

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19828 - L2 Version 1
Chandra X-Ray Center

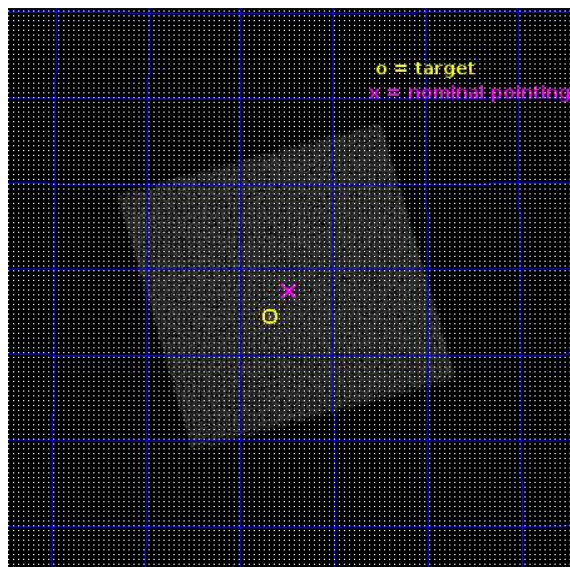
L2 Processing Date : Sep 17 2017

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1 Front

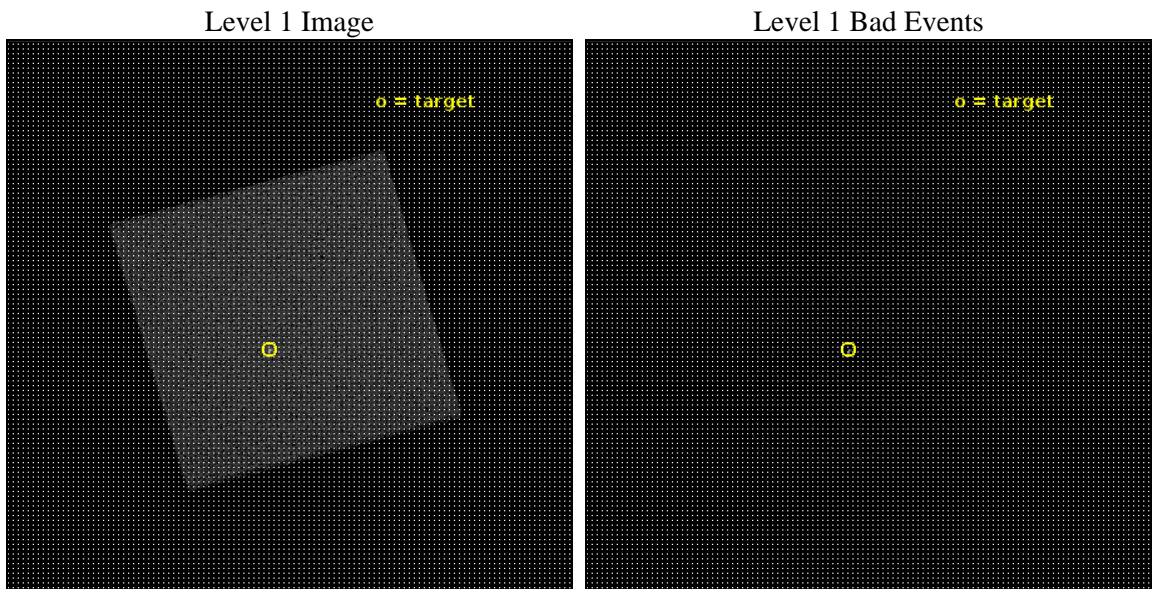
seq_num	291345	Sequence number
obs_id	19828	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11707677454	Nominal RA [deg]
dec_nom	45.792821162221	Nominal Dec [deg]
roll_nom	209.22166780374	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.9313185215	[s]
livetime	1161.1054565033	Ontime multiplied by DTCOR
l2events	130580	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	1175.9313185215	[s]
caldbver	4.7.6	 	l1events	217687	Number of level 1 events
date	2017-09-17T15:34:20	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

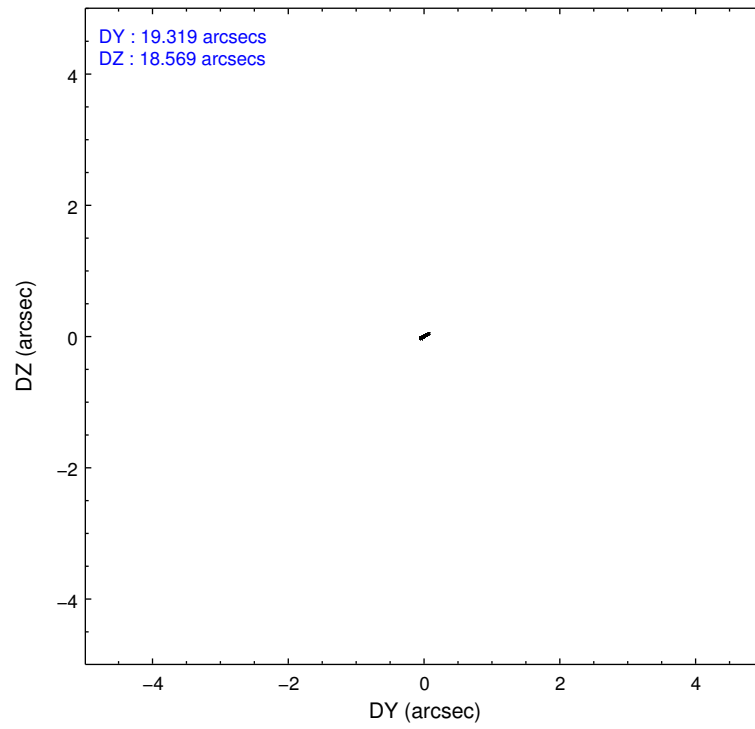
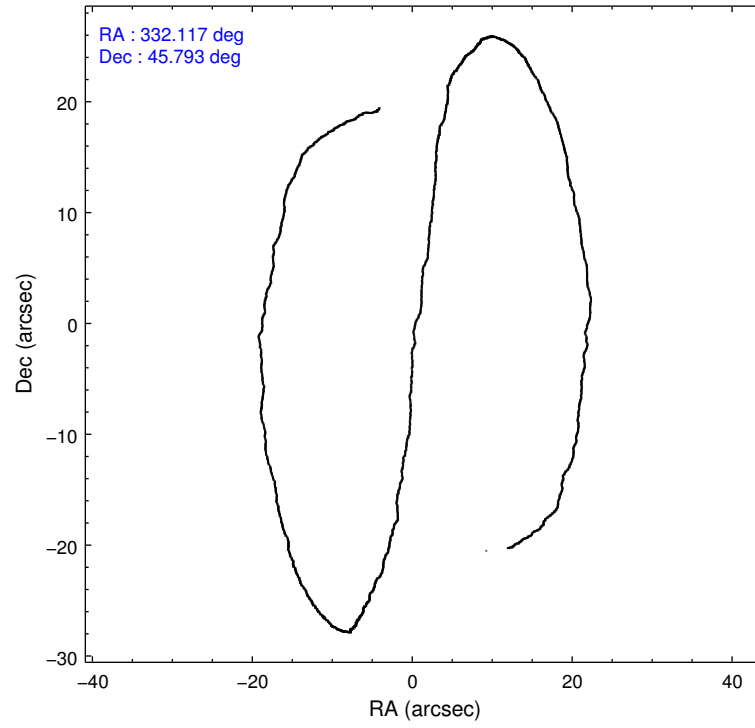
	segment 0
level 1 events	217687
rejected events	47860
rejected %	21%

