

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19814 - L2 Version 1
Chandra X-Ray Center

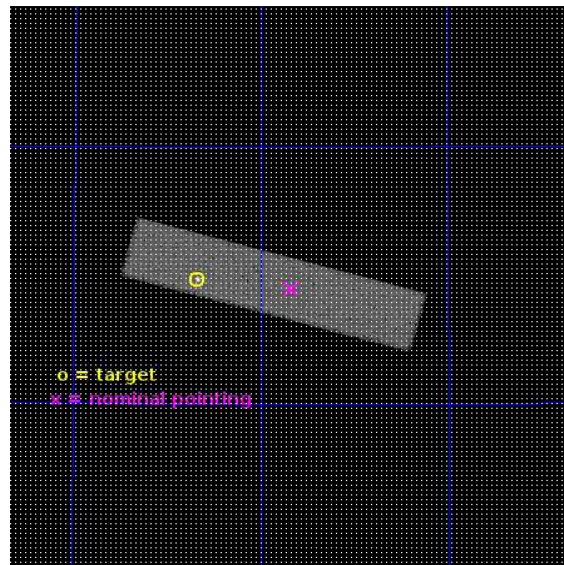
L2 Processing Date : Sep 16 2017

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1 Front

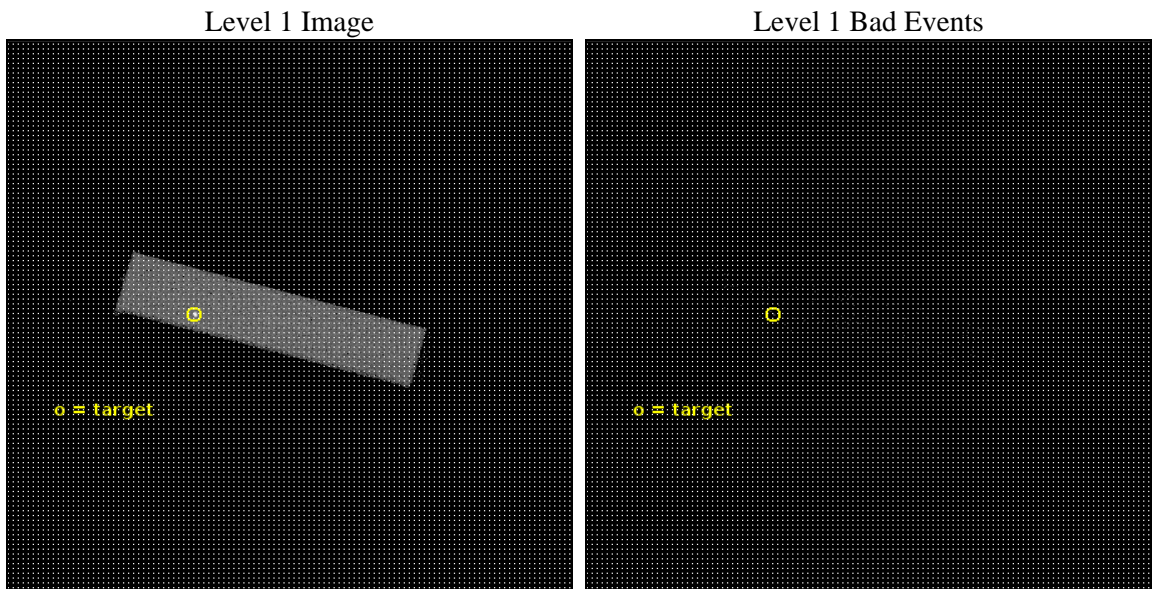
seq_num	291331	Sequence number
obs_id	19814	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.91788629905	Nominal RA [deg]
dec_nom	45.72410044331	Nominal Dec [deg]
roll_nom	195.24783524261	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.596940279	[s]
livetime	1167.5818575859	Ontime multiplied by DTCOR
l2events	79288	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	1177.7250689268	[s]
caldbver	4.7.6	 	l1events	123918	Number of level 1 events
date	2017-09-16T05:05:29	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

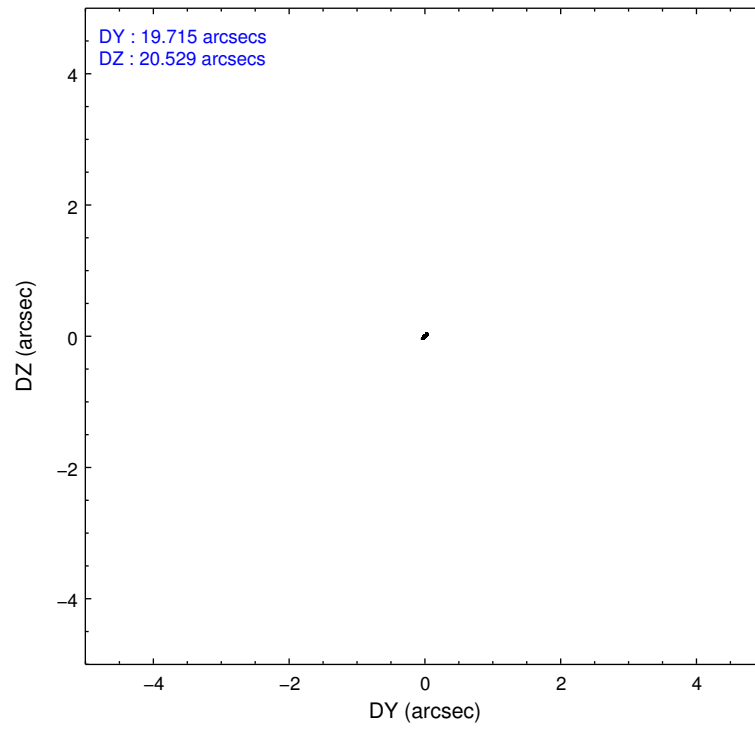
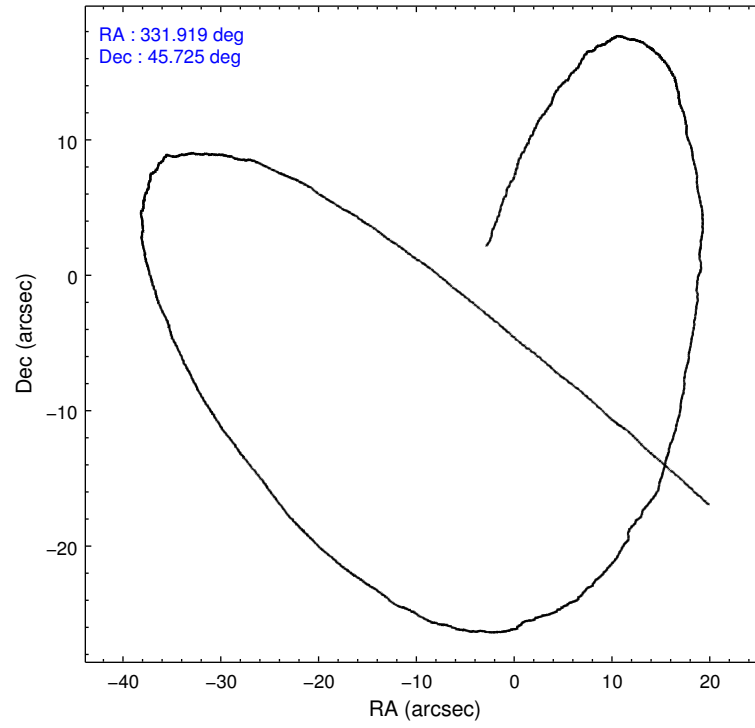
	segment 1	segment 2	segment 3
level 1 events	10	123907	1
rejected events	10	32394	1
rejected %	100%	26%	100%

