

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16377 - L2 Version 1
Chandra X-Ray Center

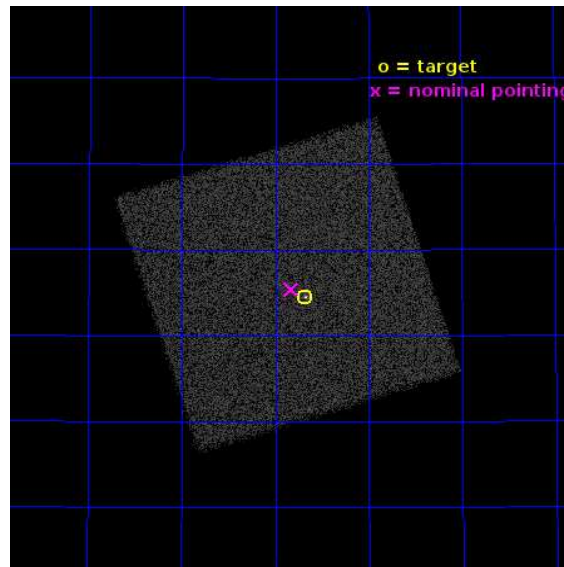
L2 Processing Date : Sep 16 2014

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1 Front

seq_num	291149	Sequence number
obs_id	16377	Observation id
title	AO-15 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	332.2067526223	Nominal RA [deg]
dec_nom	45.756866733353	Nominal Dec [deg]
roll_nom	207.3675955543	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1179.7750655413	[s]
livetime	1170.4723701632	Ontime multiplied by DTCOR
l2events	75480	Number of level 2 events

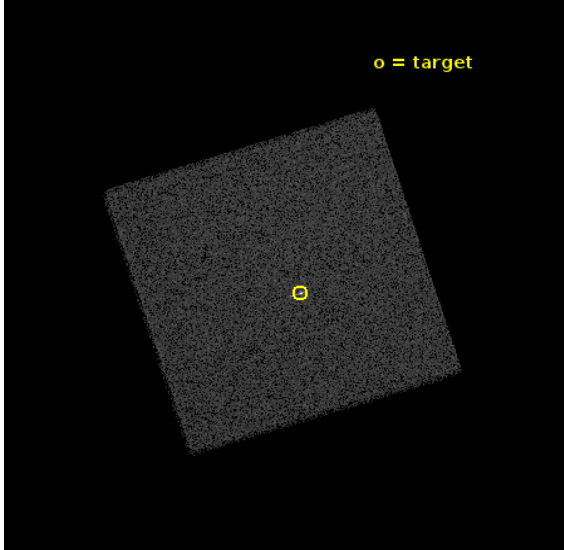


2 OBI

2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	1179.7750655413	[s]
caldbver	4.6.3	 	l1events	127884	Number of level 1 events
date	2014-09-16T19:54:27	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

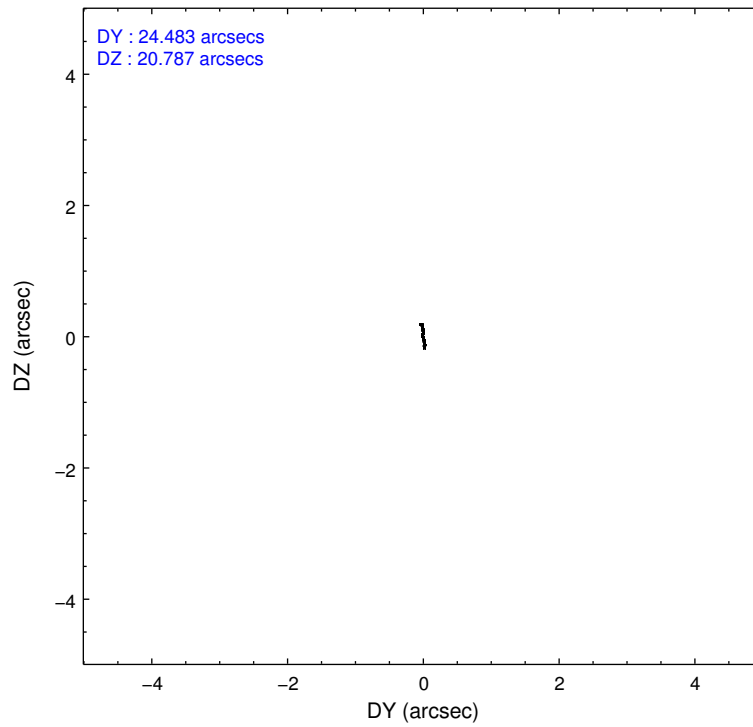
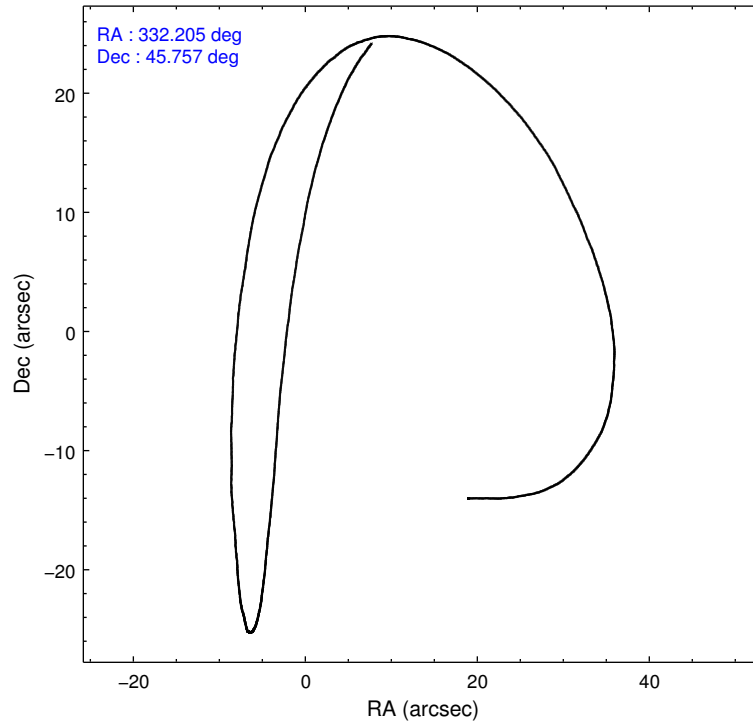
Level 1 Events

