

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16404 - L2 Version 1
Chandra X-Ray Center

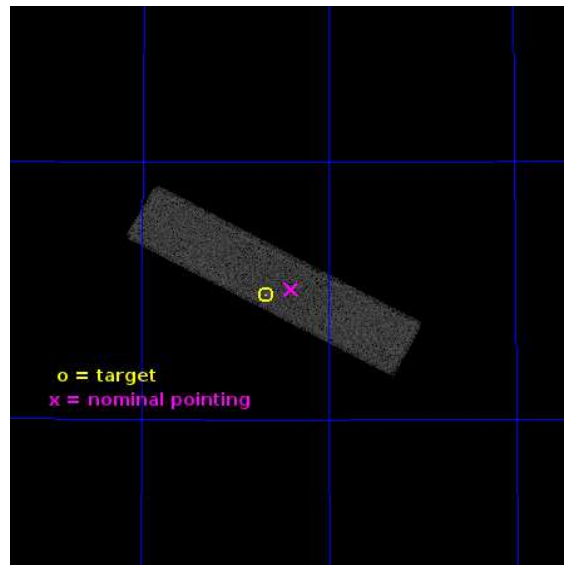
L2 Processing Date : Sep 16 2014

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1 Front

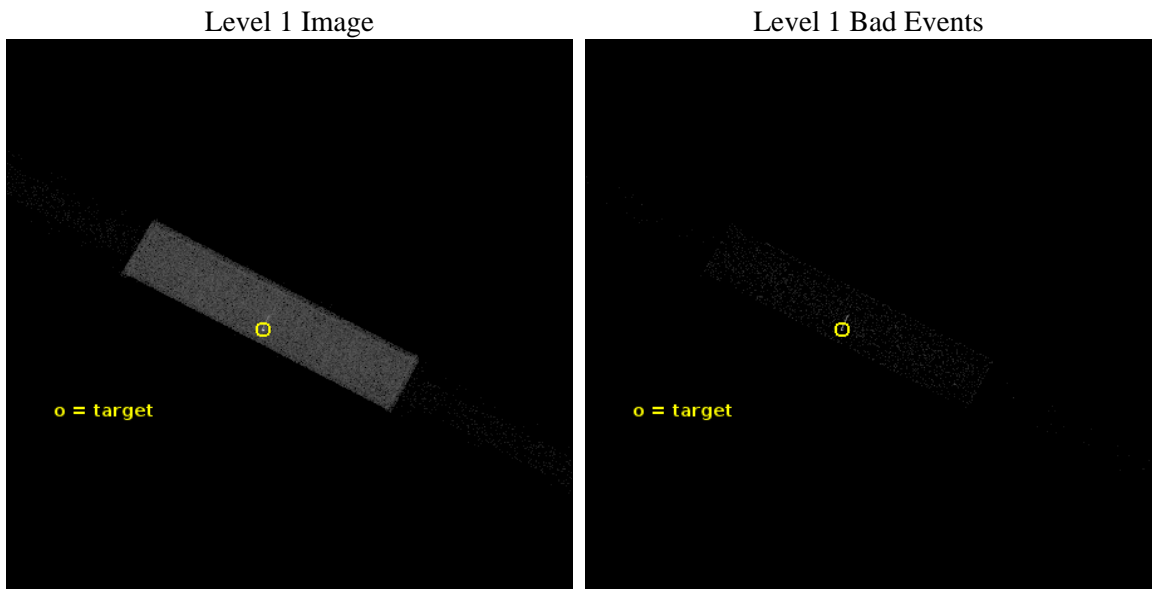
seq_num	291176	Sequence number
obs_id	16404	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09993340738	Nominal RA [deg]
dec_nom	45.753244245211	Nominal Dec [deg]
roll_nom	208.27289576061	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313141704	[s]
livetime	1148.2912412369	Ontime multiplied by DTCOR
l2events	52814	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	1155.4313141704	[s]
caldsver	4.6.3	 	l1events	81813	Number of level 1 events
date	2014-09-17T03:28:29	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

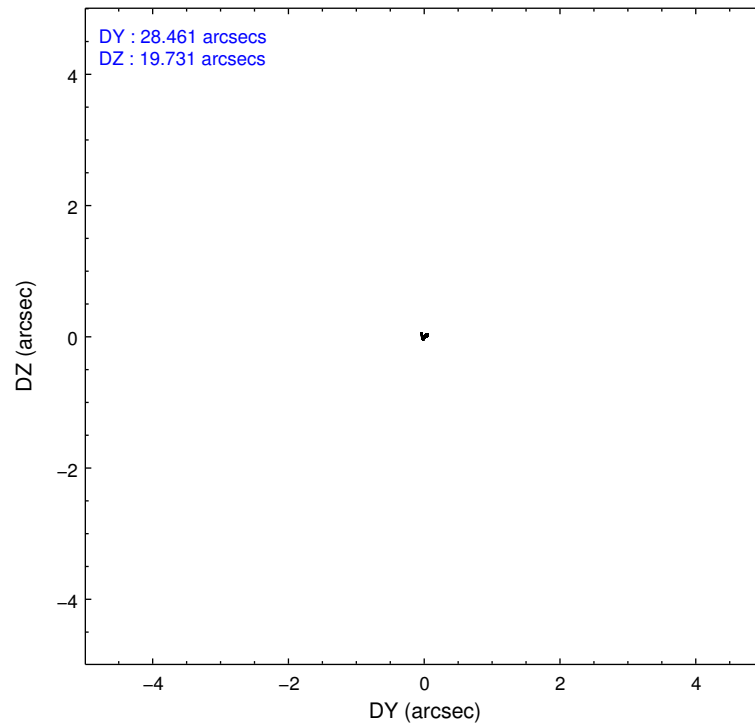
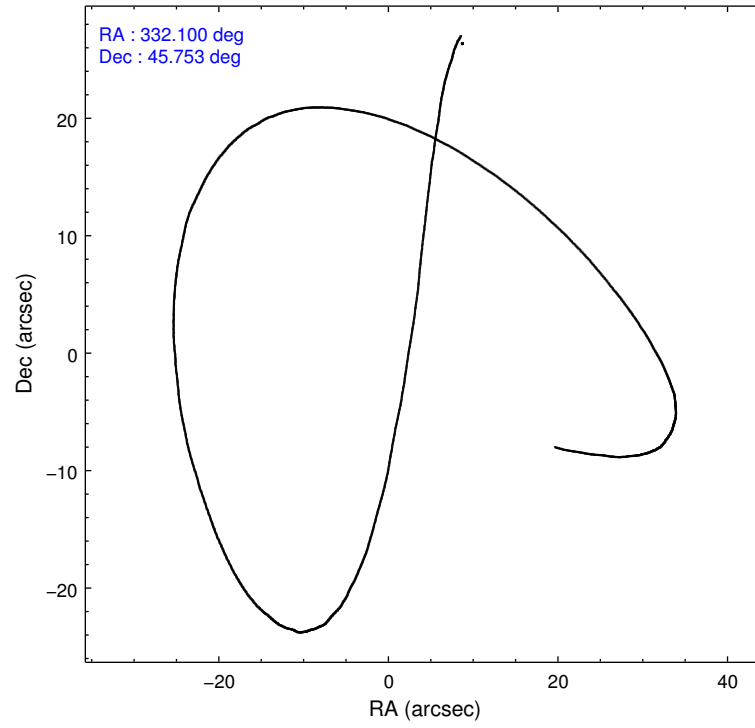
Level 1 Events

