

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19794 - L2 Version 1
Chandra X-Ray Center

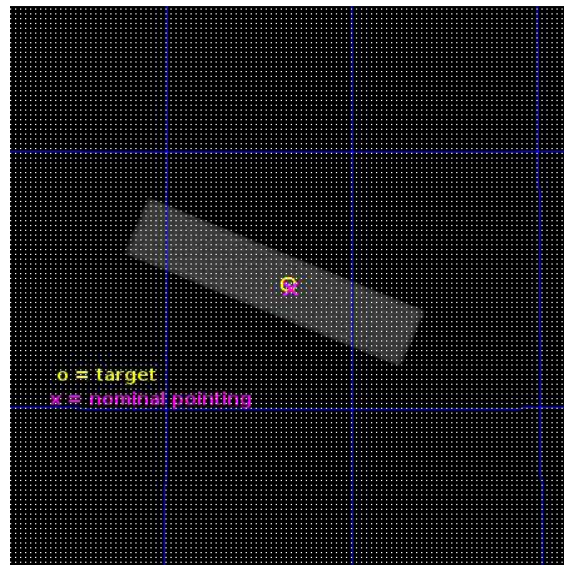
L2 Processing Date : Sep 15 2017

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1 Front

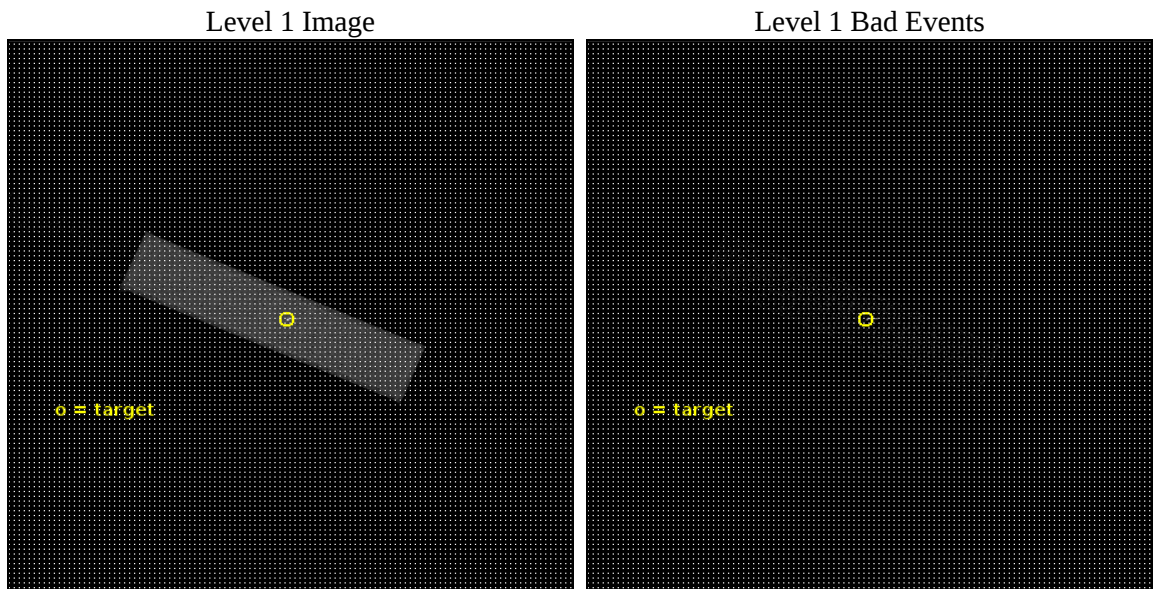
seq_num	291311	Sequence number
obs_id	19794	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16284031498	Nominal RA [deg]
dec_nom	45.733952707938	Nominal Dec [deg]
roll_nom	203.07257609293	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3172.3751856089	[s]
livetime	3144.8063994939	Ontime multiplied by DTCOR
l2events	221260	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	3172.3751856089	[s]
caldbver	4.7.6	 	l1events	353653	Number of level 1 events
date	2017-09-15T14:44:09	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

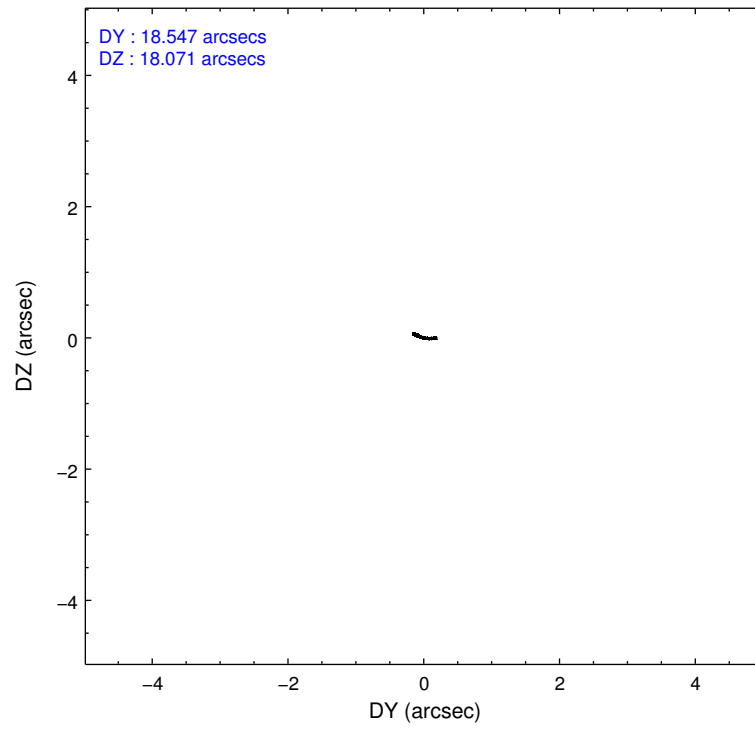
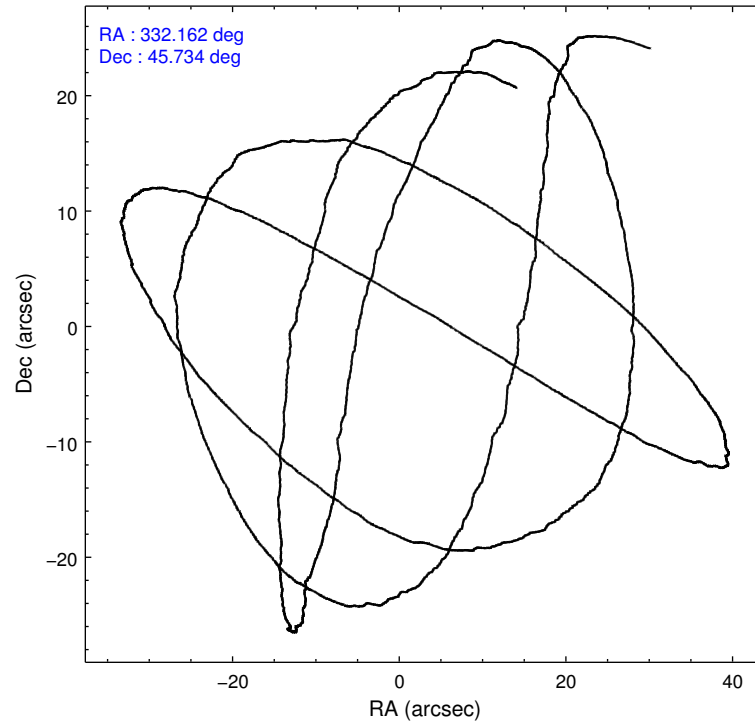
	segment 1	segment 2	segment 3
level 1 events	1164	351441	1048
rejected events	1164	97598	1048
rejected %	100%	27%	100%

