

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 14300 - L2 Version 2
Chandra X-Ray Center

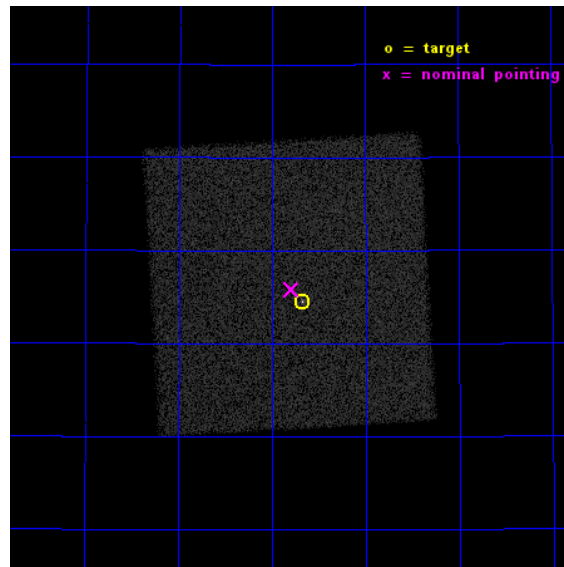
L2 Processing Date : Nov 27 2014

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1 Front

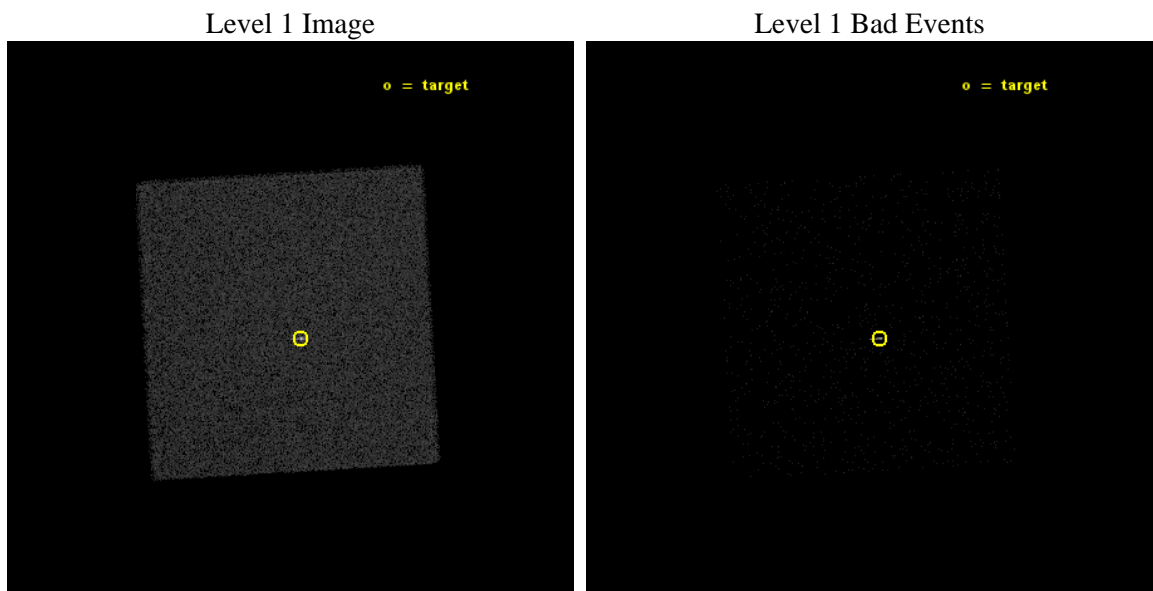
seq_num	291051	Sequence number
obs_id	14300	Observation id
title	AO-13 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19871184843	Nominal RA [deg]
dec_nom	45.763749863483	Nominal Dec [deg]
roll_nom	221.69147188443	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1182.0813133717	[s]
livetime	1172.0174340596	Ontime multiplied by DTCOR
l2events	76165	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	10.3	Processing system revision	ontime	1182.0813133717	[s]
caldsver	4.6.4	 	l1events	131800	Number of level 1 events
date	2014-11-27T07:27:24	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

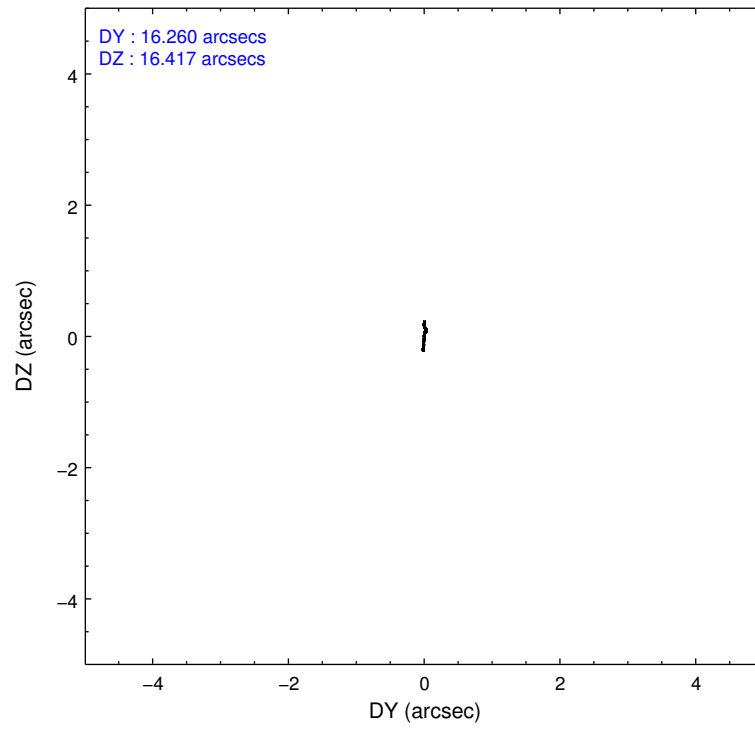
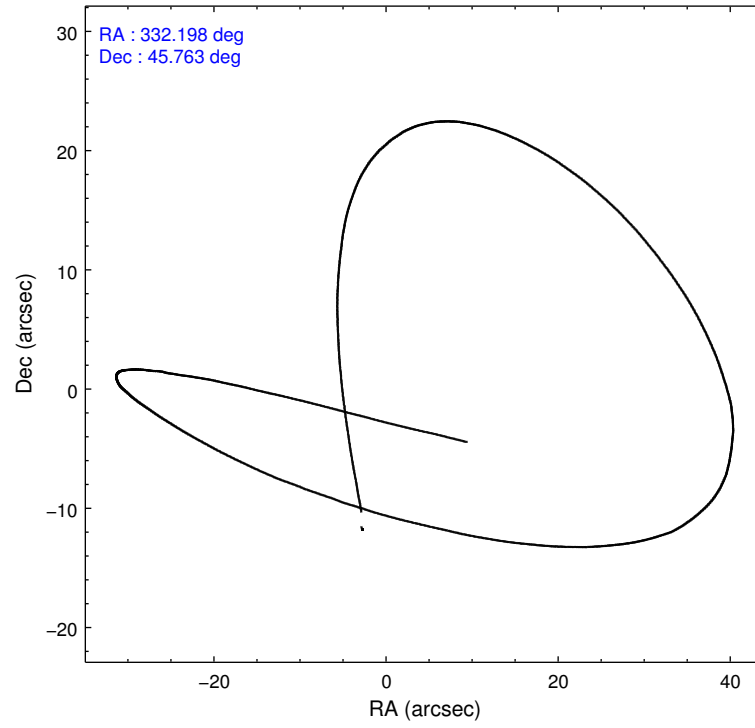
	segment 0
level 1 events	131800
rejected events	28605
rejected %	21%

