

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18369 - L2 Version 1
Chandra X-Ray Center

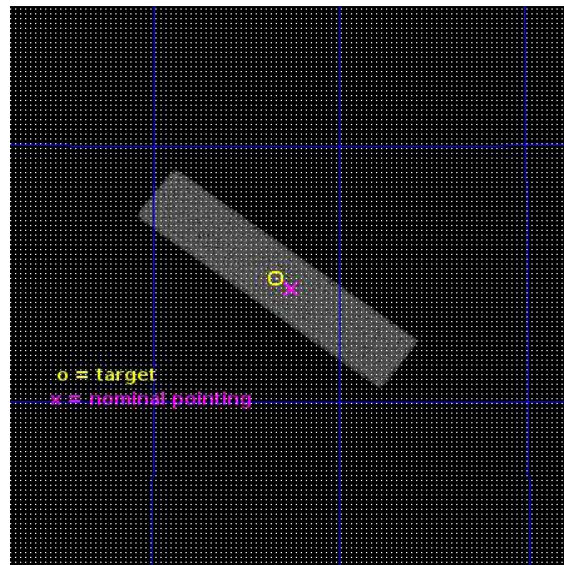
L2 Processing Date : Sep 22 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

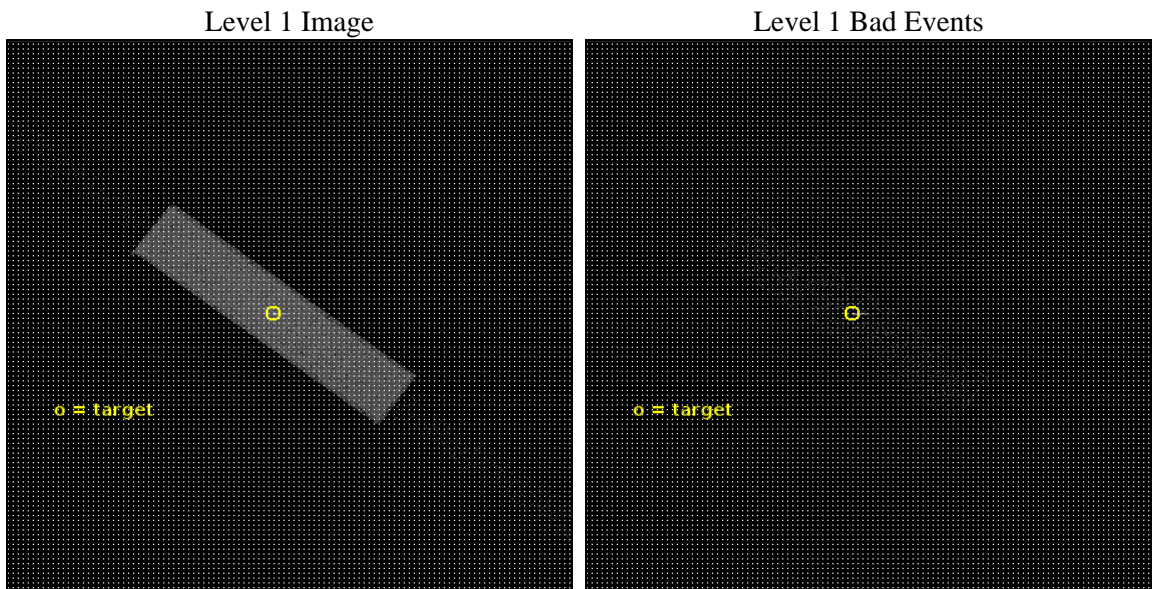
seq_num	291264	Sequence number
obs_id	18369	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12959598839	Nominal RA [deg]
dec_nom	45.722059482622	Nominal Dec [deg]
roll_nom	216.30754460223	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.9313175678	[s]
livetime	1167.0252718361	Ontime multiplied by DTCOR
l2events	69670	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	1175.9313175678	[s]
caldsver	4.7.2	 	l1events	103675	Number of level 1 events
date	2016-09-23T01:50:30	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

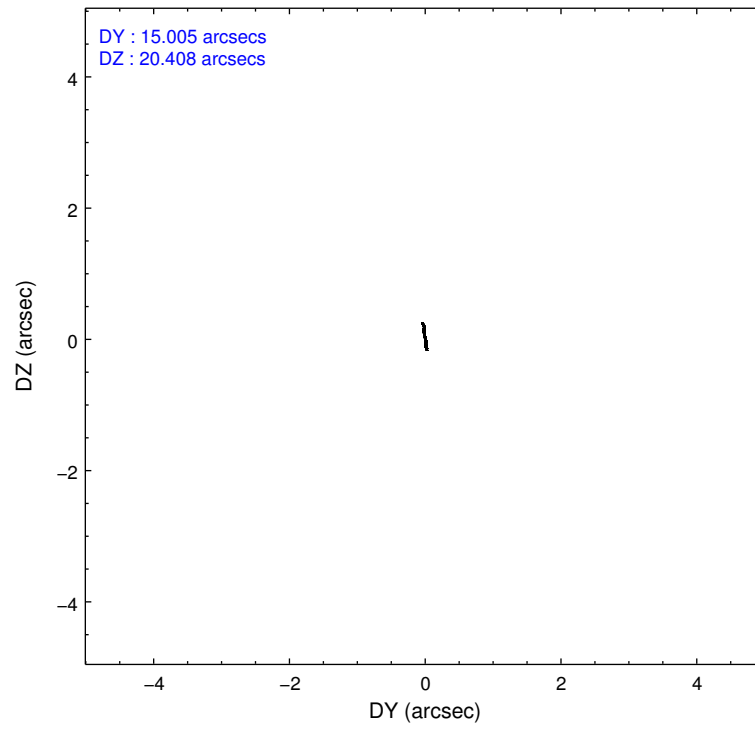
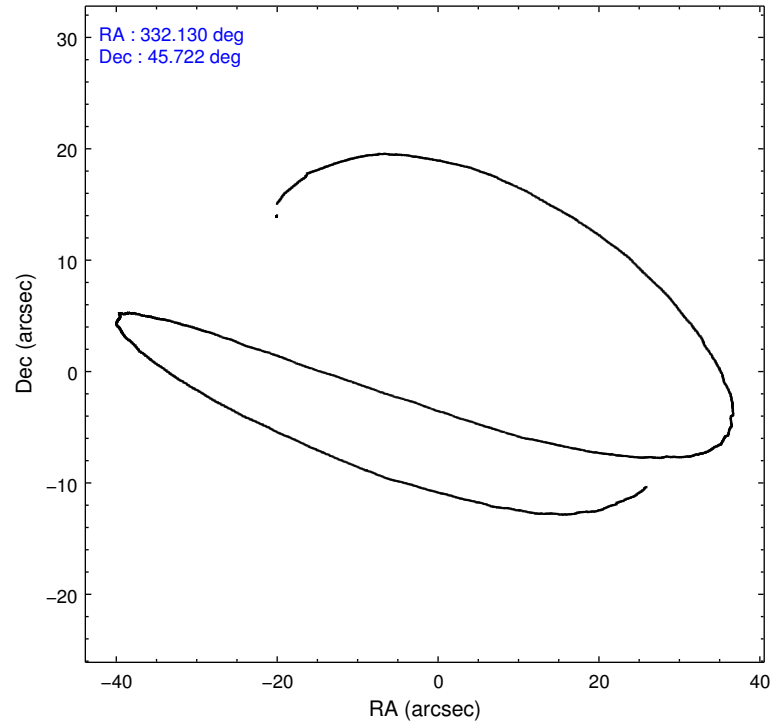
	segment 1	segment 2	segment 3
level 1 events	910	101838	927
rejected events	910	21730	927
rejected %	100%	21%	100%

