

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19818 - L2 Version 1
Chandra X-Ray Center

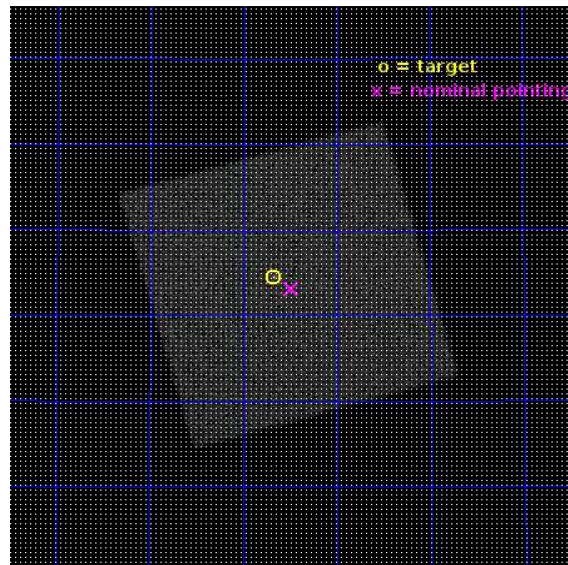
L2 Processing Date : Sep 17 2017

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1 Front

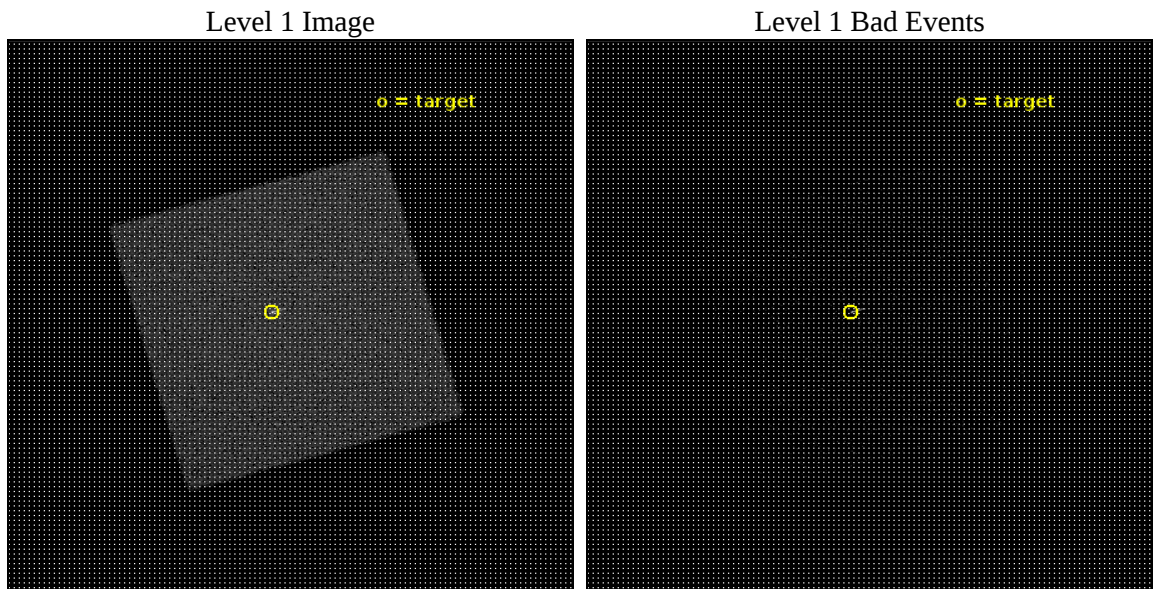
seq_num	291335	Sequence number
obs_id	19818	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12216567644	Nominal RA [deg]
dec_nom	45.719444222458	Nominal Dec [deg]
roll_nom	209.02172372019	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.8313186169	[s]
livetime	1156.8475953117	Ontime multiplied by DTCOR
l2events	132013	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1171.8313186169	[s]
caldbver	4.7.6	 	l1events	220797	Number of level 1 events
date	2017-09-17T15:24:16	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

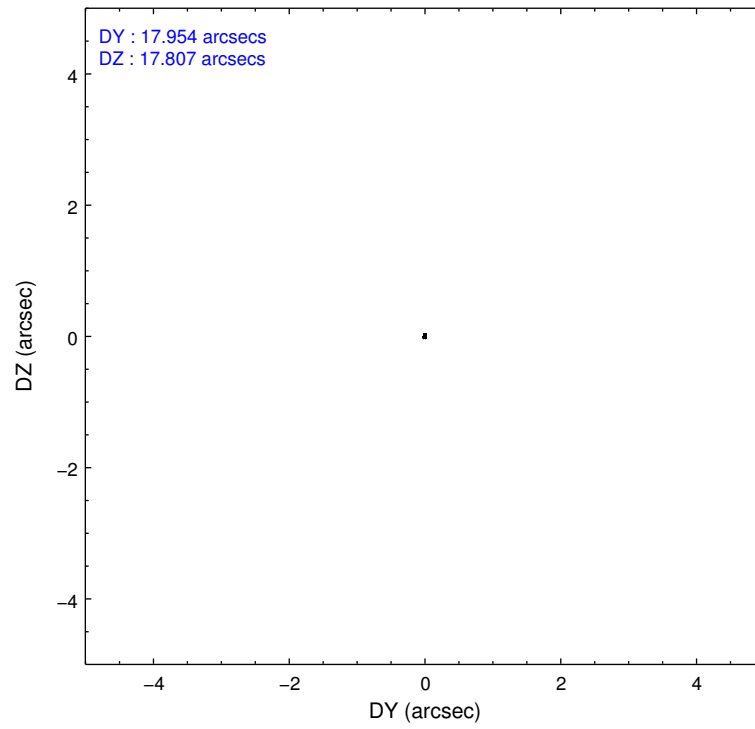
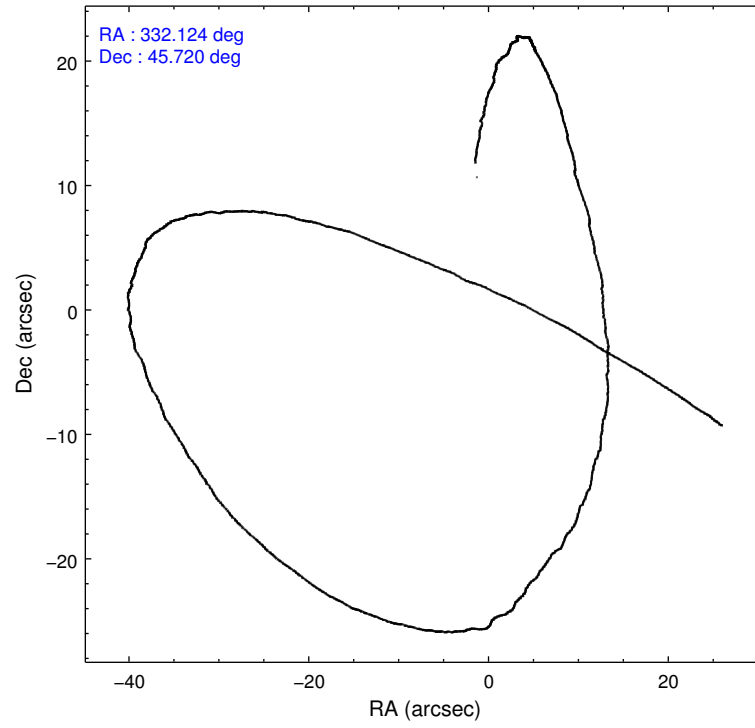
	segment 0
level 1 events	220797
rejected events	48944
rejected %	22%