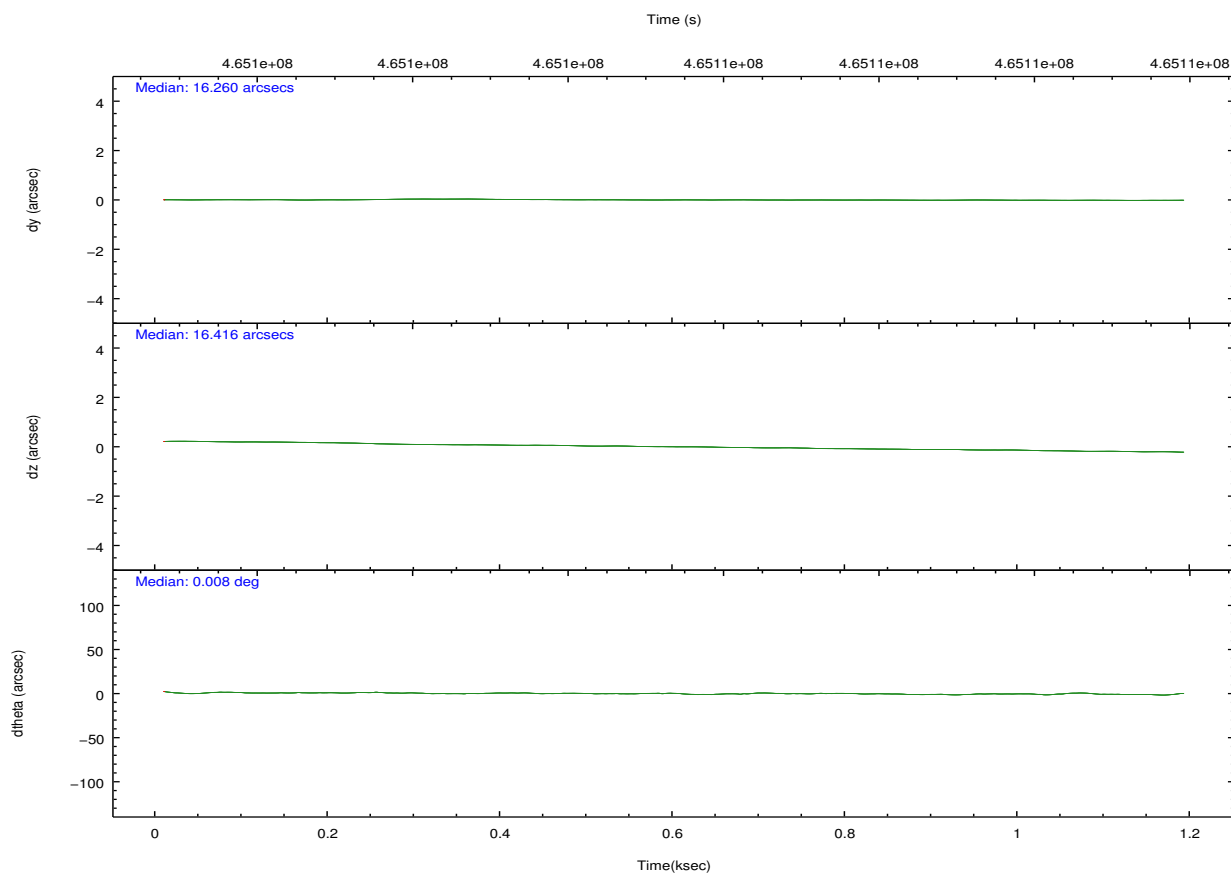
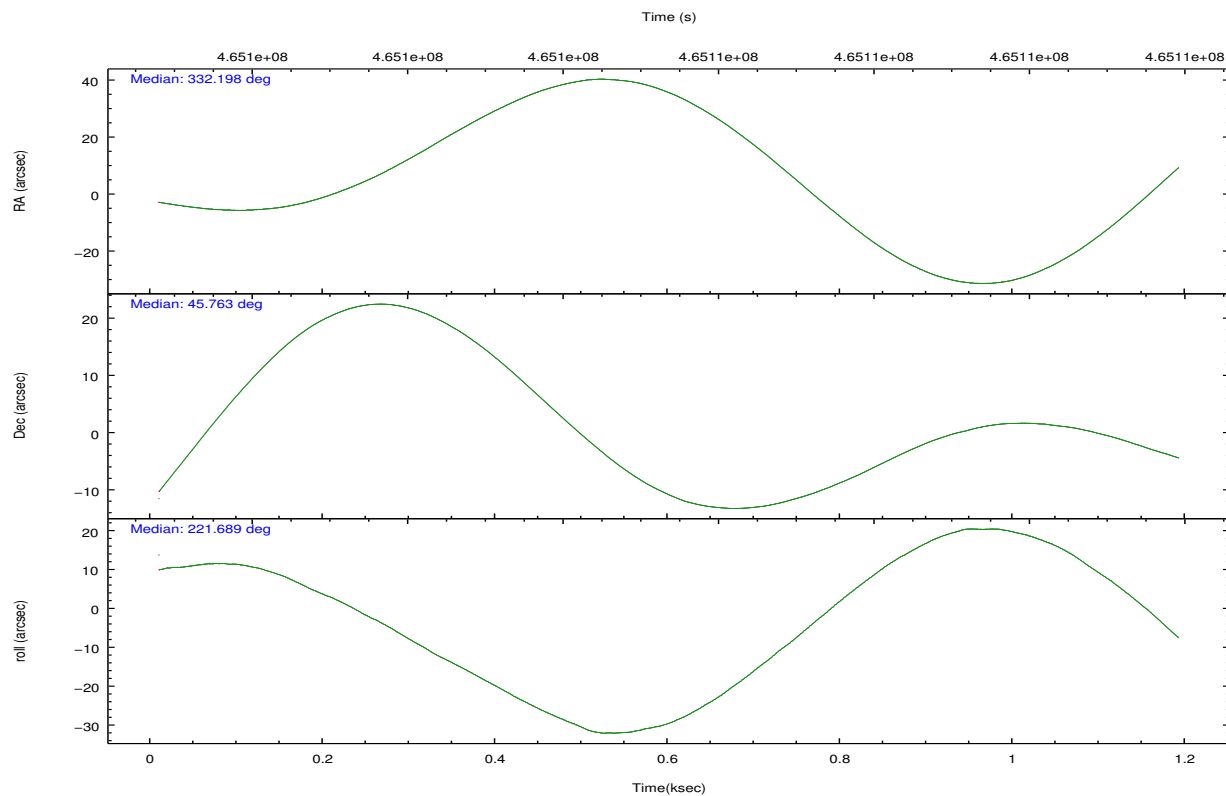
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.211314	332.1987118484292
[deg] Pointing Dec	45.789086	45.76374986348318
[deg] Pointing Roll	221.777913	221.6914718844349
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	465104738.184000	465104361.62104
Observation start date	2012-09-27T03:44:31	2012-09-27T03:39:21
[s] Observation end time (MET)	465105738.184000	465105871.95862
Observation end date	2012-09-27T04:01:11	2012-09-27T04:04:31

