

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18391 - L2 Version 1
Chandra X-Ray Center

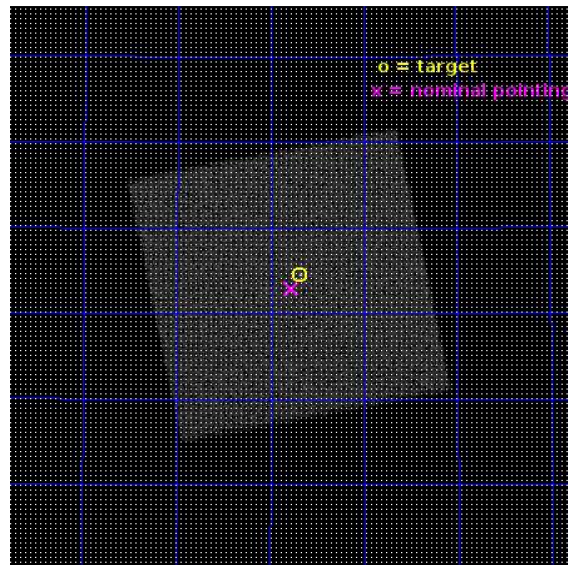
L2 Processing Date : Sep 20 2016

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1 Front

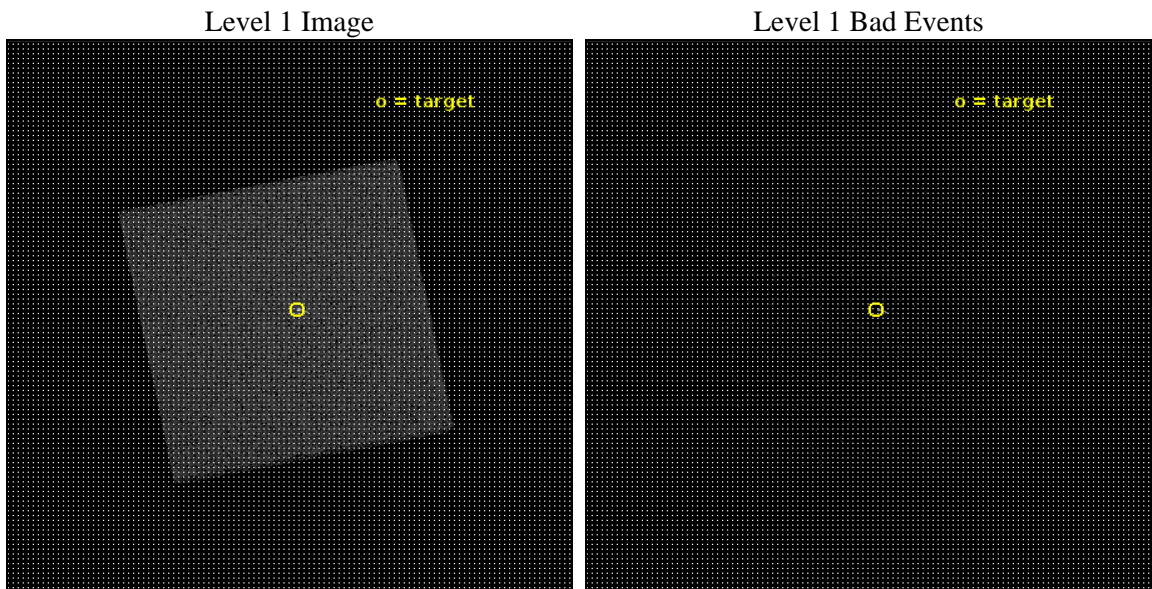
seq_num	291286	Sequence number
obs_id	18391	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19342516694	Nominal RA [deg]
dec_nom	45.715125789552	Nominal Dec [deg]
roll_nom	213.71226148168	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.931317687	[s]
livetime	1162.3681609433	Ontime multiplied by DTCOR
l2events	114722	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	10.5.1.1	Processing system revision	ontime	1175.931317687	[s]
caldbver	4.7.2	 	l1events	193727	Number of level 1 events
date	2016-09-21T02:05:12	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

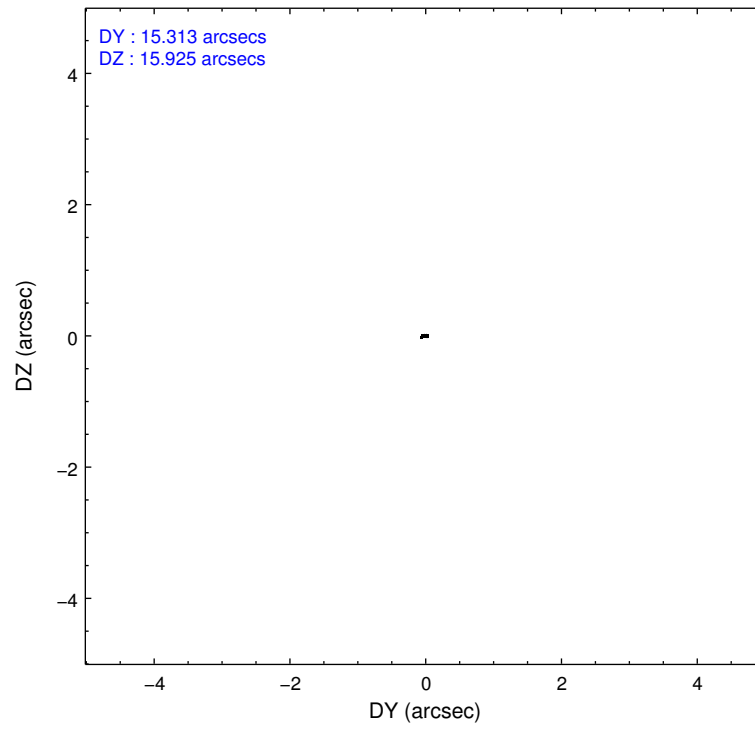
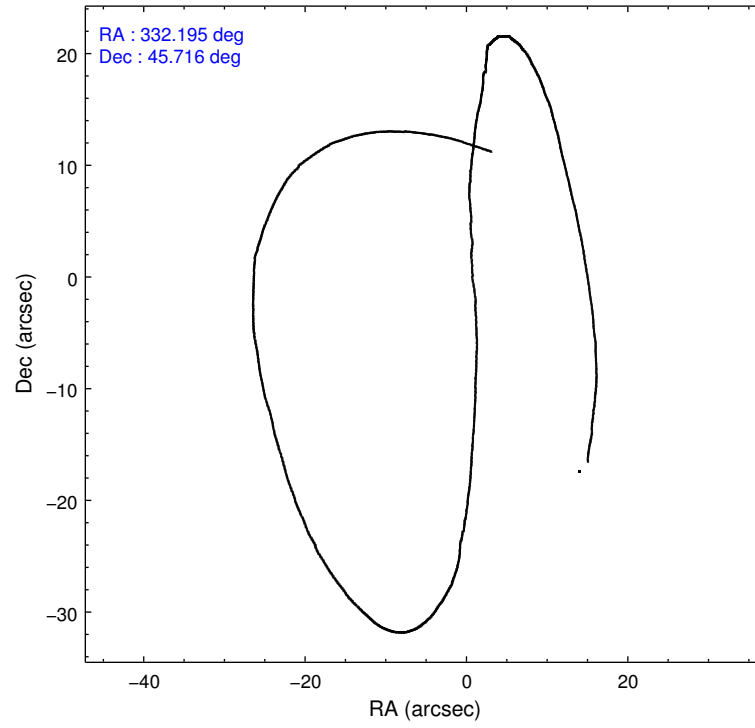
	segment 0
level 1 events	193727
rejected events	42721
rejected %	22%