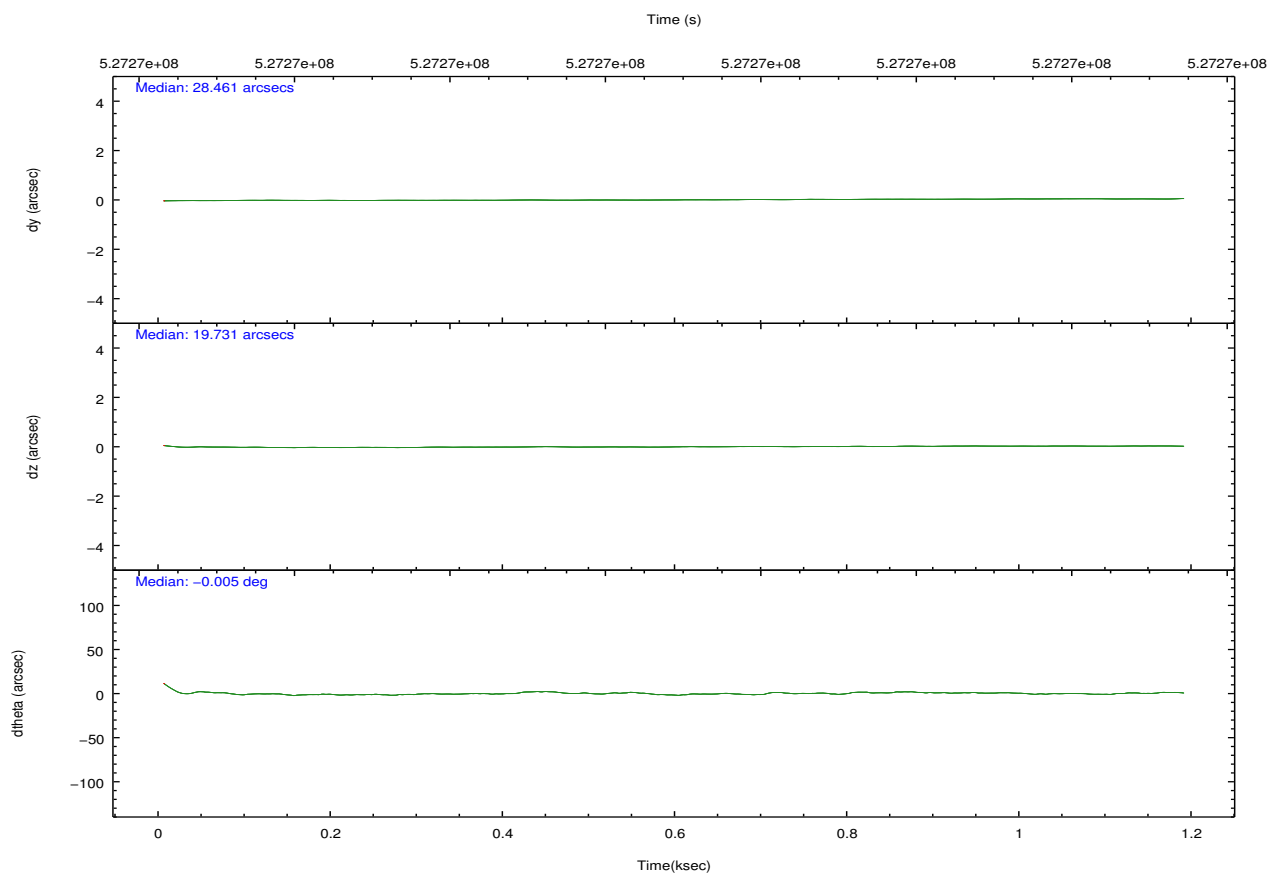
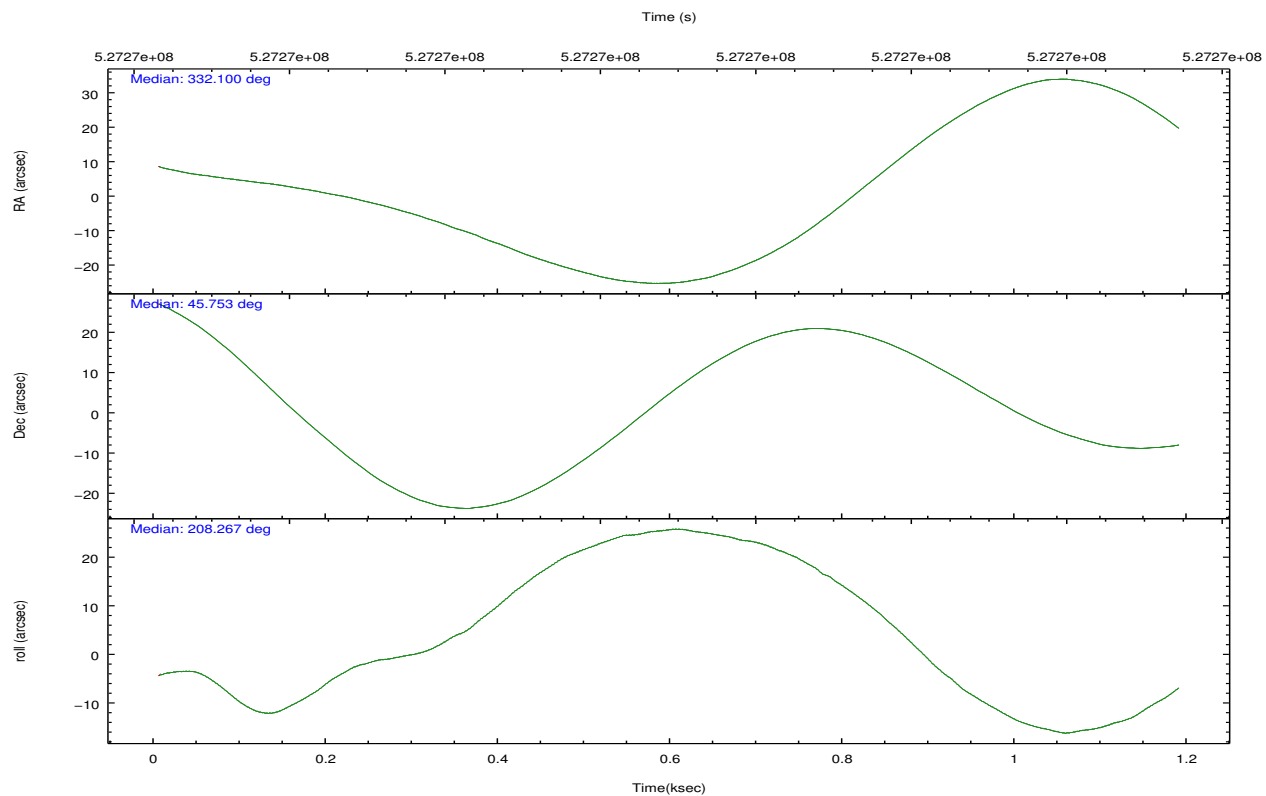
	segment 1	segment 2	segment 3
level 1 events	762	80355	696
rejected events	762	18063	694
rejected %	100%	22%	99%

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	332.119138	332.0999334073751			
[deg] Pointing Dec	45.778893	45.75324424521136			
[deg] Pointing Roll	208.191802	208.2728957606098			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	527267488.184000	527267111.5656			
Observation start date	2014-09-16T15:10:21	2014-09-16T15:05:11			
[s] Observation end time (MET)	527268488.184000	527268621.39069			
Observation end date	2014-09-16T15:27:01	2014-09-16T15:30:21			