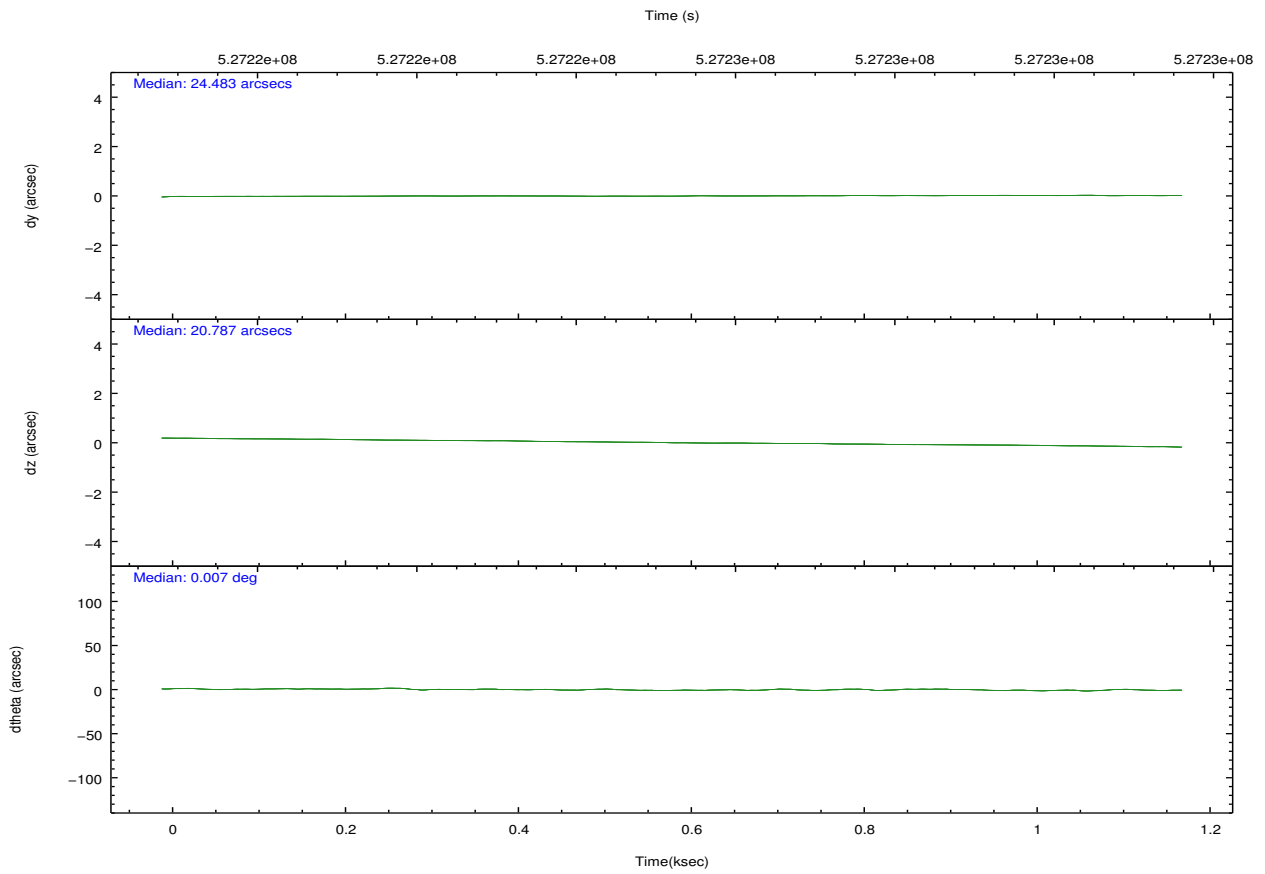
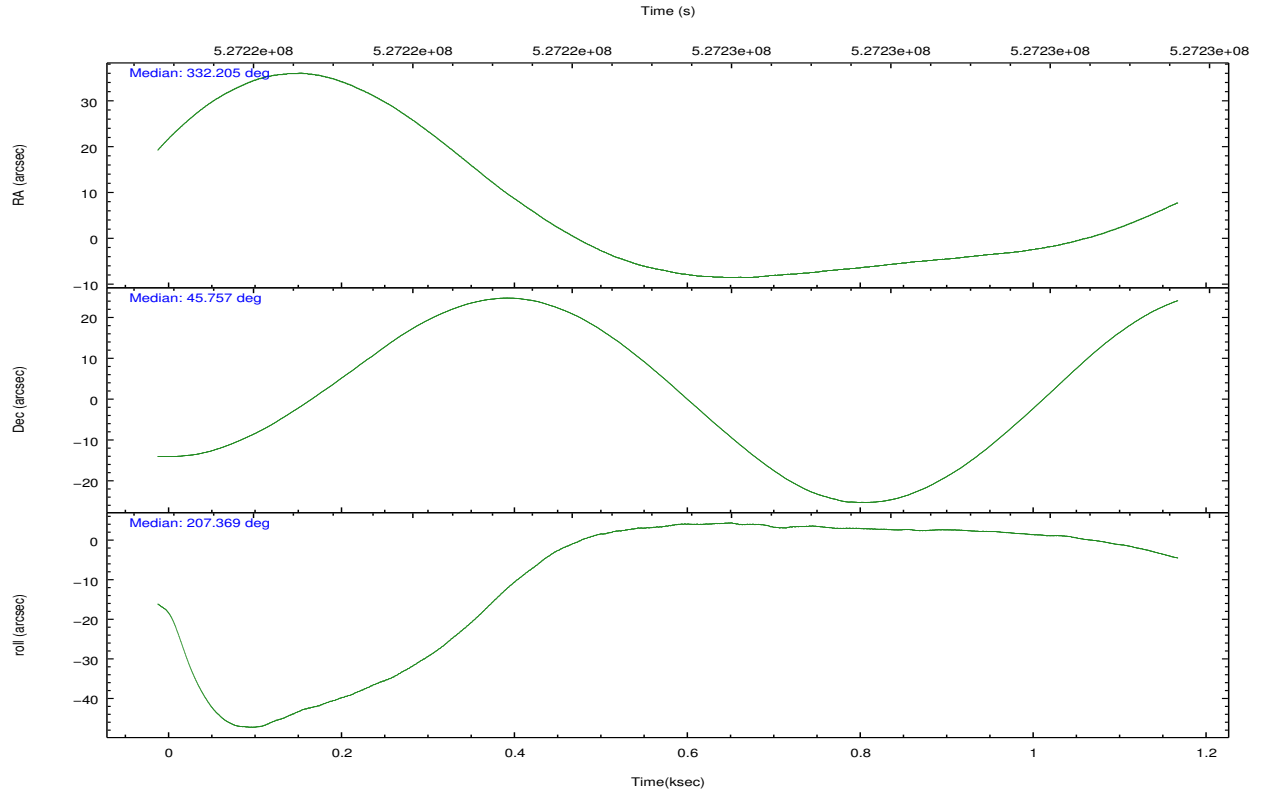
	segment 0
level 1 events	127884
rejected events	28187
rejected %	22%

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	332.226625	332.2067526223001			
[deg] Pointing Dec	45.780495	45.75686673335272			
[deg] Pointing Roll	207.448863	207.3675955542978			
[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)	527224711.184000	527224335.23823			
Observation start date	2014-09-16T03:17:24	2014-09-16T03:12:15			
[s] Observation end time (MET)	527225711.184000	527225845.57581			
Observation end date	2014-09-16T03:34:04	2014-09-16T03:37:25			

