

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5984 - L2 Version 4
Chandra X-Ray Center

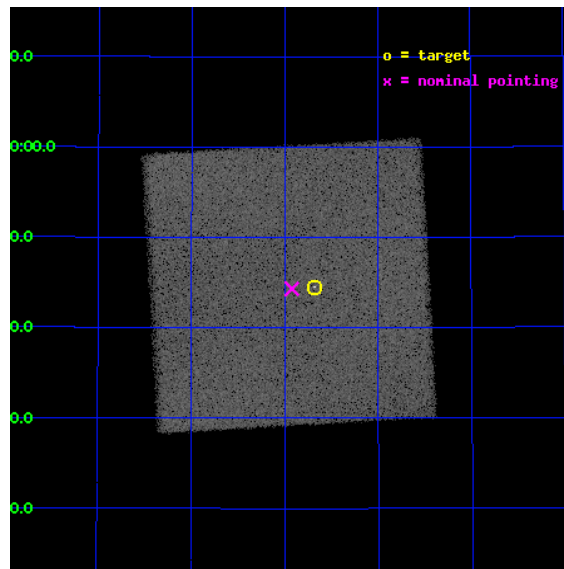
L2 Processing Date : Dec 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

seq_num	290476	Sequence number
obs_id	5984	Observation id
title	AO6 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	332.23056959512	Nominal RA [deg]
dec_nom	45.738862362647	Nominal Dec [deg]
roll_nom	221.7139797323	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.0813043714	[s]
livetime	330.81419627497	Ontime multiplied by DTCOR
l2events	168756	Number of level 2 events

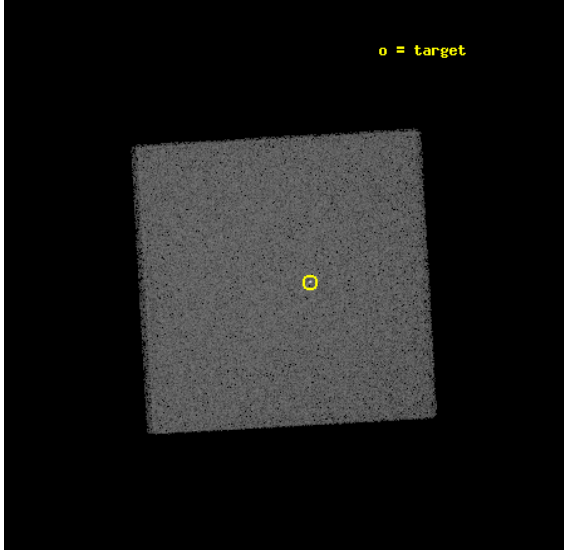


2 OBI

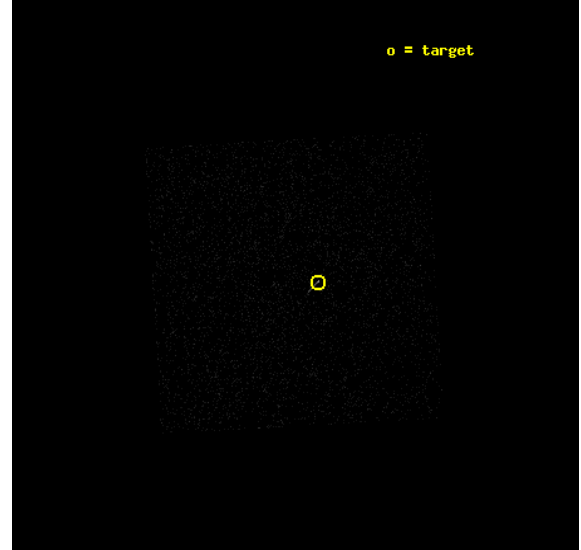
2.1 OBI

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	8.5.1.1	Processing system revision	ontime	1182.0813043714	[s]
caldbver	4.5.5	 	l1events	278181	Number of level 1 events
date	2012-12-29T12:59:04	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

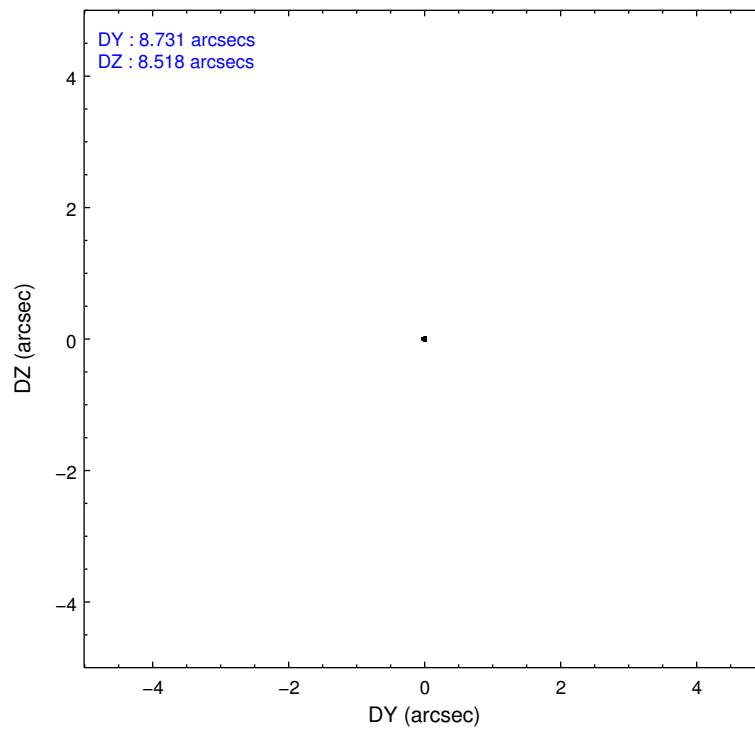
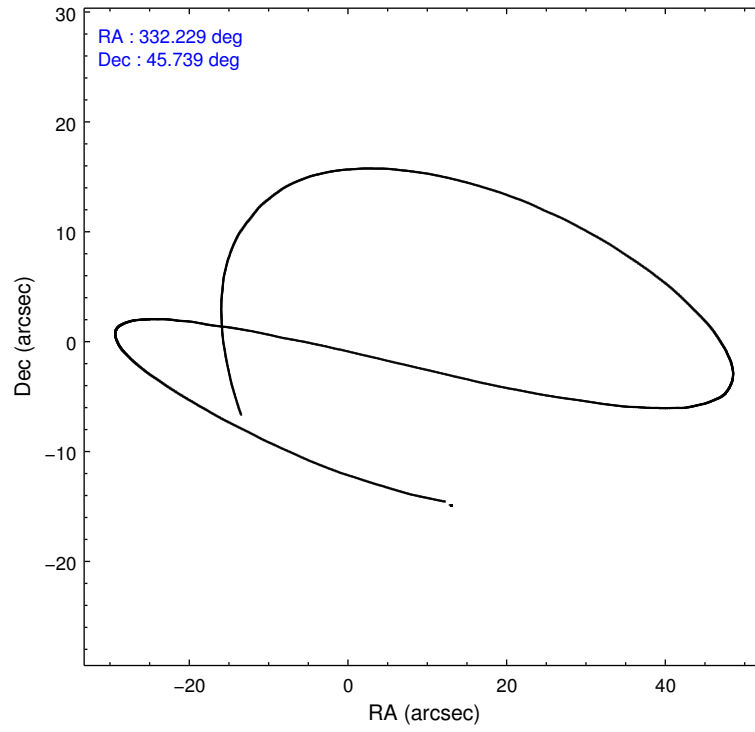
Level 1 Events

