

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18371 - L2 Version 1
Chandra X-Ray Center

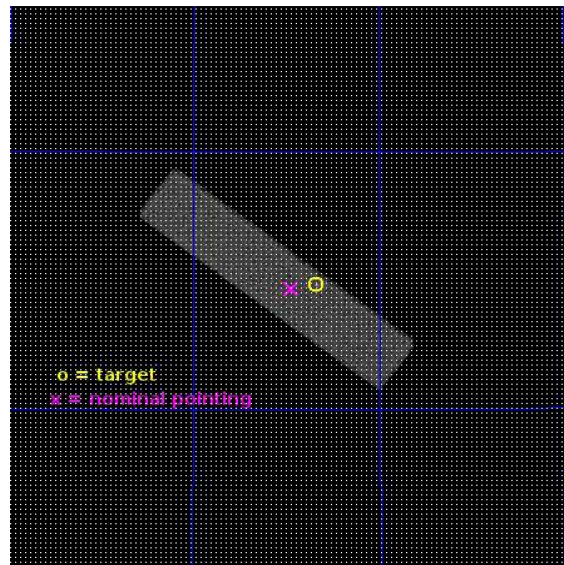
L2 Processing Date : Sep 23 2016

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1 Front

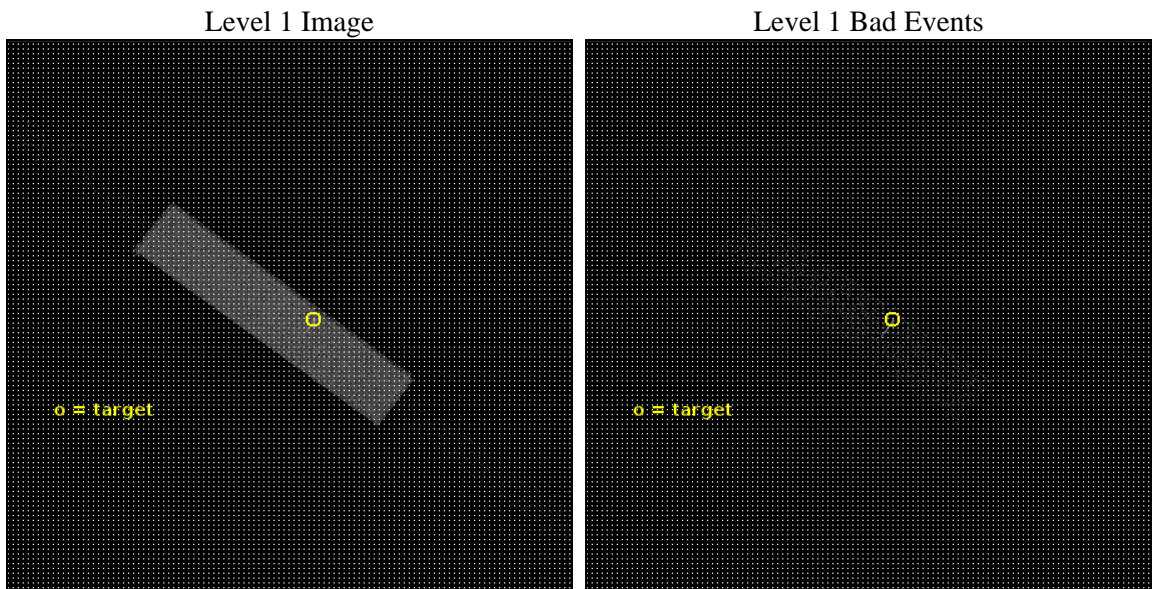
seq_num	291266	Sequence number
obs_id	18371	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23616203329	Nominal RA [deg]
dec_nom	45.734878951545	Nominal Dec [deg]
roll_nom	216.82746454902	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1101.8750633001	[s]
livetime	1087.5448207076	Ontime multiplied by DTCOR
l2events	65033	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	1101.8750633001	[s]
caldsver	4.7.2	 	l1events	142660	Number of level 1 events
date	2016-09-23T18:33:22	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

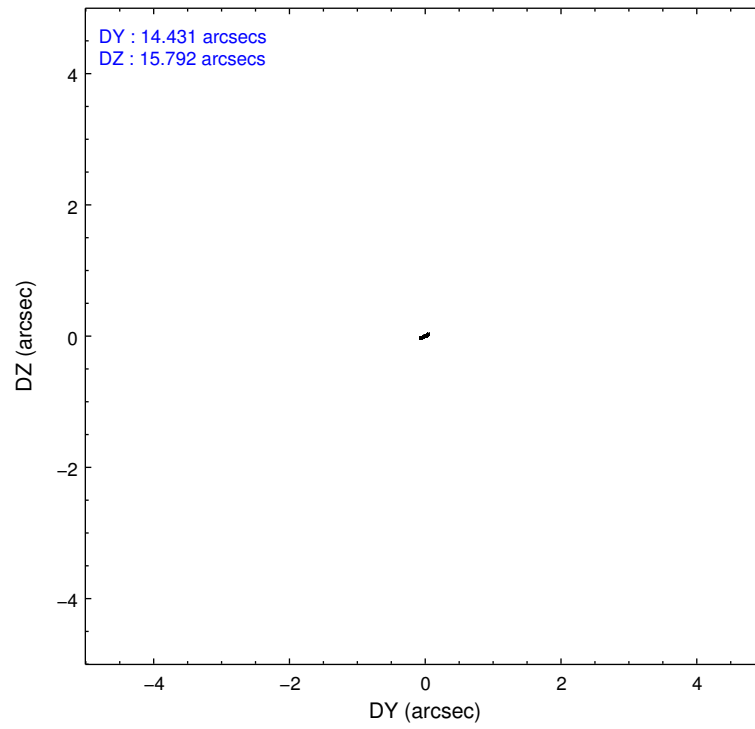
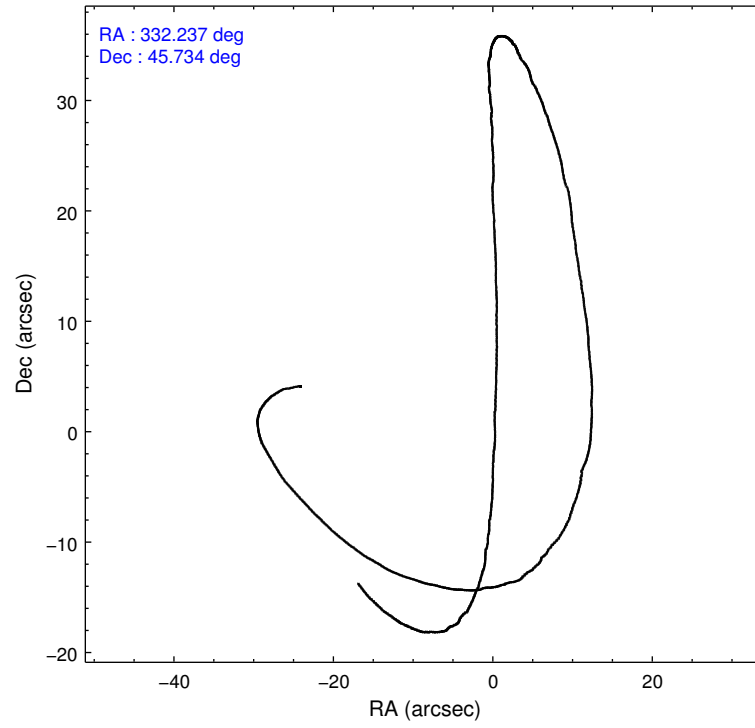
	segment 1	segment 2	segment 3
level 1 events	838	140977	845
rejected events	838	65907	845
rejected %	100%	46%	100%

