

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19811 - L2 Version 1
Chandra X-Ray Center

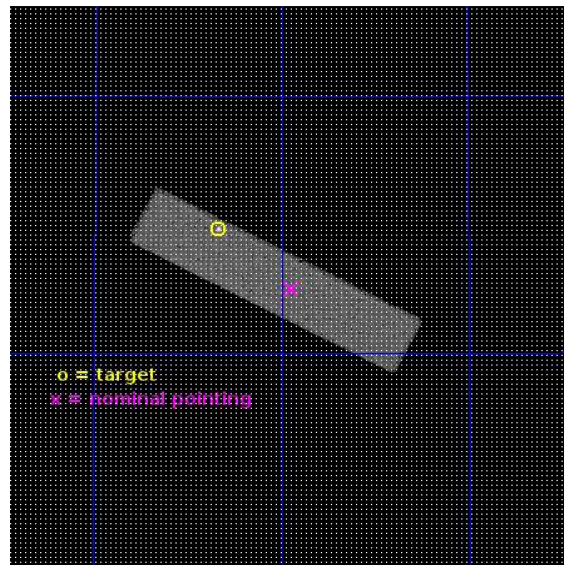
L2 Processing Date : Sep 16 2017

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1 Front

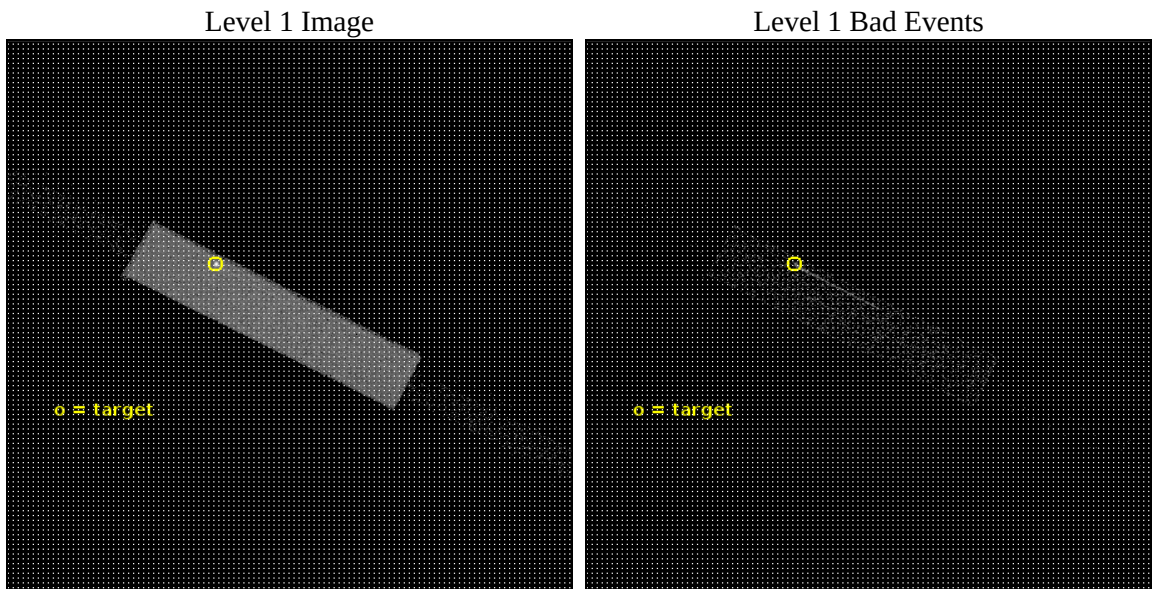
seq_num	291328	Sequence number
obs_id	19811	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.97383237716	Nominal RA [deg]
dec_nom	45.626167771266	Nominal Dec [deg]
roll_nom	207.39314140424	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1173.8813188076	[s]
livetime	1164.4333599605	Ontime multiplied by DTCOR
l2events	73486	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	1173.8813188076	[s]
caldbver	4.7.6	 	l1events	110893	Number of level 1 events
date	2017-09-16T05:03:29	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

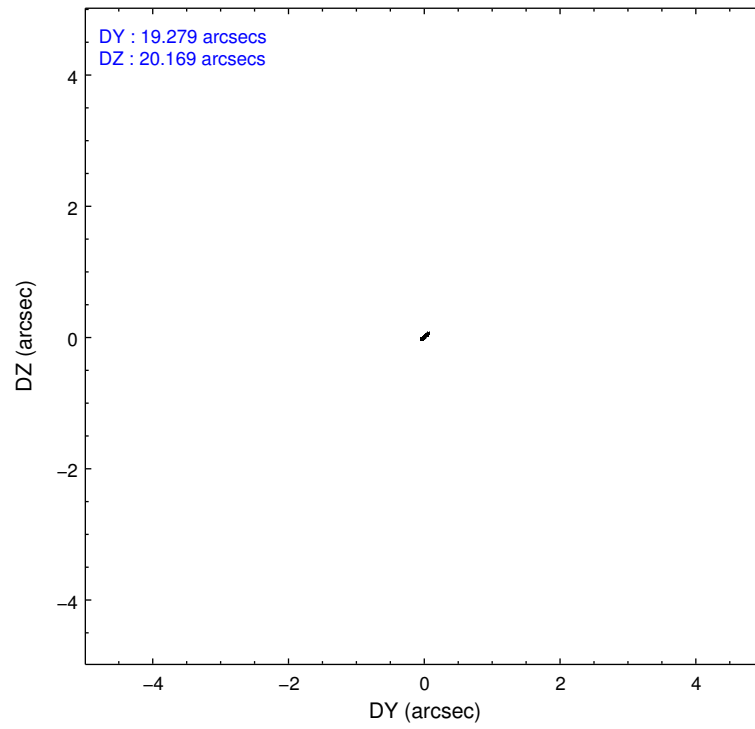
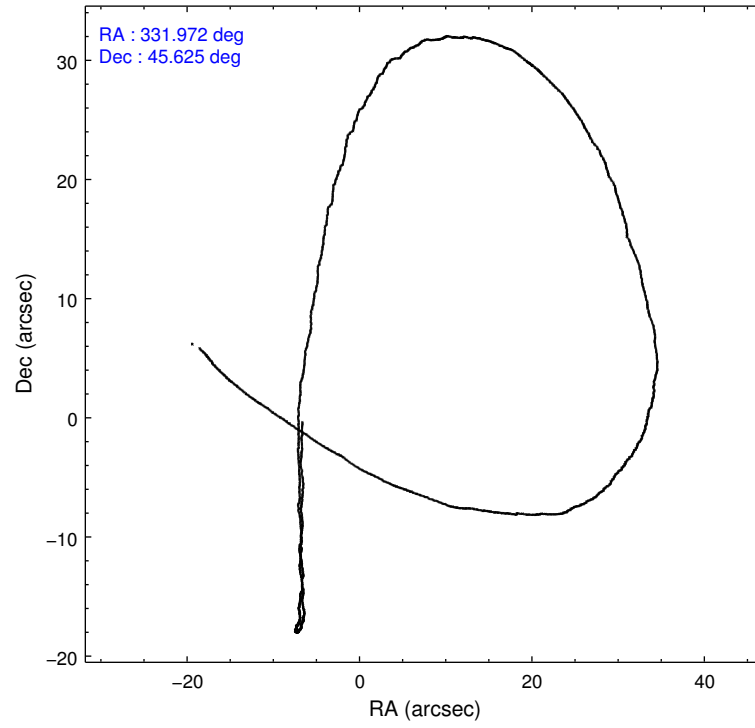
Level 1 Events