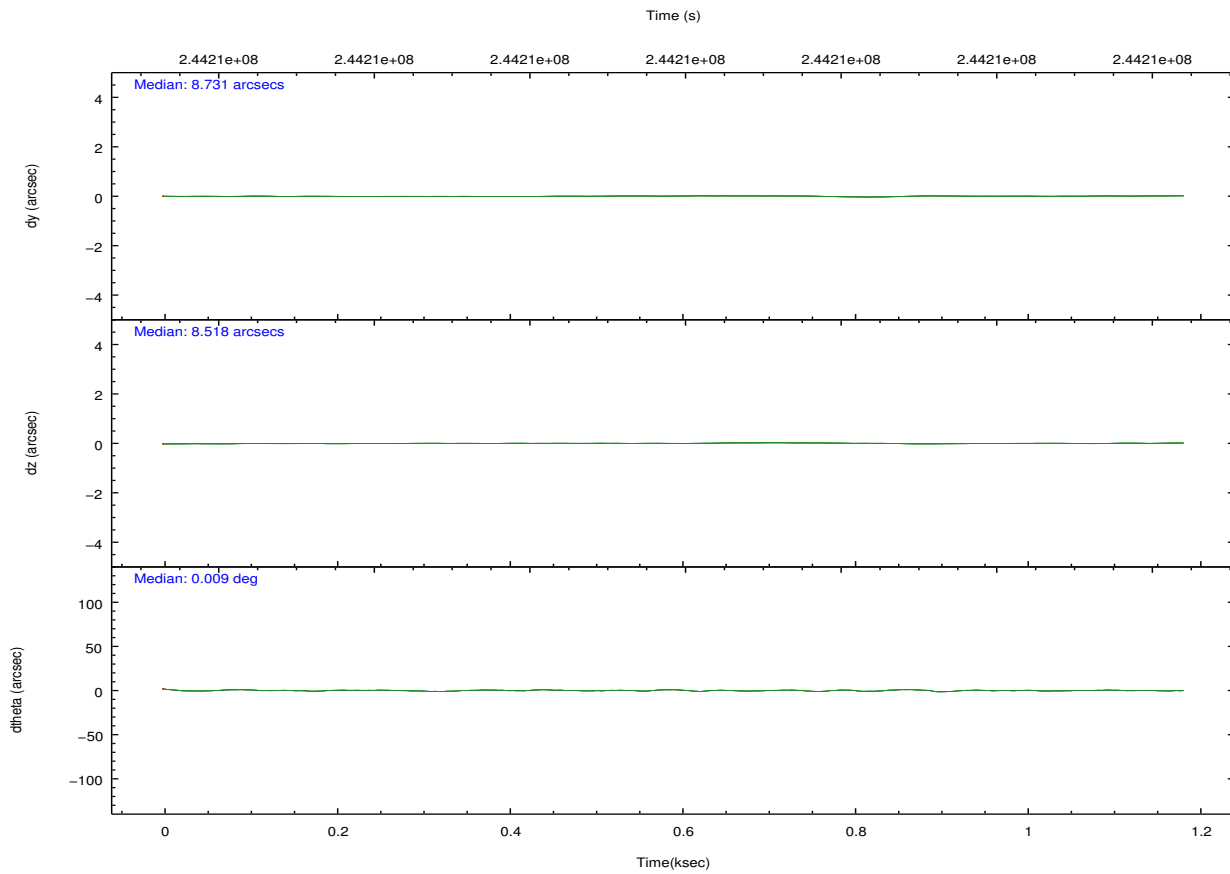
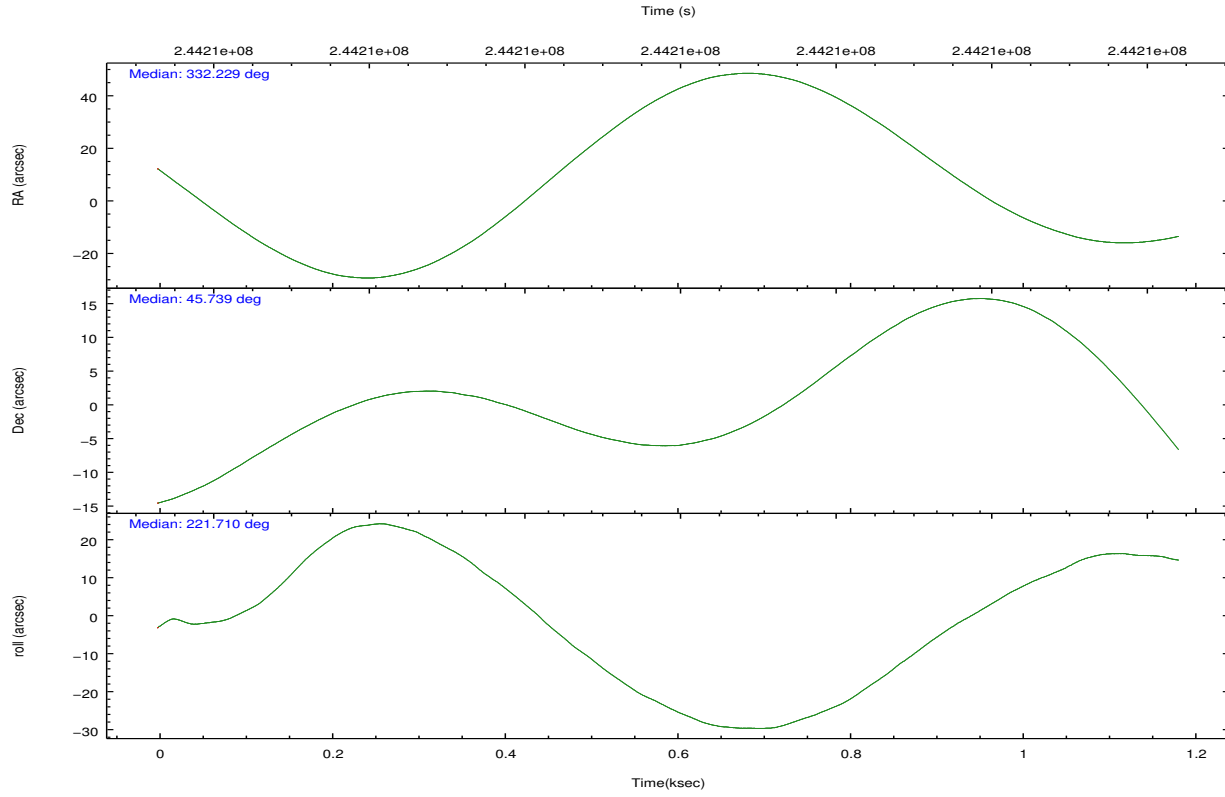
	segment 0
level 1 events	278181
rejected events	60150
rejected %	21%

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	332.243134	332.2305695951204			
[deg] Pointing Dec	45.764267	45.73886236264673			
[deg] Pointing Roll	221.800407	221.7139797323042			
[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)	244206772.184000	244206395.93493			
Observation start date	2005-09-27T11:11:48	2005-09-27T11:06:35			
[s] Observation end time (MET)	244207772.184000	244207905.76			
Observation end date	2005-09-27T11:28:28	2005-09-27T11:31:45			

