

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17357 - L2 Version 1
Chandra X-Ray Center

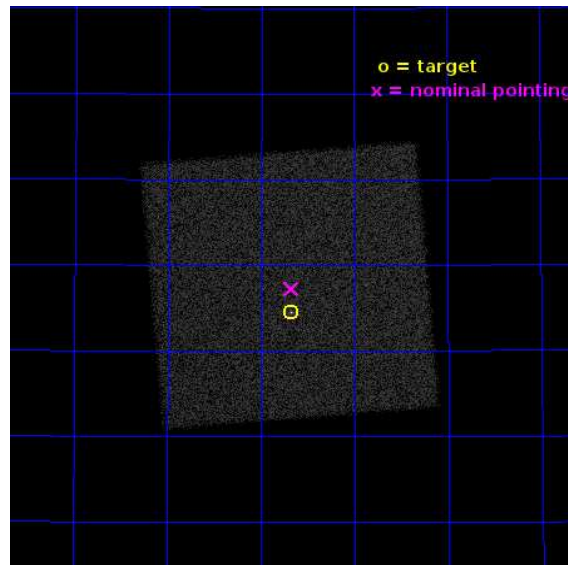
L2 Processing Date : Sep 27 2015

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1 Front

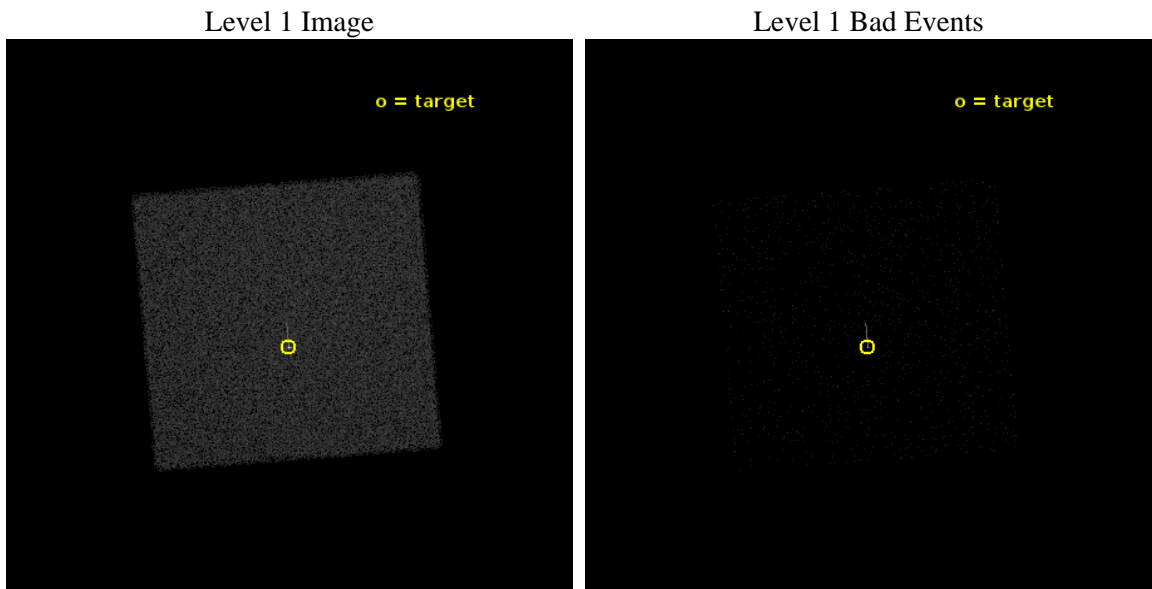
seq_num	291230	Sequence number
obs_id	17357	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16892193844	Nominal RA [deg]
dec_nom	45.78775779801	Nominal Dec [deg]
roll_nom	220.26981480378	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1186.181317091	[s]
livetime	1175.4926373779	Ontime multiplied by DTCOR
l2events	88539	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	1186.181317091	[s]
caldbver	4.6.8	 	l1events	148282	Number of level 1 events
date	2015-09-27T05:23:06	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

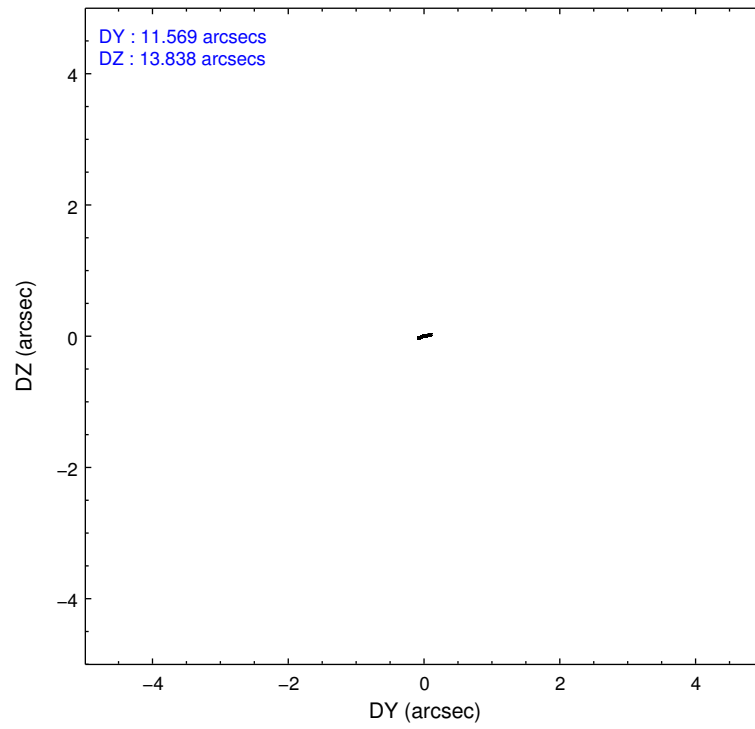
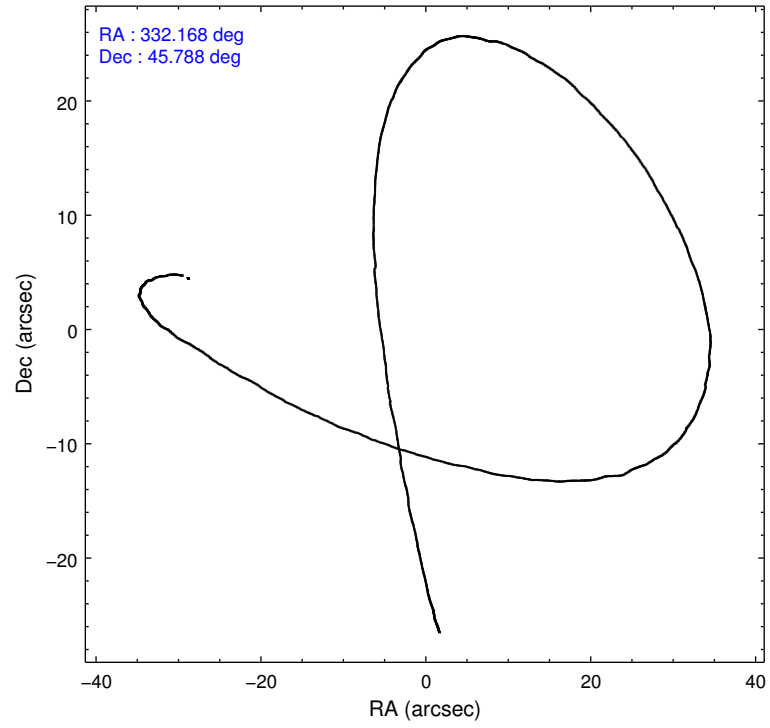
Level 1 Events