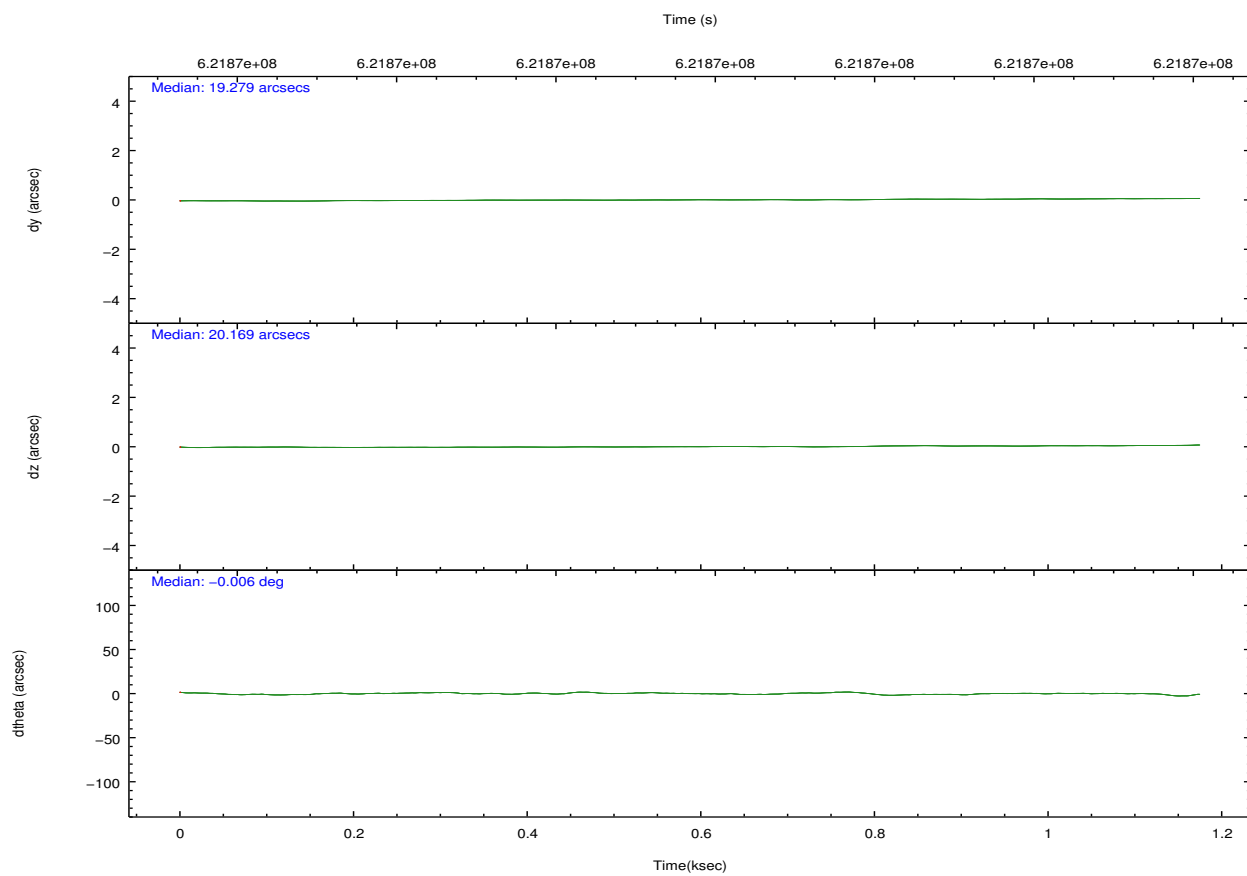
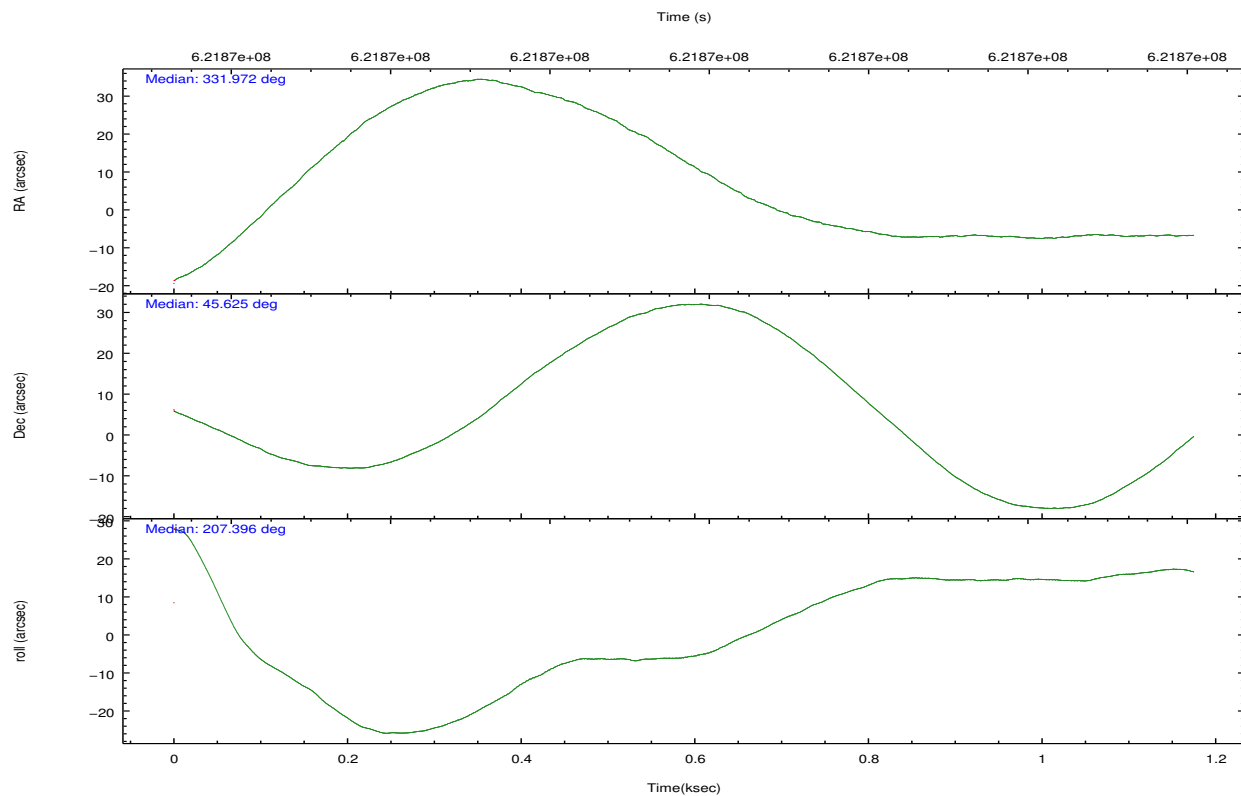
	segment 1	segment 2	segment 3
level 1 events	1057	108805	1031
rejected events	1057	23471	1031
rejected %	100%	21%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.994024	331.9738323771564			
[deg] Pointing Dec	45.652379	45.62616777126596			
[deg] Pointing Roll	207.311207	207.3931414042361			
[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)	621867532.184000	621867156.7074			
Observation start date	2017-09-15T12:57:43	2017-09-15T12:52:36			
[s] Observation end time (MET)	621868532.184000	621868666.53249			
Observation end date	2017-09-15T13:14:23	2017-09-15T13:17:46			

