

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17366 - L2 Version 1
Chandra X-Ray Center

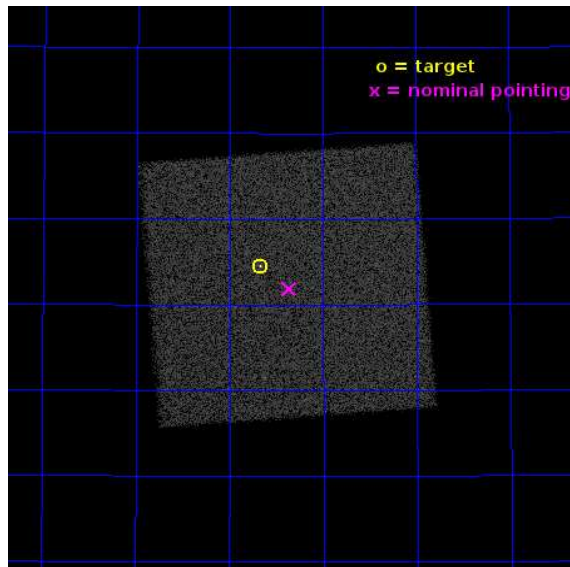
L2 Processing Date : Sep 27 2015

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1 Front

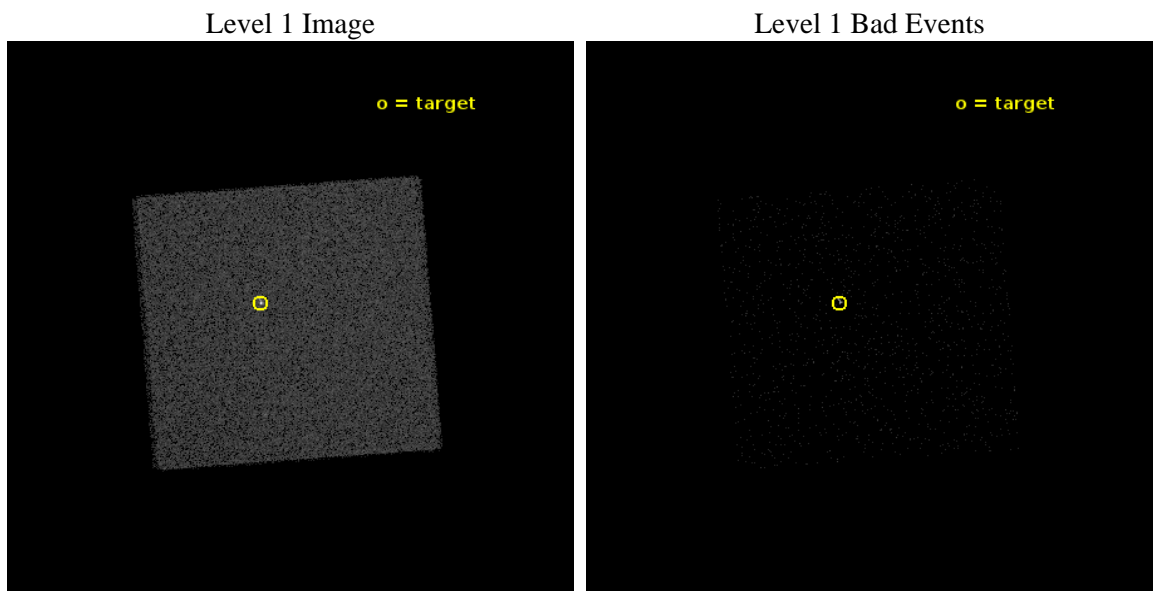
seq_num	291239	Sequence number
obs_id	17366	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09039003397	Nominal RA [deg]
dec_nom	45.697822195057	Nominal Dec [deg]
roll_nom	220.58059679663	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313170195	[s]
livetime	1173.4815043719	Ontime multiplied by DTCOR
l2events	87739	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	1184.1313170195	[s]
caldbver	4.6.8	 	l1events	147950	Number of level 1 events
date	2015-09-27T05:24:43	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

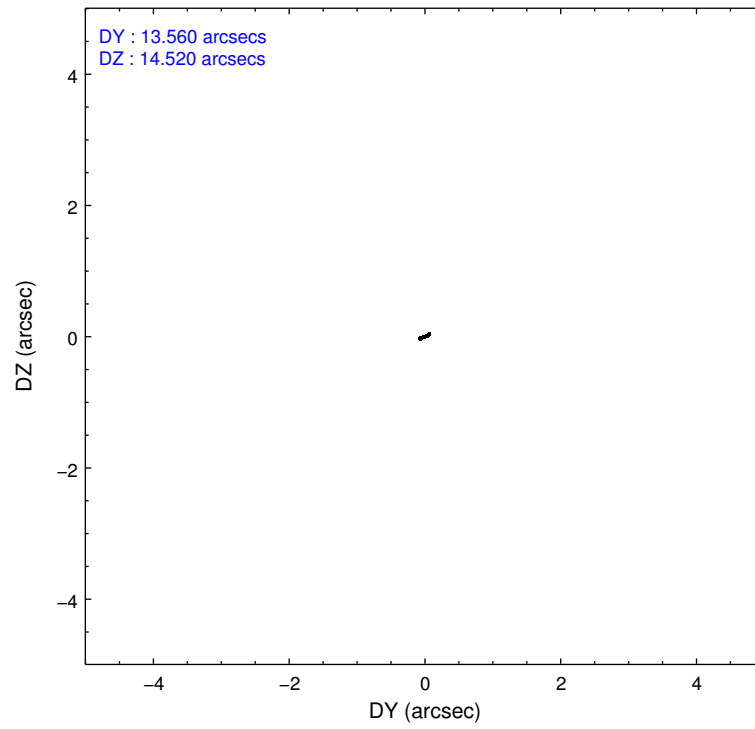
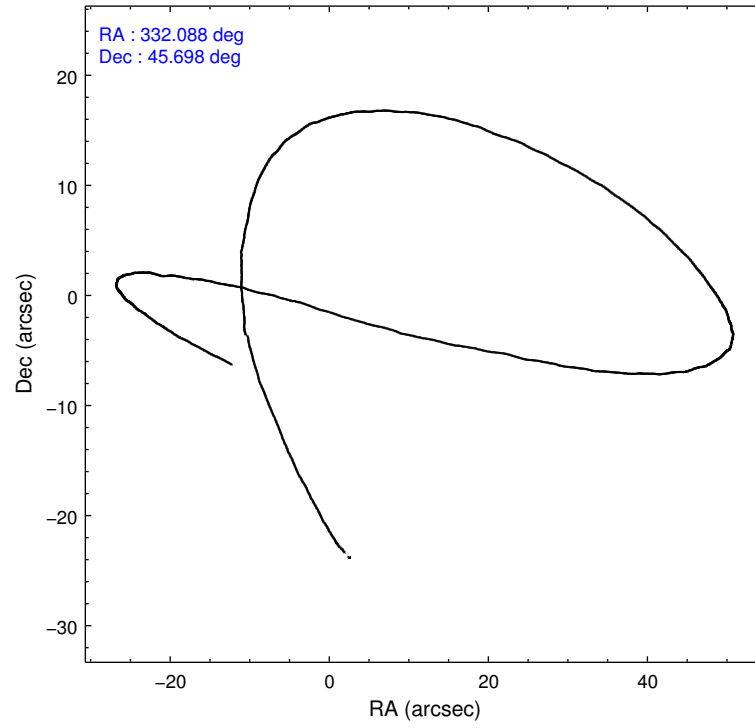
	segment 0
level 1 events	147950
rejected events	31749
rejected %	21%