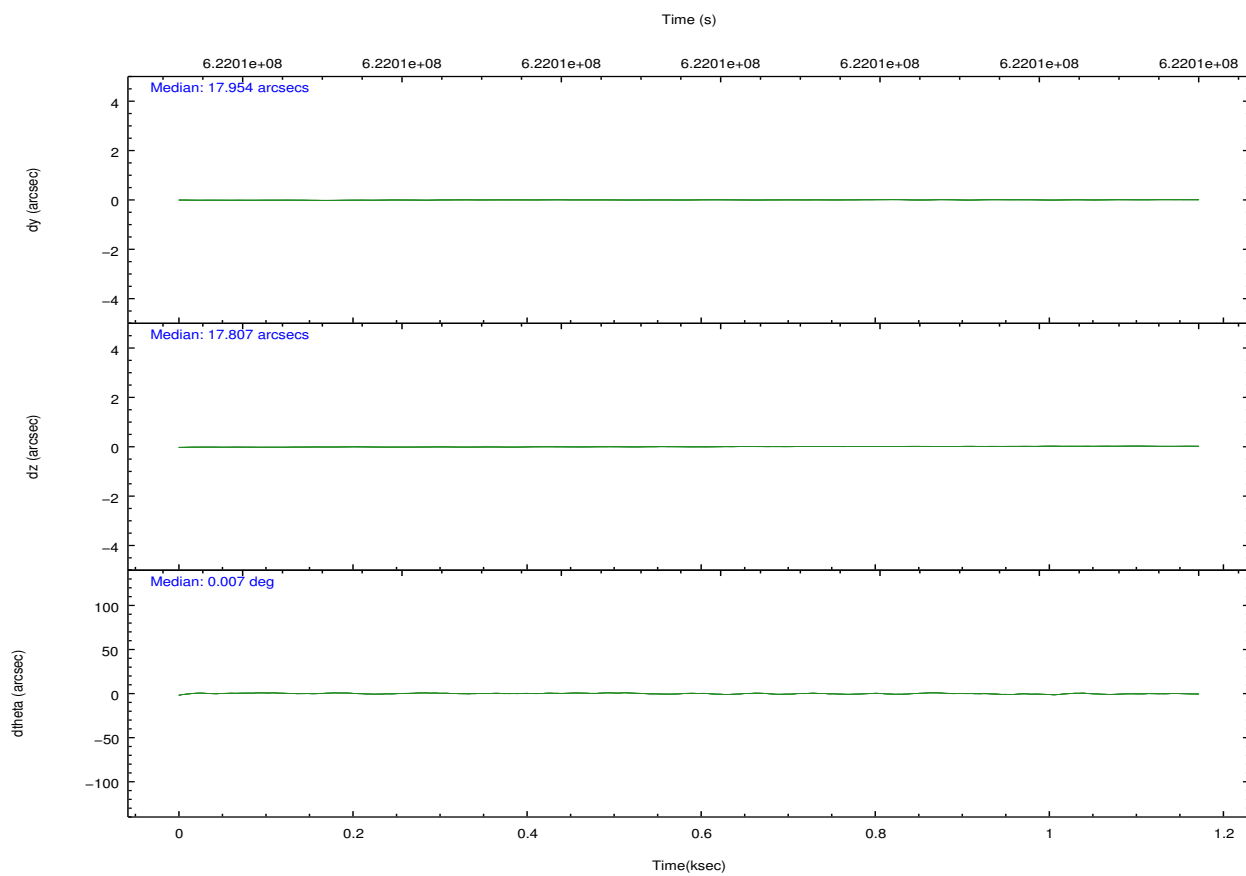
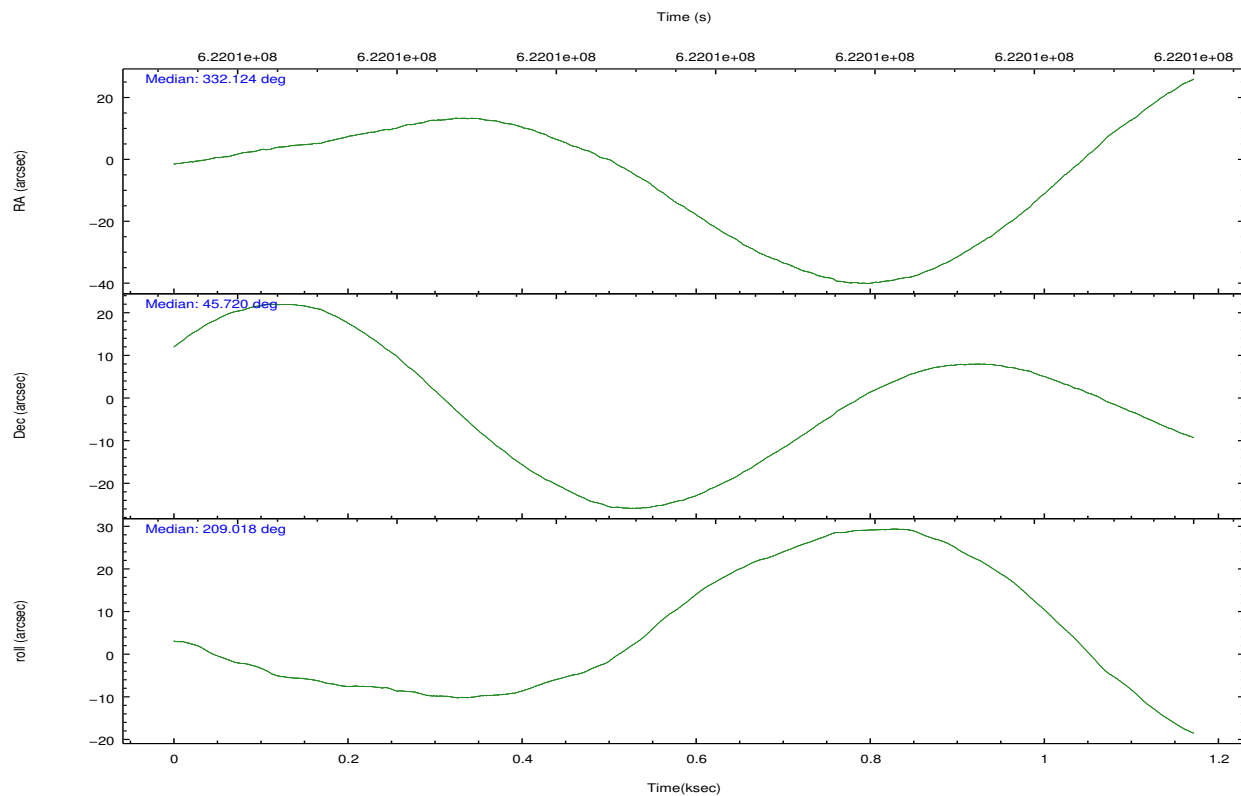
2.2 Compared Parameters