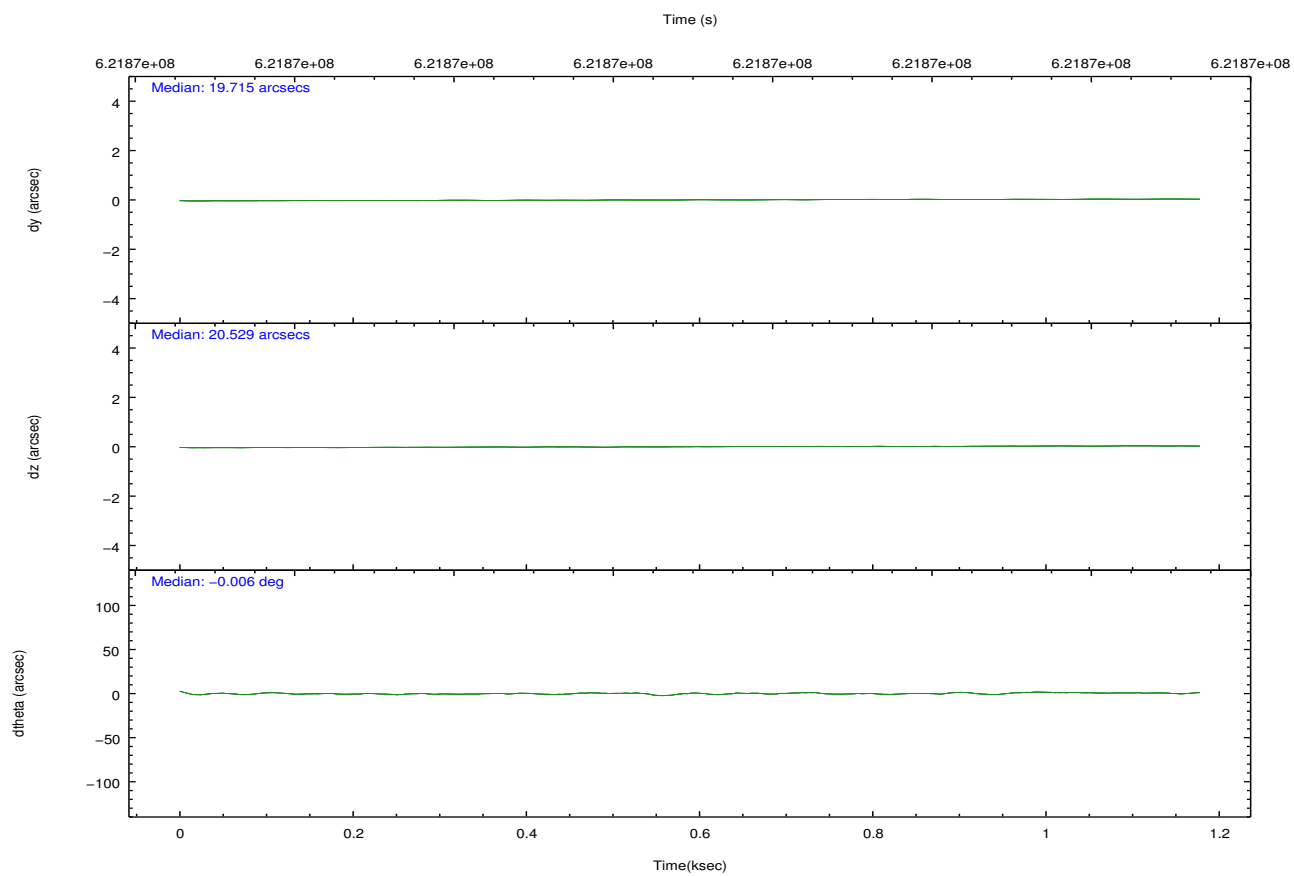
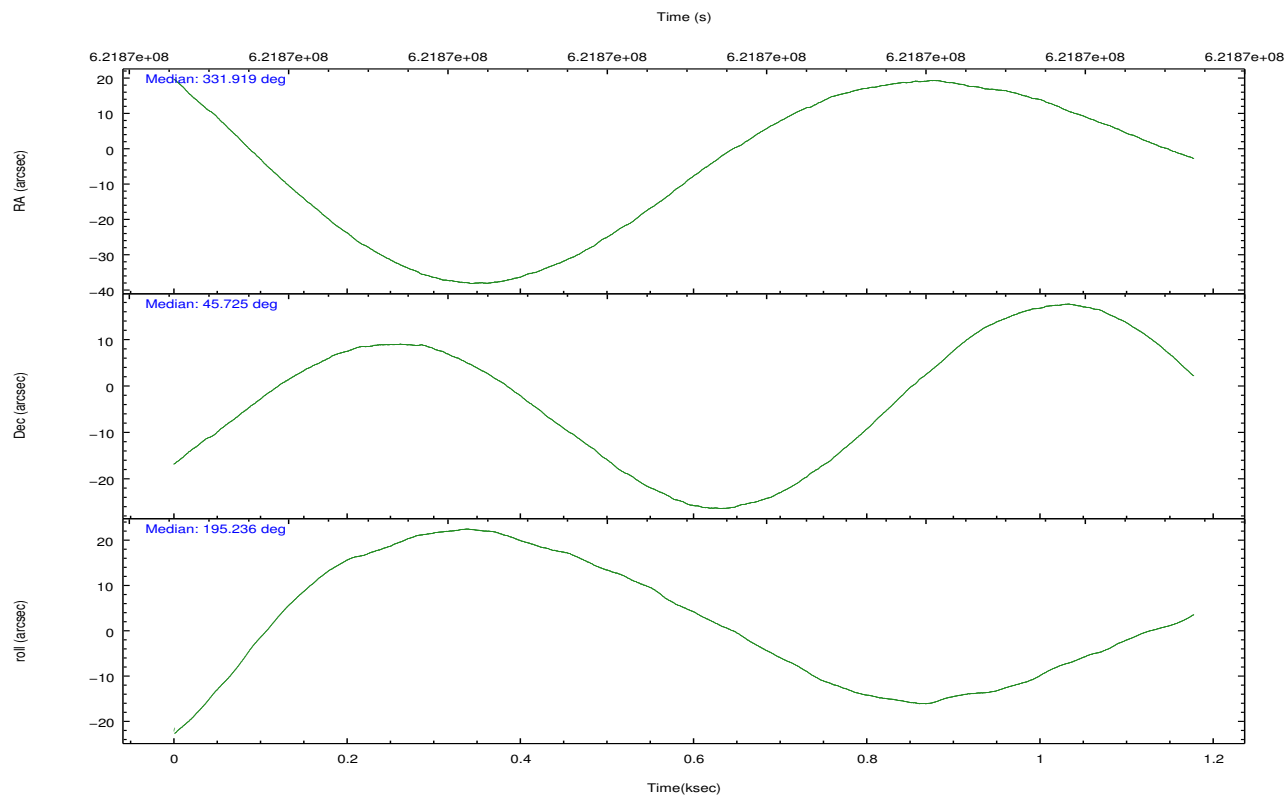
2.2 Compared Parameters

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	331.945683	331.9178862990522
[deg] Pointing Dec	45.744589	45.72410044330989
[deg] Pointing Roll	195.160676	195.2478352426149
[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)	621872504.184000	621871907.58268
Observation start date	2017-09-15T14:20:35	2017-09-15T14:11:47
[s] Observation end time (MET)	621873504.184000	621874089.8078099
Observation end date	2017-09-15T14:37:15	2017-09-15T14:48:09