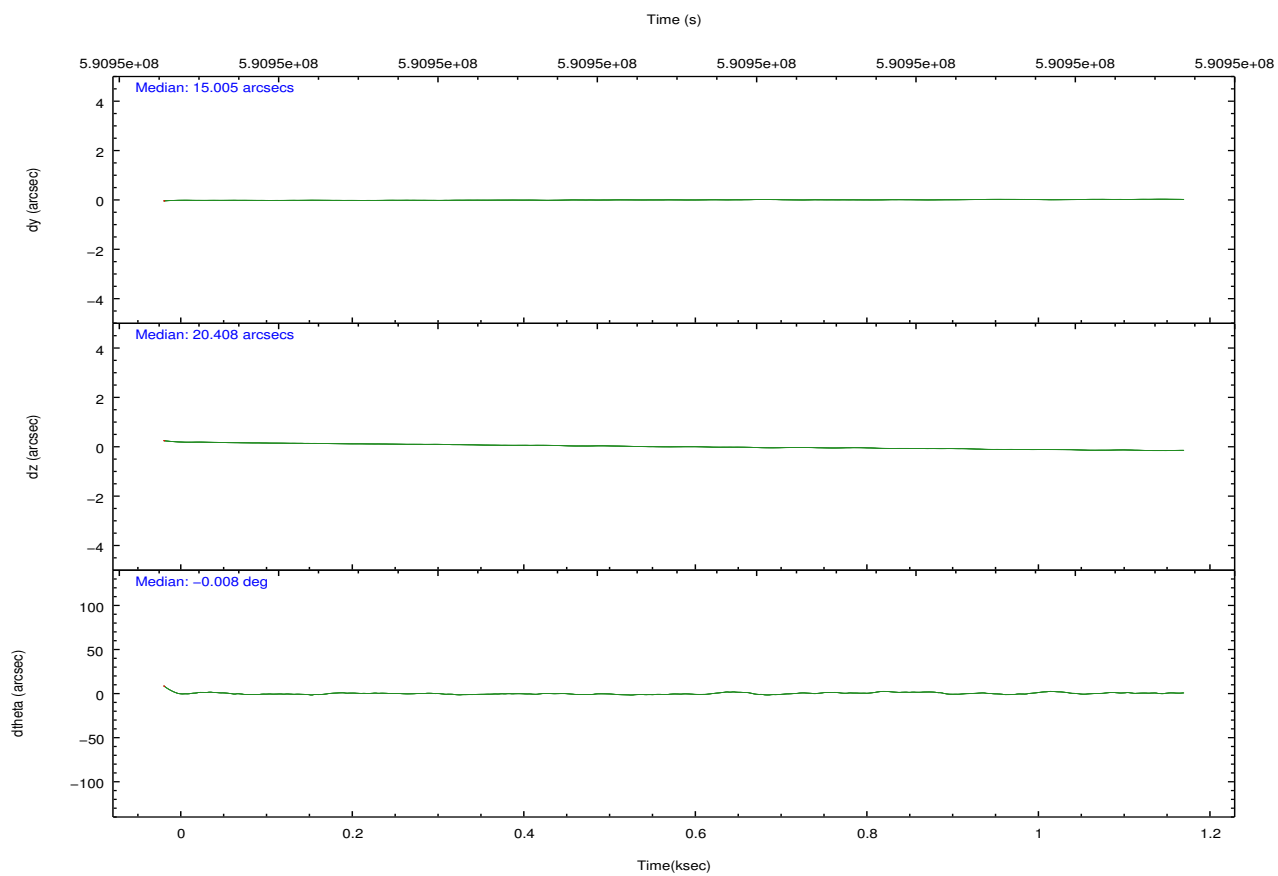
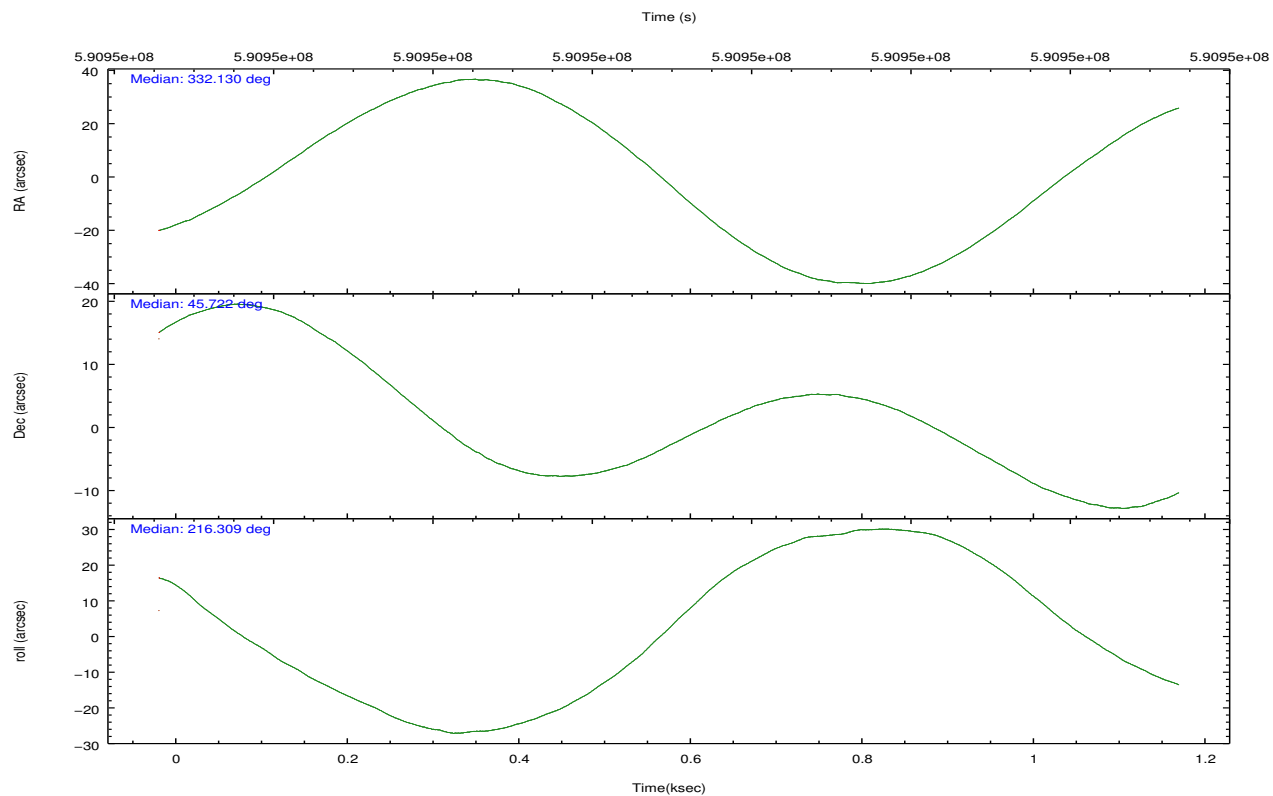
2.2 Compared Parameters

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	332.144295	332.1295959883934
[deg] Pointing Dec	45.748920	45.72205948262216
[deg] Pointing Roll	216.229655	216.3075446022299
[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)	590947690.184000	590947314.46306
Observation start date	2016-09-22T16:07:02	2016-09-22T16:01:54
[s] Observation end time (MET)	590948690.184000	590948824.28815
Observation end date	2016-09-22T16:23:42	2016-09-22T16:27:04

