

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18399 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 21 2016

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1 Front

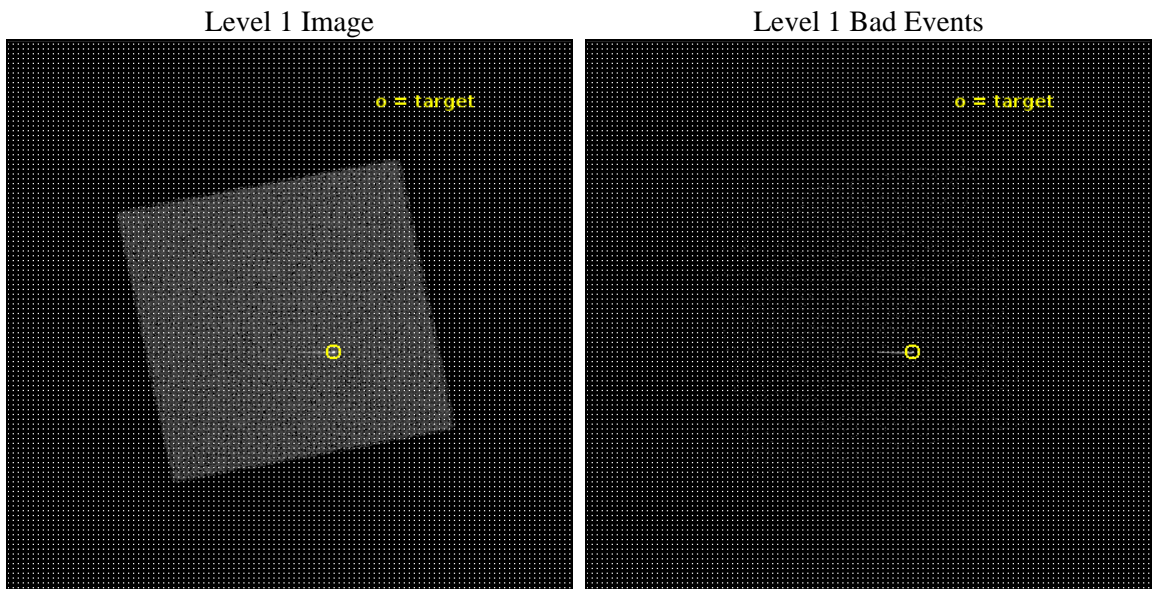
seq_num	291294	Sequence number
obs_id	18399	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.28762629494	Nominal RA [deg]
dec_nom	45.797312252632	Nominal Dec [deg]
roll_nom	213.7422133433	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1179.7750679255	[s]
livetime	1166.2134974391	Ontime multiplied by DTCOR
l2events	114401	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1179.7750679255	[s]
caldsver	4.7.2	 	l1events	192900	Number of level 1 events
date	2016-09-21T12:46:03	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

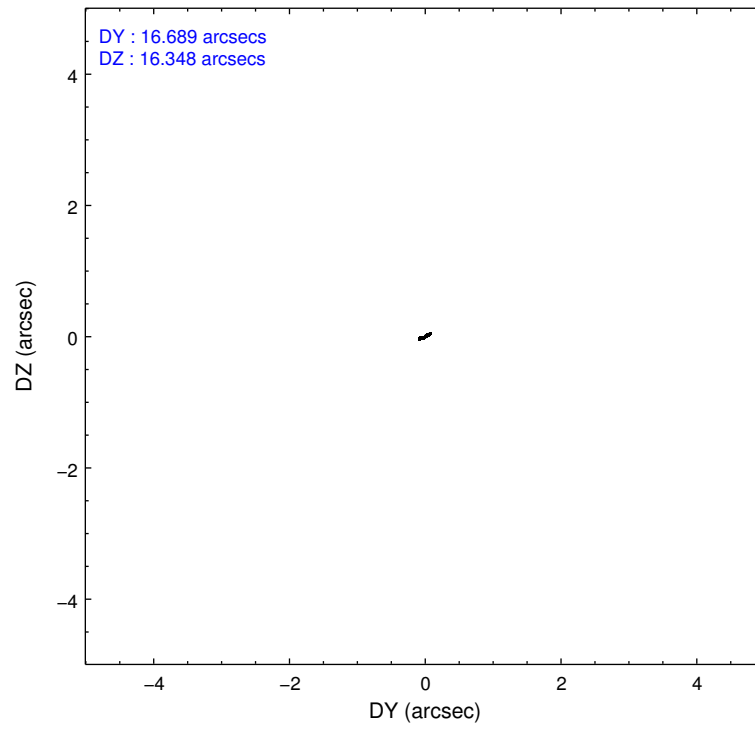
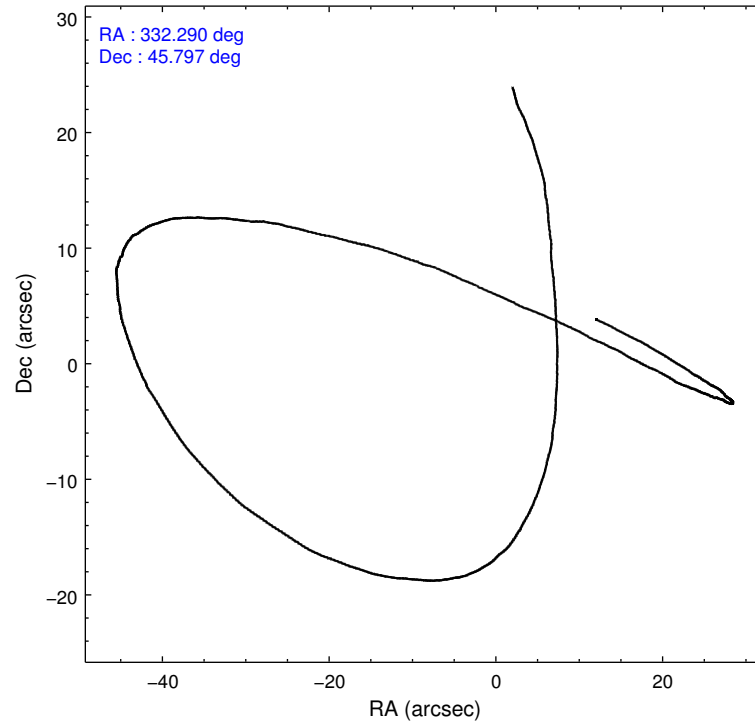
Level 1 Events

