

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17371 - L2 Version 1
Chandra X-Ray Center

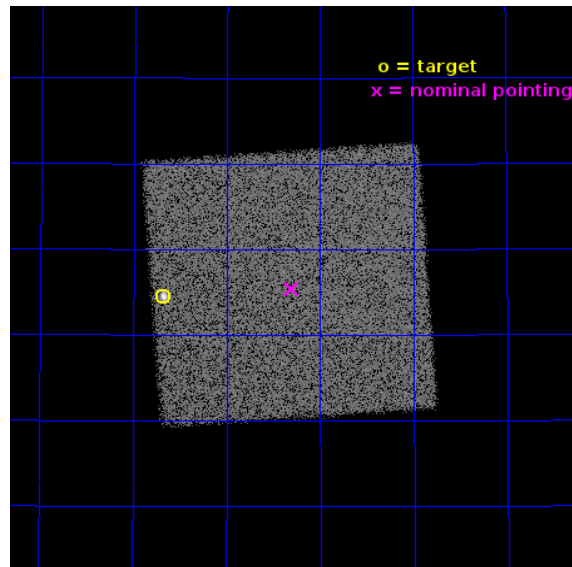
L2 Processing Date : Sep 27 2015

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1 Front

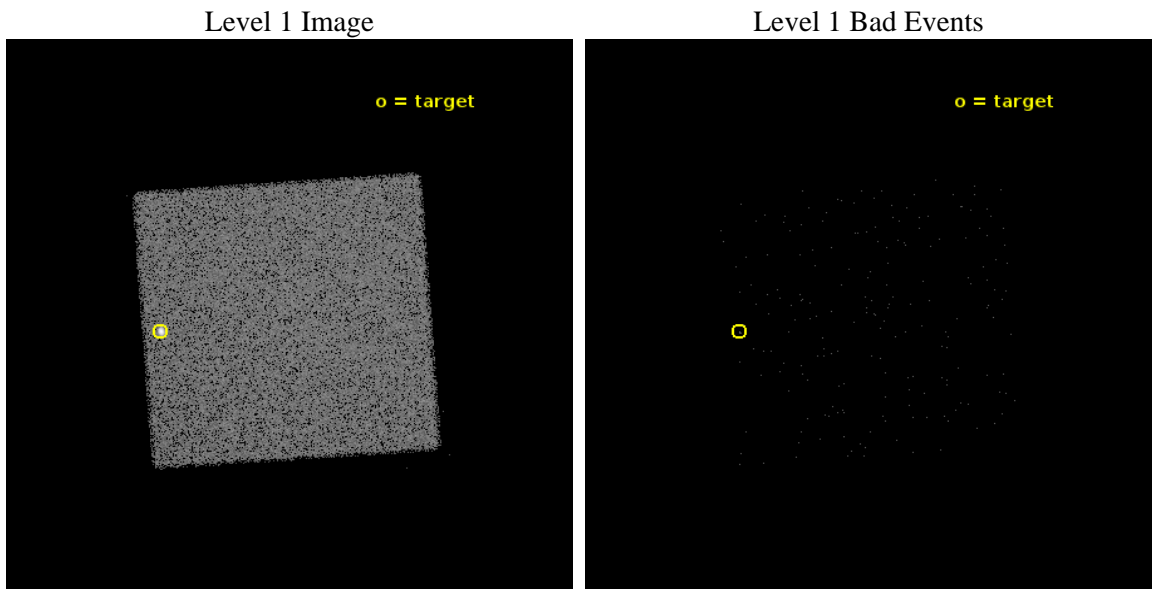
seq_num	291244	Sequence number
obs_id	17371	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.82691213882	Nominal RA [deg]
dec_nom	45.757142253057	Nominal Dec [deg]
roll_nom	220.95742712716	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1181.5688166618	[s]
livetime	1171.0822042412	Ontime multiplied by DTCOR
l2events	85977	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	1181.5688166618	[s]
caldbver	4.6.8	 	l1events	136780	Number of level 1 events
date	2015-09-27T05:28:12	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

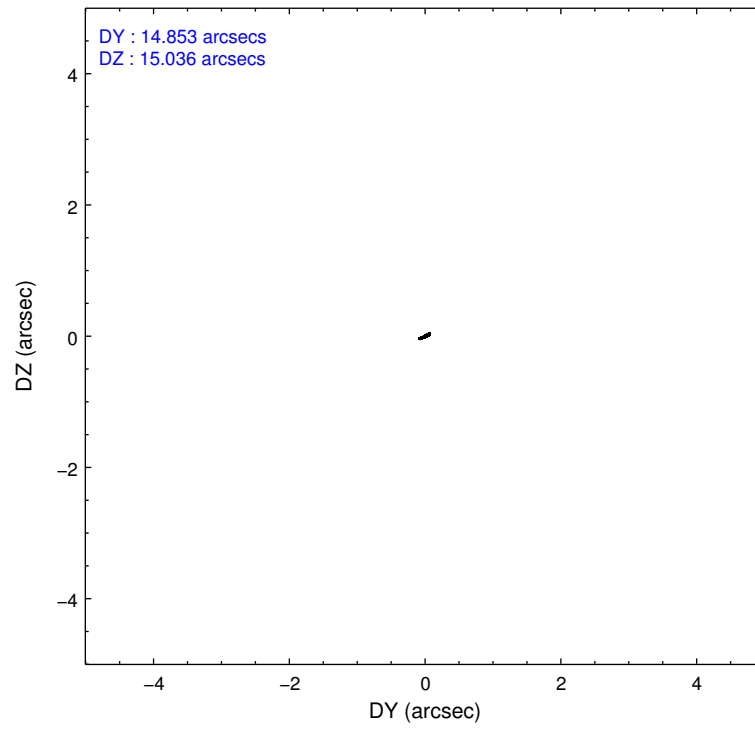
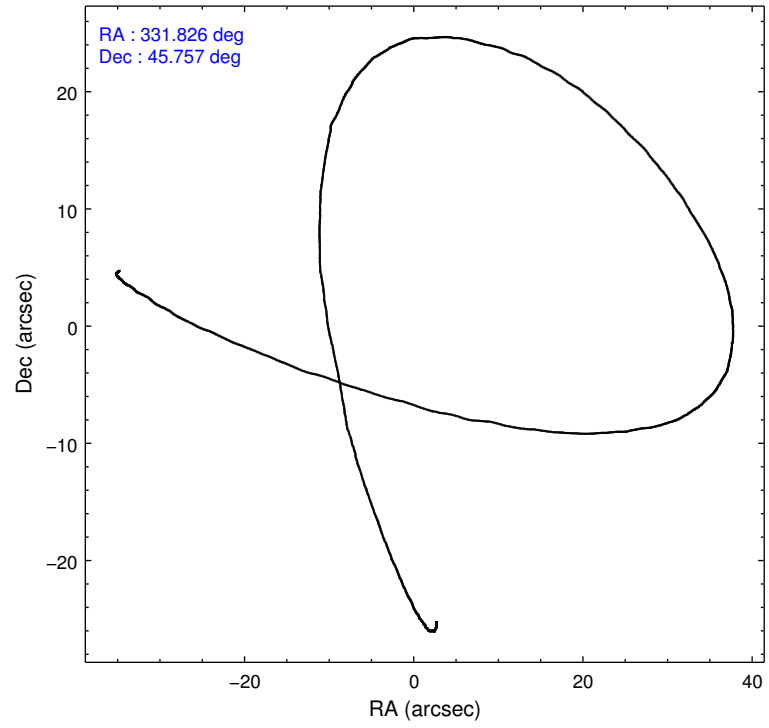
	segment 0
level 1 events	136780
rejected events	22831
rejected %	16%