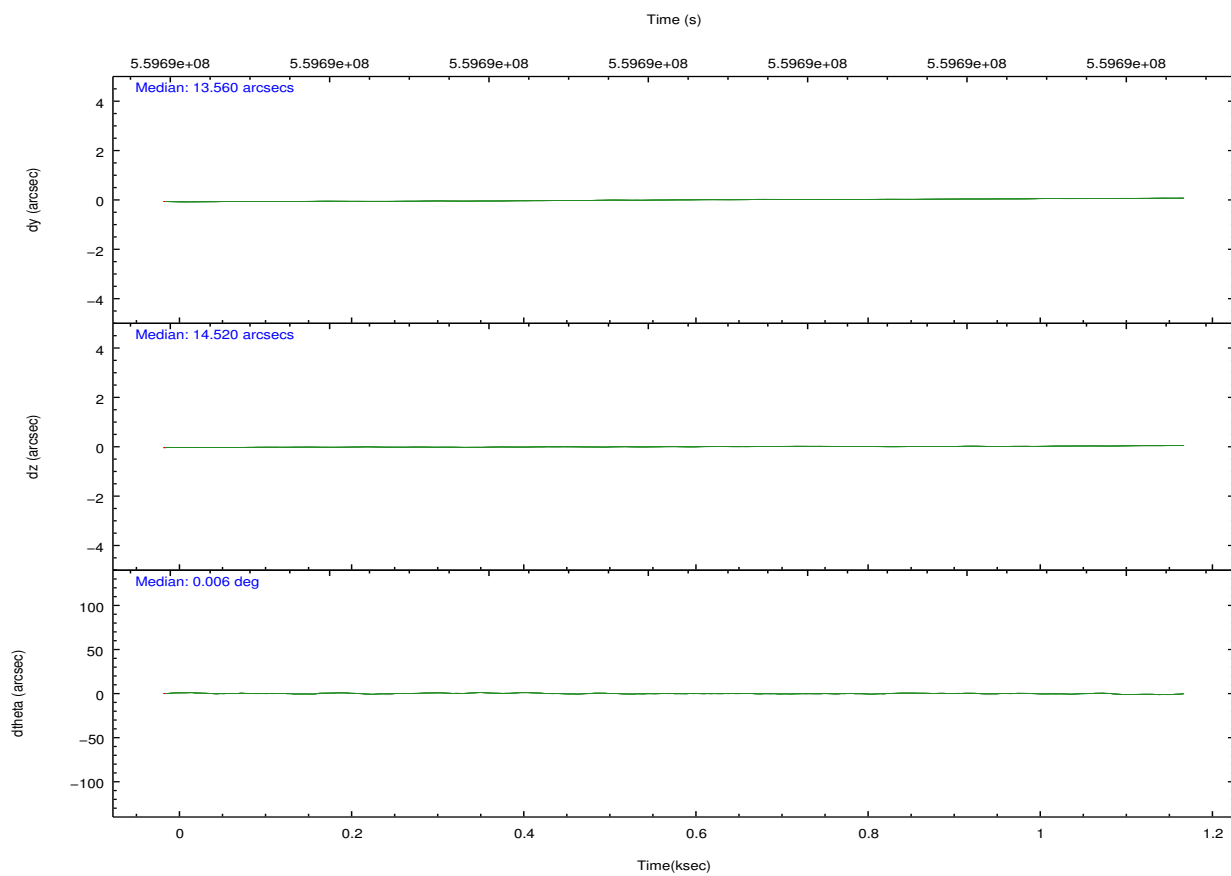
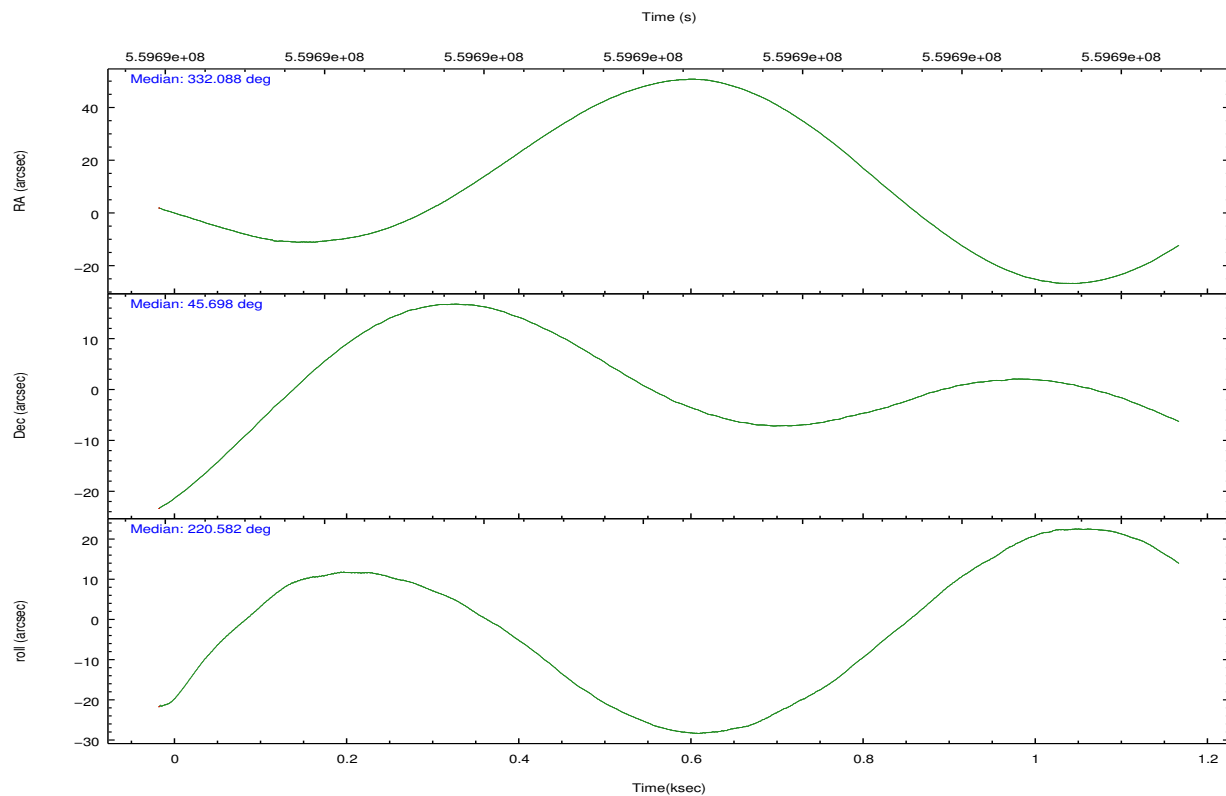
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.103929	332.0903900339719
[deg] Pointing Dec	45.723357	45.69782219505749
[deg] Pointing Roll	220.666567	220.5805967966264
[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)	559691622.184000	559691246.66971
Observation start date	2015-09-26T21:52:34	2015-09-26T21:47:26
[s] Observation end time (MET)	559692622.184000	559692756.49479
Observation end date	2015-09-26T22:09:14	2015-09-26T22:12:36