2.3 Aspect



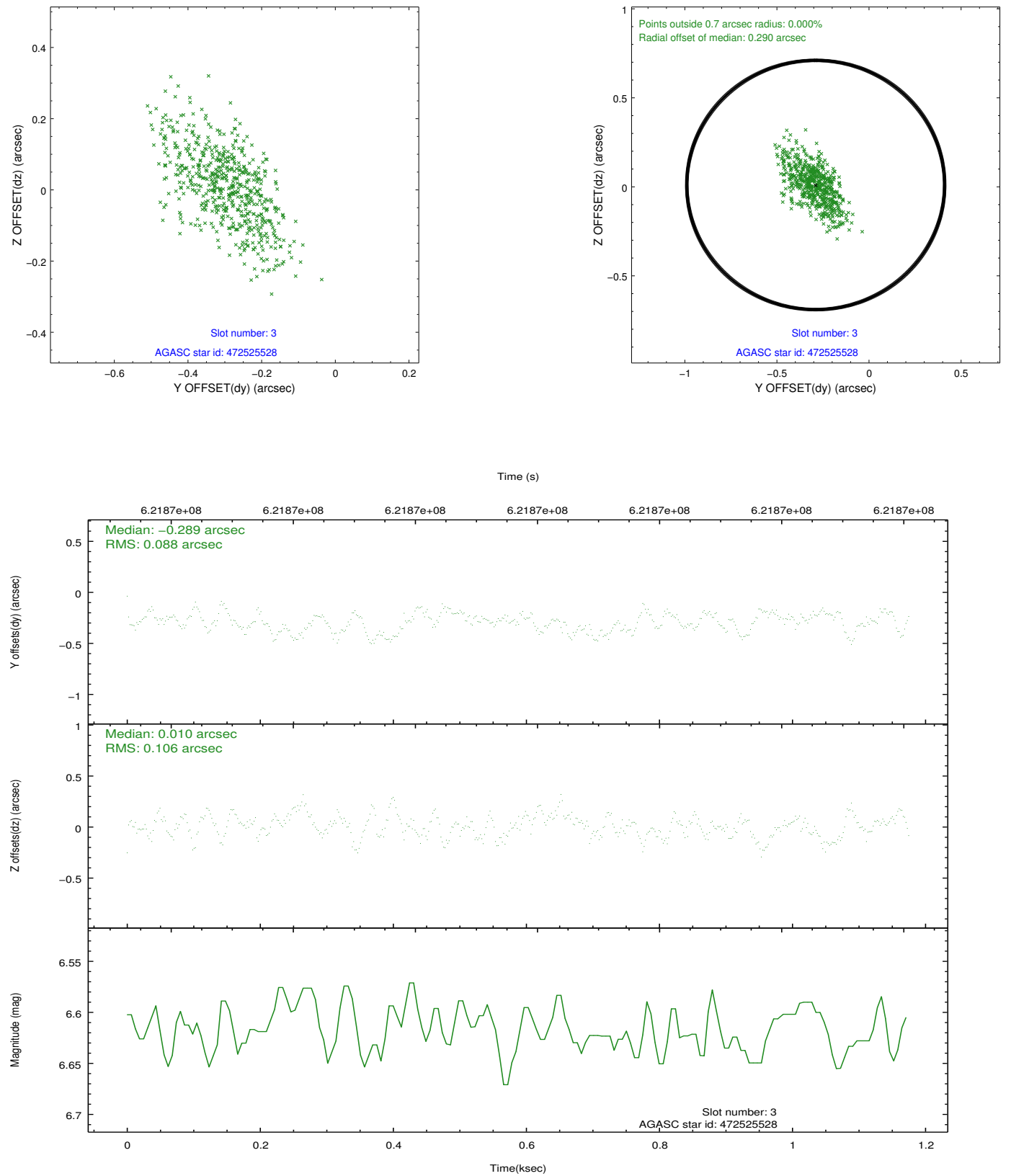


Slot Statistics

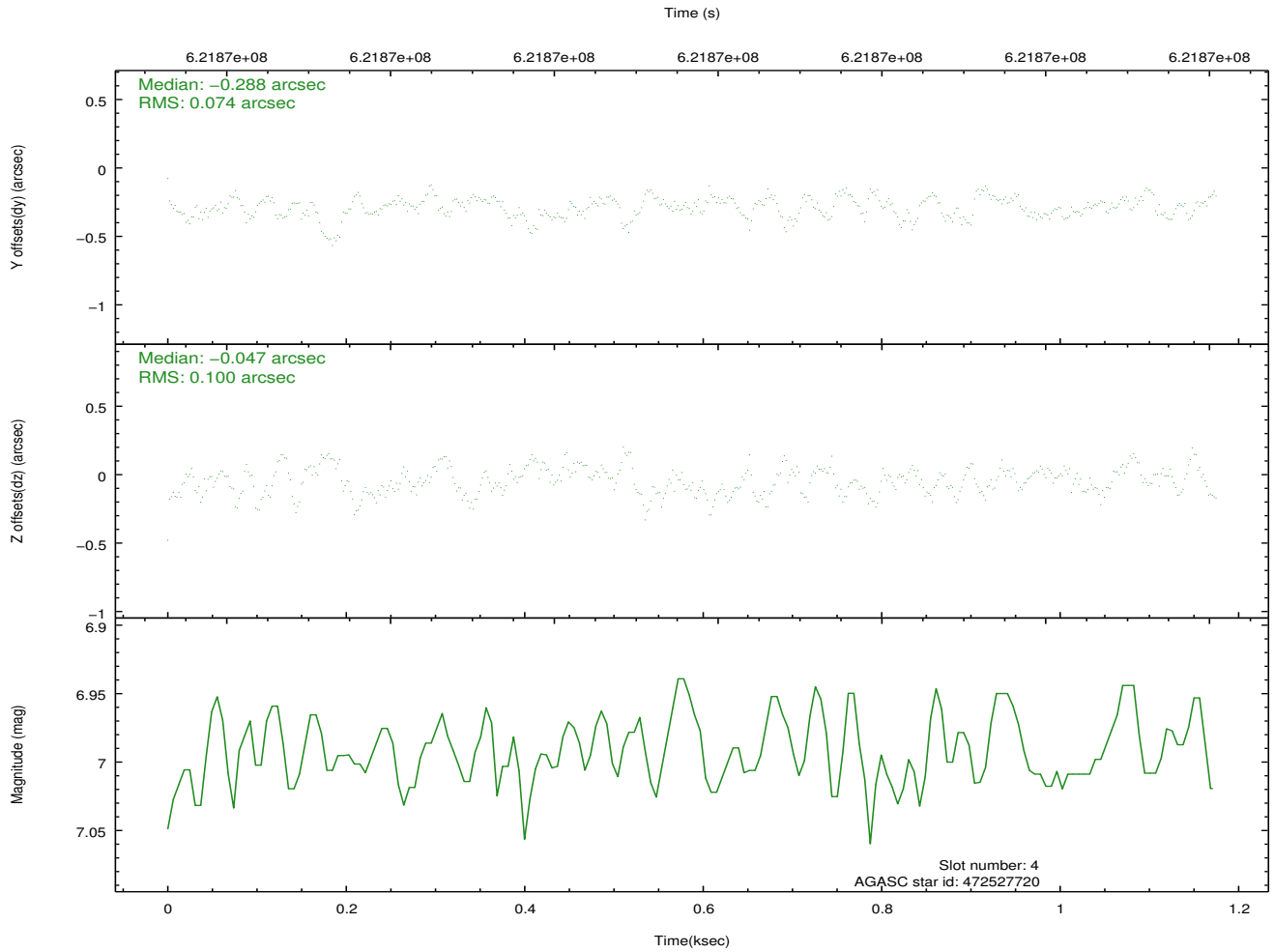
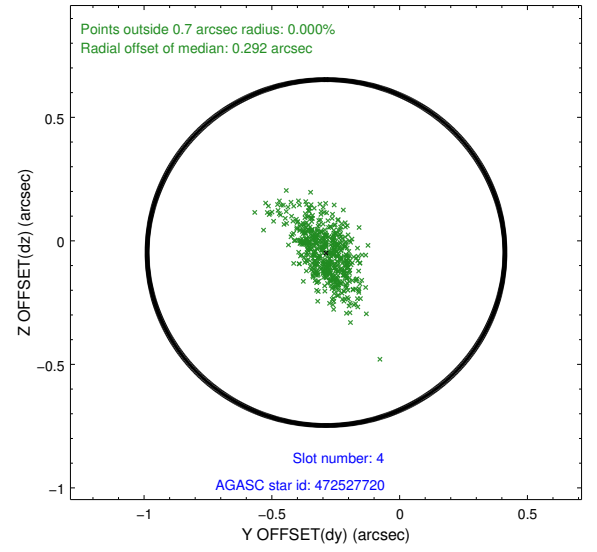
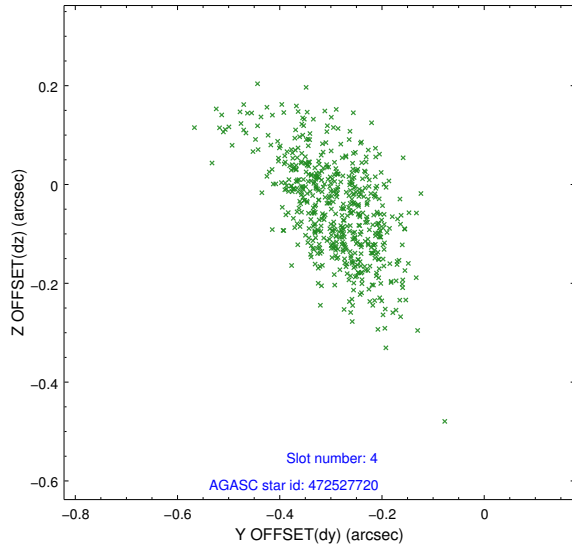
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.06	287	-0.061	-0.269	0.012	0.035	0.000000	0.000000	-1173.90	-469.35
1	FID		HRC-S-2	7.01	287	0.349	-0.111	0.006	0.014	0.000000	0.000000	1222.08	-463.36
2	FID		HRC-S-3	7.03	287	0.103	0.078	0.011	0.028	0.000000	0.000000	-1172.24	558.91
3	GUIDE	used	472525528	6.62	573	-0.289	0.010	0.143	0.257	331.551102	45.248694	1661.56	769.44
4	GUIDE	used	472527720	6.99	574	-0.288	-0.047	0.121	0.234	331.460205	45.112509	2096.34	1097.86
5	GUIDE	used	472655152	9.40	574	0.568	0.272	0.177	0.274	332.504239	45.862991	-1483.13	-91.93
6	GUIDE	used	420754040	9.04	573	-0.288	-0.470	0.168	0.286	331.917939	44.882543	1438.14	2369.06
7	GUIDE	used	472651904	6.11	573	0.308	0.242	0.137	0.230	332.170077	45.742257	-539.49	-85.75