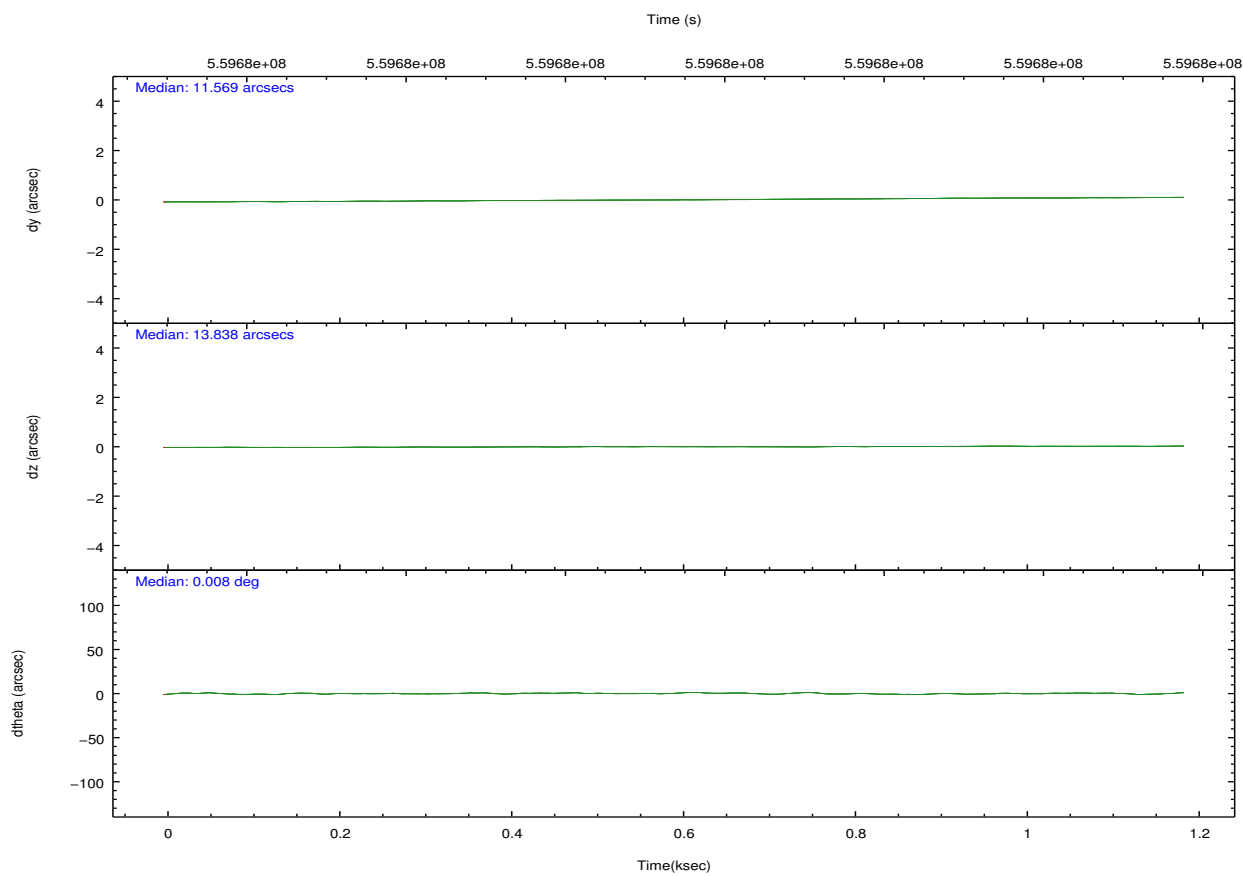
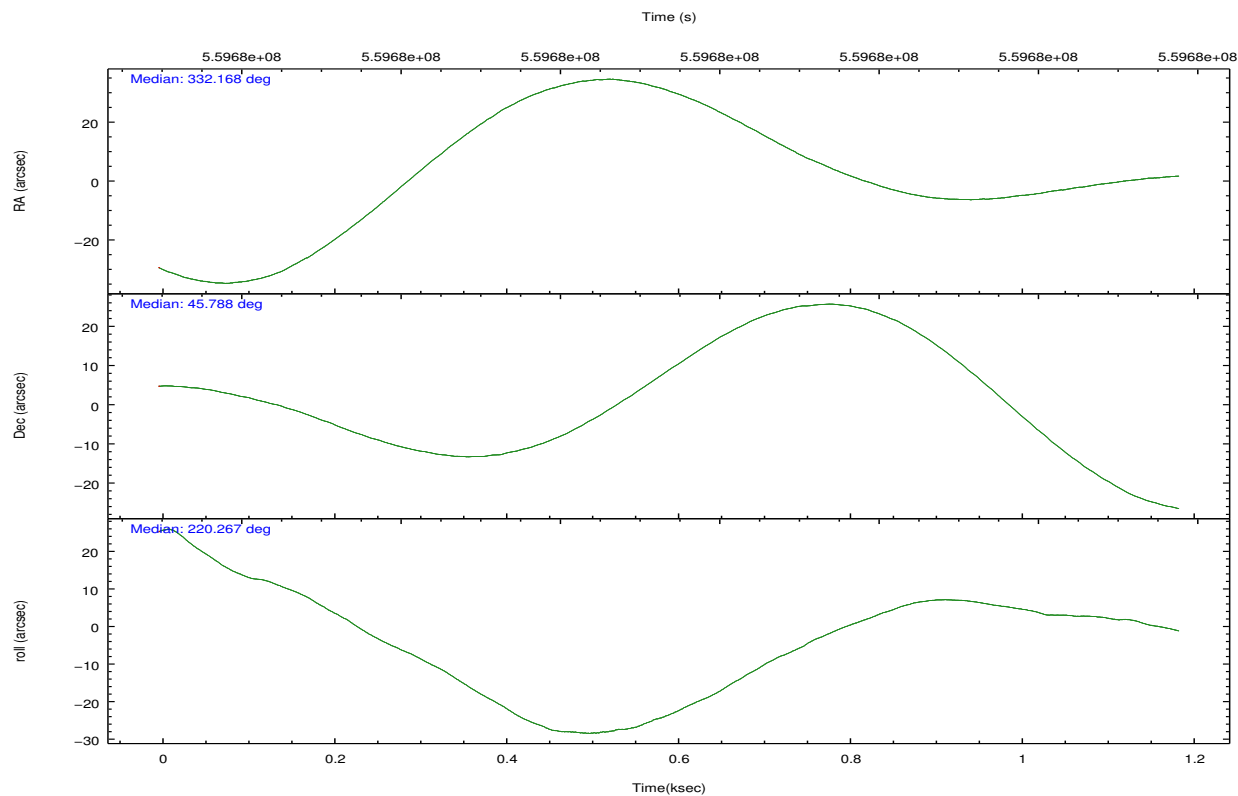
	segment 0
level 1 events	148282
rejected events	31732
rejected %	21%

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	332.182036	332.168921938436			
[deg] Pointing Dec	45.813753	45.78775779800964			
[deg] Pointing Roll	220.355807	220.2698148037761			
[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)	559679542.184000	559679166.53153			
Observation start date	2015-09-26T18:31:14	2015-09-26T18:26:06			
[s] Observation end time (MET)	559680542.184000	559680676.86911			
Observation end date	2015-09-26T18:47:54	2015-09-26T18:51:16			

