

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16414 - L2 Version 1
Chandra X-Ray Center

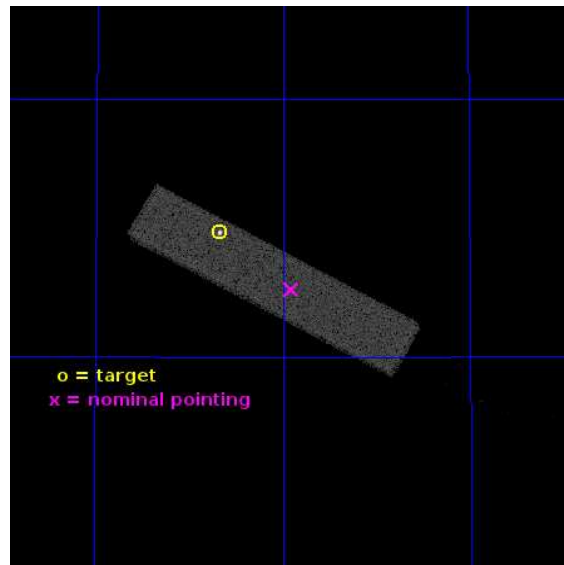
L2 Processing Date : Sep 17 2014

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1 Front

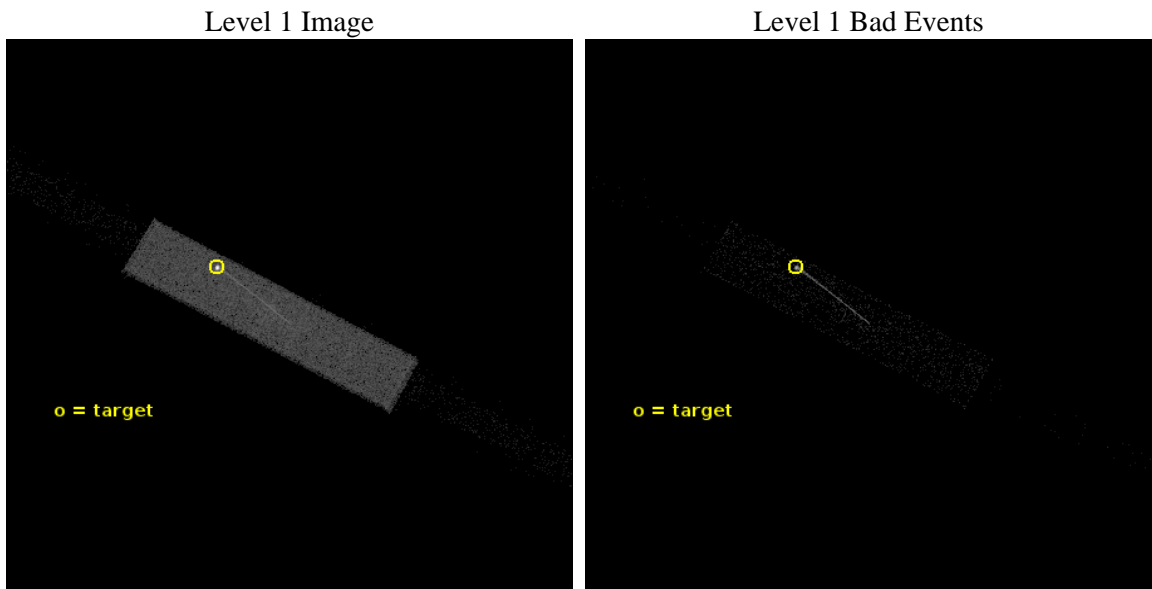
seq_num	291186	Sequence number
obs_id	16414	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.97685119446	Nominal RA [deg]
dec_nom	45.632154707575	Nominal Dec [deg]
roll_nom	208.67901126729	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313141704	[s]
livetime	1148.4999931488	Ontime multiplied by DTCOR
l2events	54279	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	83897	Number of level 1 events
date	2014-09-17T03:53:24	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

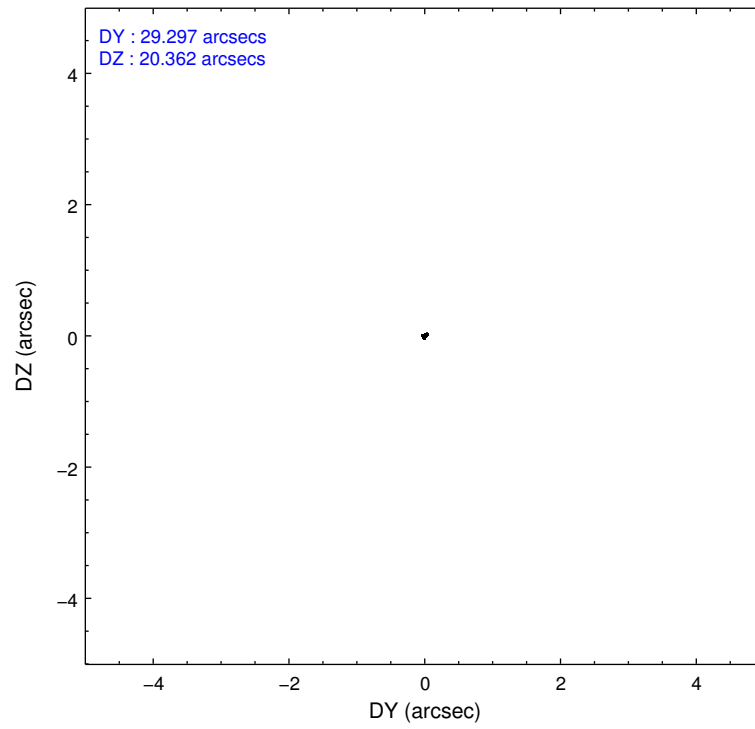
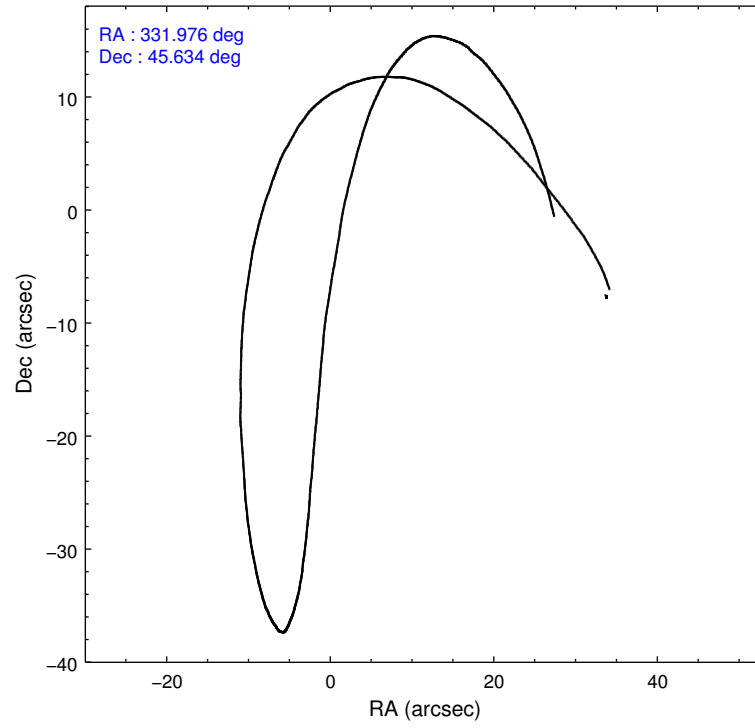
	segment 1	segment 2	segment 3
level 1 events	665	82574	658
rejected events	665	18851	645
rejected %	100%	22%	98%

