

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16396 - L2 Version 1
Chandra X-Ray Center

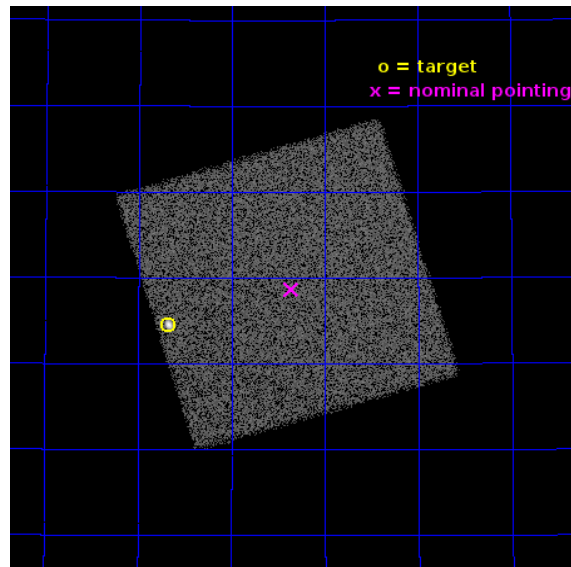
L2 Processing Date : Sep 16 2014

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1 Front

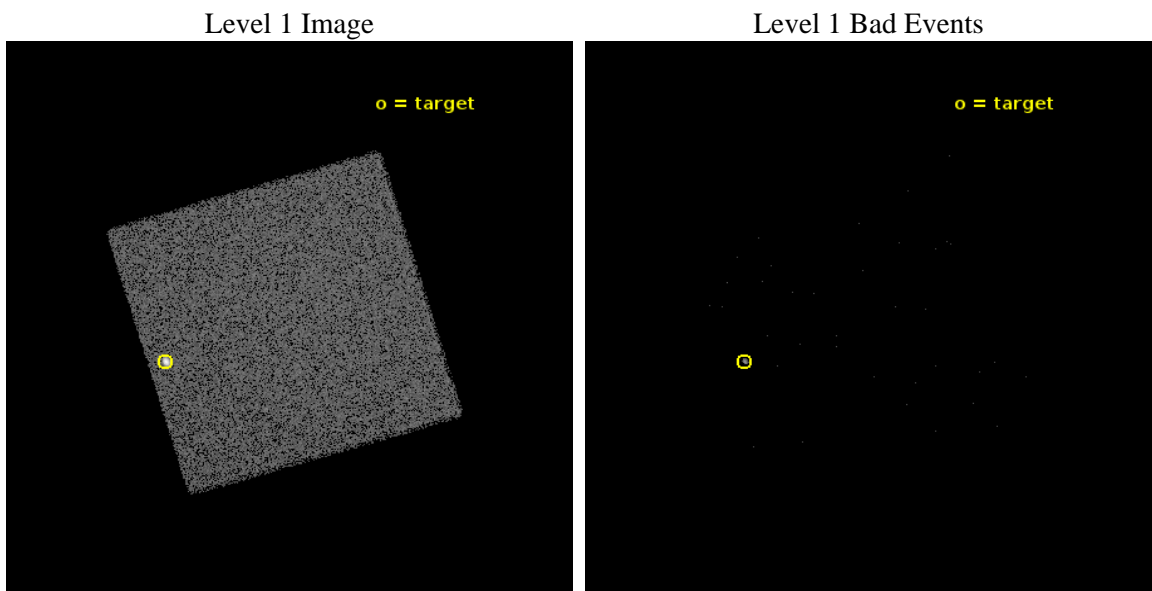
seq_num	291168	Sequence number
obs_id	16396	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.83991196964	Nominal RA [deg]
dec_nom	45.811019932402	Nominal Dec [deg]
roll_nom	208.19905511786	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313158274	[s]
livetime	1174.845542817	Ontime multiplied by DTCOR
l2events	73996	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	10.2.4	Processing system revision	ontime	1184.1313158274	[s]
caldbver	4.6.3	 	l1events	116571	Number of level 1 events
date	2014-09-16T20:27:58	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

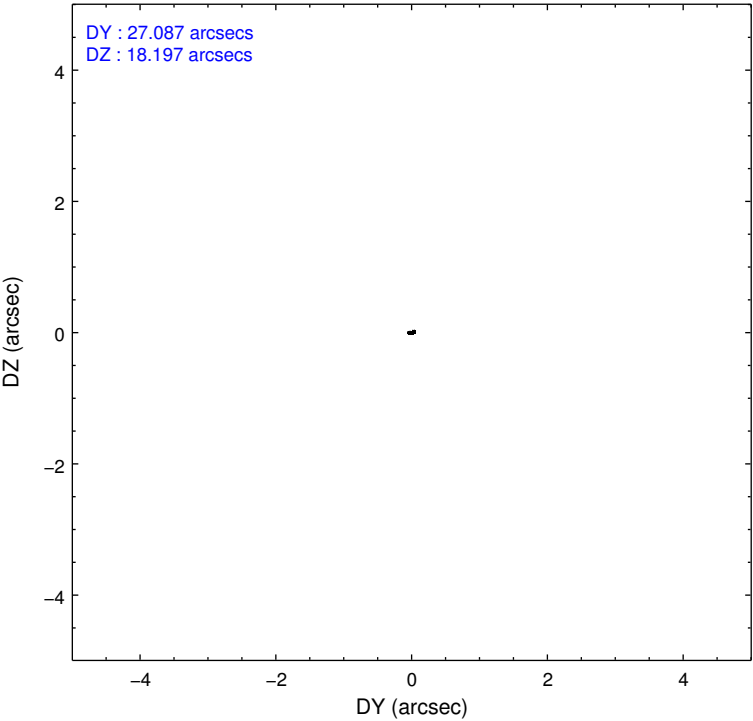
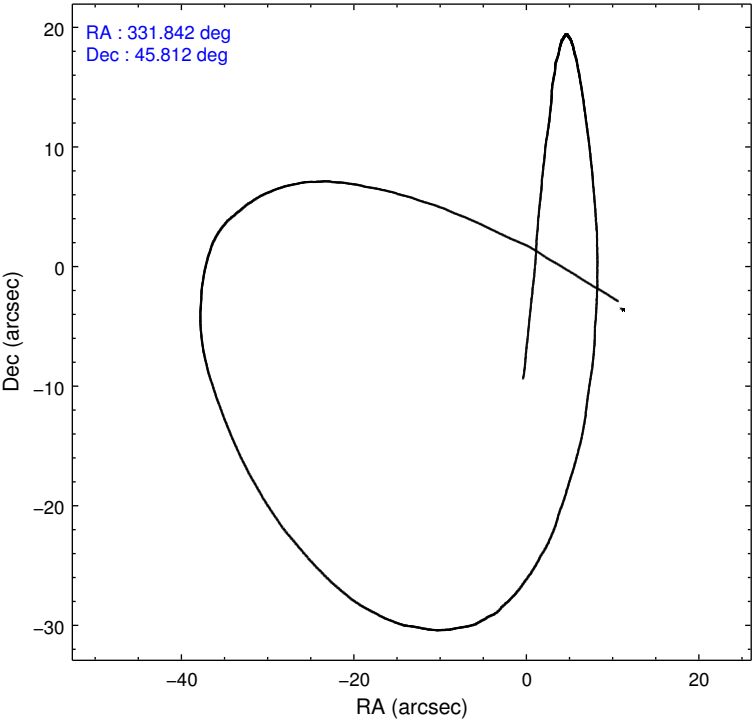
Level 1 Events