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	332.141691	332.1221656764365
[deg] Pointing Dec	45.742365	45.71944422245824
[deg] Pointing Roll	209.103160	209.0217237201902
[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)	622010148.184000	622009772.14074
Observation start date	2017-09-17T04:34:39	2017-09-17T04:29:32
[s] Observation end time (MET)	622011148.184000	622011282.47833
Observation end date	2017-09-17T04:51:19	2017-09-17T04:54:42

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

2.3 Aspect



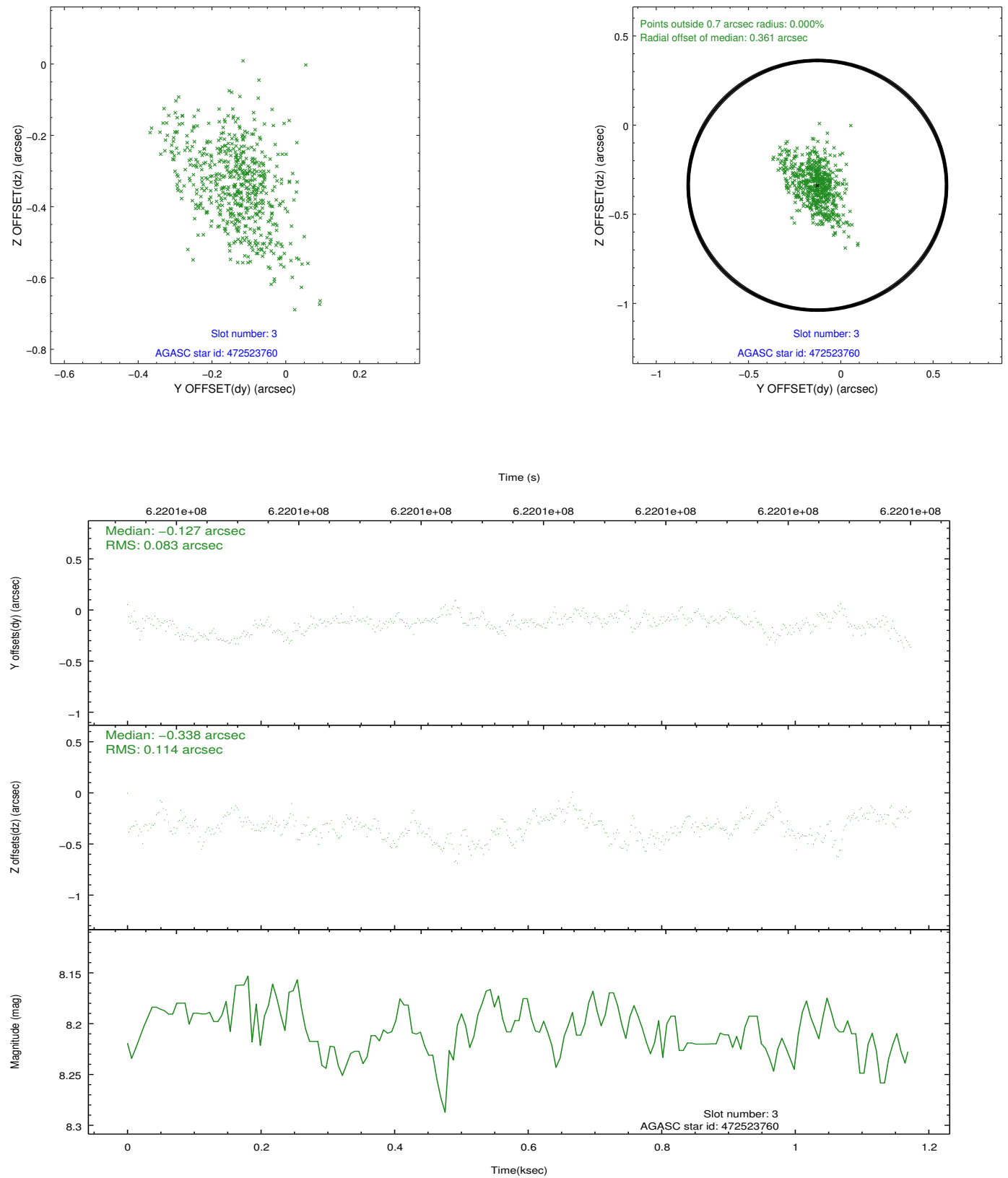


Slot Statistics

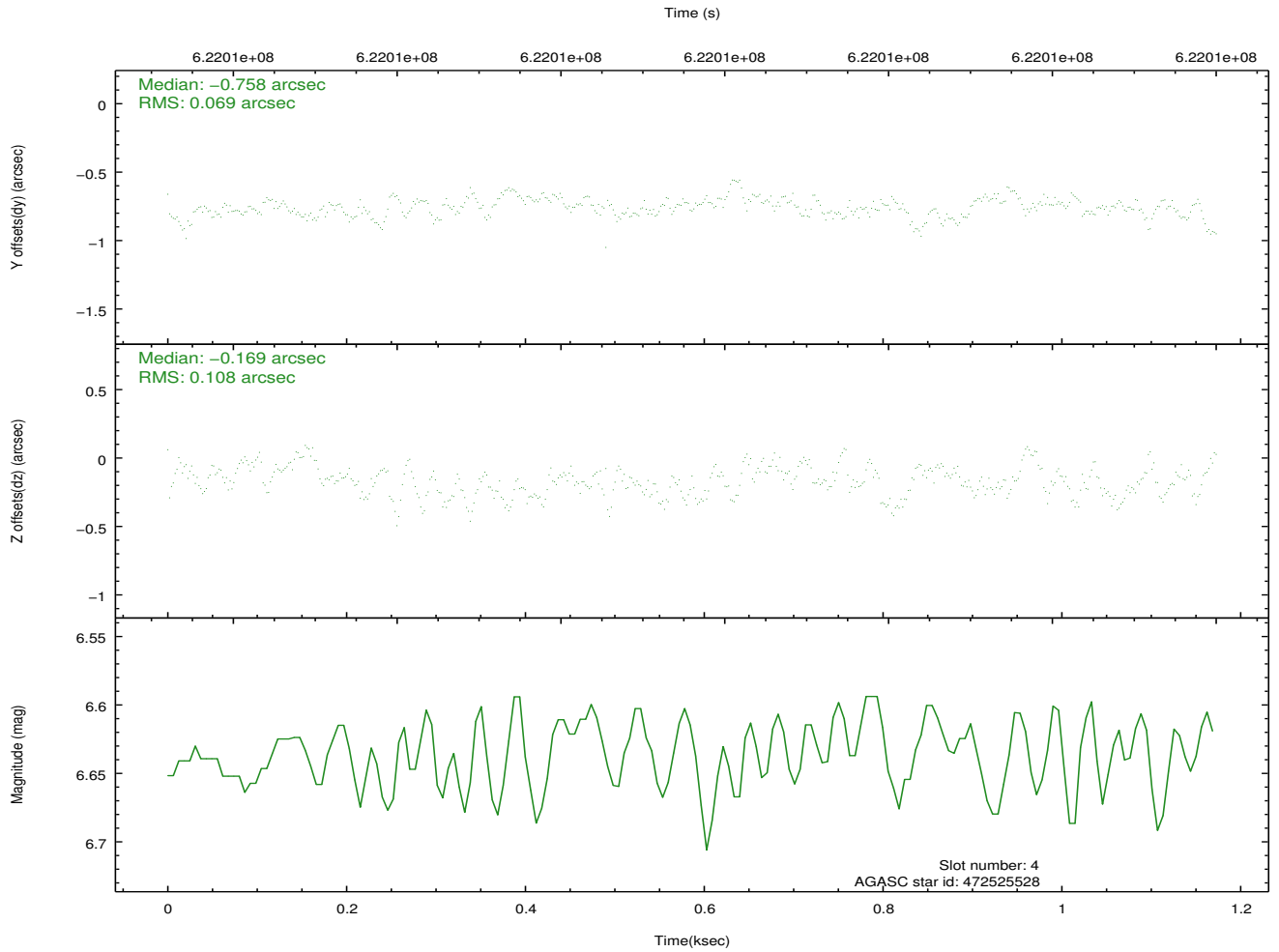
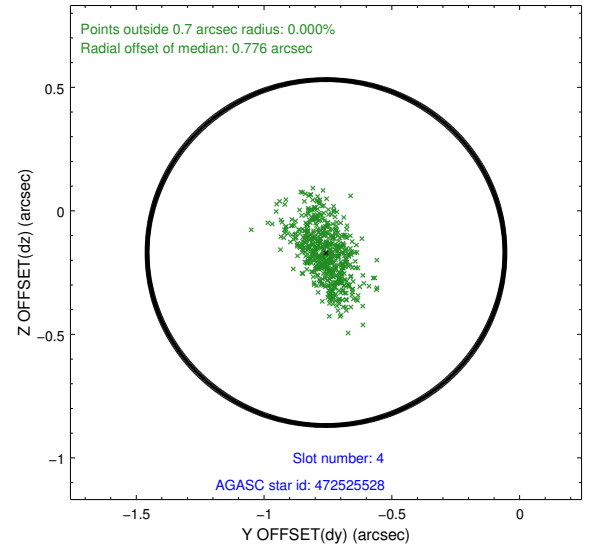
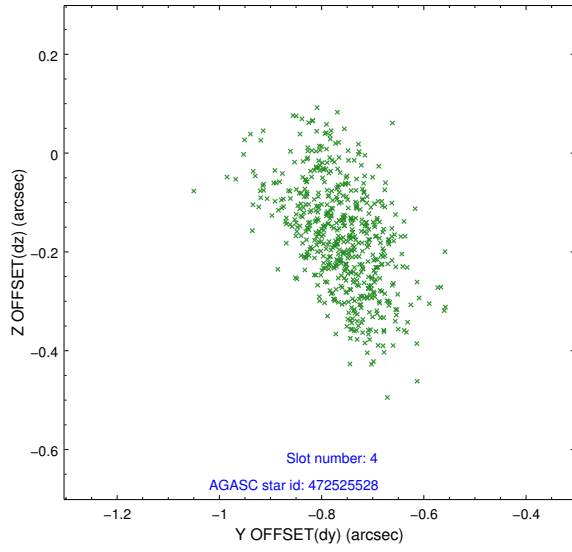
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.04	286	0.115	-0.145	0.005	0.010	0.000000	0.000000	838.95	-1307.66