2.3 Aspect



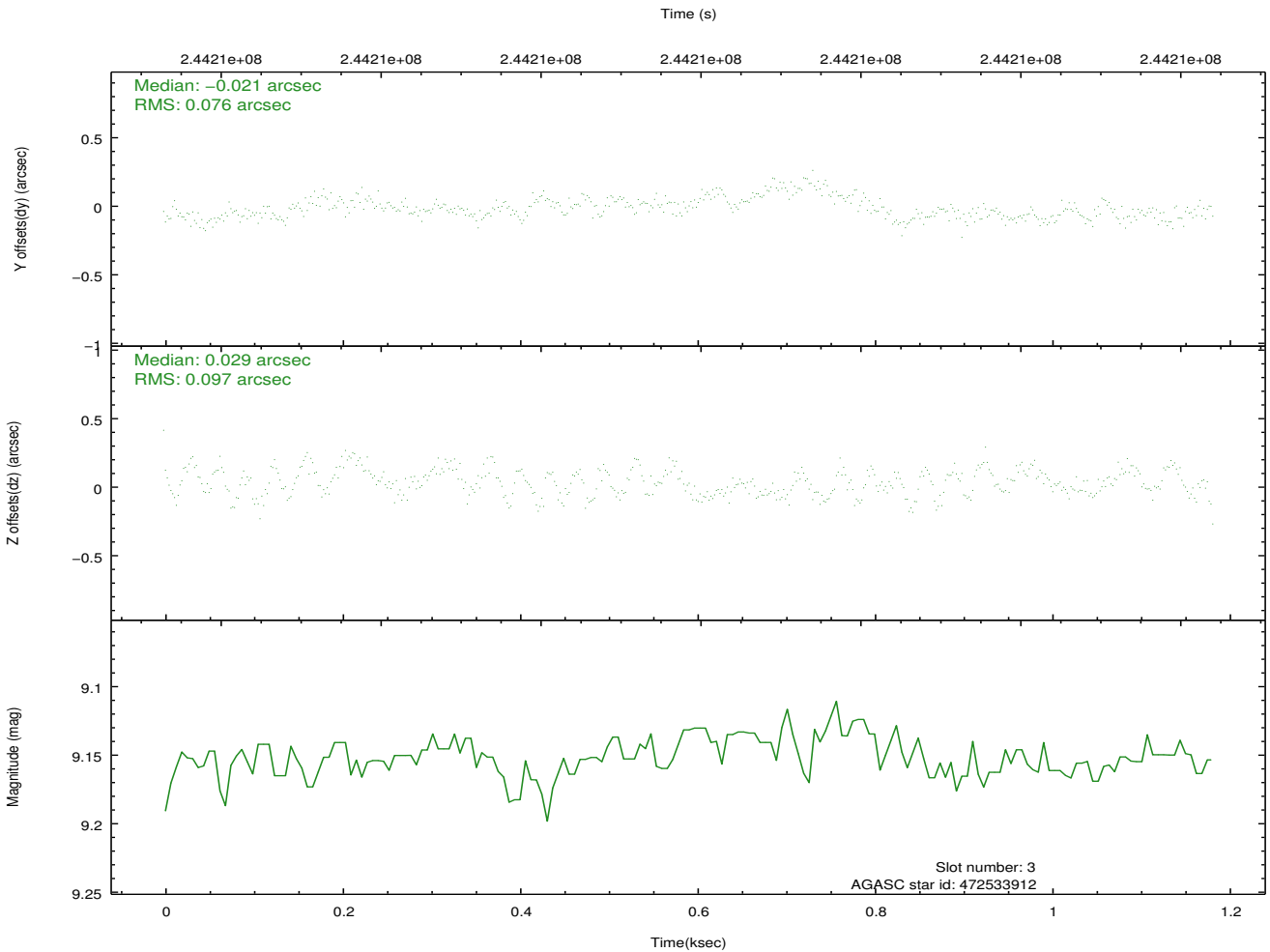
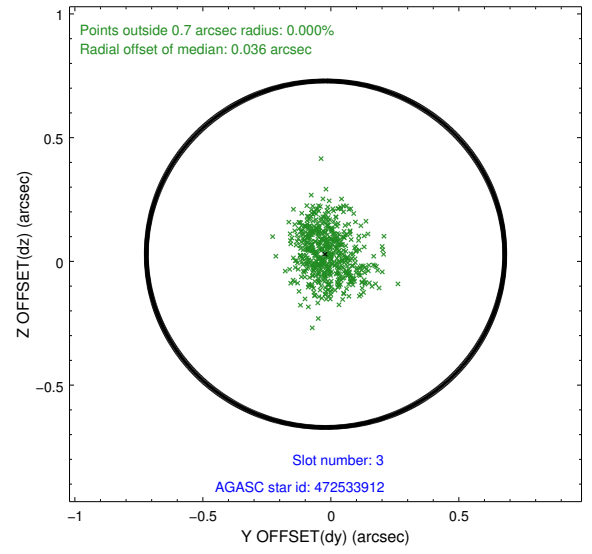
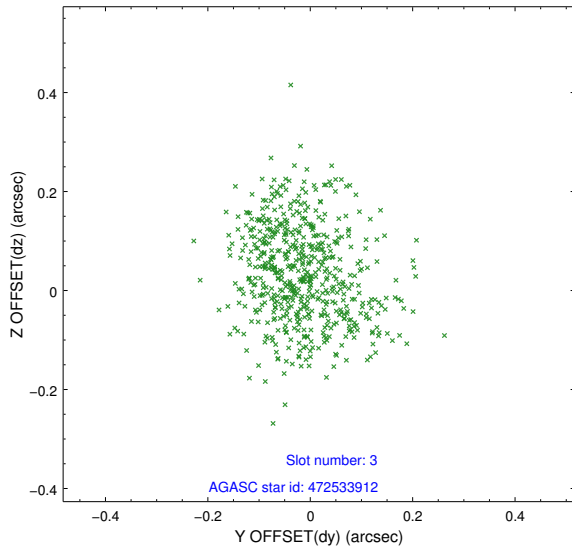