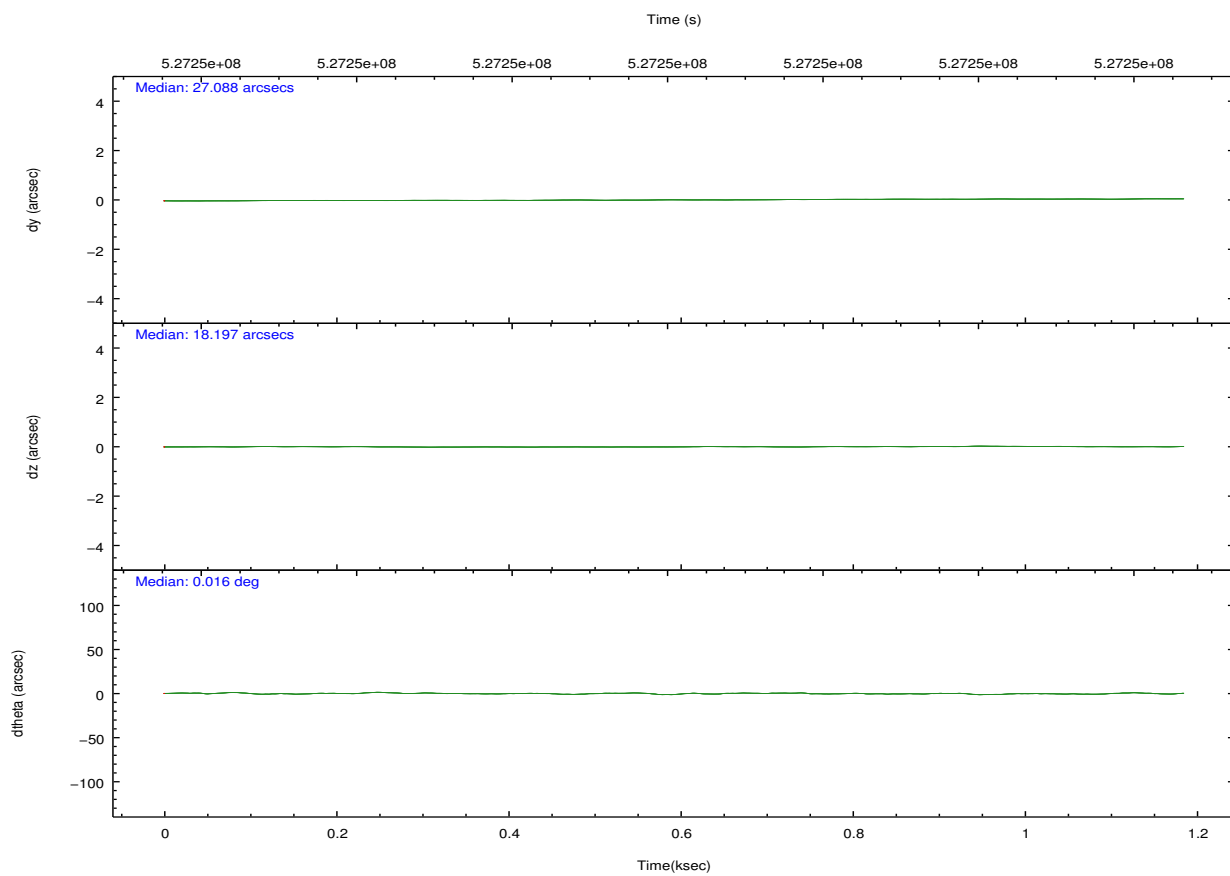
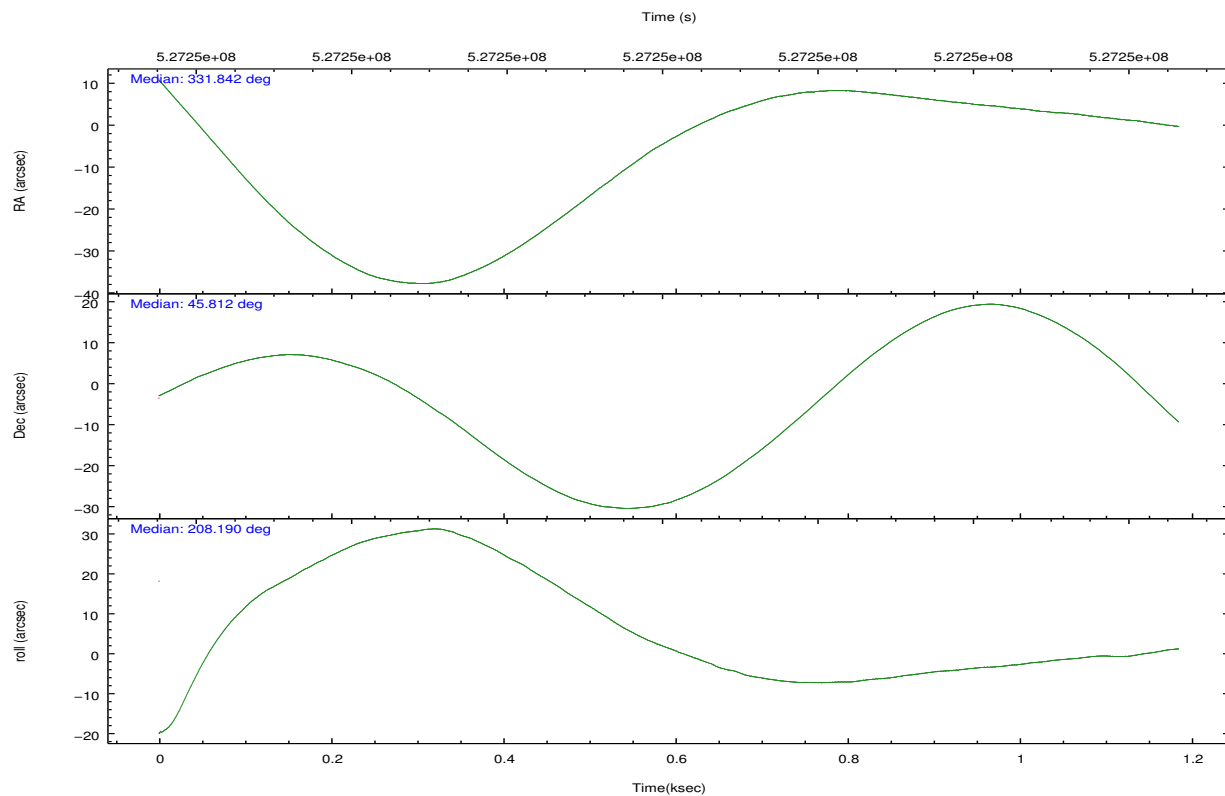
	segment 0
level 1 events	116571
rejected events	17858
rejected %	15%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.860302	331.8399119696351			
[deg] Pointing Dec	45.833488	45.81101993240151			
[deg] Pointing Roll	208.280044	208.199055117863			
[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)	527253401.184000	527253026.01482			
Observation start date	2014-09-16T11:15:34	2014-09-16T11:10:26			
[s] Observation end time (MET)	527254401.184000	527254538.4024			
Observation end date	2014-09-16T11:32:14	2014-09-16T11:35:38			

