

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17367 - L2 Version 1
Chandra X-Ray Center

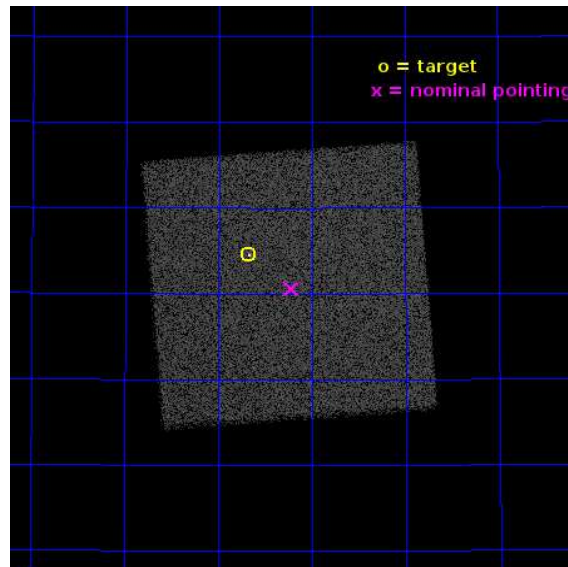
L2 Processing Date : Sep 27 2015

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1 Front

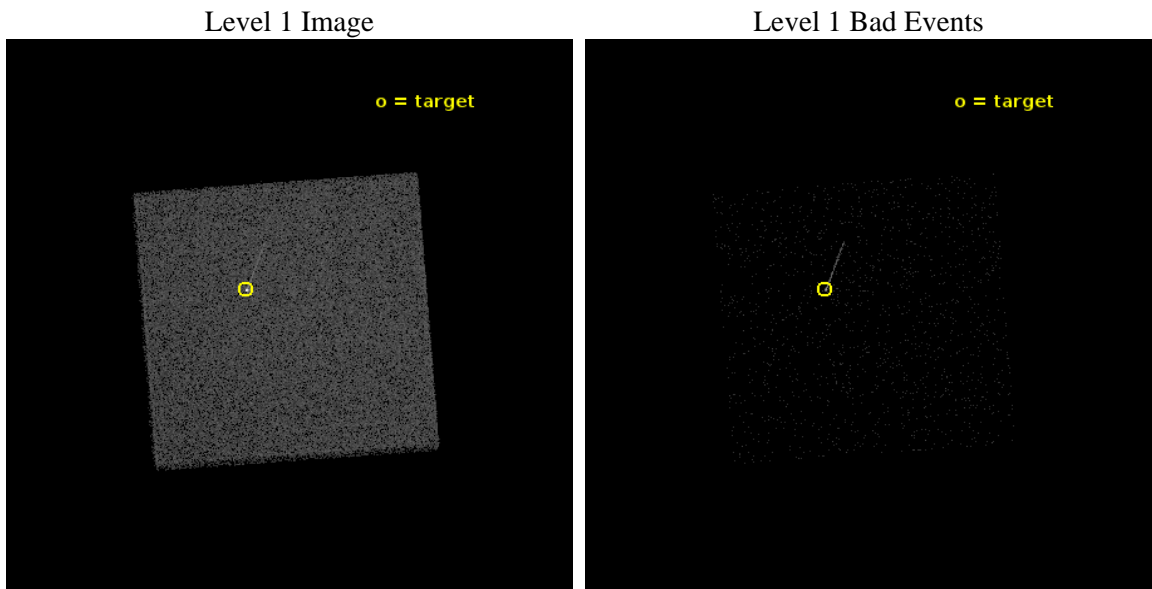
seq_num	291240	Sequence number
obs_id	17367	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.05536196462	Nominal RA [deg]
dec_nom	45.67647278828	Nominal Dec [deg]
roll_nom	220.65399703314	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813168287	[s]
livetime	1171.5062451604	Ontime multiplied by DTCOR
l2events	87248	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	10.4.1	Processing system revision	ontime	1182.0813168287	[s]
caldbver	4.6.8	 	l1events	147340	Number of level 1 events
date	2015-09-27T05:24:54	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

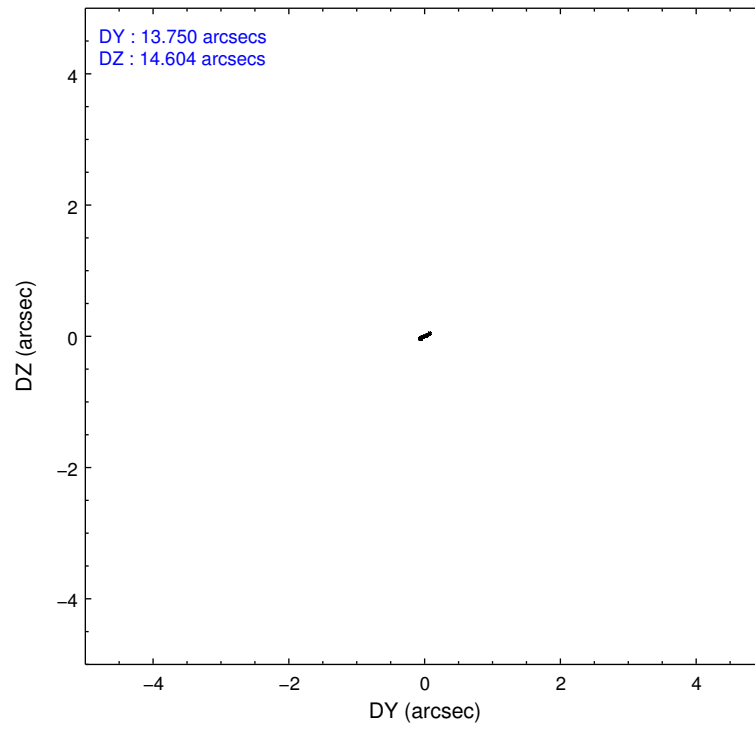
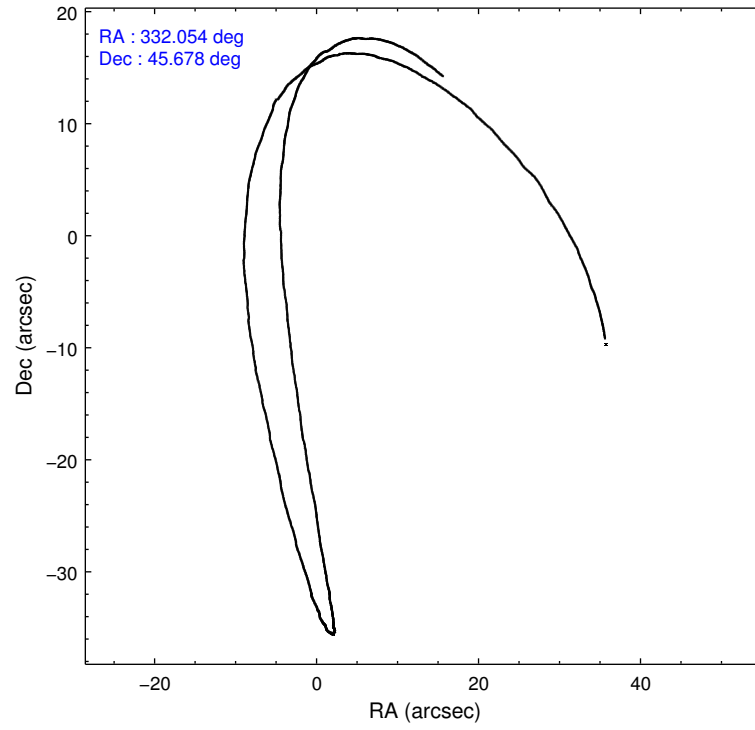
Level 1 Events