2.3 Aspect



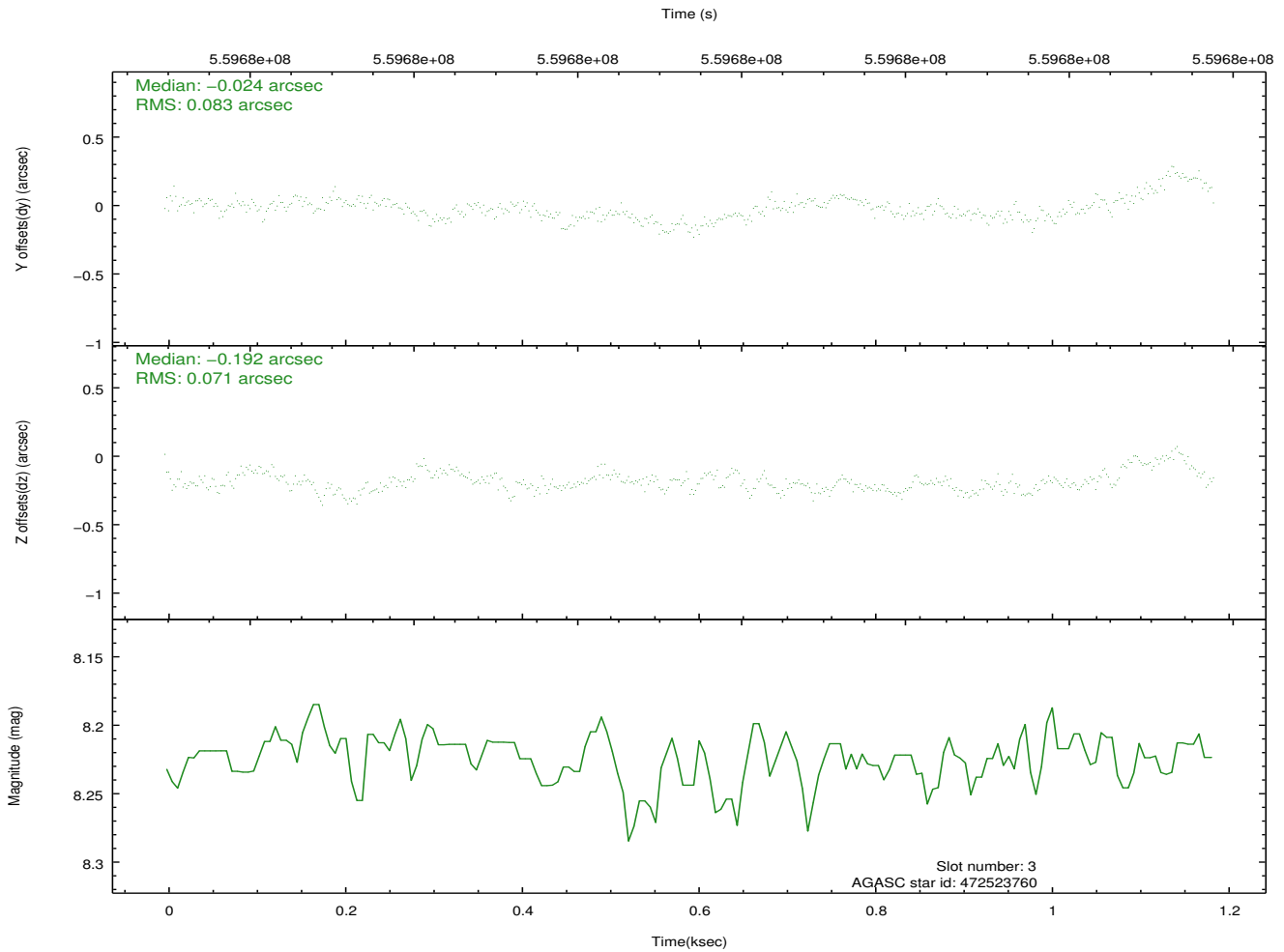
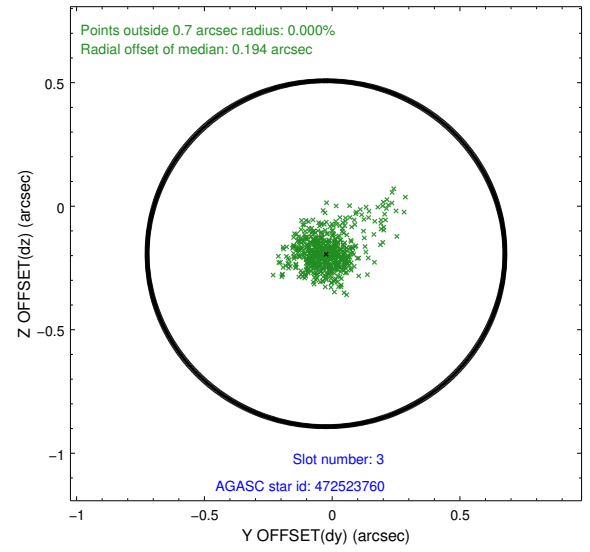
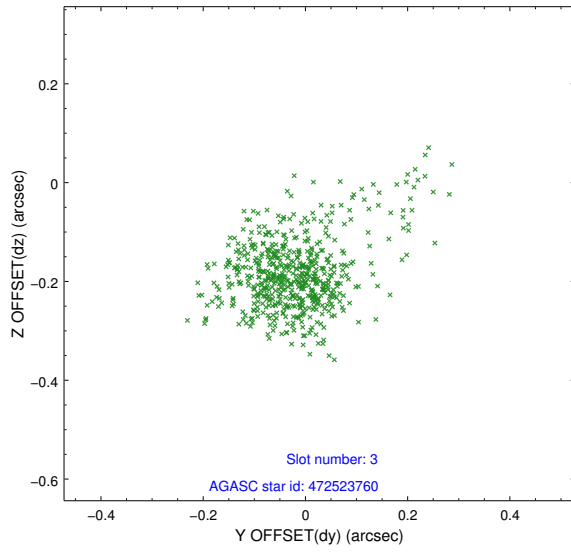