2.3 Aspect



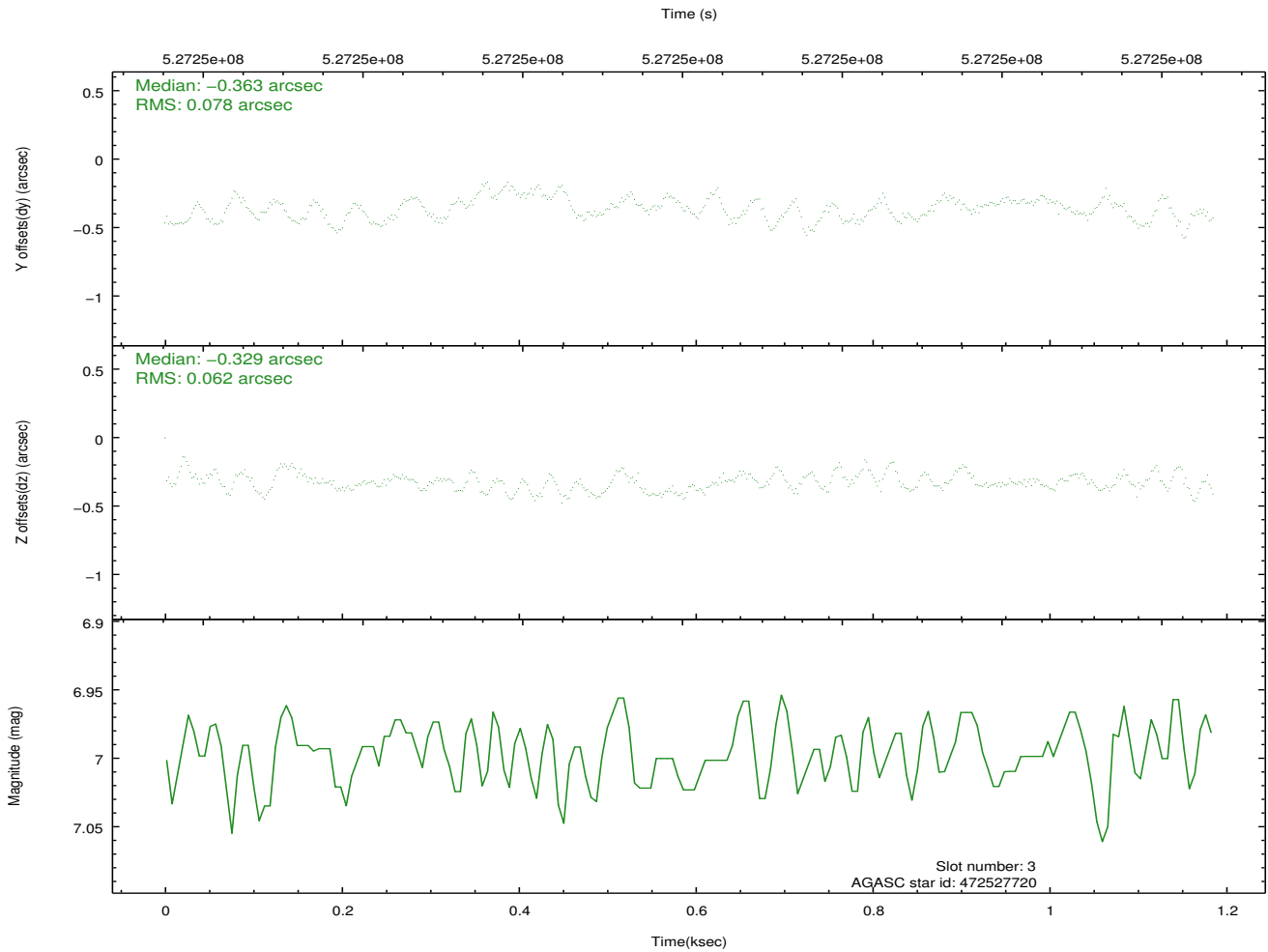
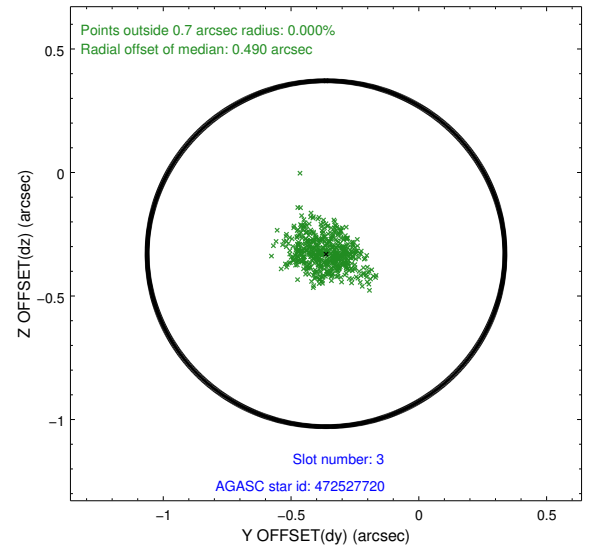
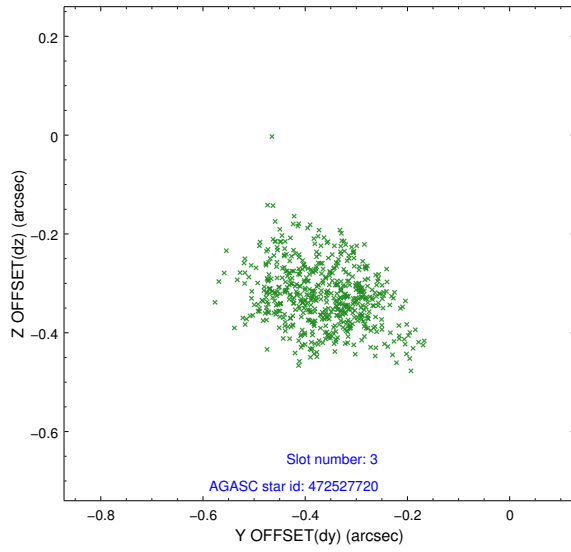