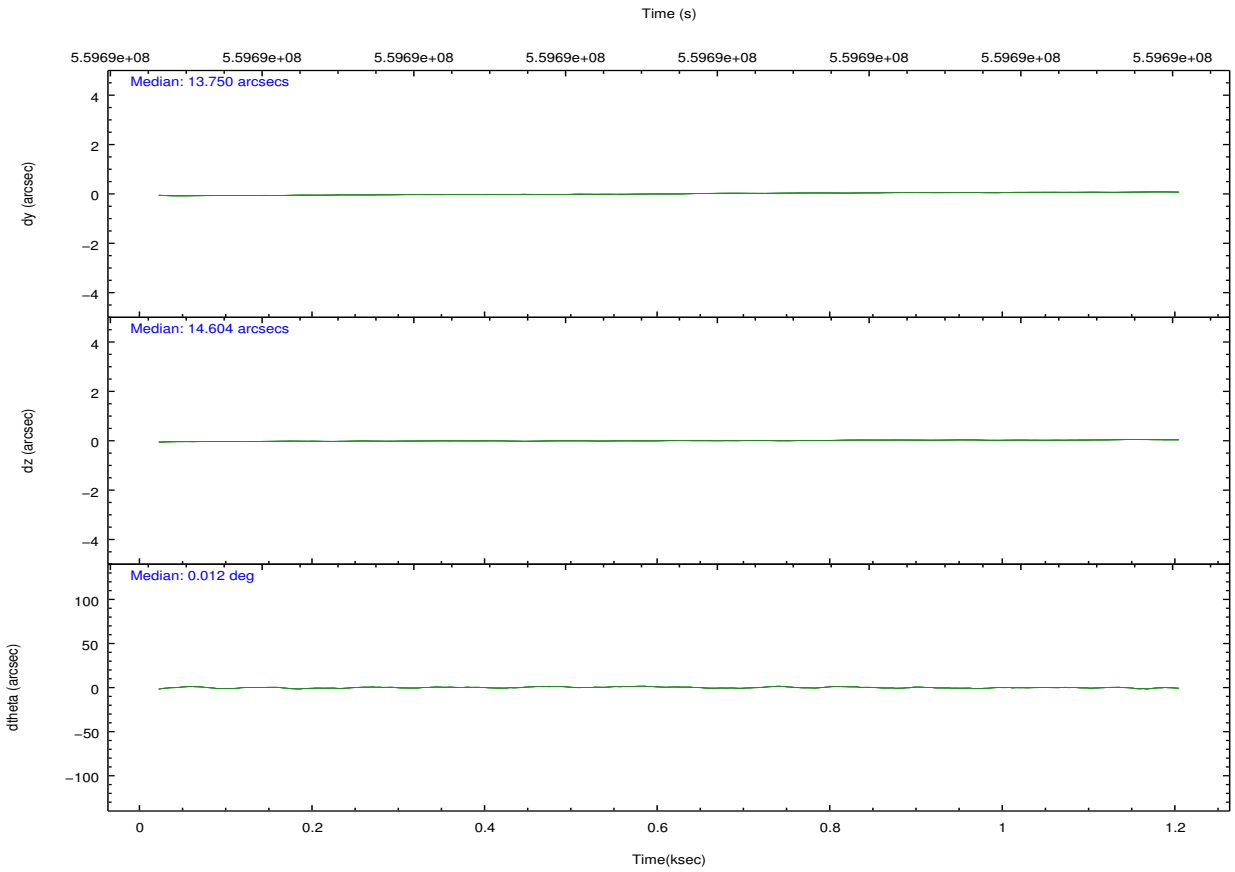
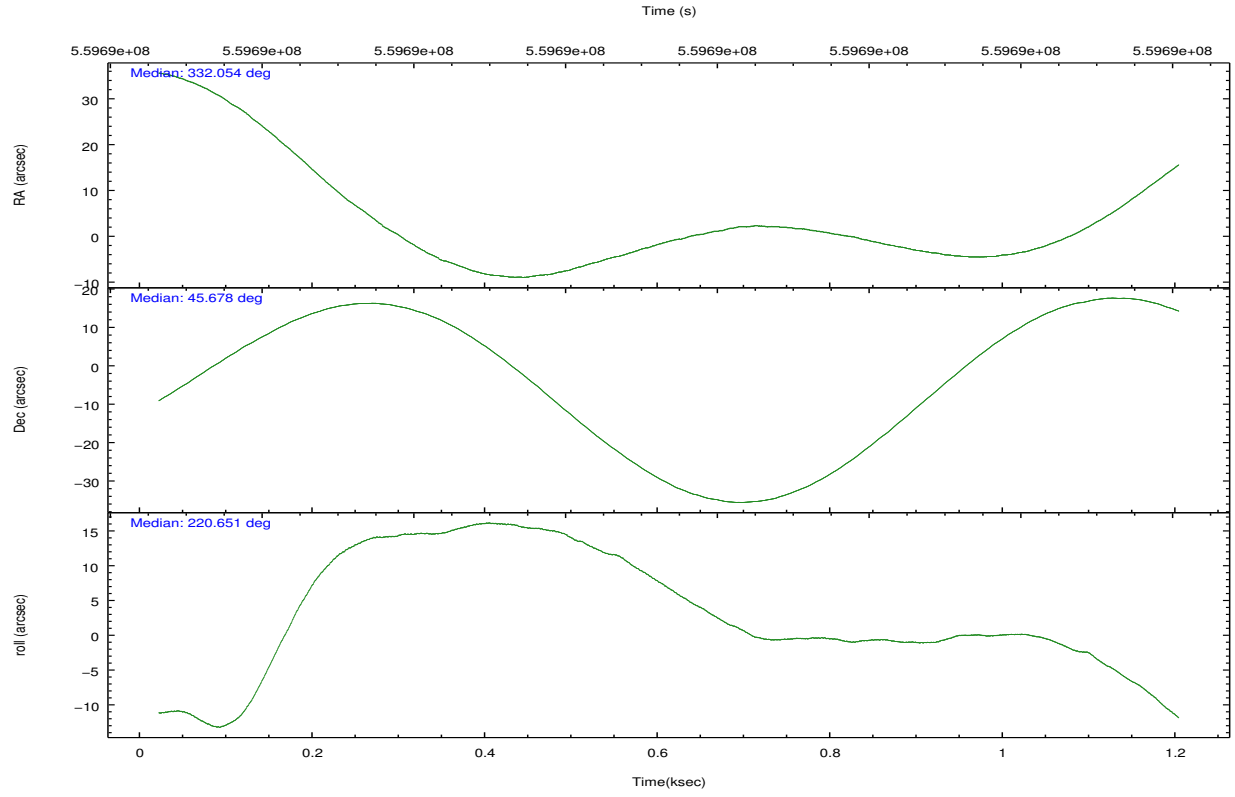
	segment 0
level 1 events	147340
rejected events	32116
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.067770	332.055361964622			
[deg] Pointing Dec	45.701574	45.67647278827975			
[deg] Pointing Roll	220.740523	220.6539970331431			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	559693132.184000	559692756.49479			
Observation start date	2015-09-26T22:17:44	2015-09-26T22:12:36			
[s] Observation end time (MET)	559694132.184000	559694266.31988			
Observation end date	2015-09-26T22:34:24	2015-09-26T22:37:46			