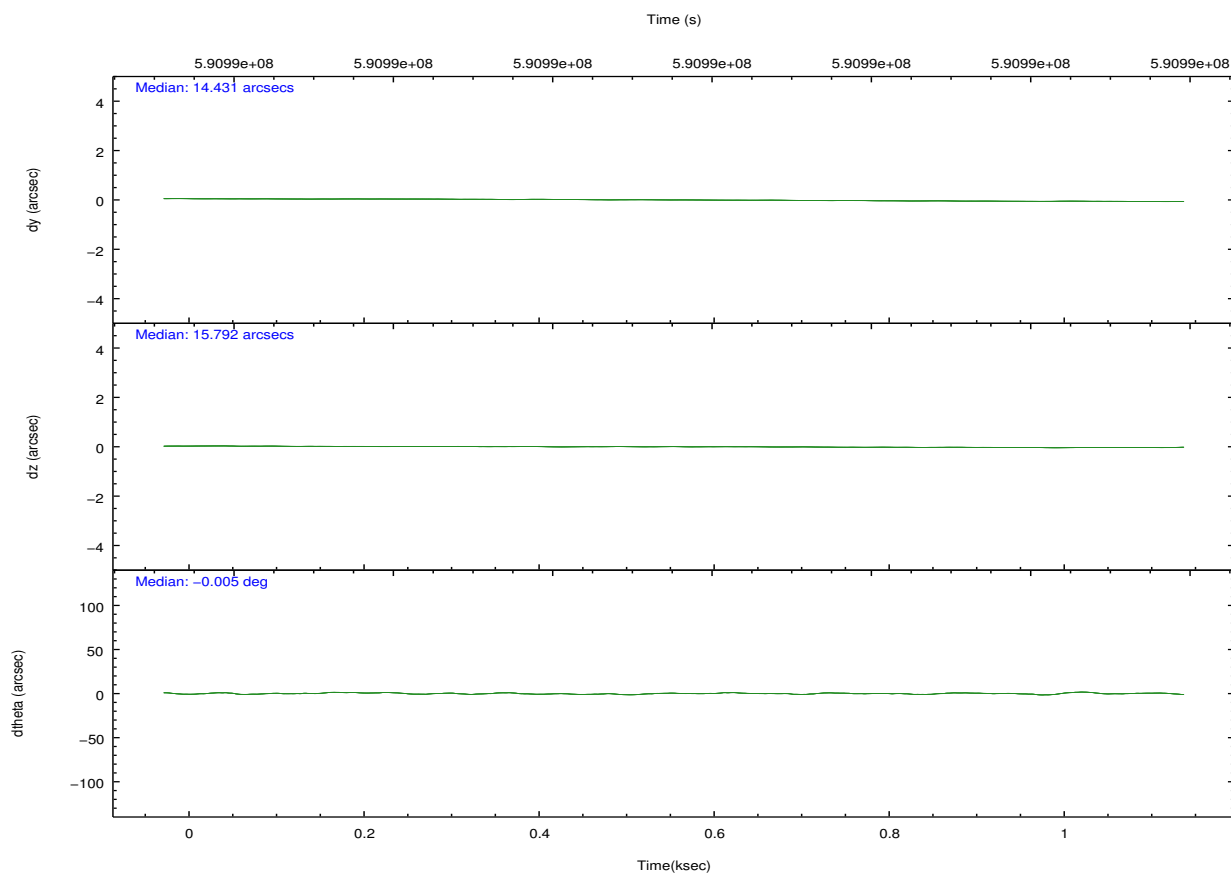
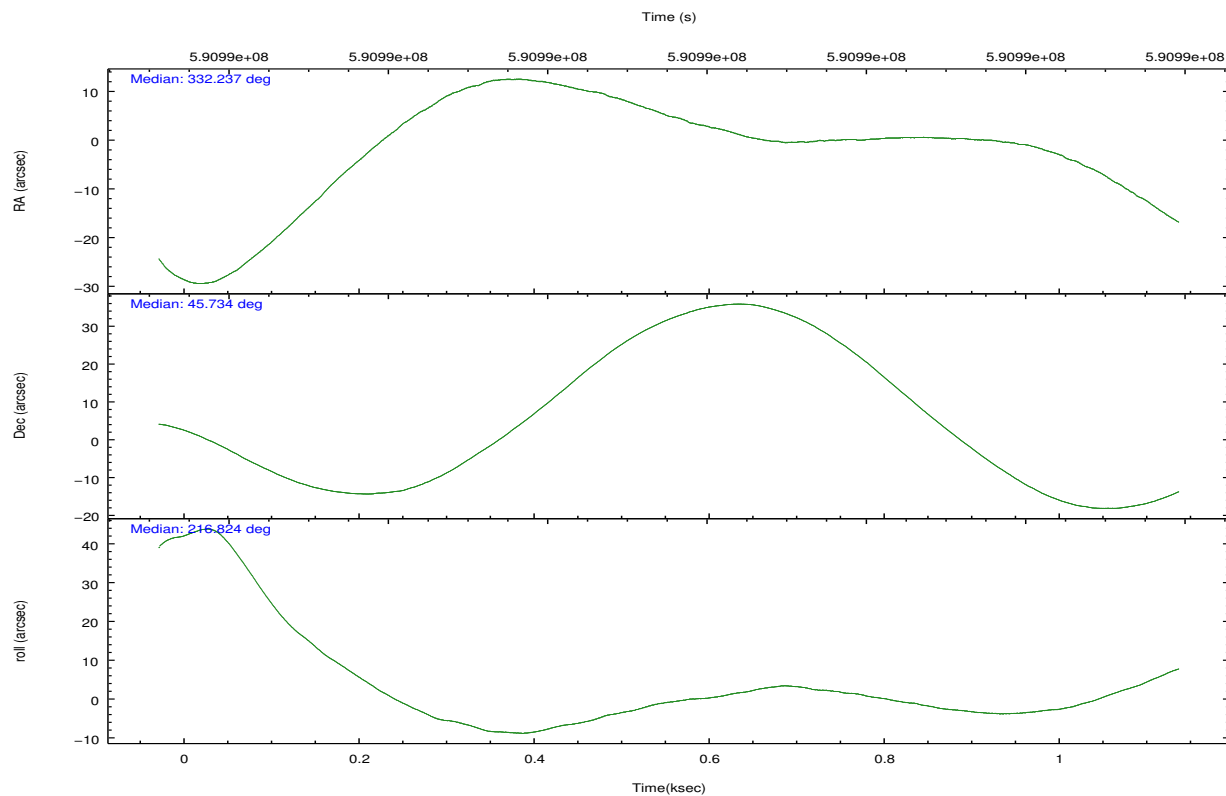
2.2 Compared Parameters

