

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19806 - L2 Version 1
Chandra X-Ray Center

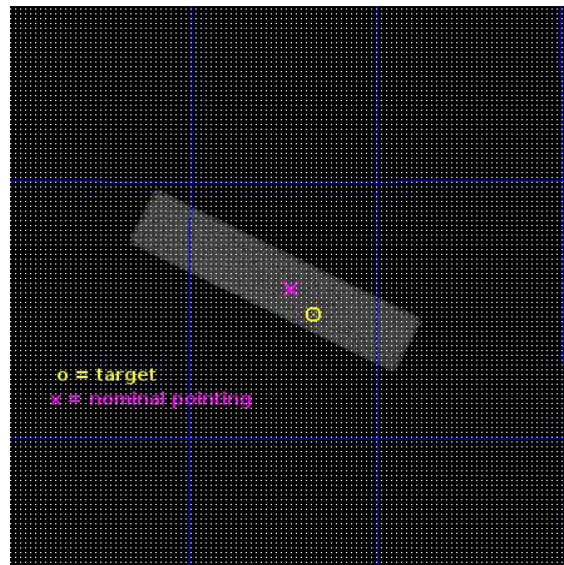
L2 Processing Date : Sep 16 2017

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1 Front

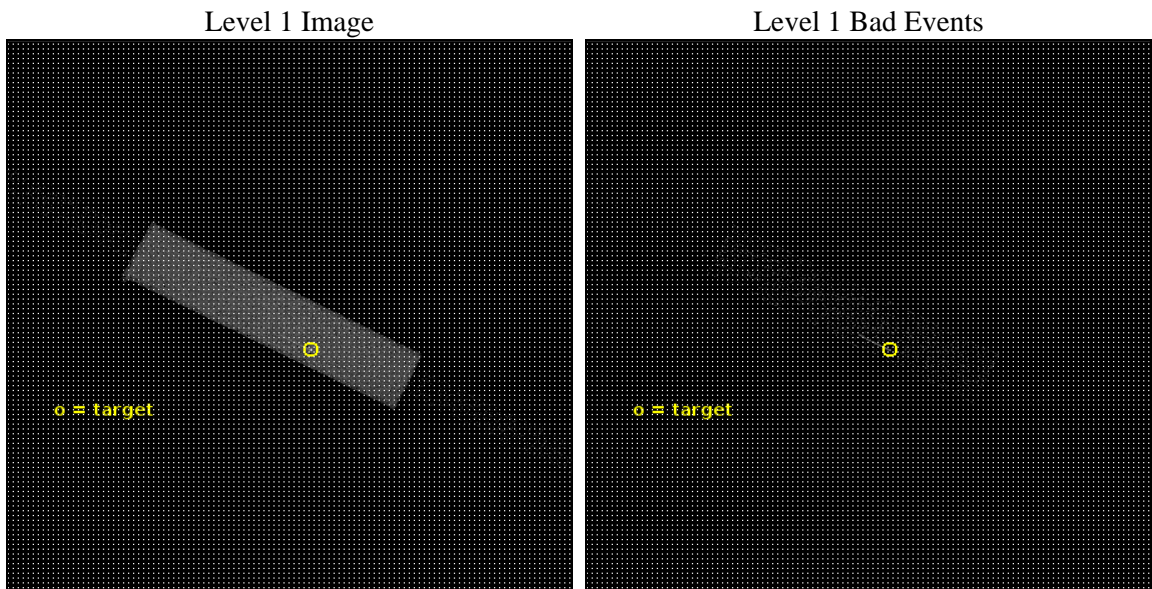
seq_num	291323	Sequence number
obs_id	19806	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2277126042	Nominal RA [deg]
dec_nom	45.792453977821	Nominal Dec [deg]
roll_nom	206.91941579151	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.9813187122	[s]
livetime	1167.2341836221	Ontime multiplied by DTCOR
l2events	86002	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	1177.9813187122	[s]
caldsver	4.7.6	 	l1events	130863	Number of level 1 events
date	2017-09-16T05:00:37	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

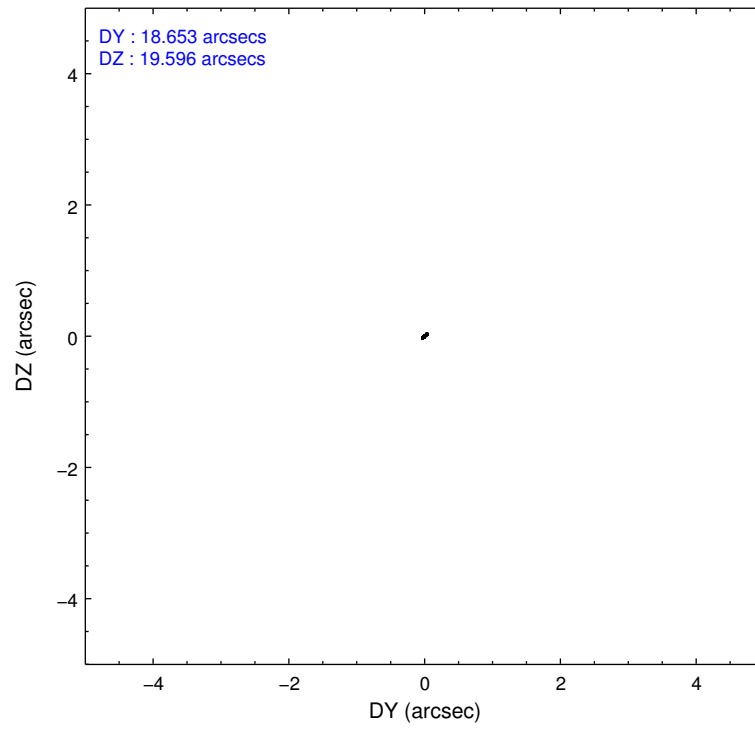
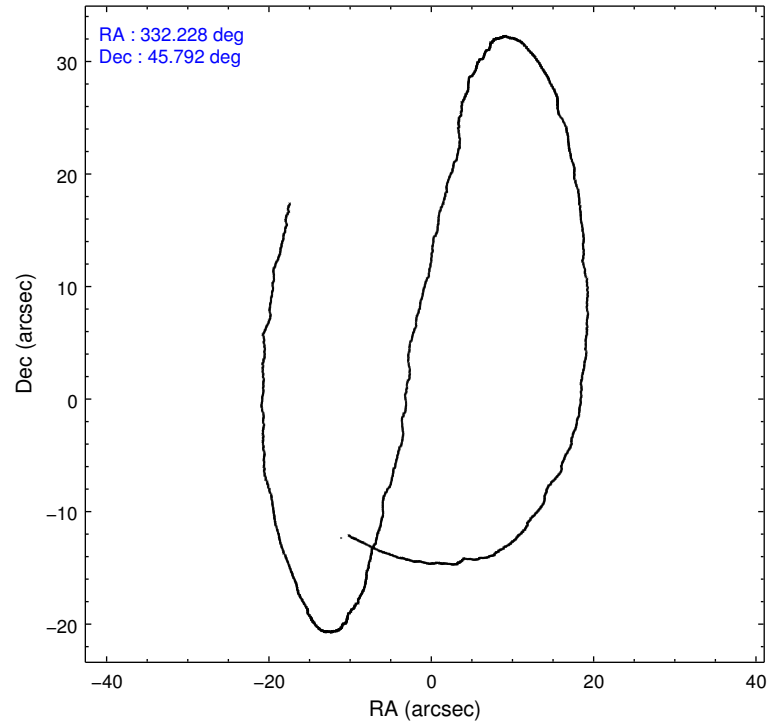
	segment 1	segment 2	segment 3
level 1 events	1237	128522	1104
rejected events	1237	30295	1104
rejected %	100%	23%	100%