2.3 Aspect



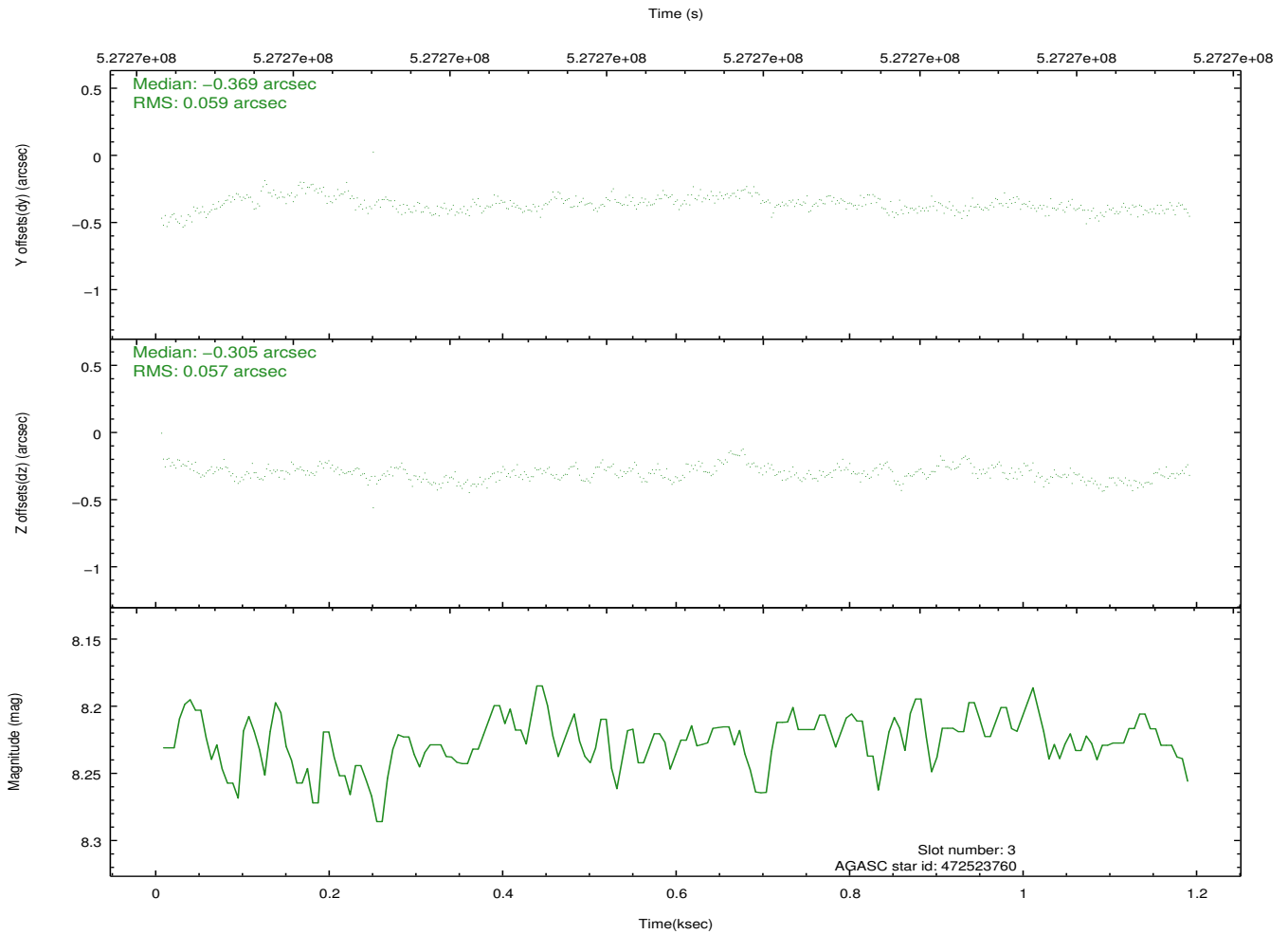
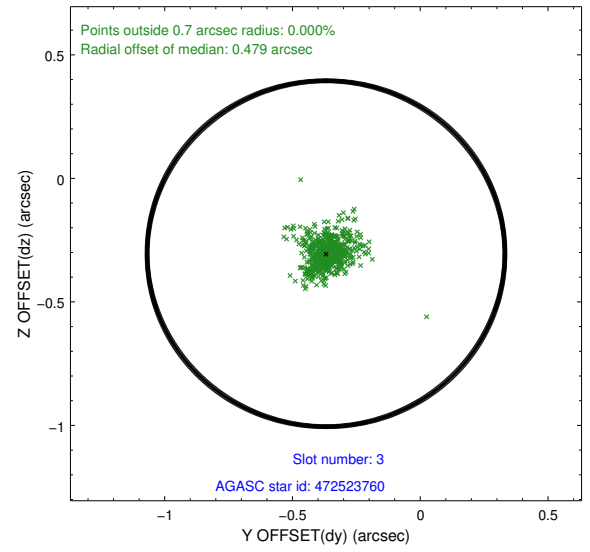
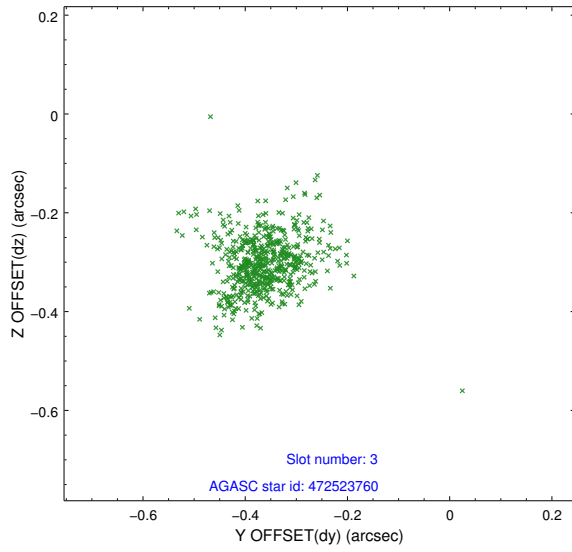