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

2.3 Aspect



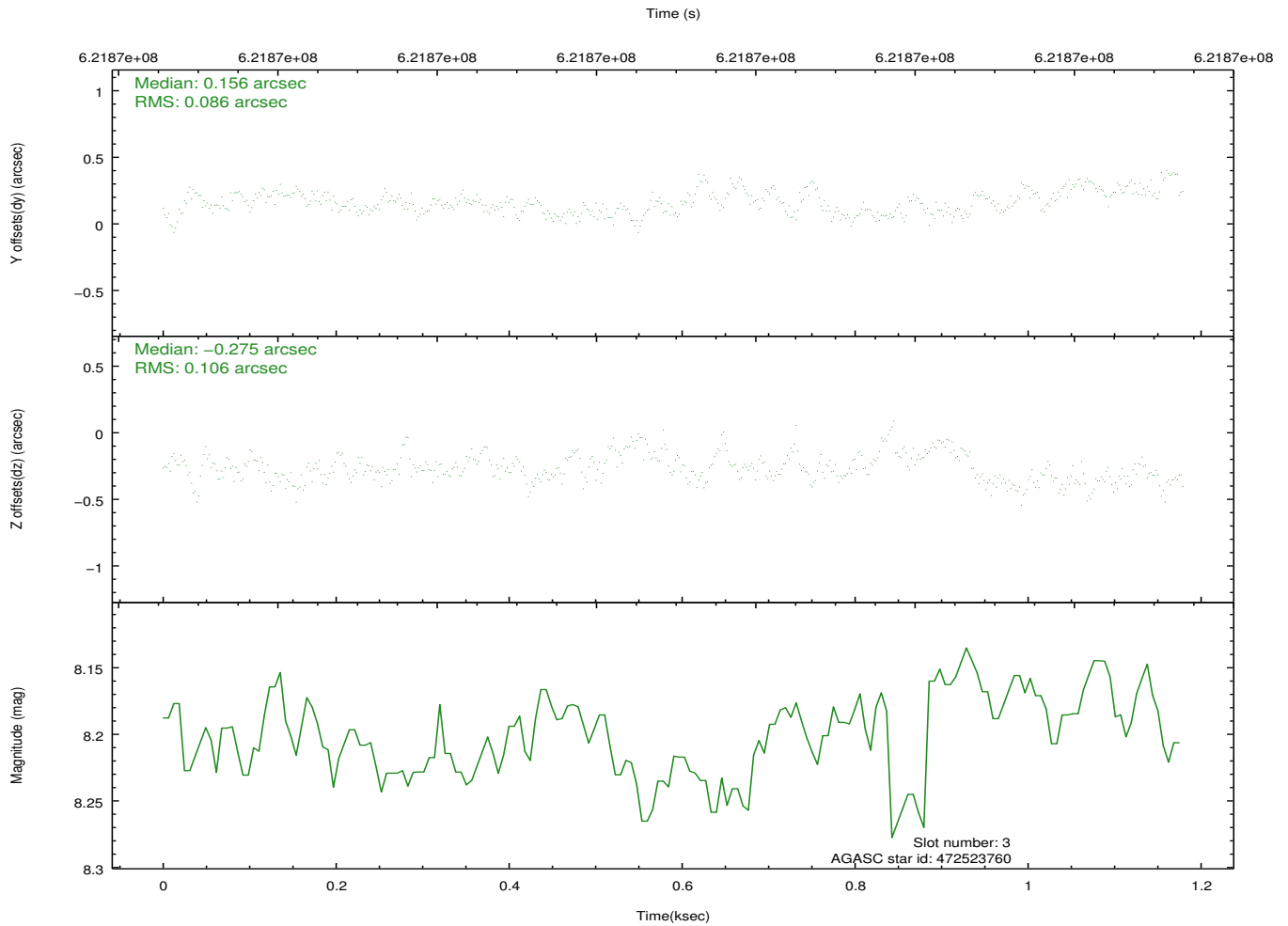
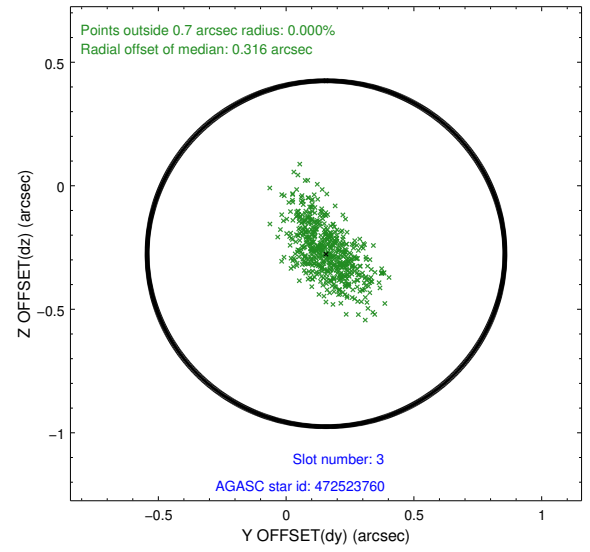
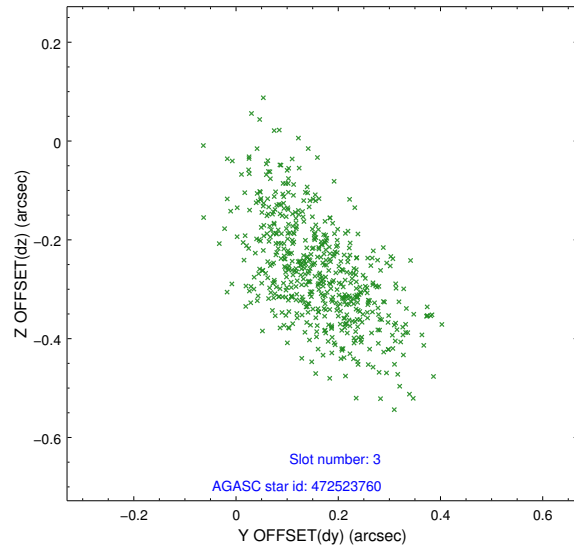