2.4 Star Slots

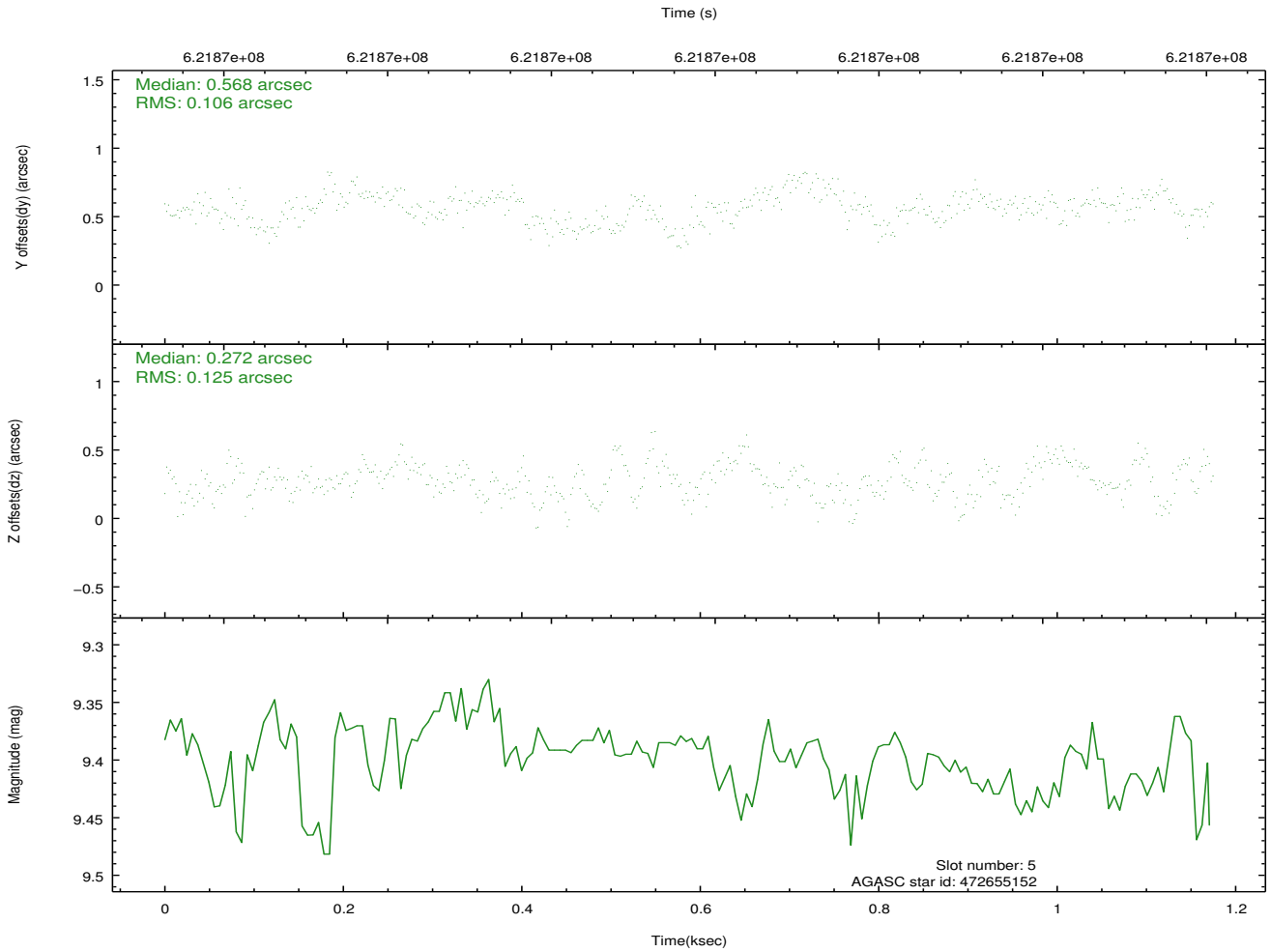
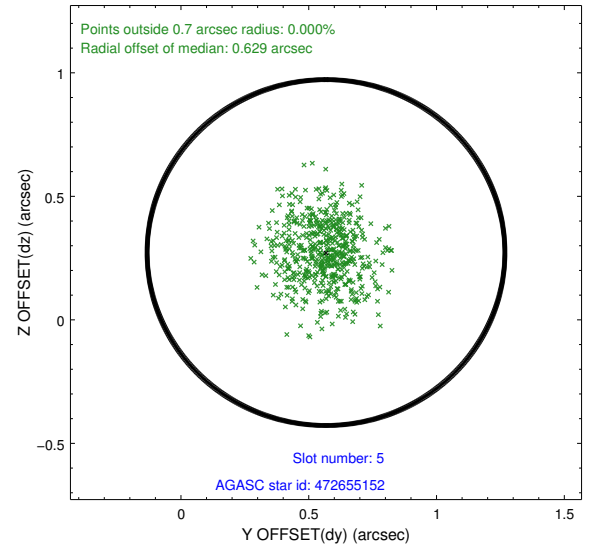
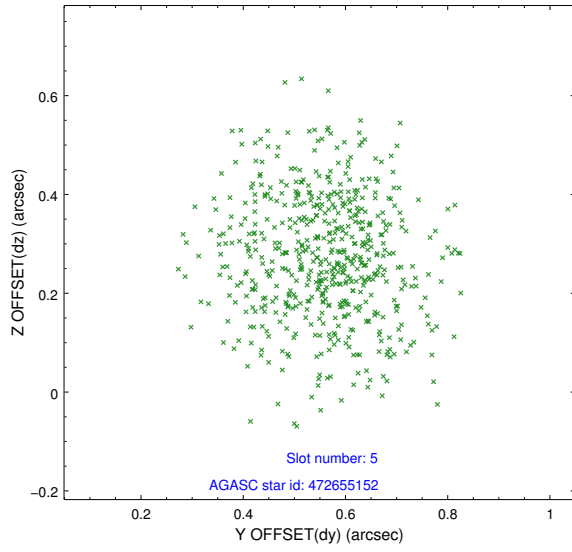
2.4.1 Slot 3



