

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2382 - L2 Version 5
Chandra X-Ray Center

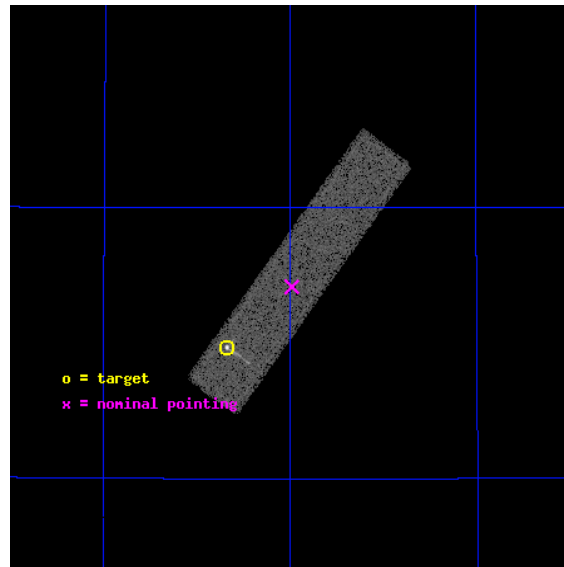
L2 Processing Date : Sep 4 2012

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1 Front

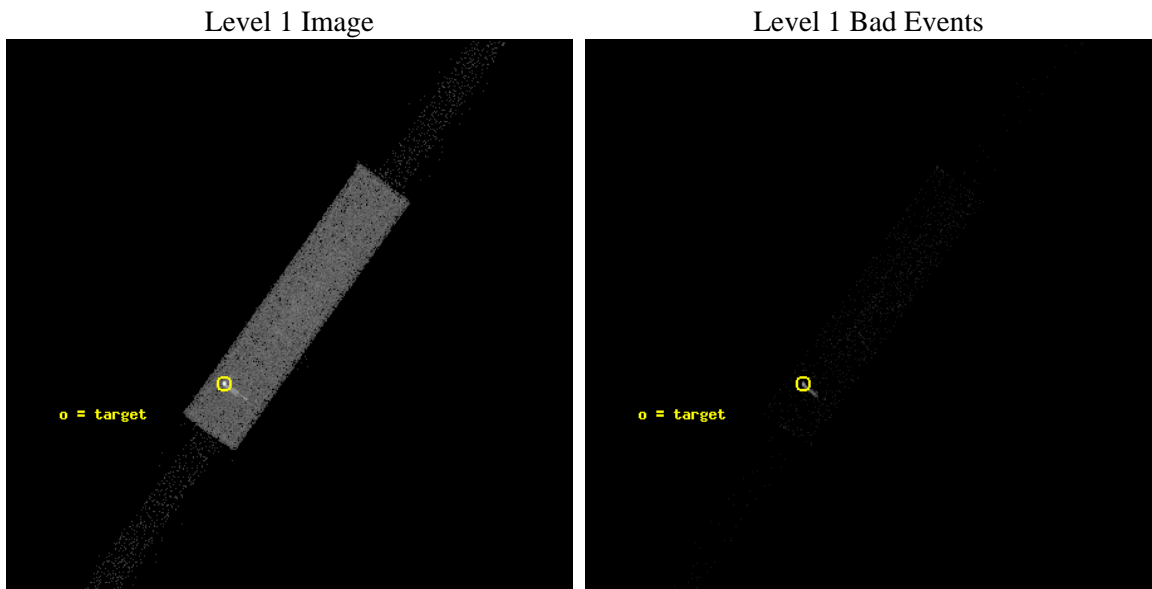
seq_num	290128	Sequence number
obs_id	2382	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.99623755998	Nominal RA [deg]
dec_nom	45.854563692391	Nominal Dec [deg]
roll_nom	305.46322296388	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1143.1312937438	[s]
livetime	1137.6852355485	Ontime multiplied by DTCOR
l2events	36200	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	1143.1312937438	[s]
caldsver	4.5.1.1	 	l1events	60854	Number of level 1 events
date	2012-09-05T01:36:44	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

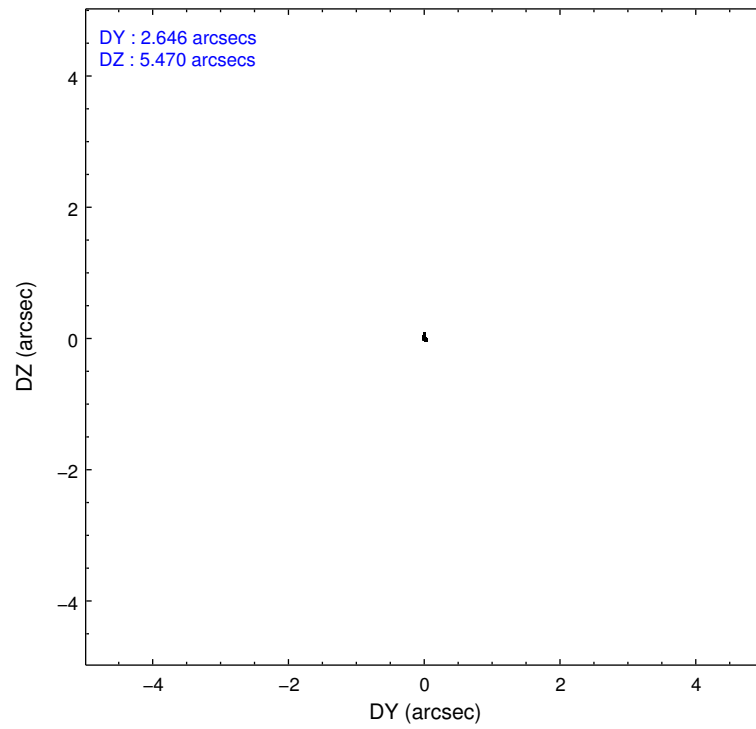
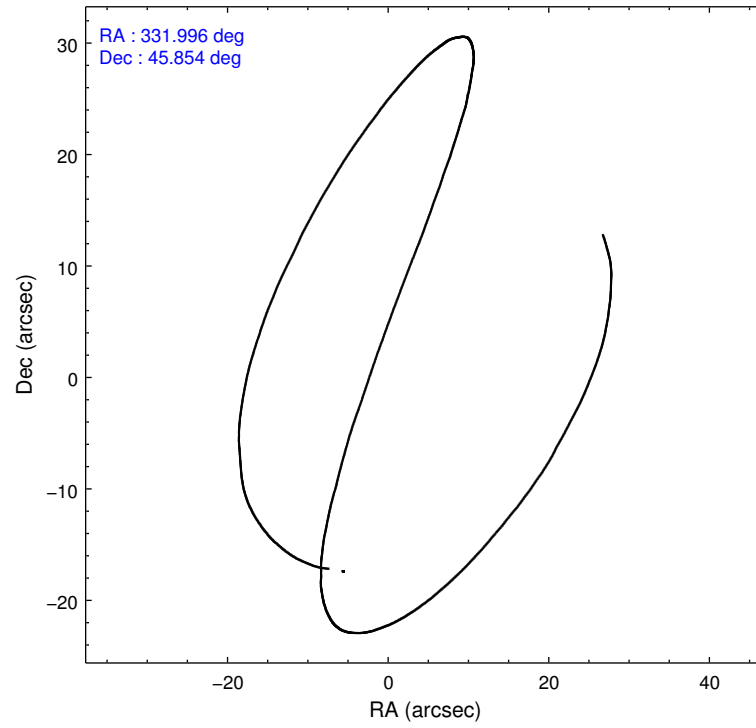
	segment 1	segment 2	segment 3
level 1 events	924	58971	959
rejected events	924	13314	959
rejected %	100%	22%	100%

