

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18384 - L2 Version 1
Chandra X-Ray Center

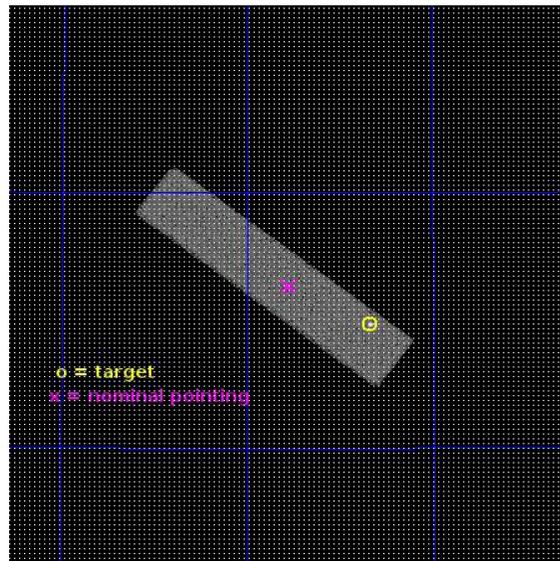
L2 Processing Date : Sep 23 2016

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1 Front

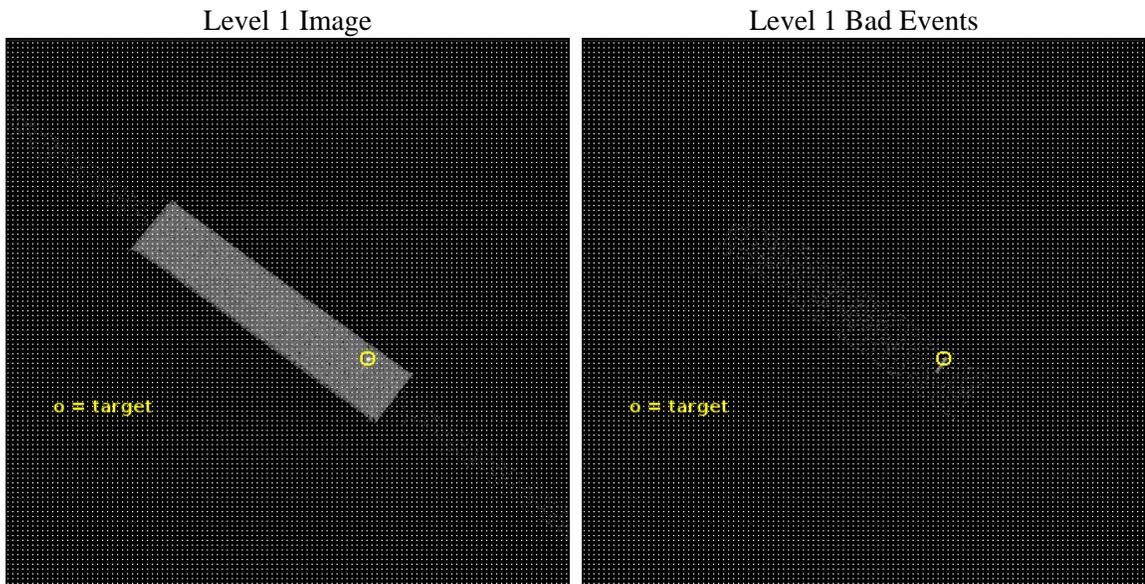
seq_num	291279	Sequence number
obs_id	18384	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.3874240635	Nominal RA [deg]
dec_nom	45.816822087633	Nominal Dec [deg]
roll_nom	216.92069136352	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313182116	[s]
livetime	1175.4906656961	Ontime multiplied by DTCOR
l2events	66678	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	1184.1313182116	[s]
caldbver	4.7.2	 	l1events	98974	Number of level 1 events
date	2016-09-23T18:39:15	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

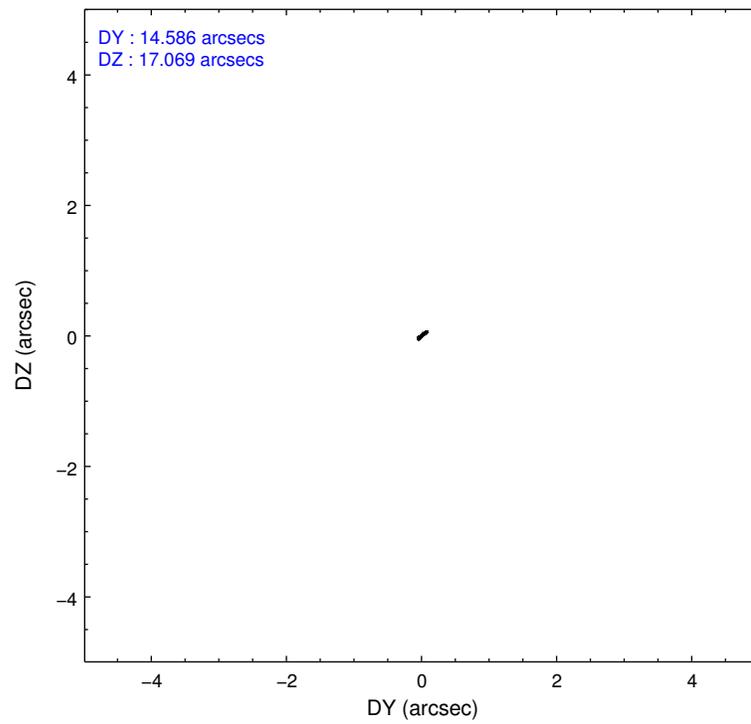
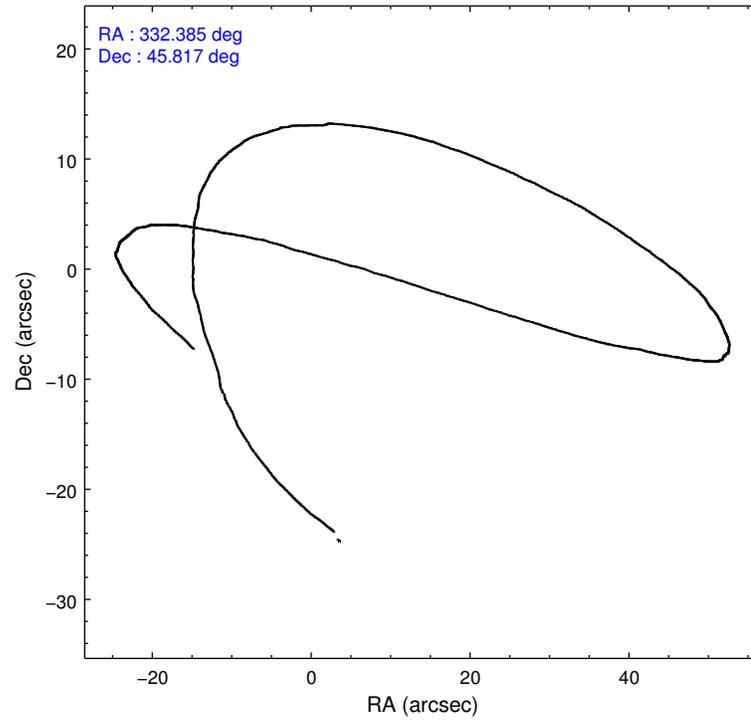
Level 1 Events

