

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18378 - L2 Version 1
Chandra X-Ray Center

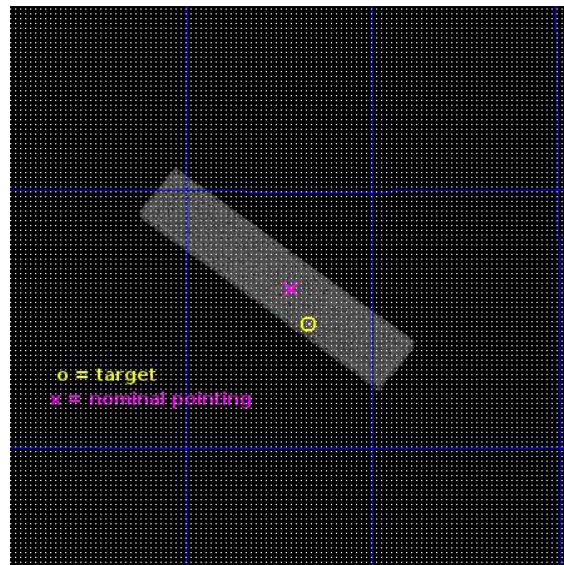
L2 Processing Date : Sep 23 2016

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1 Front

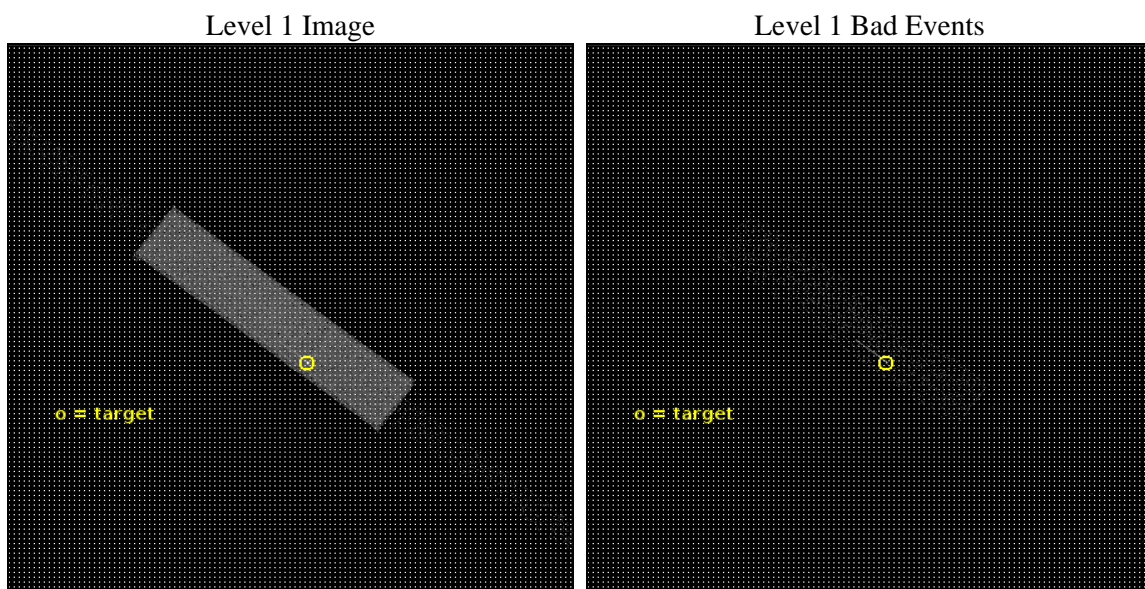
seq_num	291273	Sequence number
obs_id	18378	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21621161044	Nominal RA [deg]
dec_nom	45.81030550995	Nominal Dec [deg]
roll_nom	216.98905970978	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1188.2313184738	[s]
livetime	1179.5254032786	Ontime multiplied by DTCOR
l2events	66909	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1188.2313184738	[s]
caldbver	4.7.2	 	l1events	99853	Number of level 1 events
date	2016-09-23T18:34:47	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

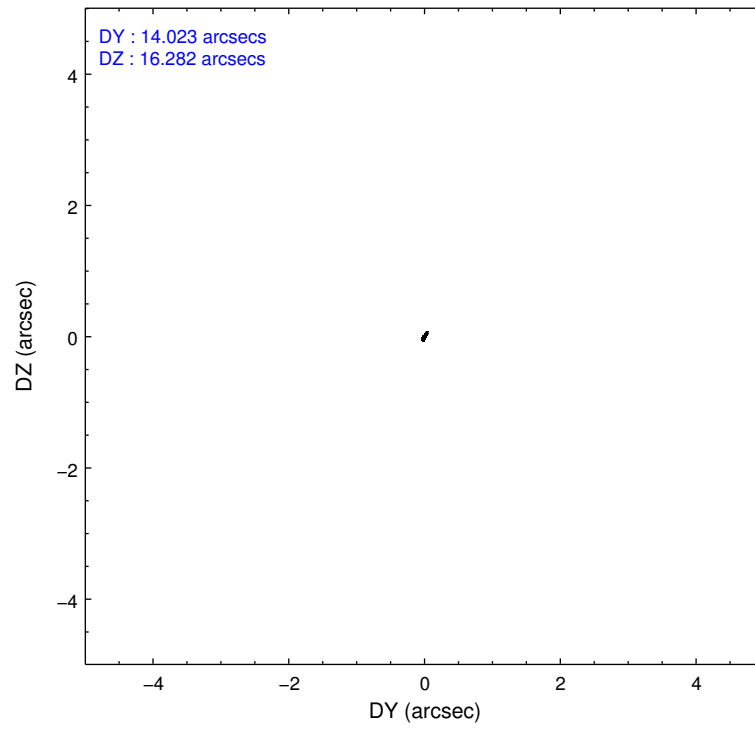
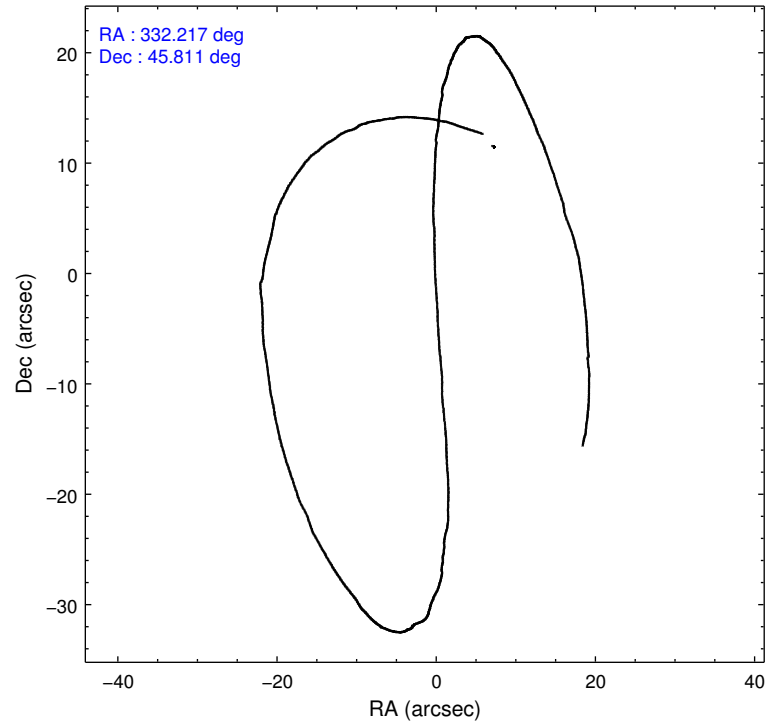
Level 1 Events