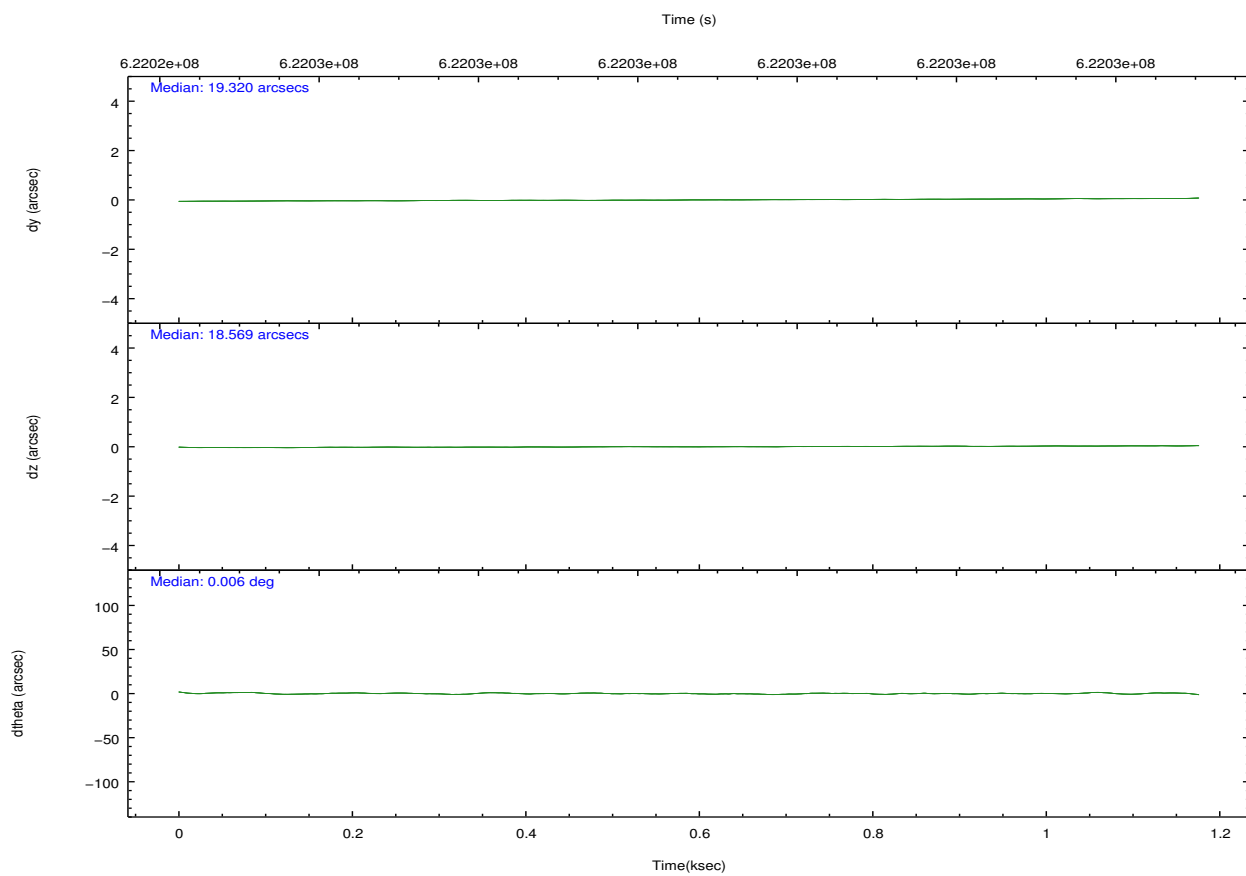
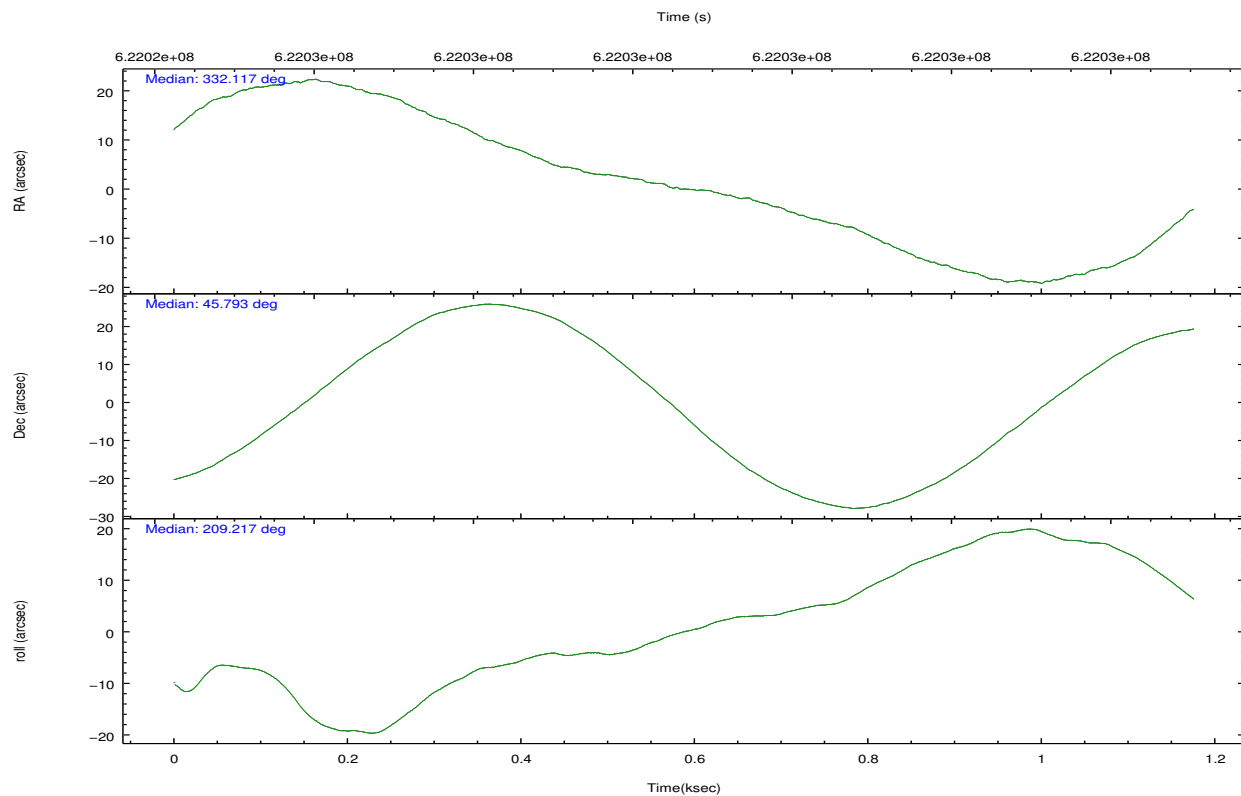
2.2 Compared Parameters

