

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17358 - L2 Version 1
Chandra X-Ray Center

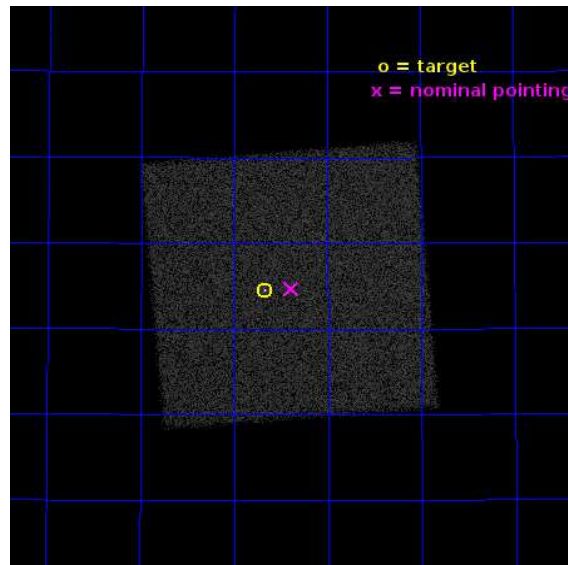
L2 Processing Date : Sep 27 2015

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1 Front

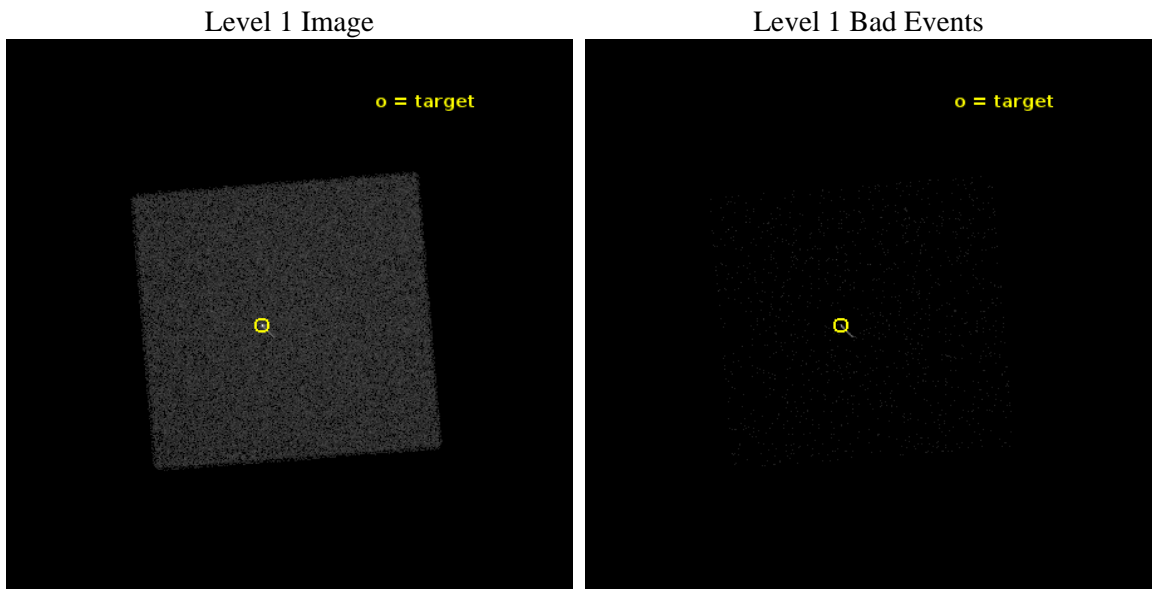
seq_num	291231	Sequence number
obs_id	17358	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09732647272	Nominal RA [deg]
dec_nom	45.744886421203	Nominal Dec [deg]
roll_nom	220.35094648682	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813168287	[s]
livetime	1171.4761527733	Ontime multiplied by DTCOR
l2events	87581	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]
caldsver	4.6.8	 	l1events	147781	Number of level 1 events
date	2015-09-27T03:43:18	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

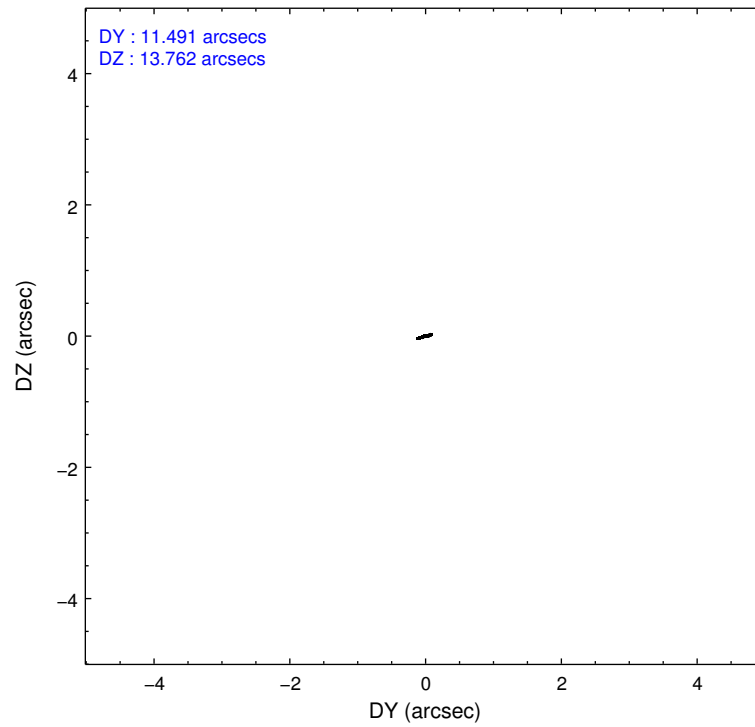
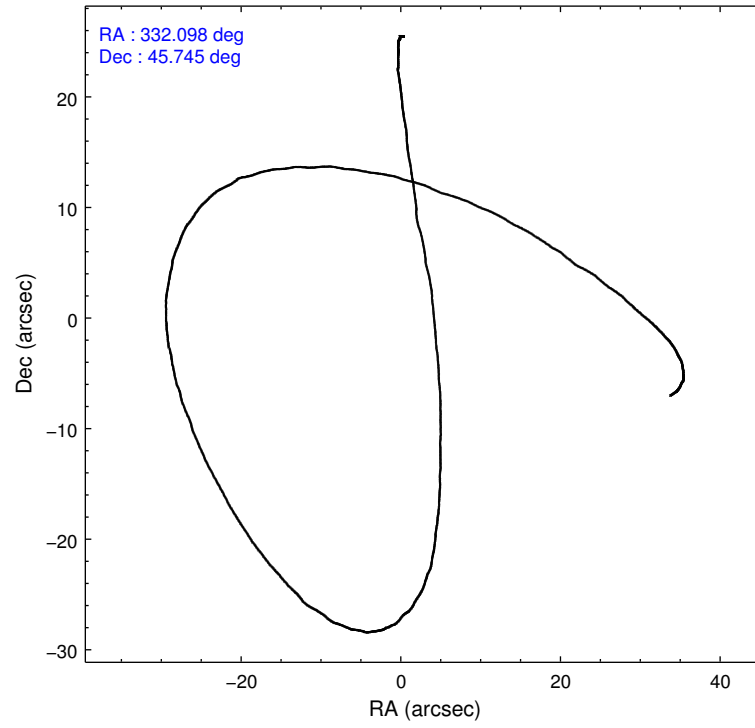
Level 1 Events

