

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16411 - L2 Version 1
Chandra X-Ray Center

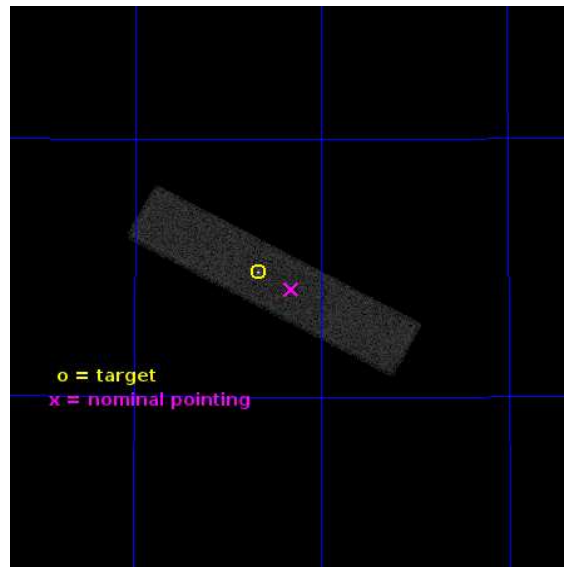
L2 Processing Date : Sep 17 2014

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1 Front

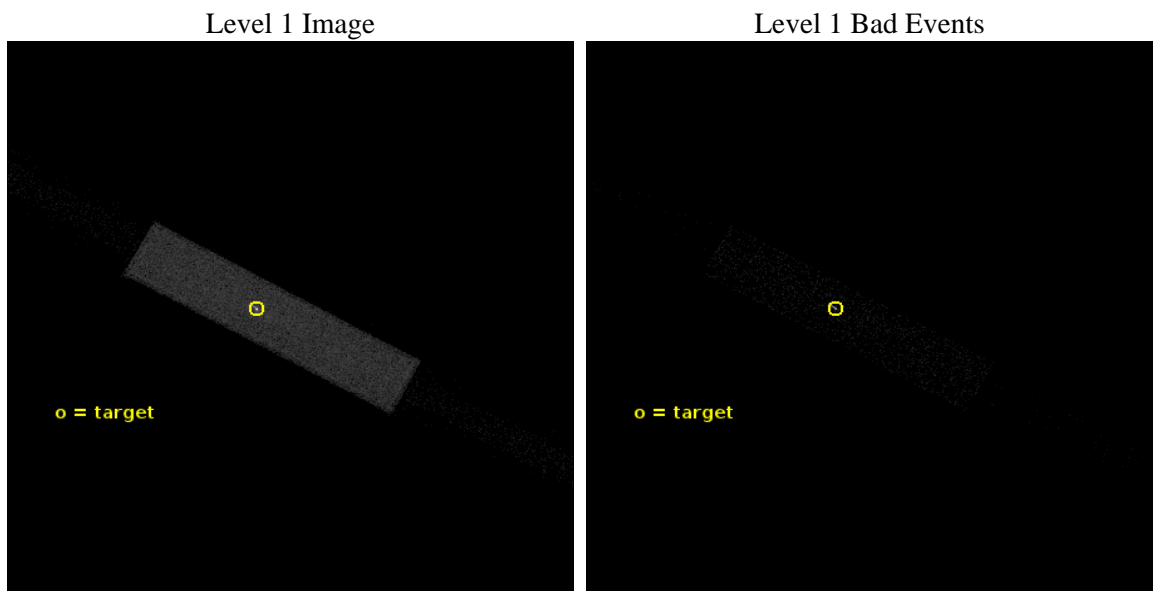
seq_num	291183	Sequence number
obs_id	16411	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07945115307	Nominal RA [deg]
dec_nom	45.709233550283	Nominal Dec [deg]
roll_nom	208.4635894449	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1153.3813140988	[s]
livetime	1145.8724567411	Ontime multiplied by DTCOR
l2events	58666	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	10.2.4	Processing system revision	ontime	1153.3813140988	[s]
caldsver	4.6.3	 	l1events	89635	Number of level 1 events
date	2014-09-17T03:51:03	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

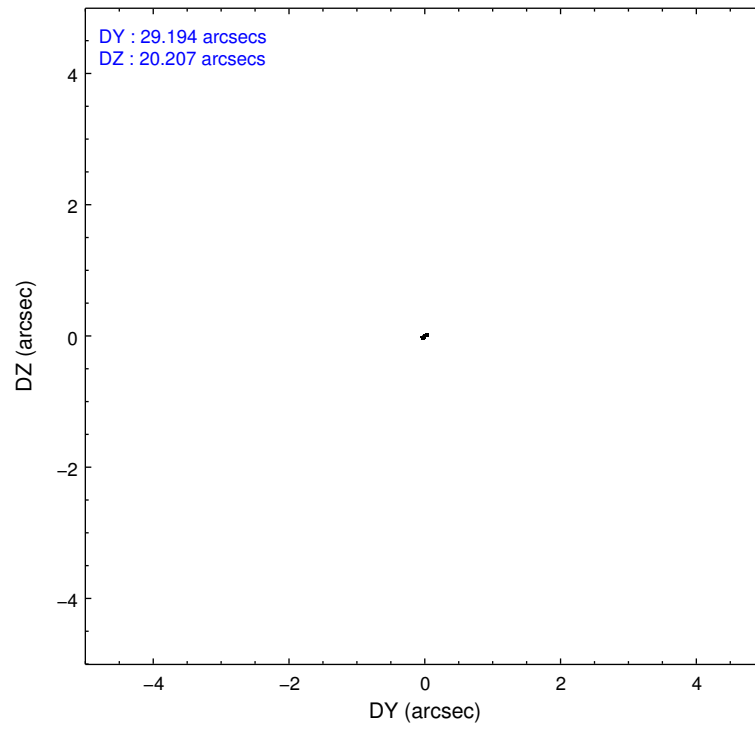
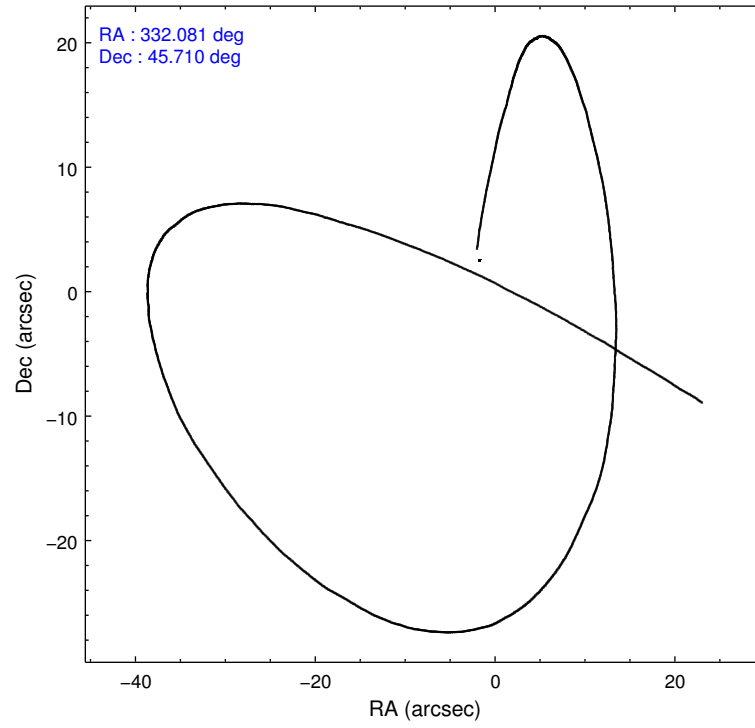
	segment 1	segment 2	segment 3
level 1 events	833	88027	775
rejected events	833	19951	775
rejected %	100%	22%	100%