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

2.3 Aspect



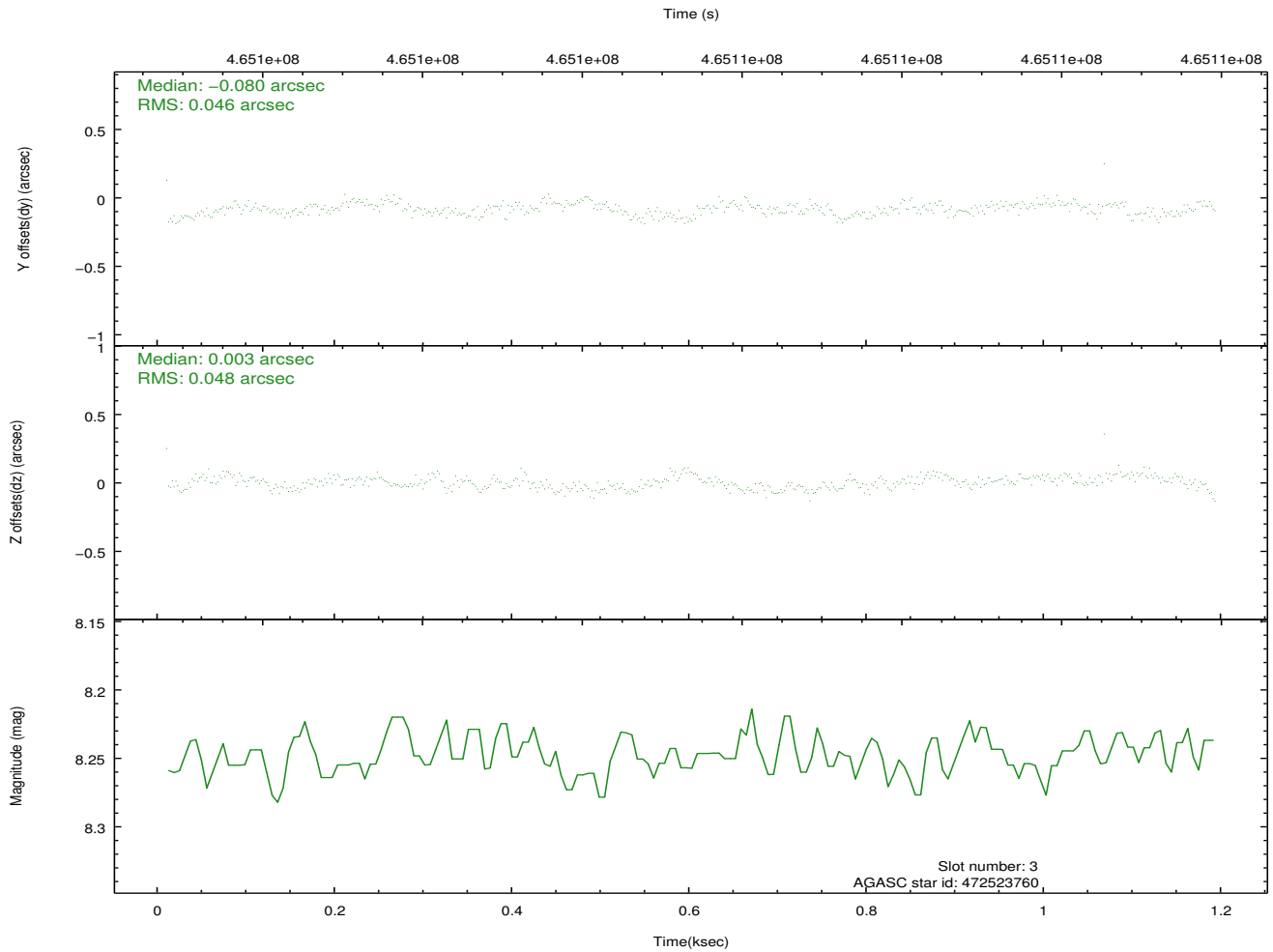
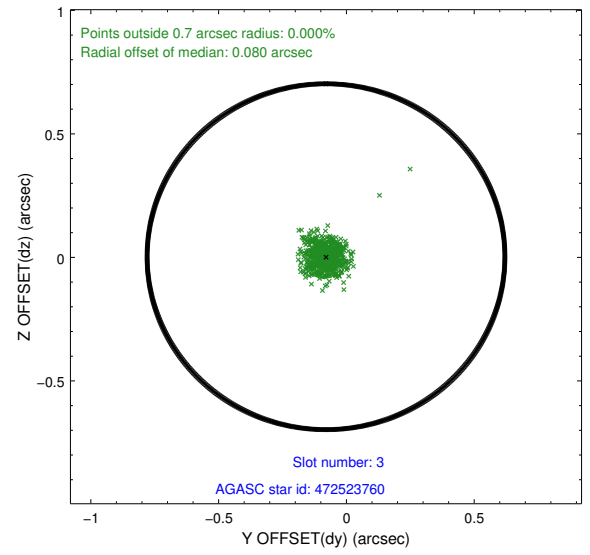
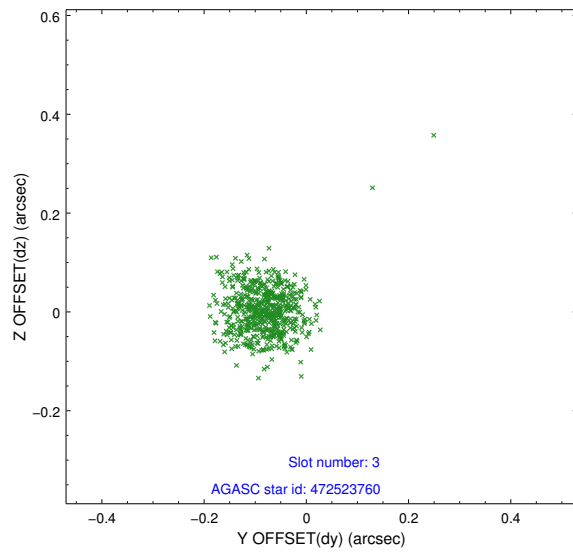