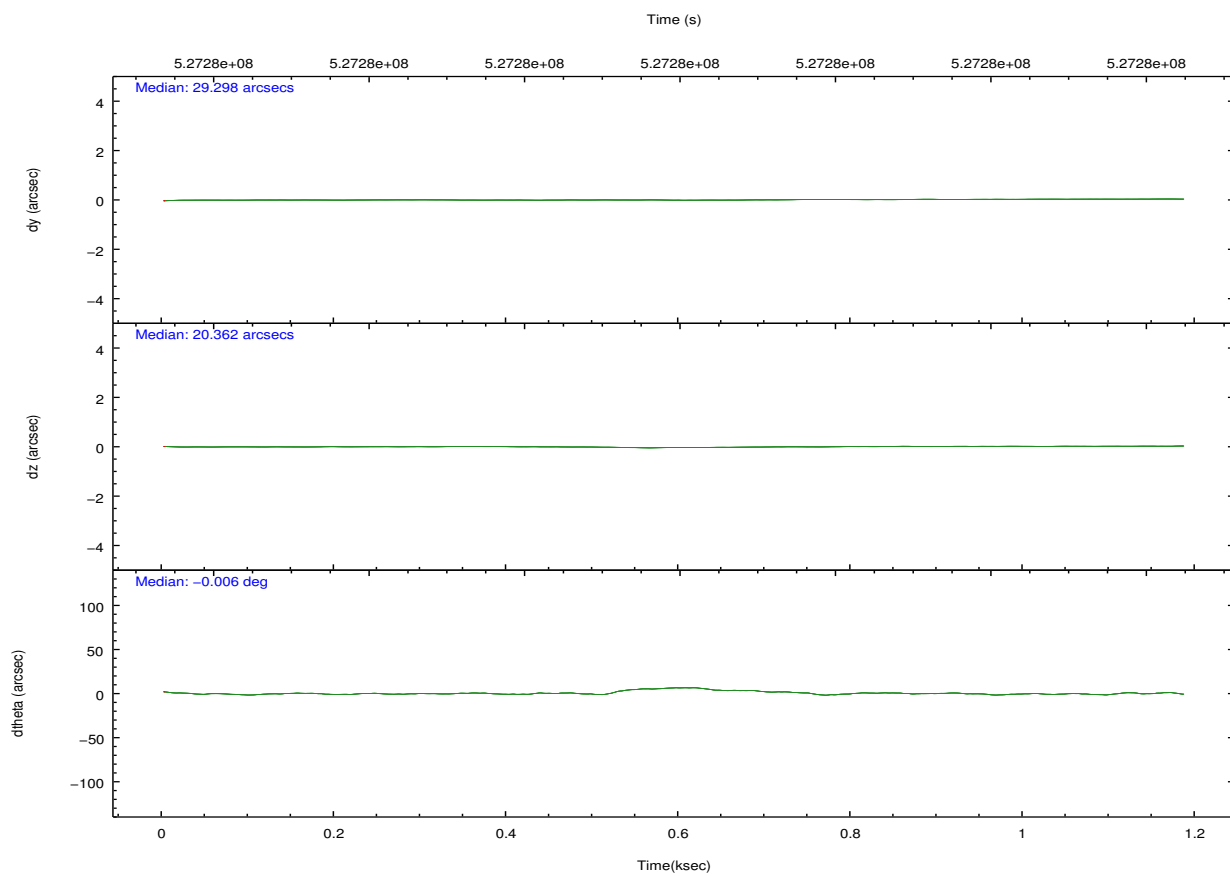
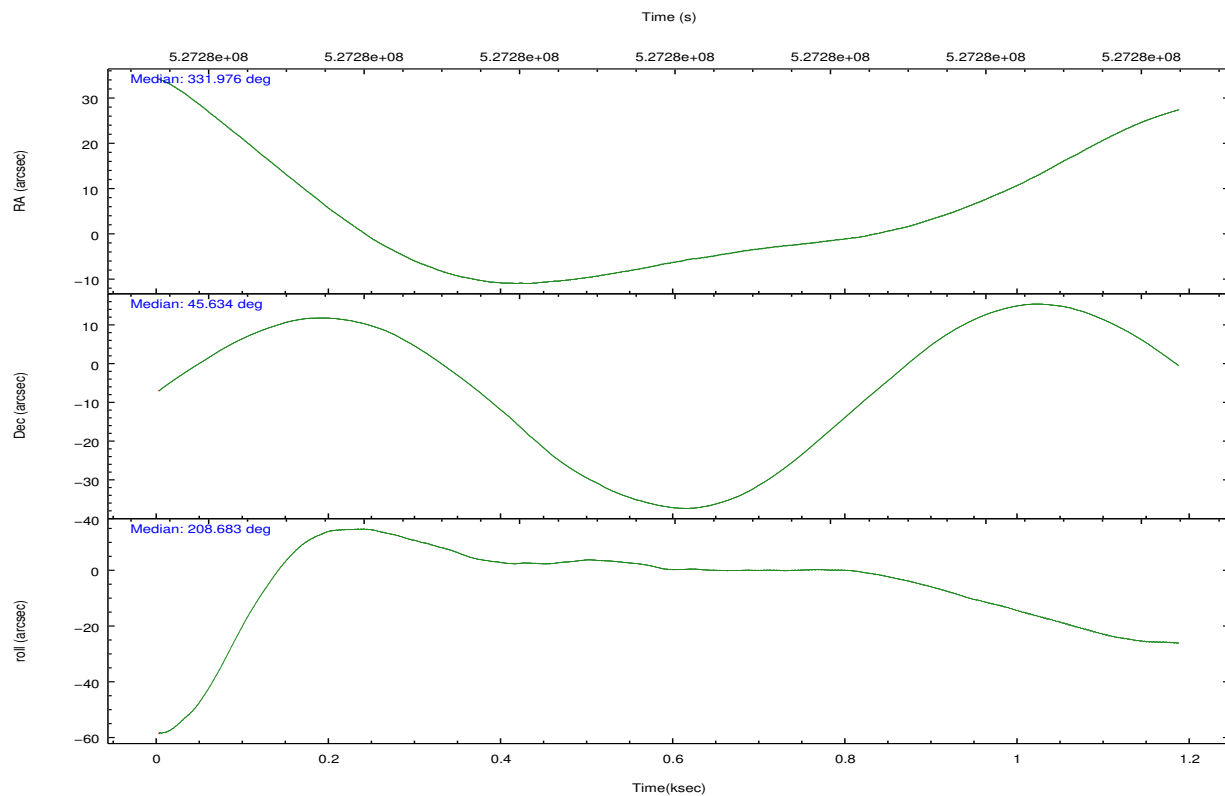
2.2 Compared Parameters

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	331.996760	331.976851194465
[deg] Pointing Dec	45.656407	45.63215470757532
[deg] Pointing Roll	208.597567	208.6790112672857
[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)	527282588.184000	527282211.86644
Observation start date	2014-09-16T19:22:01	2014-09-16T19:16:51
[s] Observation end time (MET)	527283588.184000	527283721.69153
Observation end date	2014-09-16T19:38:41	2014-09-16T19:42:01

