

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19807 - L2 Version 1
Chandra X-Ray Center

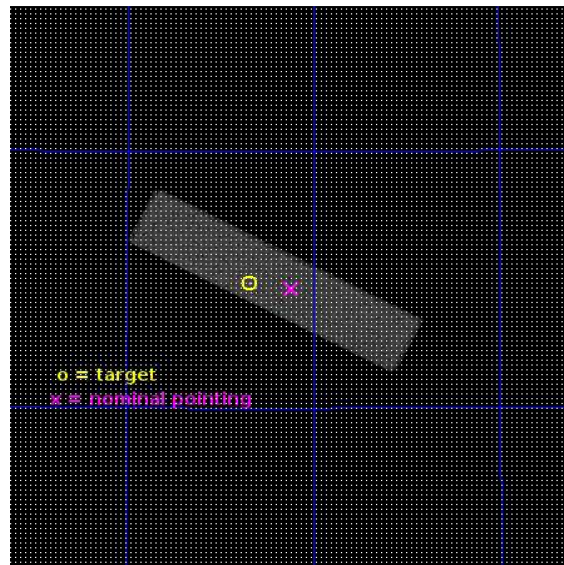
L2 Processing Date : Sep 16 2017

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1 Front

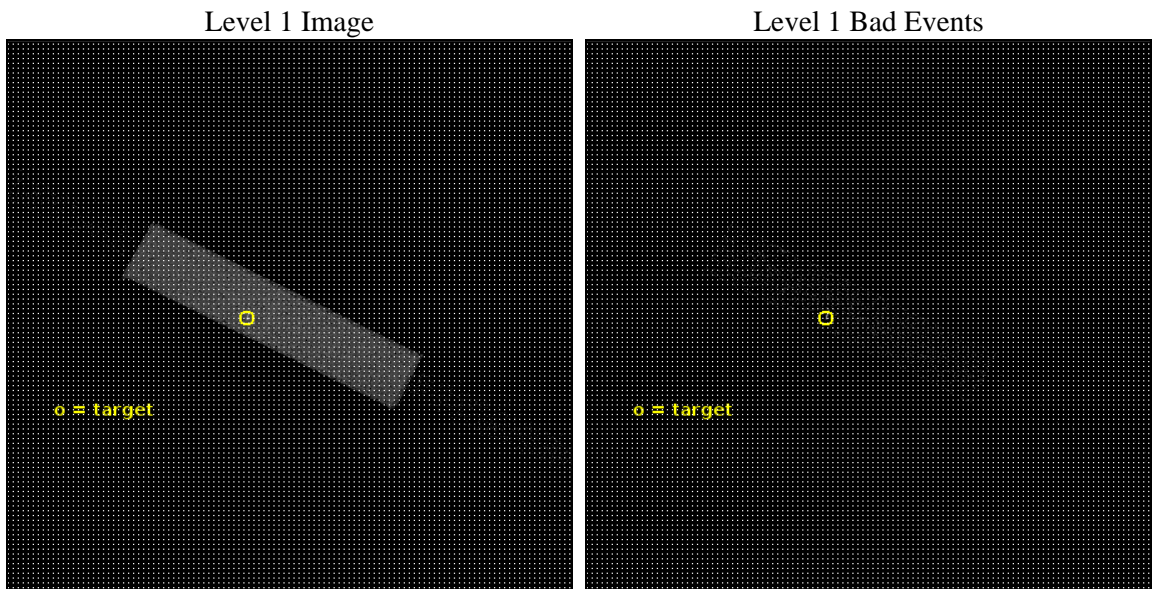
seq_num	291324	Sequence number
obs_id	19807	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.05815796109	Nominal RA [deg]
dec_nom	45.732060115916	Nominal Dec [deg]
roll_nom	207.16655381467	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.9813190699	[s]
livetime	1168.0145286191	Ontime multiplied by DTCOR
l2events	79040	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	1177.9813190699	[s]
caldsver	4.7.6	 	l1events	119108	Number of level 1 events
date	2017-09-16T05:00:43	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

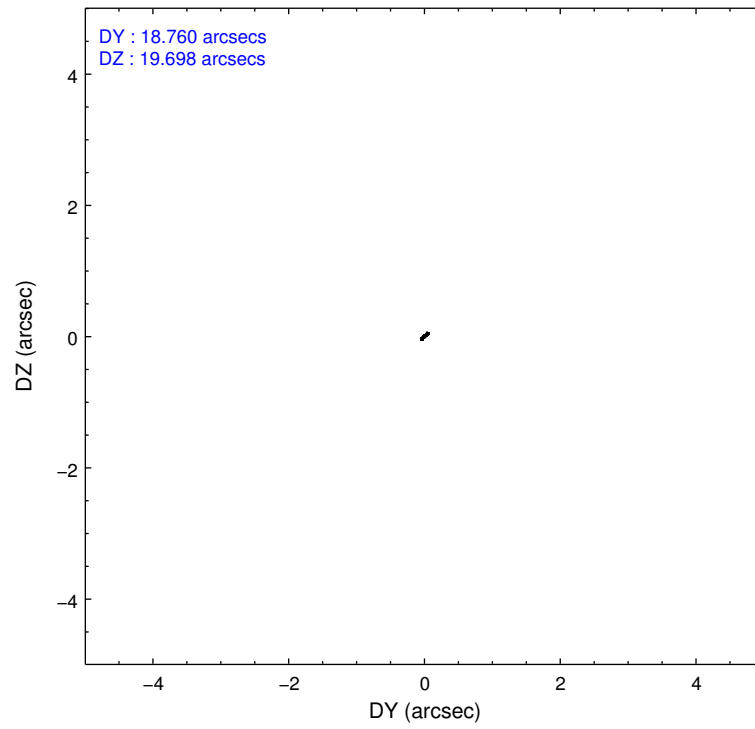
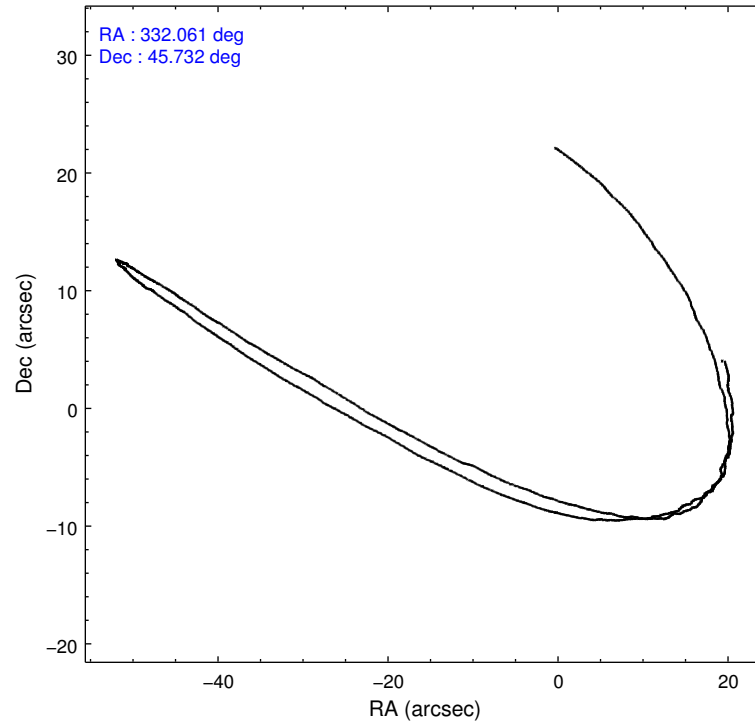
	segment 1	segment 2	segment 3
level 1 events	871	117312	925
rejected events	871	26370	925
rejected %	100%	22%	100%

