

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17360 - L2 Version 1
Chandra X-Ray Center

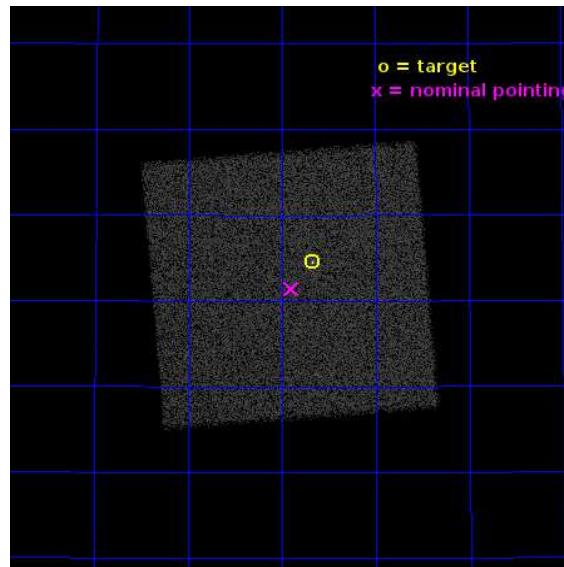
L2 Processing Date : Sep 27 2015

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1 Front

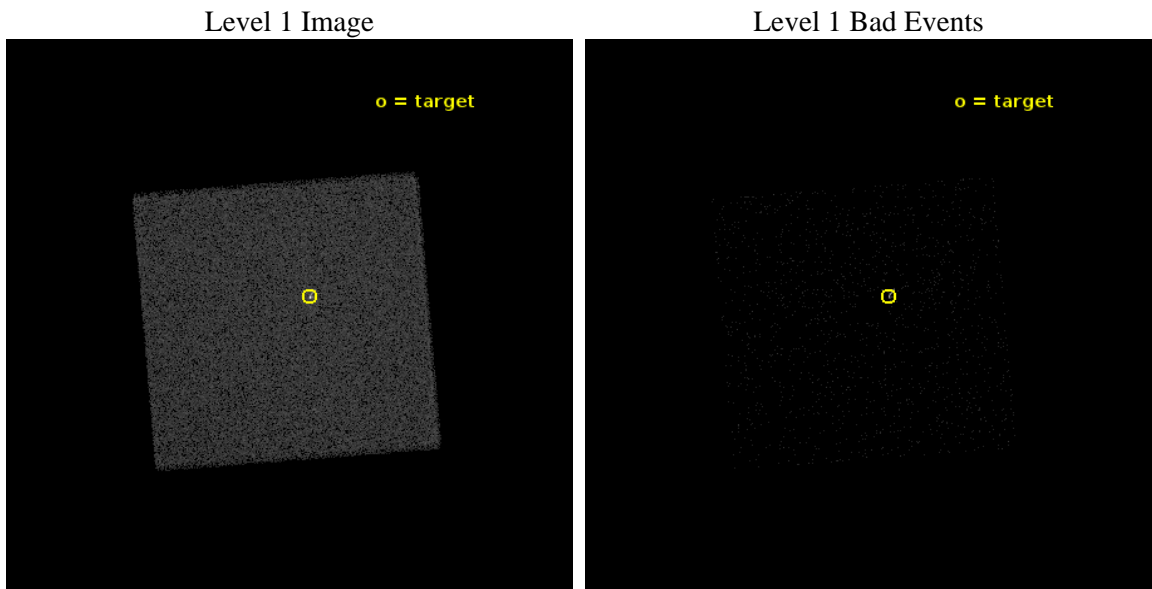
seq_num	291233	Sequence number
obs_id	17360	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2255752673	Nominal RA [deg]
dec_nom	45.690662887439	Nominal Dec [deg]
roll_nom	220.29951829864	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.9313164949	[s]
livetime	1165.3439426501	Ontime multiplied by DTCOR
l2events	87582	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	1175.9313164949	[s]
caldbver	4.6.8	 	l1events	148311	Number of level 1 events
date	2015-09-27T05:24:21	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

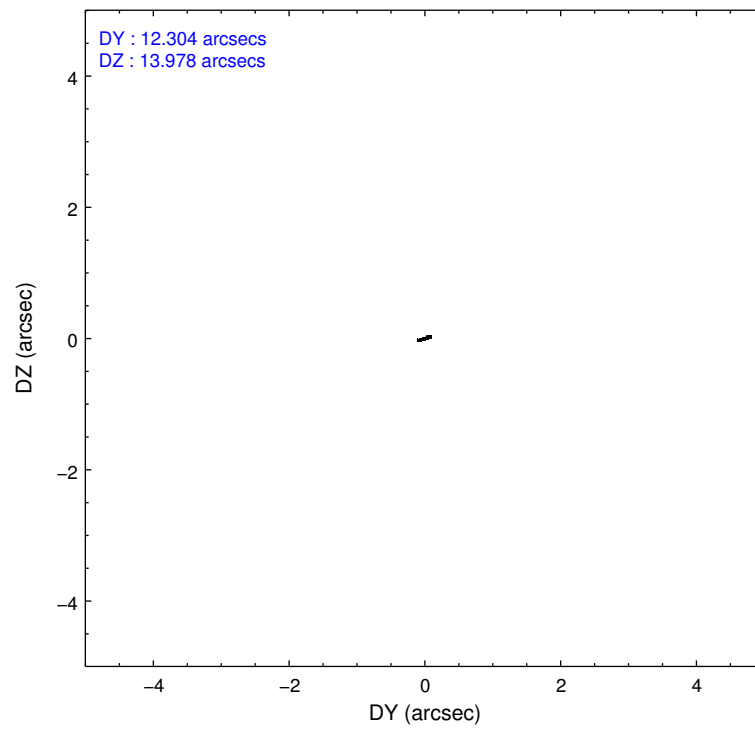
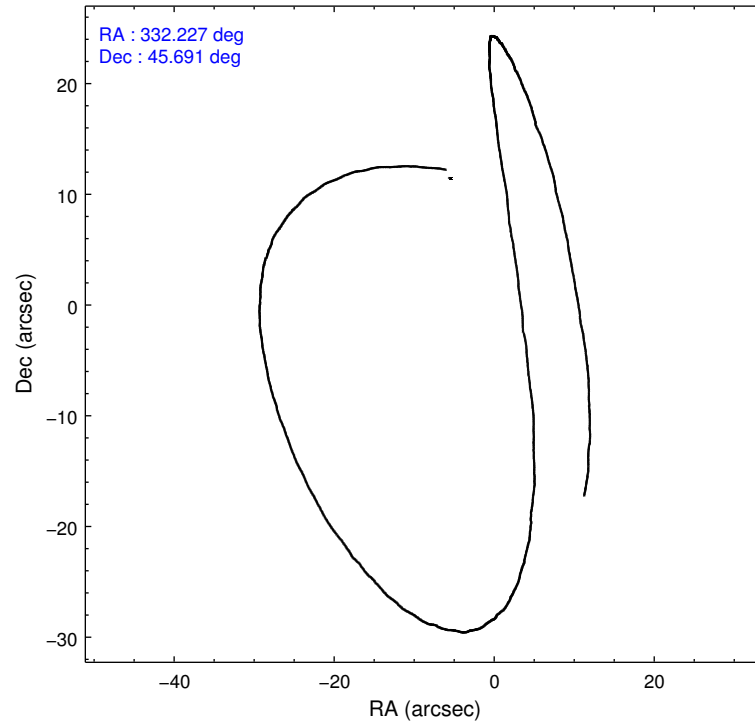
Level 1 Events