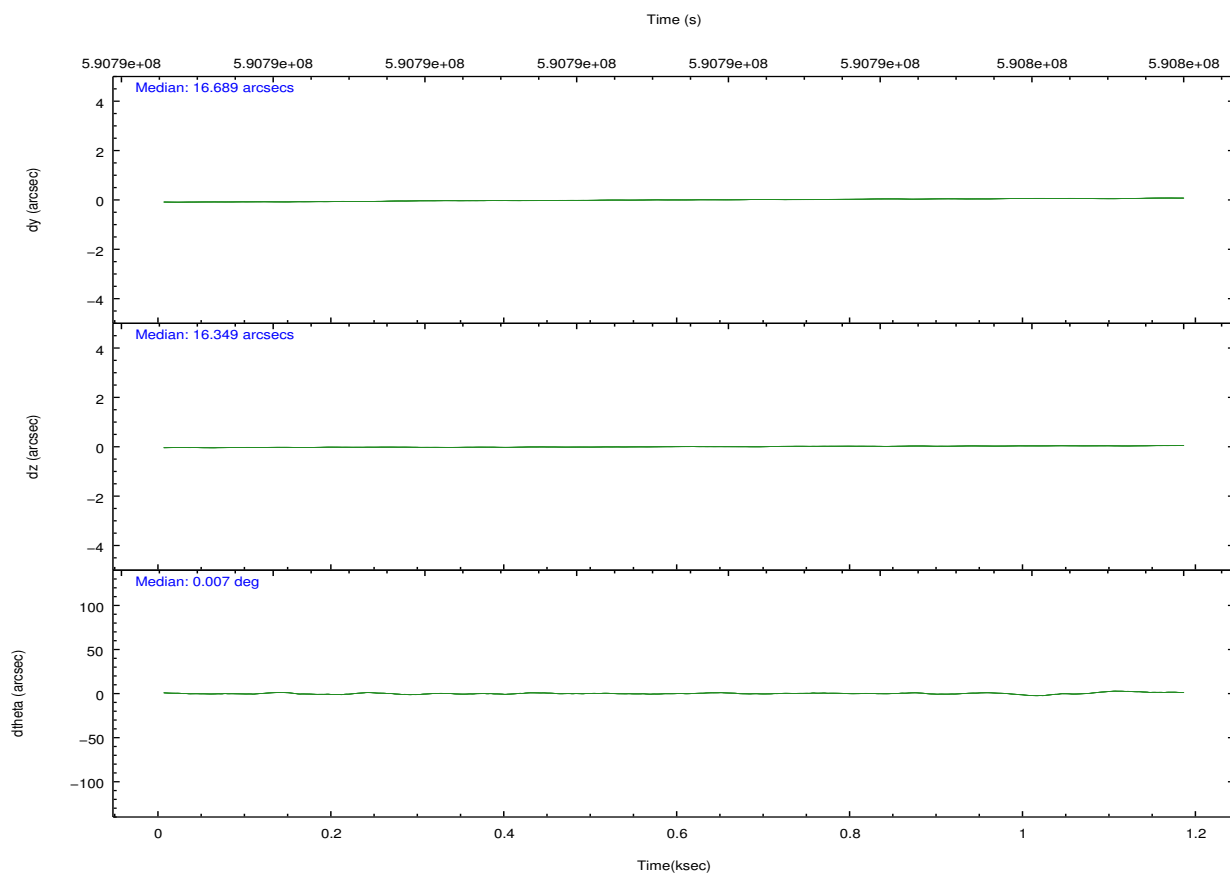
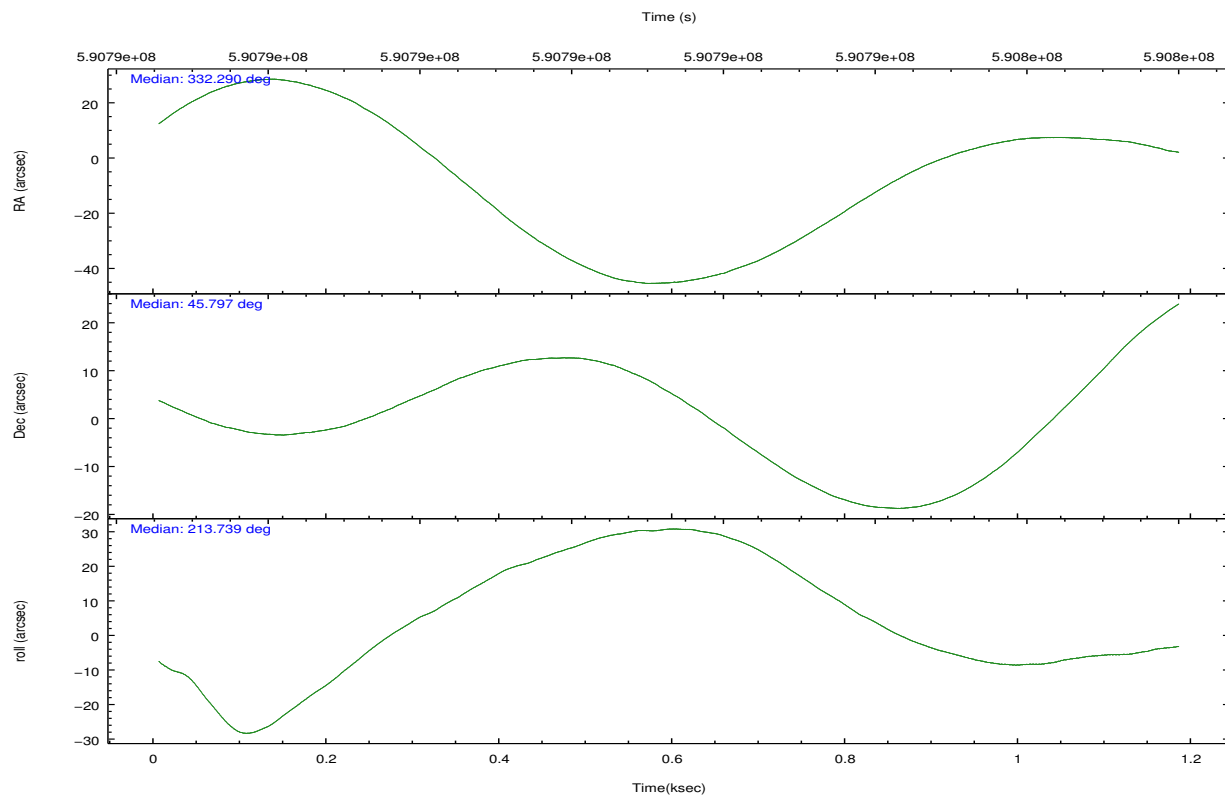
	segment 0
level 1 events	192900
rejected events	42161
rejected %	21%

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	332.302937	332.2876262949369			
[deg] Pointing Dec	45.822685	45.79731225263226			
[deg] Pointing Roll	213.826762	213.7422133432951			
[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)	590794107.184000	590793731.52923			
Observation start date	2016-09-20T21:27:19	2016-09-20T21:22:11			
[s] Observation end time (MET)	590795107.184000	590795241.35432			
Observation end date	2016-09-20T21:43:59	2016-09-20T21:47:21			