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

2.3 Aspect



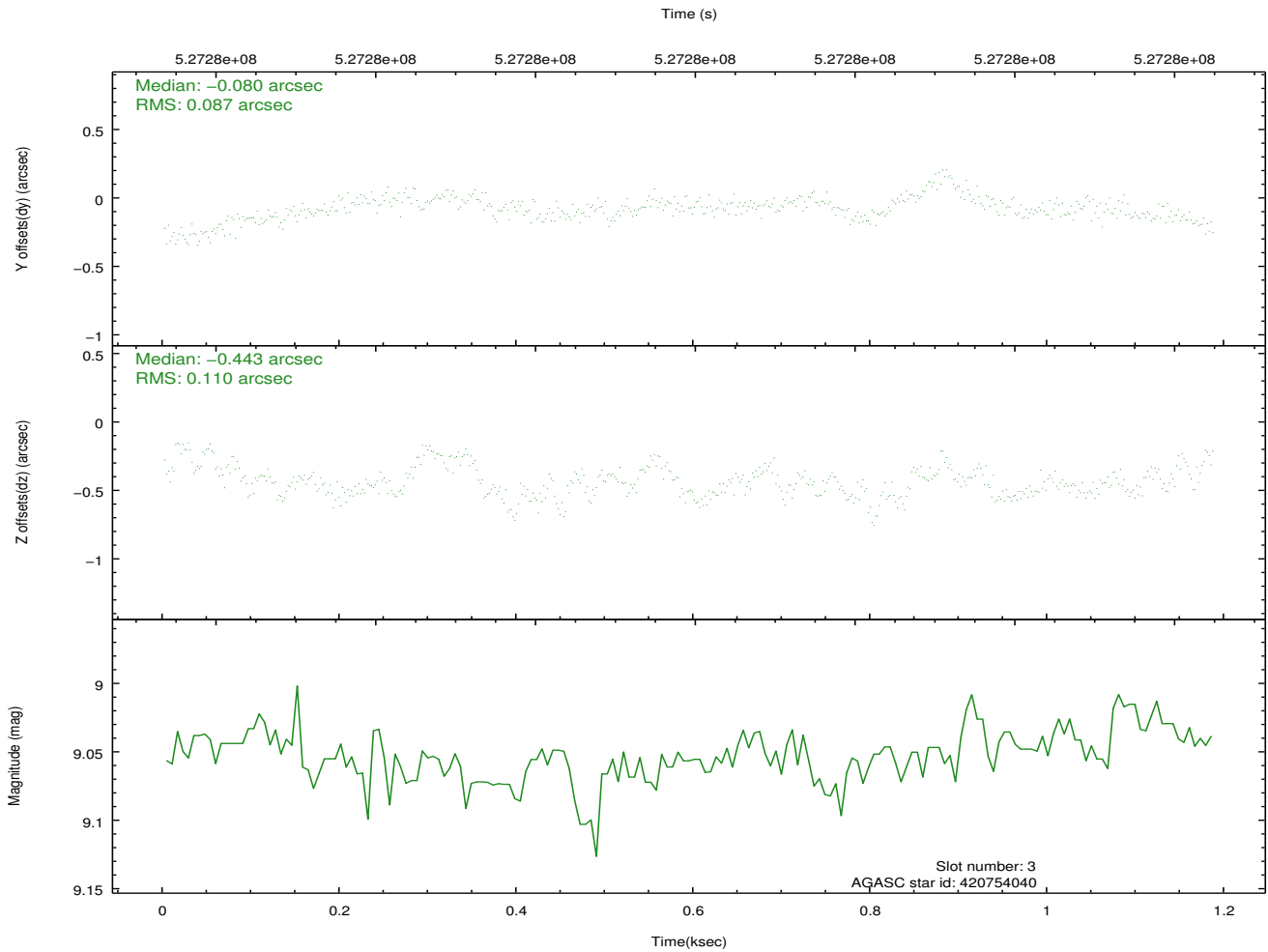
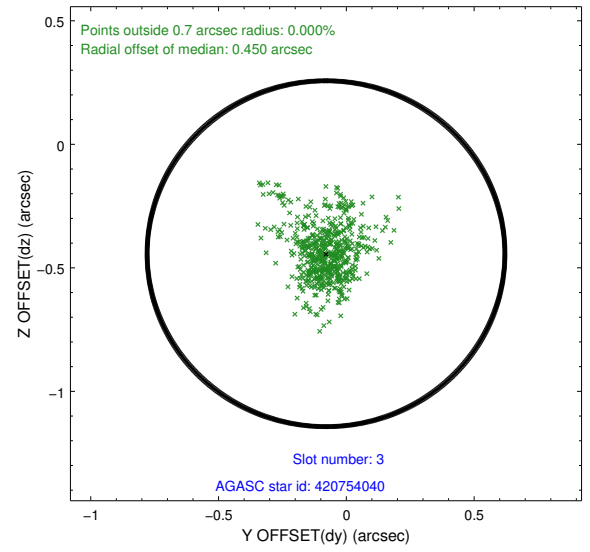
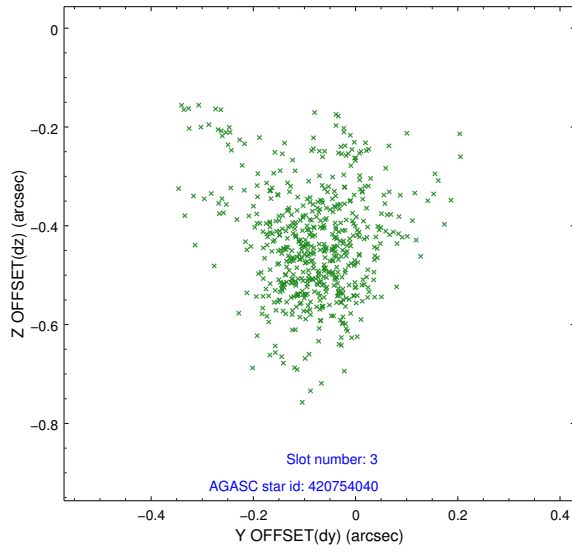