Slot Statistics

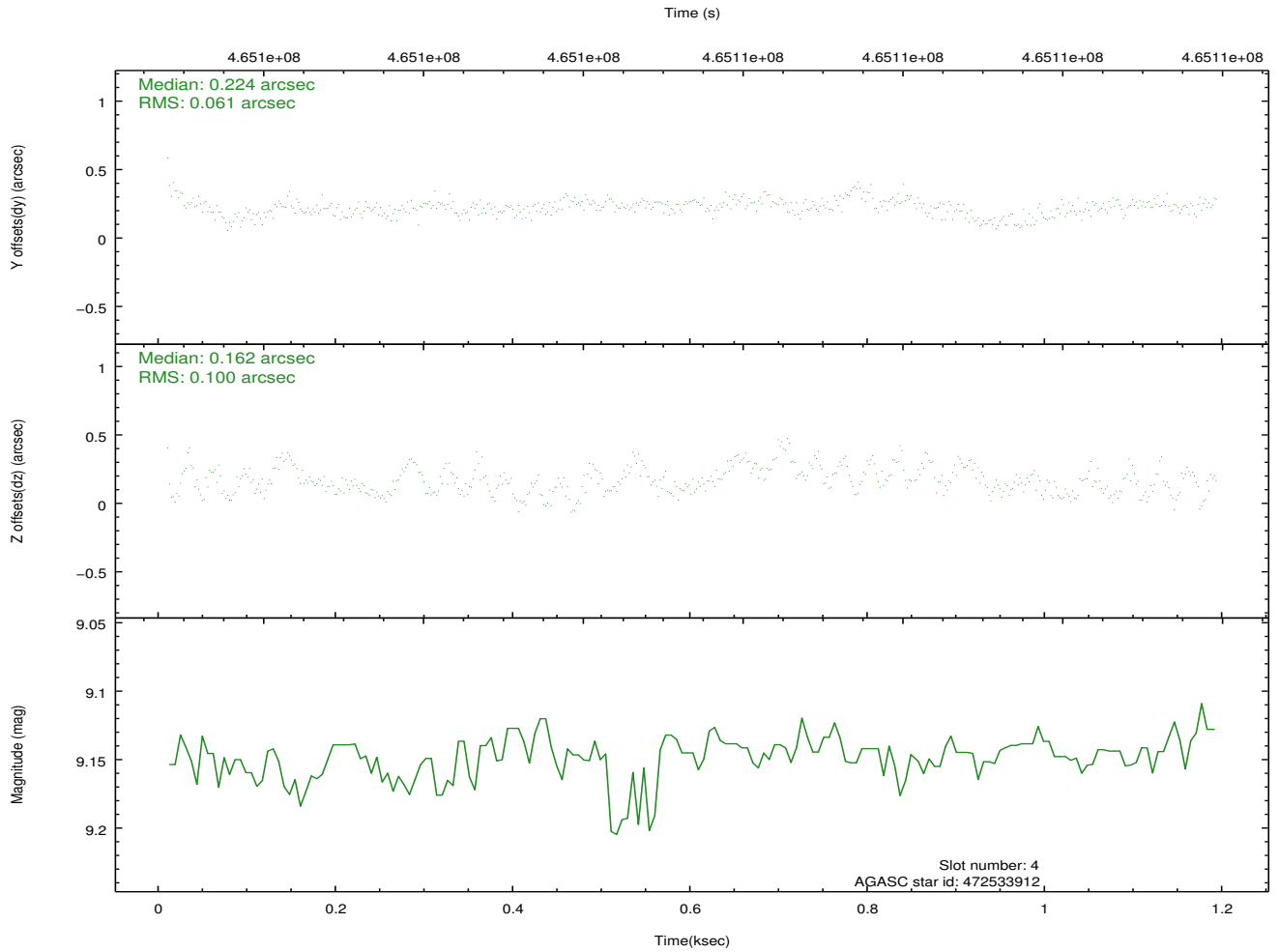
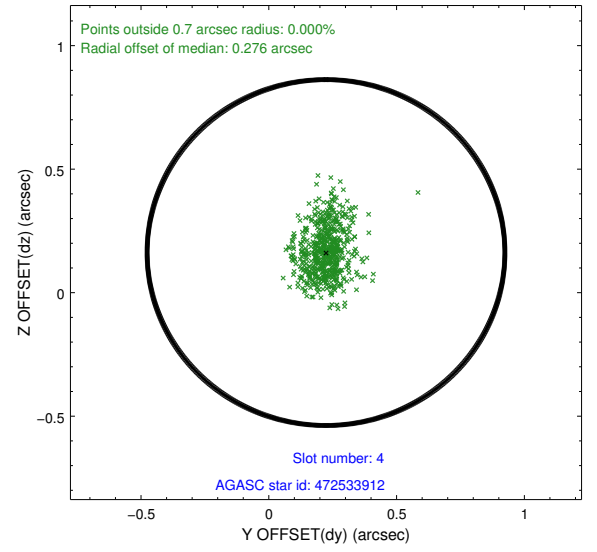
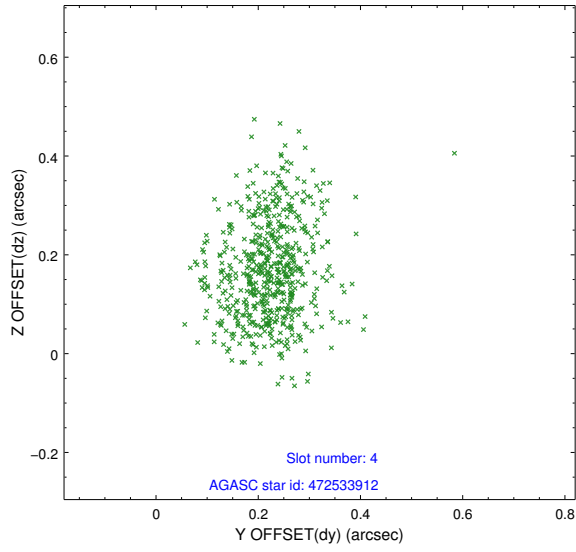
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.07	289	0.109	-0.126	0.009	0.015	0.000000	0.000000	840.64	-1306.23
1	FID		HRC-I-3	7.12	289	-0.185	0.052	0.008	0.014	0.000000	0.000000	-1197.86	995.56
2	FID		HRC-I-4	7.05	289	0.195	-0.013	0.007	0.011	0.000000	0.000000	1266.75	1001.06
3	GUIDE	used	472523760	8.25	578	-0.080	0.003	0.067	0.108	331.645363	45.403260	1988.64	83.22
4	GUIDE	used	472533912	9.15	577	0.224	0.162	0.126	0.205	331.791136	46.368695	-610.06	-2249.07
5	GUIDE	used	472651904	6.13	578	-0.207	-0.292	0.089	0.156	332.170077	45.742257	188.16	55.75
6	GUIDE	used	472655152	9.43	575	-0.003	-0.087	0.136	0.221	332.504239	45.862991	-725.74	294.25
7	GUIDE	used	472665256	9.02	577	0.076	0.207	0.098	0.157	332.808125	46.195041	-2087.84	-98.38