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

2.3 Aspect



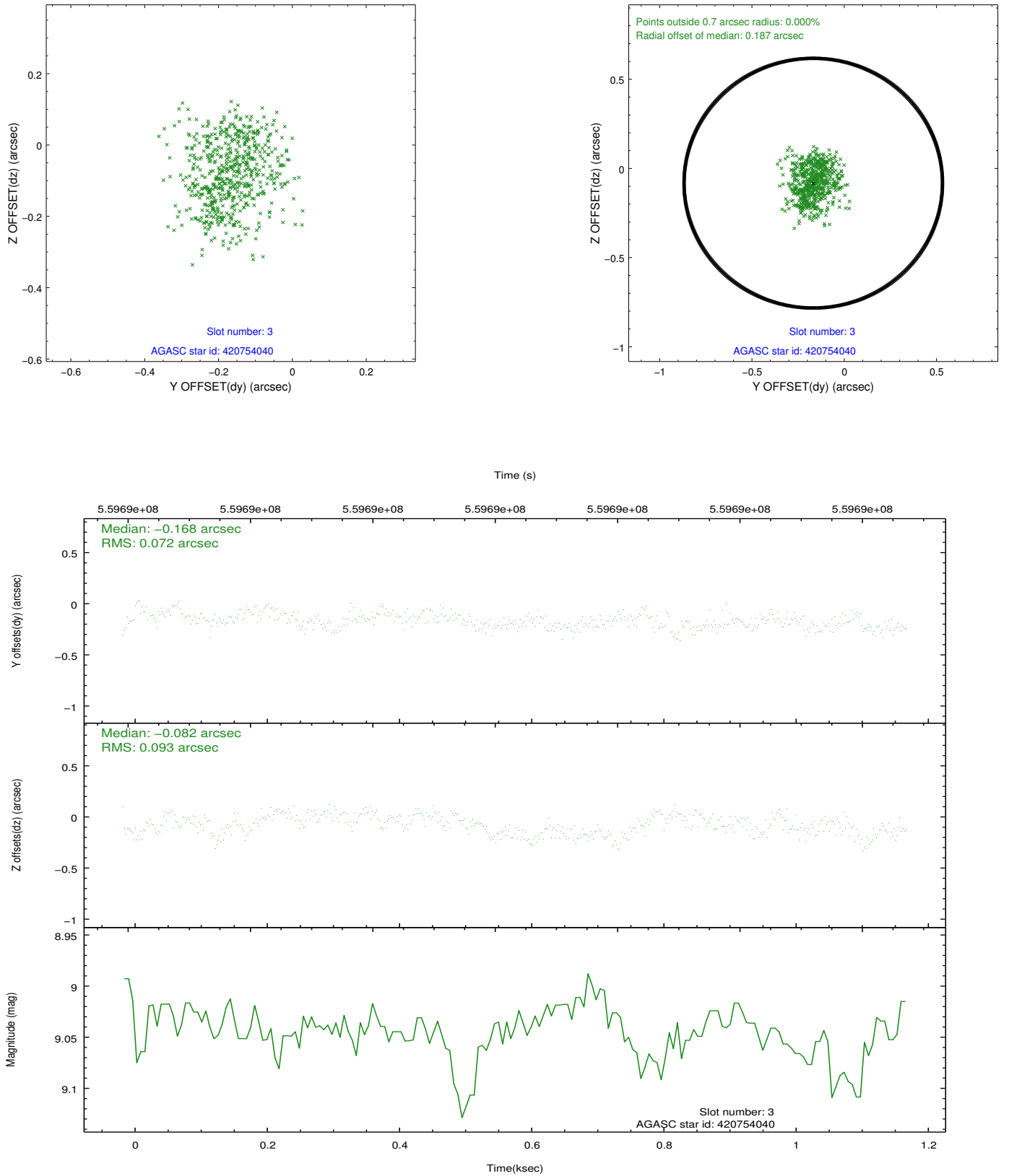


Slot Statistics

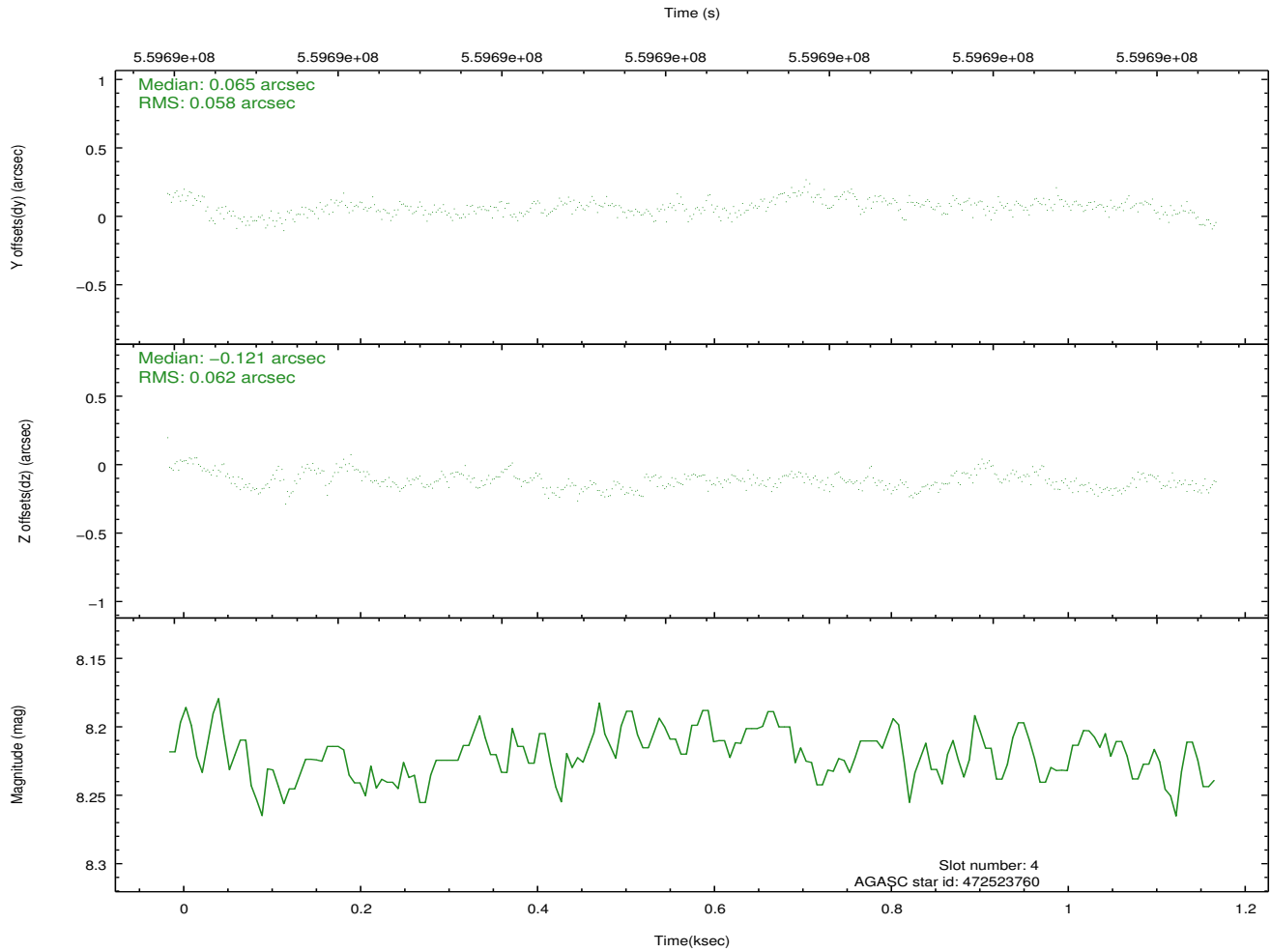
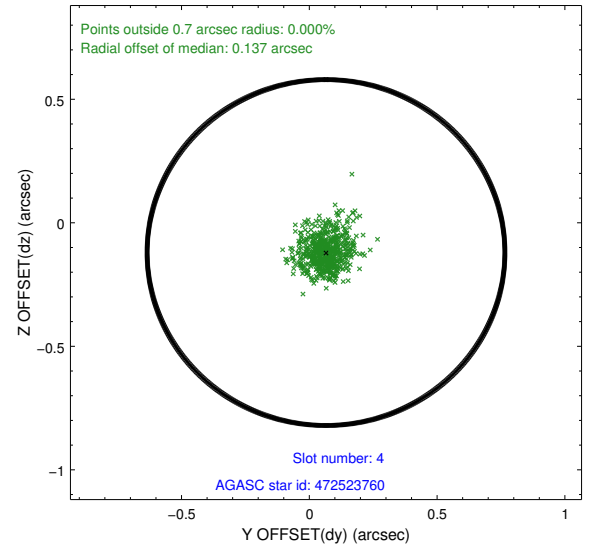
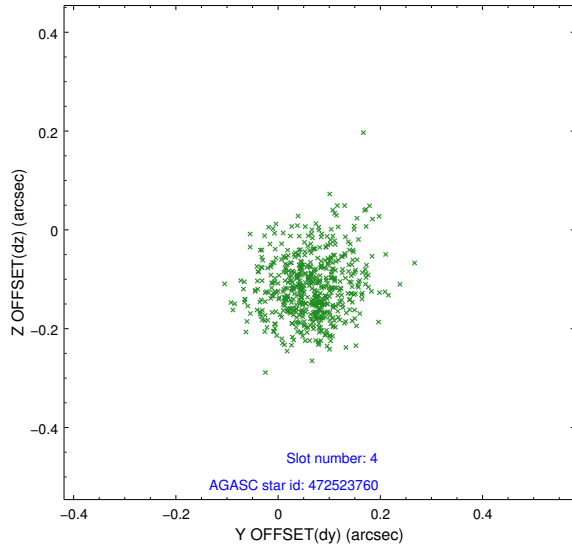
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.03	290	0.130	-0.138	0.007	0.020	0.000000	0.000000	843.51	-1304.25
1	FID		HRC-I-3	7.09	290	-0.270	0.075	0.006	0.017	0.000000	0.000000	-1195.21	997.50
2	FID		HRC-I-4	7.01	290	0.259	-0.024	0.007	0.011	0.000000	0.000000	1269.57	1003.05
3	GUIDE	used	420754040	9.04	579	-0.168	-0.082	0.127	0.194	331.917939	44.882543	2328.99	1990.67
4	GUIDE	used	472523760	8.22	579	0.065	-0.121	0.090	0.150	331.645363	45.403260	1631.00	123.11
5	GUIDE	used	472533912	9.12	579	0.177	0.397	0.146	0.258	331.791136	46.368695	-923.84	-2265.52
6	GUIDE	used	472651904	6.12	579	-0.095	-0.211	0.108	0.200	332.170077	45.742257	-173.23	54.98
7	GUIDE	used	472655152	9.39	578	0.007	0.026	0.172	0.265	332.504239	45.862991	-1091.88	274.69