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	332.136375	332.117076774542
[deg] Pointing Dec	45.816517	45.79282116222133
[deg] Pointing Roll	209.303357	209.2216678037445
[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)	622025248.184000	622024872.44162
Observation start date	2017-09-17T08:46:19	2017-09-17T08:41:12
[s] Observation end time (MET)	622026248.184000	622026382.26671
Observation end date	2017-09-17T09:02:59	2017-09-17T09:06:22

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

2.3 Aspect



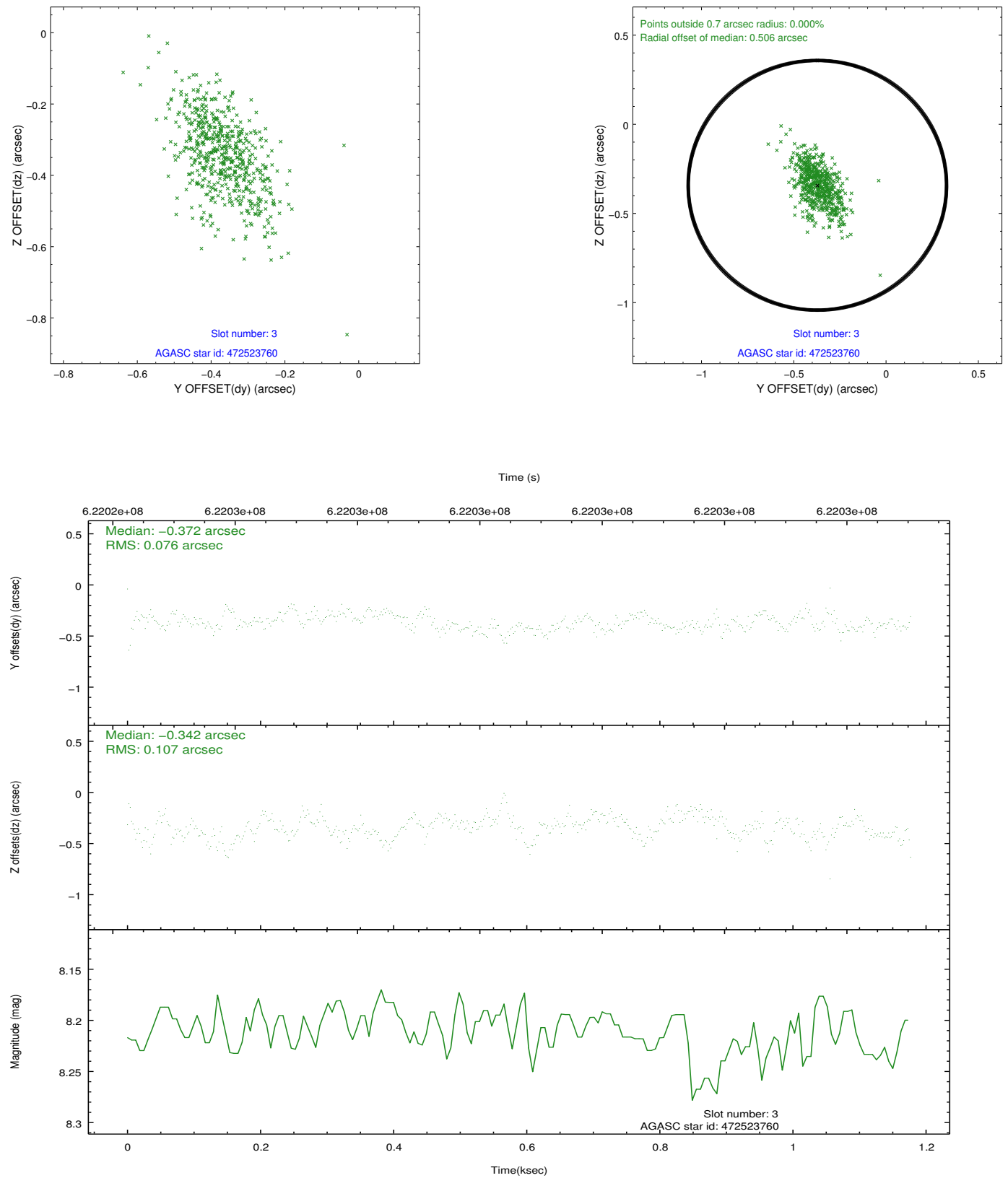


Slot Statistics

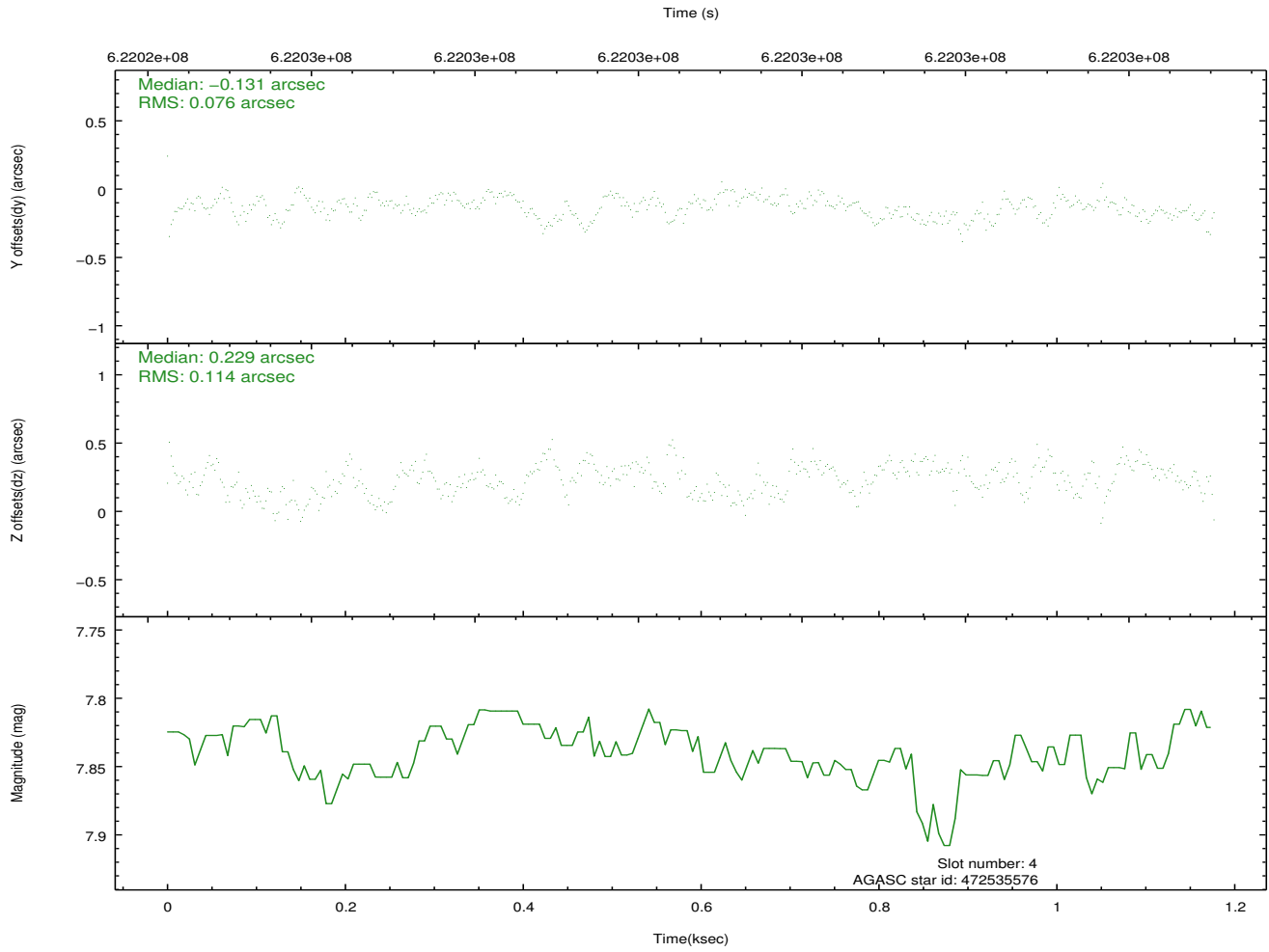
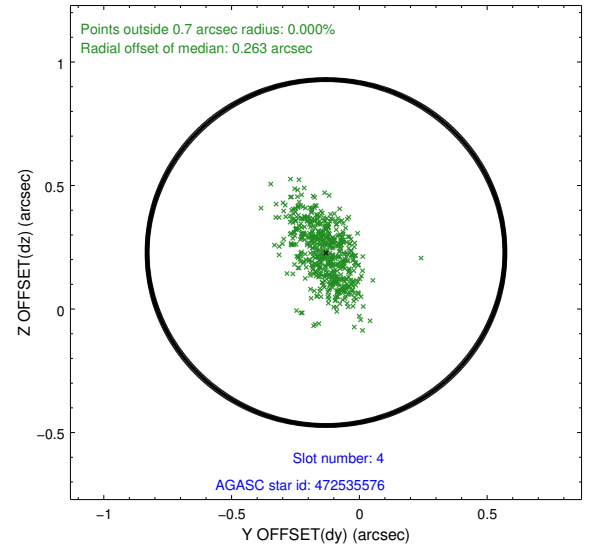
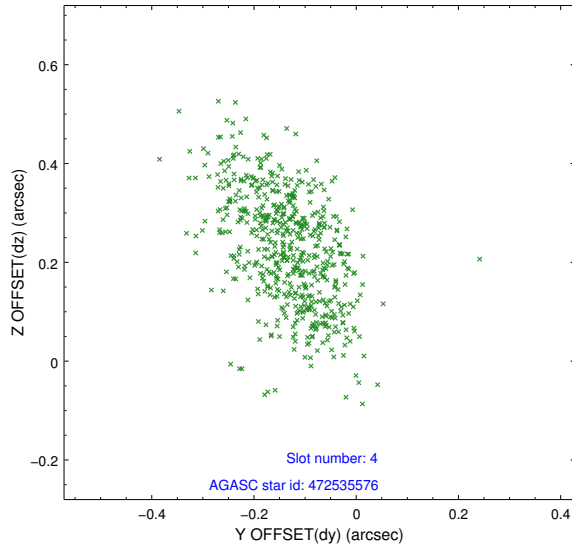
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.206	-0.001	0.007	0.012	0.000000	0.000000	-775.38	-1306.80
