

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19835 - L2 Version 1
Chandra X-Ray Center

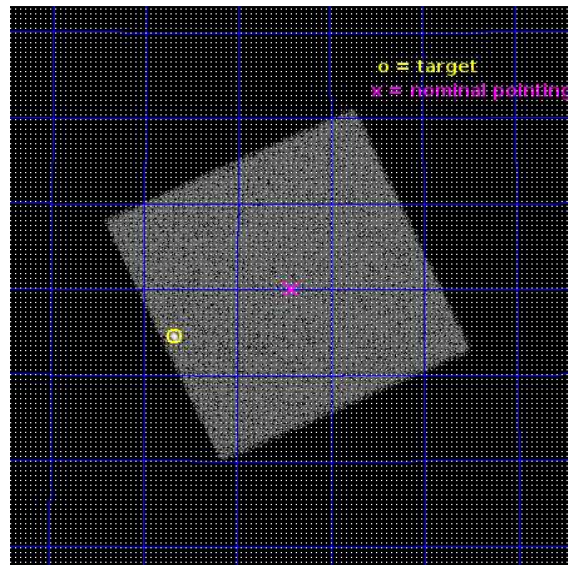
L2 Processing Date : Sep 18 2017

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1 Front

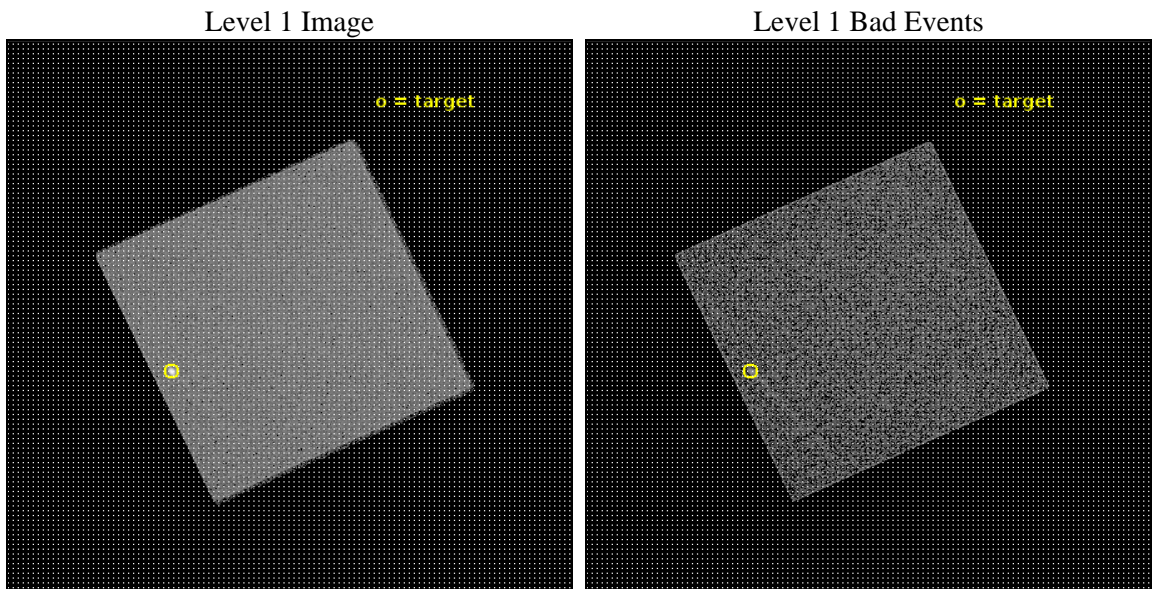
seq_num	291352	Sequence number
obs_id	19835	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.85498524952	Nominal RA [deg]
dec_nom	45.835490757632	Nominal Dec [deg]
roll_nom	200.13021164238	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313194036	[s]
livetime	1169.3519558948	Ontime multiplied by DTCOR
l2events	128181	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	1184.1313194036	[s]
caldsver	4.7.6	 	l1events	375111	Number of level 1 events
date	2017-09-18T03:52:59	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

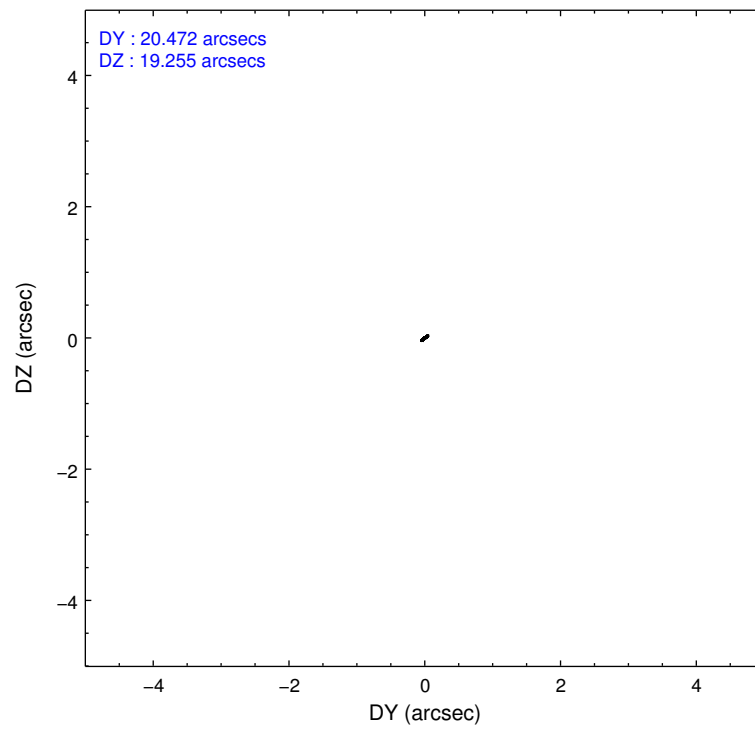
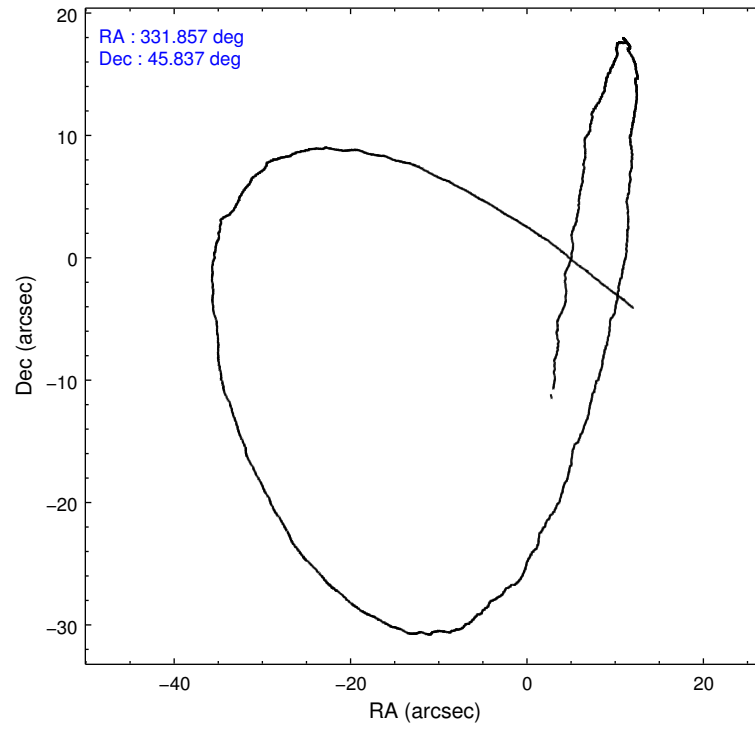
	segment 0
level 1 events	375111
rejected events	207301
rejected %	55%

