

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18396 - L2 Version 1
Chandra X-Ray Center

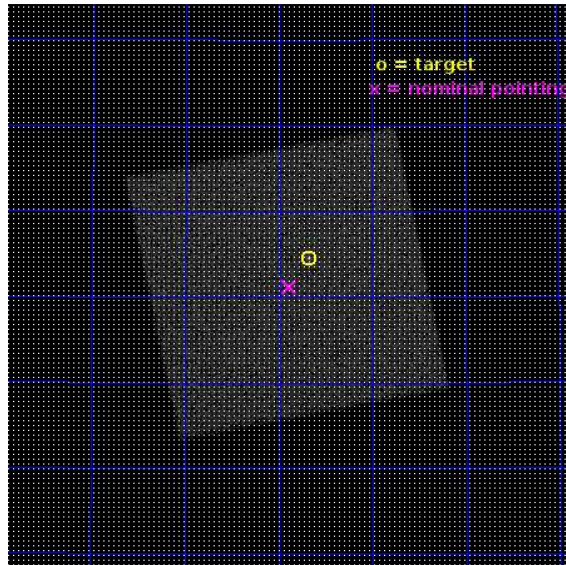
L2 Processing Date : Sep 20 2016

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1 Front

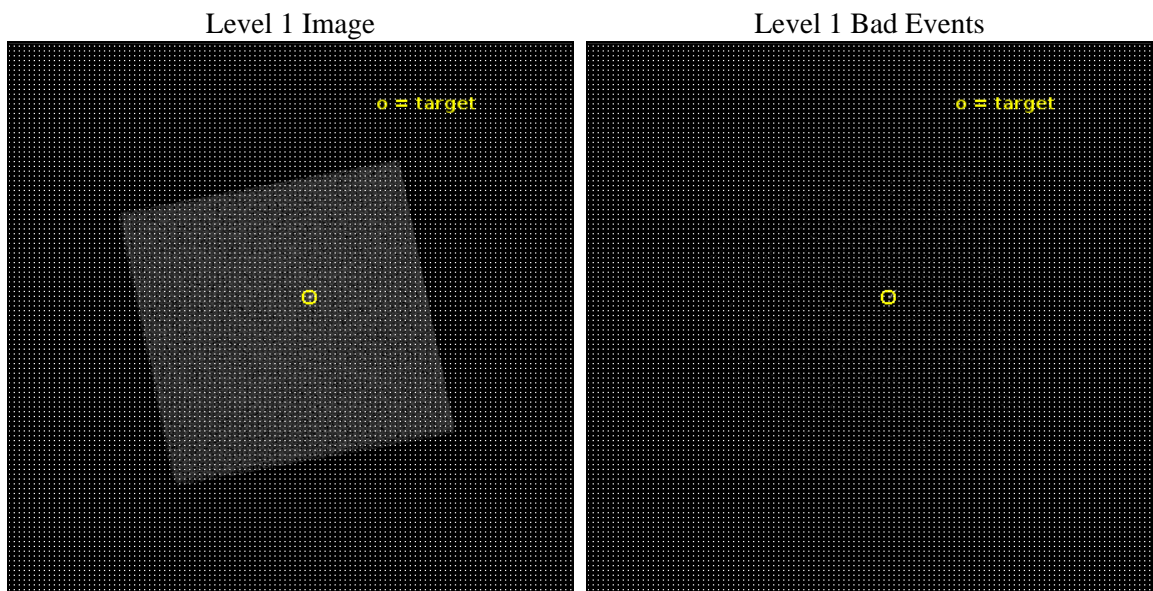
seq_num	291291	Sequence number
obs_id	18396	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22100330834	Nominal RA [deg]
dec_nom	45.686549585369	Nominal Dec [deg]
roll_nom	213.80271523949	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313182116	[s]
livetime	1170.4484870655	Ontime multiplied by DTCOR
l2events	115515	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	1184.1313182116	[s]
caldbver	4.7.2	 	l1events	194163	Number of level 1 events
date	2016-09-21T02:07:37	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

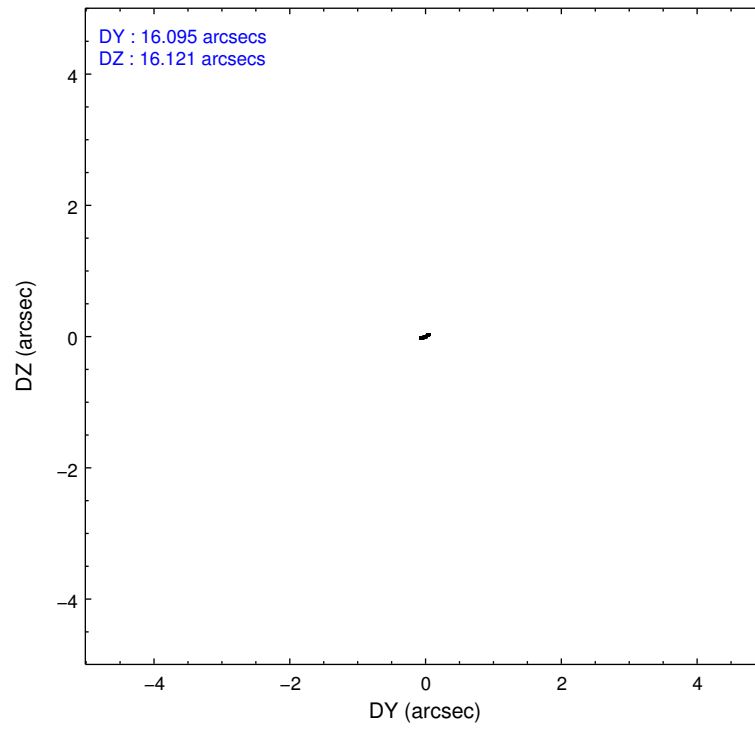
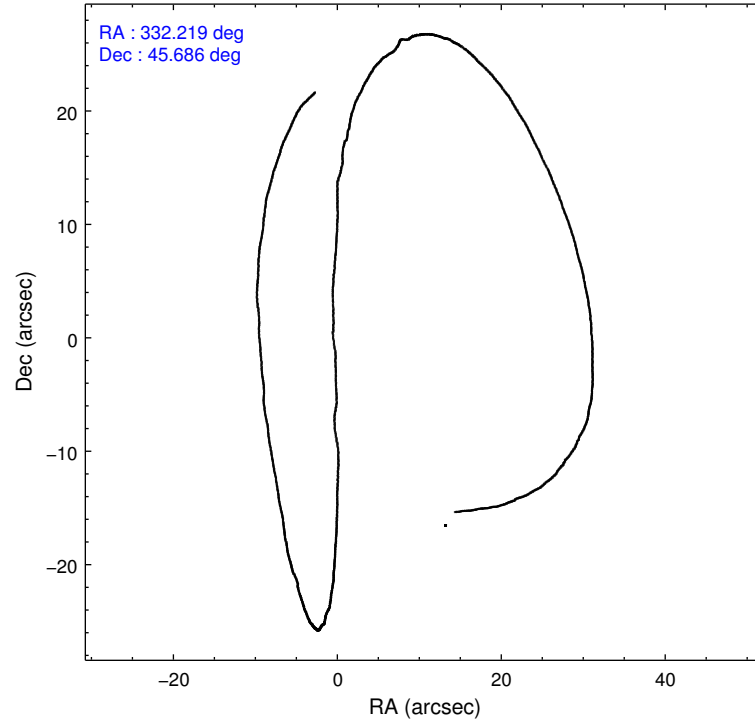
	segment 0
level 1 events	194163
rejected events	41870
rejected %	21%