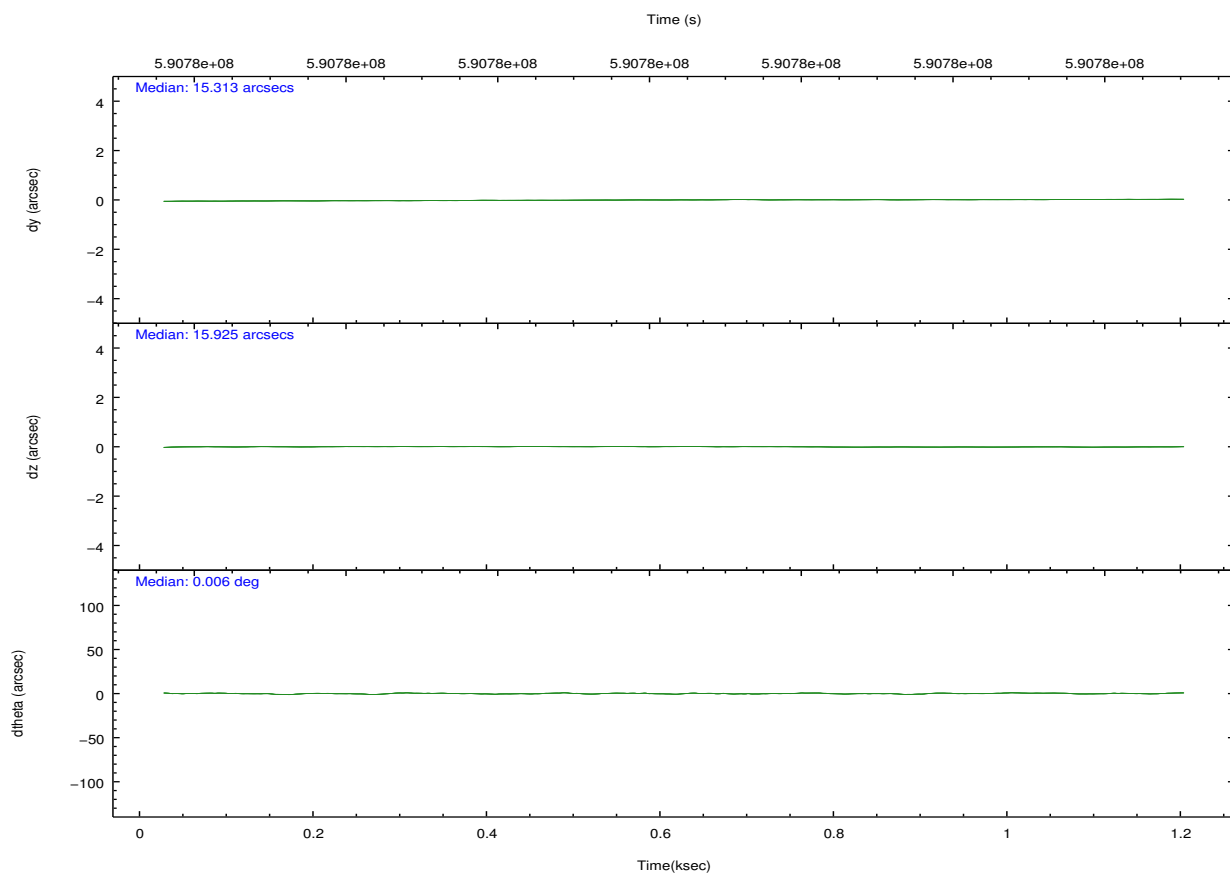
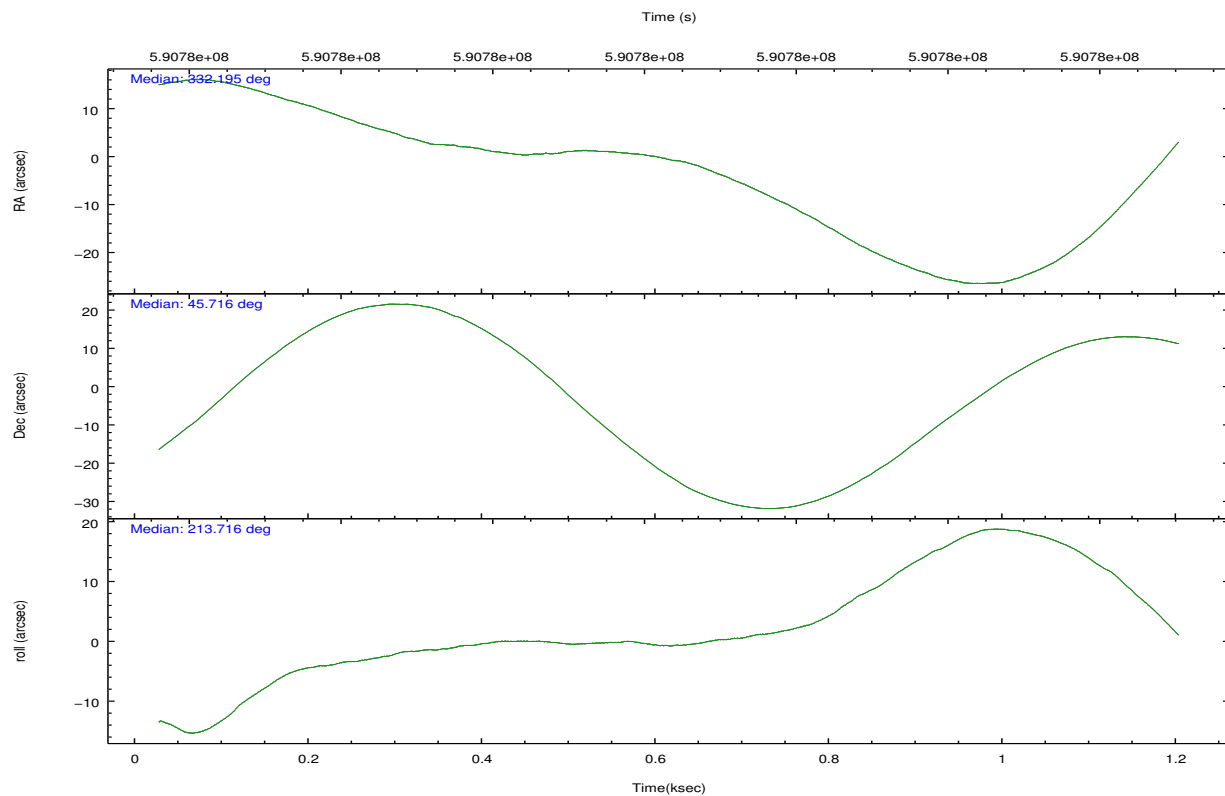
2.2 Compared Parameters