2.3 Aspect



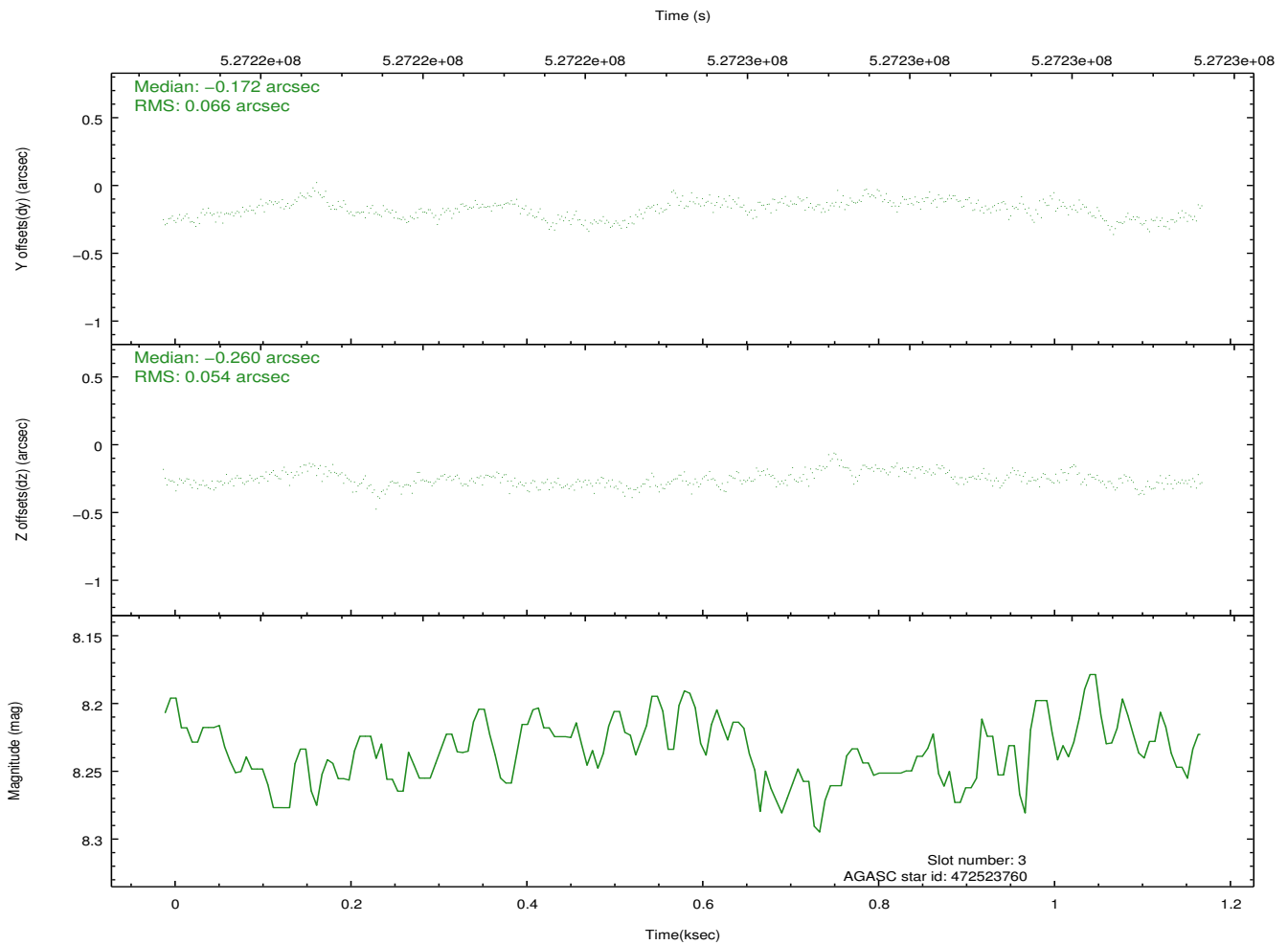
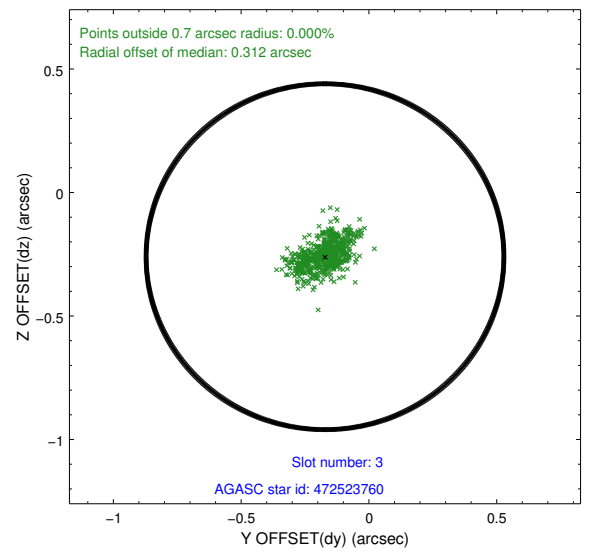
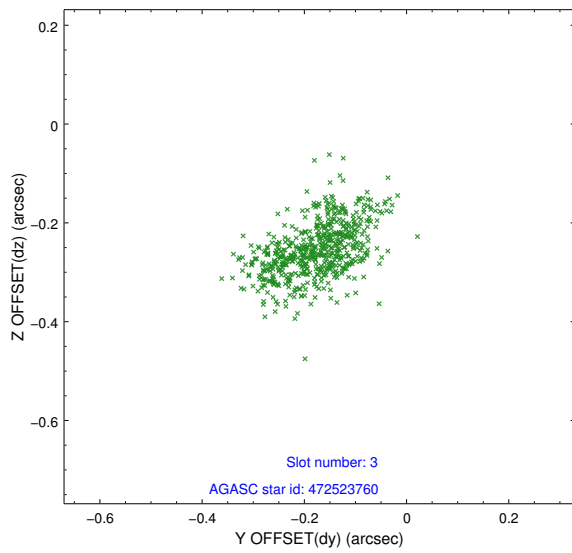


Slot Statistics

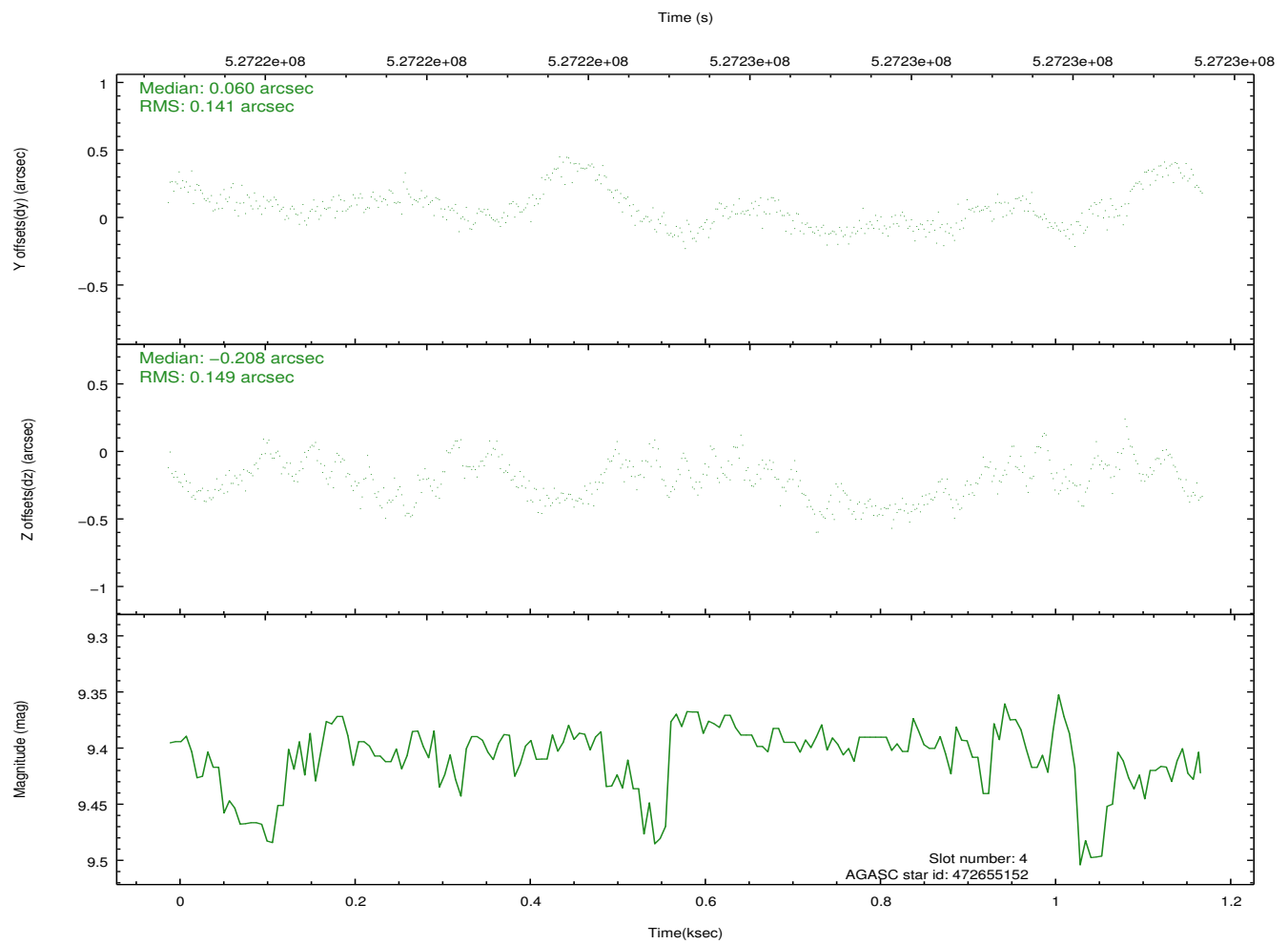
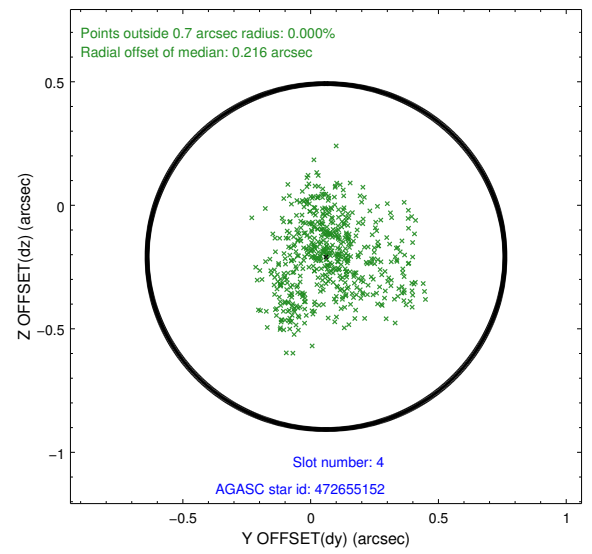
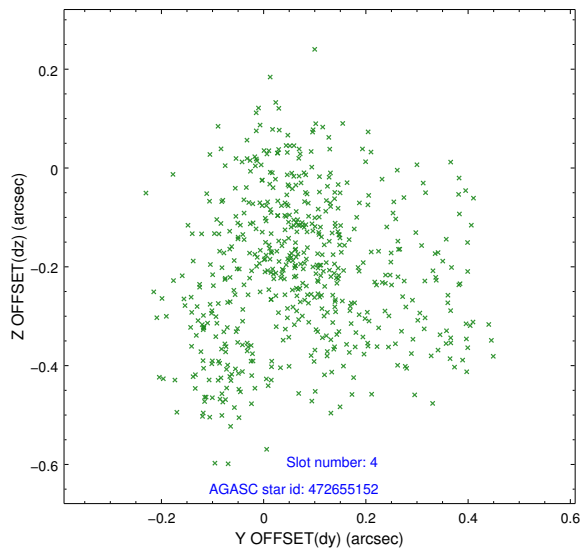
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	288	0.055	-0.079	0.007	0.012	0.000000	0.000000	832.18	-1310.68
1	FID	HRC-I-3	7.11	288	-0.216	-0.006	0.007	0.012	0.000000	0.000000	-1206.38	990.92
2	FID	HRC-I-4	7.03	288	0.280	-0.001	0.007	0.013	0.000000	0.000000	1258.31	996.59
3	GUIDE	472523760	8.24	577	-0.172	-0.260	0.092	0.150	331.645363	45.403260	1928.22	521.71
4	GUIDE	472655152	9.40	577	0.060	-0.208	0.227	0.343	332.504239	45.862991	-750.79	55.73
5	GUIDE	472665256	8.98	577	0.375	0.226	0.116	0.197	332.808125	46.195041	-1976.30	-662.14
6	GUIDE	472525528	6.64	577	-0.693	-0.090	0.091	0.151	331.551102	45.248694	2395.31	900.90
7	GUIDE	472663080	9.38	575	0.425	0.326	0.136	0.211	332.652741	46.473840	-2083.92	-1730.10