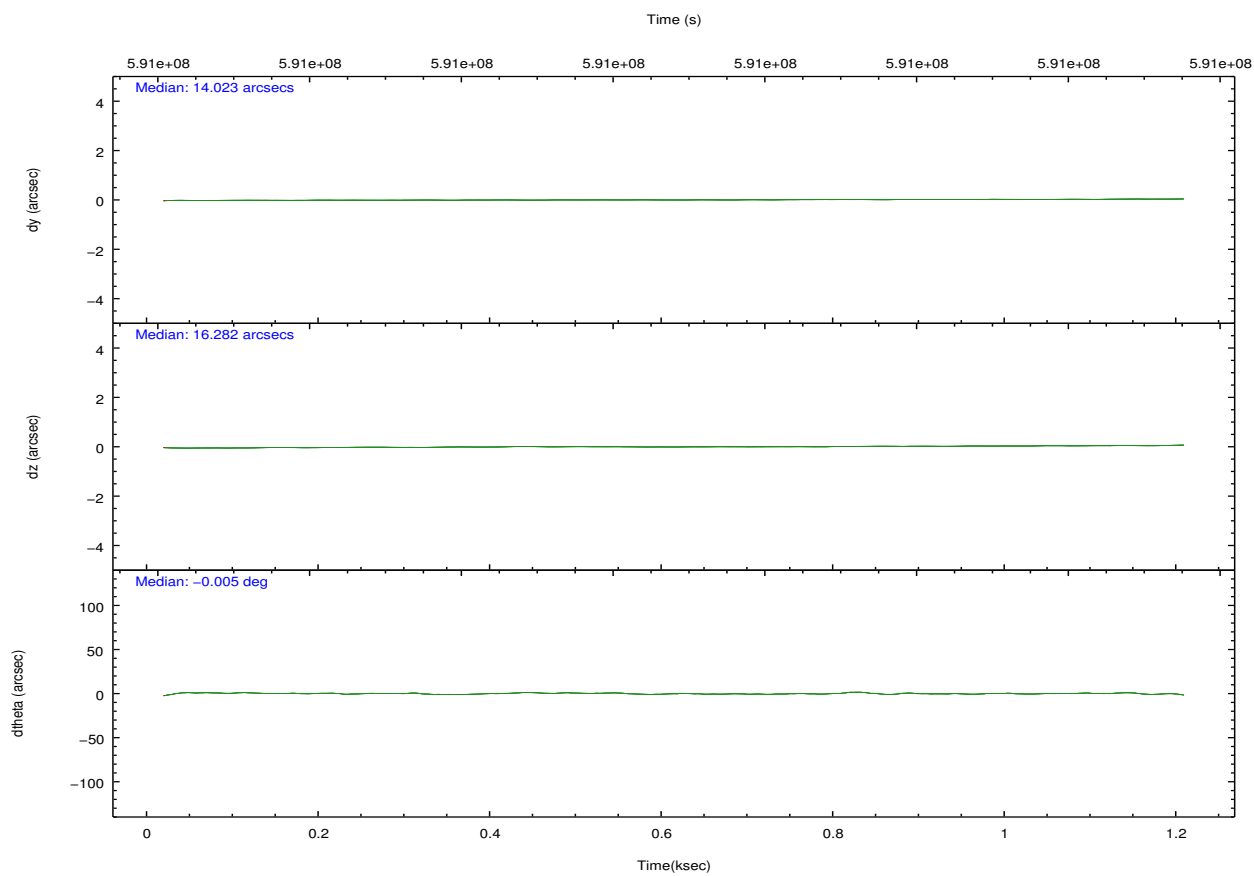
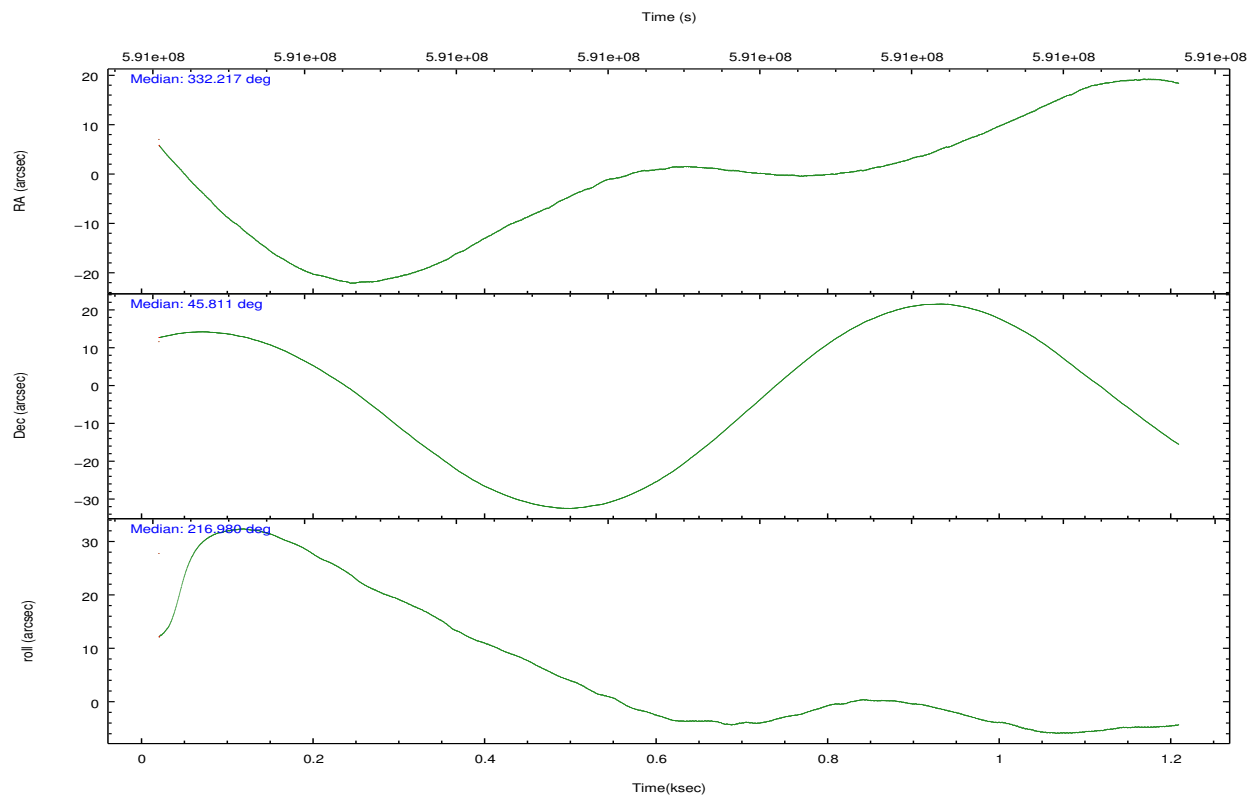
	segment 1	segment 2	segment 3
level 1 events	953	98020	880
rejected events	953	20310	880
rejected %	100%	20%	100%

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	332.230950	332.216211610445			
[deg] Pointing Dec	45.836623	45.8103055099503			
[deg] Pointing Roll	216.911299	216.9890597097755			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	591003282.184000	591002906.3662601			
Observation start date	2016-09-23T07:33:34	2016-09-23T07:28:26			
[s] Observation end time (MET)	591004282.184000	591004416.19135			
Observation end date	2016-09-23T07:50:14	2016-09-23T07:53:36			