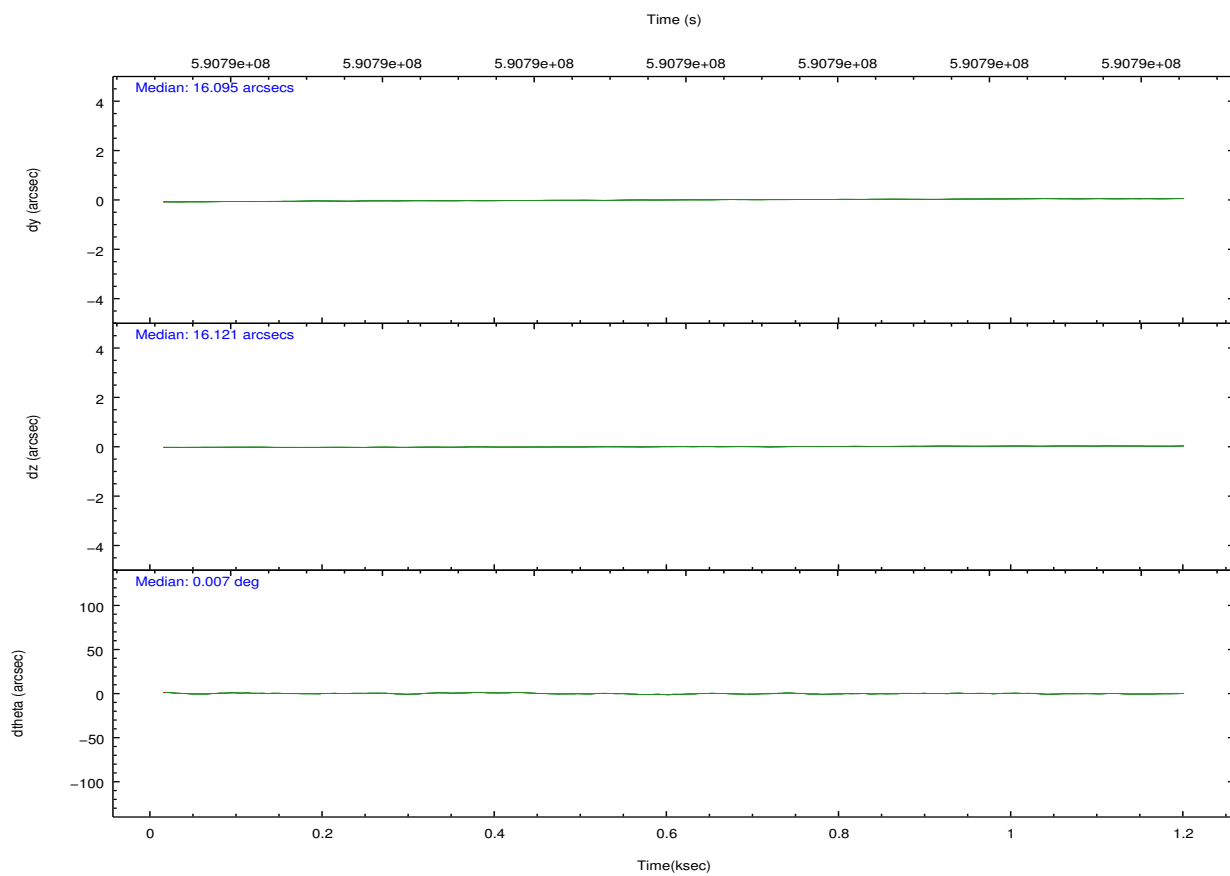
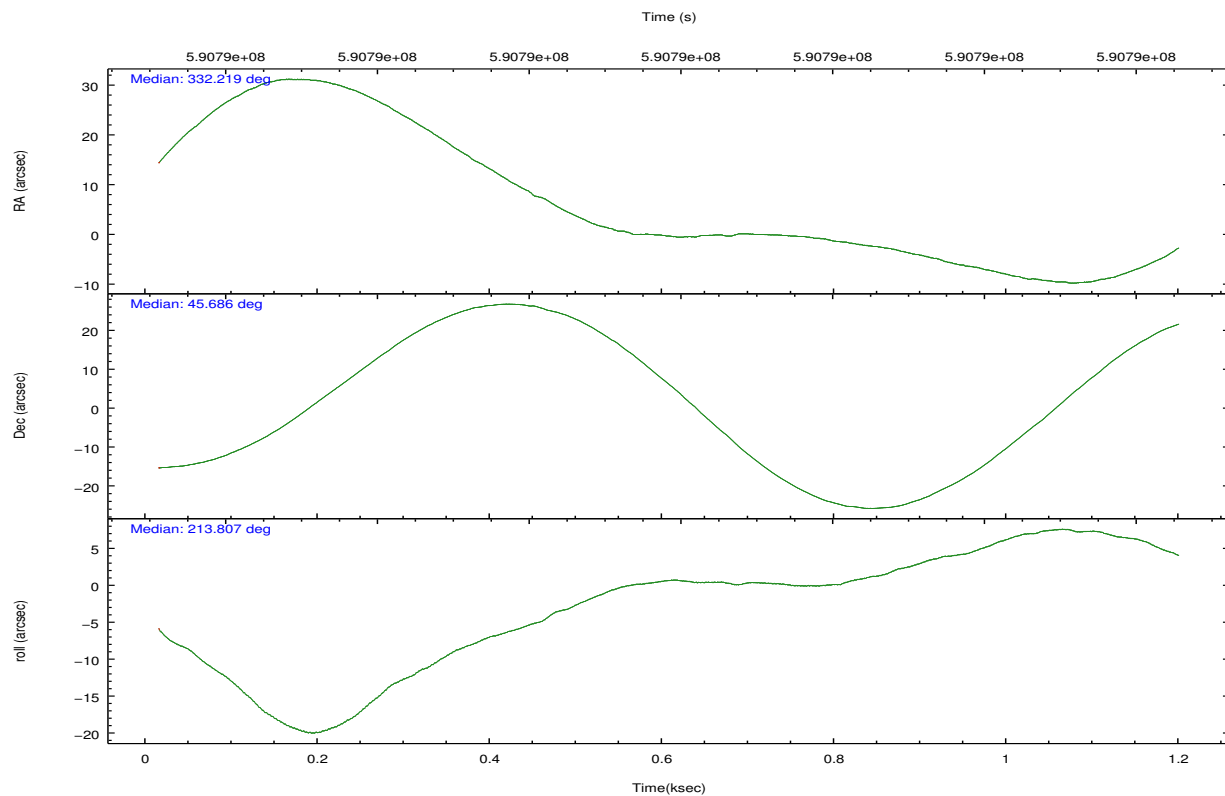
2.2 Compared Parameters

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	332.237108	332.2210033083441
[deg] Pointing Dec	45.711596	45.68654958536909
[deg] Pointing Roll	213.886651	213.8027152394929
[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)	590789577.184000	590789202.05397
Observation start date	2016-09-20T20:11:49	2016-09-20T20:06:42
[s] Observation end time (MET)	590790577.184000	590790711.36656
Observation end date	2016-09-20T20:28:29	2016-09-20T20:31:51