Slot Statistics

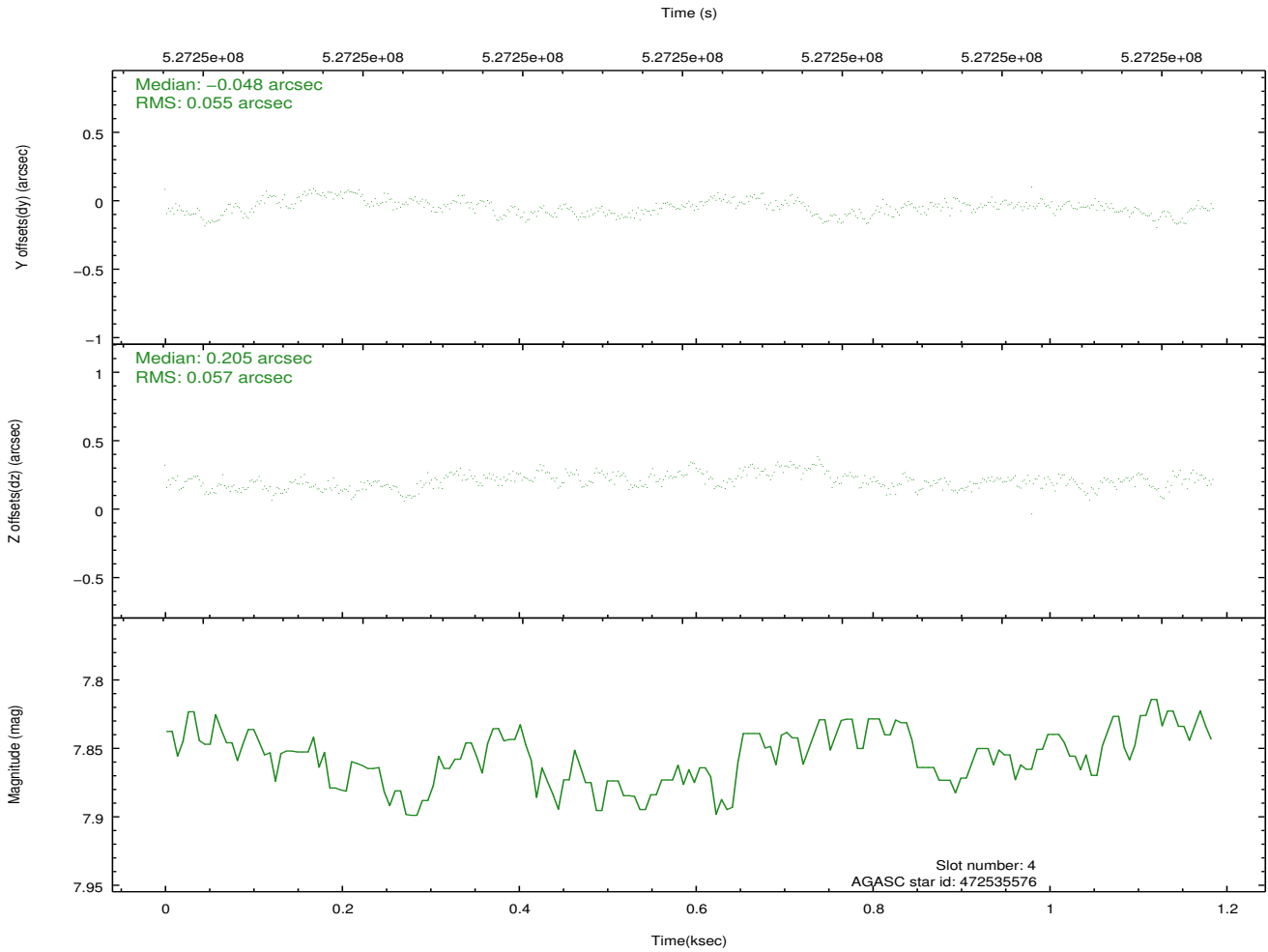
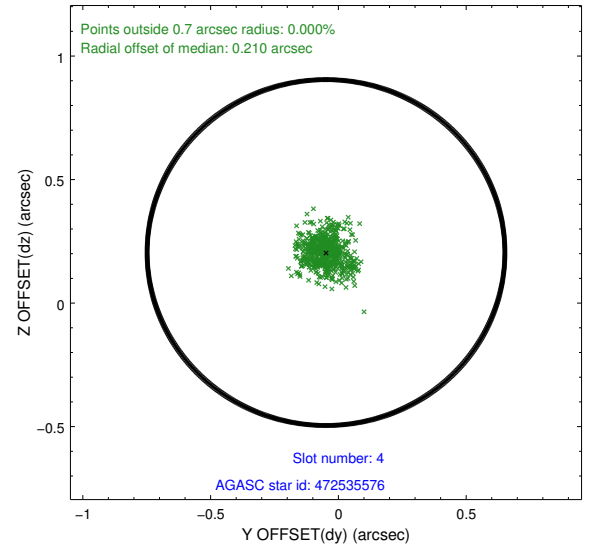
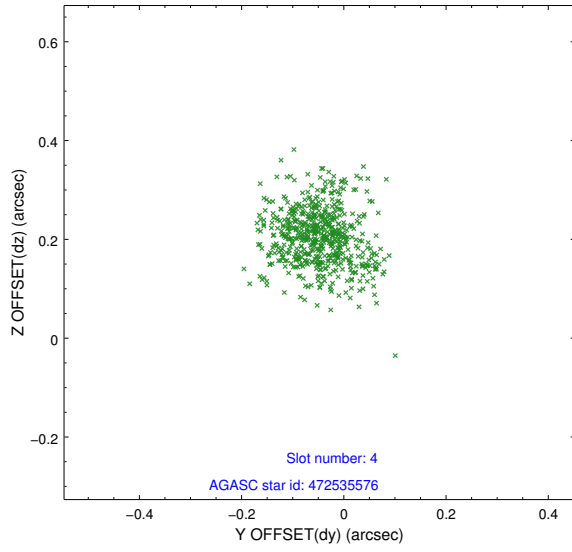
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.03	289	-0.211	-0.155	0.006	0.010	0.000000	0.000000	-783.61	-1306.43
1	FID	HRC-I-2	7.06	290	0.184	-0.012	0.007	0.013	0.000000	0.000000	826.71	-1312.57
2	FID	HRC-I-4	7.05	290	0.143	0.075	0.005	0.009	0.000000	0.000000	1262.68	991.18
3	GUIDE	472527720	7.00	579	-0.363	-0.329	0.106	0.171	331.460205	45.112509	2124.17	1806.07
4	GUIDE	472535576	7.85	579	-0.048	0.205	0.083	0.136	331.438373	46.291802	146.15	-1945.19
5	GUIDE	472536328	8.13	579	0.255	0.406	0.074	0.122	331.496671	46.454831	-264.73	-2397.76
6	GUIDE	472655152	9.41	578	0.188	-0.011	0.156	0.255	332.504239	45.862991	-1474.36	665.58
7	GUIDE	472523760	8.22	578	-0.028	-0.270	0.075	0.125	331.645363	45.403260	1210.37	1111.16

2.4 Star Slots

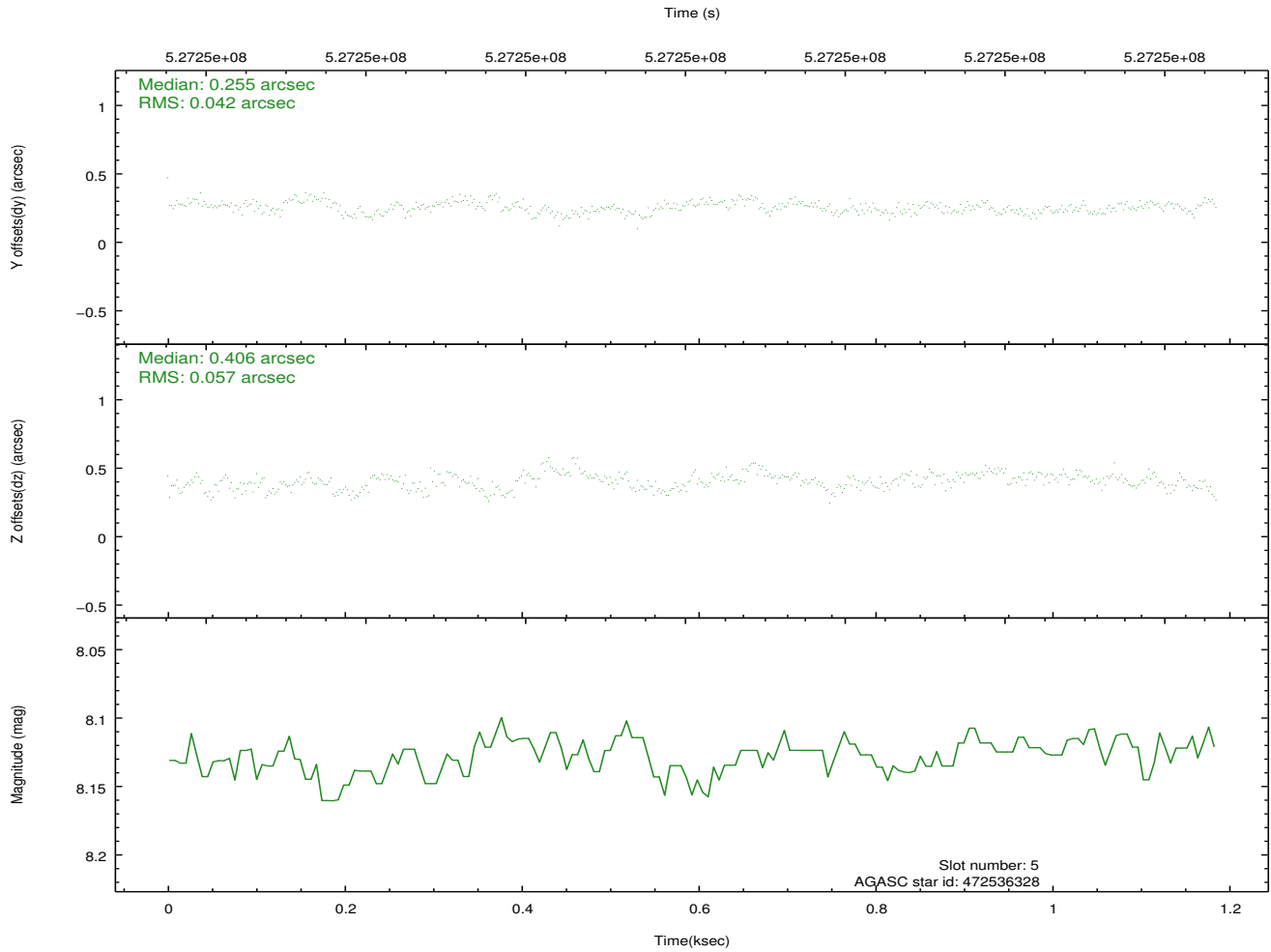
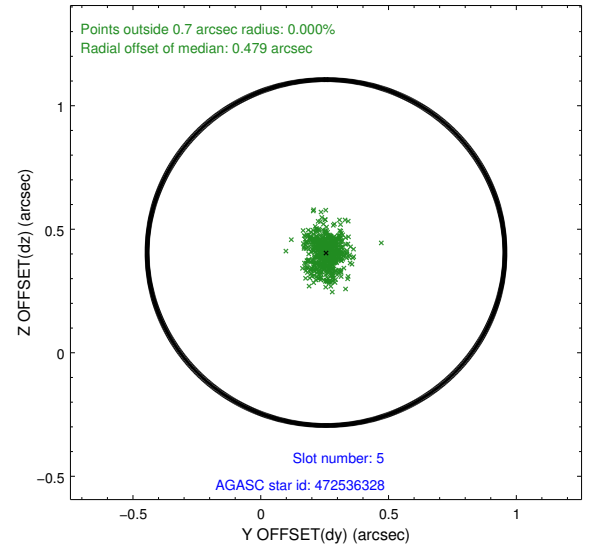
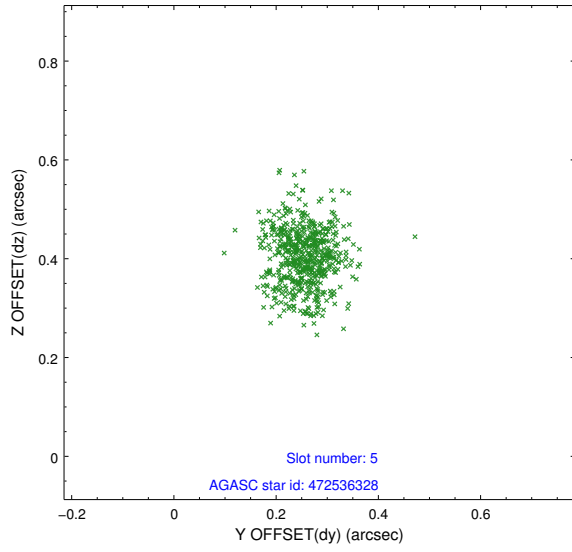
2.4.1 Slot 3