1	FID		HRC-I-3	7.10	287	-0.334	0.062	0.006	0.011	0.000000	0.000000	-1199.75	994.07
2	FID		HRC-I-4	7.03	286	0.337	-0.004	0.006	0.010	0.000000	0.000000	1265.08	999.70
3	GUIDE	used	472523760	8.21	572	-0.127	-0.338	0.145	0.256	331.645363	45.403260	1689.41	455.82
4	GUIDE	used	472525528	6.64	573	-0.758	-0.169	0.135	0.234	331.551102	45.248694	2173.15	823.74
5	GUIDE	used	472533912	9.11	573	0.397	0.317	0.205	0.682	331.791136	46.368695	-331.14	-2390.58
6	GUIDE	used	472655152	9.36	571	0.149	-0.220	0.314	0.519	332.504239	45.862991	-1005.35	59.60
7	GUIDE	used	472665256	8.96	572	0.397	0.425	0.161	0.296	332.808125	46.195041	-2247.02	-618.76

2.4 Star Slots

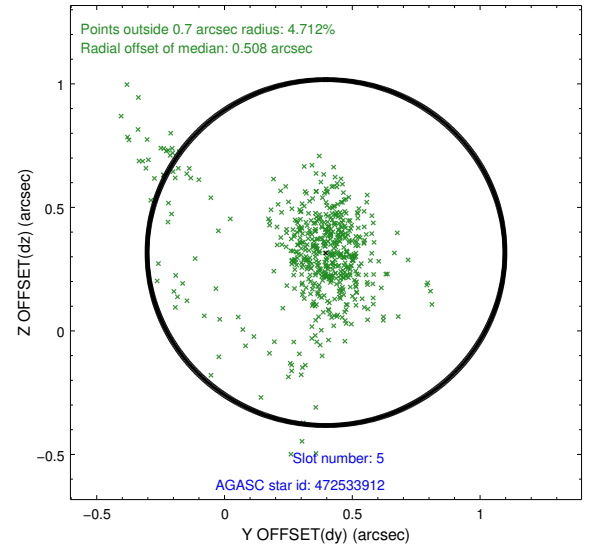
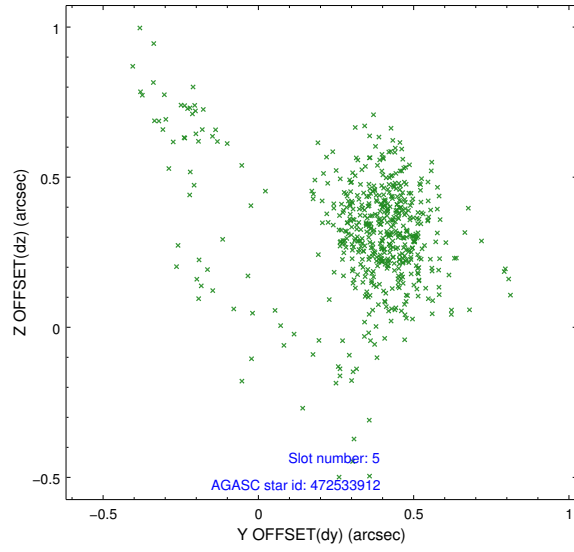
2.4.1 Slot 3