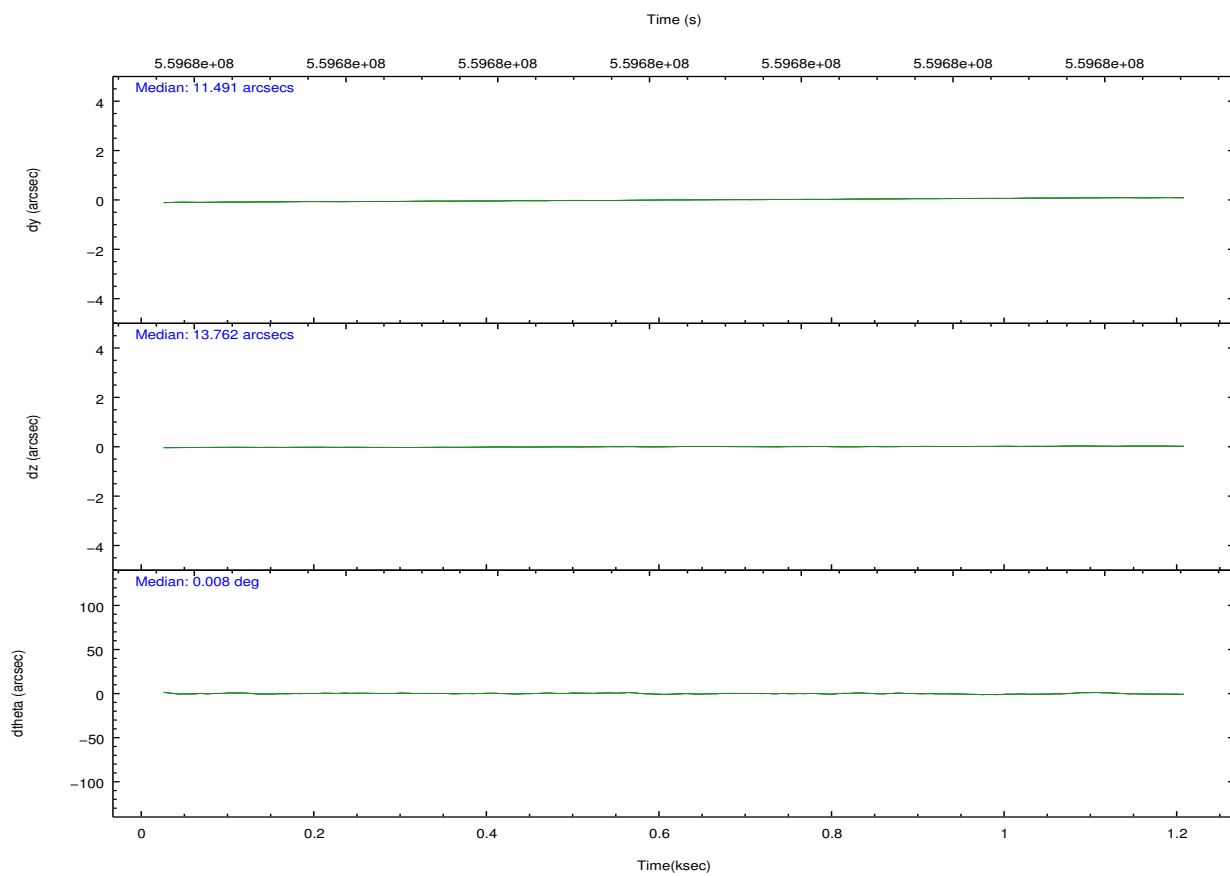
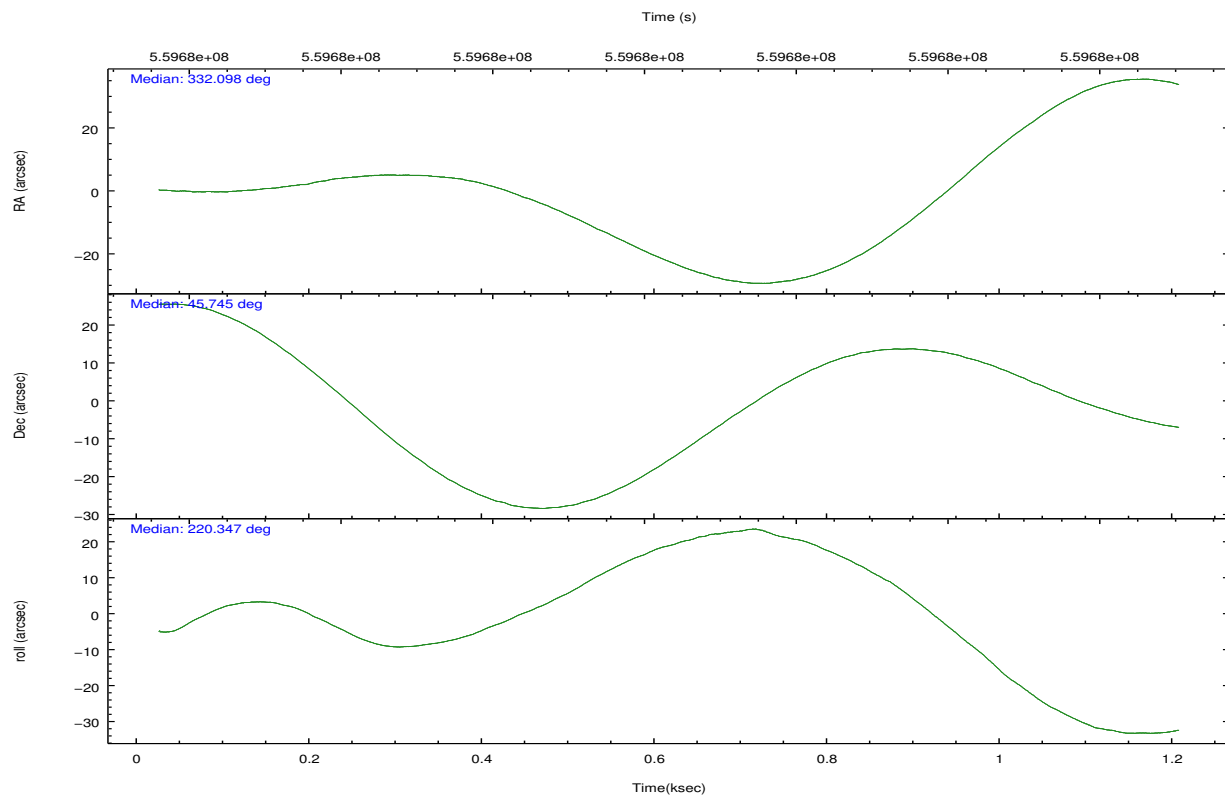
	segment 0
level 1 events	147781
rejected events	32133
rejected %	21%