2.3 Aspect



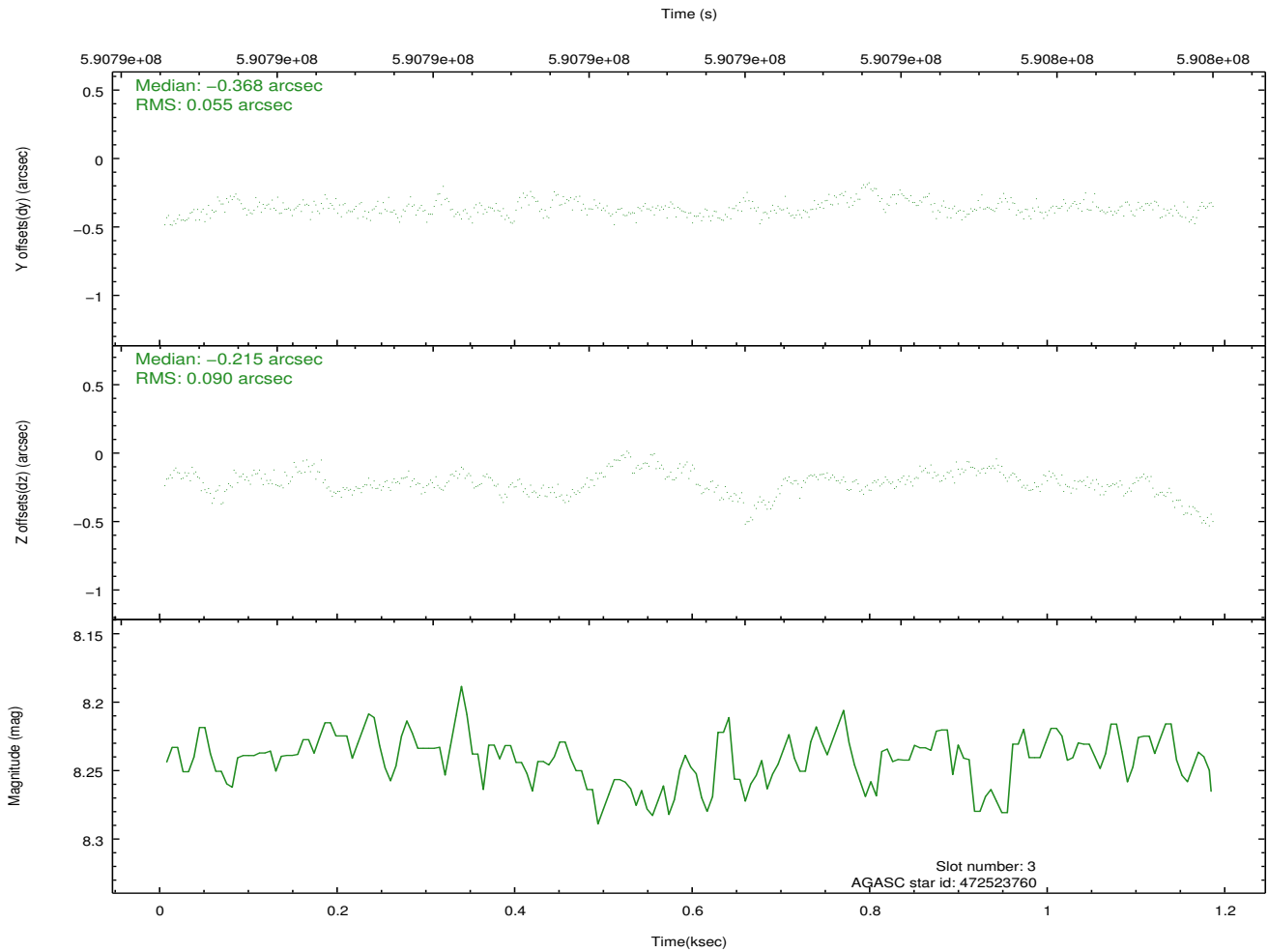
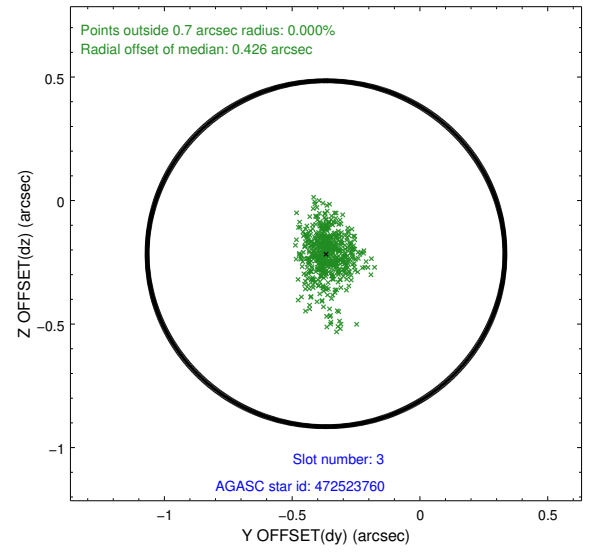
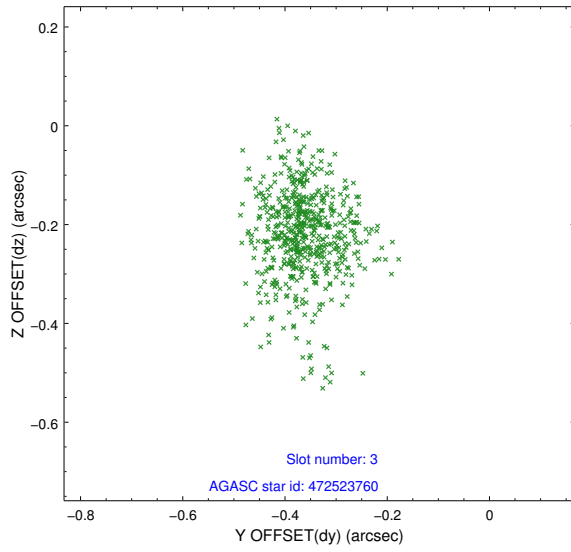


Slot Statistics

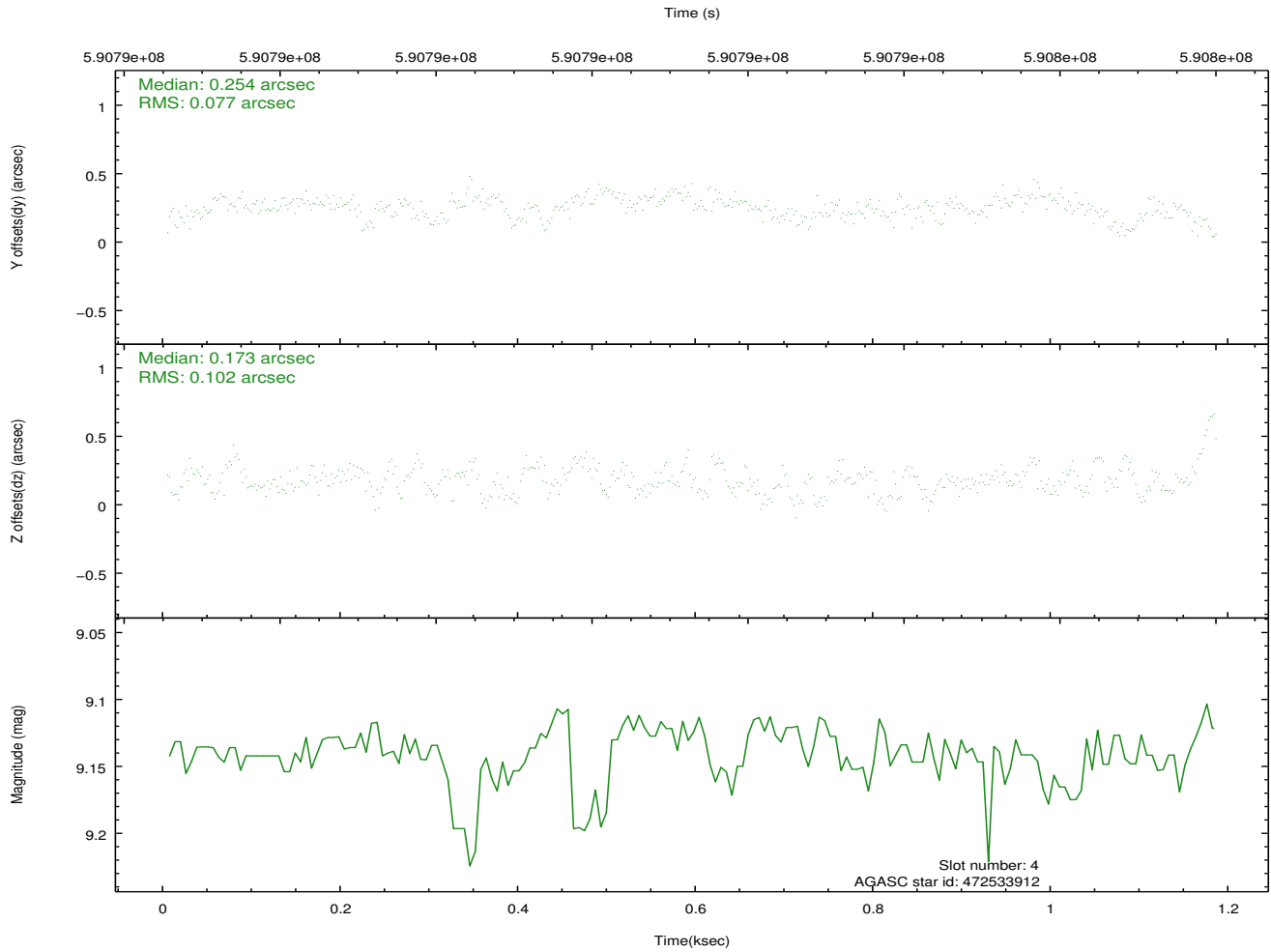
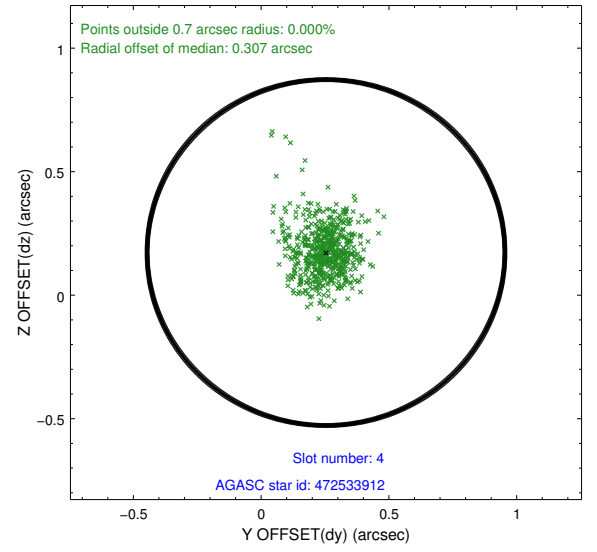
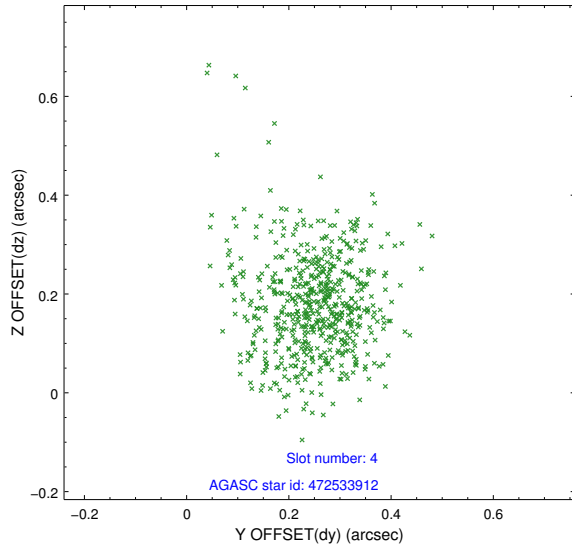
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.05	288	-0.205	-0.013	0.008	0.015	0.000000	0.000000	-772.70	-1304.51
1	FID		HRC-I-2	7.06	288	0.372	-0.134	0.007	0.015	0.000000	0.000000	837.83	-1310.68
2	FID		HRC-I-3	7.12	288	-0.049	0.058	0.009	0.020	0.000000	0.000000	-1198.18	995.57
3	GUIDE	used	472523760	8.24	577	-0.368	-0.215	0.105	0.198	331.645363	45.403260	2219.10	320.09
4	GUIDE	used	472533912	9.14	577	0.254	0.173	0.129	0.212	331.791136	46.368695	-34.39	-2346.50
5	GUIDE	used	472655152	9.41	576	-0.143	-0.272	0.192	0.327	332.504239	45.862991	-498.80	152.50
6	GUIDE	used	472663080	9.36	576	0.159	0.215	0.166	0.278	332.652741	46.473840	-2025.39	-1468.99
7	GUIDE	used	472665256	8.99	576	0.083	0.119	0.143	0.237	332.808125	46.195041	-1795.90	-421.81