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	332.210393	332.1934251669445
[deg] Pointing Dec	45.739130	45.71512578955154
[deg] Pointing Roll	213.795634	213.7122614816849
[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)	590782027.184000	590781651.39104
Observation start date	2016-09-20T18:05:59	2016-09-20T18:00:51
[s] Observation end time (MET)	590783027.184000	590783161.7286201
Observation end date	2016-09-20T18:22:39	2016-09-20T18:26:01

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

2.3 Aspect



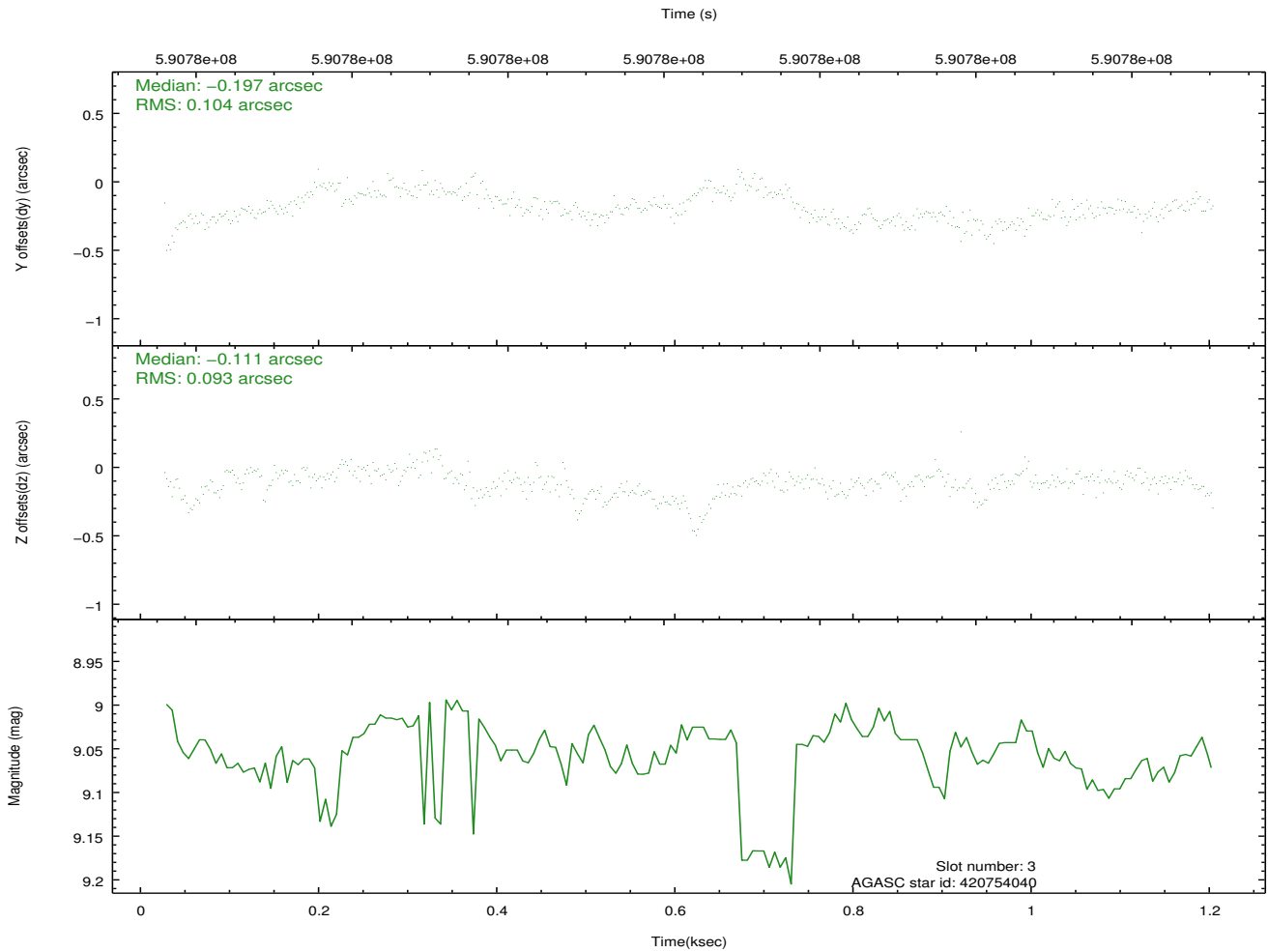
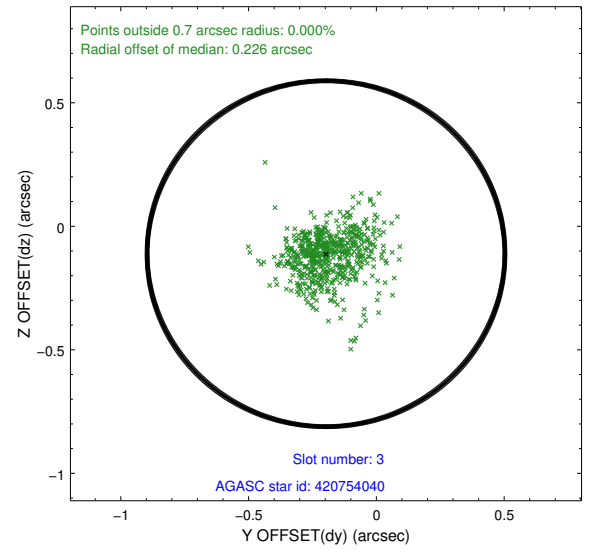
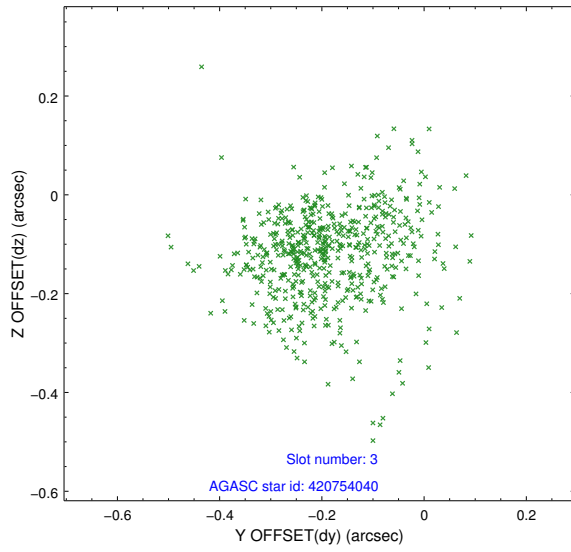