2.3 Aspect



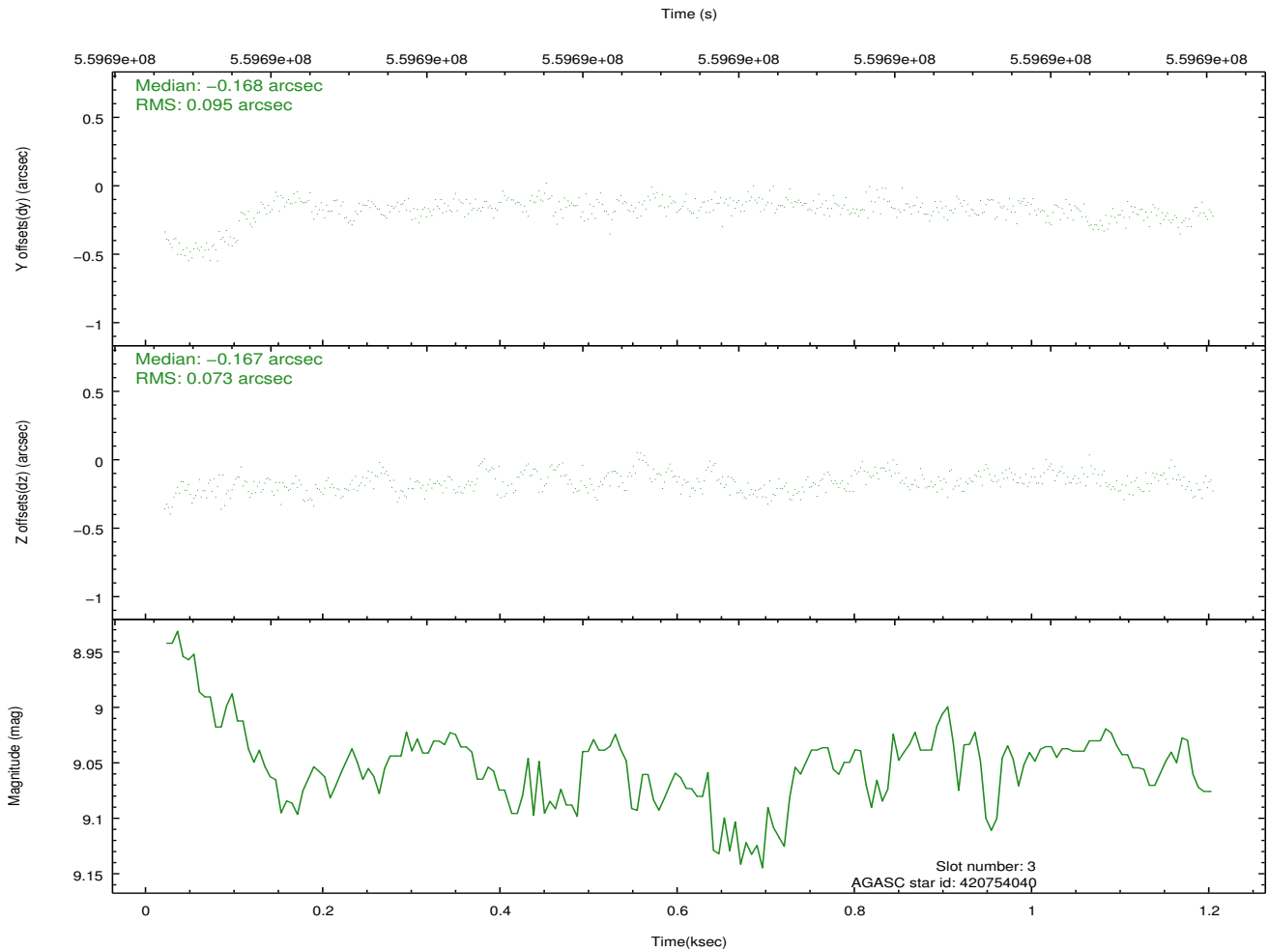
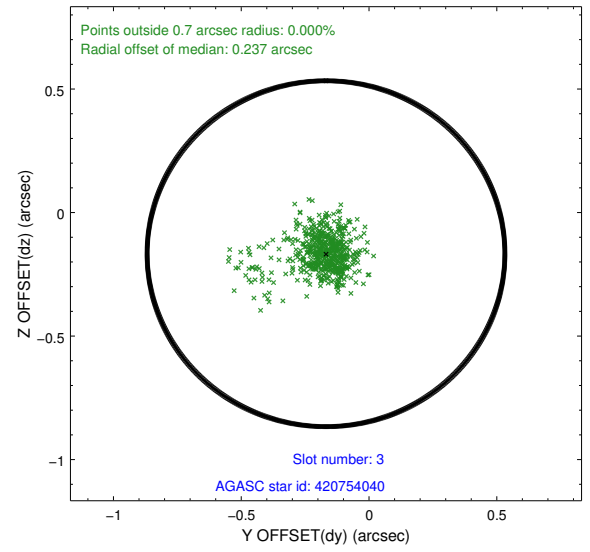
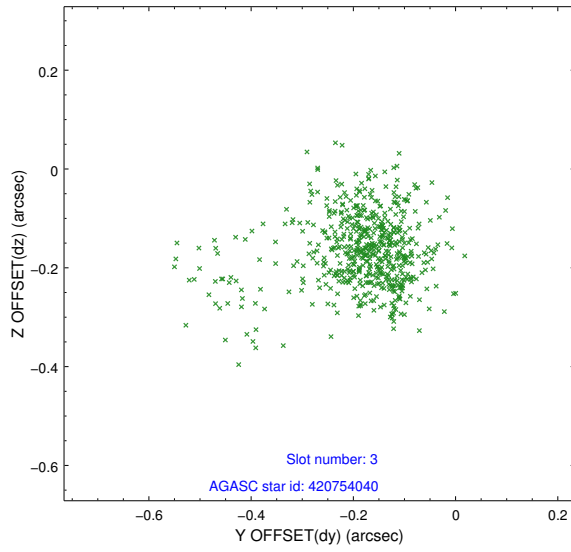