Slot Statistics

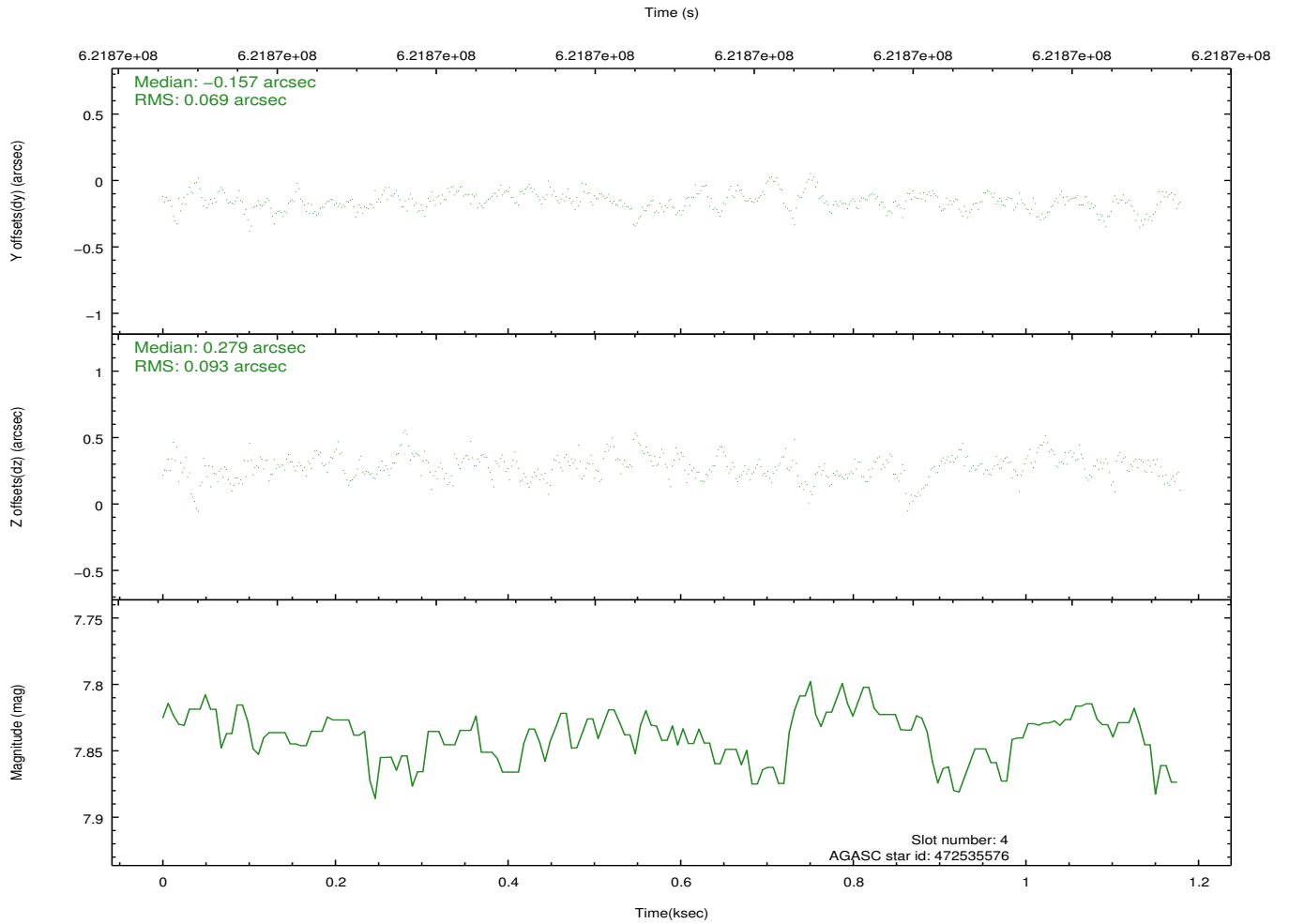
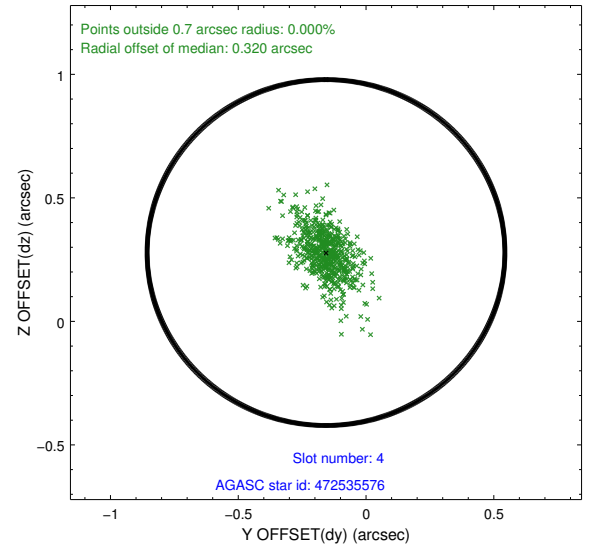
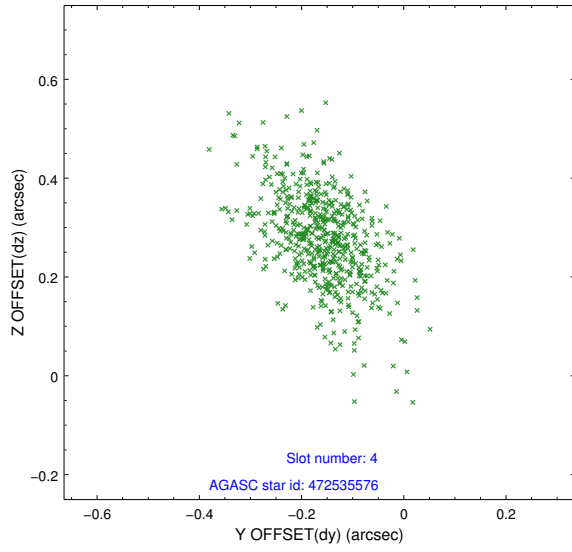
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.07	288	-0.077	-0.242	0.007	0.011	0.000000	0.000000	-1174.35	-469.69
1	FID		HRC-S-2	7.01	288	0.376	-0.117	0.007	0.013	0.000000	0.000000	1221.68	-463.73
2	FID		HRC-S-3	7.03	288	0.091	0.056	0.006	0.011	0.000000	0.000000	-1172.71	558.52
3	GUIDE	used	472523760	8.20	576	0.156	-0.275	0.142	0.246	331.645363	45.403260	1054.63	989.79
4	GUIDE	used	472535576	7.84	576	-0.157	0.279	0.113	0.219	331.438373	46.291802	704.77	-2229.53
5	GUIDE	used	472533912	9.13	572	0.269	0.446	0.182	0.312	331.791136	46.368695	-214.46	-2269.18
6	GUIDE	used	472525528	6.62	576	-0.379	-0.330	0.138	0.236	331.551102	45.248694	1431.29	1458.86
7	GUIDE	used	472651904	6.10	575	0.108	-0.122	0.130	0.233	332.170077	45.742257	-538.12	159.65