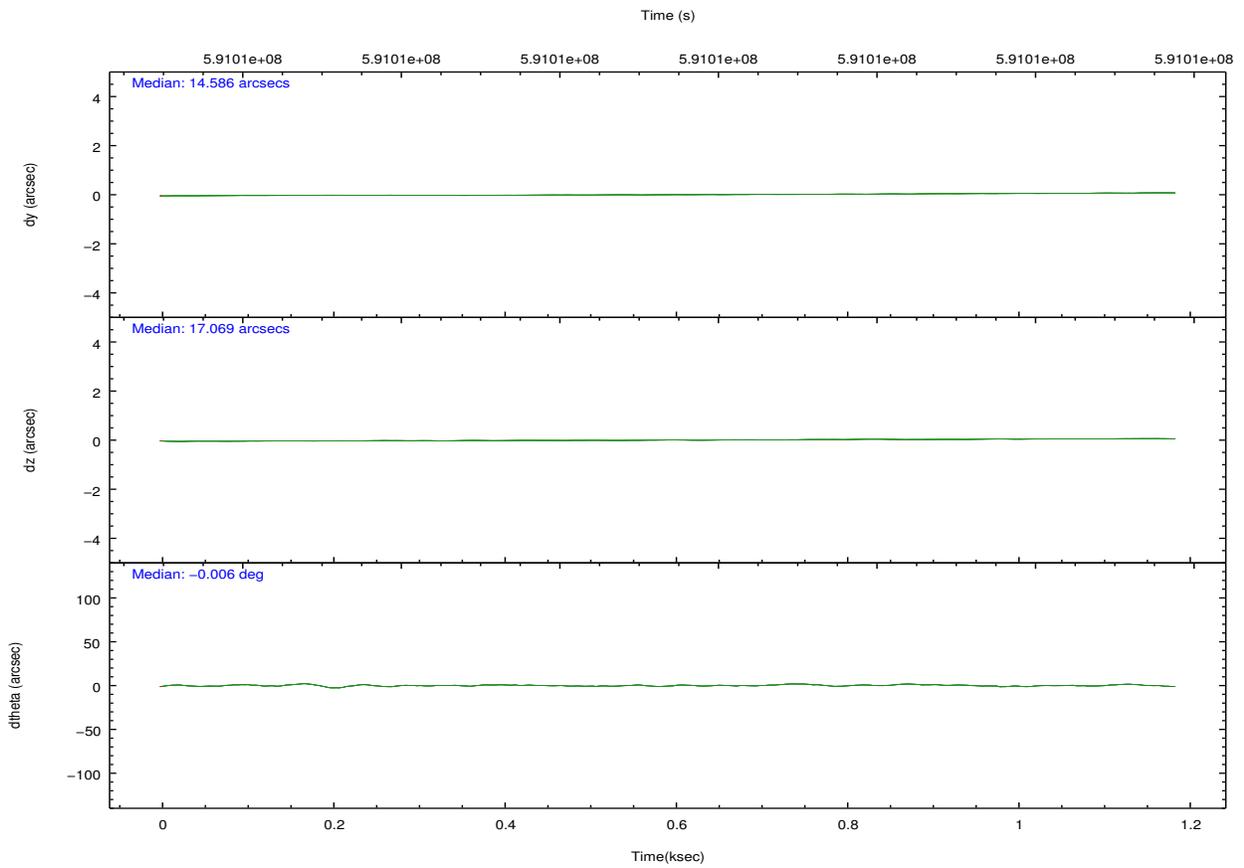
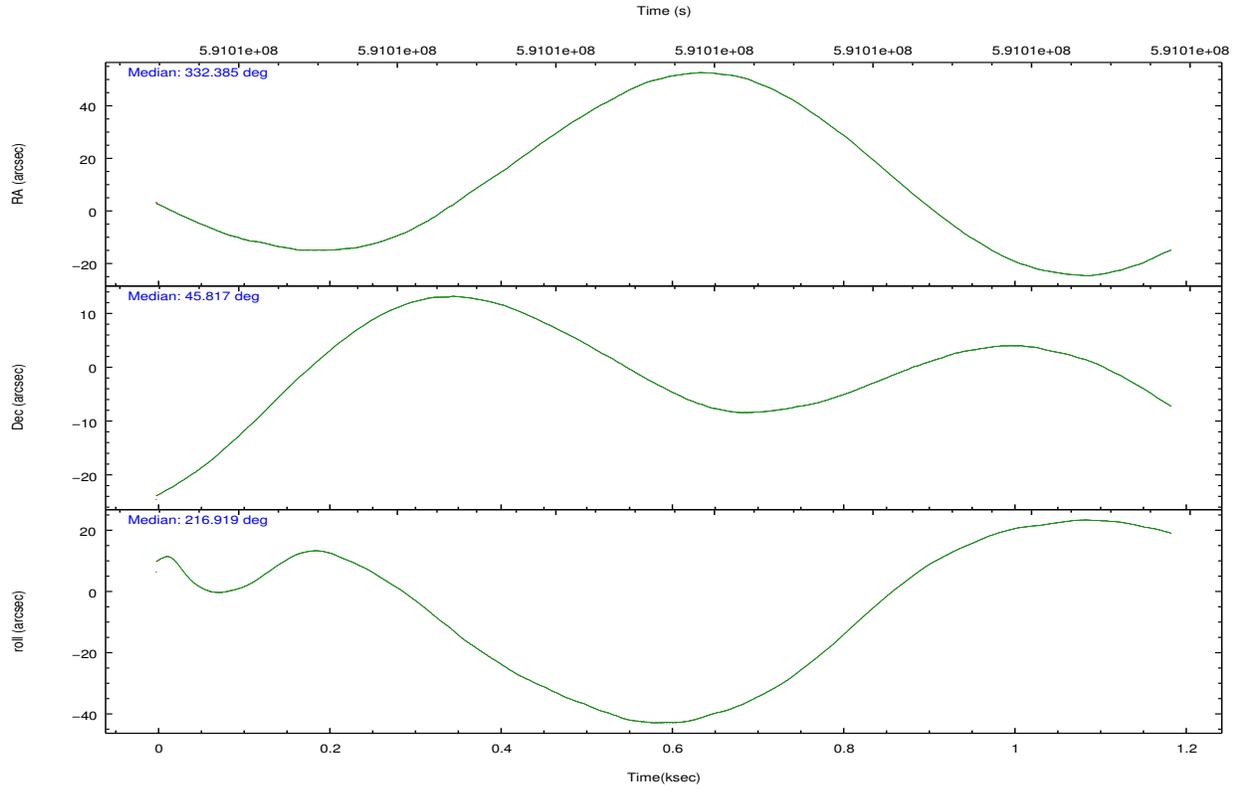
	segment 1	segment 2	segment 3
level 1 events	830	97341	803
rejected events	830	20029	803
rejected %	100%	20%	100%

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	332.403107	332.3874240635046			
[deg] Pointing Dec	45.843445	45.81682208763259			
[deg] Pointing Roll	216.842012	216.9206913635231			
[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)	591012342.184000	591011966.3417799			
Observation start date	2016-09-23T10:04:34	2016-09-23T09:59:26			
[s] Observation end time (MET)	591013342.184000	591013476.16687			
Observation end date	2016-09-23T10:21:14	2016-09-23T10:24:36			