Slot Statistics

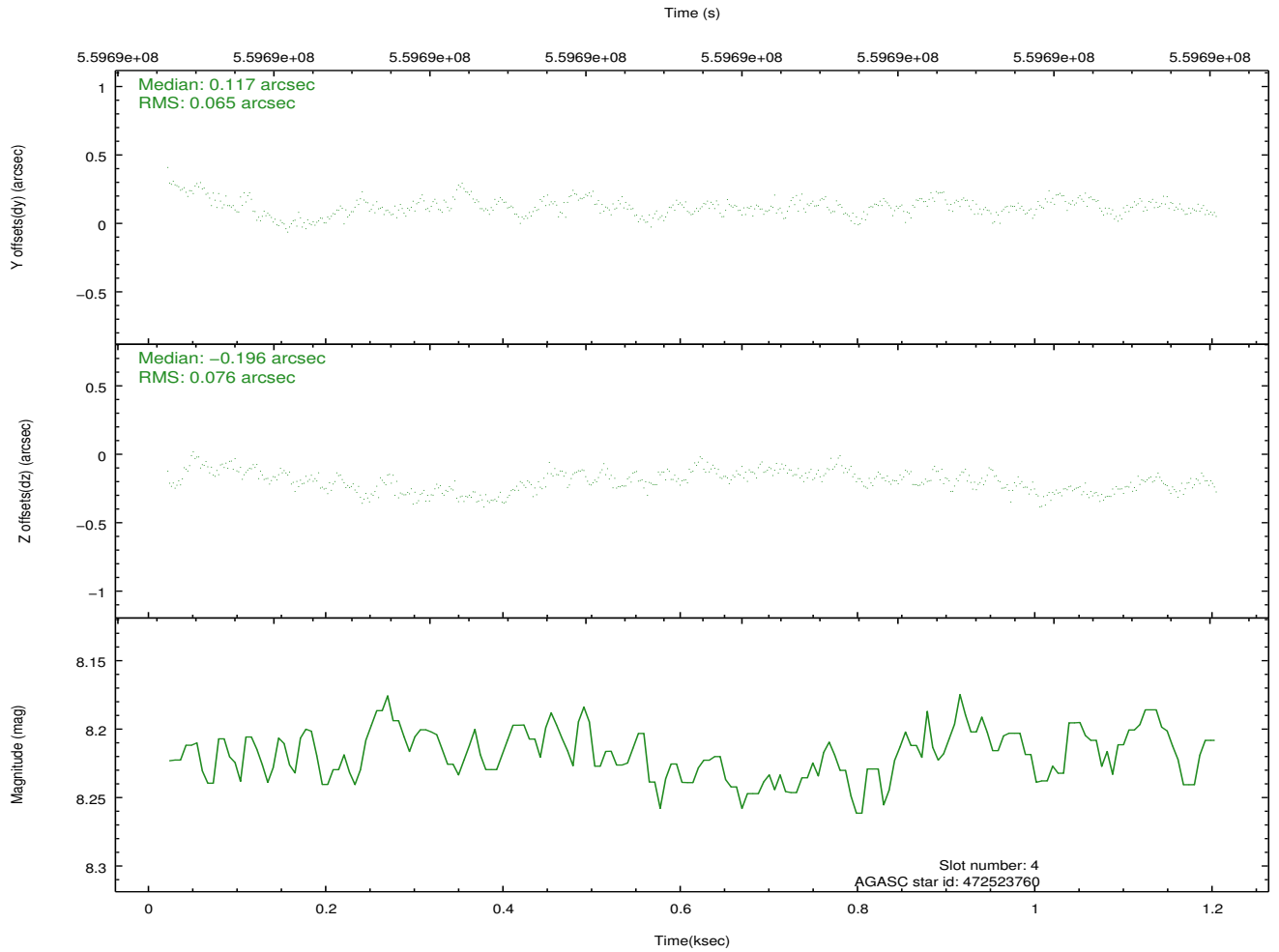
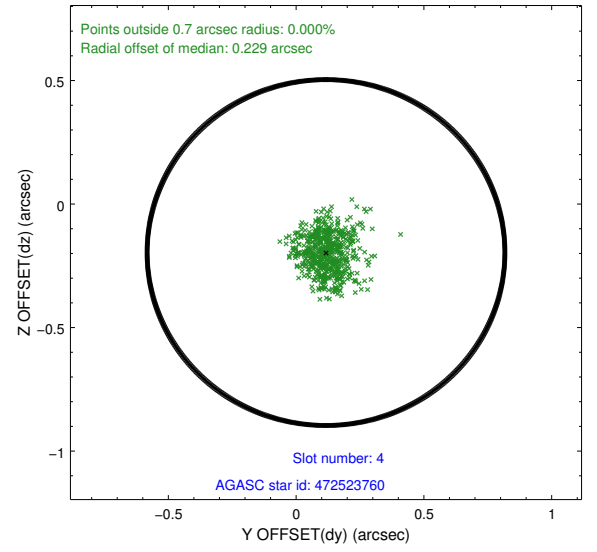
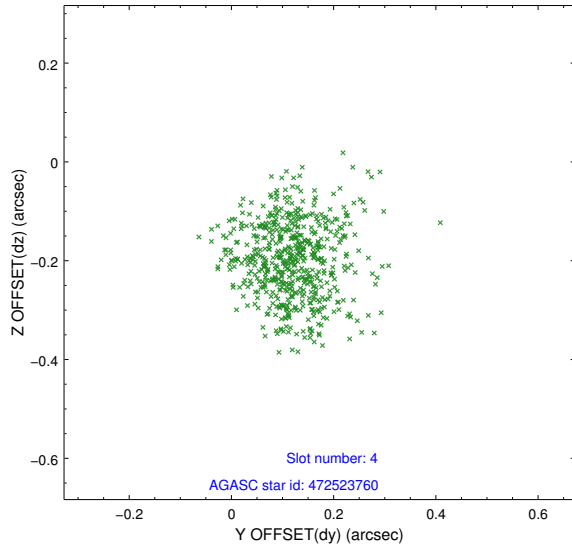
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	289	-0.283	-0.131	0.006	0.009	0.000000	0.000000	-769.89	-1302.75
1	FID		HRC-I-2	7.03	289	0.270	-0.051	0.006	0.012	0.000000	0.000000	840.63	-1308.86
2	FID		HRC-I-4	7.01	289	0.128	0.090	0.006	0.010	0.000000	0.000000	1276.37	994.97
3	GUIDE	used	420754040	9.05	577	-0.168	-0.167	0.109	0.266	331.917939	44.882543	2213.65	1987.89
4	GUIDE	used	472523760	8.22	578	0.117	-0.196	0.106	0.172	331.645363	45.403260	1514.05	120.92
5	GUIDE	used	472525528	6.63	578	-0.285	0.012	0.099	0.170	331.551102	45.248694	2057.71	380.67
6	GUIDE	used	472533912	9.12	575	0.262	0.343	0.155	0.237	331.791136	46.368695	-1041.67	-2265.21
7	GUIDE	used	472655152	9.42	577	0.097	0.008	0.164	0.260	332.504239	45.862991	-1210.05	270.69