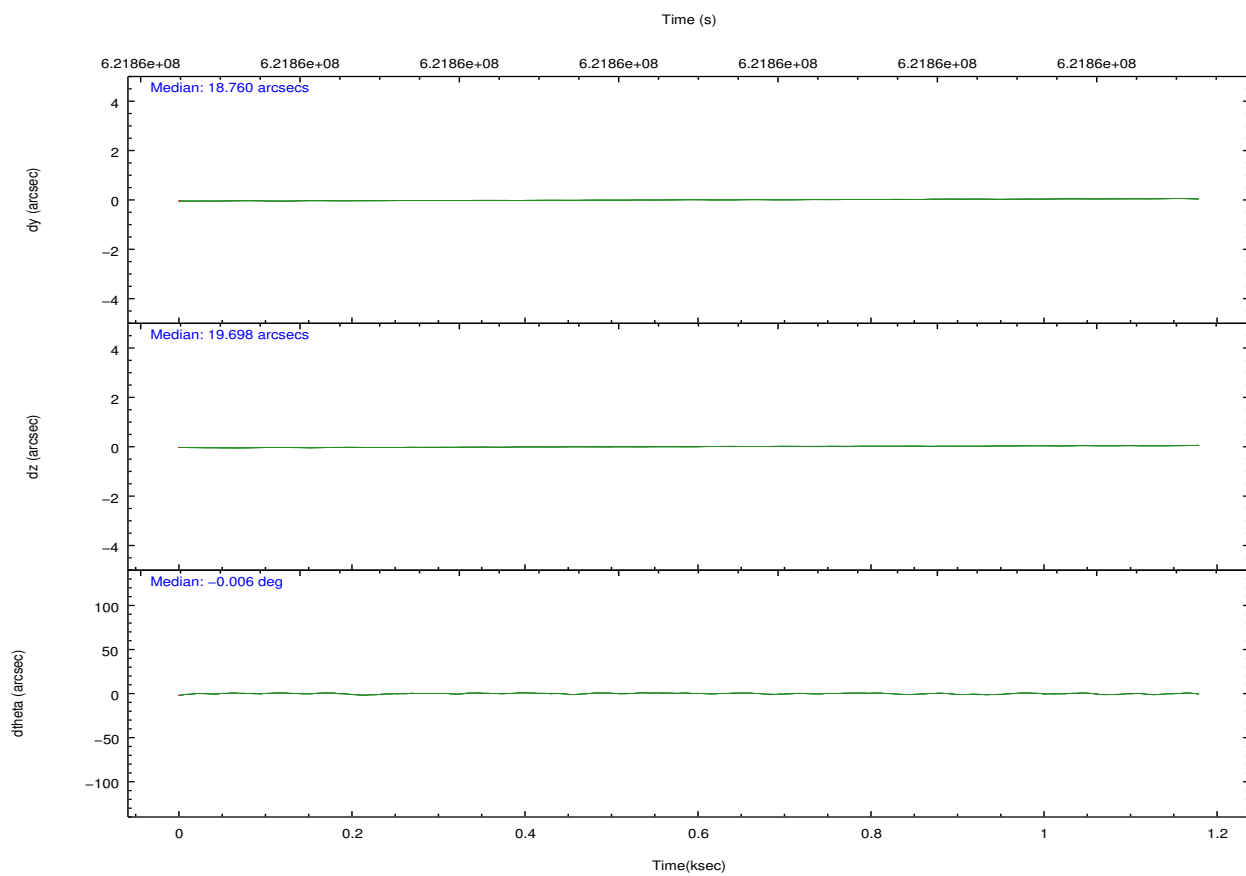
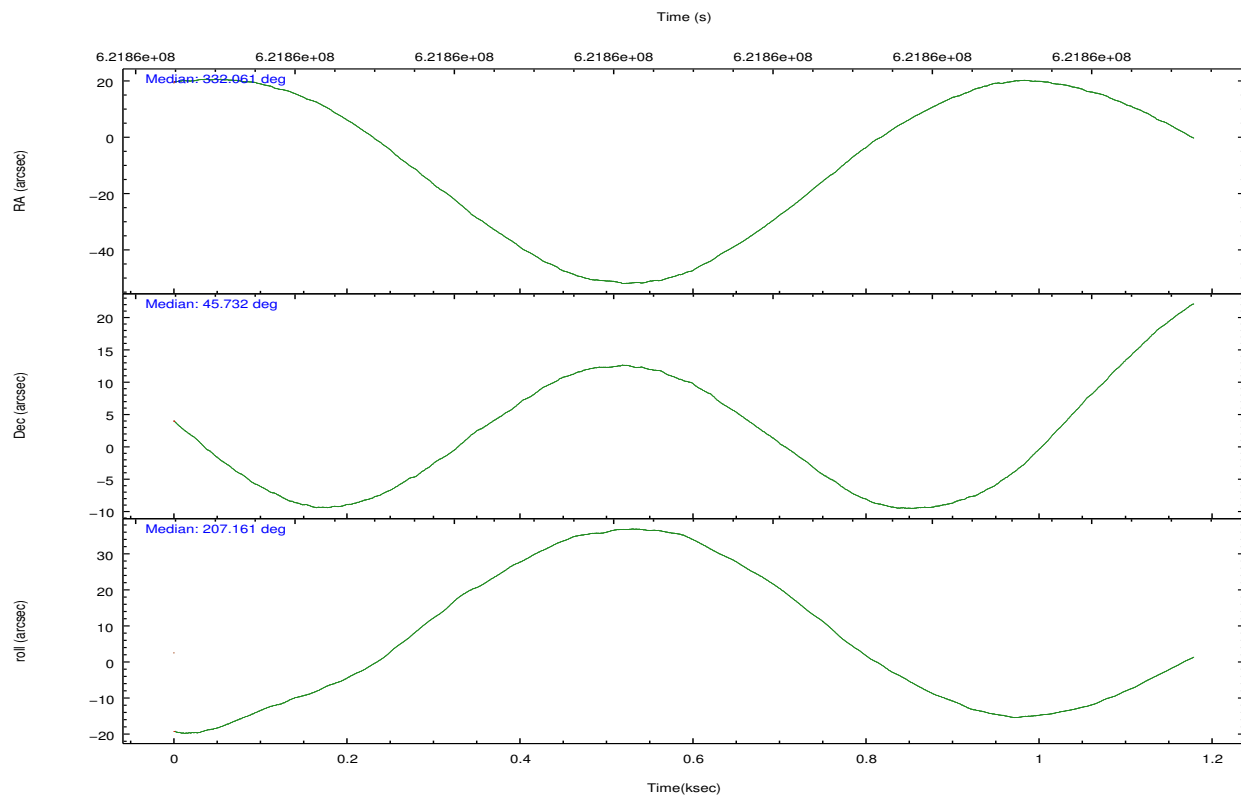
2.2 Compared Parameters

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	332.077720	332.0581579610918
[deg] Pointing Dec	45.757762	45.73206011591634
[deg] Pointing Roll	207.085205	207.1665538146687
[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)	621861492.184000	621861116.38205
Observation start date	2017-09-15T11:17:03	2017-09-15T11:11:56
[s] Observation end time (MET)	621862492.184000	621862626.20714
Observation end date	2017-09-15T11:33:43	2017-09-15T11:37:06