2.4 Star Slots

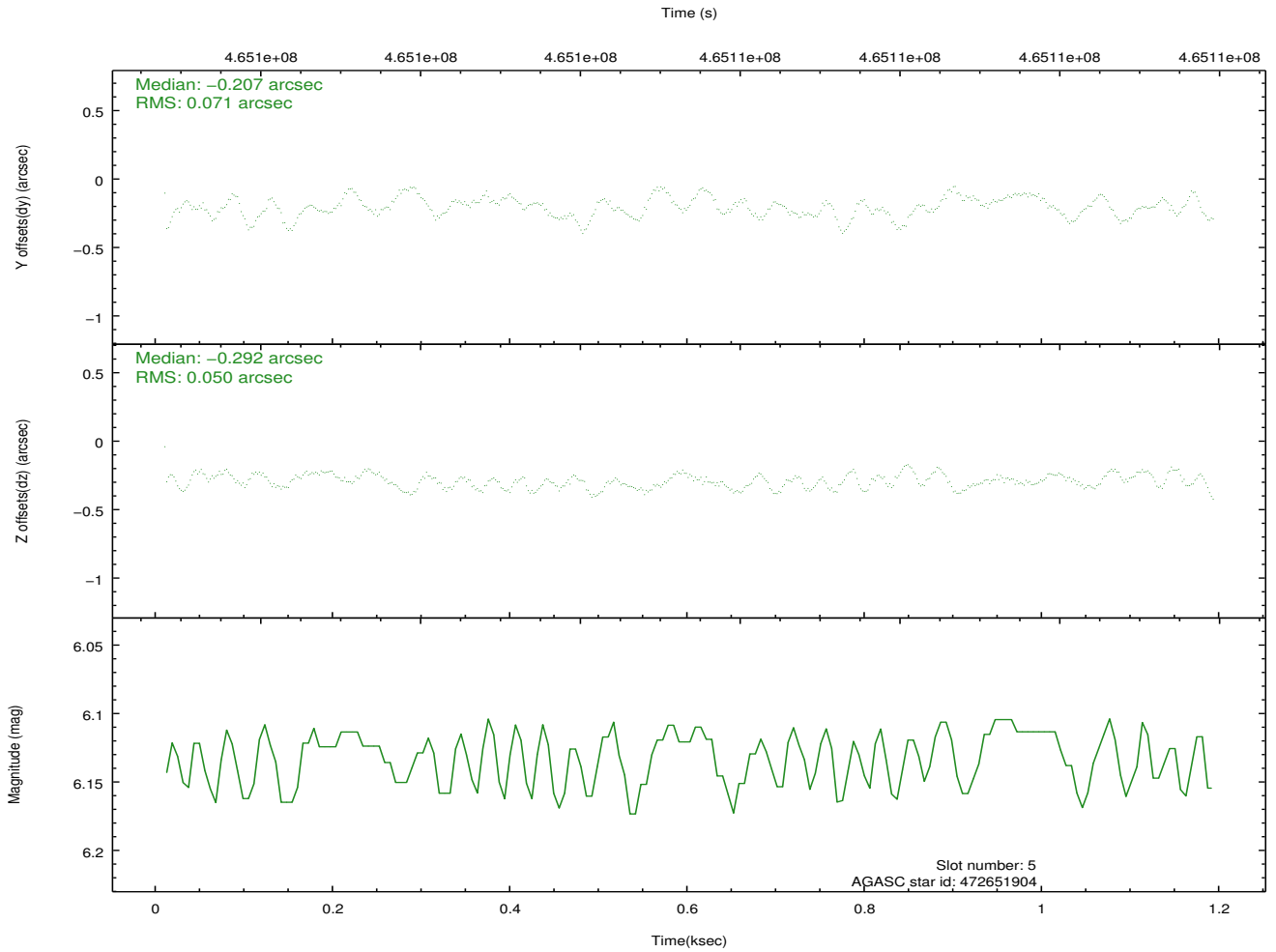
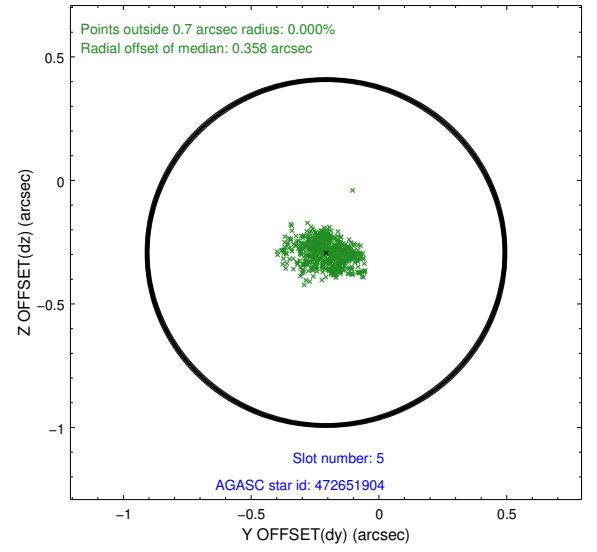
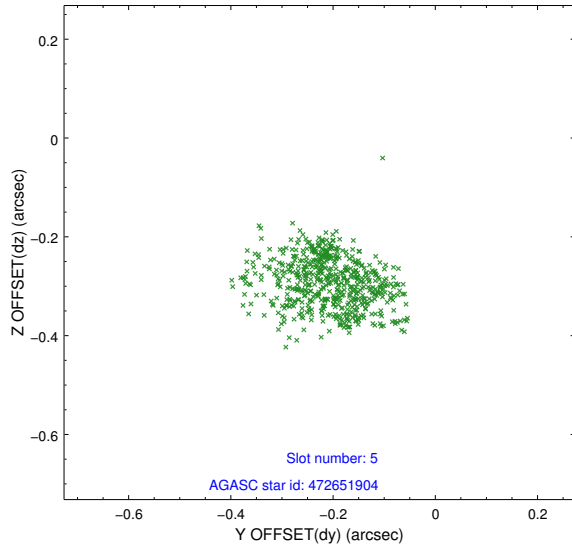
2.4.1 Slot 3



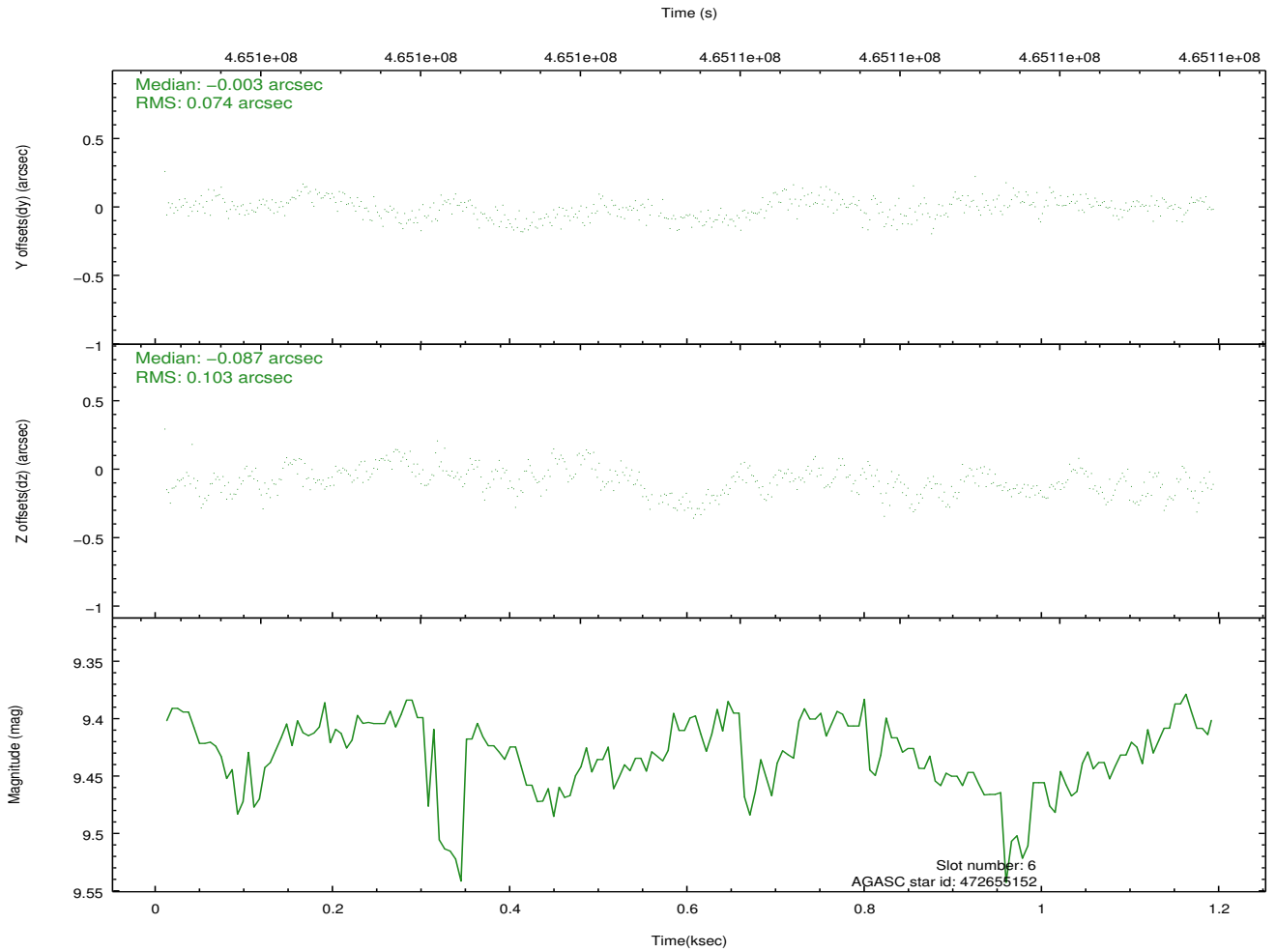
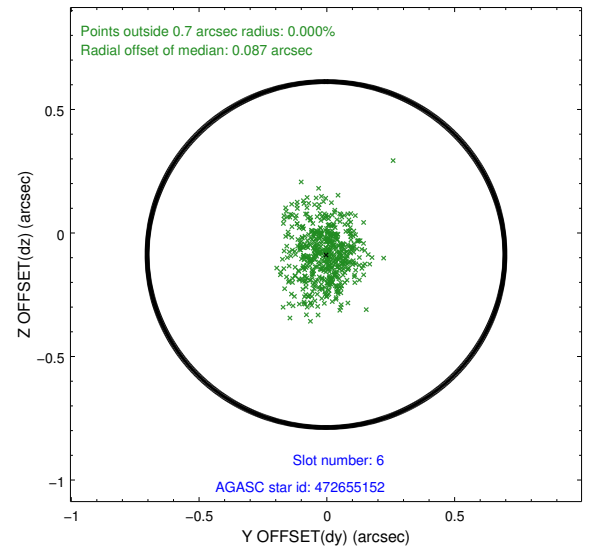
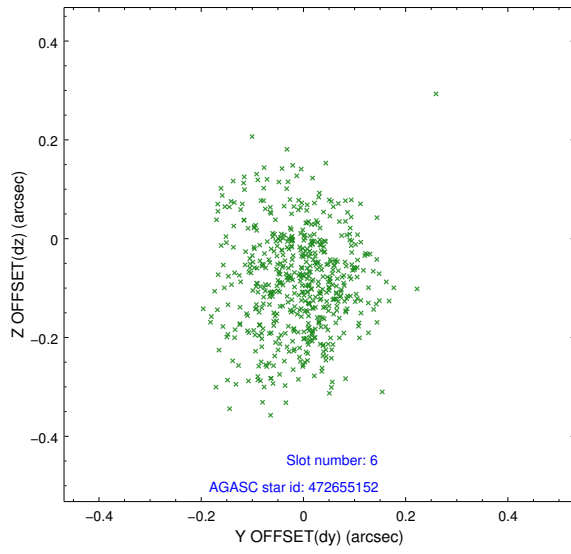
2.4.2 Slot 4