Slot Statistics

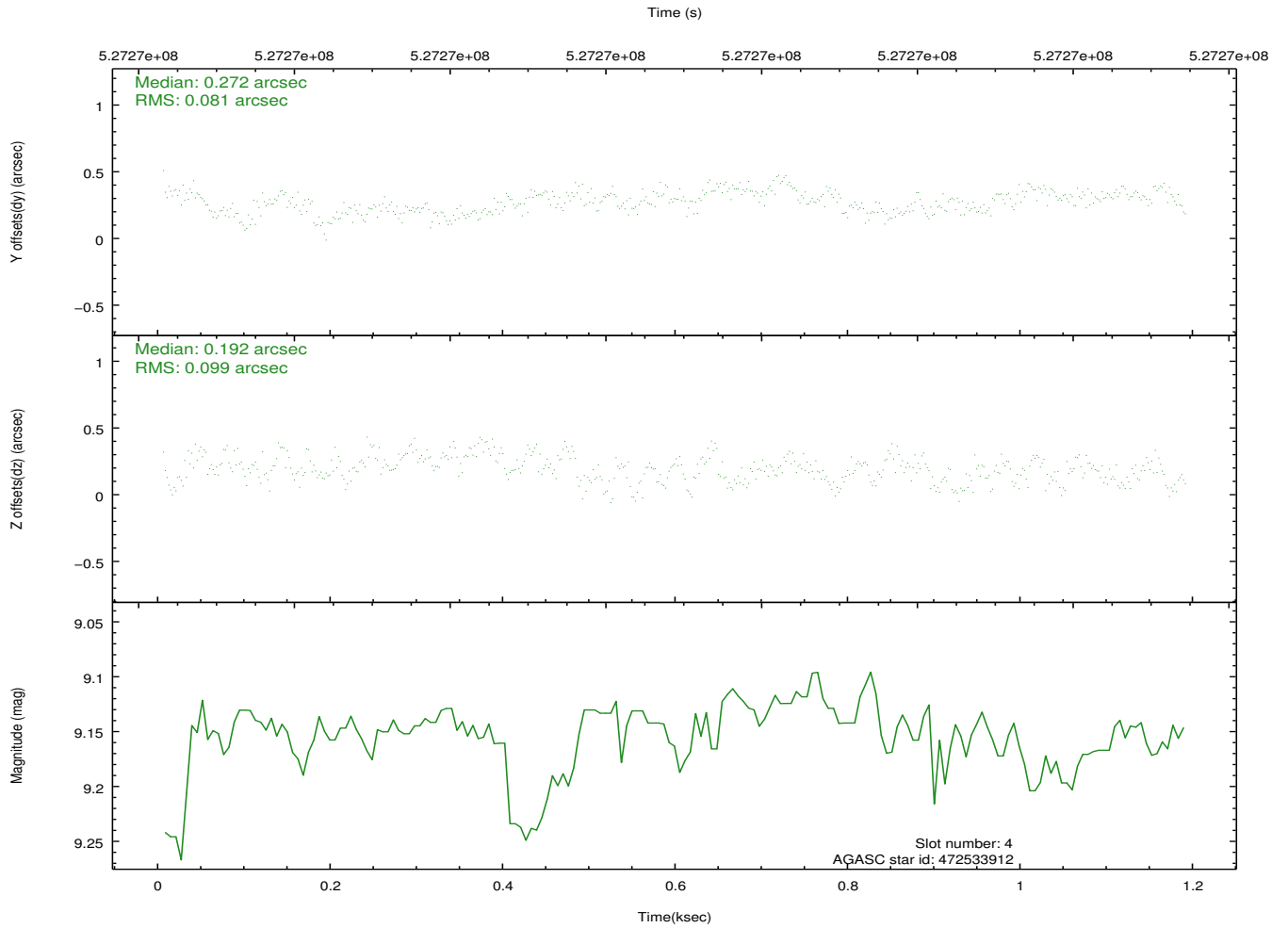
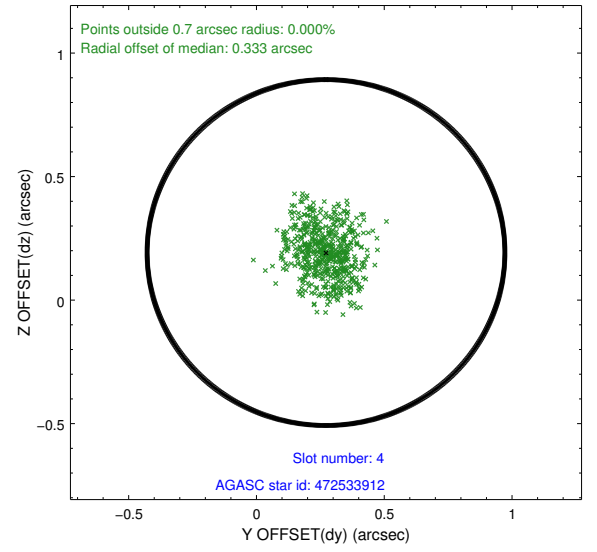
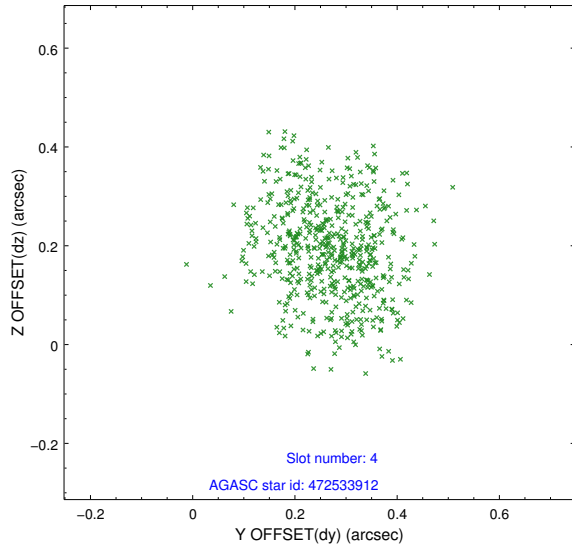
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	289	-0.048	-0.267	0.007	0.010	0.000000	0.000000	-1183.34	-468.90
1	FID	HRC-S-3	7.07	289	-0.032	-0.007	0.008	0.011	0.000000	0.000000	-1190.16	559.26
2	FID	HRC-S-4	7.00	290	0.467	-0.024	0.005	0.008	0.000000	0.000000	1211.28	565.40
3	GUIDE	472523760	8.23	579	-0.369	-0.305	0.080	0.154	331.645363	45.403260	1694.06	620.96
4	GUIDE	472533912	9.15	579	0.272	0.192	0.144	0.211	331.791136	46.368695	-280.73	-2258.47
5	GUIDE	472665256	8.99	579	0.259	0.205	0.112	0.176	332.808125	46.195041	-2223.02	-521.63
6	GUIDE	472535576	7.86	578	-0.162	0.224	0.102	0.161	331.438373	46.291802	614.66	-2436.39
7	GUIDE	472655152	9.43	577	-0.006	-0.307	0.166	0.262	332.504239	45.862991	-992.35	180.87

