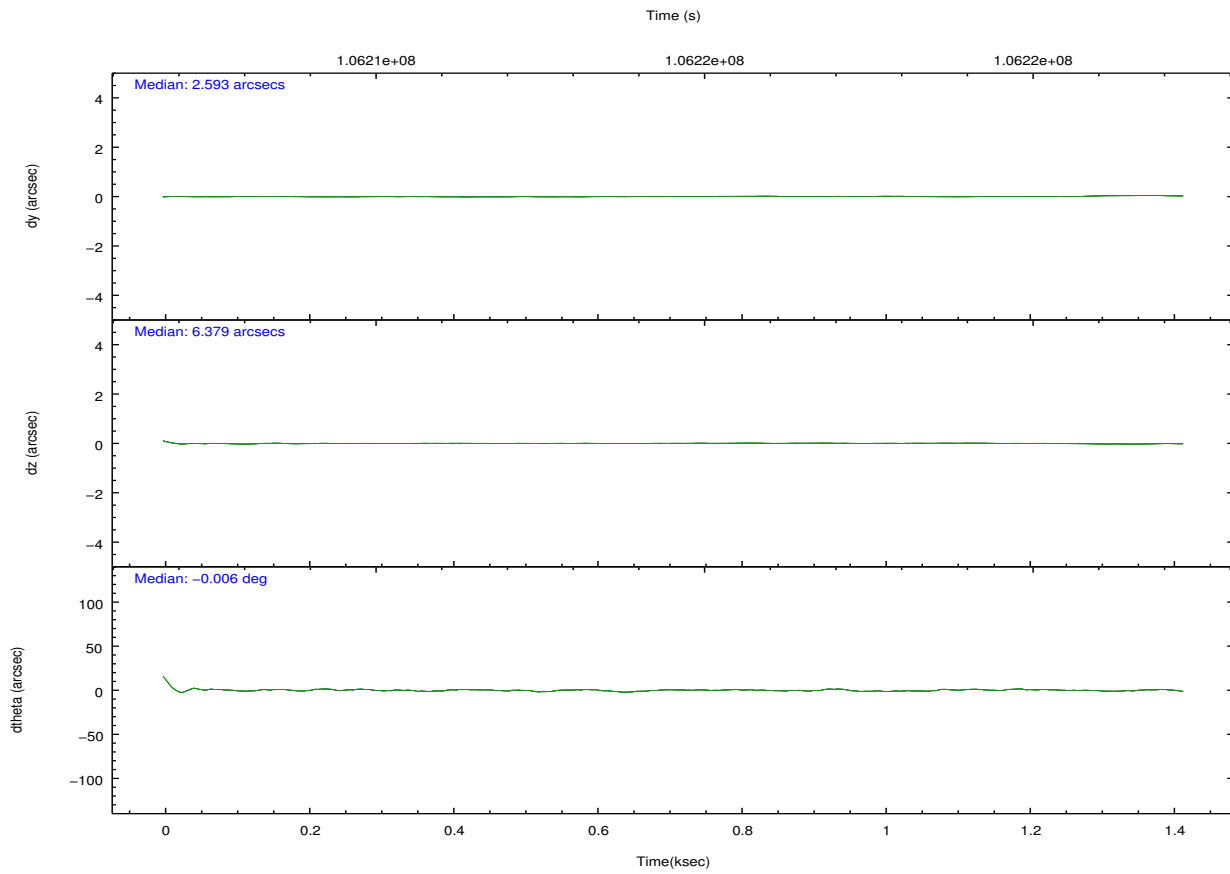
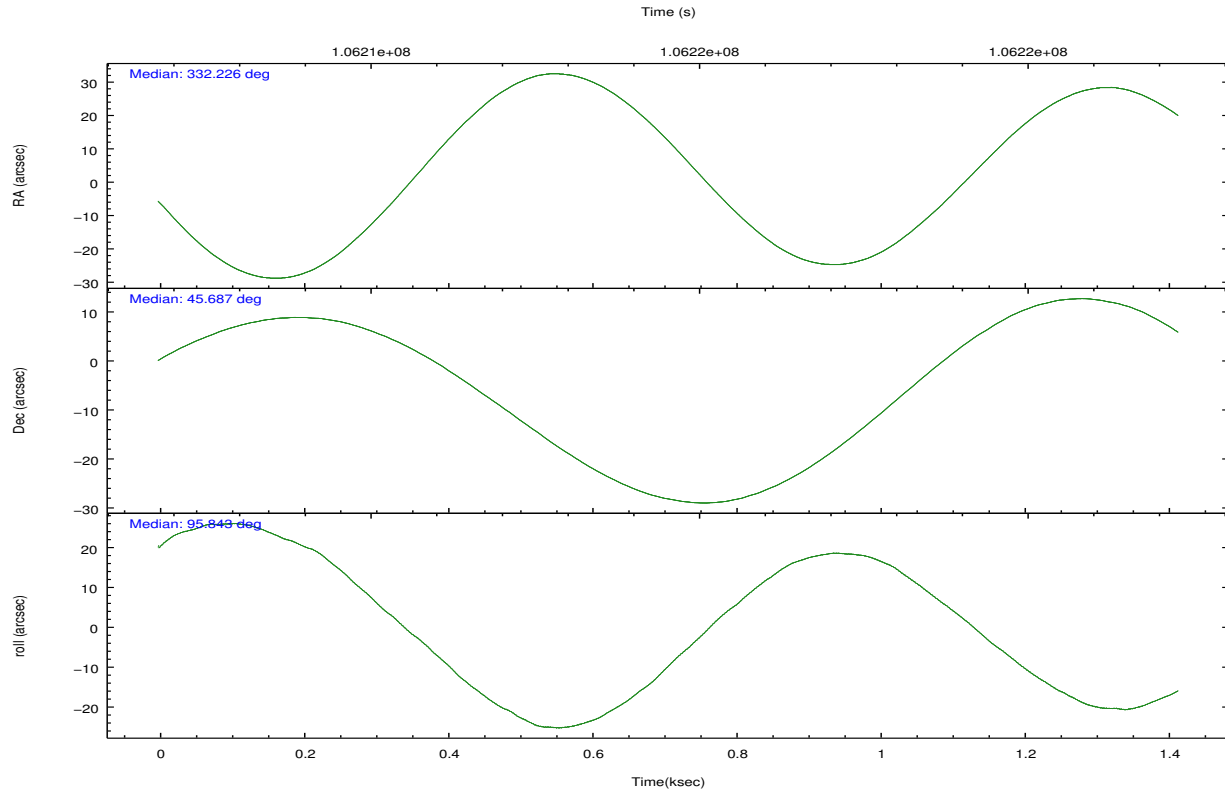
	segment 1	segment 2	segment 3
level 1 events	1526	135063	1275
rejected events	1526	27204	1275
rejected %	100%	20%	100%

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	332.252242	332.2263570289971			
[deg] Pointing Dec	45.661692	45.68520606073024			
[deg] Pointing Roll	95.768282	95.85416457379151			
[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)	106214427.184000	106214050.7337			
Observation start date	2001-05-14T07:59:23	2001-05-14T07:54:10			
[s] Observation end time (MET)	106215661.184000	106215794.77127			
Observation end date	2001-05-14T08:19:57	2001-05-14T08:23:14			