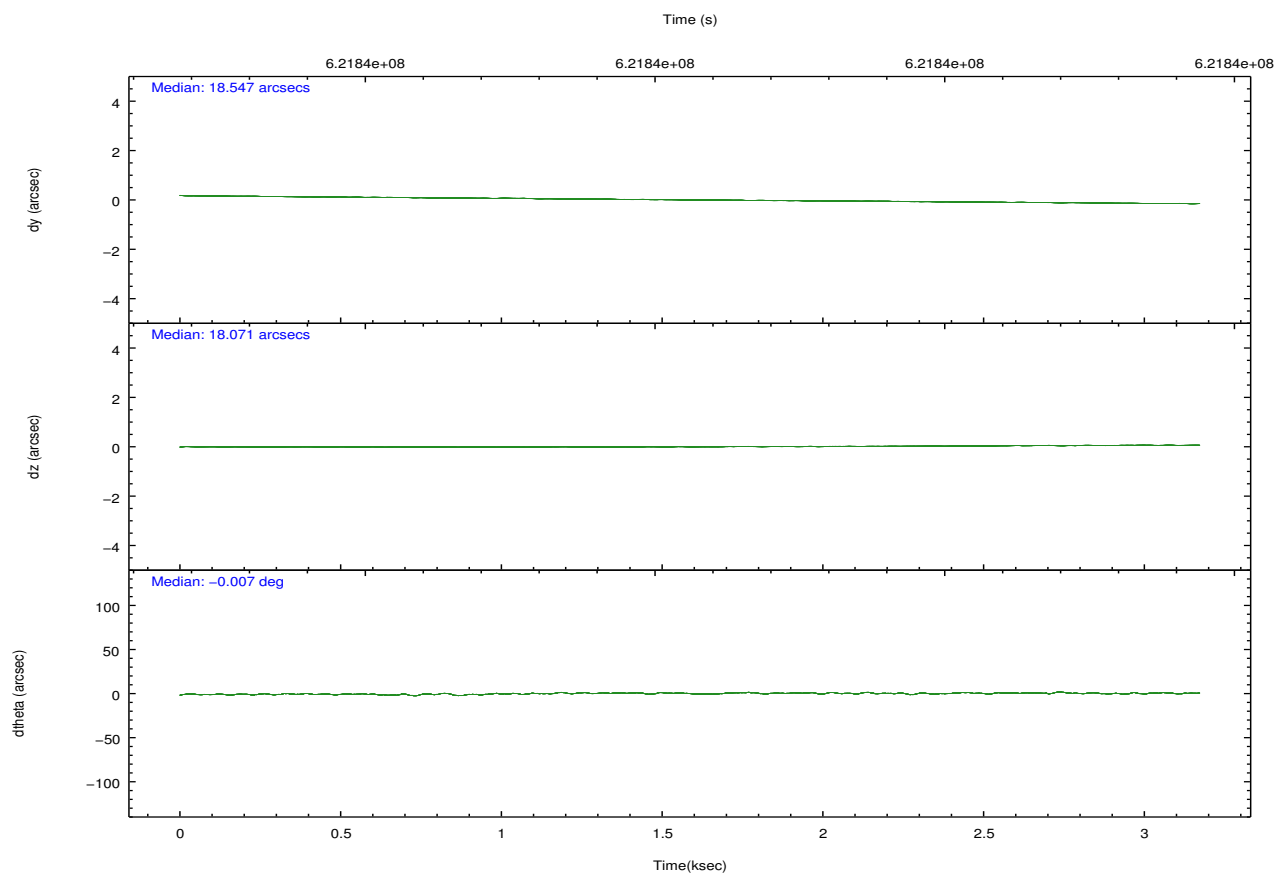
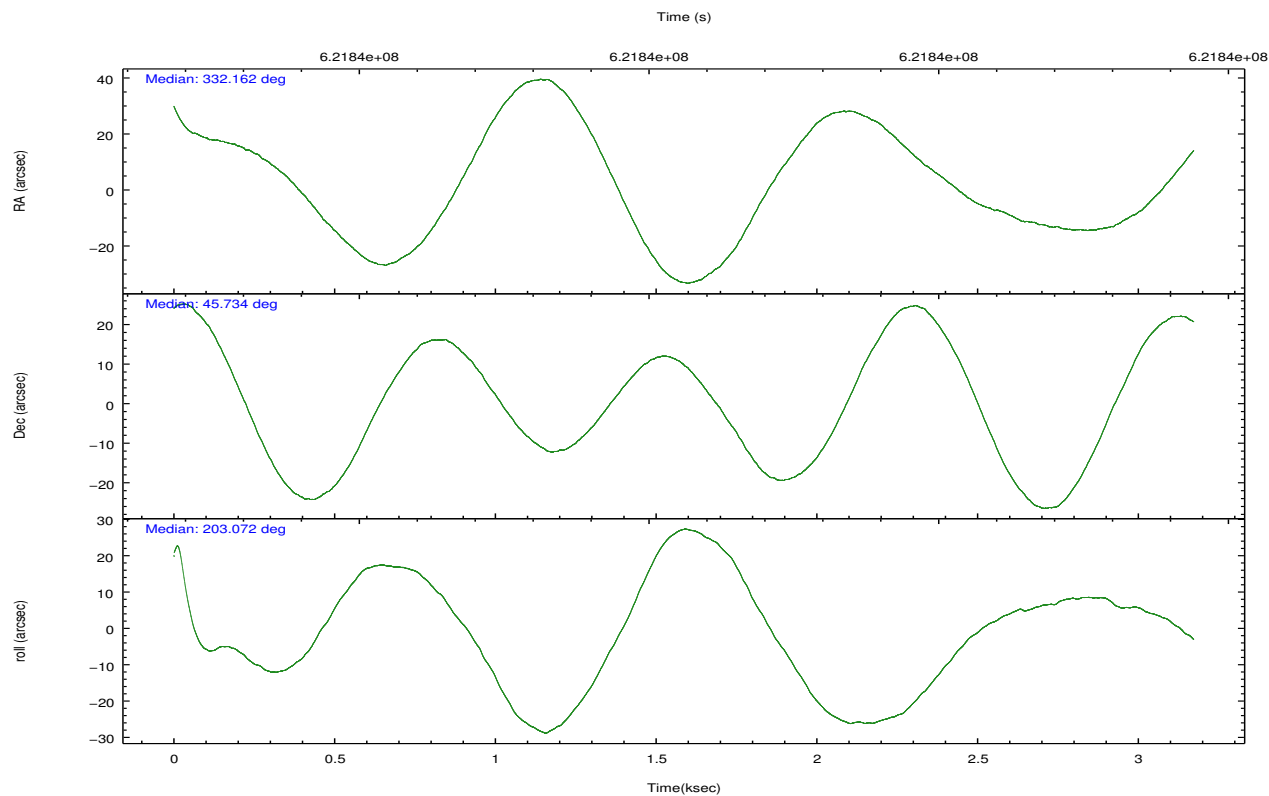
2.2 Compared Parameters