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	332.109183	332.0973264727214			
[deg] Pointing Dec	45.770528	45.74488642120299			
[deg] Pointing Roll	220.437980	220.3509464868204			
[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)	559678032.184000	559677656.19394			
Observation start date	2015-09-26T18:06:04	2015-09-26T18:00:56			
[s] Observation end time (MET)	559679032.184000	559679166.53153			
Observation end date	2015-09-26T18:22:44	2015-09-26T18:26:06			

2.3 Aspect



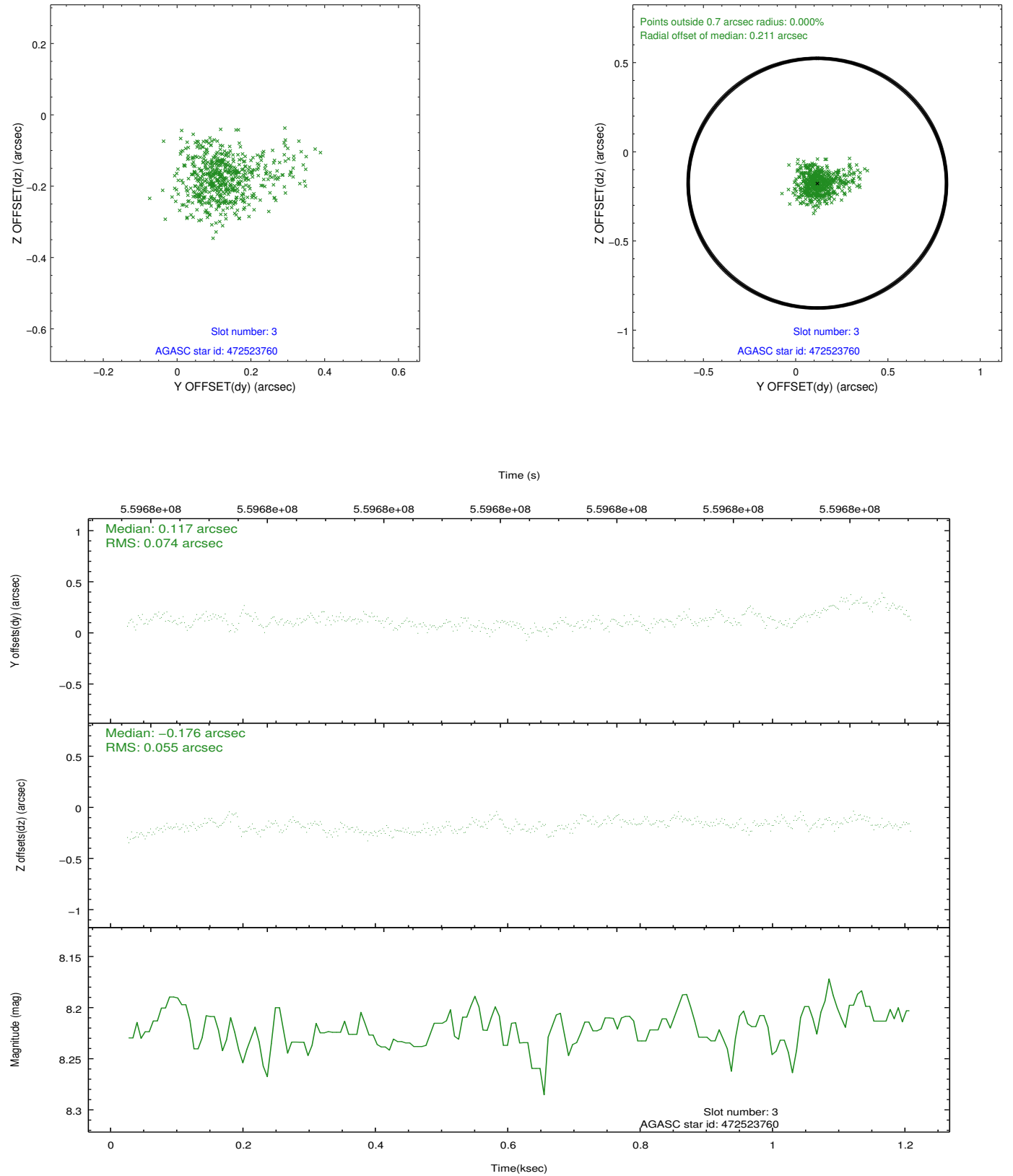


Slot Statistics

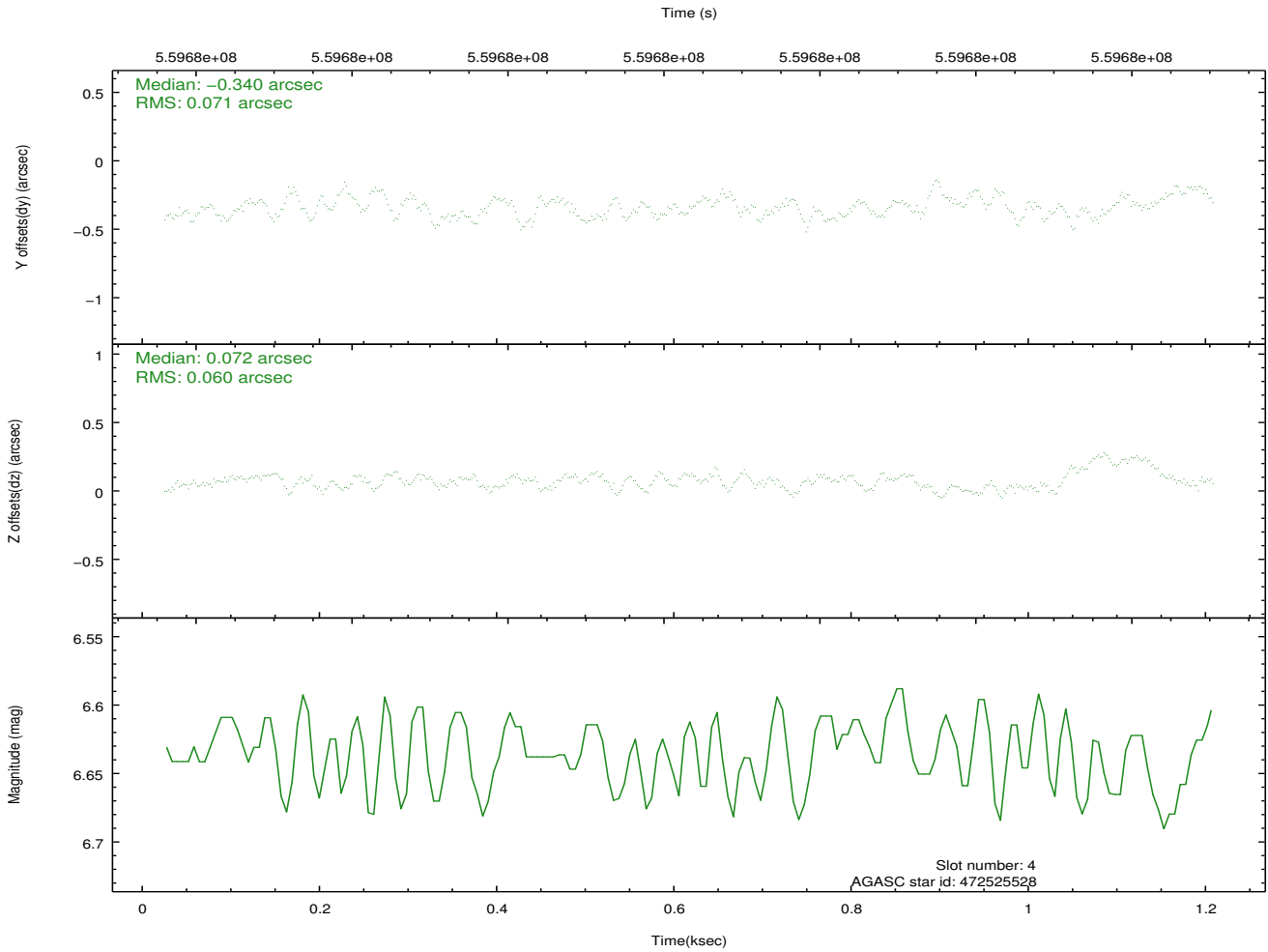
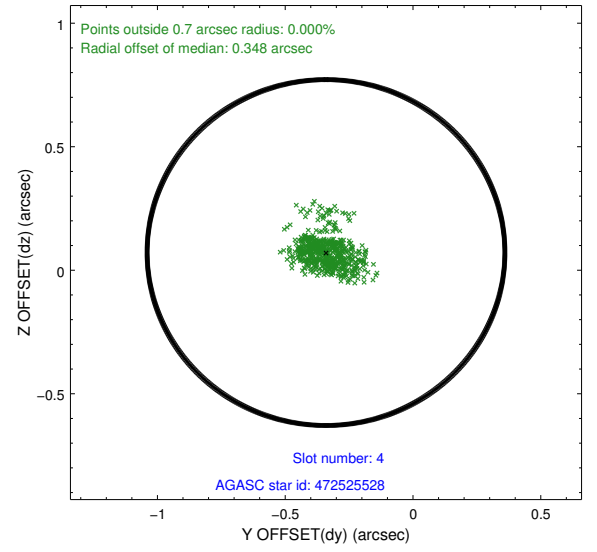
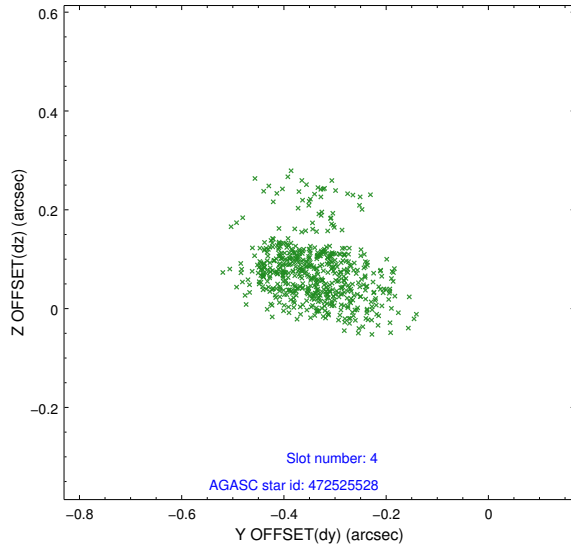
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.00	289	-0.133	-0.001	0.007	0.014	0.000000	0.000000	-767.32	-1301.80