2.4 Star Slots

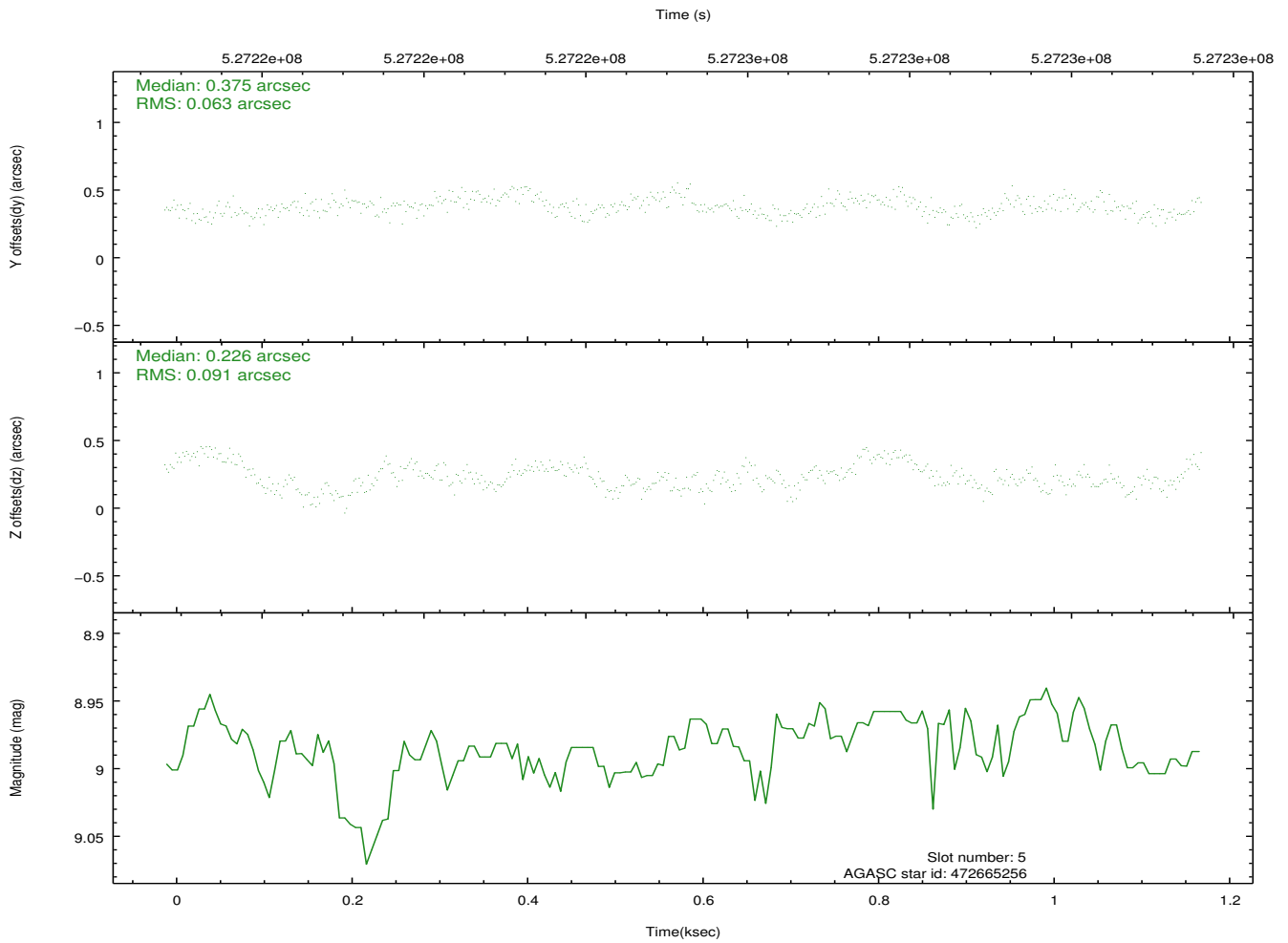
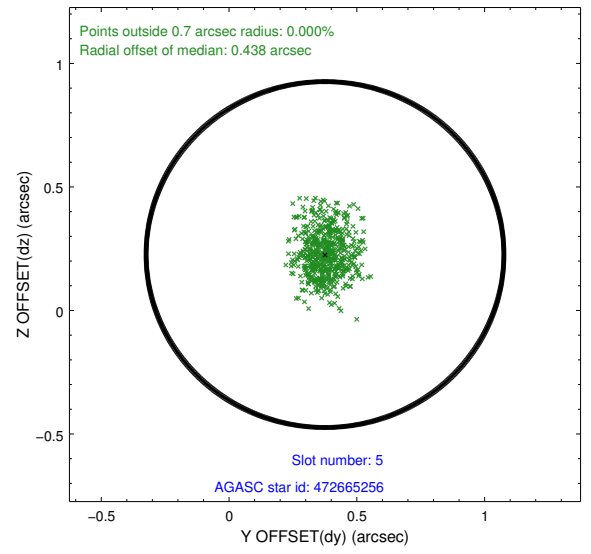
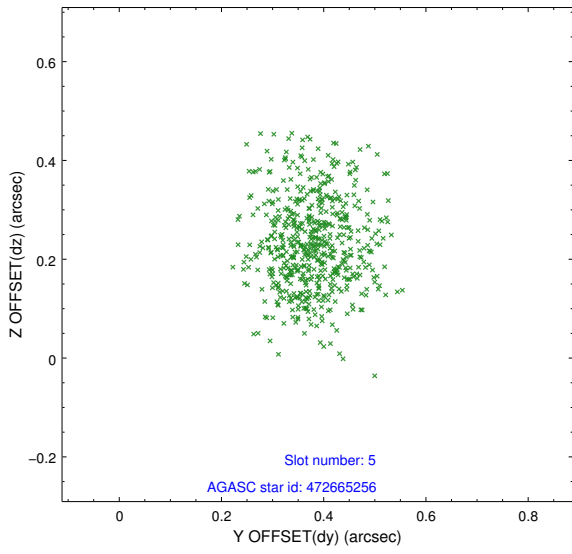
2.4.1 Slot 3