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

2.3 Aspect



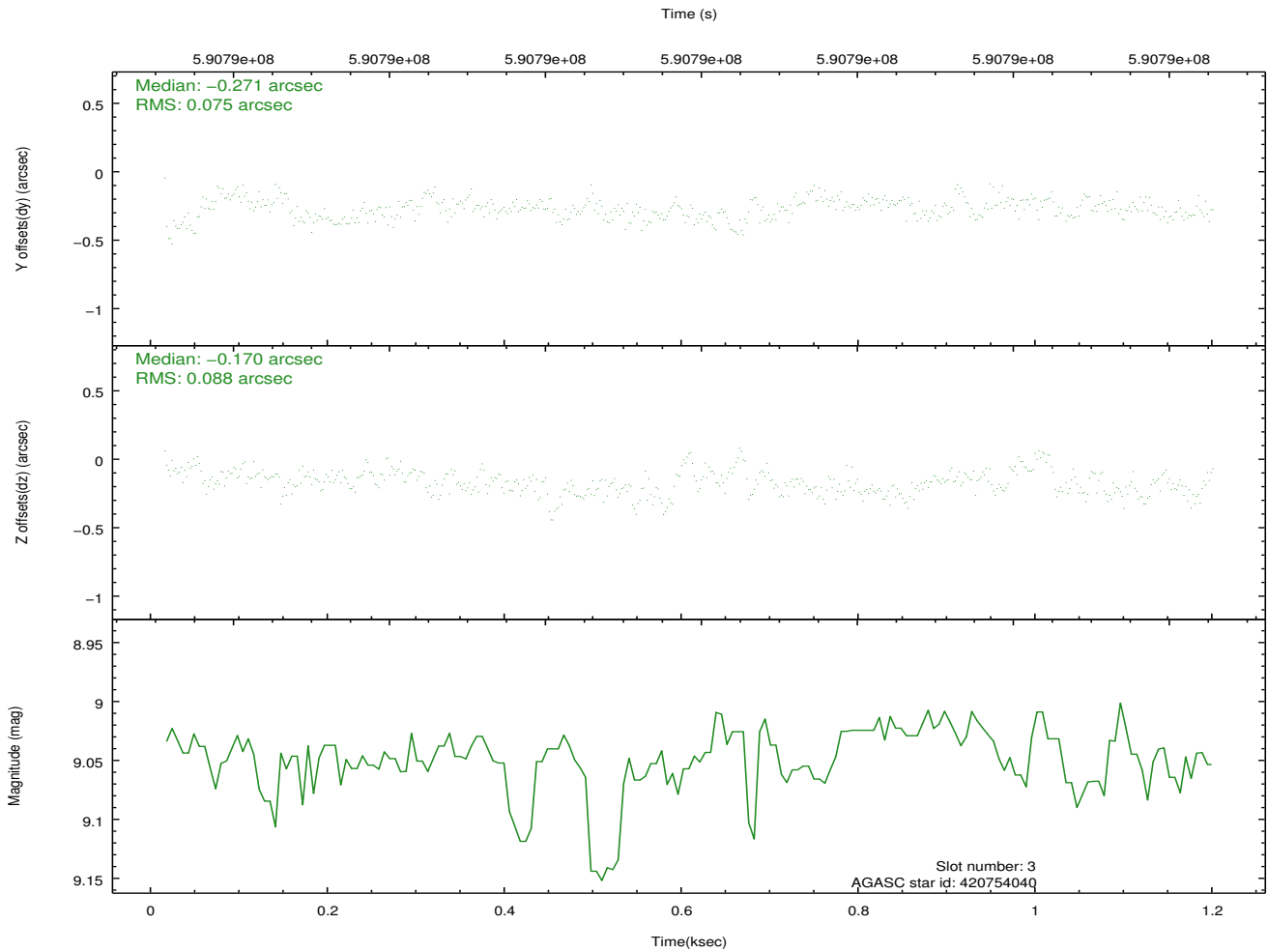
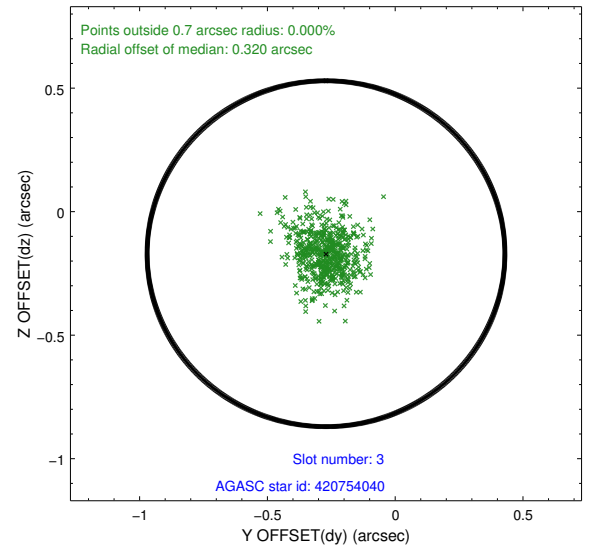
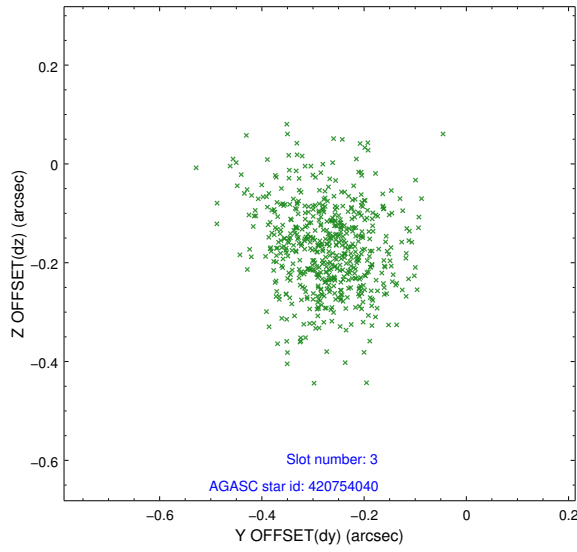