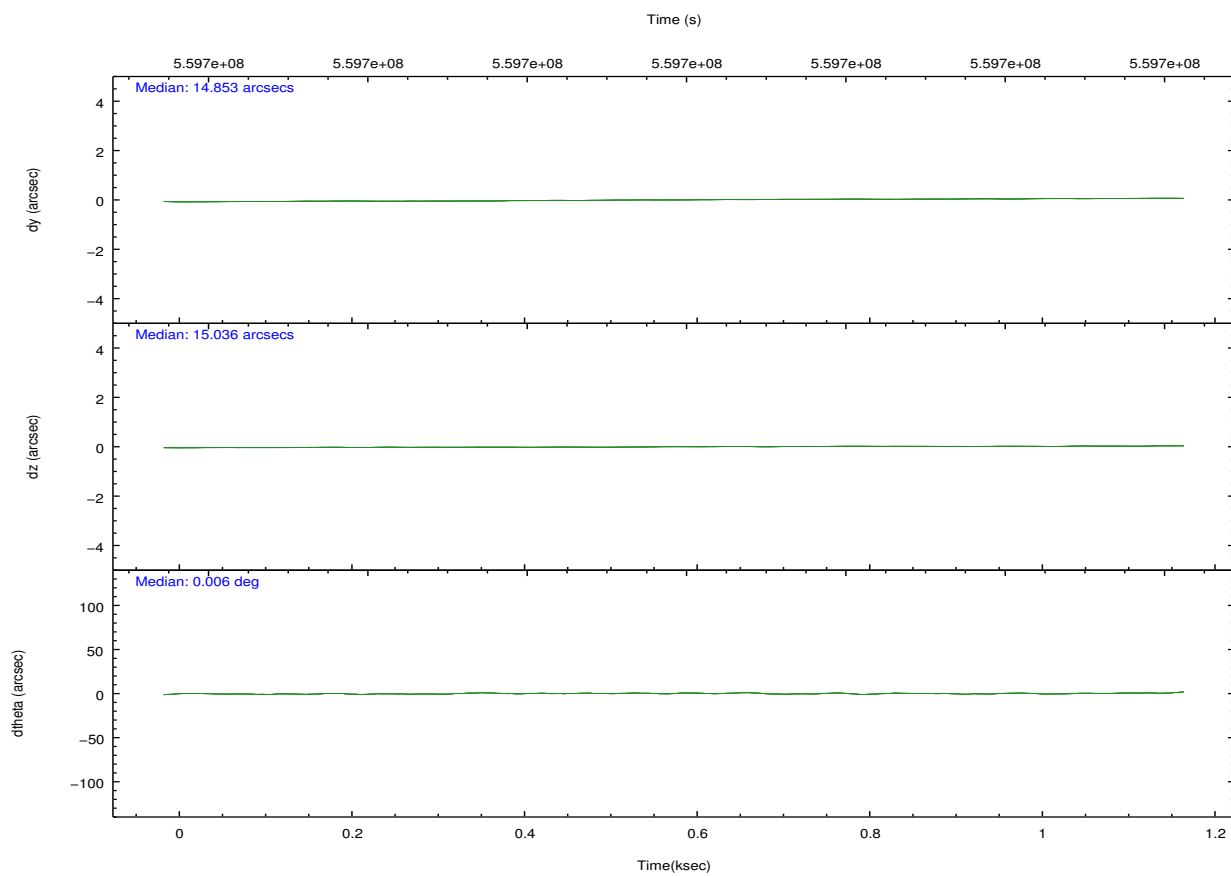
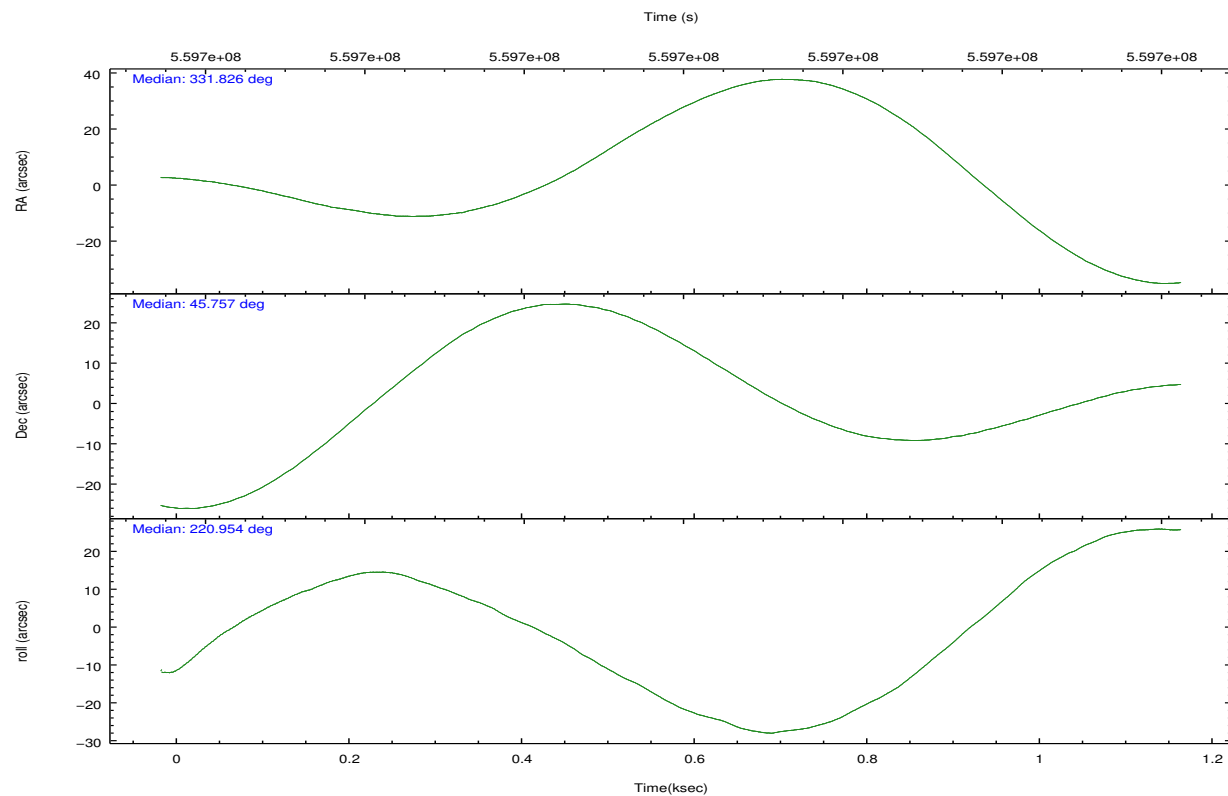
2.2 Compared Parameters

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	331.839214	331.8269121388204
[deg] Pointing Dec	45.783559	45.75714225305712
[deg] Pointing Roll	221.044117	220.9574271271591
[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)	559699172.184000	559698796.82013
Observation start date	2015-09-26T23:58:24	2015-09-26T23:53:16
[s] Observation end time (MET)	559700172.184000	559701365.4702801
Observation end date	2015-09-27T00:15:04	2015-09-27T00:36:05