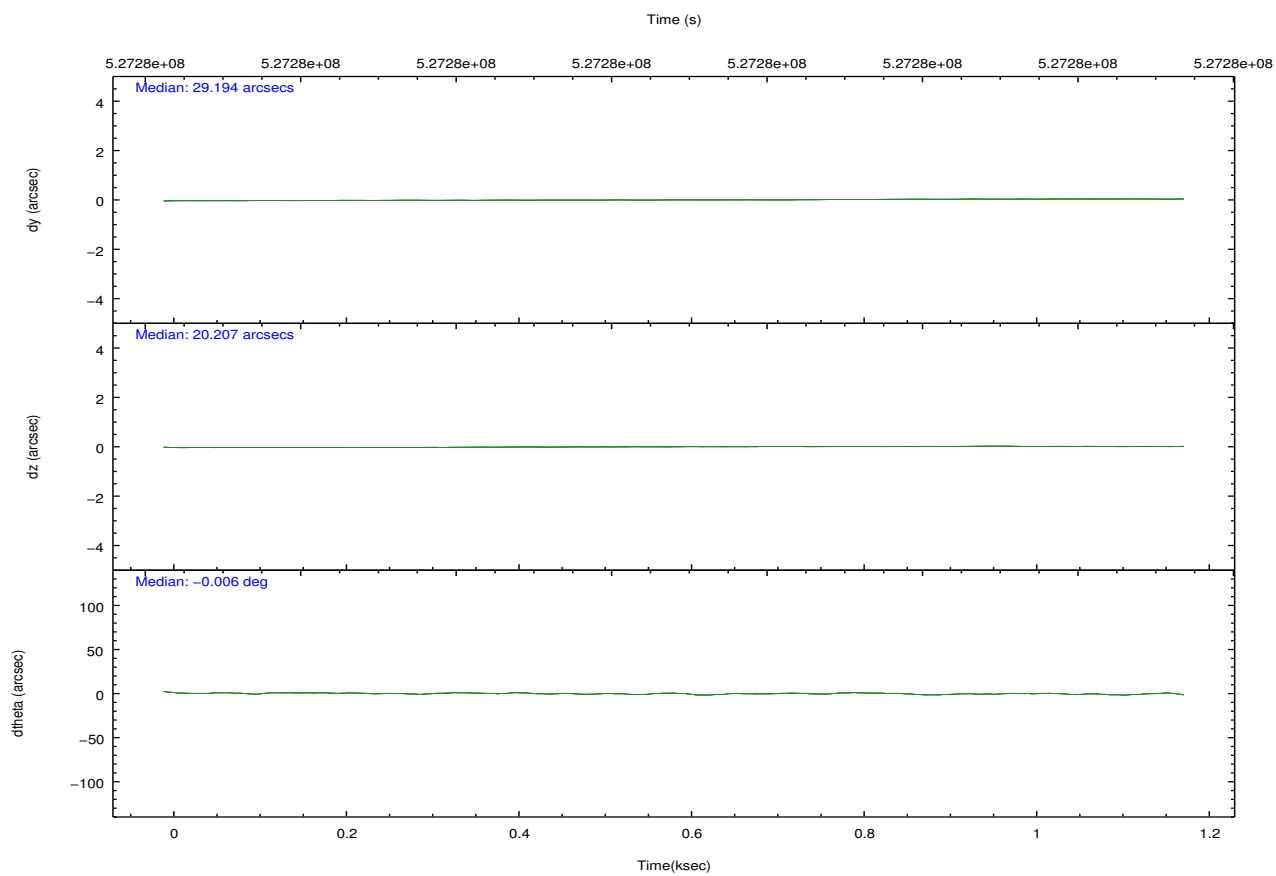
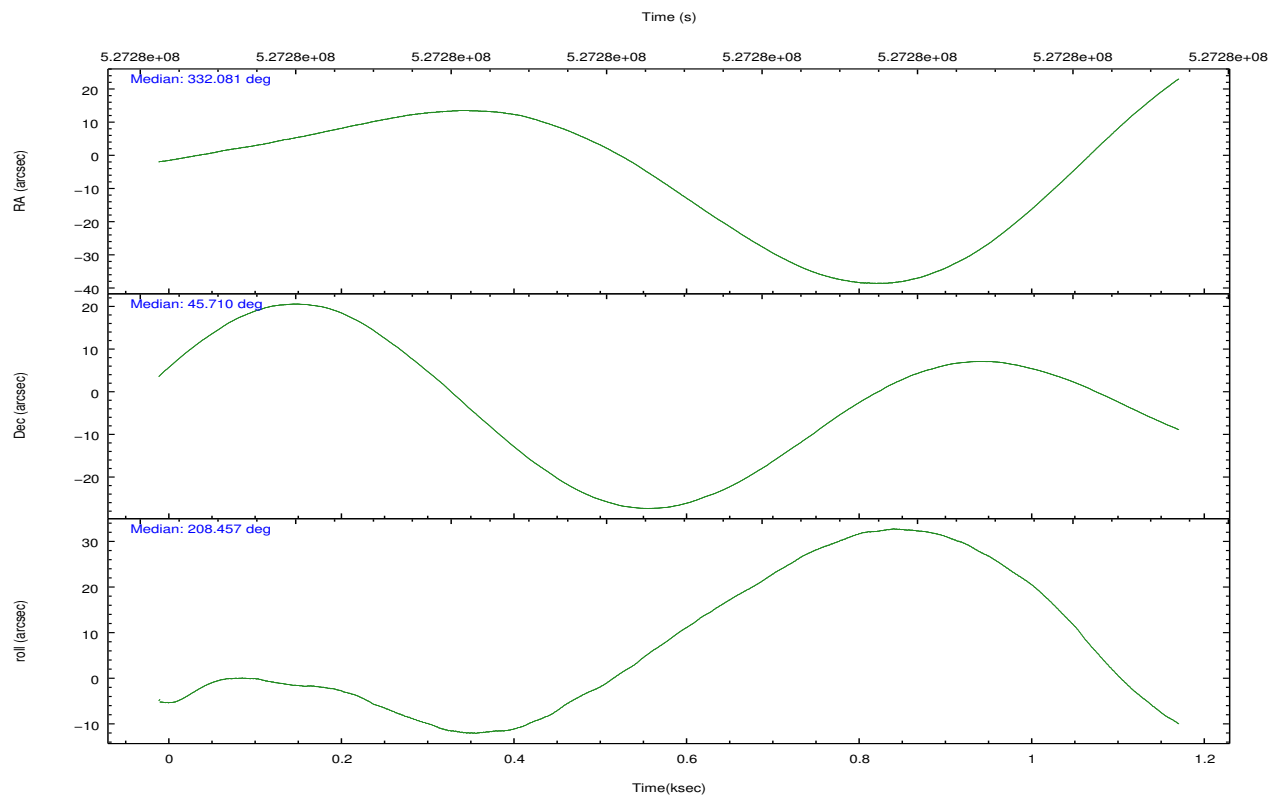
2.2 Compared Parameters

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	332.099655	332.079451153065
[deg] Pointing Dec	45.733620	45.70923355028267
[deg] Pointing Roll	208.381814	208.4635894449018
[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)	527278058.184000	527277681.36619
Observation start date	2014-09-16T18:06:31	2014-09-16T18:01:21
[s] Observation end time (MET)	527279058.184000	527279192.21627
Observation end date	2014-09-16T18:23:11	2014-09-16T18:26:32