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

2.3 Aspect



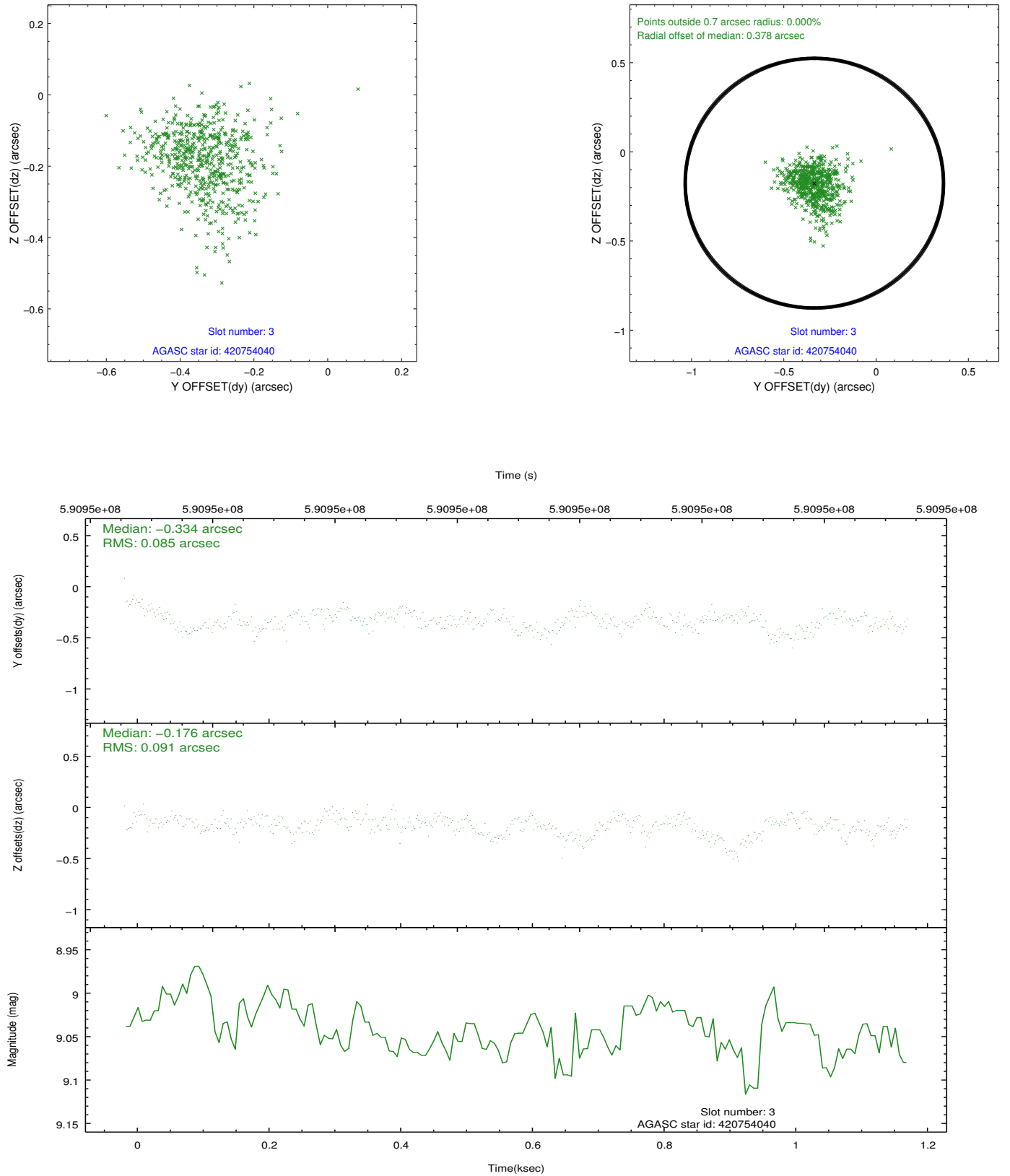


Slot Statistics

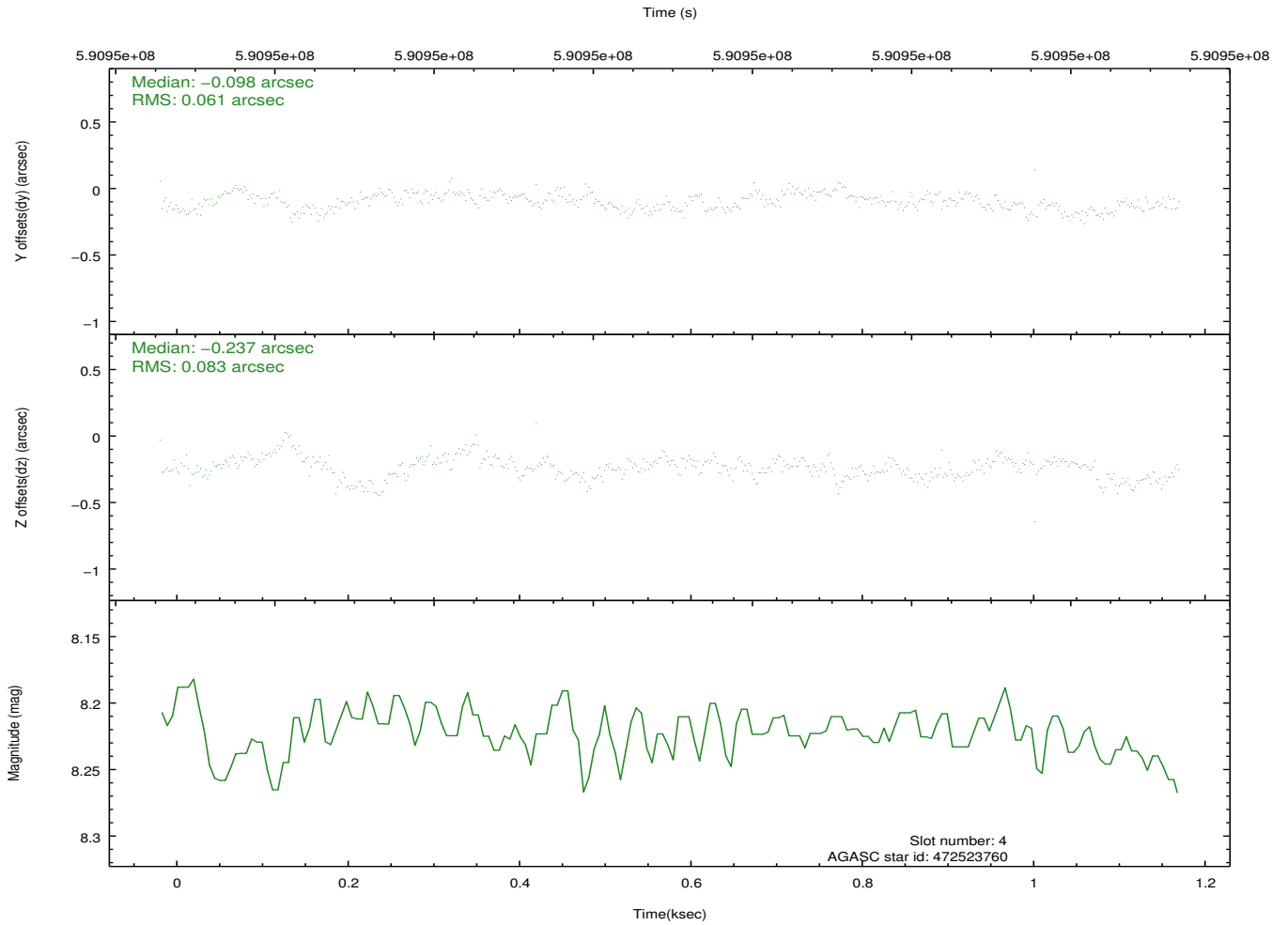
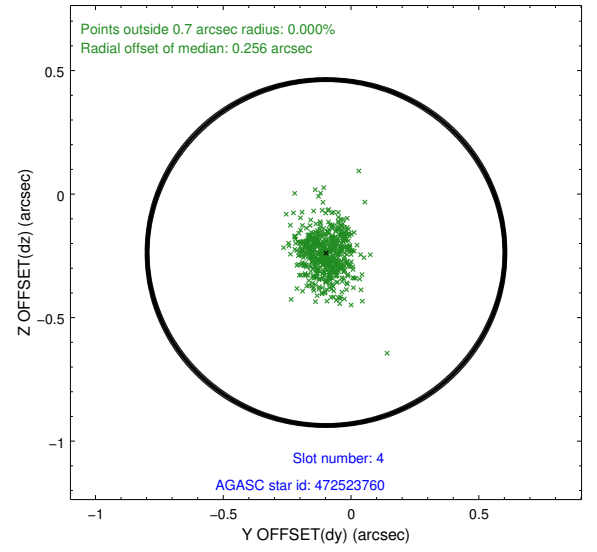
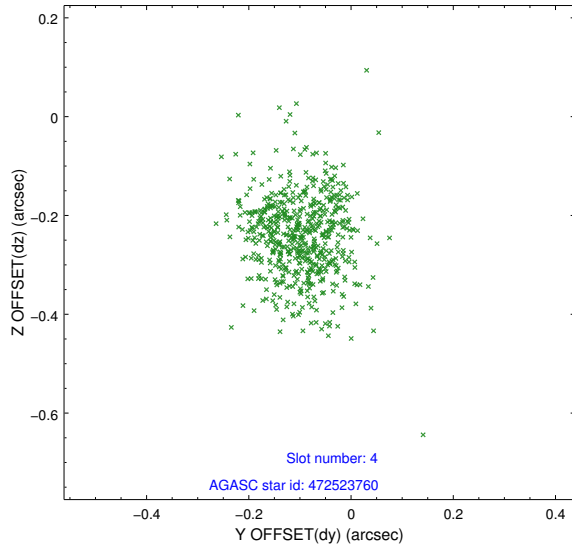
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.11	291	-0.153	-0.180	0.004	0.009	0.000000	0.000000	-1169.56	-469.55
1	FID		HRC-S-2	7.07	291	0.241	-0.215	0.012	0.021	0.000000	0.000000	1226.47	-463.63
2	FID		HRC-S-4	7.05	291	0.315	0.092	0.012	0.021	0.000000	0.000000	1233.27	561.42
3	GUIDE	used	420754040	9.04	581	-0.334	-0.176	0.130	0.219	331.917939	44.882543	2307.45	2174.83
4	GUIDE	used	472523760	8.22	581	-0.098	-0.237	0.102	0.178	331.645363	45.403260	1755.34	259.09
5	GUIDE	used	472533912	9.11	581	0.319	0.237	0.164	0.298	331.791136	46.368695	-608.11	-2318.77
6	GUIDE	used	472655152	9.39	581	-0.065	-0.065	0.228	0.372	332.504239	45.862991	-972.04	197.01
7	GUIDE	used	472665256	8.98	580	0.173	0.271	0.139	0.242	332.808125	46.195041	-2288.33	-322.26