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

2.3 Aspect



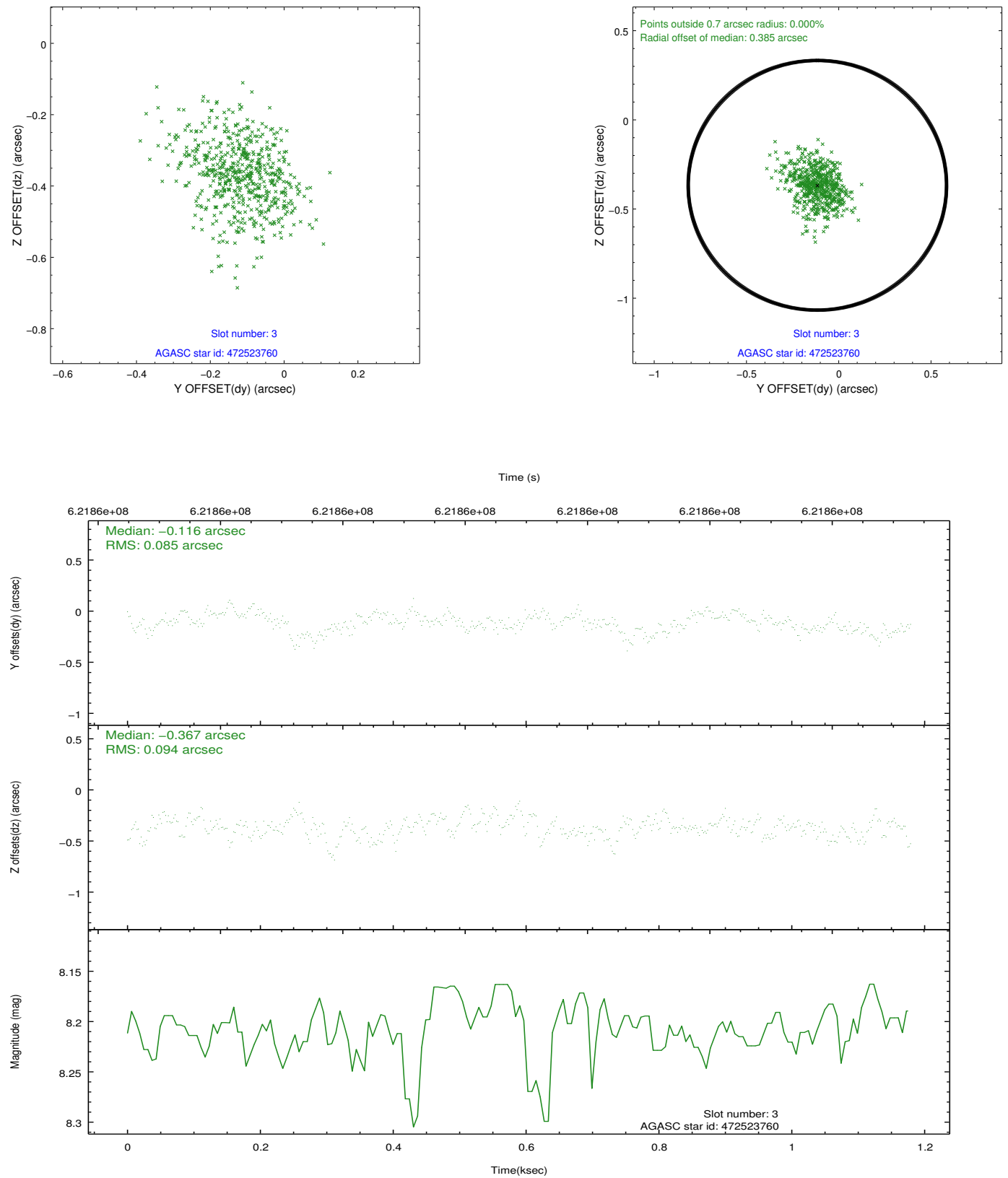


Slot Statistics

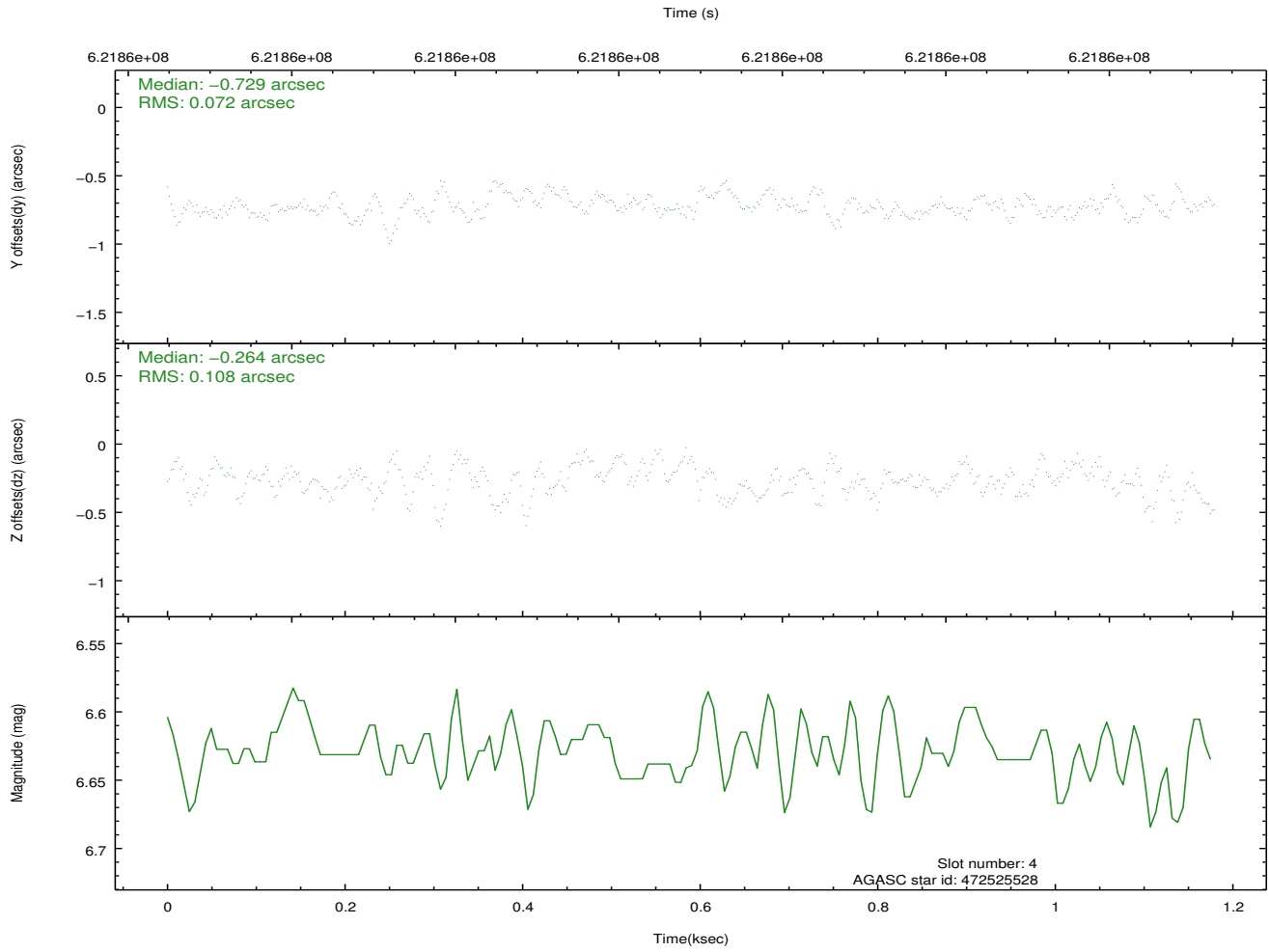
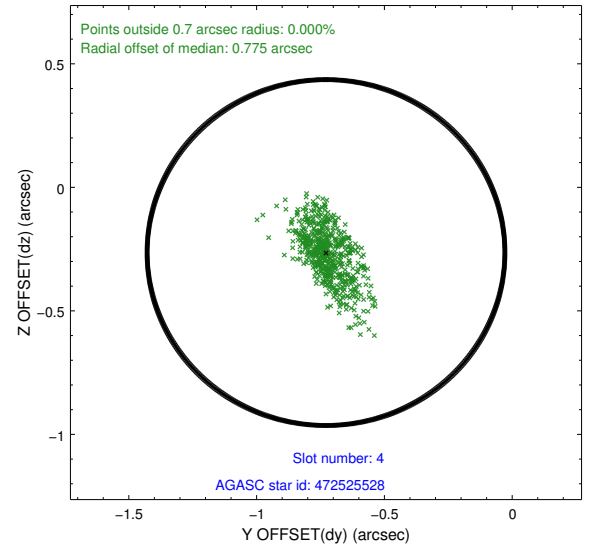
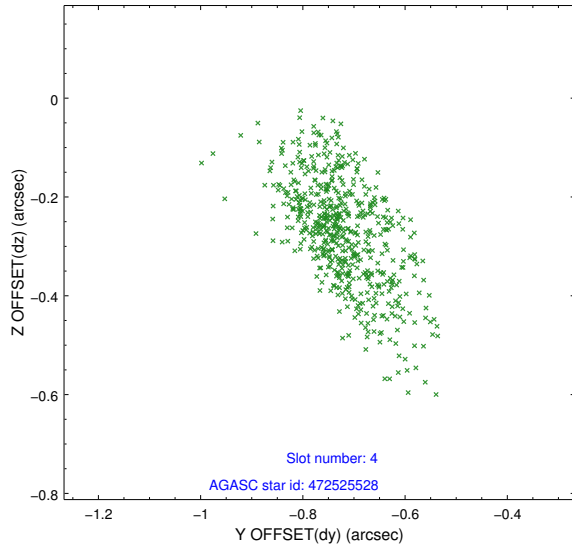
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.05	288	-0.050	-0.279	0.007	0.012	0.000000	0.000000	-1173.35	-468.86
1	FID		HRC-S-2	7.00	288	0.350	-0.117	0.005	0.010	0.000000	0.000000	1222.63	-462.88
2	FID		HRC-S-3	7.03	288	0.090	0.093	0.007	0.014	0.000000	0.000000	-1171.73	559.42
3	GUIDE	used	472523760	8.21	574	-0.116	-0.367	0.136	0.225	331.645363	45.403260	1554.54	632.47
4	GUIDE	used	472525528	6.63	576	-0.729	-0.264	0.133	0.238	331.551102	45.248694	2024.42	1017.75
5	GUIDE	used	472535576	7.83	576	-0.020	0.166	0.135	0.242	331.438373	46.291802	543.15	-2442.85
6	GUIDE	used	472533912	9.12	576	0.409	0.102	0.250	0.370	331.791136	46.368695	-364.95	-2290.90
7	GUIDE	used	472665256	8.96	573	0.476	0.365	0.160	0.259	332.808125	46.195041	-2339.51	-587.37