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

2.3 Aspect



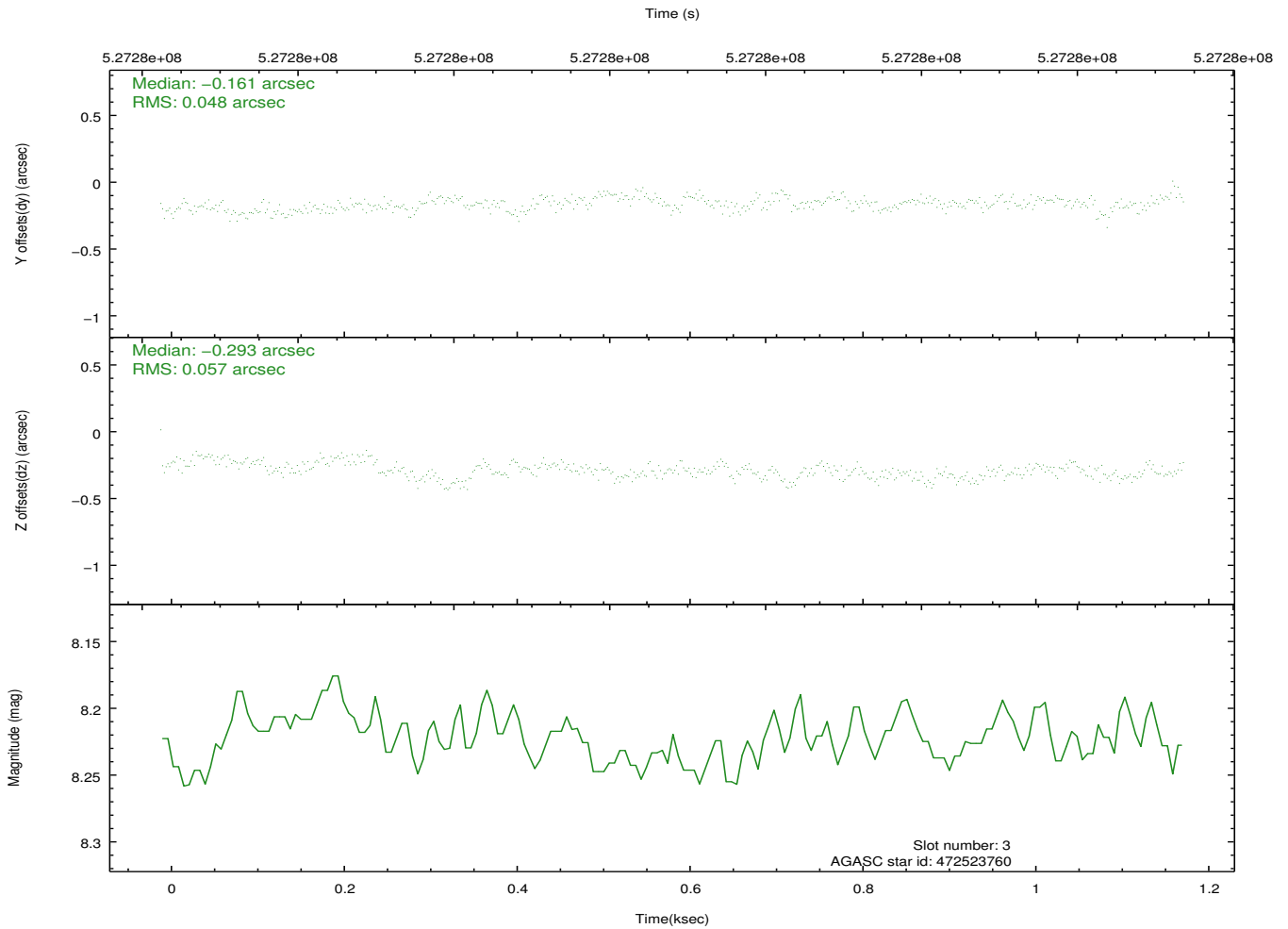
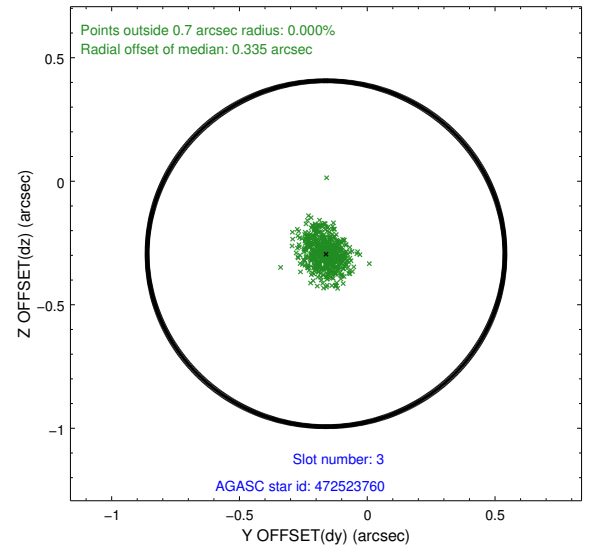
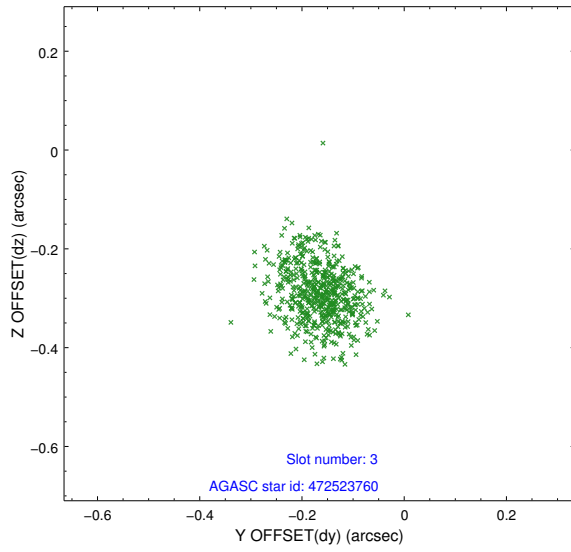