2.4 Star Slots

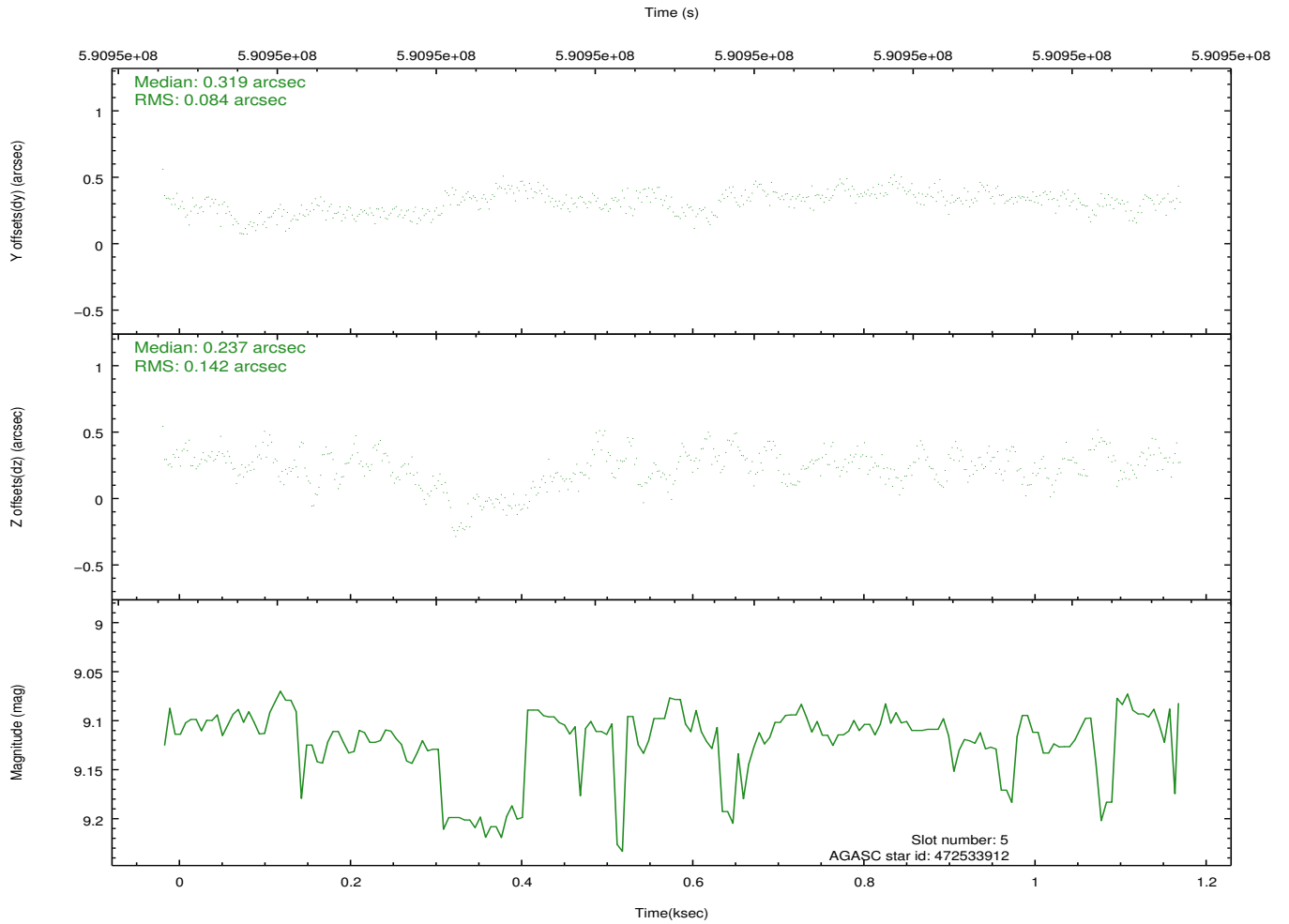
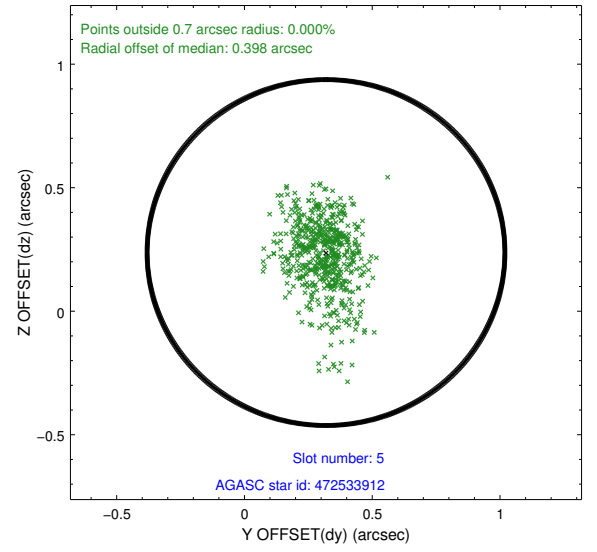
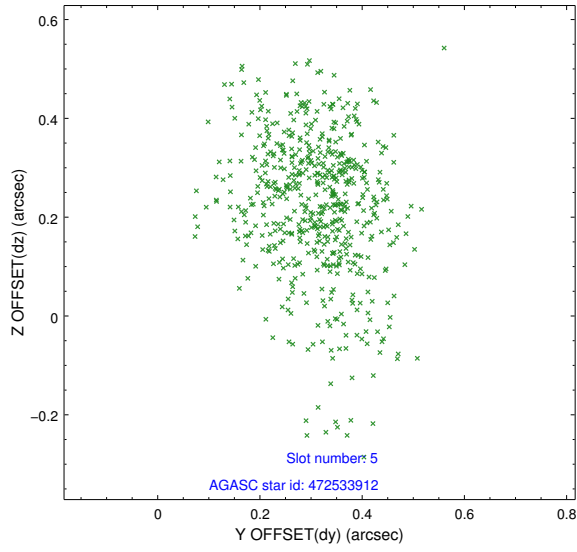
2.4.1 Slot 3