2.4 Star Slots

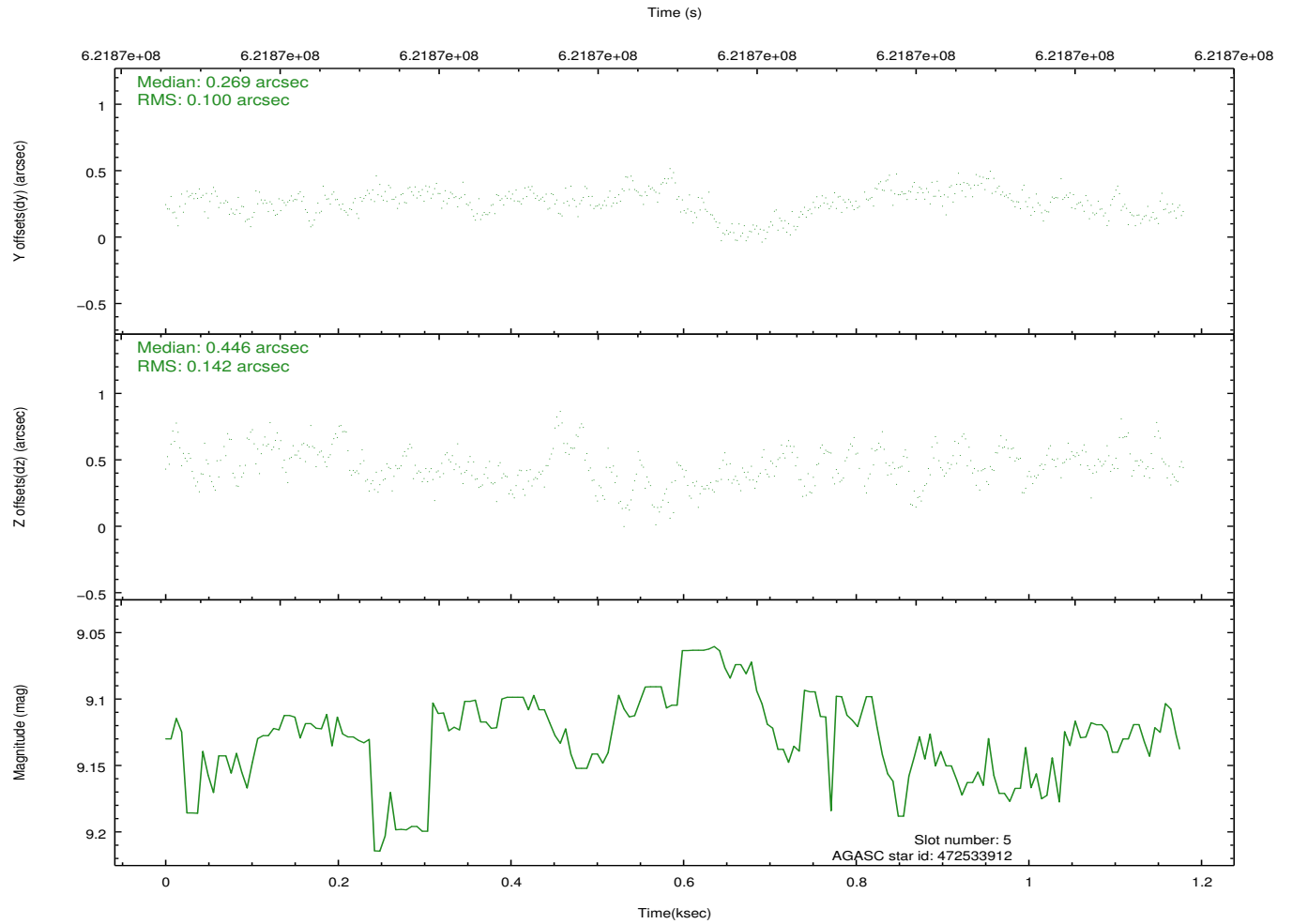
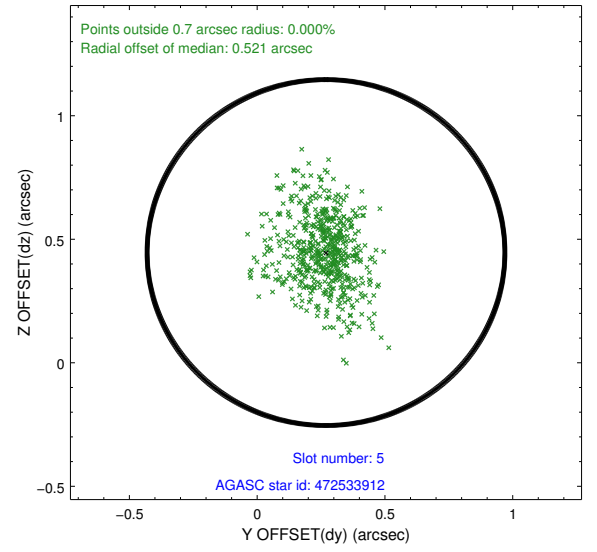
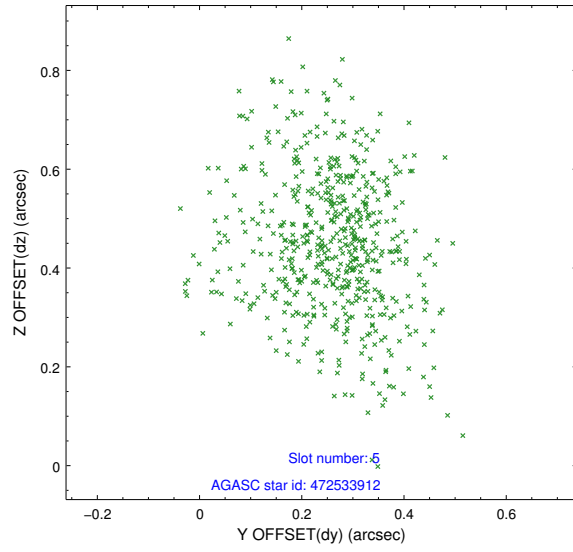
2.4.1 Slot 3



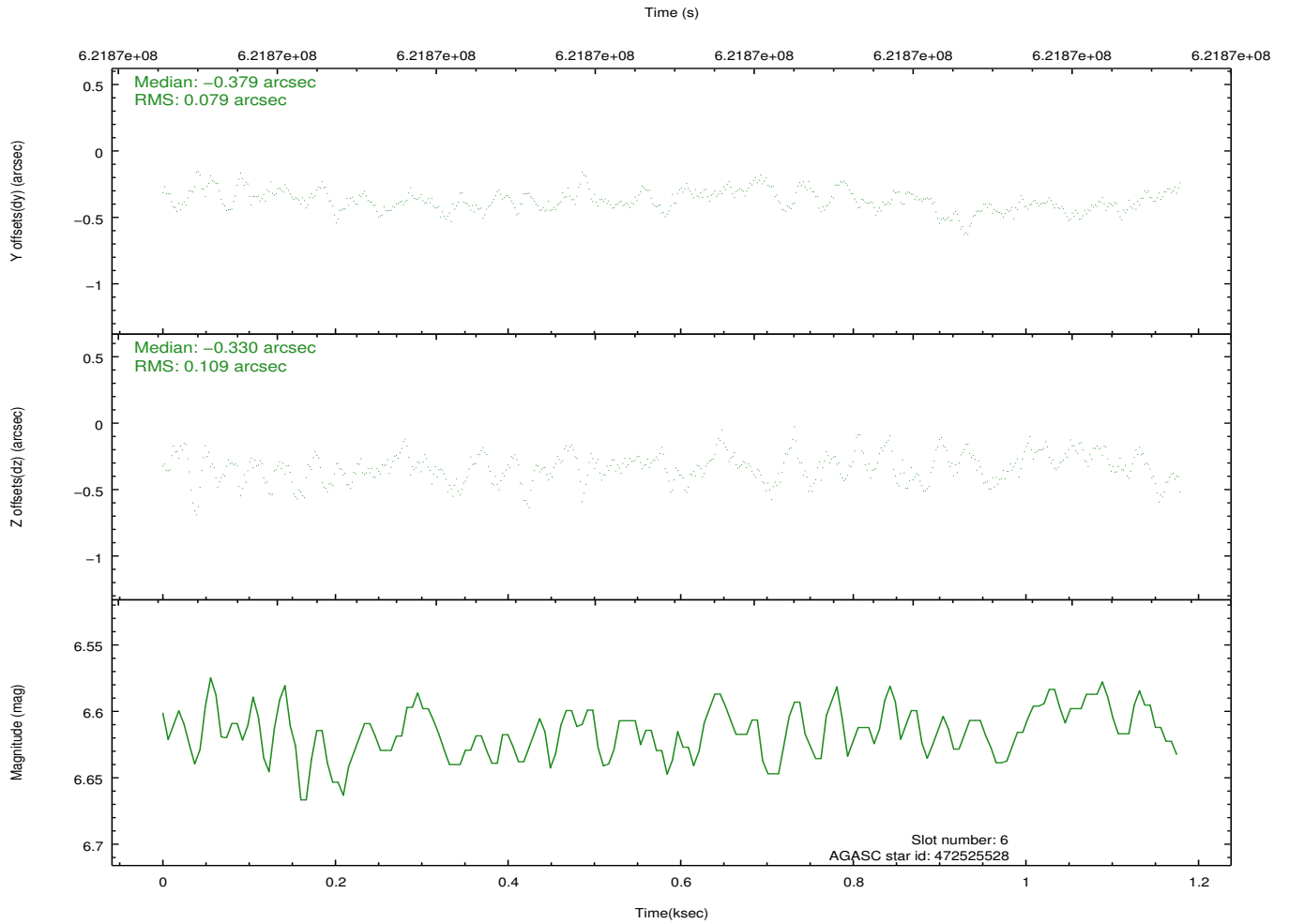
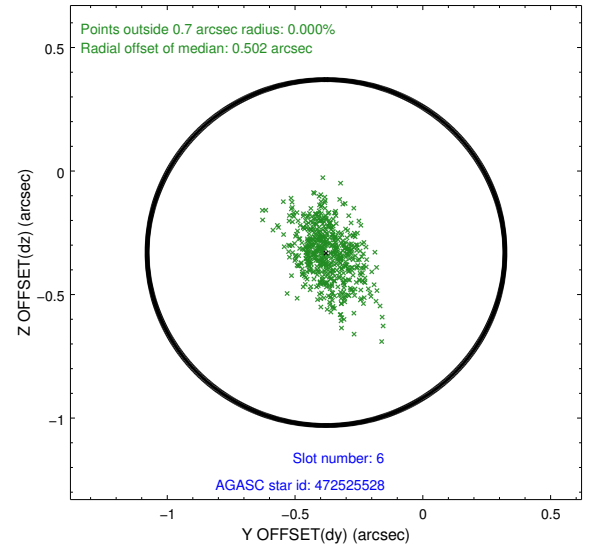
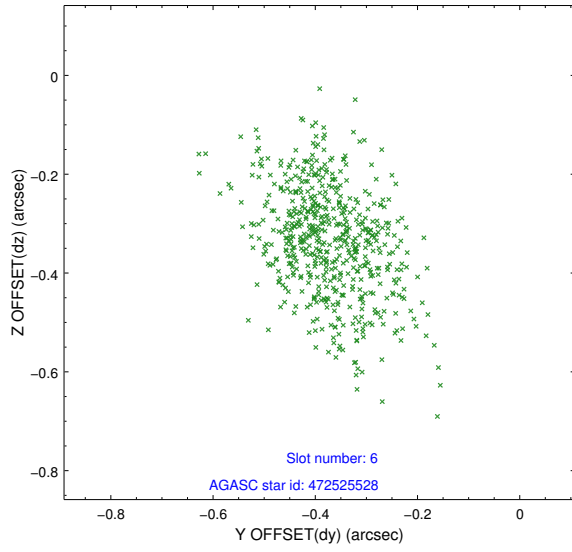
2.4.2 Slot 4