2.4 Star Slots

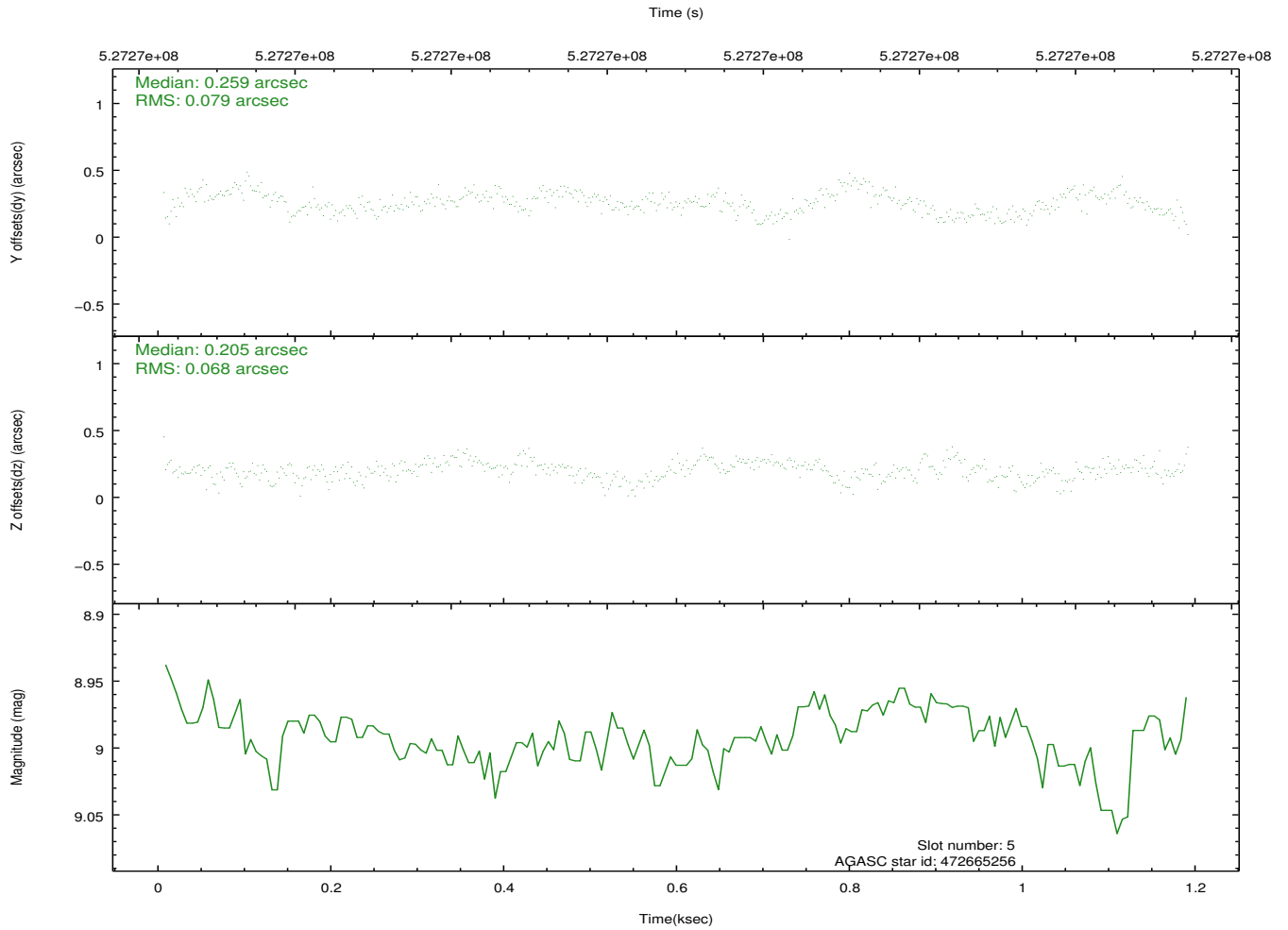
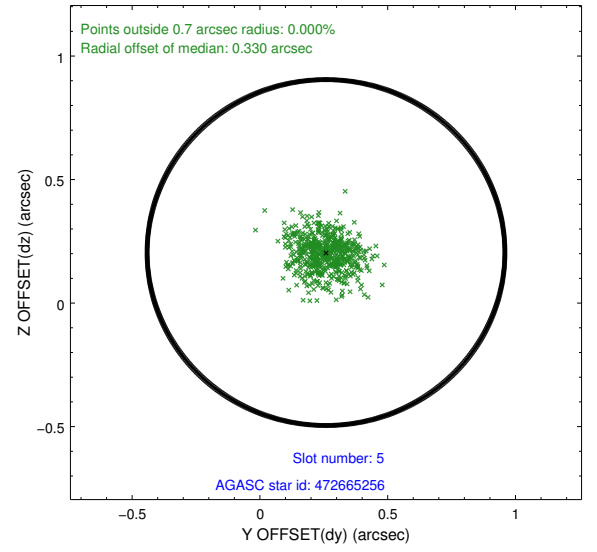
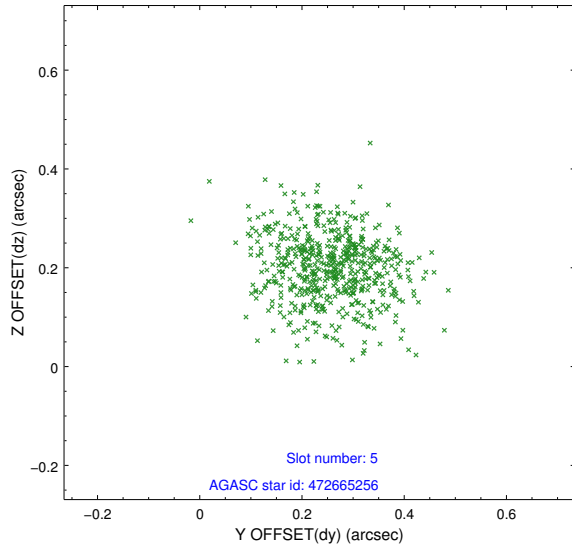
2.4.1 Slot 3



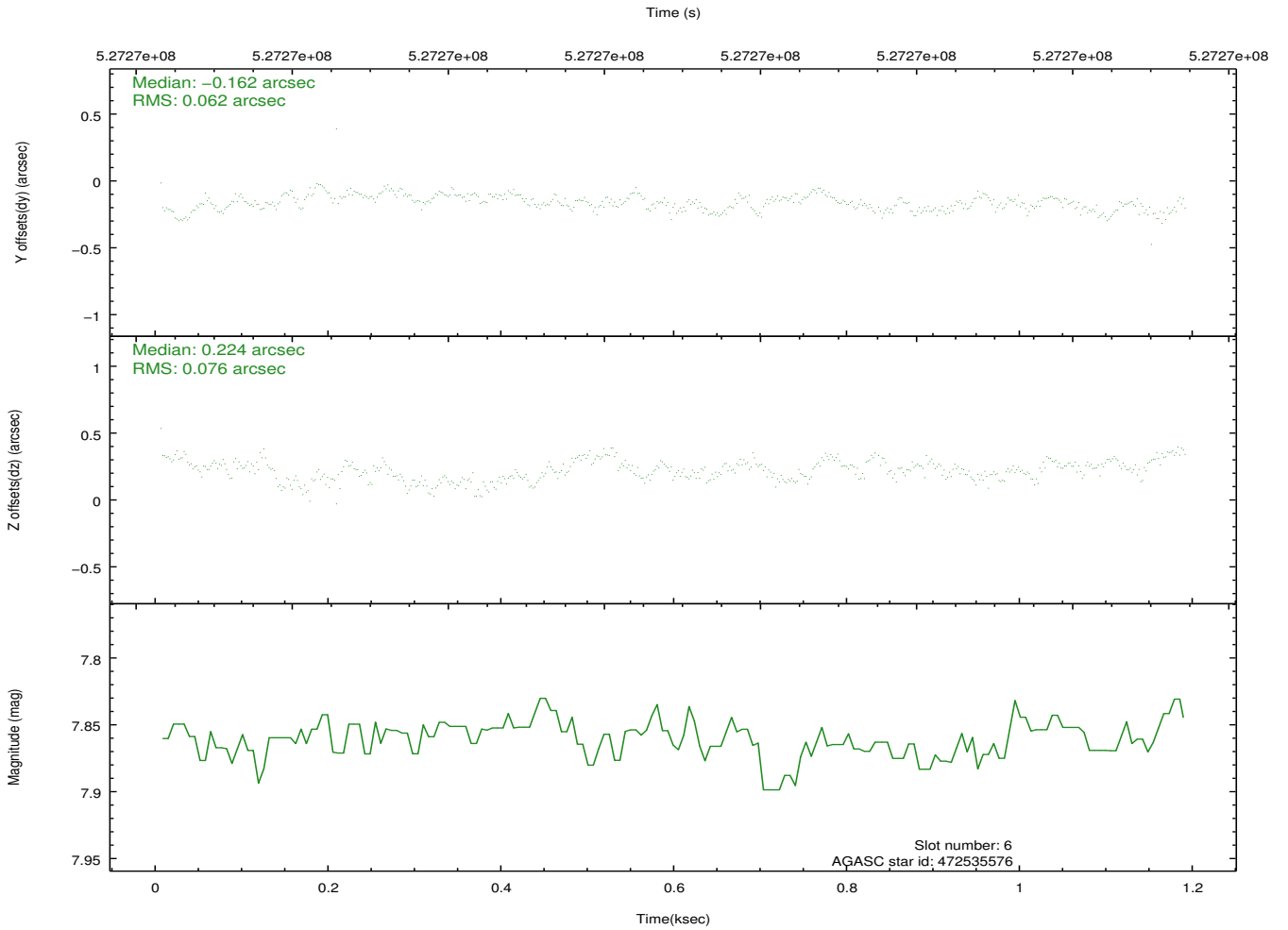
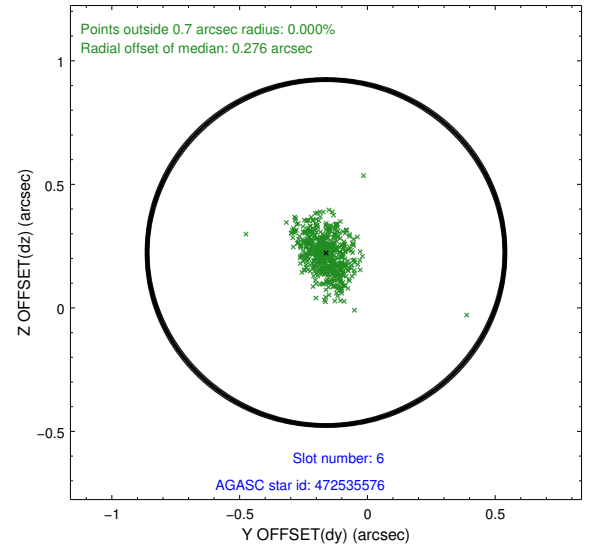
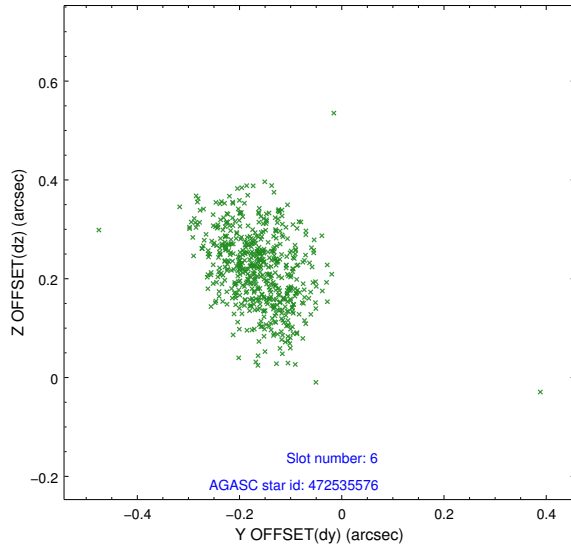
2.4.2 Slot 4