Slot Statistics

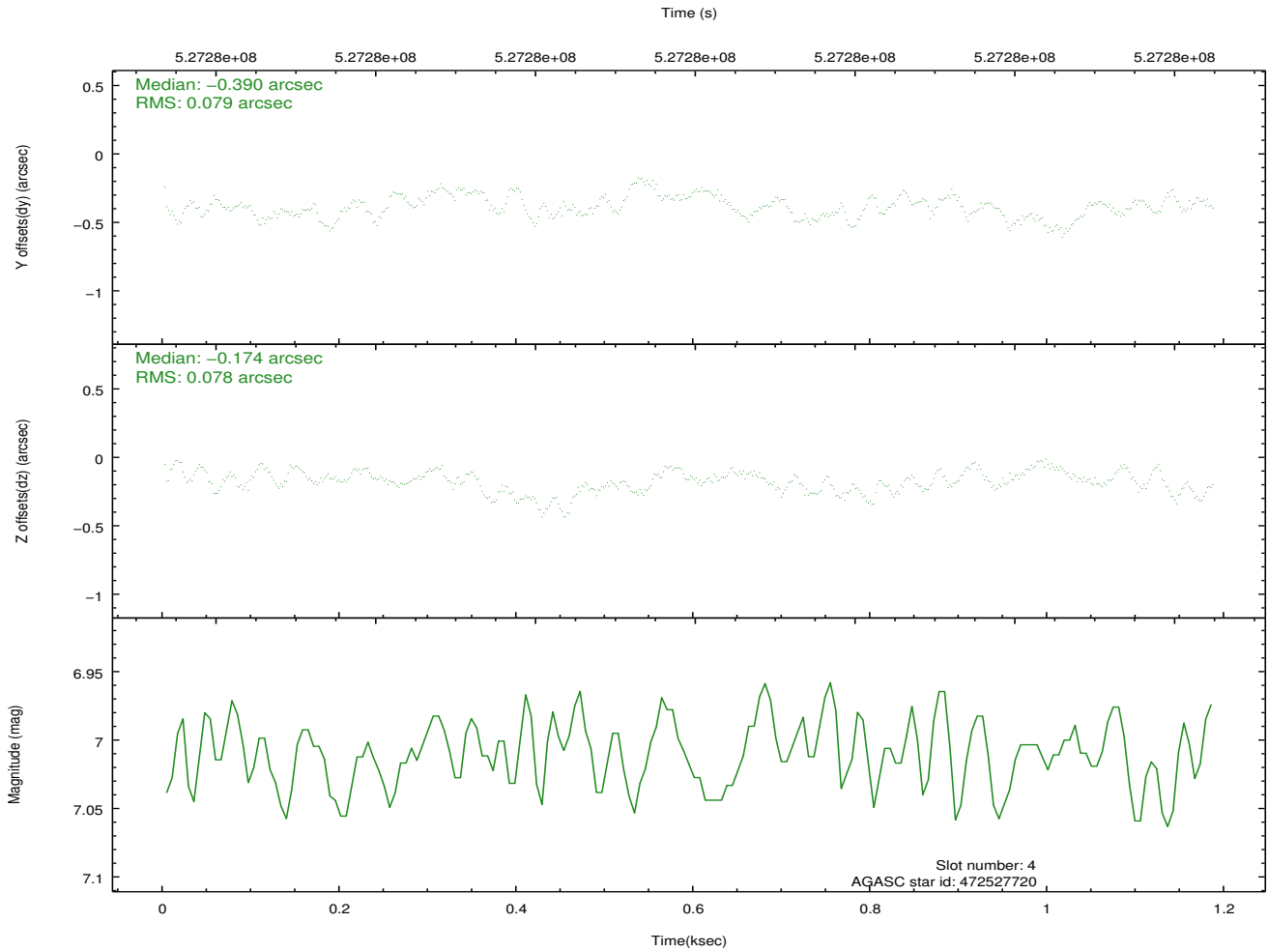
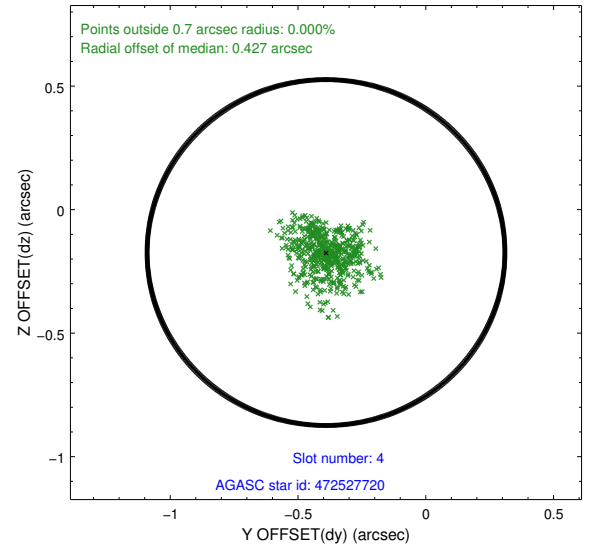
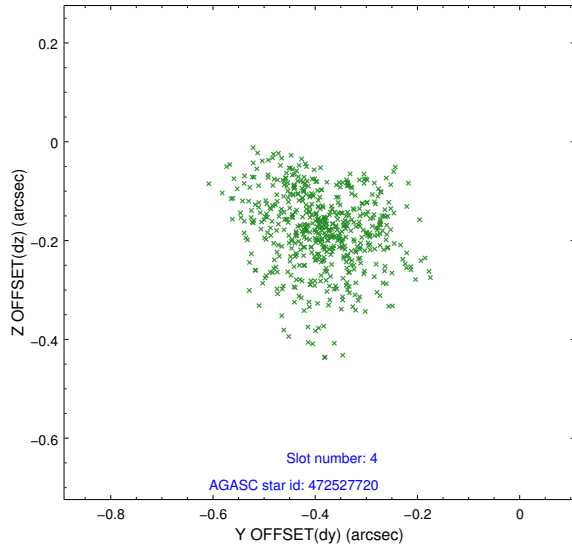
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	289	-0.176	-0.197	0.006	0.010	0.000000	0.000000	-1184.31	-469.50
1	FID	HRC-S-2	7.04	290	0.225	-0.105	0.009	0.016	0.000000	0.000000	1211.66	-463.57
2	FID	HRC-S-4	7.01	290	0.355	-0.002	0.010	0.019	0.000000	0.000000	1218.59	561.27
3	GUIDE	420754040	9.05	579	-0.080	-0.443	0.136	0.269	331.917939	44.882543	1510.00	2353.48
4	GUIDE	472527720	7.01	579	-0.390	-0.174	0.120	0.195	331.460205	45.112509	2135.88	1070.42
5	GUIDE	472661712	9.98	573	0.492	0.671	0.340	0.540	331.914954	46.059715	-509.80	-1366.37
6	GUIDE	472523760	8.21	579	0.015	-0.090	0.111	0.174	331.645363	45.403260	1216.12	374.71
7	GUIDE	472654568	9.41	576	-0.067	0.045	0.267	0.419	332.194449	45.063576	583.73	2118.50

2.4 Star Slots

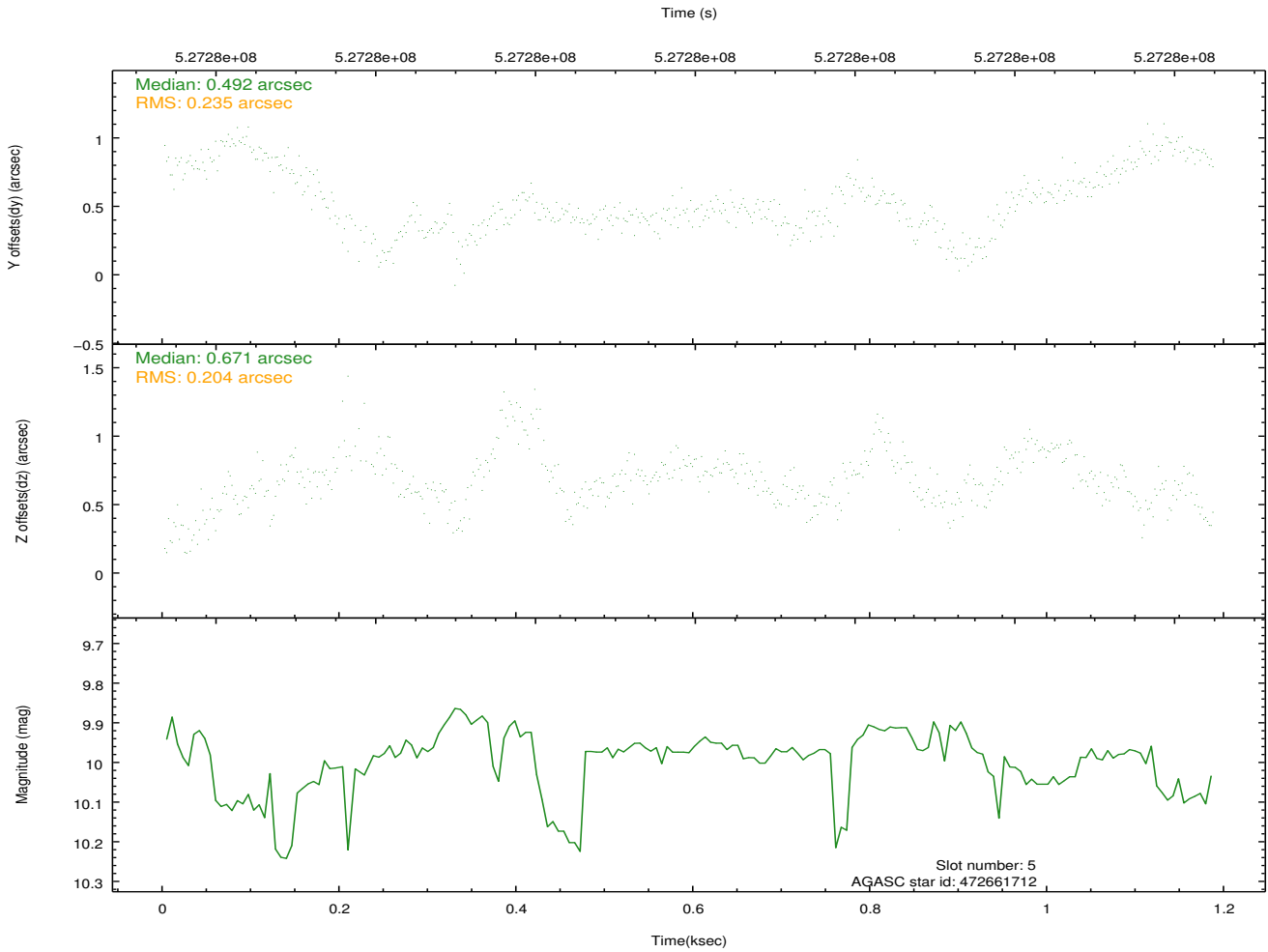
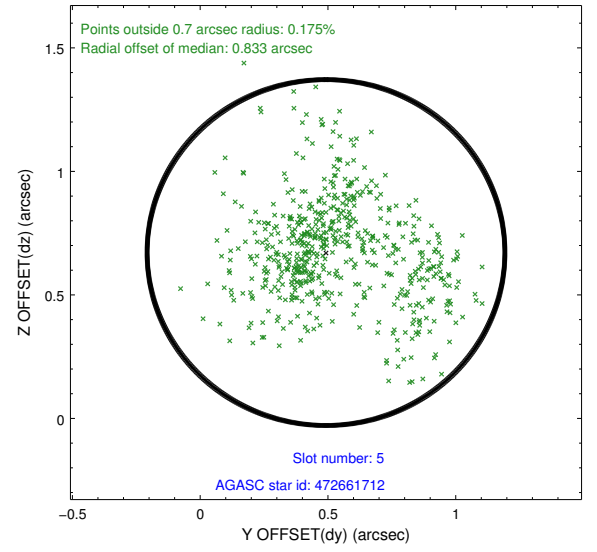
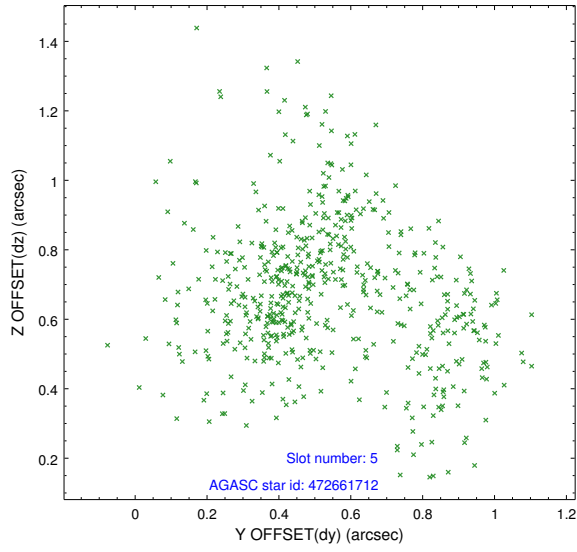
2.4.1 Slot 3