2.4 Star Slots

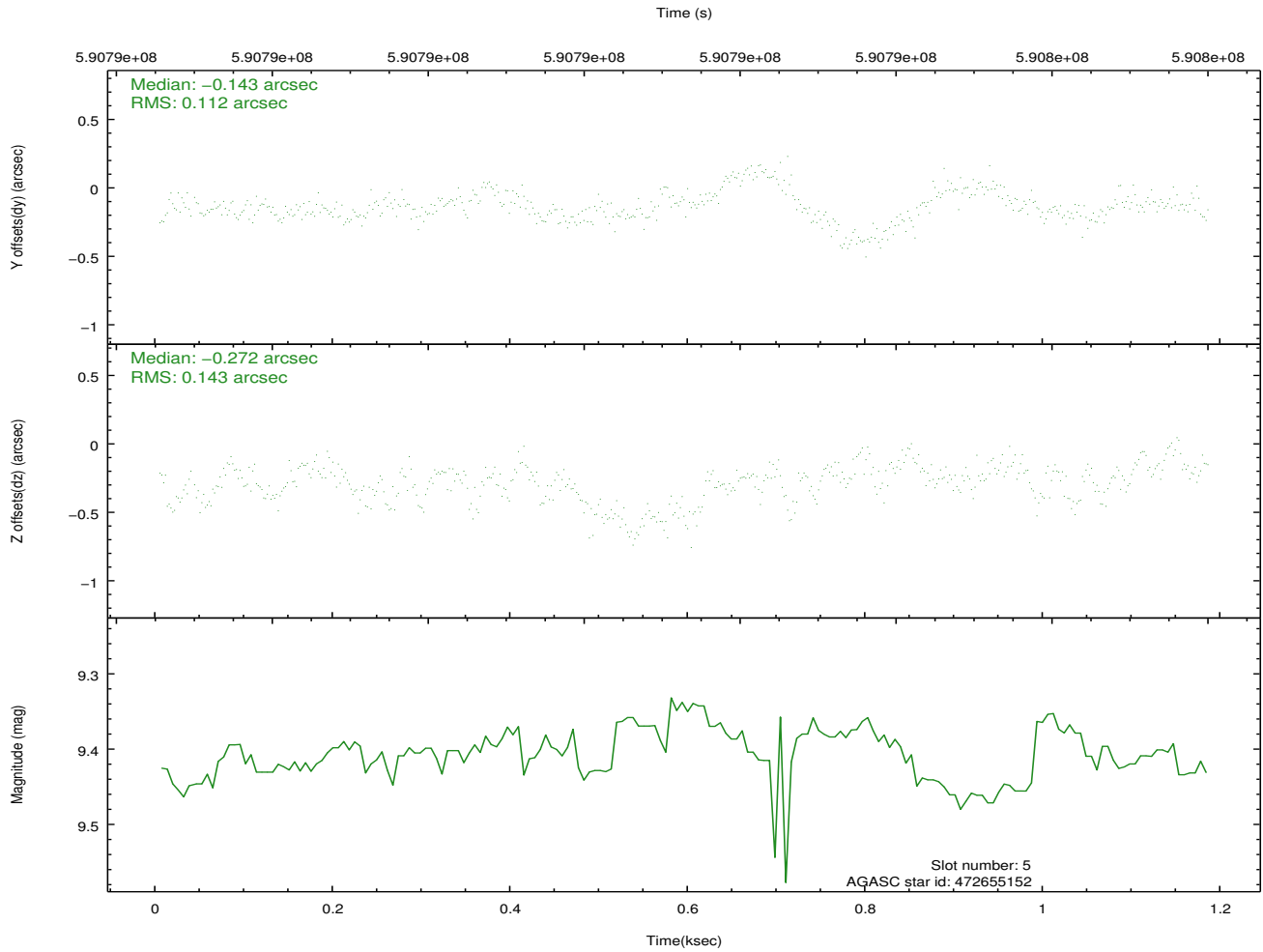
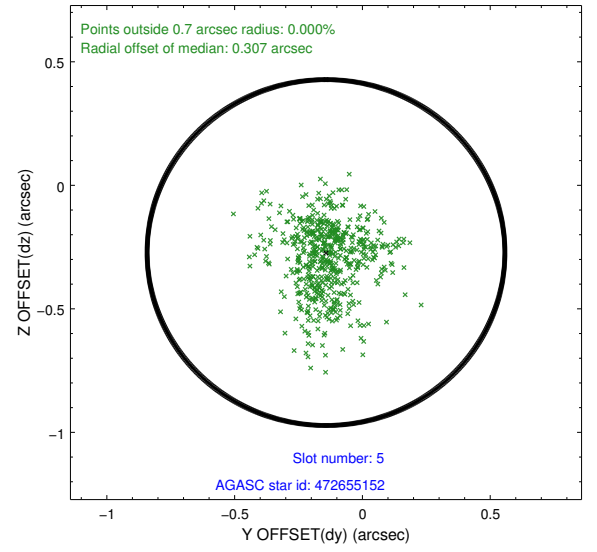
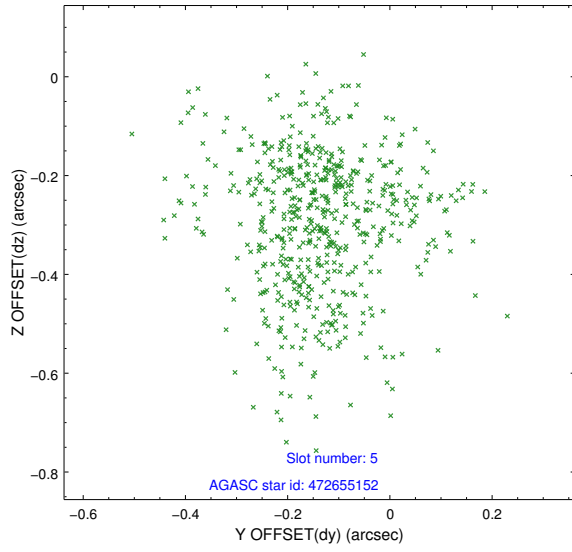
2.4.1 Slot 3