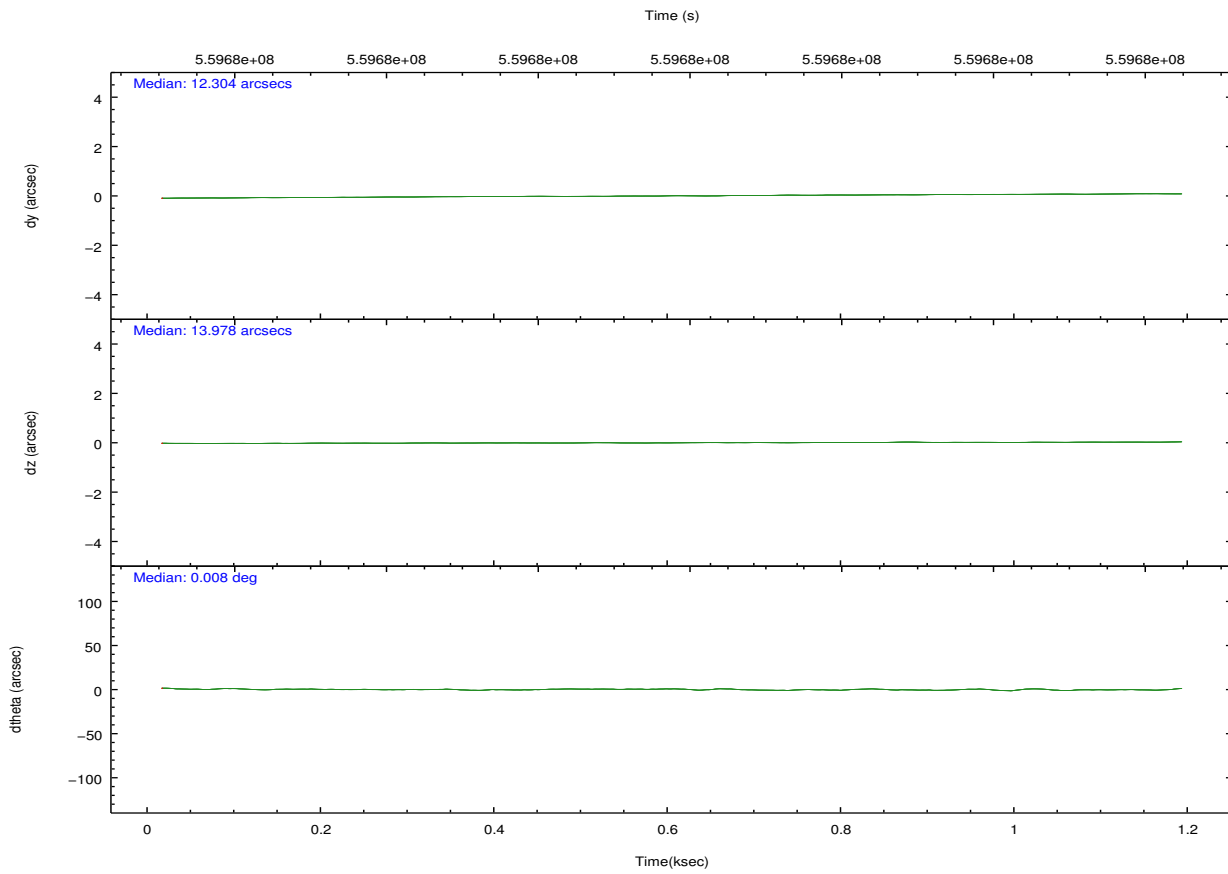
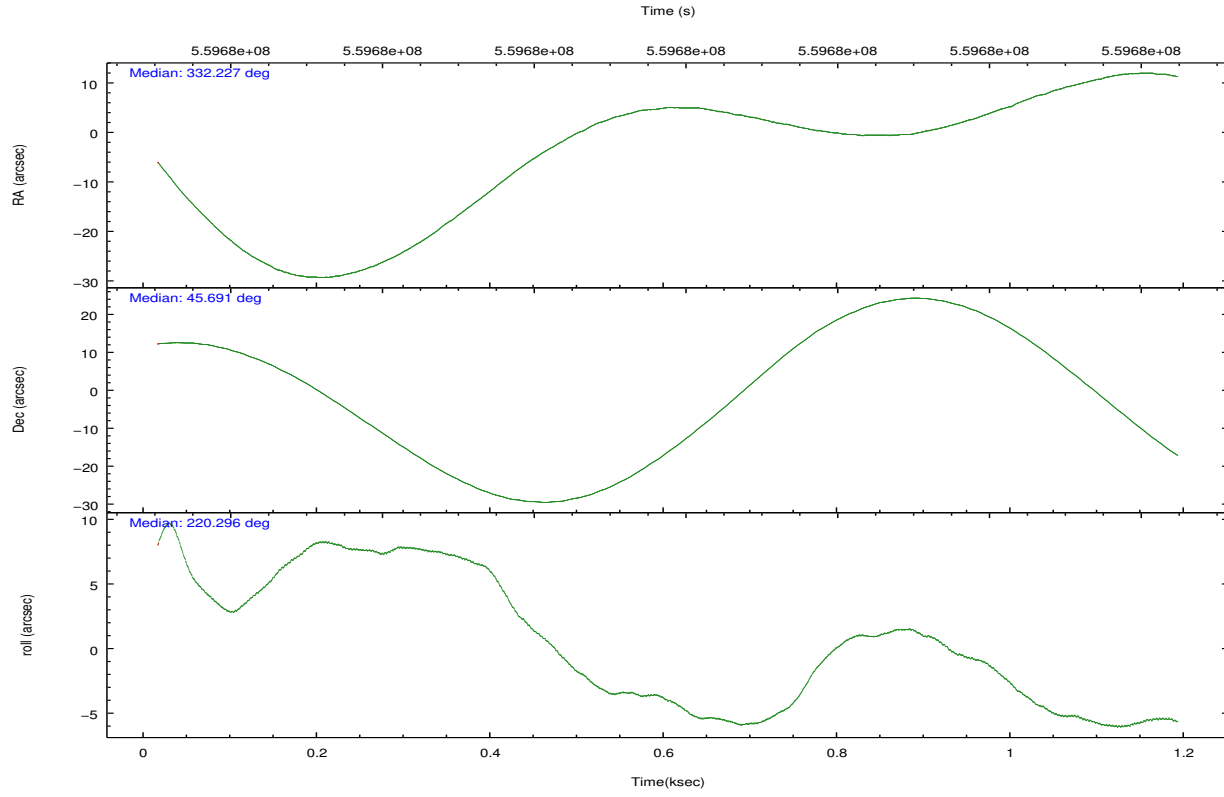
	segment 0
level 1 events	148311
rejected events	32848
rejected %	22%

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	332.238449	332.2255752672953			
[deg] Pointing Dec	45.716007	45.69066288743944			
[deg] Pointing Roll	220.385714	220.2995182986404			
[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)	559682562.184000	559682186.6942			
Observation start date	2015-09-26T19:21:34	2015-09-26T19:16:26			
[s] Observation end time (MET)	559683562.184000	559683696.51928			
Observation end date	2015-09-26T19:38:14	2015-09-26T19:41:36			