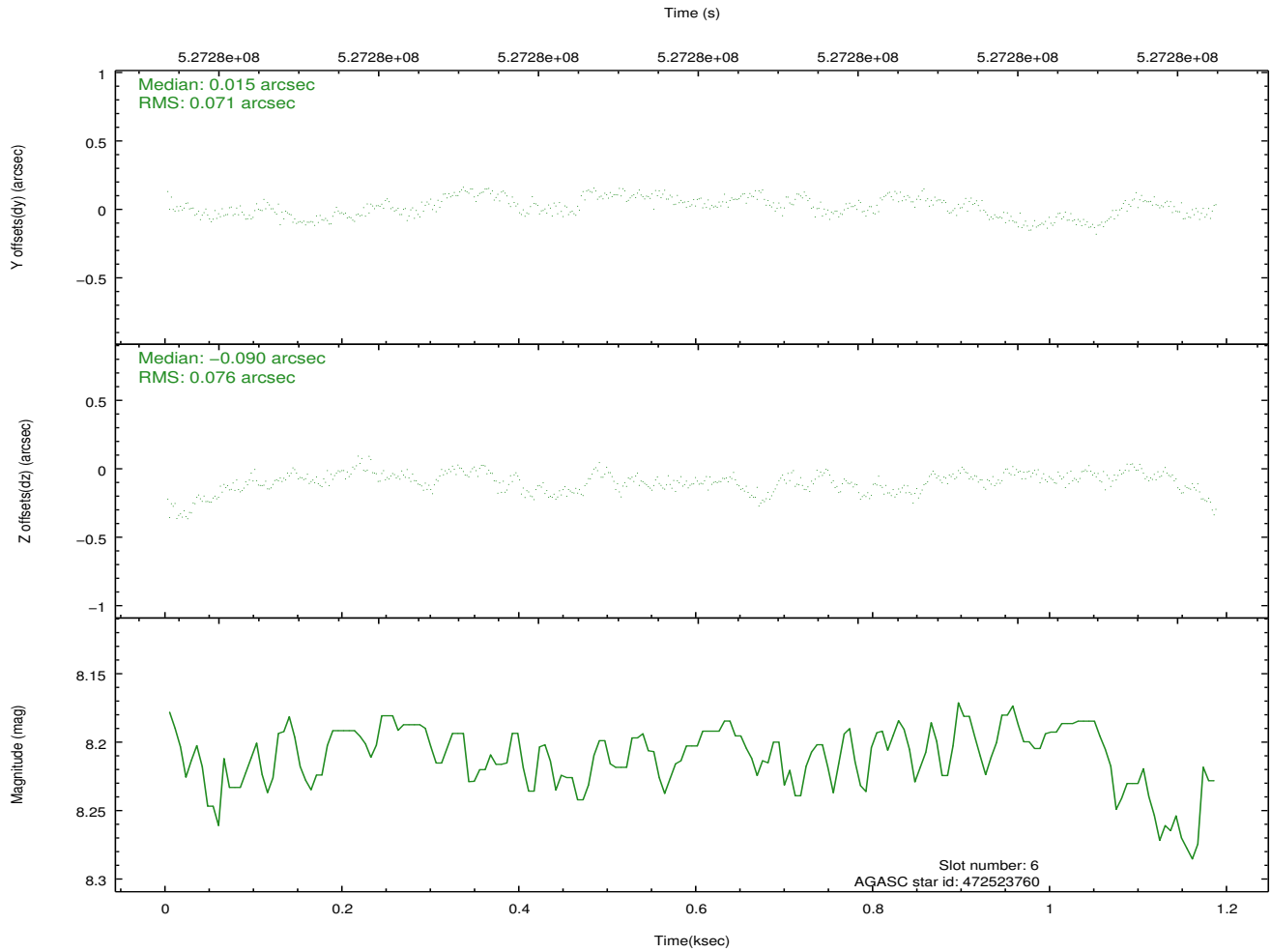
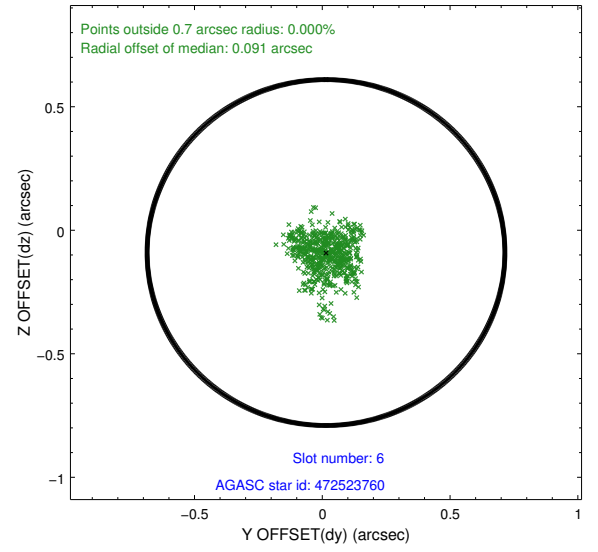
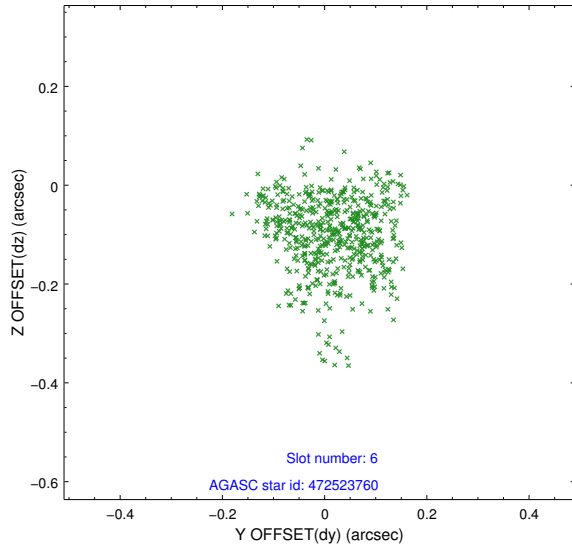
2.4.2 Slot 4