1	FID		HRC-I-2	7.02	289	0.305	-0.143	0.006	0.010	0.000000	0.000000	843.09	-1308.02
2	FID		HRC-I-3	7.09	289	-0.054	0.054	0.005	0.011	0.000000	0.000000	-1192.82	998.29
3	GUIDE	used	472523760	8.22	578	0.117	-0.176	0.091	0.181	331.645363	45.403260	1749.83	243.52
4	GUIDE	used	472525528	6.64	578	-0.340	0.072	0.098	0.171	331.551102	45.248694	2296.40	509.58
5	GUIDE	used	472533912	9.12	578	0.156	0.322	0.150	0.269	331.791136	46.368695	-790.36	-2151.19
6	GUIDE	used	472651904	6.11	578	0.007	-0.241	0.115	0.204	332.170077	45.742257	-49.85	171.87
7	GUIDE	used	472655152	9.41	576	0.075	0.055	0.156	0.468	332.504239	45.862991	-969.45	387.93

2.4 Star Slots

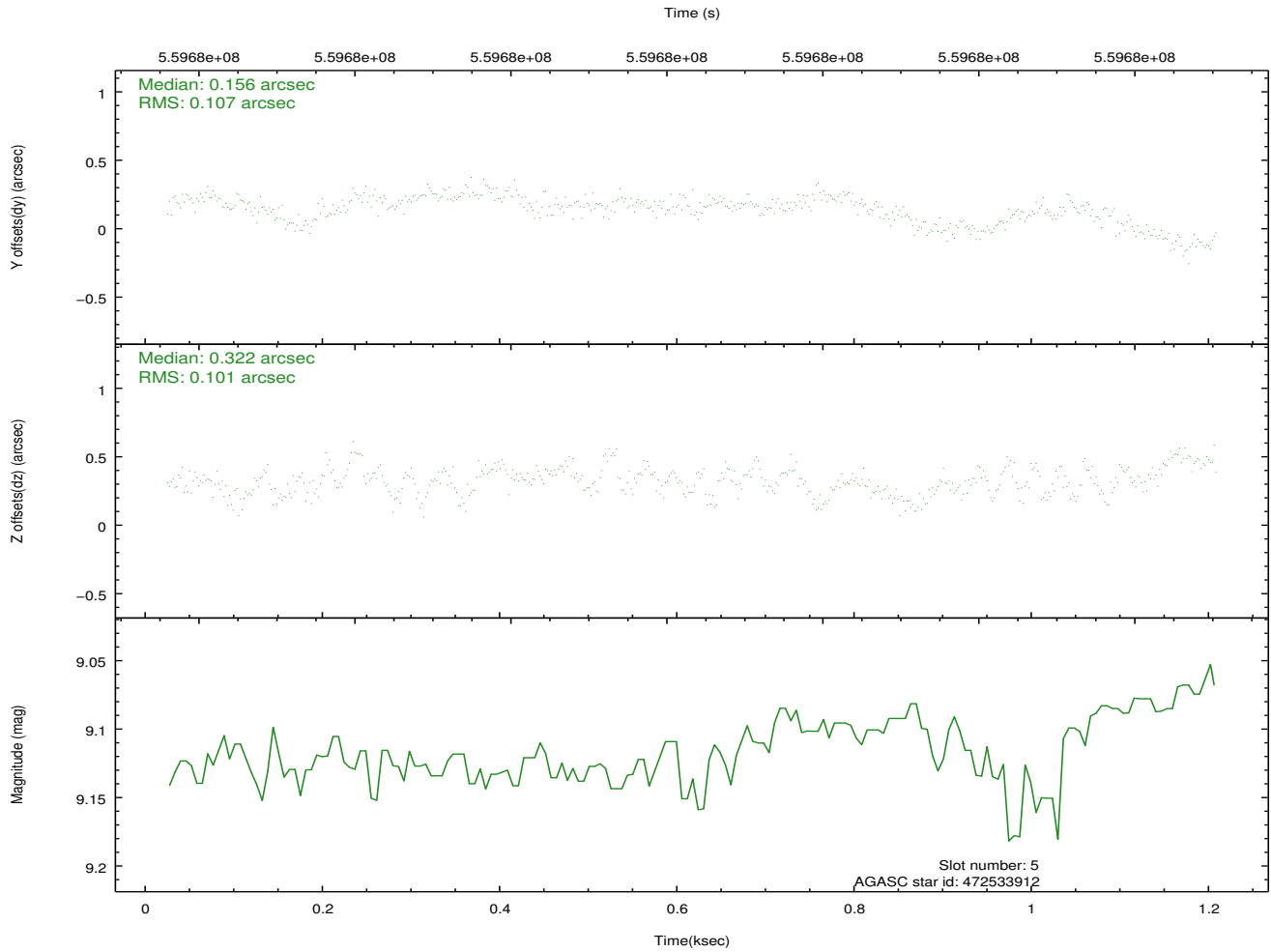
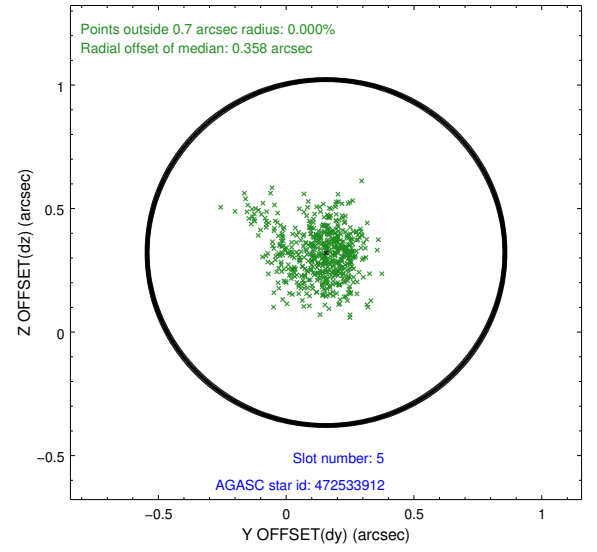
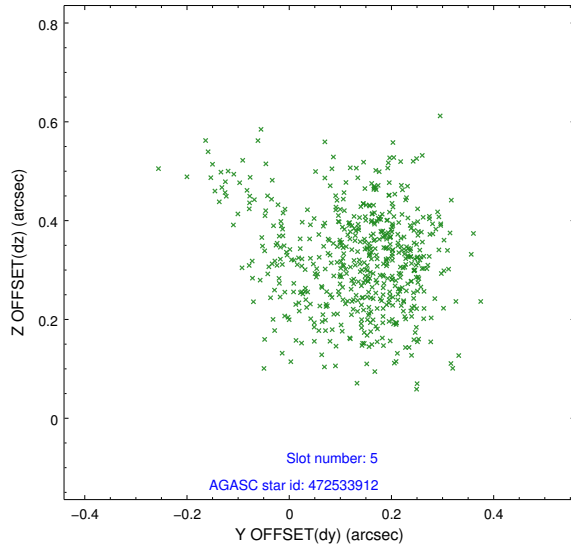
2.4.1 Slot 3