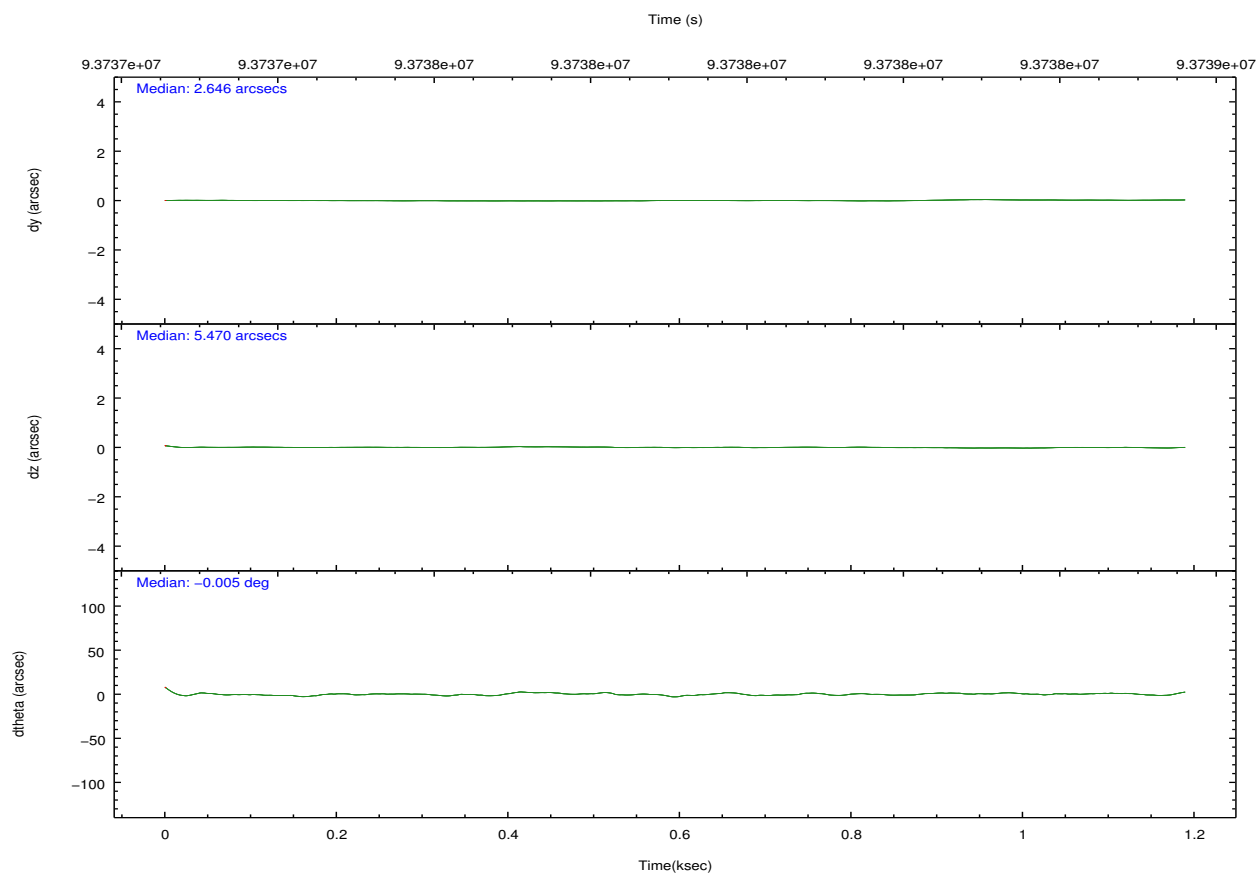
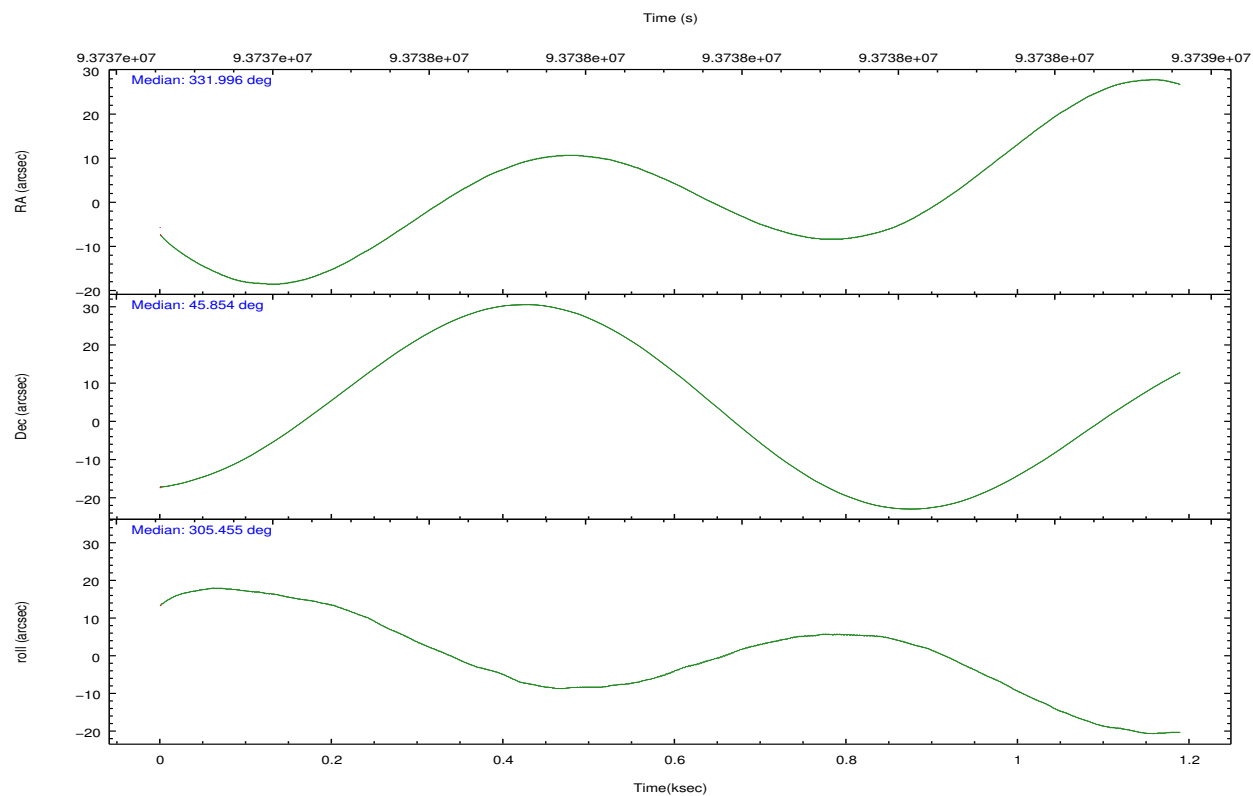
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	331.958303	331.9962375599756
[deg] Pointing Dec	45.865676	45.85456369239071
[deg] Pointing Roll	305.423063	305.4632229638793
[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)	93737502.184000	93737125.514625
Observation start date	2000-12-20T22:10:38	2000-12-20T22:05:25
[s] Observation end time (MET)	93738502.184000	93738635.852182
Observation end date	2000-12-20T22:27:18	2000-12-20T22:30:35