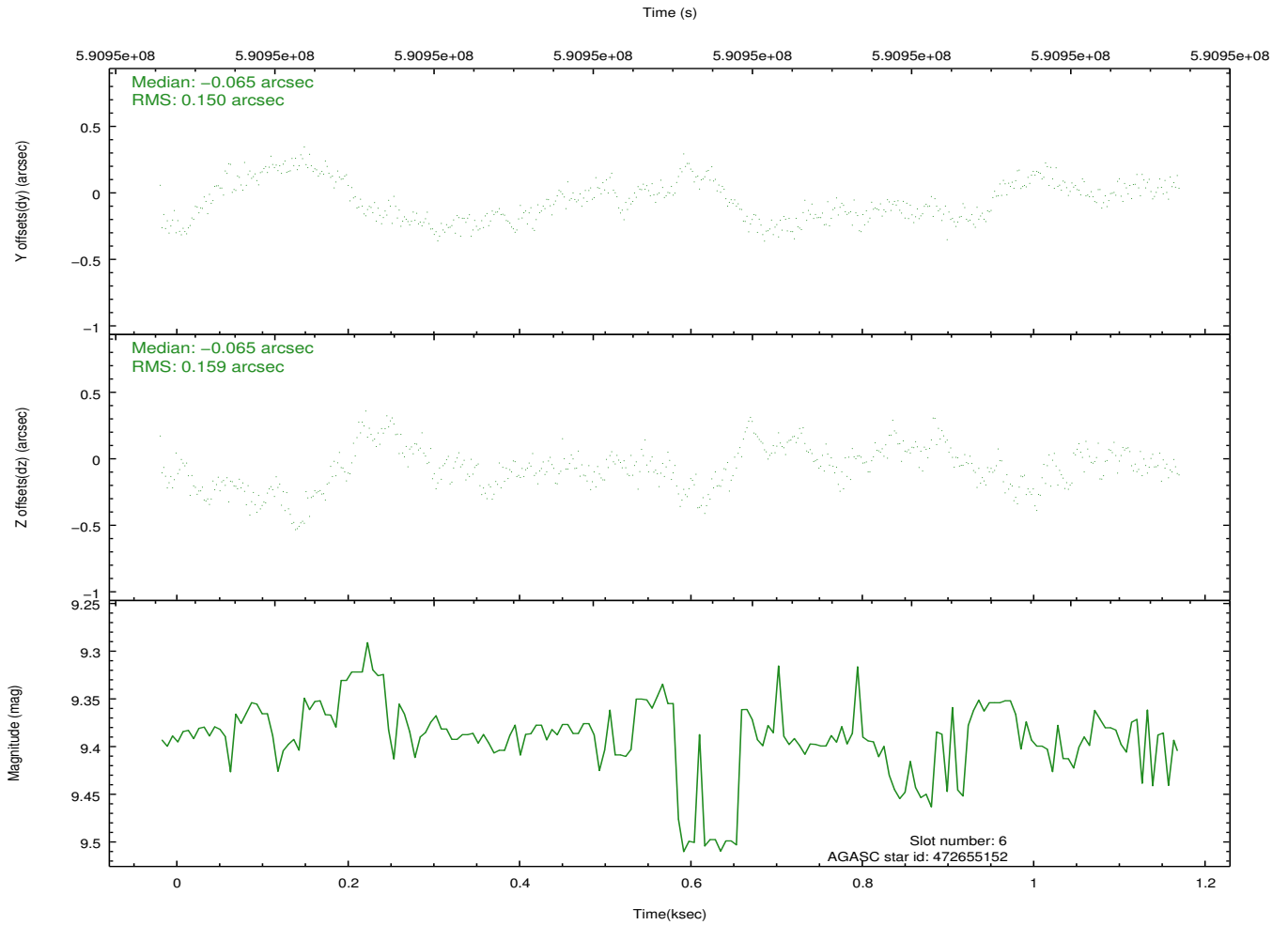
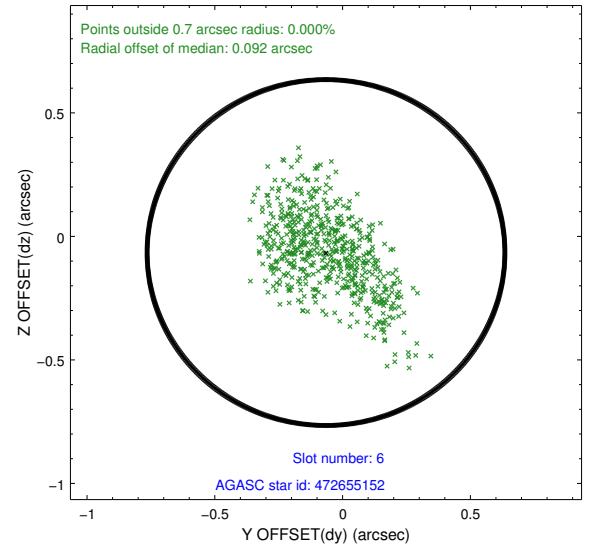
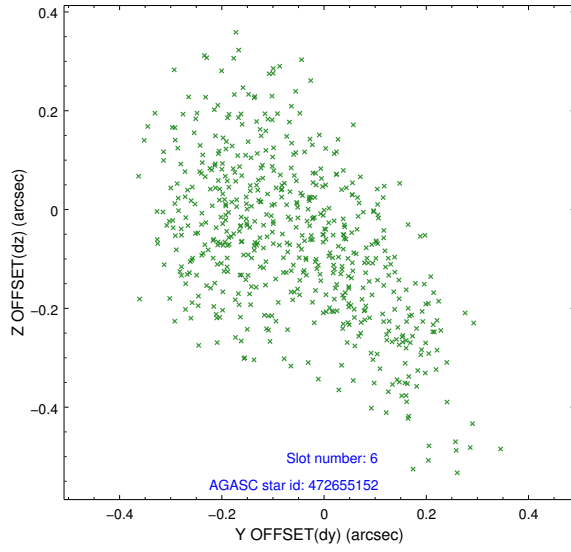
2.4.2 Slot 4