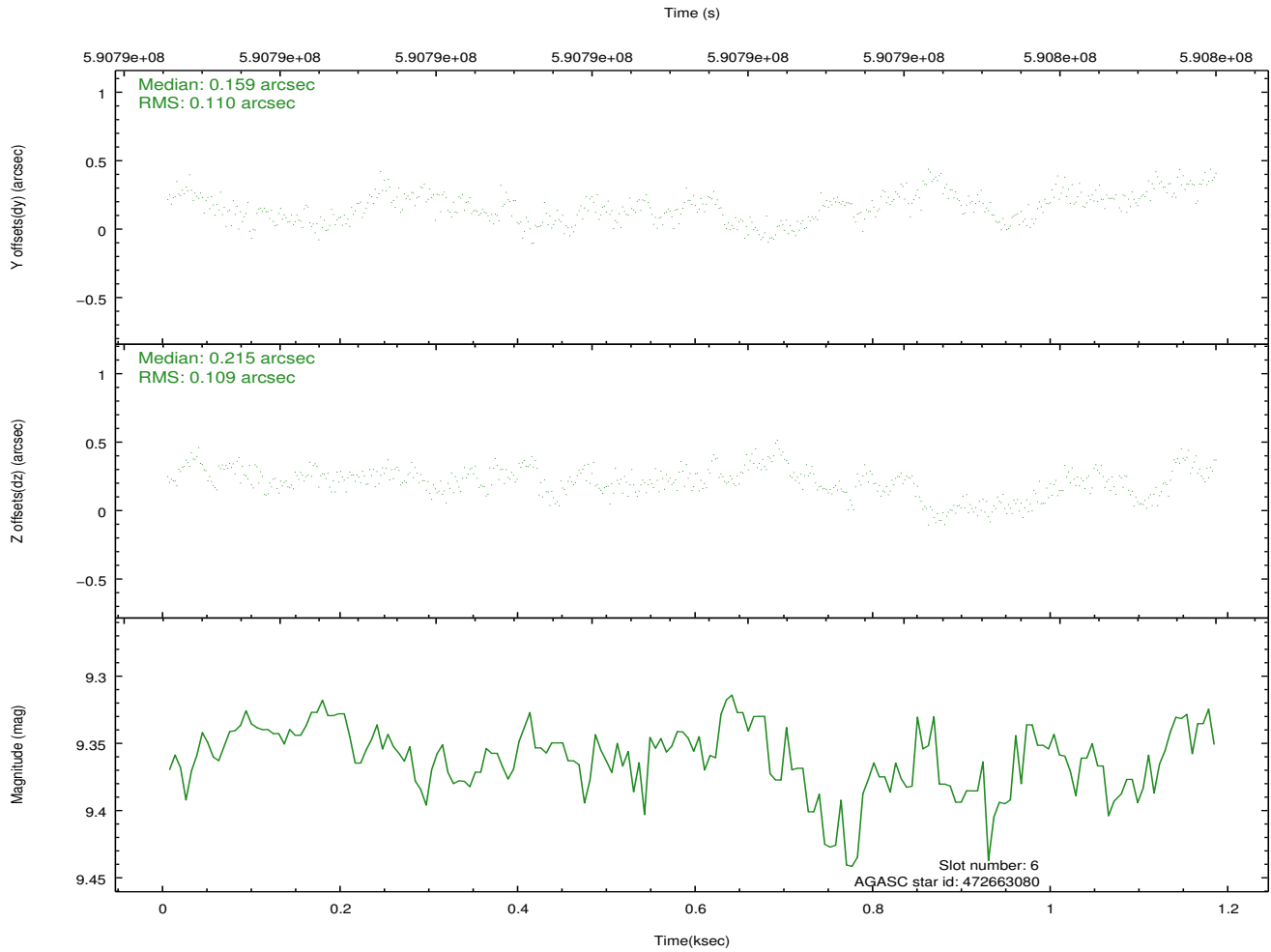
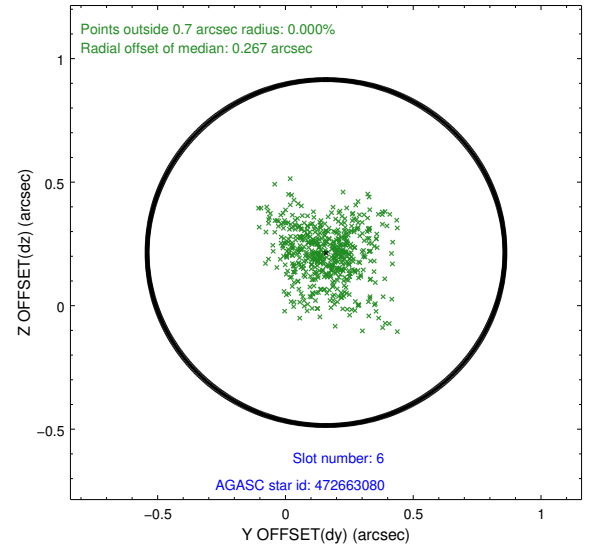
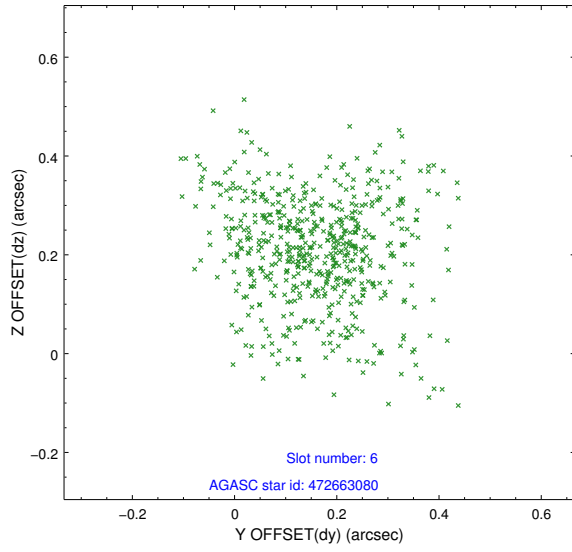
2.4.2 Slot 4



