

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19805 - L2 Version 1
Chandra X-Ray Center

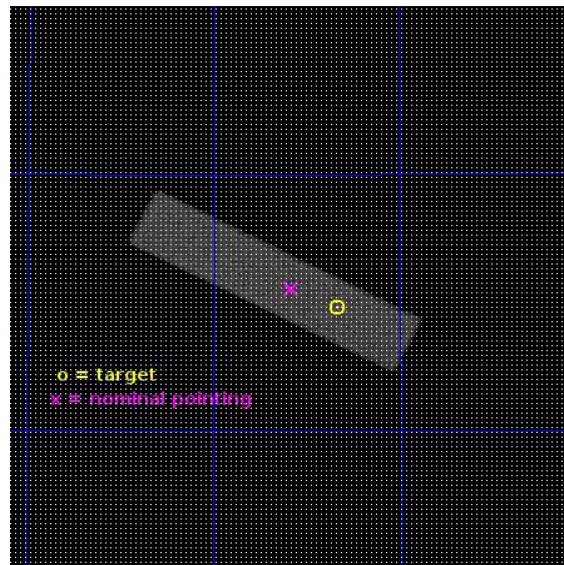
L2 Processing Date : Sep 15 2017

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1 Front

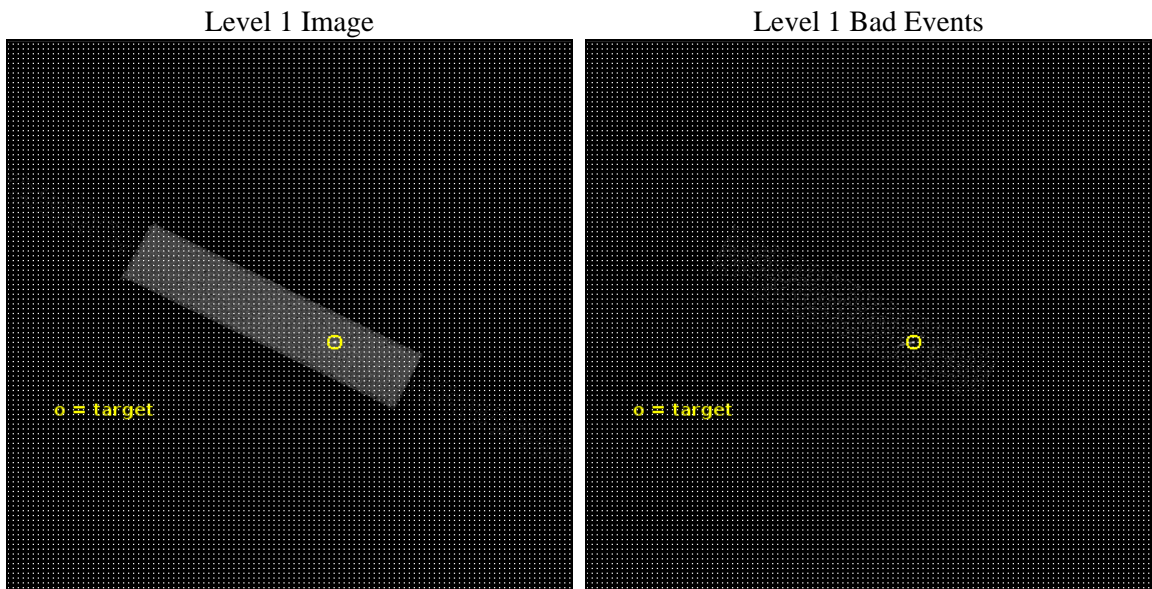
seq_num	291322	Sequence number
obs_id	19805	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.29193470708	Nominal RA [deg]
dec_nom	45.778009633006	Nominal Dec [deg]
roll_nom	206.82539033177	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.8313186169	[s]
livetime	1161.4548904553	Ontime multiplied by DTCOR
l2events	83707	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	1171.8313186169	[s]
caldsver	4.7.6	 	l1events	125764	Number of level 1 events
date	2017-09-15T14:50:49	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

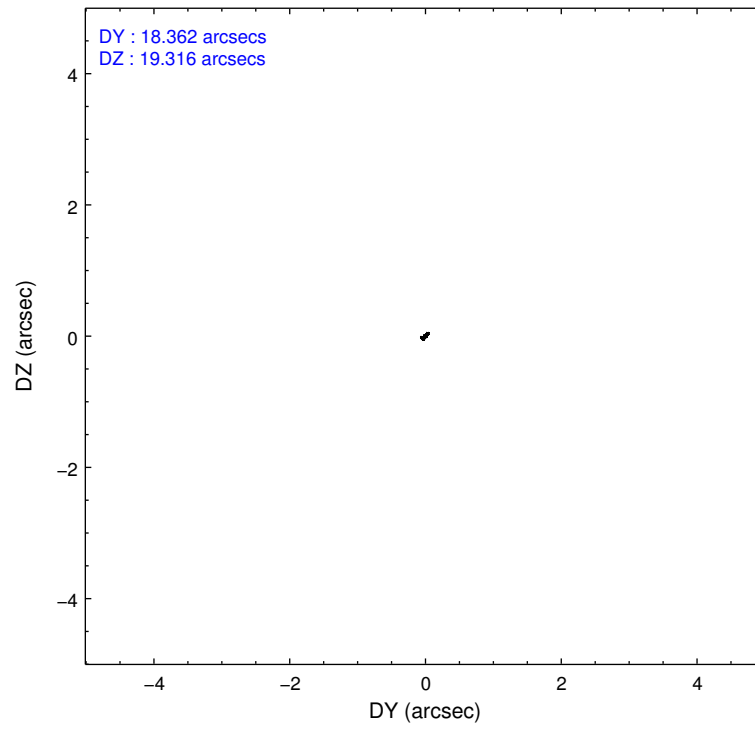
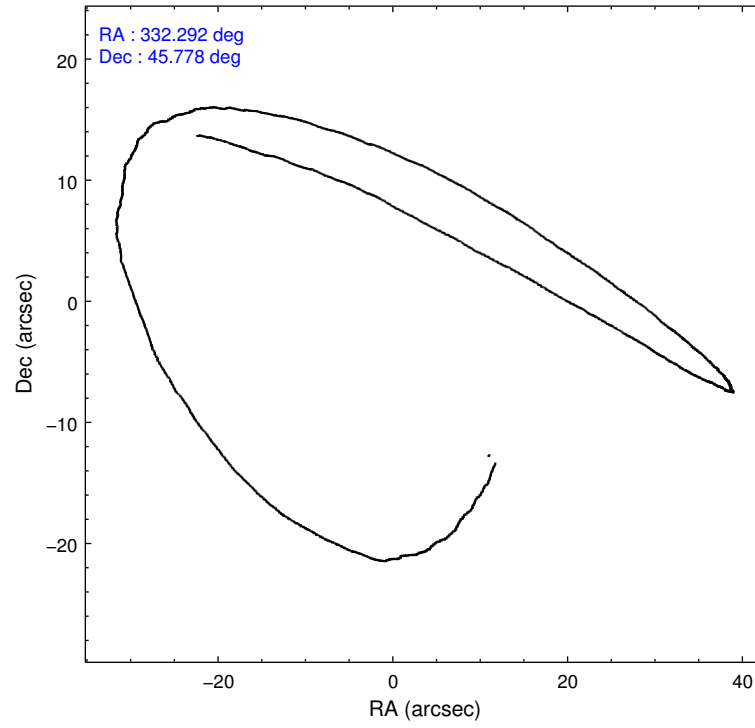
Level 1 Events