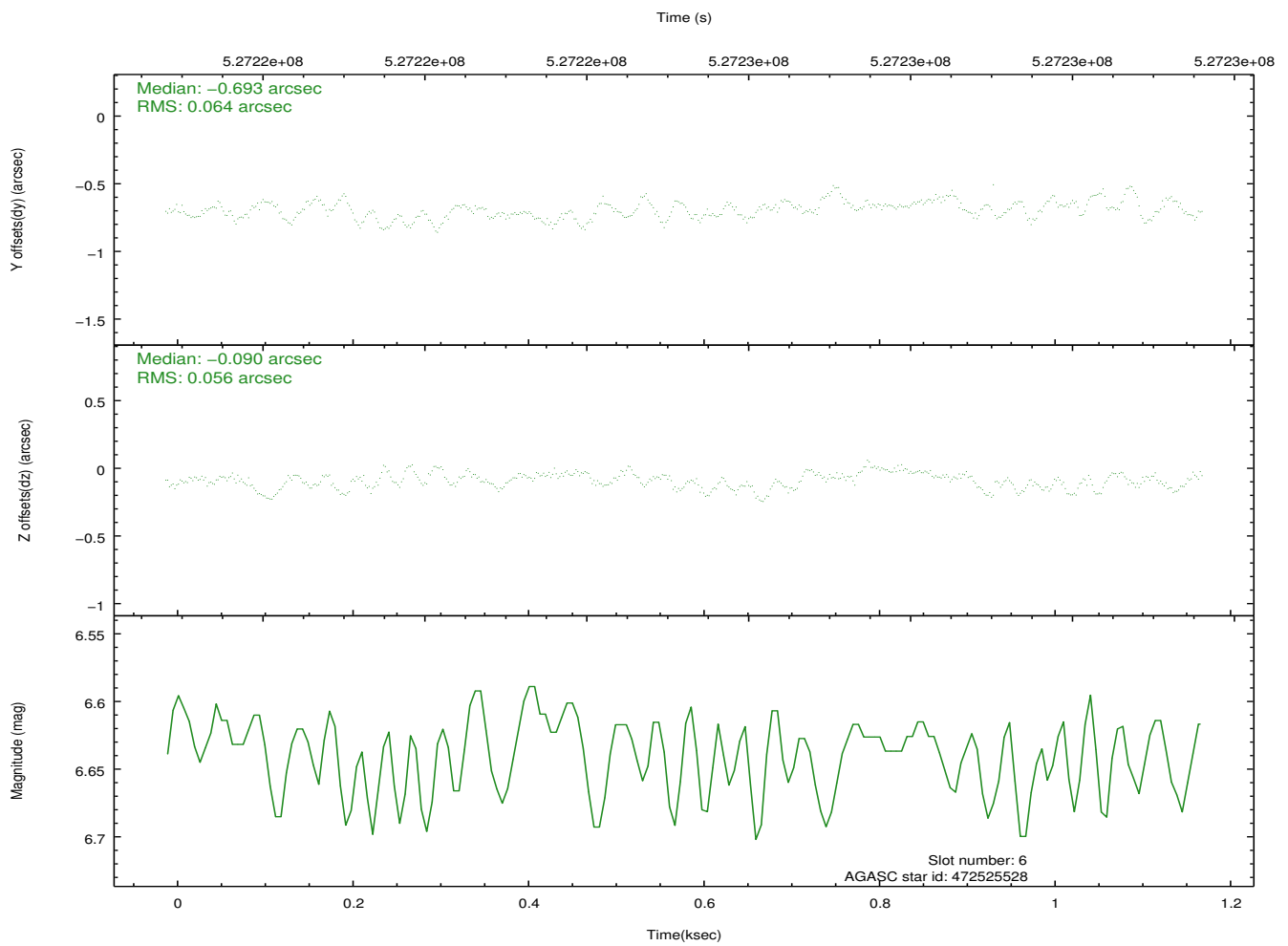
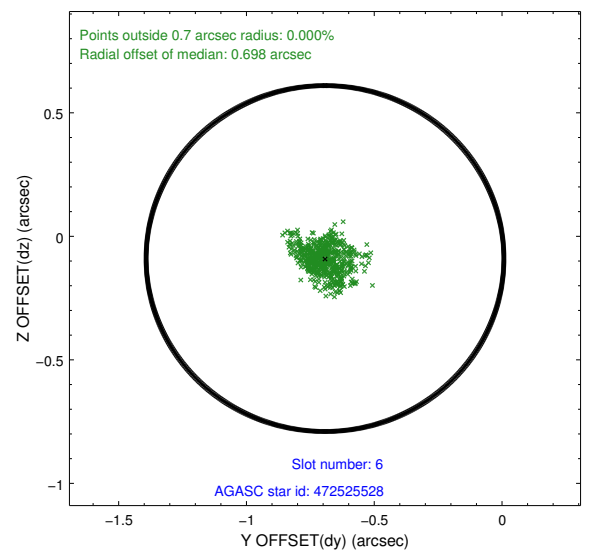
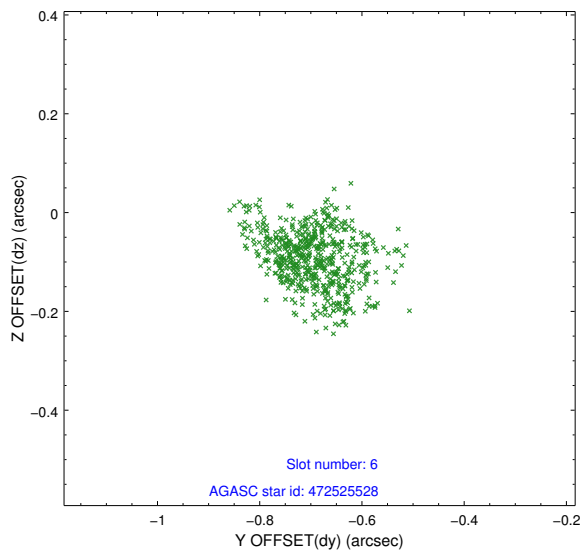
2.4.2 Slot 4