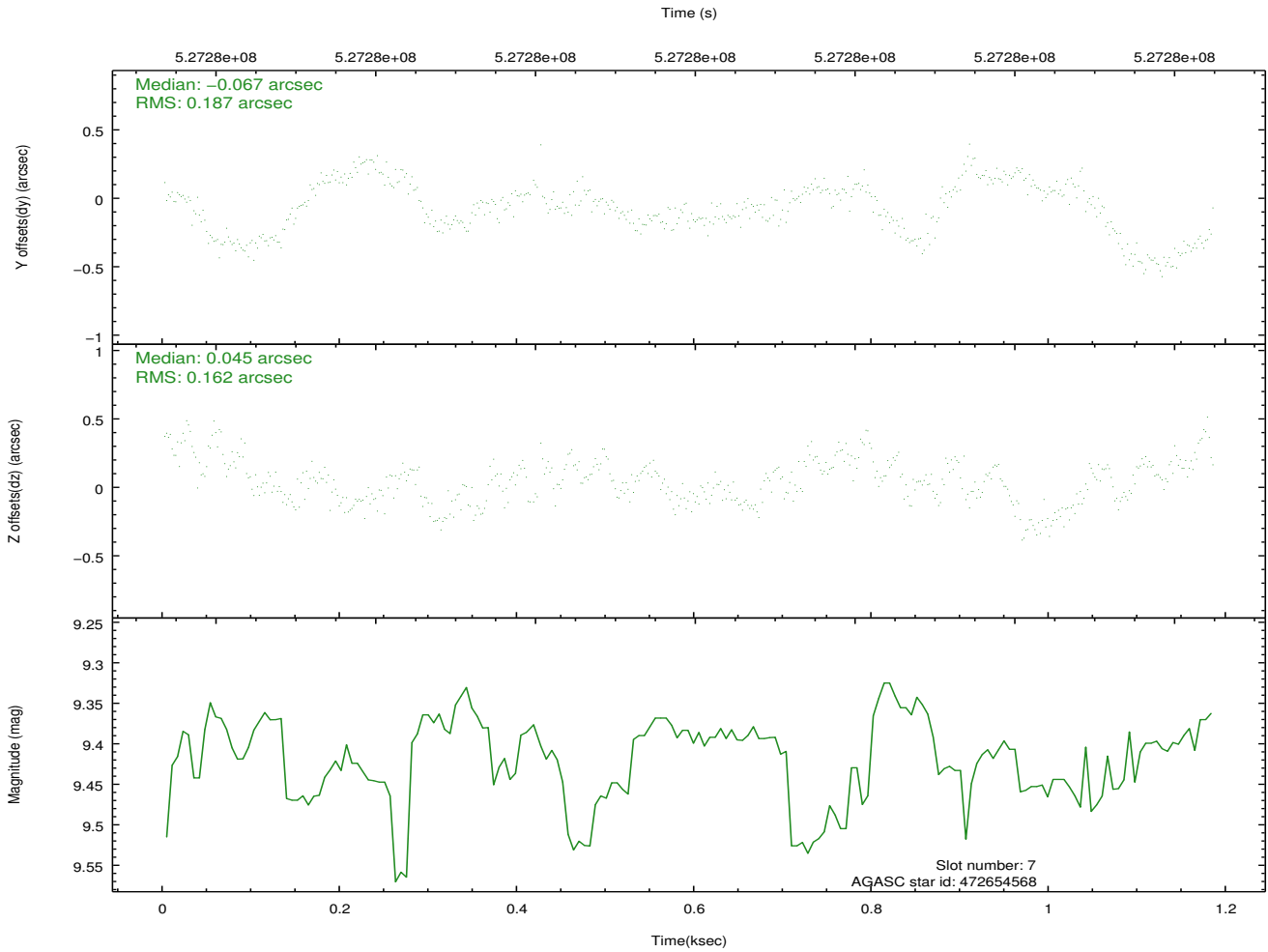
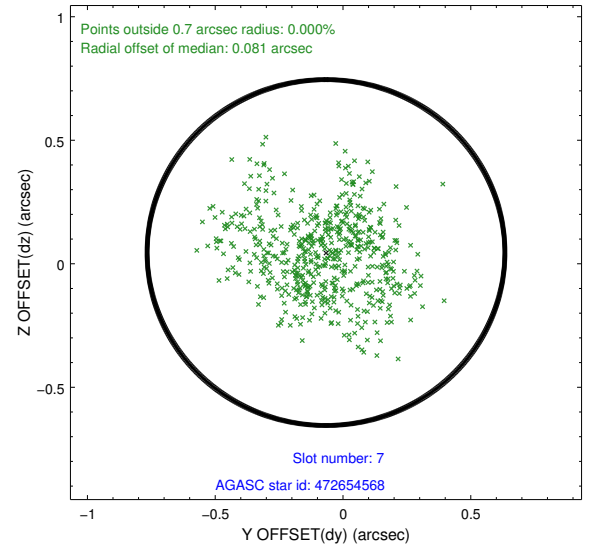
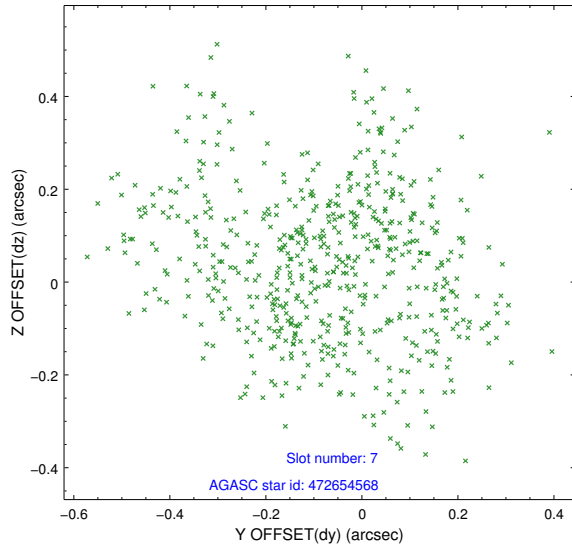
2.4.3 Slot 5