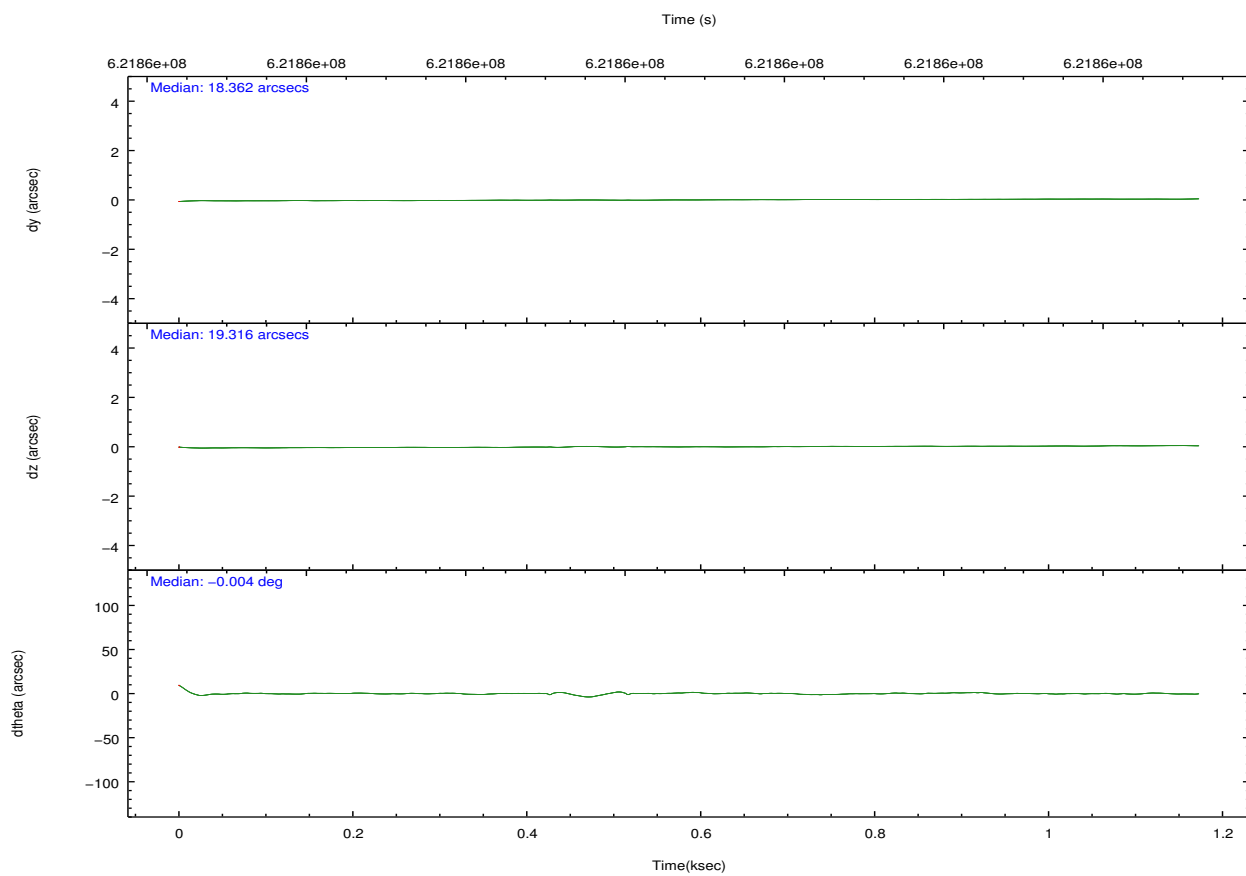
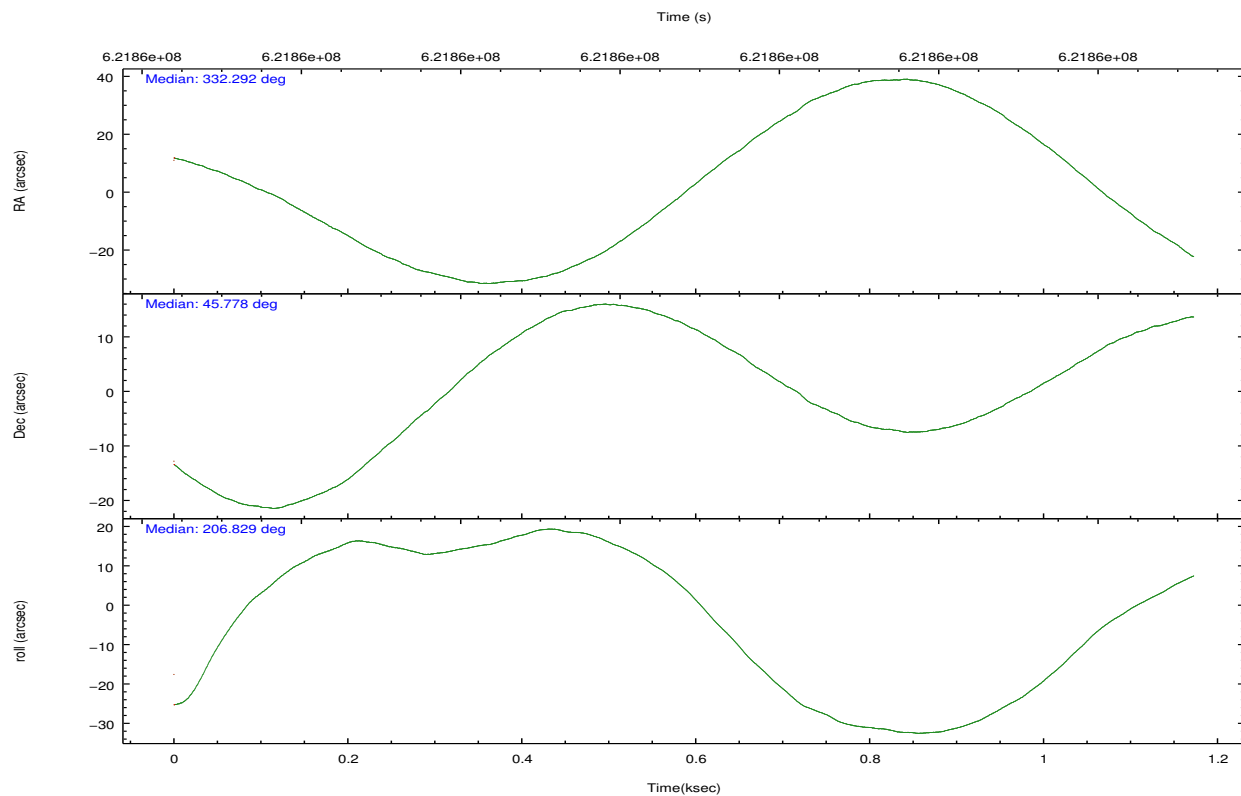
	segment 1	segment 2	segment 3
level 1 events	1307	123341	1116
rejected events	1307	27545	1116
rejected %	100%	22%	100%