2.4 Star Slots

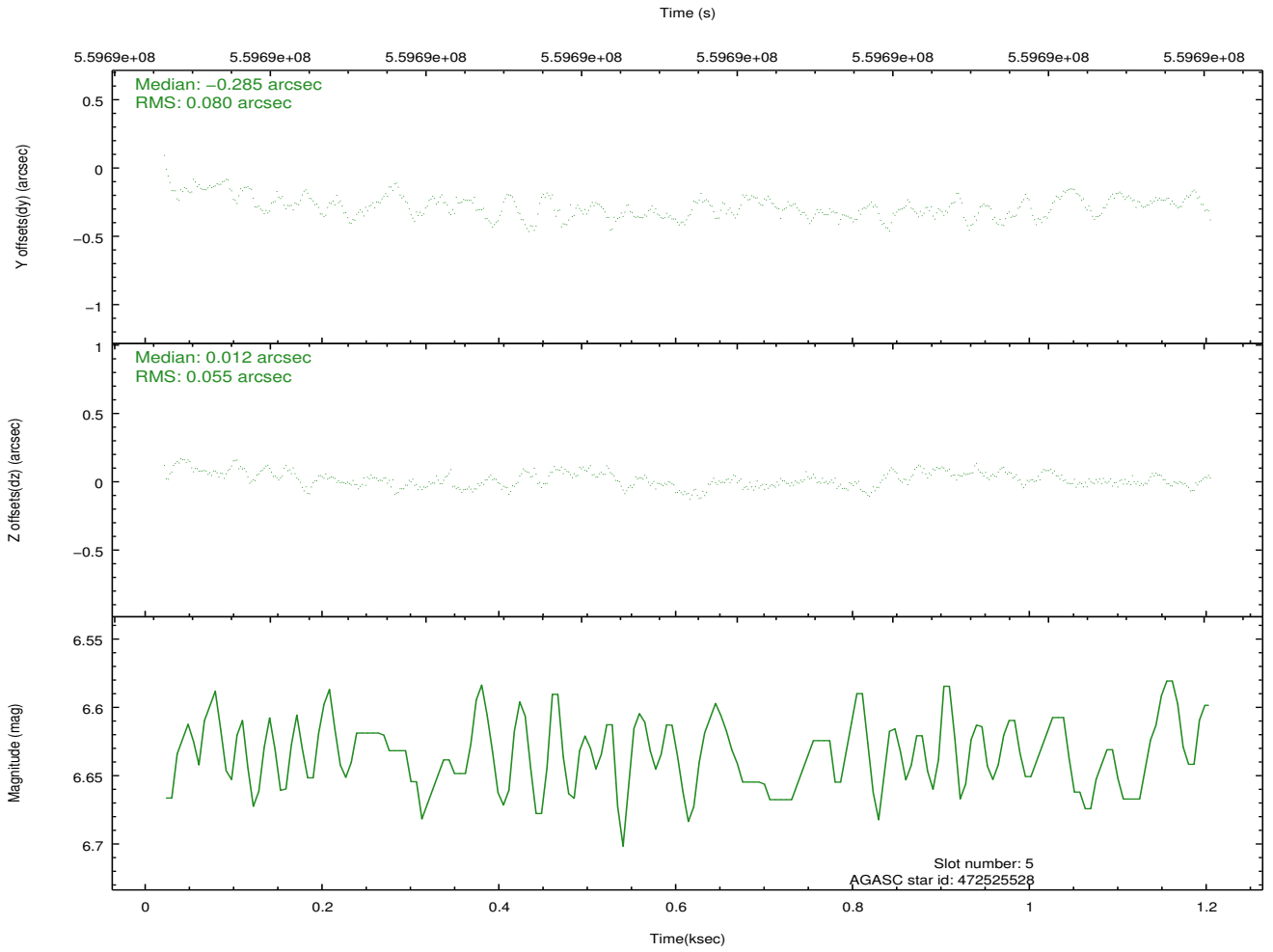
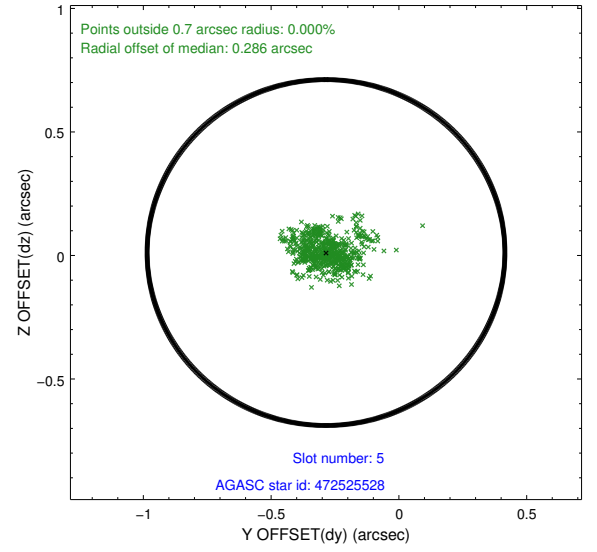
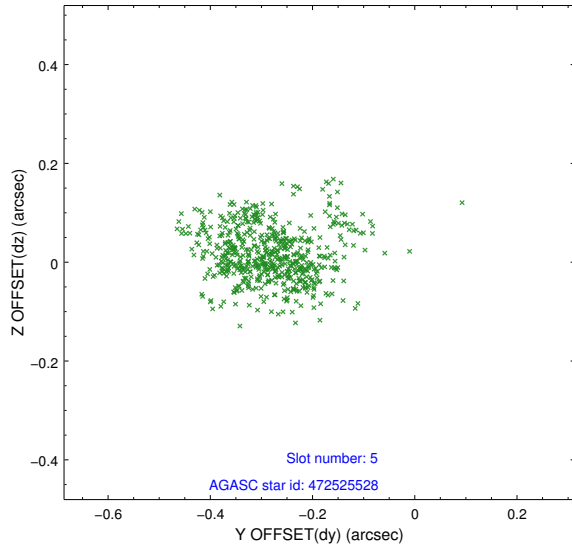
2.4.1 Slot 3



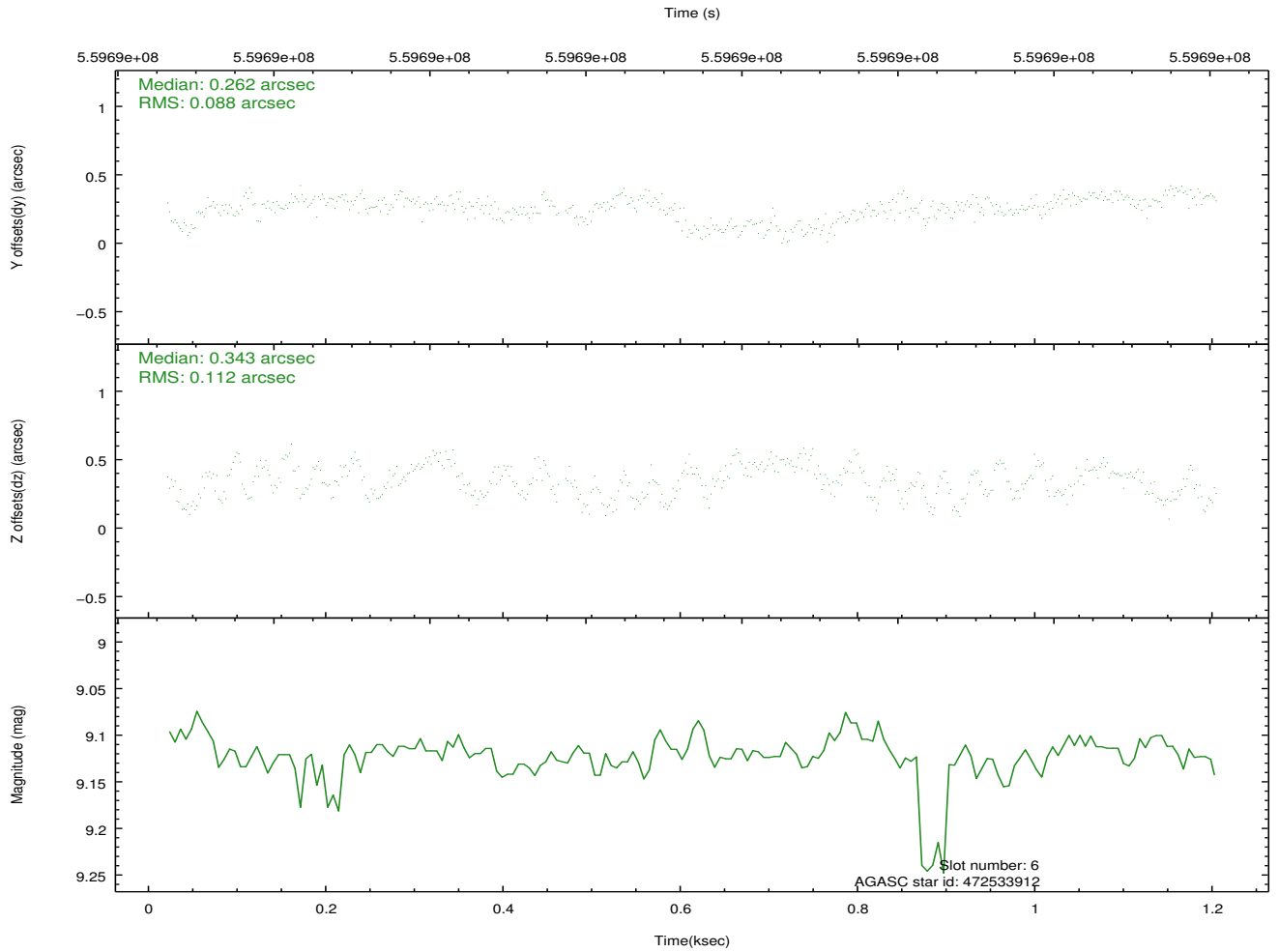
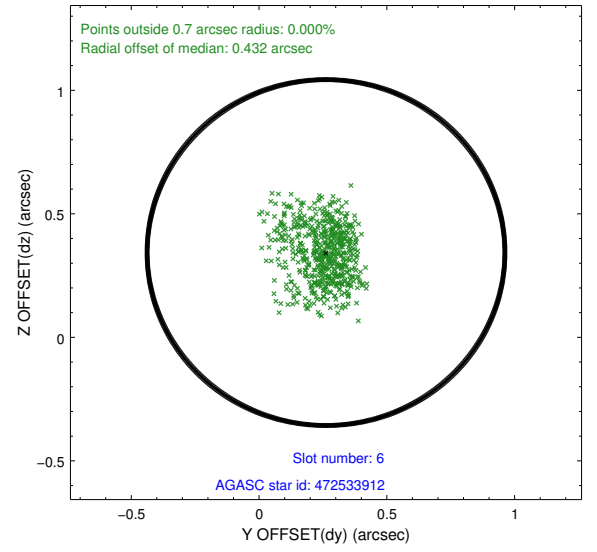
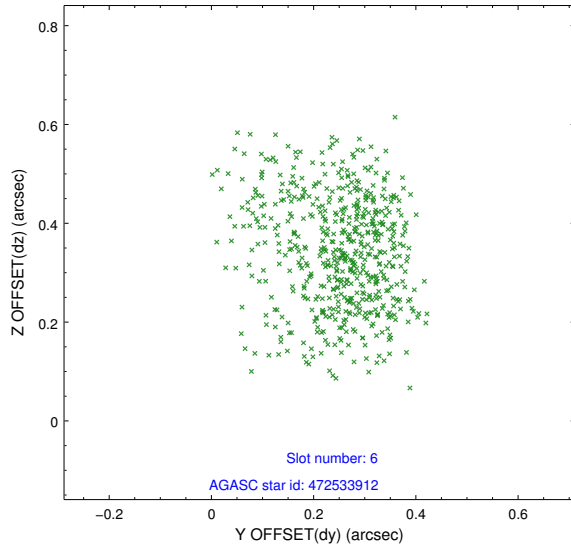
2.4.2 Slot 4