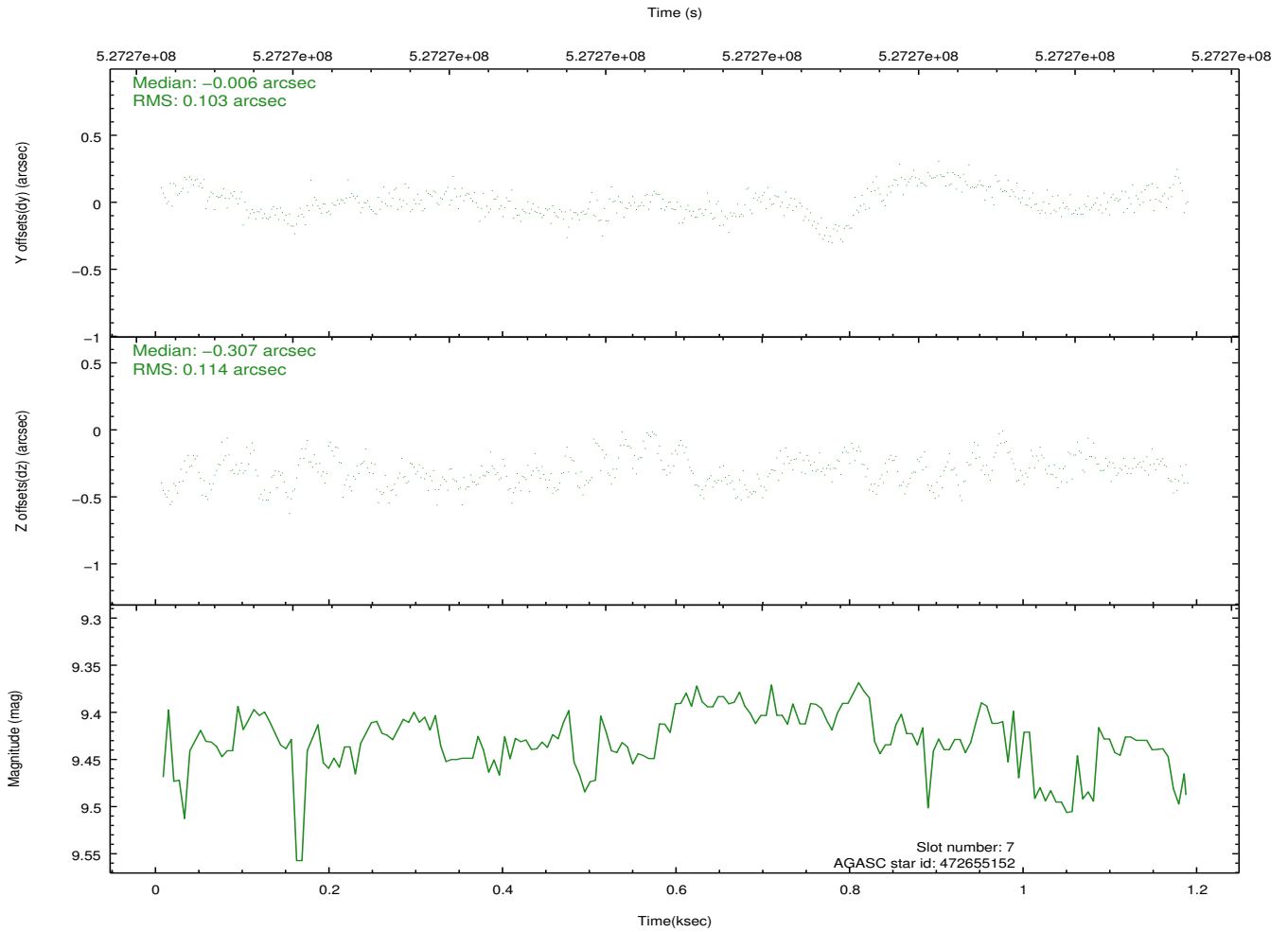
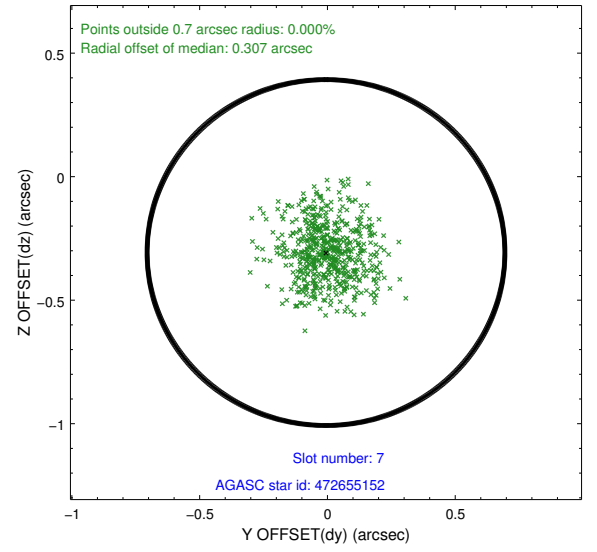
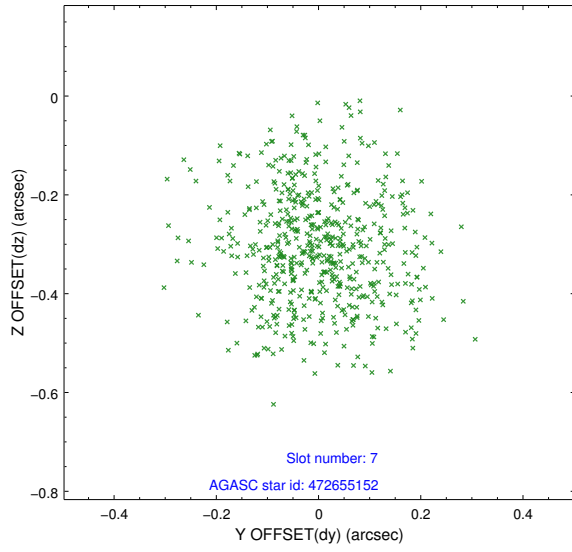
2.4.3 Slot 5