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	332.250071	332.2361620332889
[deg] Pointing Dec	45.762957	45.7348789515453
[deg] Pointing Roll	216.750035	216.8274645490233
[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)	590992712.184000	590991714.90312
Observation start date	2016-09-23T04:37:24	2016-09-23T04:21:54
[s] Observation end time (MET)	590993712.184000	590993846.39074
Observation end date	2016-09-23T04:54:04	2016-09-23T04:57:26

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

2.3 Aspect



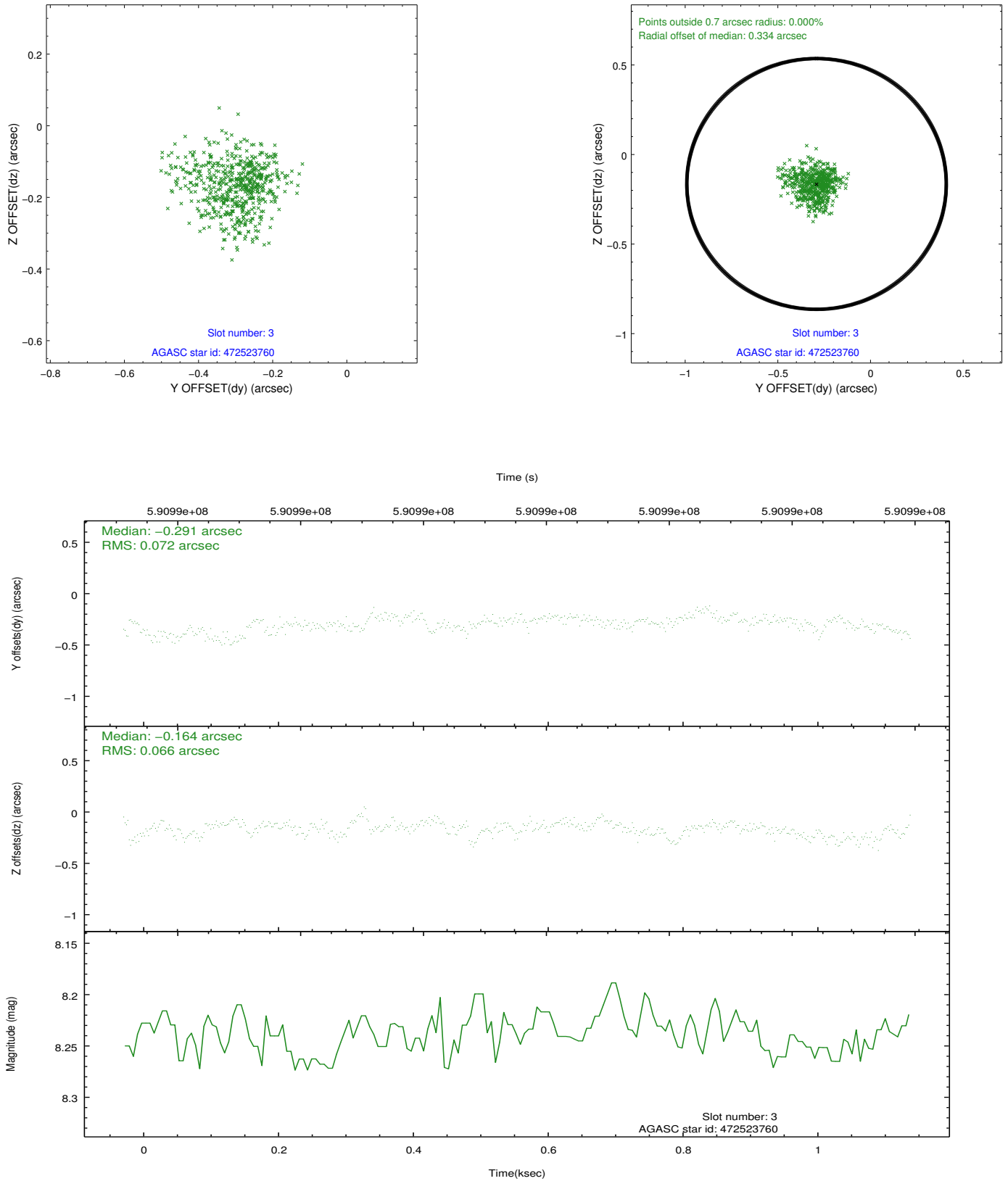


Slot Statistics

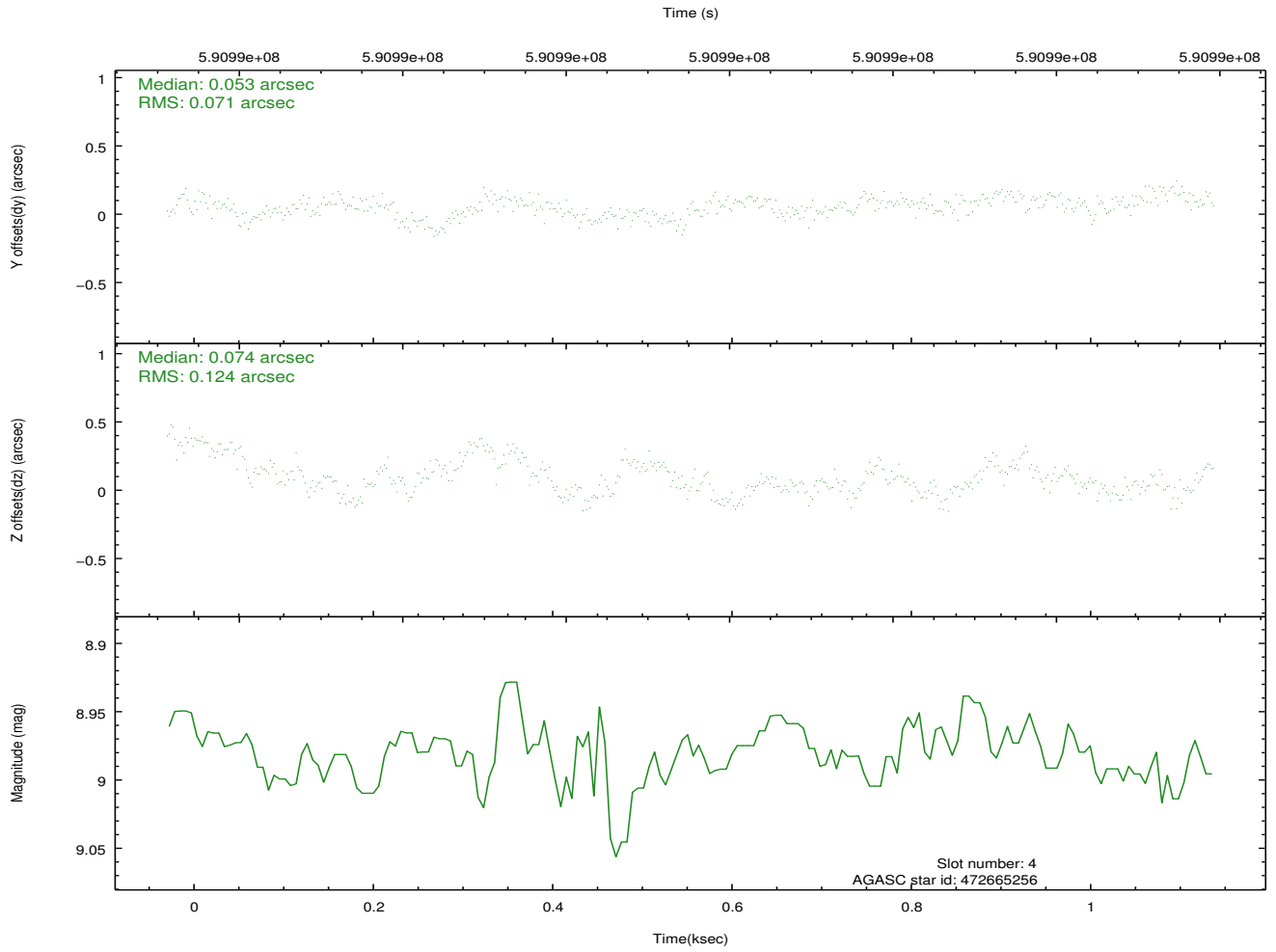
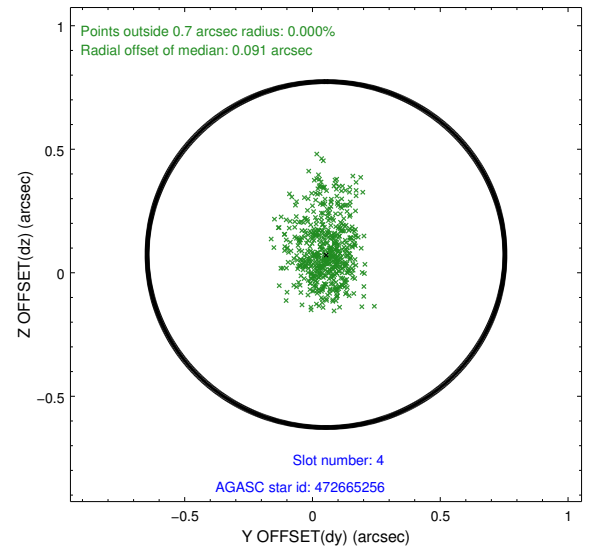
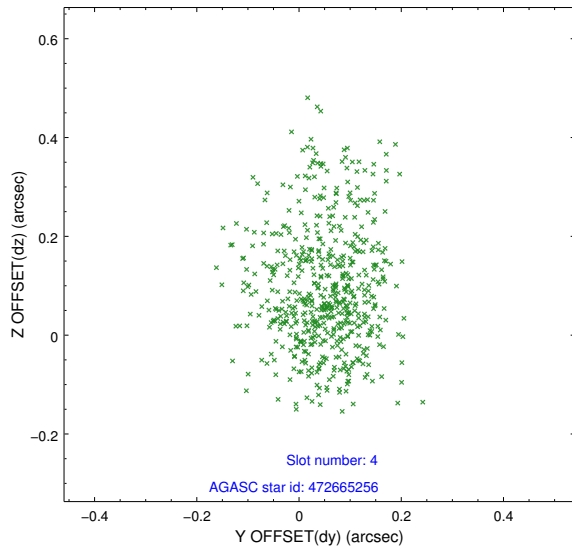
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.07	285	-0.032	-0.244	0.006	0.010	0.000000	0.000000	-1168.90	-464.72