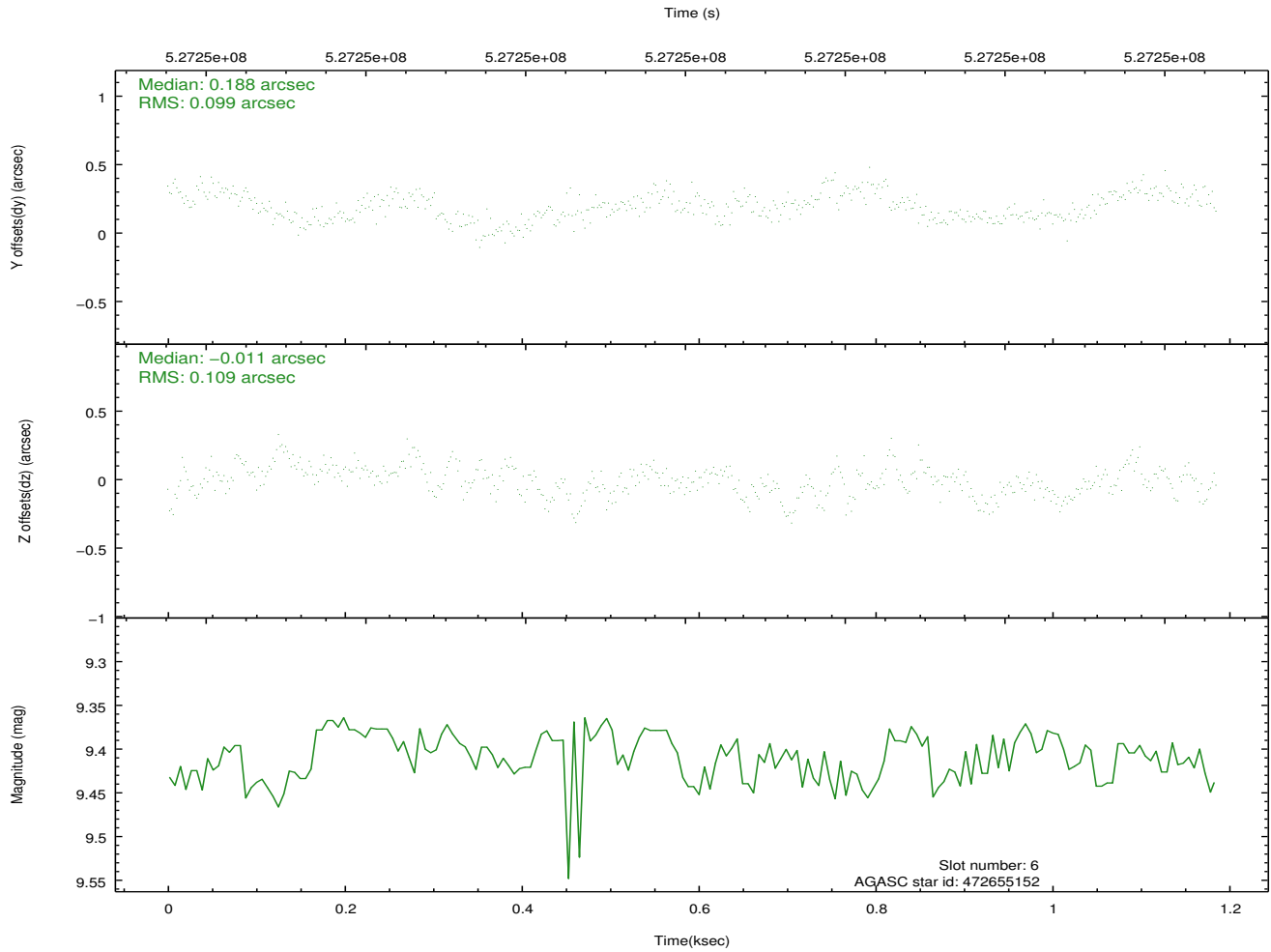
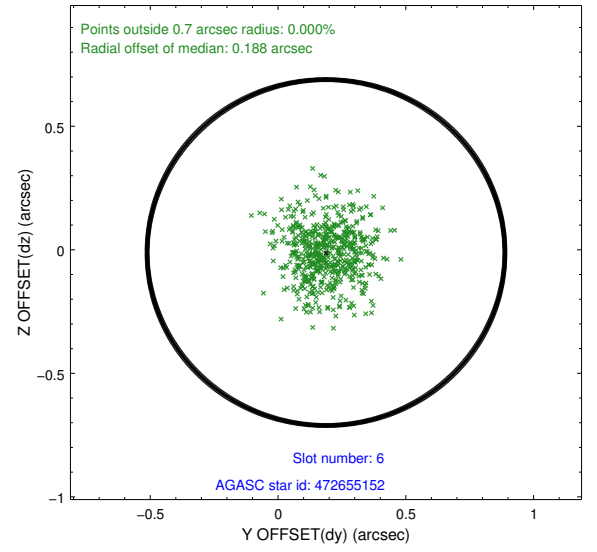
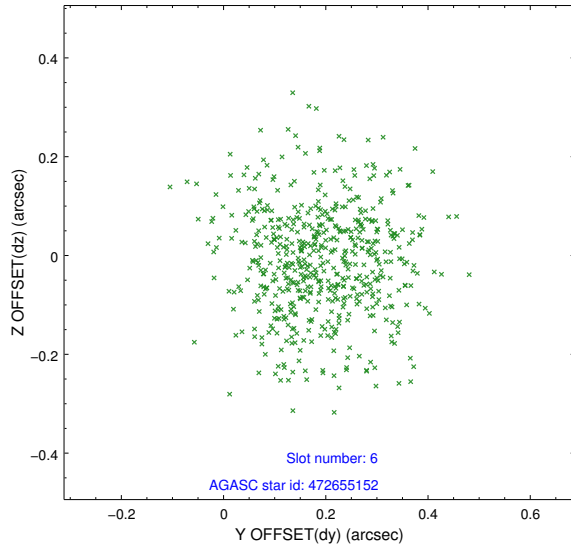
2.4.2 Slot 4