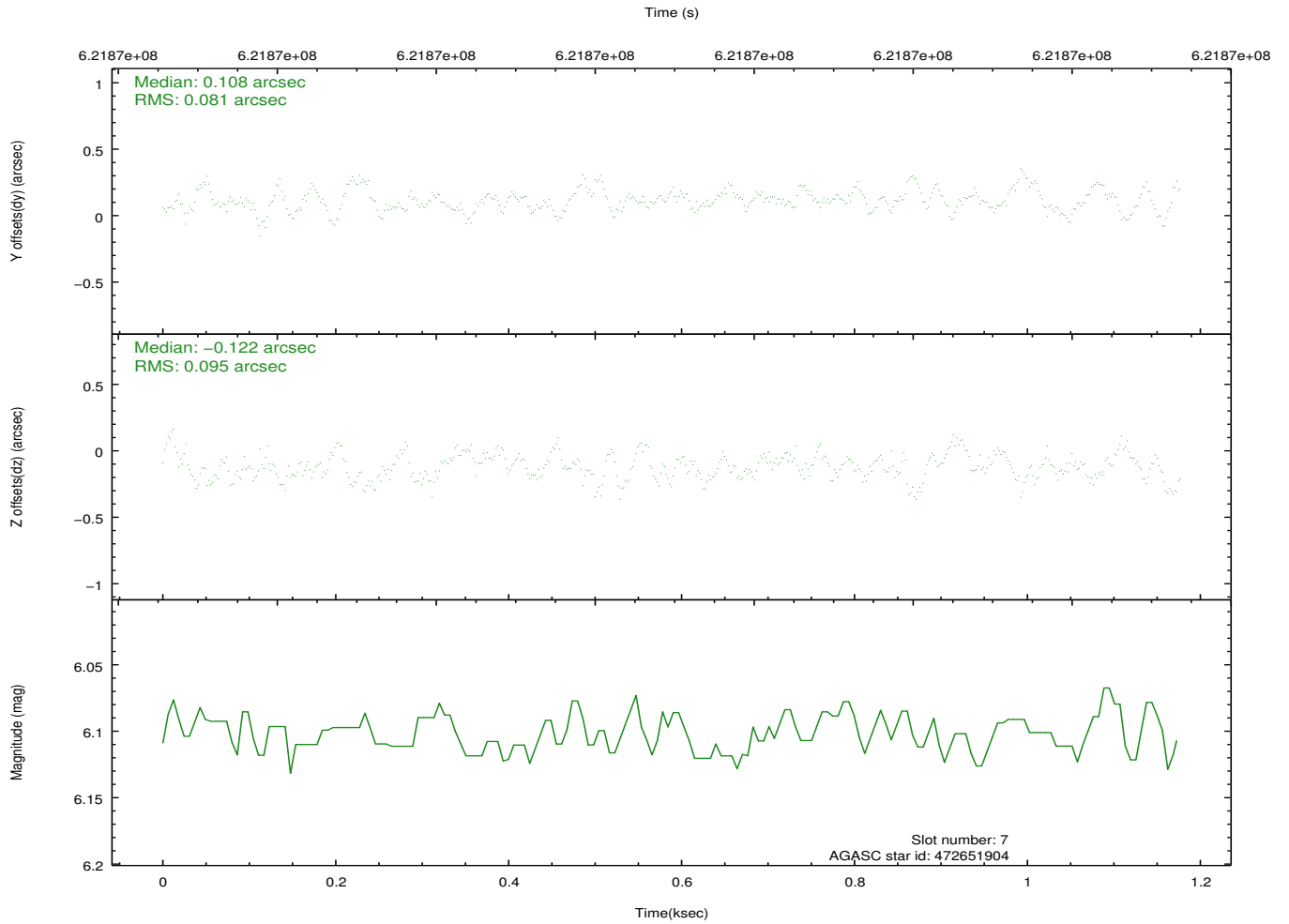
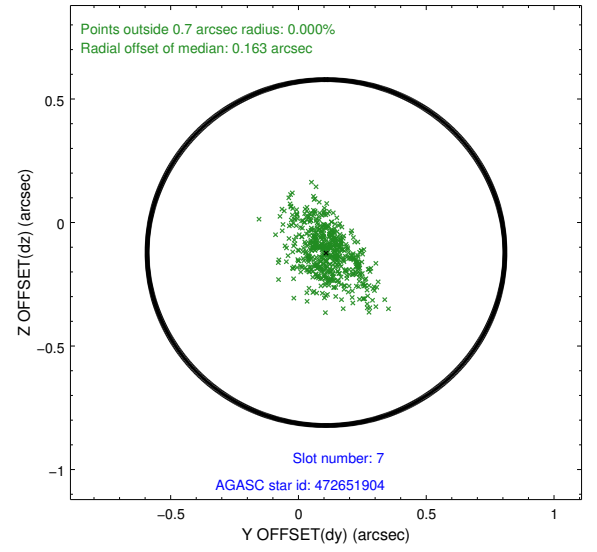
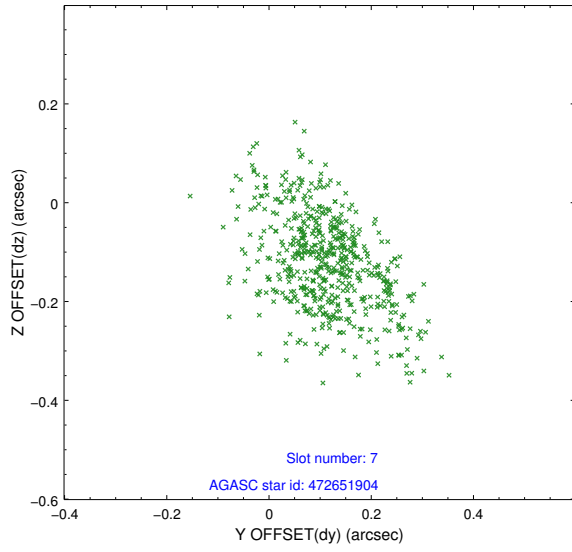
2.4.3 Slot 5