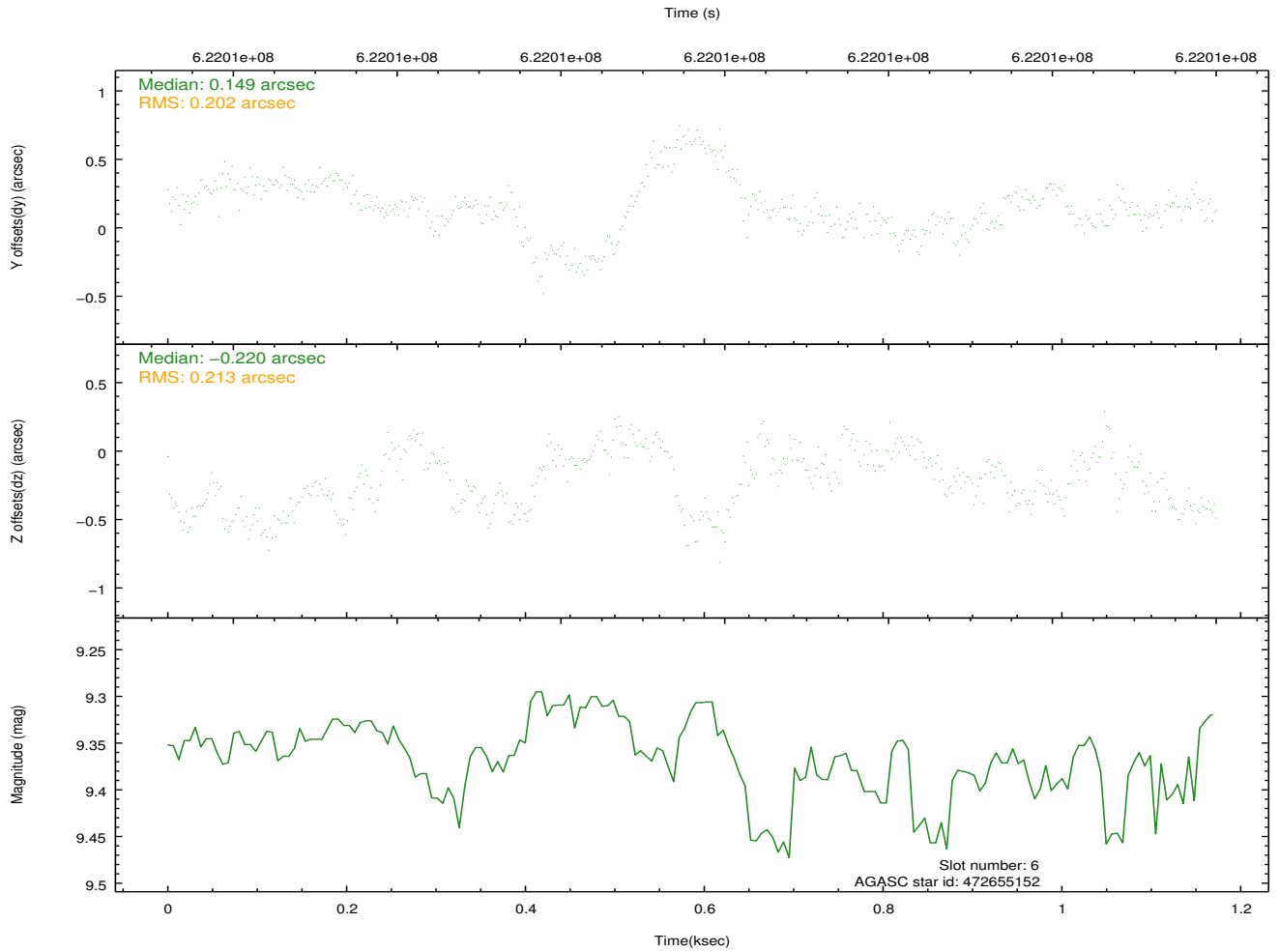
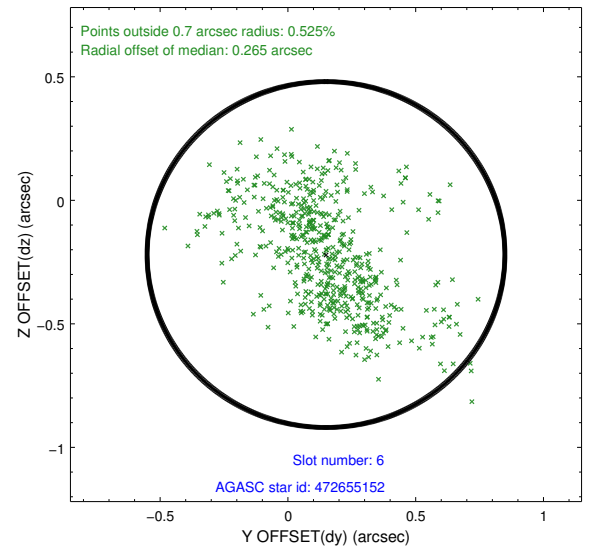
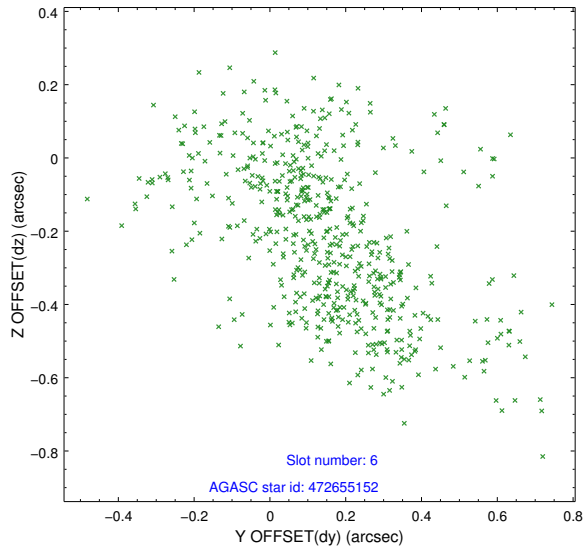
2.4.2 Slot 4