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

2.3 Aspect



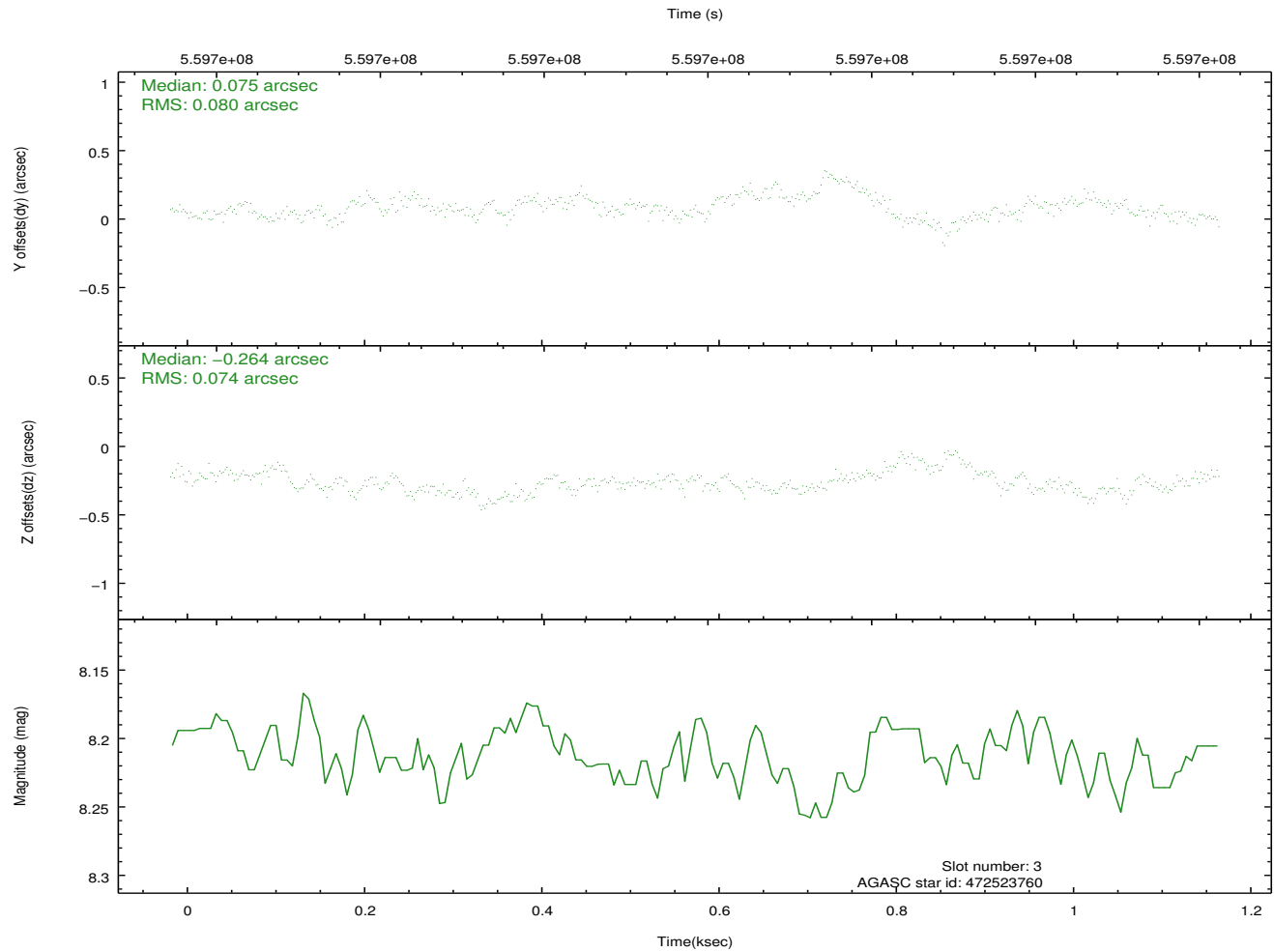
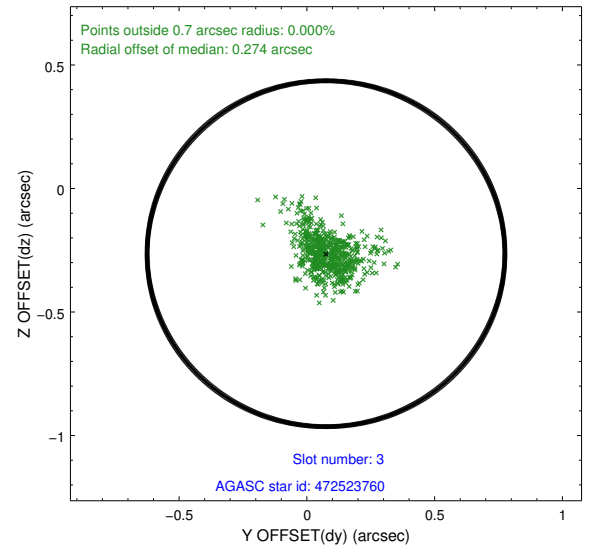
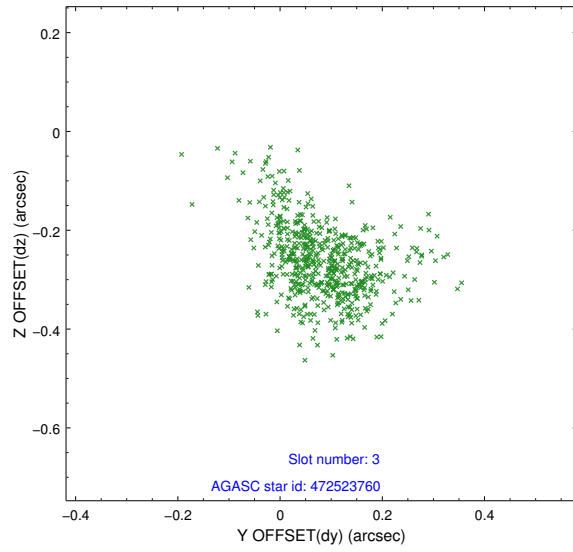