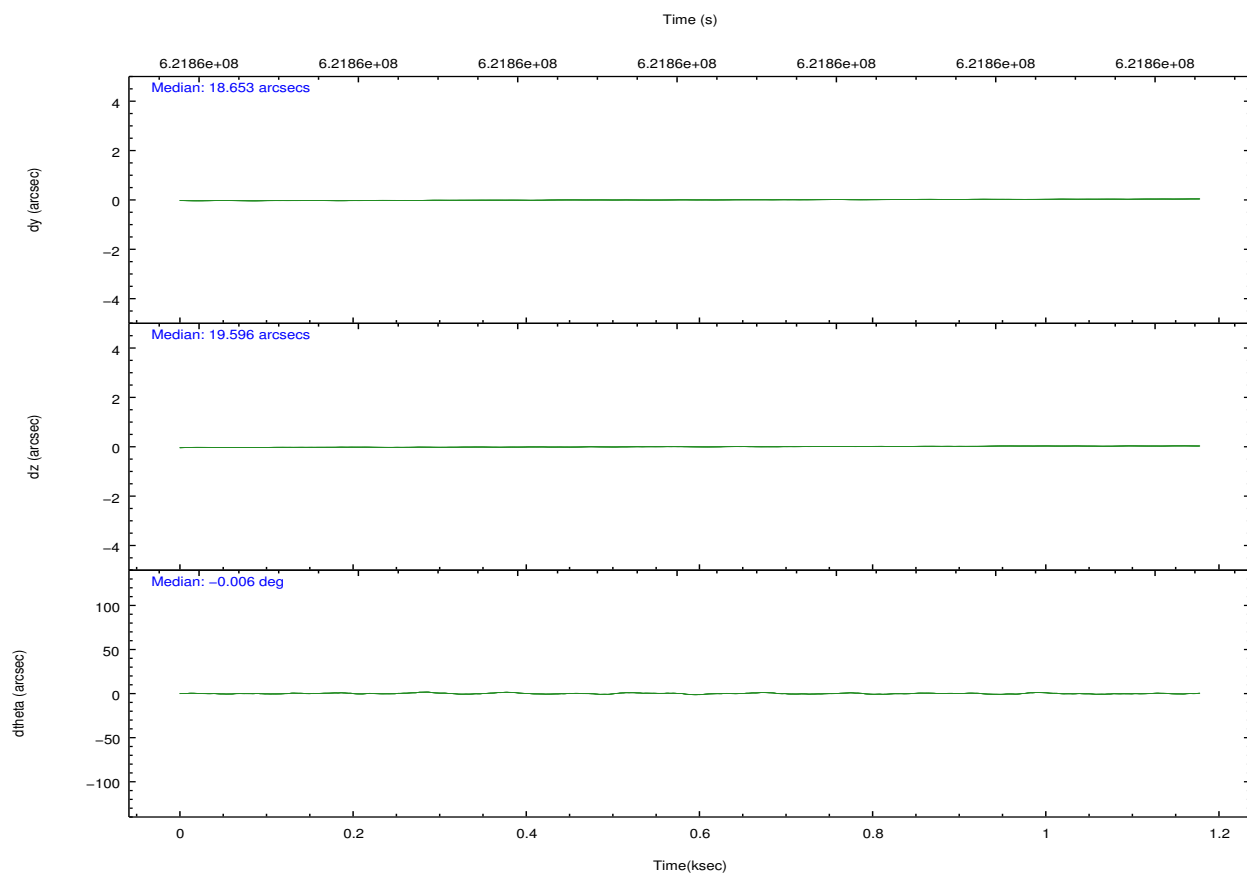
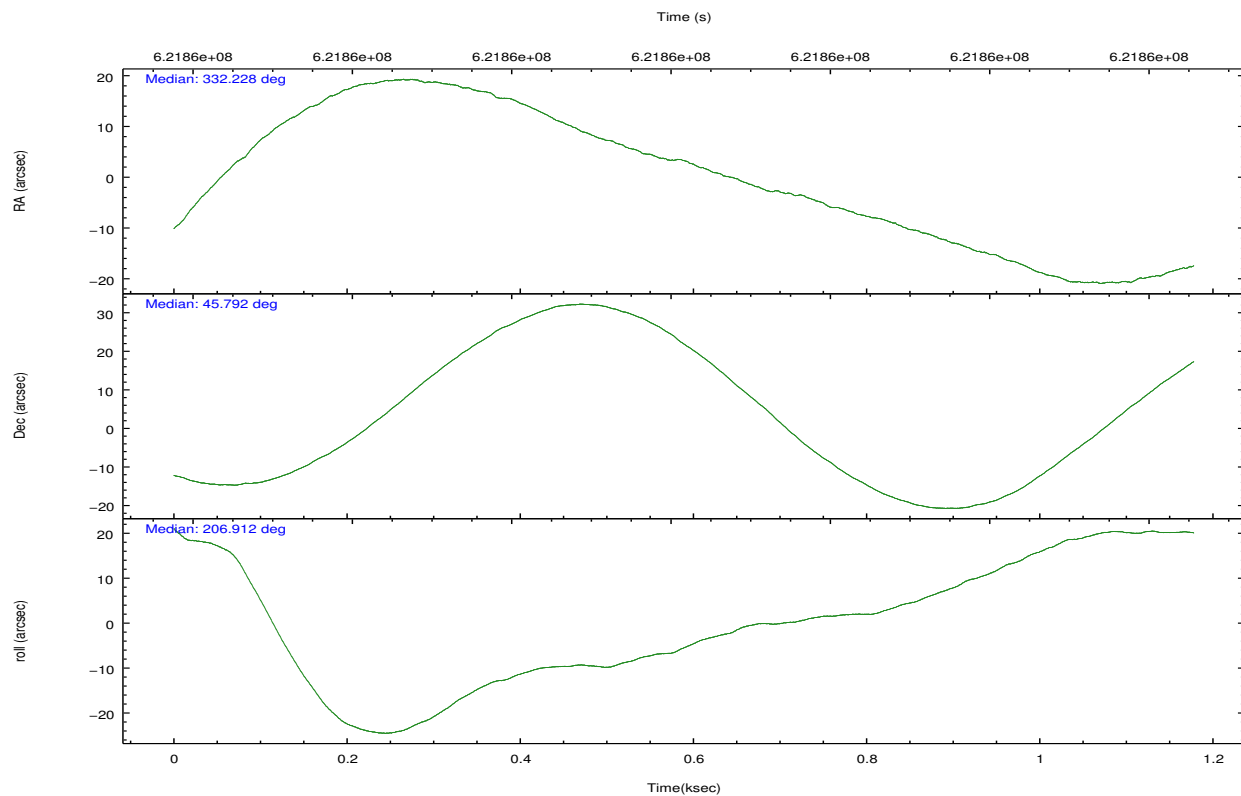
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.248304	332.2277126041974
[deg] Pointing Dec	45.818240	45.79245397782071
[deg] Pointing Roll	206.837354	206.9194157915129
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	621859982.184000	621859606.55696
Observation start date	2017-09-15T10:51:53	2017-09-15T10:46:46
[s] Observation end time (MET)	621860982.184000	621861116.38205
Observation end date	2017-09-15T11:08:33	2017-09-15T11:11:56