2.3 Aspect



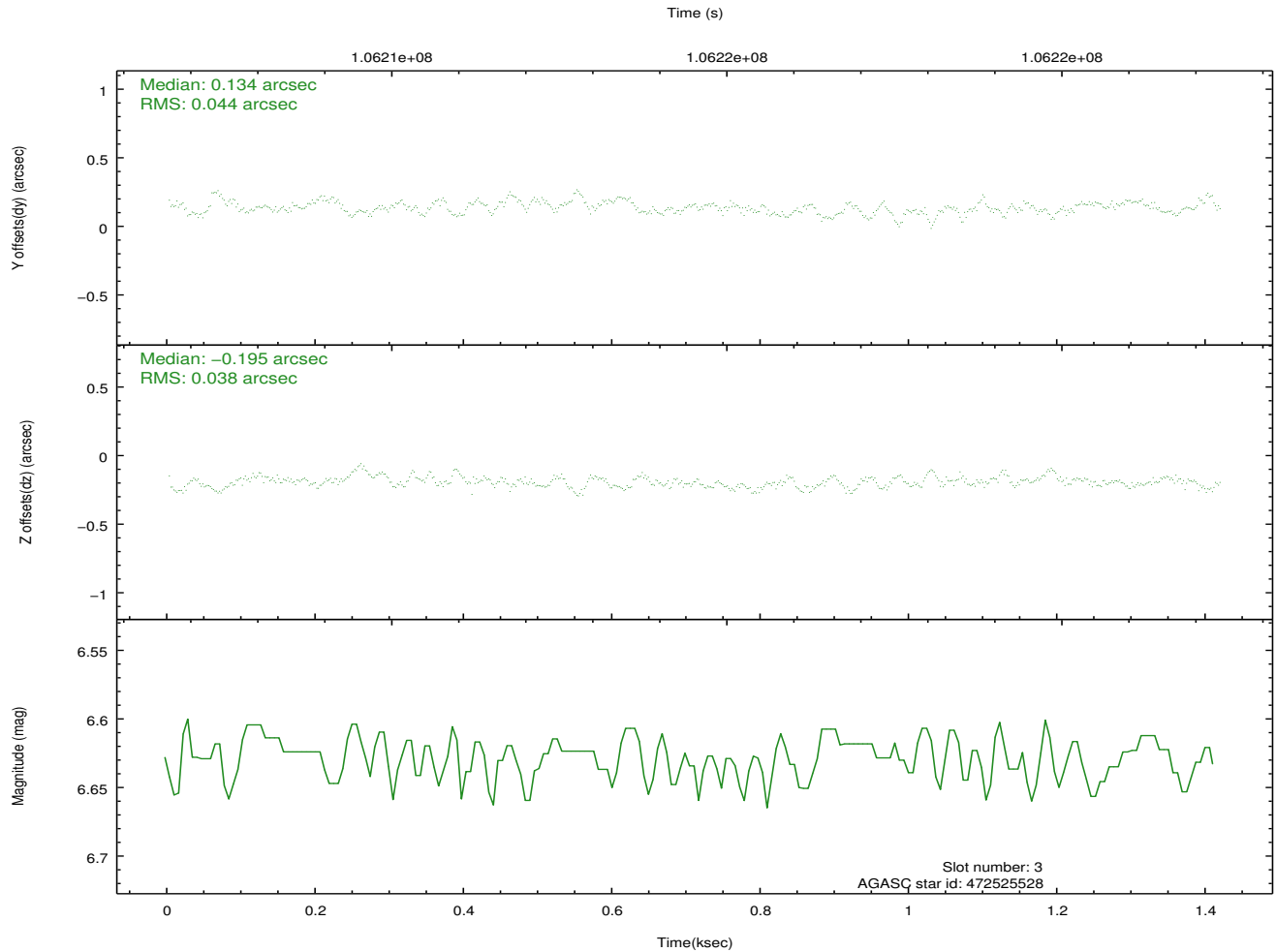
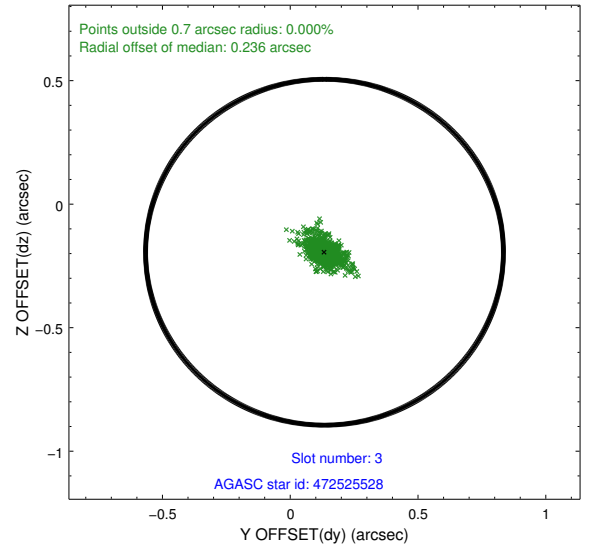
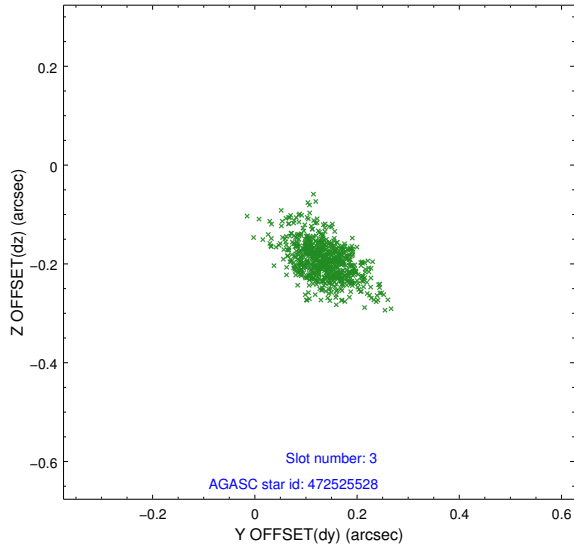