Slot Statistics

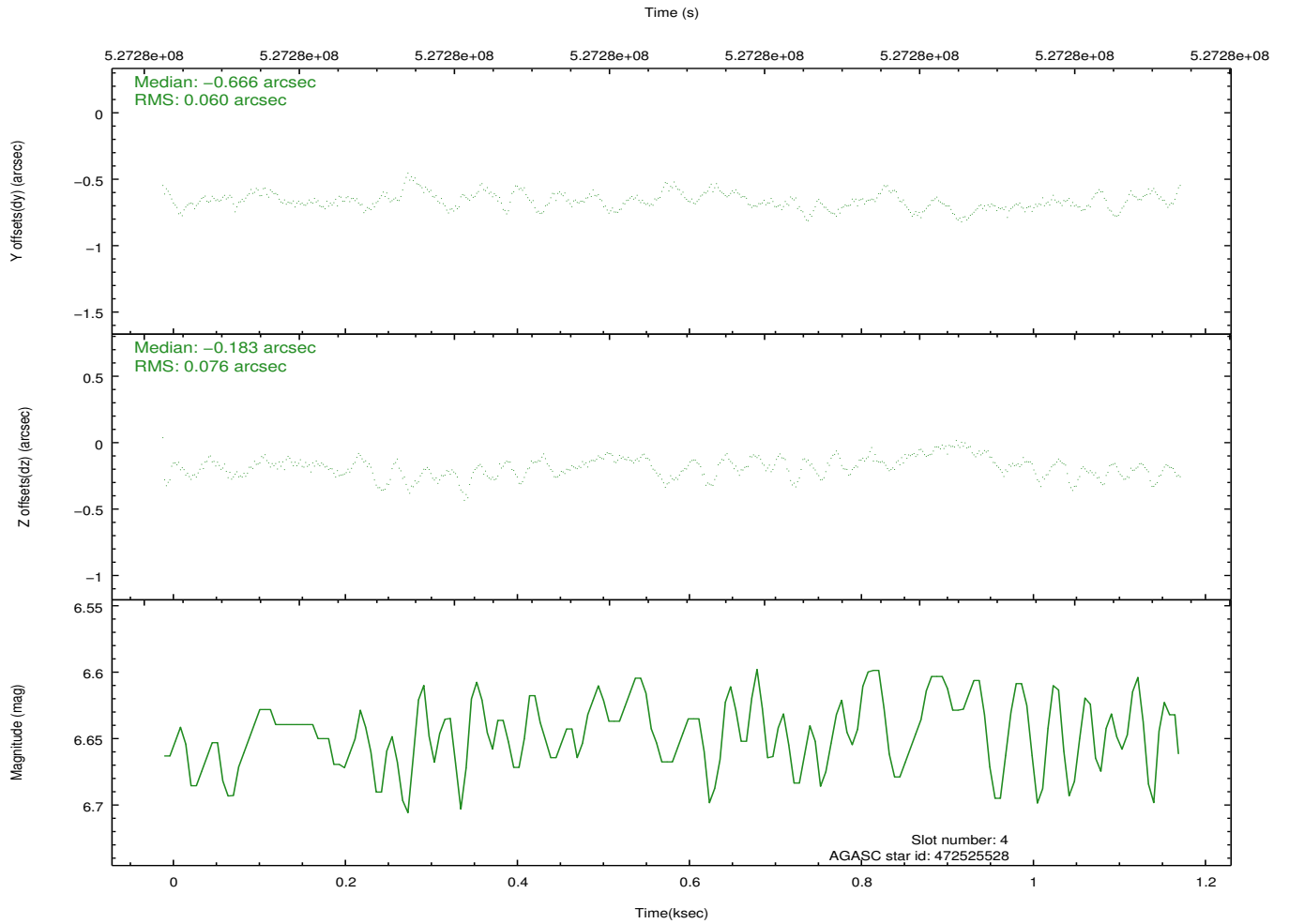
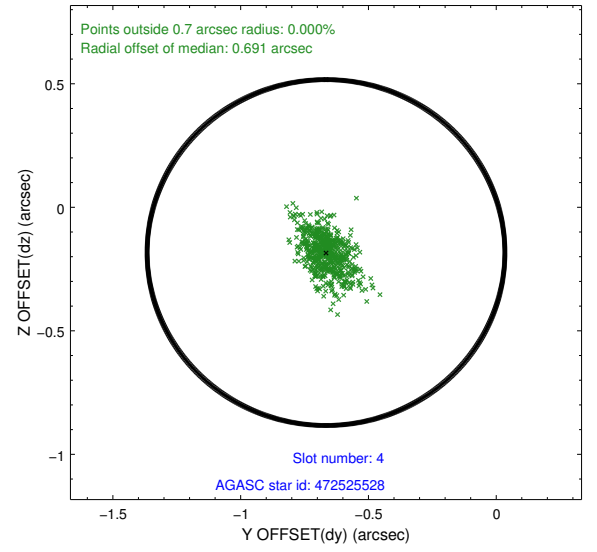
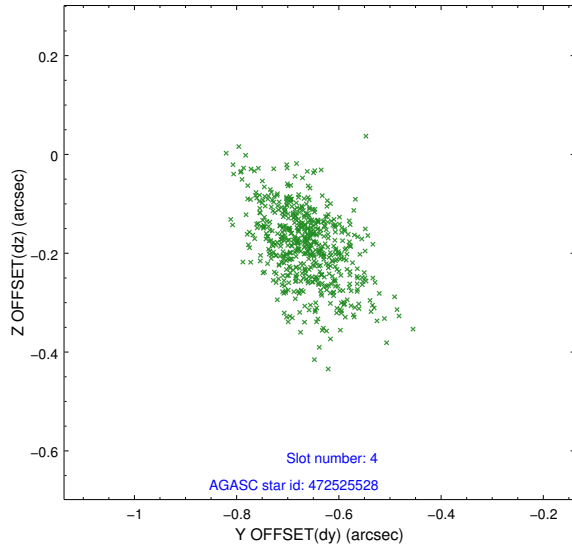
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	289	-0.020	-0.204	0.009	0.013	0.000000	0.000000	-1184.04	-469.36
1	FID	HRC-S-2	7.04	289	0.364	-0.136	0.005	0.010	0.000000	0.000000	1211.90	-463.43
2	FID	HRC-S-3	7.07	288	0.046	0.039	0.009	0.013	0.000000	0.000000	-1182.54	558.80
3	GUIDE	472523760	8.22	578	-0.161	-0.293	0.081	0.127	331.645363	45.403260	1575.24	501.04
4	GUIDE	472525528	6.65	578	-0.666	-0.183	0.097	0.179	331.551102	45.248694	2054.01	875.24
5	GUIDE	472533912	9.15	577	0.319	0.297	0.168	0.259	331.791136	46.368695	-407.90	-2371.72
6	GUIDE	472655152	9.42	578	0.153	-0.186	0.173	0.265	332.504239	45.862991	-1114.29	69.46
7	GUIDE	472665256	8.98	576	0.353	0.373	0.104	0.193	332.808125	46.195041	-2346.92	-625.28