2.4.4 Slot 6

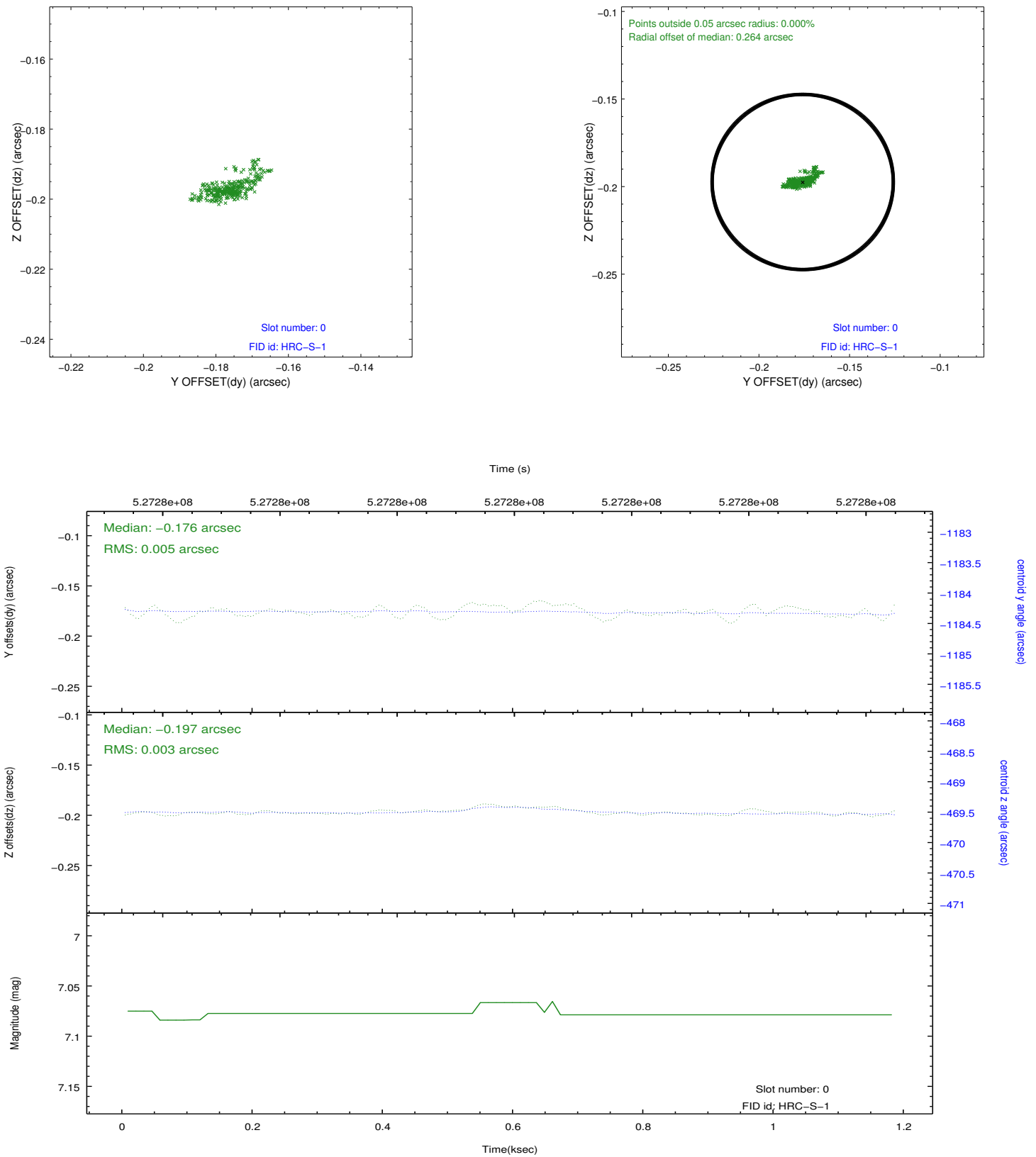


2.4.5 Slot 7

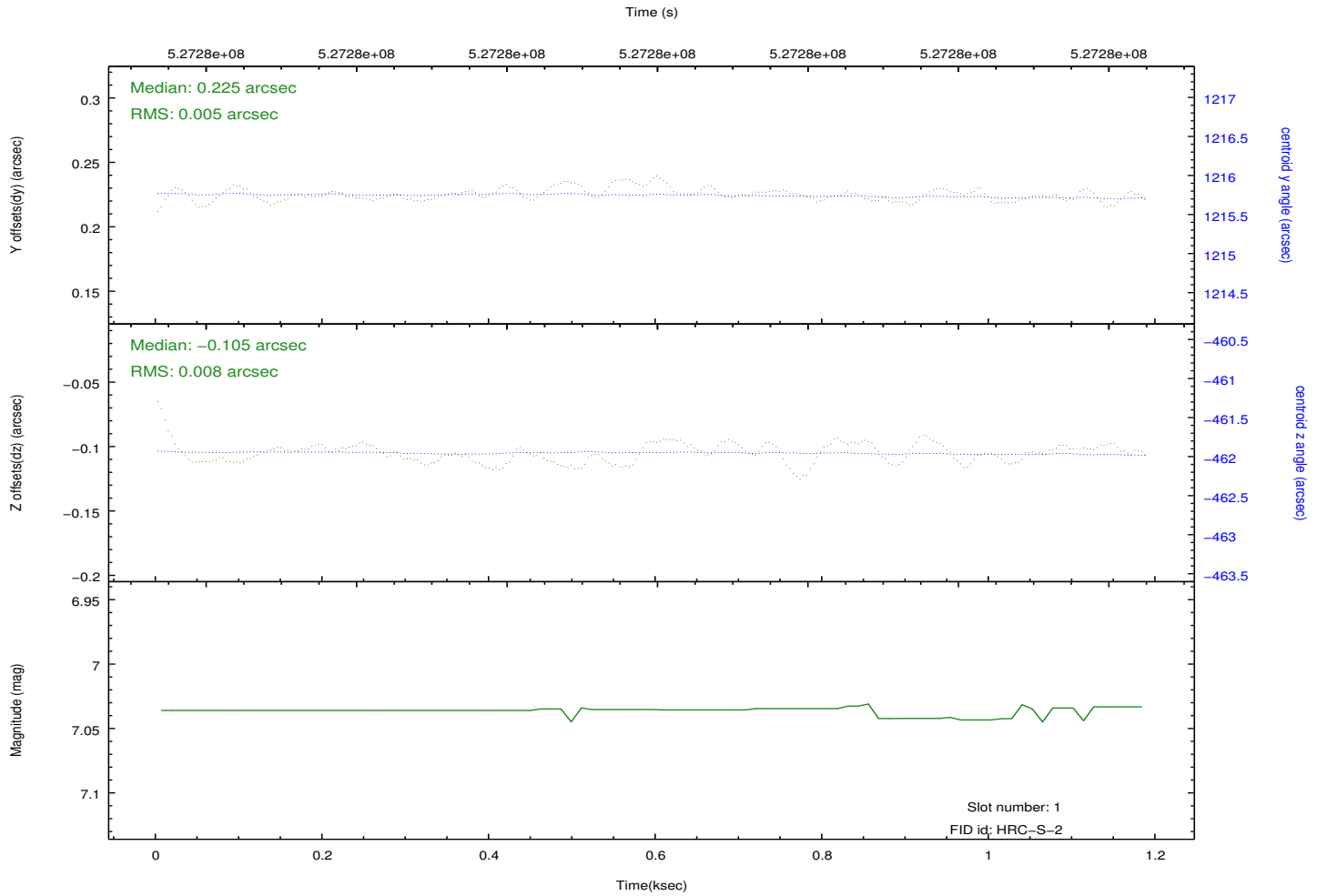
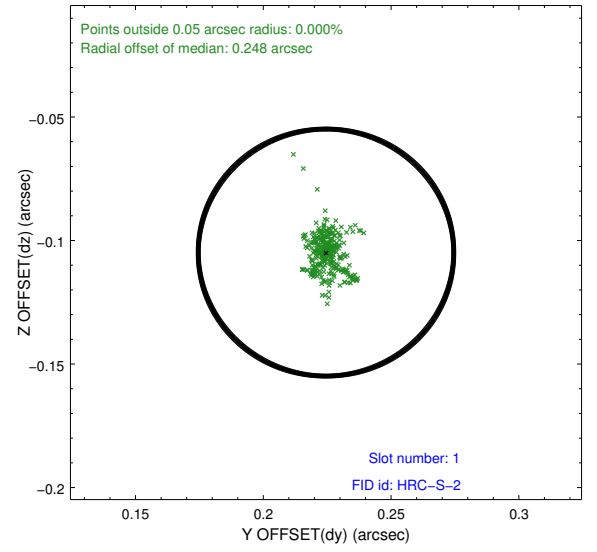
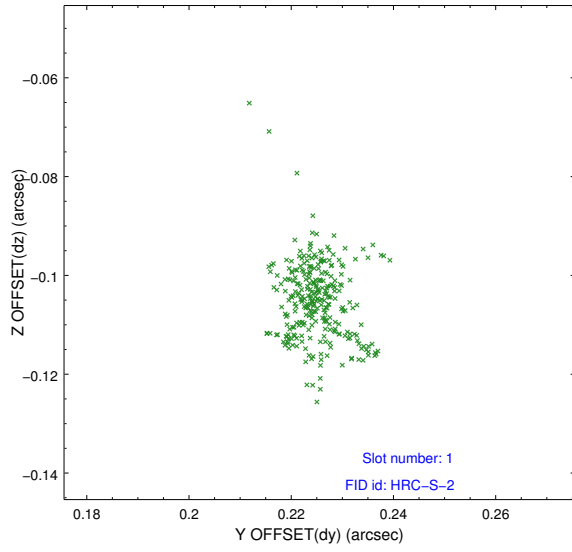