2.3 Aspect





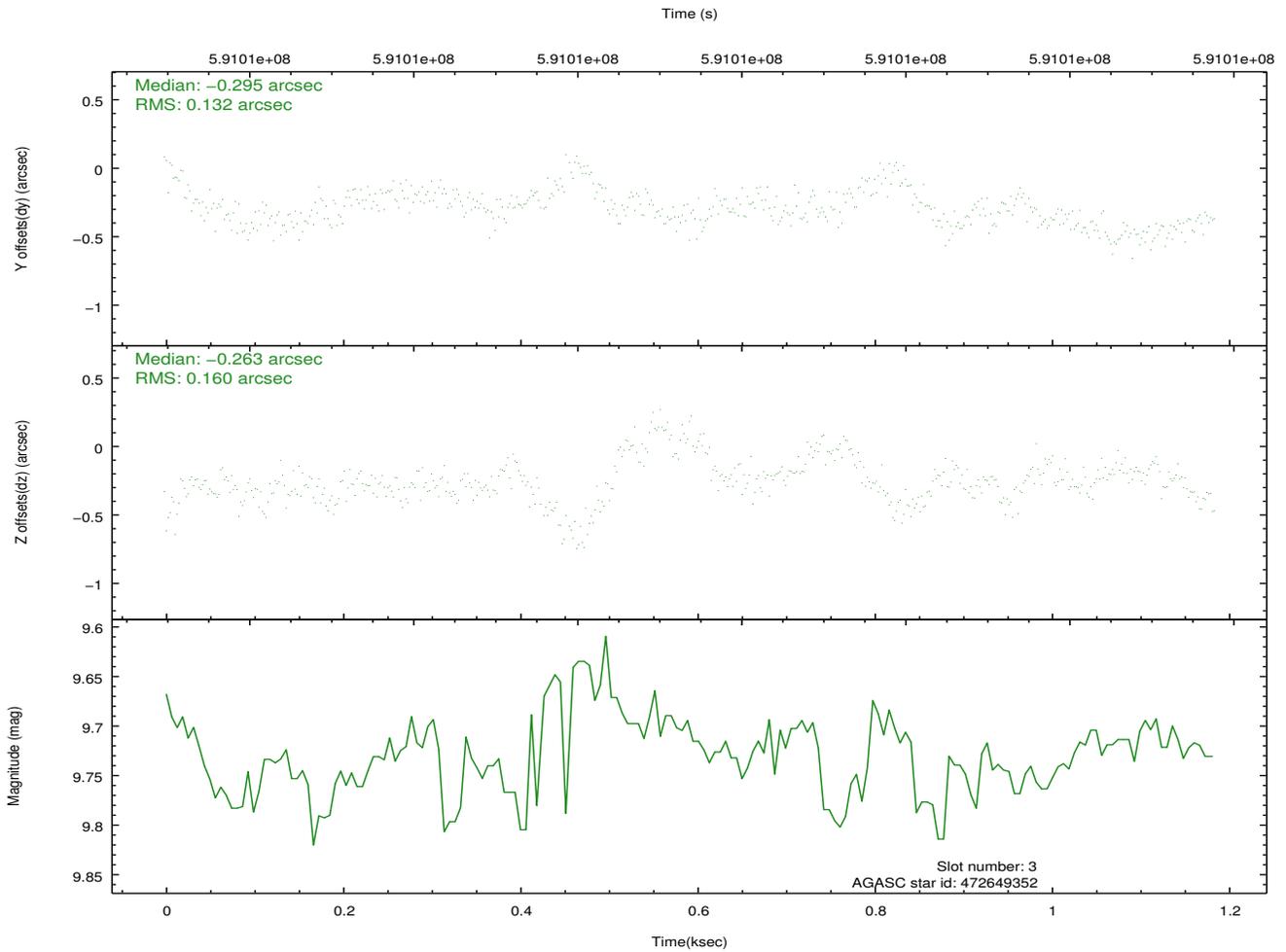
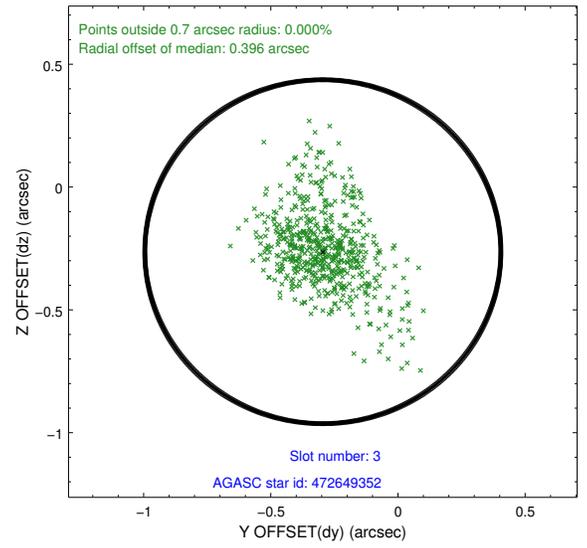
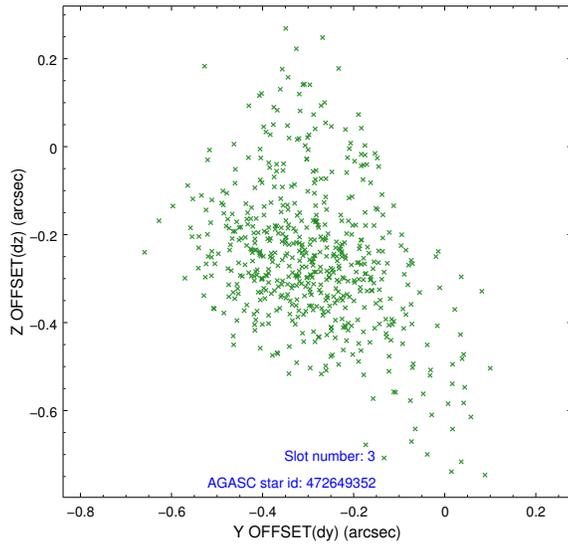
Slot Statistics

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	290	-0.161	-0.185	0.004	0.008	0.000000	0.000000	-1169.18	-466.02
1	FID		HRC-S-2	7.06	290	0.239	-0.157	0.007	0.013	0.000000	0.000000	1226.85	-460.11
2	FID		HRC-S-4	7.03	290	0.326	0.038	0.006	0.012	0.000000	0.000000	1233.72	564.82
3	GUIDE	used	472649352	9.73	577	-0.295	-0.263	0.212	0.399	332.034169	45.325407	1862.59	934.23
4	GUIDE	used	472654568	9.38	579	-0.208	0.052	0.183	0.280	332.194449	45.063576	2109.29	1933.51
5	GUIDE	used	472655152	9.42	579	0.125	-0.225	0.213	0.343	332.504239	45.862991	-242.74	102.39
6	GUIDE	used	472663080	9.37	579	0.260	0.264	0.167	0.259	332.652741	46.473840	-1858.10	-1442.04
7	GUIDE	used	472665256	8.98	576	0.134	0.191	0.196	0.454	332.808125	46.195041	-1572.54	-408.75