2.4.4 Slot 6

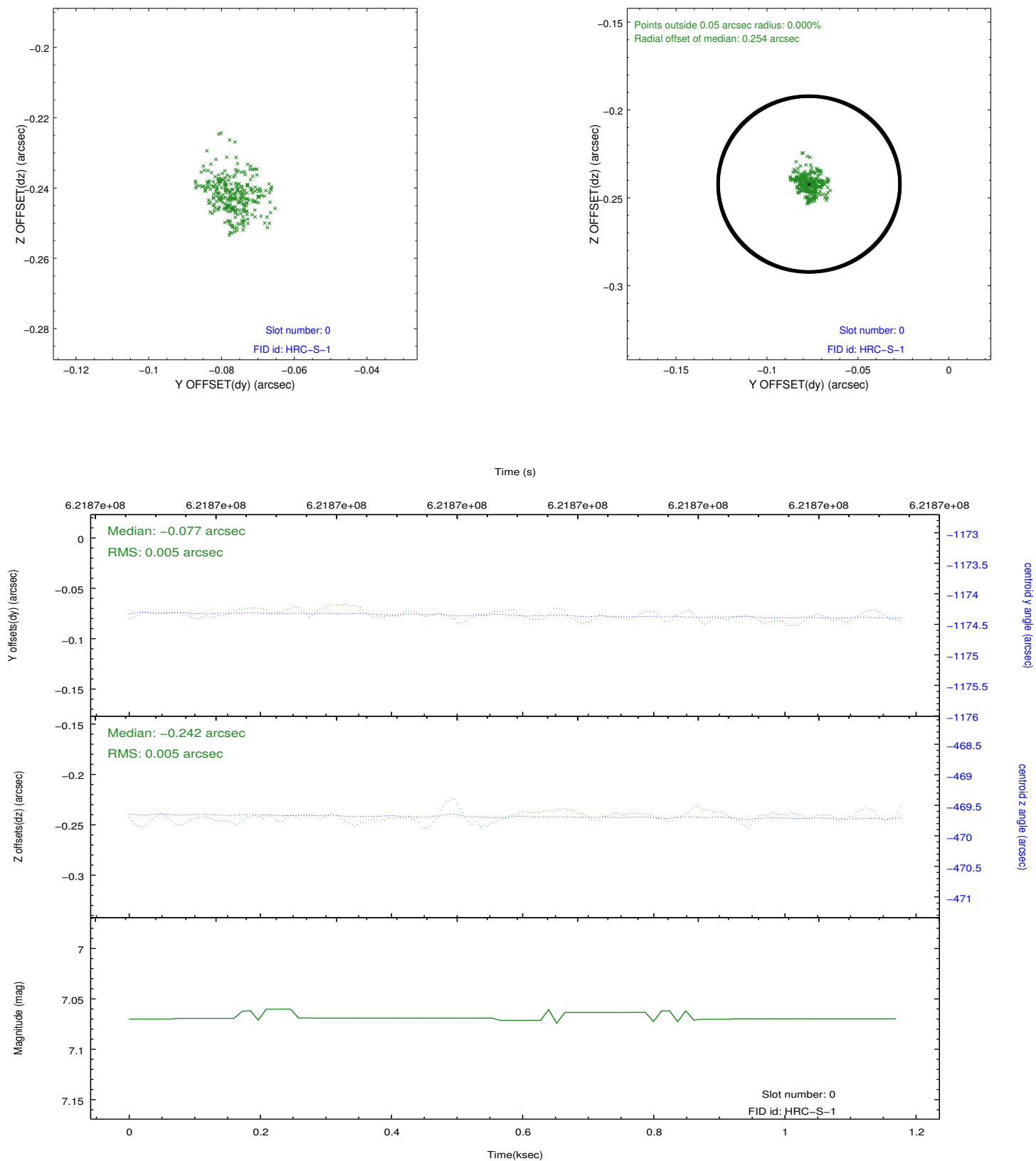


2.4.5 Slot 7

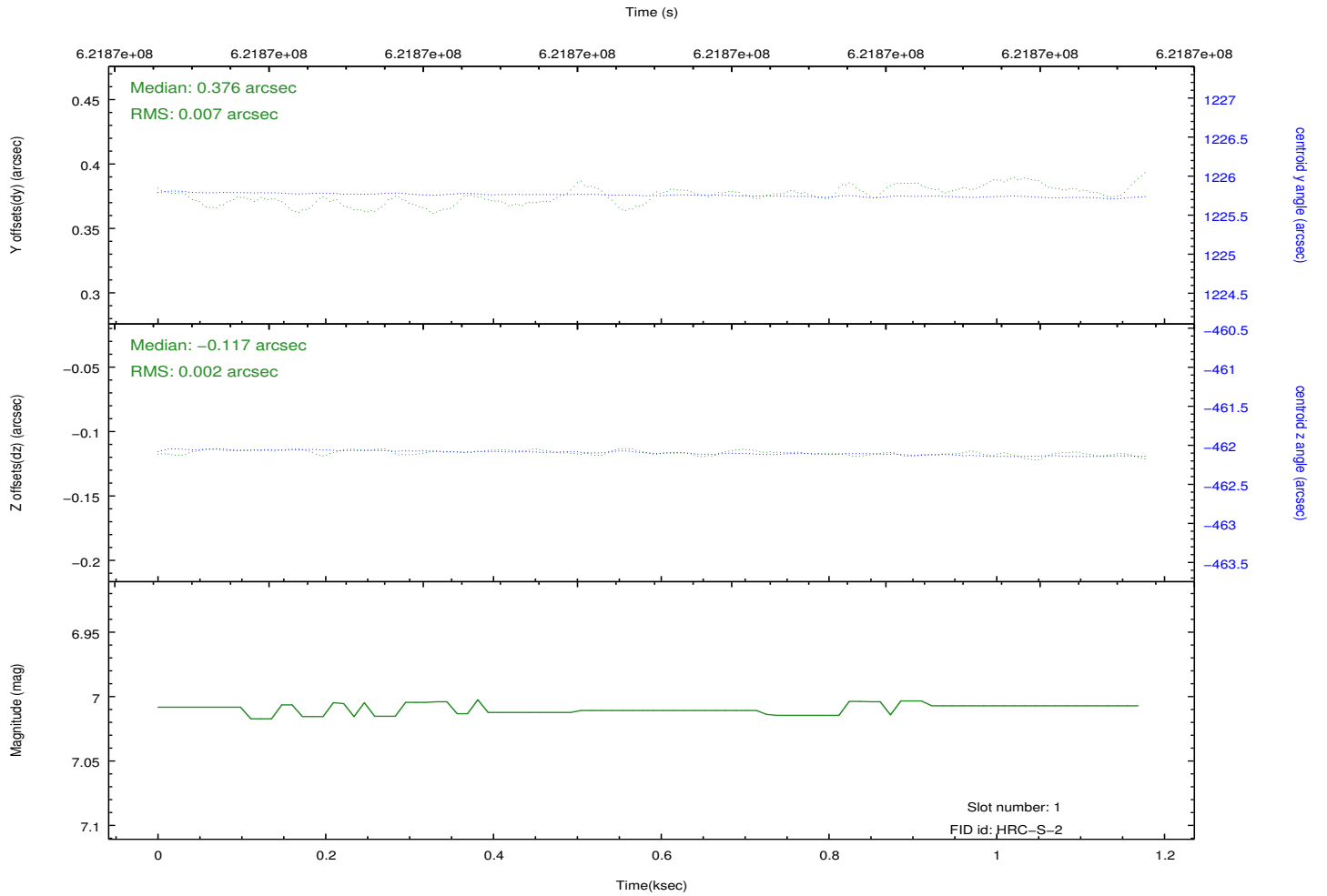
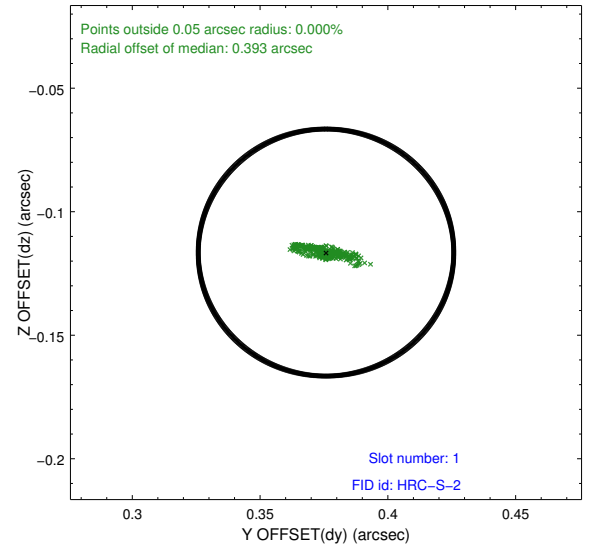
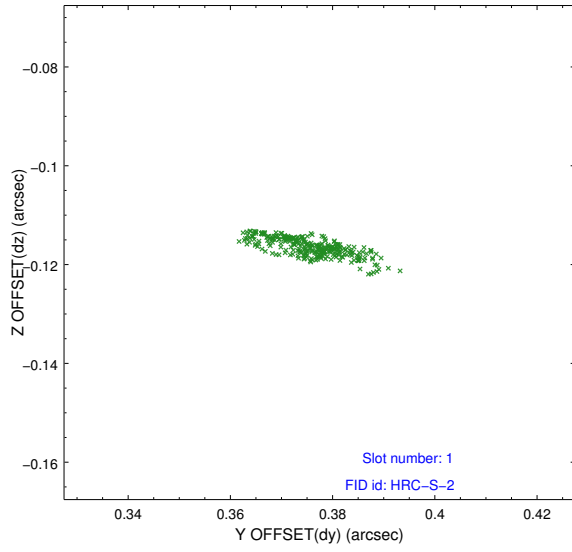