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

2.3 Aspect



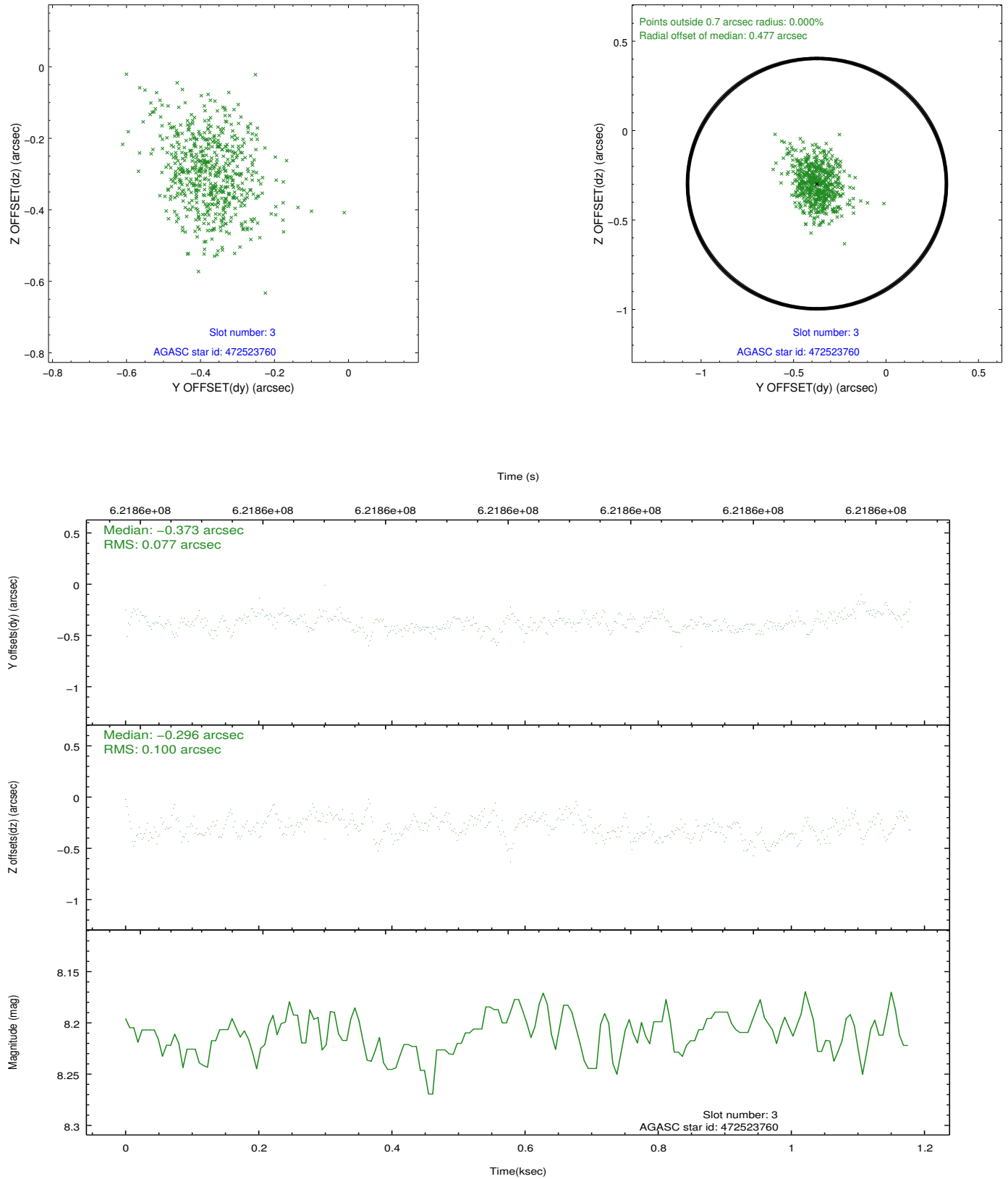


Slot Statistics

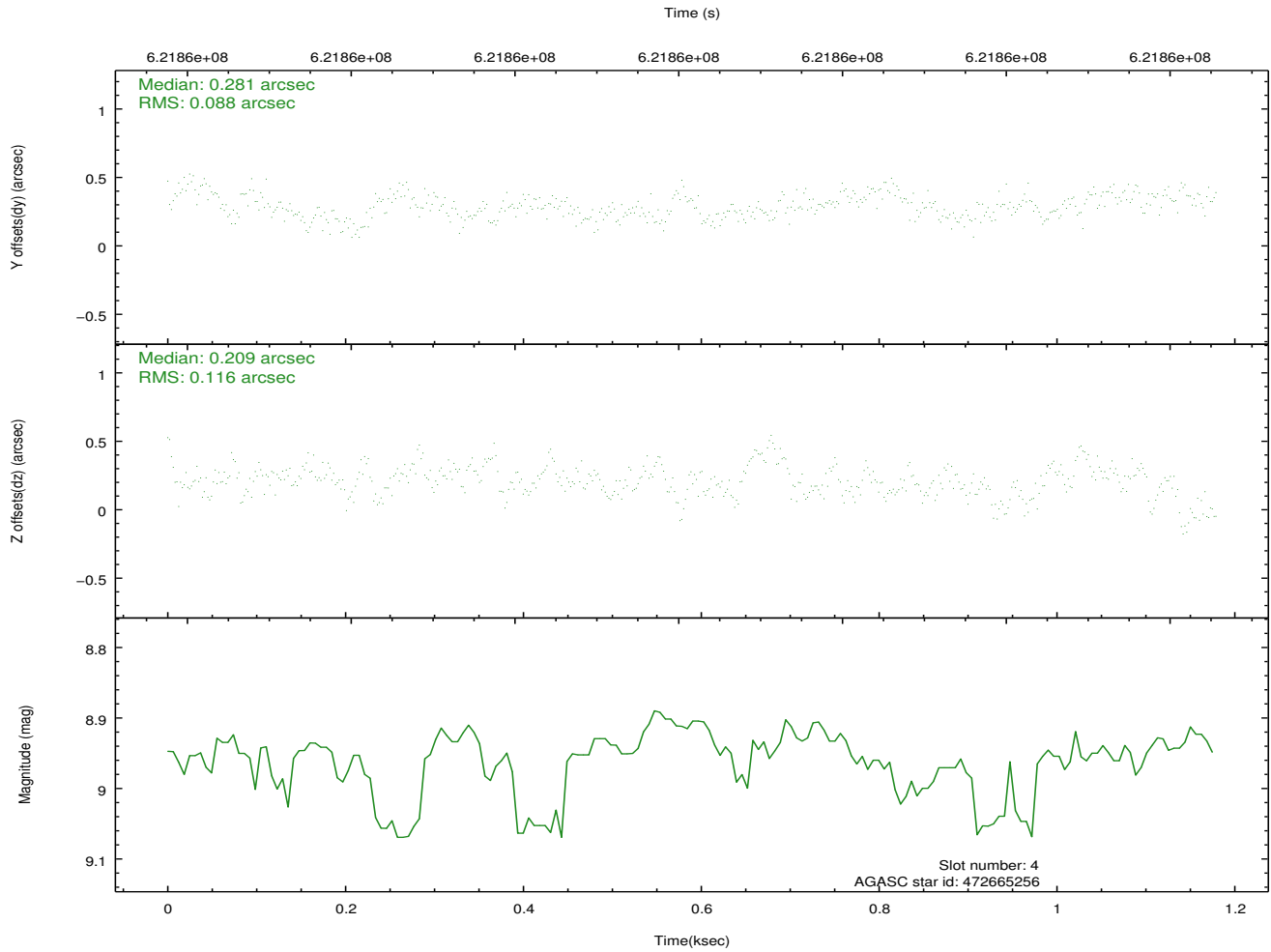
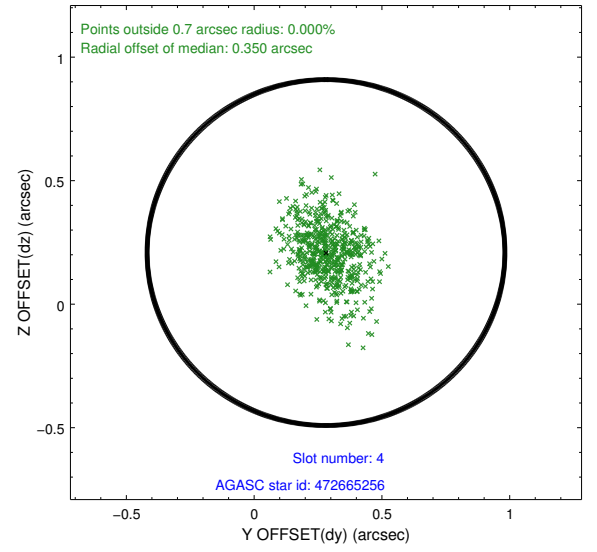
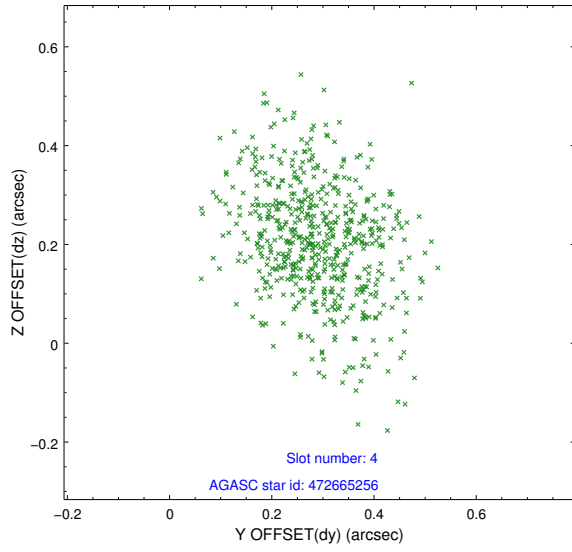
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.04	288	-0.052	-0.277	0.006	0.010	0.000000	0.000000	-1173.24	-468.75
1	FID		HRC-S-2	7.00	288	0.352	-0.117	0.005	0.010	0.000000	0.000000	1222.74	-462.77
2	FID		HRC-S-3	7.03	288	0.089	0.091	0.006	0.010	0.000000	0.000000	-1171.62	559.53
3	GUIDE	used	472523760	8.21	576	-0.373	-0.296	0.130	0.230	331.645363	45.403260	2031.27	637.00
4	GUIDE	used	472665256	8.95	576	0.281	0.209	0.149	0.262	332.808125	46.195041	-1855.70	-586.74
5	GUIDE	used	472535576	7.84	576	0.003	0.194	0.131	0.219	331.438373	46.291802	1020.38	-2443.49
6	GUIDE	used	472533912	9.10	576	0.072	0.219	0.190	0.316	331.791136	46.368695	119.15	-2290.69
7	GUIDE	used	472655152	9.38	575	0.032	-0.316	0.230	0.370	332.504239	45.862991	-645.72	137.94