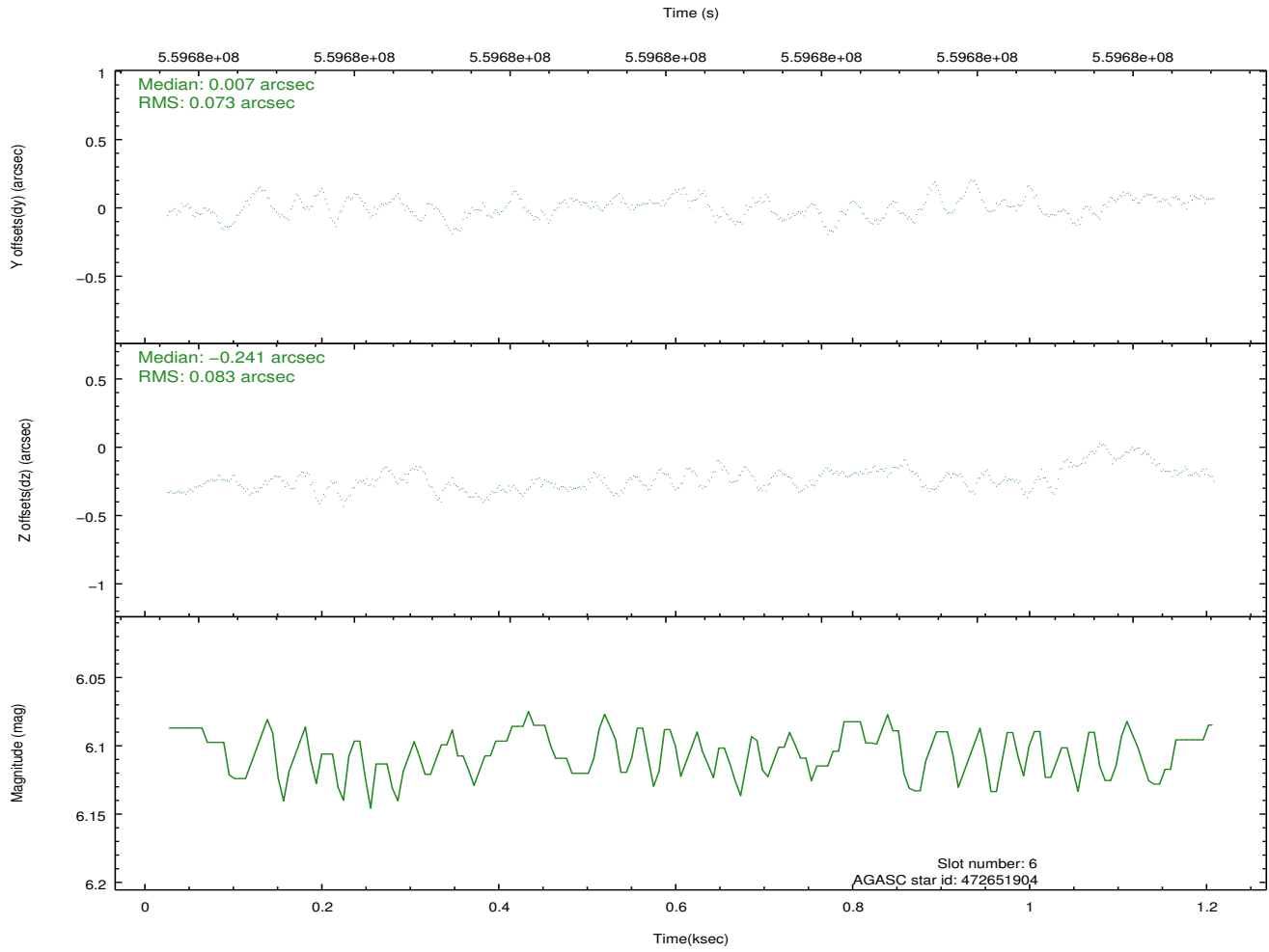
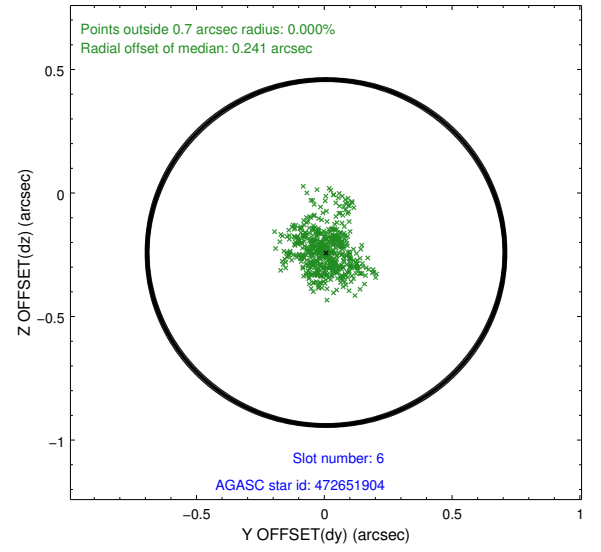
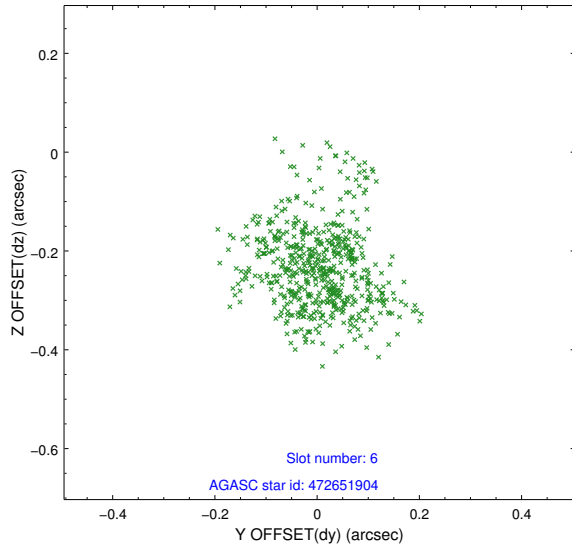
2.4.2 Slot 4