Slot Statistics

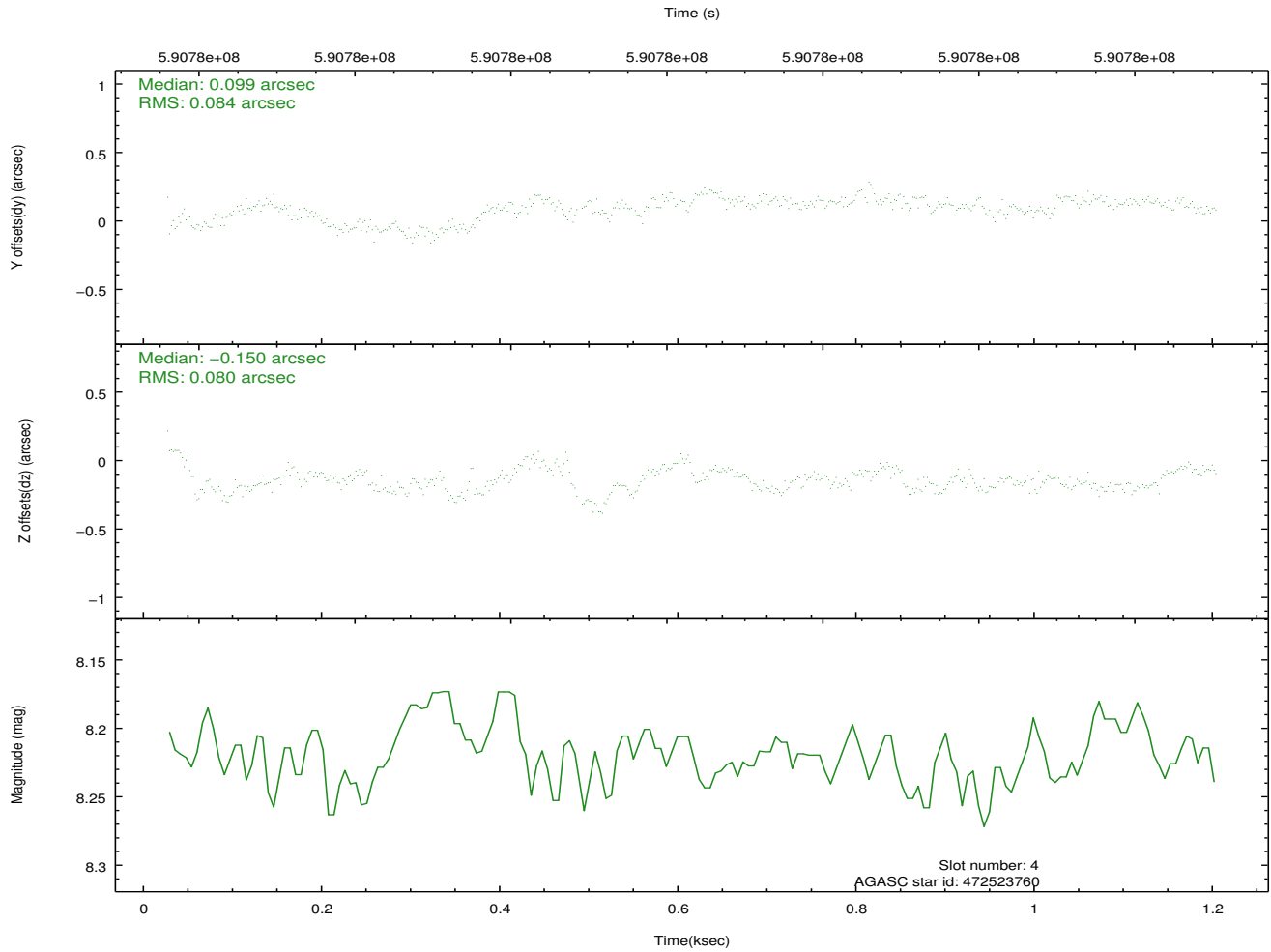
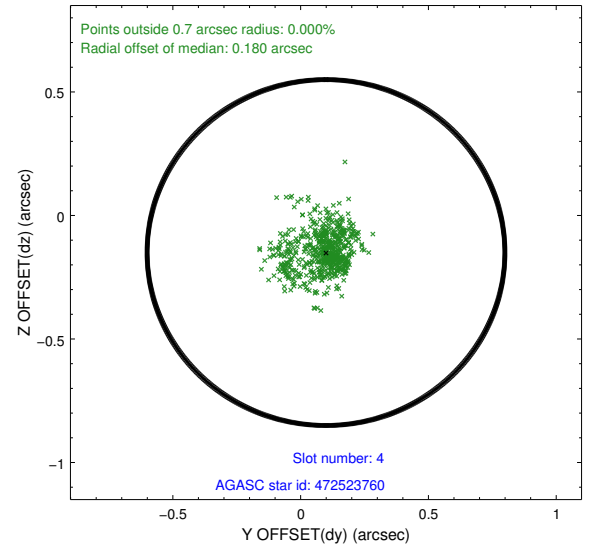
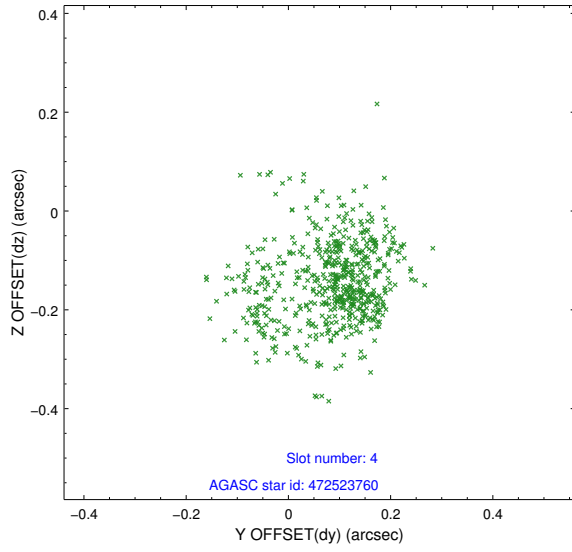
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.213	-0.039	0.007	0.010	0.000000	0.000000	-771.27	-1304.10
1	FID		HRC-I-2	7.05	287	0.374	-0.121	0.006	0.010	0.000000	0.000000	839.26	-1310.23
2	FID		HRC-I-3	7.13	287	-0.041	0.070	0.005	0.009	0.000000	0.000000	-1196.75	995.99
3	GUIDE	used	420754040	9.05	575	-0.197	-0.111	0.143	0.262	331.917939	44.882543	2333.41	2149.98
4	GUIDE	used	472523760	8.22	573	0.099	-0.150	0.122	0.206	331.645363	45.403260	1861.78	212.79
5	GUIDE	used	472655152	9.42	575	0.220	-0.117	0.189	0.323	332.504239	45.862991	-856.70	41.67
6	GUIDE	used	472665256	8.98	574	0.422	0.293	0.118	0.192	332.808125	46.195041	-2154.12	-536.48
7	GUIDE	used	472525528	6.64	574	-0.511	0.088	0.085	0.137	331.551102	45.248694	2363.47	534.15