1	FID		HRC-S-2	7.04	285	0.367	-0.132	0.004	0.010	0.000000	0.000000	1227.05	-458.83
2	FID		HRC-S-3	7.05	285	0.054	0.074	0.006	0.010	0.000000	0.000000	-1167.25	563.51
3	GUIDE	used	472523760	8.24	569	-0.291	-0.164	0.106	0.168	331.645363	45.403260	1995.17	114.88
4	GUIDE	used	472665256	8.98	570	0.053	0.074	0.143	0.271	332.808125	46.195041	-2045.00	-421.40
5	GUIDE	used	472533912	9.12	569	0.212	0.182	0.155	0.262	331.791136	46.368695	-397.29	-2436.02
6	GUIDE	used	472655152	9.40	570	-0.104	-0.257	0.187	0.302	332.504239	45.862991	-728.12	84.12
7	GUIDE	used	472663080	9.37	569	0.136	0.155	0.145	0.235	332.652741	46.473840	-2334.46	-1458.48

2.4 Star Slots

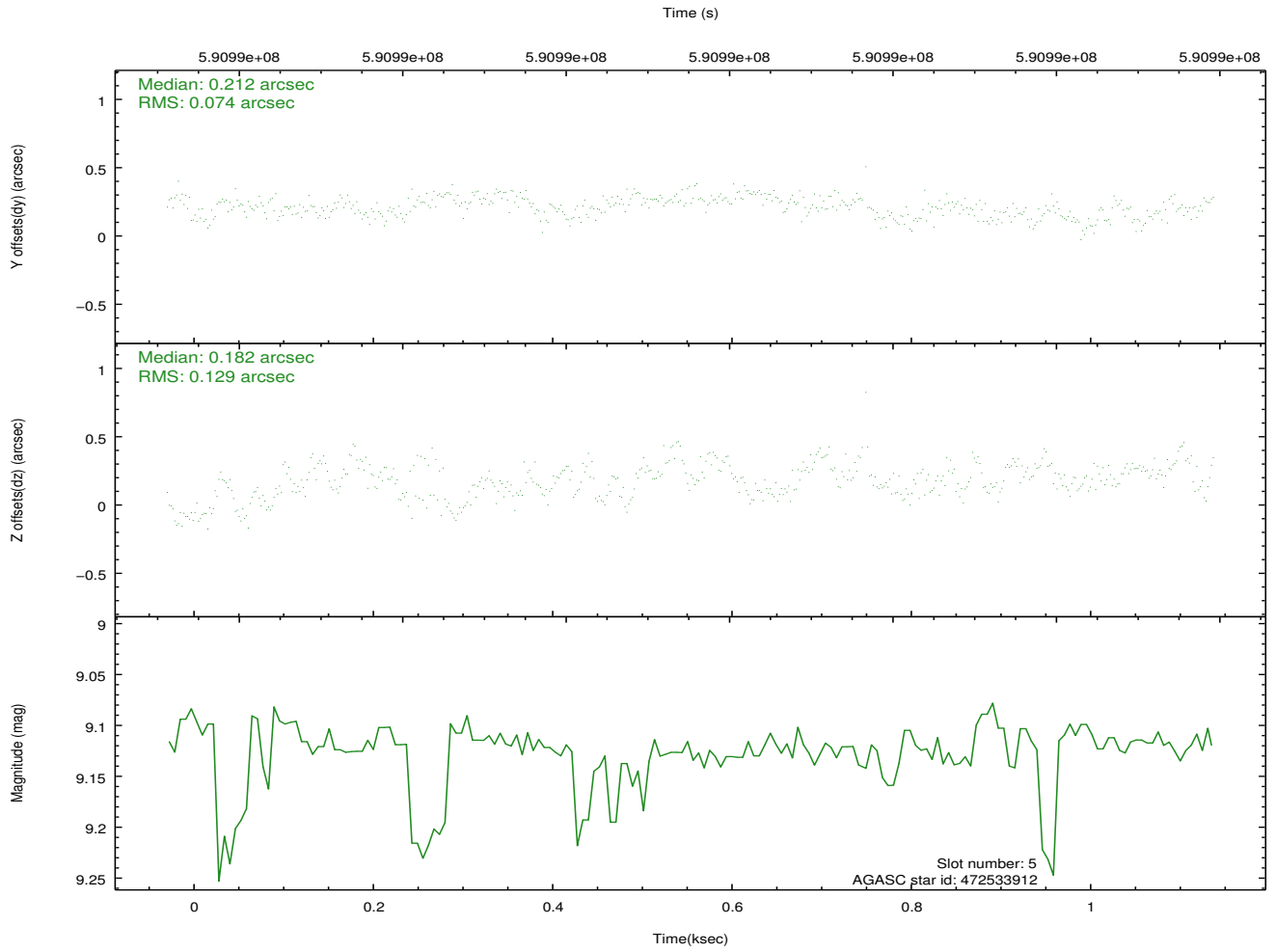
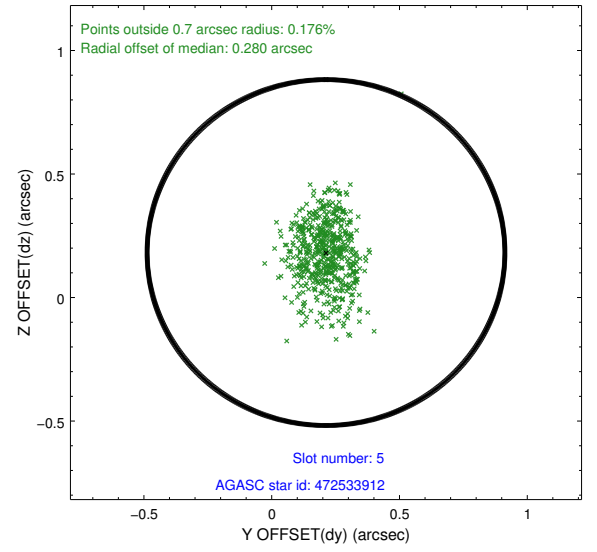
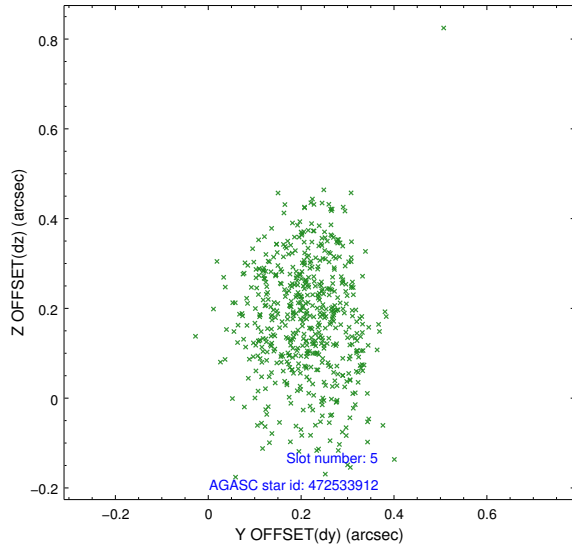
2.4.1 Slot 3