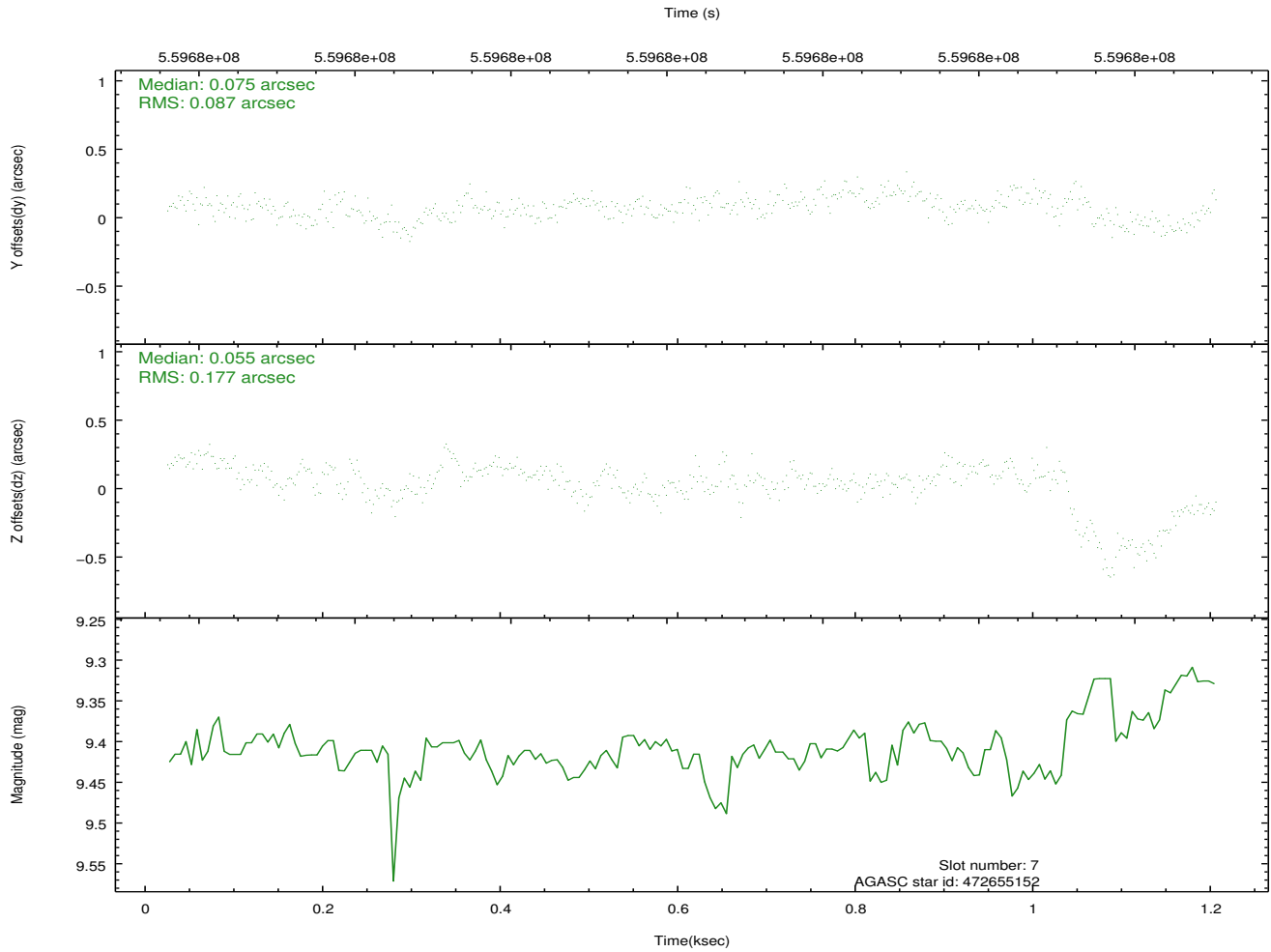
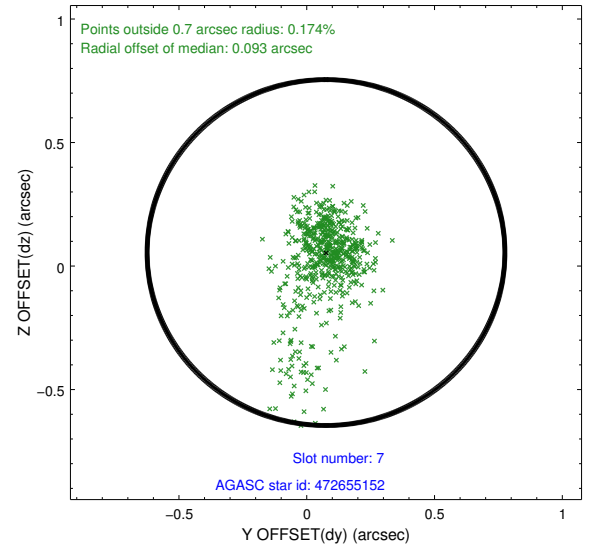
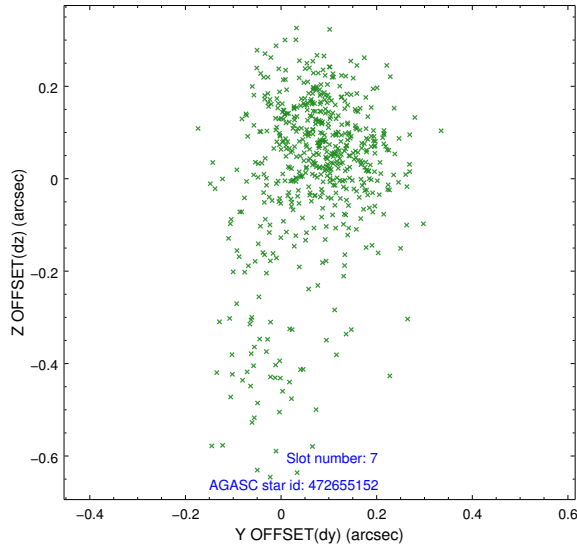
2.4.3 Slot 5