2.4 Star Slots

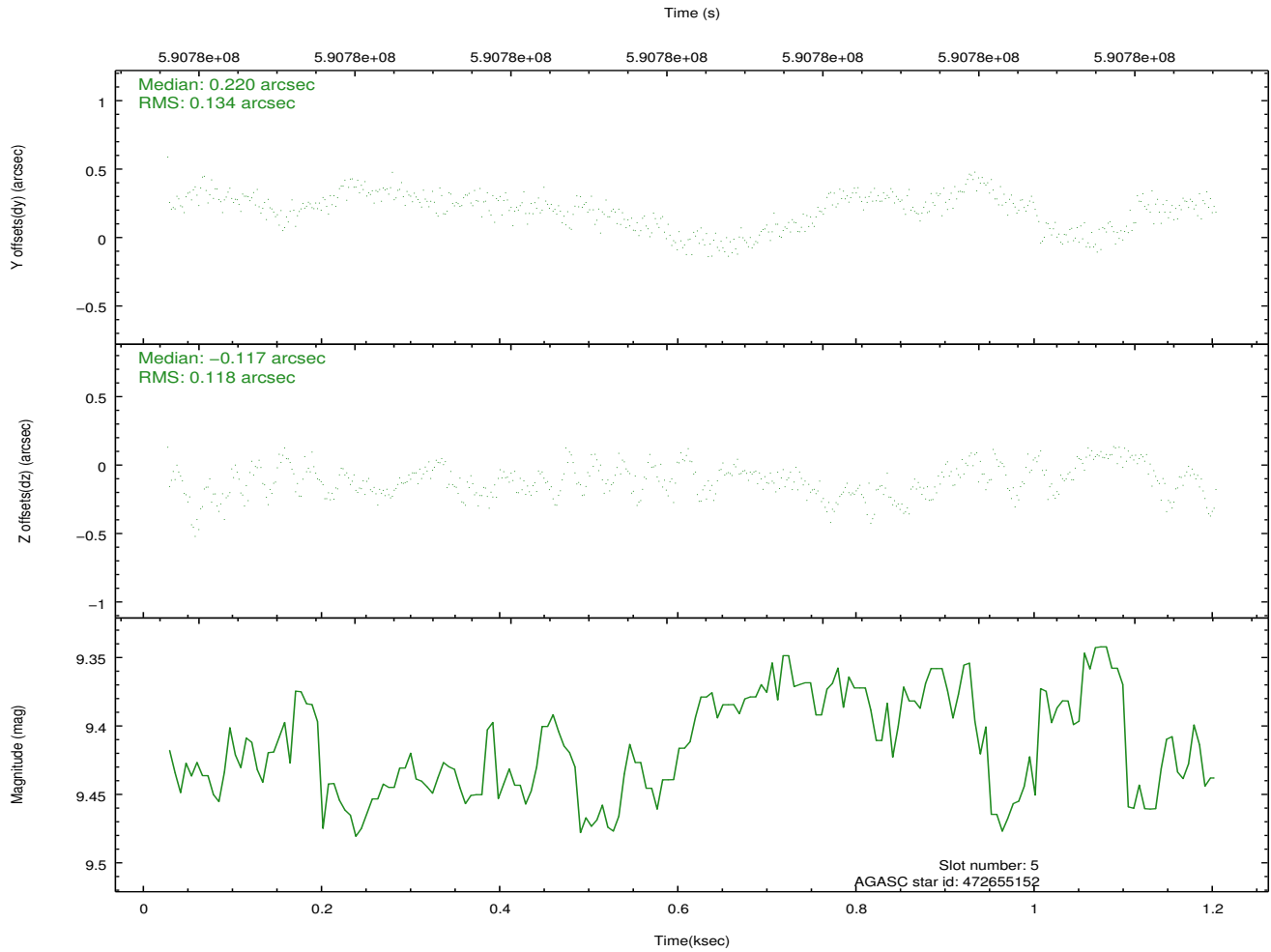
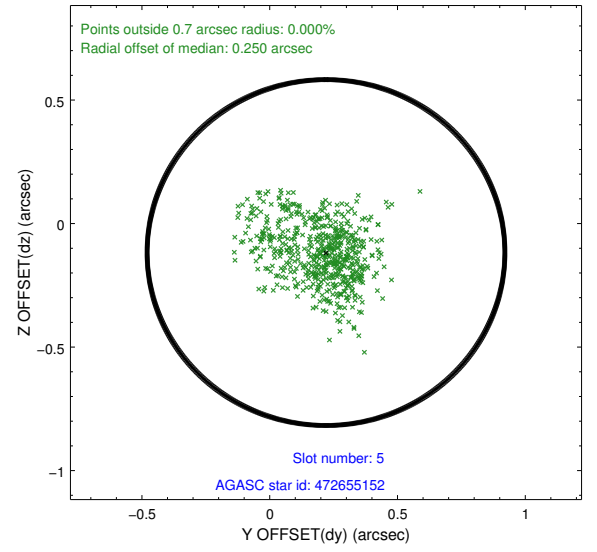
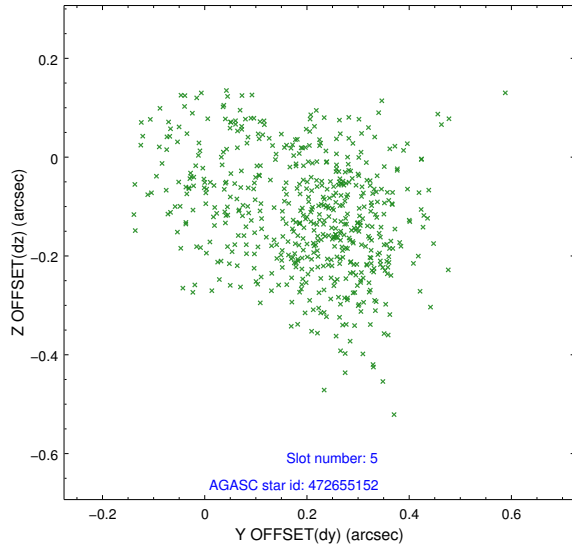
2.4.1 Slot 3



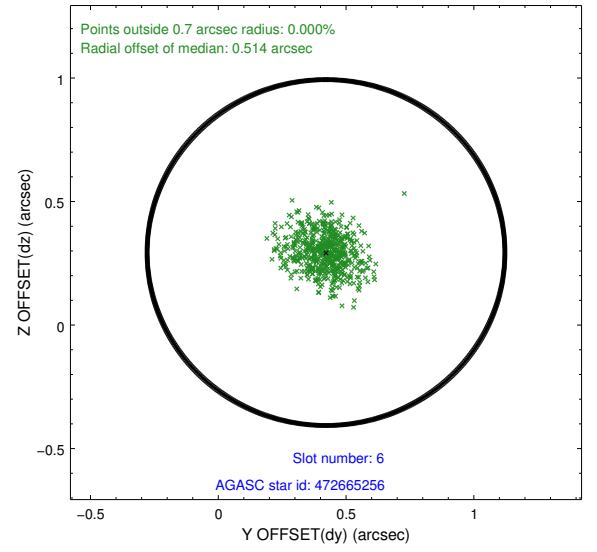
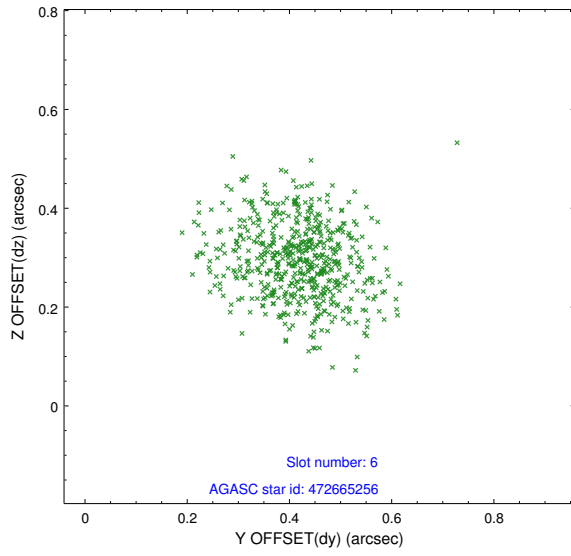
2.4.2 Slot 4