2.4.4 Slot 6

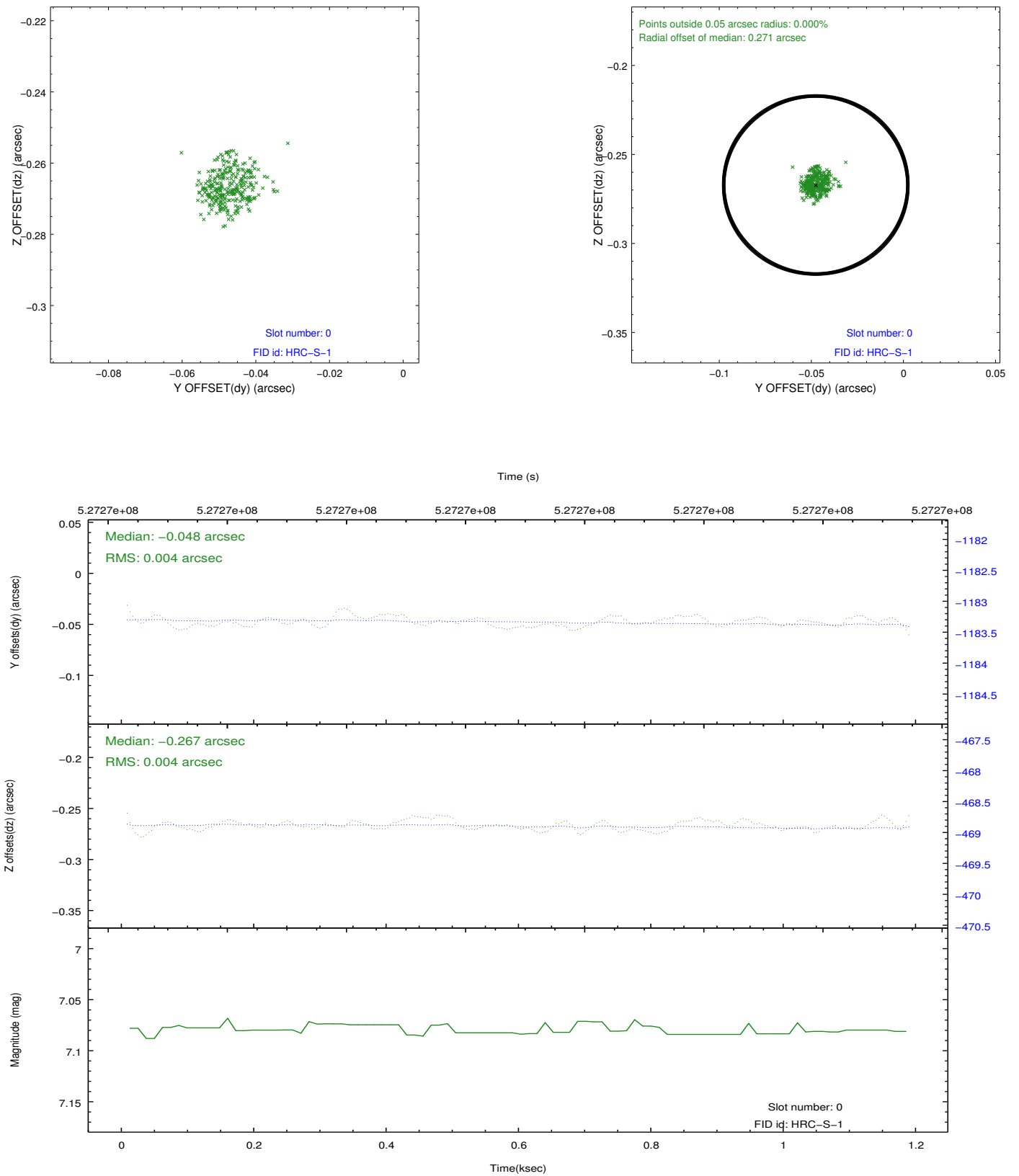


2.4.5 Slot 7

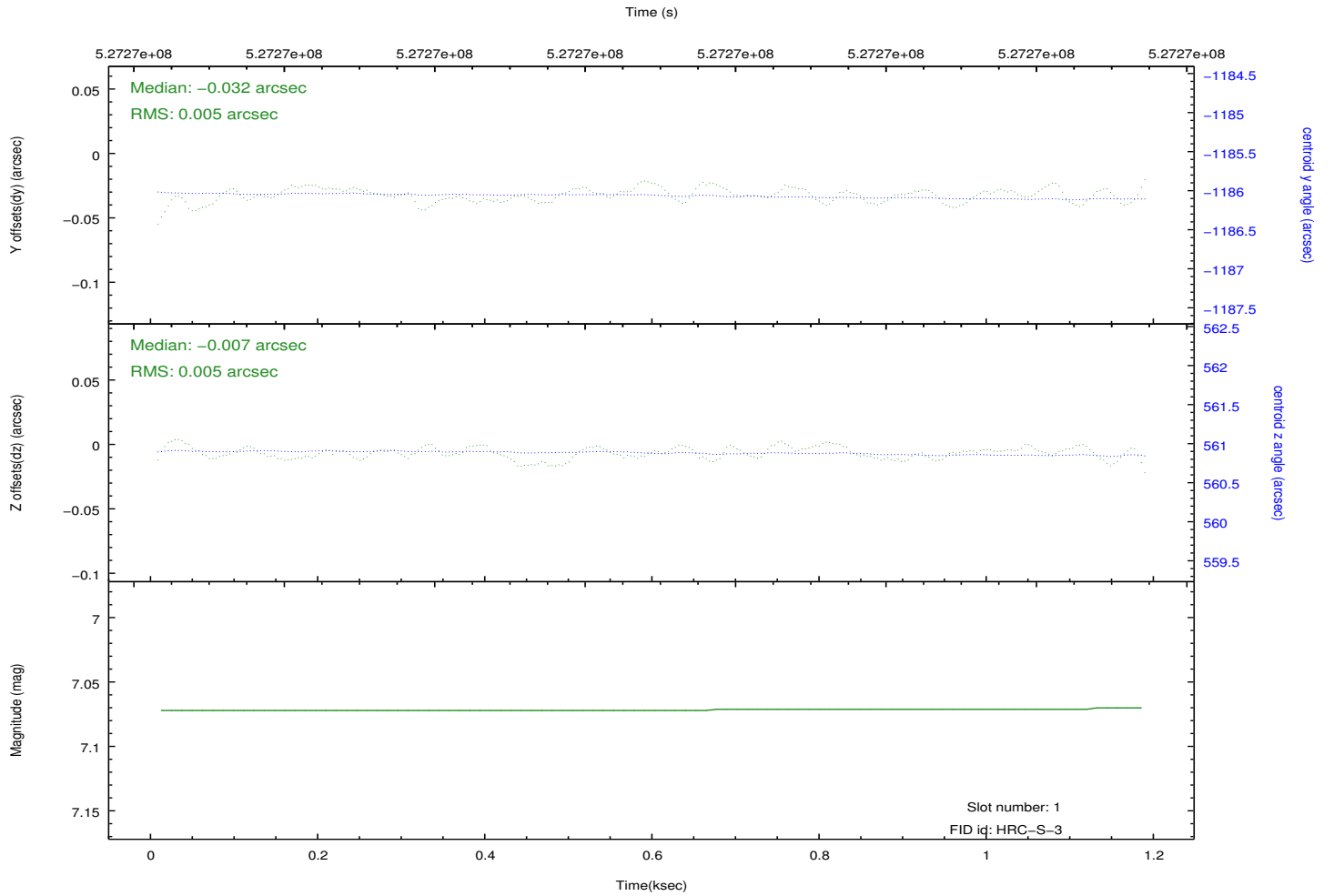
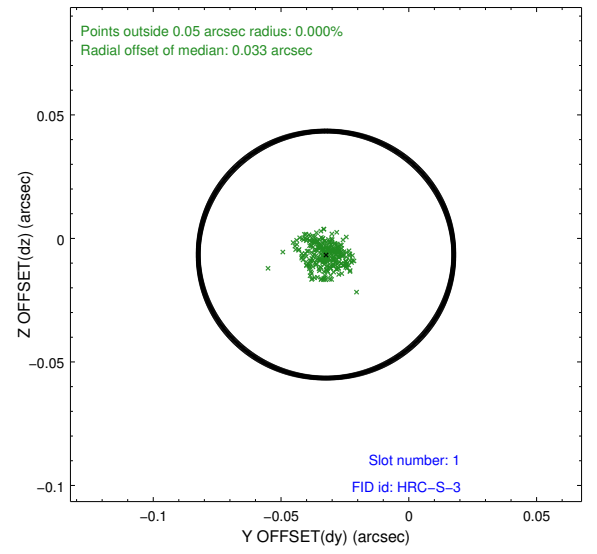
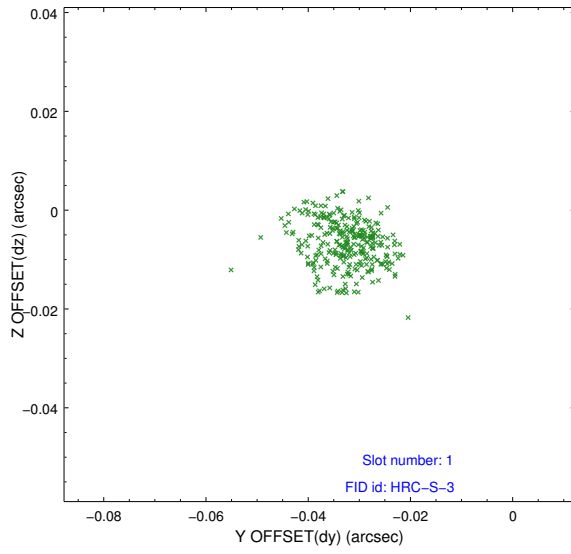