Slot Statistics

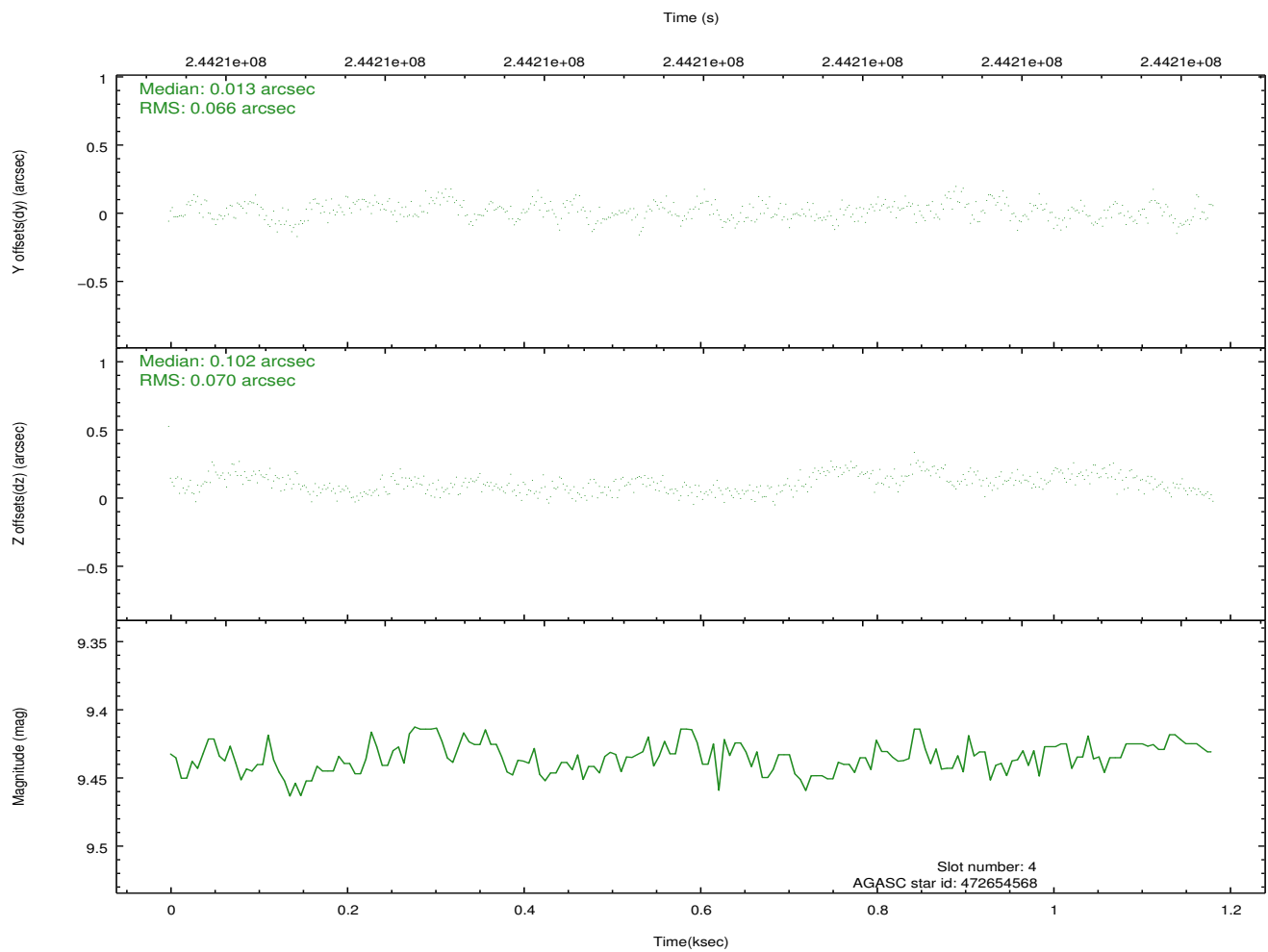
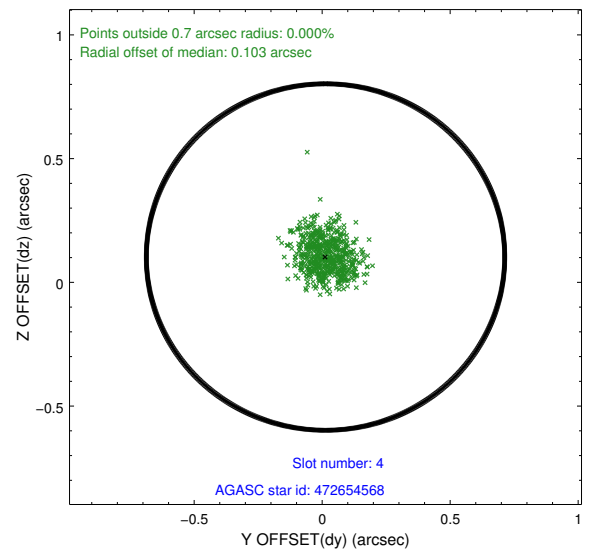
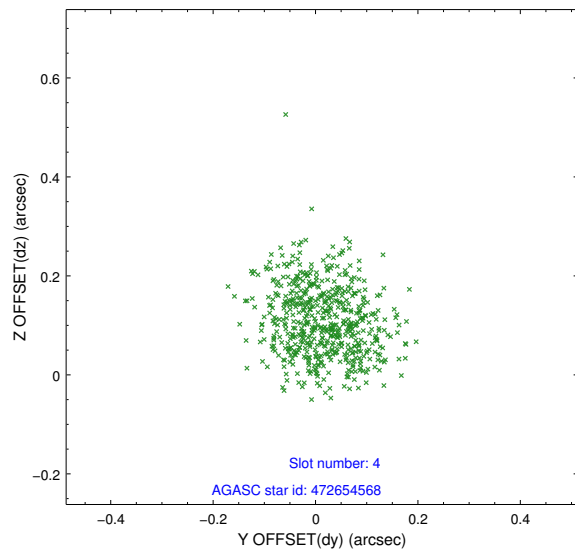
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	289	0.101	-0.085	0.007	0.011	0.000000	0.000000	848.37	-1298.06
1	FID	HRC-I-3	7.06	289	-0.079	0.037	0.005	0.009	0.000000	0.000000	-1189.99	1003.70
2	FID	HRC-I-4	7.01	289	0.097	-0.040	0.007	0.010	0.000000	0.000000	1274.41	1009.19
3	GUIDE	472533912	9.15	578	-0.021	0.029	0.134	0.208	331.791136	46.368695	-616.03	-2369.15
4	GUIDE	472654568	9.43	578	0.013	0.102	0.104	0.161	332.194449	45.063576	1771.74	1797.83
5	GUIDE	472655152	9.42	578	0.015	-0.131	0.124	0.193	332.504239	45.862991	-723.22	177.30
6	GUIDE	472665256	9.01	578	0.062	0.073	0.100	0.160	332.808125	46.195041	-2088.43	-217.39
7	GUIDE	472649352	9.78	570	-0.066	-0.074	0.139	0.248	332.034169	45.325407	1442.52	828.23

2.4 Star Slots

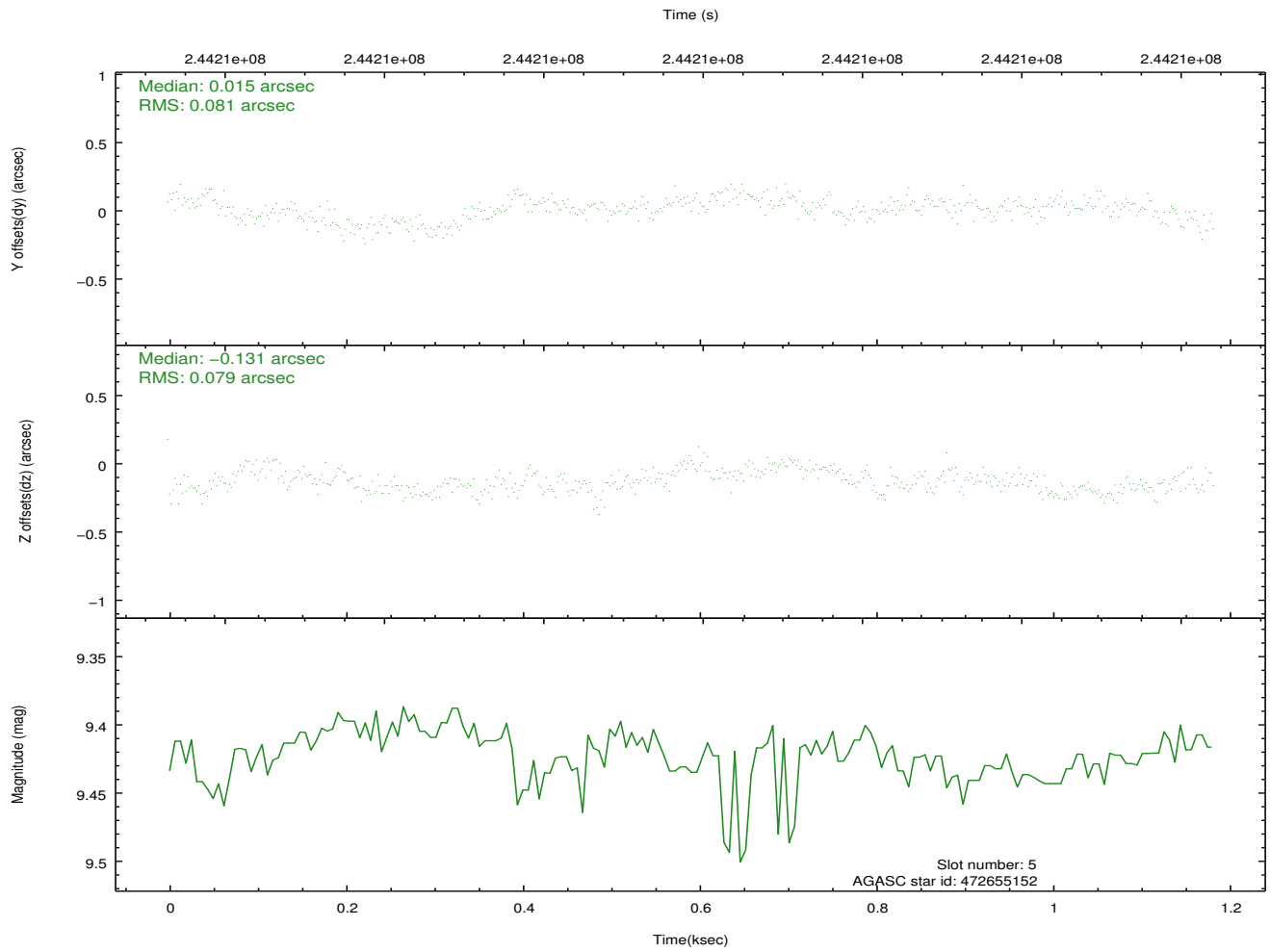
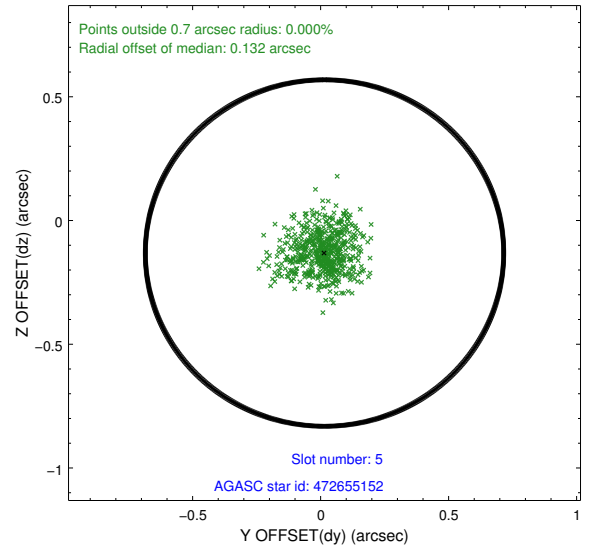
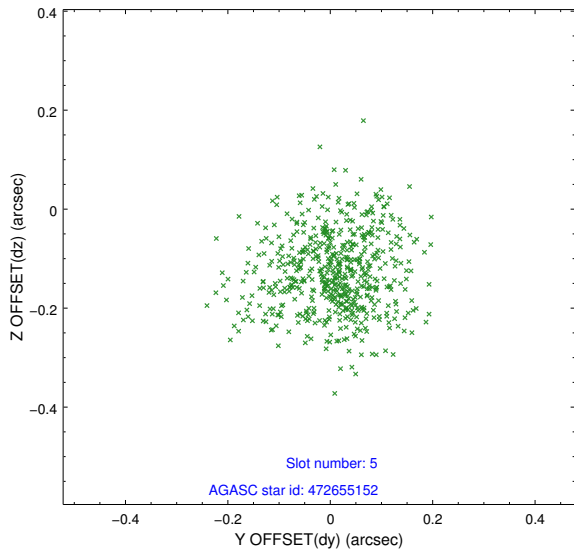
2.4.1 Slot 3