2.3 Aspect



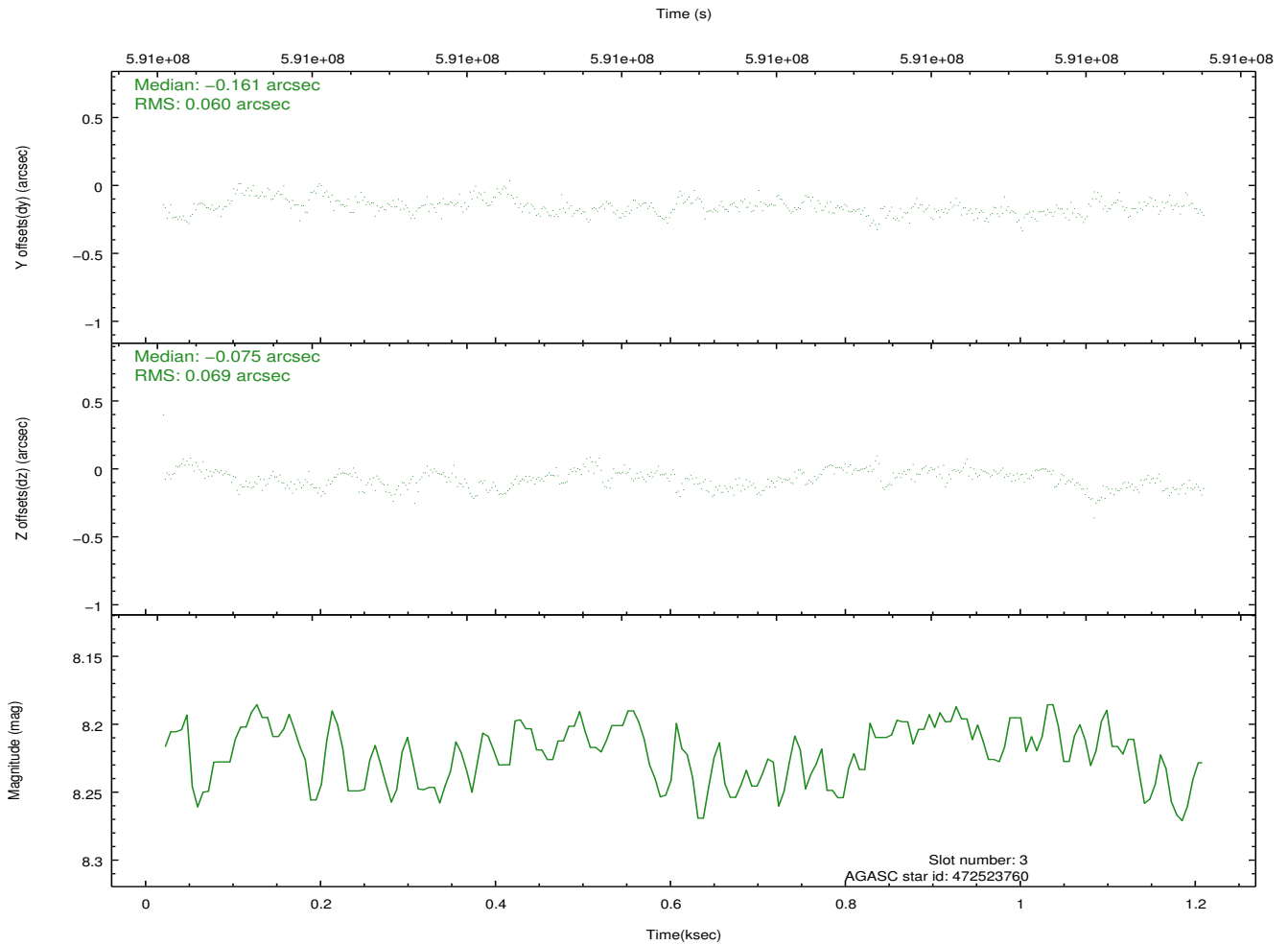
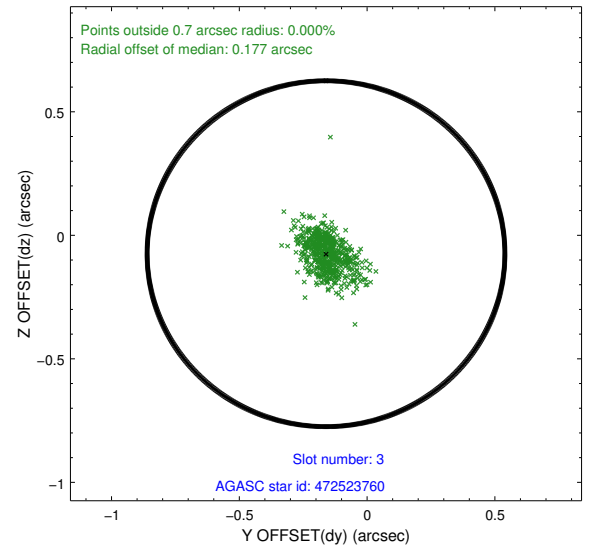
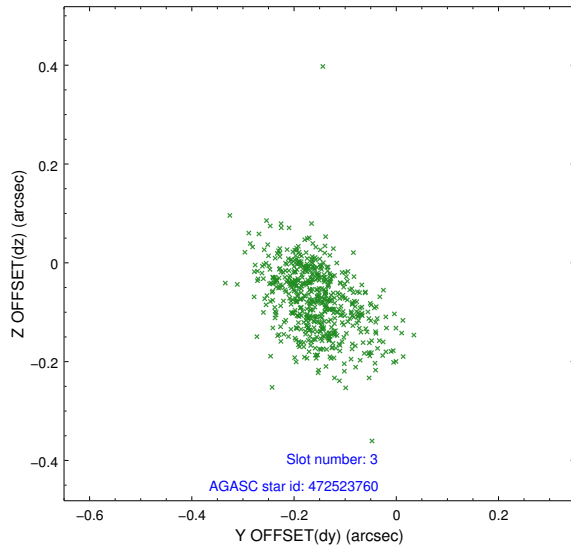