2.4 Star Slots

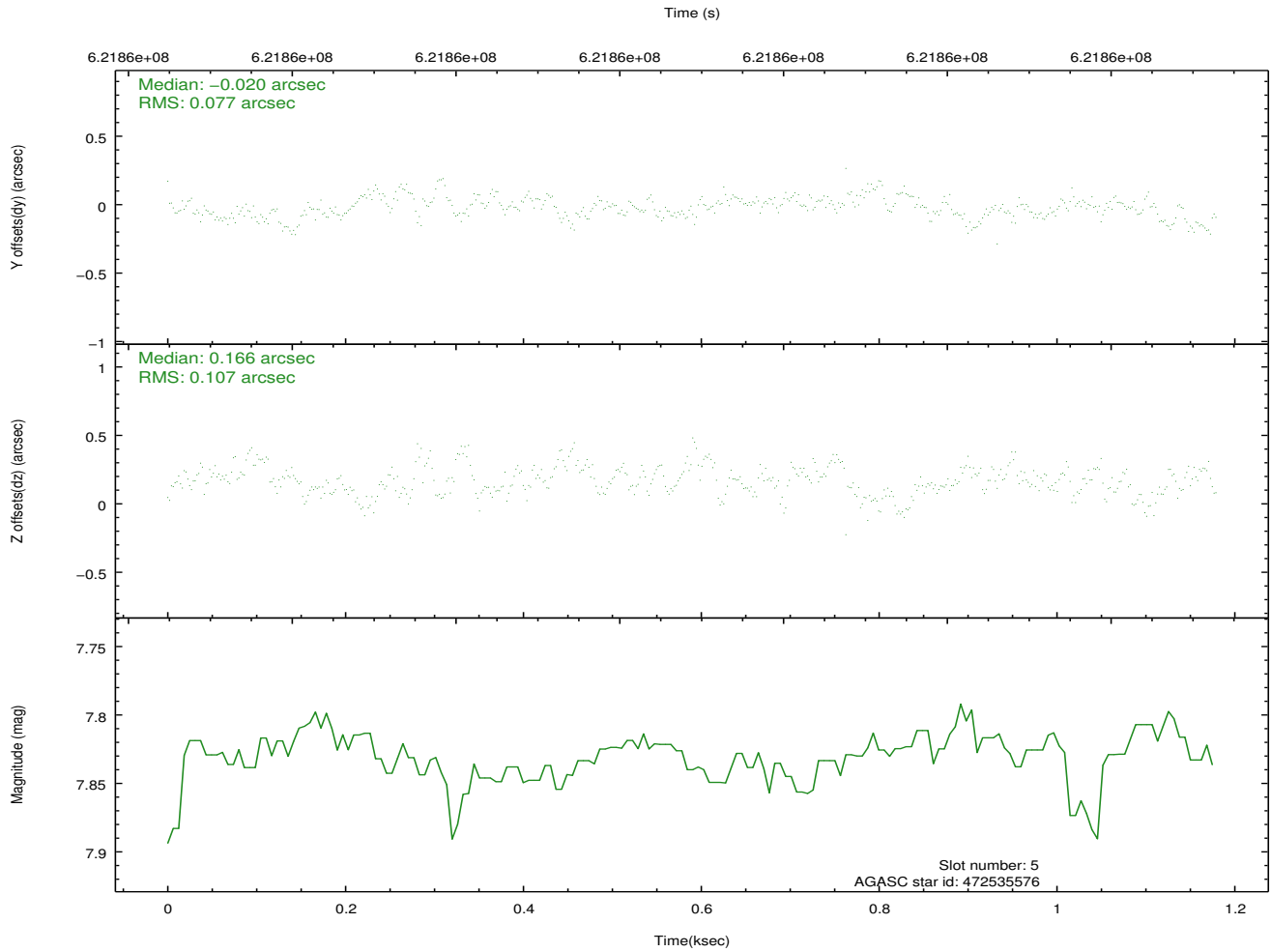
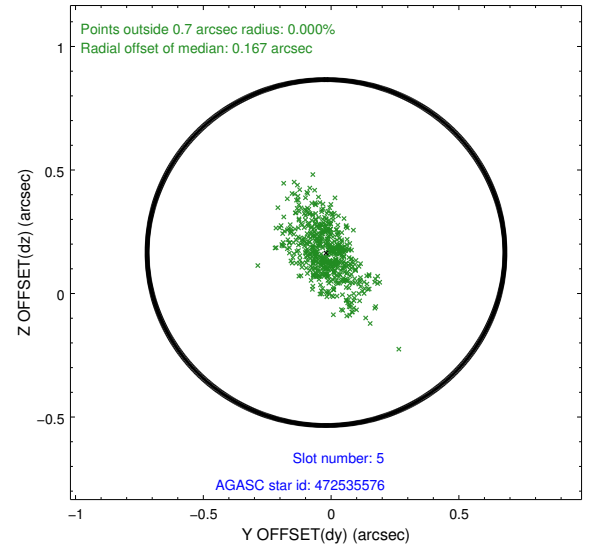
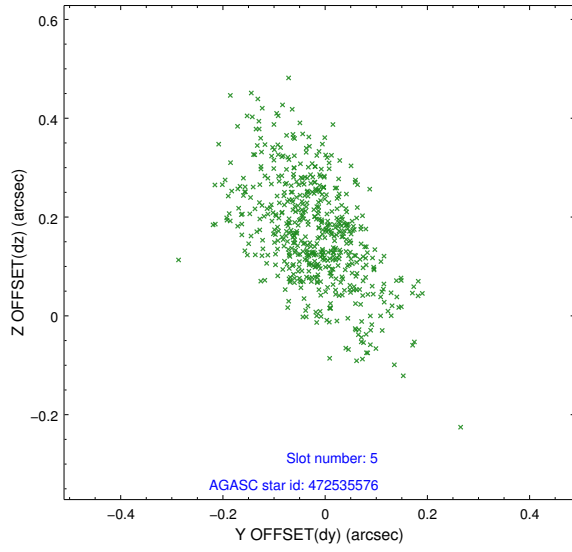
2.4.1 Slot 3