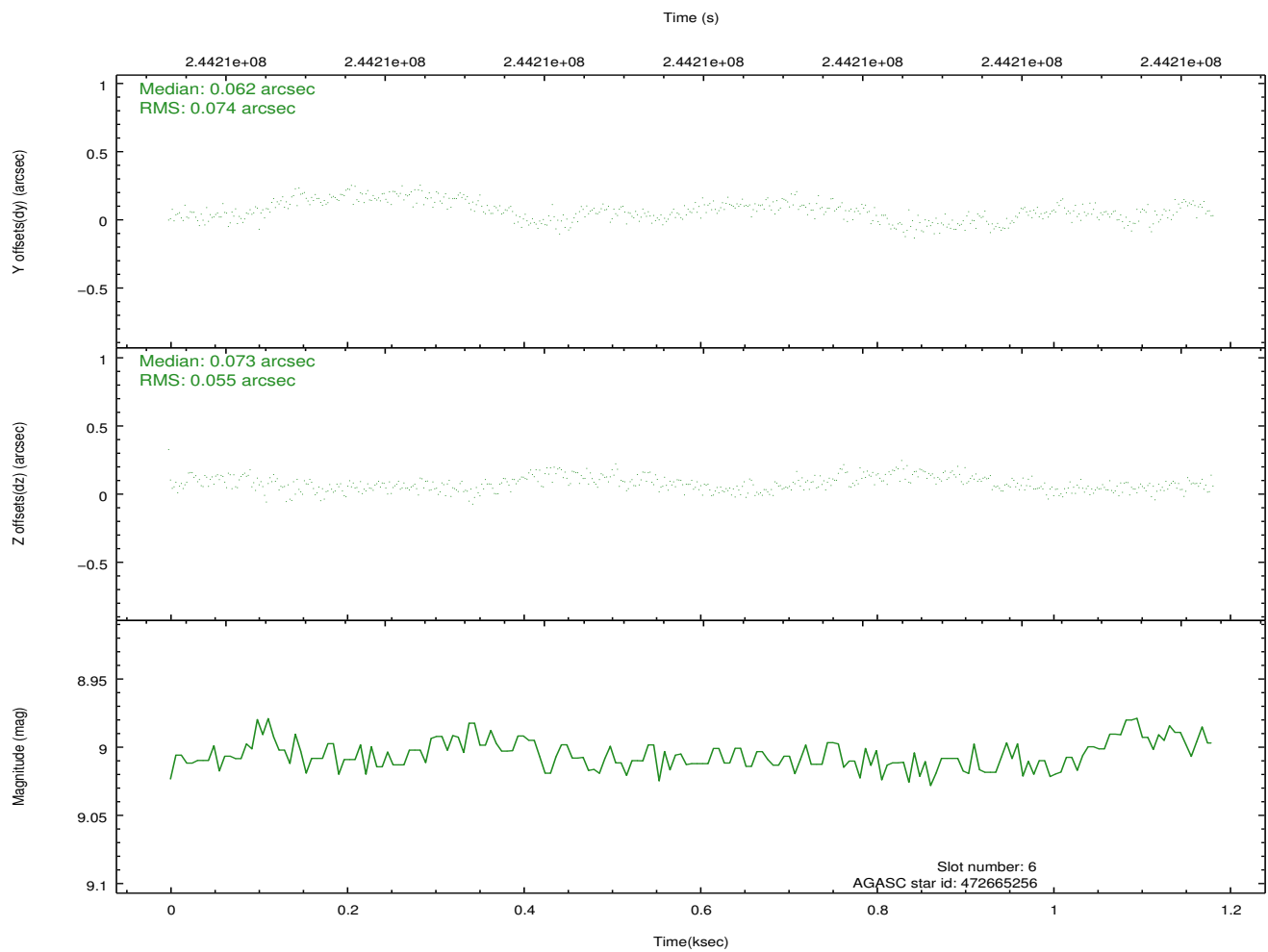
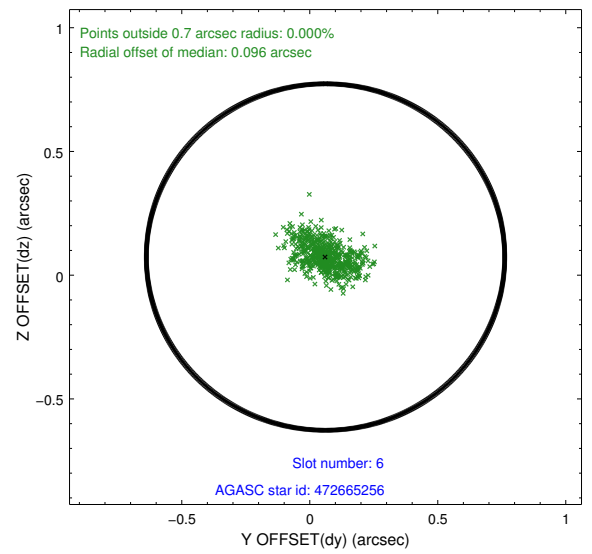
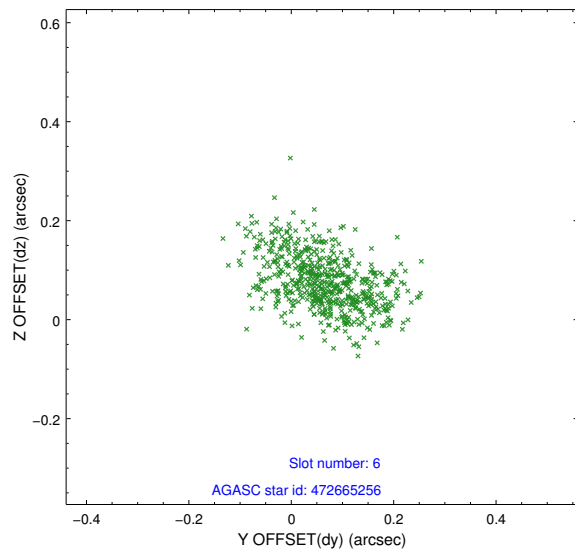
2.4.2 Slot 4