2.4 Star Slots

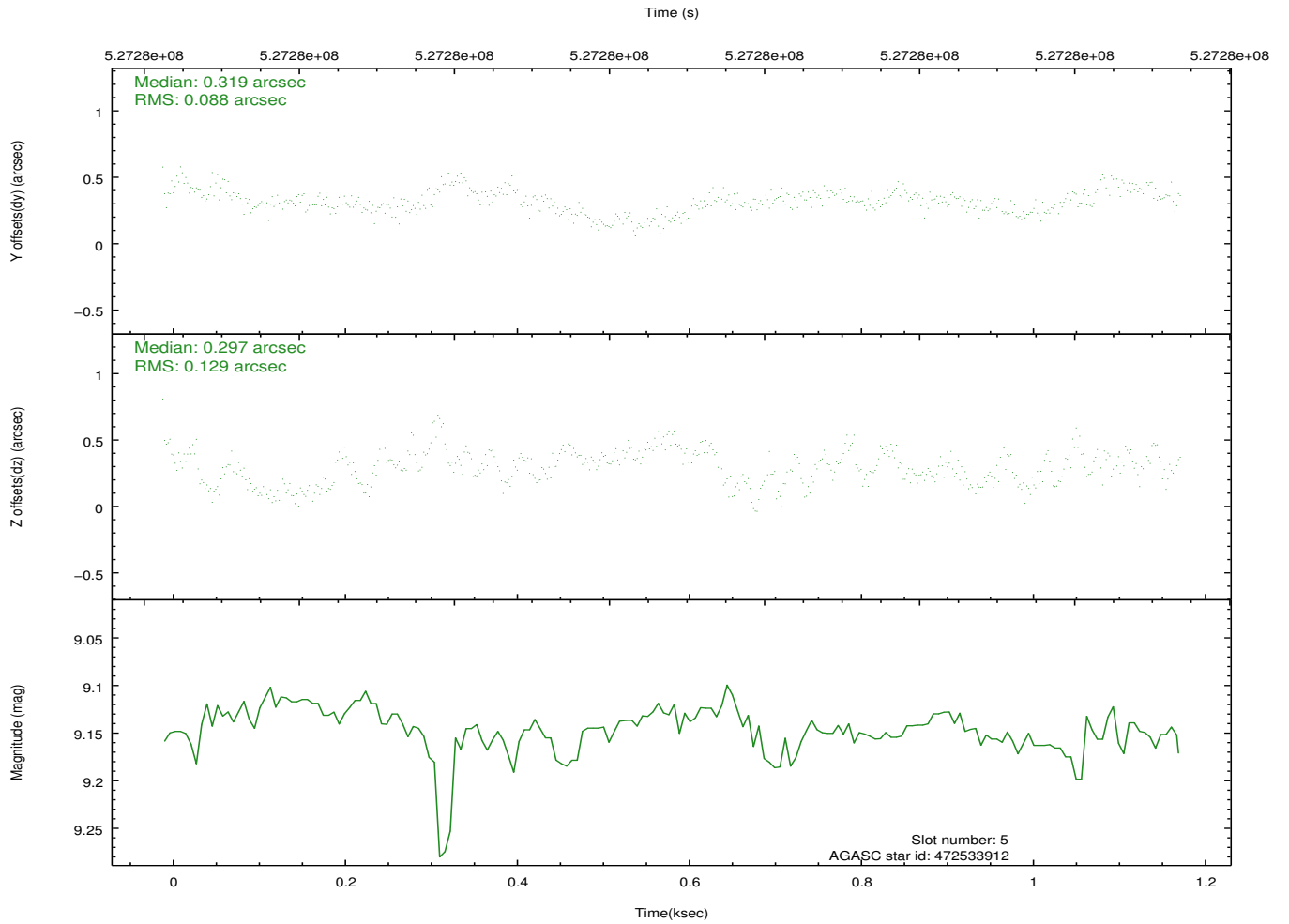
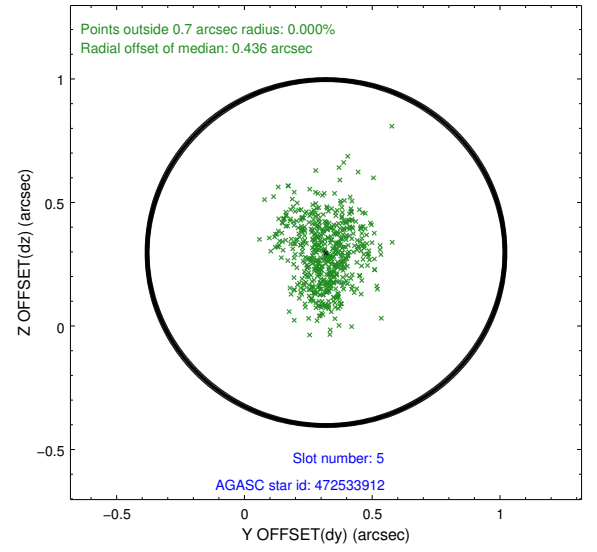
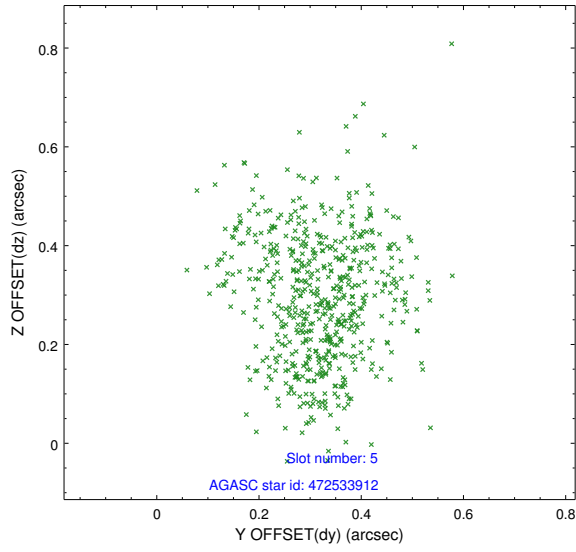
2.4.1 Slot 3



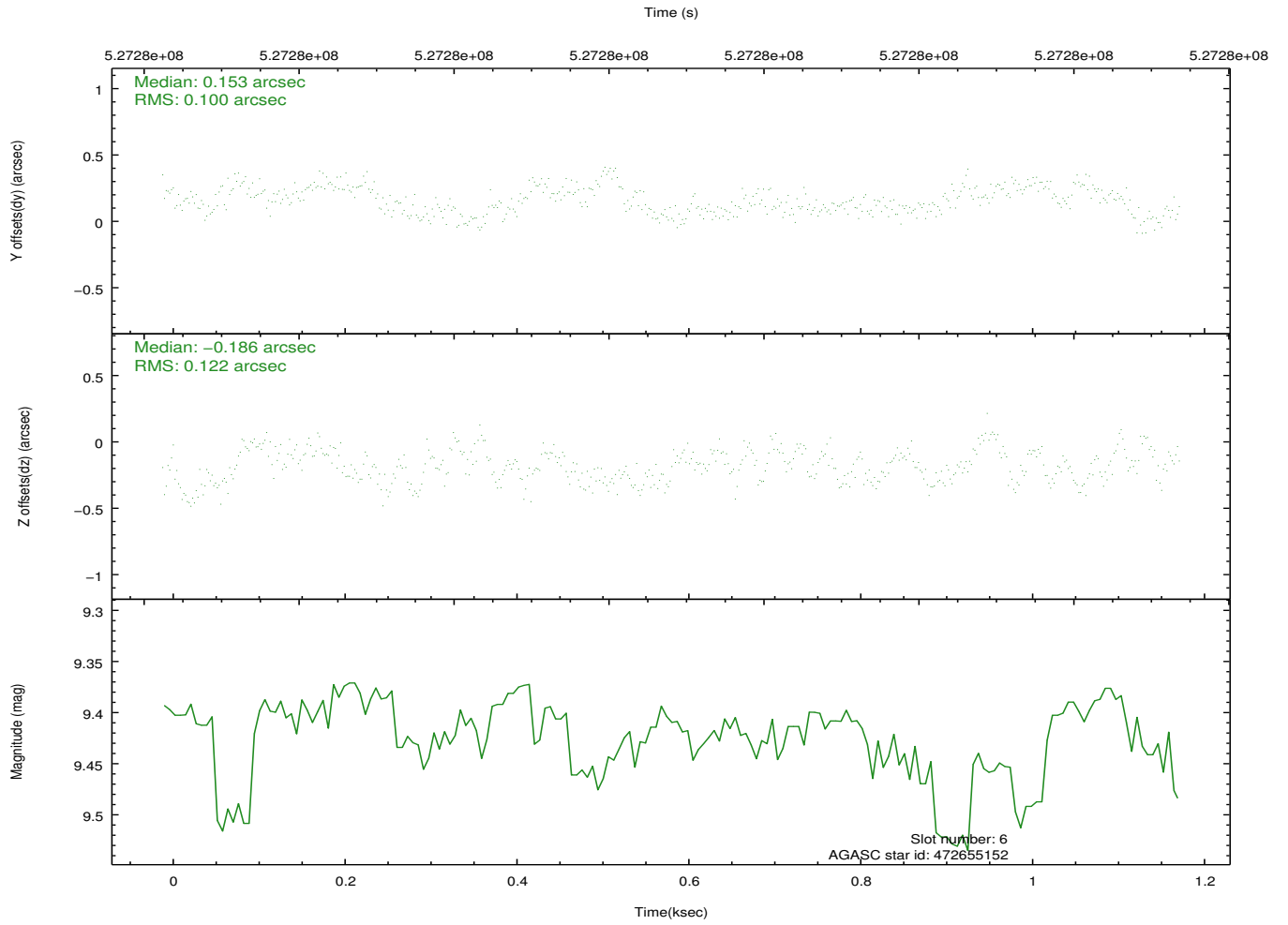
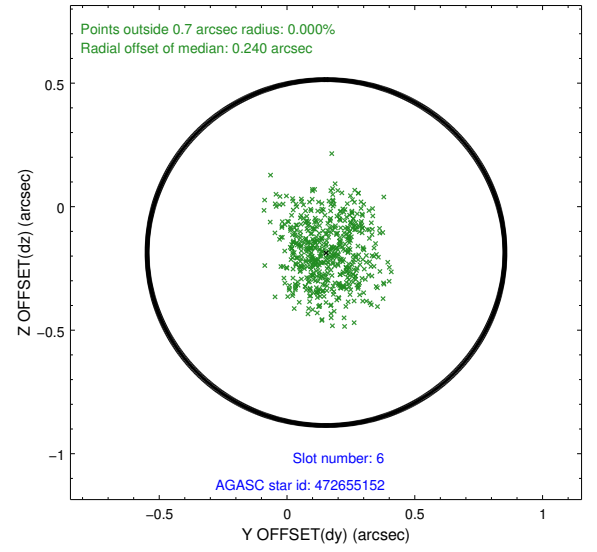
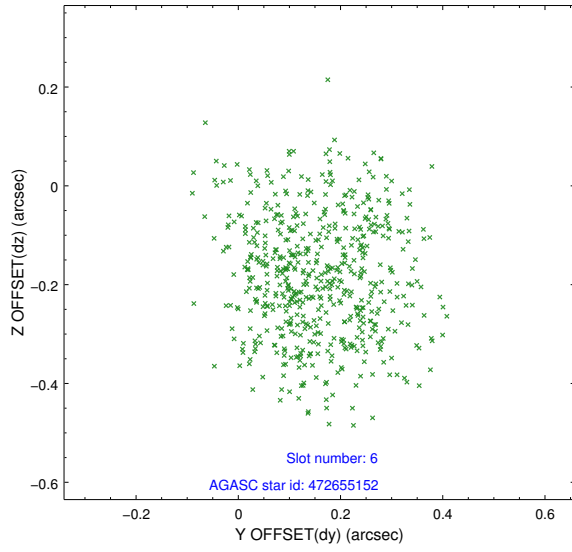
2.4.2 Slot 4