Slot Statistics

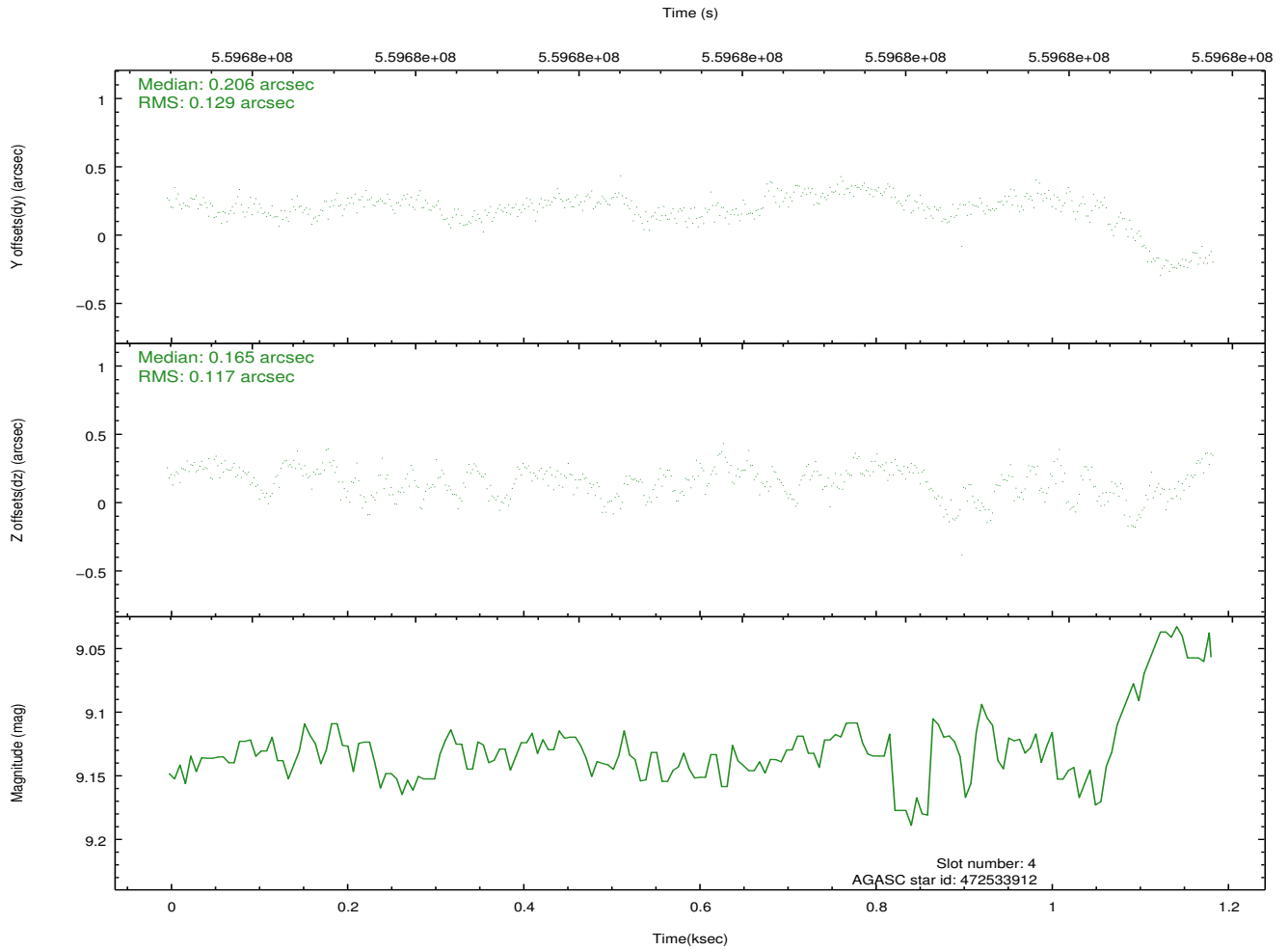
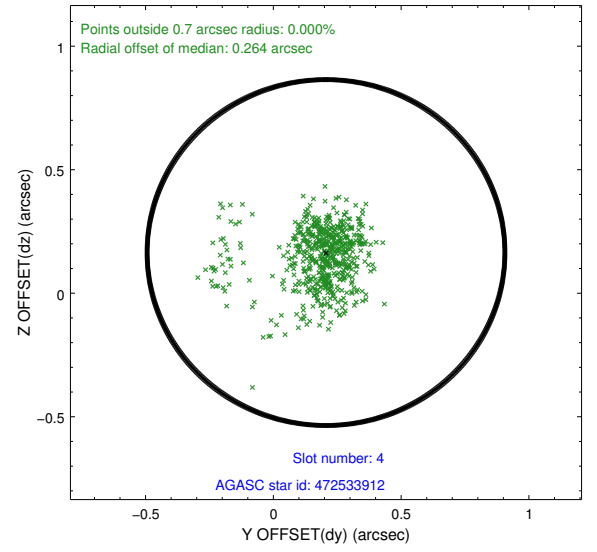
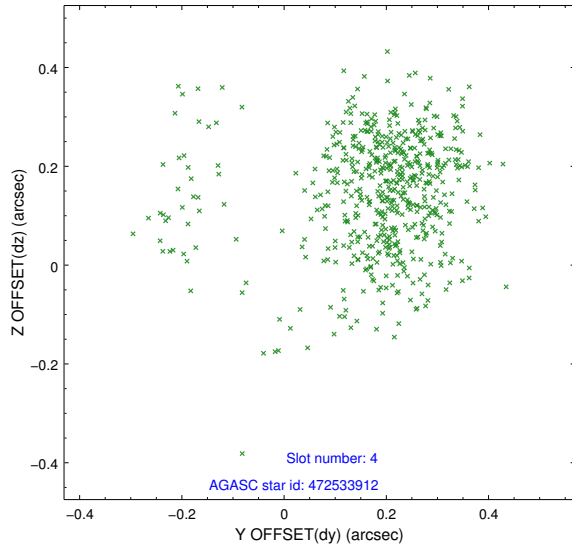
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.02	290	0.112	-0.142	0.006	0.011	0.000000	0.000000	845.47	-1303.59
1	FID		HRC-I-3	7.09	290	-0.255	0.058	0.006	0.010	0.000000	0.000000	-1193.11	998.24
2	FID		HRC-I-4	7.01	290	0.262	-0.002	0.007	0.012	0.000000	0.000000	1271.65	1003.73
3	GUIDE	used	472523760	8.22	580	-0.024	-0.192	0.104	0.215	331.645363	45.403260	1986.63	245.40
4	GUIDE	used	472533912	9.13	580	0.206	0.165	0.152	0.395	331.791136	46.368695	-552.68	-2151.24
5	GUIDE	used	472654568	9.38	580	-0.001	0.039	0.163	0.256	332.194449	45.063576	1722.49	2076.12
6	GUIDE	used	472655152	9.42	578	0.067	-0.053	0.171	0.257	332.504239	45.862991	-729.45	391.63
7	GUIDE	used	472659832	9.42	579	-0.218	0.054	0.178	0.324	332.780399	46.098139	-1807.48	184.66