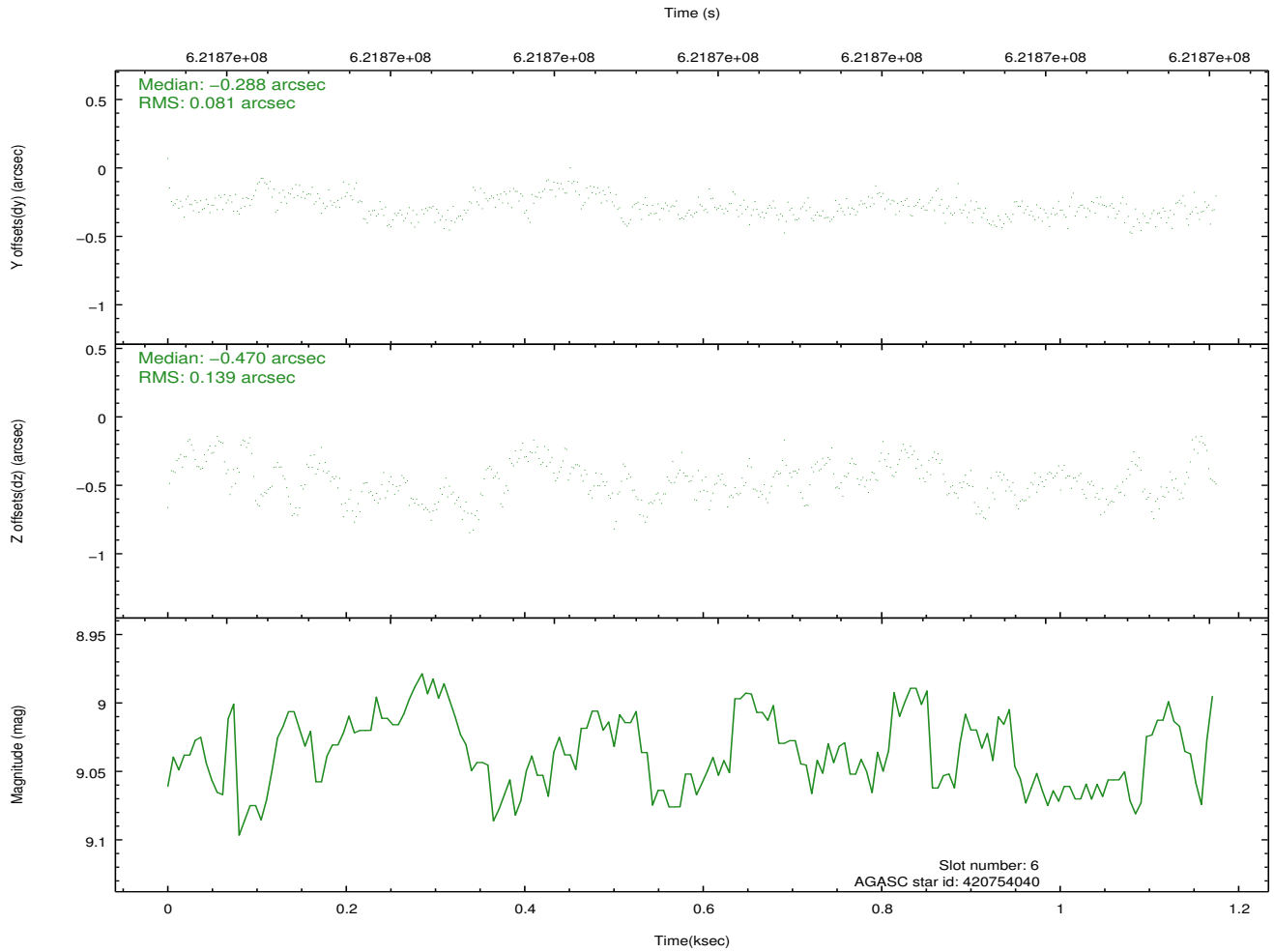
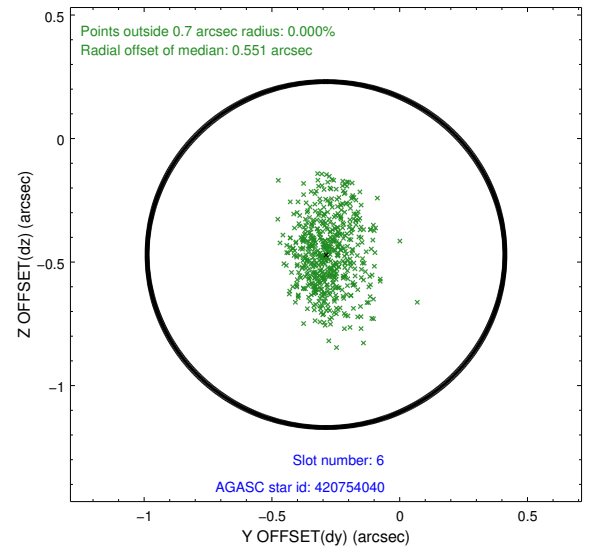
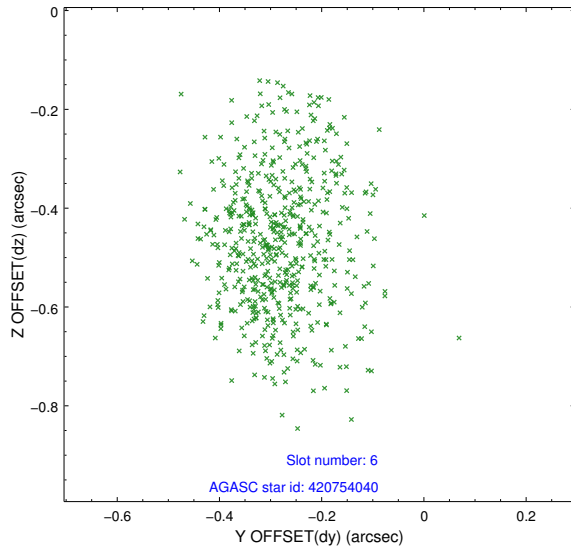
2.4.2 Slot 4