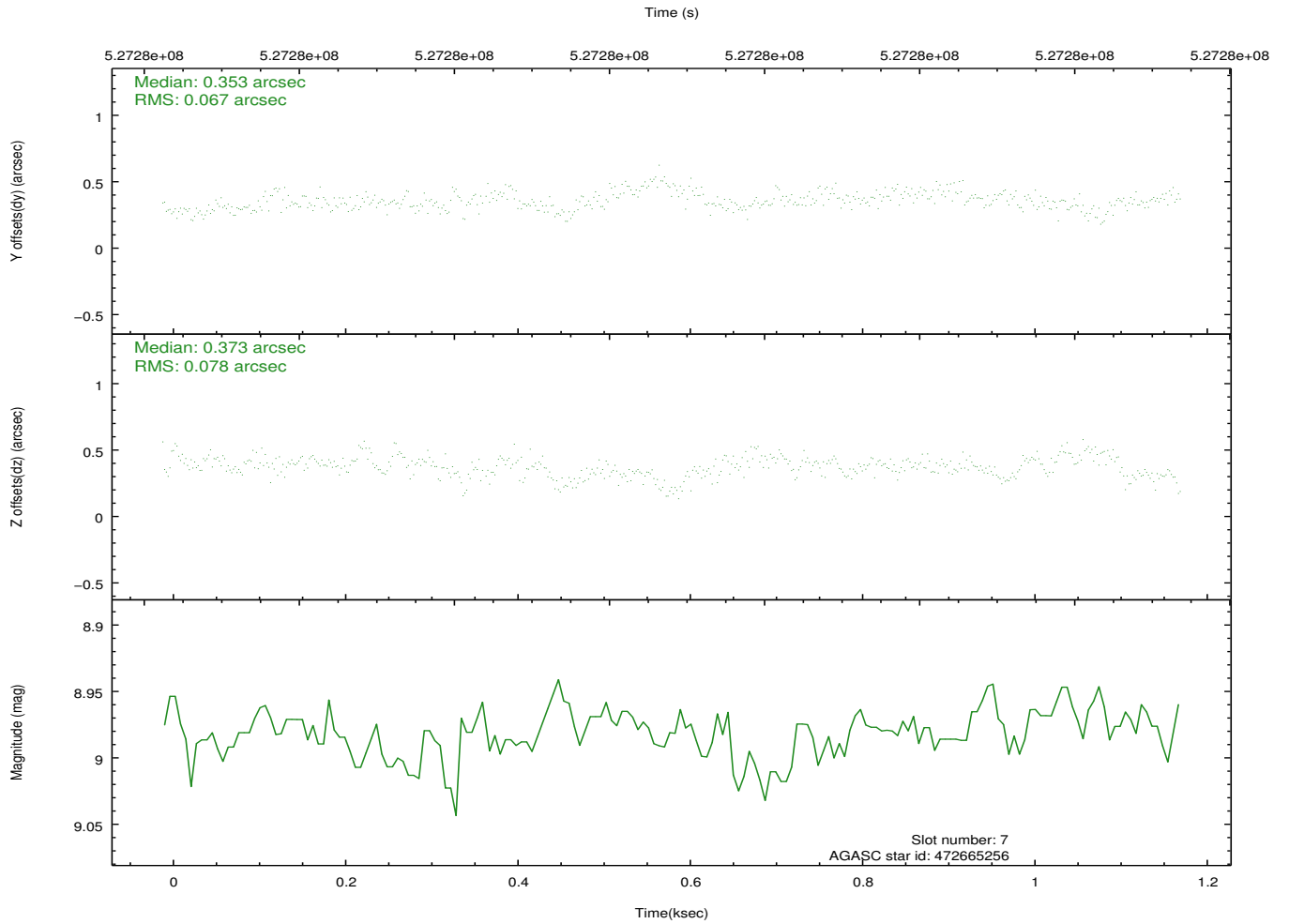
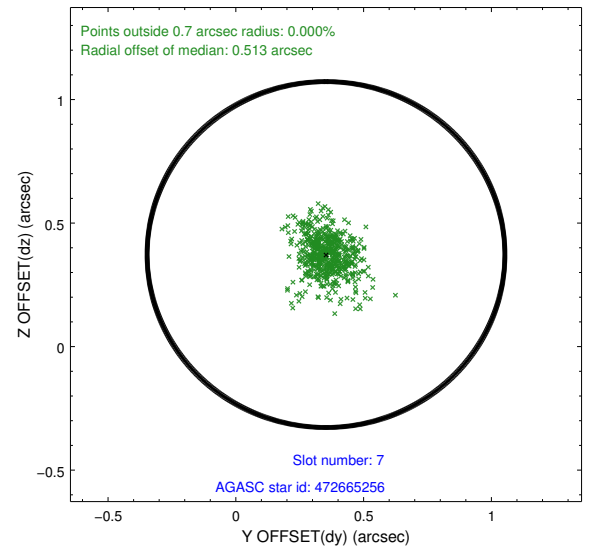
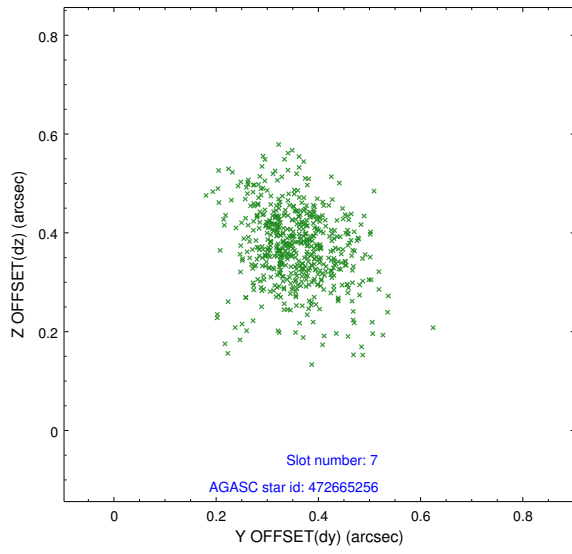
2.4.3 Slot 5