2.3 Aspect





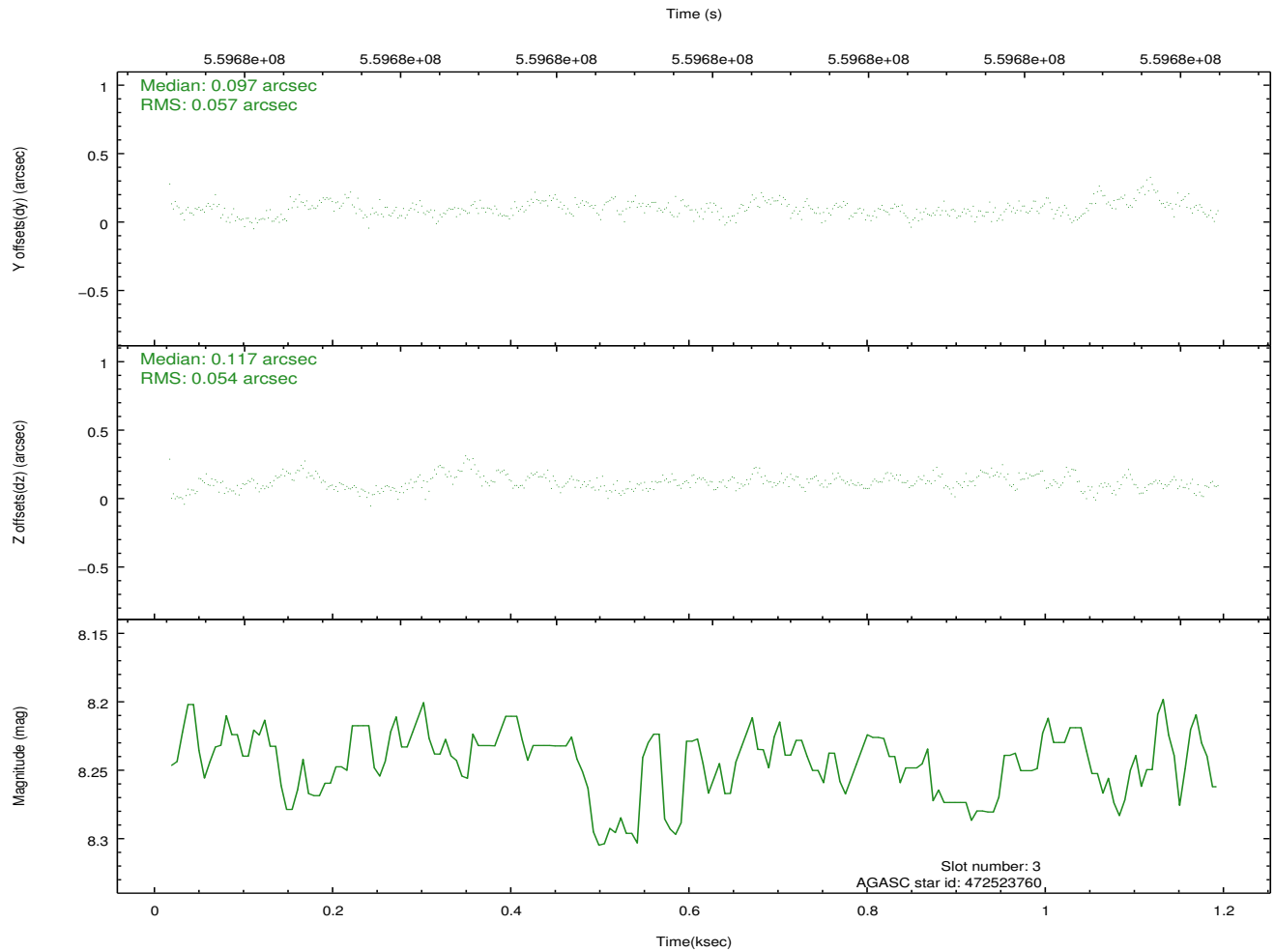
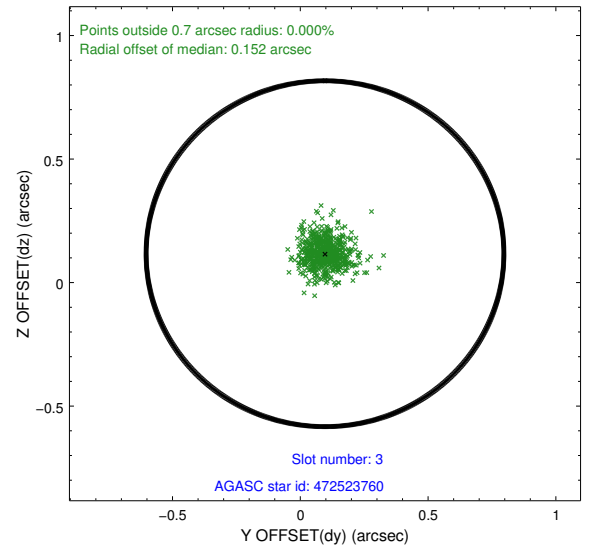
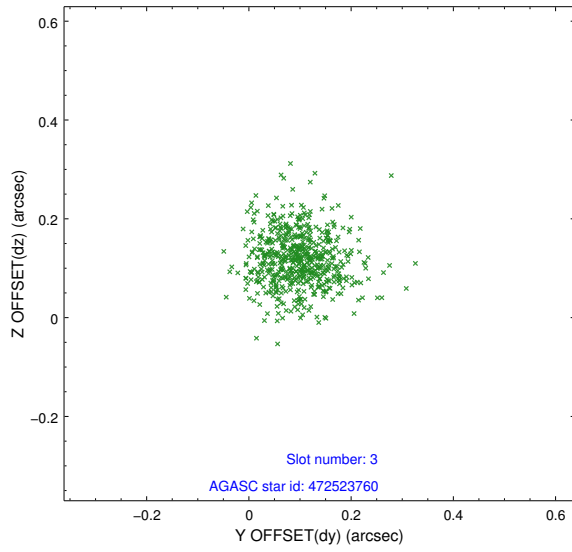
Slot Statistics

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	288	-0.150	-0.007	0.007	0.012	0.000000	0.000000	-768.16	-1302.05
1	FID		HRC-I-2	7.02	288	0.327	-0.146	0.006	0.010	0.000000	0.000000	842.28	-1308.25
2	FID		HRC-I-3	7.08	288	-0.058	0.064	0.005	0.011	0.000000	0.000000	-1193.67	998.04
3	GUIDE	used	472523760	8.24	575	0.097	0.117	0.083	0.137	331.645363	45.403260	1868.71	-115.05
4	GUIDE	used	472655152	9.40	575	0.079	-0.358	0.162	0.258	332.504239	45.862991	-847.08	30.14
5	GUIDE	used	472665256	9.00	575	0.225	0.073	0.086	0.136	332.808125	46.195041	-2202.52	-394.92
6	GUIDE	used	472525528	6.65	575	-0.348	-0.048	0.087	0.141	331.551102	45.248694	2408.63	149.10
7	GUIDE	used	472659832	9.44	573	-0.051	0.204	0.137	0.225	332.780399	46.098139	-1919.94	-171.68