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



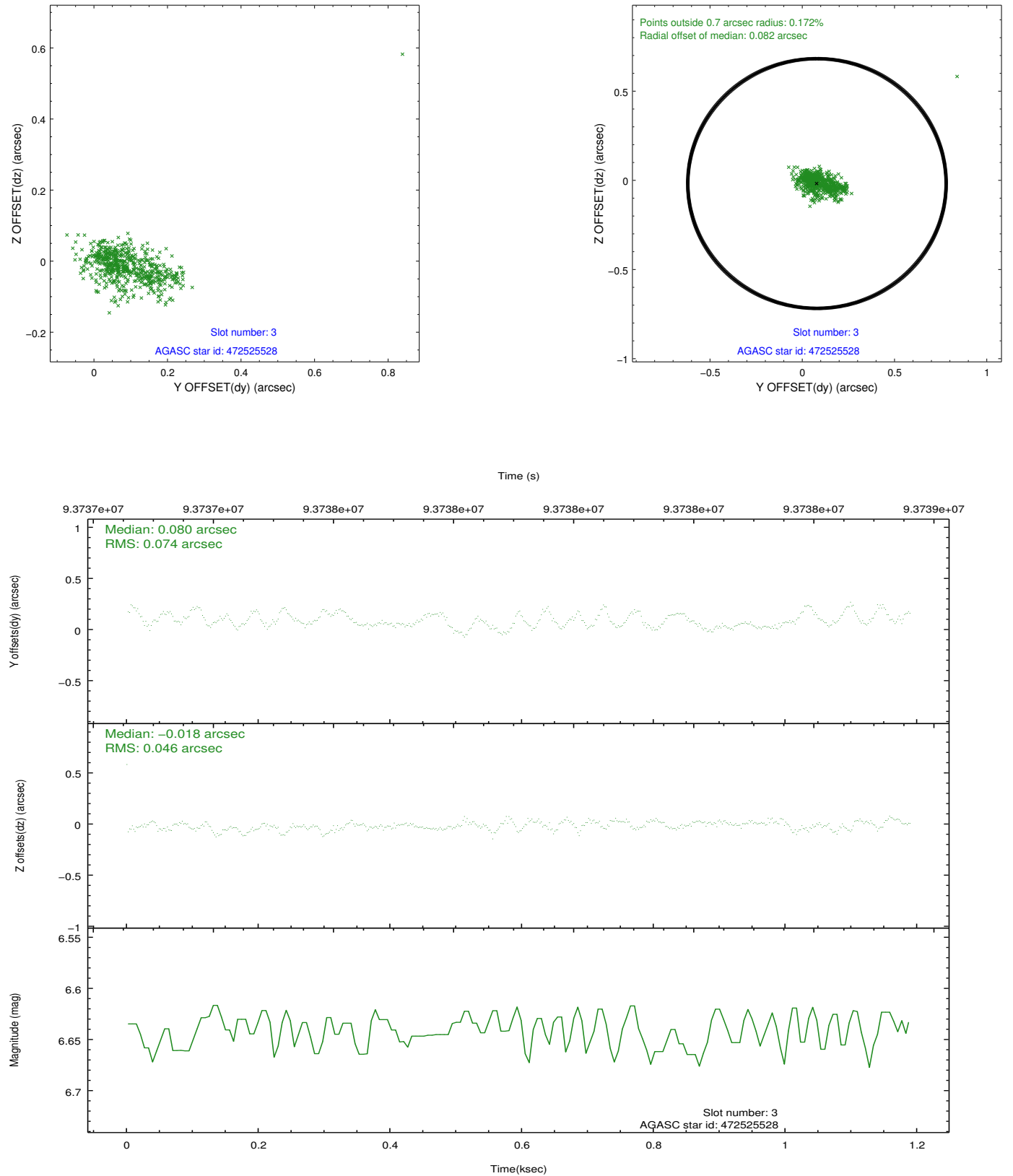


Slot Statistics

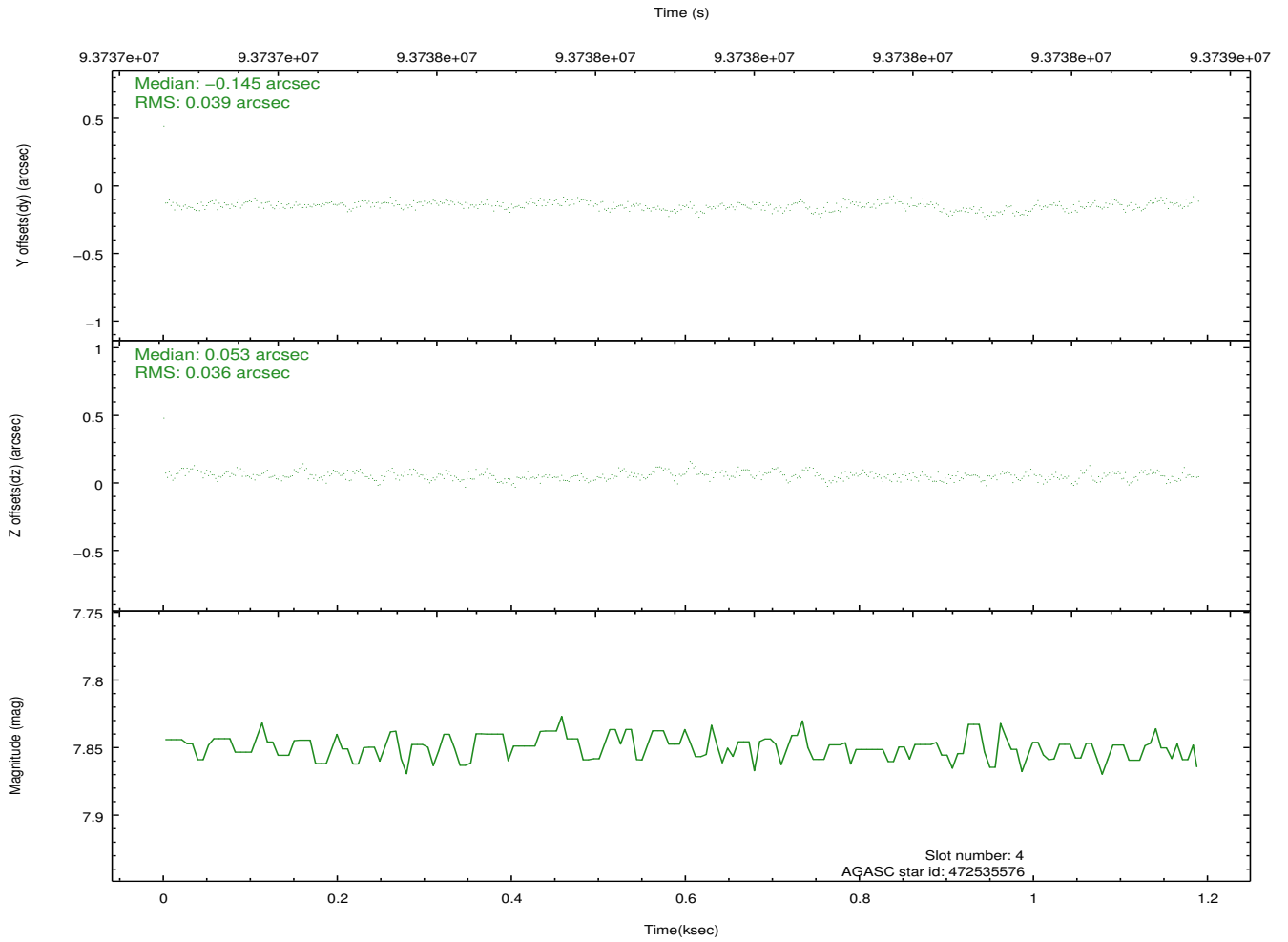
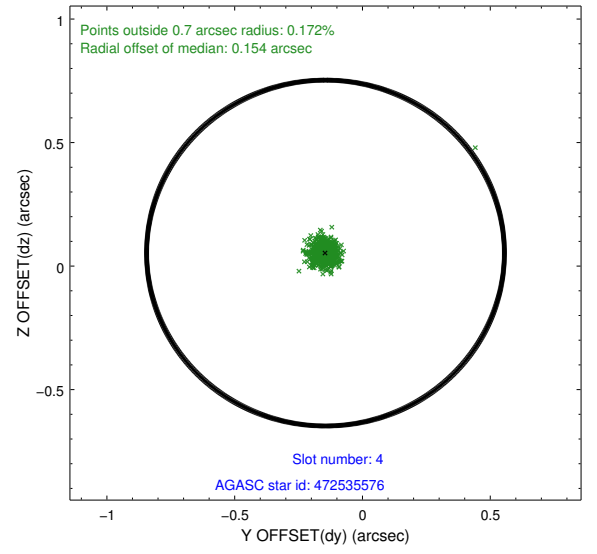
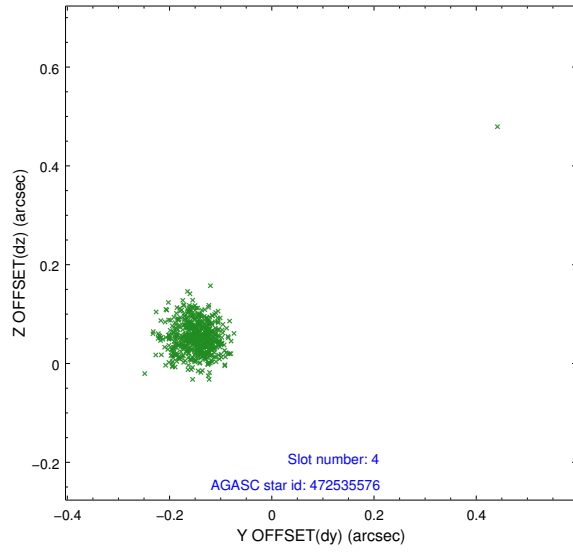
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	291	0.109	-0.157	0.007	0.011	0.000000	0.000000	-1156.70	-454.03
1	FID	HRC-S-3	6.99	291	0.152	-0.049	0.008	0.012	0.000000	0.000000	-1163.37	574.05
2	FID	HRC-S-4	6.93	291	0.126	-0.091	0.005	0.009	0.000000	0.000000	1237.56	580.15