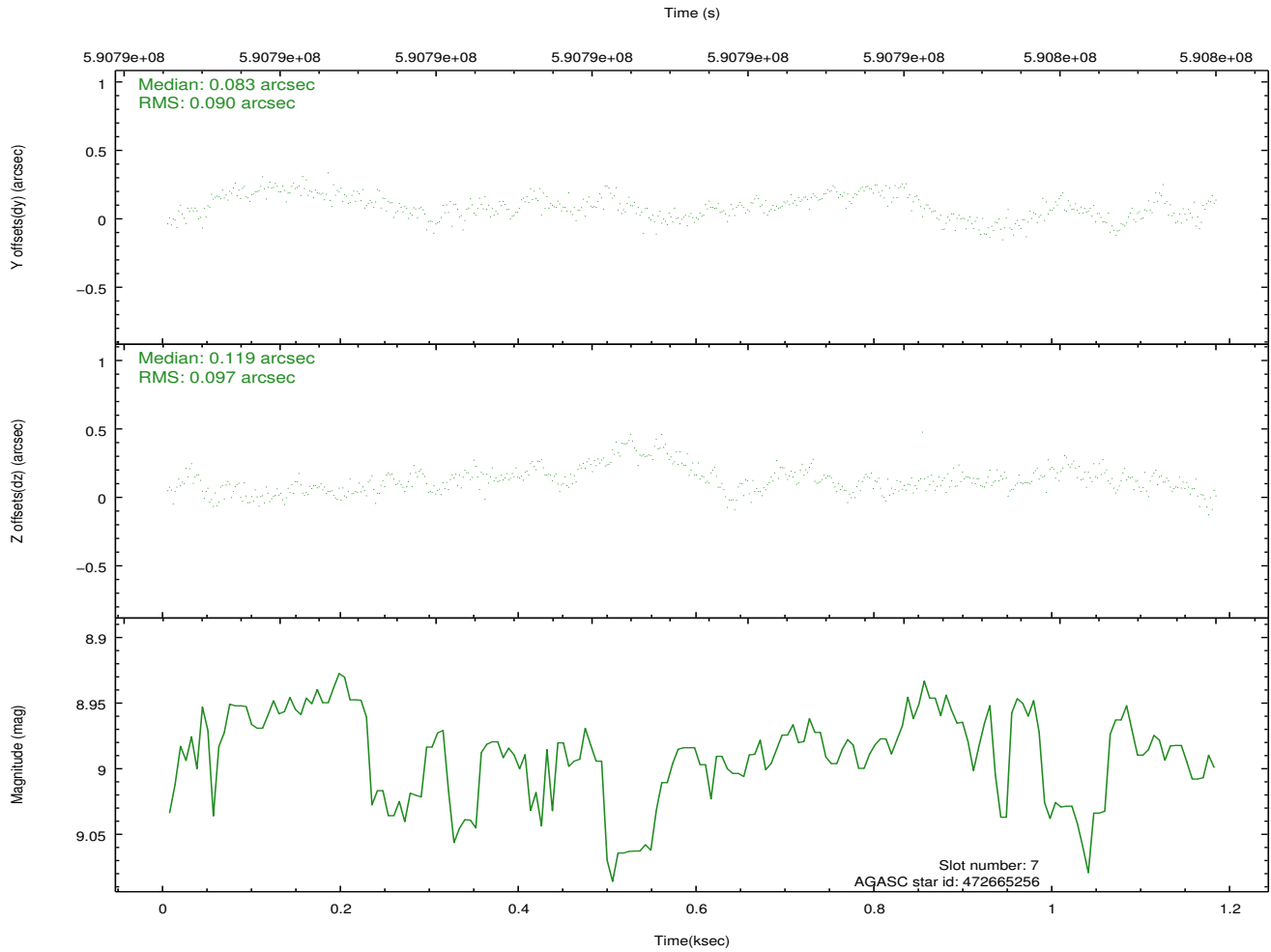
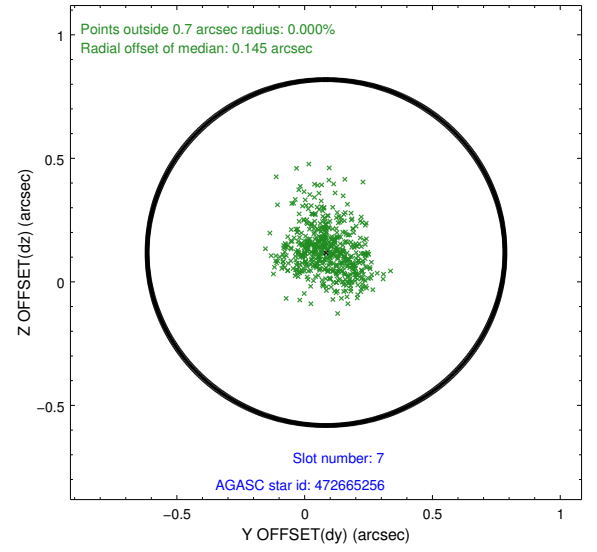
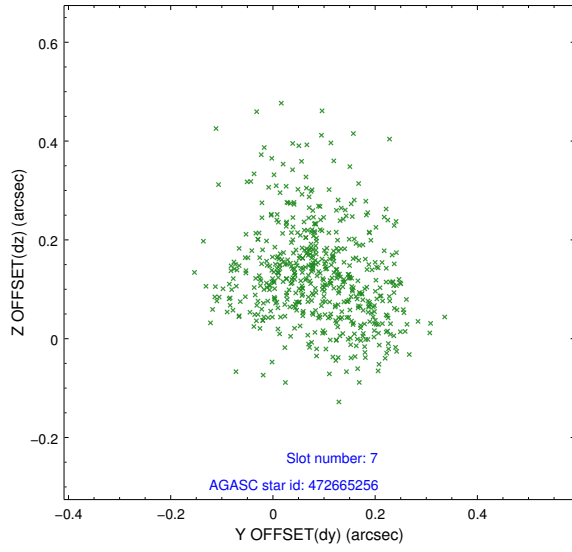
2.4.3 Slot 5