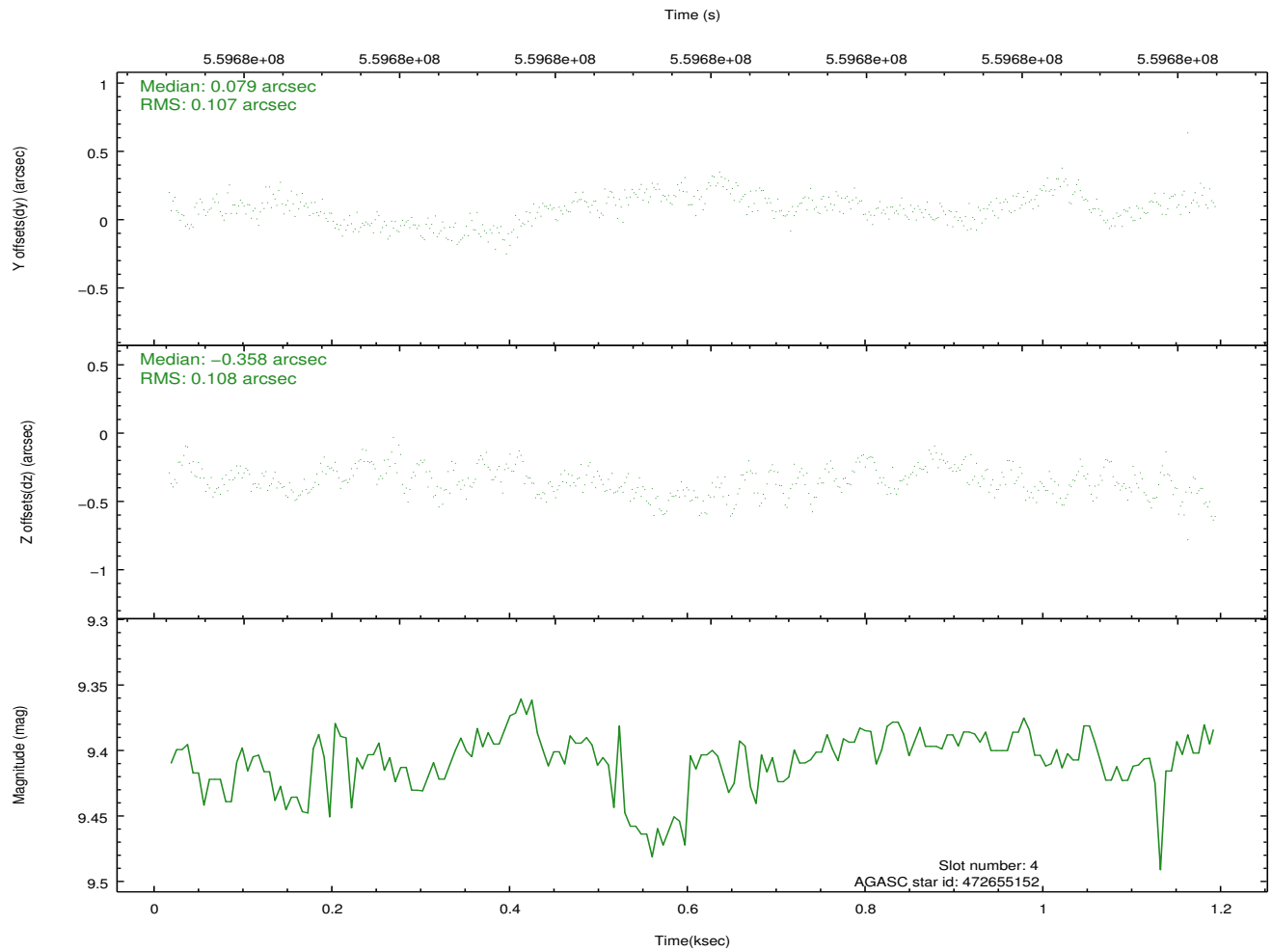
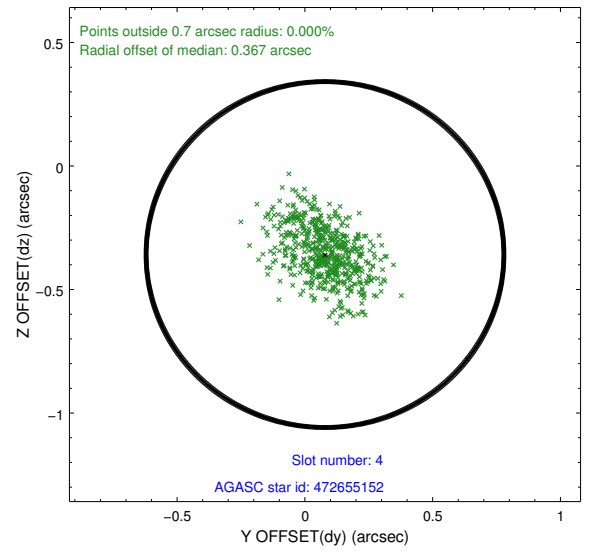
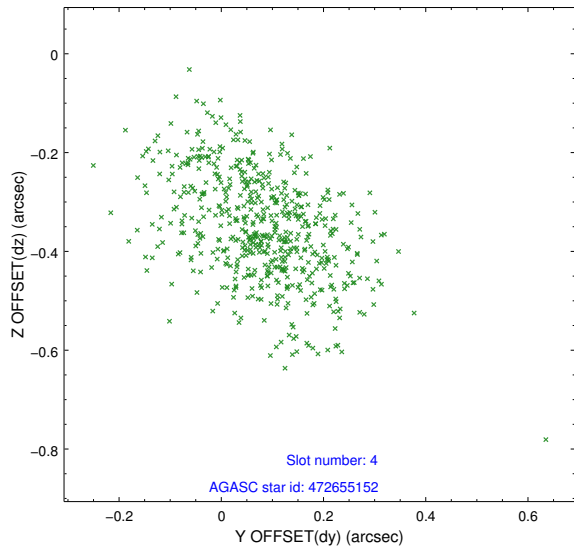
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2.4 Star Slots

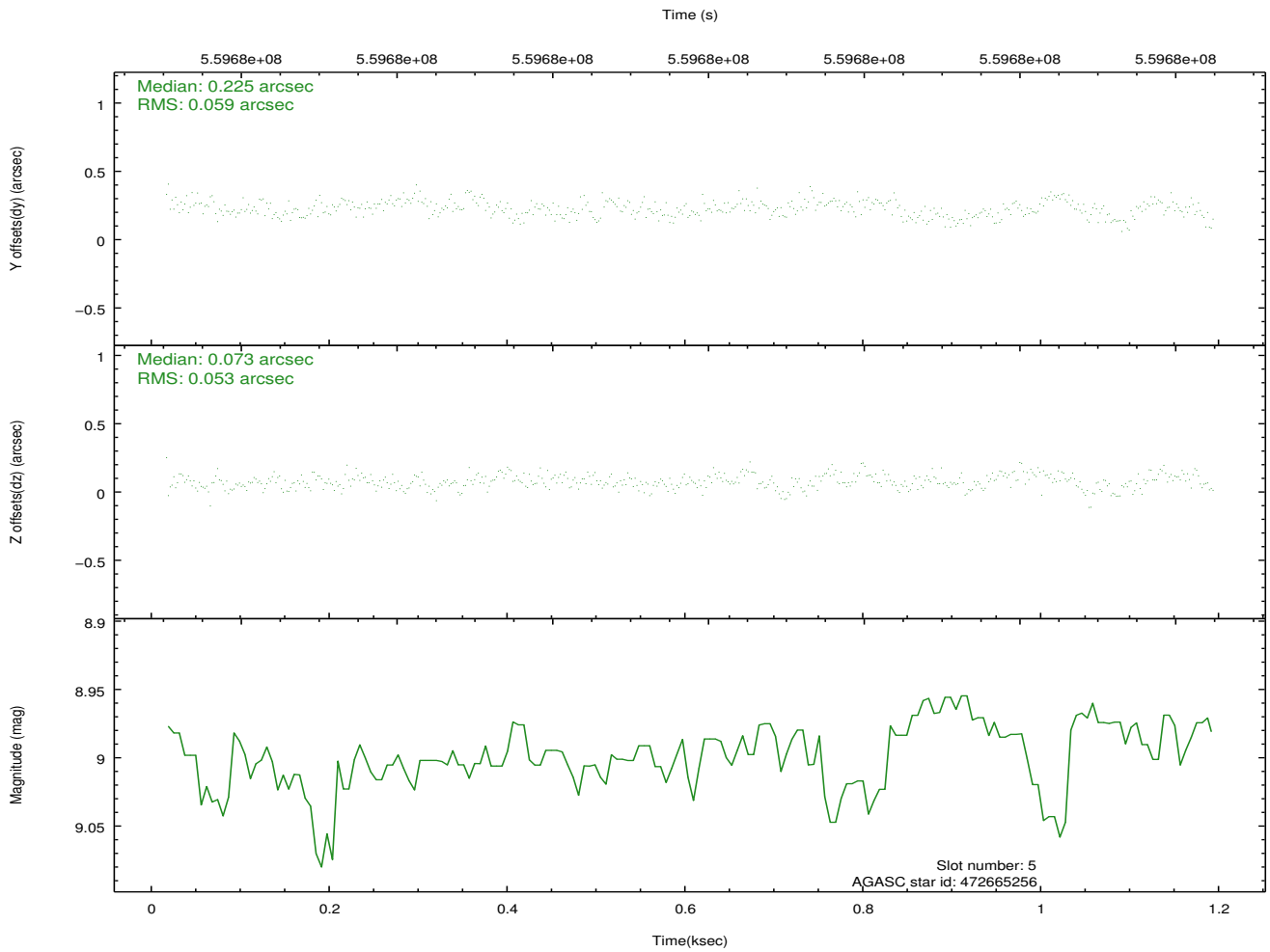
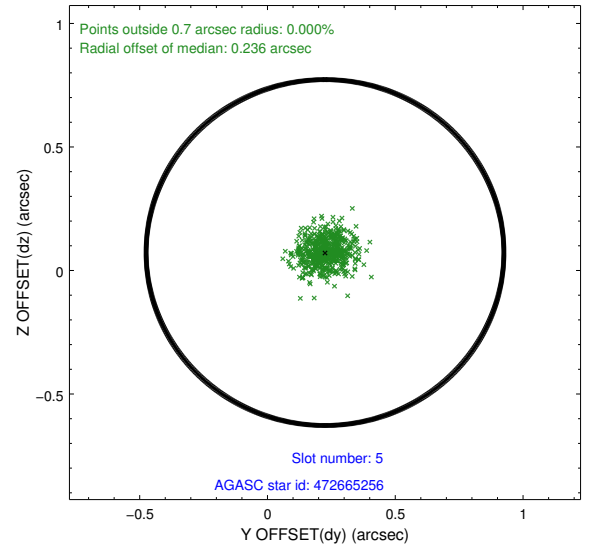
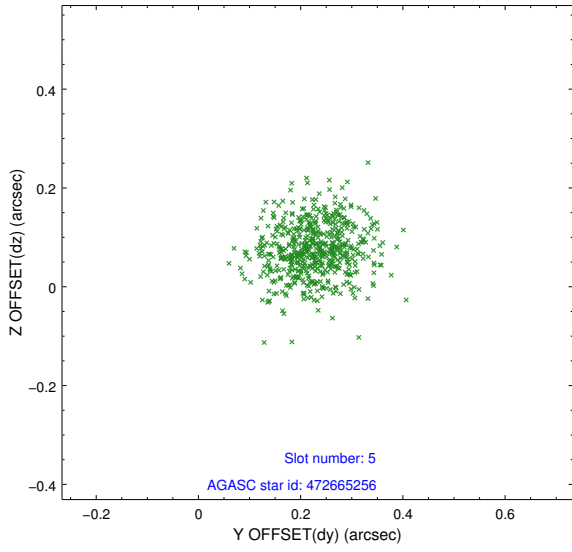
2.4.1 Slot 3