3	GUIDE	472525528	6.64	581	0.080	-0.018	0.081	0.144	331.551102	45.248694	1209.63	-2126.04
4	GUIDE	472535576	7.85	581	-0.145	0.053	0.047	0.074	331.438373	46.291802	-2001.68	-165.52
5	GUIDE	472523760	8.23	581	0.011	-0.168	0.063	0.103	331.645363	45.403260	893.18	-1608.18
6	GUIDE	472659832	9.47	581	-0.049	0.016	0.106	0.162	332.780399	46.098139	499.62	2161.56
7	GUIDE	472655152	9.43	580	0.111	0.095	0.082	0.136	332.504239	45.862991	797.70	1117.10

2.4 Star Slots

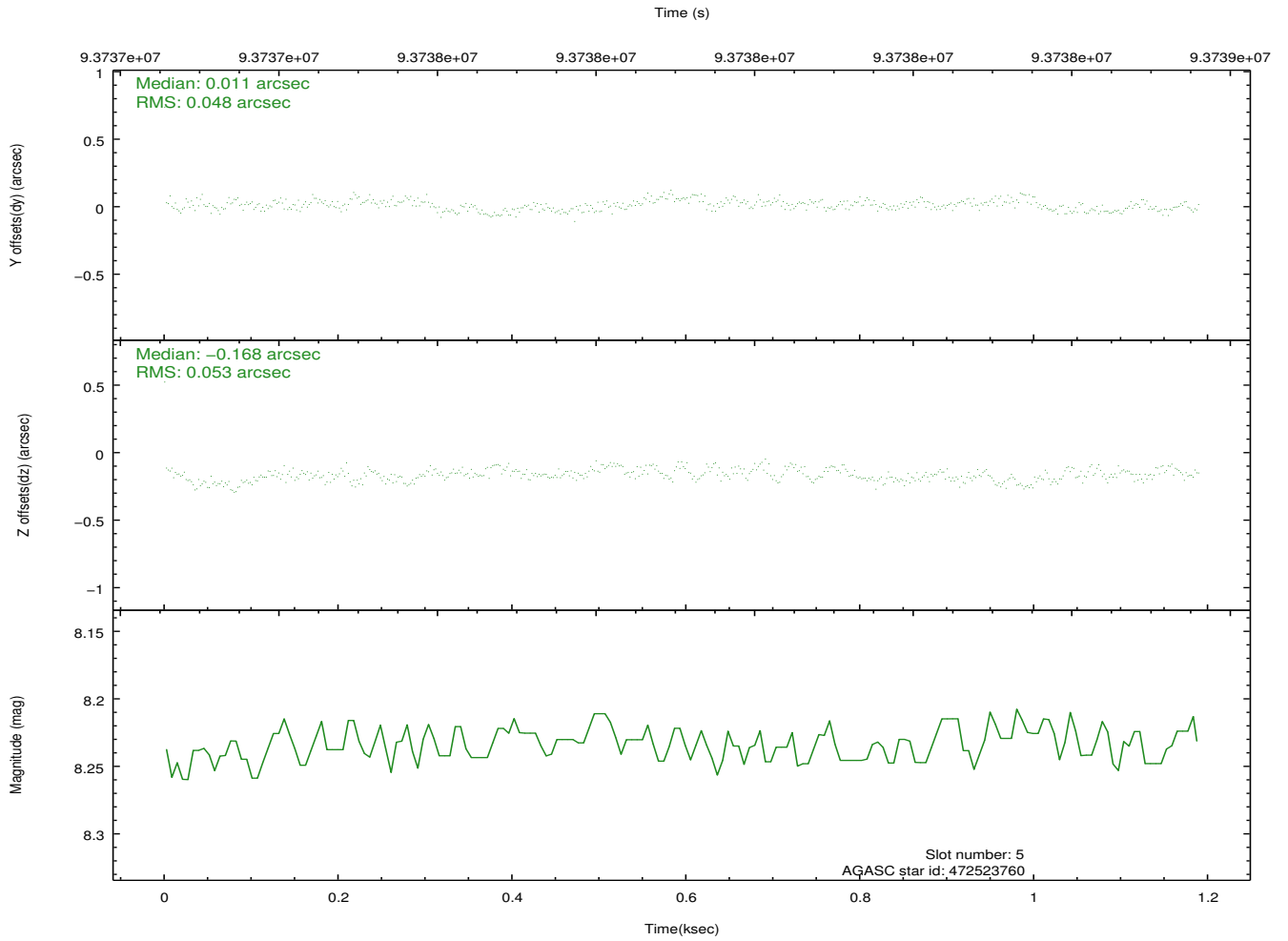
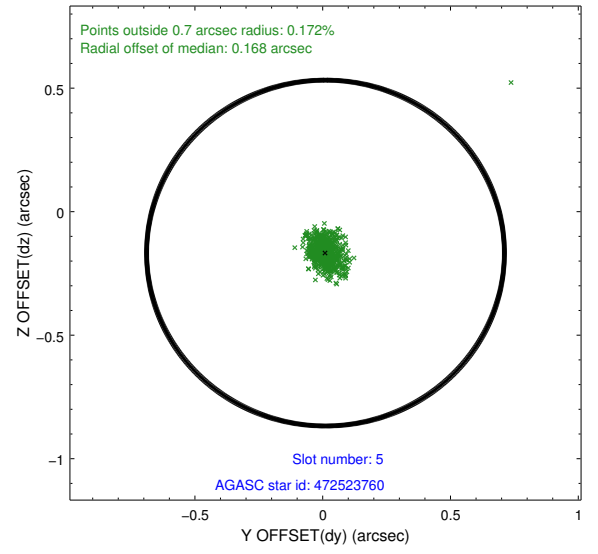
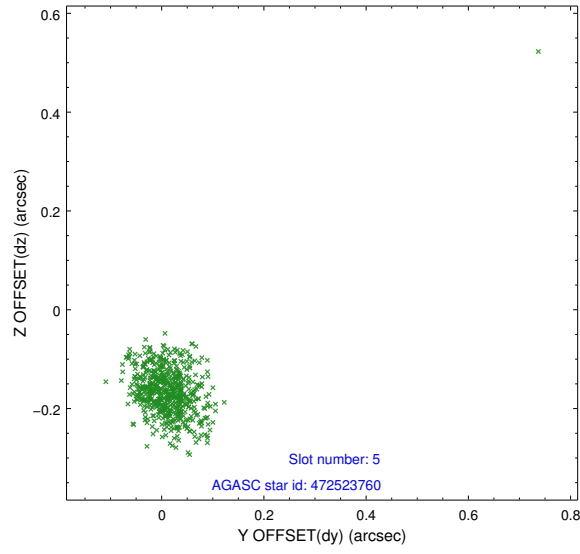
2.4.1 Slot 3