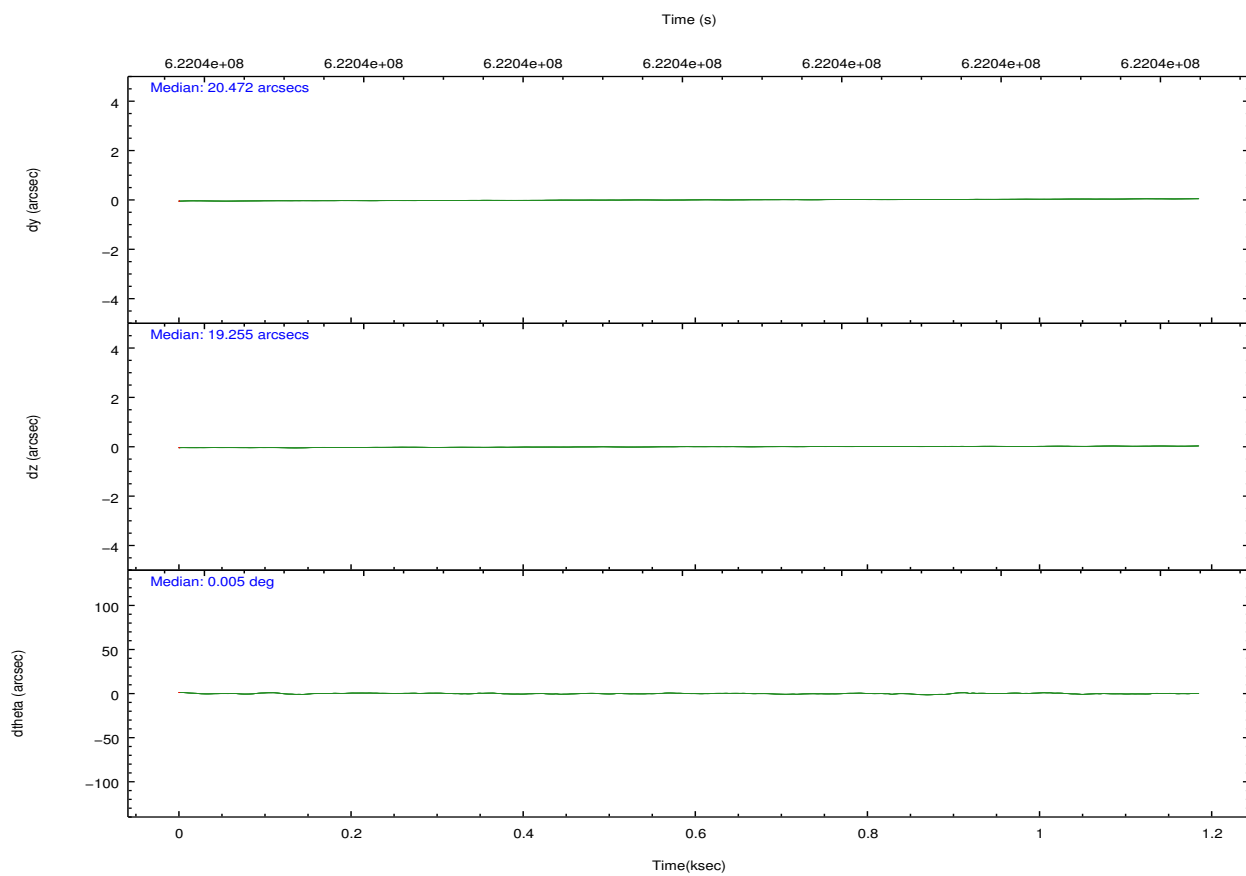
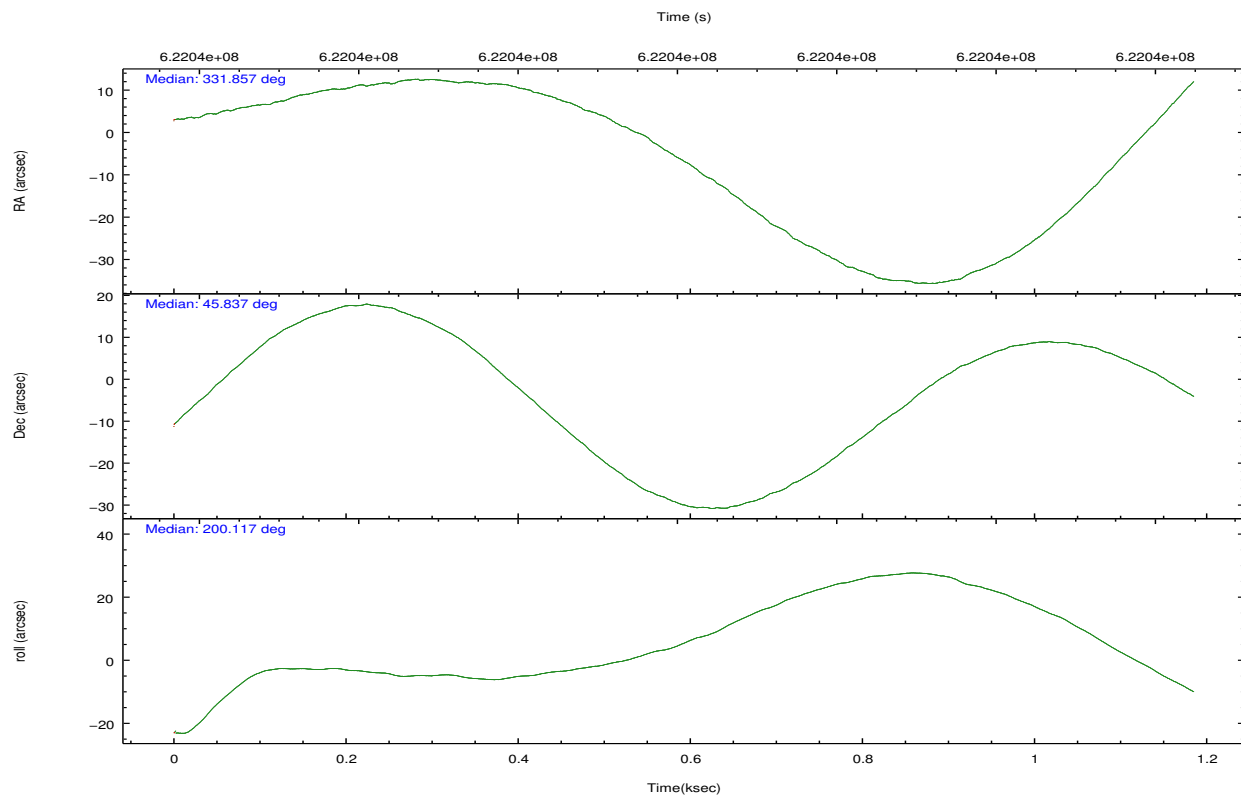
2.2 Compared Parameters

