

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8342 - L2 Version 5
Chandra X-Ray Center

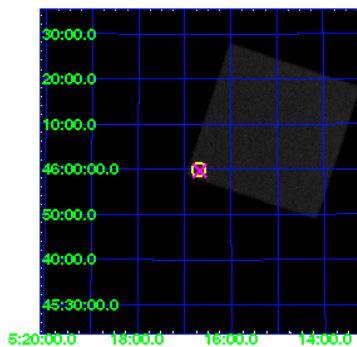
L2 Processing Date : Aug 11 2012

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

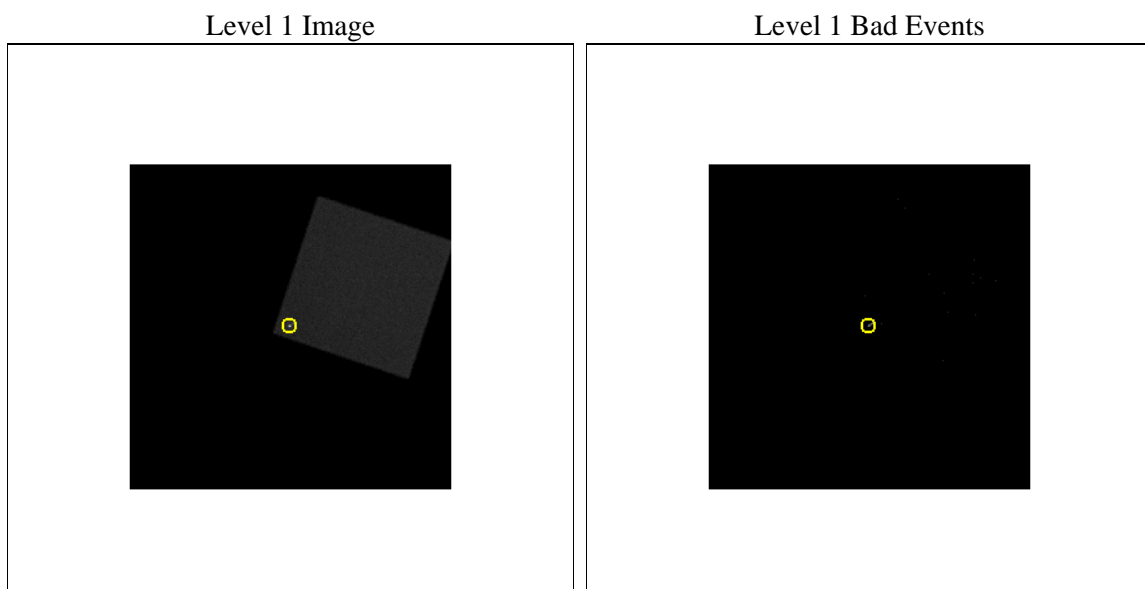
seq_num	290721	Sequence number
obs_id	8342	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168010862968	Nominal RA [deg]
dec_nom	45.995083712372	Nominal Dec [deg]
roll_nom	243.32271218349	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5292.3315008879	[s]
liveltime	5236.6663006977	Ontime multiplied by DTCOR
l2events	377259	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	5105.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5292.3315008879	[s]
caldbver	4.5.1.1	 	l1events	541265	Number of level 1 events
date	2012-08-11T15:55:12	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