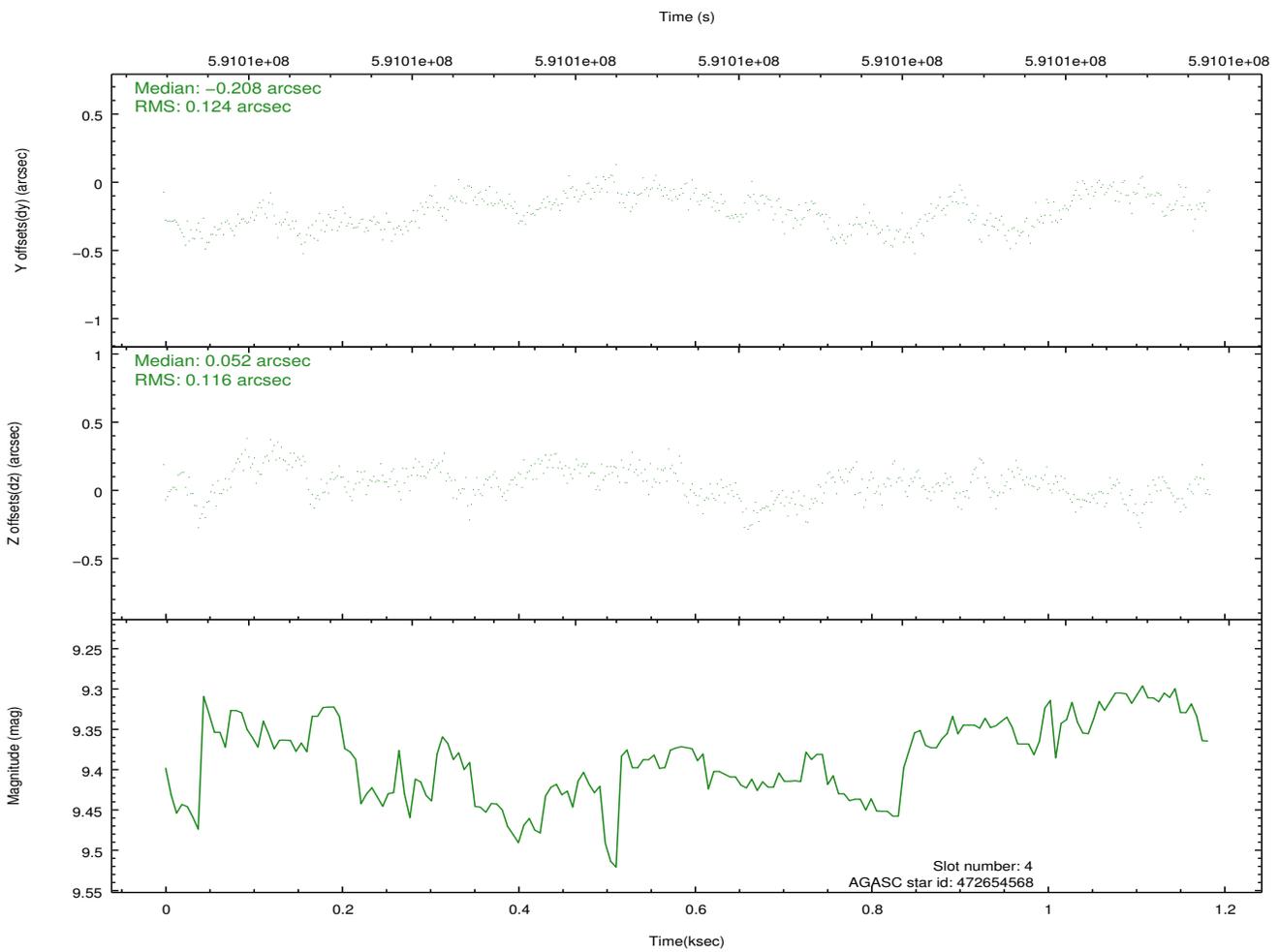
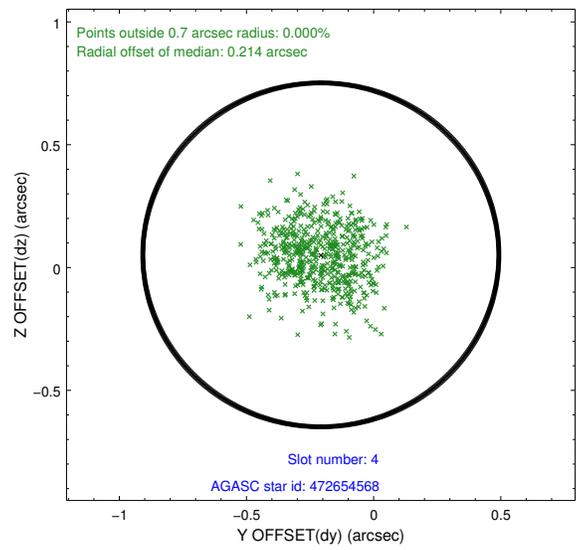
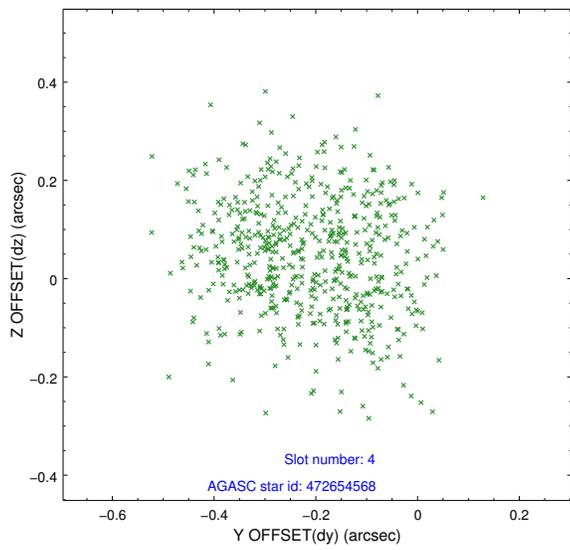
∞

2.4 Star Slots

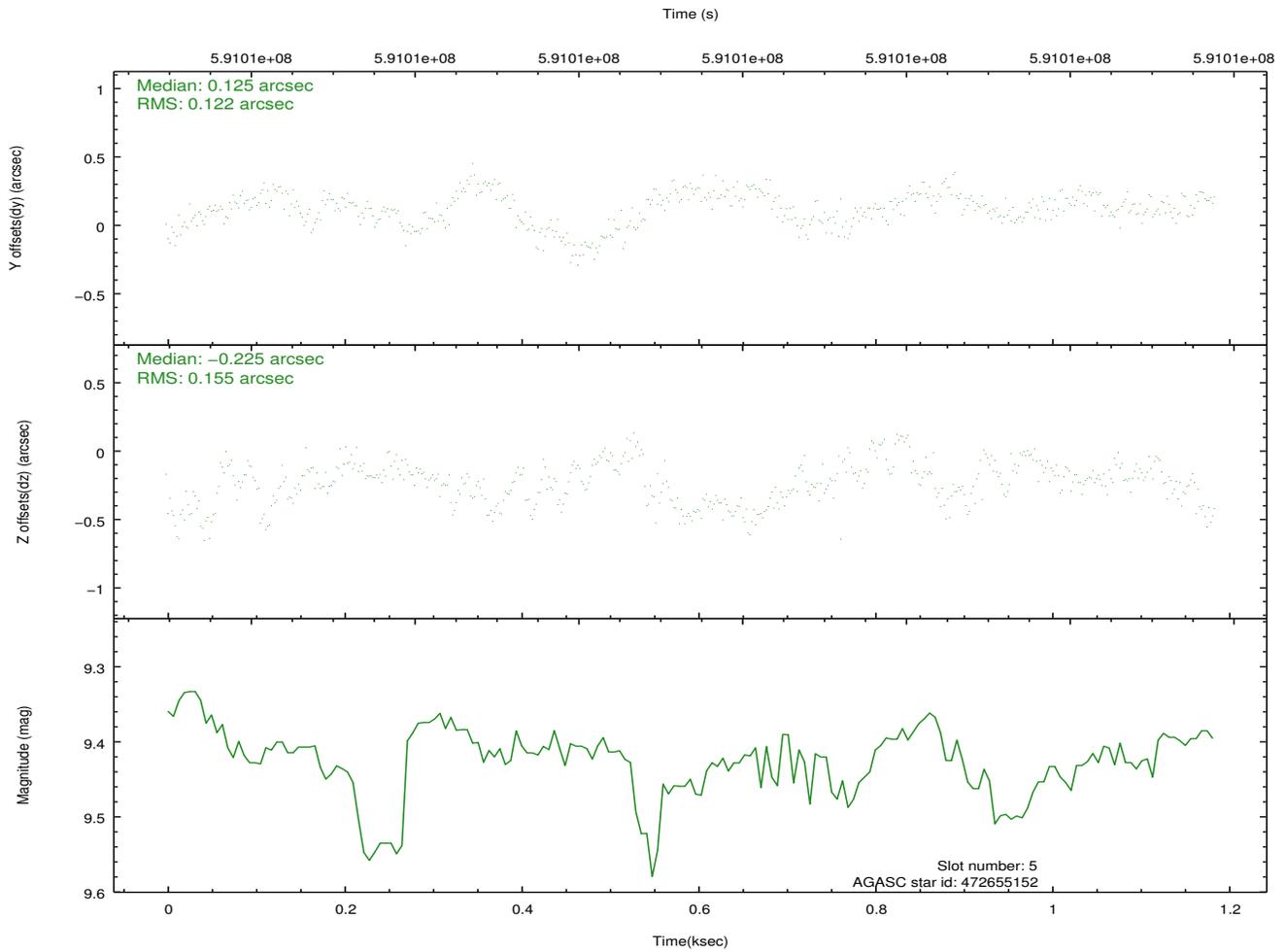
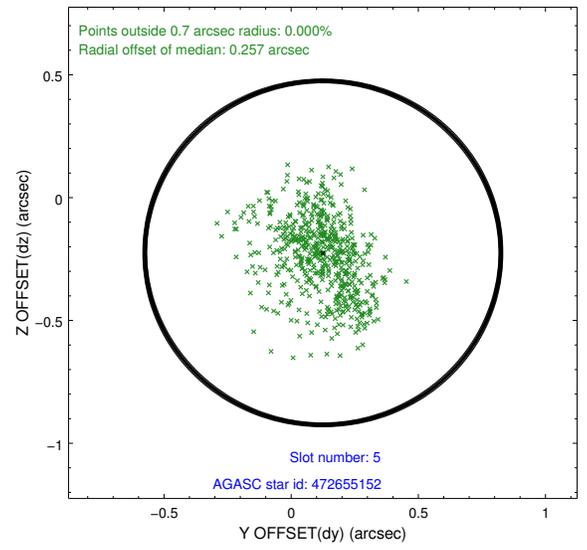
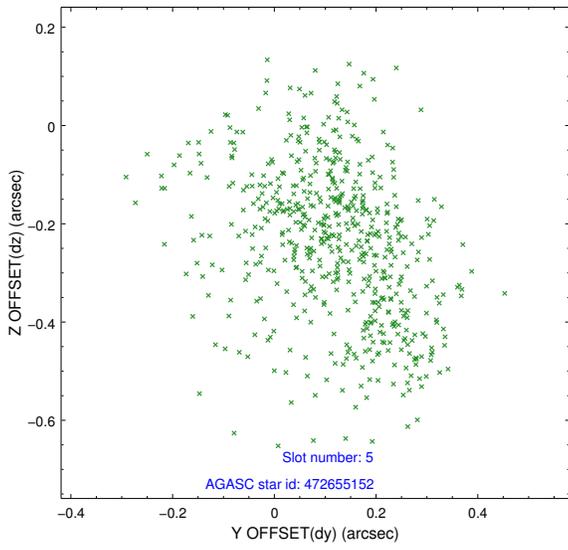
2.4.1 Slot 3