2.4.4 Slot 6

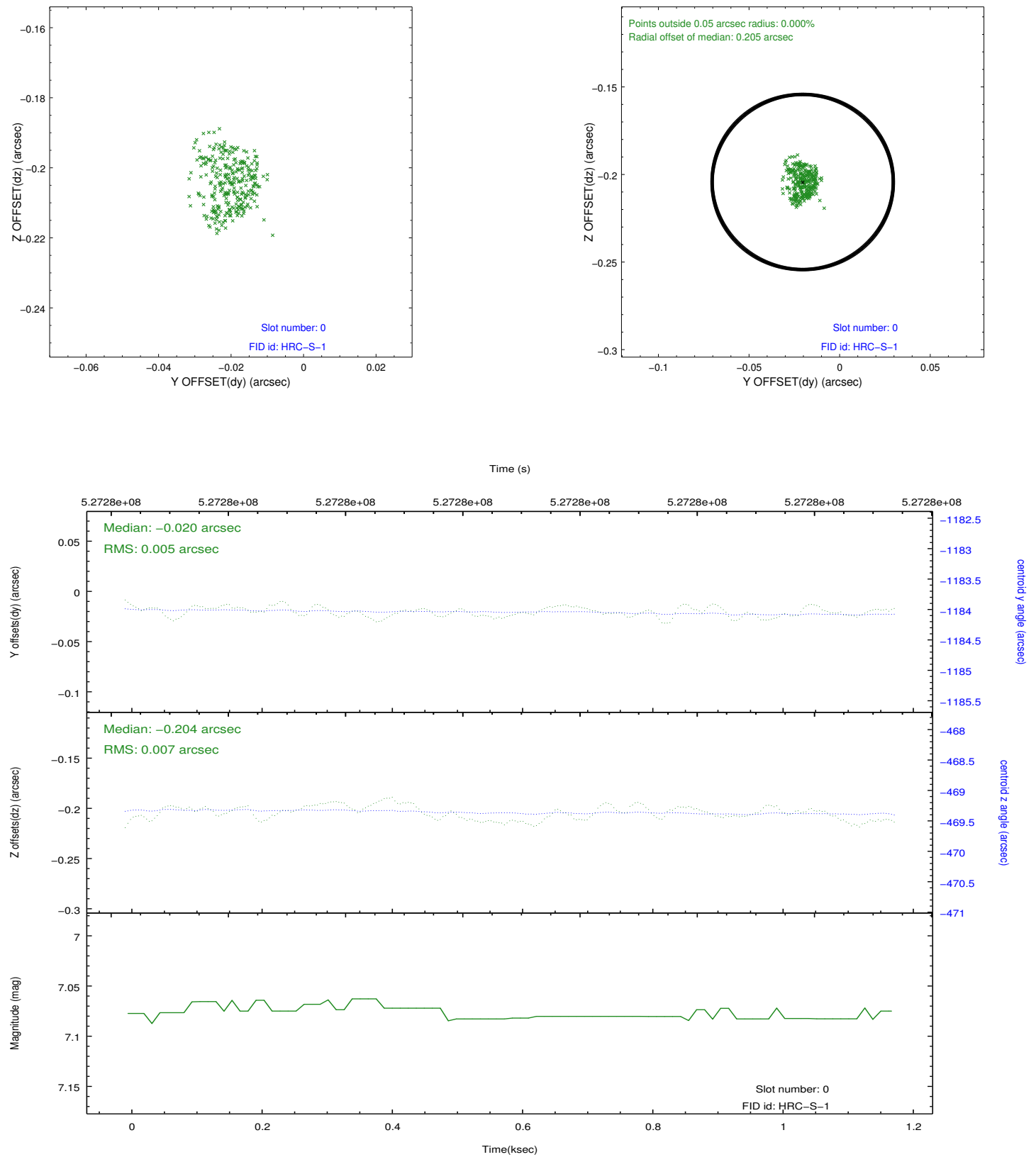


2.4.5 Slot 7

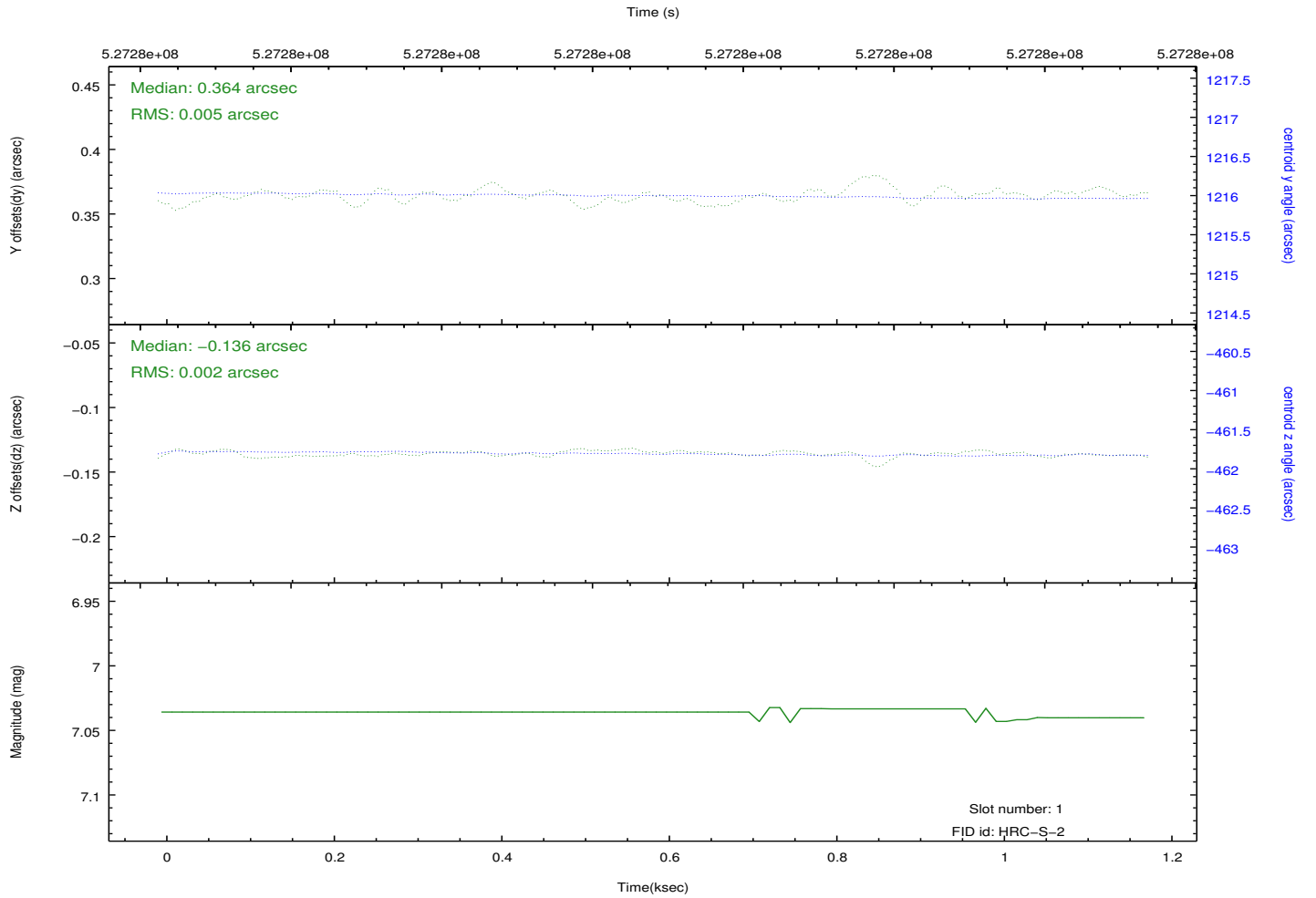
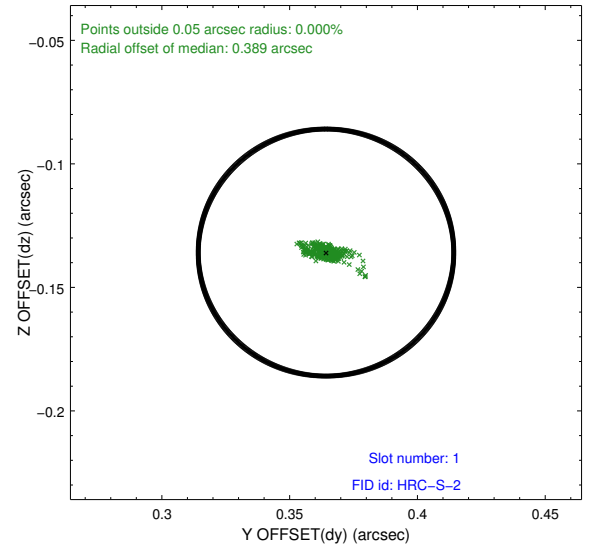