2.5 FID Slots

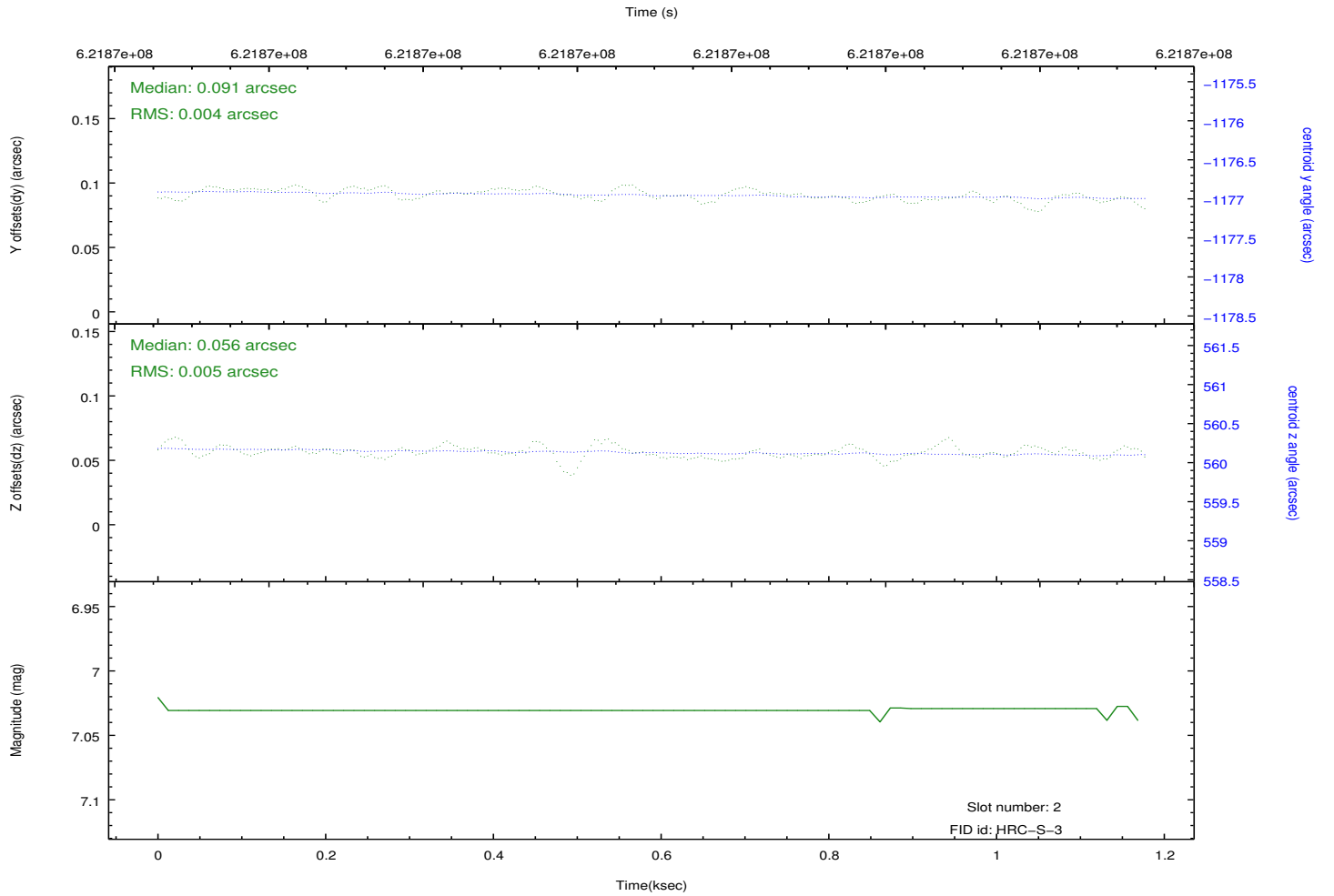
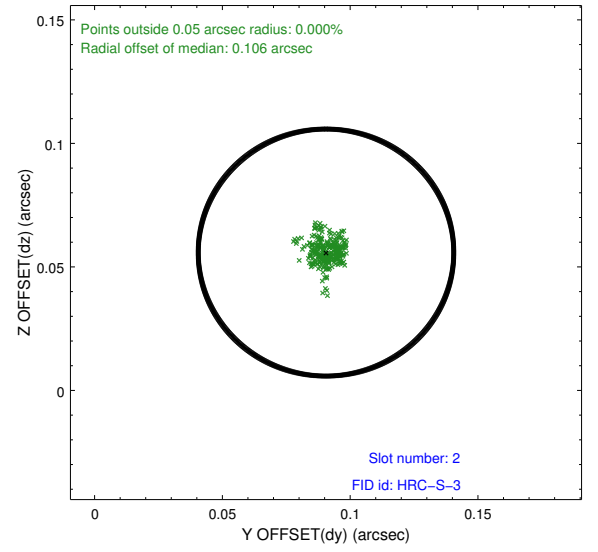
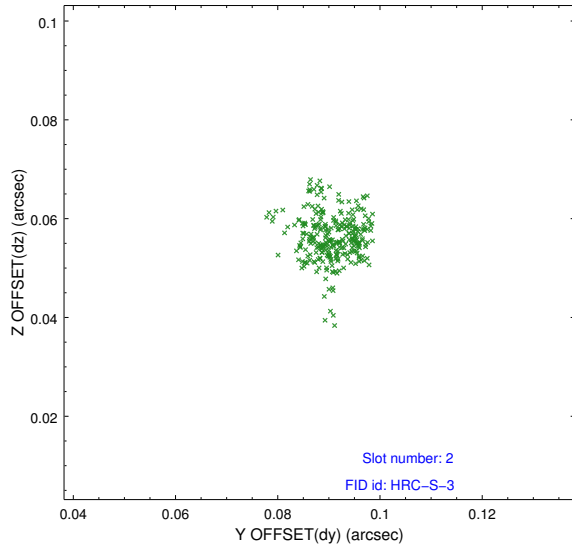
2.5.1 Slot 0



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)	2017.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.177596940279

A.2 Comments