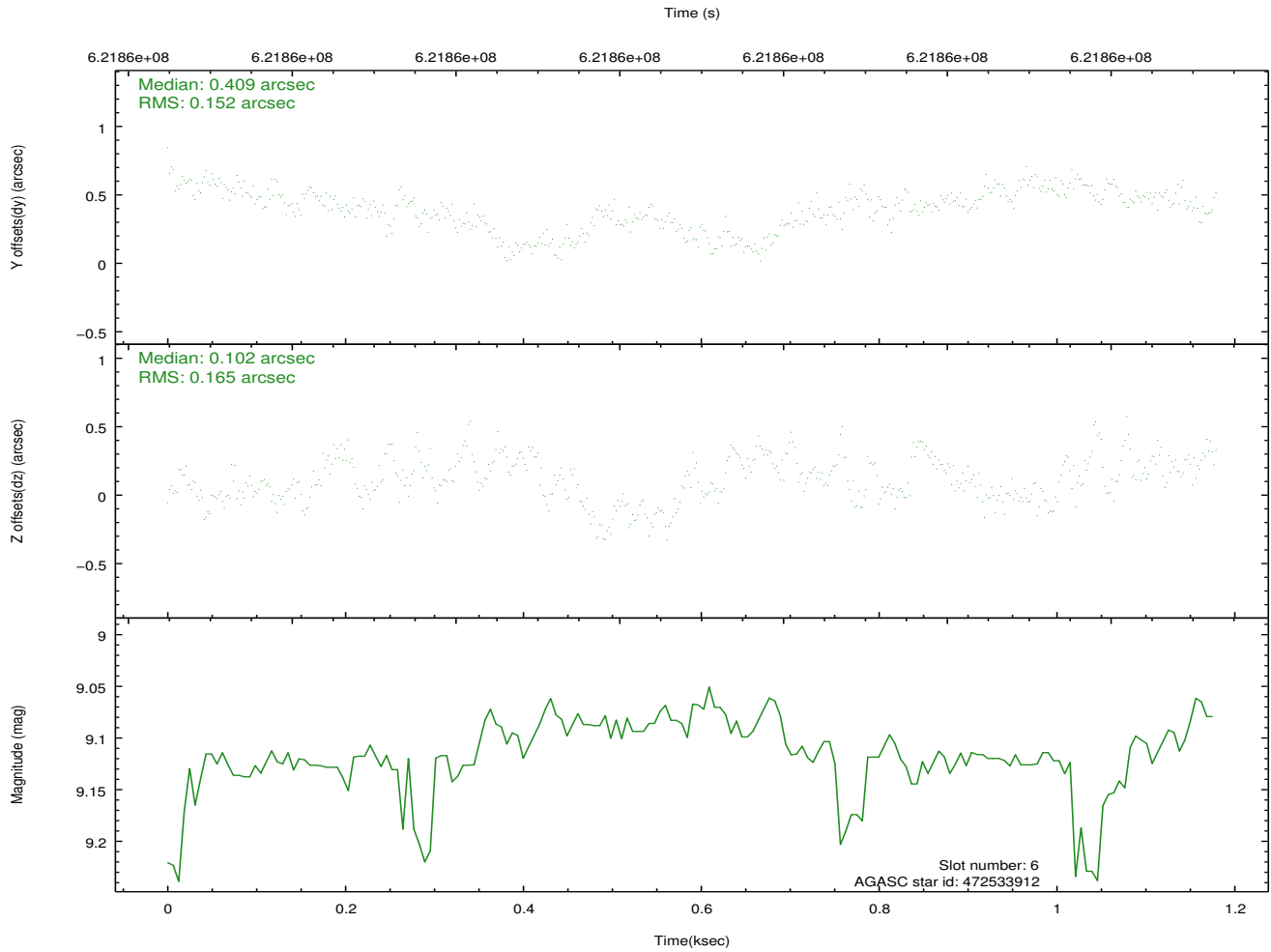
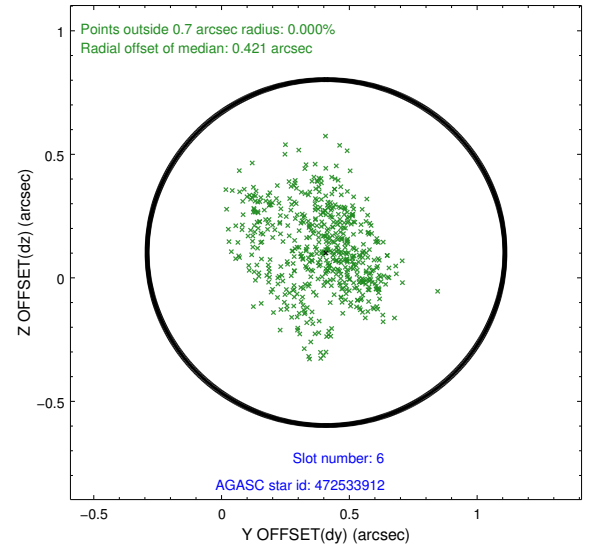
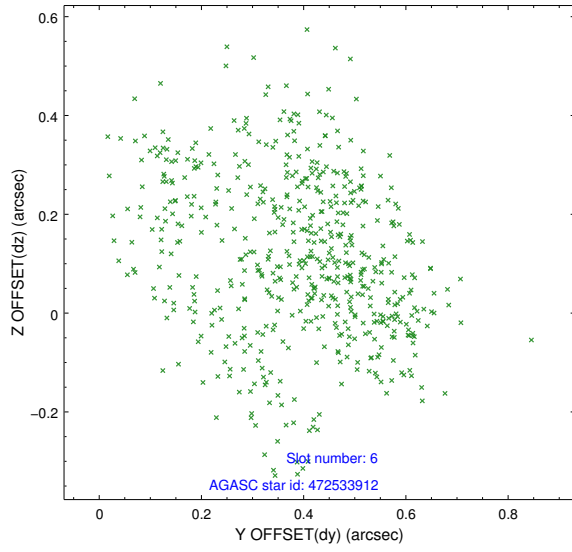
2.4.2 Slot 4