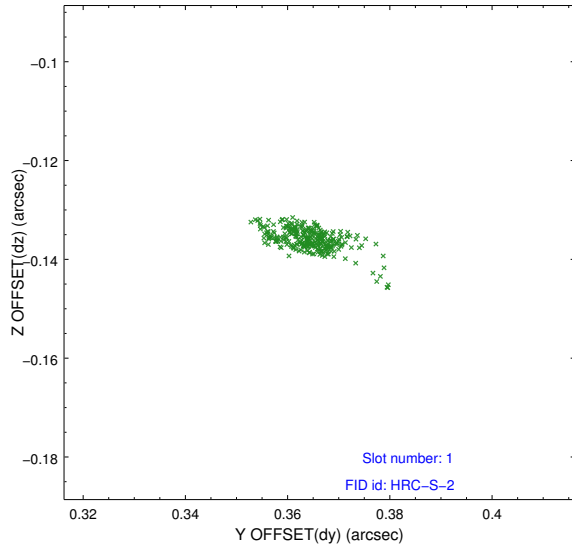


2.5 FID Slots

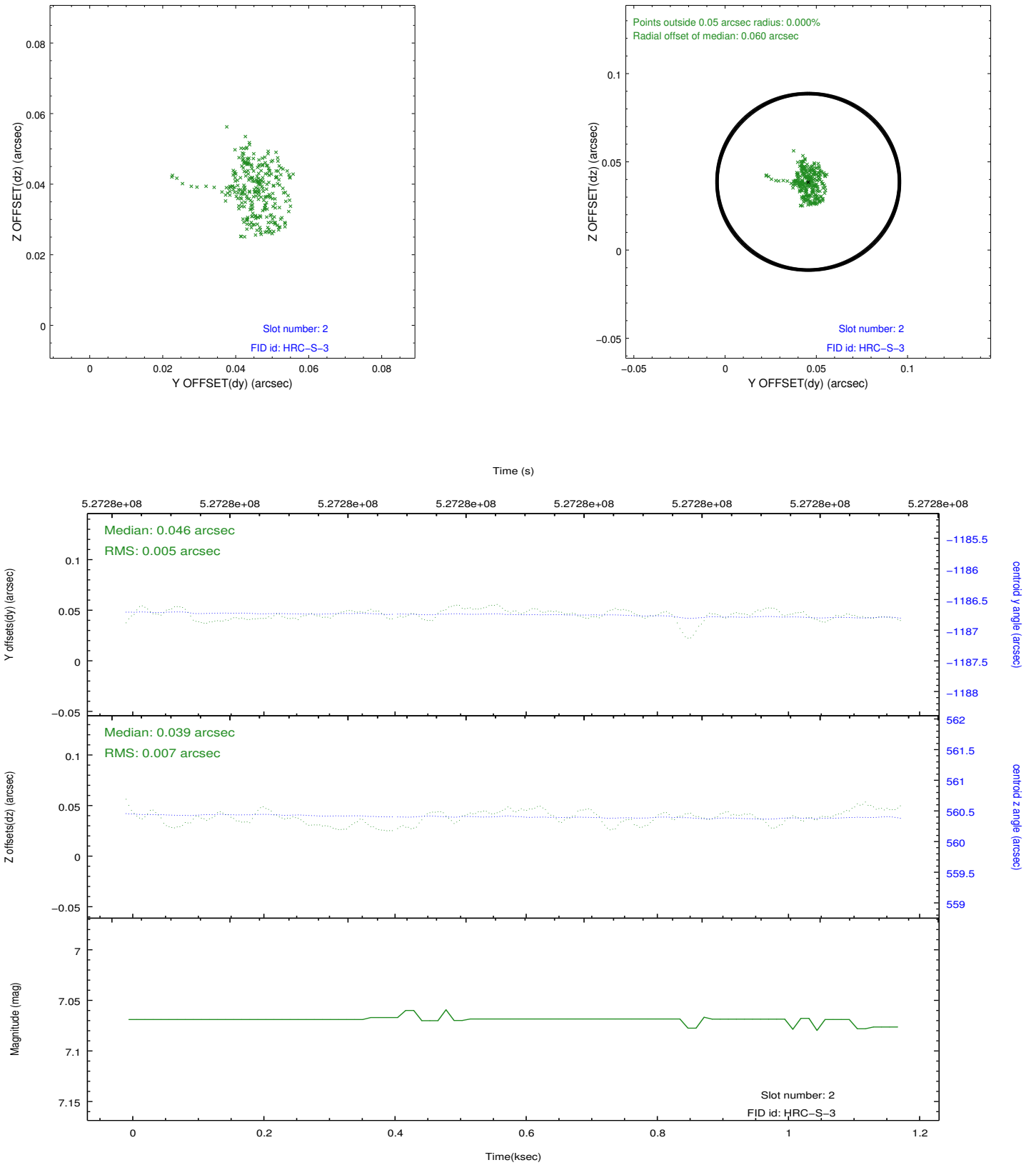
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813140988

A.2 Comments