Slot Statistics

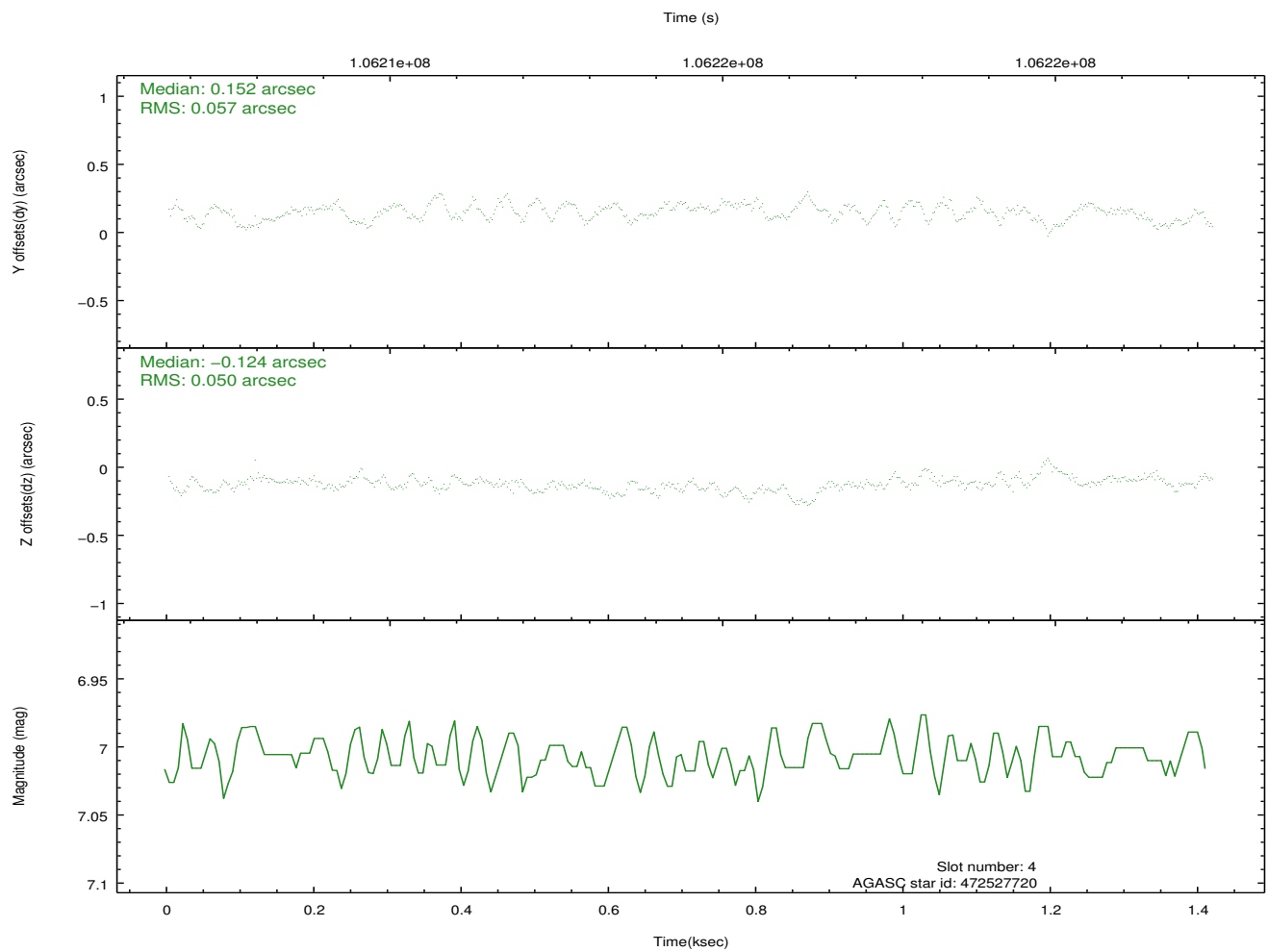
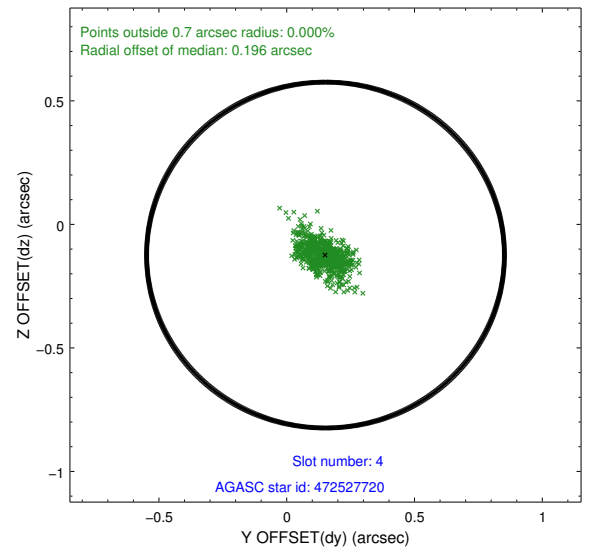
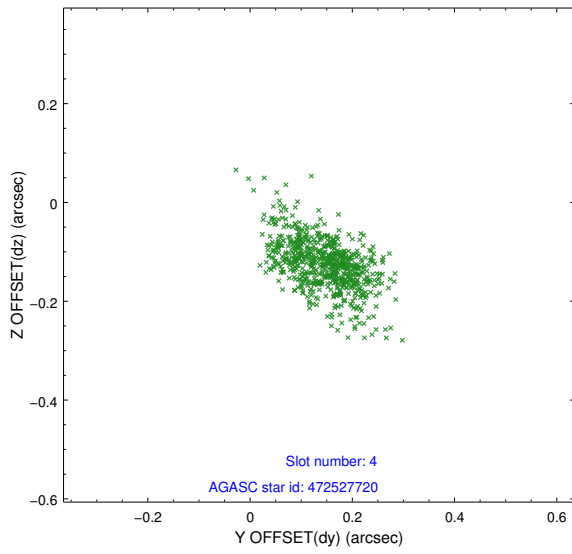
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	346	0.107	-0.109	0.006	0.011	0.000000	0.000000	-1156.63	-454.94
1	FID	HRC-S-3	7.00	346	0.154	-0.098	0.008	0.013	0.000000	0.000000	-1162.69	573.29
2	FID	HRC-S-4	6.93	346	0.126	-0.091	0.005	0.009	0.000000	0.000000	1238.25	578.92
3	GUIDE	472525528	6.63	692	0.134	-0.195	0.058	0.111	331.551102	45.248694	-1297.30	1915.09
4	GUIDE	472527720	7.01	692	0.152	-0.124	0.079	0.136	331.460205	45.112509	-1761.25	2200.92
5	GUIDE	472523760	8.24	692	-0.001	-0.001	0.068	0.109	331.645363	45.403260	-772.67	1620.97
6	GUIDE	472665256	9.00	692	-0.176	0.217	0.069	0.118	332.808125	46.195041	1770.89	-1569.98
7	GUIDE	472659832	9.45	690	-0.103	0.101	0.088	0.142	332.780399	46.098139	1433.81	-1473.22