2.4.4 Slot 6

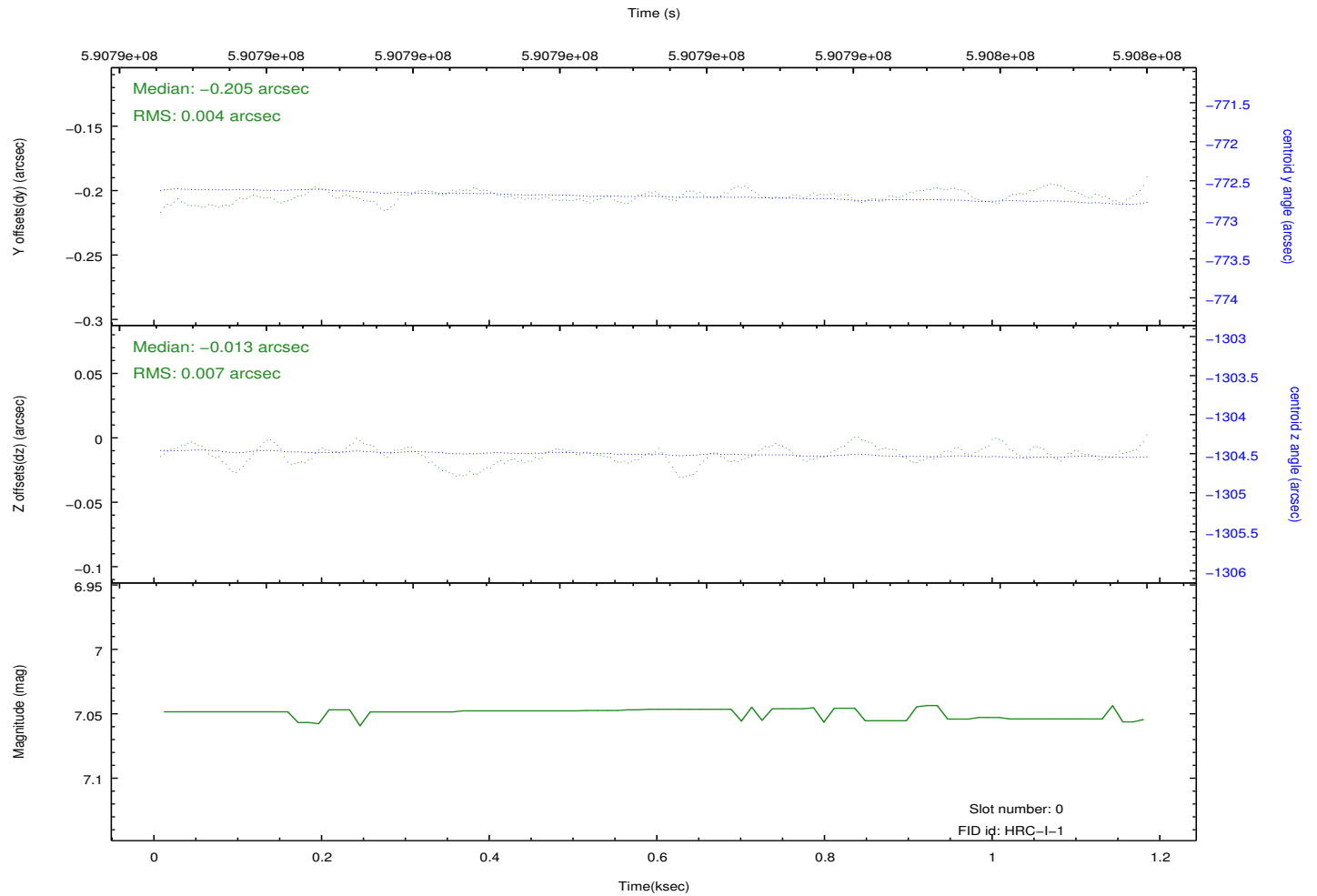
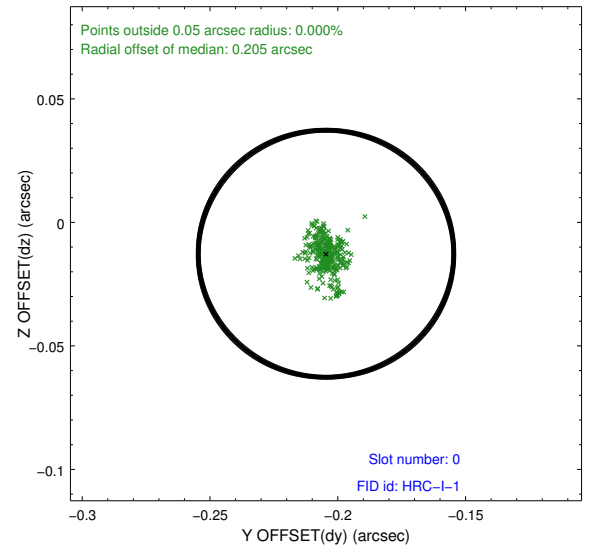
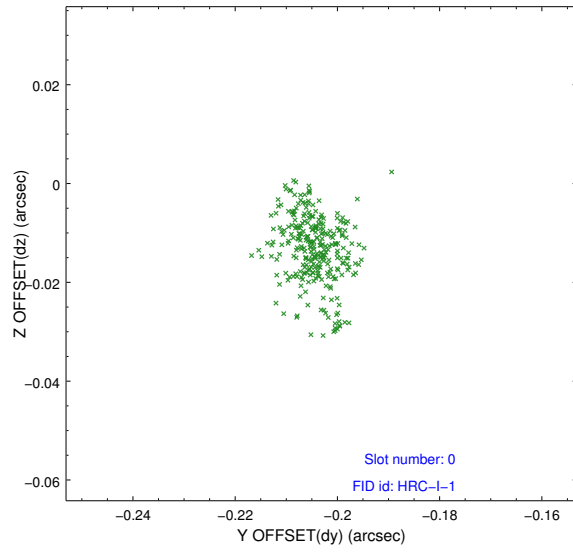


2.4.5 Slot 7

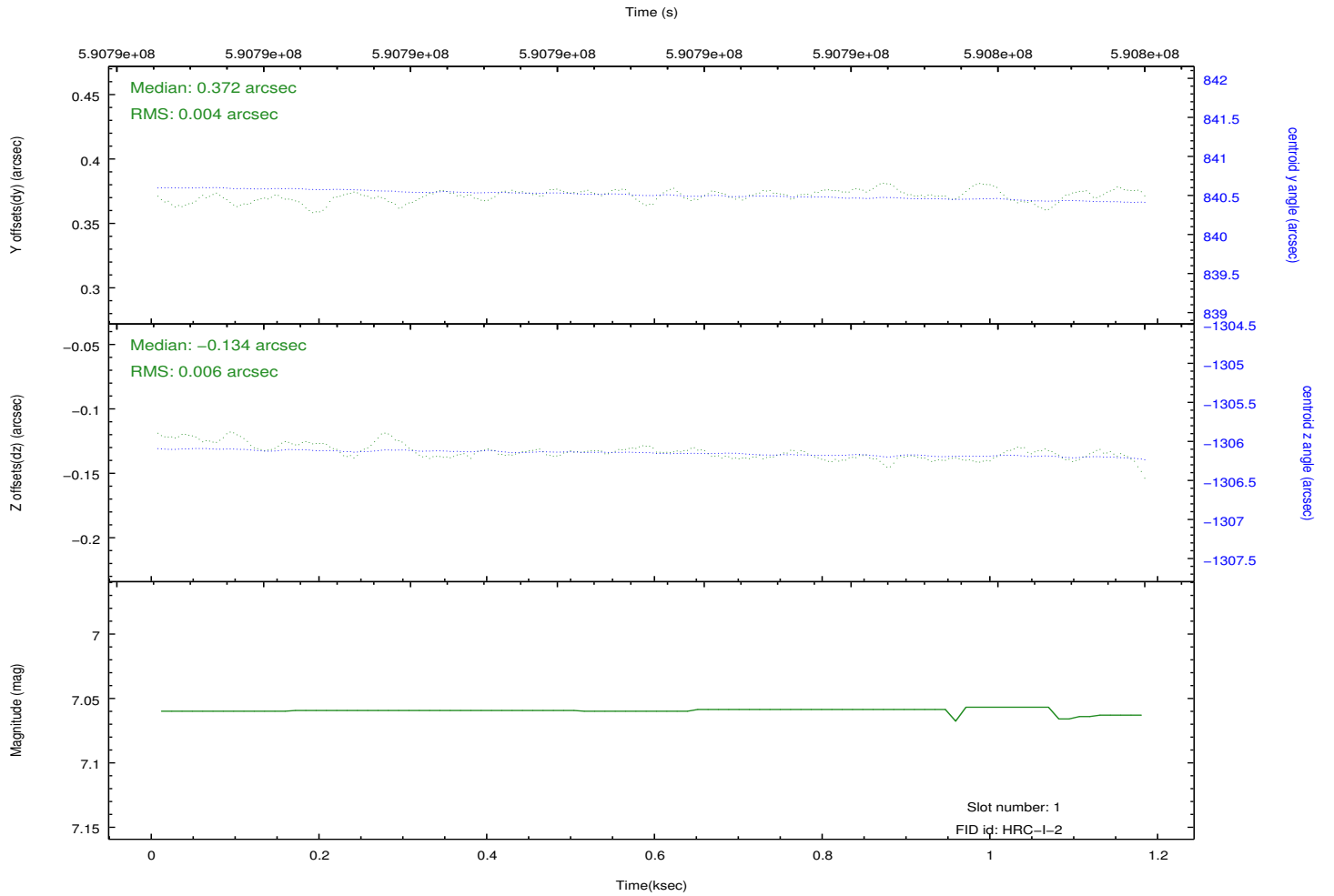
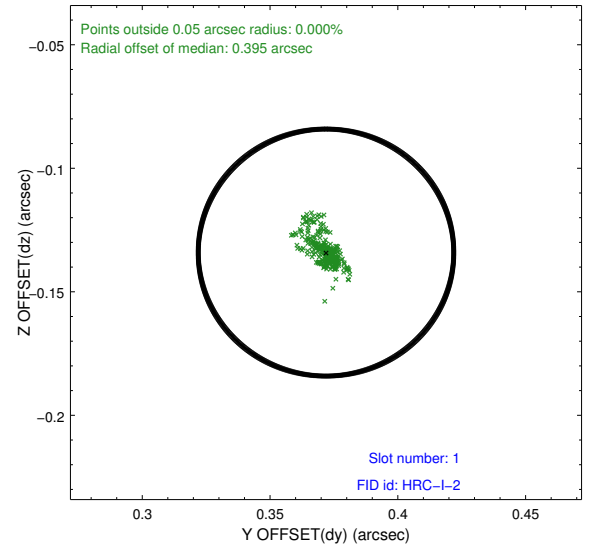
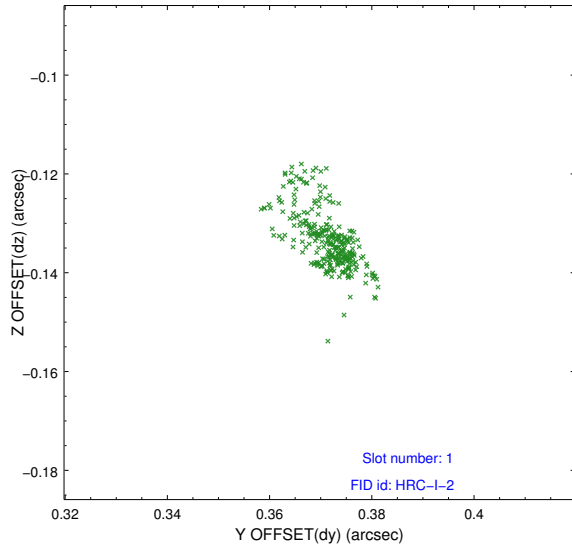