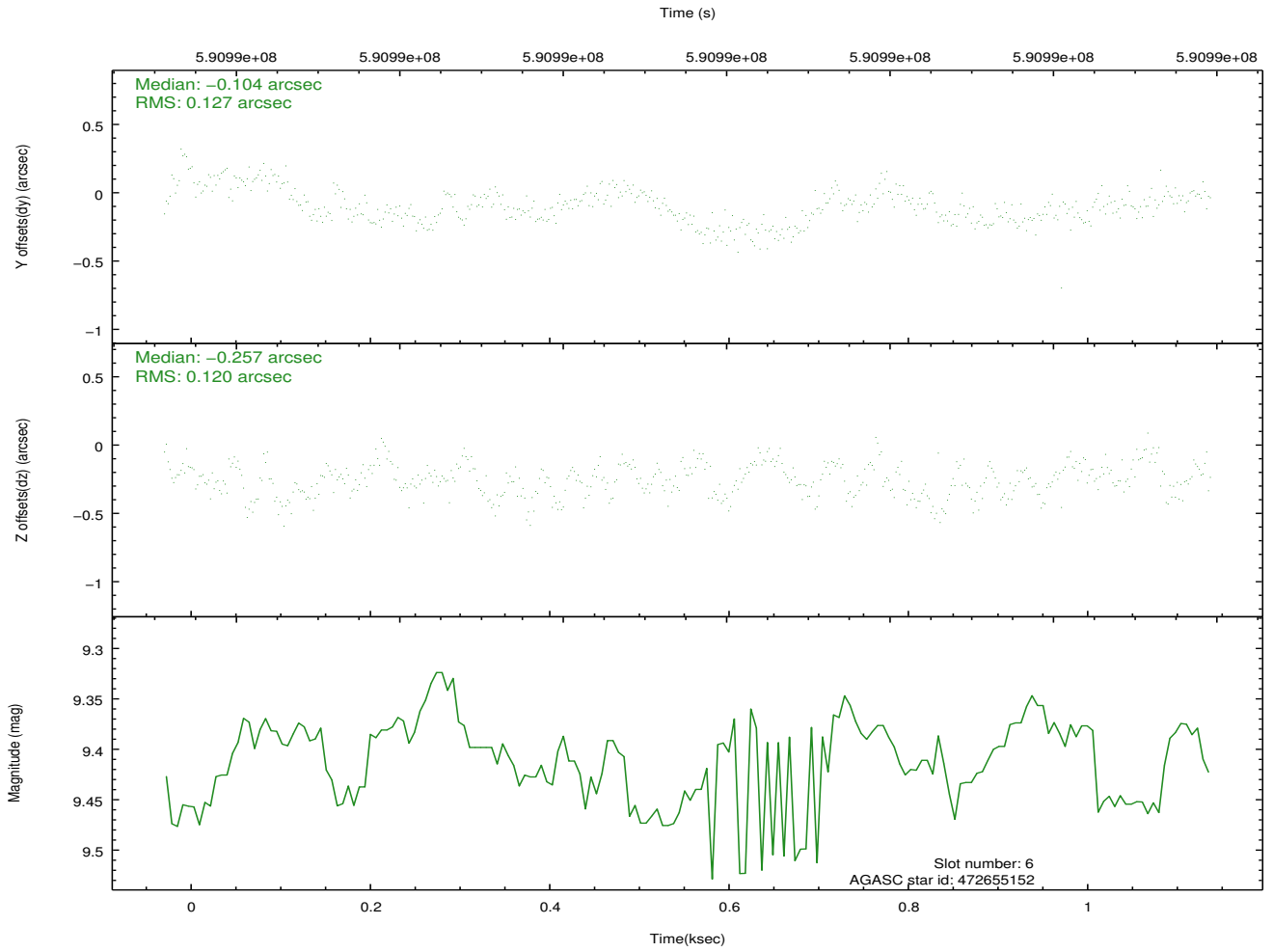
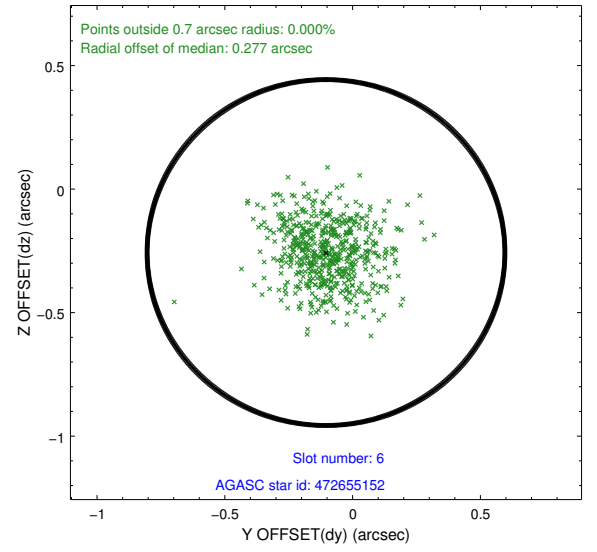
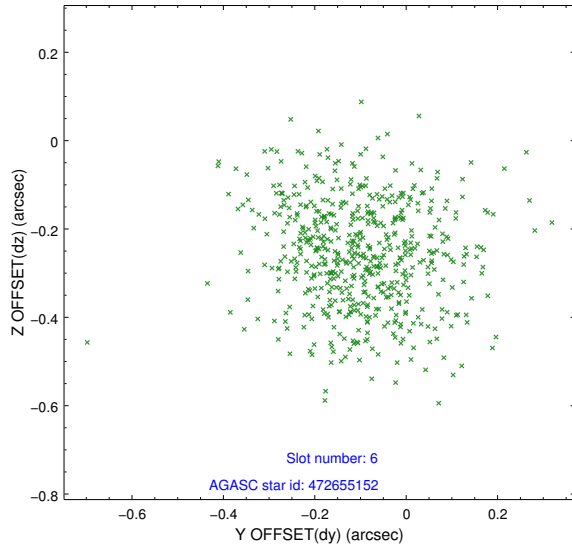
2.4.2 Slot 4