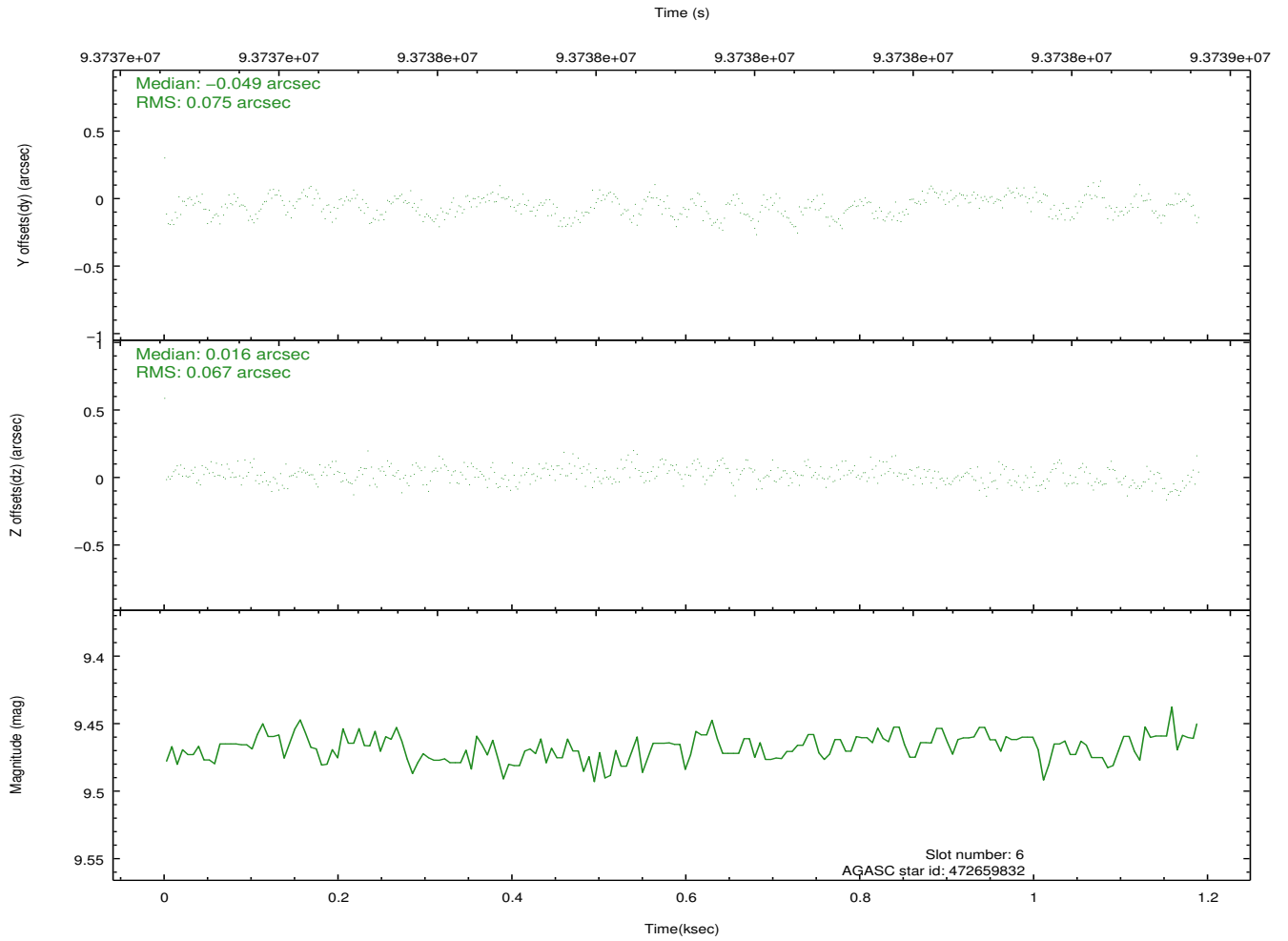
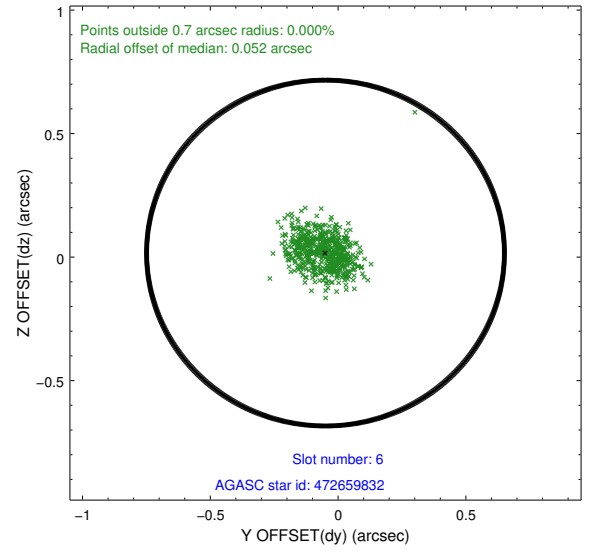
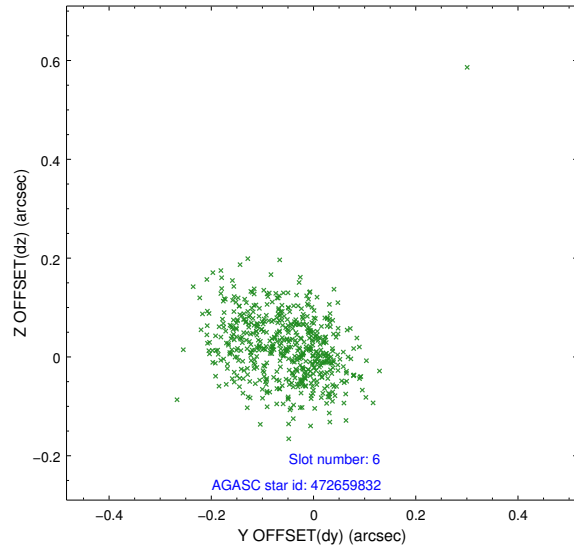
2.4.2 Slot 4