2.4 Star Slots

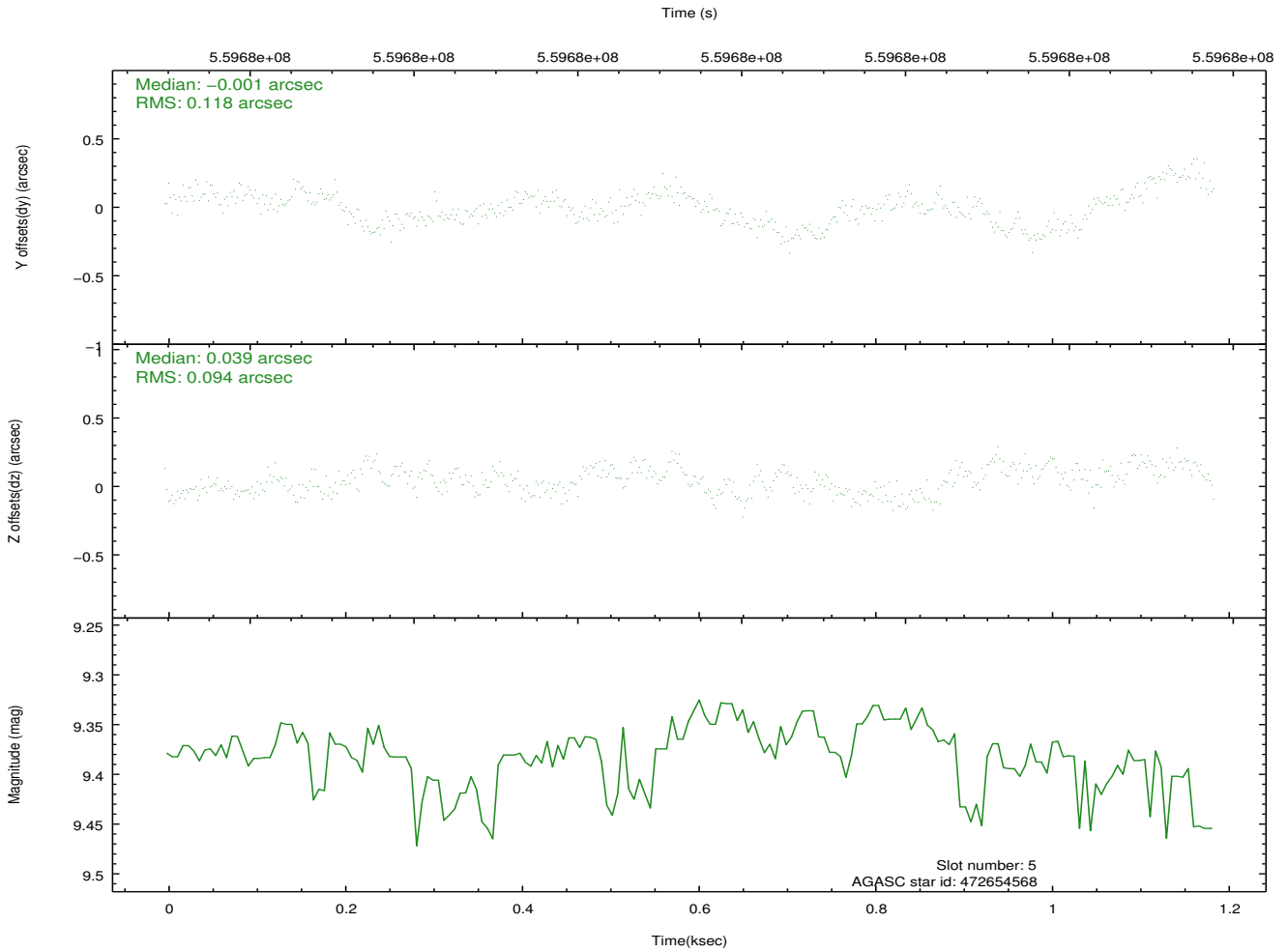
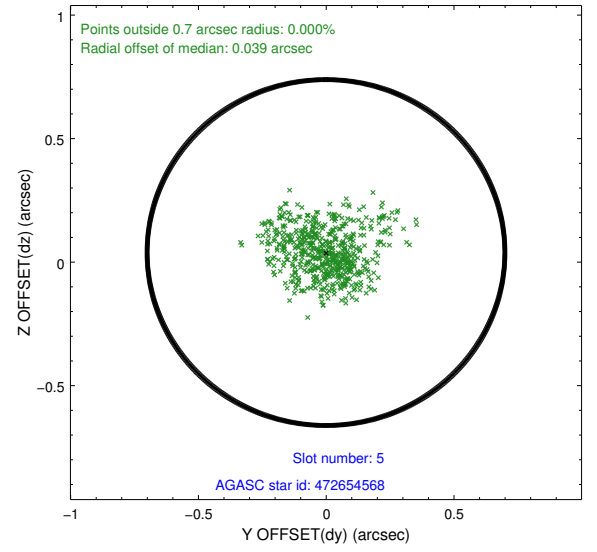
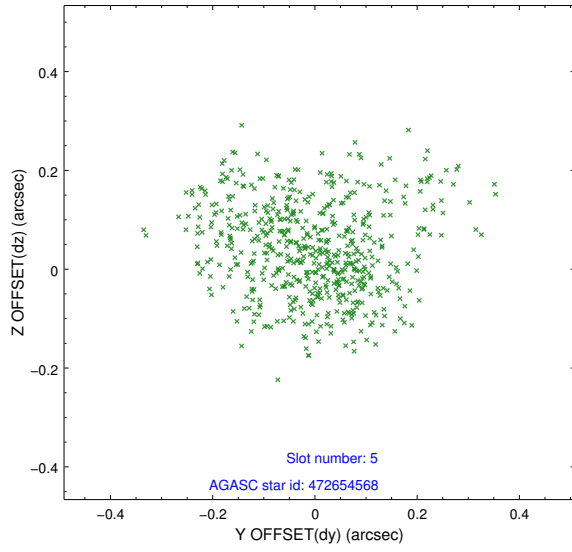
2.4.1 Slot 3



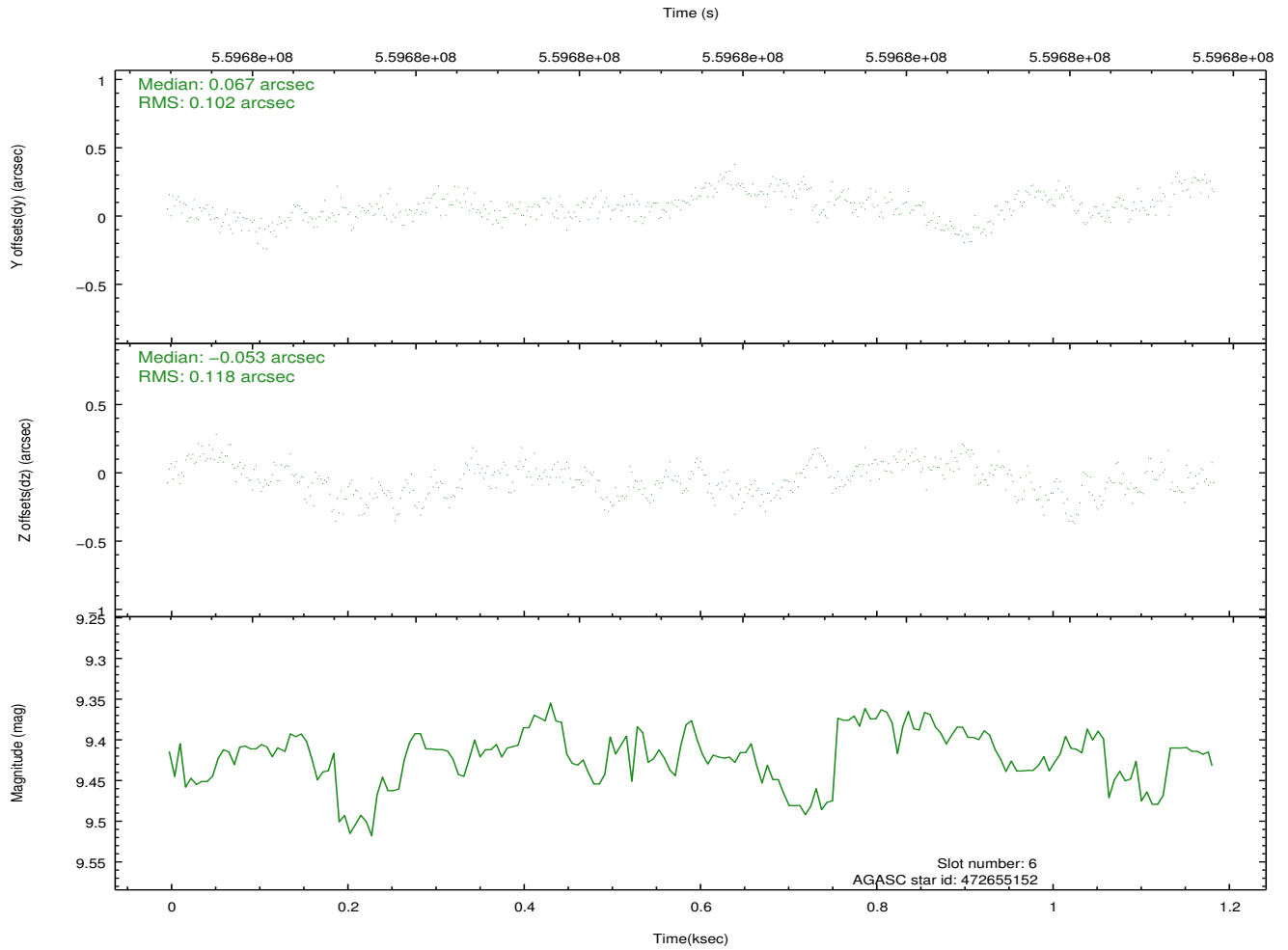
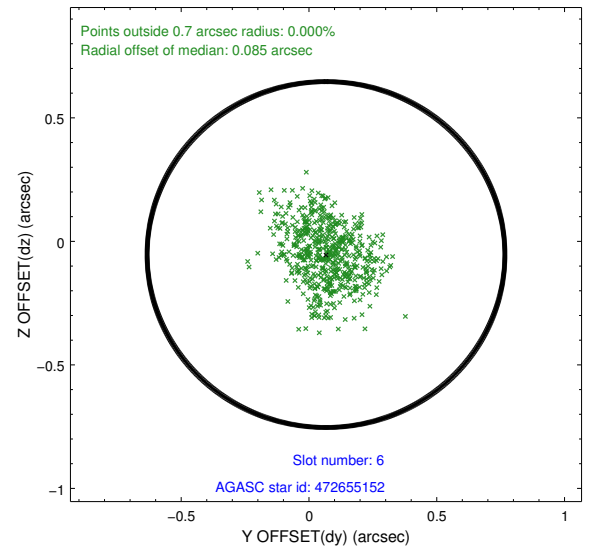
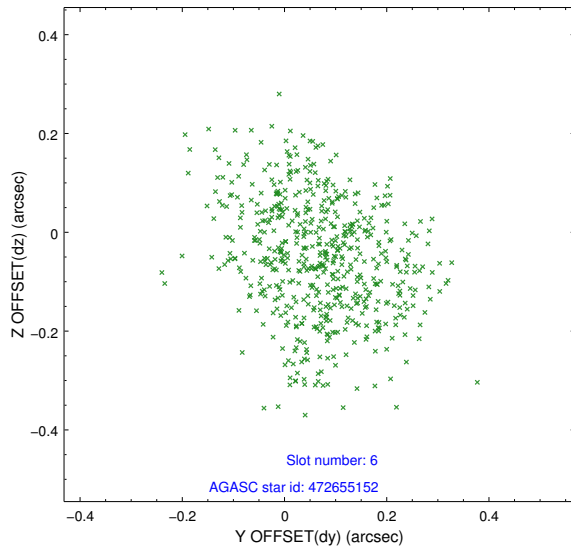
2.4.2 Slot 4