2.4 Star Slots

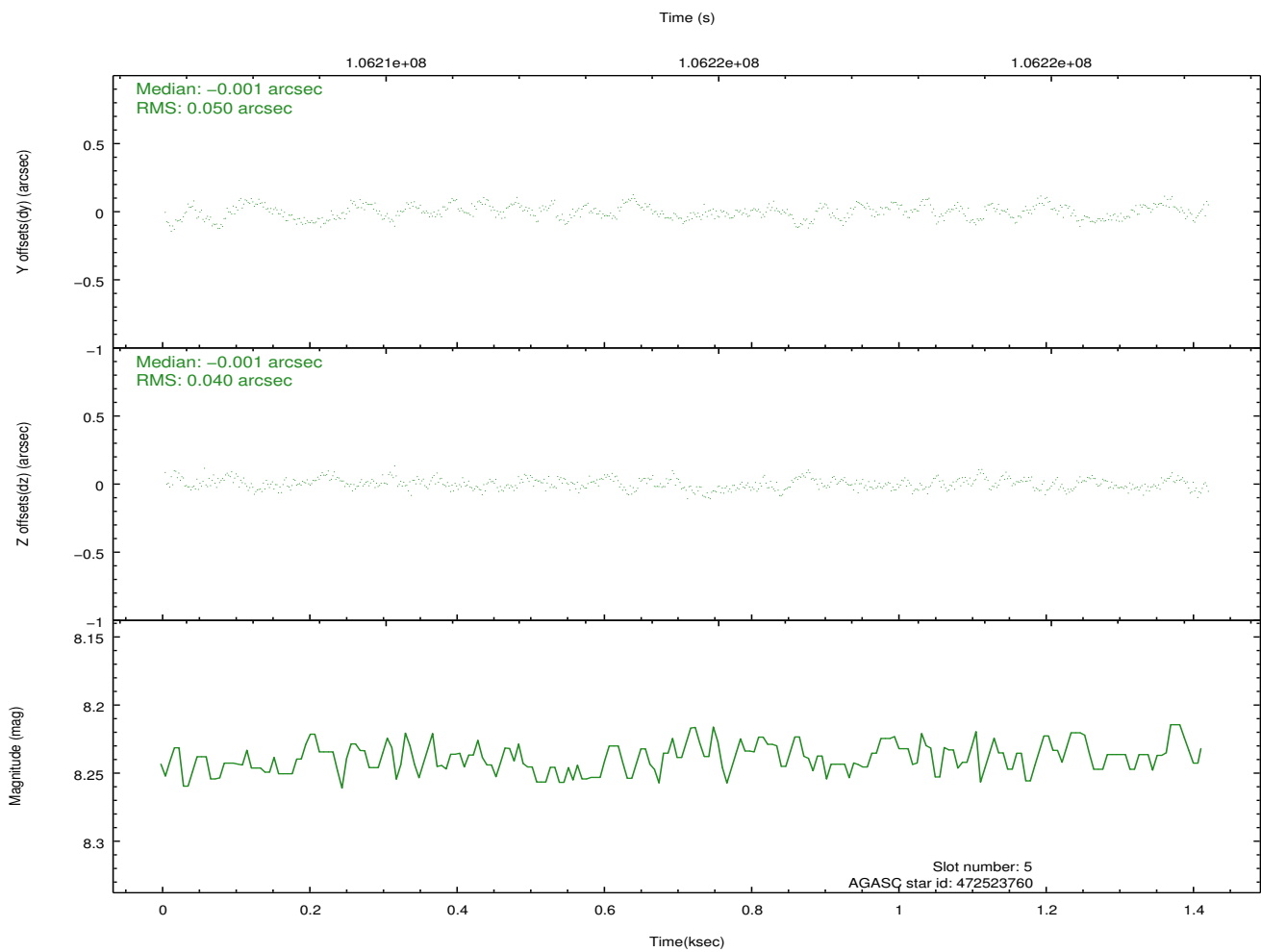
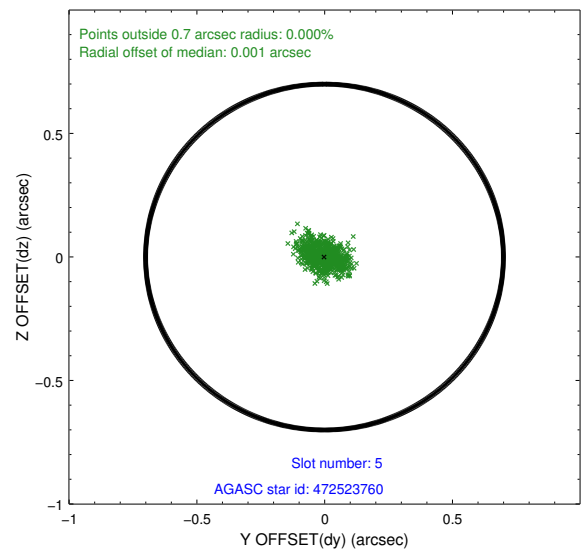
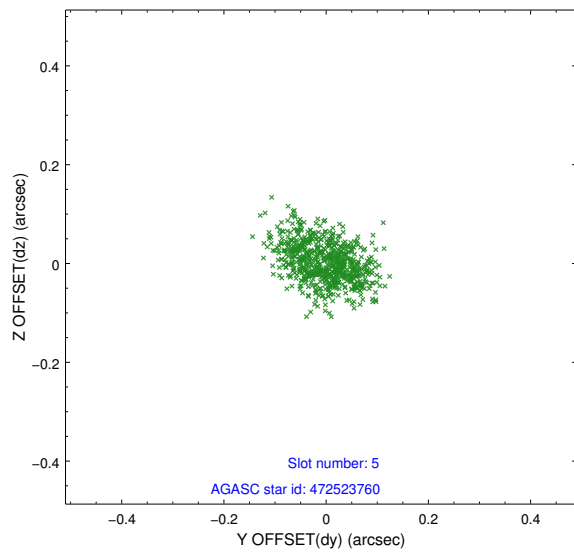
2.4.1 Slot 3