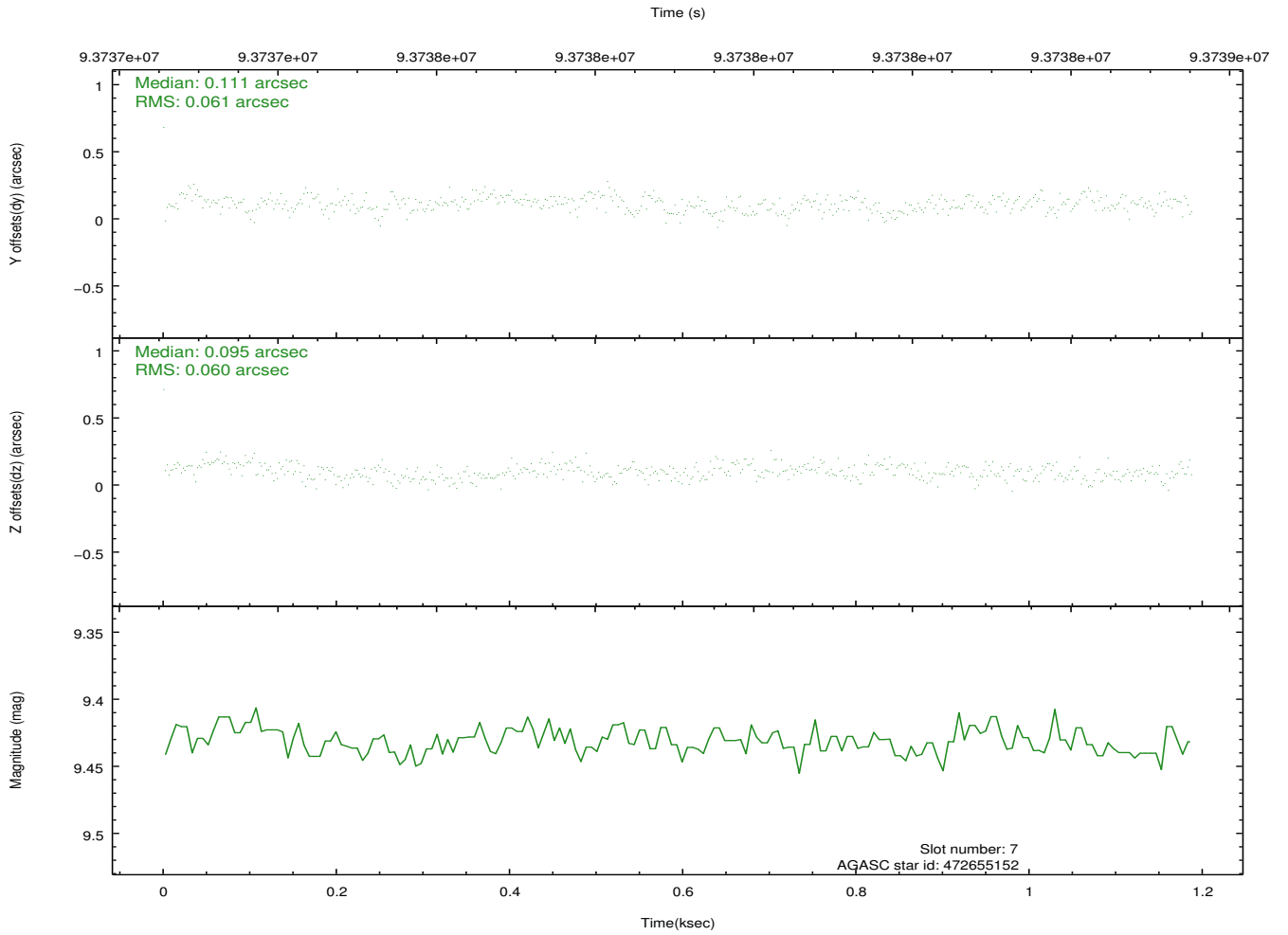
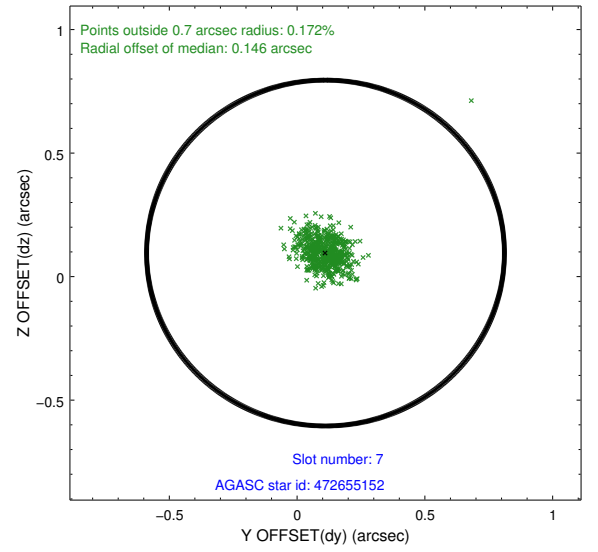
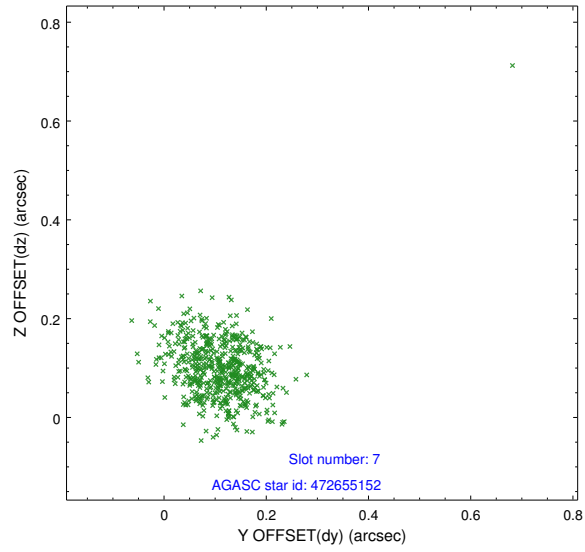
2.4.3 Slot 5