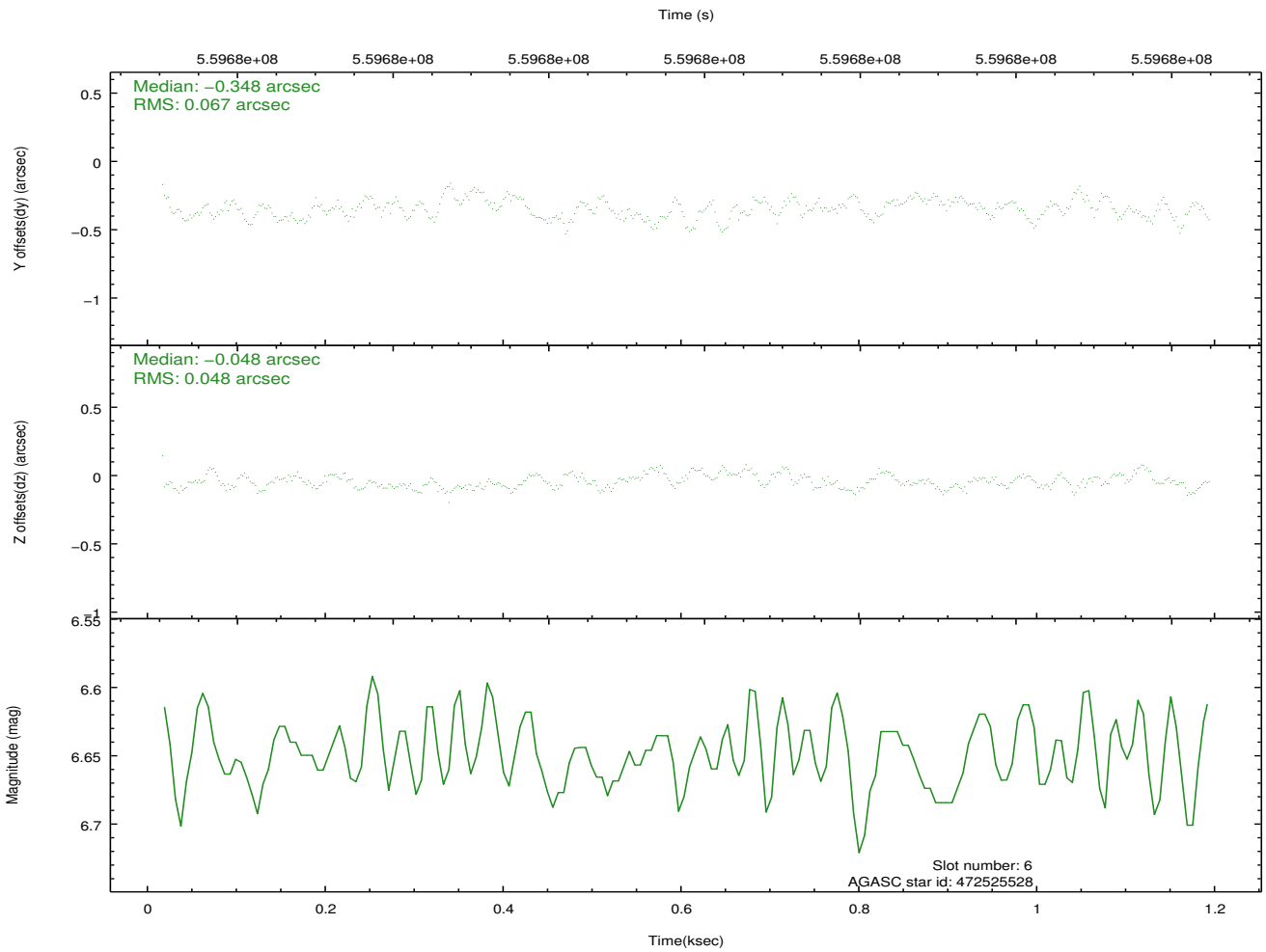
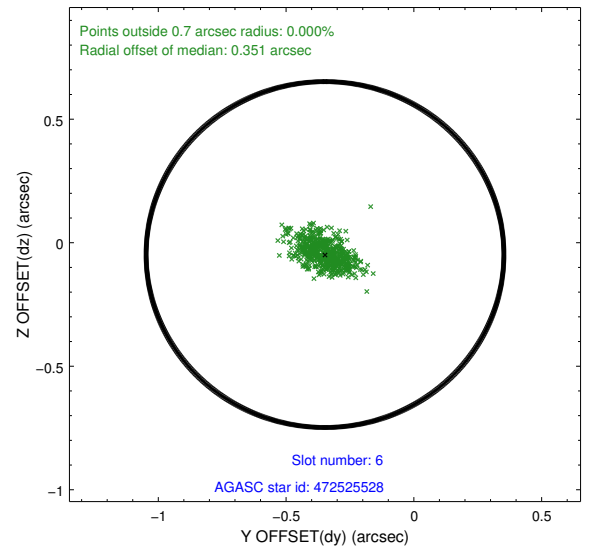
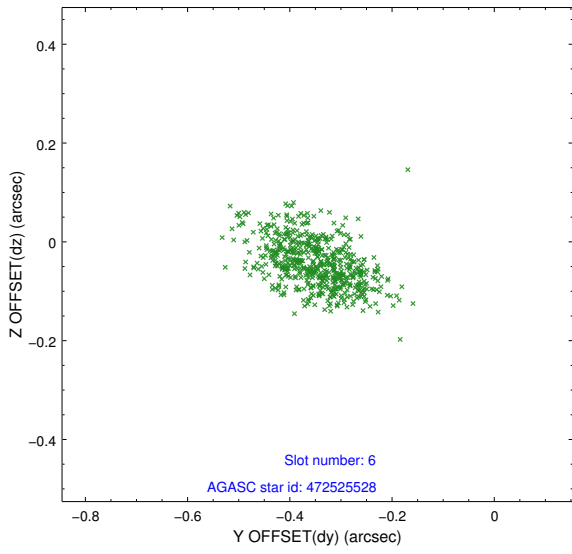
2.4.2 Slot 4