Slot Statistics

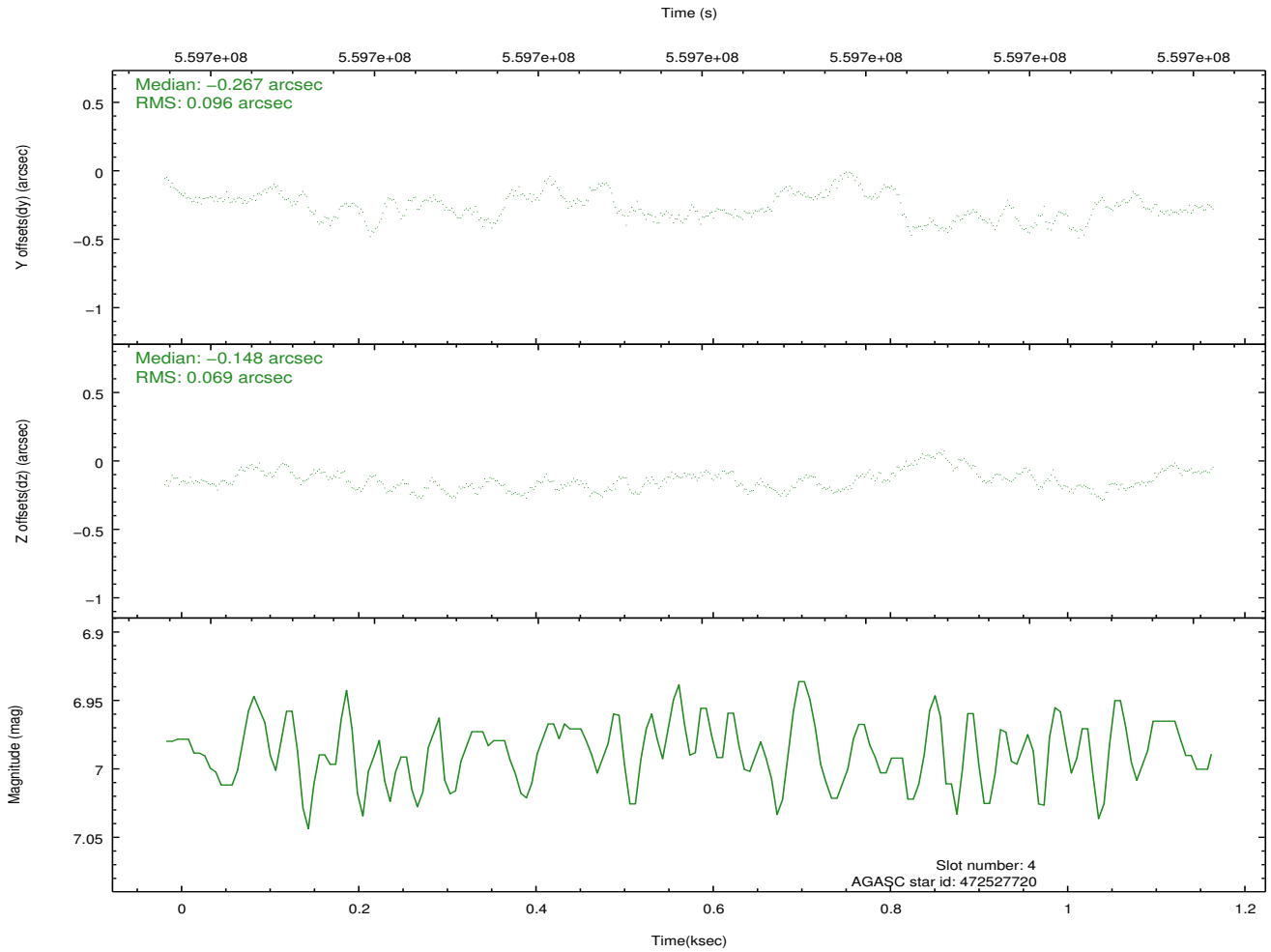
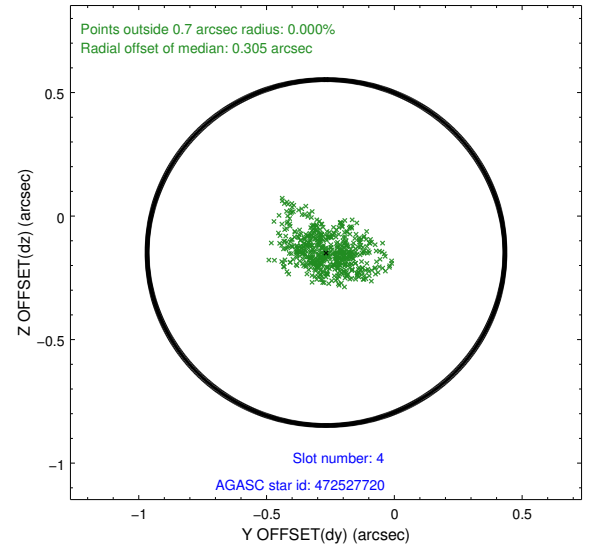
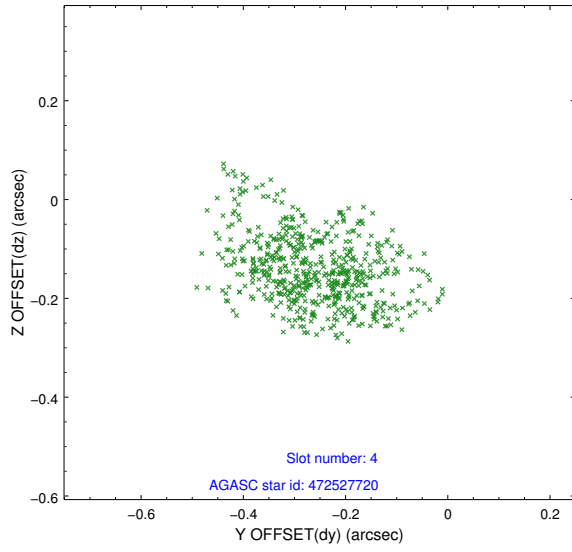
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	289	-0.194	-0.036	0.006	0.012	0.000000	0.000000	-770.77	-1303.19
1	FID		HRC-I-2	7.03	289	0.347	-0.113	0.006	0.011	0.000000	0.000000	839.73	-1309.27
2	FID		HRC-I-3	7.09	289	-0.034	0.059	0.005	0.010	0.000000	0.000000	-1196.31	996.92
3	GUIDE	used	472523760	8.21	578	0.075	-0.264	0.108	0.201	331.645363	45.403260	1267.02	709.92
4	GUIDE	used	472527720	6.99	578	-0.267	-0.148	0.122	0.212	331.460205	45.112509	2311.58	1189.02
5	GUIDE	used	472535576	7.86	578	0.074	0.146	0.110	0.190	331.438373	46.291802	-448.19	-2034.67
6	GUIDE	used	472655152	9.35	578	-0.054	-0.036	0.358	0.737	332.504239	45.862991	-1451.97	870.09
7	GUIDE	used	472536328	8.12	577	0.180	0.320	0.137	0.216	331.496671	46.454831	-950.80	-2380.38

2.4 Star Slots

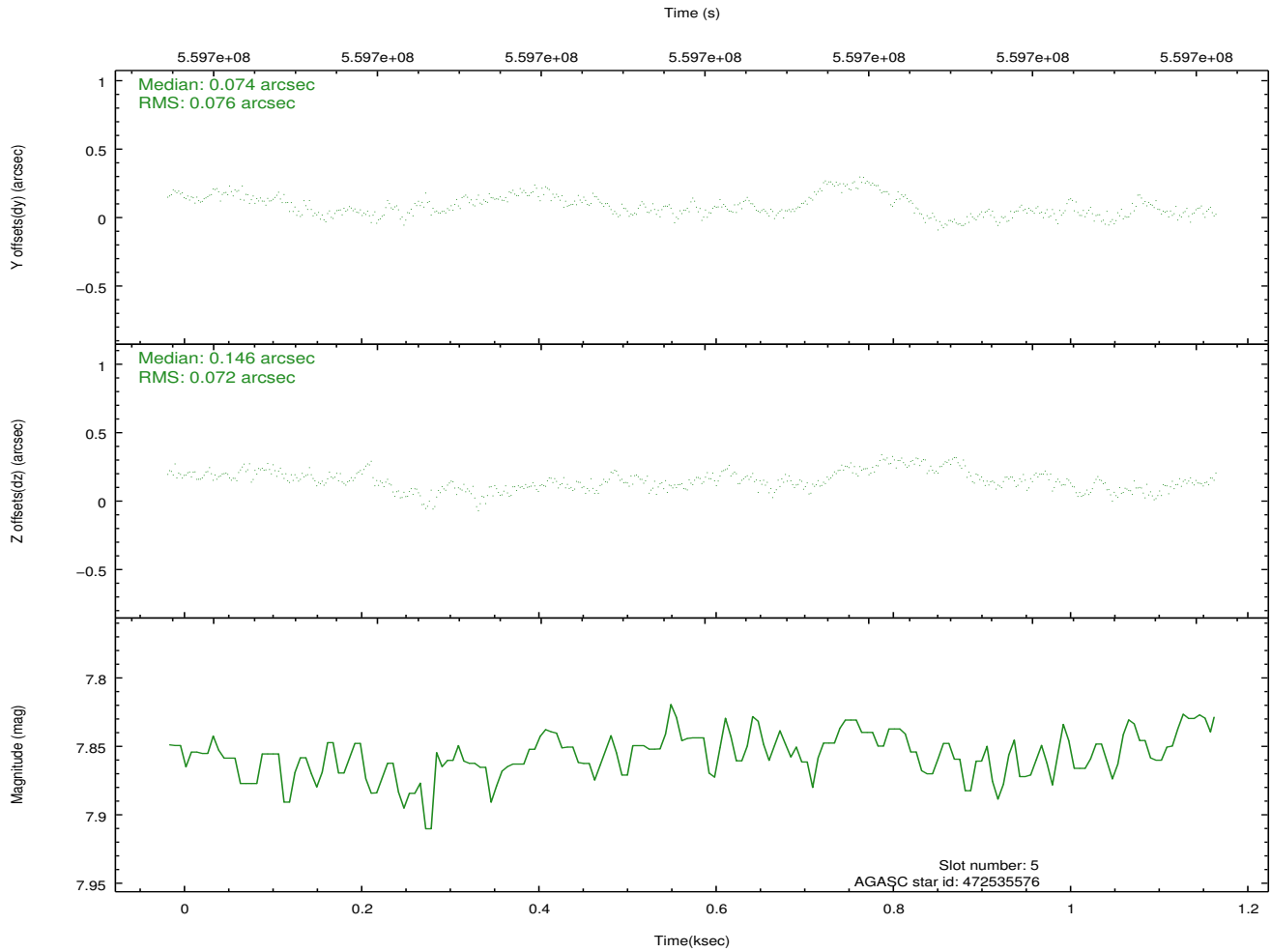
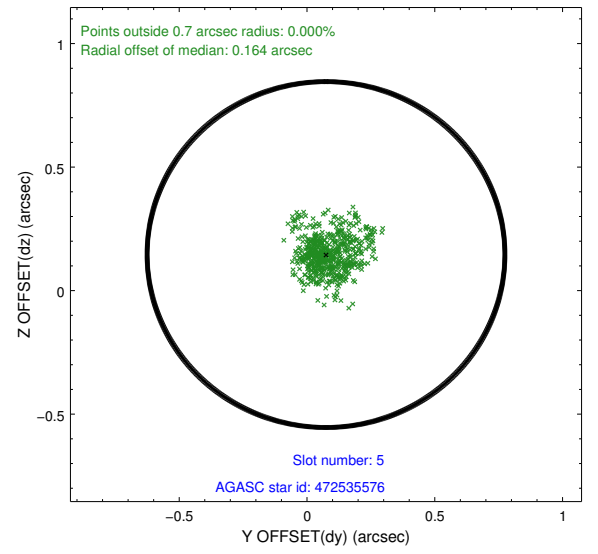
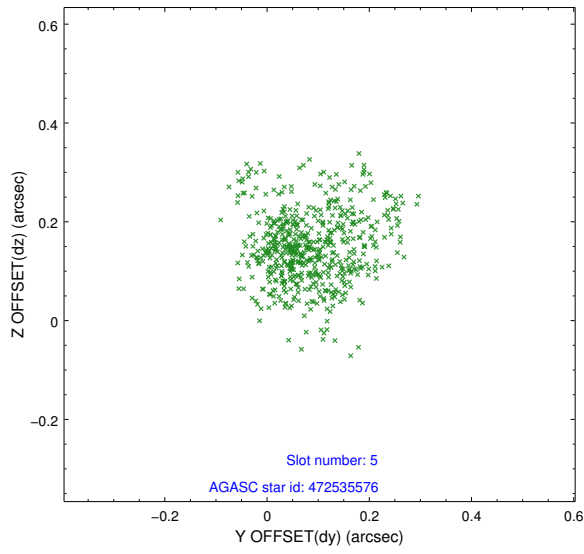
2.4.1 Slot 3