2.4 Star Slots

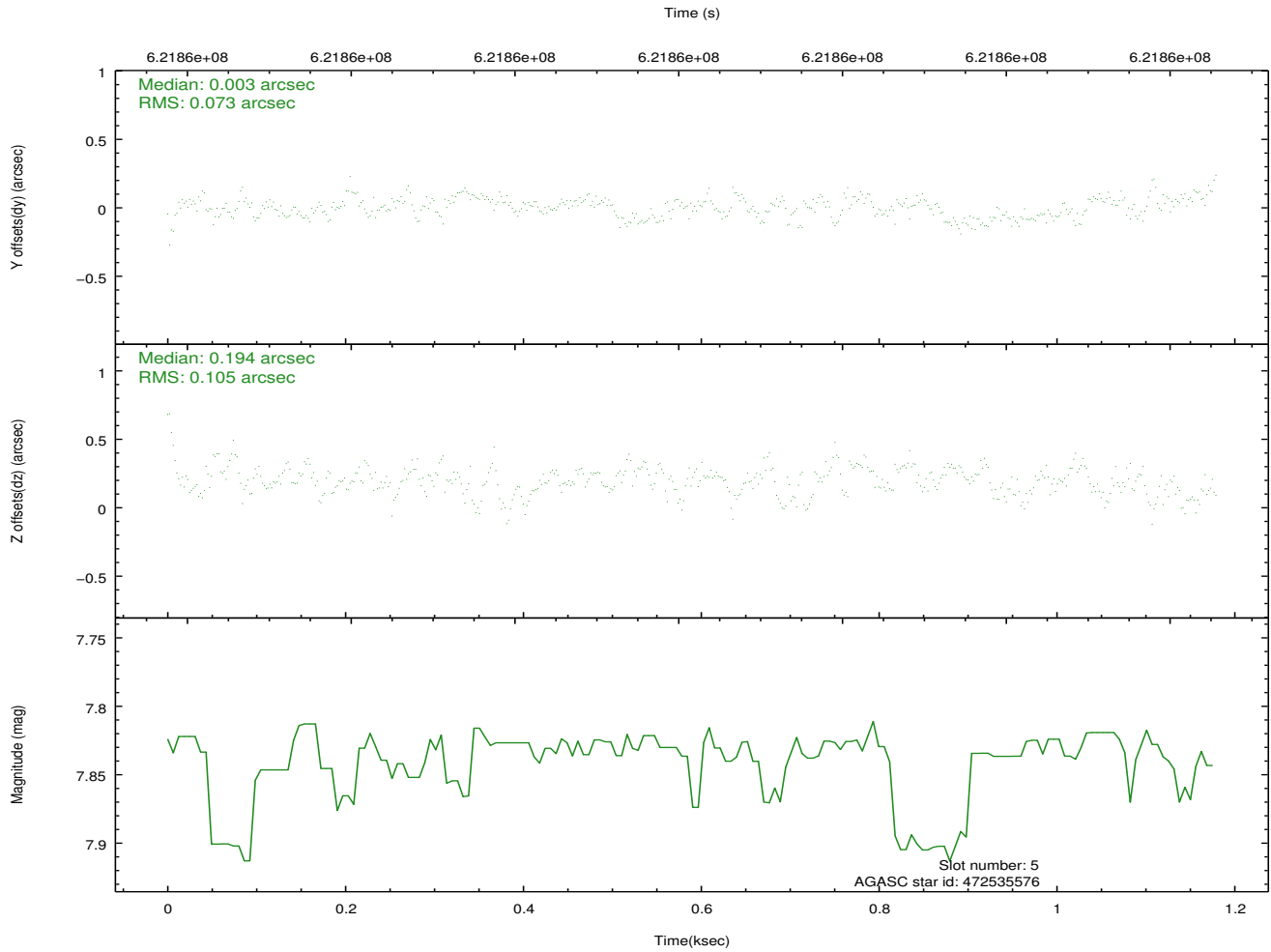
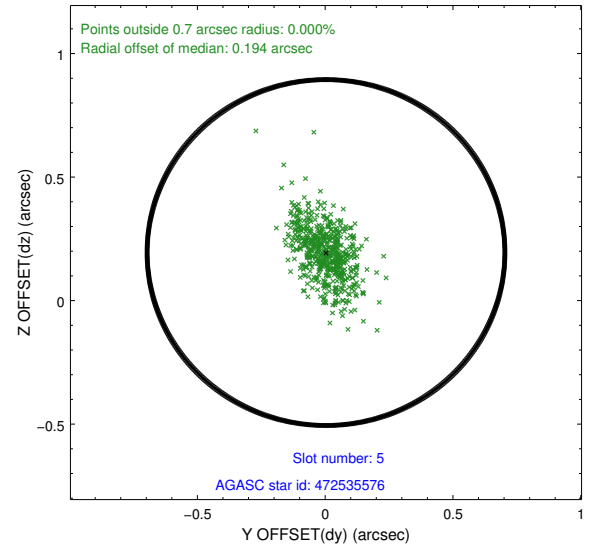
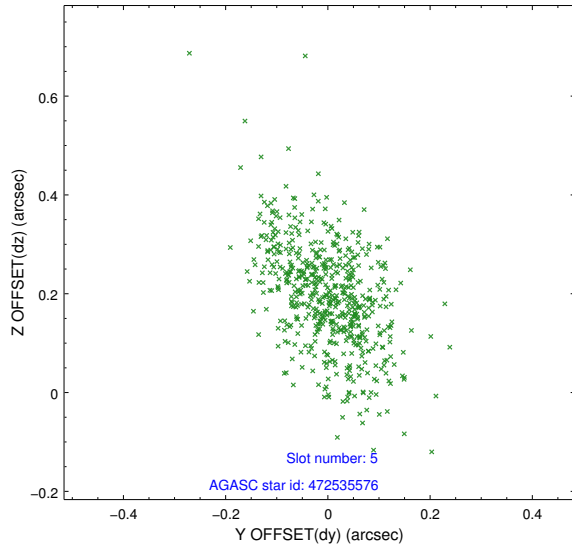
2.4.1 Slot 3