1	FID		HRC-I-2	7.05	287	0.362	-0.124	0.006	0.011	0.000000	0.000000	835.12	-1312.96
2	FID		HRC-I-3	7.11	288	-0.037	0.036	0.006	0.011	0.000000	0.000000	-1200.91	993.23
3	GUIDE	used	472523760	8.21	575	-0.372	-0.342	0.133	0.233	331.645363	45.403260	1808.89	687.08
4	GUIDE	used	472535576	7.84	575	-0.131	0.229	0.145	0.242	331.438373	46.291802	676.75	-2346.40
5	GUIDE	used	472665256	8.96	574	0.263	0.236	0.182	0.309	332.808125	46.195041	-2128.13	-378.56
6	GUIDE	used	472533912	9.11	575	0.328	0.215	0.237	0.363	331.791136	46.368695	-228.63	-2154.65
7	GUIDE	used	472655152	9.39	574	-0.058	-0.348	0.205	0.349	332.504239	45.862991	-887.11	300.29

2.4 Star Slots

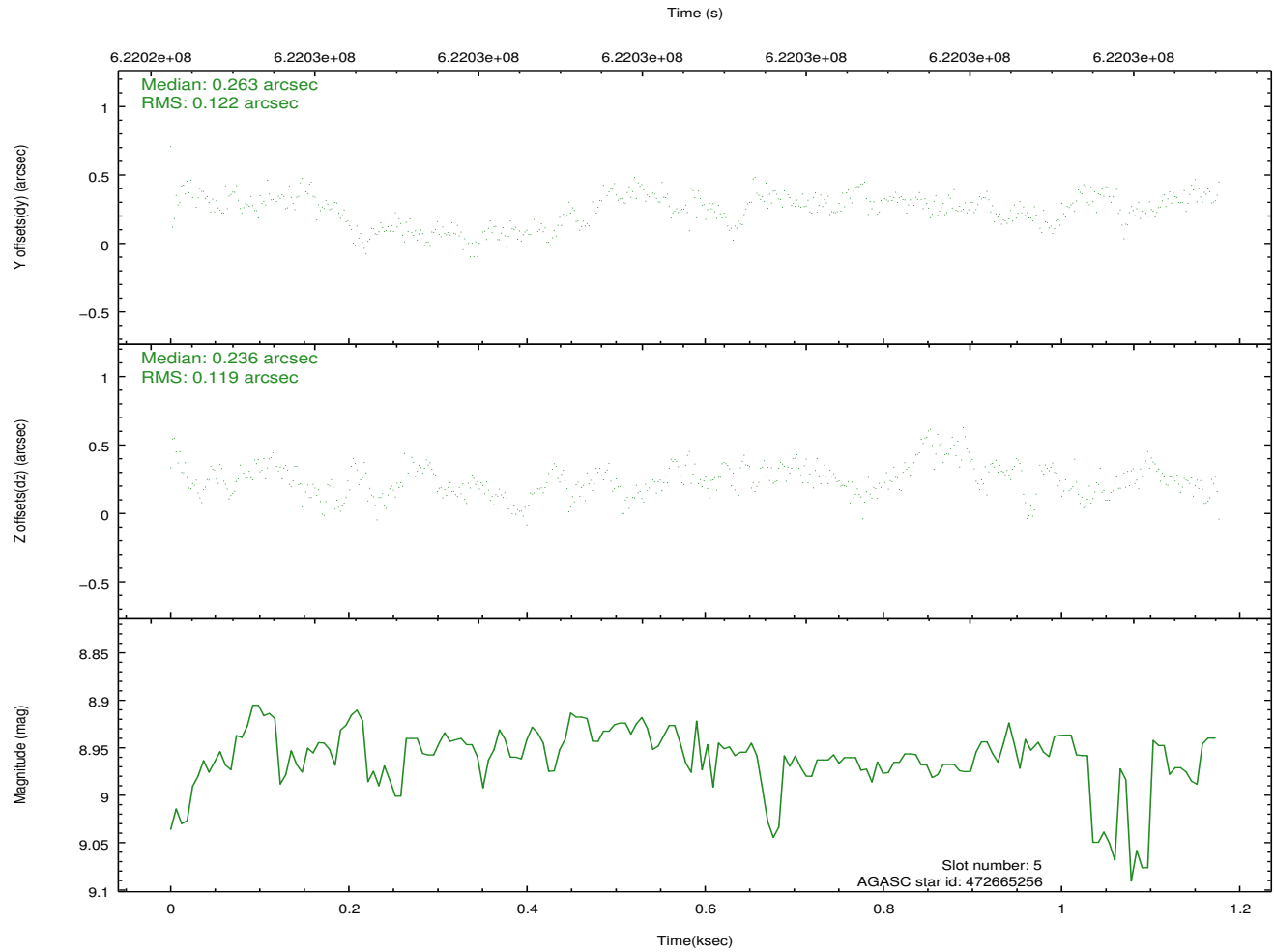
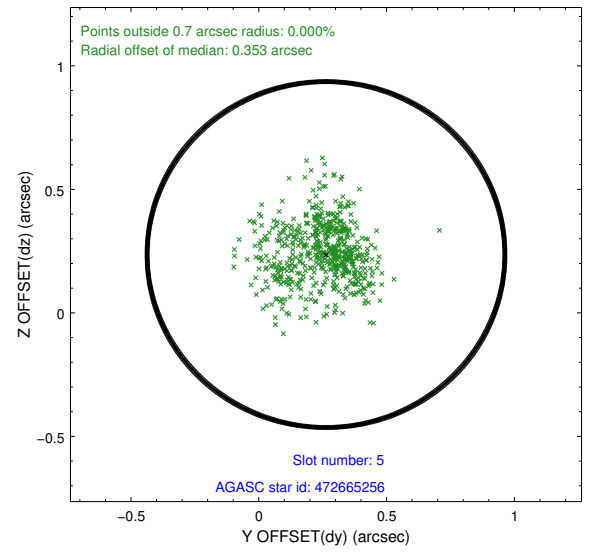
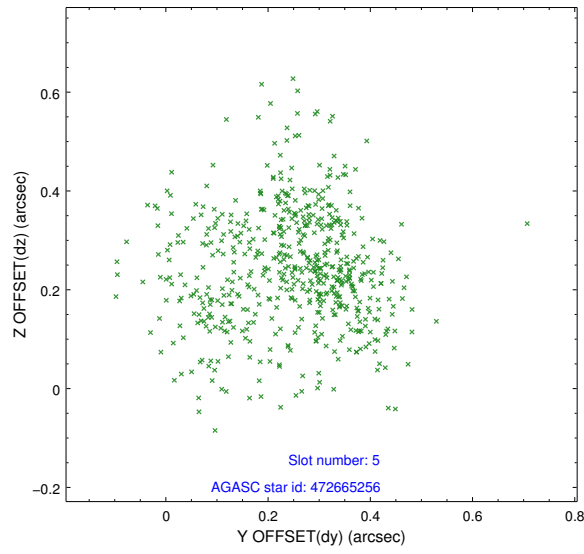
2.4.1 Slot 3