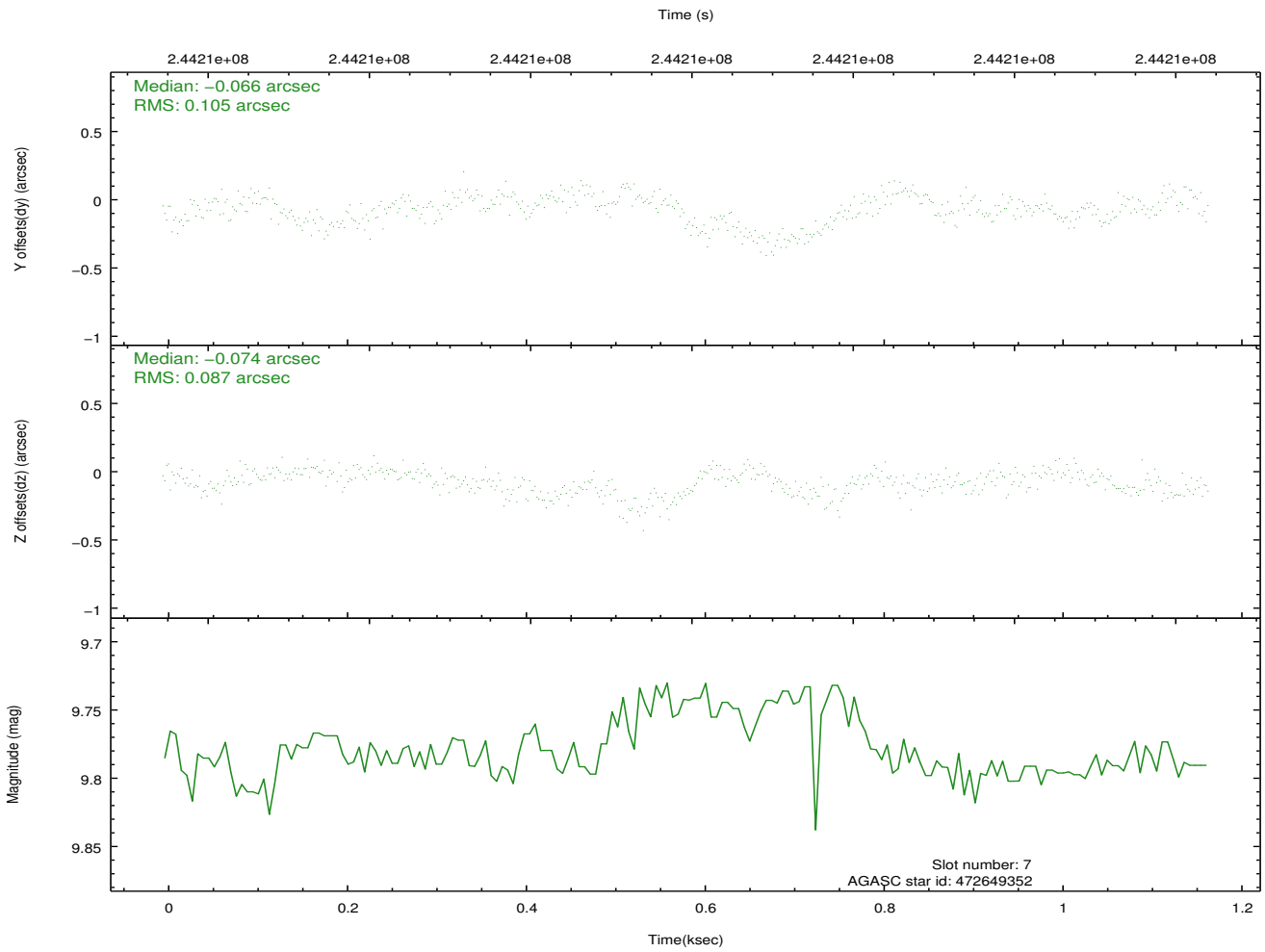
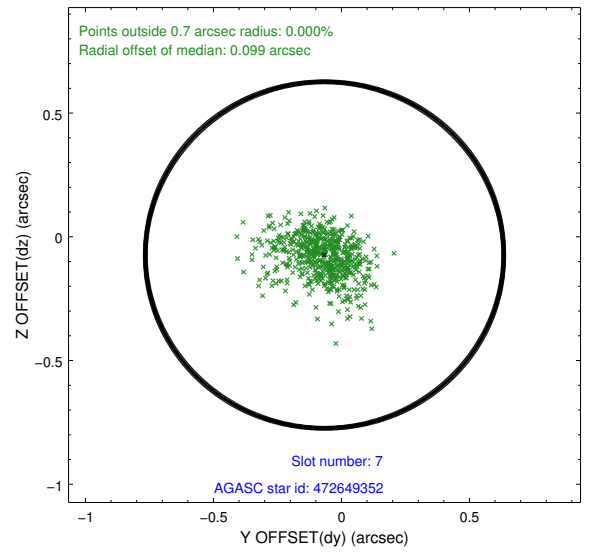
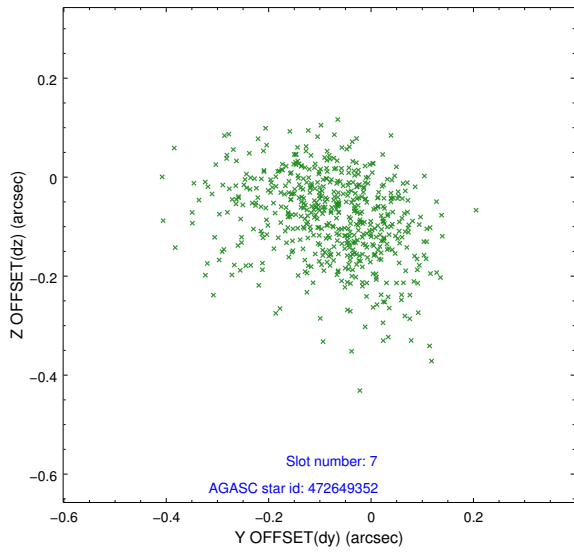
2.4.3 Slot 5