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	332.186305	332.1628403149803
[deg] Pointing Dec	45.757785	45.73395270793842
[deg] Pointing Roll	202.988329	203.0725760929273
[s] Window start time (MET)	620611269.184000	620611269.184000
[s] Window stop time (MET)	623116869.184000	623116869.184000
[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)	621839694.184000	621838332.68072
Observation start date	2017-09-15T05:13:45	2017-09-15T04:52:12
[s] Observation end time (MET)	621842694.184000	621842912.38099
Observation end date	2017-09-15T06:03:45	2017-09-15T06:08:32

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

2.3 Aspect



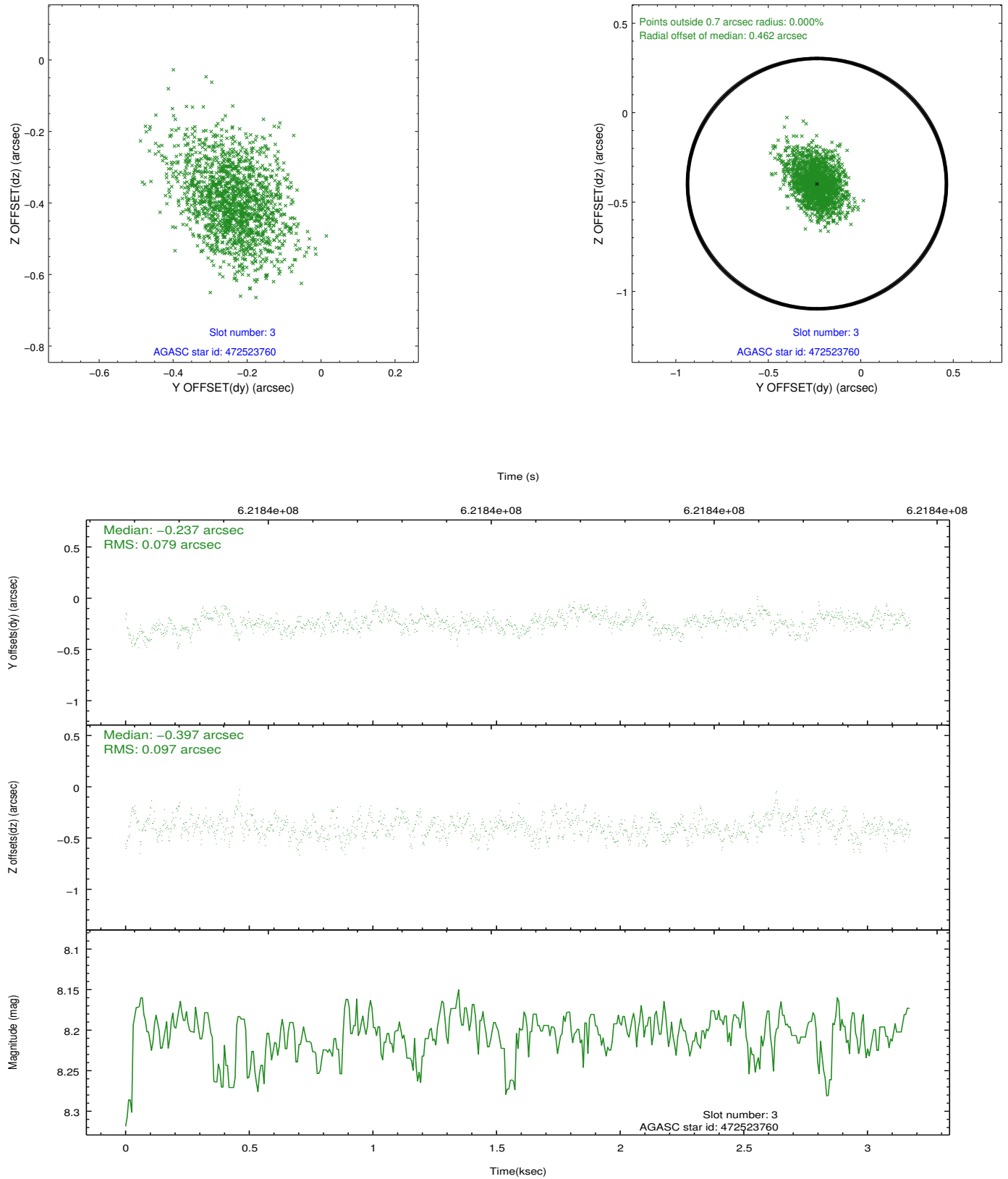


Slot Statistics

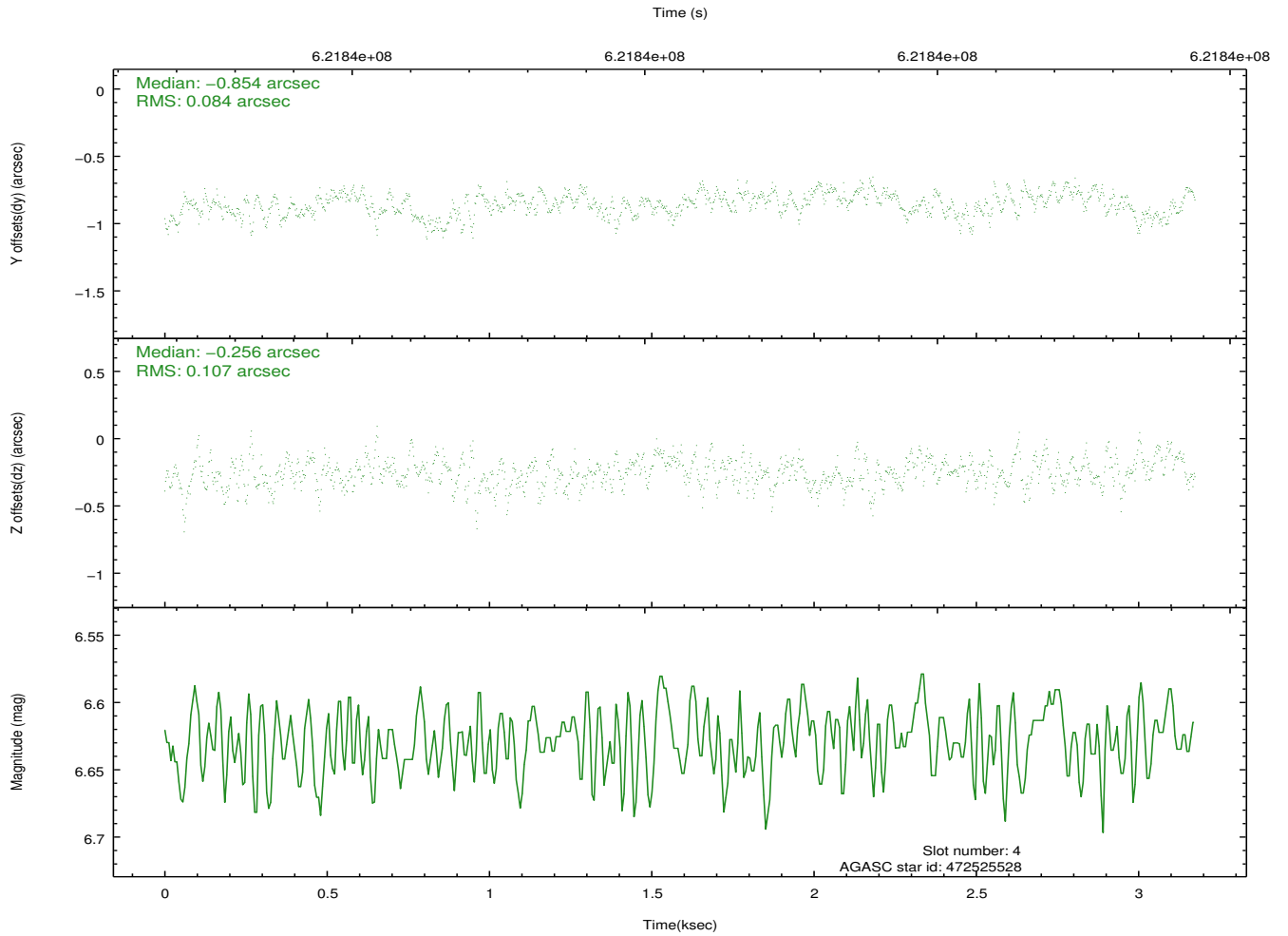
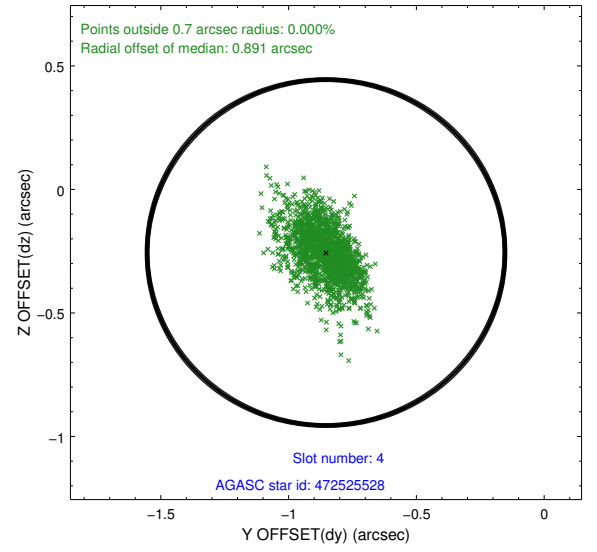
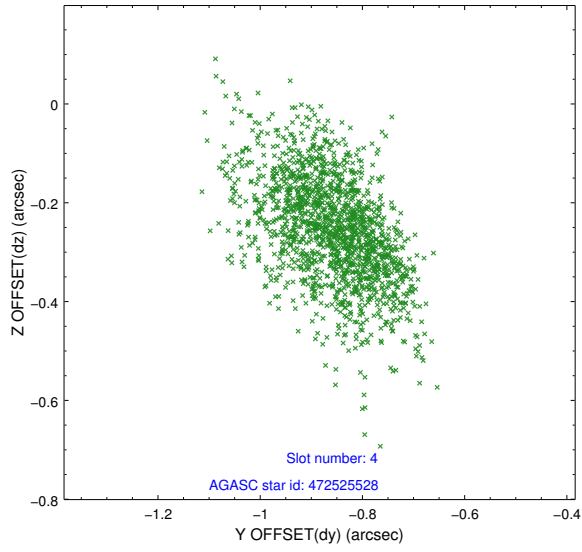
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.02	774	-0.064	-0.217	0.007	0.012	0.000000	0.000000	-1173.14	-467.16
1	FID		HRC-S-2	6.99	774	0.346	-0.110	0.006	0.011	0.000000	0.000000	1225.41	-460.15
2	FID		HRC-S-3	7.01	774	0.106	0.025	0.009	0.016	0.000000	0.000000	-1174.17	562.01
3	GUIDE	used	472523760	8.20	1549	-0.237	-0.397	0.130	0.223	331.645363	45.403260	1755.08	637.06
4	GUIDE	used	472525528	6.63	1549	-0.854	-0.256	0.141	0.240	331.551102	45.248694	2195.39	1053.48
5	GUIDE	used	472663080	9.32	1547	0.556	0.344	0.201	0.354	332.652741	46.473840	-2070.98	-1922.97
6	GUIDE	used	472665256	8.96	1549	0.486	0.175	0.144	0.244	332.808125	46.195041	-2044.68	-849.95
7	GUIDE	used	472659832	9.39	1545	0.057	0.136	0.197	0.322	332.780399	46.098139	-1847.47	-553.66