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	332.312656	332.2919347070782			
[deg] Pointing Dec	45.803469	45.7780096330055			
[deg] Pointing Roll	206.743403	206.8253903317687			
[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)	621858472.184000	621858096.7318701			
Observation start date	2017-09-15T10:26:43	2017-09-15T10:21:36			
[s] Observation end time (MET)	621859472.184000	621859606.55696			
Observation end date	2017-09-15T10:43:23	2017-09-15T10:46:46			

2.3 Aspect



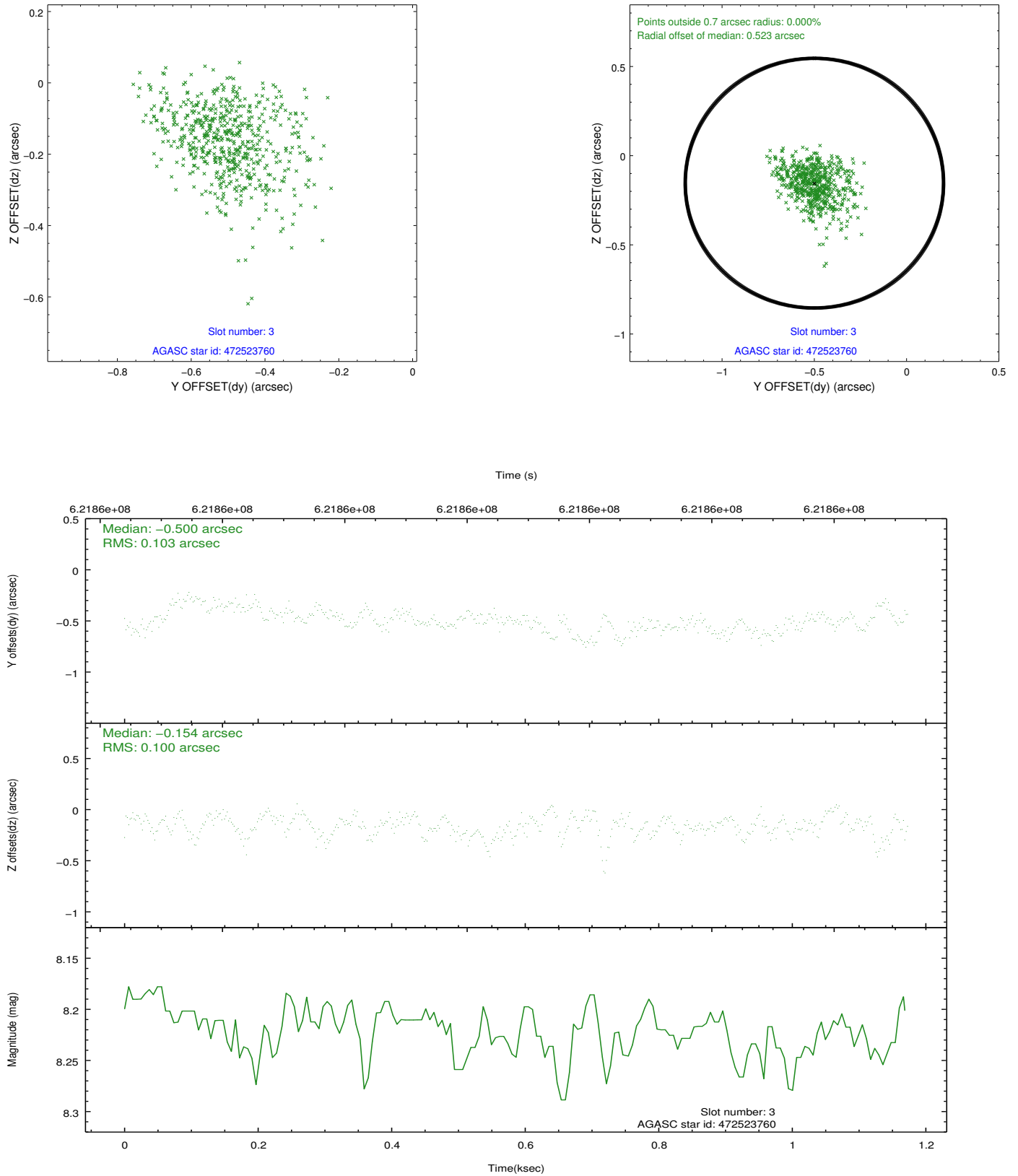


Slot Statistics

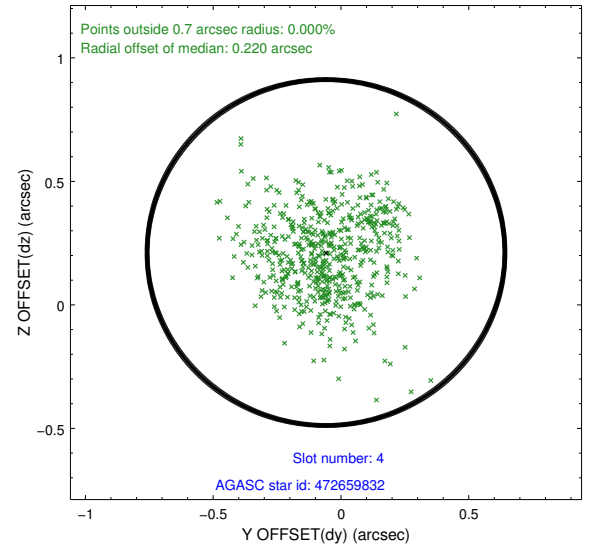
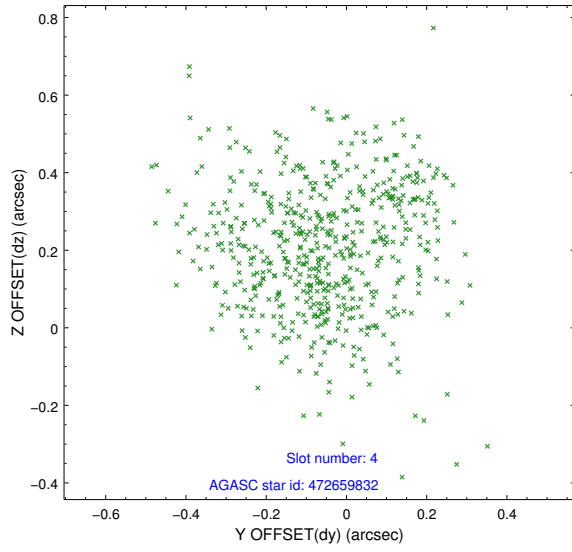
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-2	7.00	287	0.183	-0.231	0.007	0.014	0.000000	0.000000	1226.94	-460.99