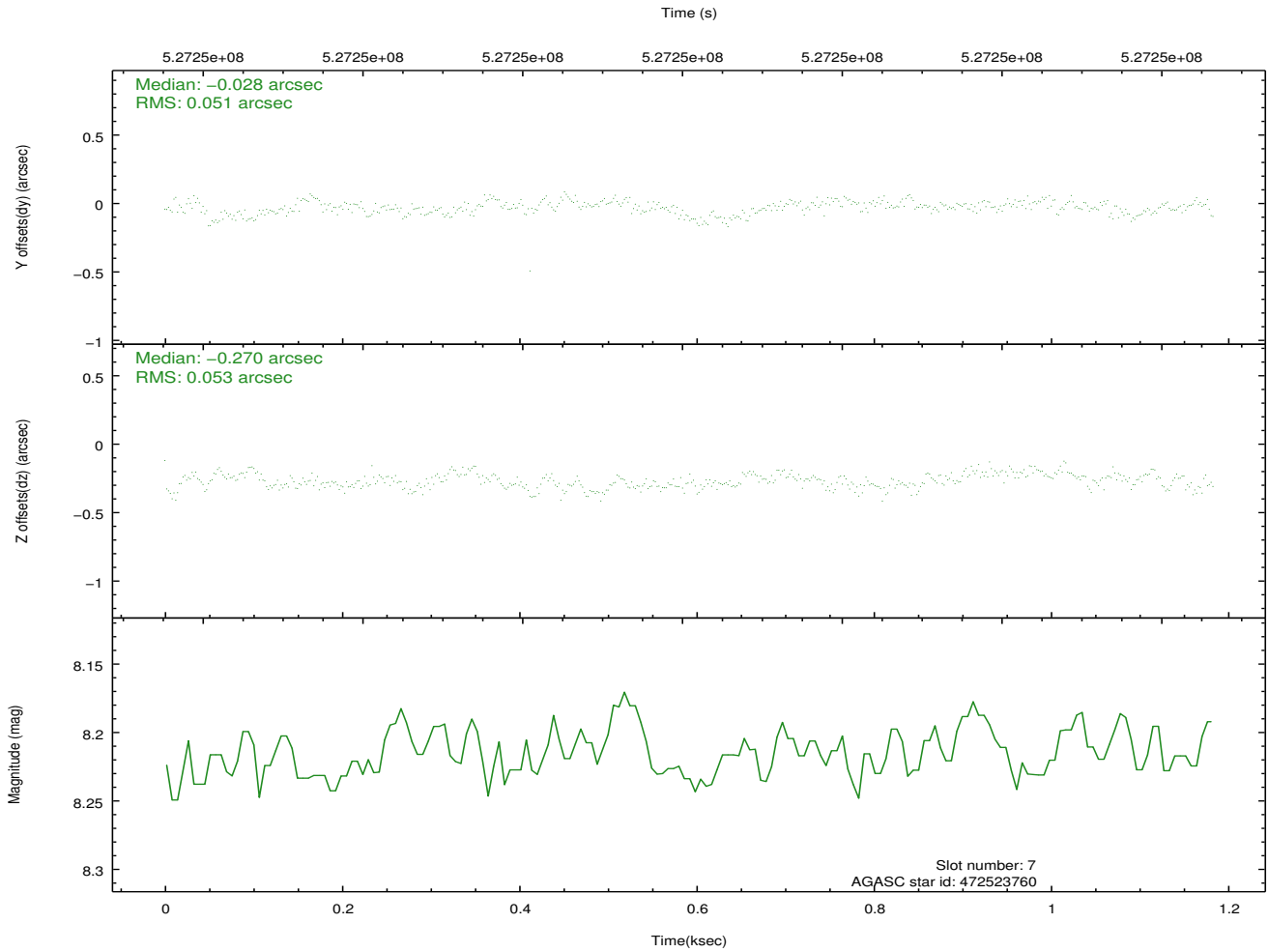
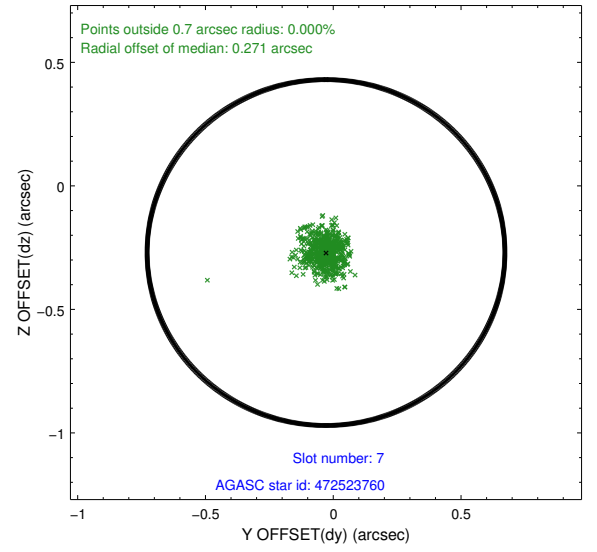
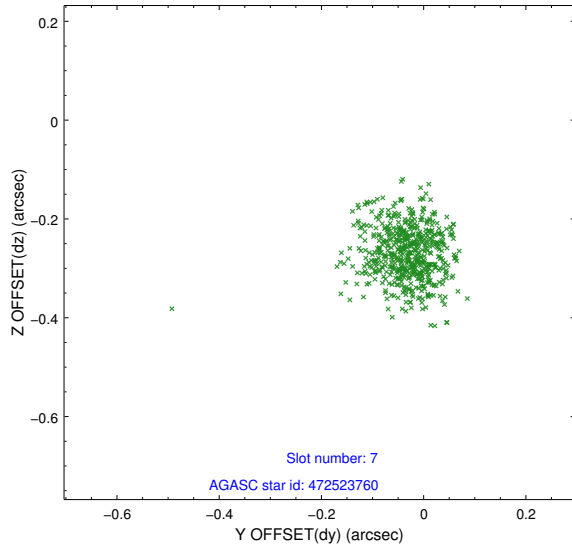
2.4.3 Slot 5