2.4 Star Slots

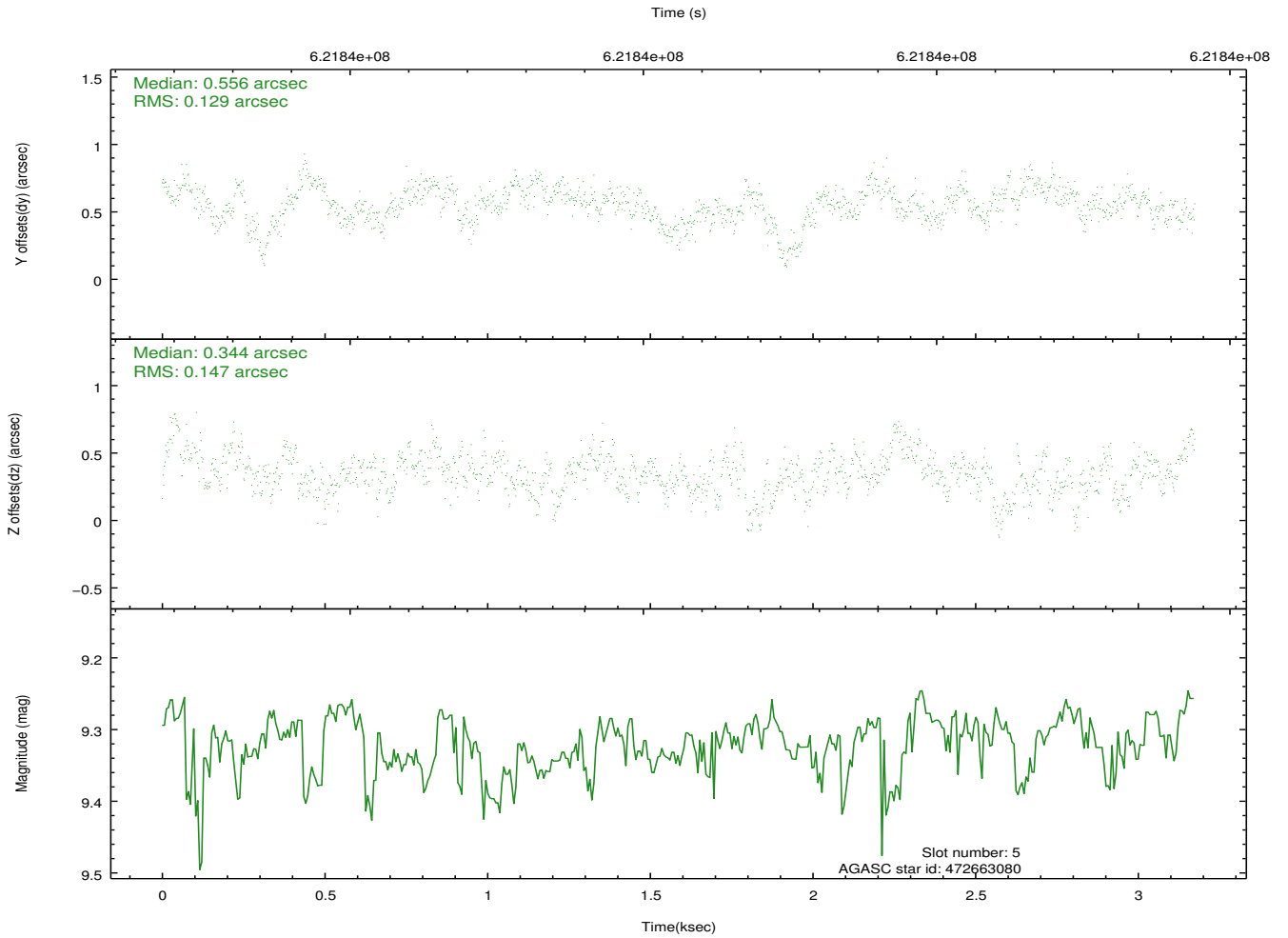
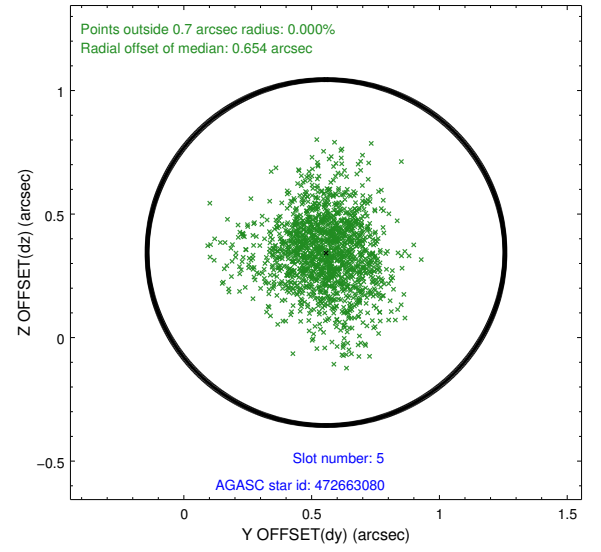
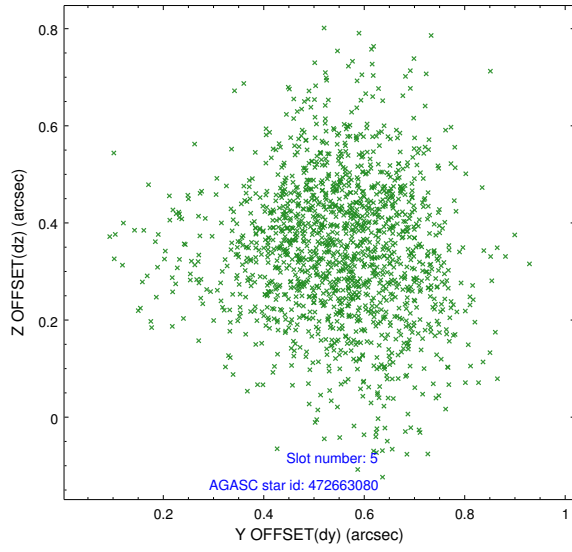