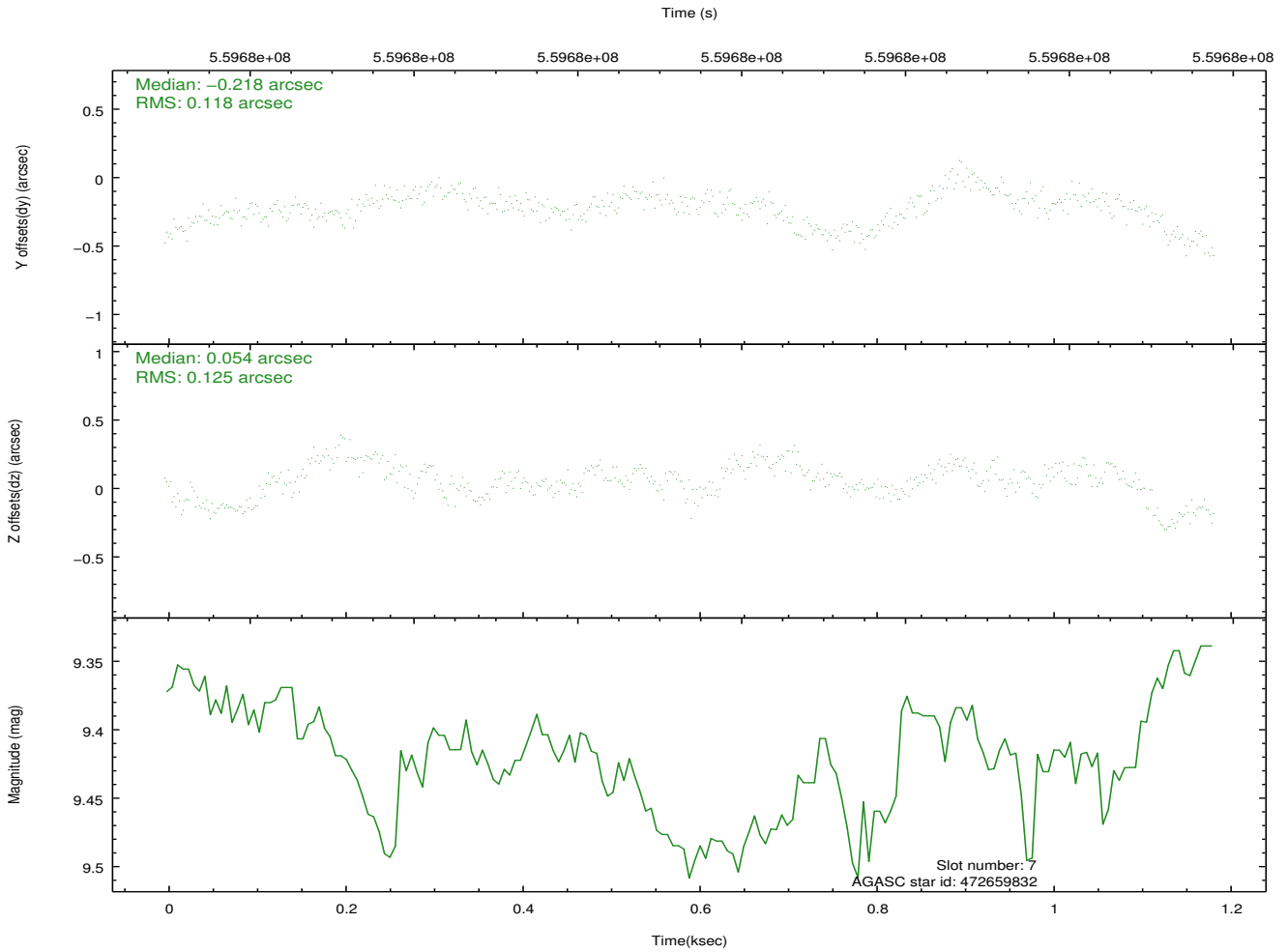
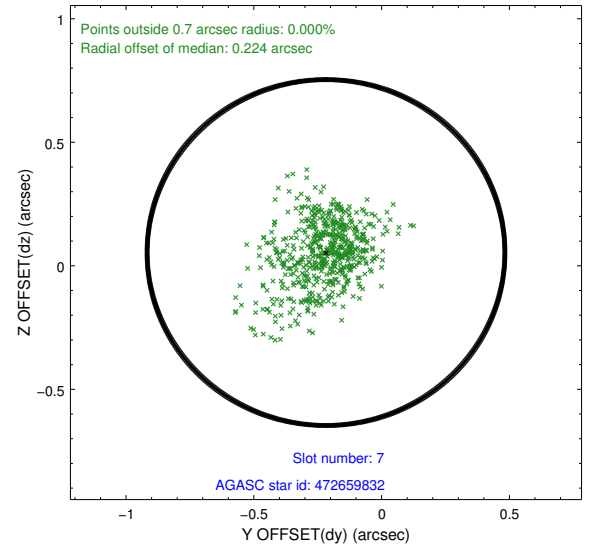
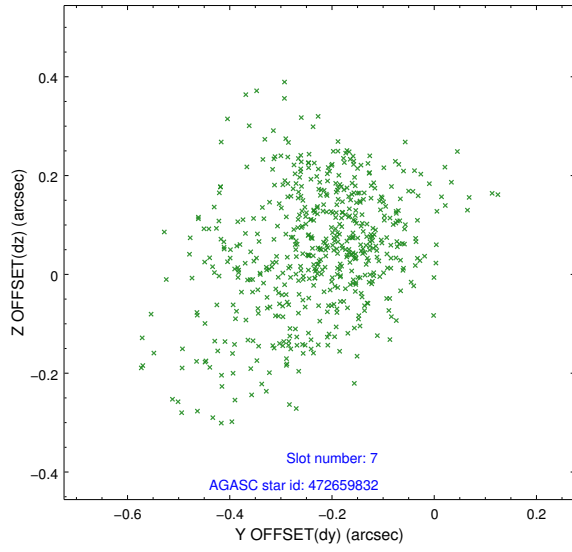
2.4.3 Slot 5