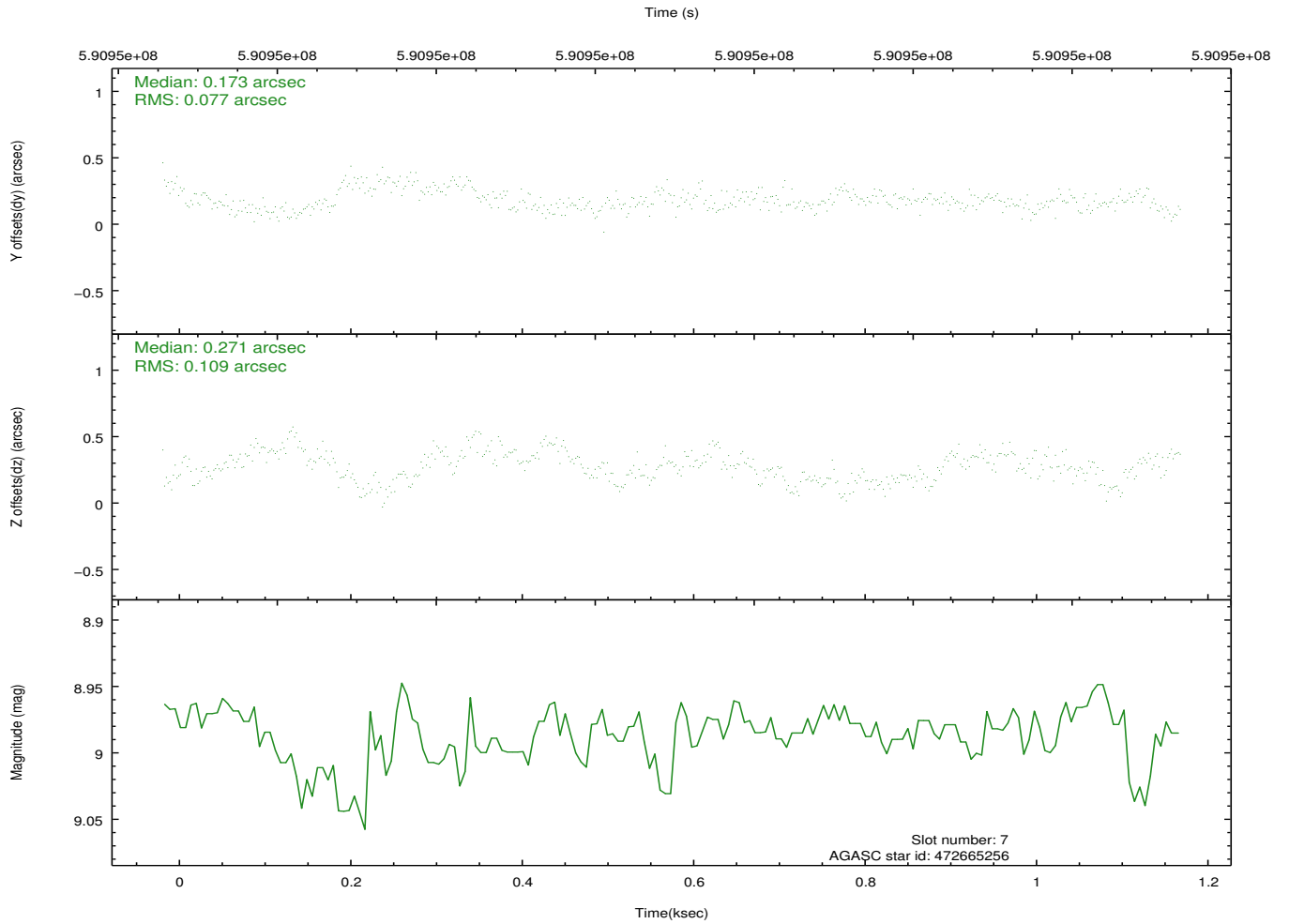
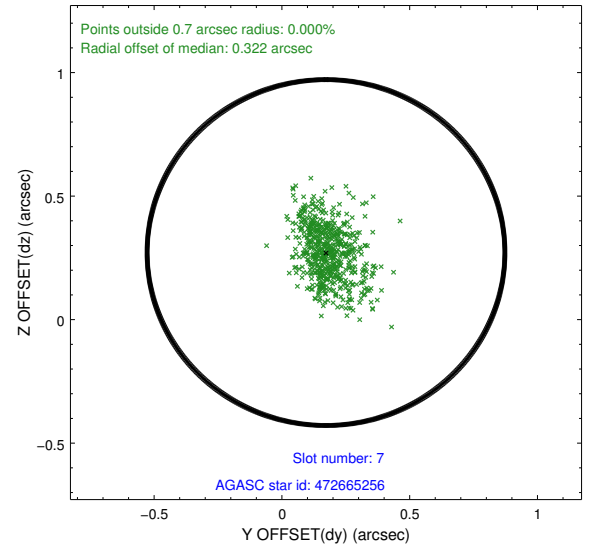
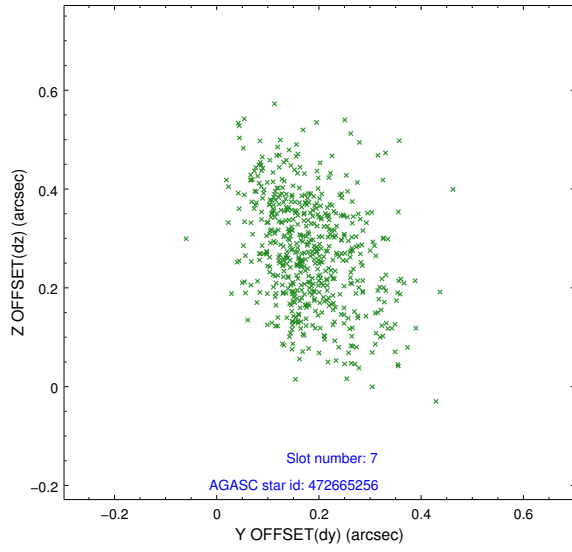
2.4.3 Slot 5