2.5 FID Slots

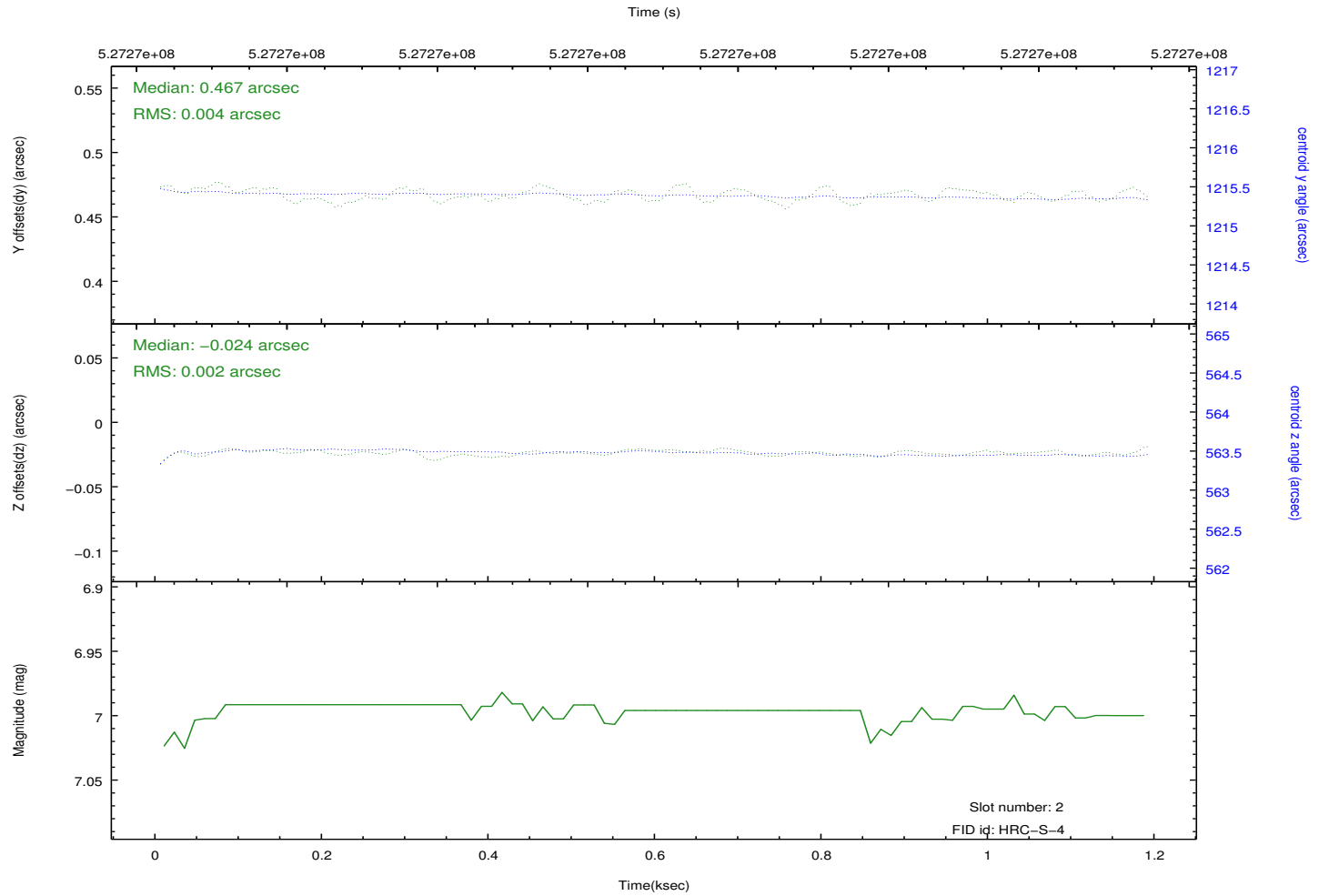
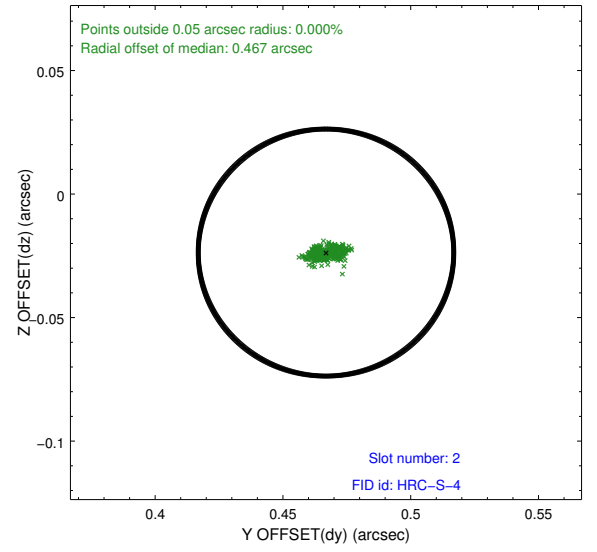
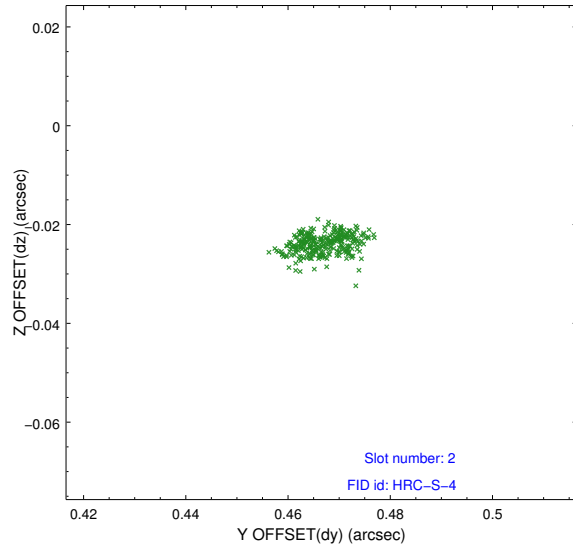
2.5.1 Slot 0



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	1.1554313141704

A.2 Comments