Slot Statistics

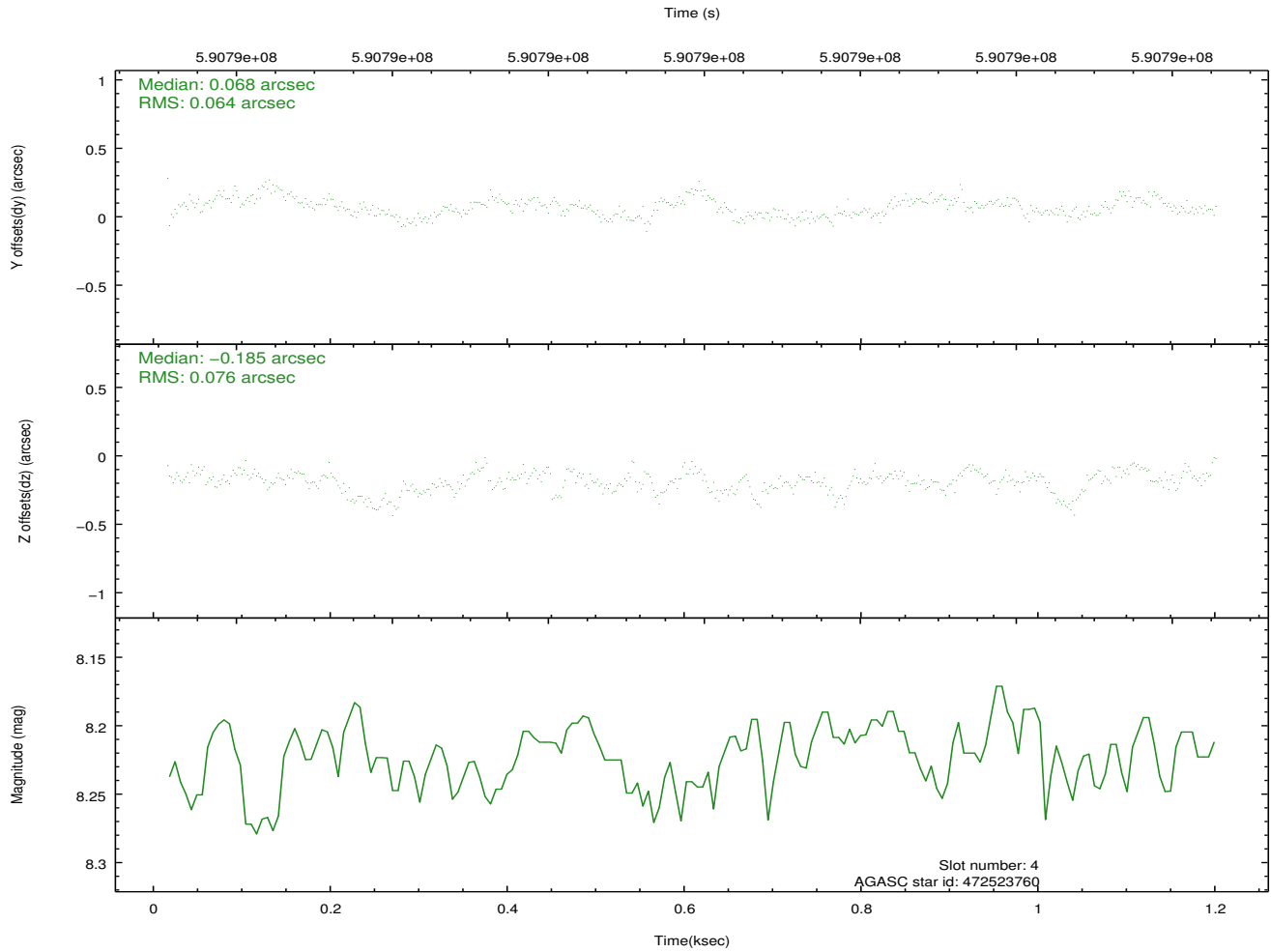
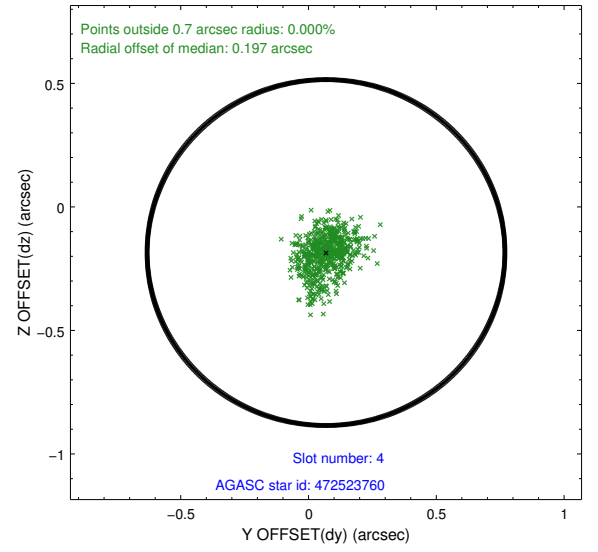
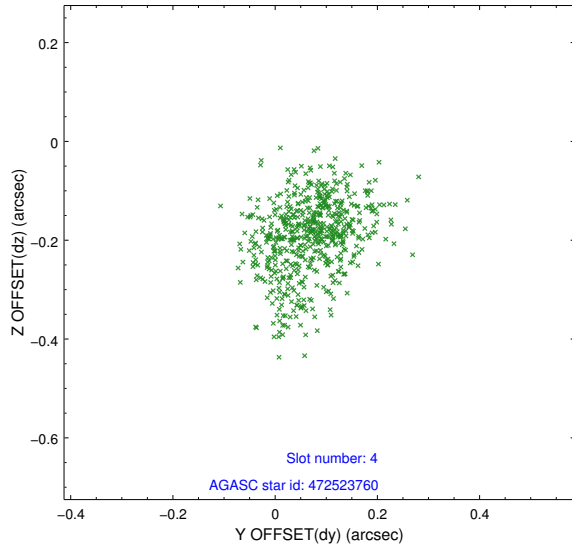
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	290	-0.204	-0.029	0.008	0.014	0.000000	0.000000	-772.09	-1304.29
1	FID		HRC-I-2	7.06	290	0.370	-0.128	0.007	0.012	0.000000	0.000000	838.46	-1310.41
2	FID		HRC-I-3	7.13	290	-0.046	0.068	0.007	0.014	0.000000	0.000000	-1197.59	995.84
3	GUIDE	used	420754040	9.05	578	-0.271	-0.170	0.120	0.210	331.917939	44.882543	2337.63	2021.57
4	GUIDE	used	472523760	8.22	579	0.068	-0.185	0.106	0.175	331.645363	45.403260	1862.36	85.03
5	GUIDE	used	472655152	9.41	574	0.257	0.148	0.182	0.307	332.504239	45.862991	-856.23	-80.51
6	GUIDE	used	472665256	8.98	579	0.459	0.160	0.144	0.253	332.808125	46.195041	-2154.92	-656.65
7	GUIDE	used	472525528	6.65	578	-0.504	0.064	0.100	0.159	331.551102	45.248694	2364.73	405.48

2.4 Star Slots

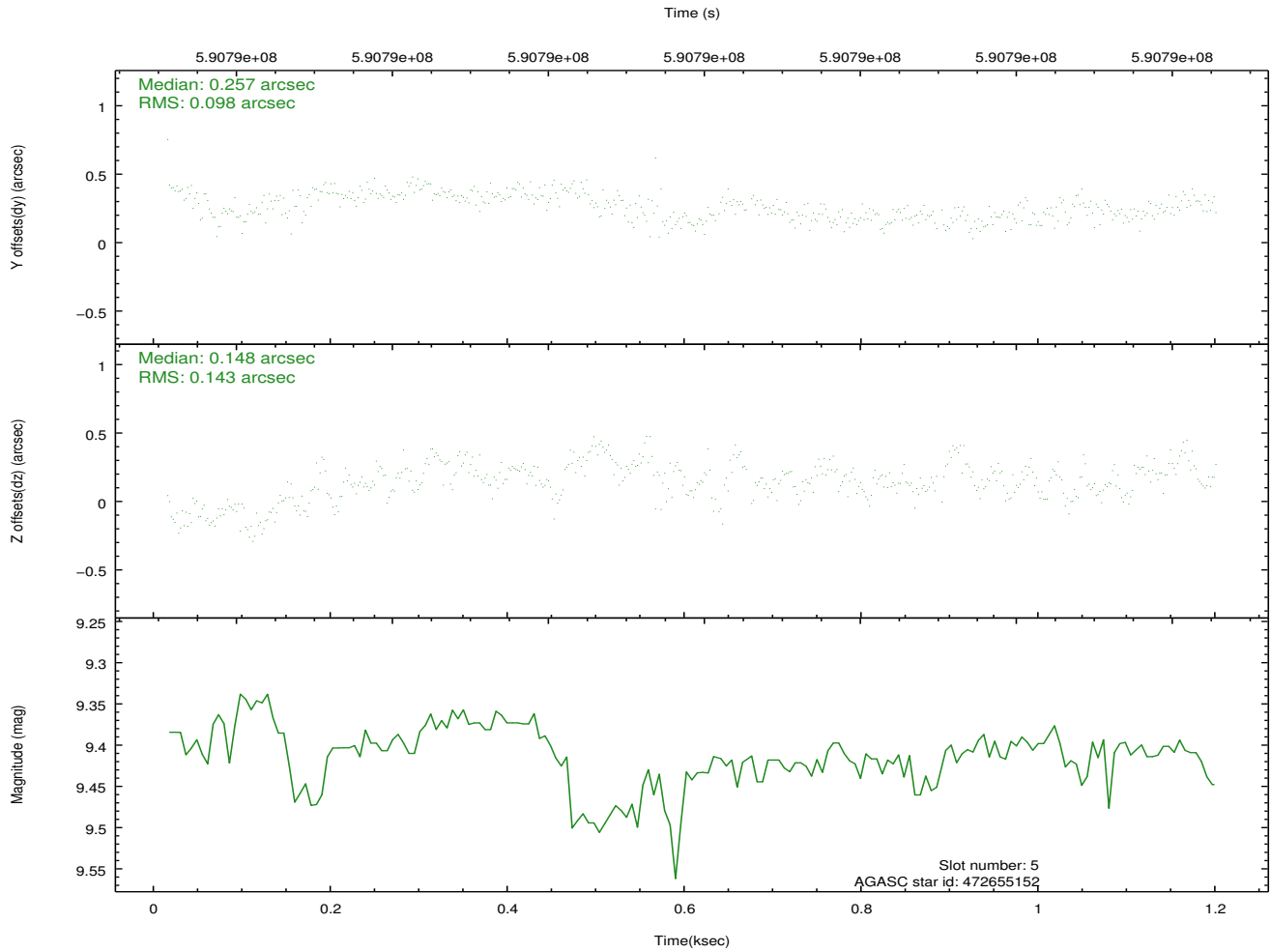
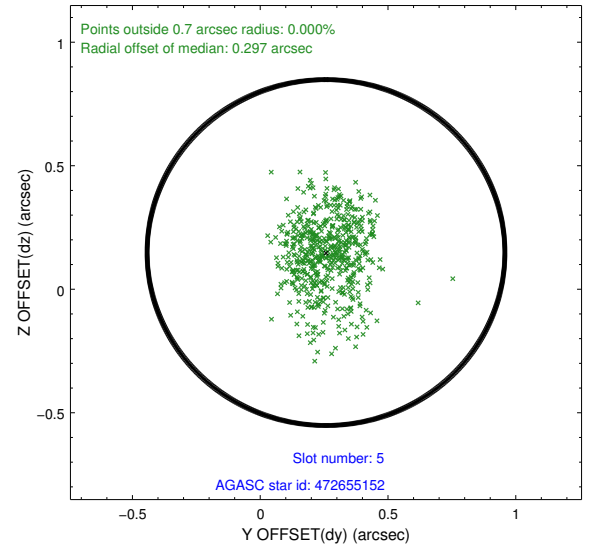
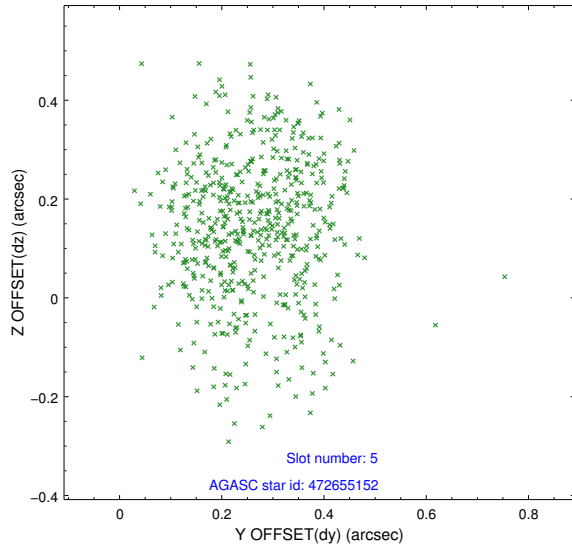
2.4.1 Slot 3