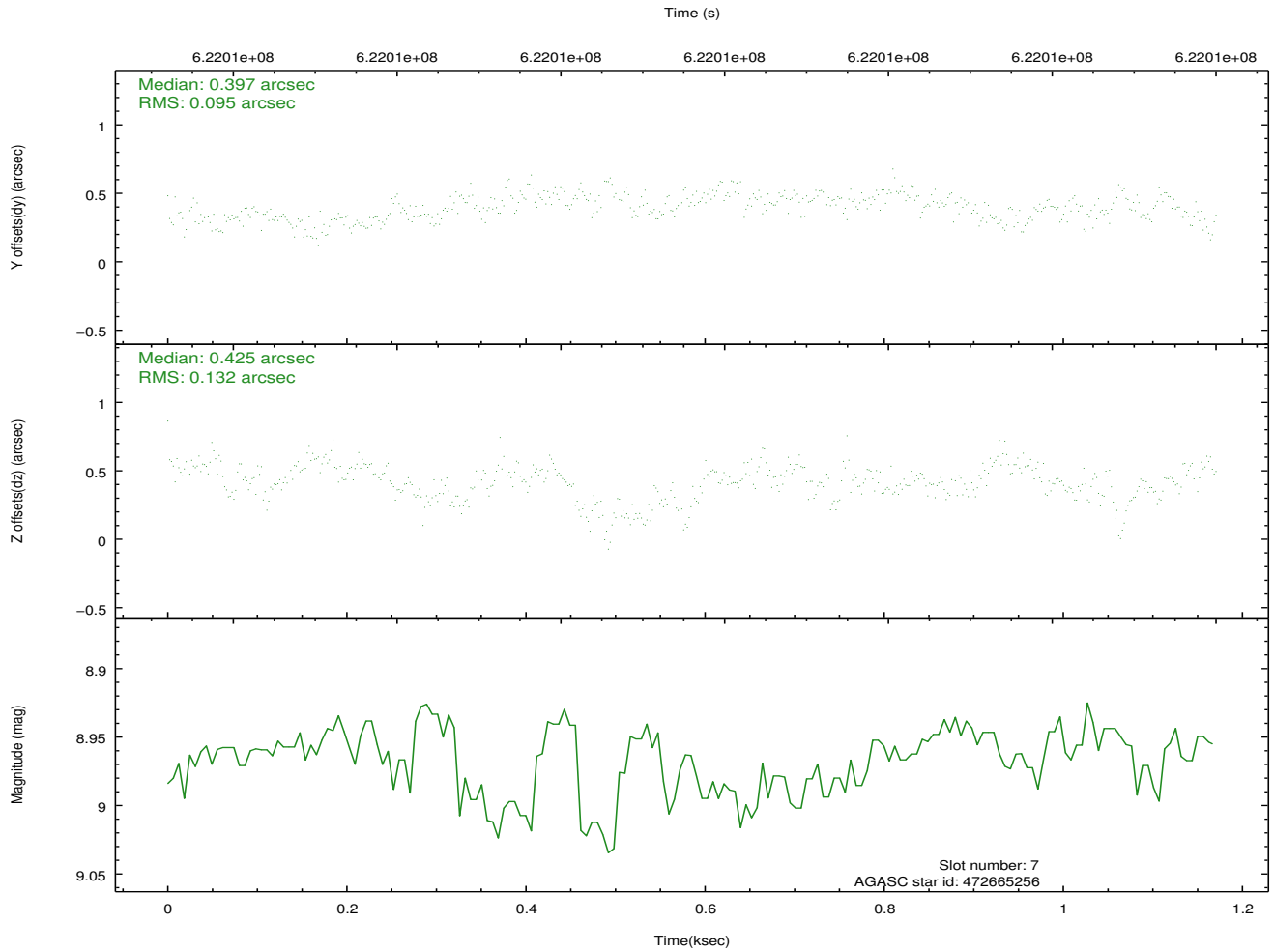
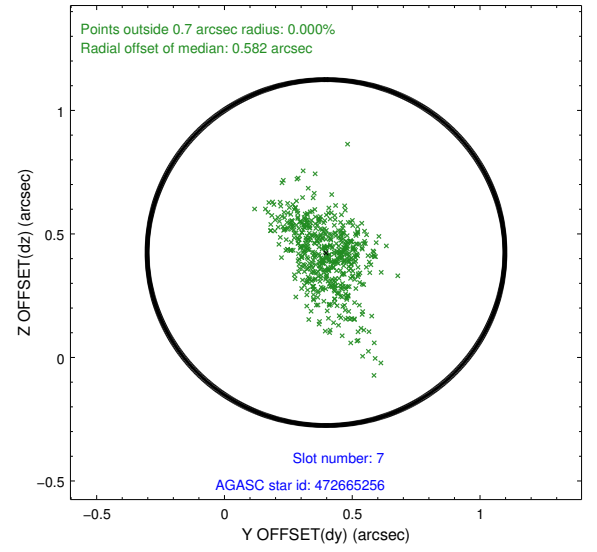
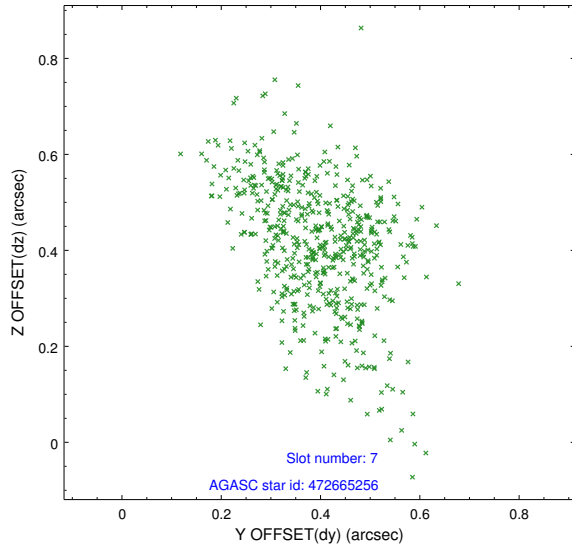
2.4.3 Slot 5