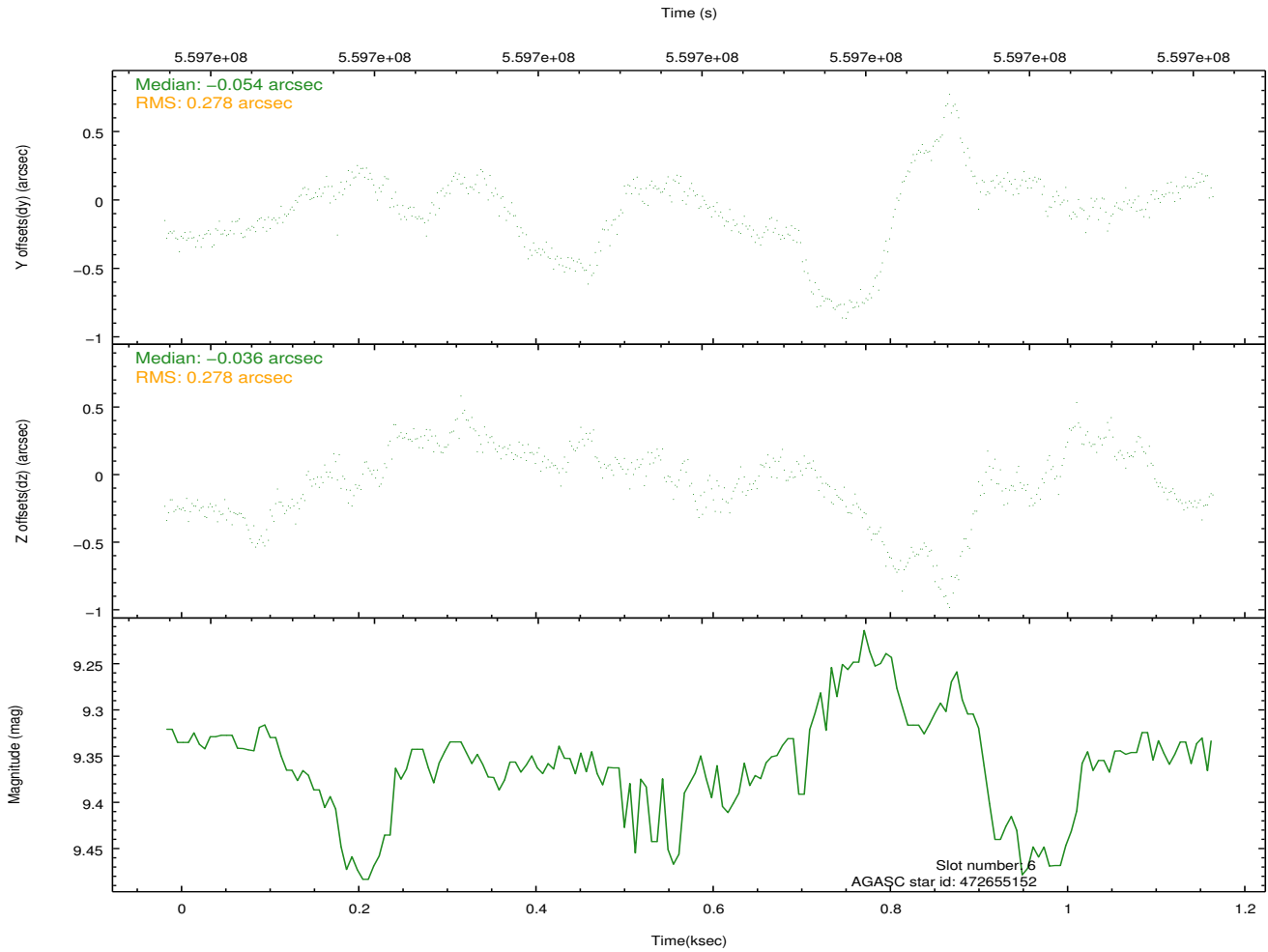
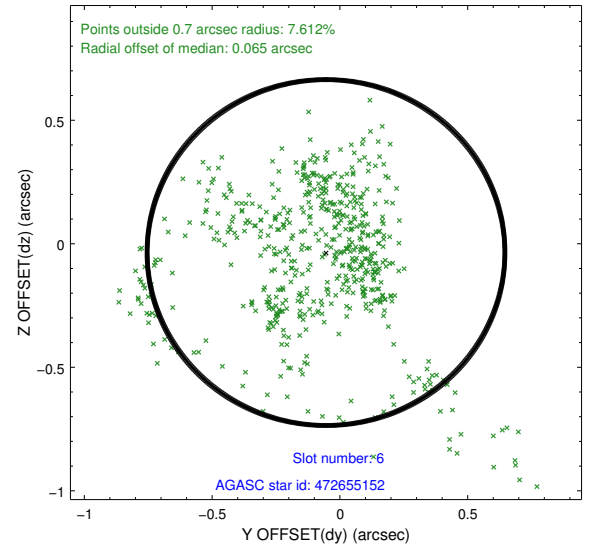
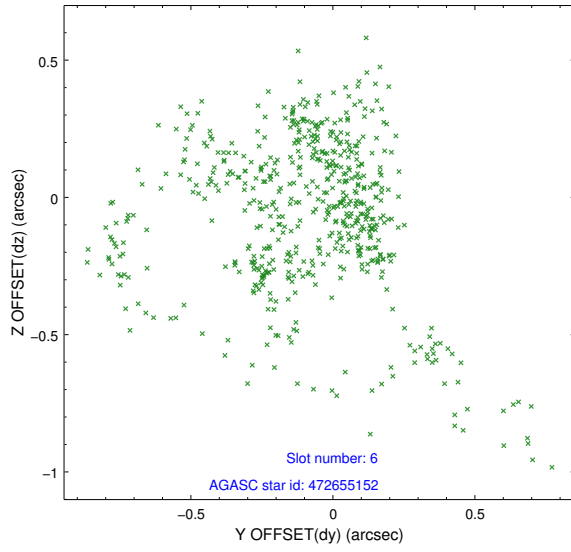
2.4.2 Slot 4