2.5 FID Slots

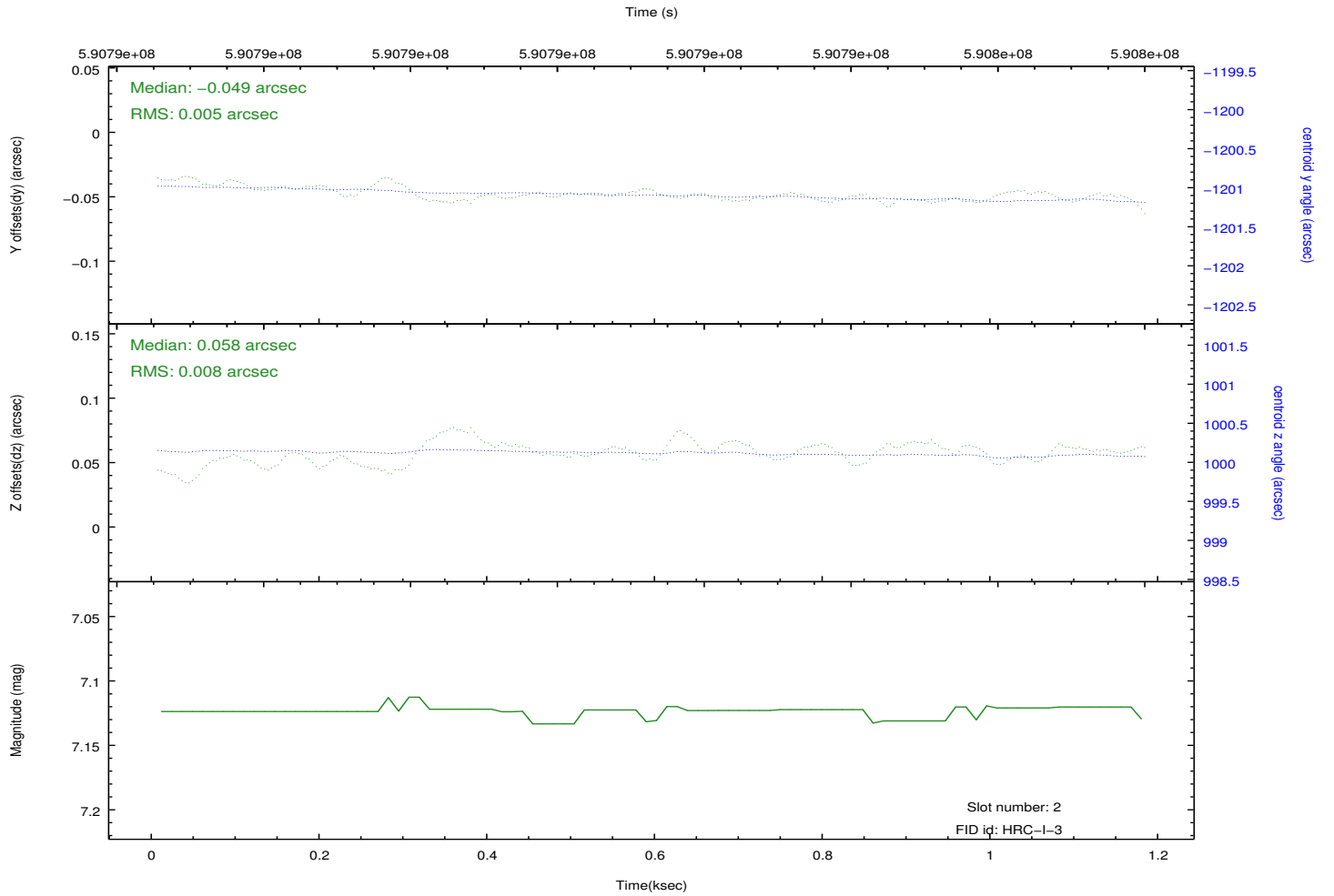
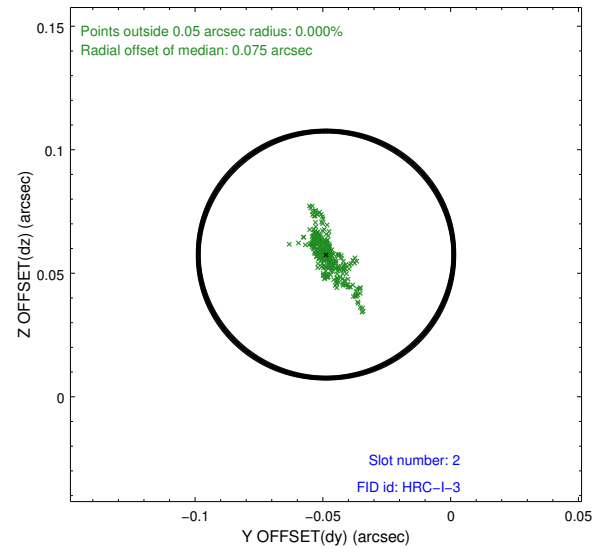
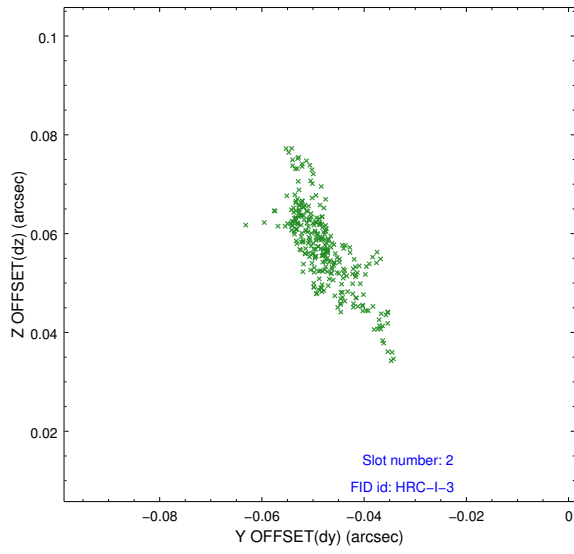
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1797750679255

A.2 Comments