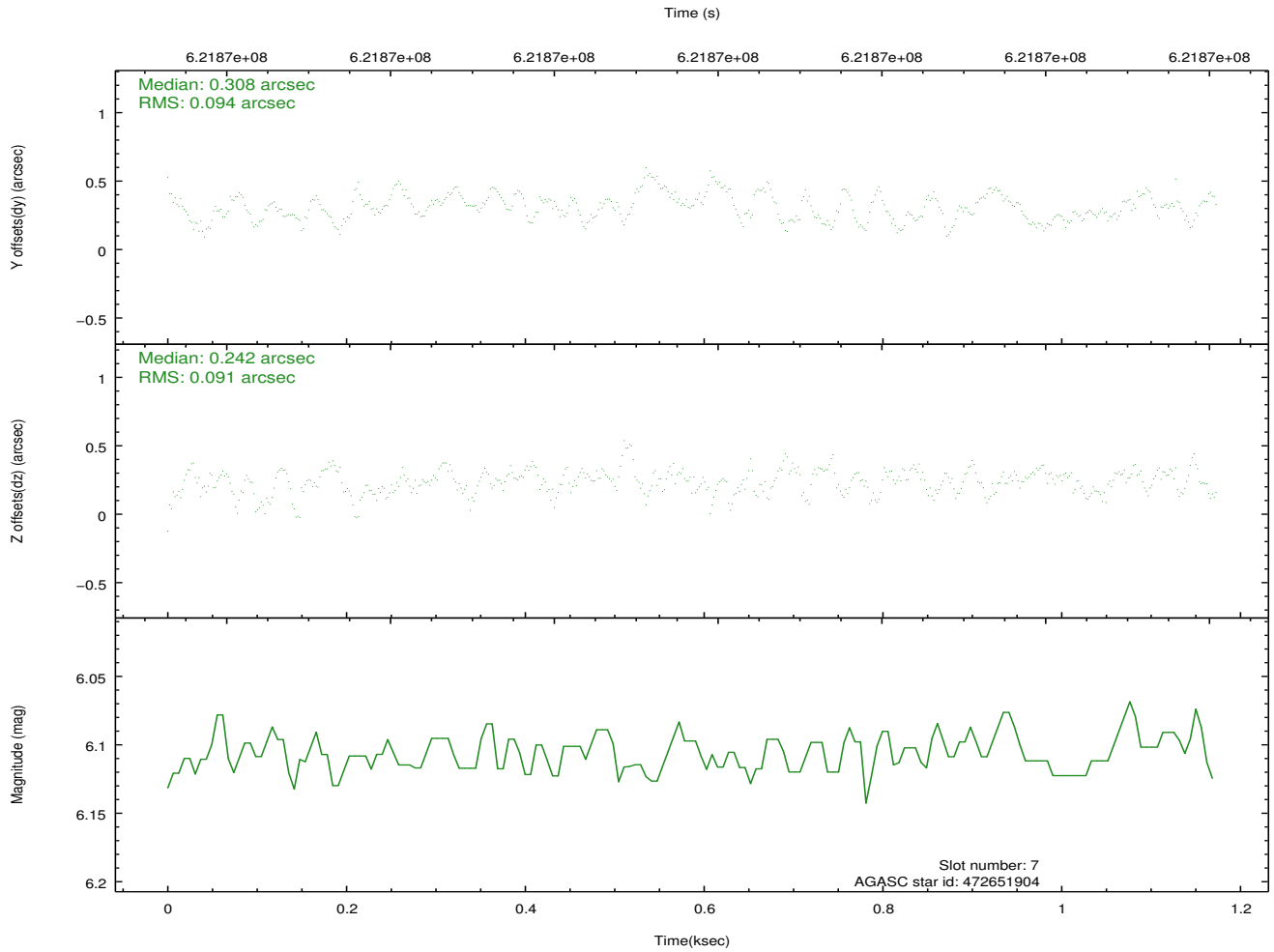
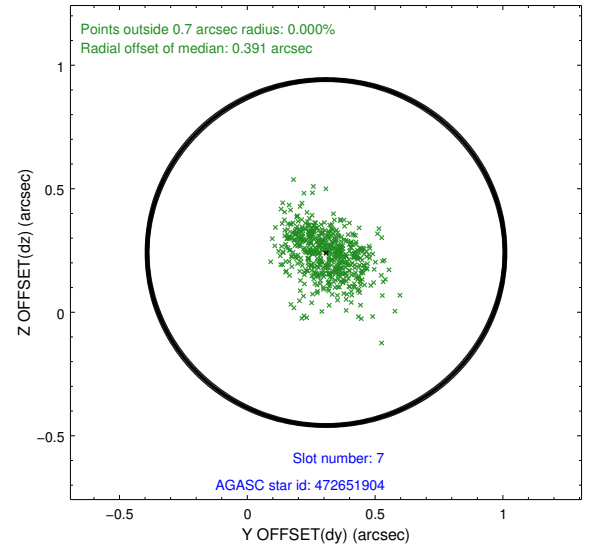
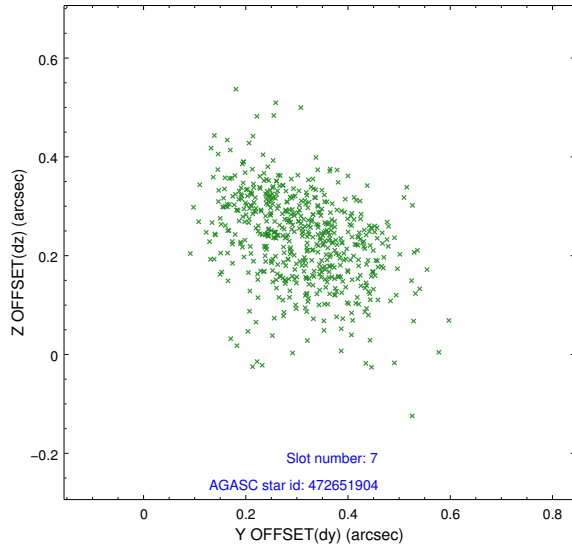
2.4.3 Slot 5