2.4.1 Slot 3



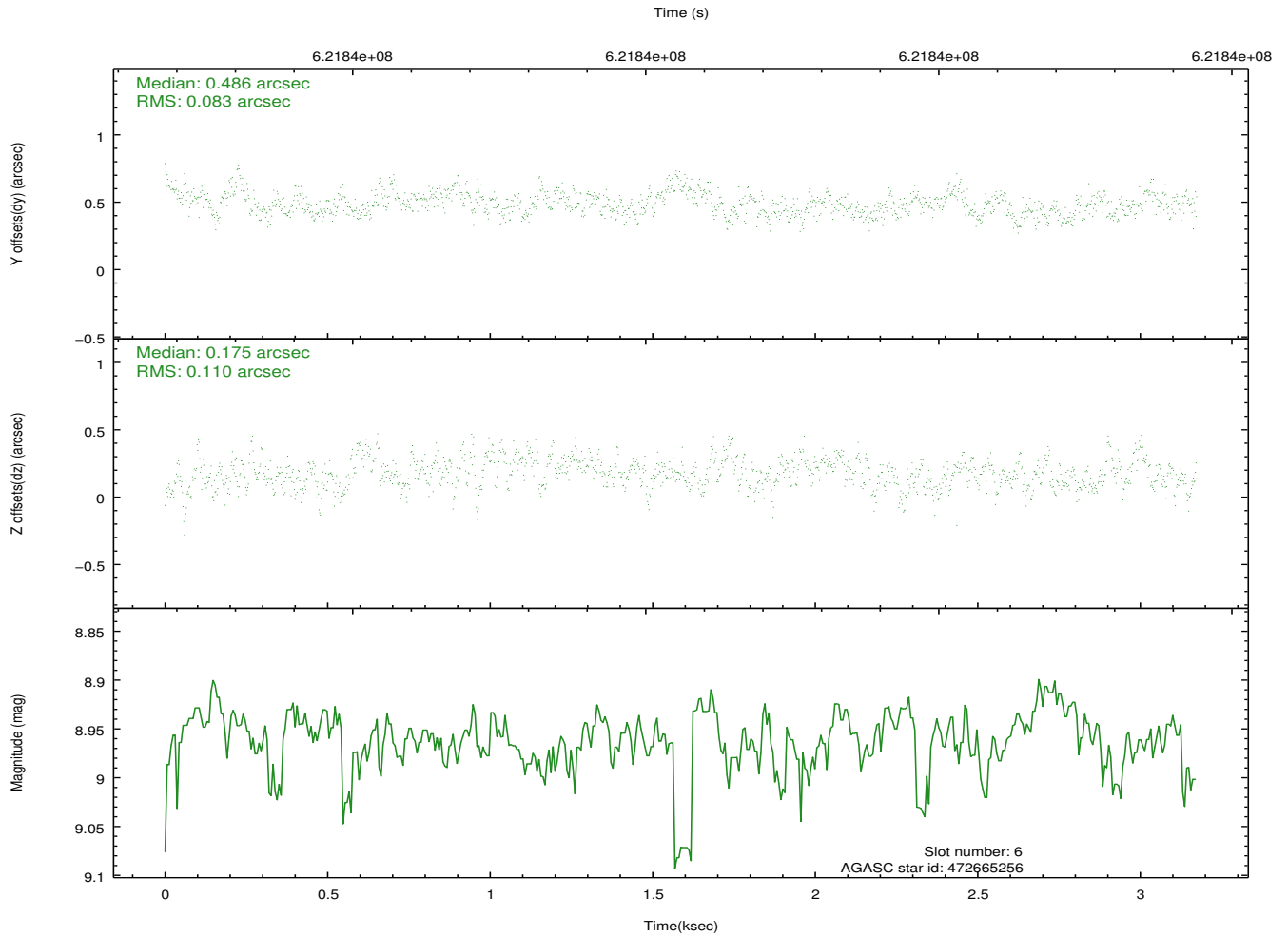
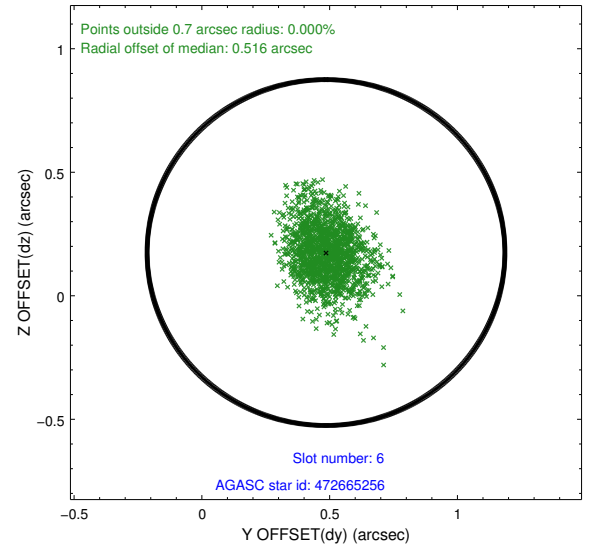
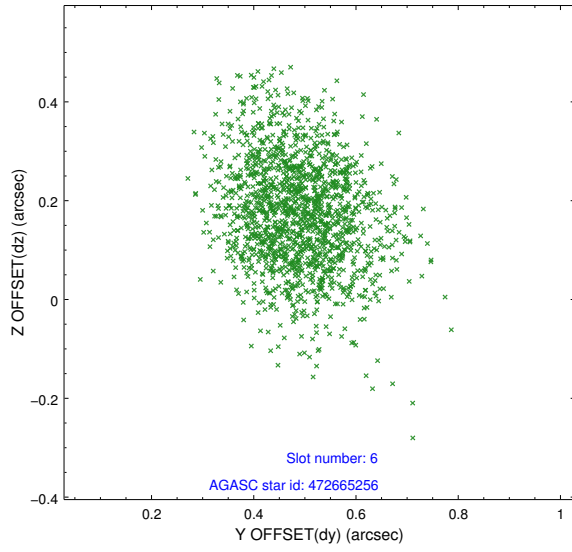
2.4.2 Slot 4