2.4.4 Slot 6

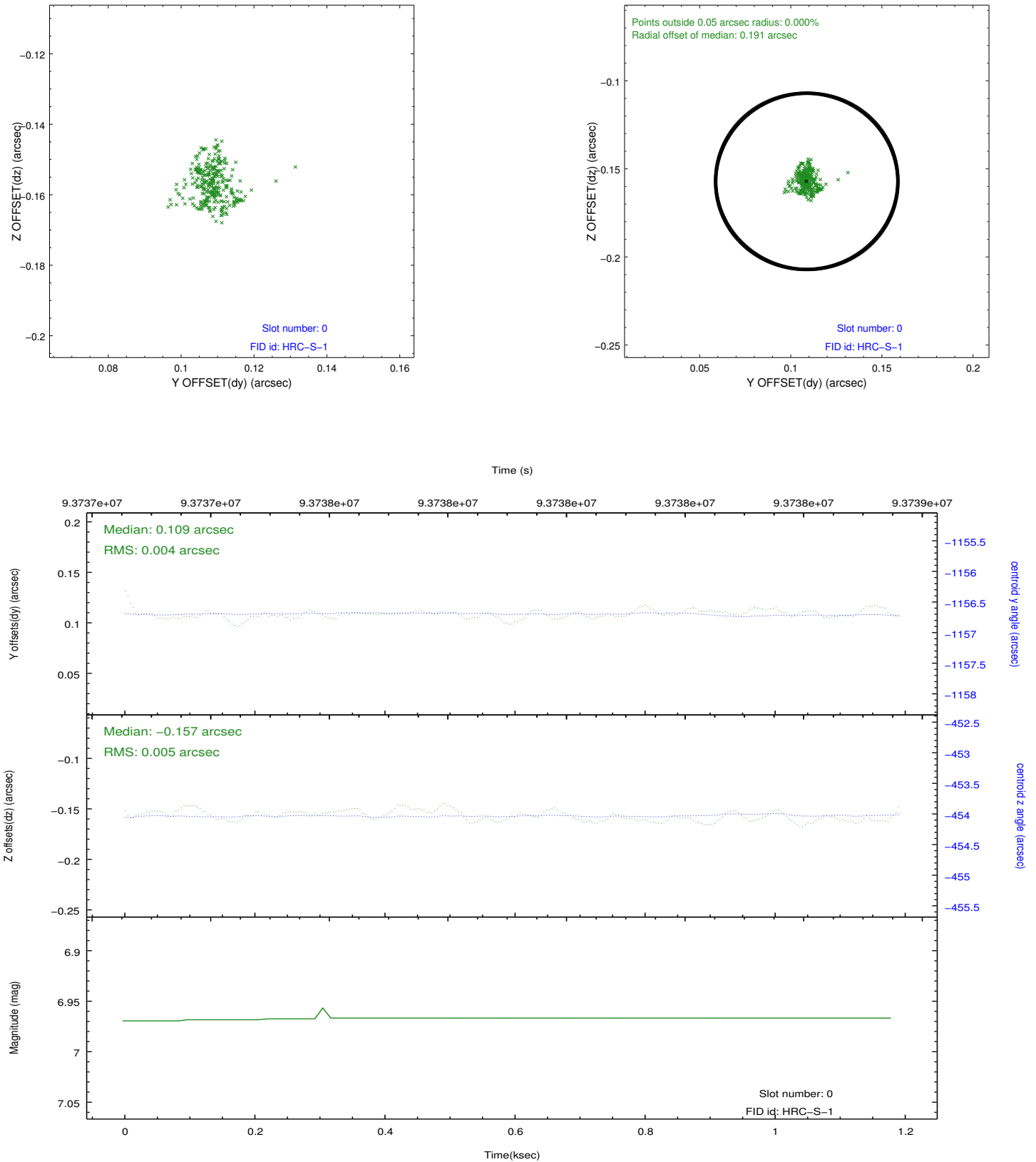


2.4.5 Slot 7

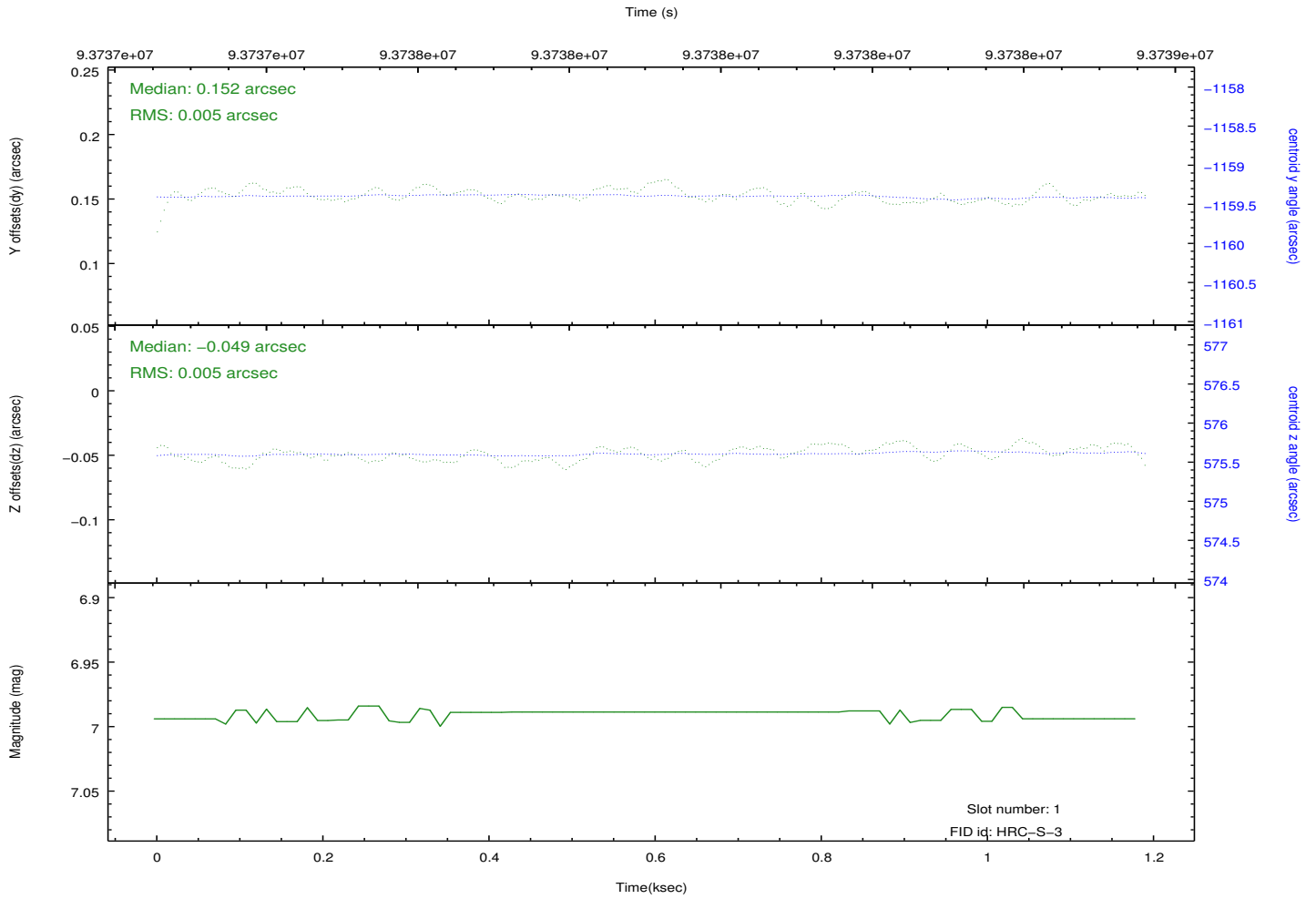
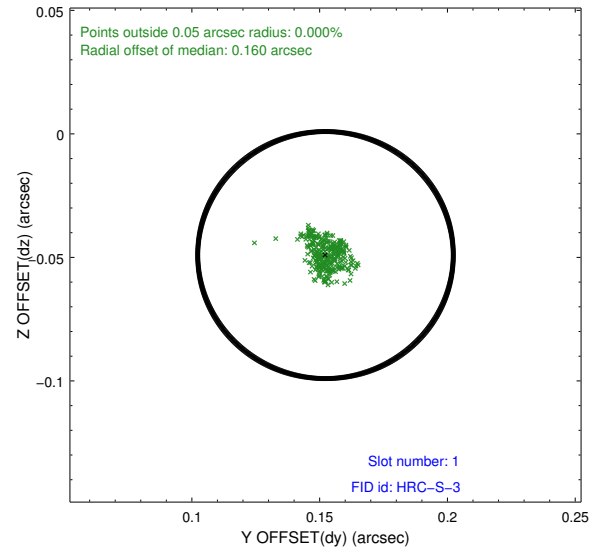
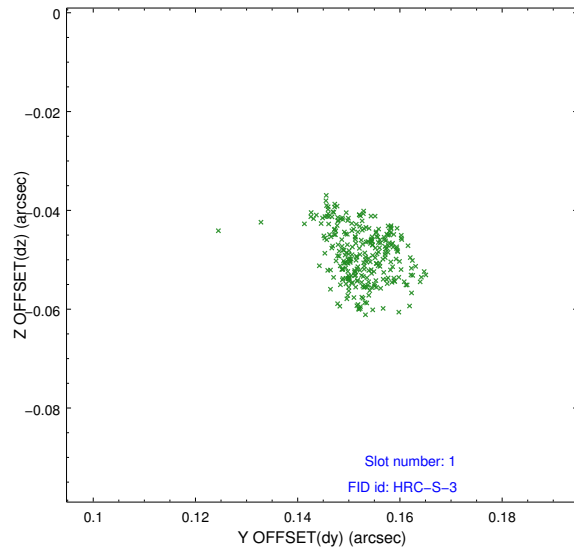


2.5 FID Slots

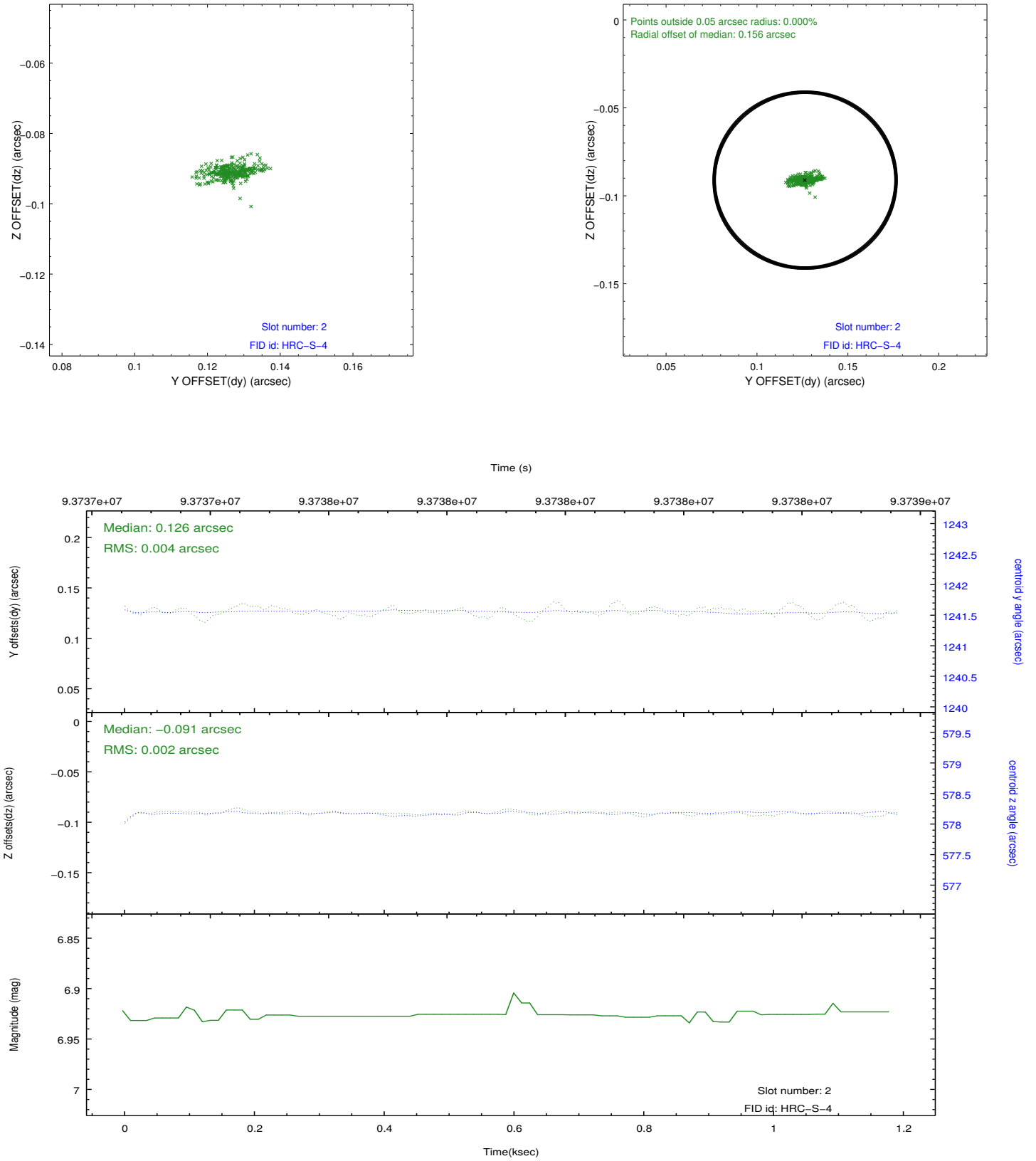
2.5.1 Slot 0



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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

A.2 Comments

Charge time for this ObsId remains at previous value of 1.182 ks, although with the current processing the charge time would have been 1.14 ksec. The tail present in obsid 2382 is a reflection from the high energy suppression filter. To remove it would require a fix to the software that removes events at specific positions of the dither pattern (positions defined where the events may reflect off the h.e.s.f. and strike the detector.