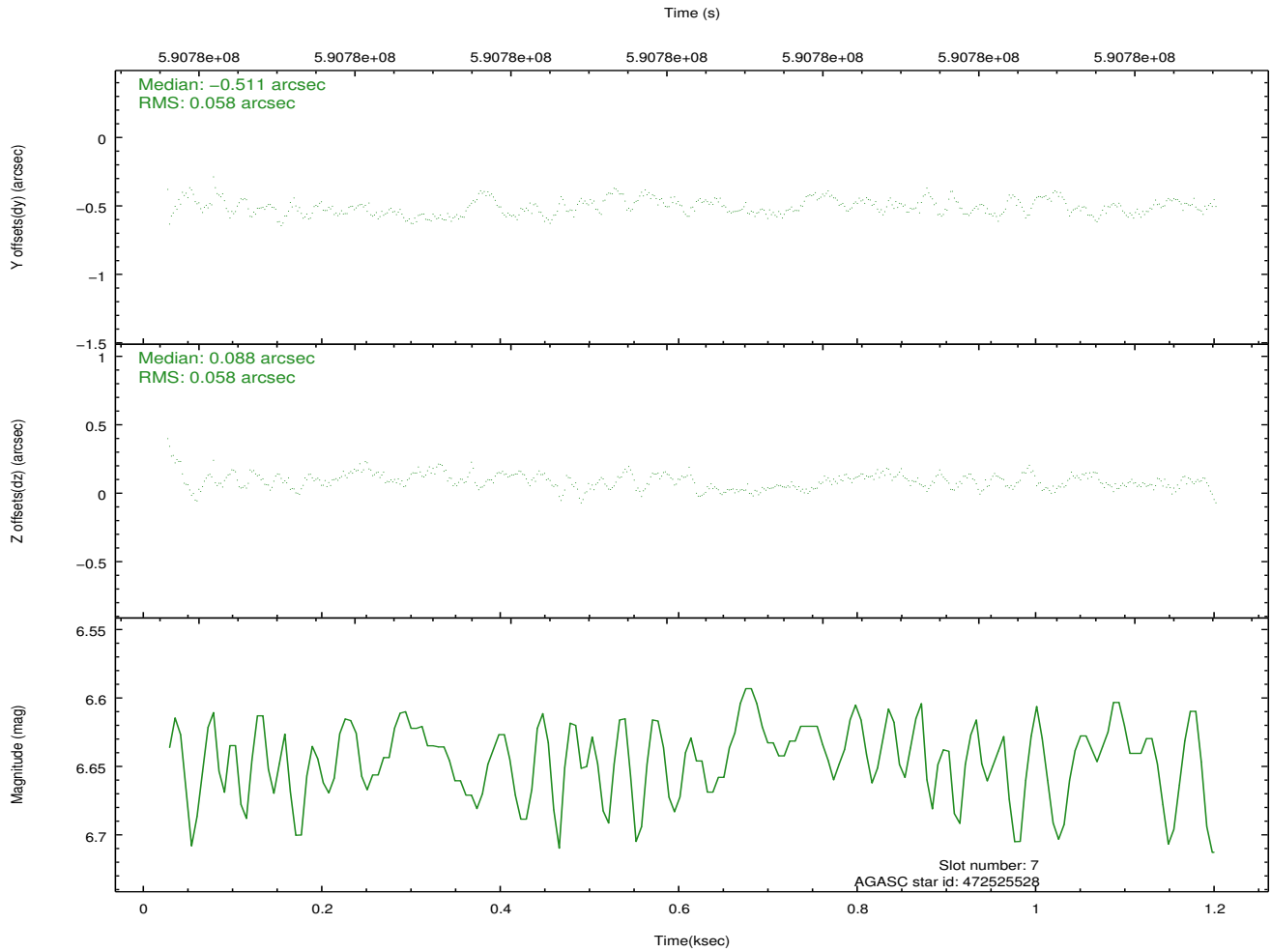
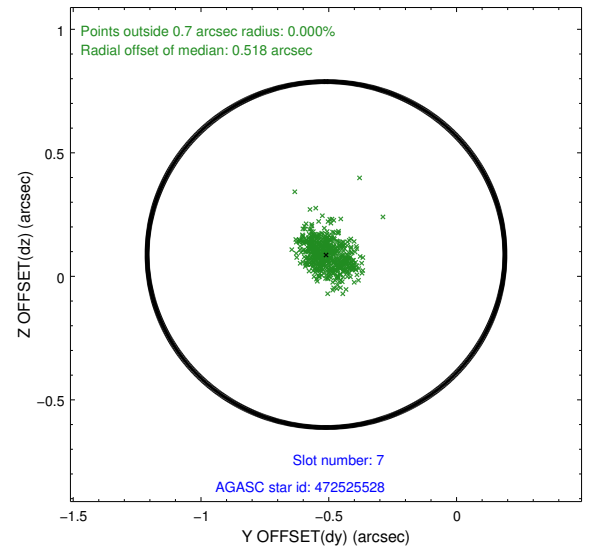
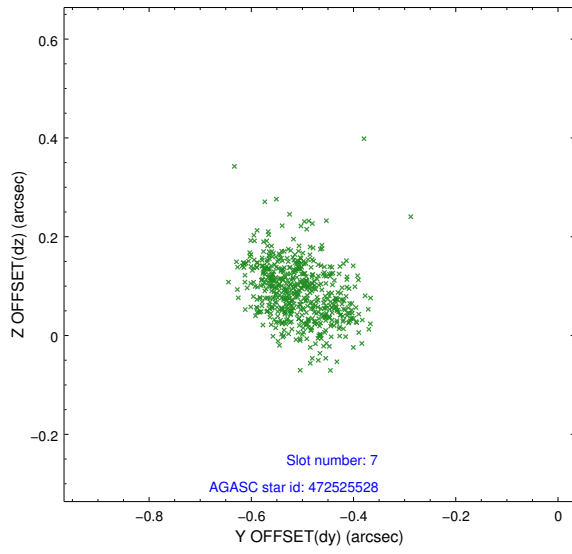
2.4.3 Slot 5