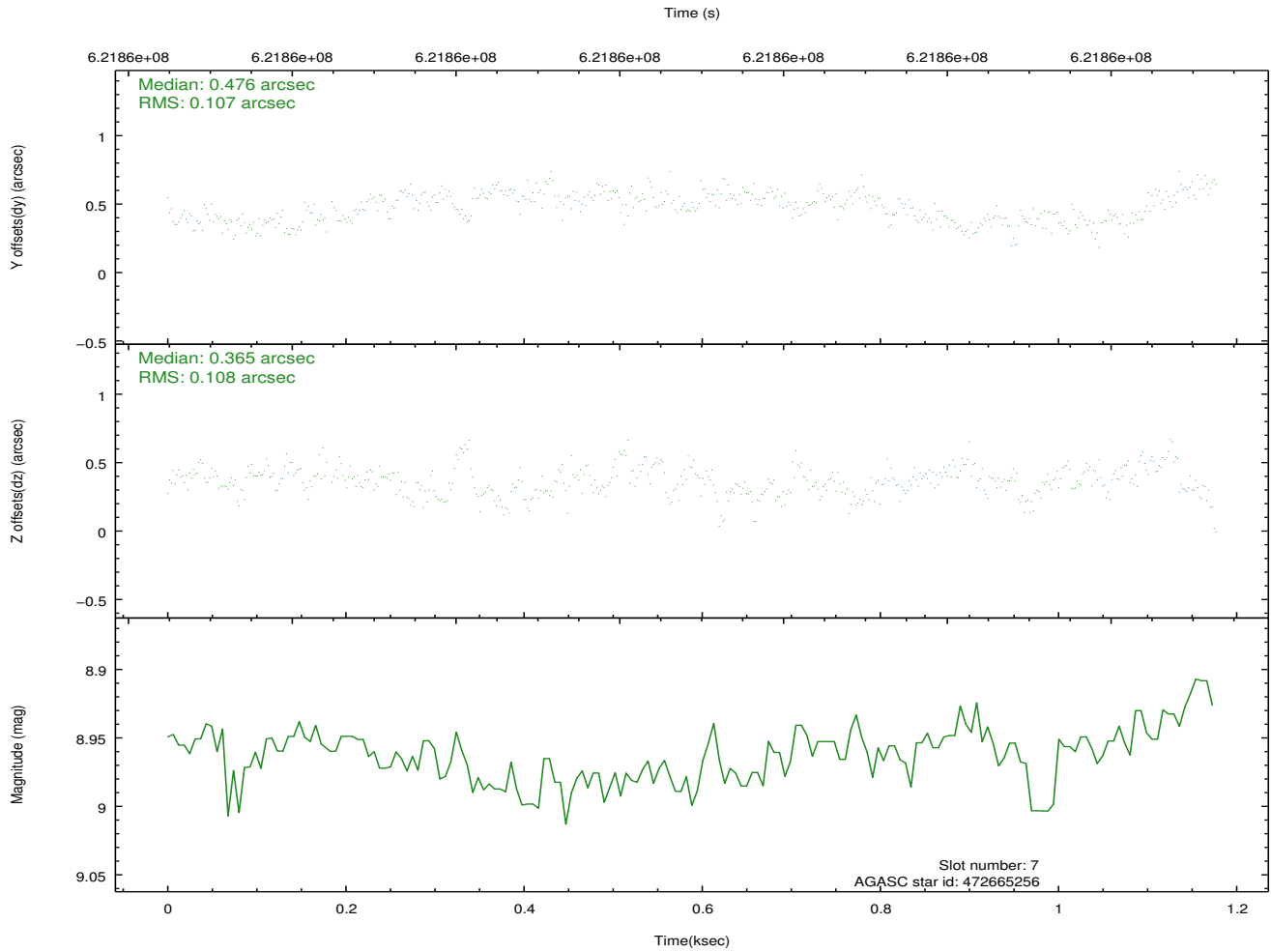
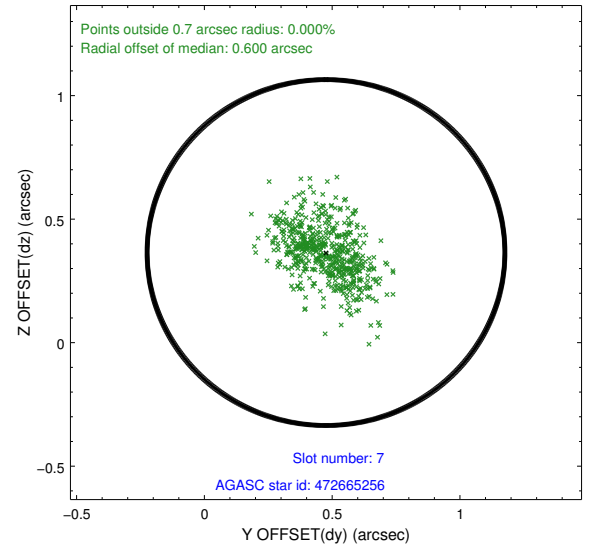
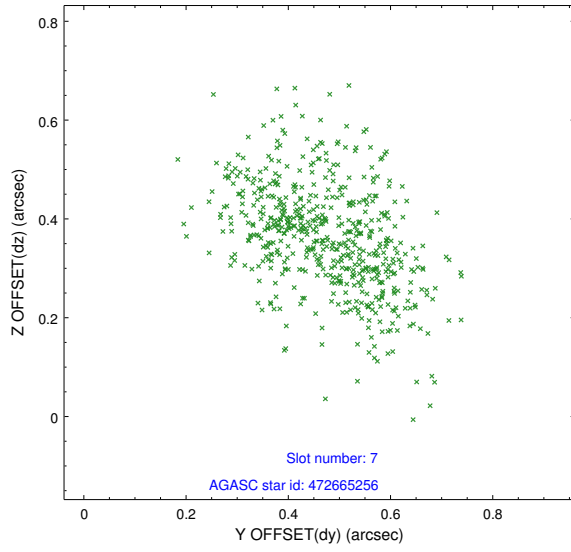
2.4.3 Slot 5