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	331.879721	331.8549852495225
[deg] Pointing Dec	45.855730	45.83549075763168
[deg] Pointing Roll	200.208294	200.130211642383
[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)	622036187.184000	622035626.74225
Observation start date	2017-09-17T11:48:38	2017-09-17T11:40:26
[s] Observation end time (MET)	622037187.184000	622038326.07991
Observation end date	2017-09-17T12:05:18	2017-09-17T12:25:26

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

2.3 Aspect



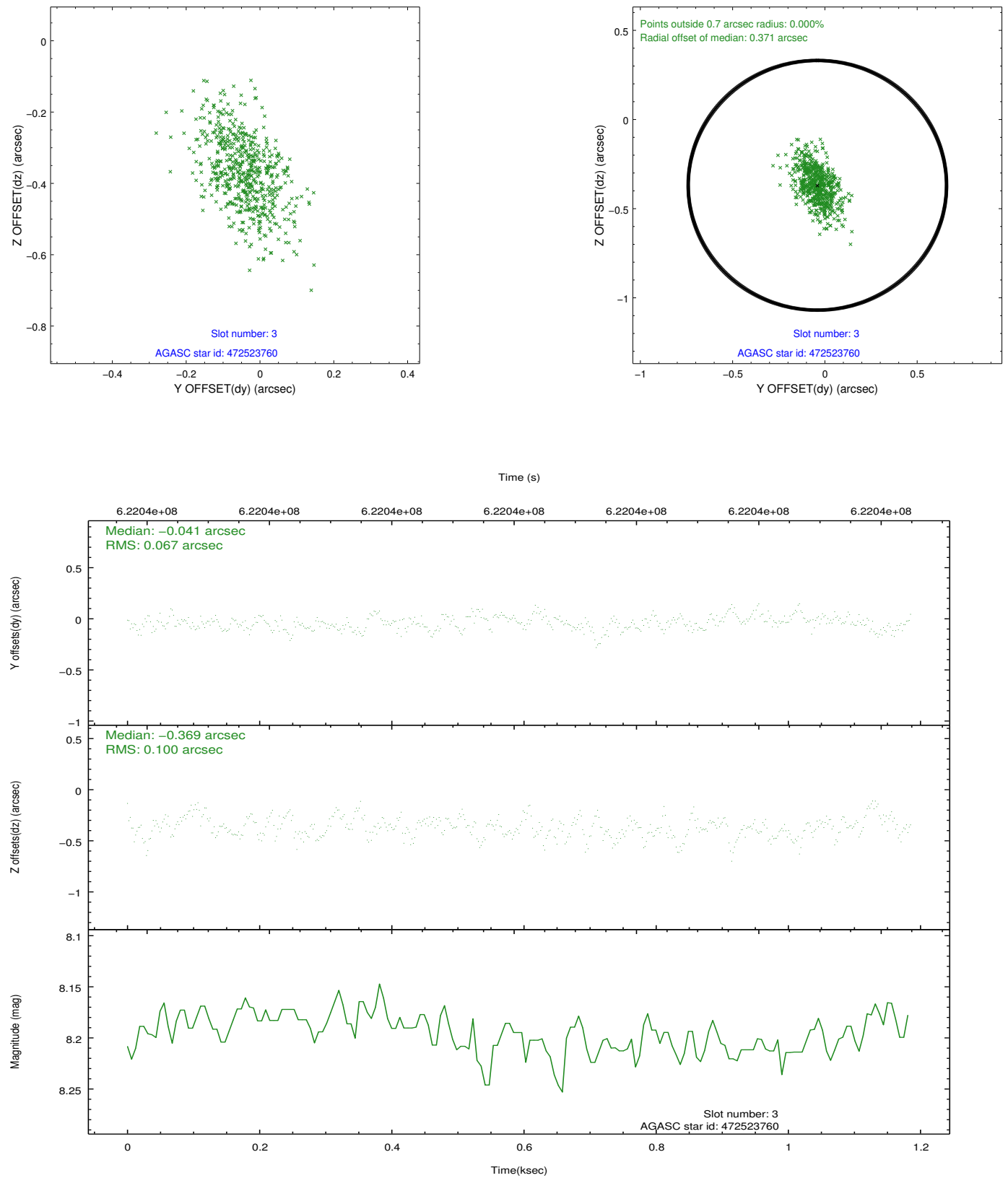


Slot Statistics

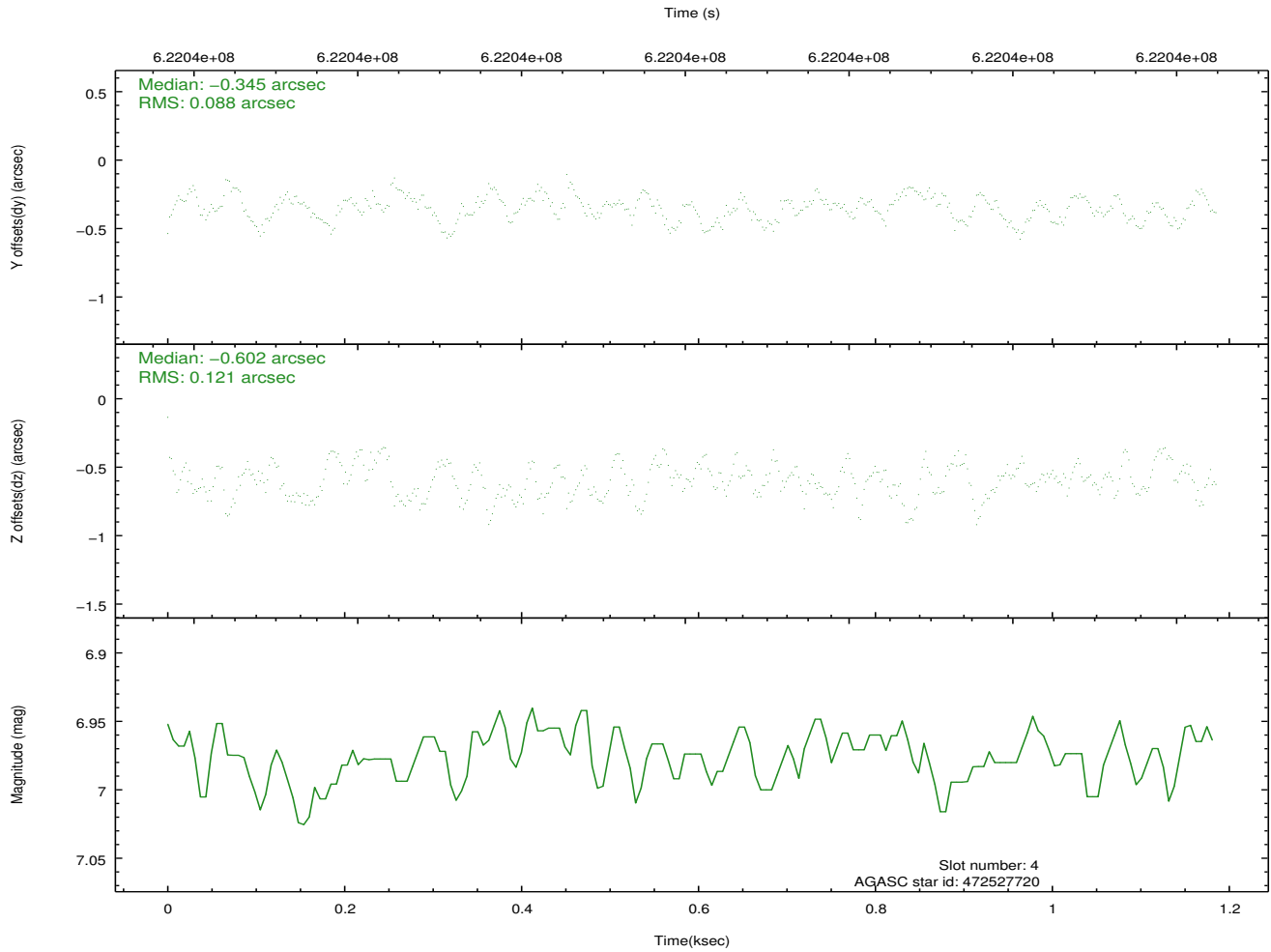
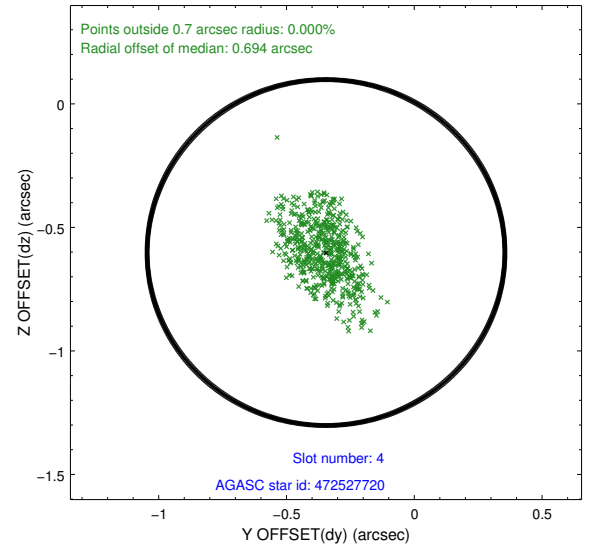
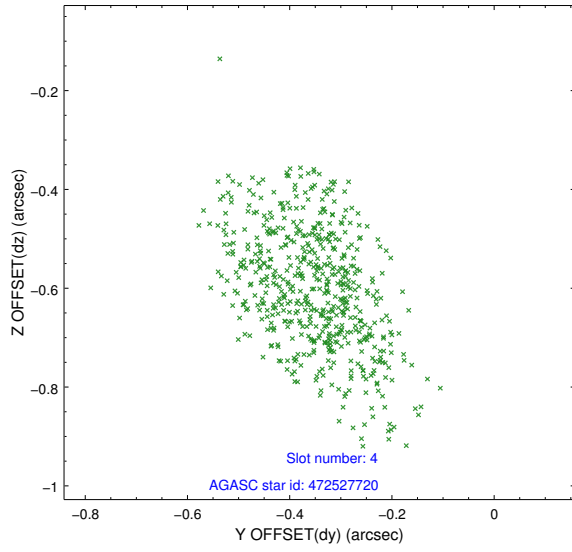
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	290	-0.214	-0.022	0.007	0.013	0.000000	0.000000	-776.55	-1307.53
1	FID		HRC-I-2	7.06	290	0.332	-0.075	0.006	0.009	0.000000	0.000000	833.94	-1313.56
2	FID		HRC-I-3	7.12	290	0.002	0.008	0.006	0.010	0.000000	0.000000	-1202.08	992.51
3	GUIDE	used	472523760	8.19	579	-0.041	-0.369	0.119	0.224	331.645363	45.403260	1119.20	1327.23
4	GUIDE	used	472527720	6.97	579	-0.345	-0.602	0.158	0.261	331.460205	45.112509	1925.72	2146.39
5	GUIDE	used	472535576	7.83	579	-0.087	0.181	0.118	0.206	331.438373	46.291802	491.63	-1847.21
6	GUIDE	used	472536328	8.10	579	0.094	0.448	0.138	0.259	331.496671	46.454831	148.20	-2352.90
7	GUIDE	used	472533912	9.12	578	0.399	0.346	0.179	0.302	331.791136	46.368695	-429.41	-1808.81