1	FID		HRC-S-3	7.02	287	-0.093	-0.078	0.006	0.011	0.000000	0.000000	-1171.46	559.68
2	FID		HRC-S-4	7.01	287	0.315	0.014	0.007	0.015	0.000000	0.000000	1221.55	565.92
3	GUIDE	used	472523760	8.22	571	-0.500	-0.154	0.152	0.254	331.645363	45.403260	2151.14	519.42
4	GUIDE	used	472659832	9.39	572	-0.059	0.212	0.250	0.376	332.780399	46.098139	-1517.96	-425.59
5	GUIDE	used	472665256	8.96	572	0.210	0.089	0.152	0.262	332.808125	46.195041	-1741.10	-709.13
6	GUIDE	used	472655152	9.39	573	-0.071	-0.420	0.220	0.424	332.504239	45.862991	-528.74	21.05
7	GUIDE	used	472663080	9.33	571	0.420	0.282	0.174	0.298	332.652741	46.473840	-1840.40	-1778.82

2.4 Star Slots

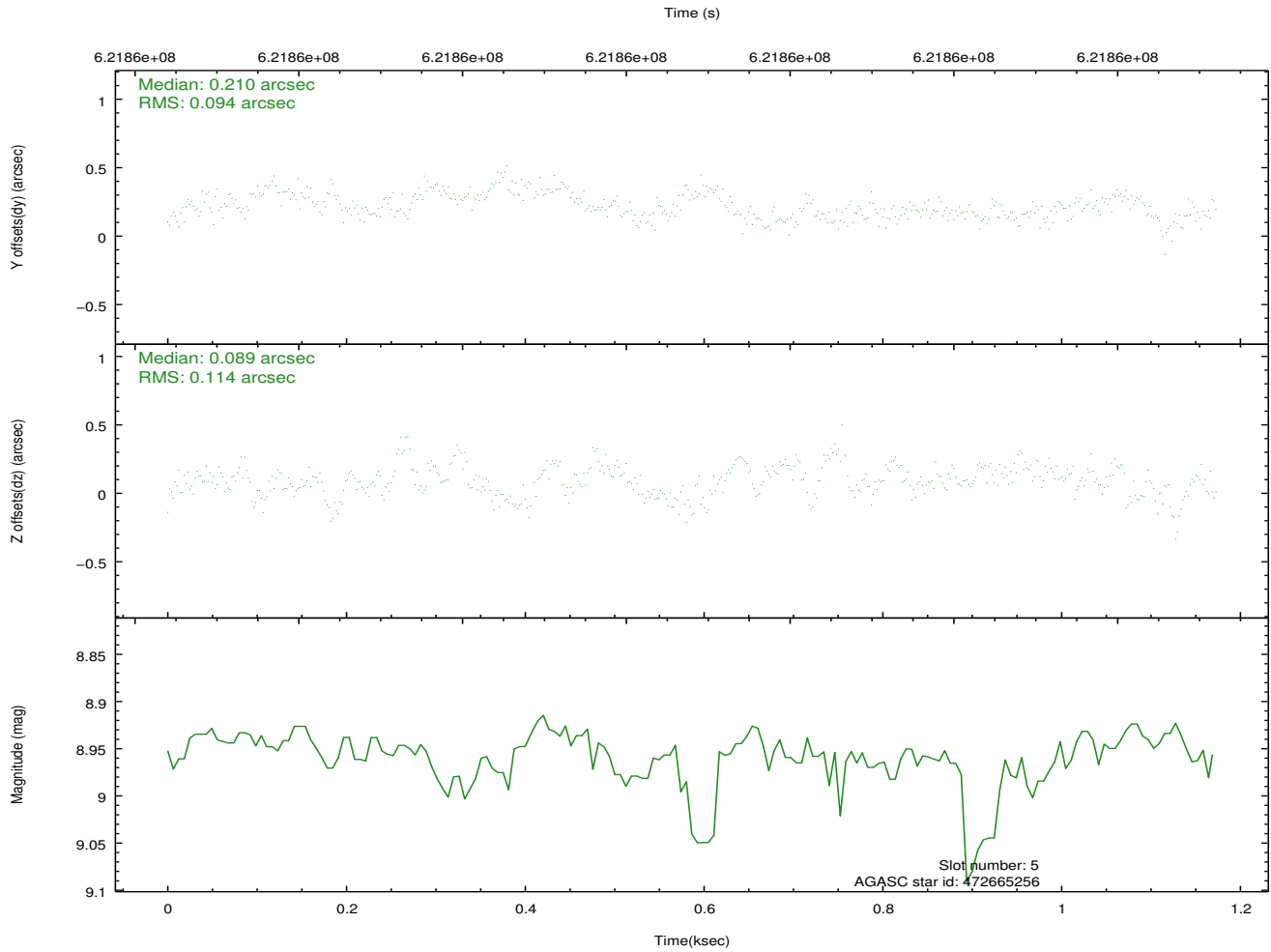
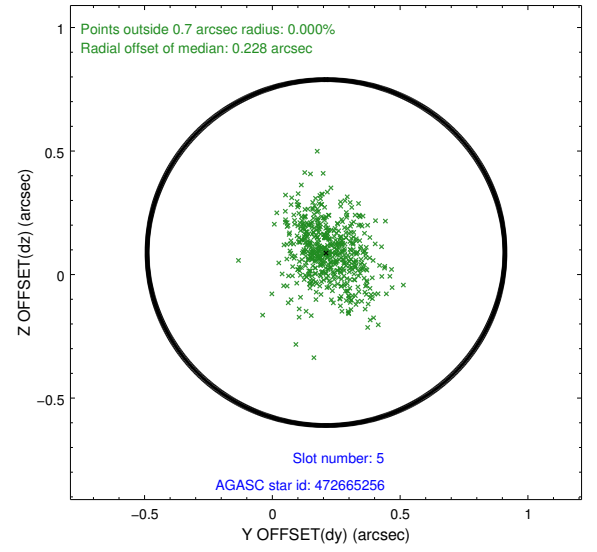
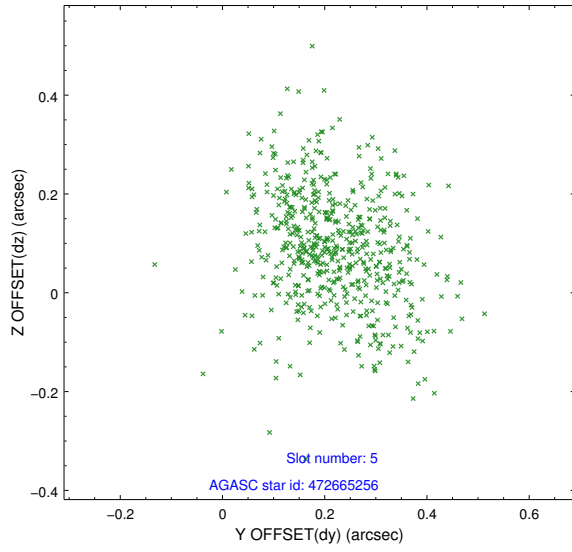
2.4.1 Slot 3