2.4.4 Slot 6

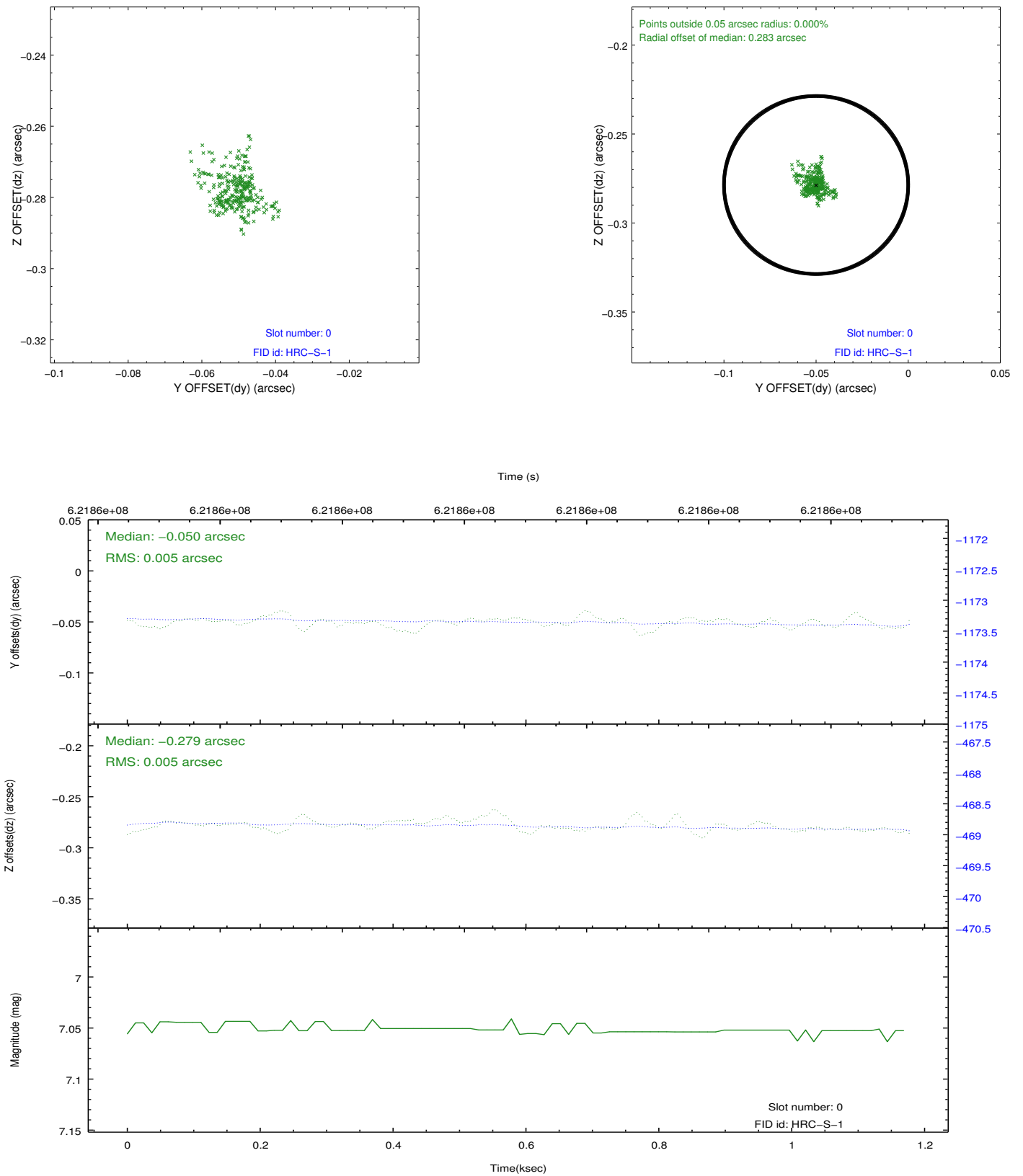


2.4.5 Slot 7

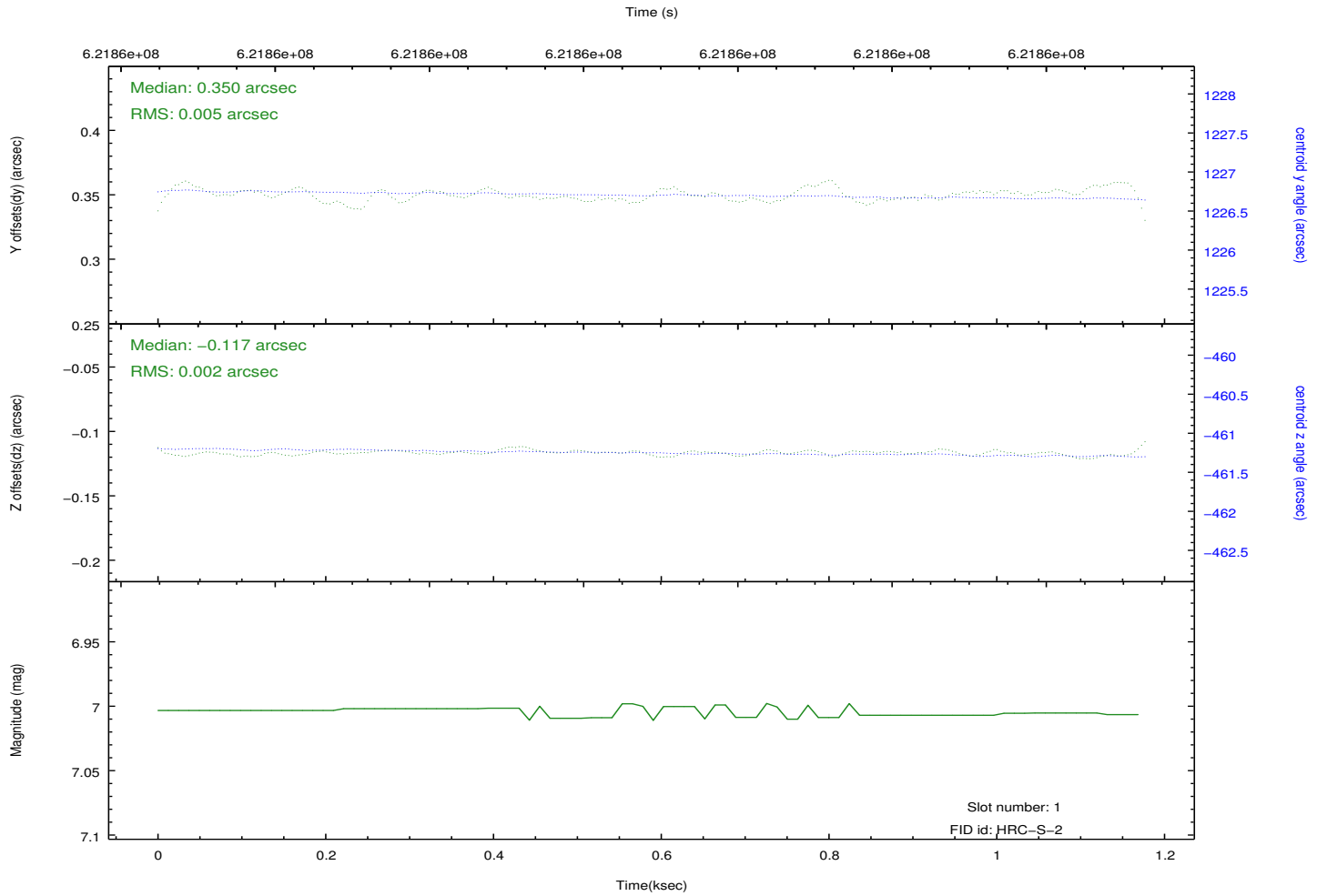
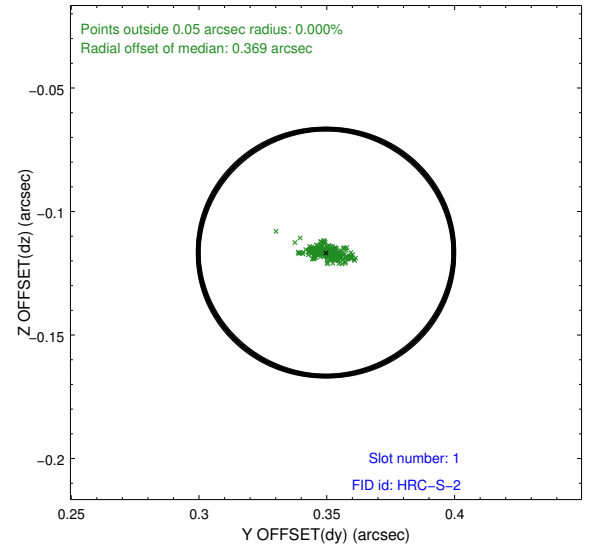
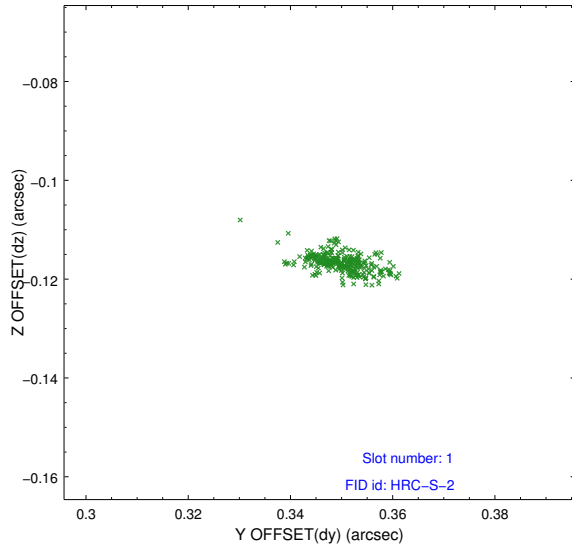