2.4.4 Slot 6

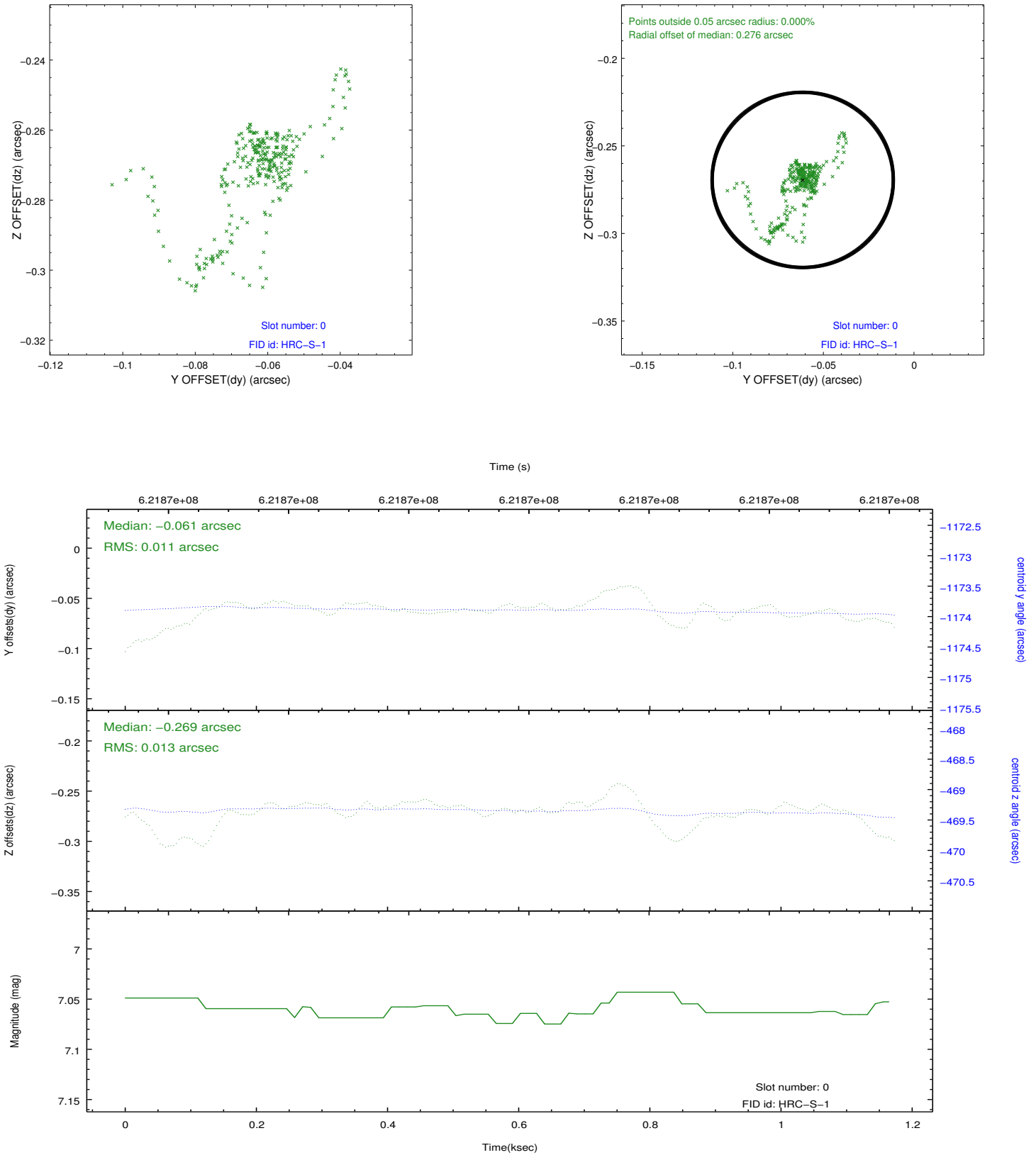


2.4.5 Slot 7

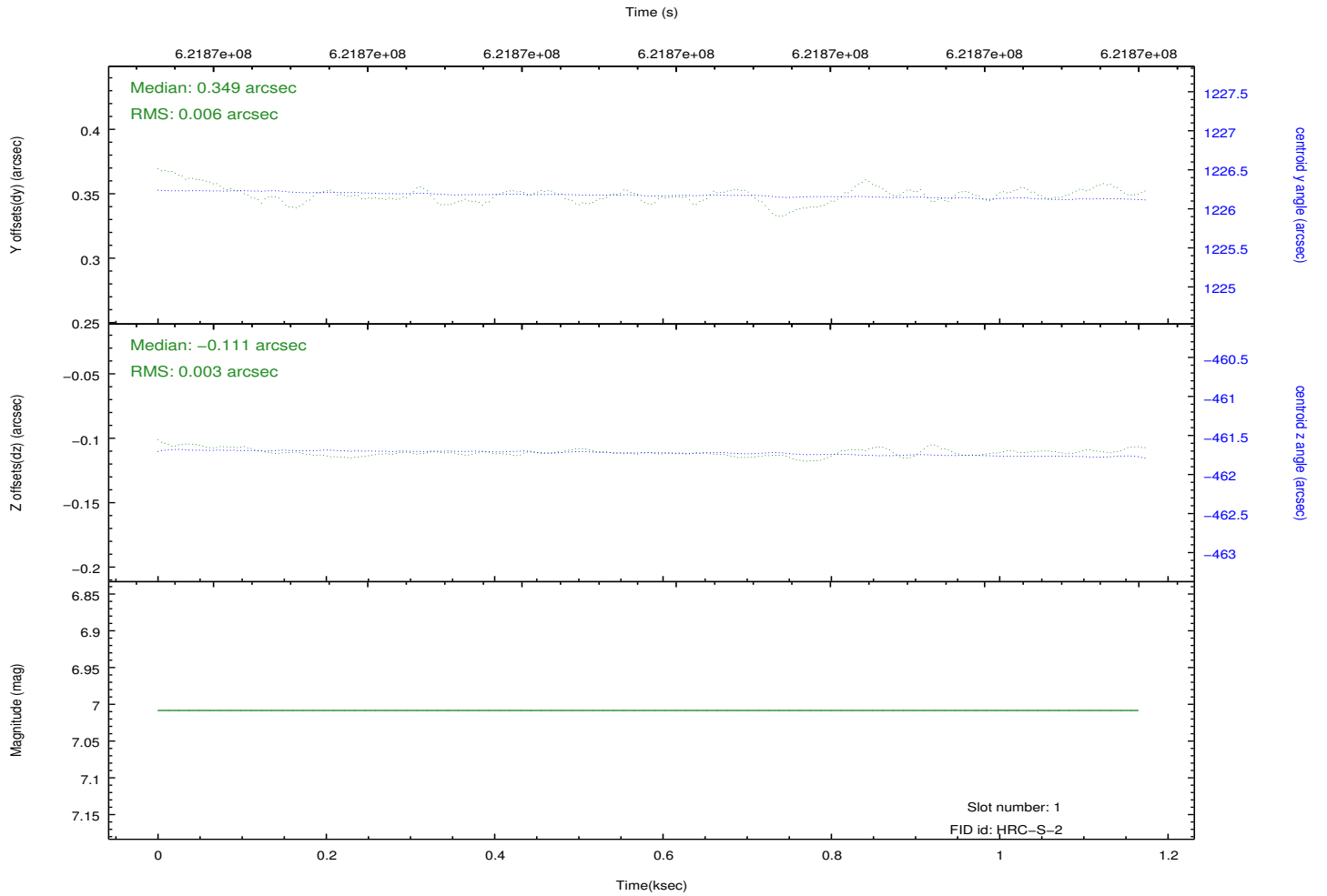
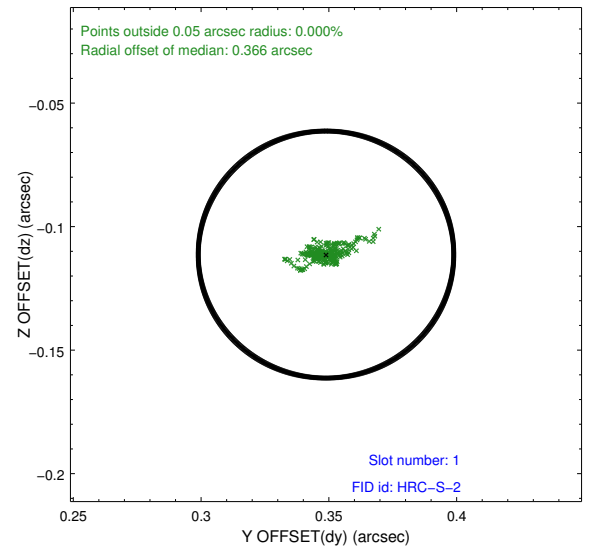
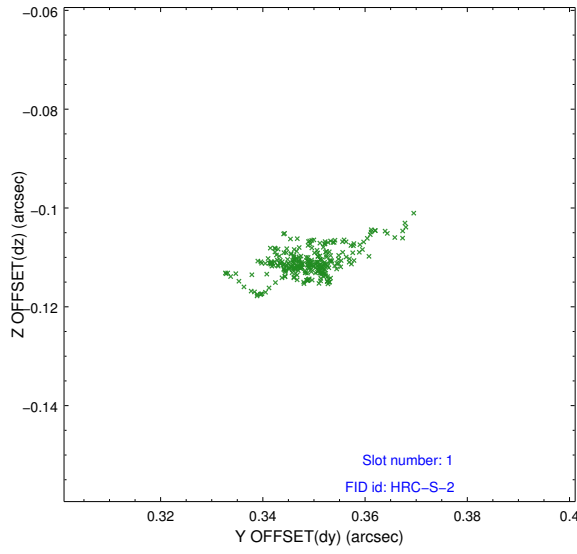