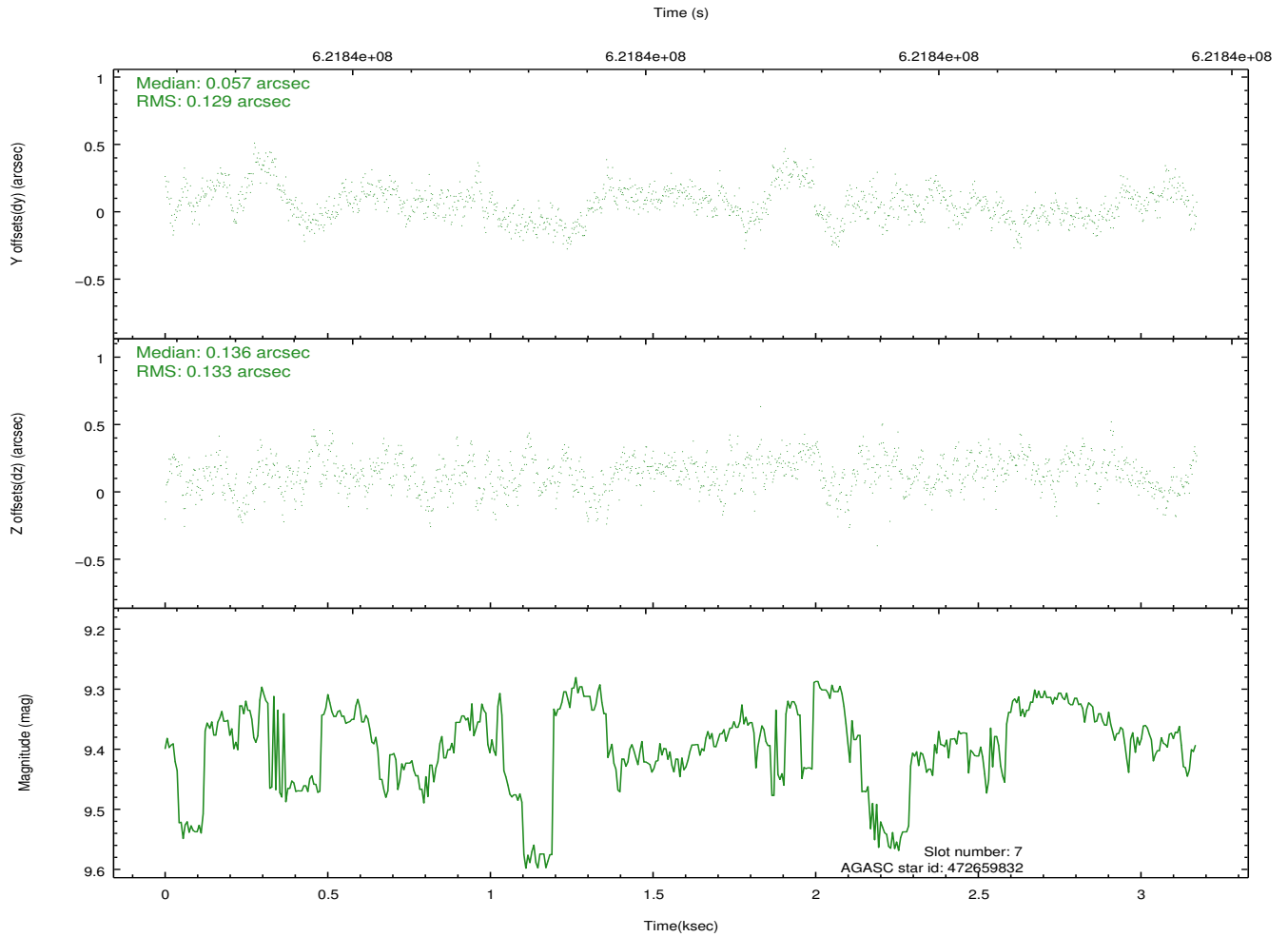
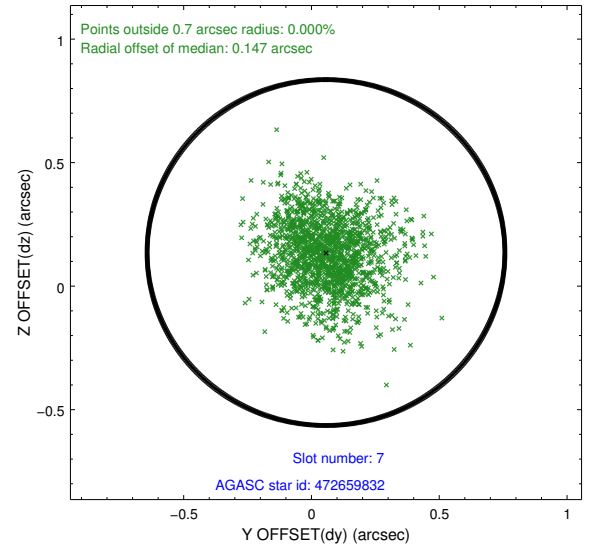
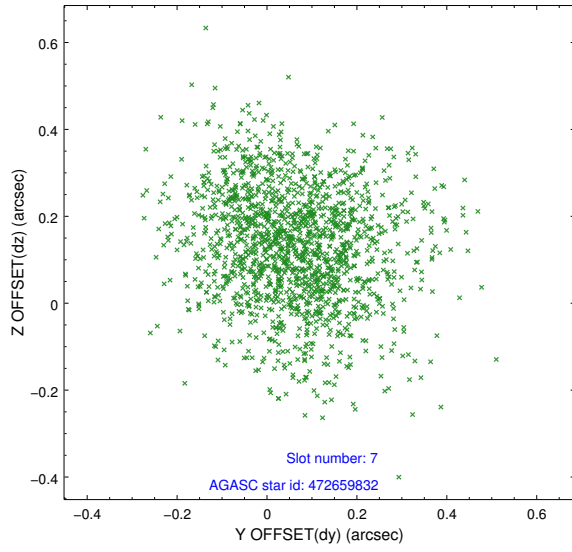
2.4.3 Slot 5