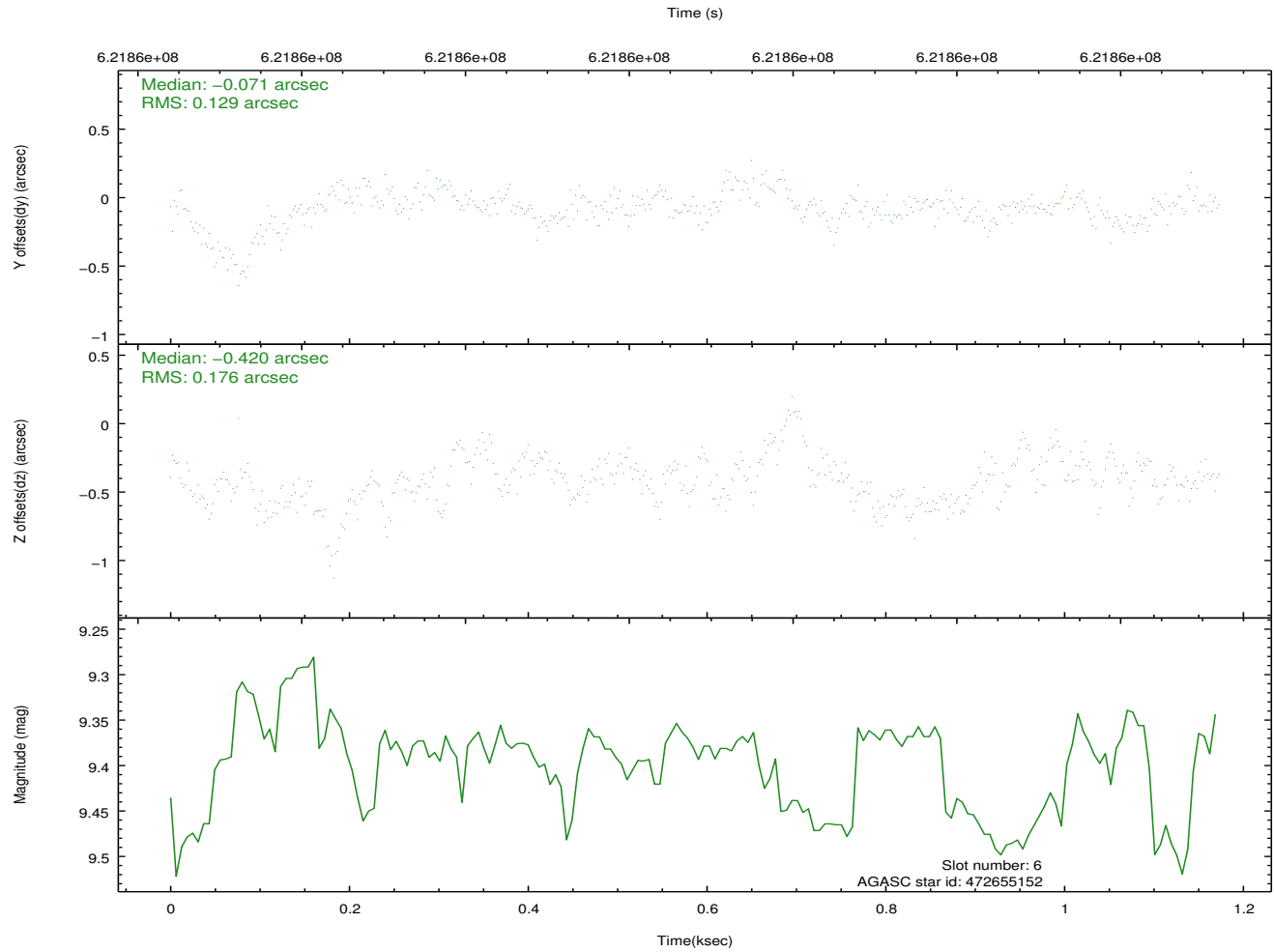
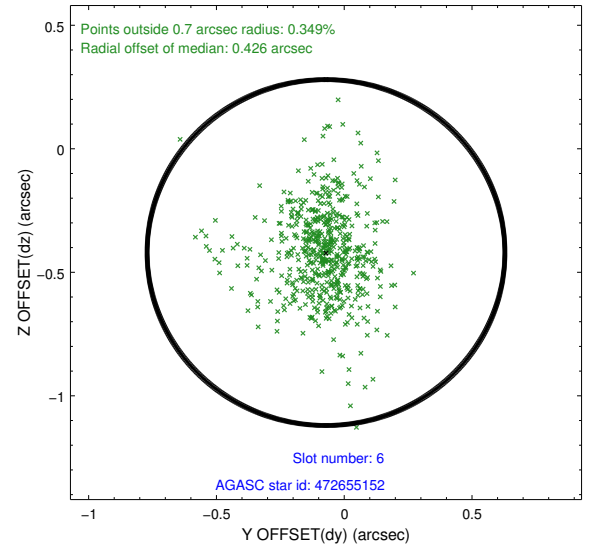
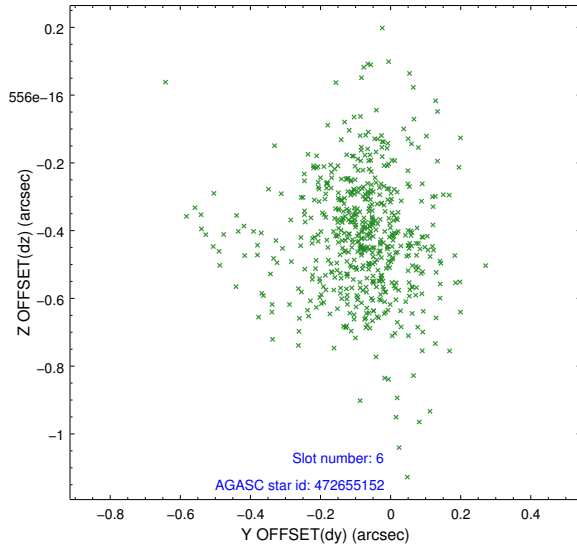
2.4.2 Slot 4