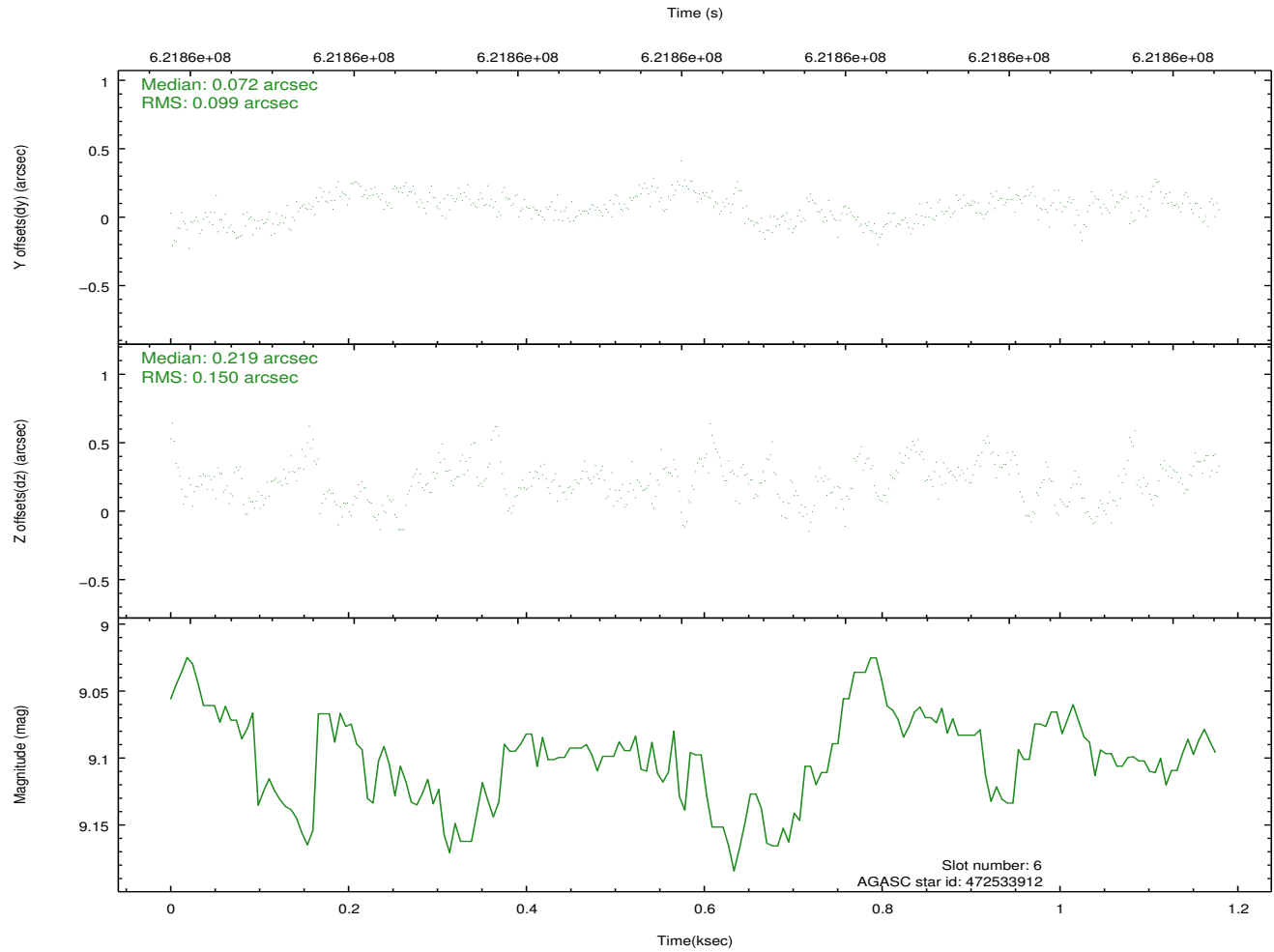
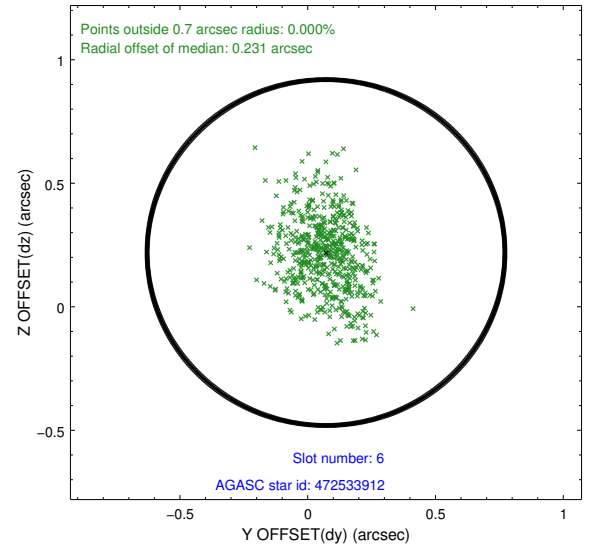
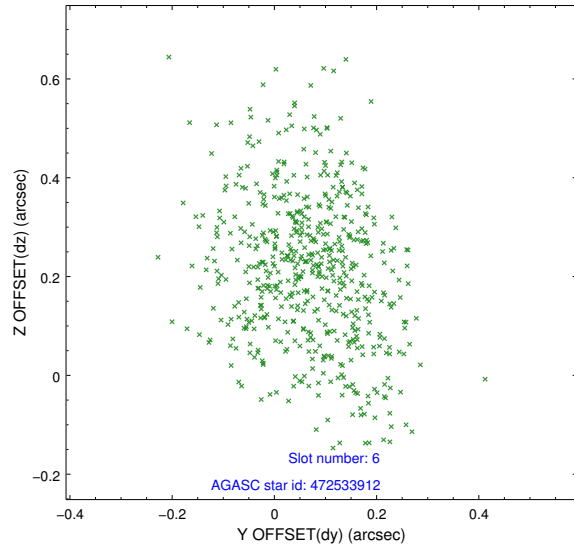
2.4.2 Slot 4