2.4.4 Slot 6

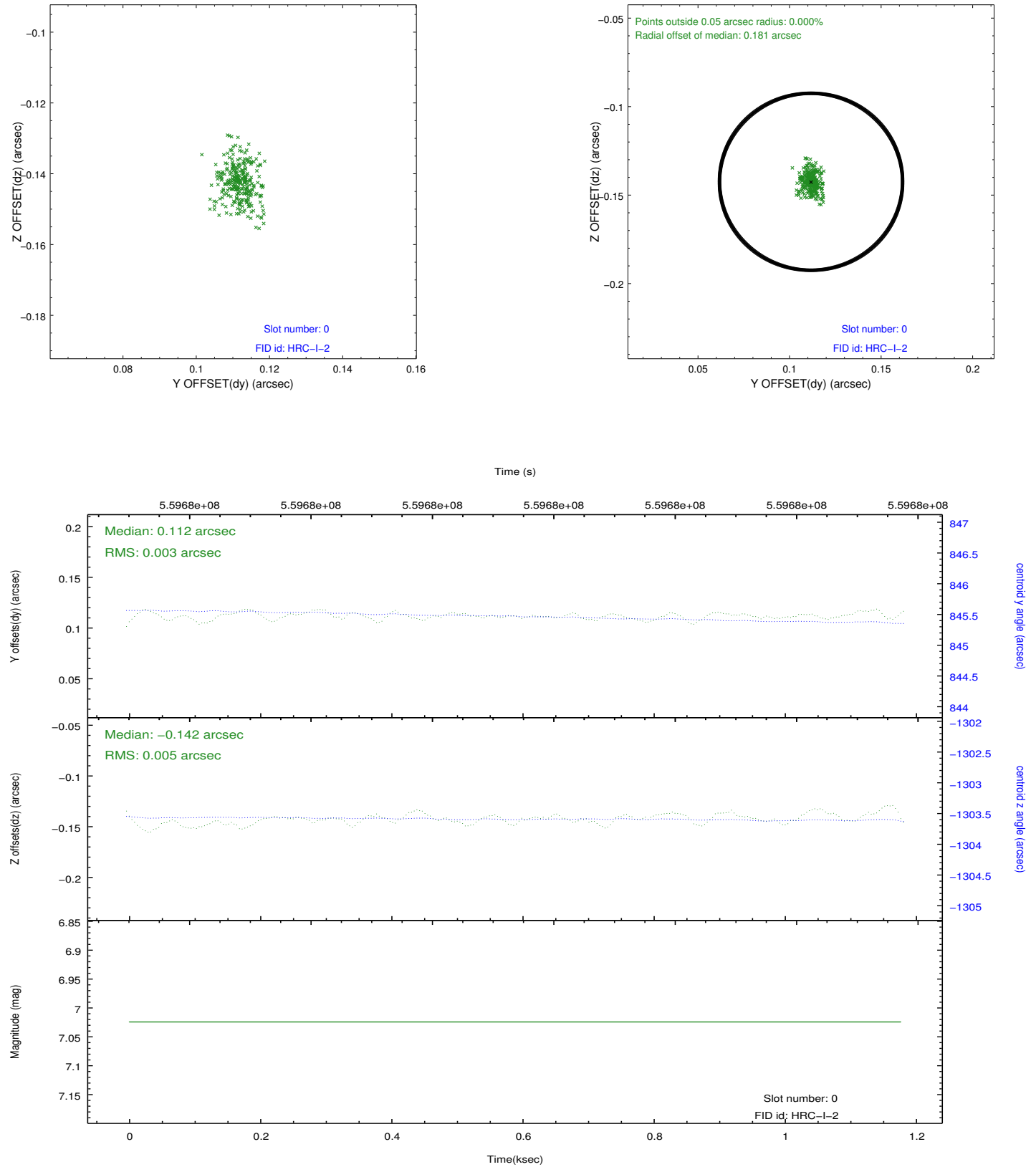


2.4.5 Slot 7

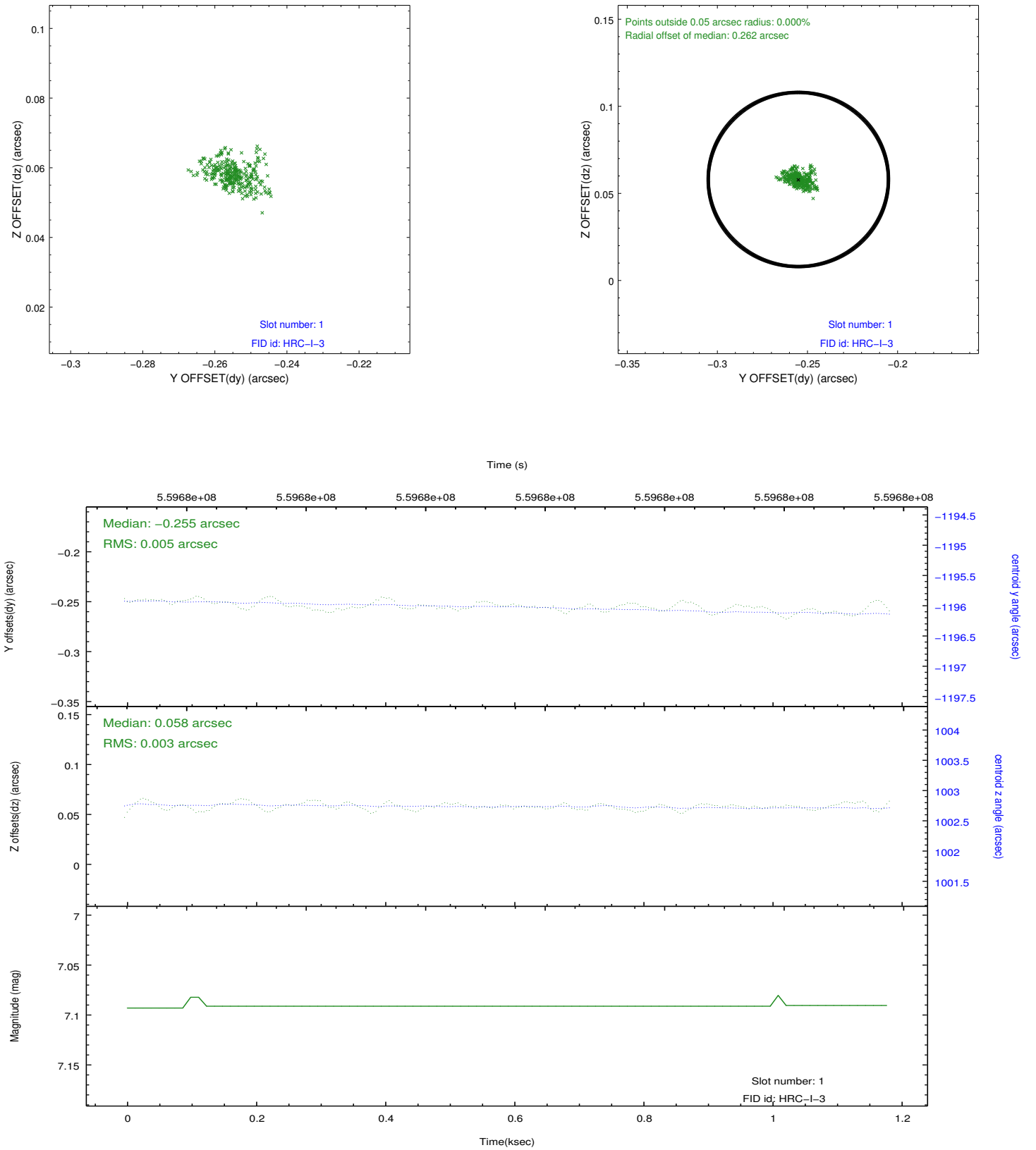


2.5 FID Slots

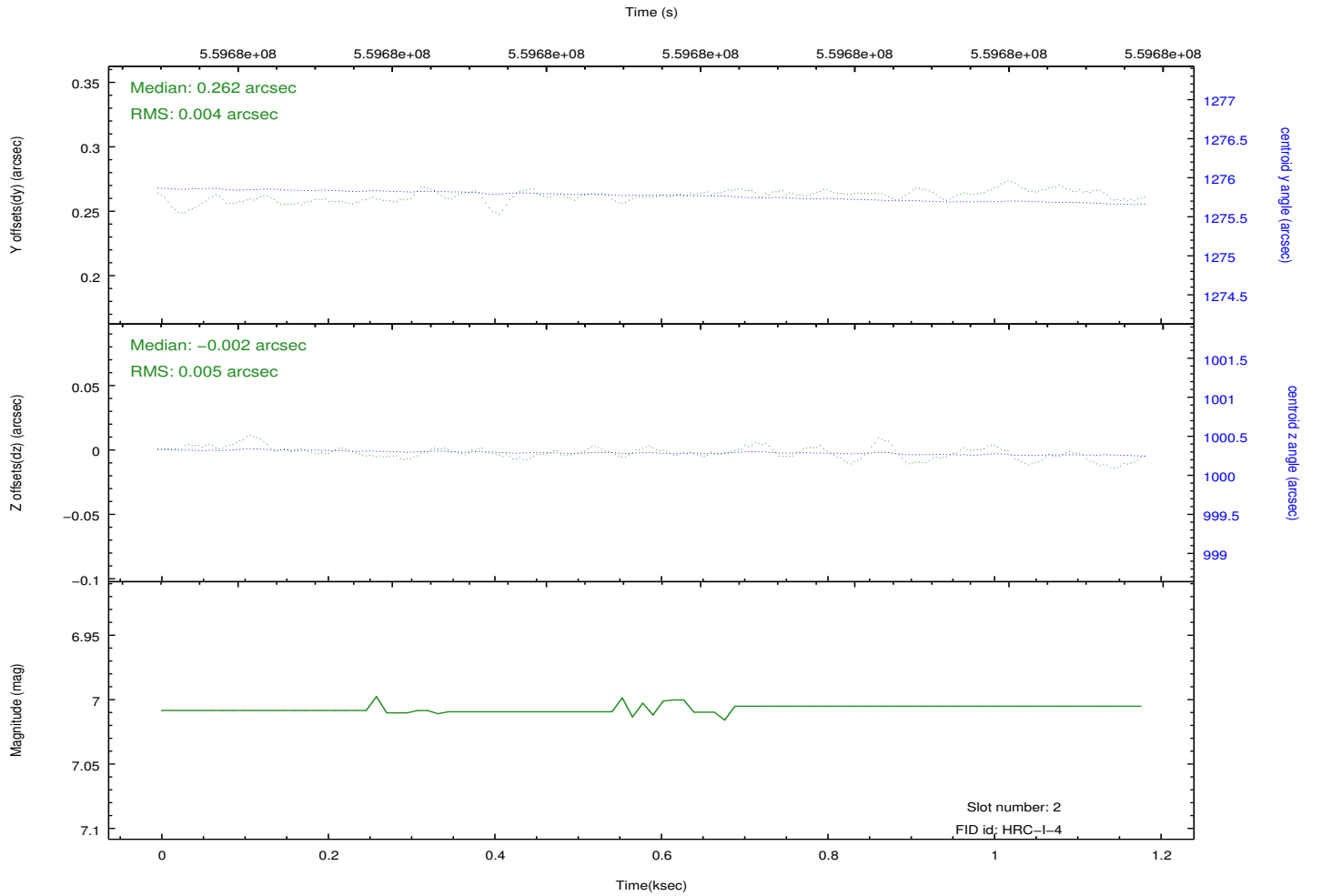