Slot Statistics

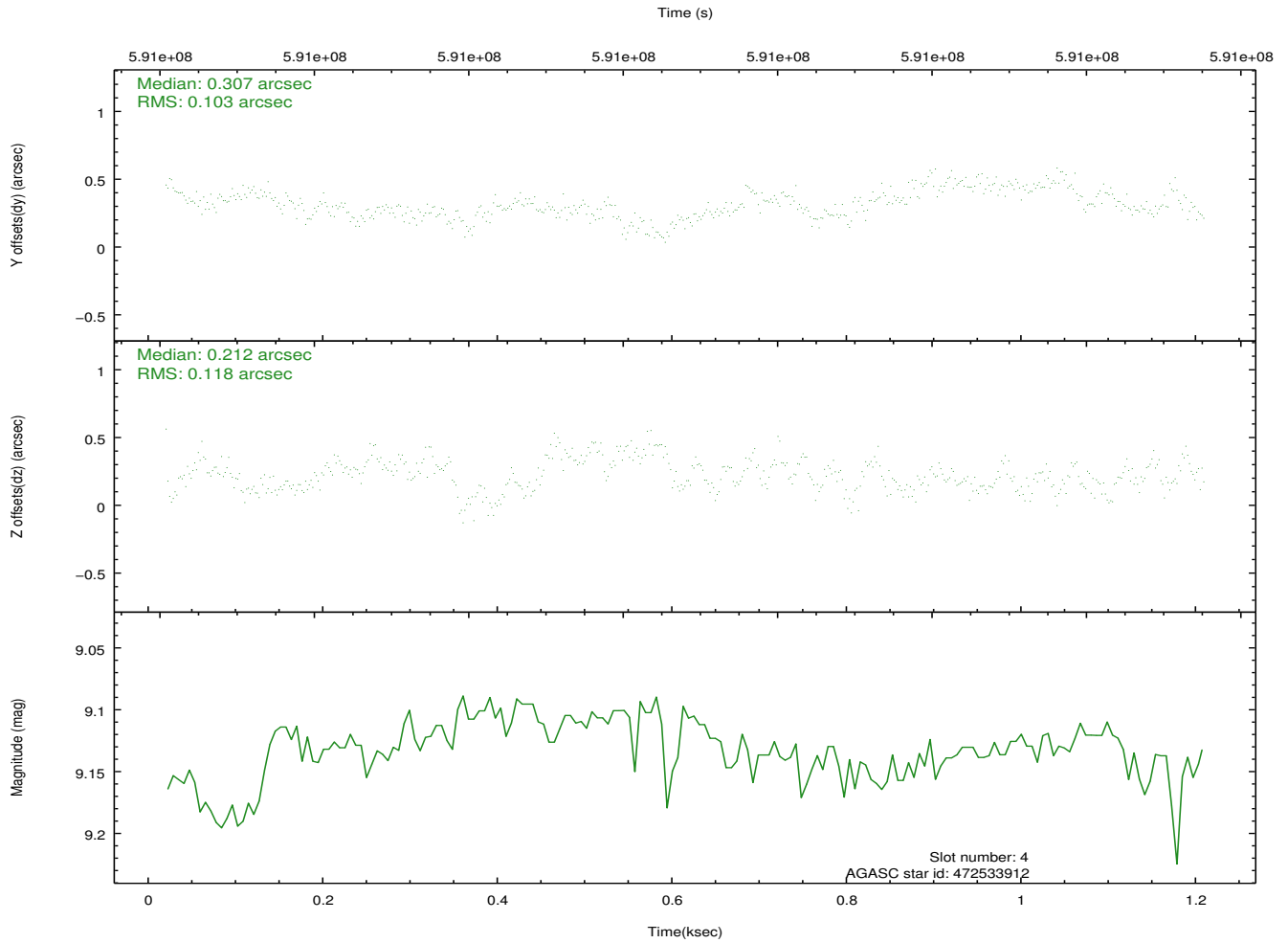
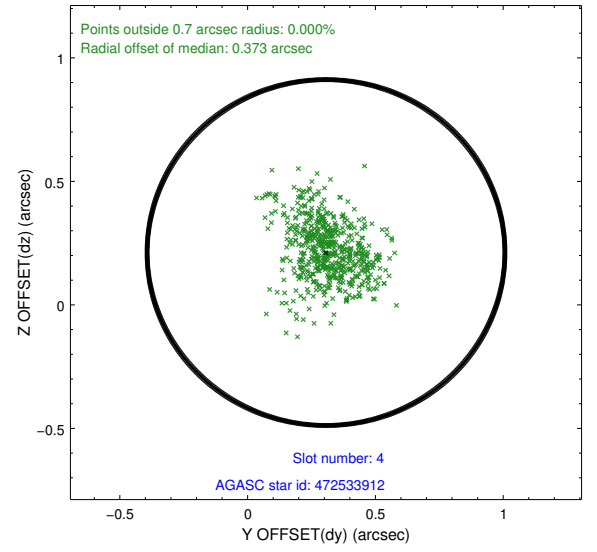
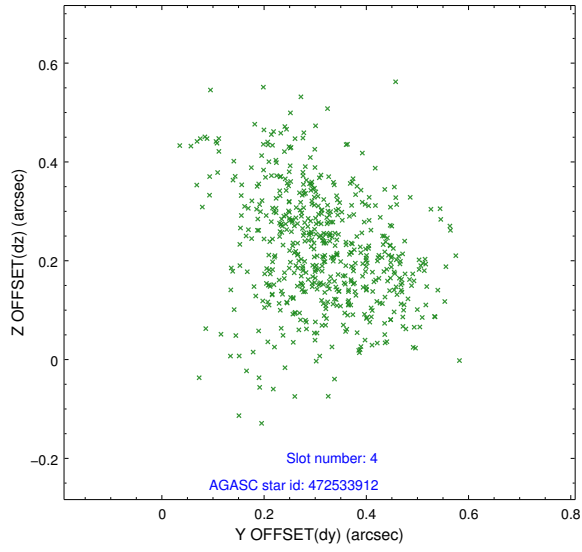
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	291	-0.028	-0.216	0.006	0.012	0.000000	0.000000	-1168.48	-465.20
1	FID		HRC-S-2	7.05	291	0.357	-0.130	0.005	0.011	0.000000	0.000000	1227.55	-459.29
2	FID		HRC-S-3	7.05	291	0.060	0.044	0.007	0.011	0.000000	0.000000	-1166.92	563.00
3	GUIDE	used	472523760	8.22	581	-0.161	-0.075	0.092	0.161	331.645363	45.403260	2118.39	357.49
4	GUIDE	used	472533912	9.13	581	0.307	0.212	0.160	0.268	331.791136	46.368695	-273.19	-2186.15
5	GUIDE	used	472651904	6.13	581	-0.291	-0.308	0.127	0.194	332.170077	45.742257	326.89	177.67
6	GUIDE	used	472655152	9.40	581	0.011	-0.107	0.194	0.319	332.504239	45.862991	-603.76	338.09
7	GUIDE	used	472665256	8.98	580	0.133	0.292	0.135	0.207	332.808125	46.195041	-1927.74	-168.25