2.4.4 Slot 6

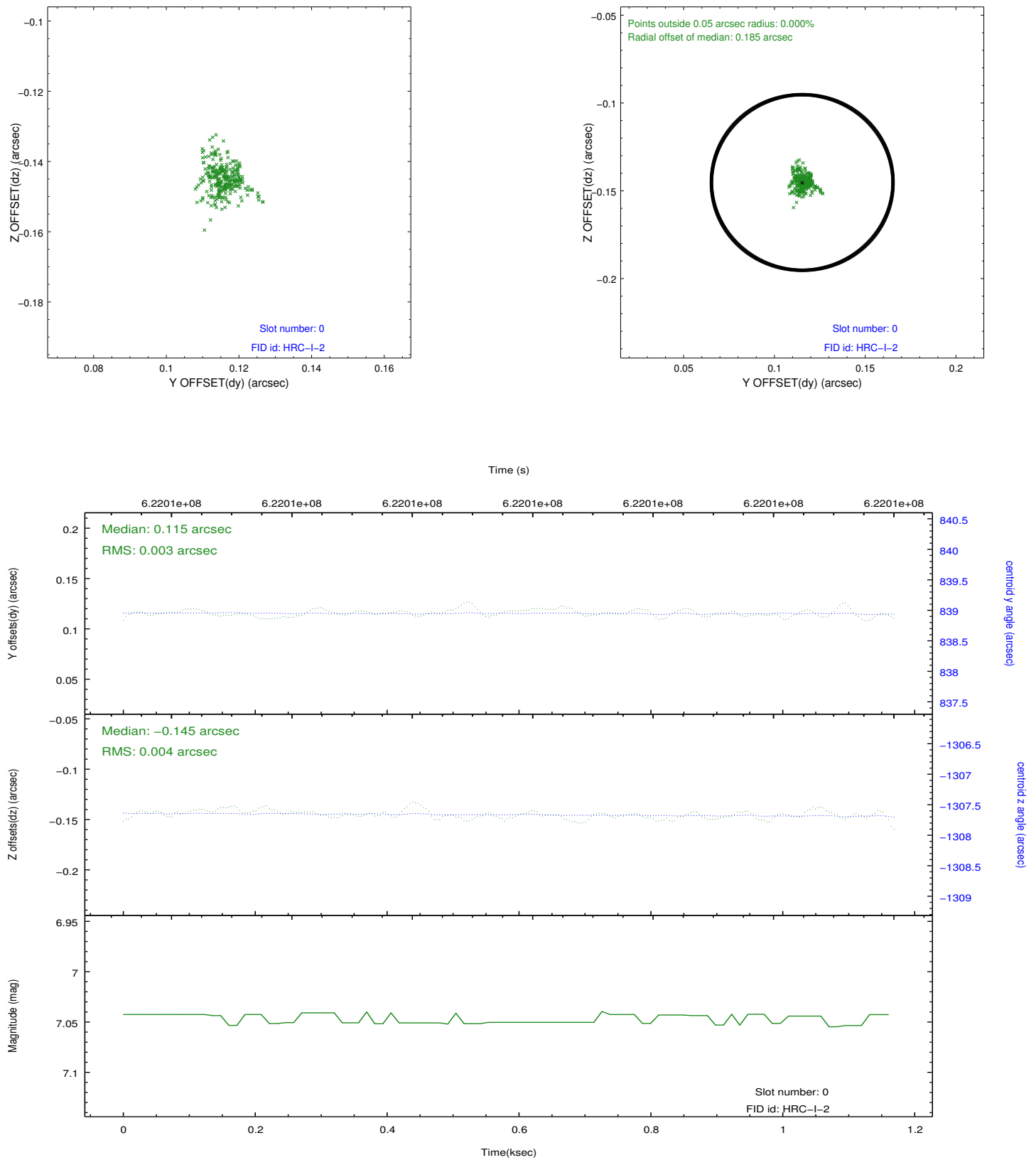


2.4.5 Slot 7

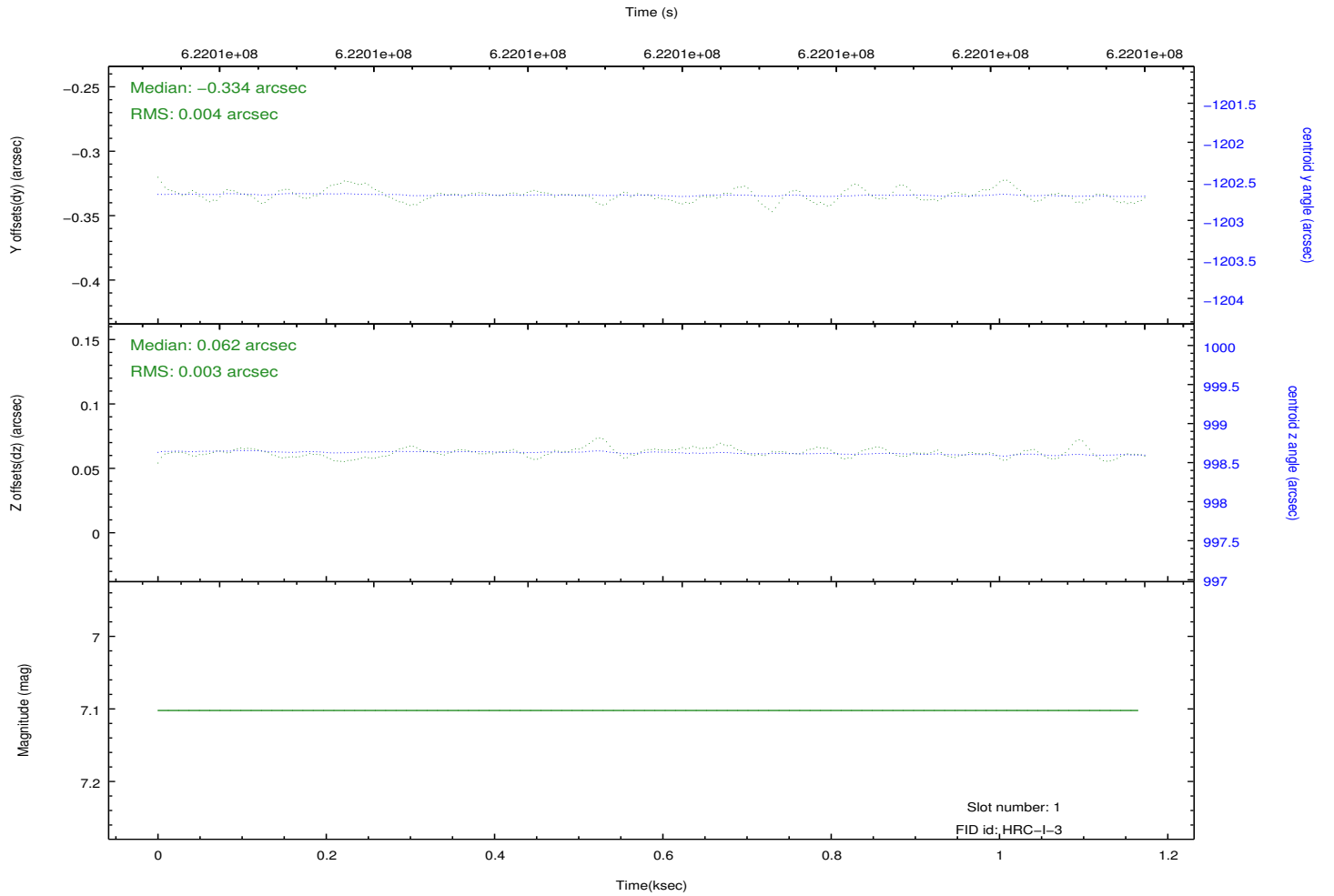
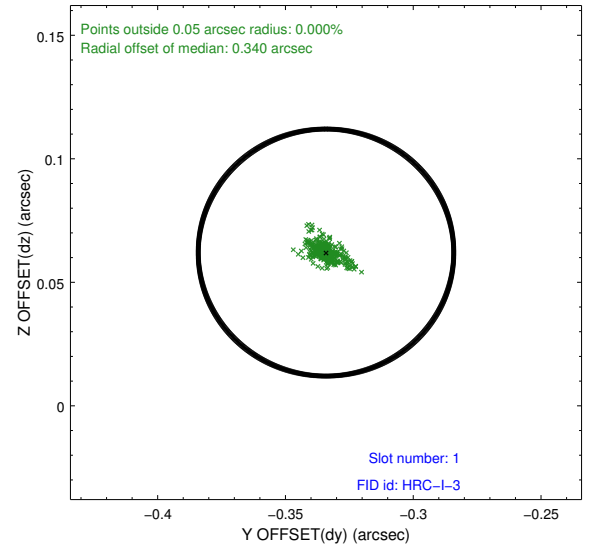
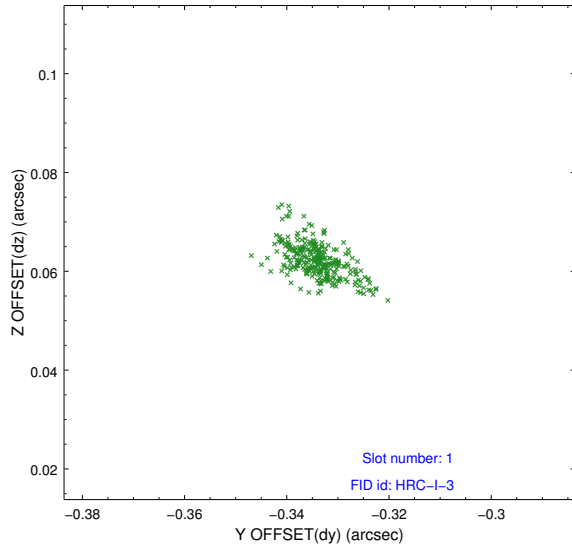