2.4.4 Slot 6

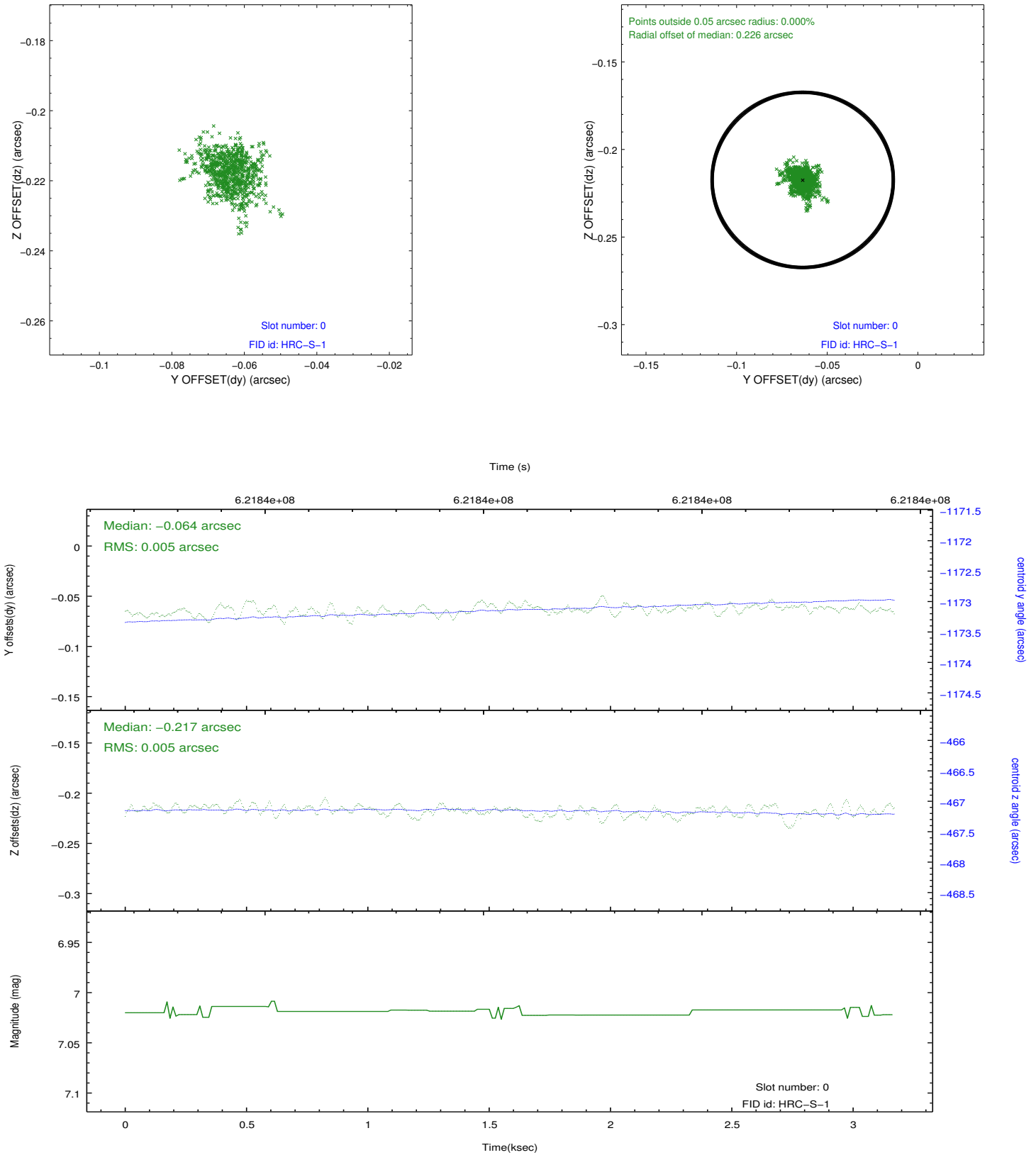


2.4.5 Slot 7

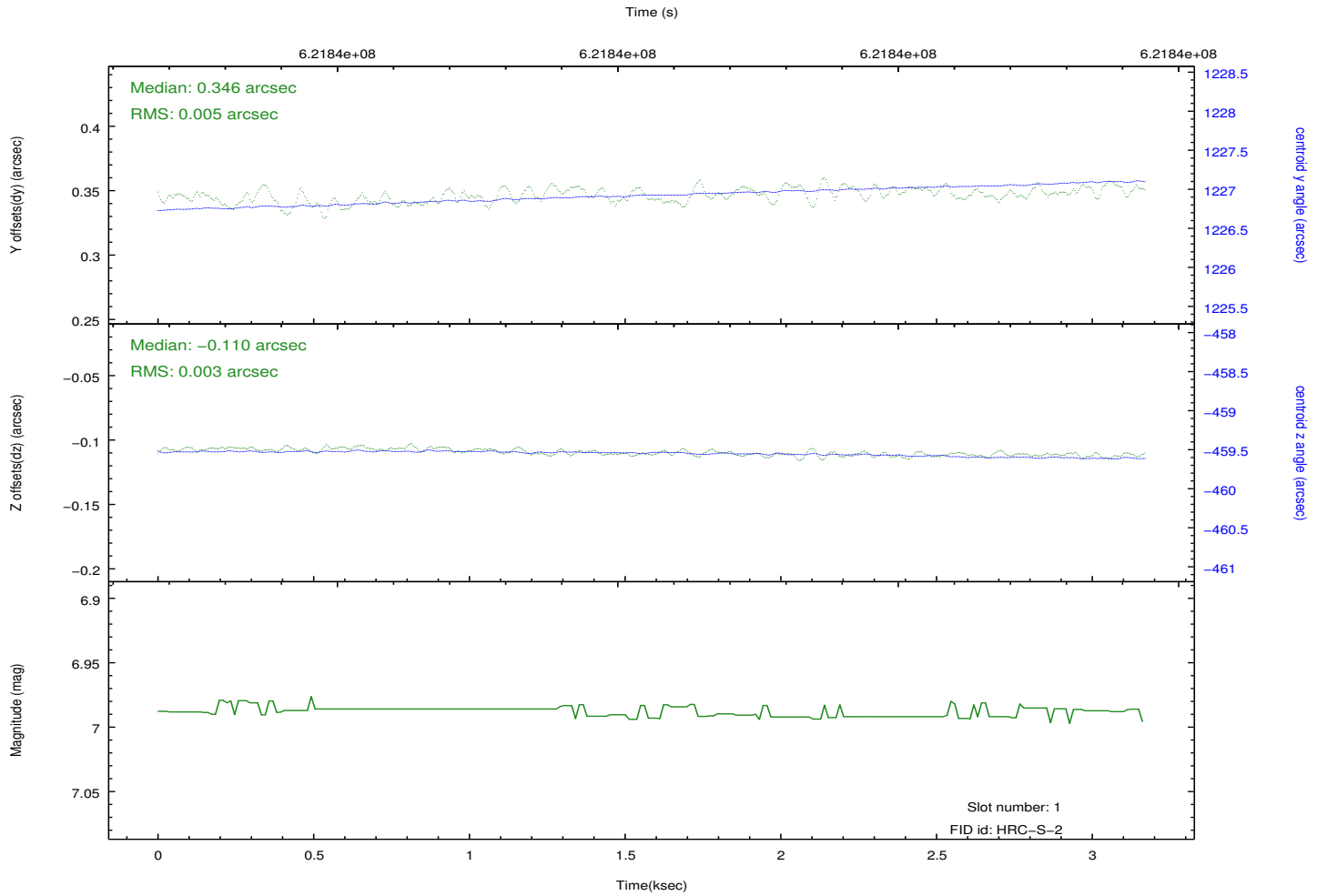
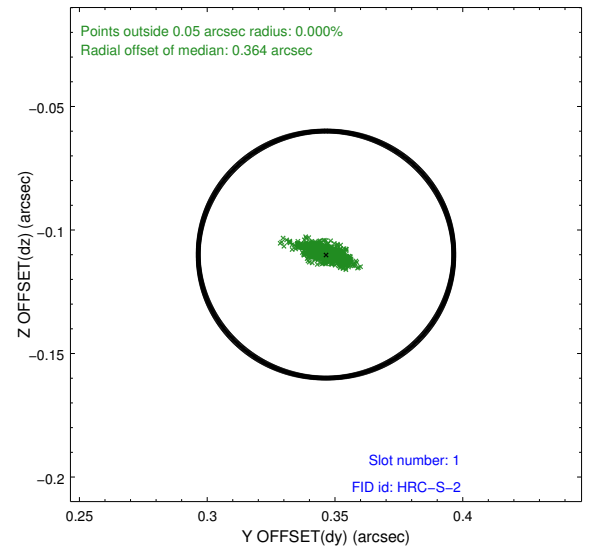
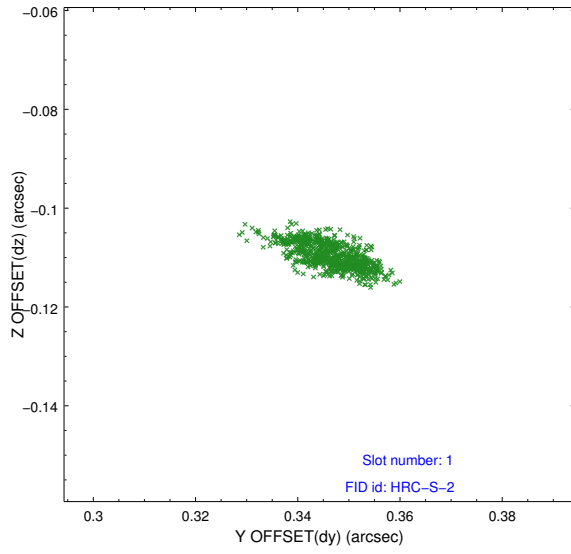


2.5 FID Slots