2.4 Star Slots

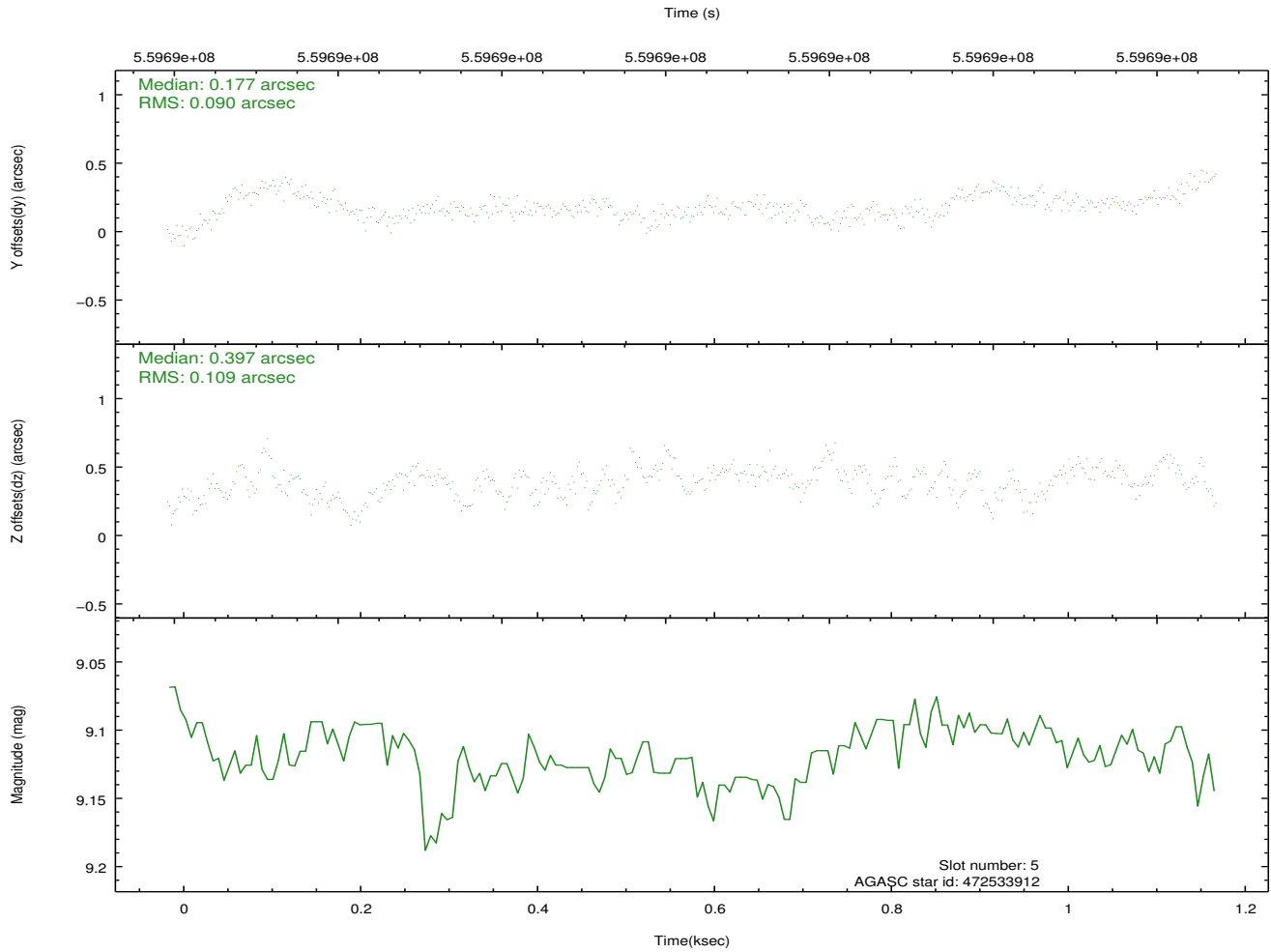
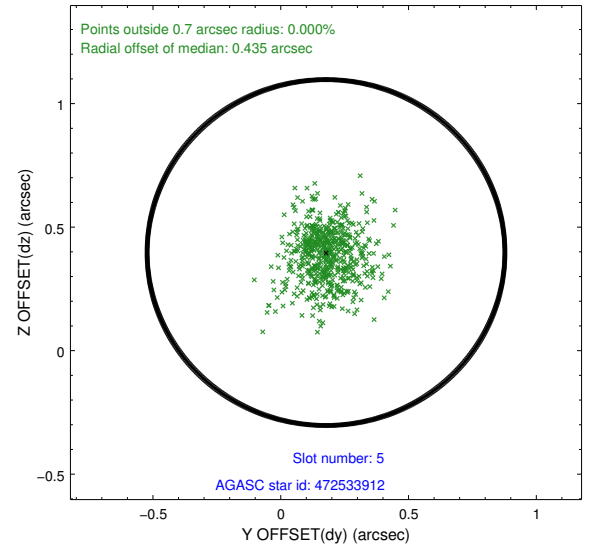
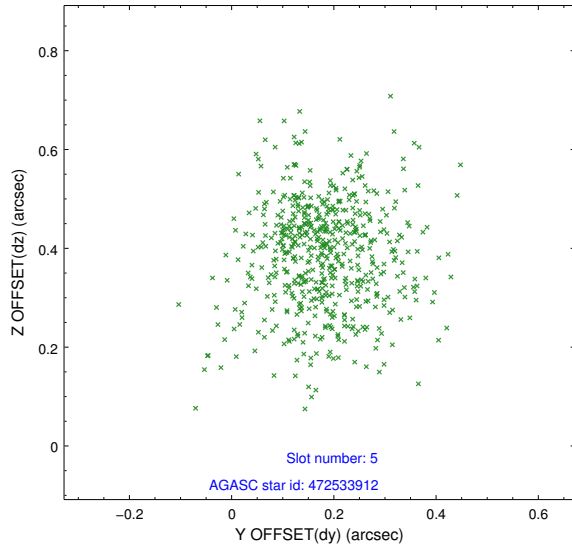
2.4.1 Slot 3