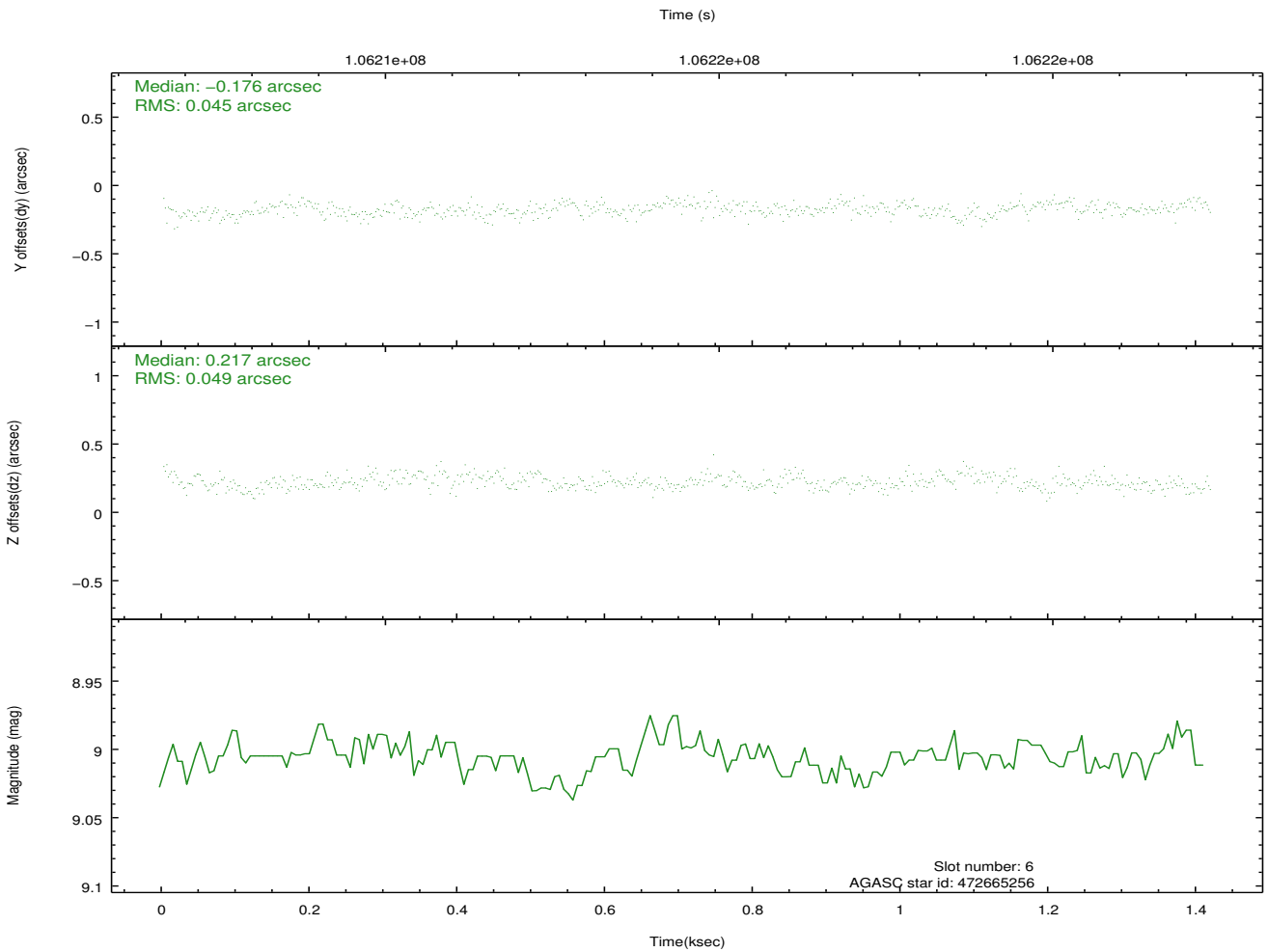
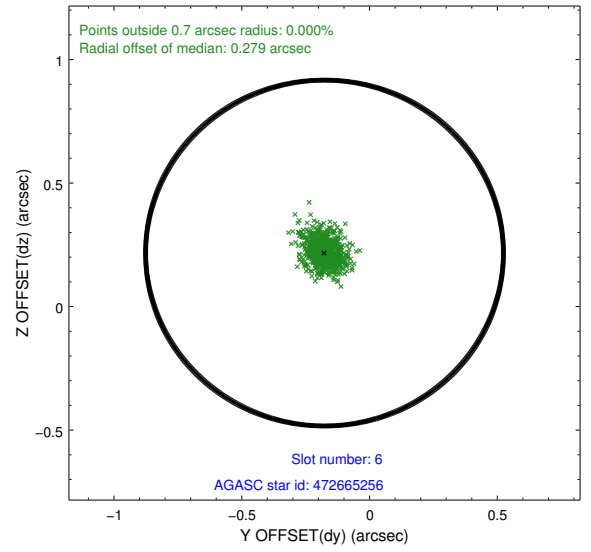
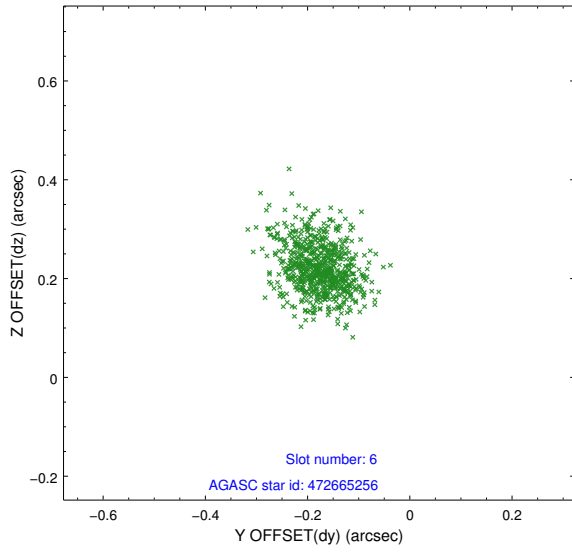
2.4.2 Slot 4