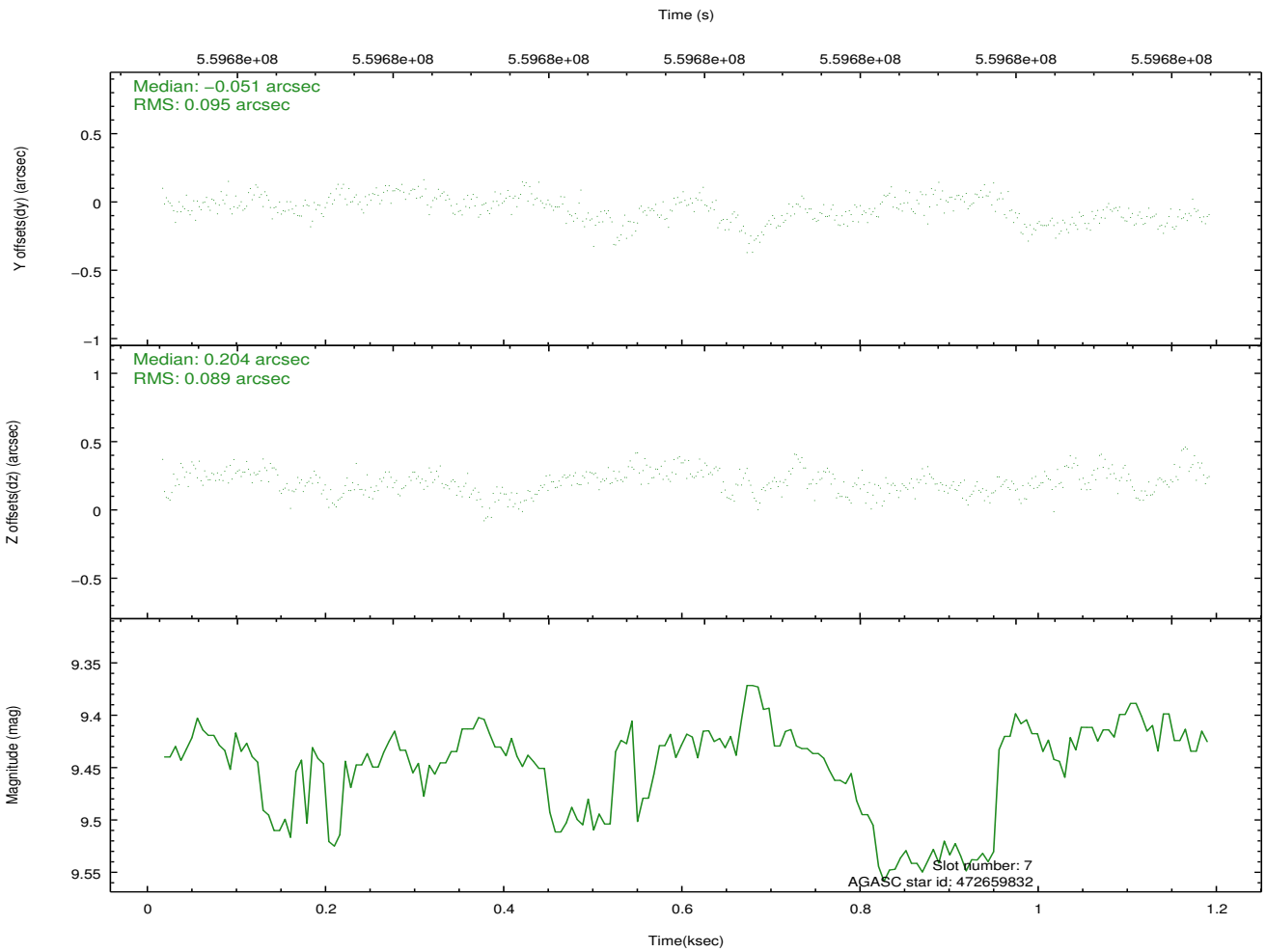
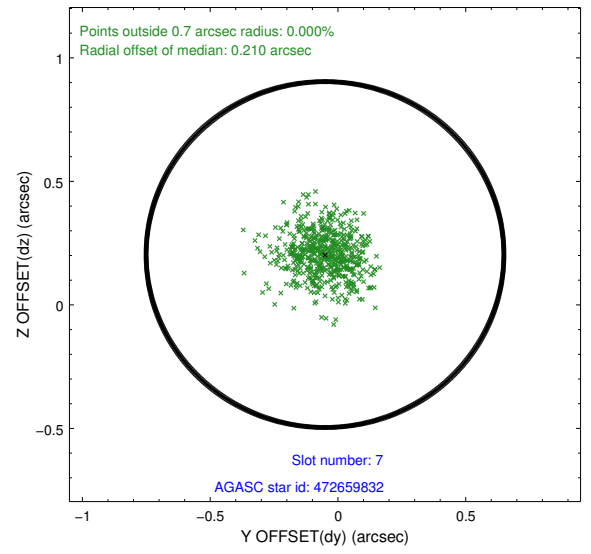
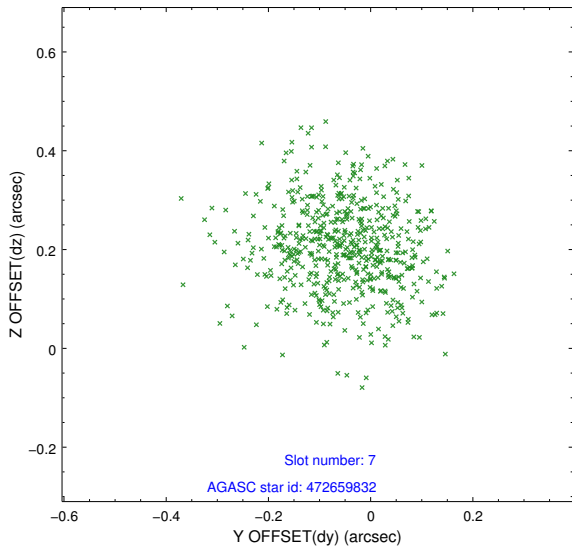
2.4.3 Slot 5