2.4 Star Slots

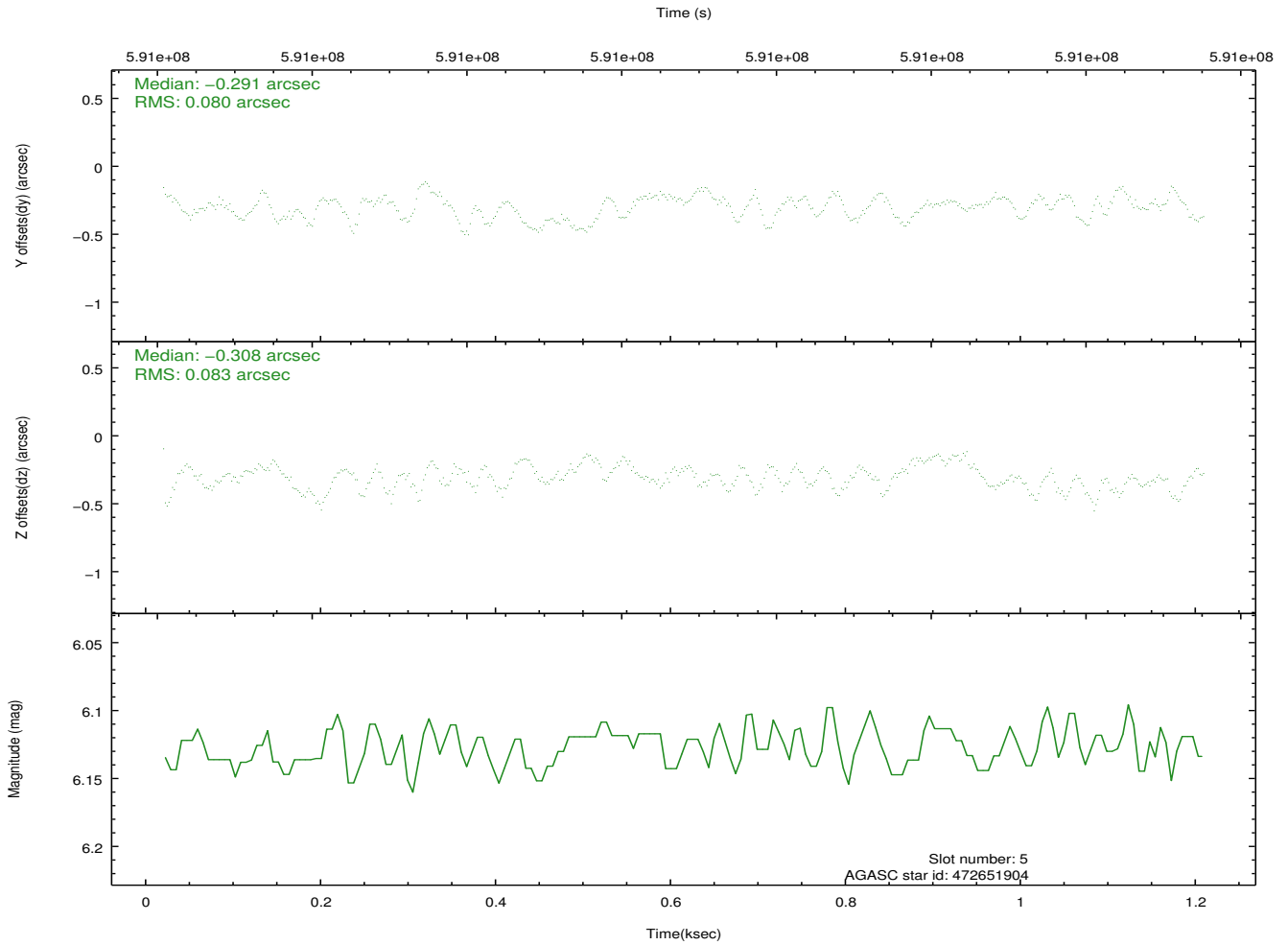
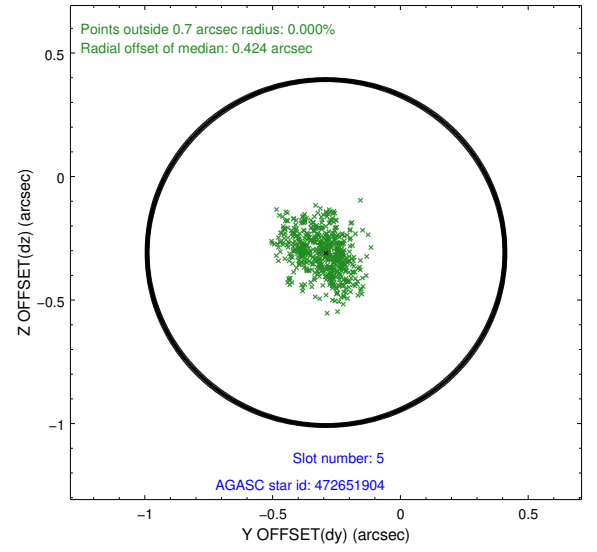
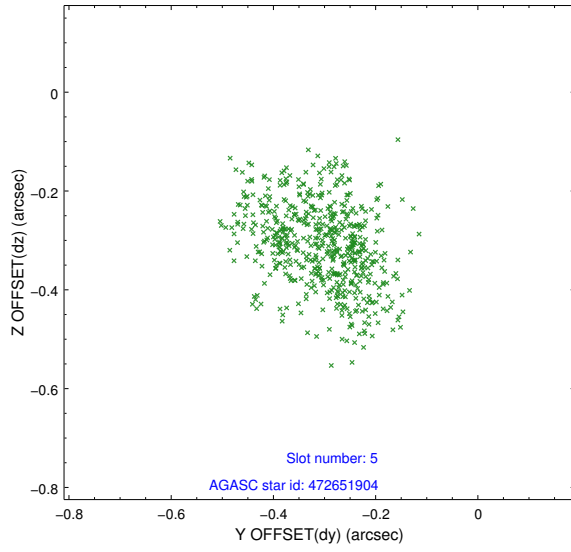
2.4.1 Slot 3



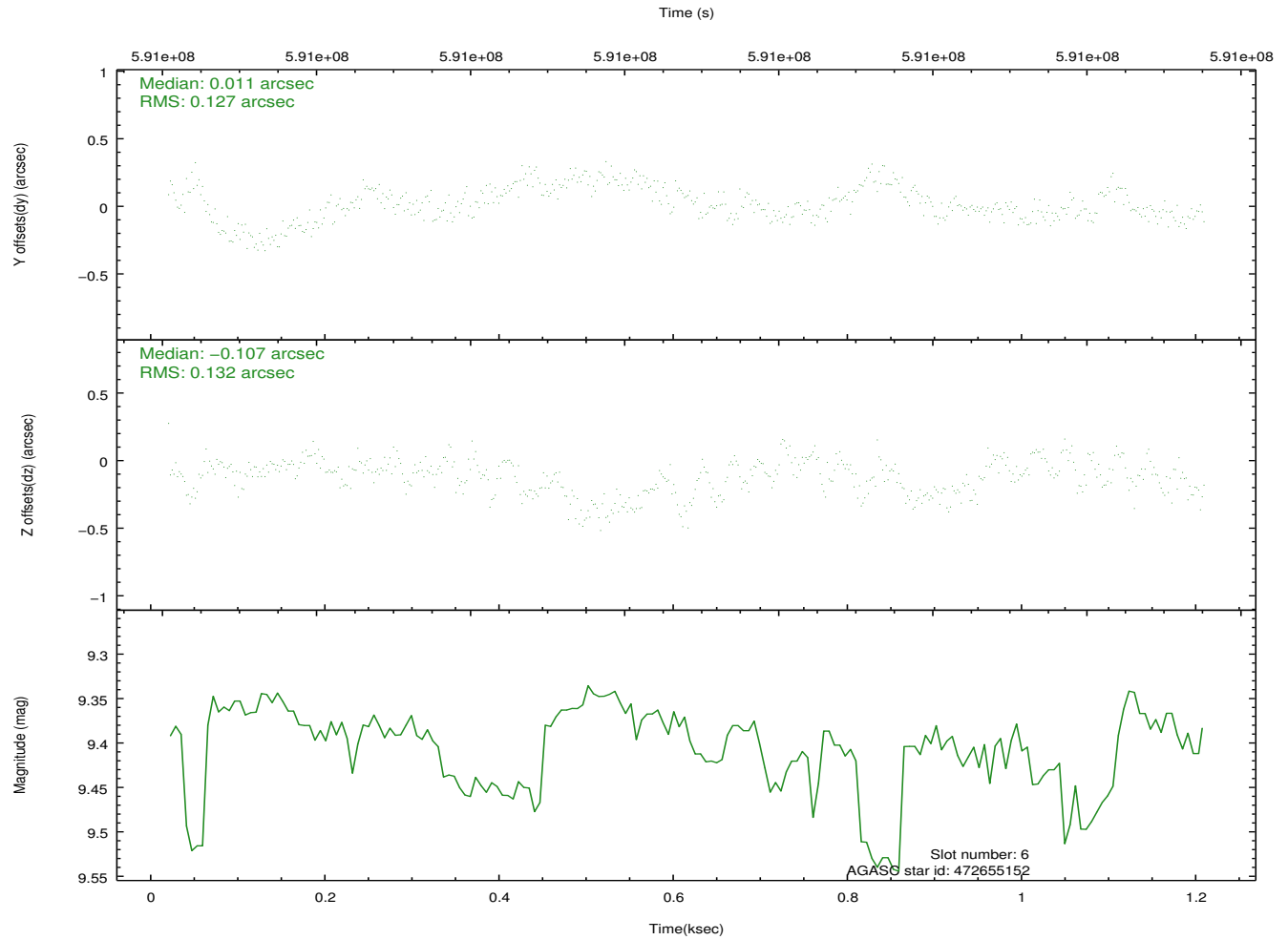
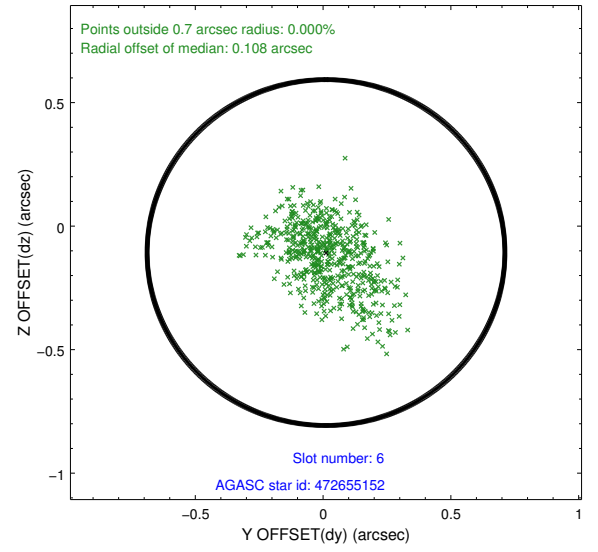
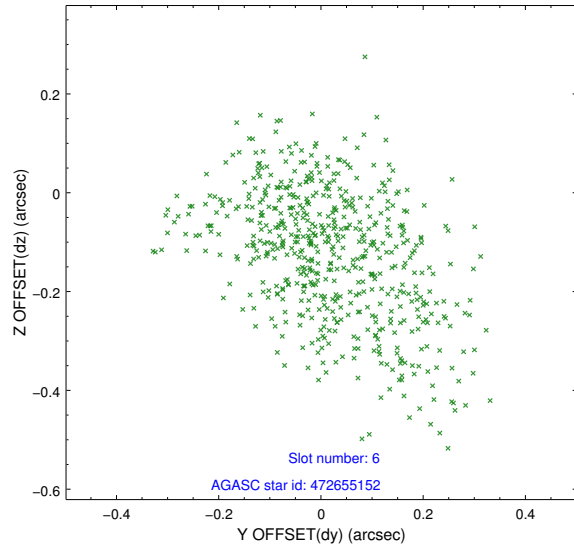
2.4.2 Slot 4