2.4.4 Slot 6

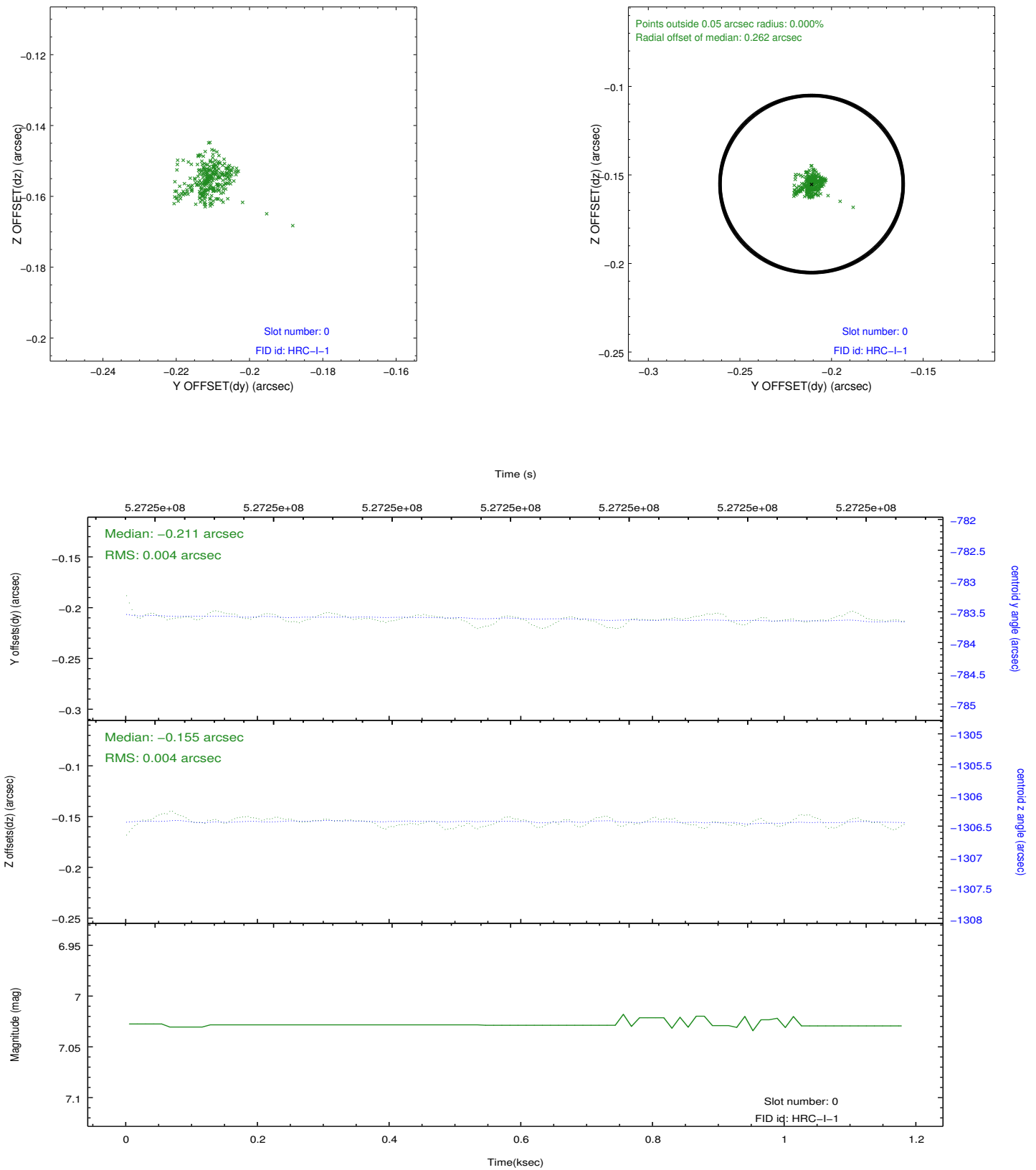


2.4.5 Slot 7

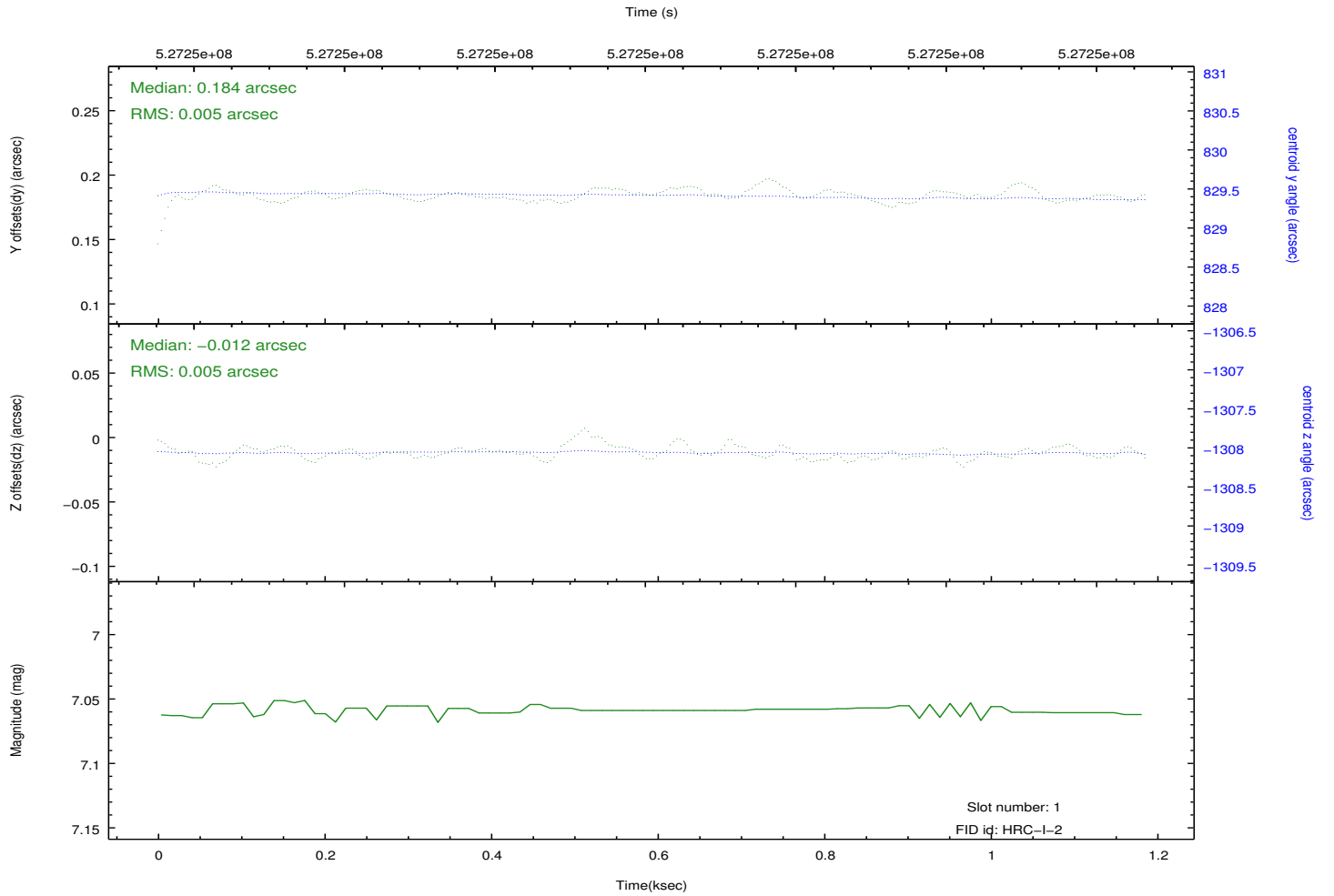
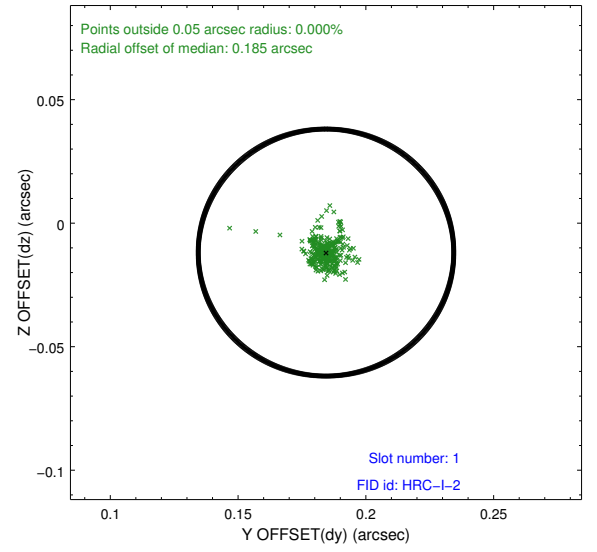
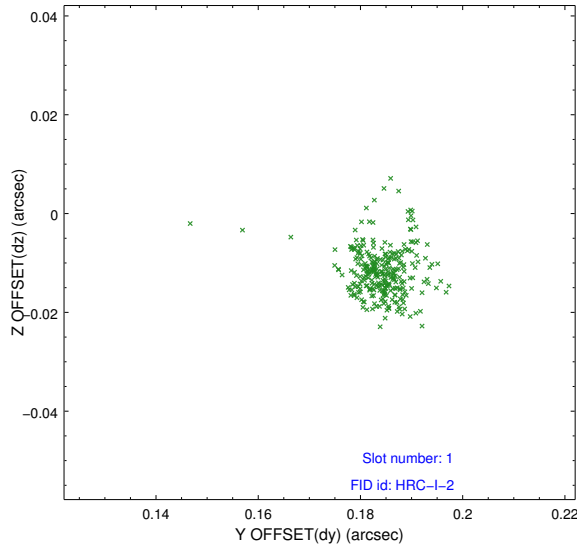