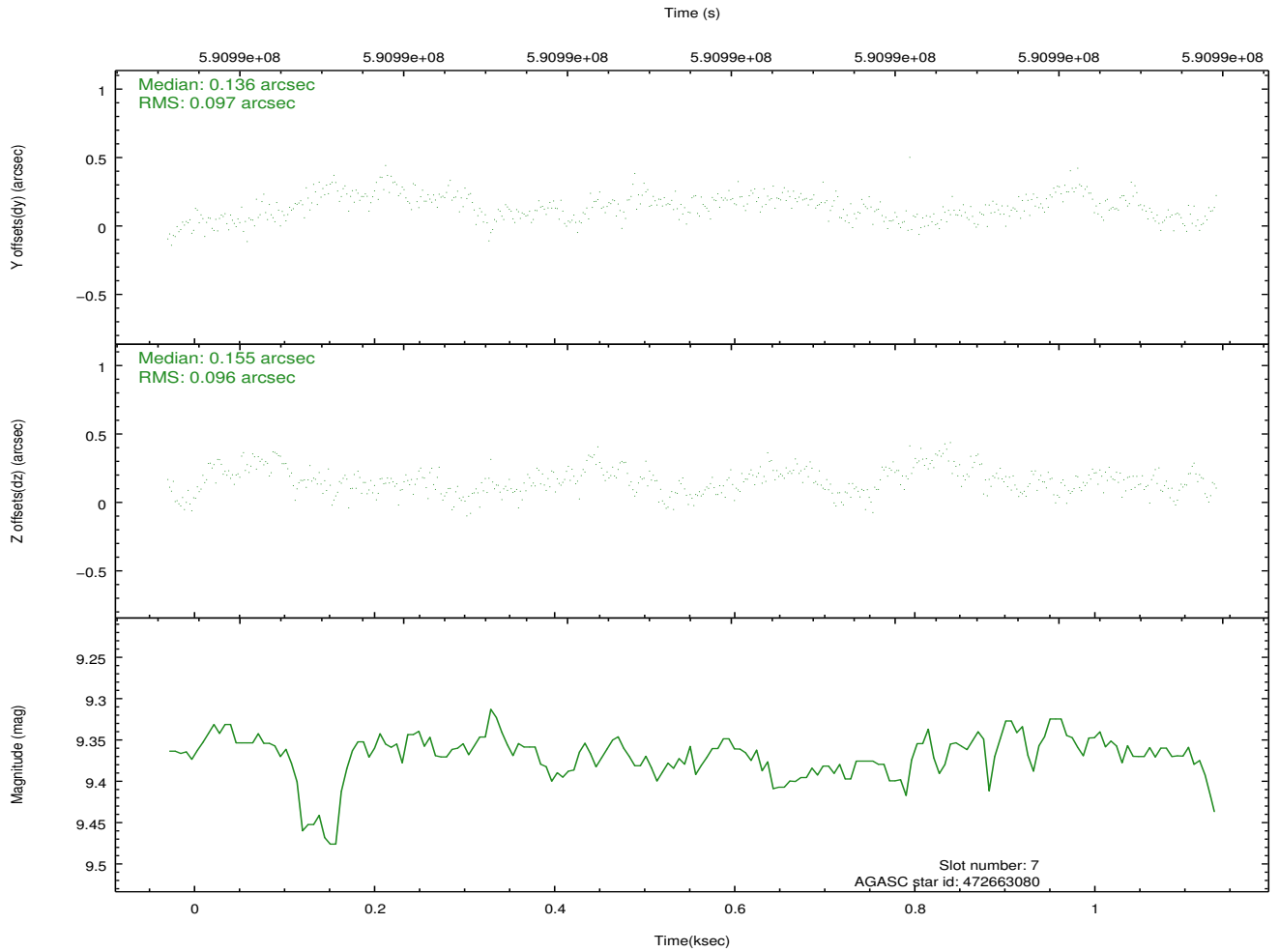
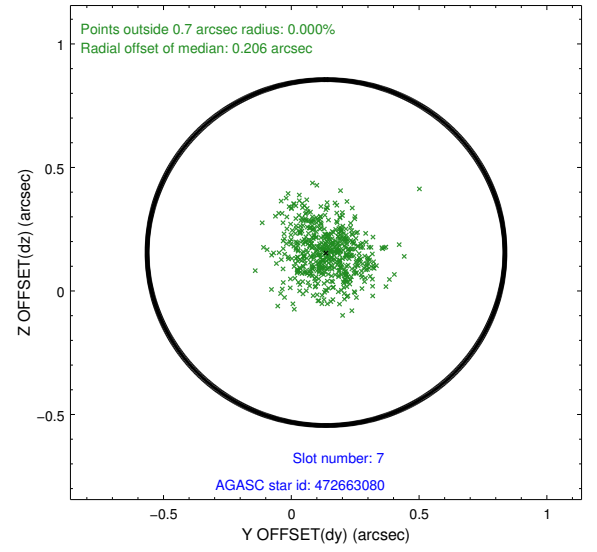
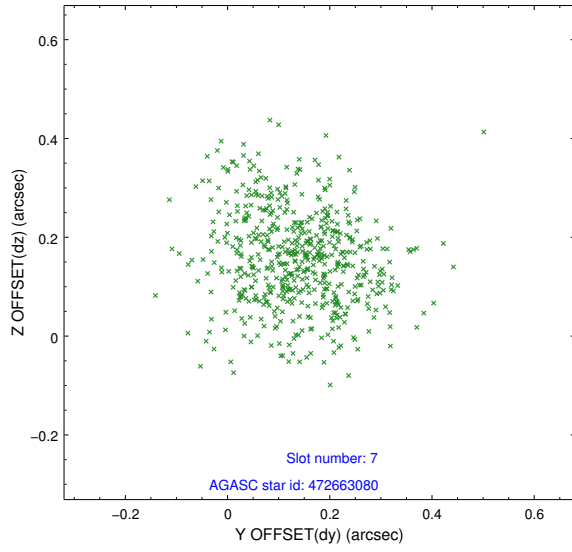
2.4.3 Slot 5