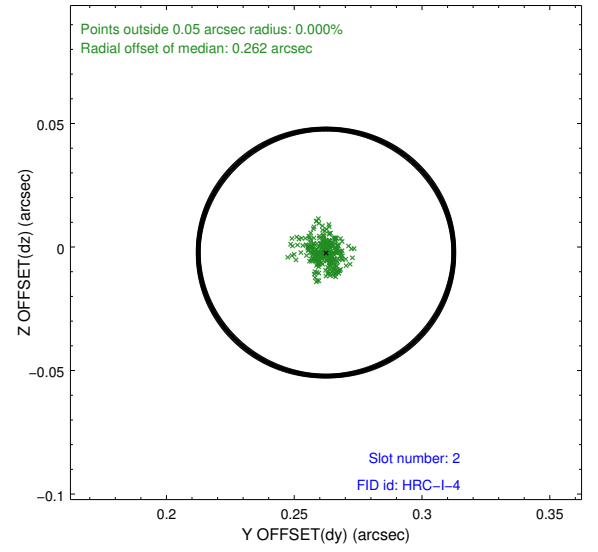
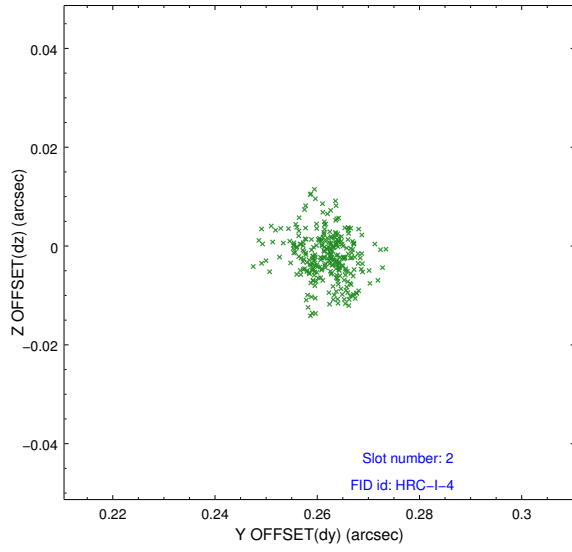
2.5.1 Slot 0



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	1.186181317091

A.2 Comments