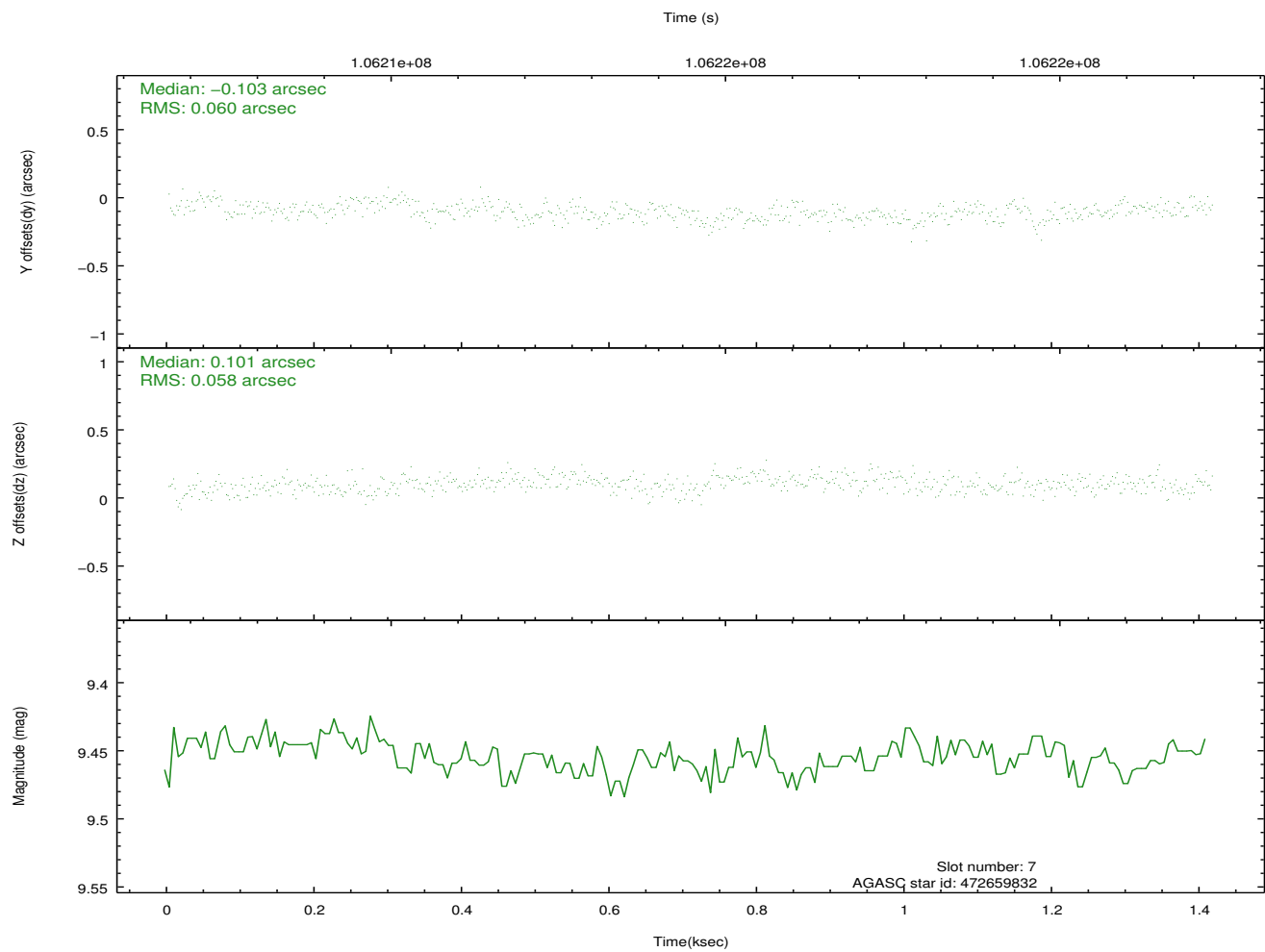
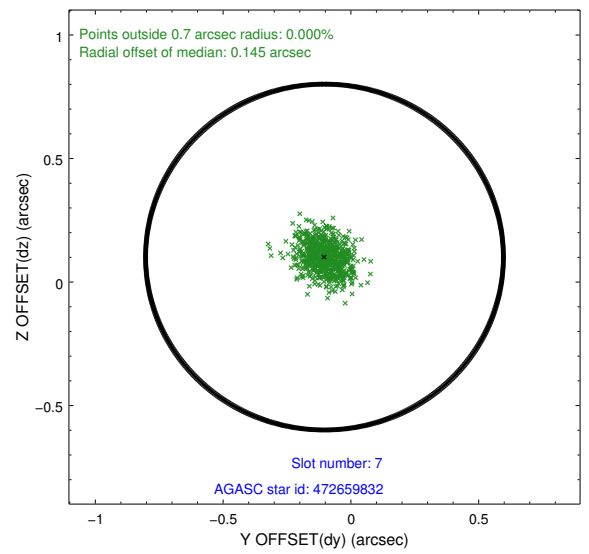
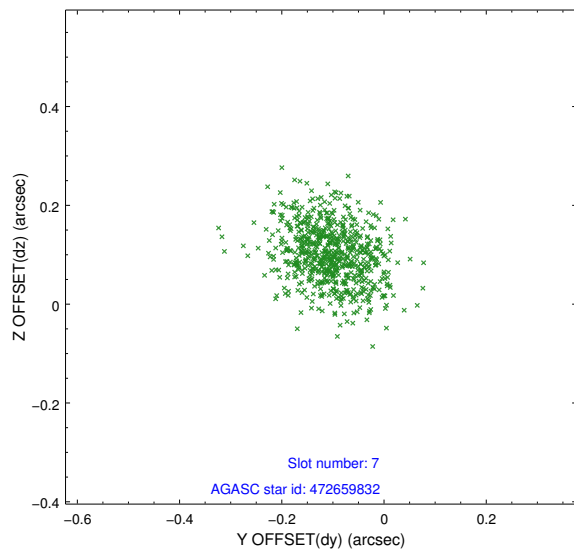
2.4.3 Slot 5



2.4.4 Slot 6

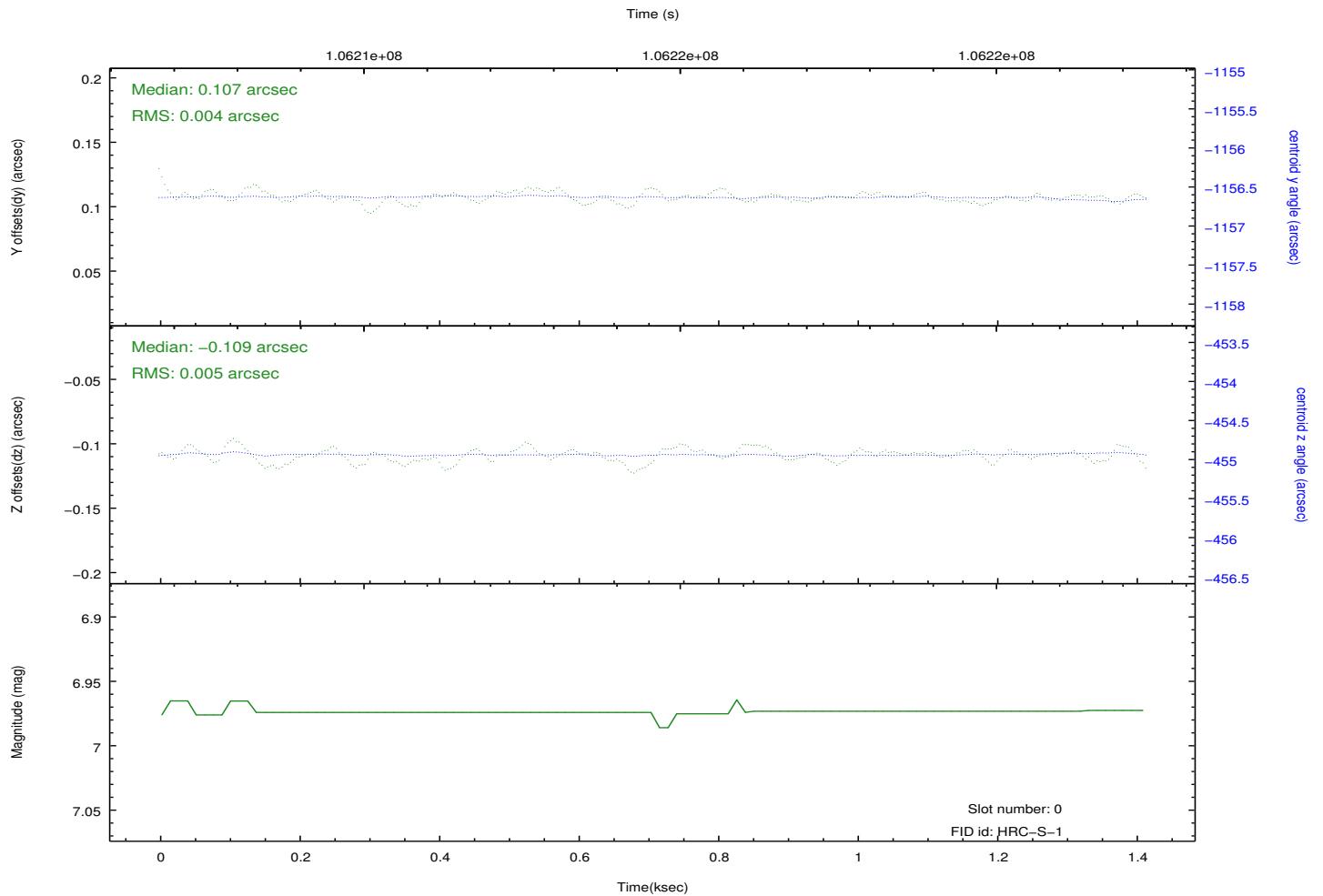
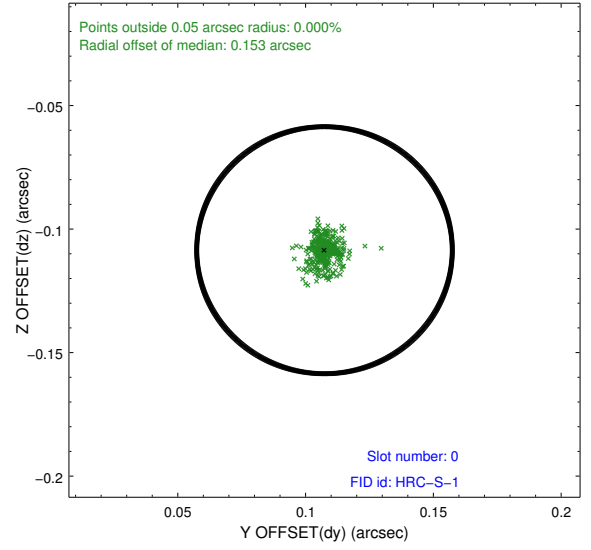
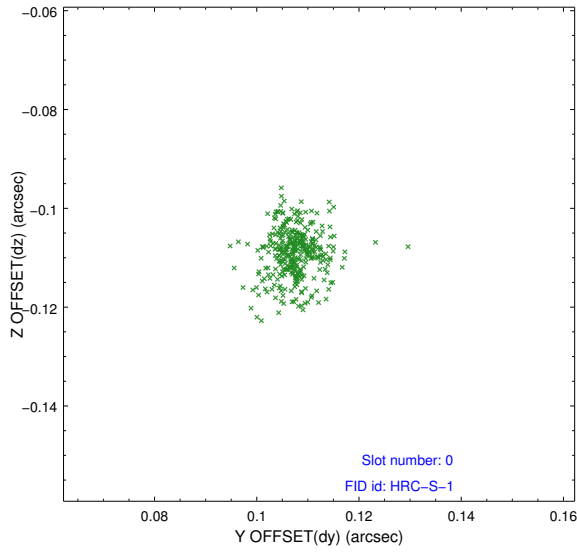