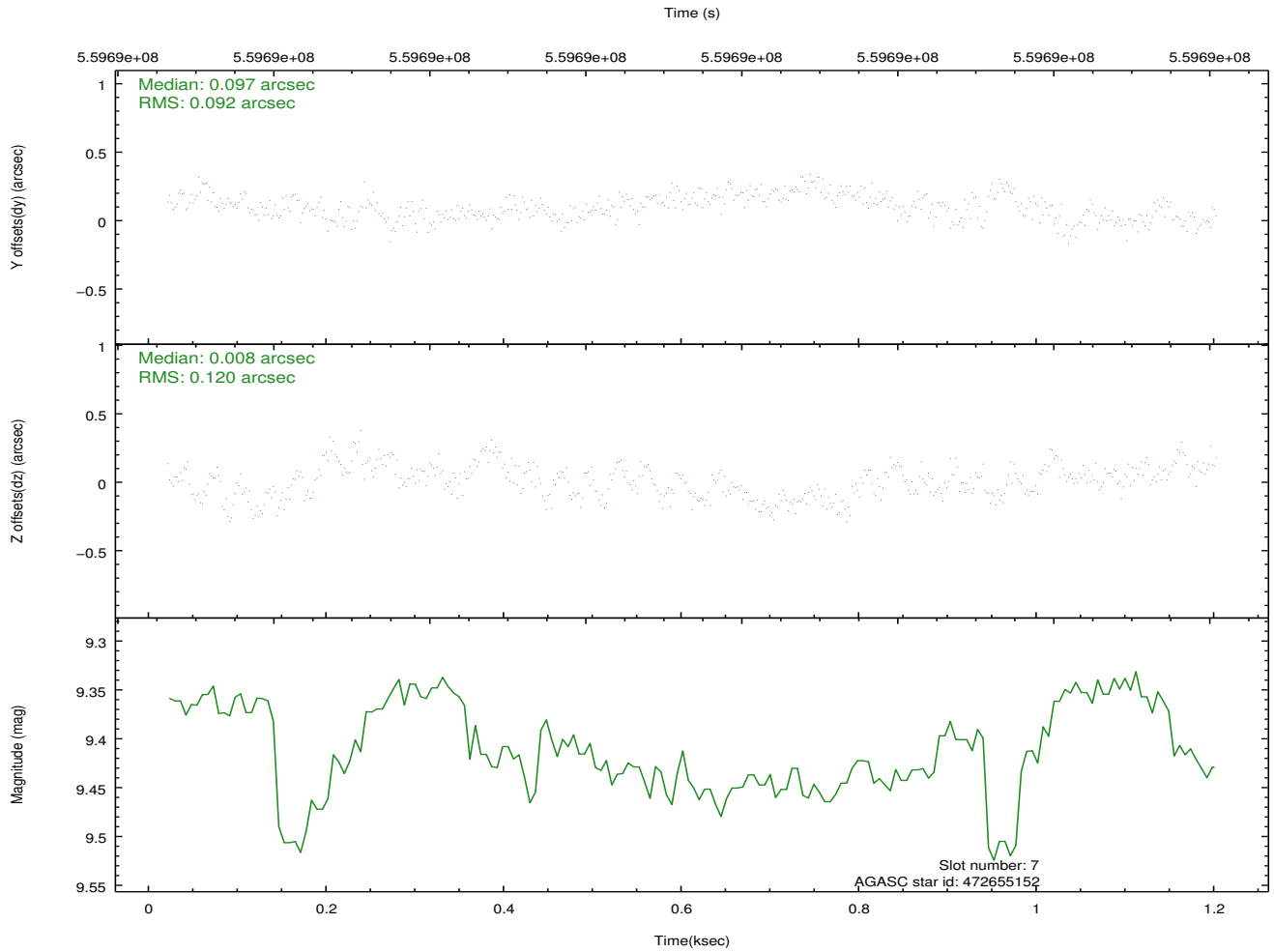
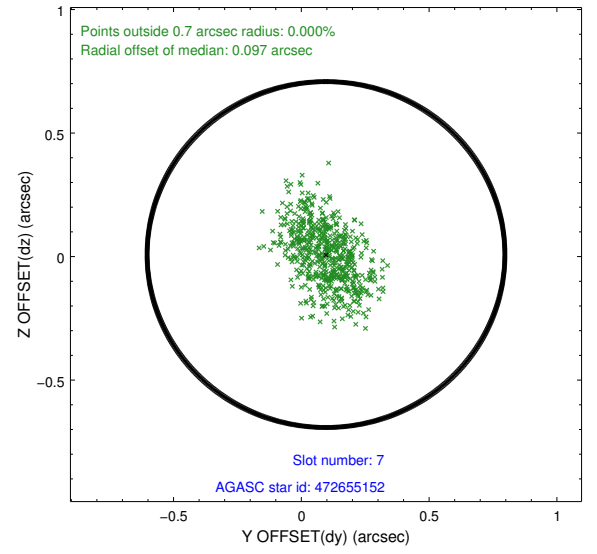
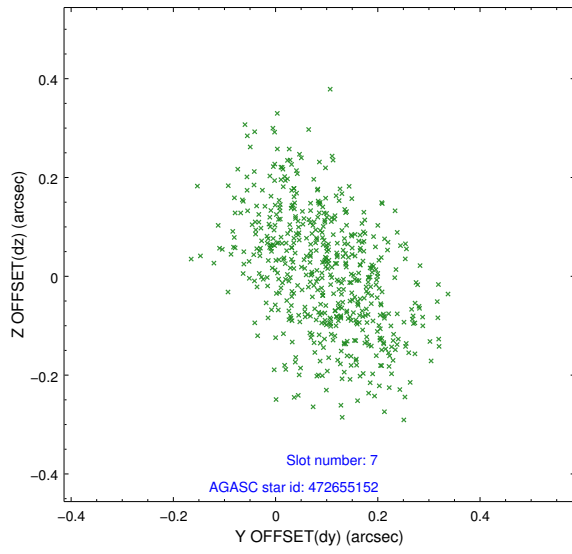
2.4.3 Slot 5