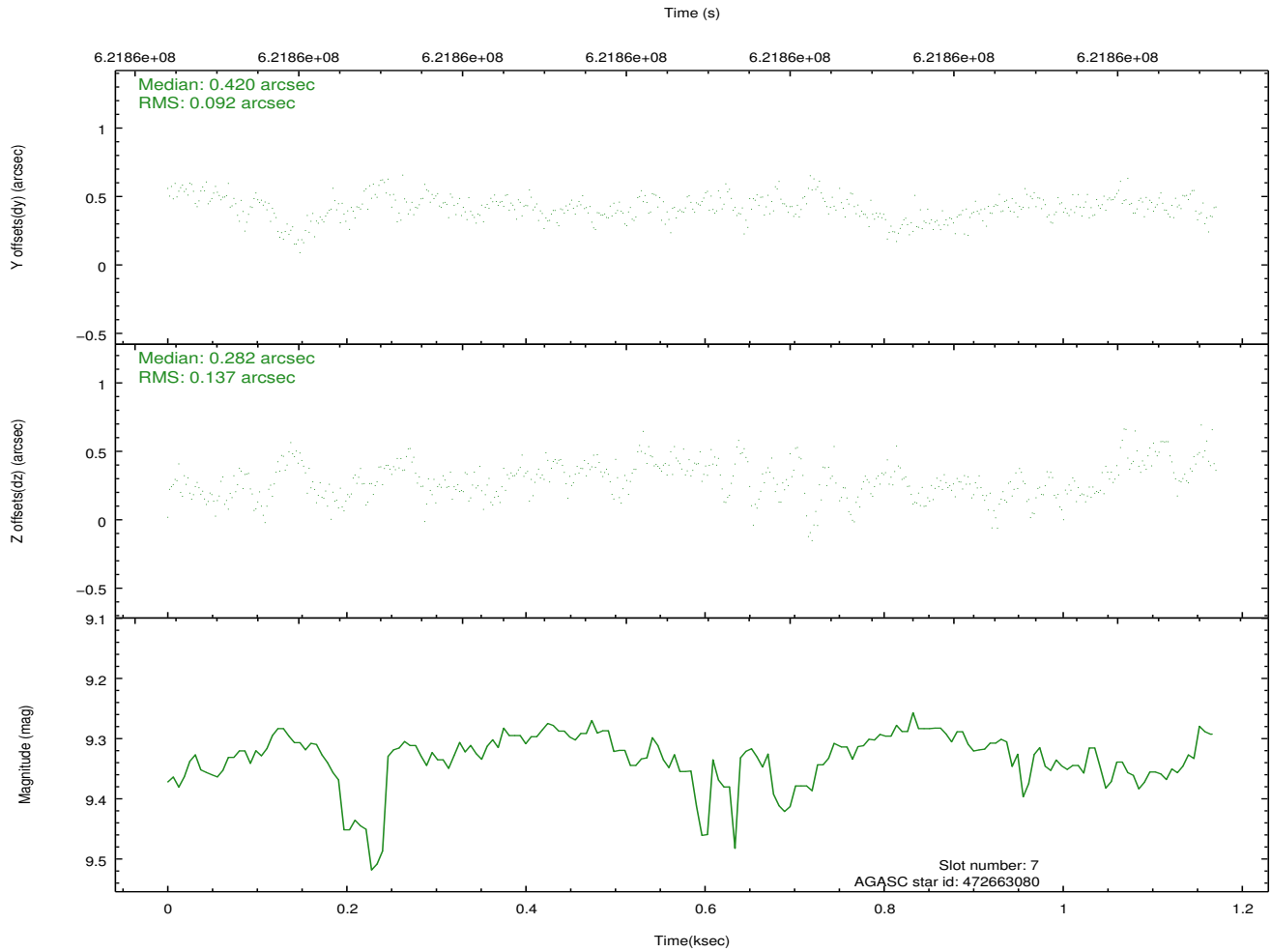
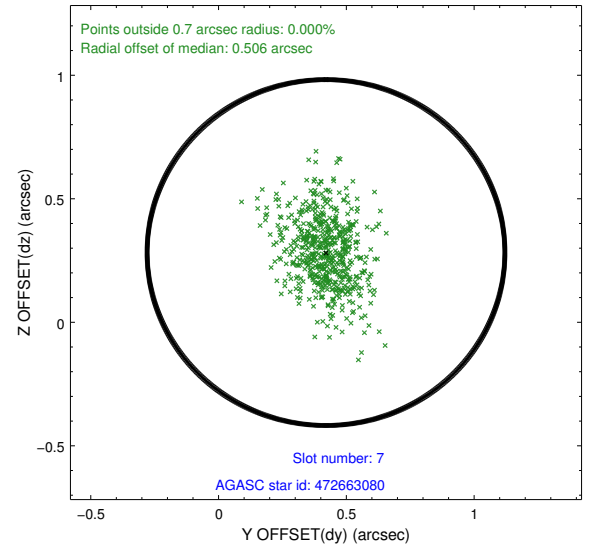
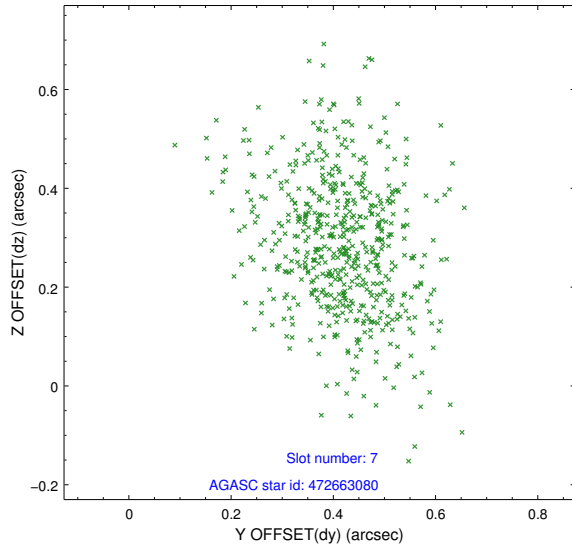
2.4.3 Slot 5