2.4 Star Slots

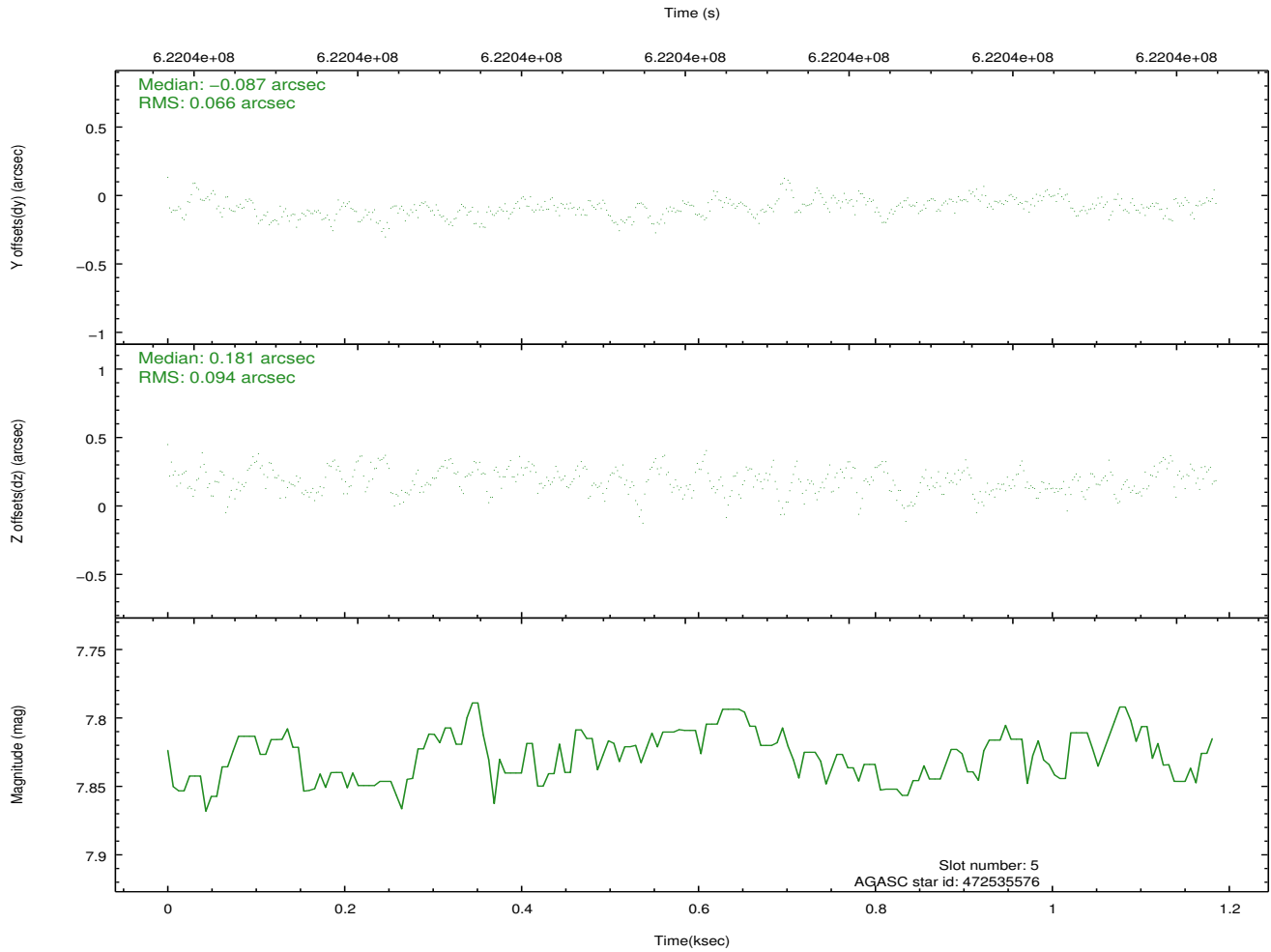
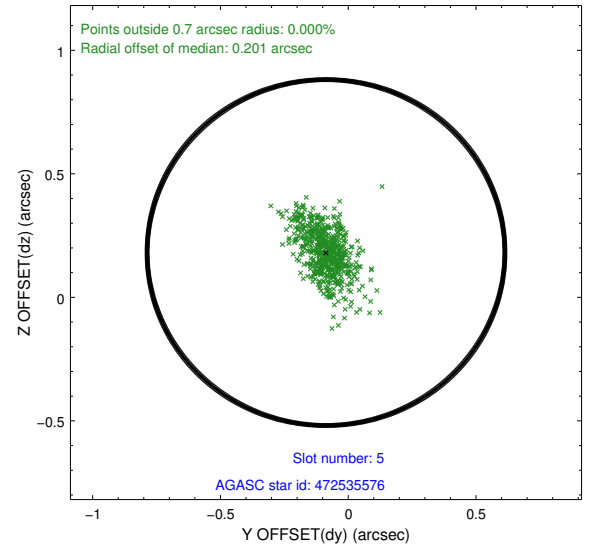
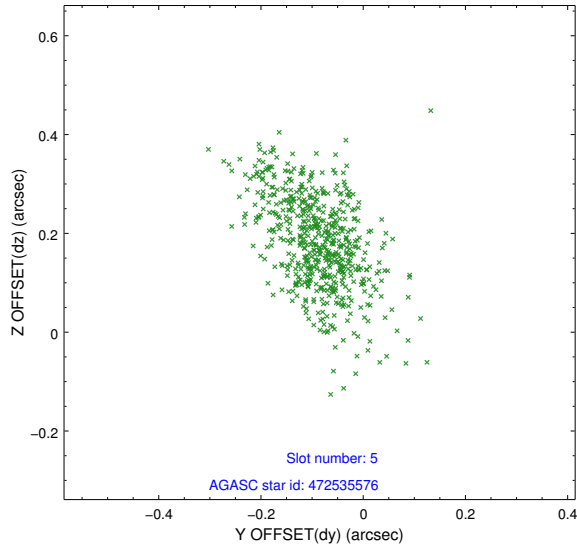