2.5 FID Slots

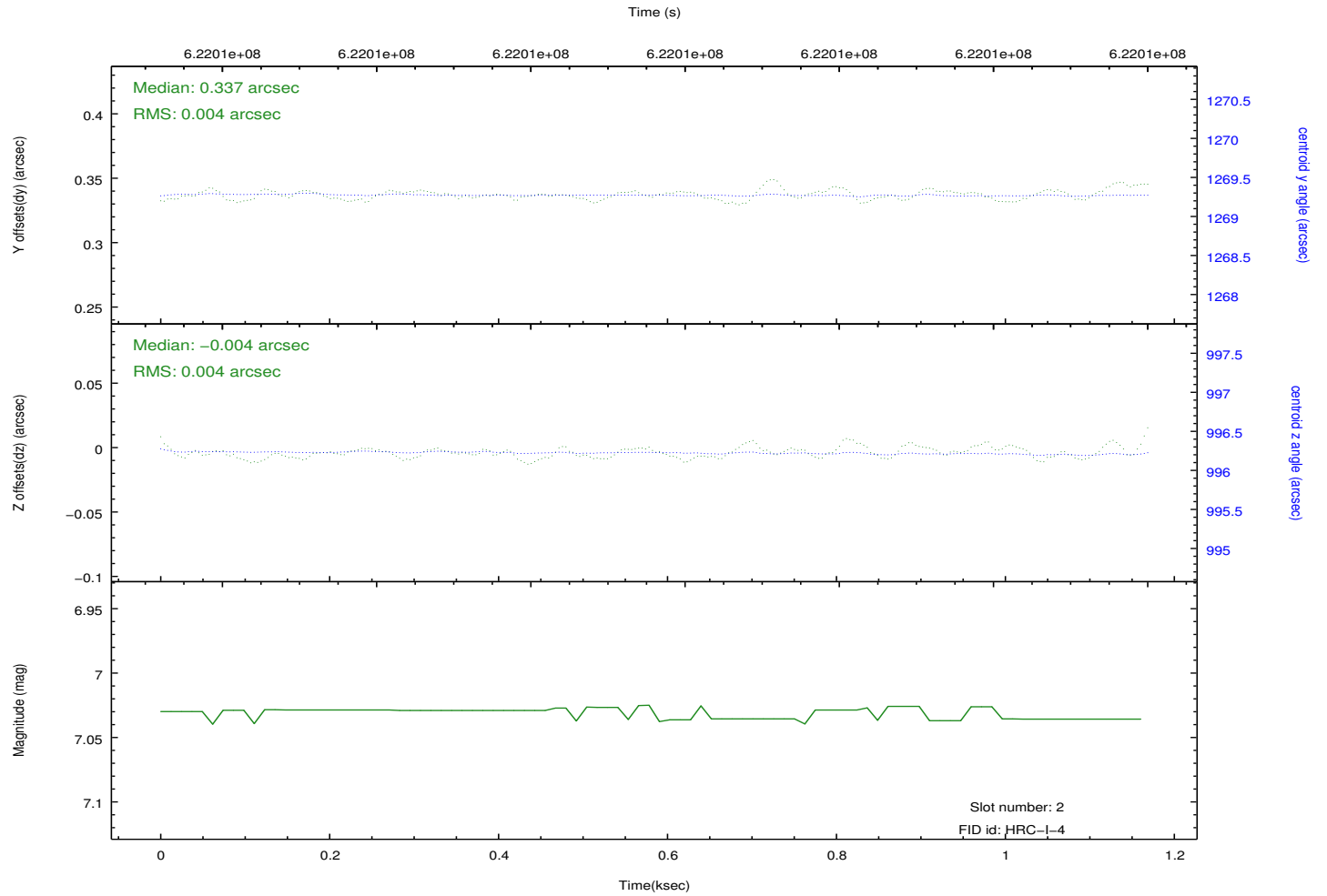
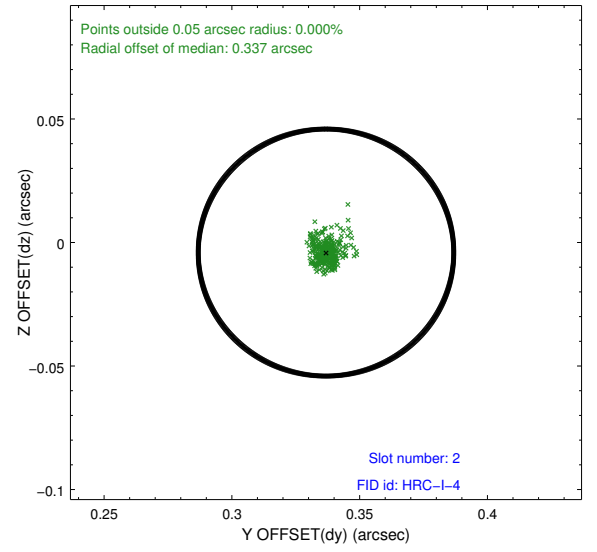
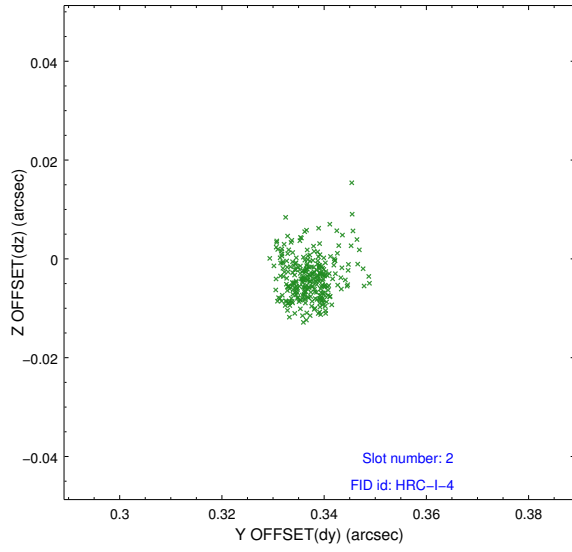
2.5.1 Slot 0



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)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1718313186169

A.2 Comments