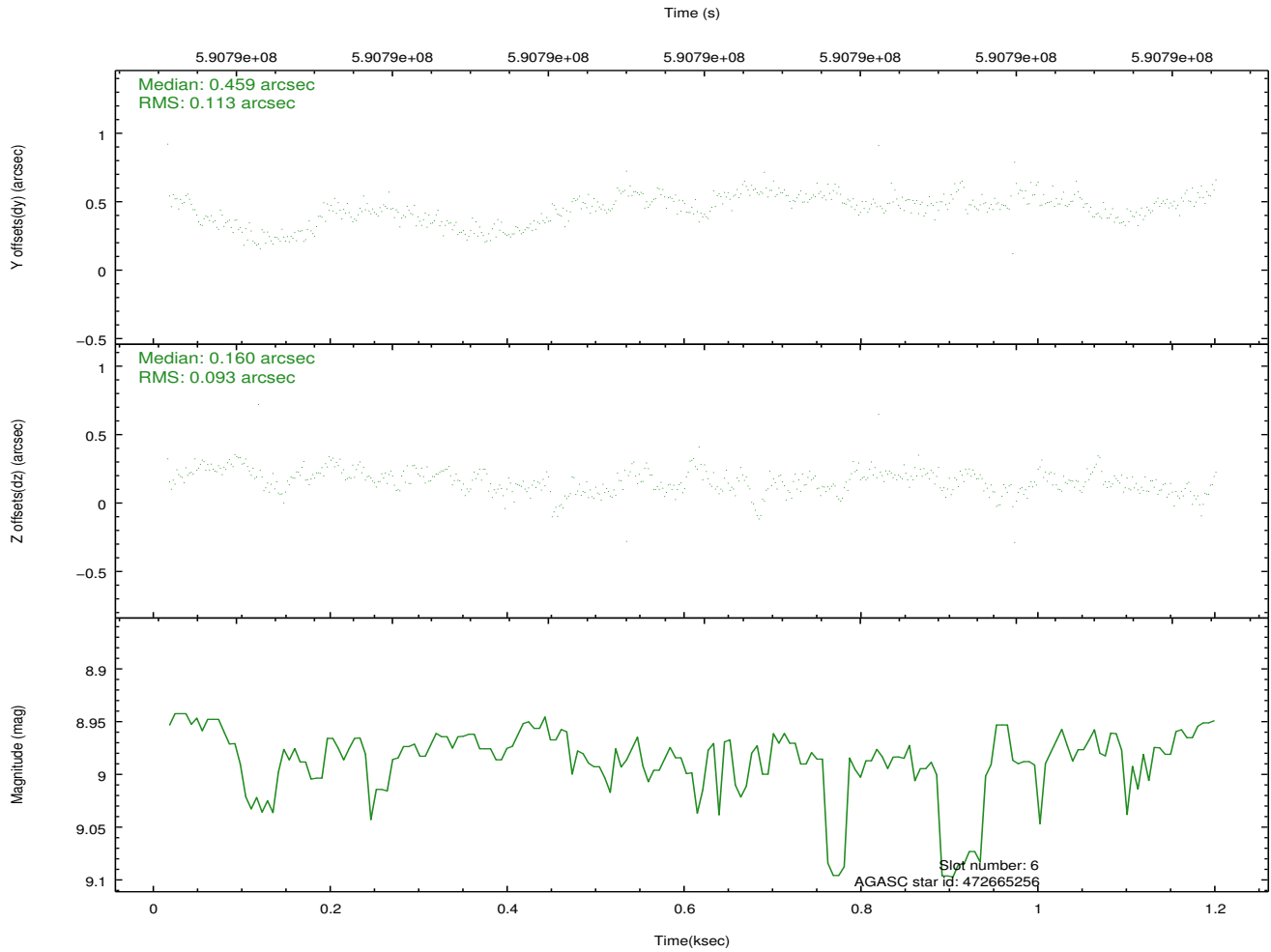
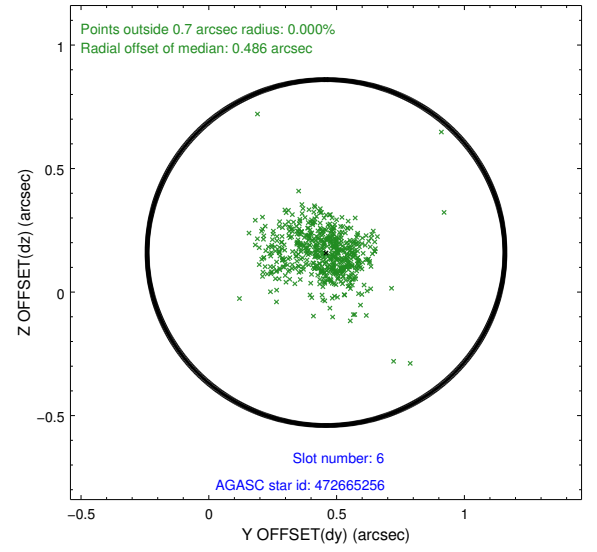
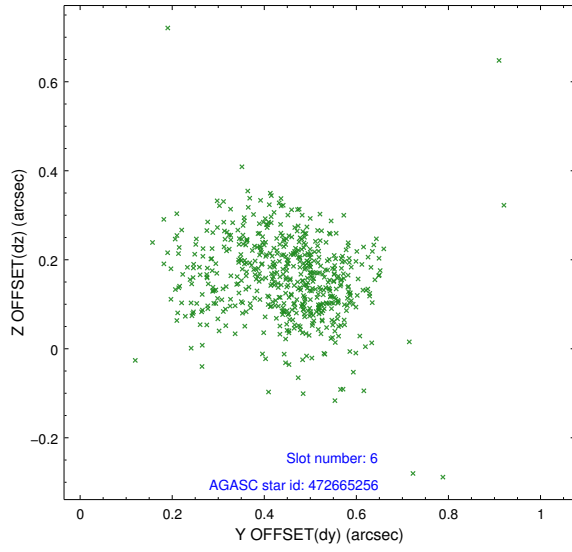
2.4.2 Slot 4