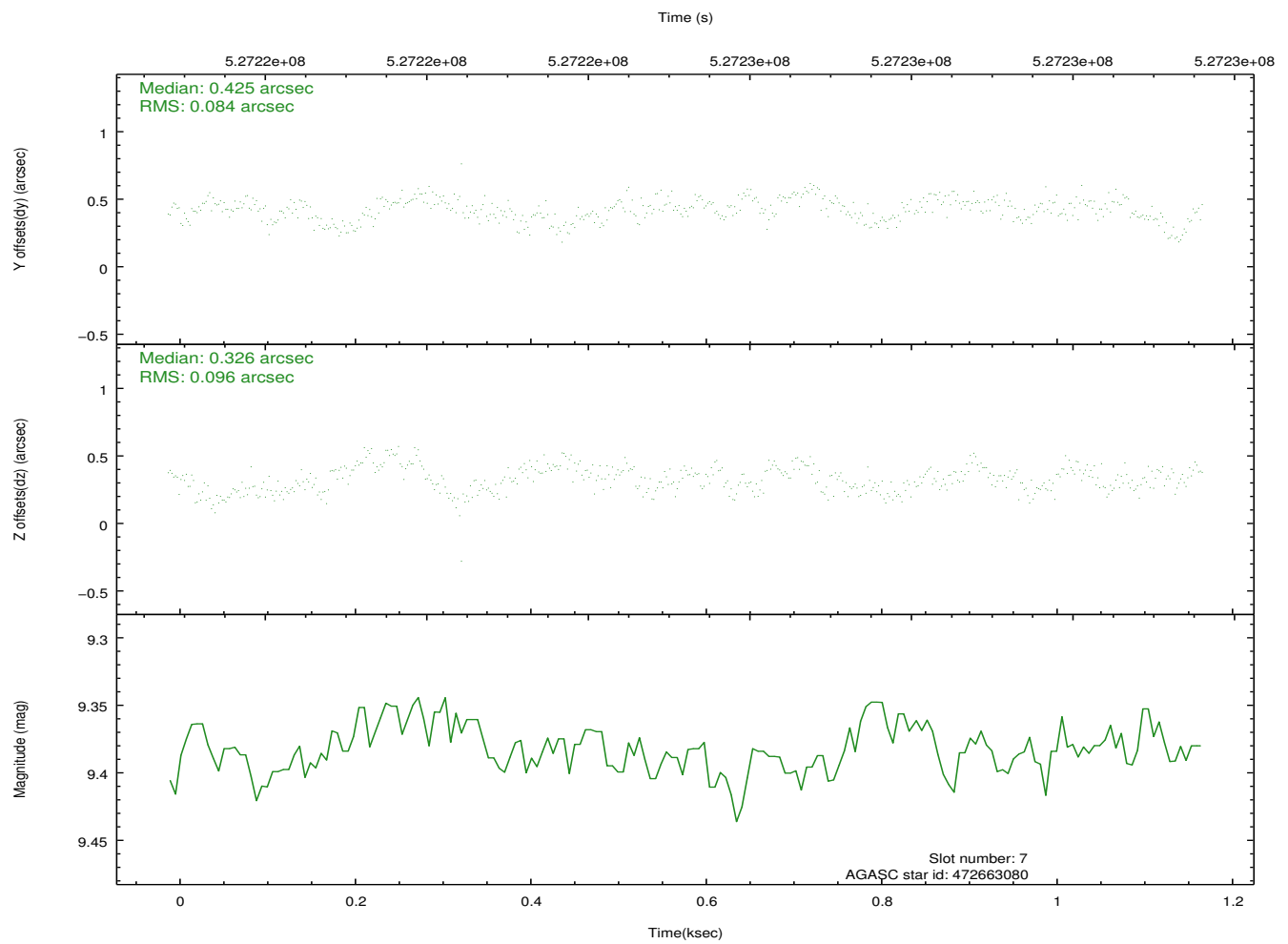
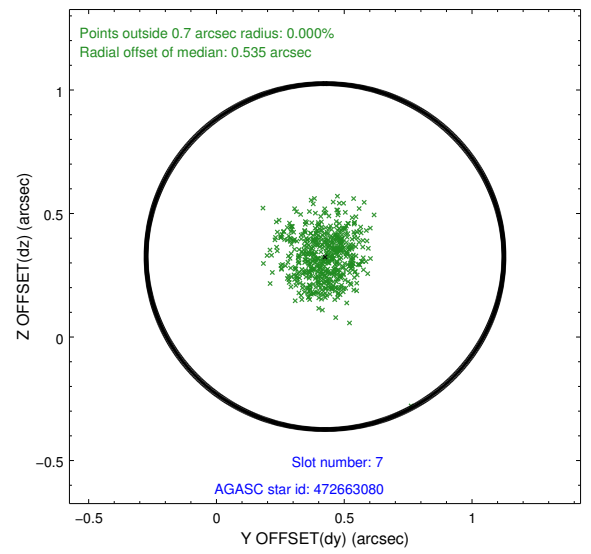
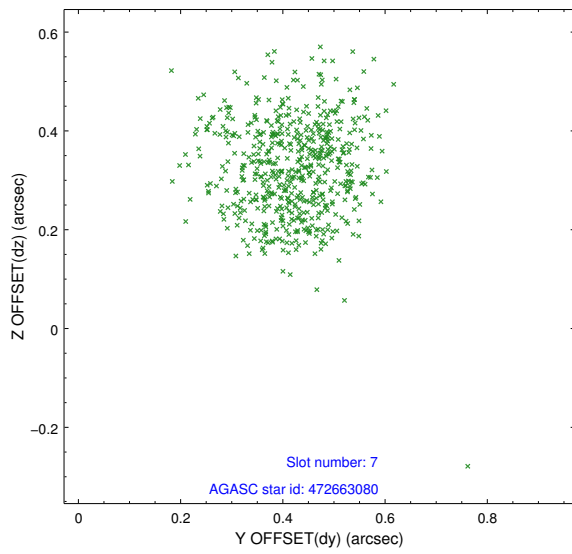
2.4.3 Slot 5