2.4.4 Slot 6

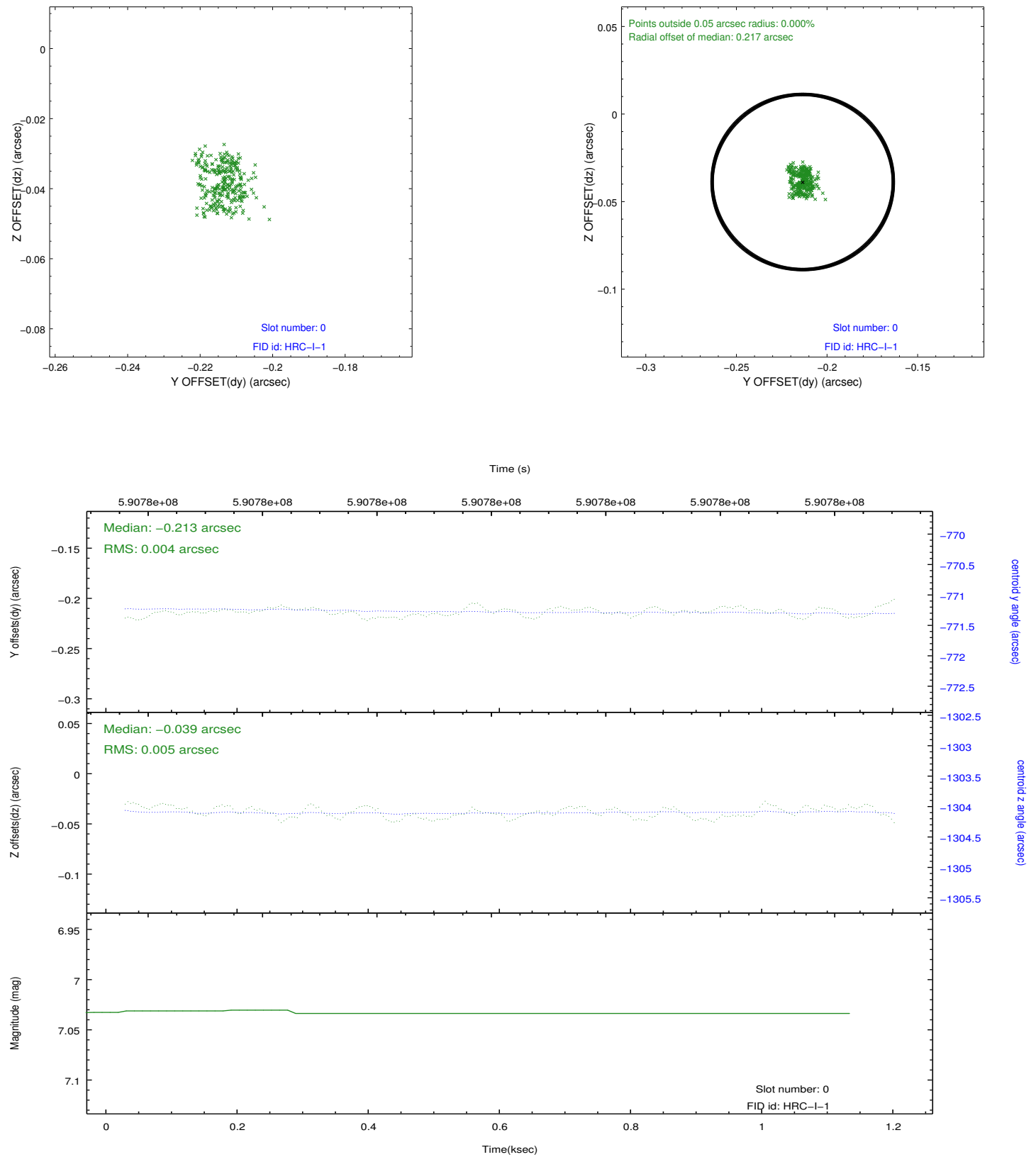


2.4.5 Slot 7

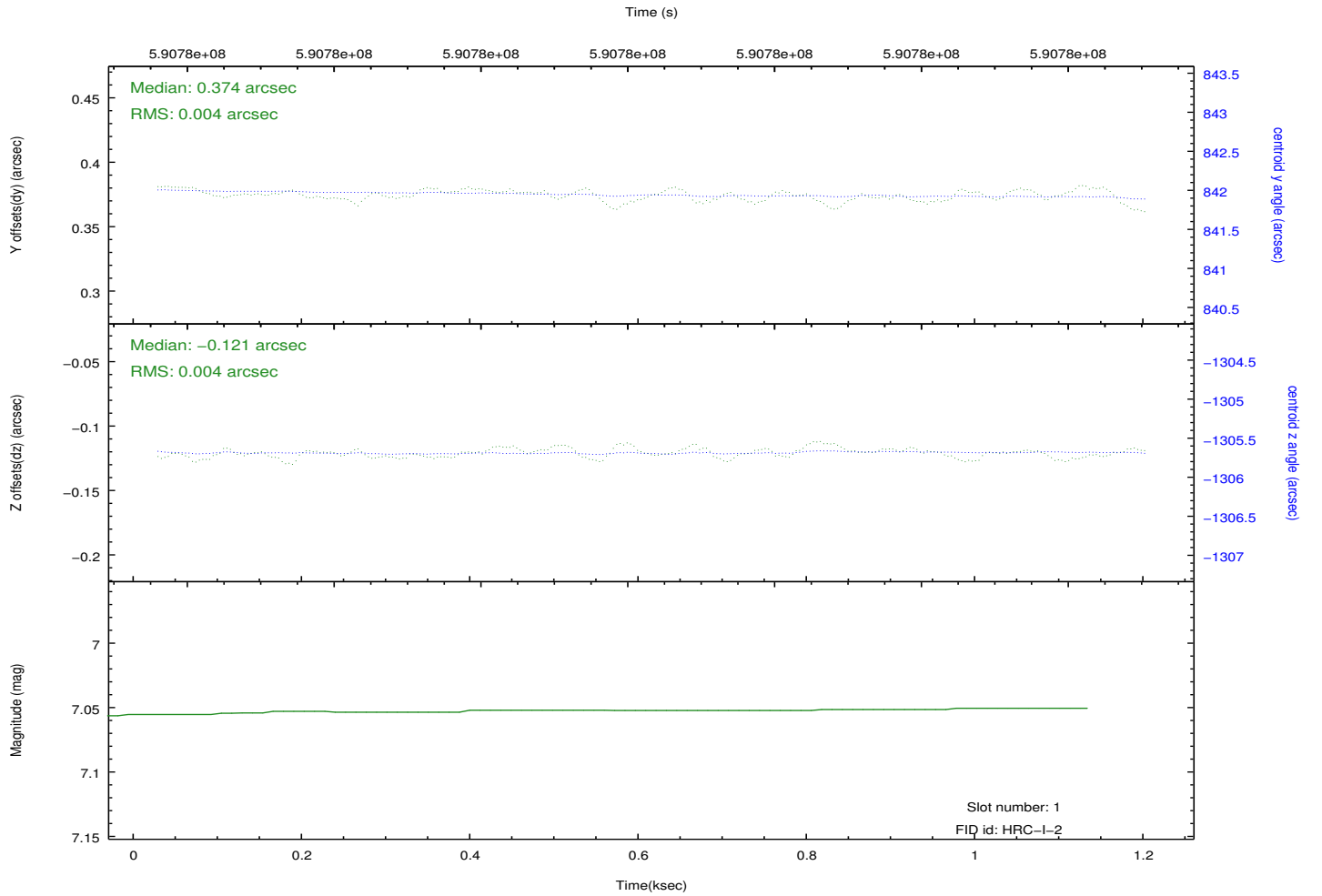
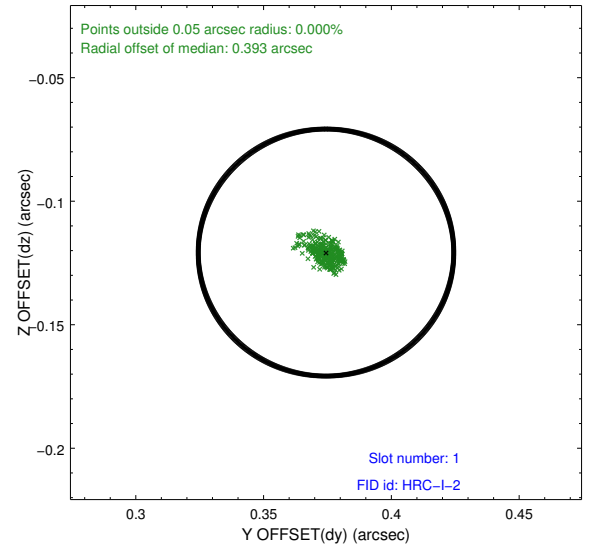
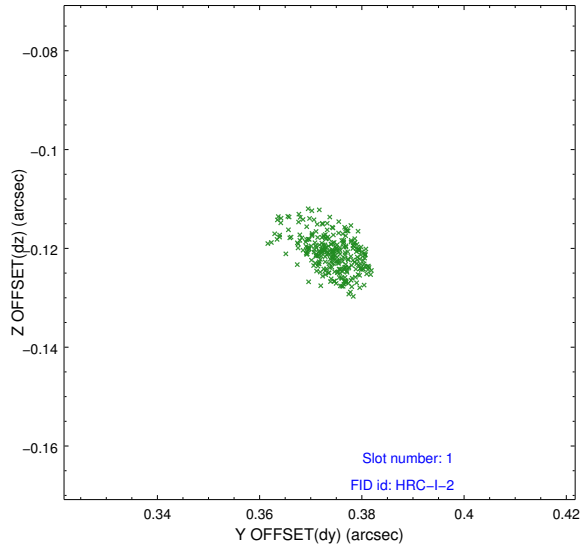