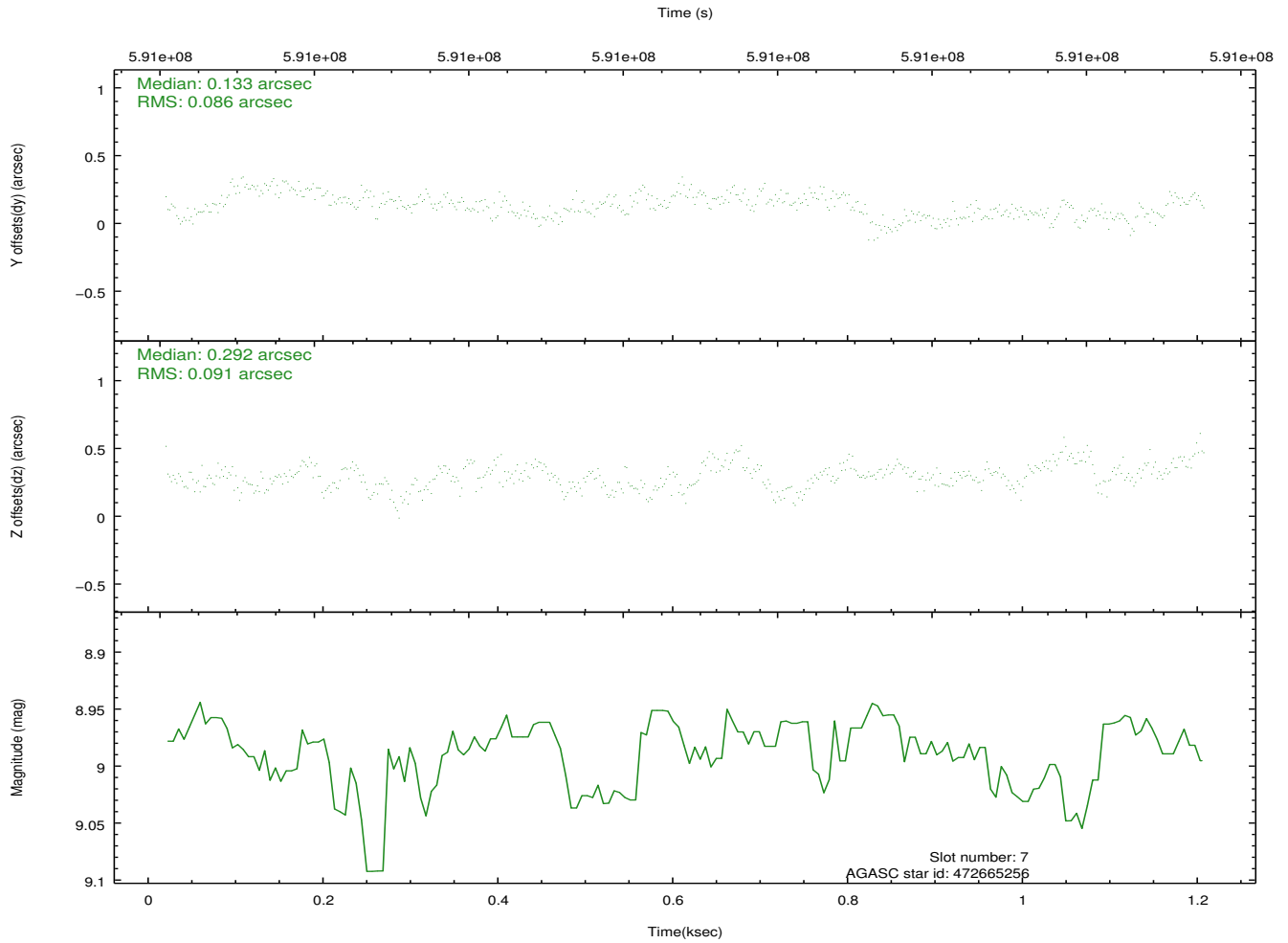
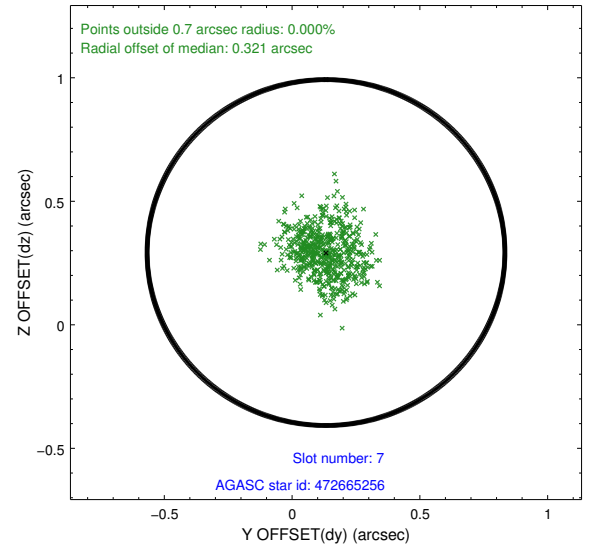
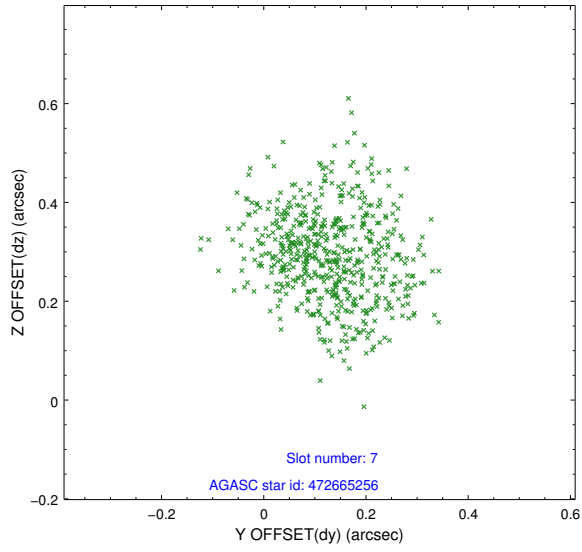
2.4.3 Slot 5