2.4.4 Slot 6

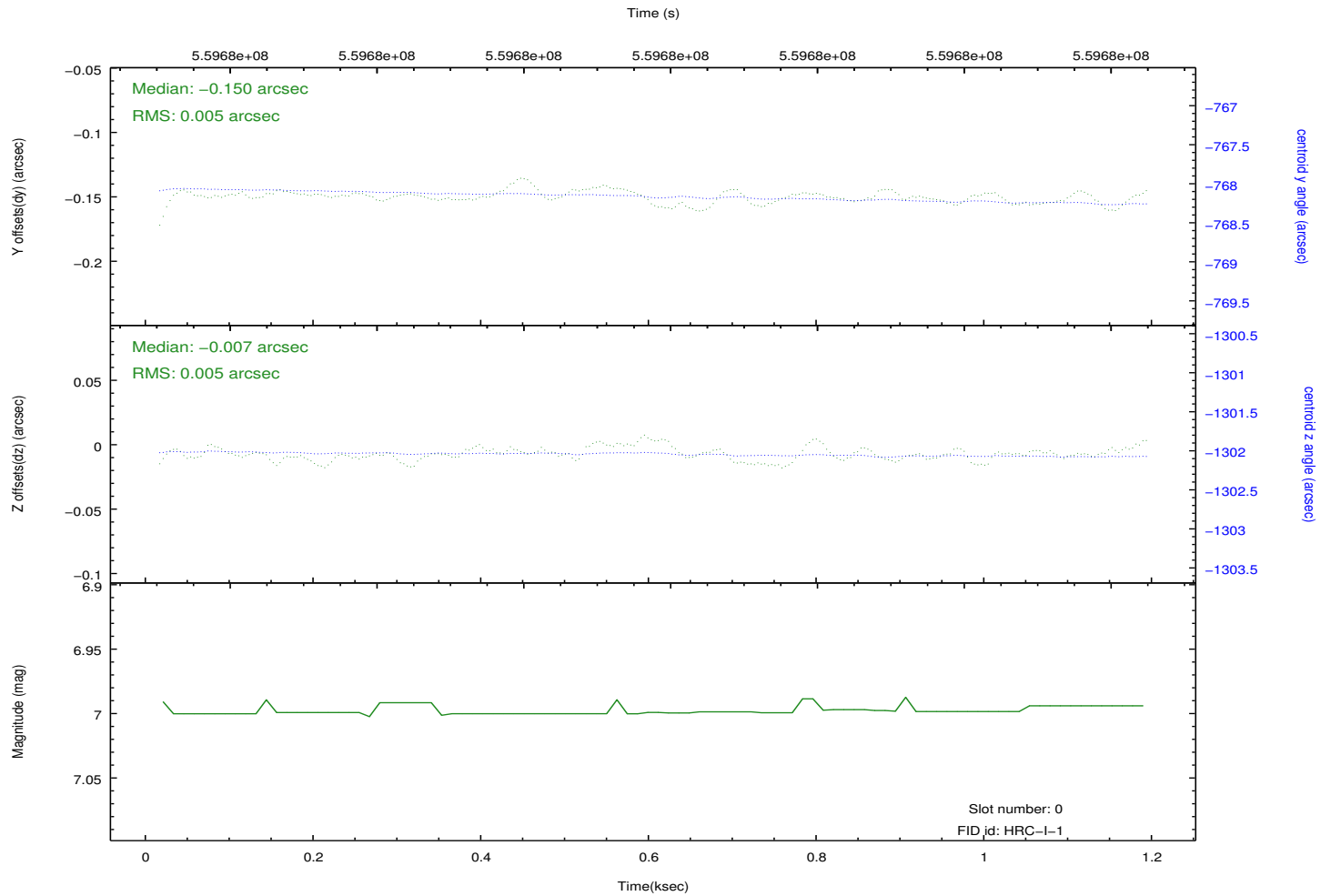
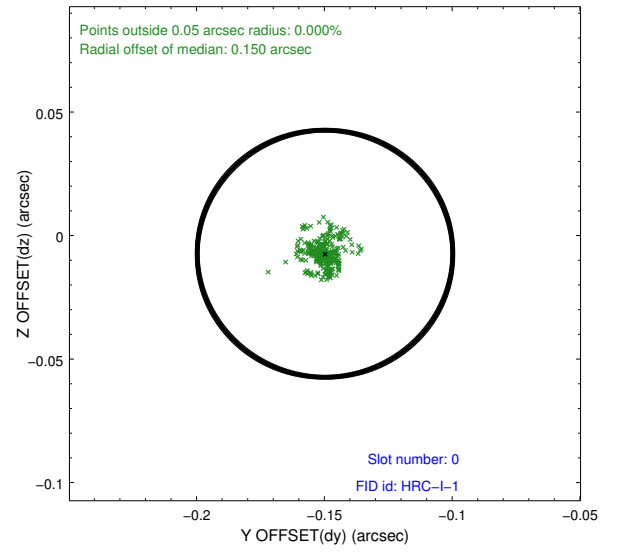
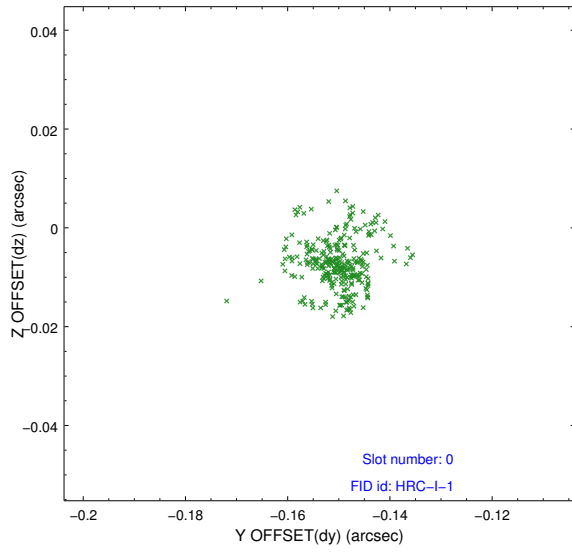


2.4.5 Slot 7

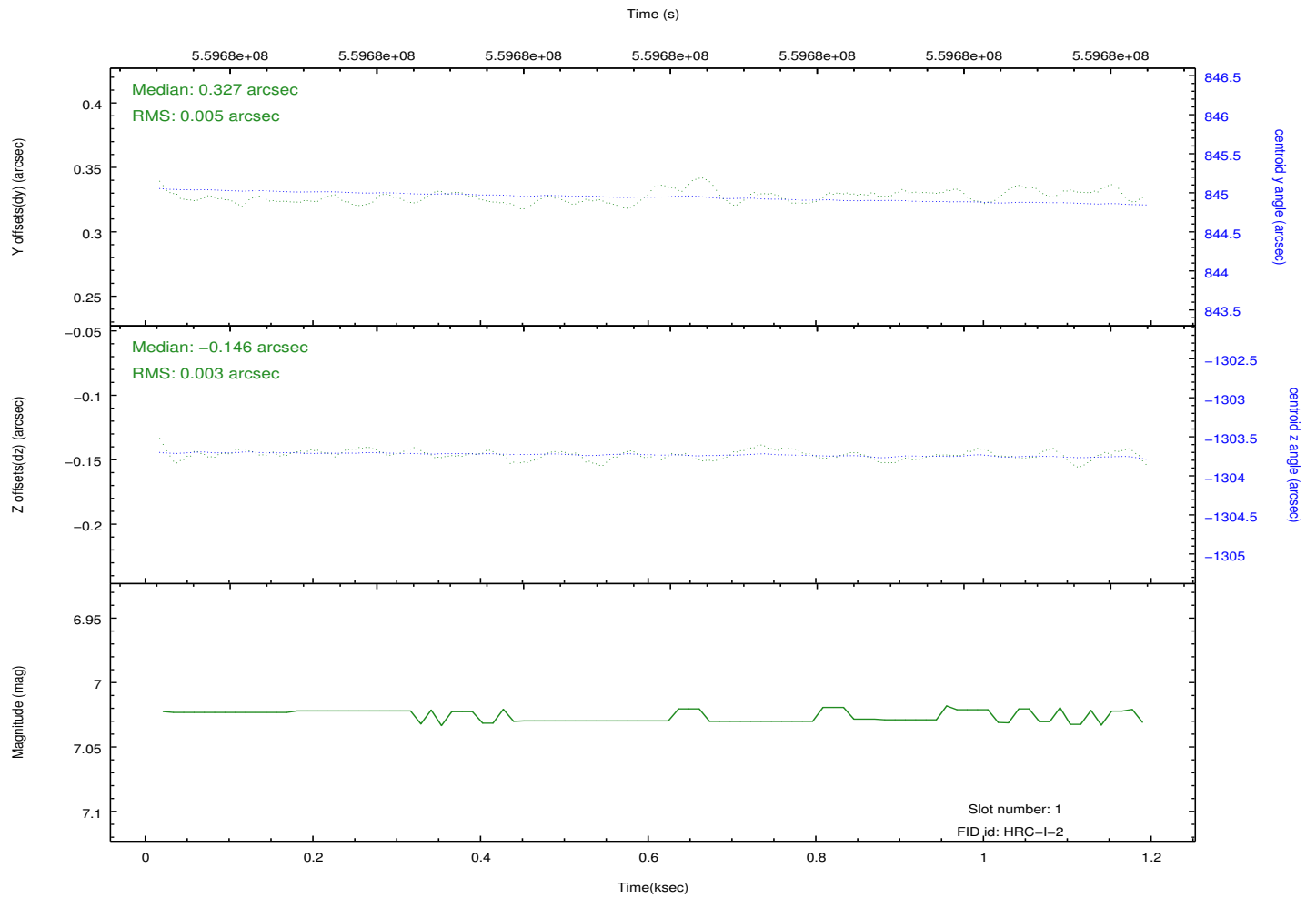
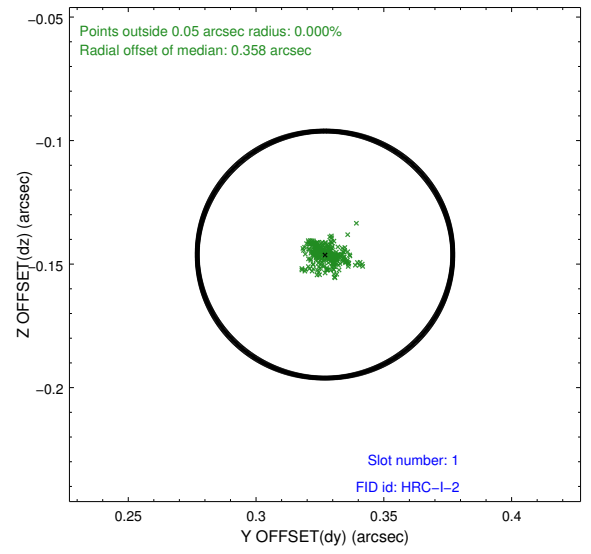
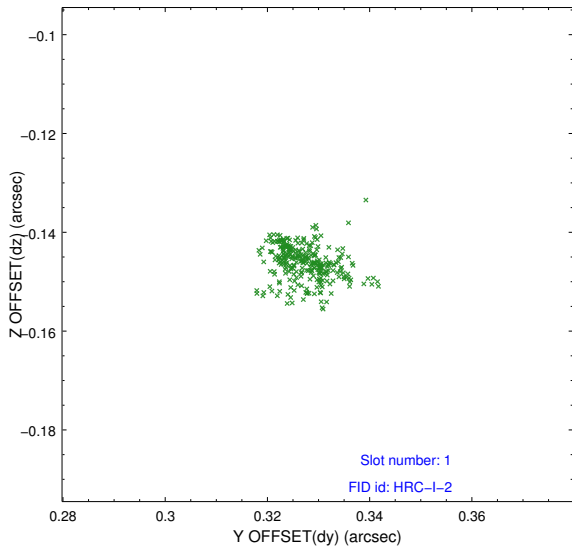