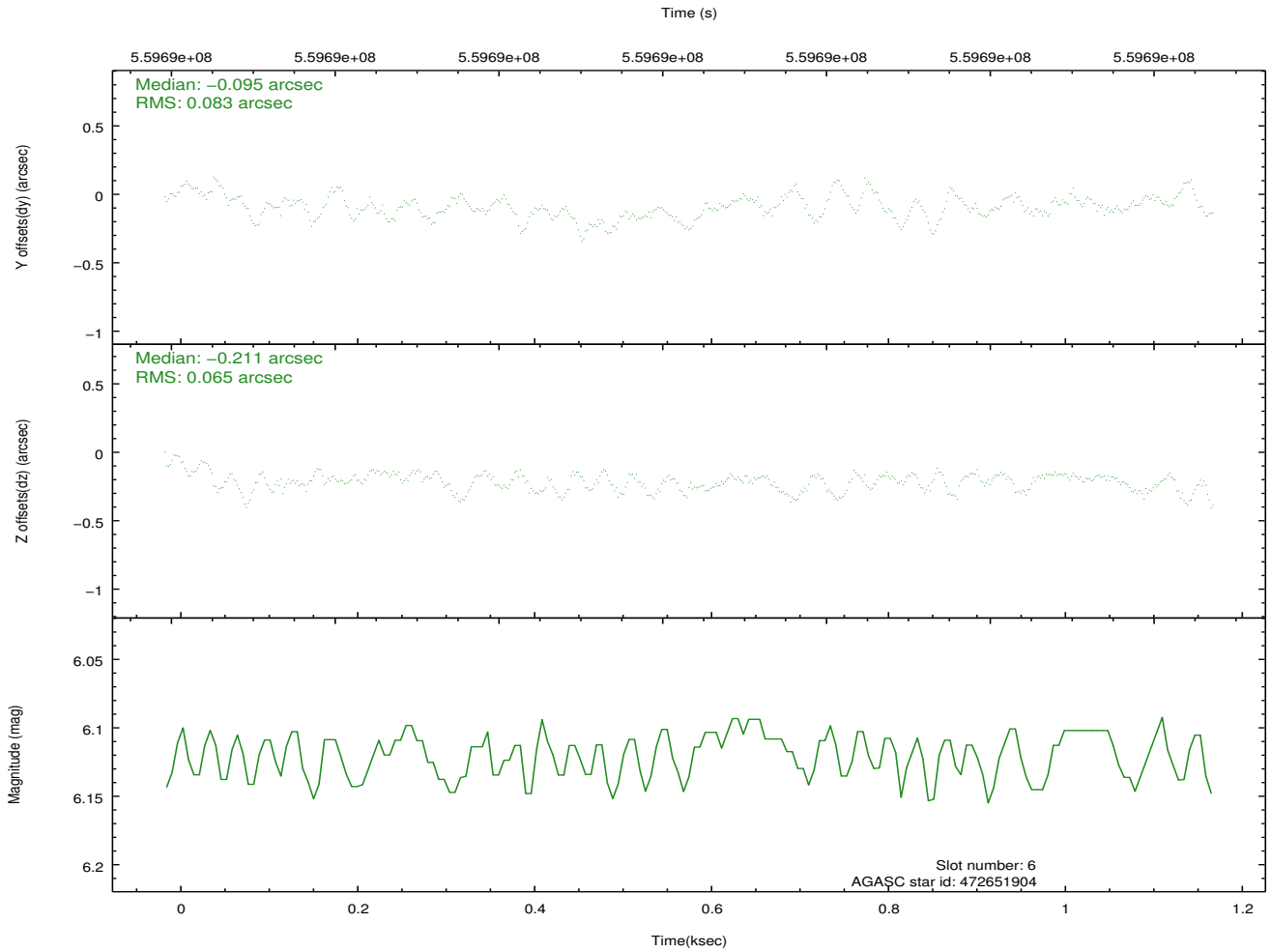
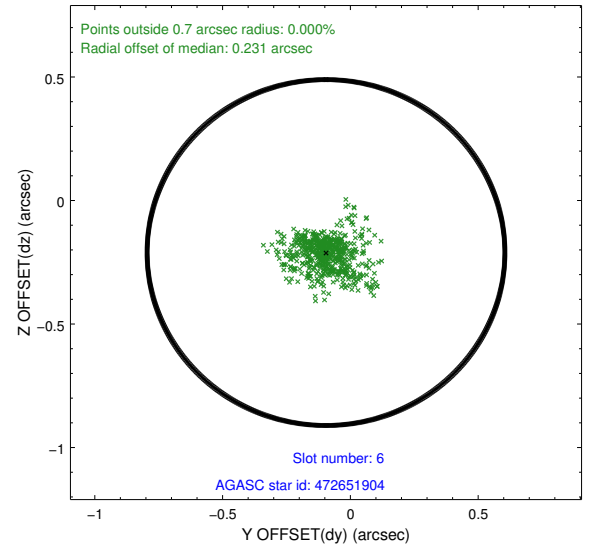
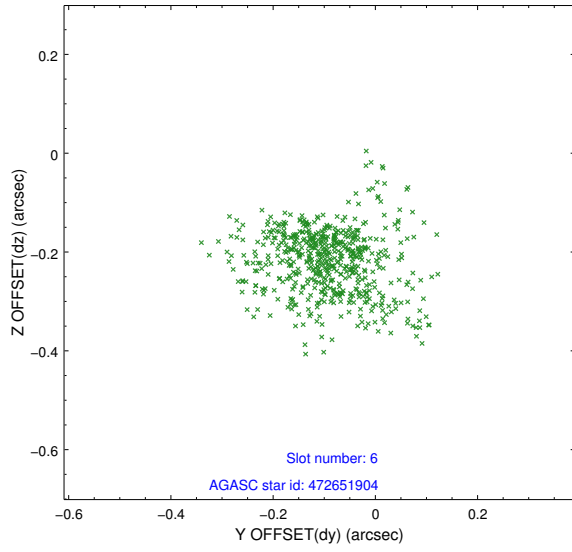
2.4.2 Slot 4