2.4.4 Slot 6

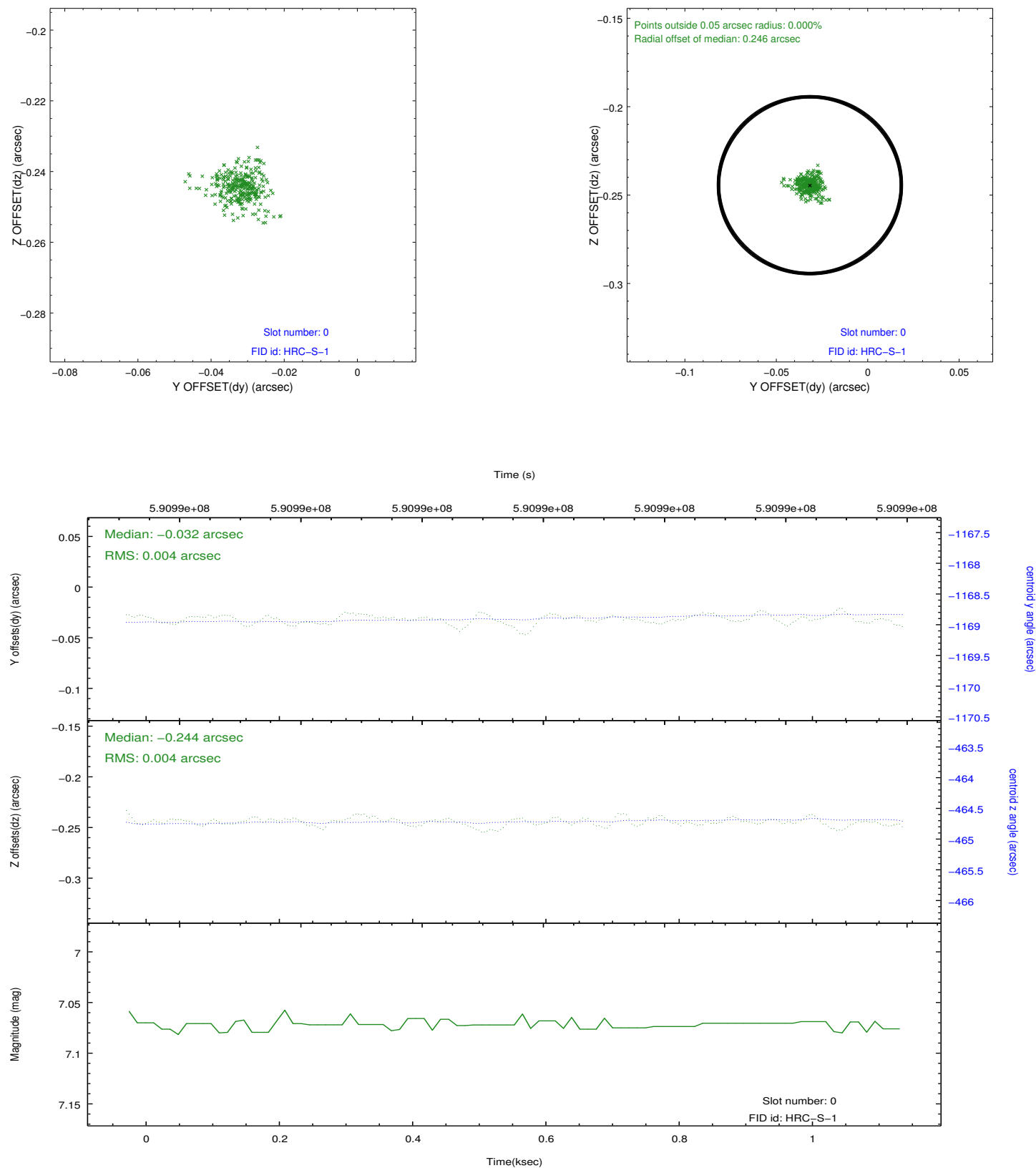


2.4.5 Slot 7

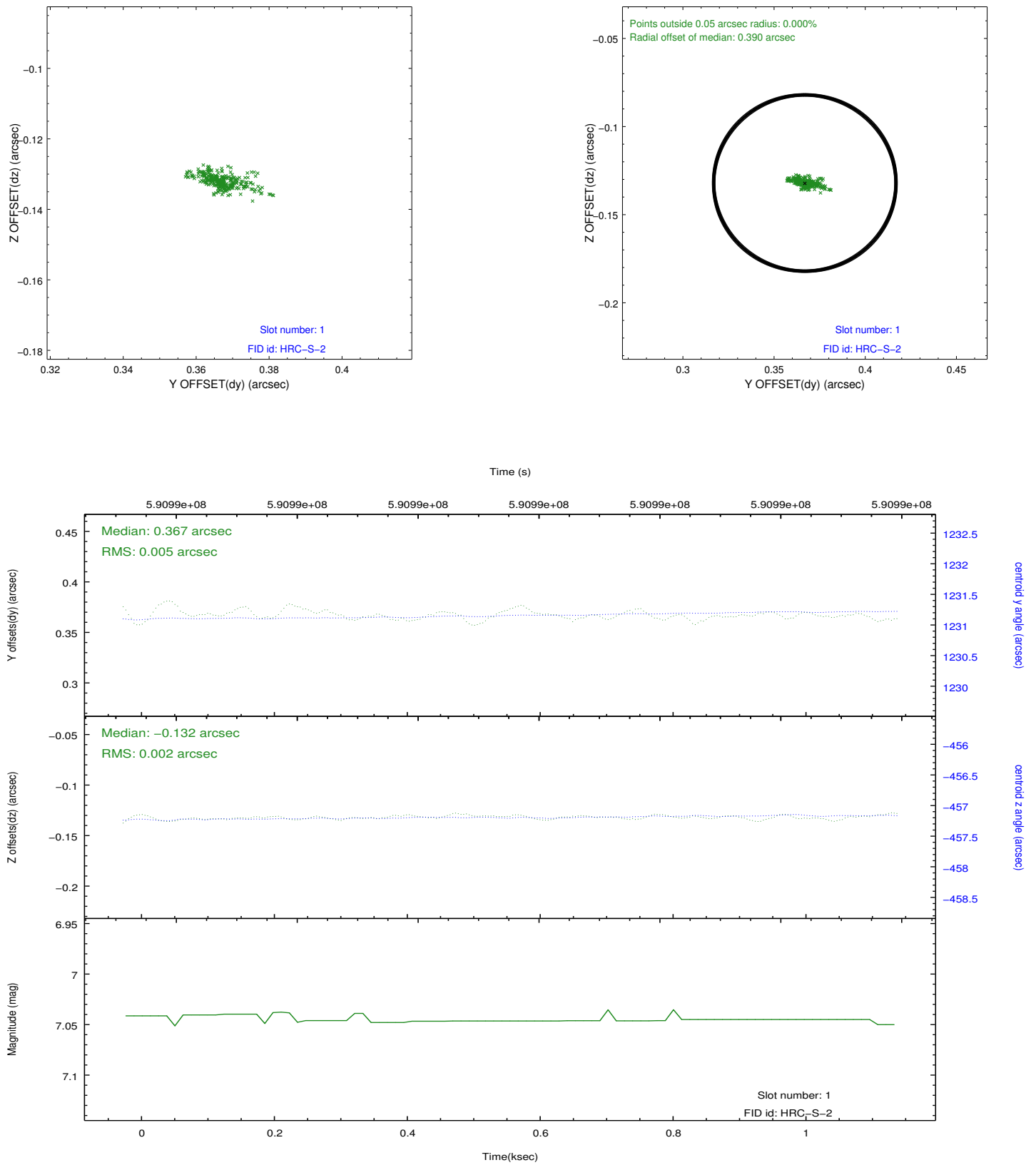


2.5 FID Slots

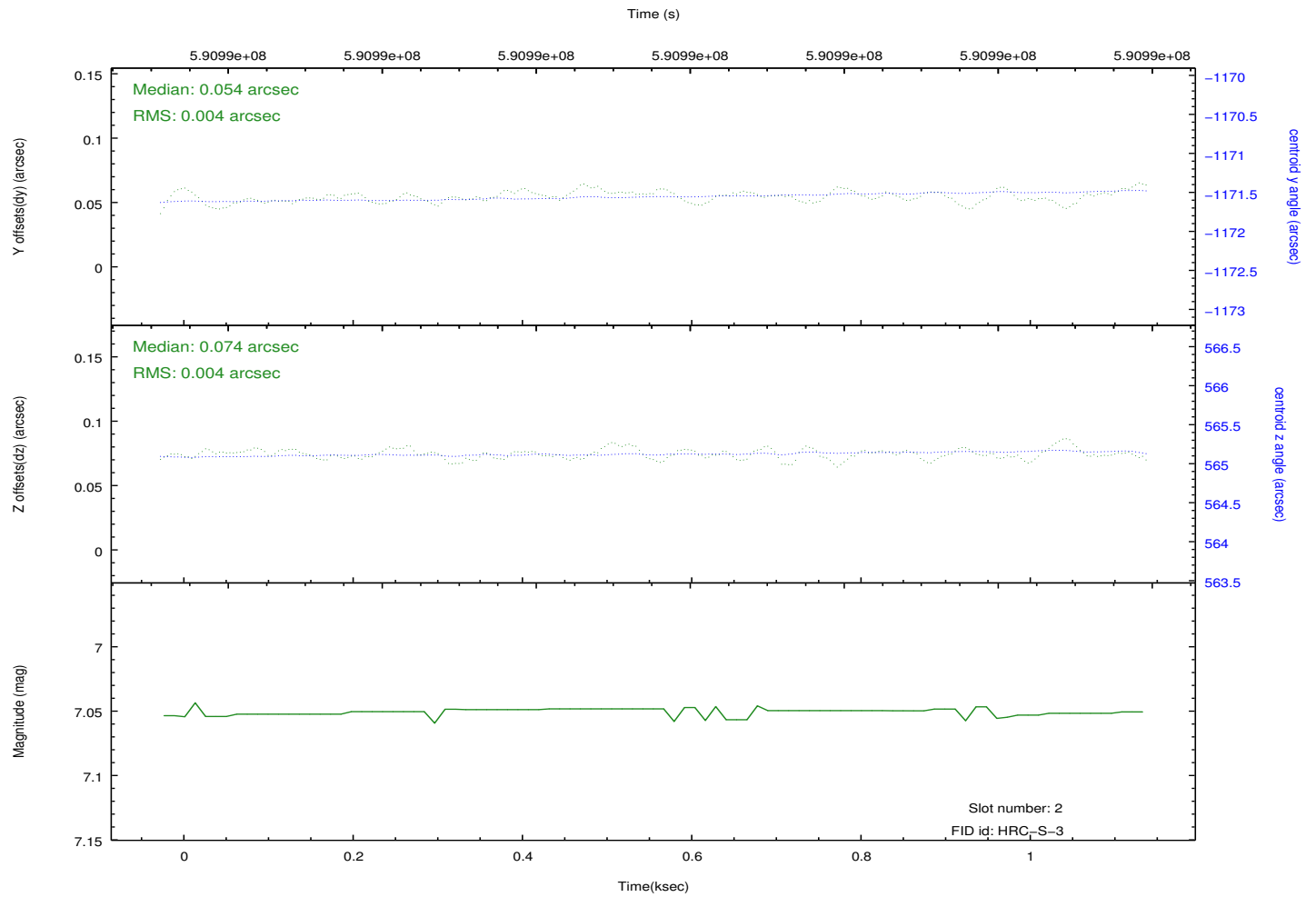