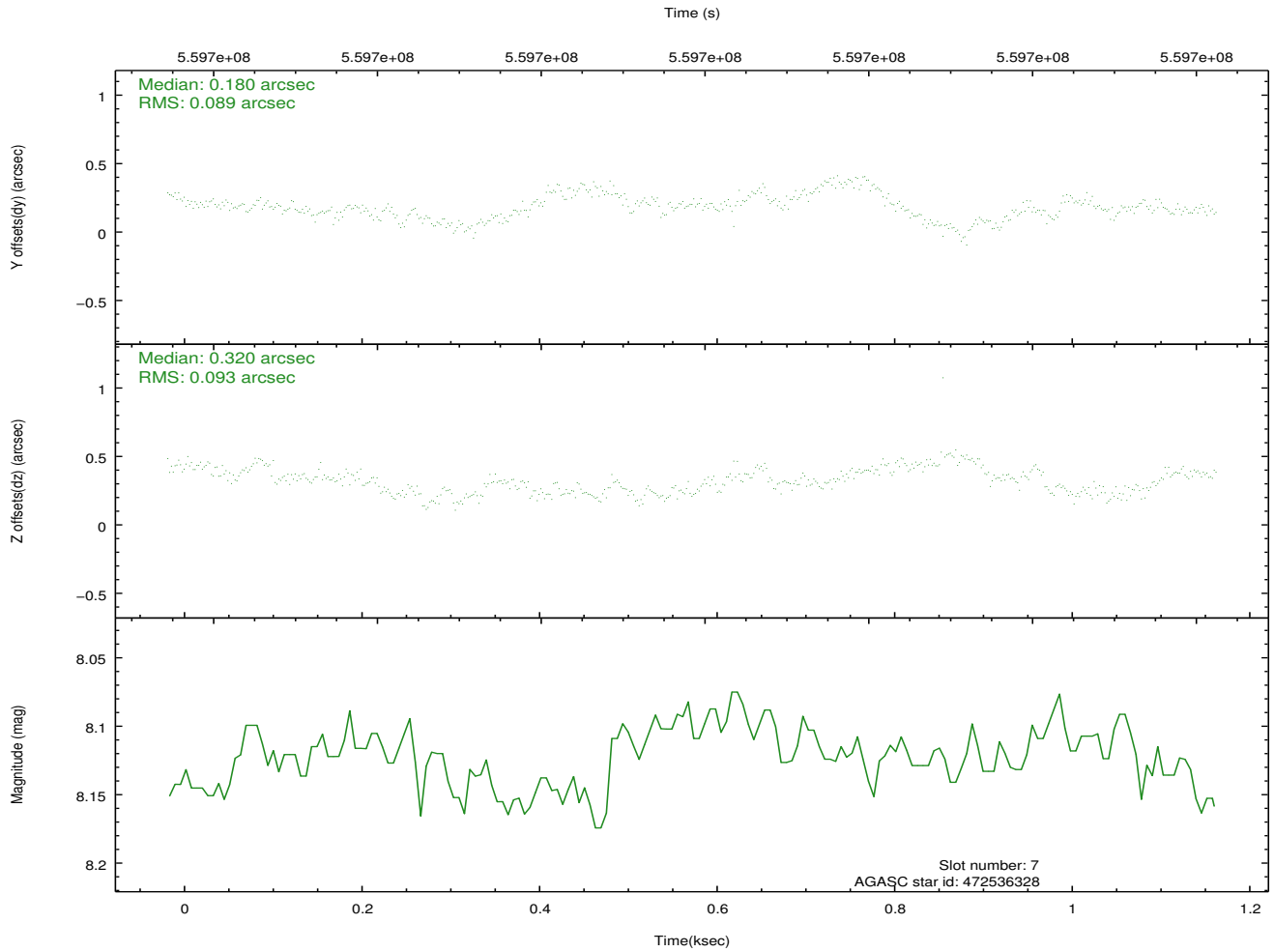
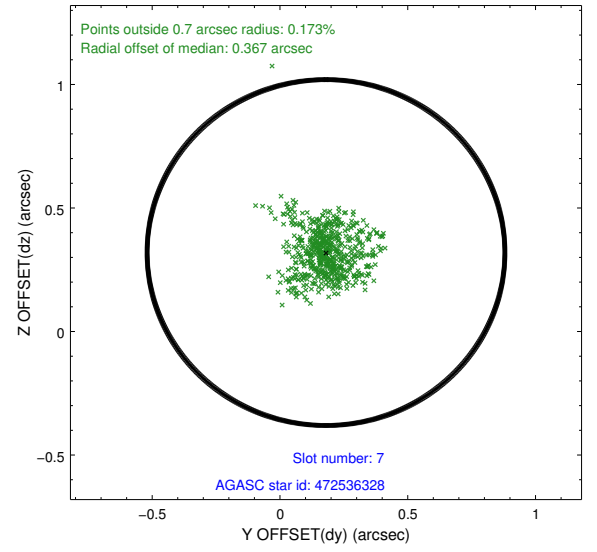
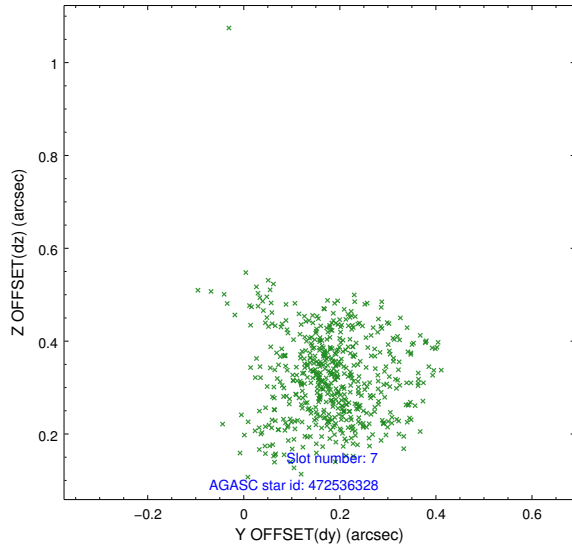
2.4.3 Slot 5