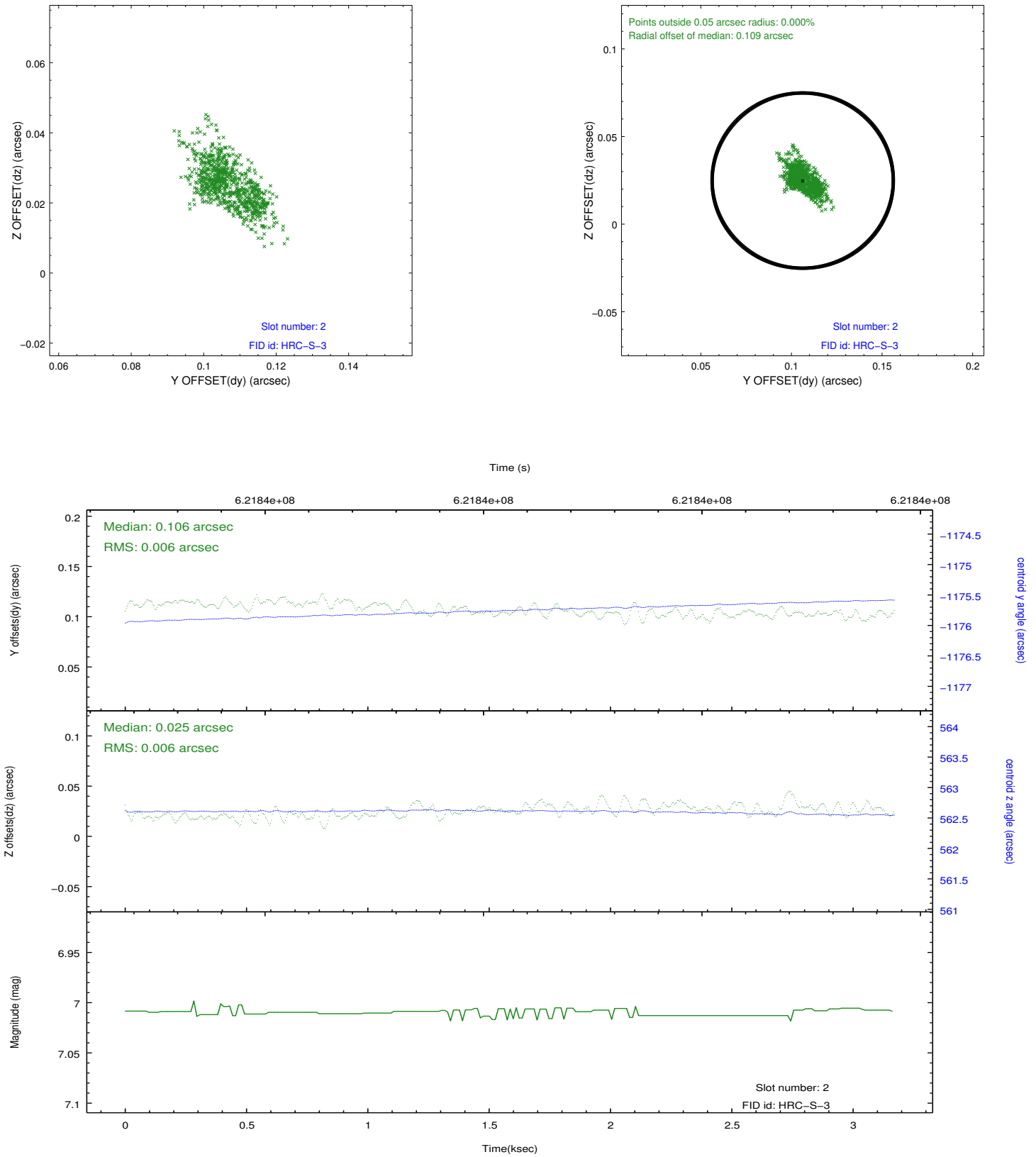
2.5.1 Slot 0



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)	2017.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1723751856089

A.2 Comments

Window preference met.