2.4.5 Slot 7

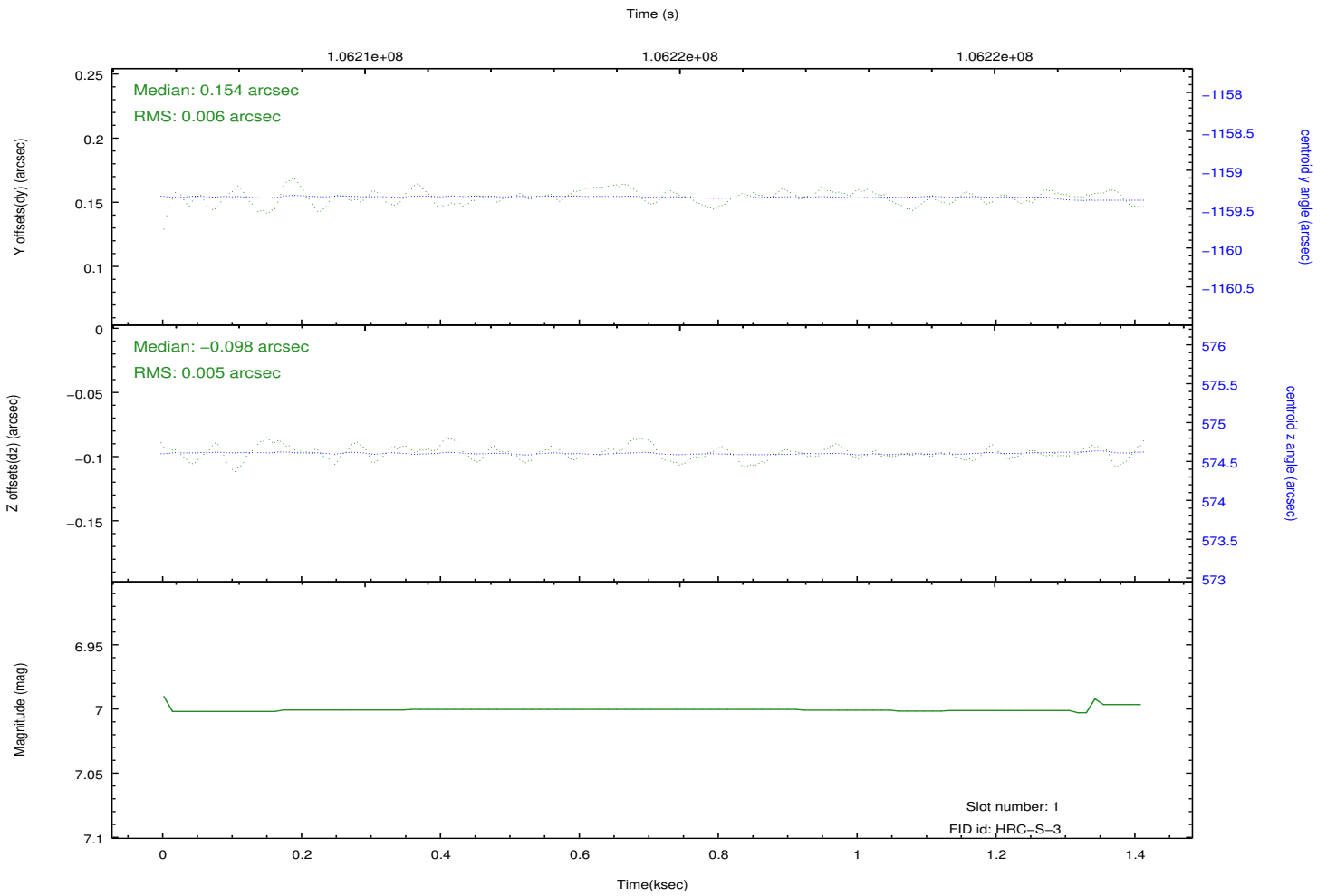
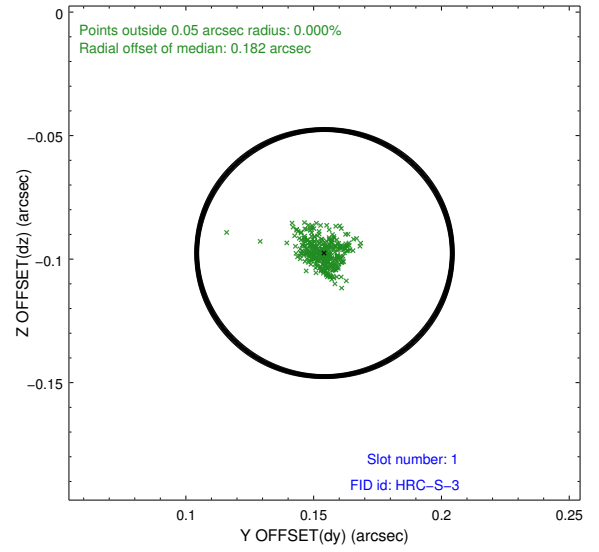
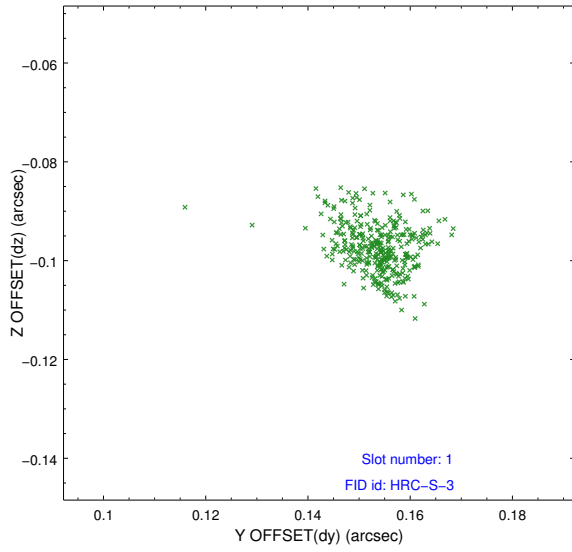