2.4.4 Slot 6

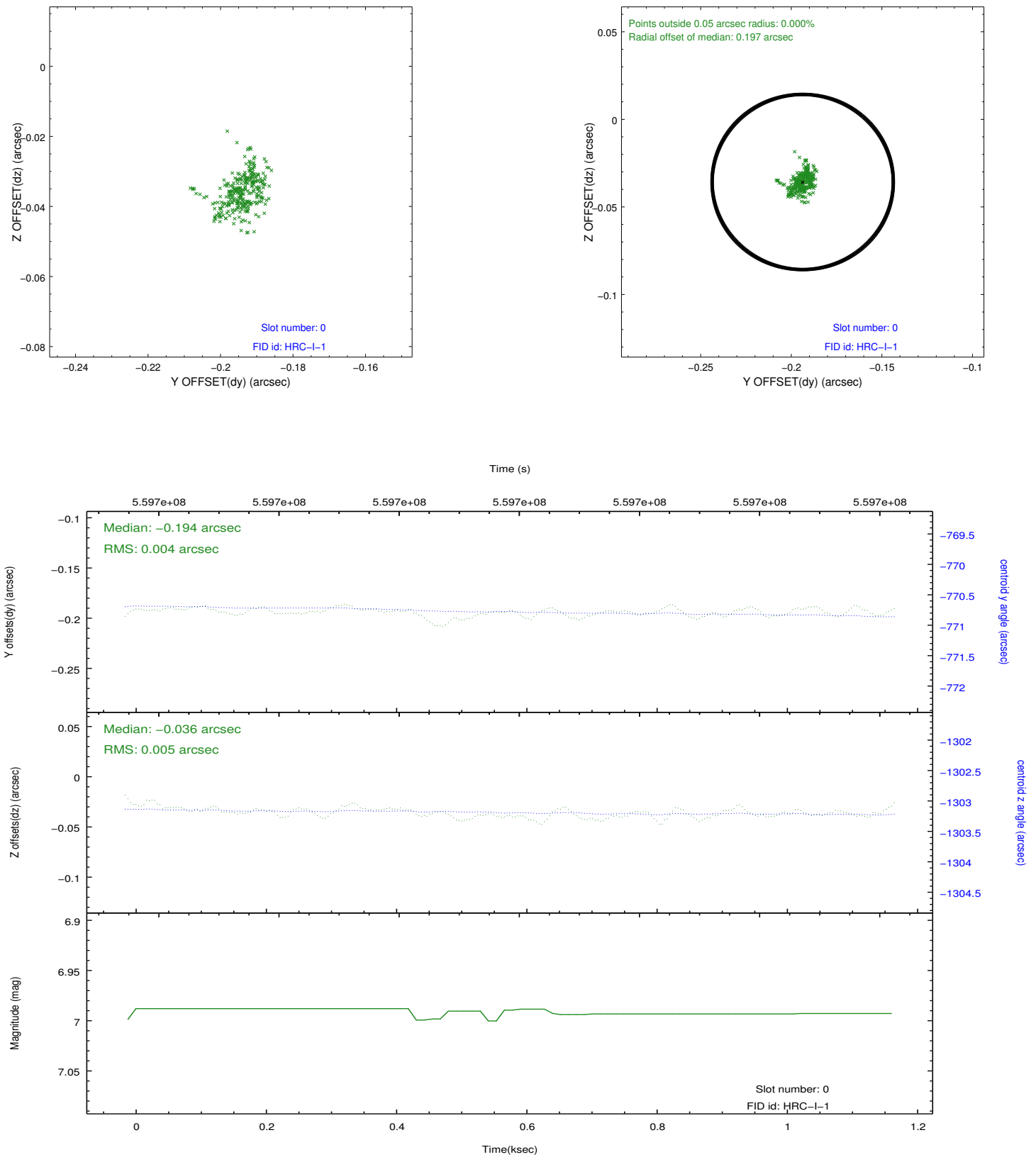


2.4.5 Slot 7

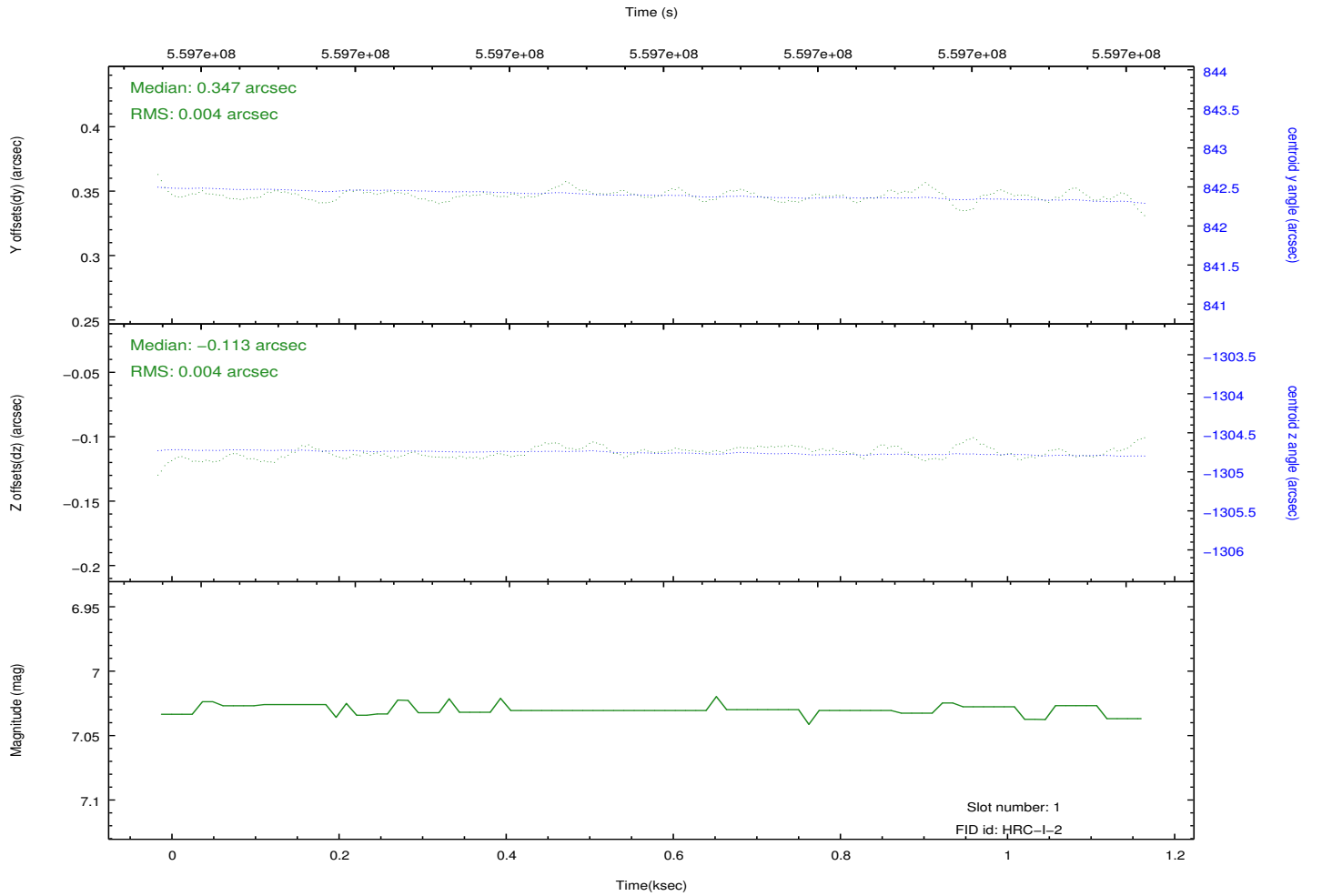
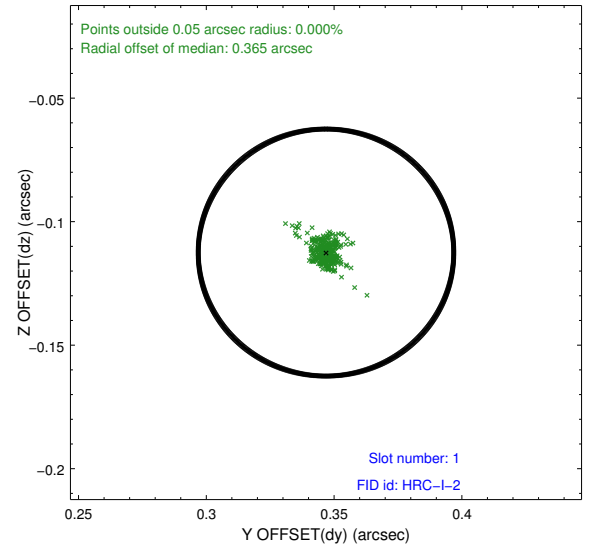
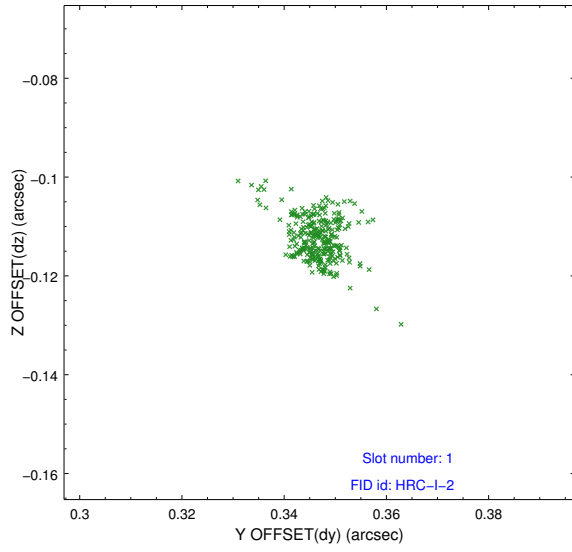