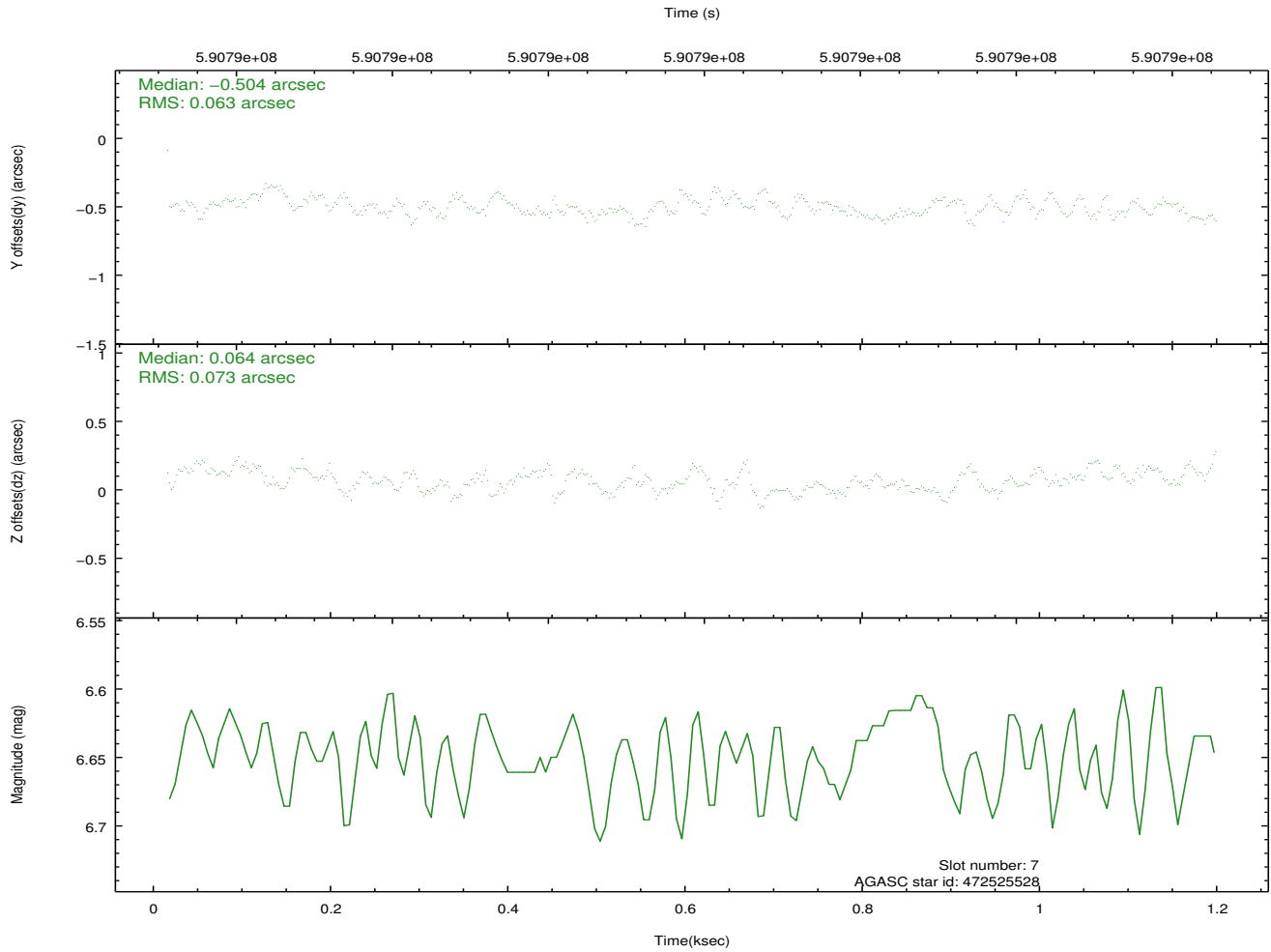
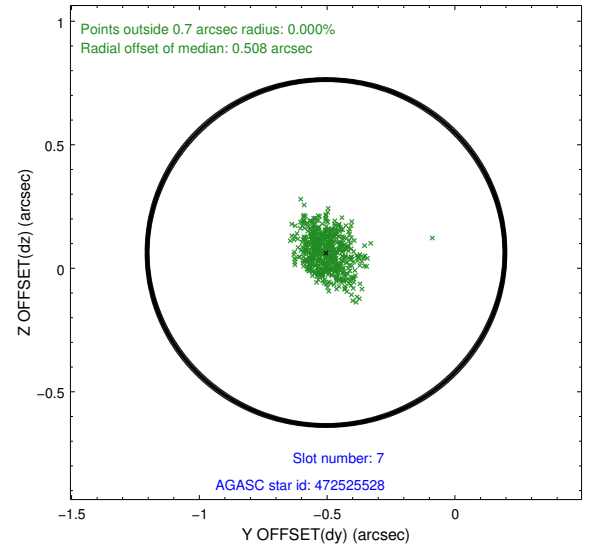
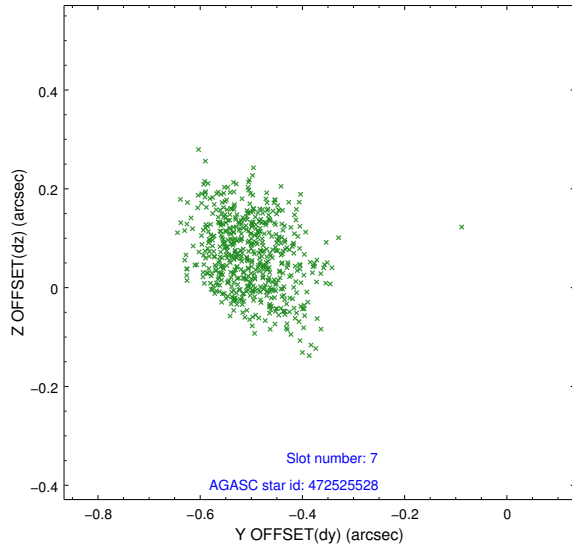
2.4.3 Slot 5