2.4.4 Slot 6

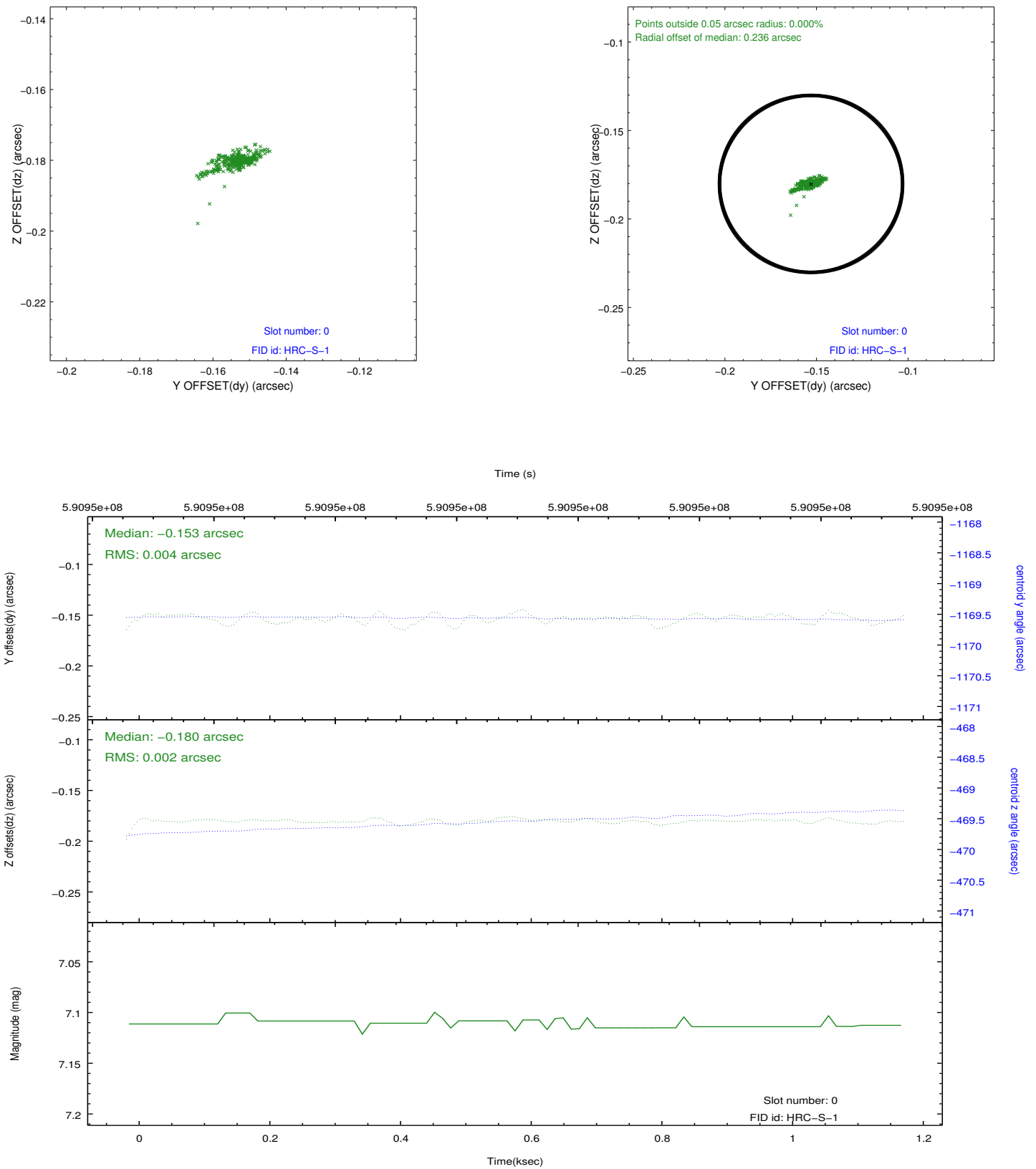


2.4.5 Slot 7

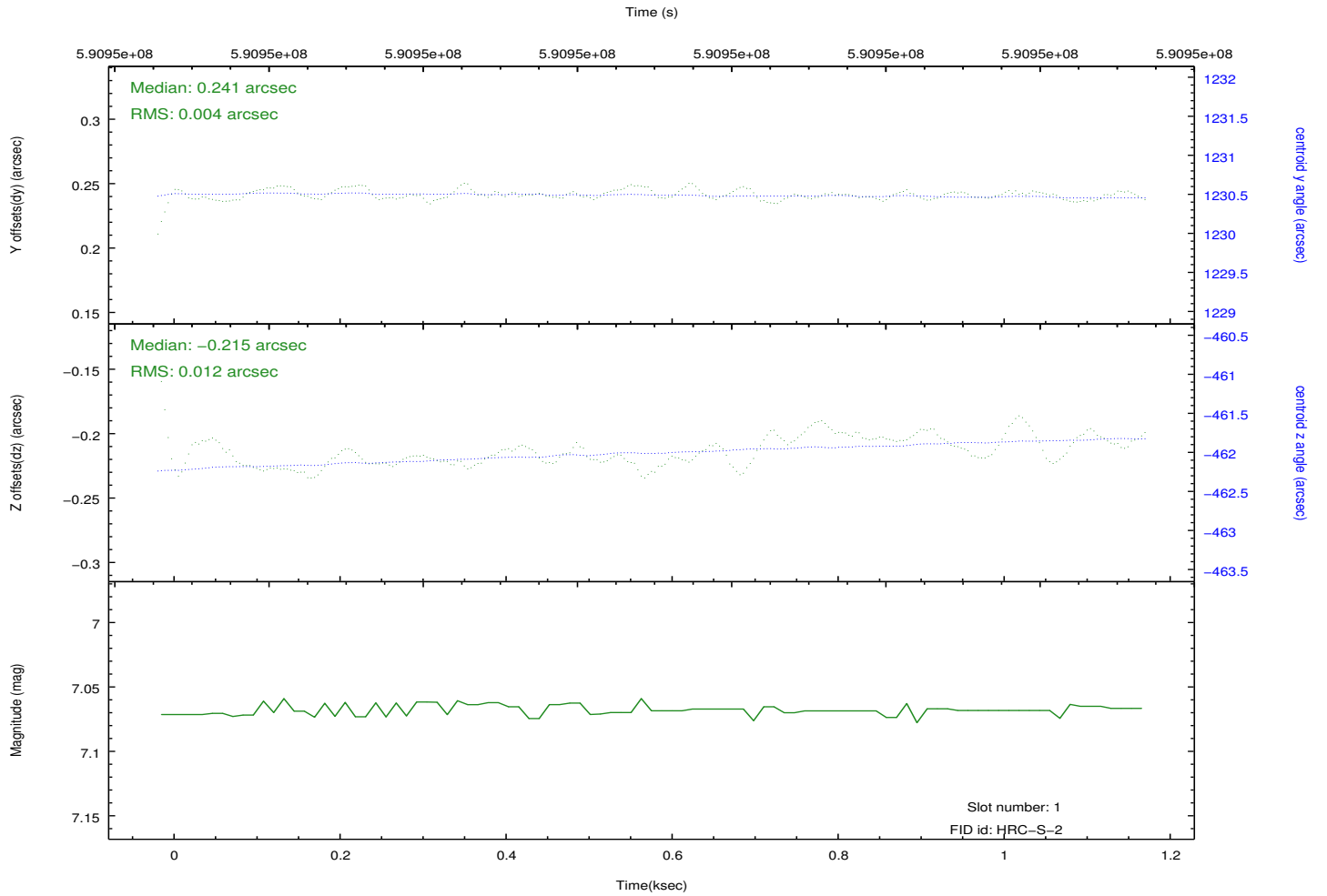
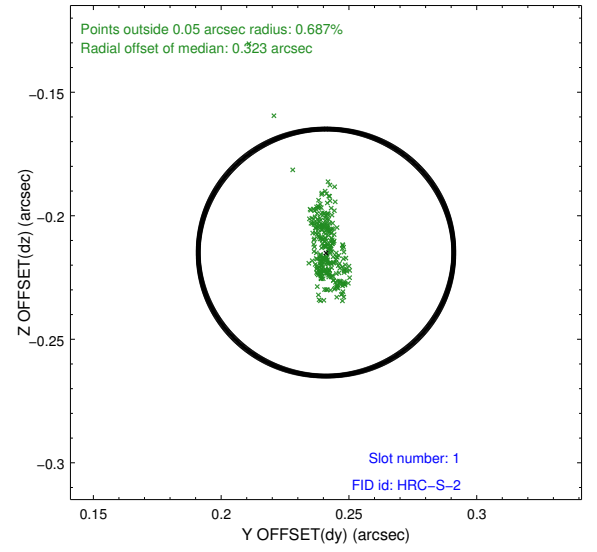
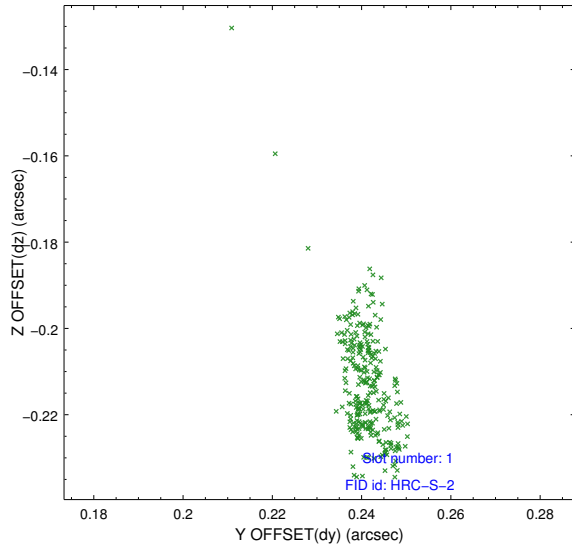