2.5 FID Slots

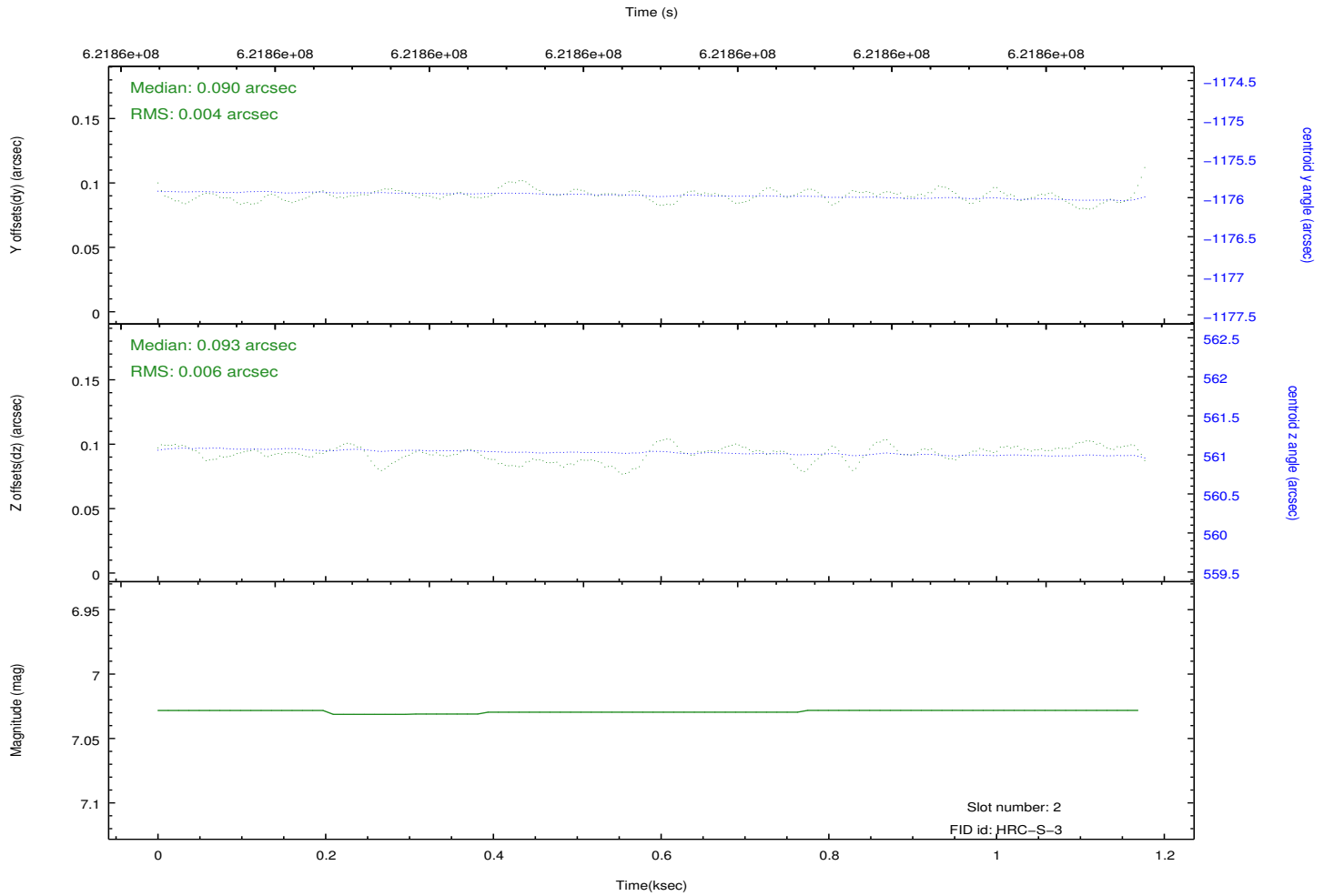
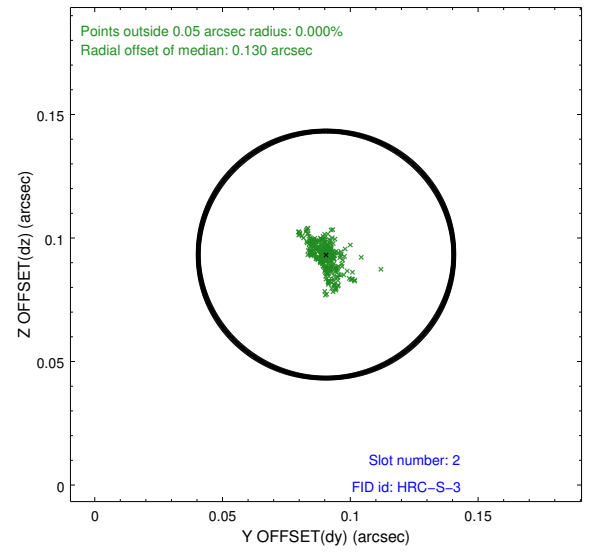
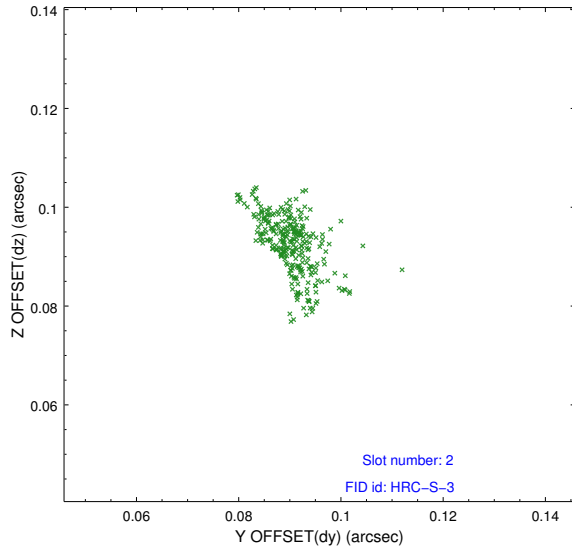
2.5.1 Slot 0



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	1.1779813190699

A.2 Comments