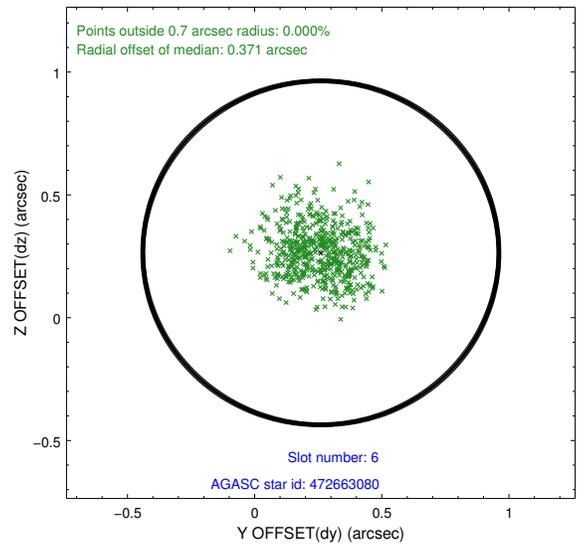
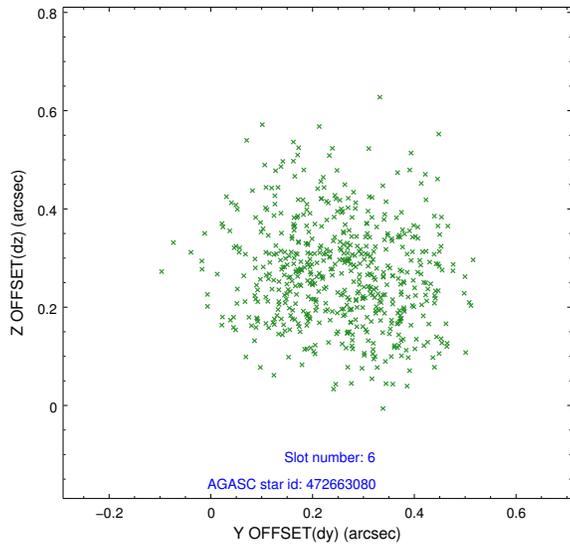
2.4.2 Slot 4