2.4.1 Slot 3



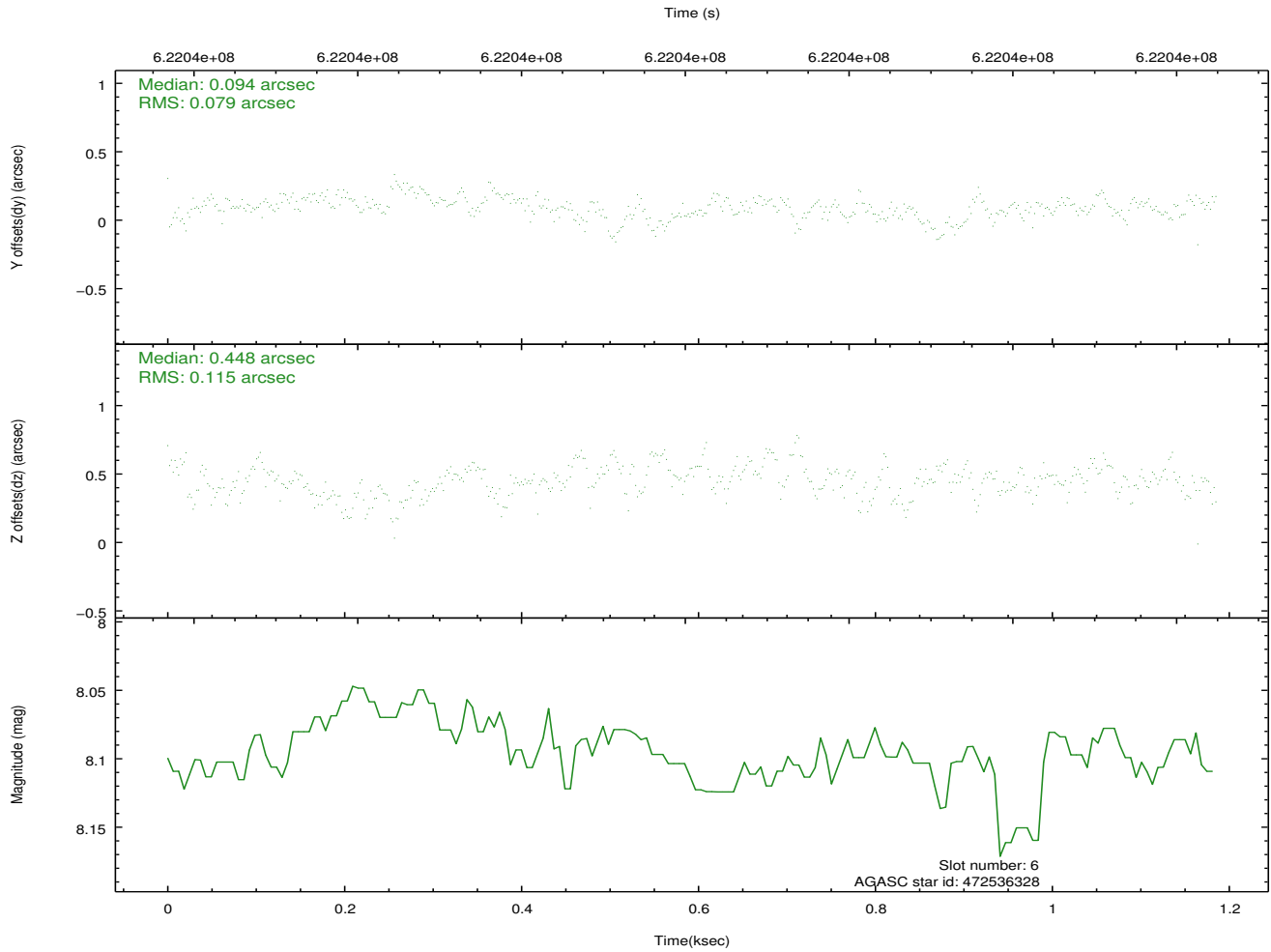
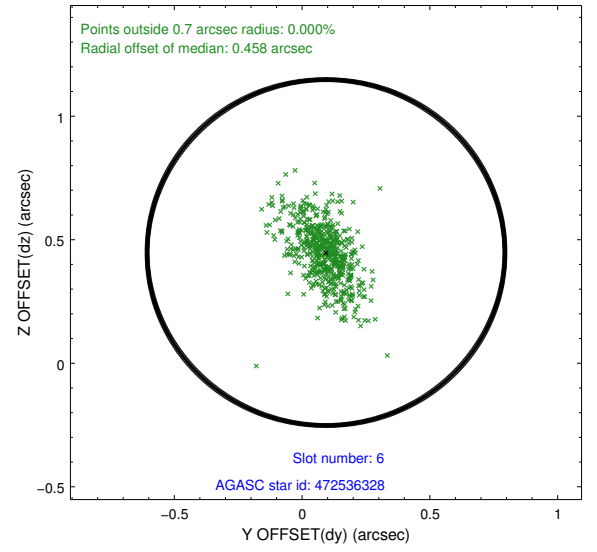
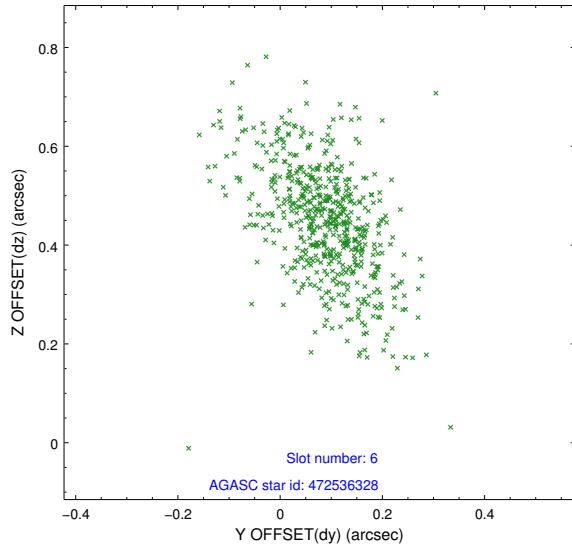
2.4.2 Slot 4