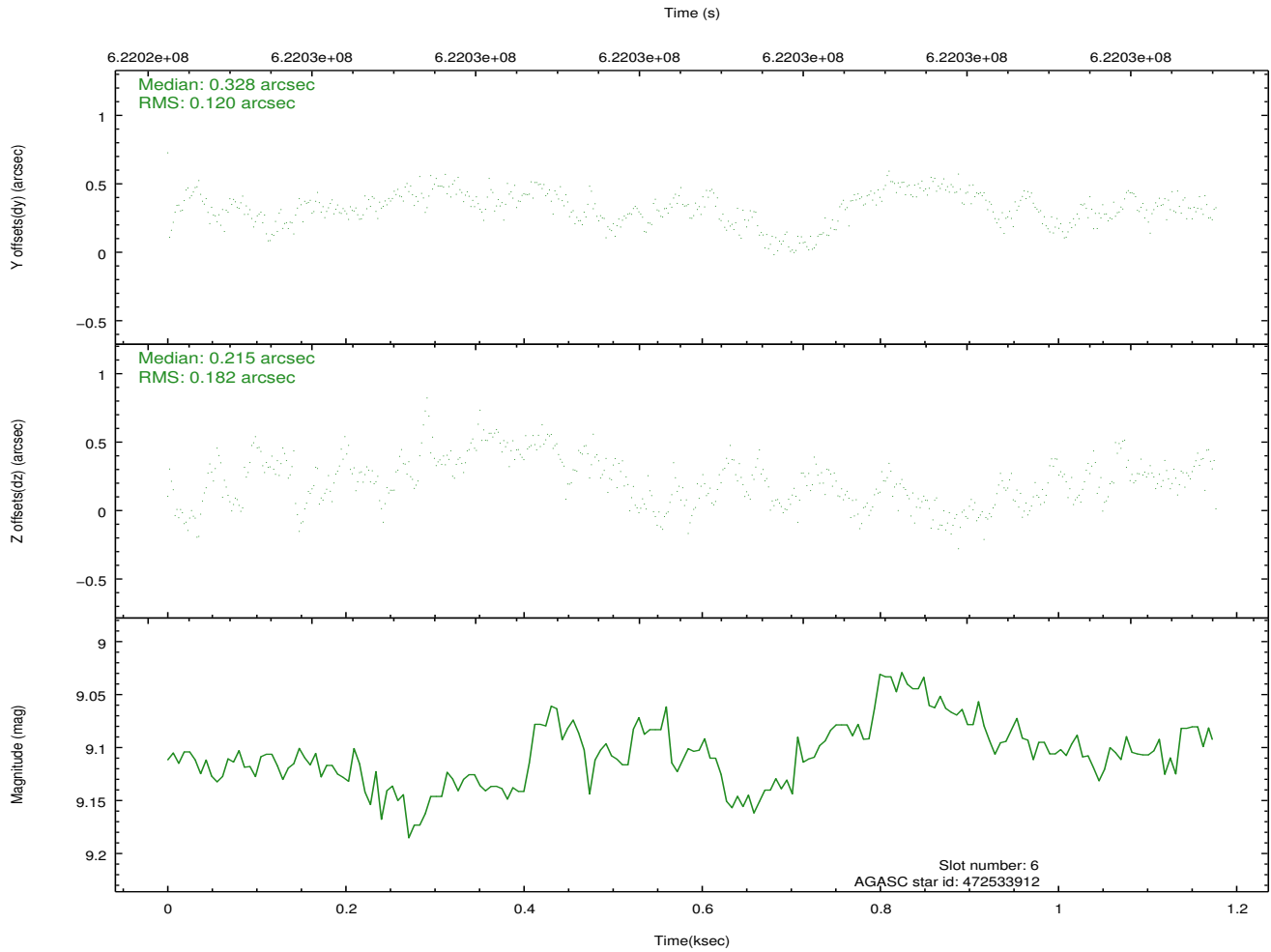
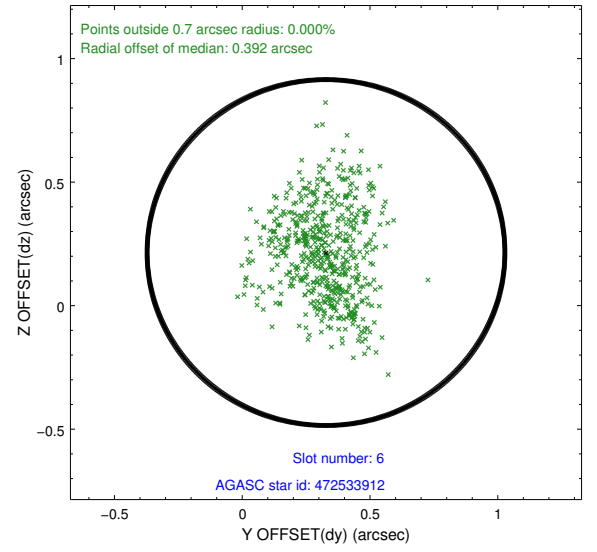
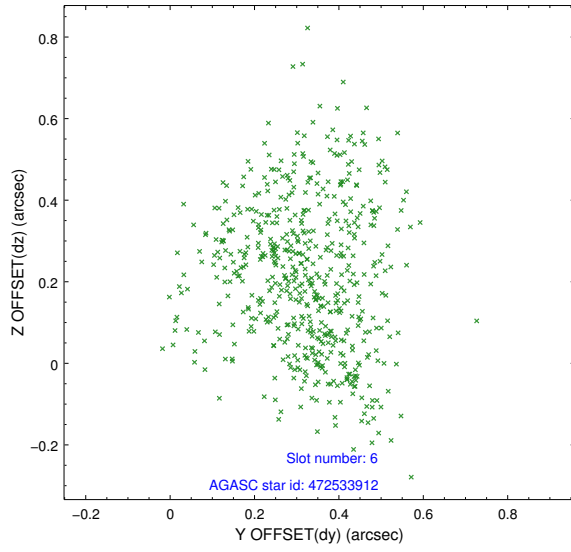
2.4.2 Slot 4