2.5 FID Slots

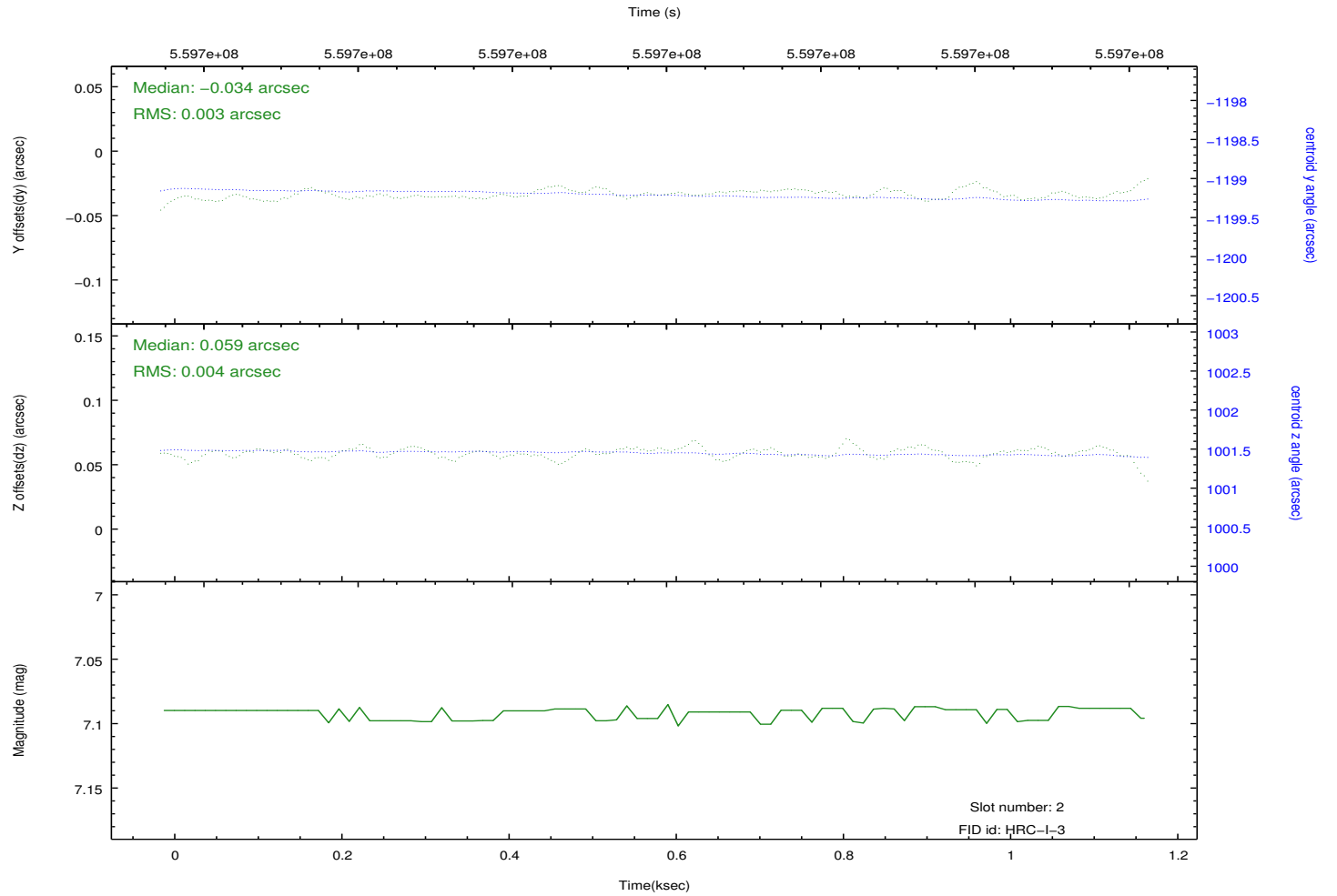
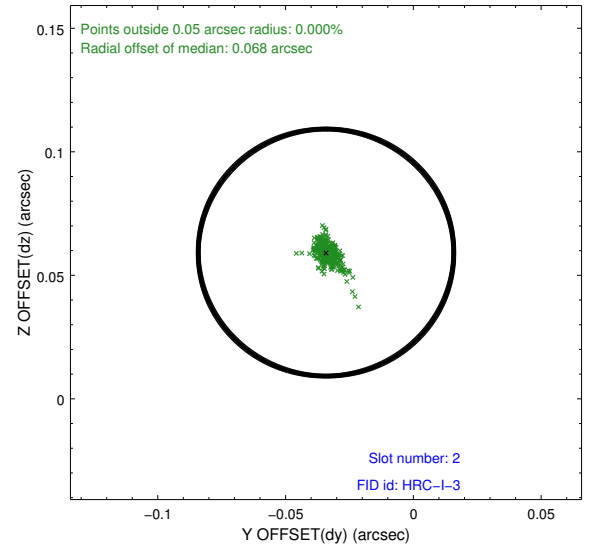
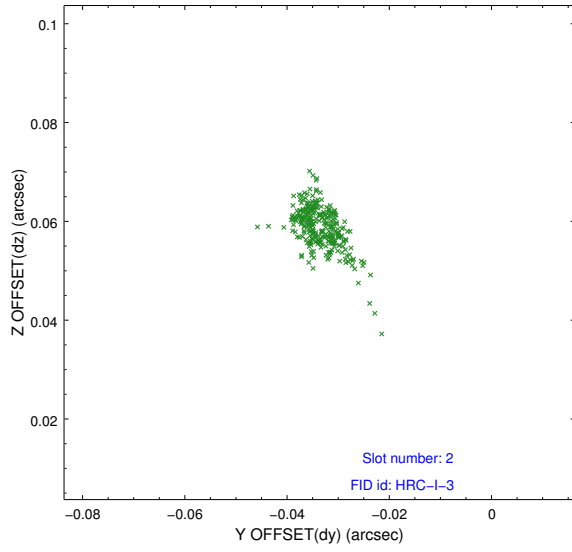
2.5.1 Slot 0



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	1.1815688166618

A.2 Comments