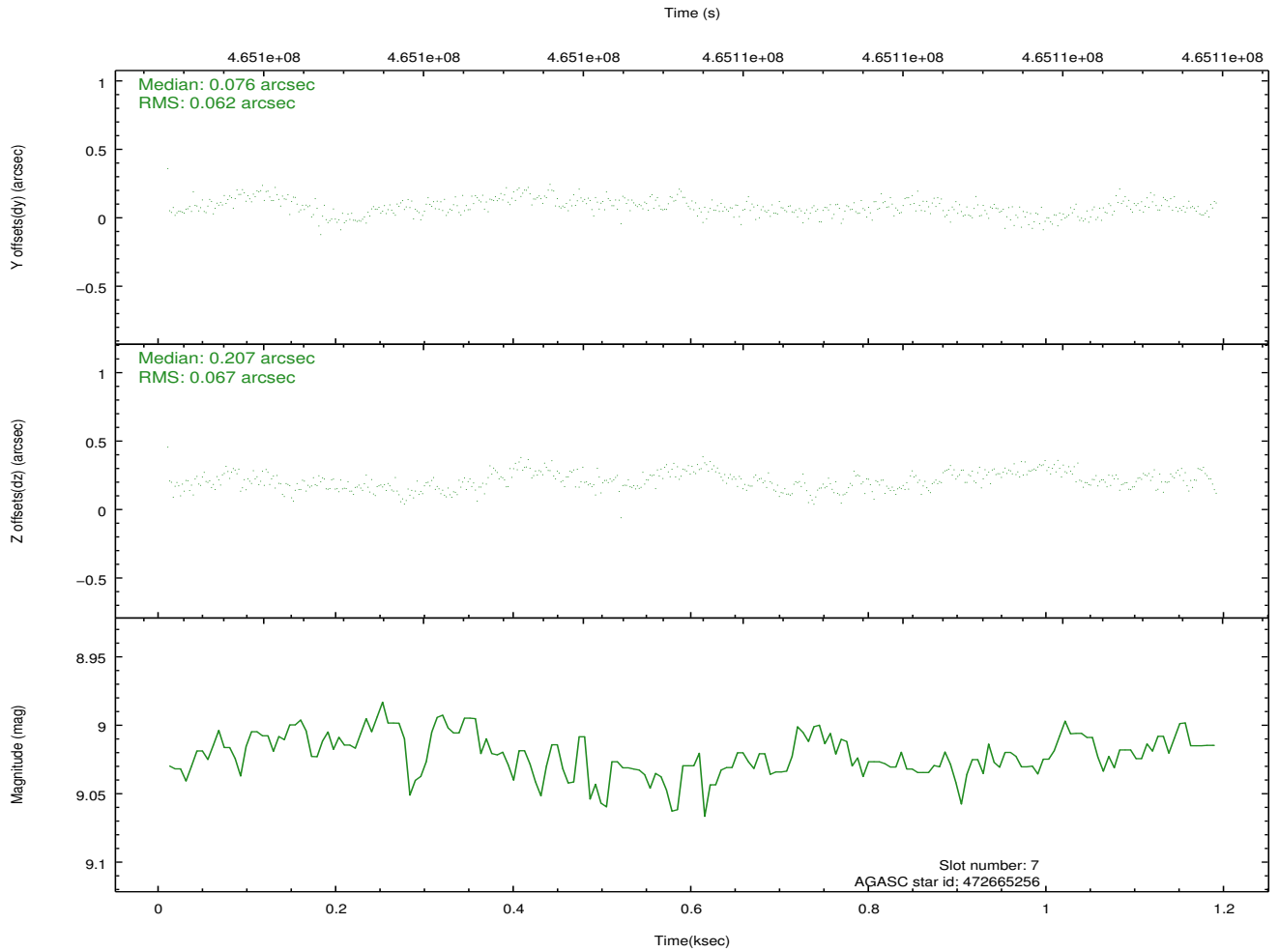
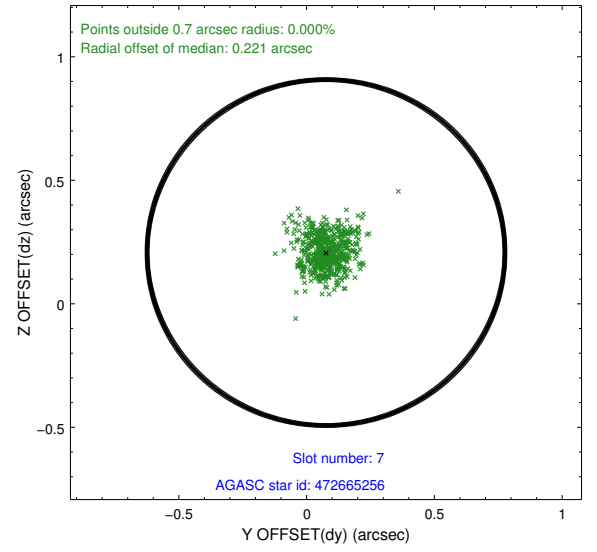
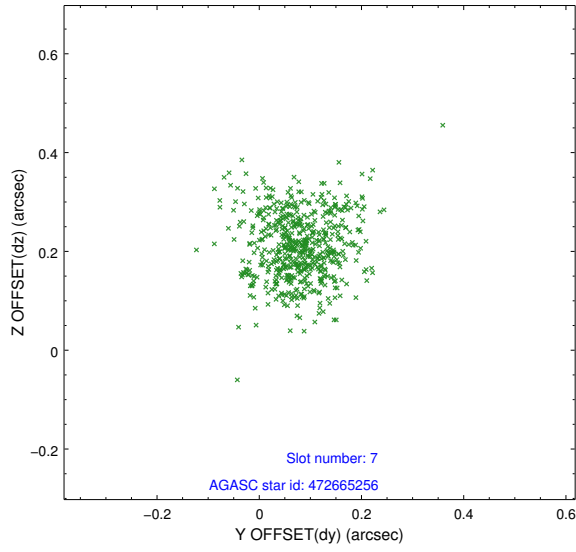
2.4.3 Slot 5