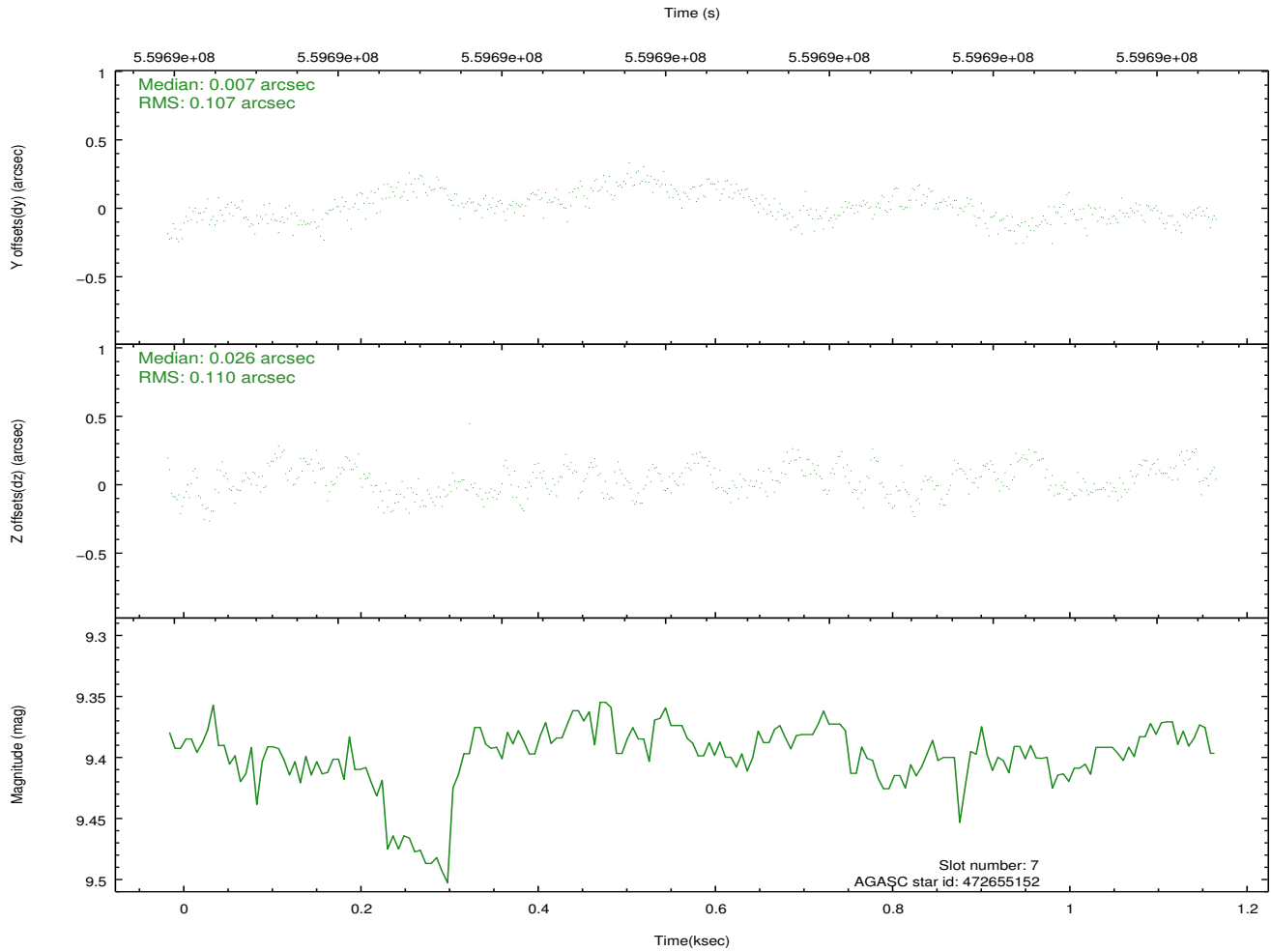
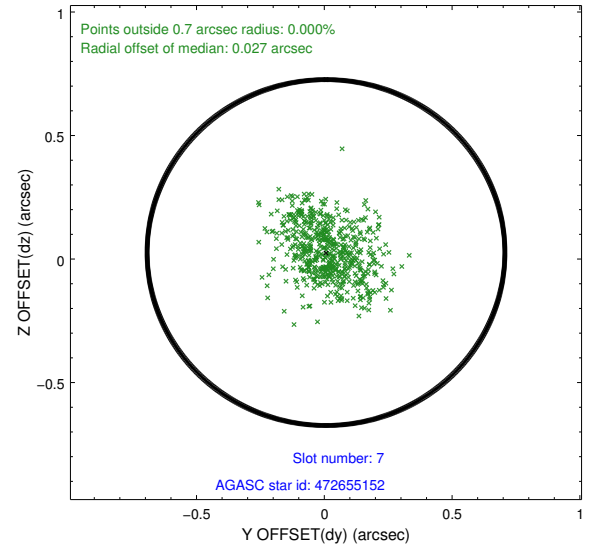
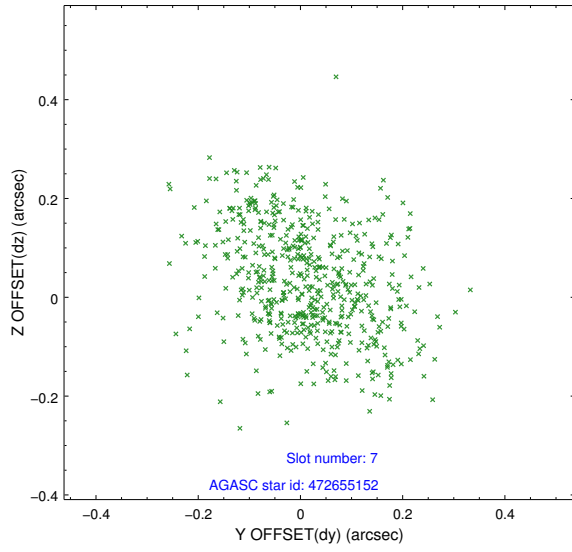
2.4.3 Slot 5