2.5 FID Slots

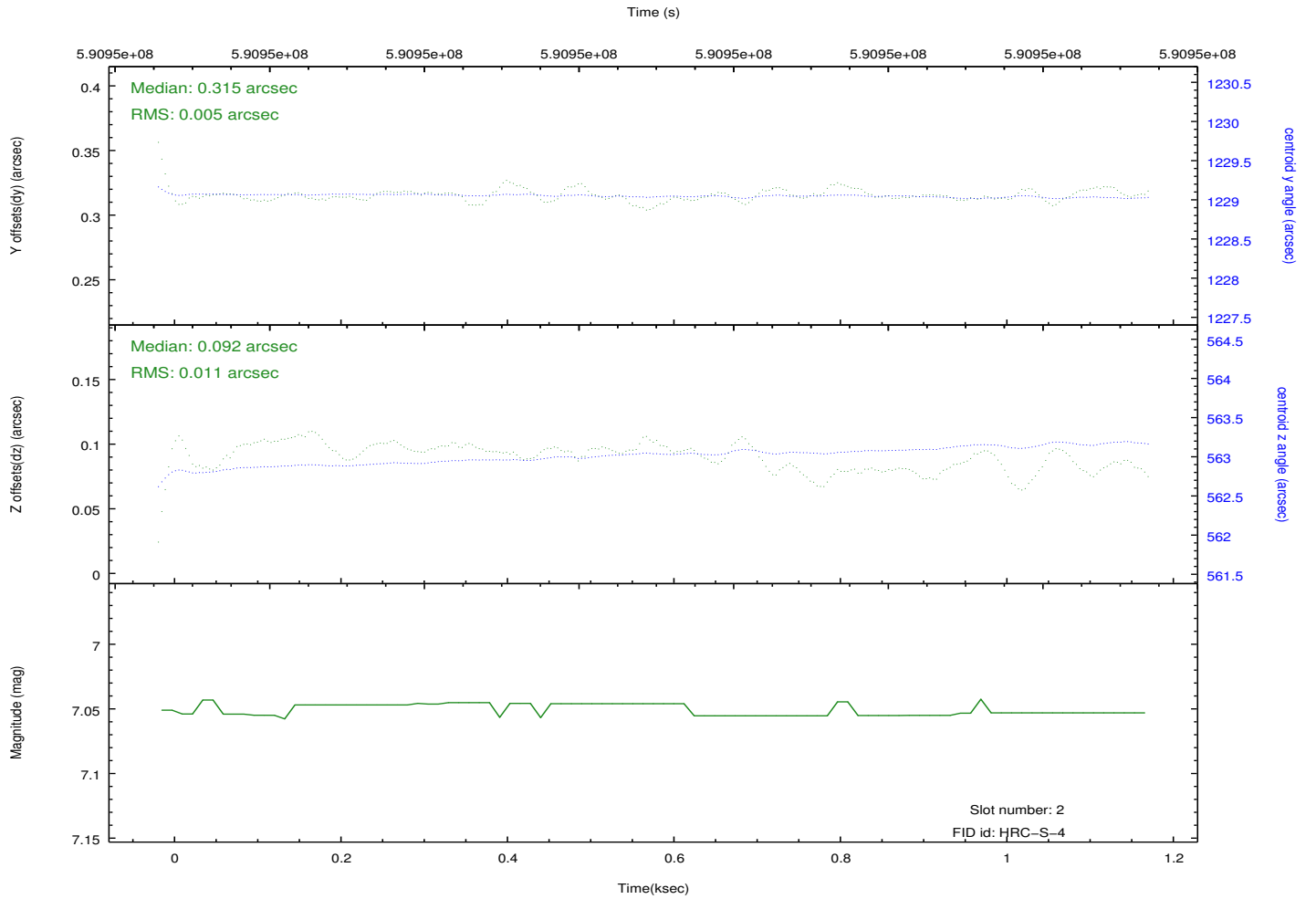
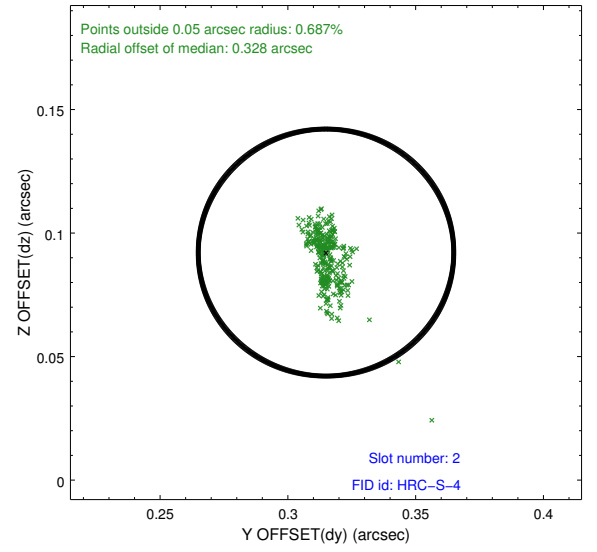
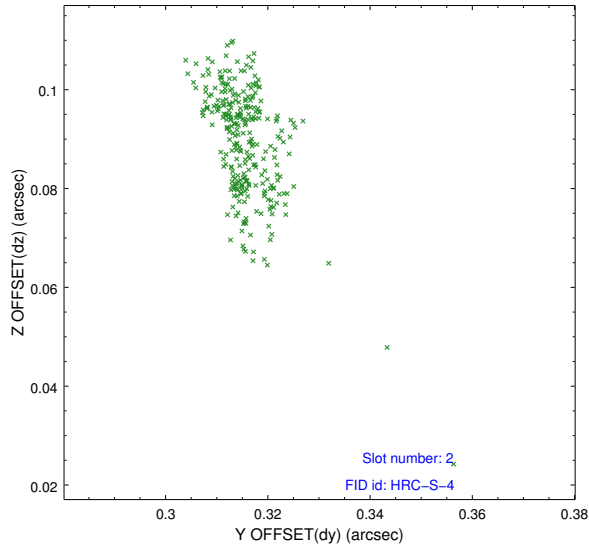
2.5.1 Slot 0



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	1.1759313175678

A.2 Comments