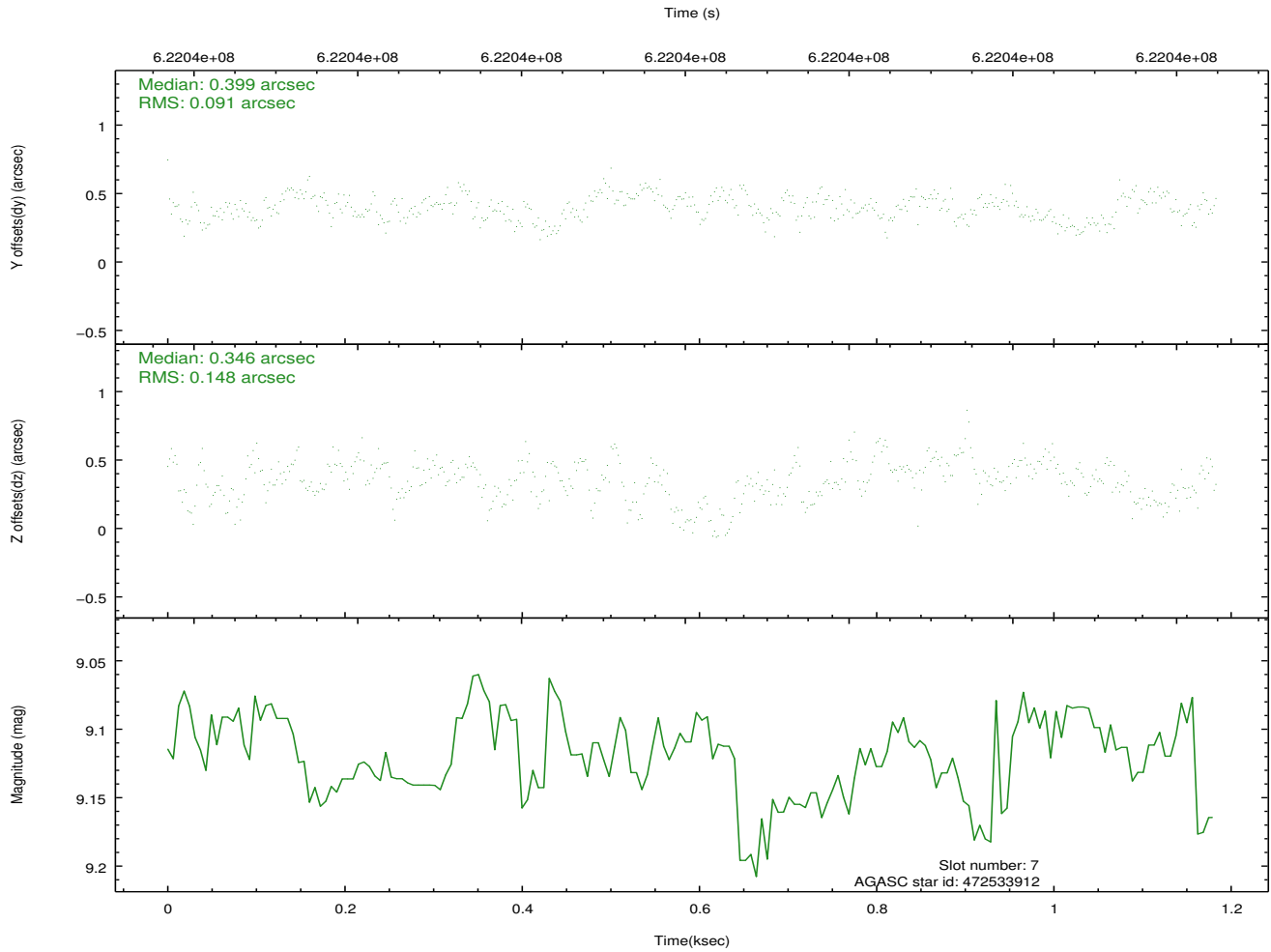
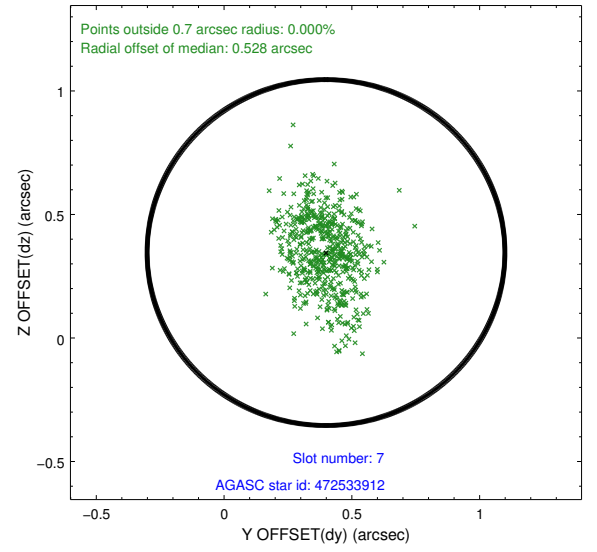
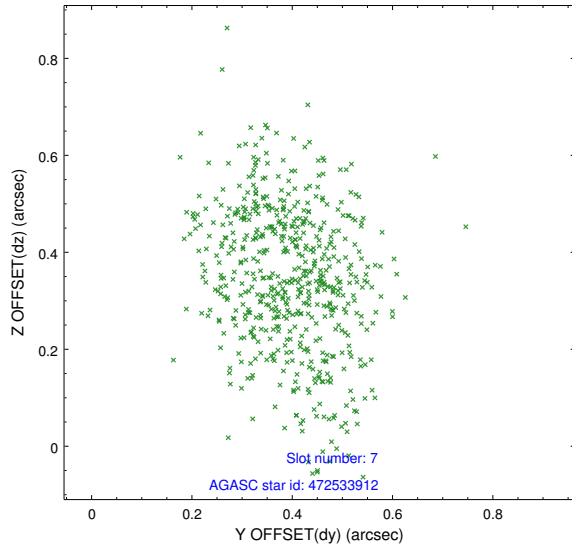
2.4.3 Slot 5