2.5 FID Slots

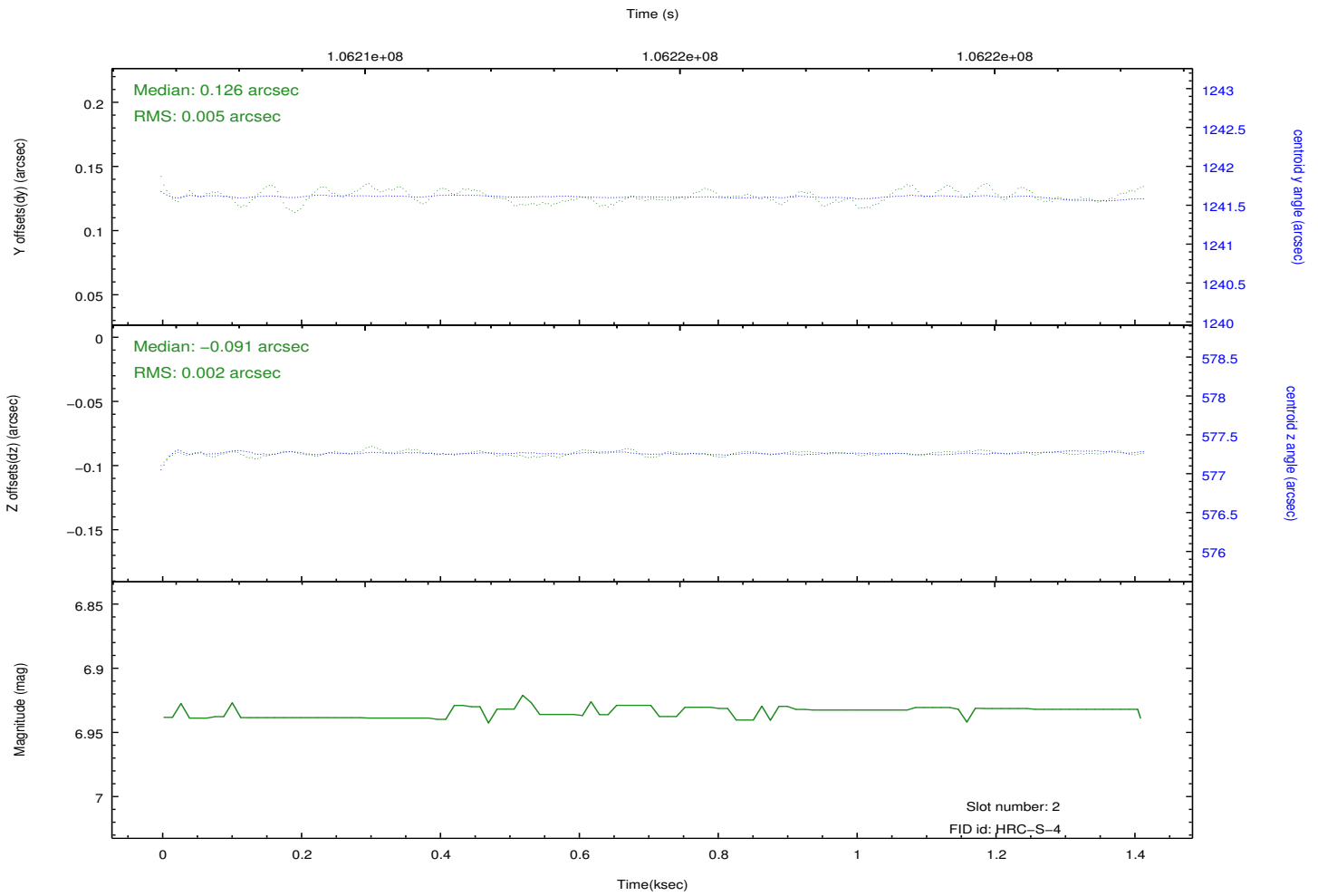
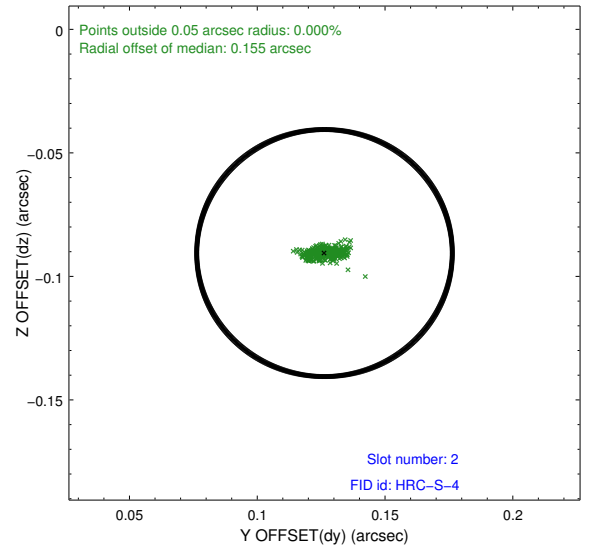
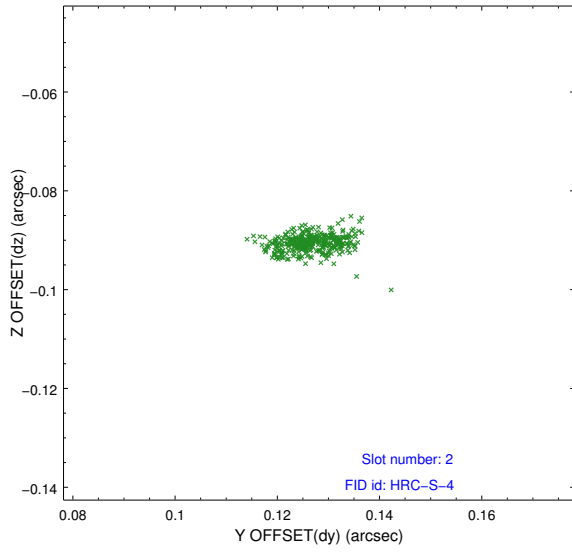
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.41

A.2 Comments

Charge time for this observation remains at previous value of 1.41 ksec.