2.5 FID Slots

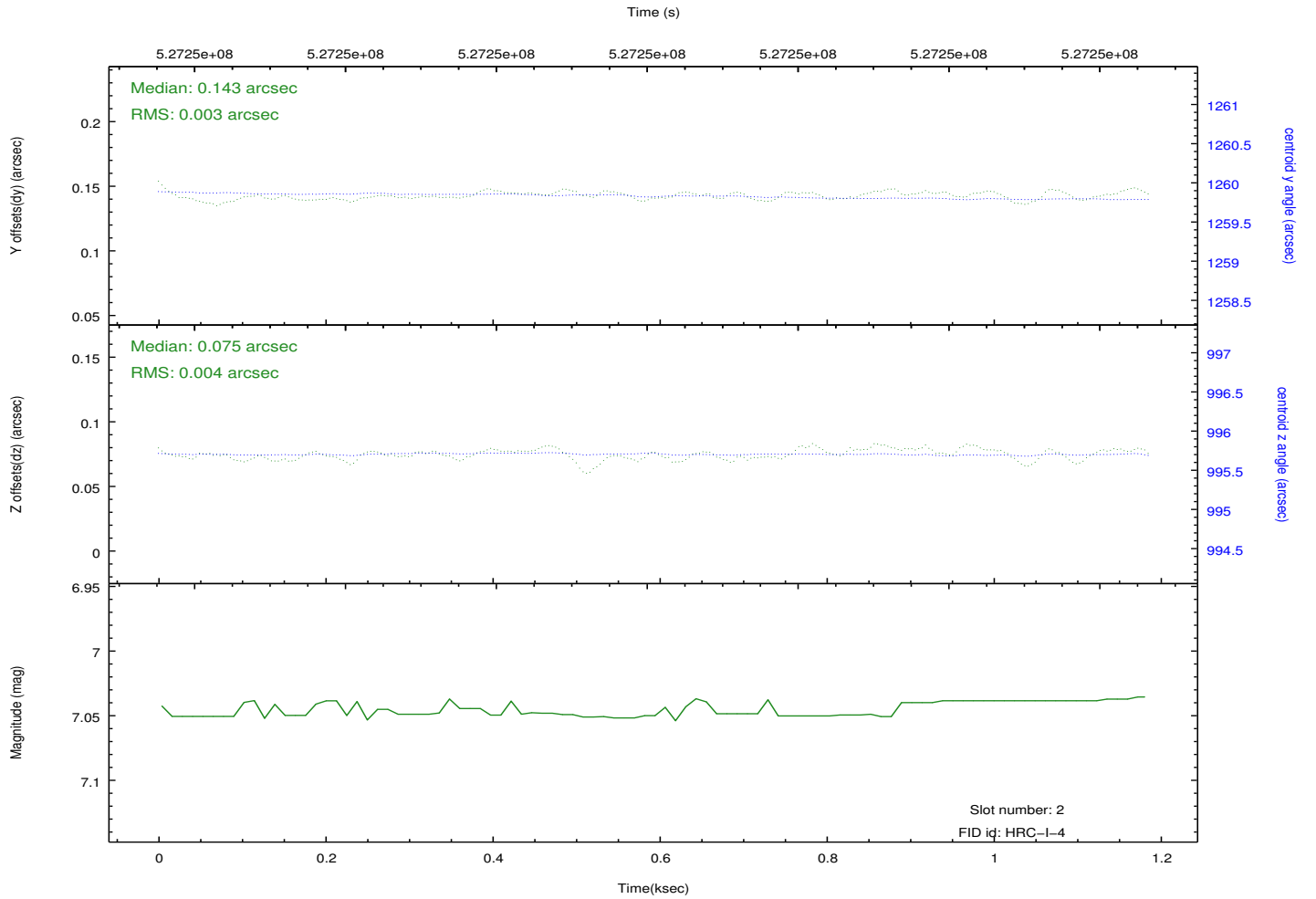
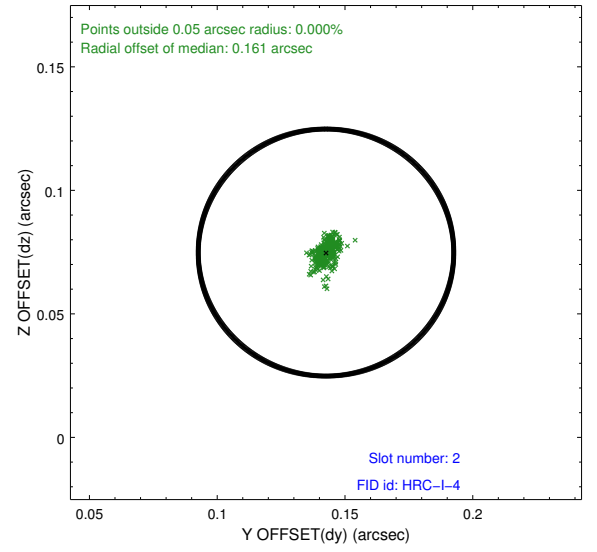
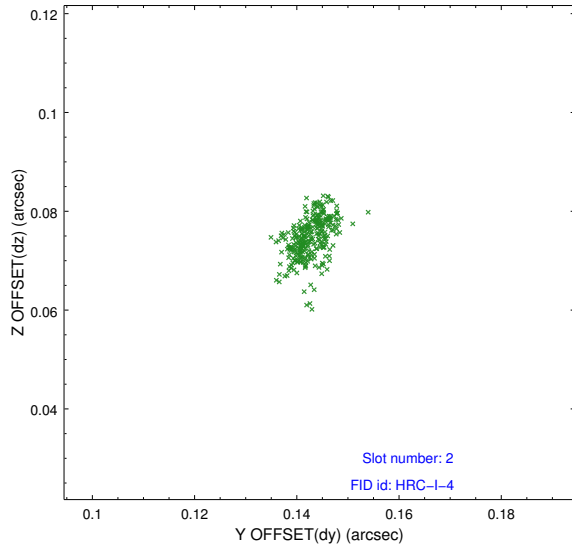
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313158274

A.2 Comments