2.5 FID Slots

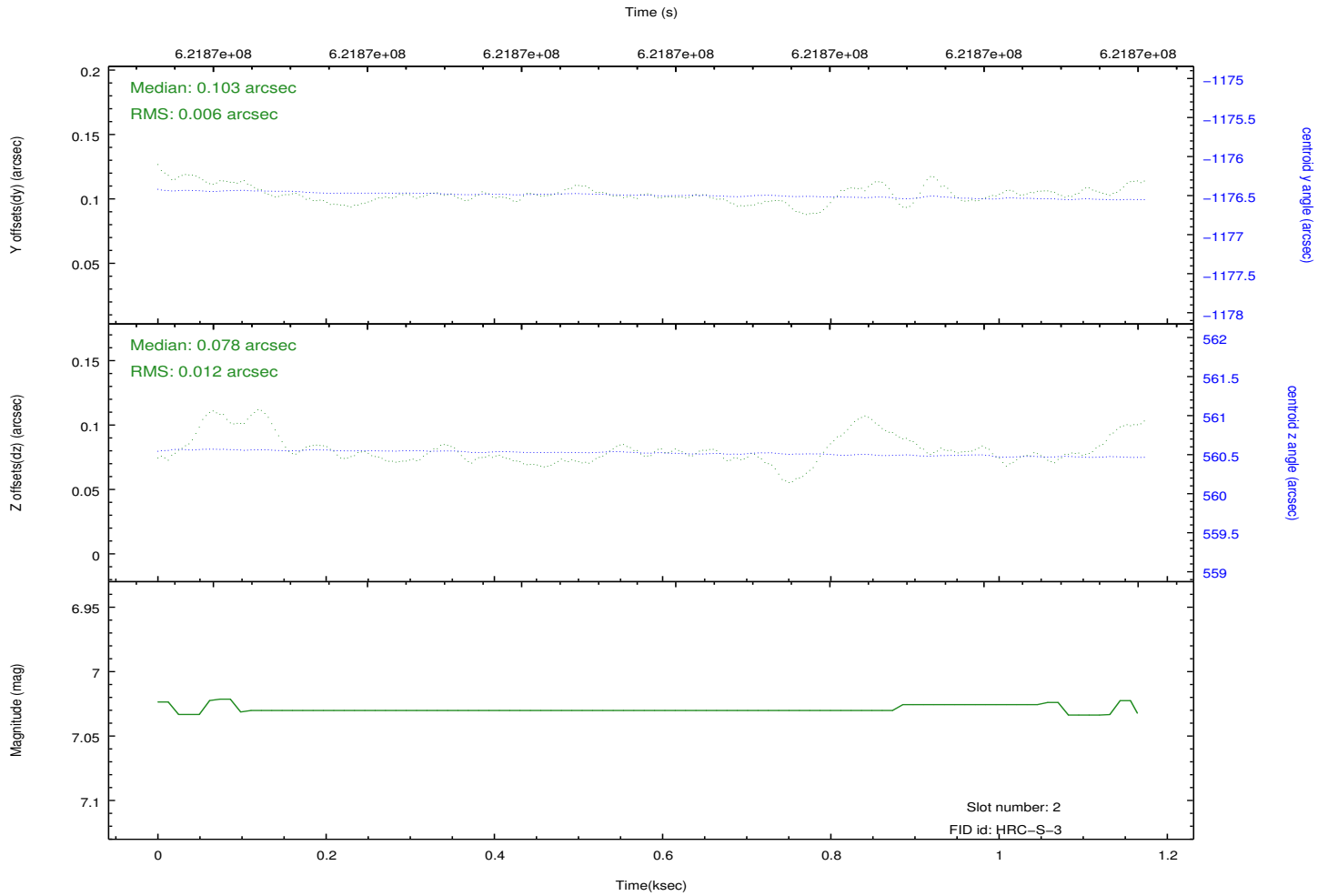
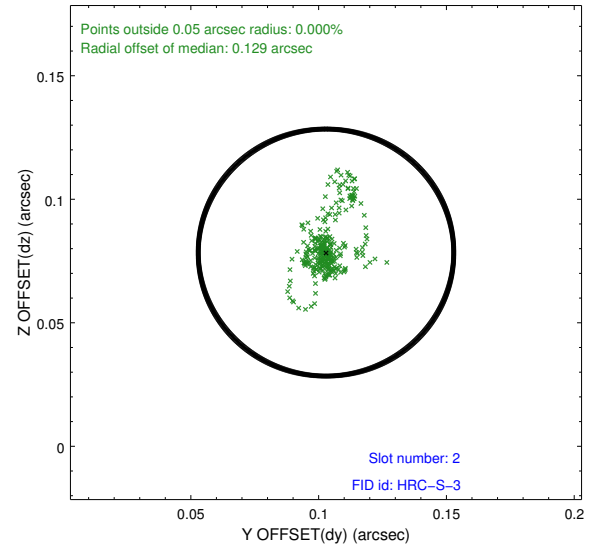
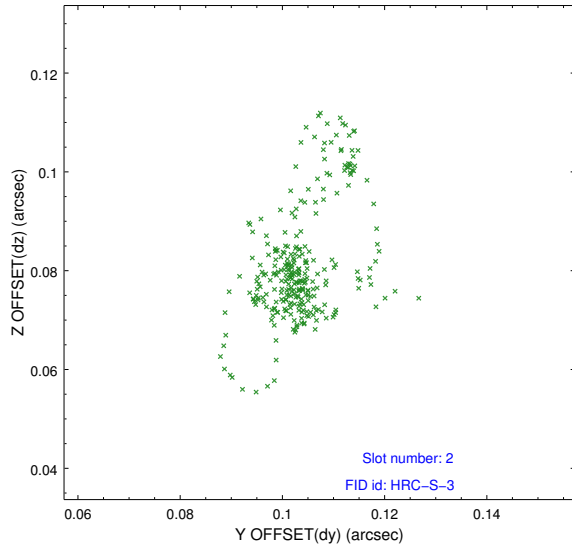
2.5.1 Slot 0



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	1.1738813188076

A.2 Comments