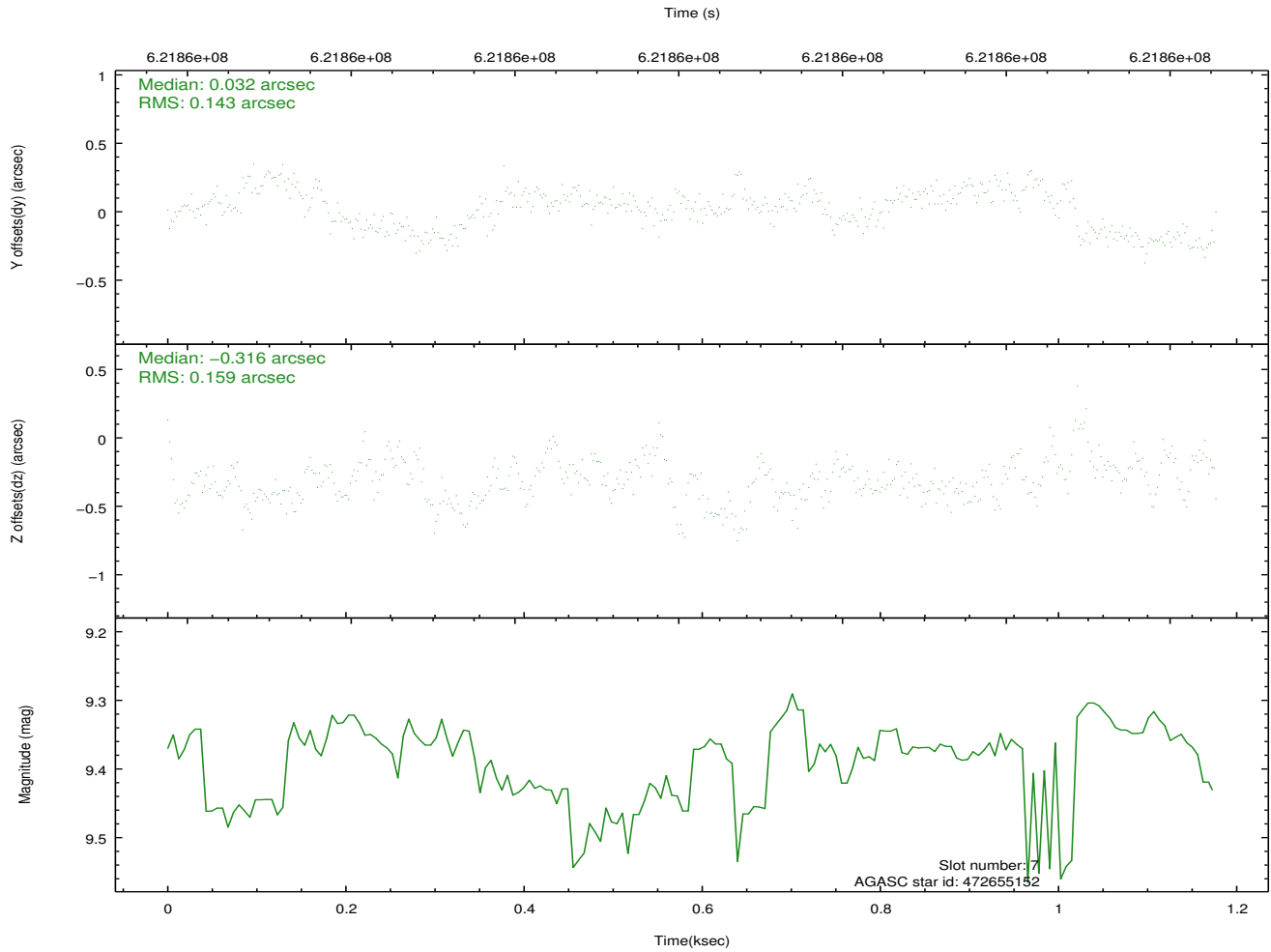
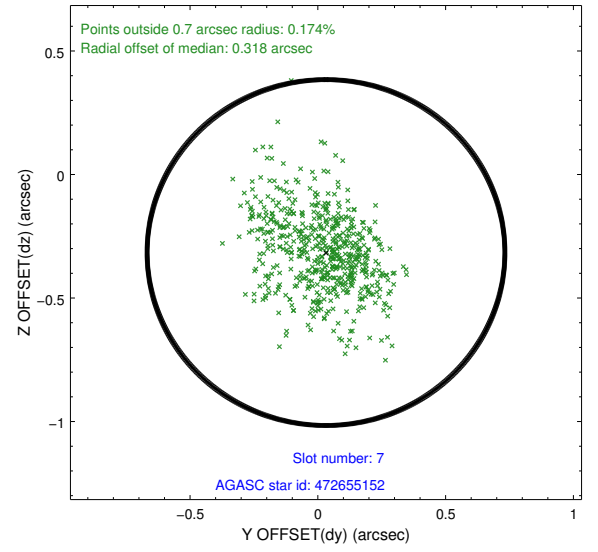
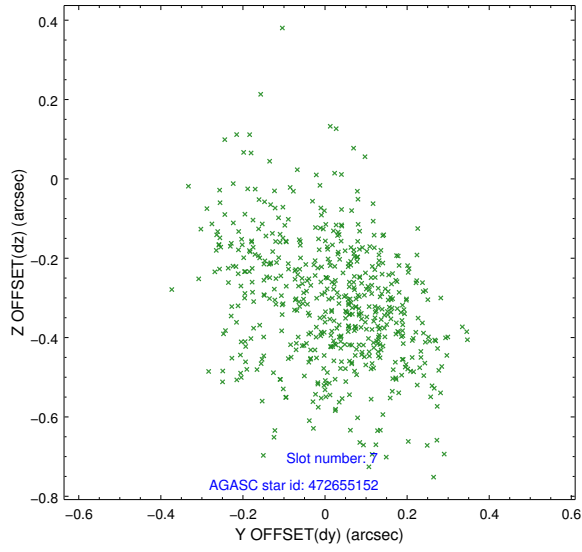
2.4.3 Slot 5