2.4.4 Slot 6

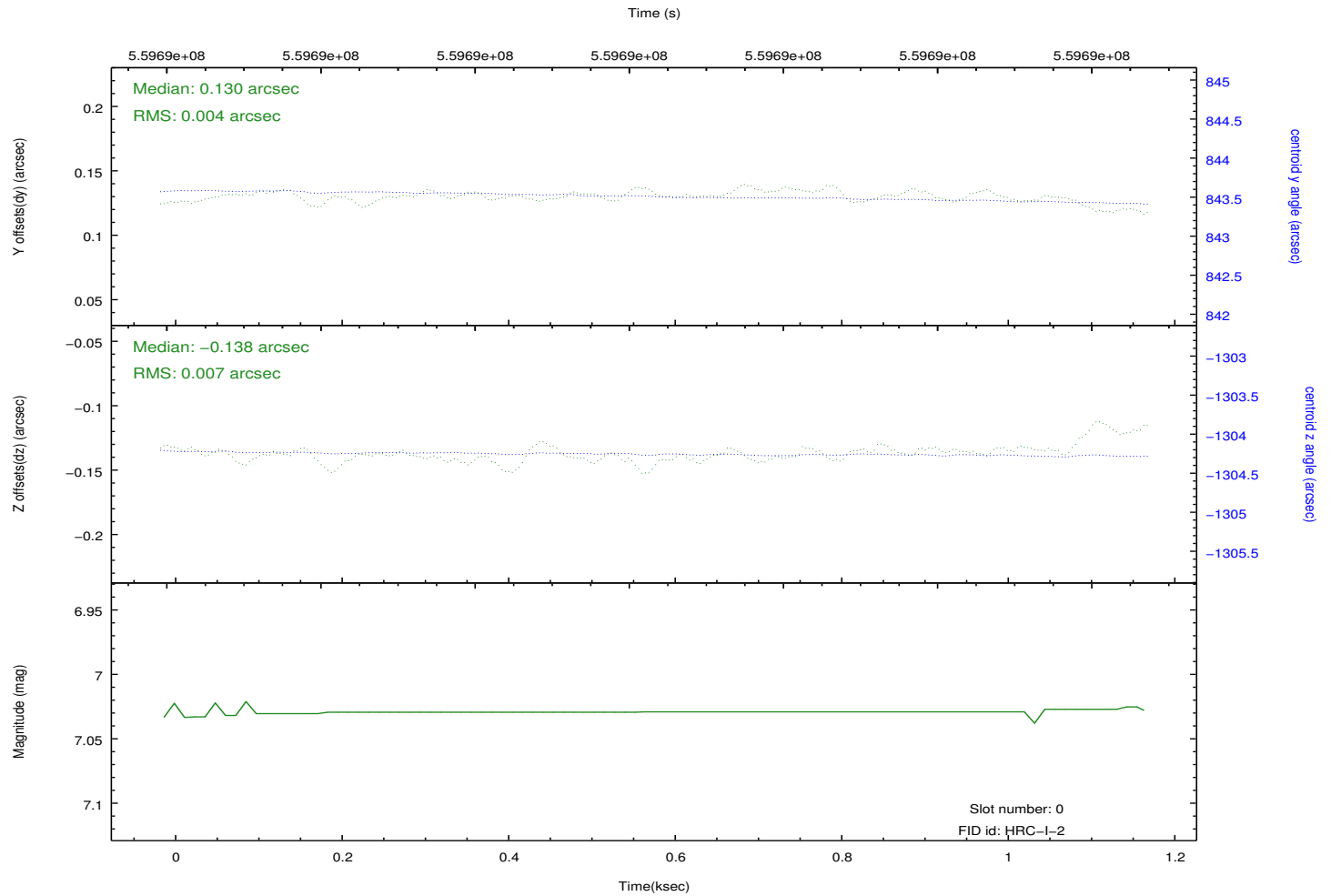
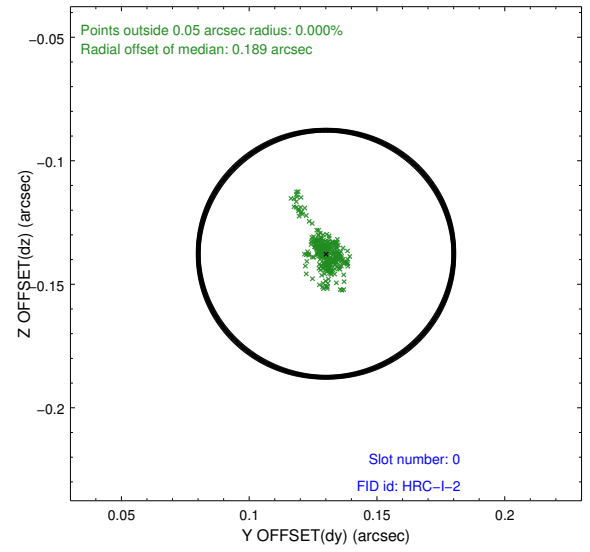
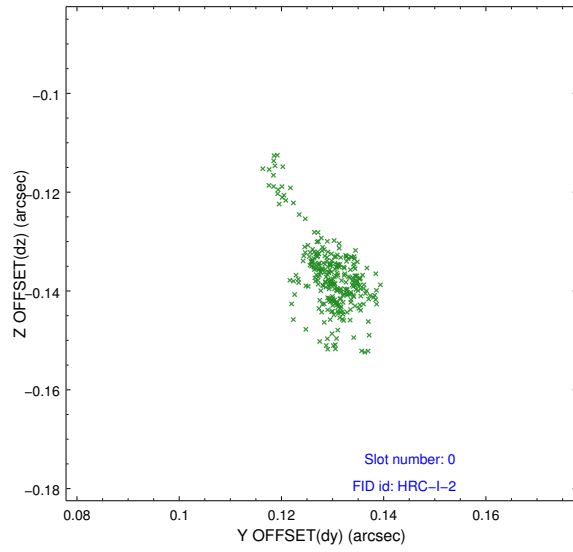