2.4.4 Slot 6

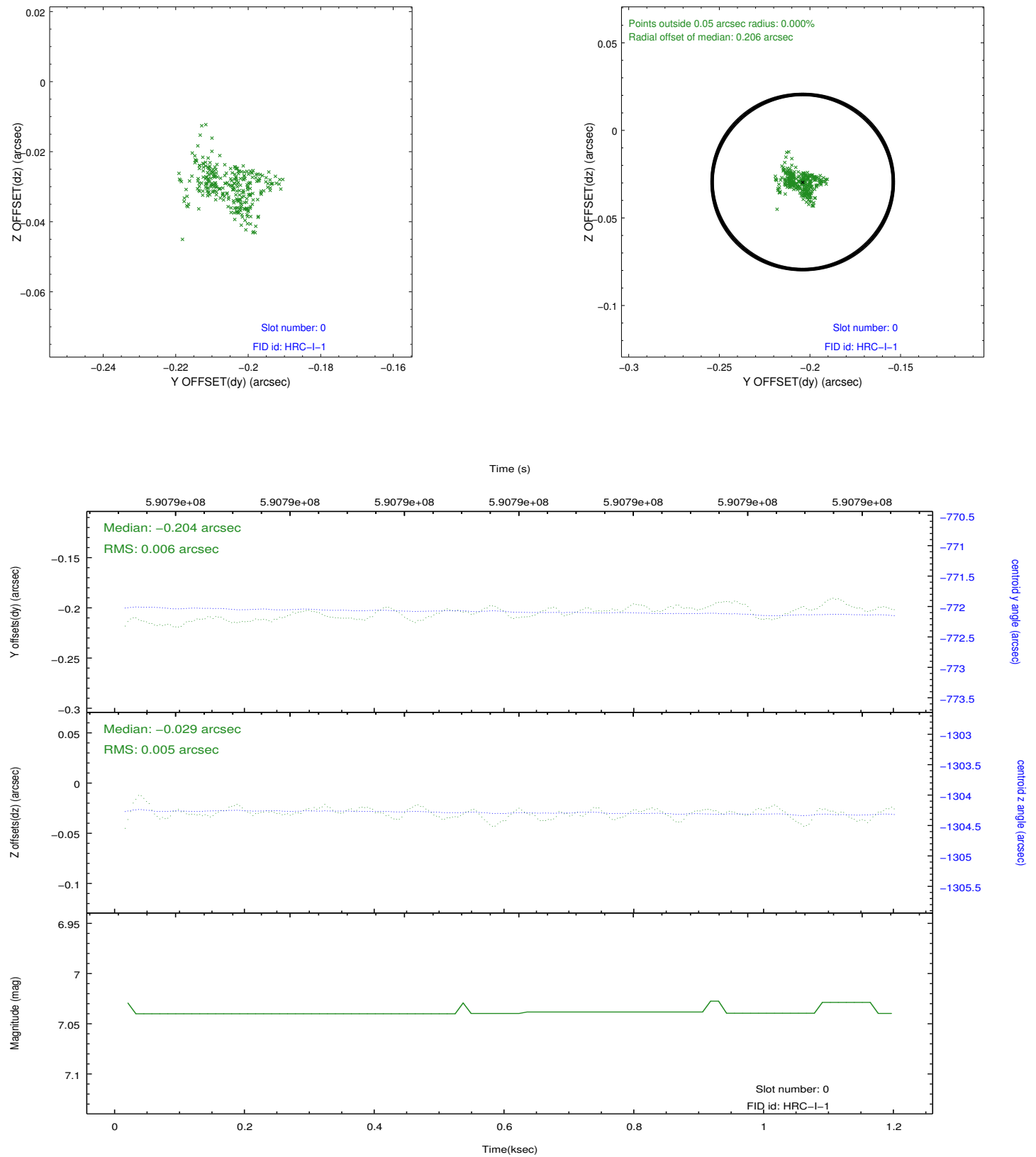


2.4.5 Slot 7

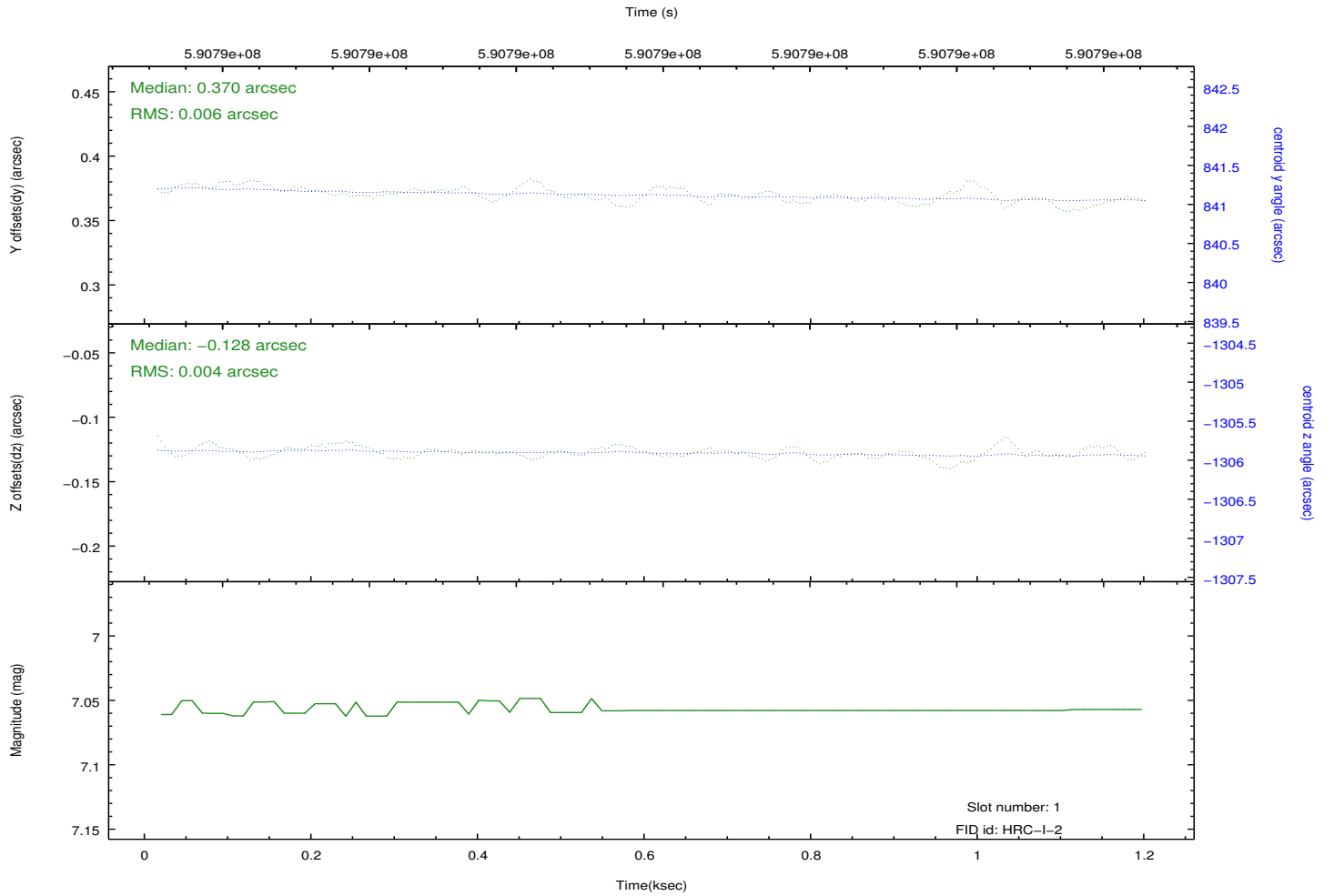
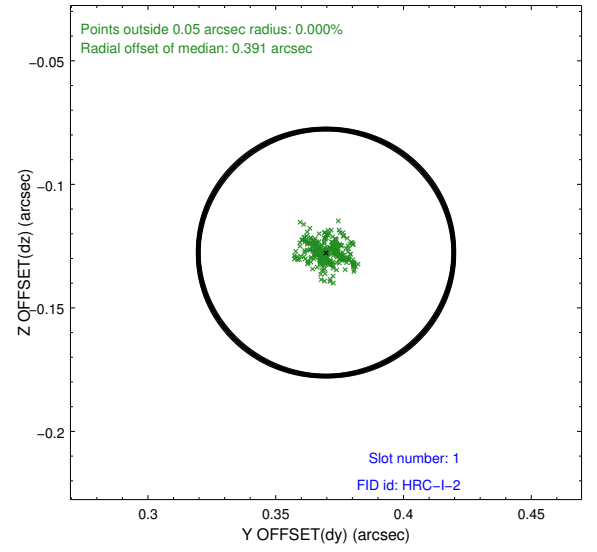
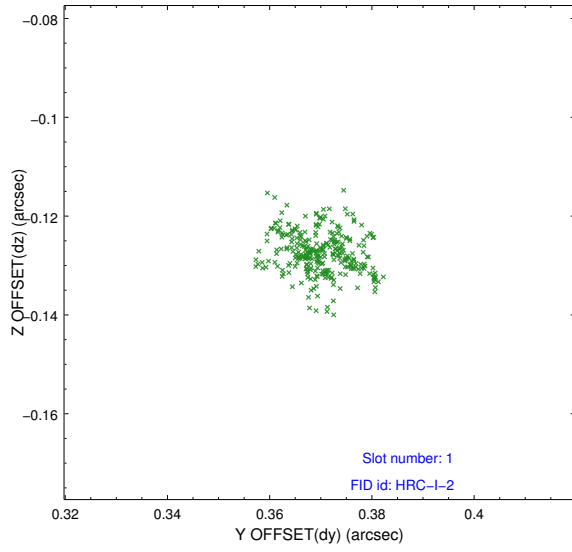