2.4.4 Slot 6

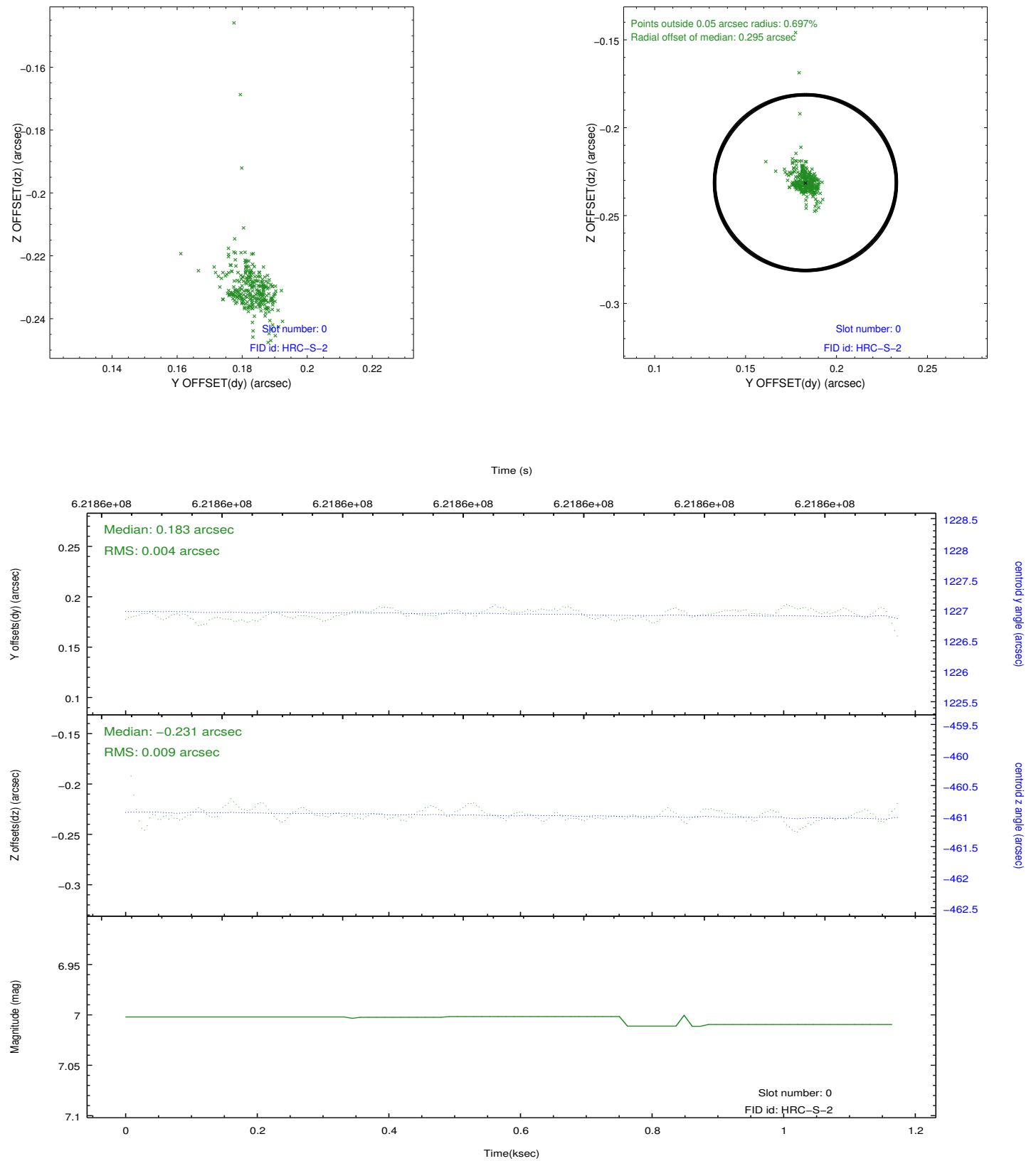


2.4.5 Slot 7

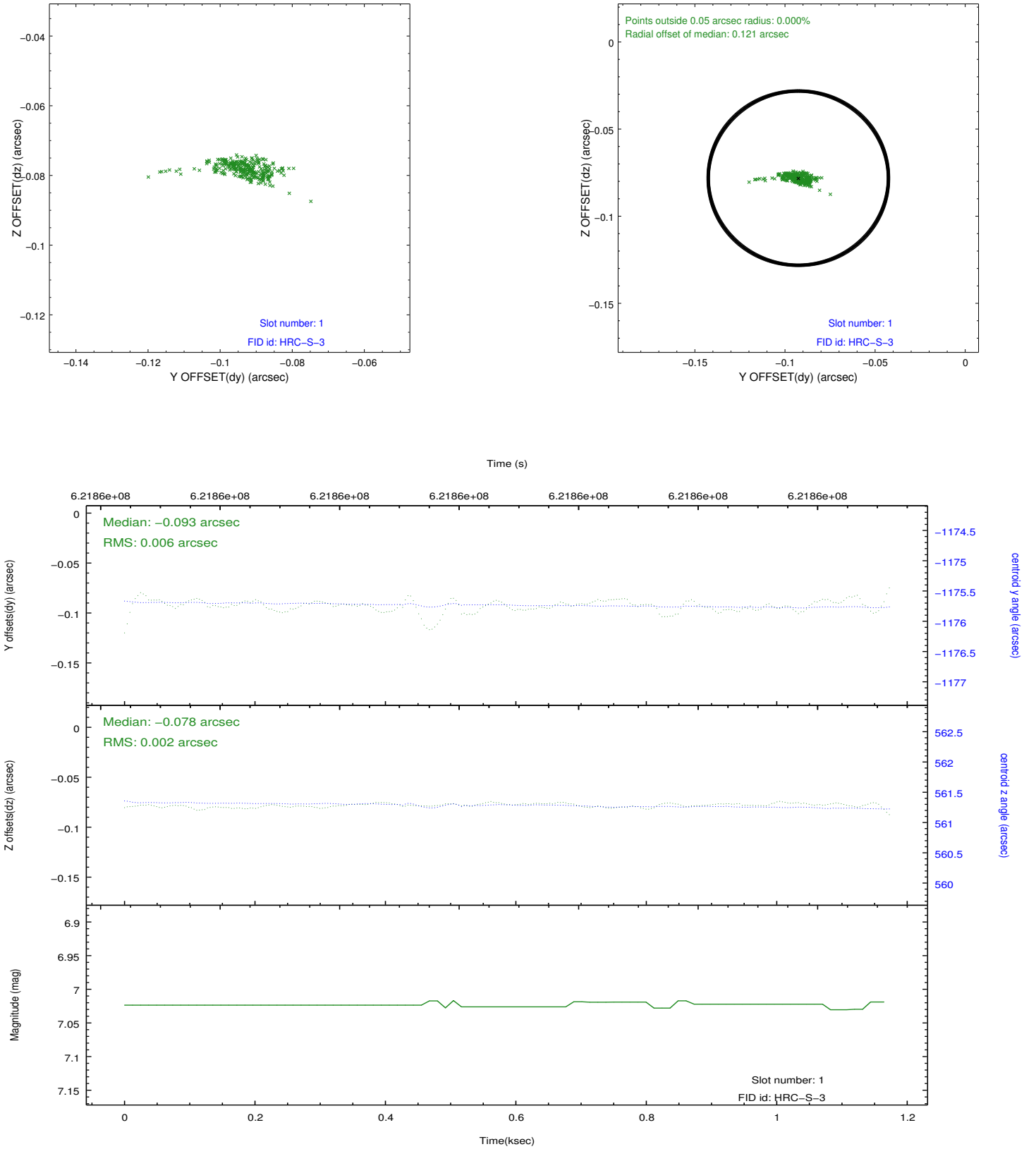


2.5 FID Slots