2.4.4 Slot 6

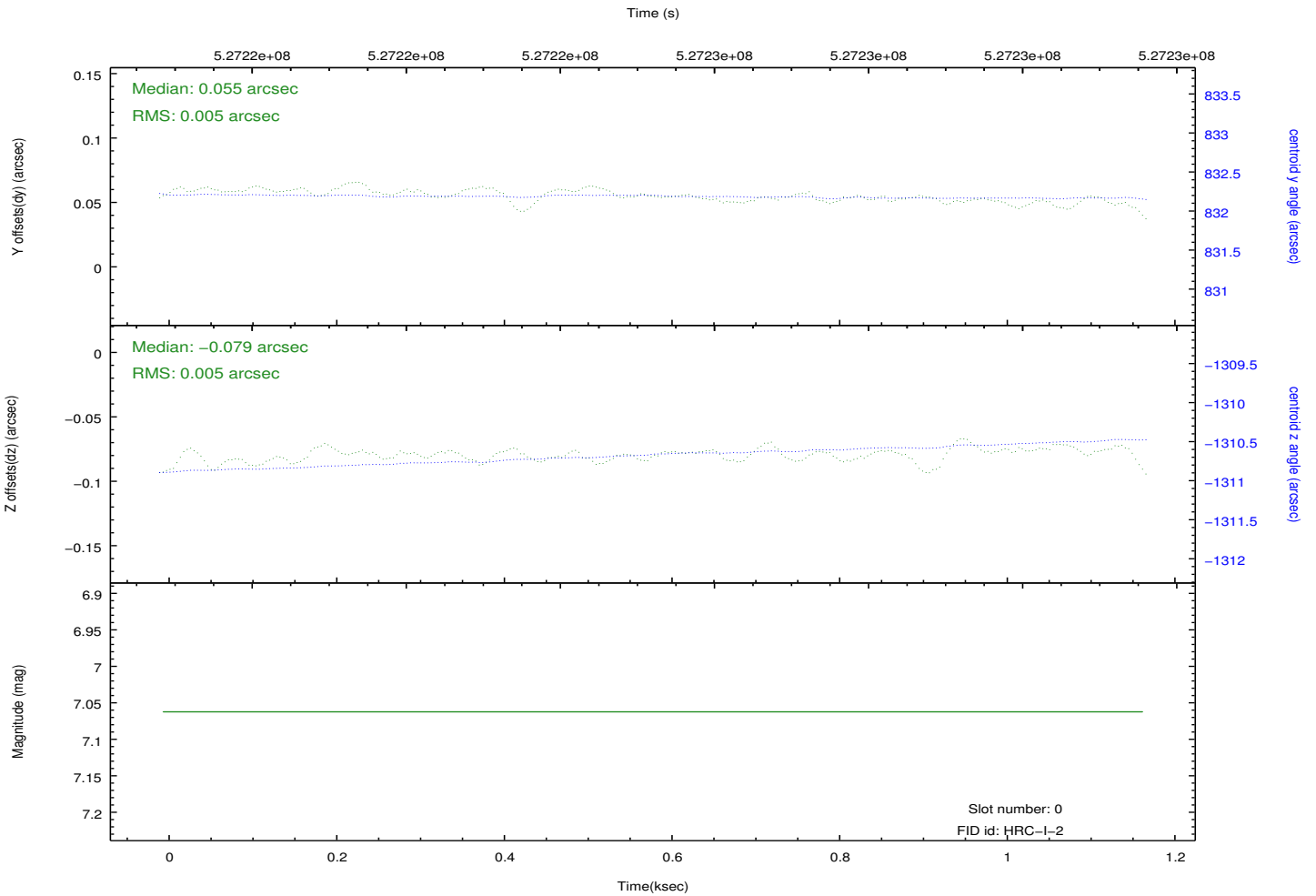
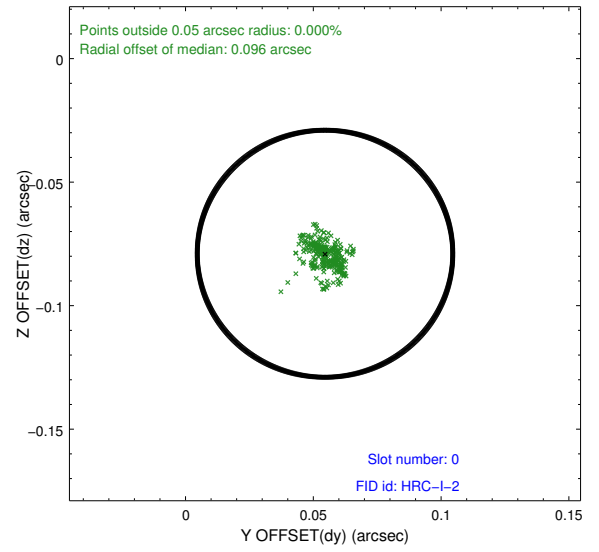
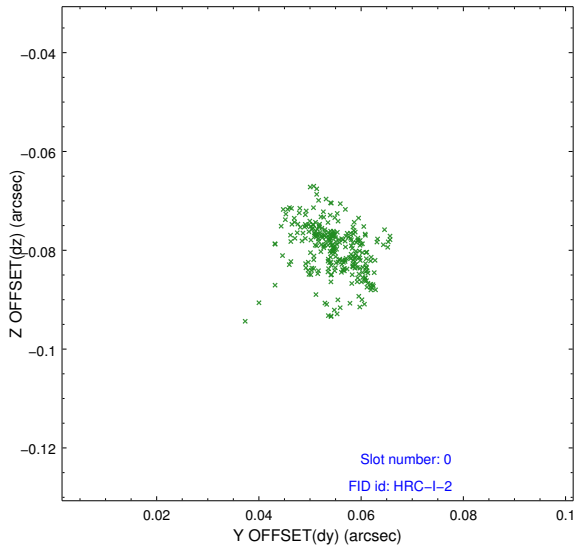


2.4.5 Slot 7

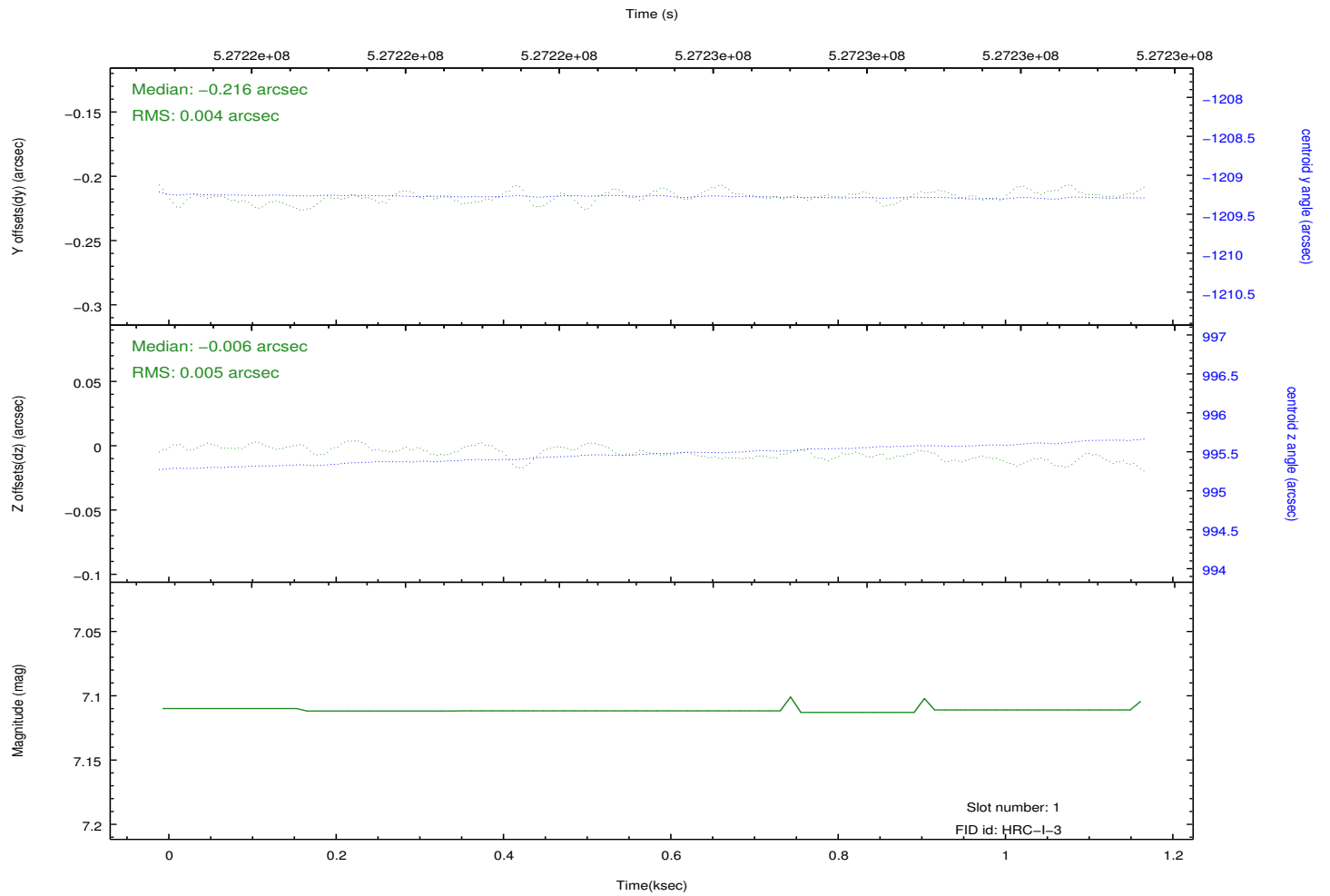
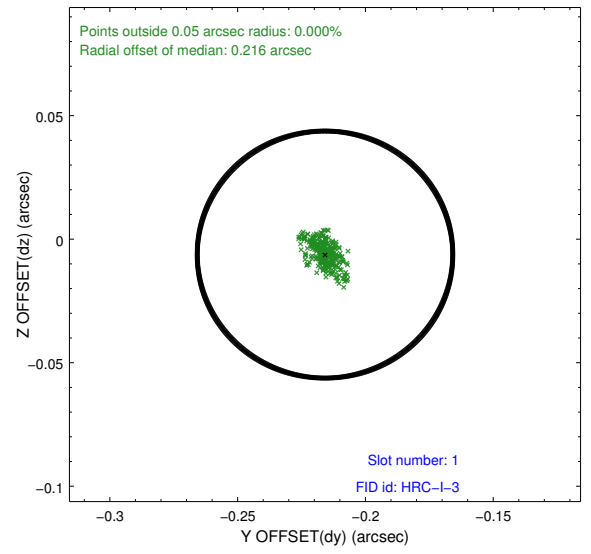
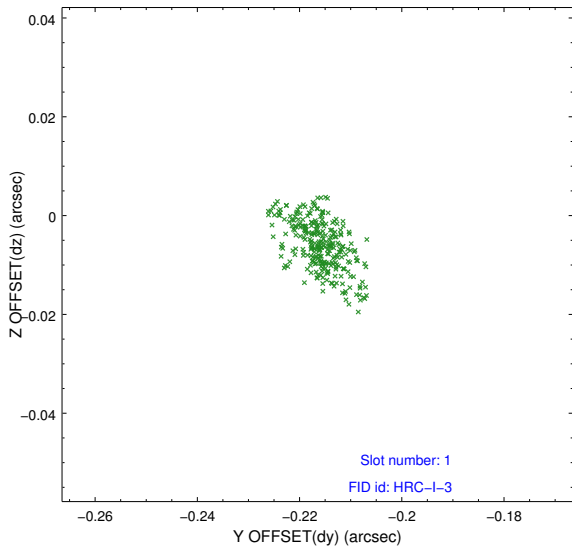