2.4.4 Slot 6

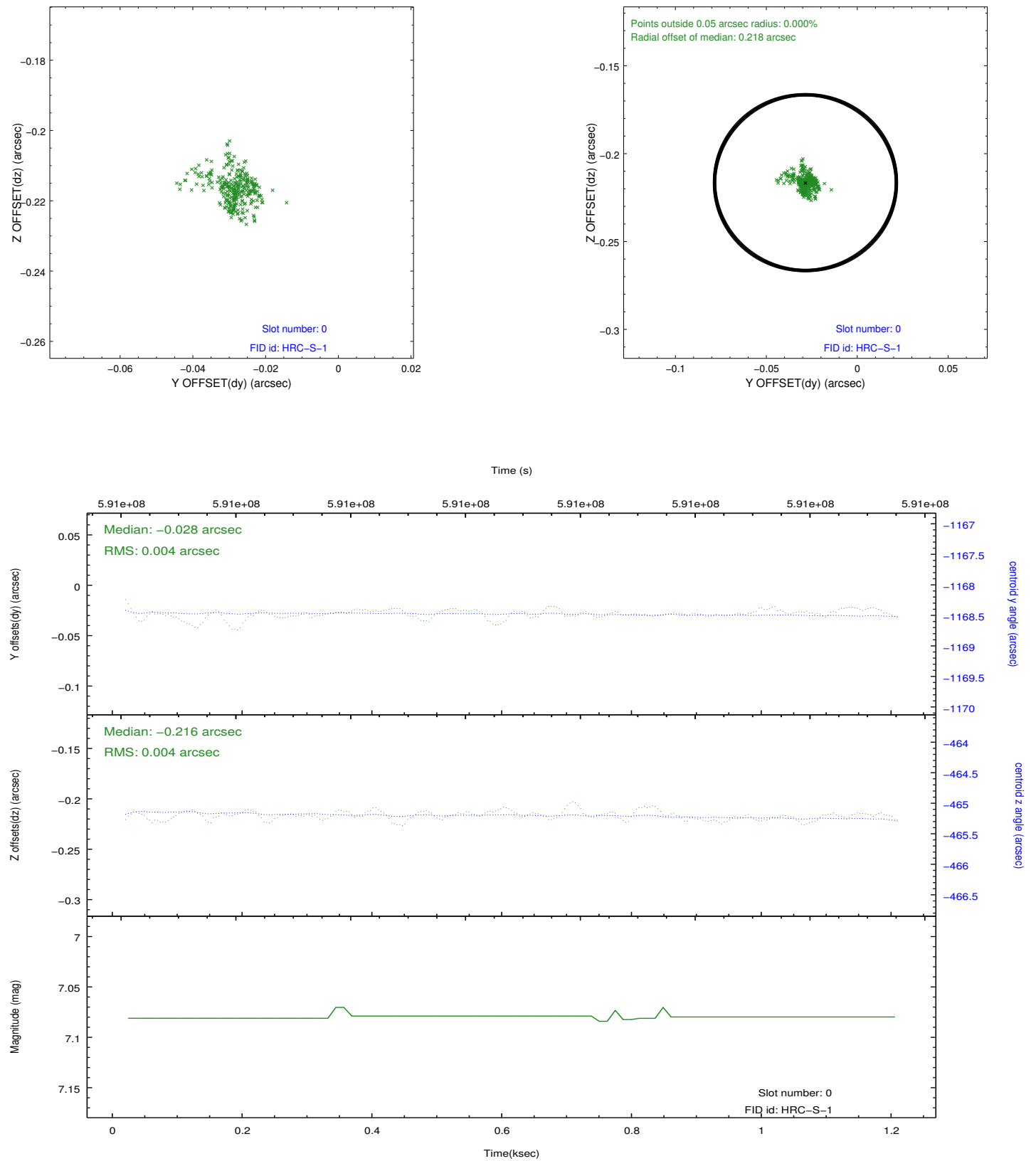


2.4.5 Slot 7

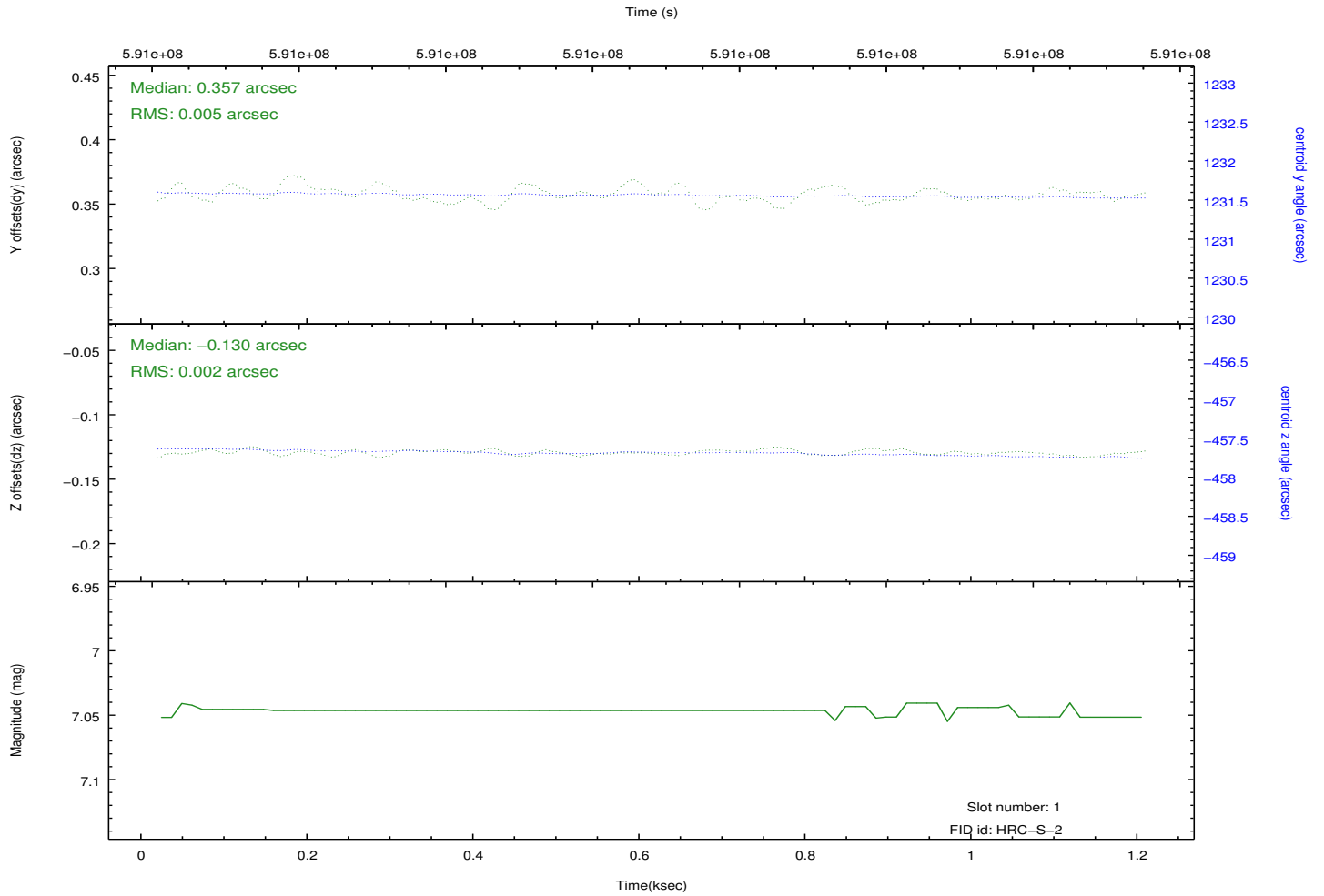
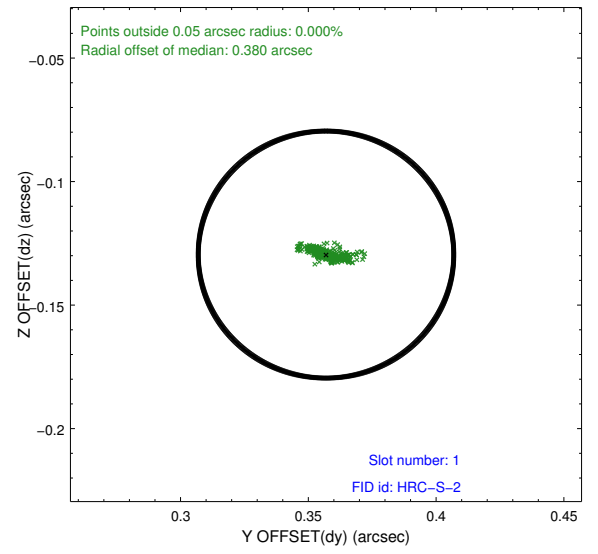