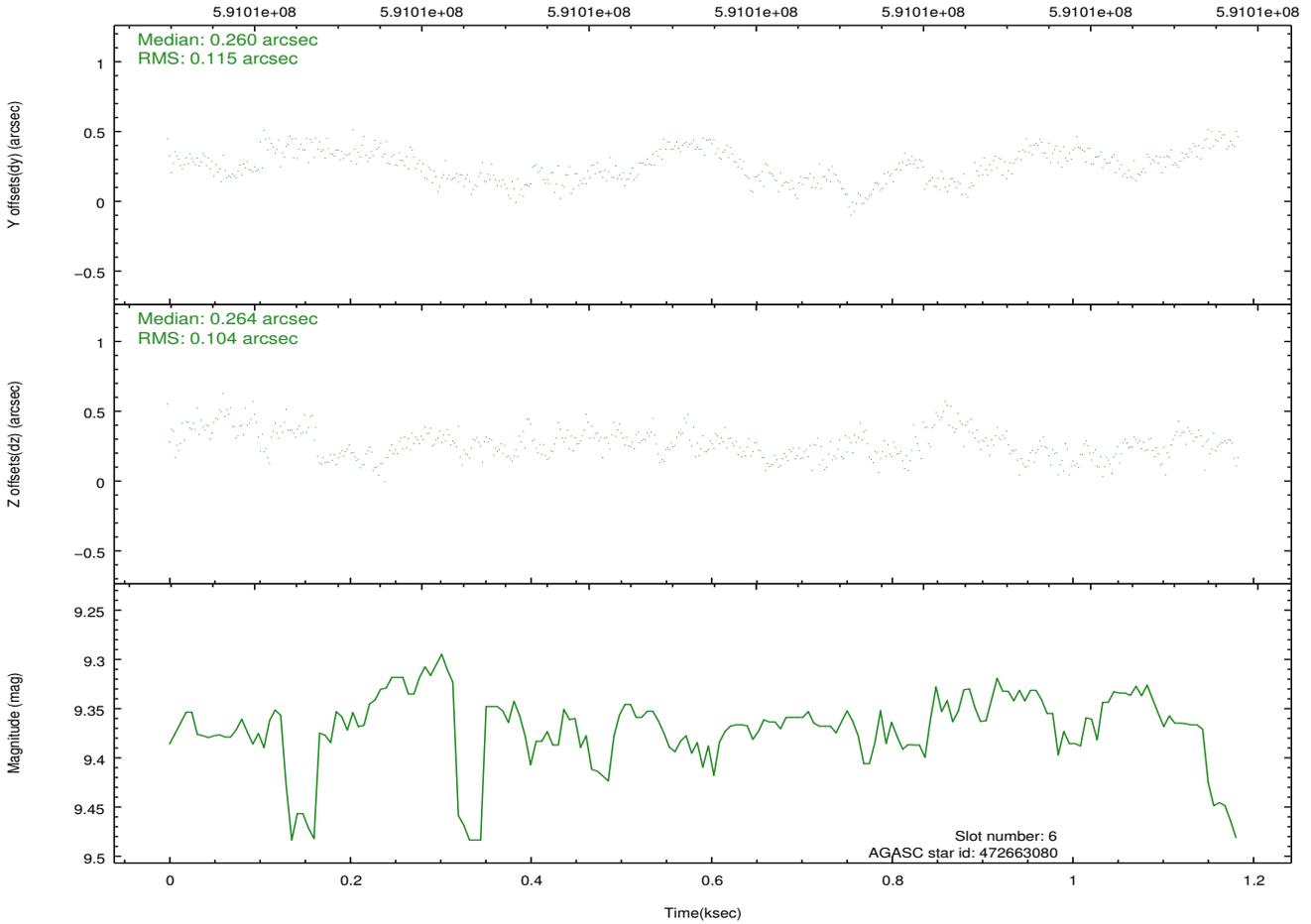
2.4.3 Slot 5



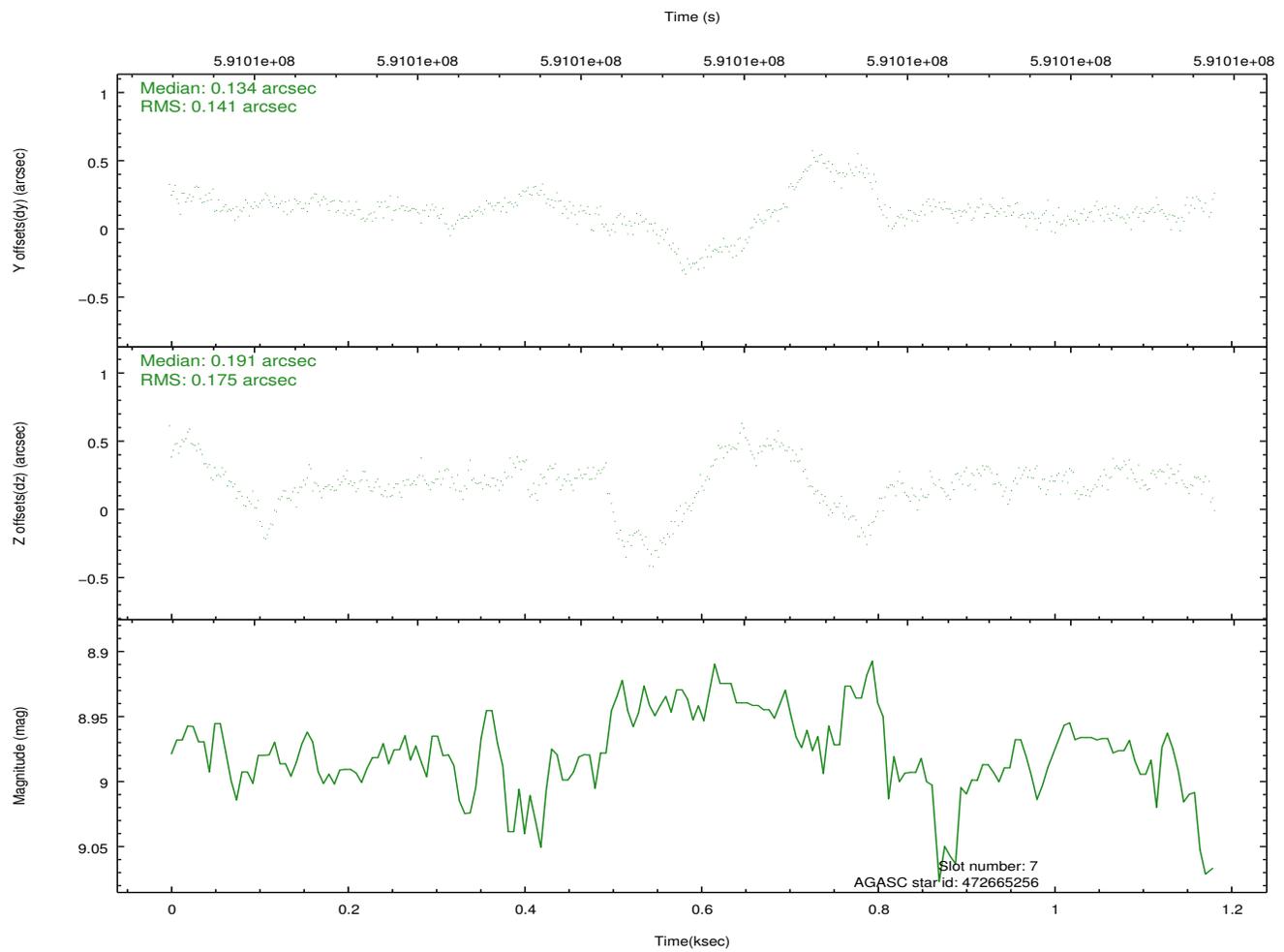
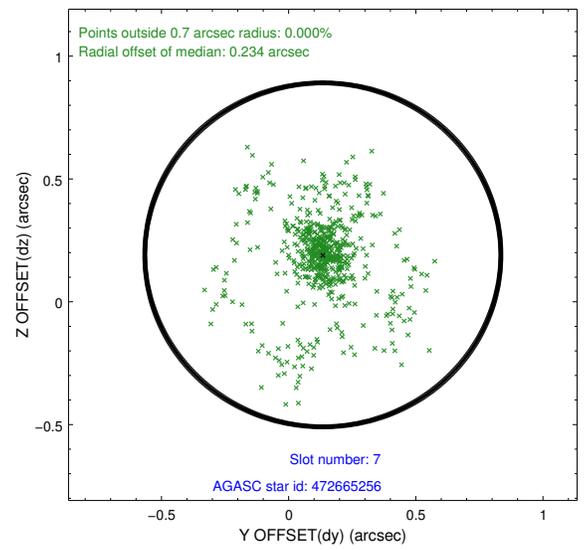
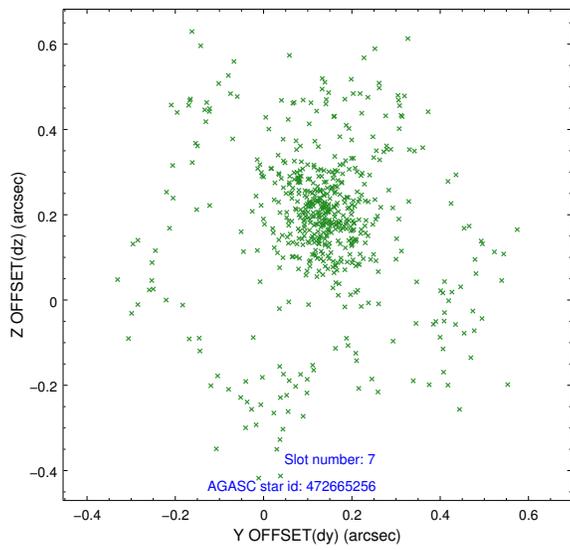
2.4.4 Slot 6



Time (s)