2.4.4 Slot 6

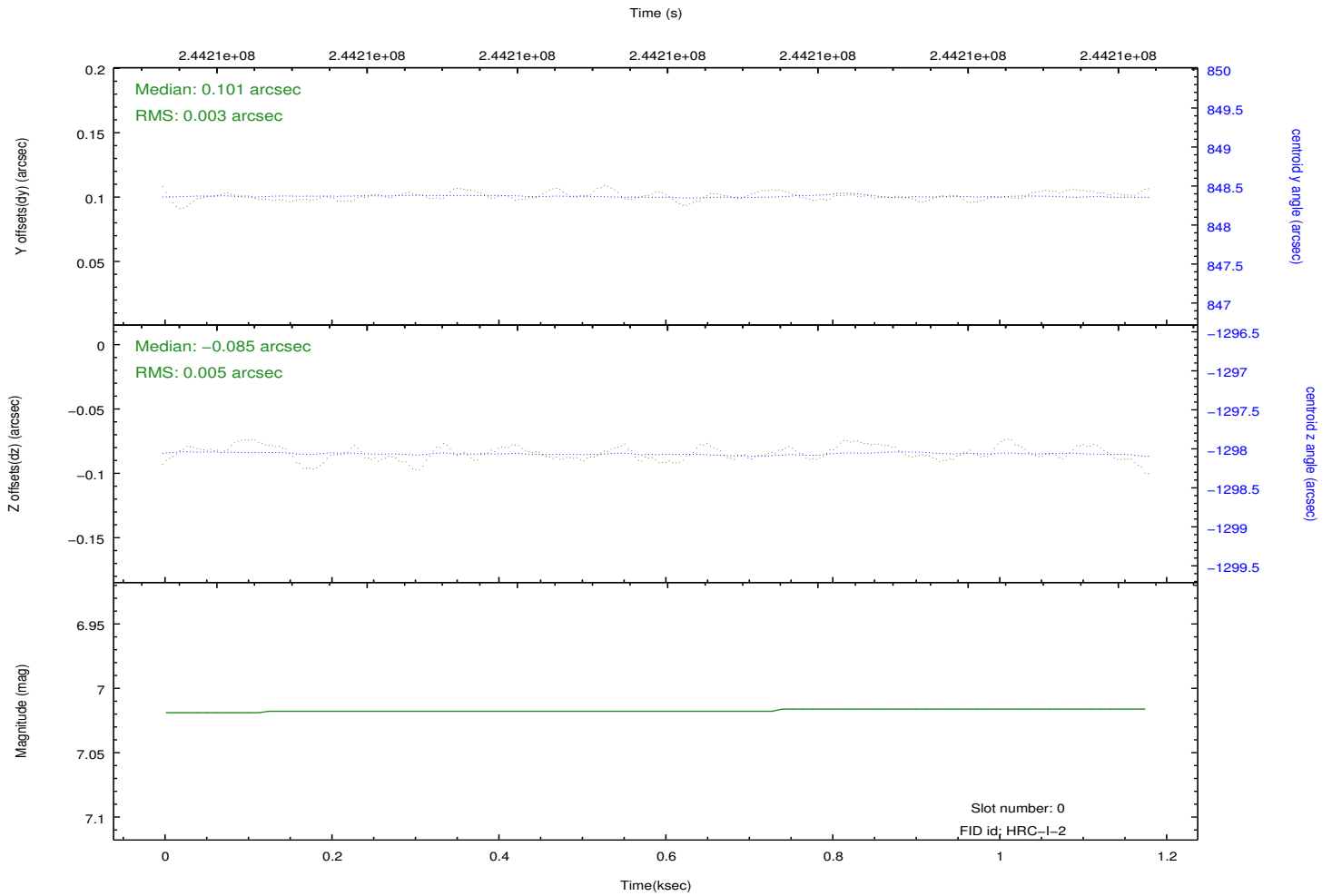
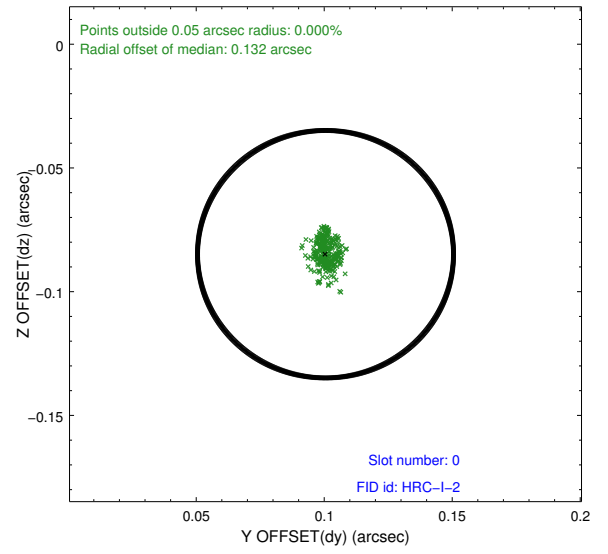
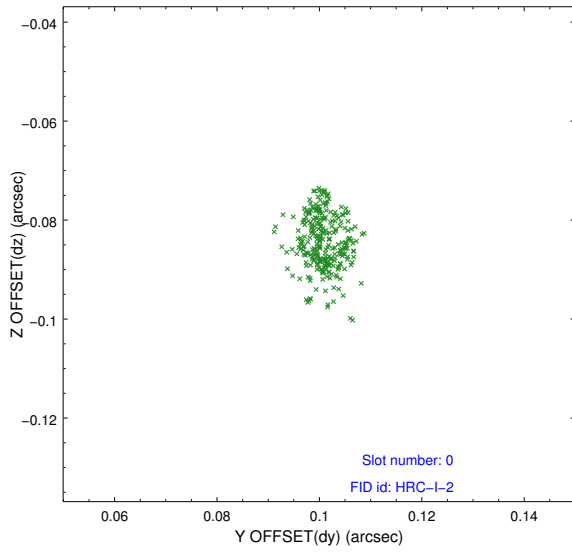


2.4.5 Slot 7

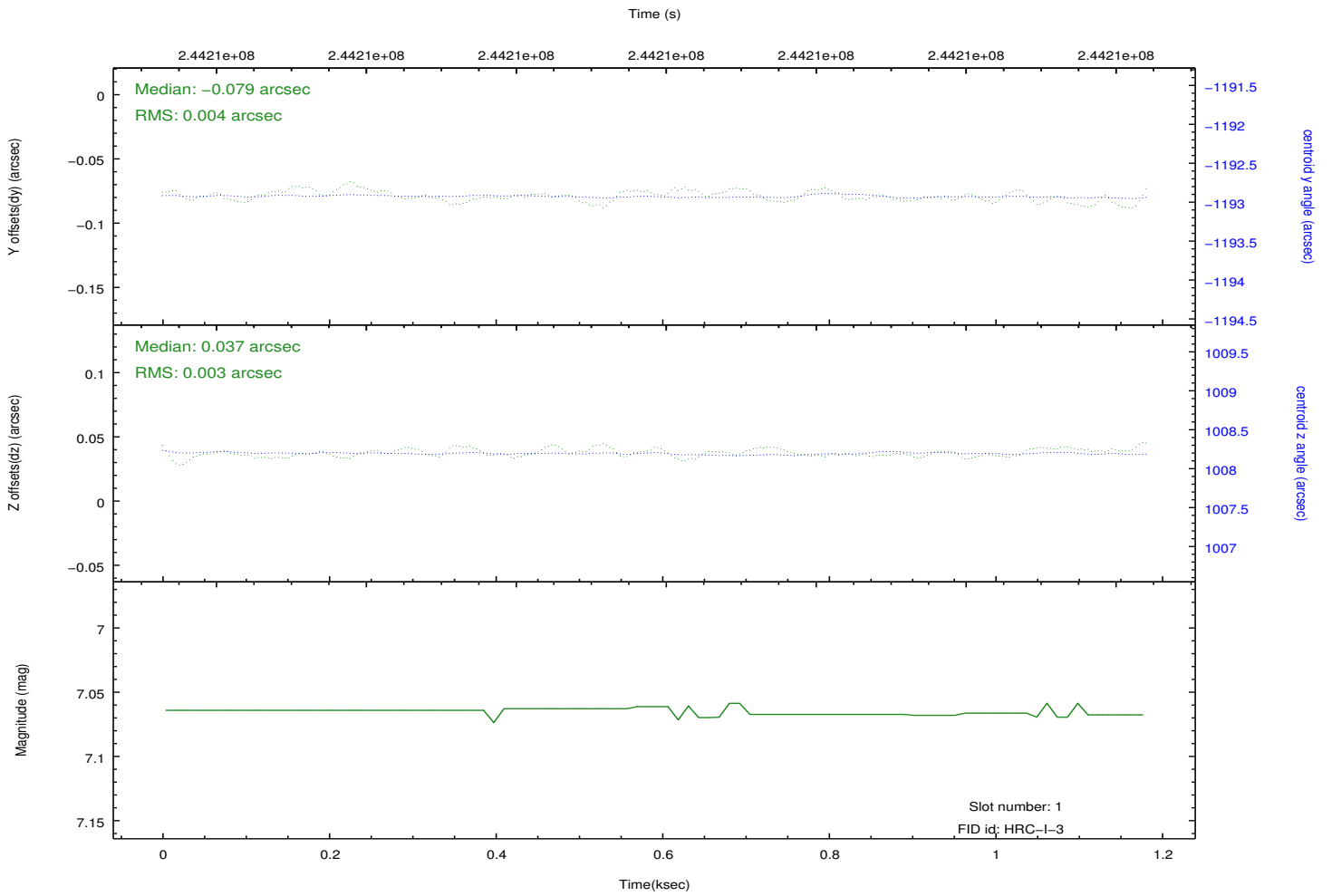
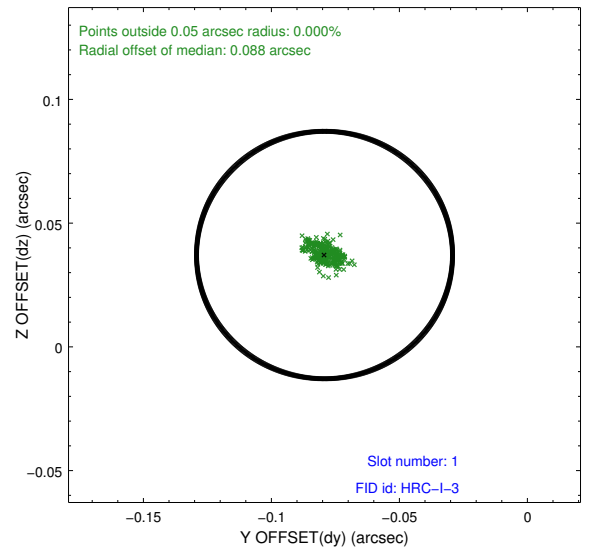
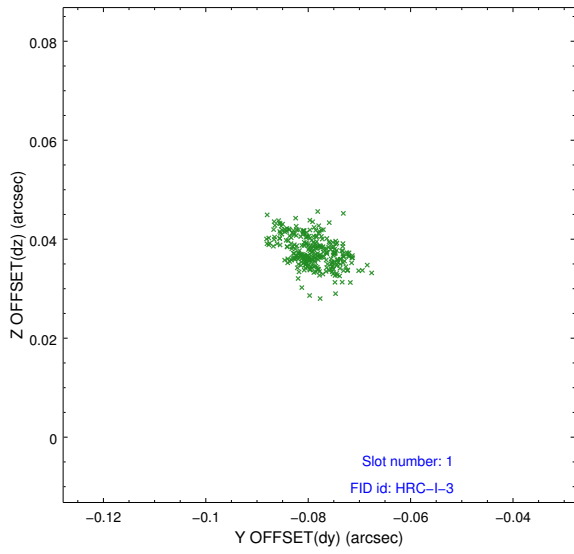