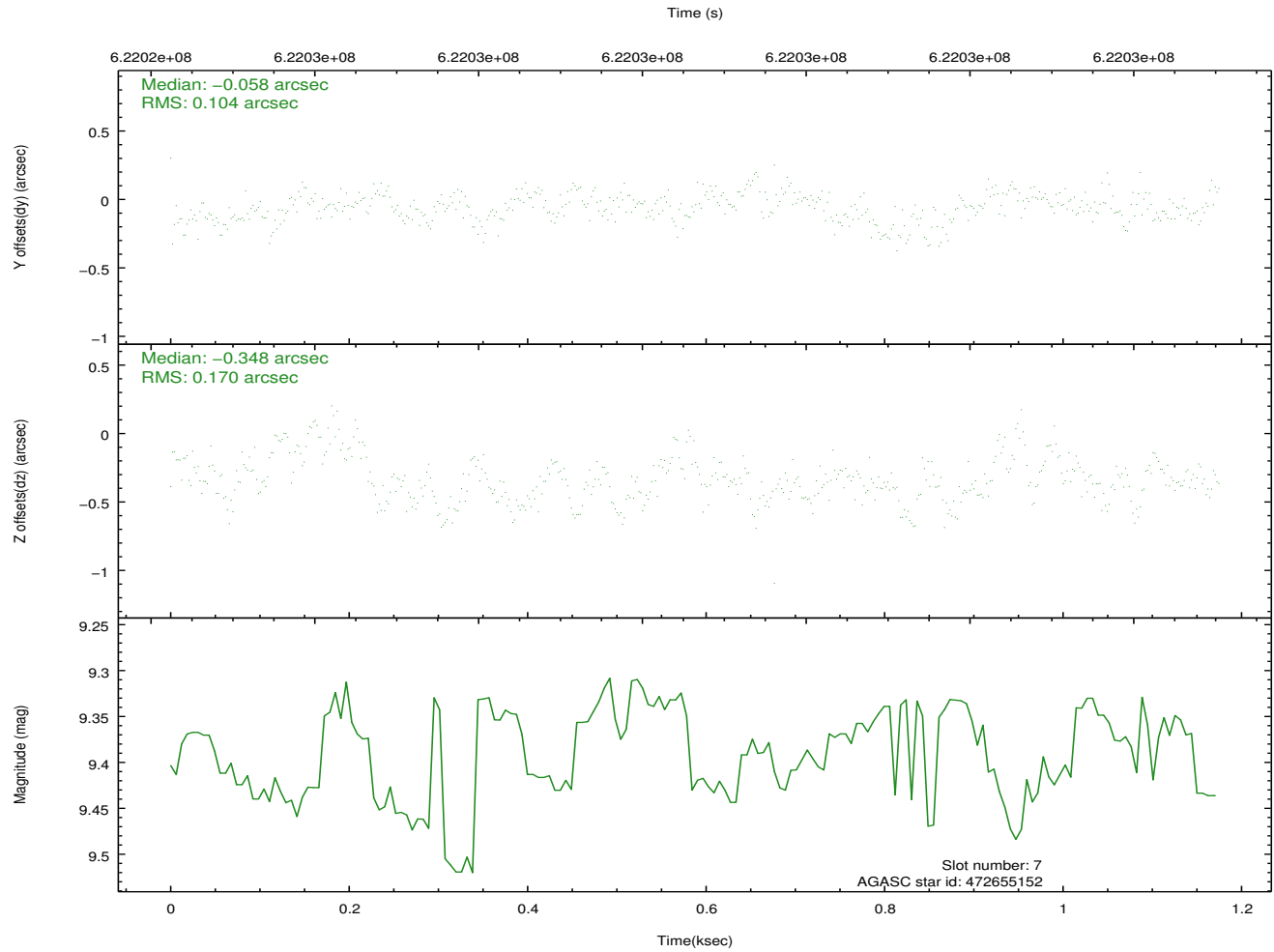
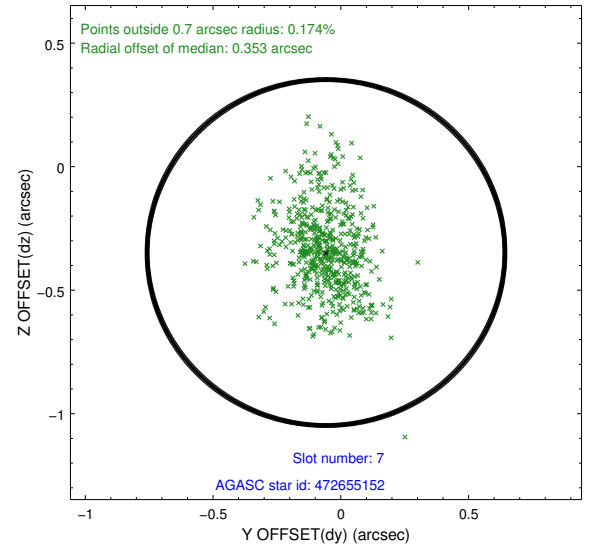
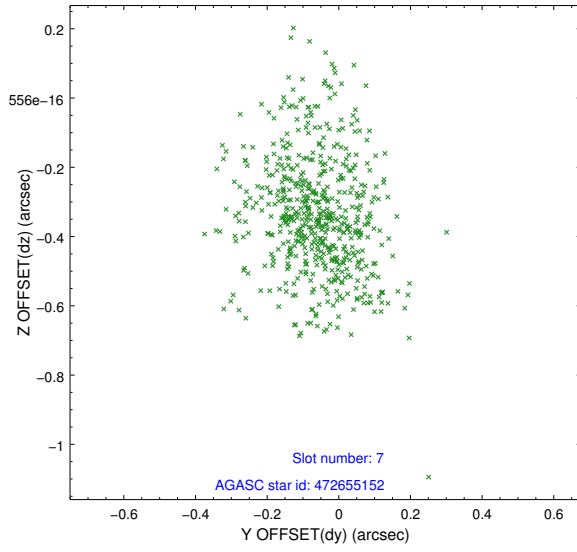
2.4.3 Slot 5