2.4.4 Slot 6

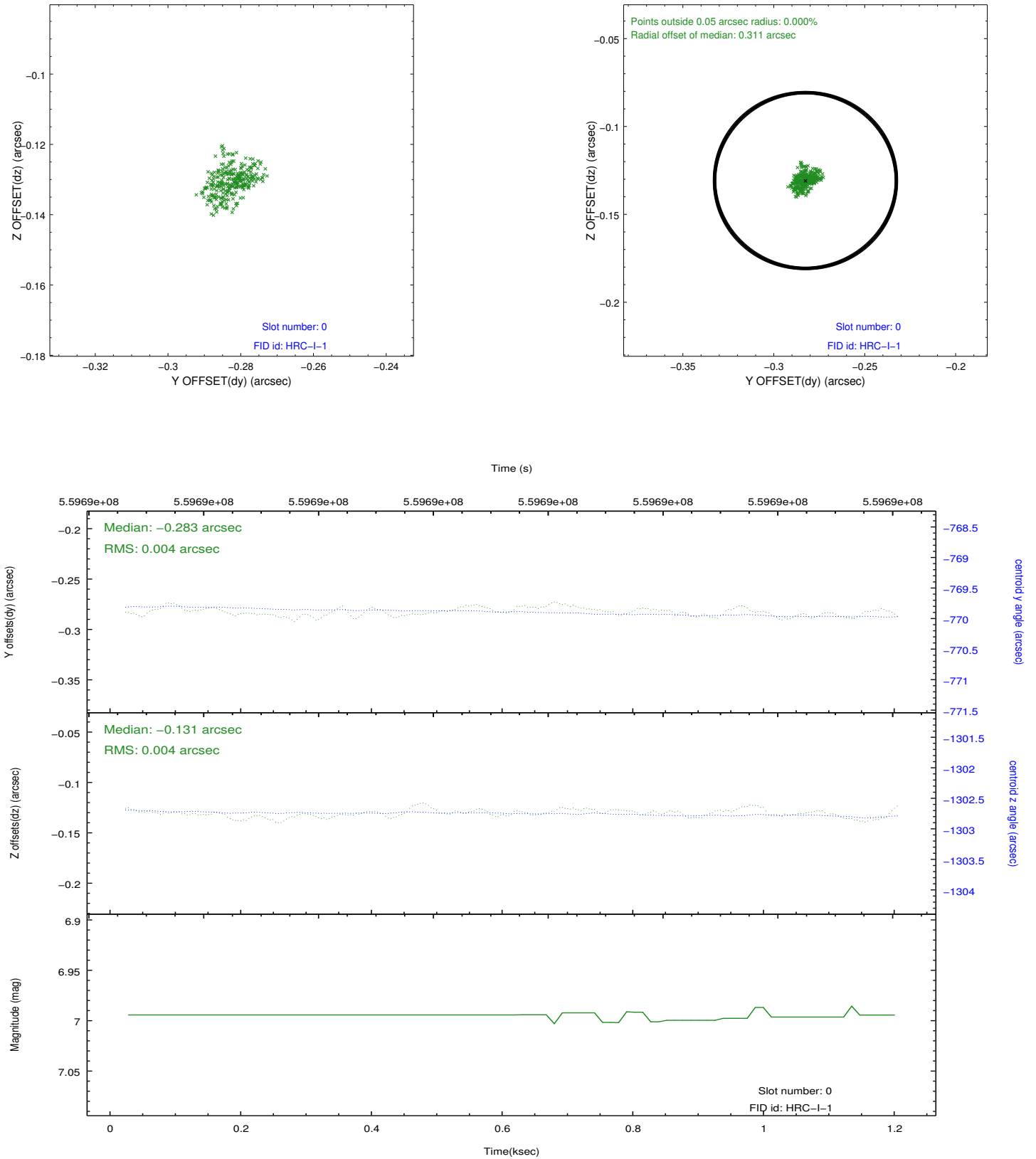


2.4.5 Slot 7

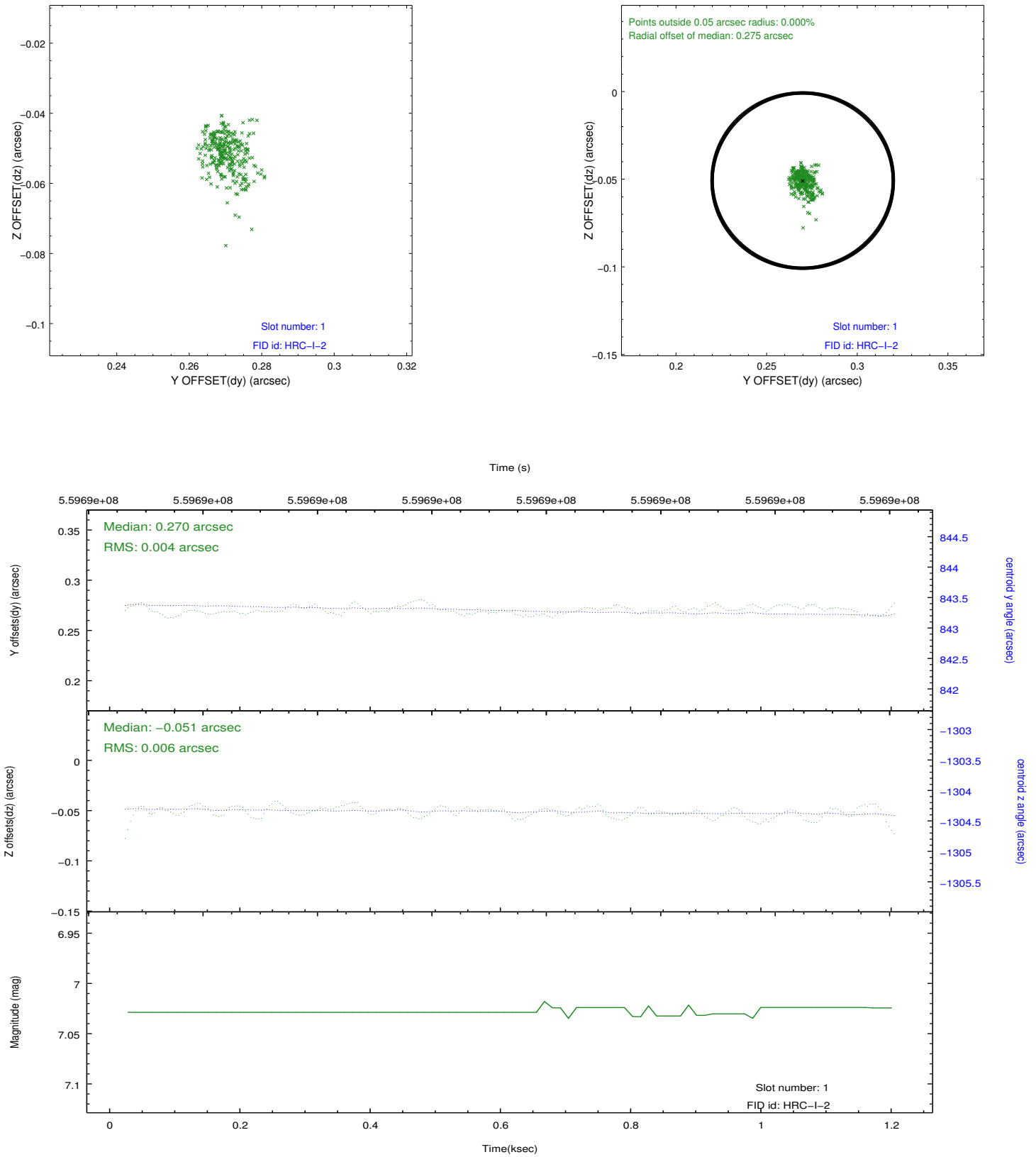


2.5 FID Slots

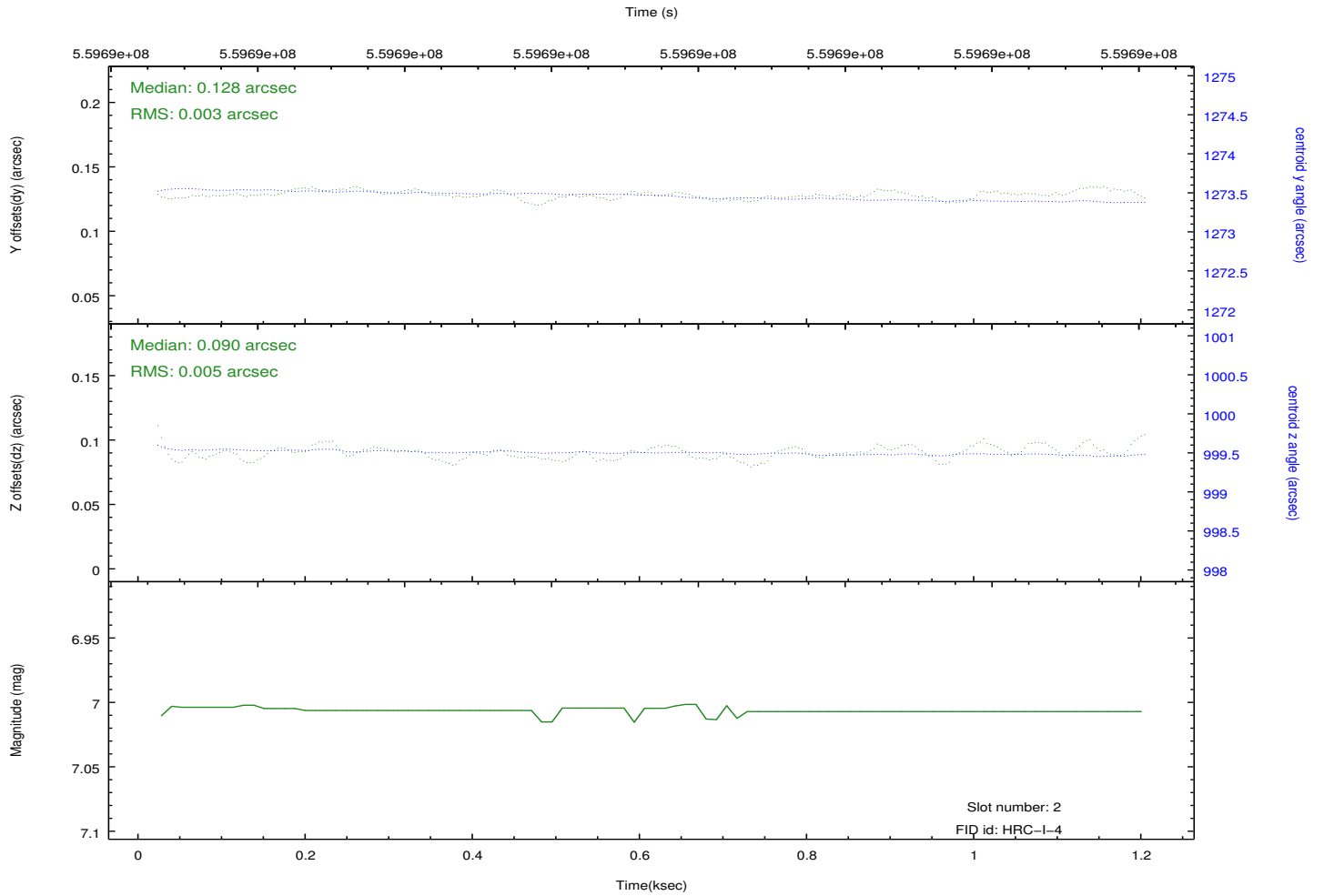
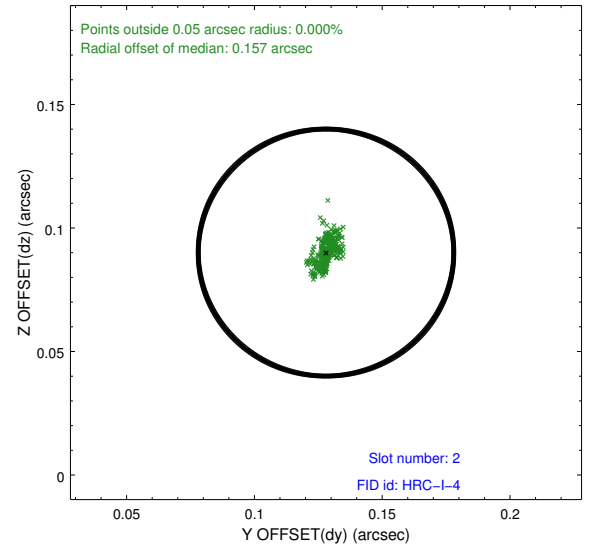
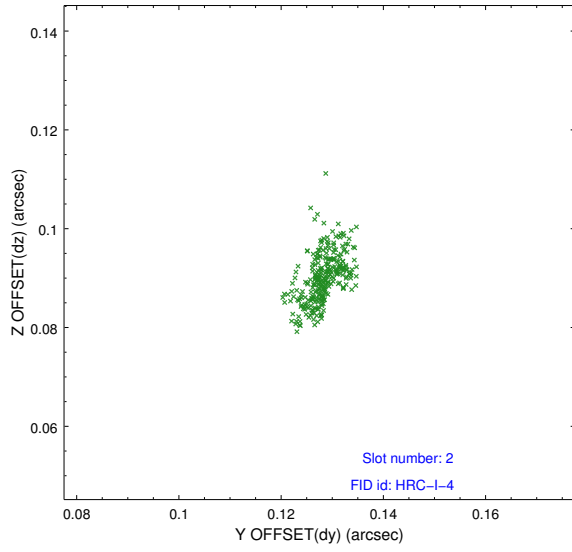
2.5.1 Slot 0



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)	2015.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813168287

A.2 Comments