2.4.4 Slot 6

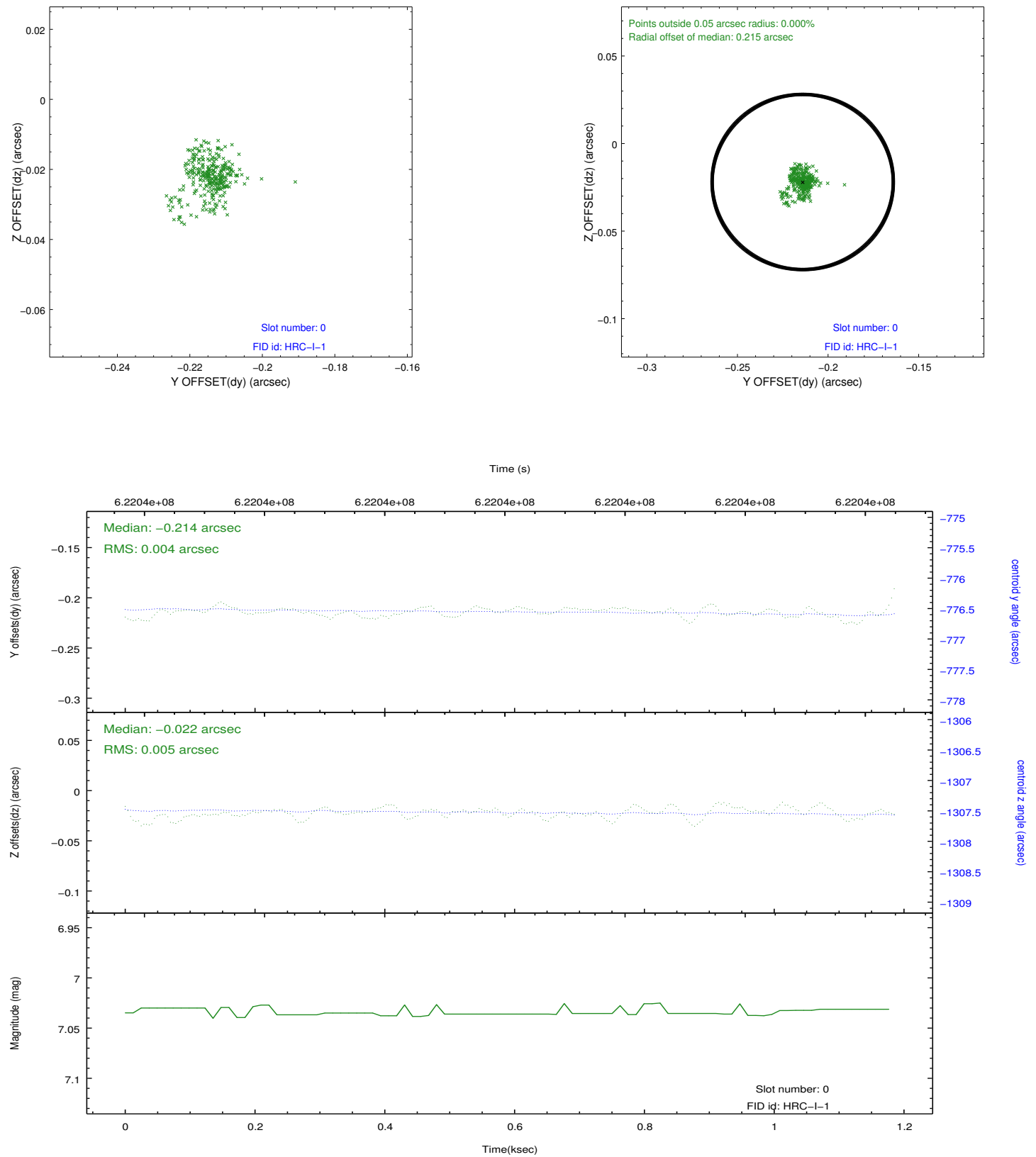


2.4.5 Slot 7

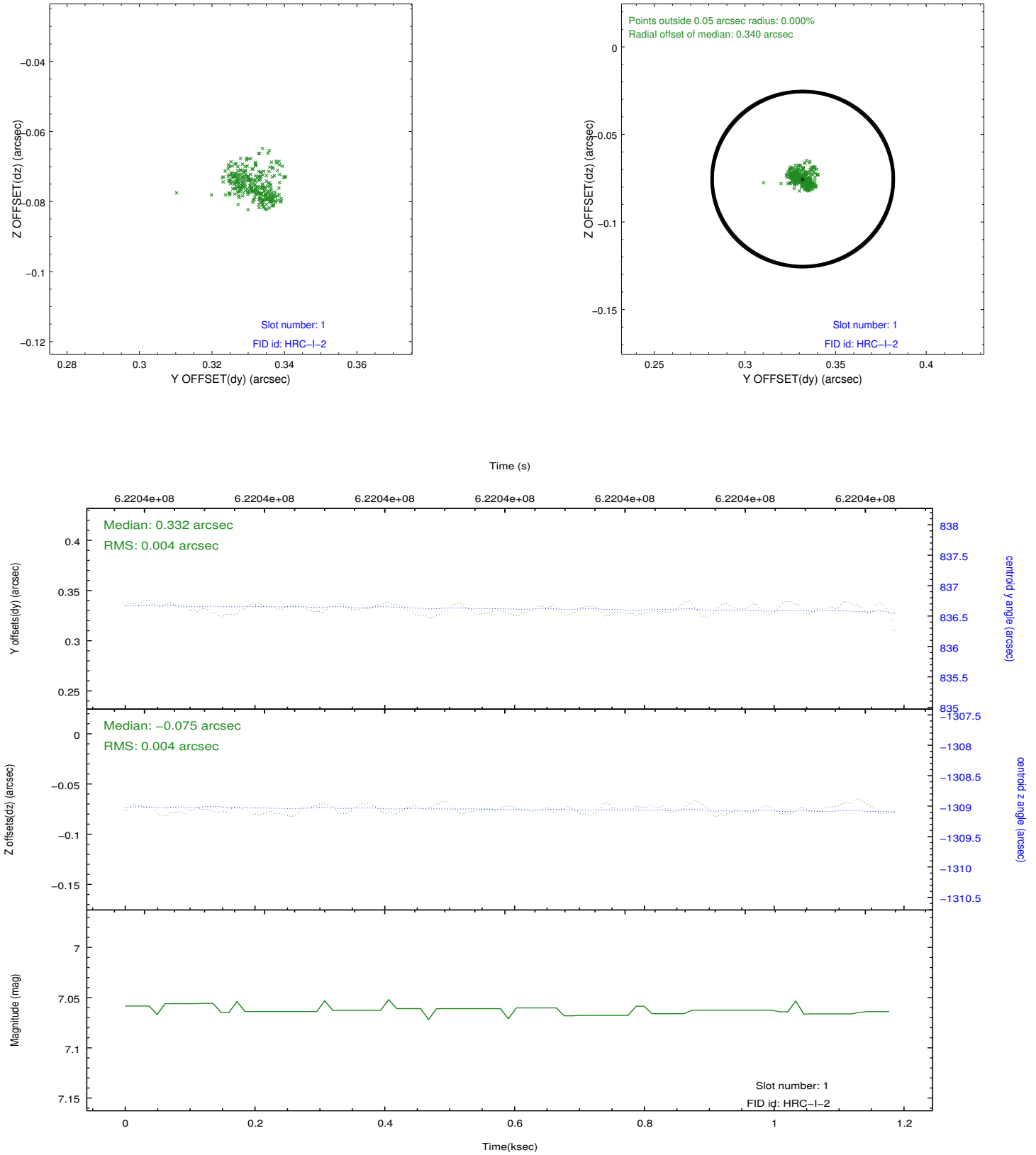


2.5 FID Slots

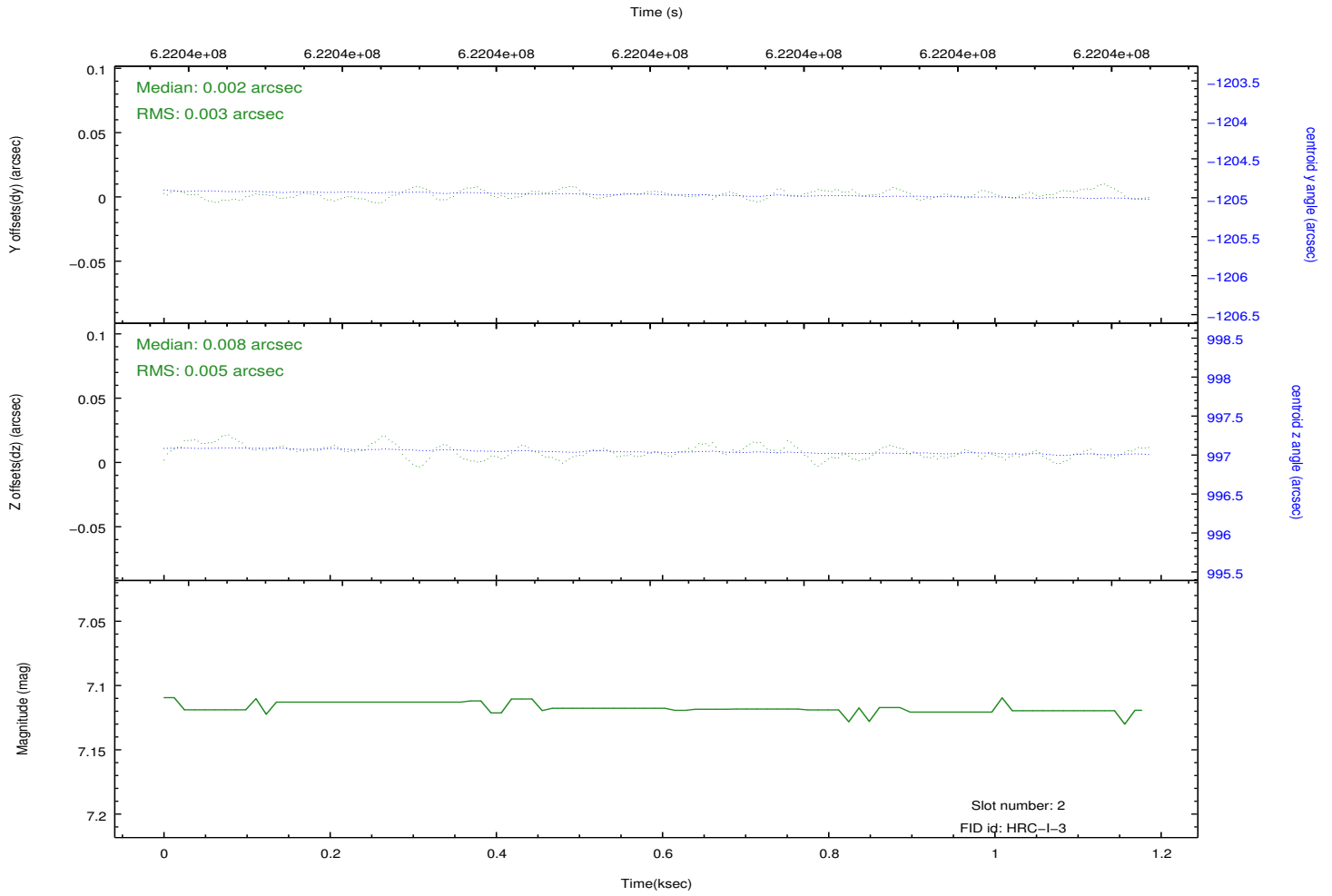