2.4.4 Slot 6

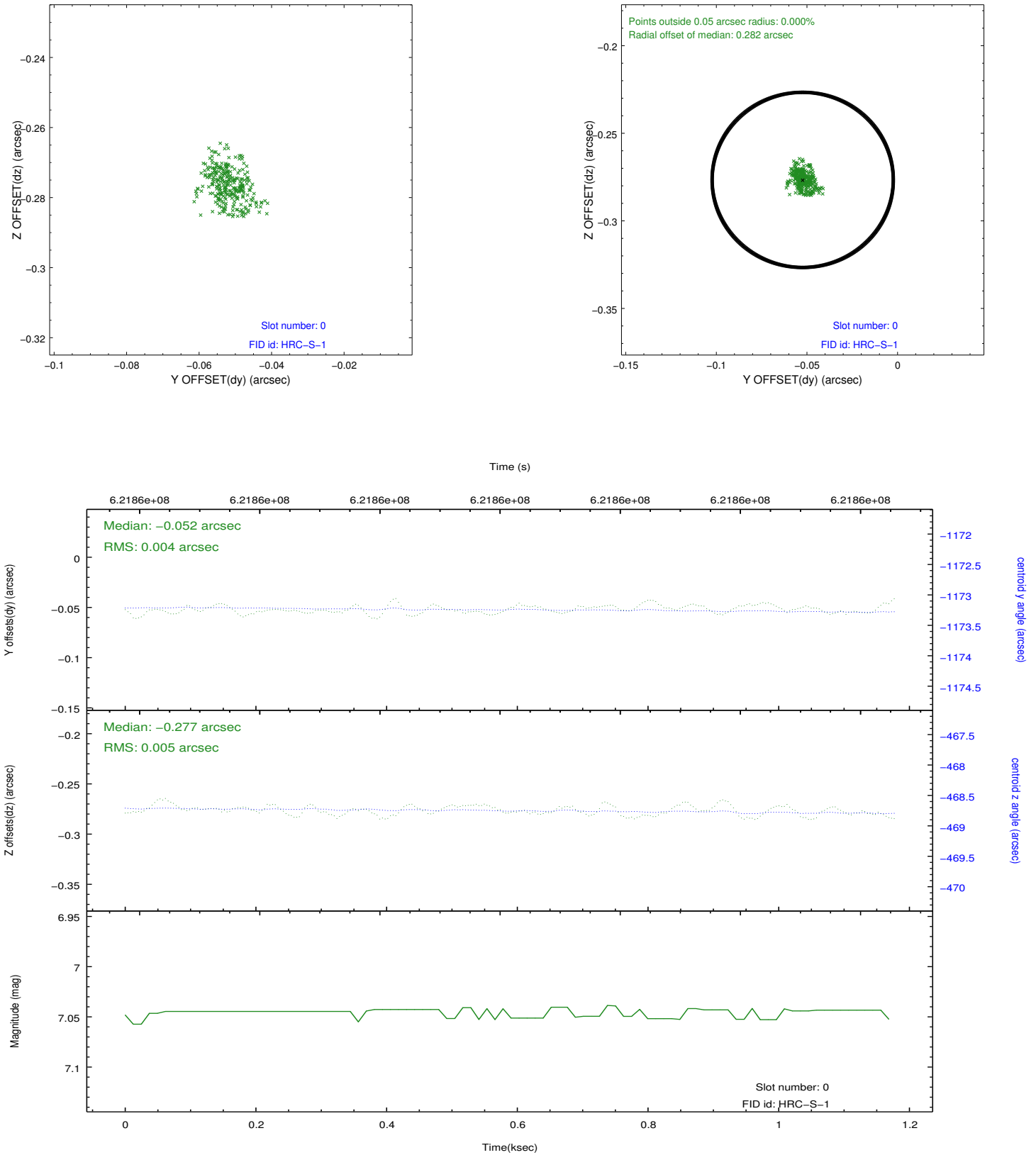


2.4.5 Slot 7

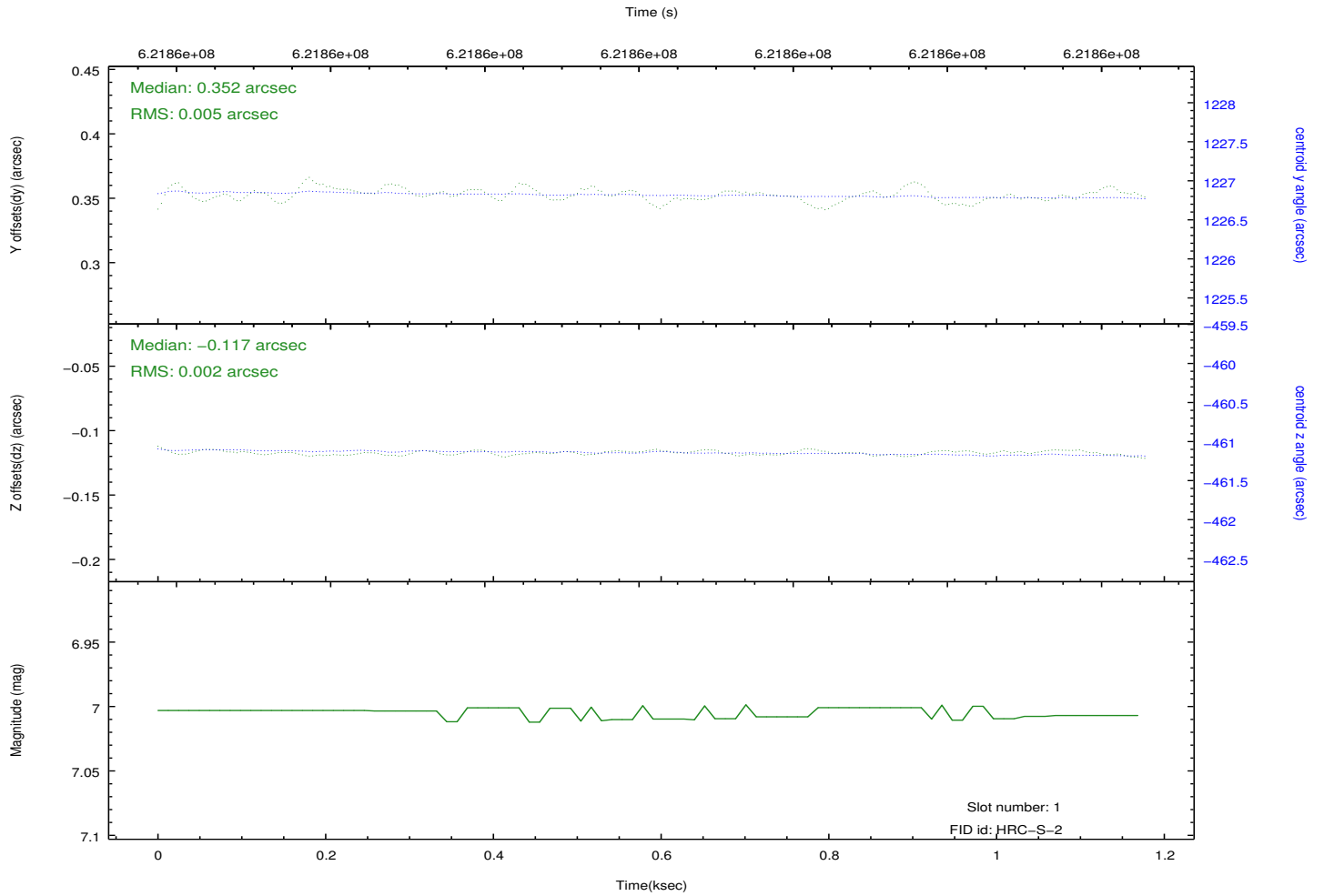
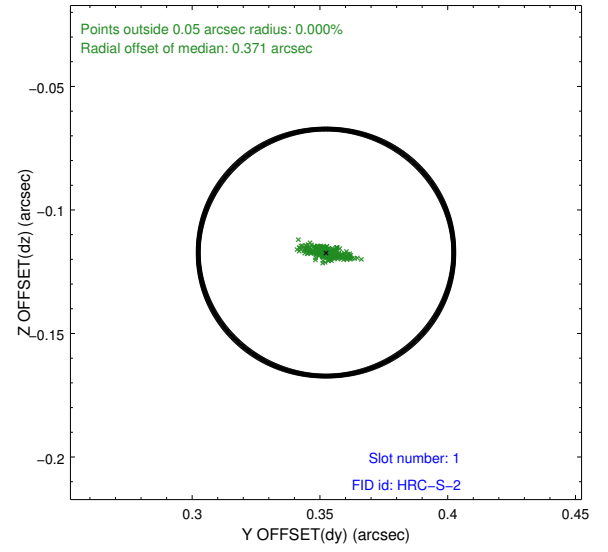
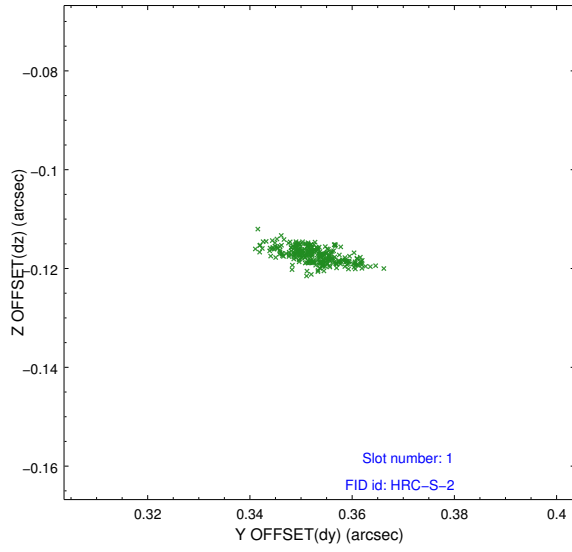