2.4.4 Slot 6

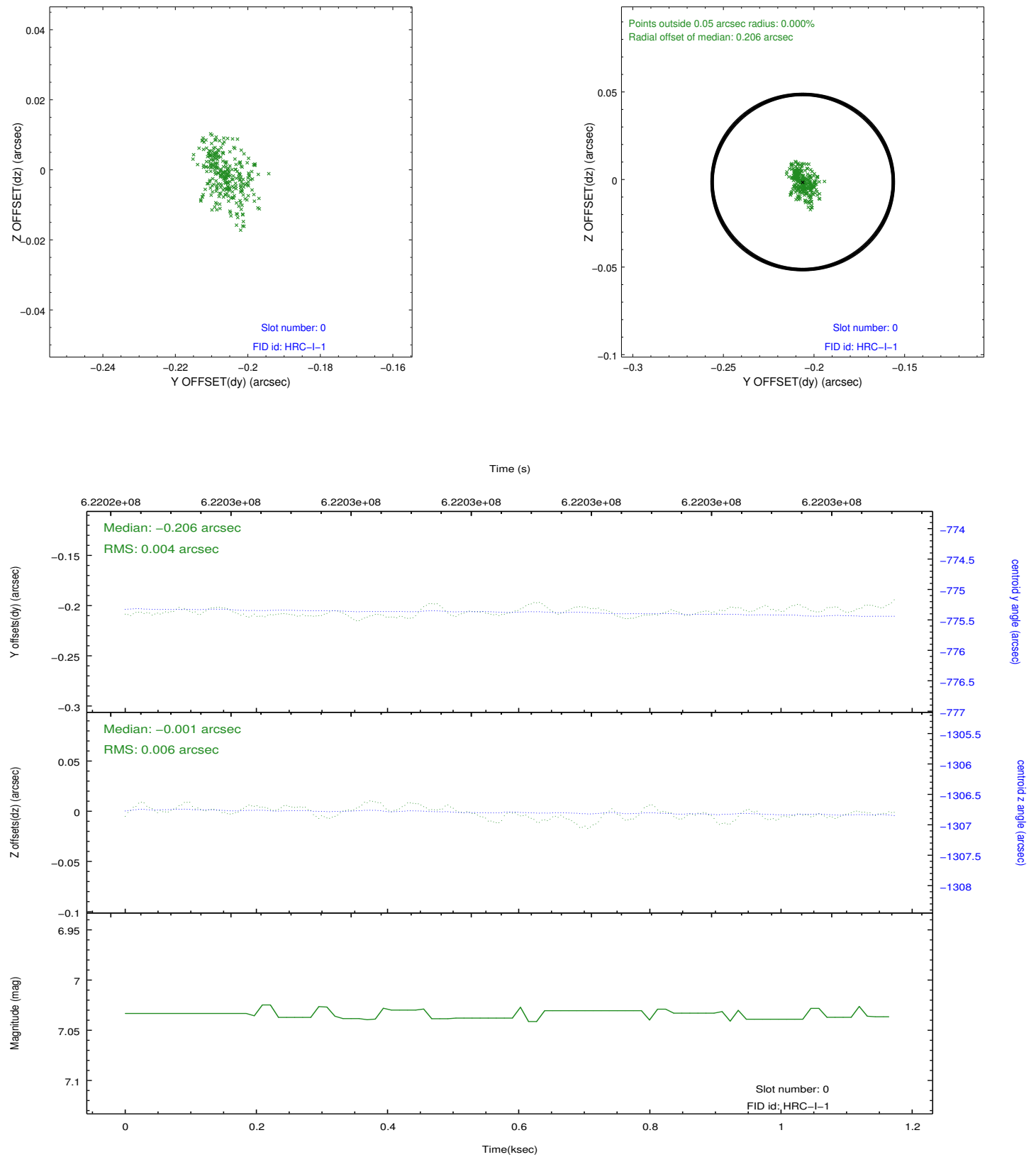


2.4.5 Slot 7

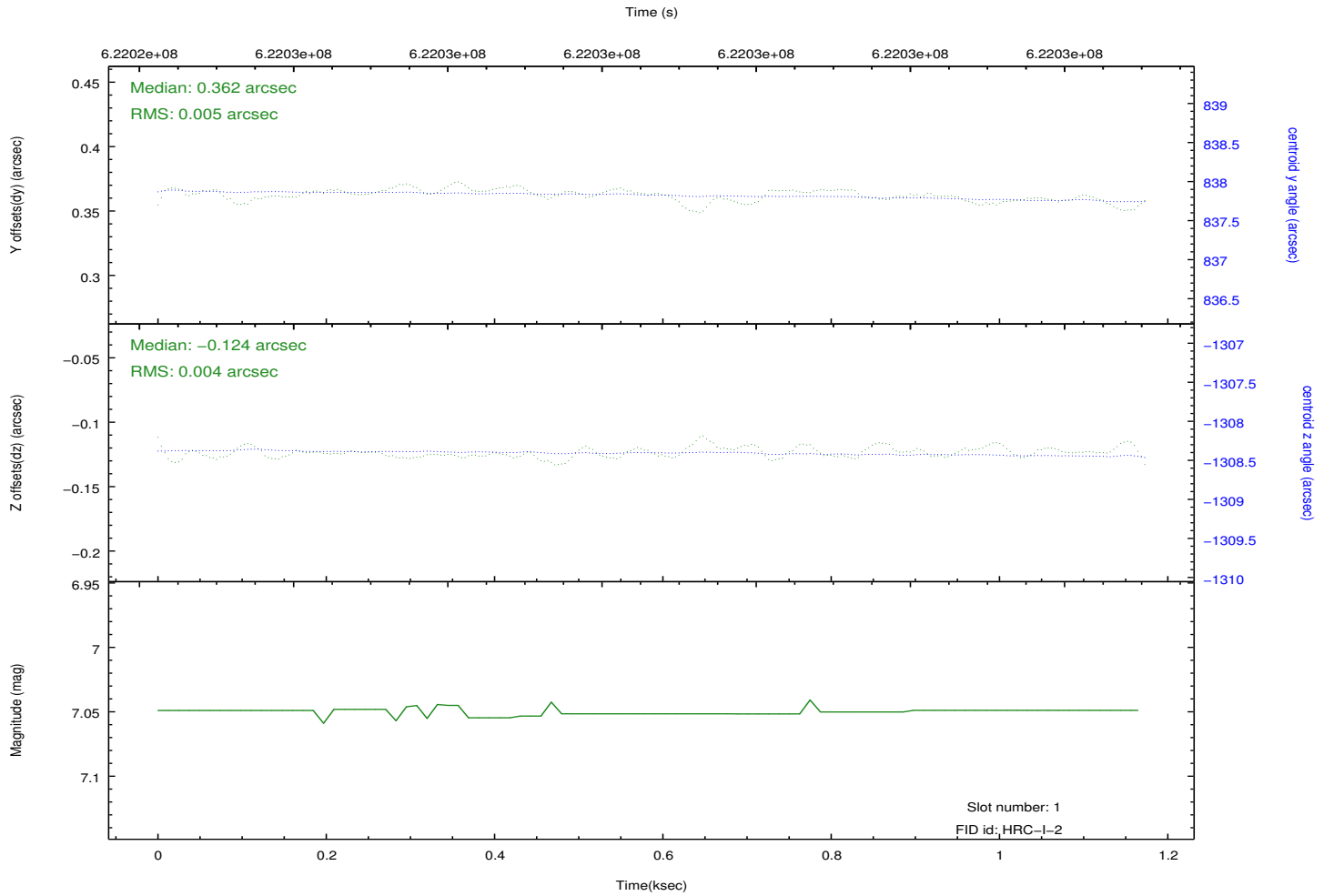
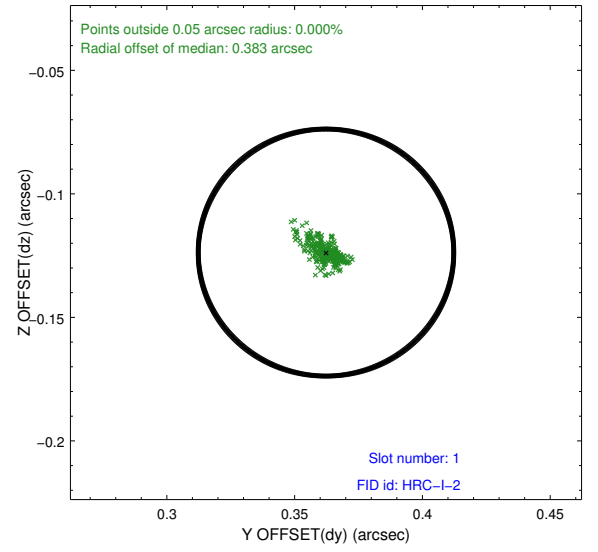
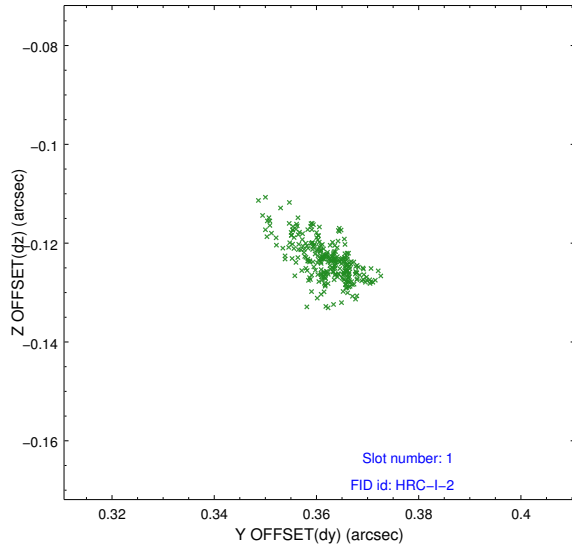