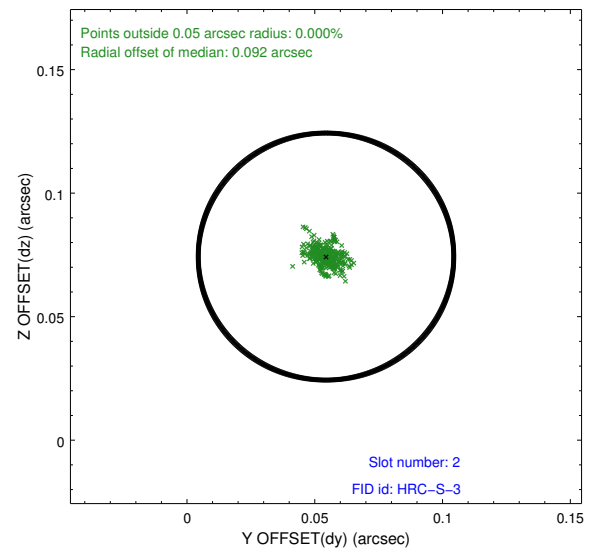
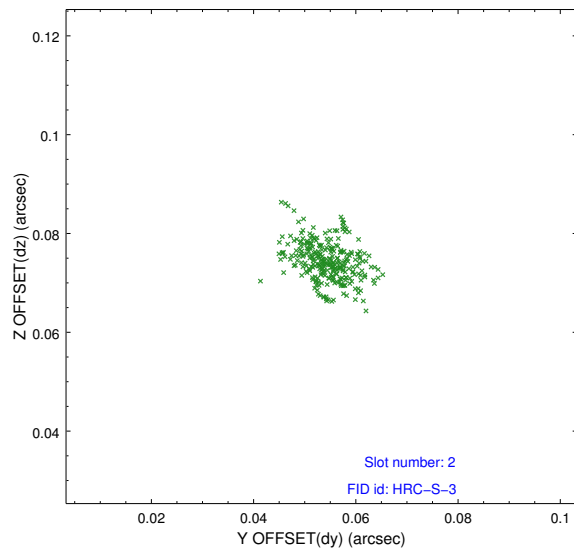
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1018750633001

A.2 Comments