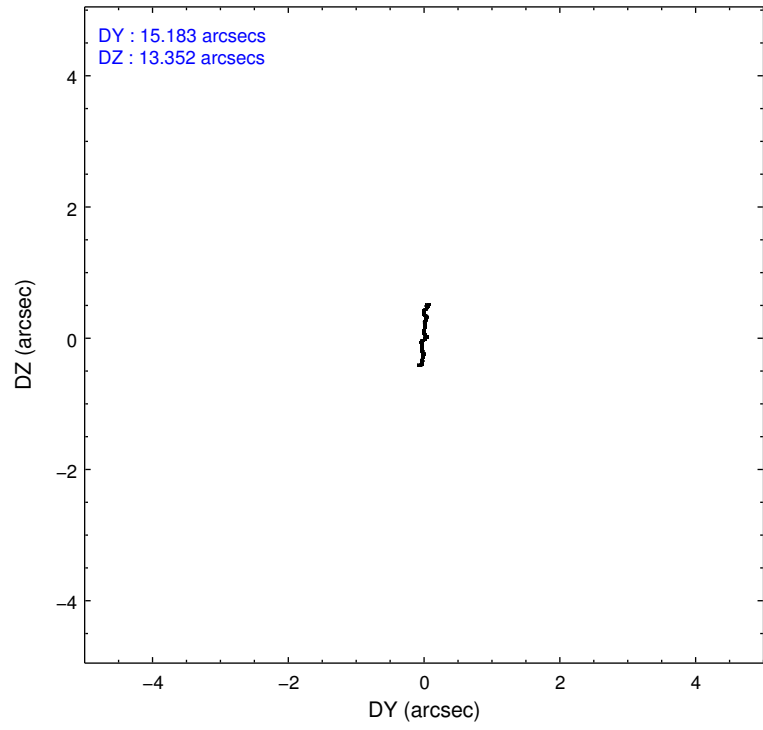
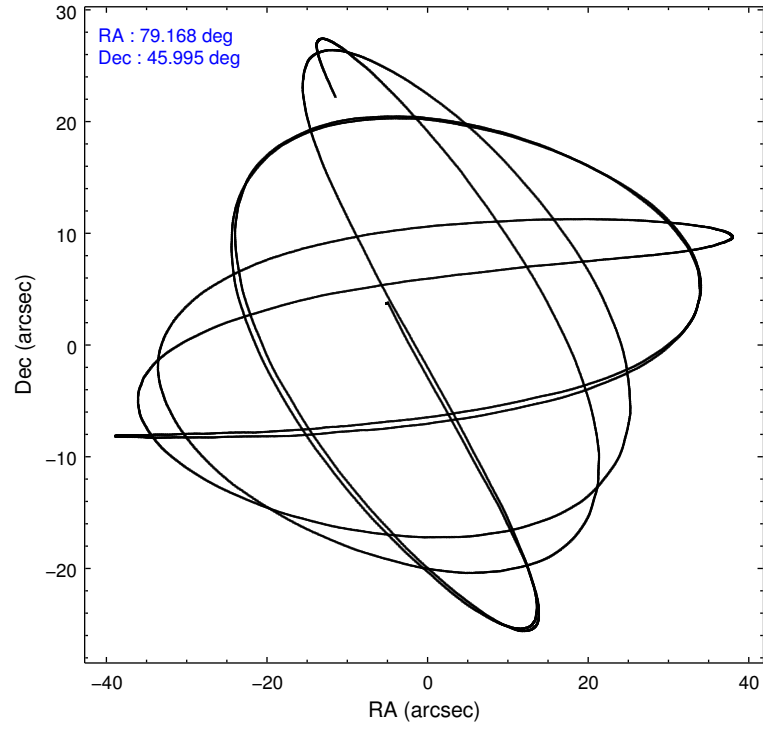
Level 1 Events