2.4.4 Slot 6

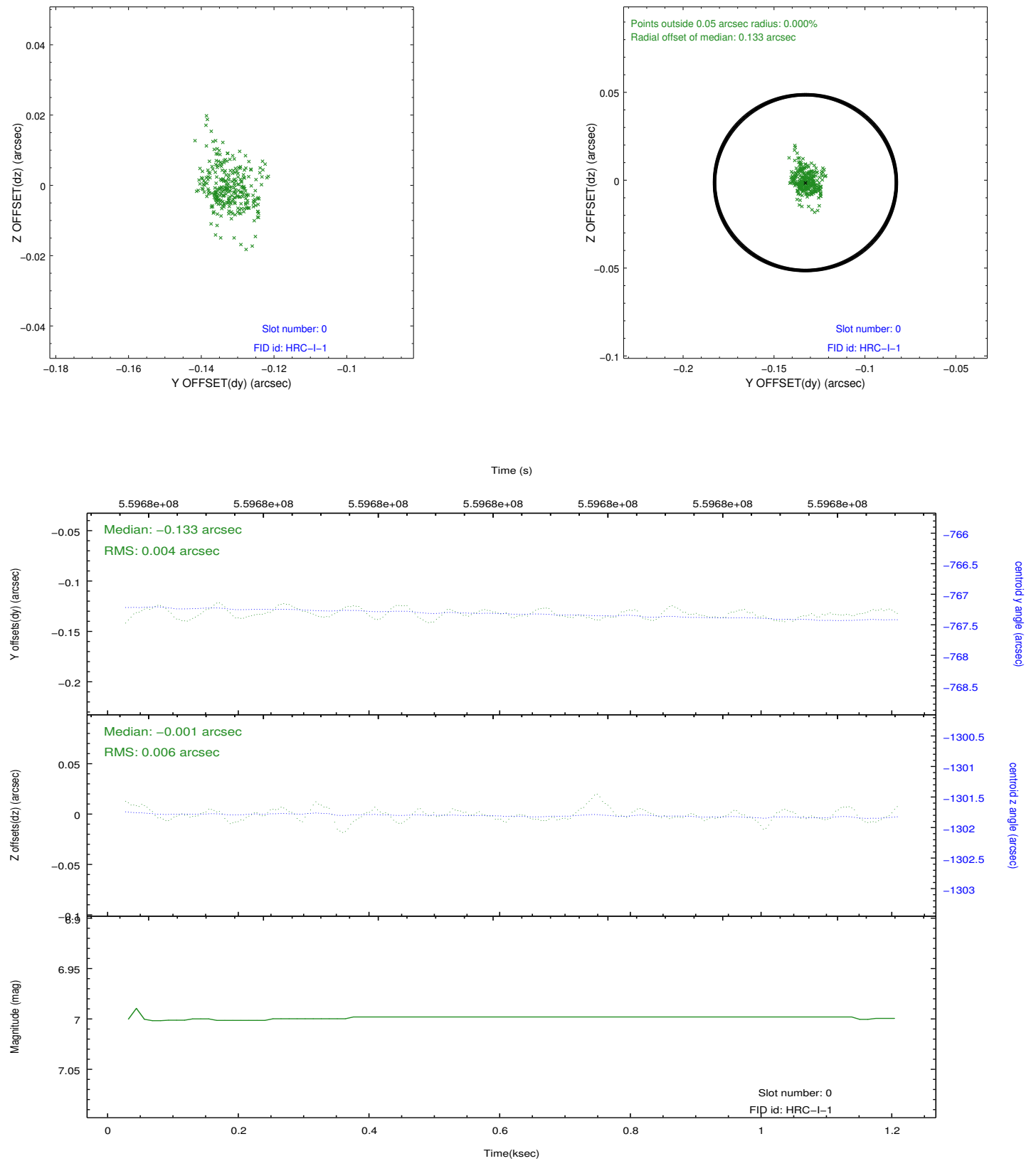


2.4.5 Slot 7

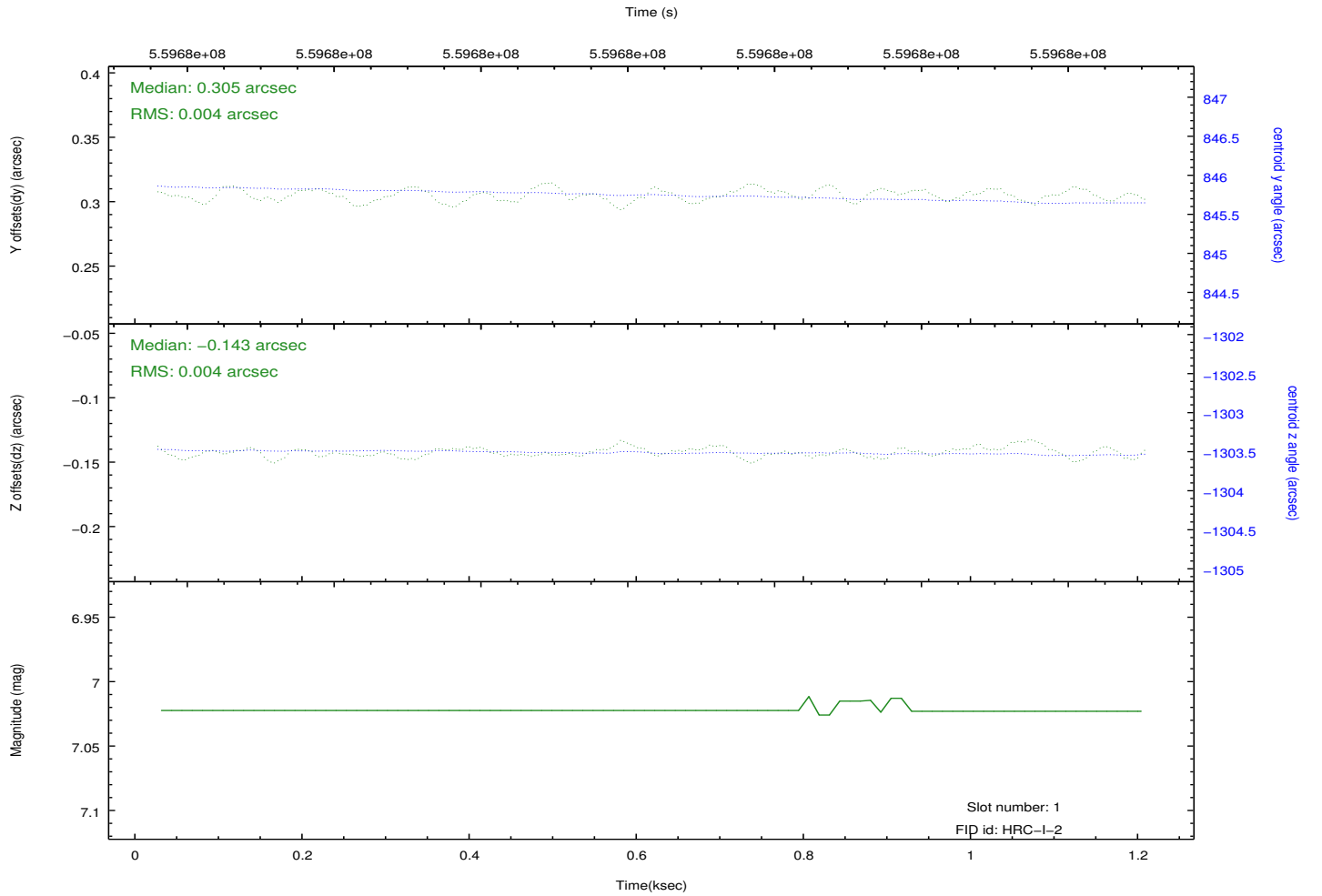
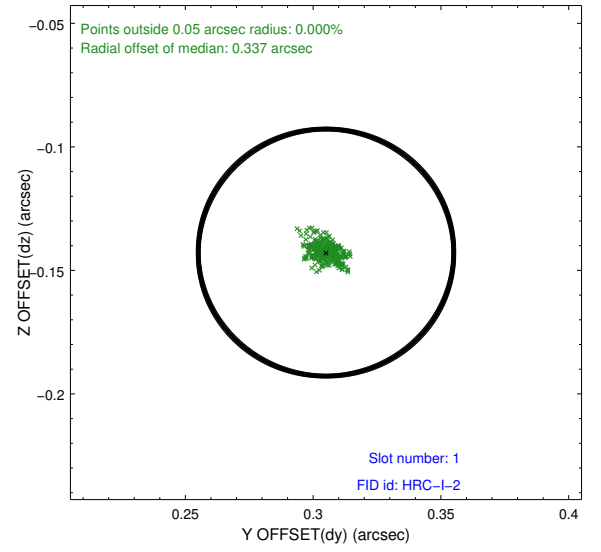