2.5 FID Slots

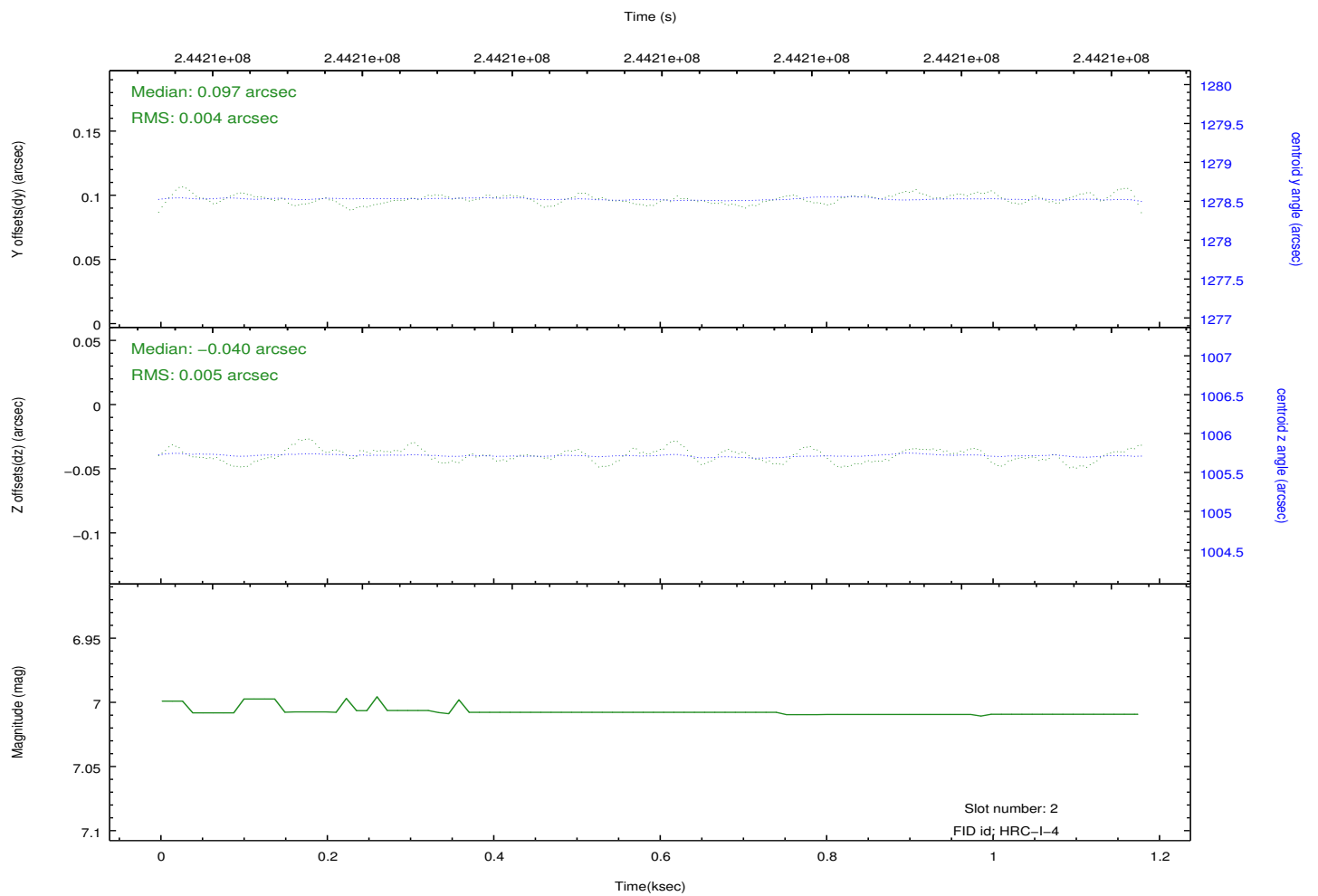
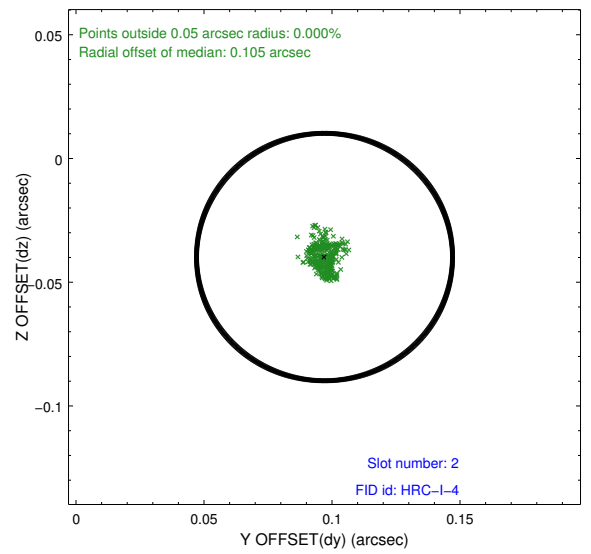
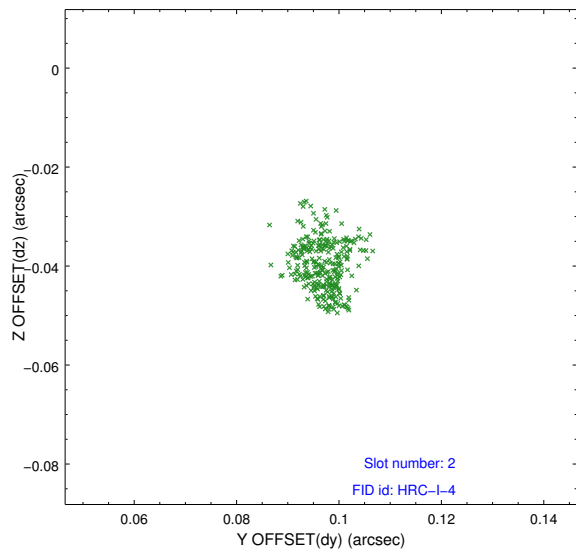
2.5.1 Slot 0



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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182081

A.2 Comments