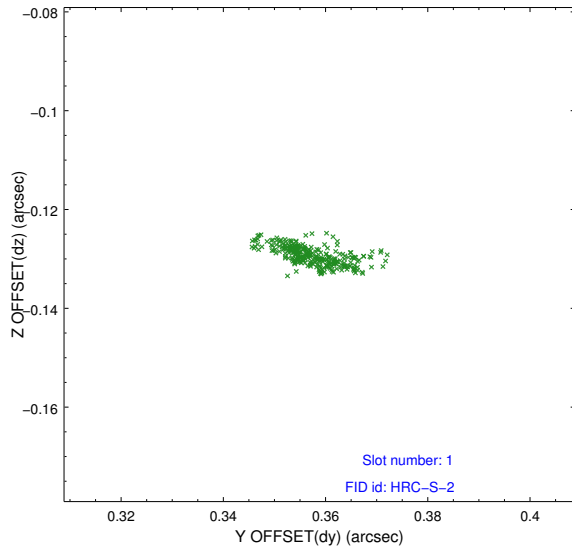


2.5 FID Slots

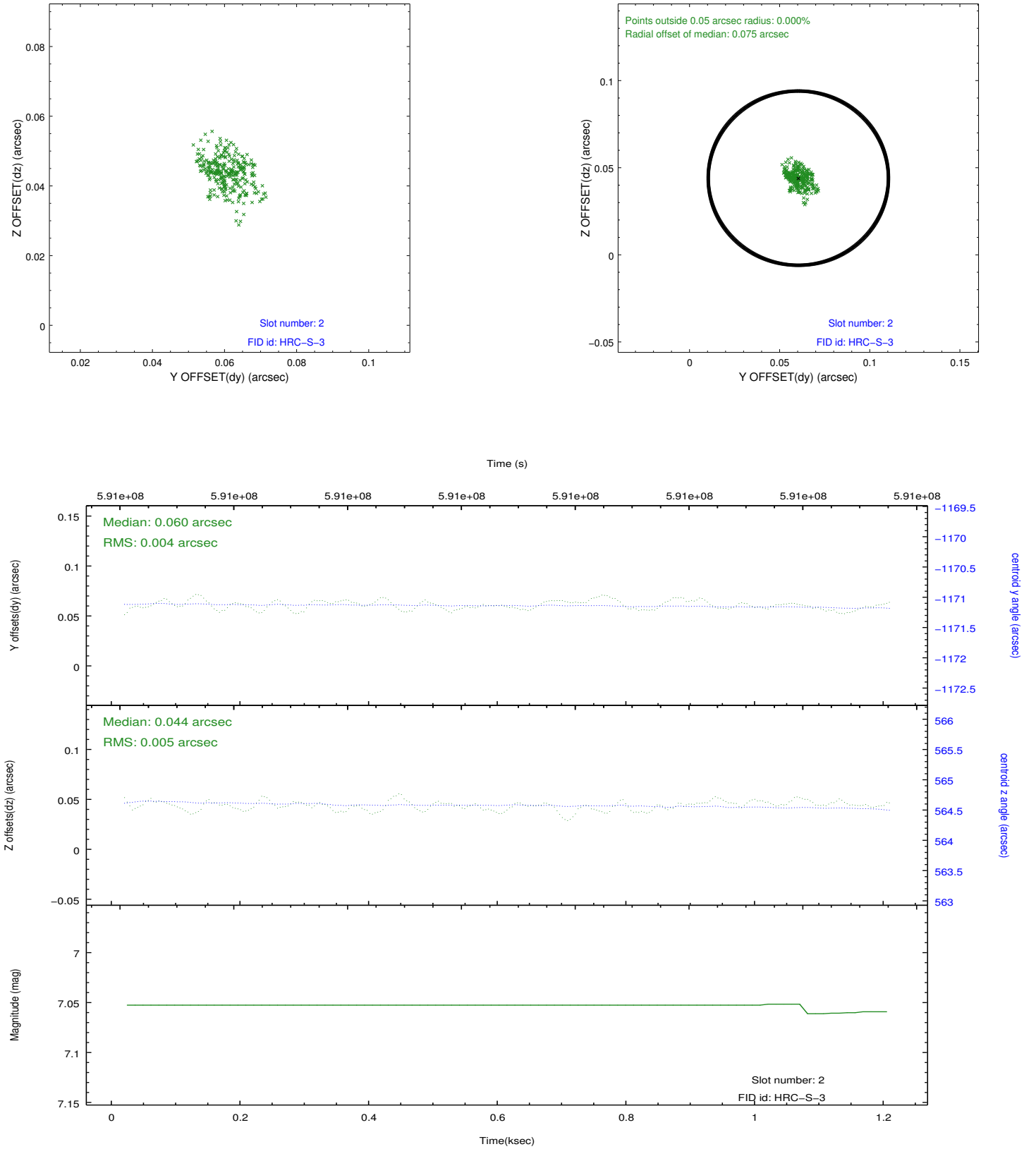
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313184738

A.2 Comments