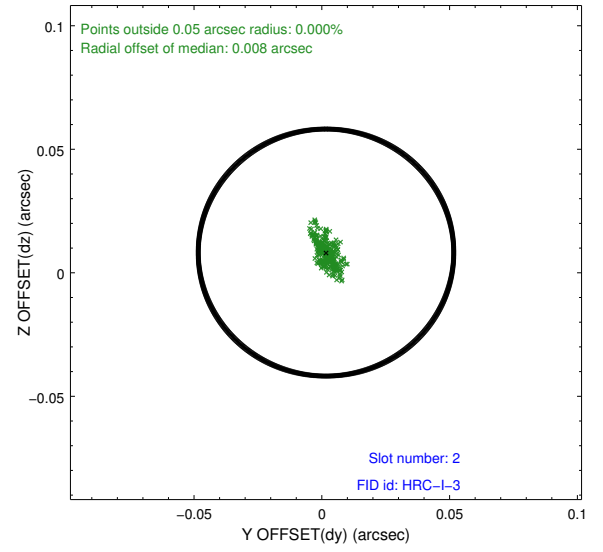
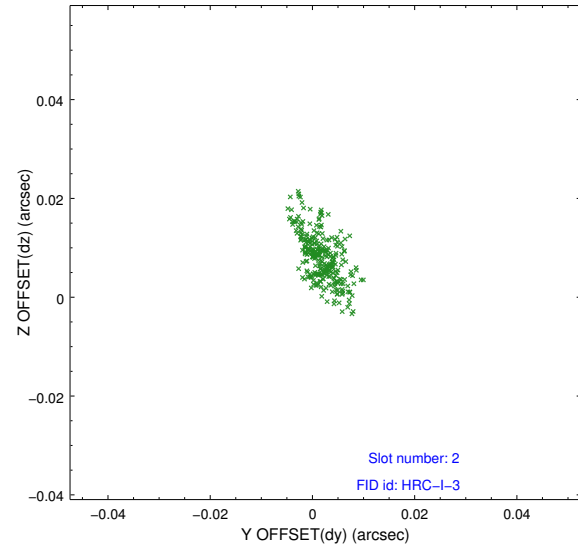
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313194036

A.2 Comments