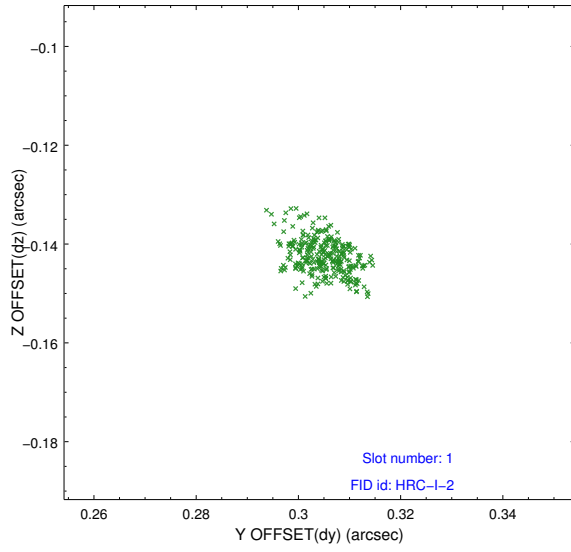


2.5 FID Slots

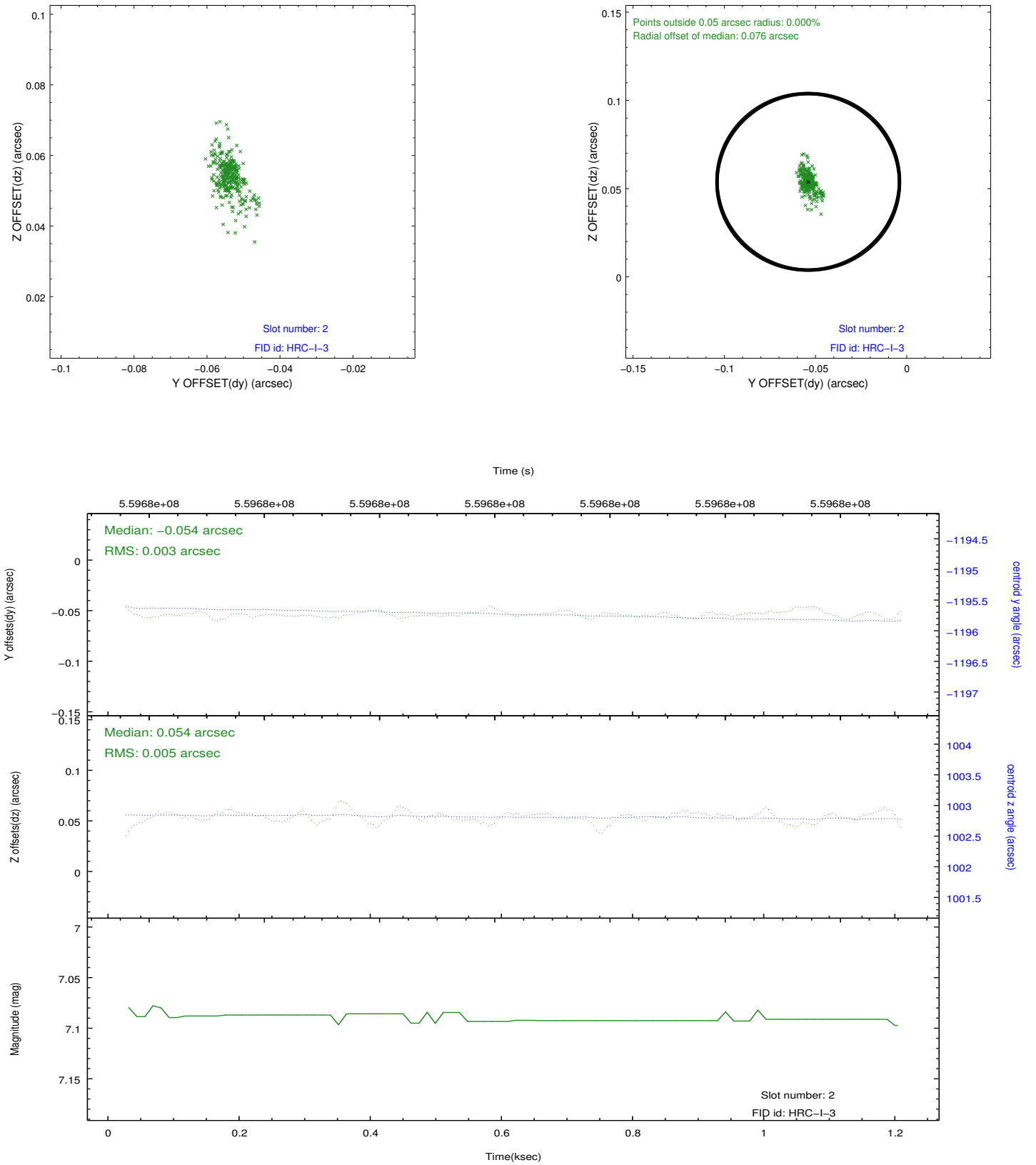
2.5.1 Slot 0



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

A.2 Comments