2.5 FID Slots

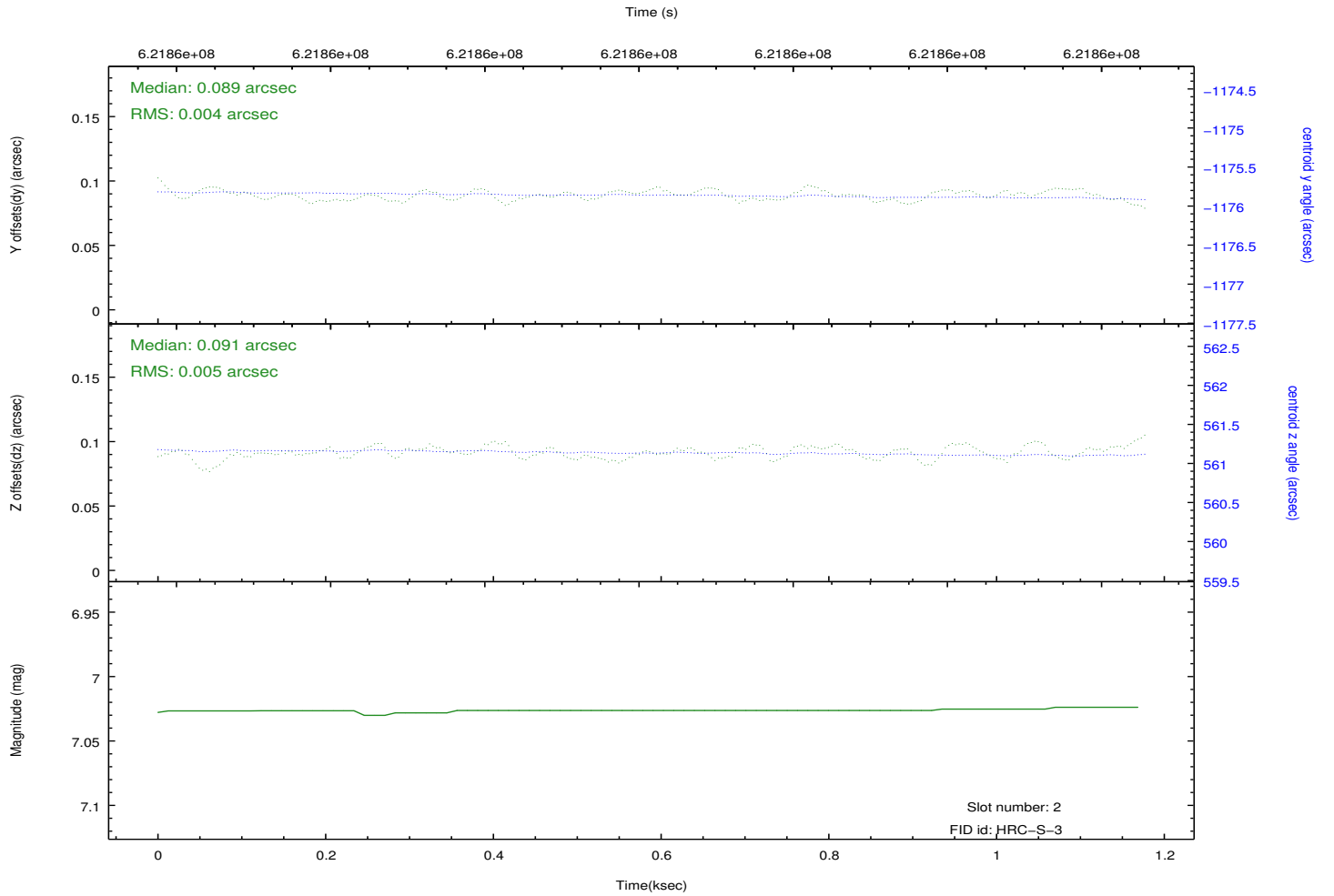
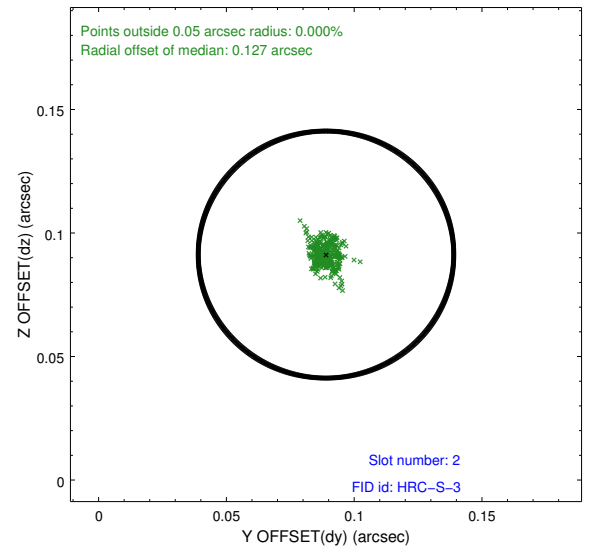
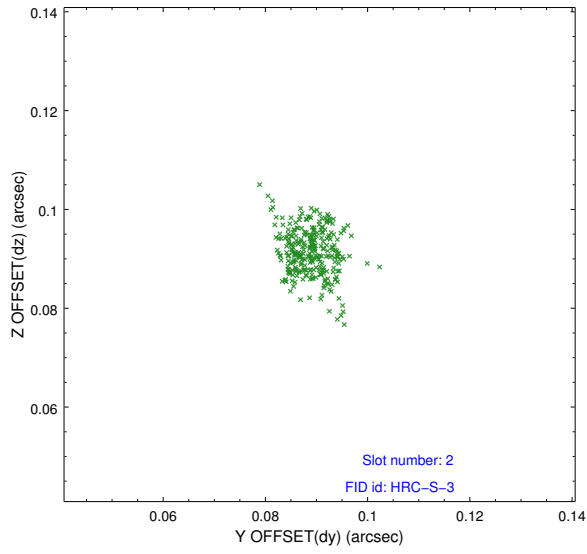
2.5.1 Slot 0



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)	2017.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813187122

A.2 Comments