2.4.5 Slot 7

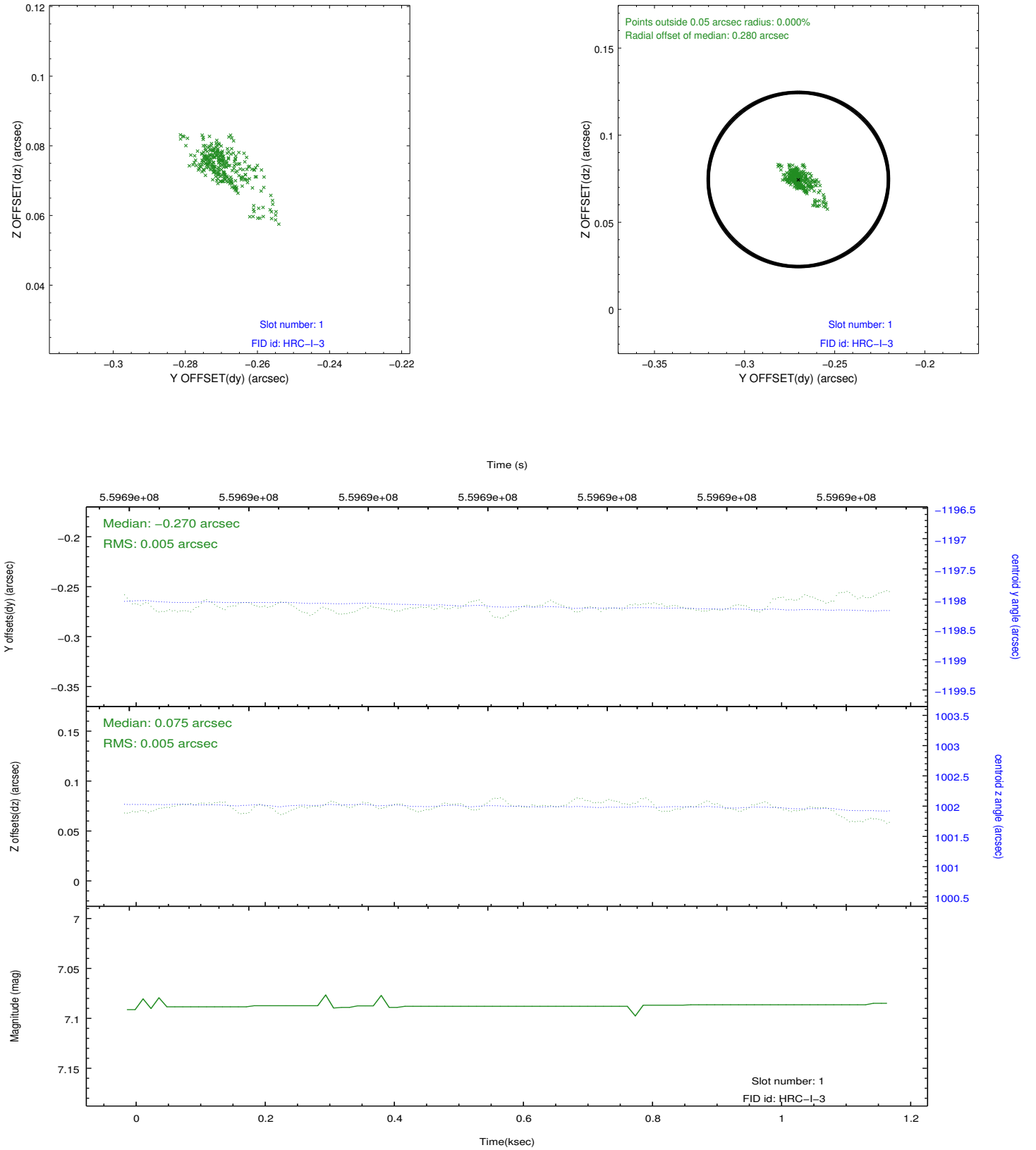


2.5 FID Slots

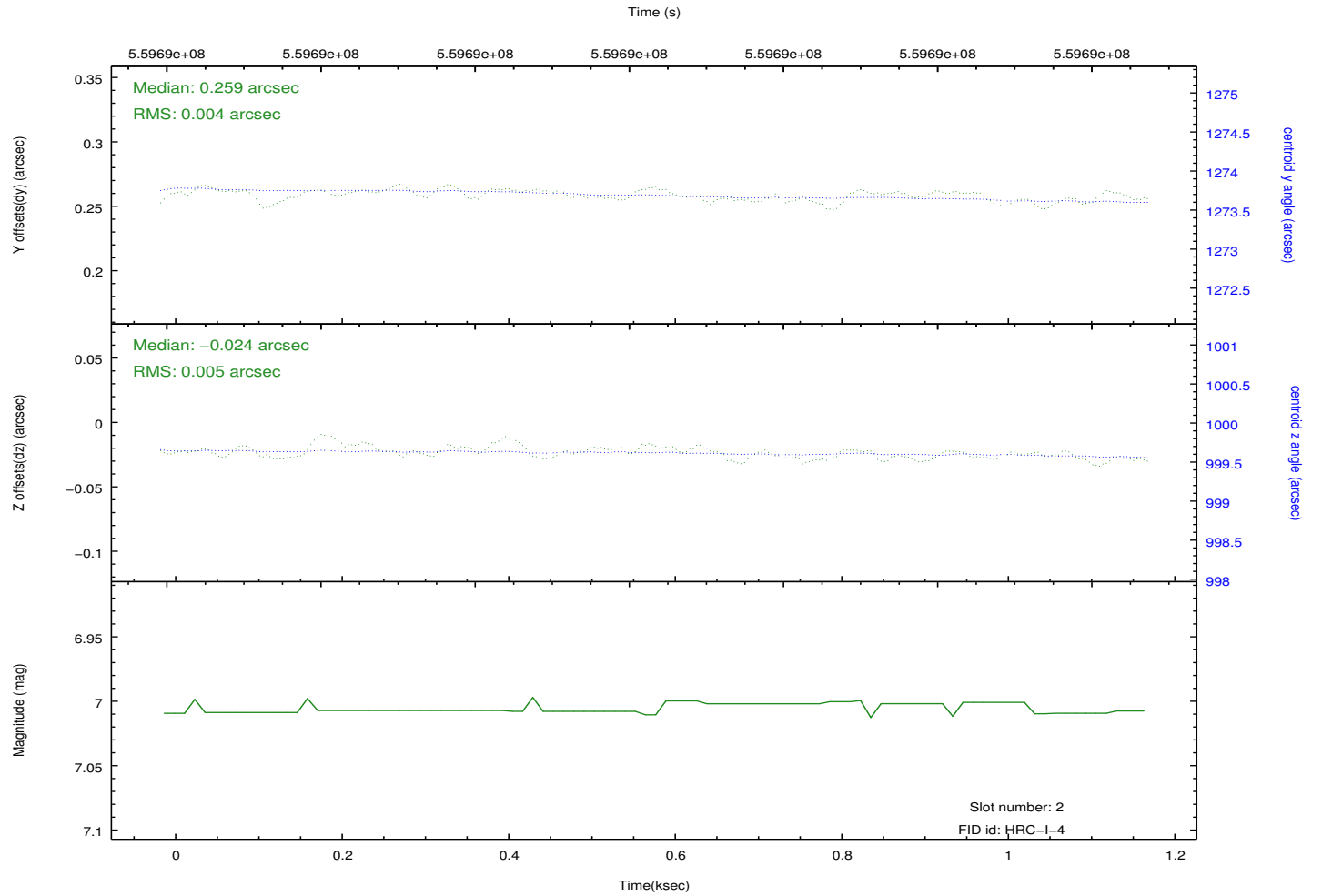
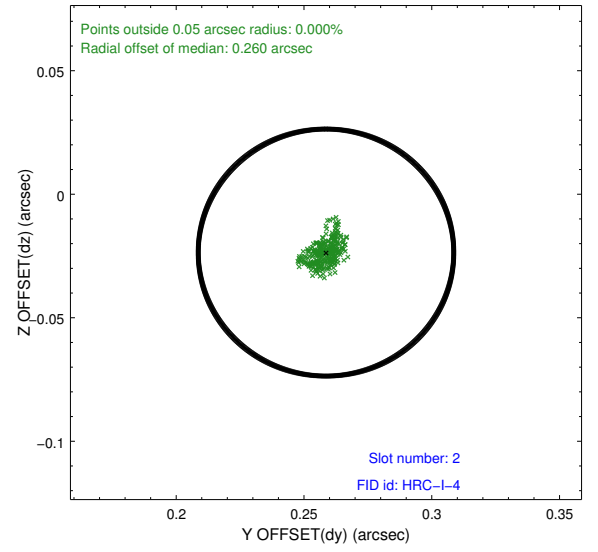
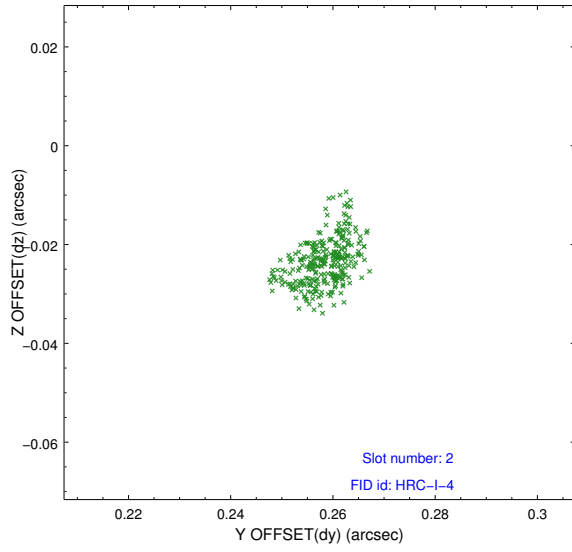
2.5.1 Slot 0



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	1.1841313170195

A.2 Comments