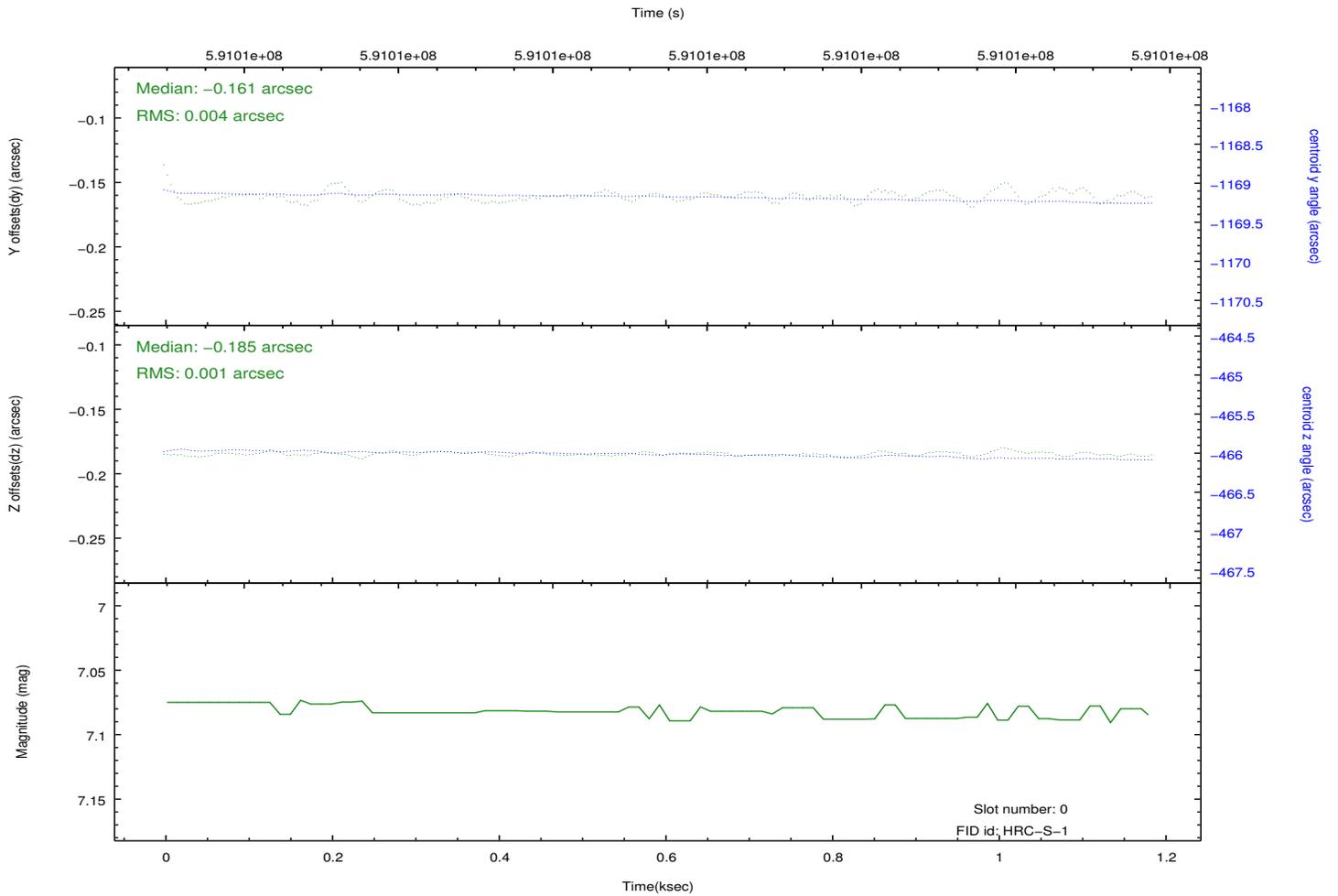
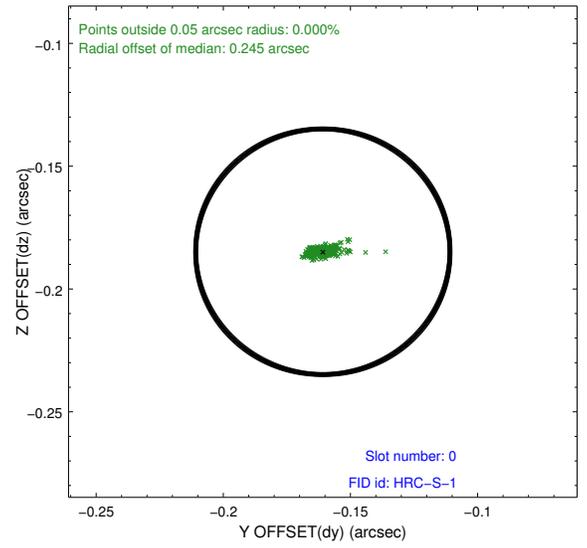
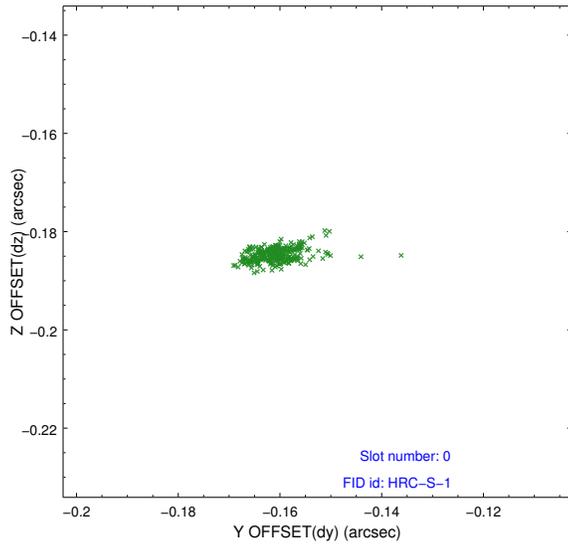


2.4.5 Slot 7

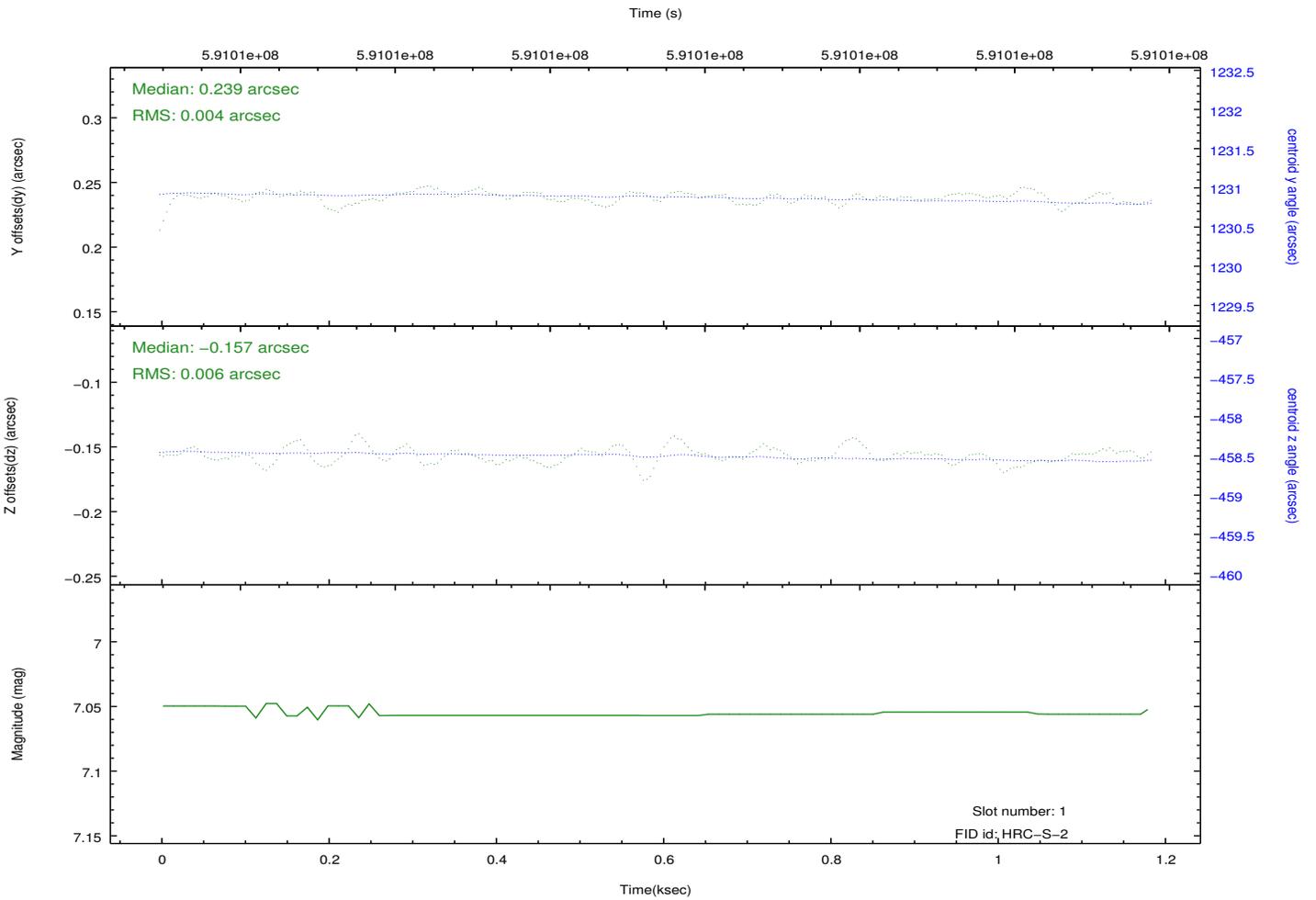
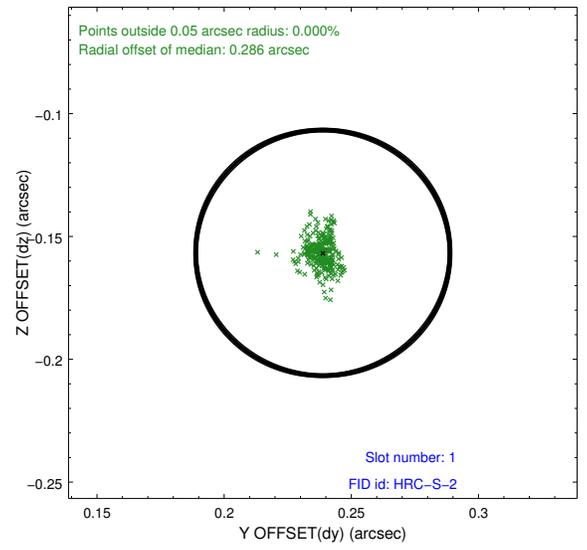
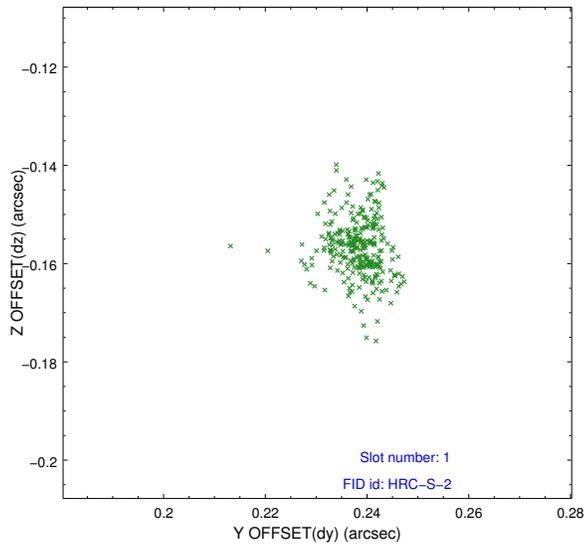