2.5 FID Slots

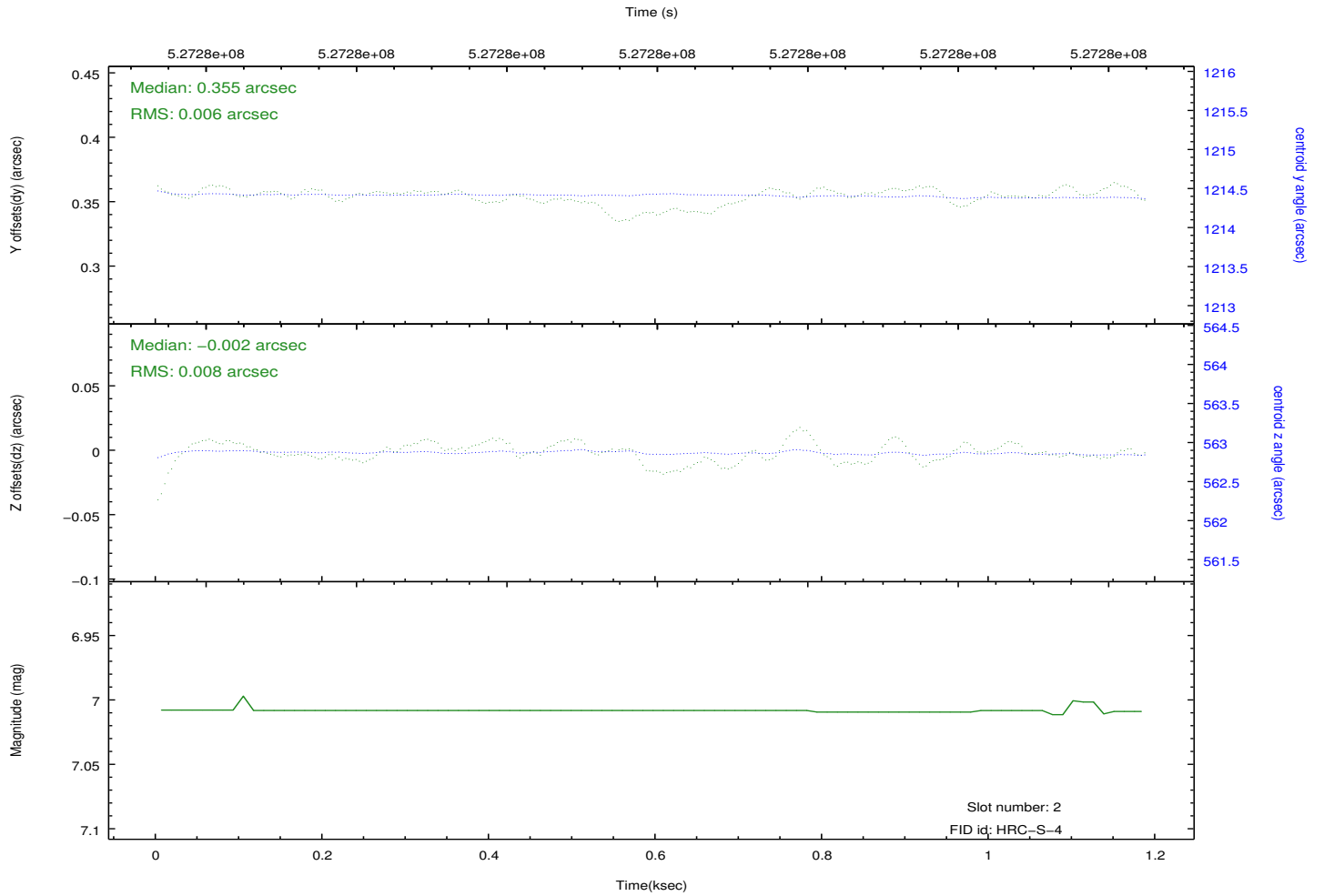
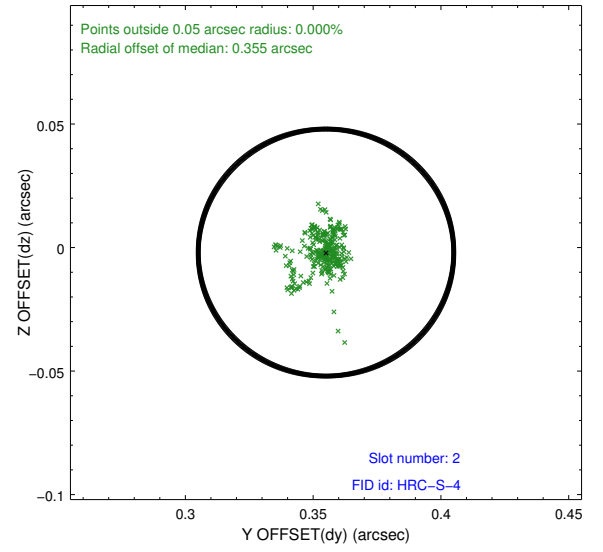
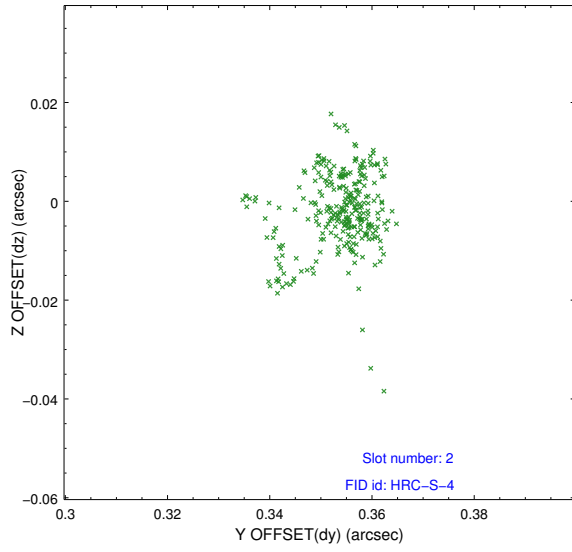
2.5.1 Slot 0



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