2.5 FID Slots

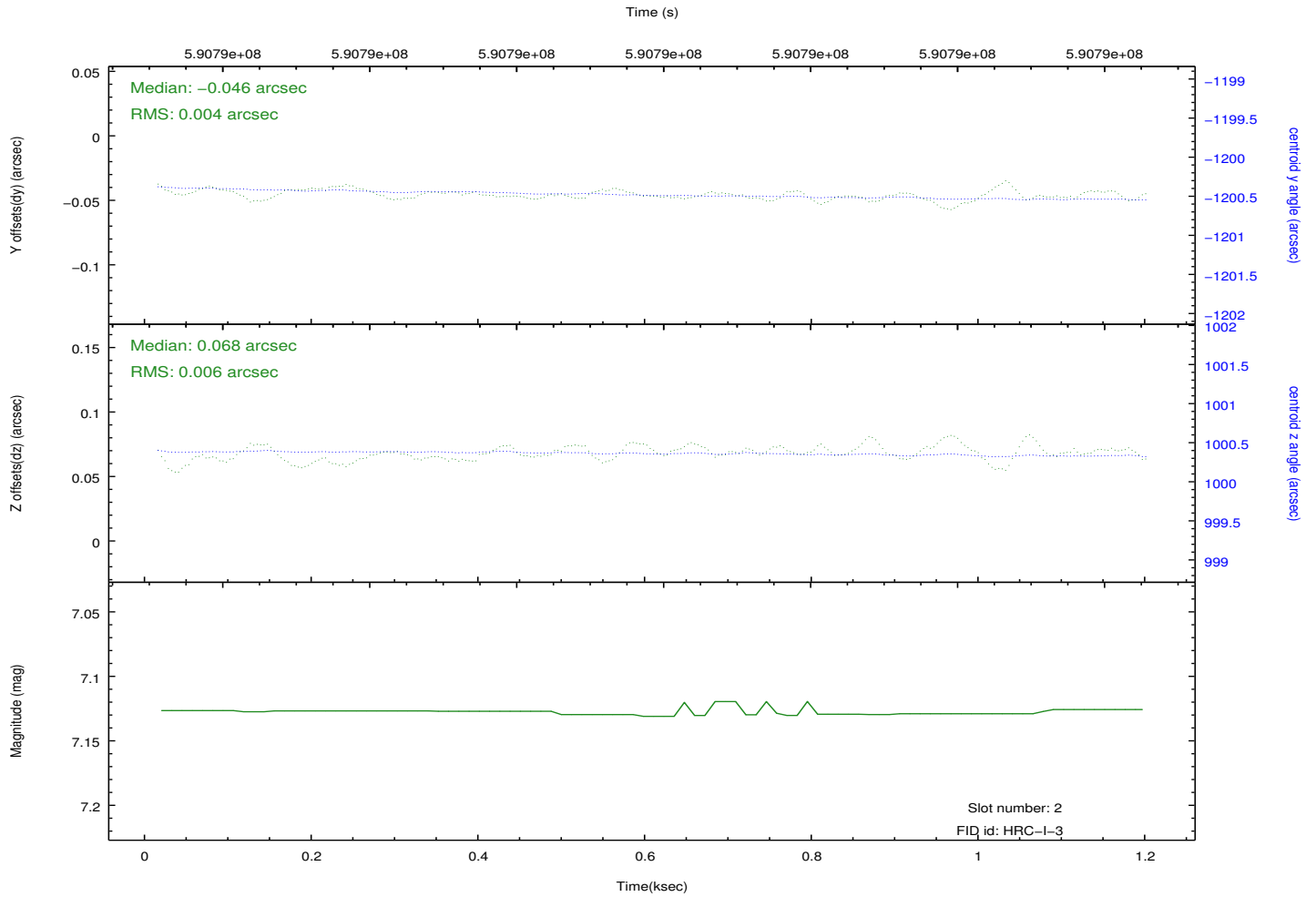
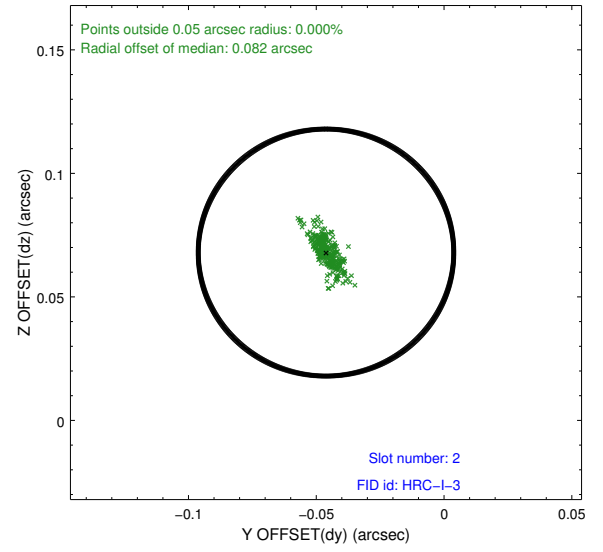
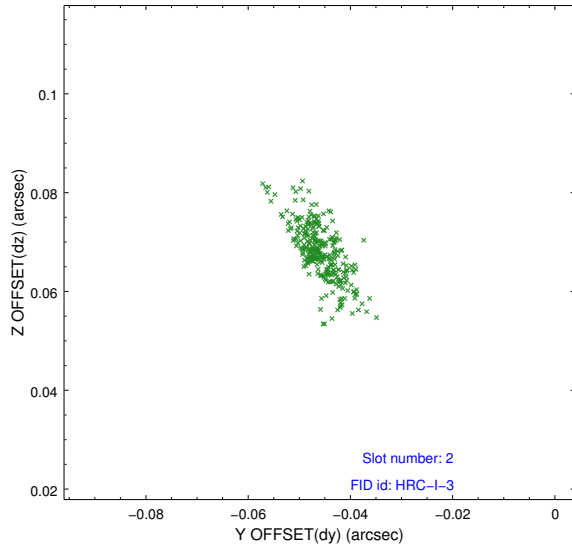
2.5.1 Slot 0



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	1.1841313182116

A.2 Comments