2.5 FID Slots

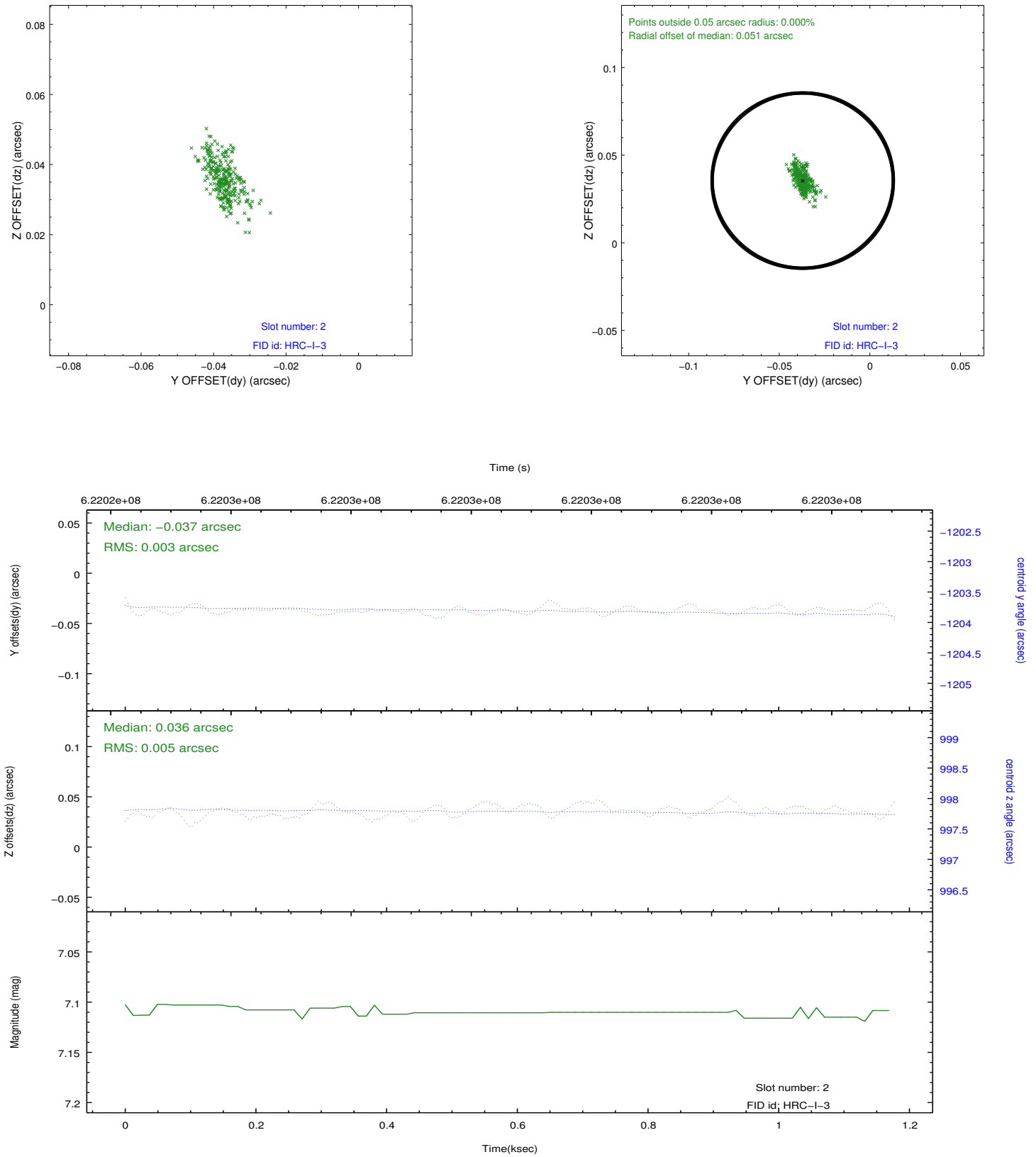
2.5.1 Slot 0



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	1.1759313185215

A.2 Comments