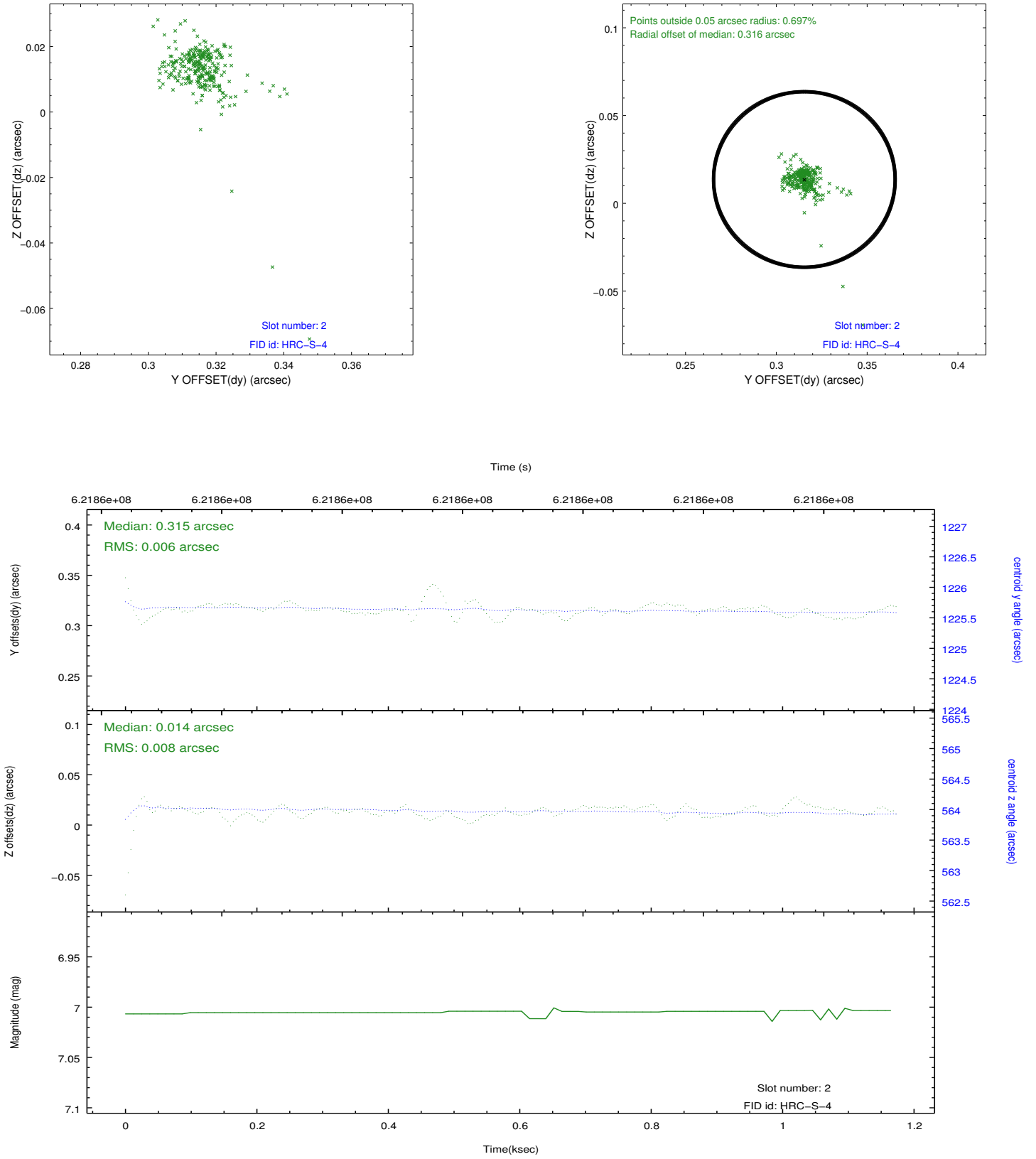
2.5.1 Slot 0



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	1.1718313186169

A.2 Comments