2.5 FID Slots

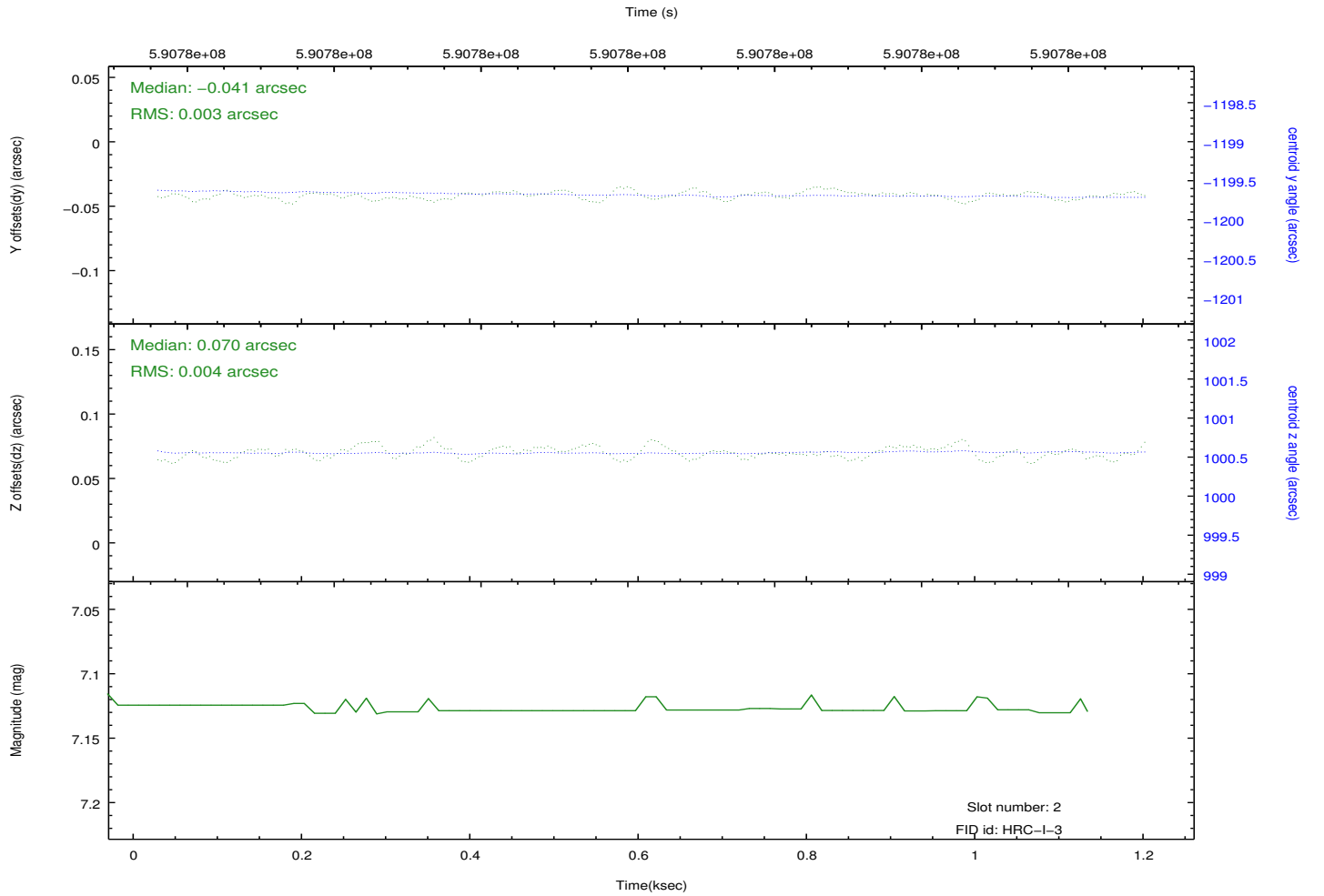
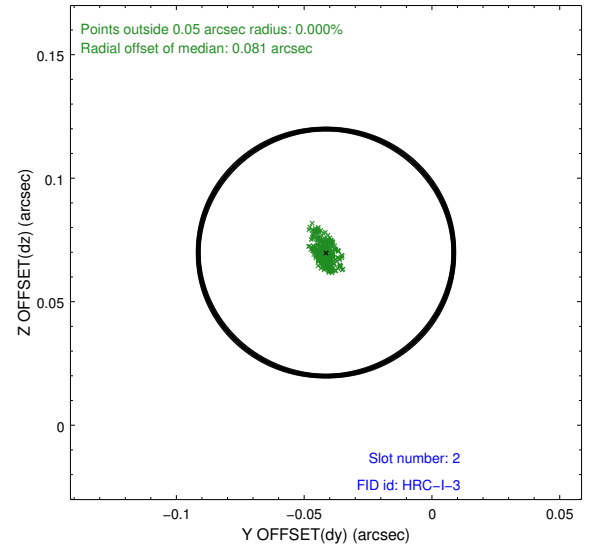
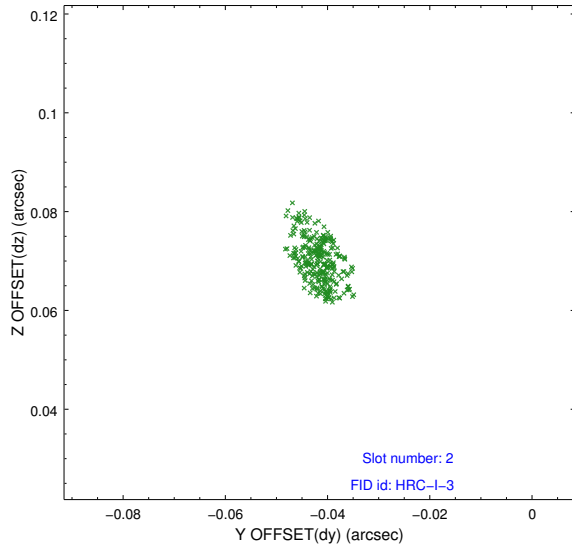
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.175931317687

A.2 Comments