2.5 FID Slots

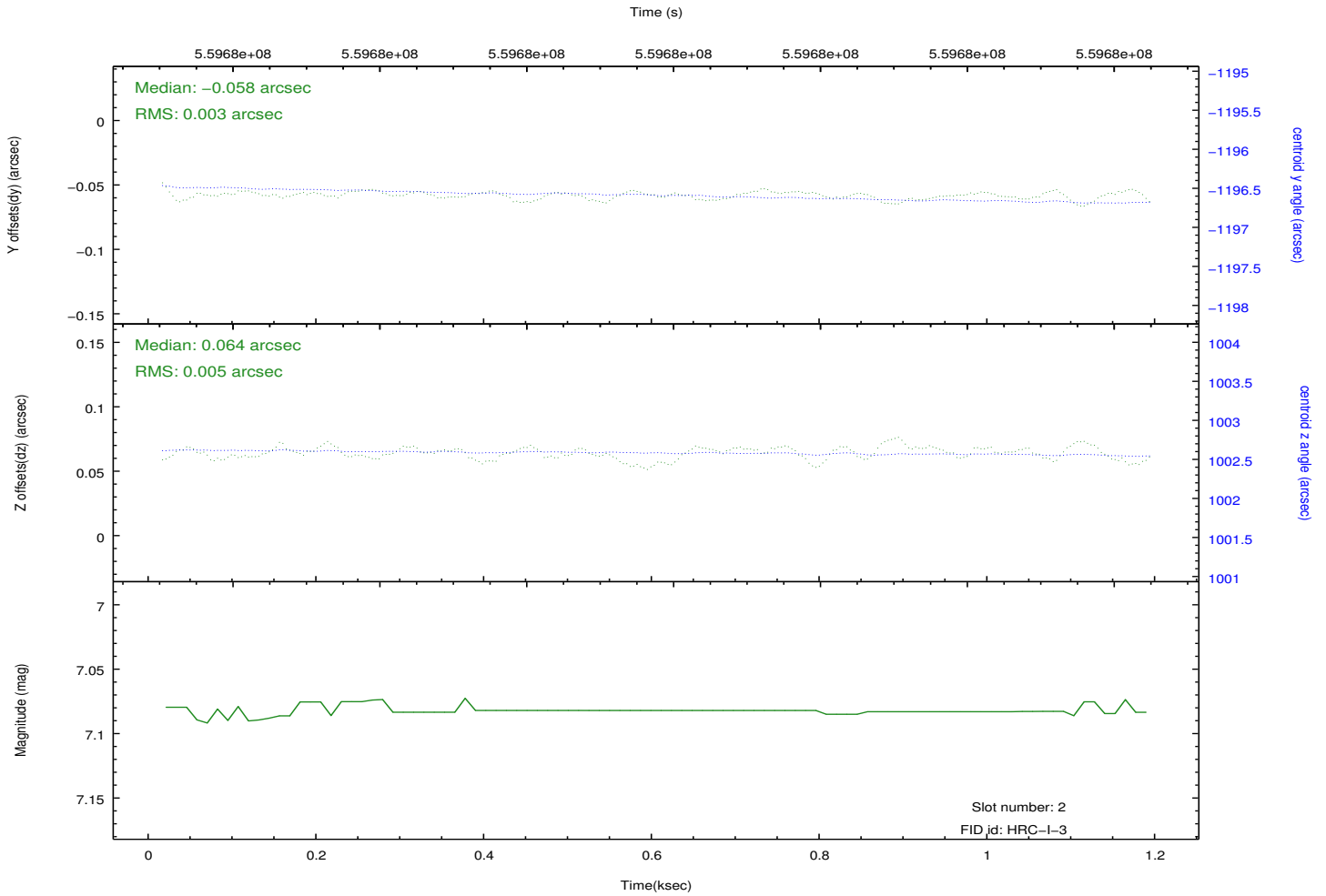
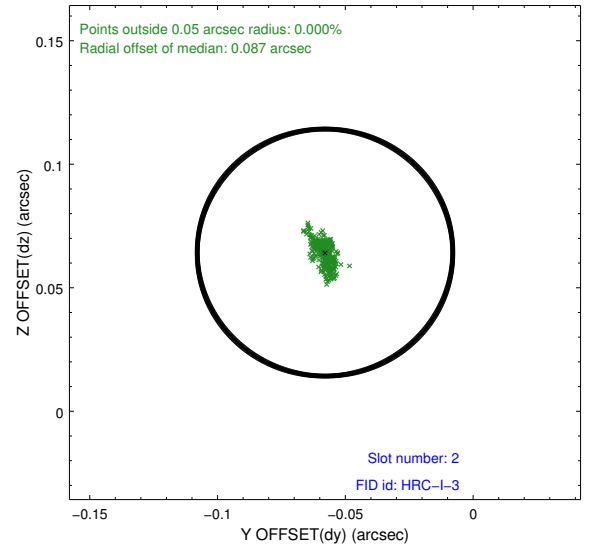
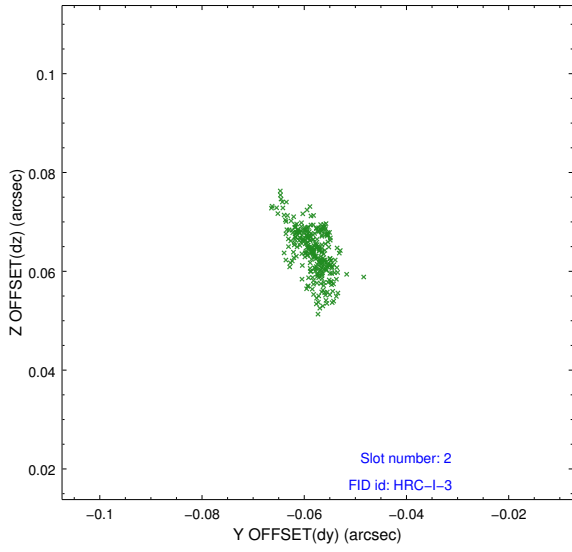
2.5.1 Slot 0



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	1.1759313164949

A.2 Comments