2.5 FID Slots

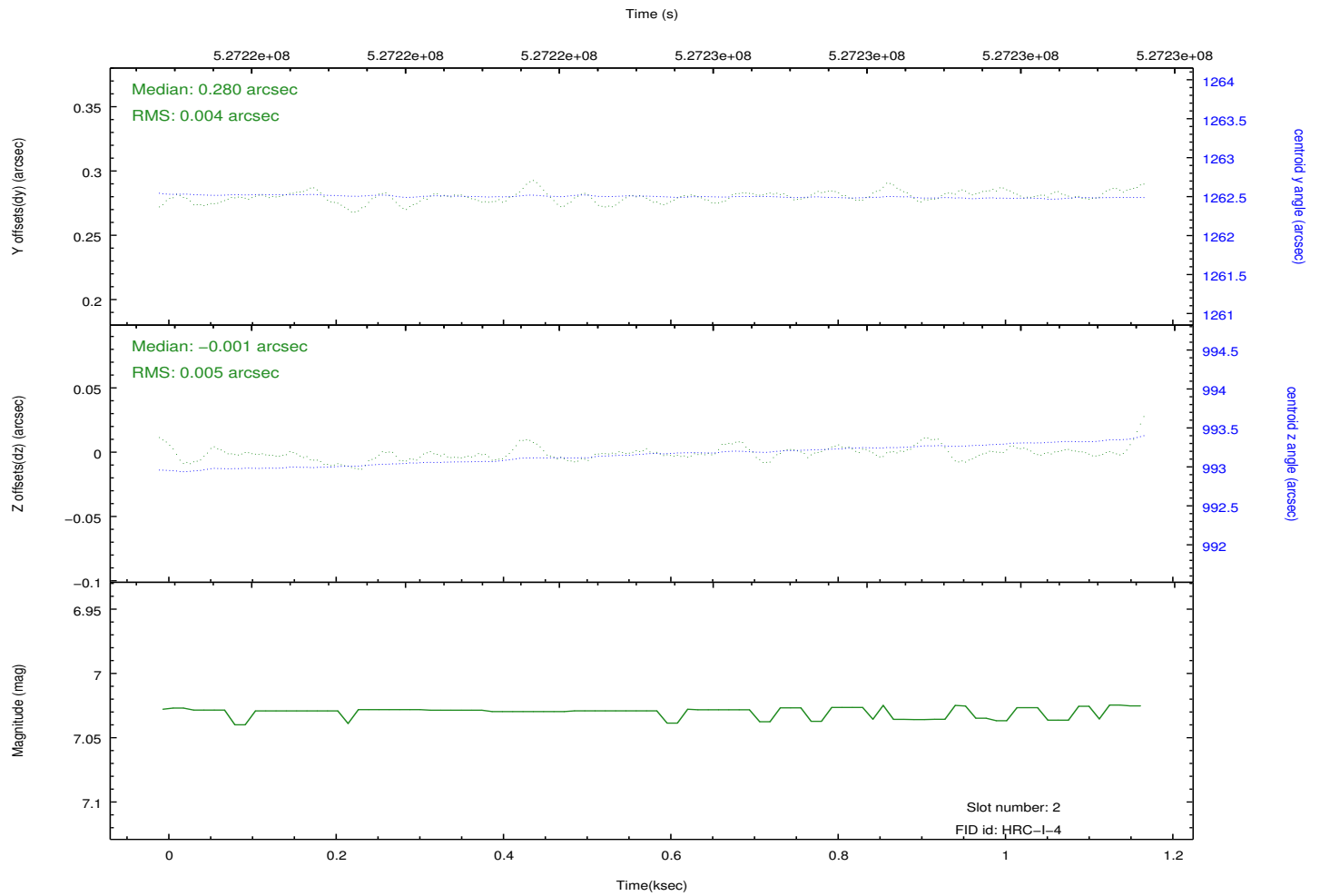
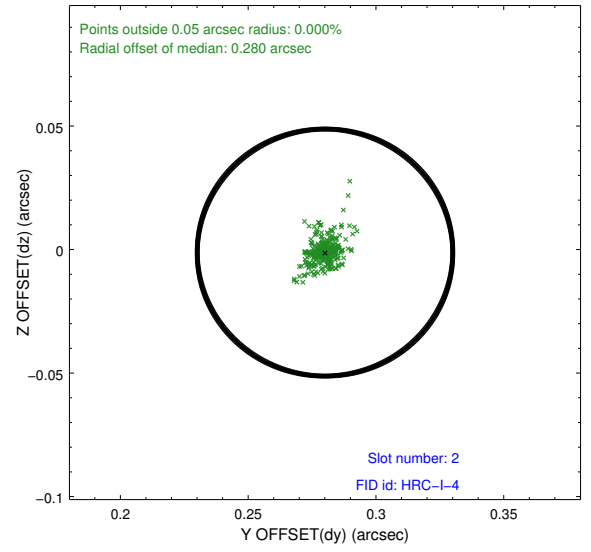
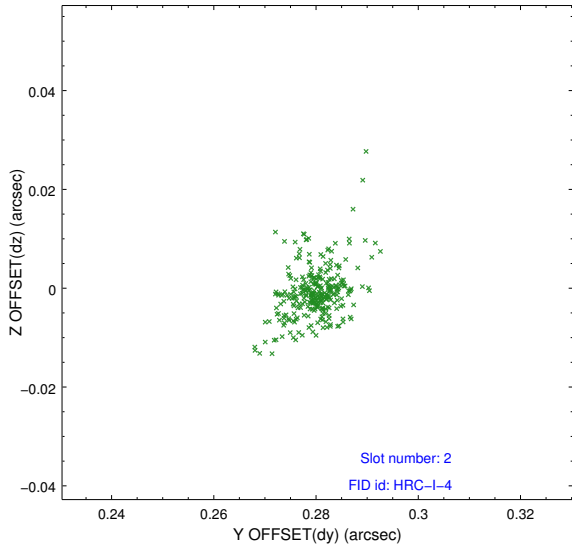
2.5.1 Slot 0



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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1797750655413

A.2 Comments