2.4.4 Slot 6

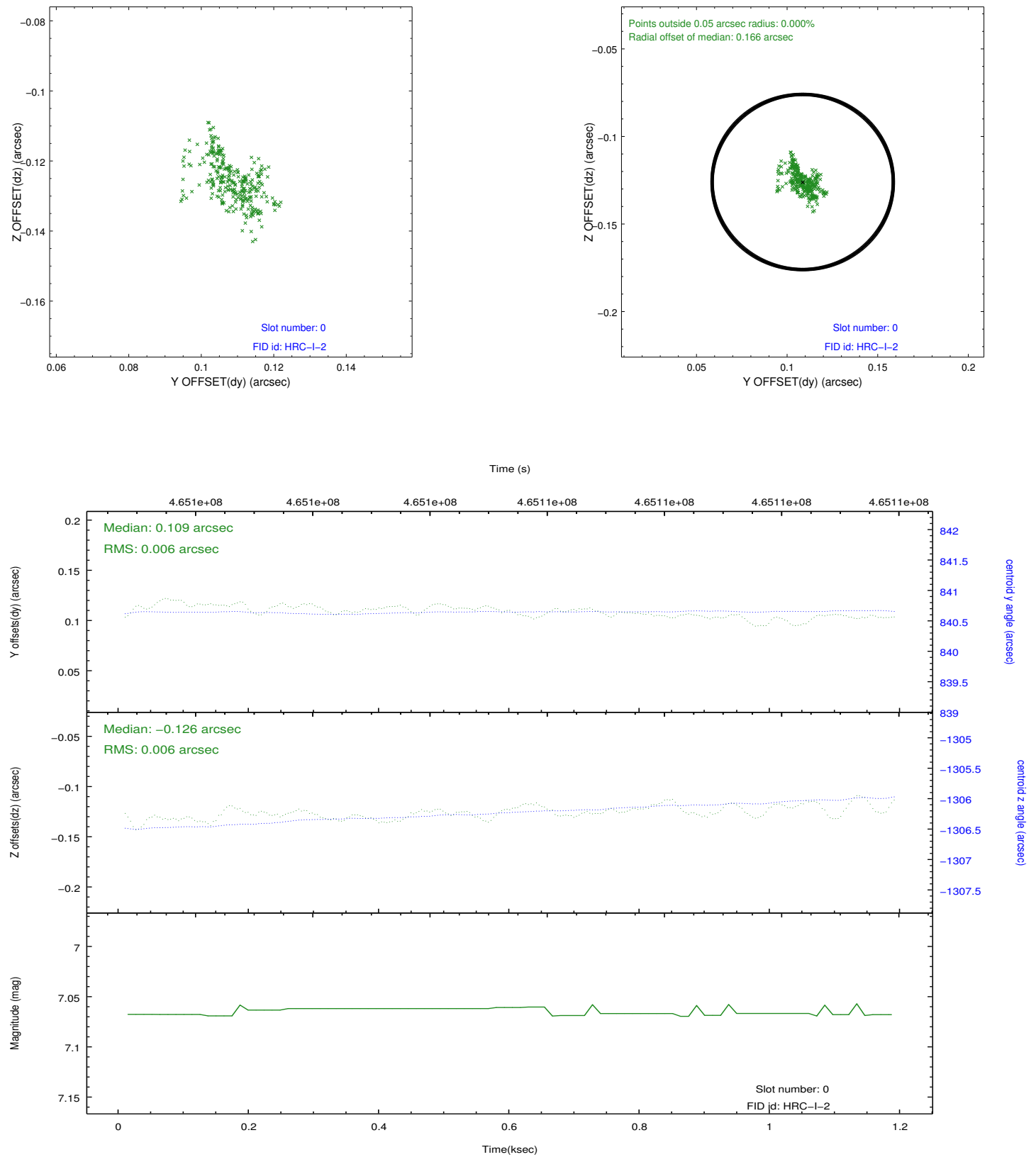


2.4.5 Slot 7

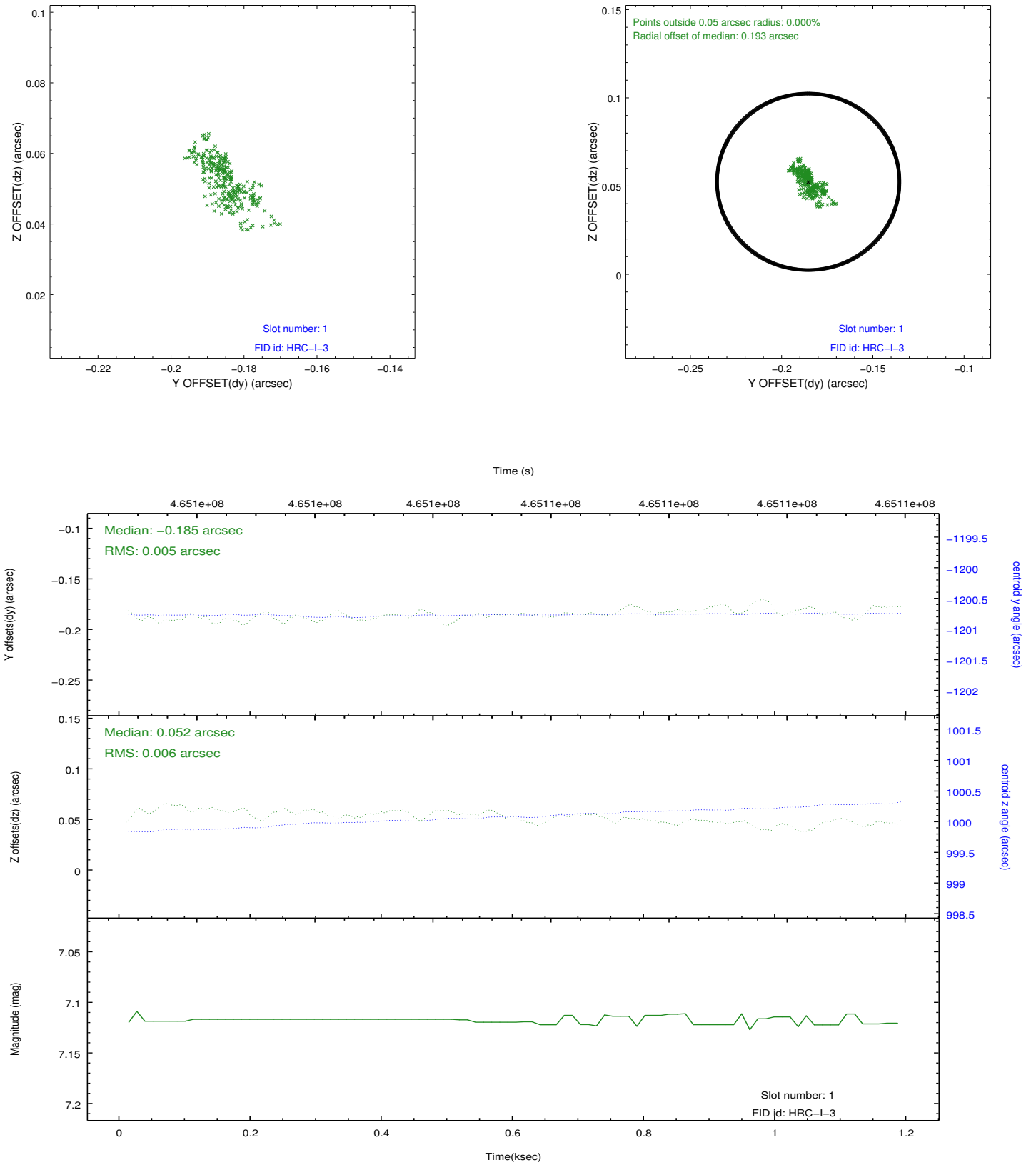


2.5 FID Slots

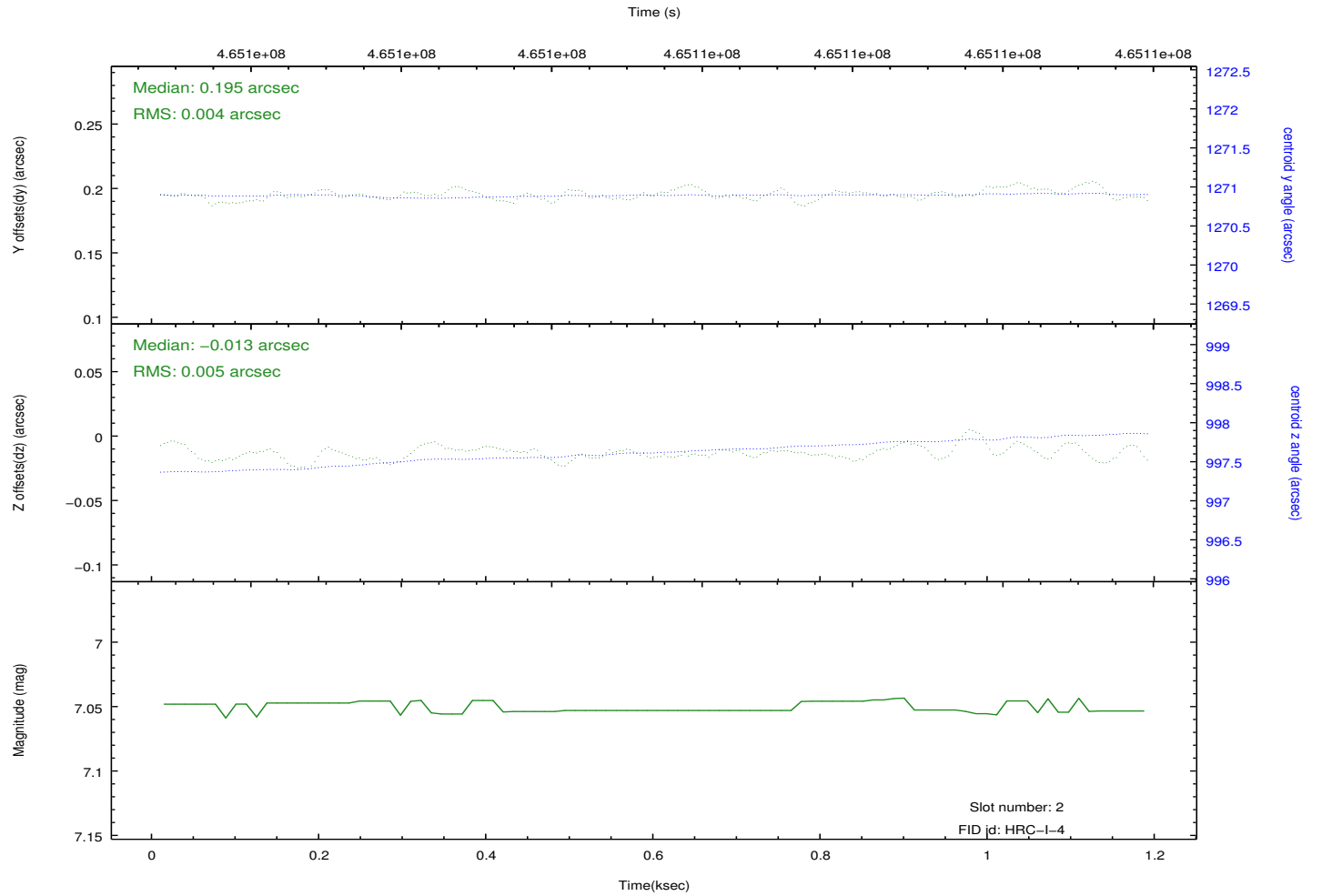
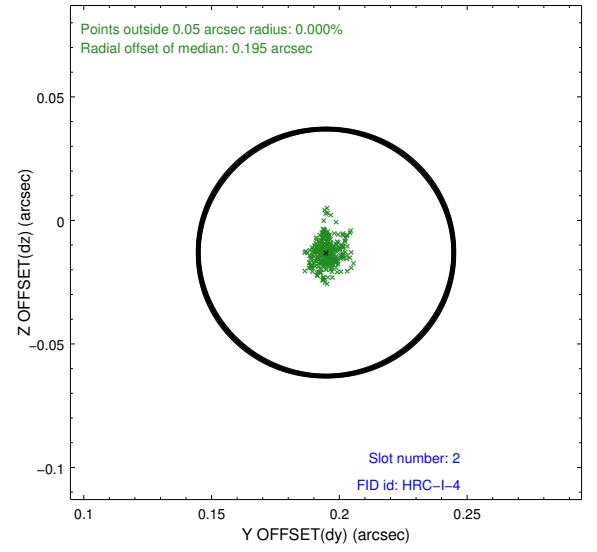
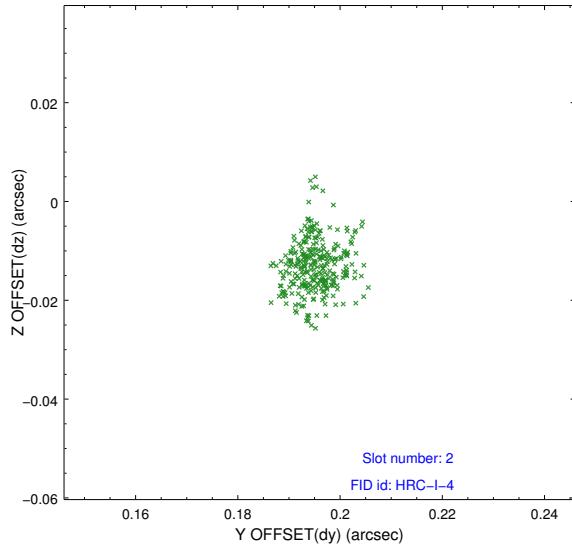
2.5.1 Slot 0



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)	2014.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813133717

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.