2.5 FID Slots

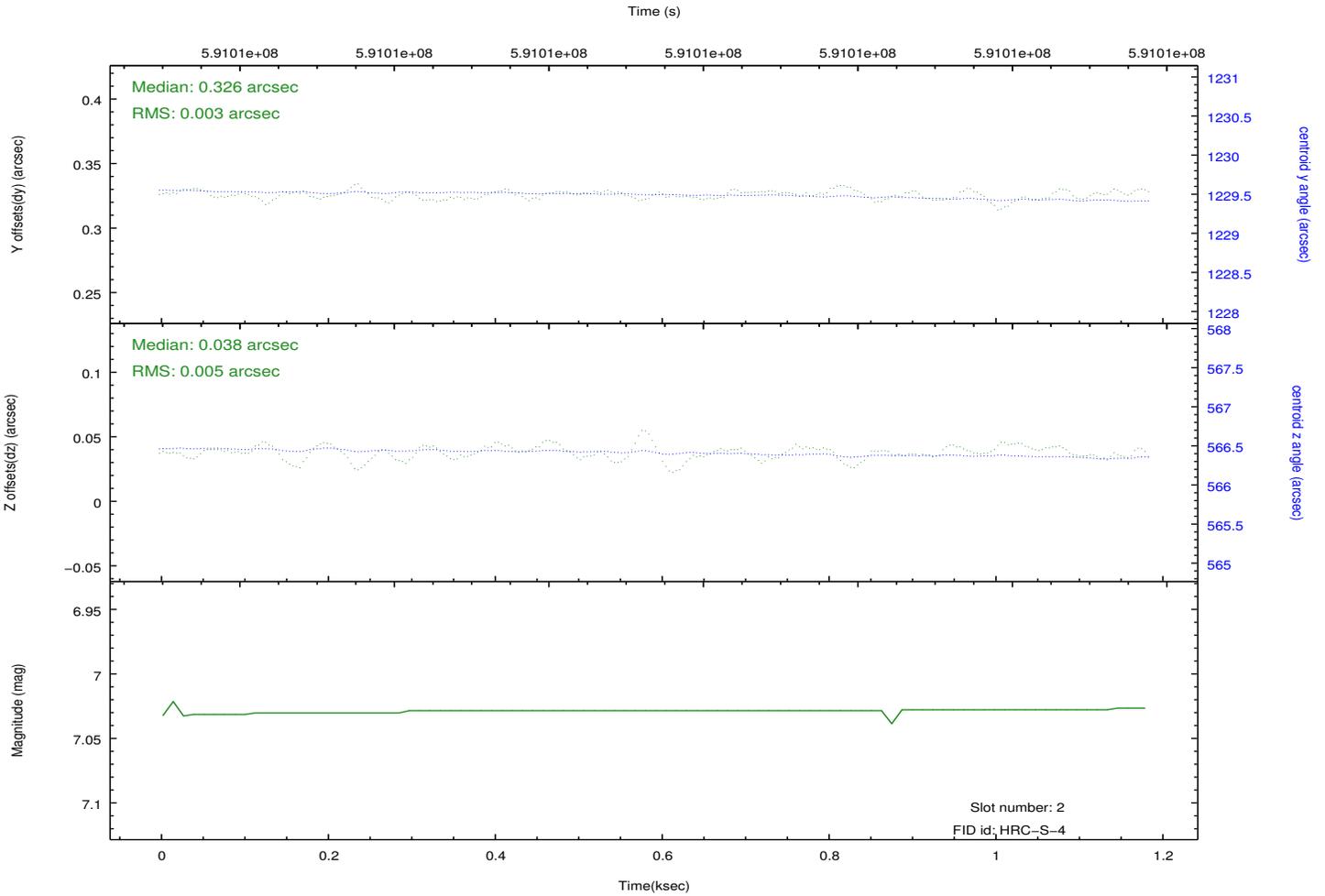
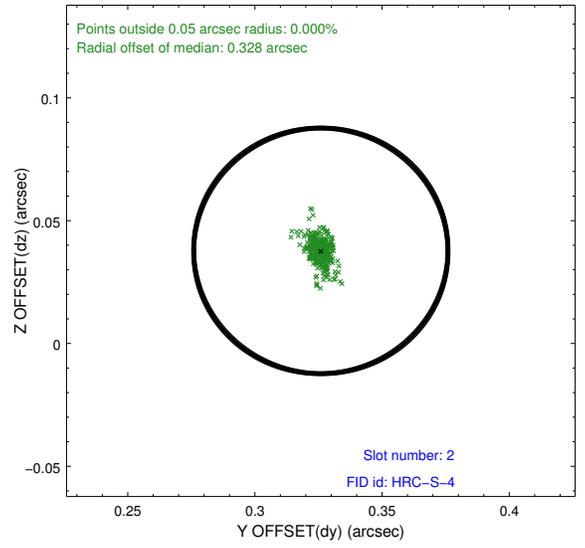
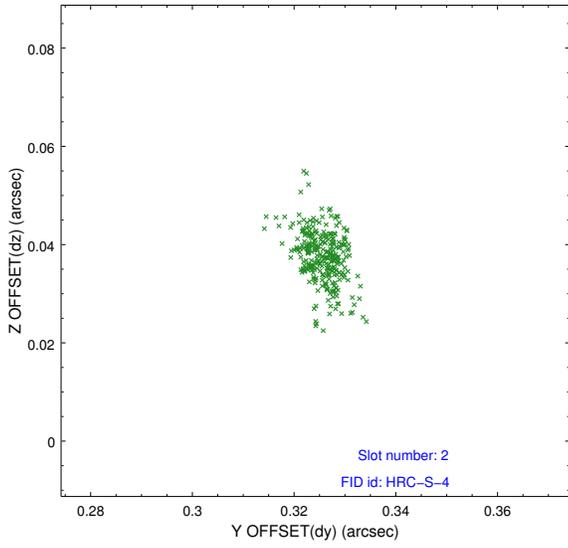
2.5.1 Slot 0



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	1.1841313182116

A.2 Comments