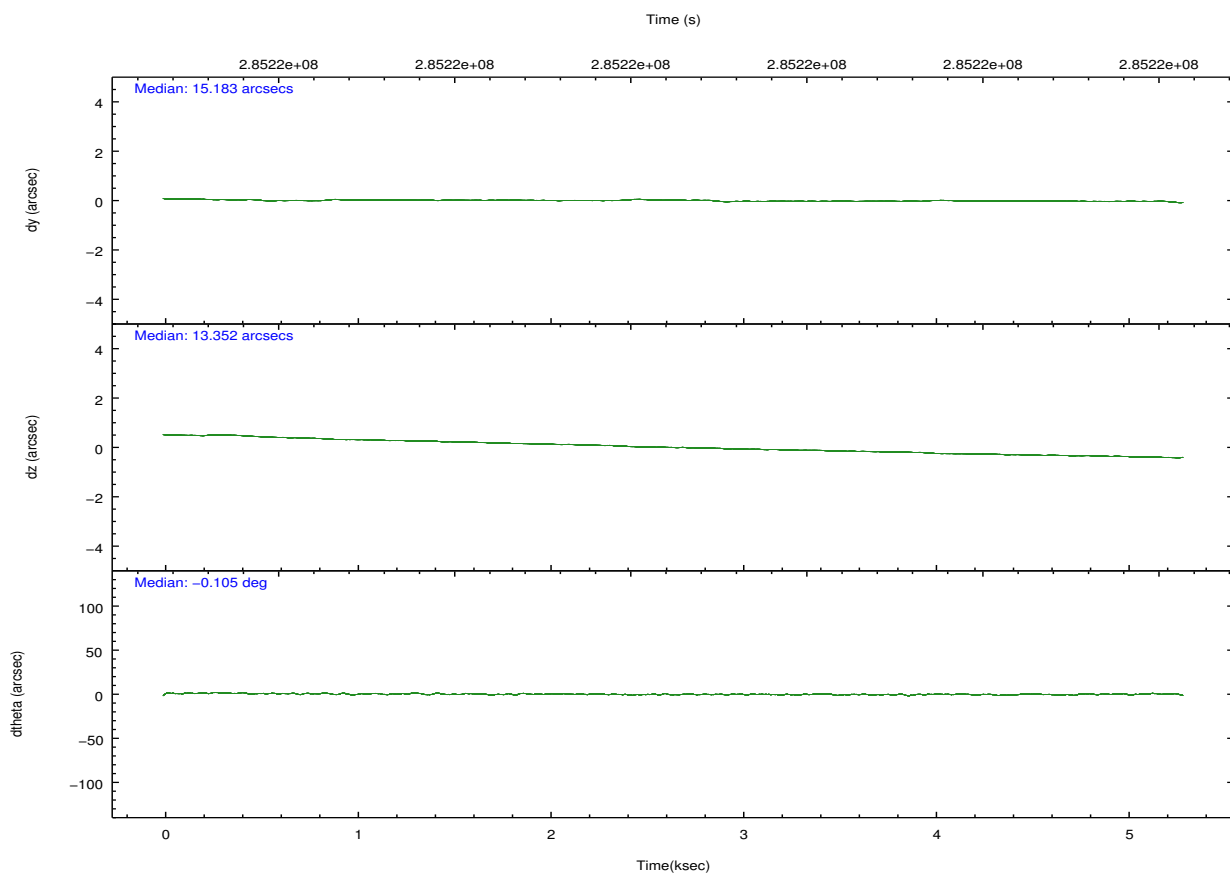
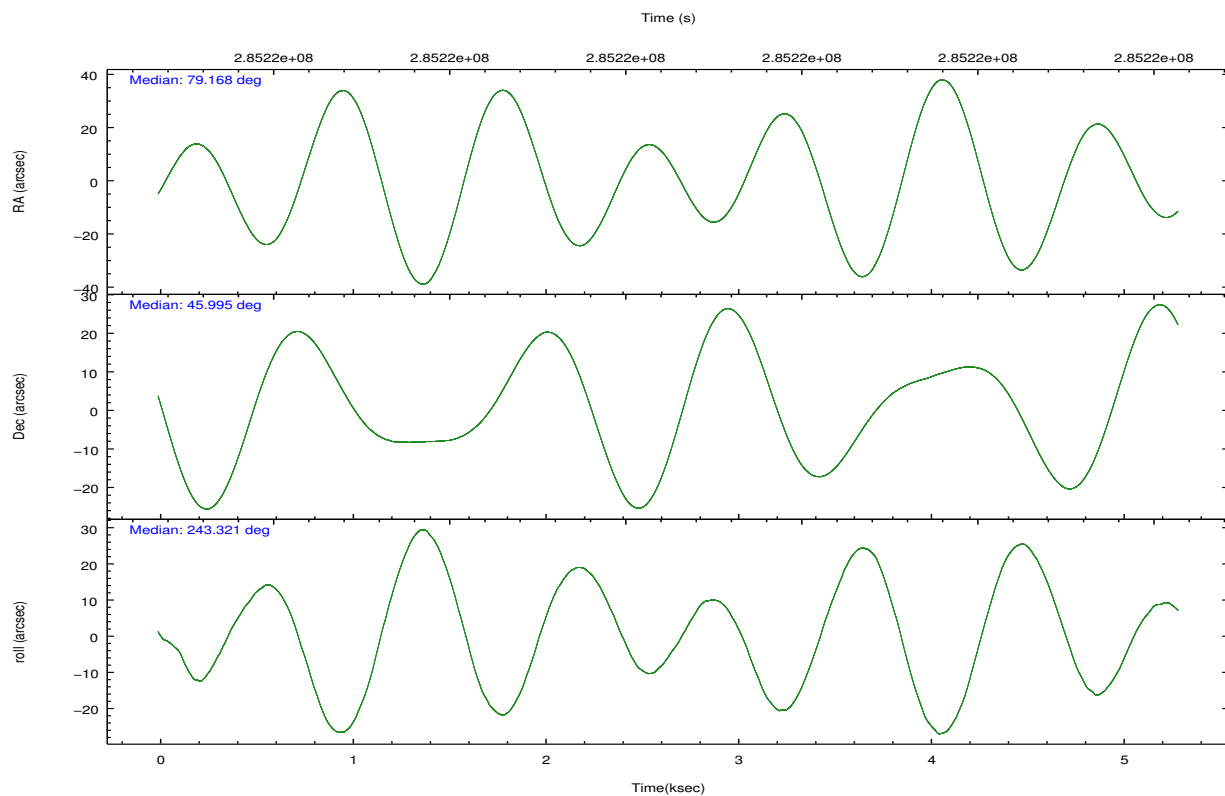
	segment 0
level 1 events	541265
rejected events	30774
rejected %	5%

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	79.164778	79.16801086296785			
[deg] Pointing Dec	46.022301	45.99508371237204			
[deg] Pointing Roll	243.420520	243.3227121834854			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	180.985494	180.9929869827966			
[mm] SIM translation stage offset	-54	-54.00749809119503			
[s] Observation start time (MET)	285217774.184000	285217398.15042			
Observation start date	2007-01-15T03:08:29	2007-01-15T03:03:18			
[s] Observation end time (MET)	285222879.184000	285223013.10068			
Observation end date	2007-01-15T04:33:34	2007-01-15T04:36:53			

2.3 Aspect



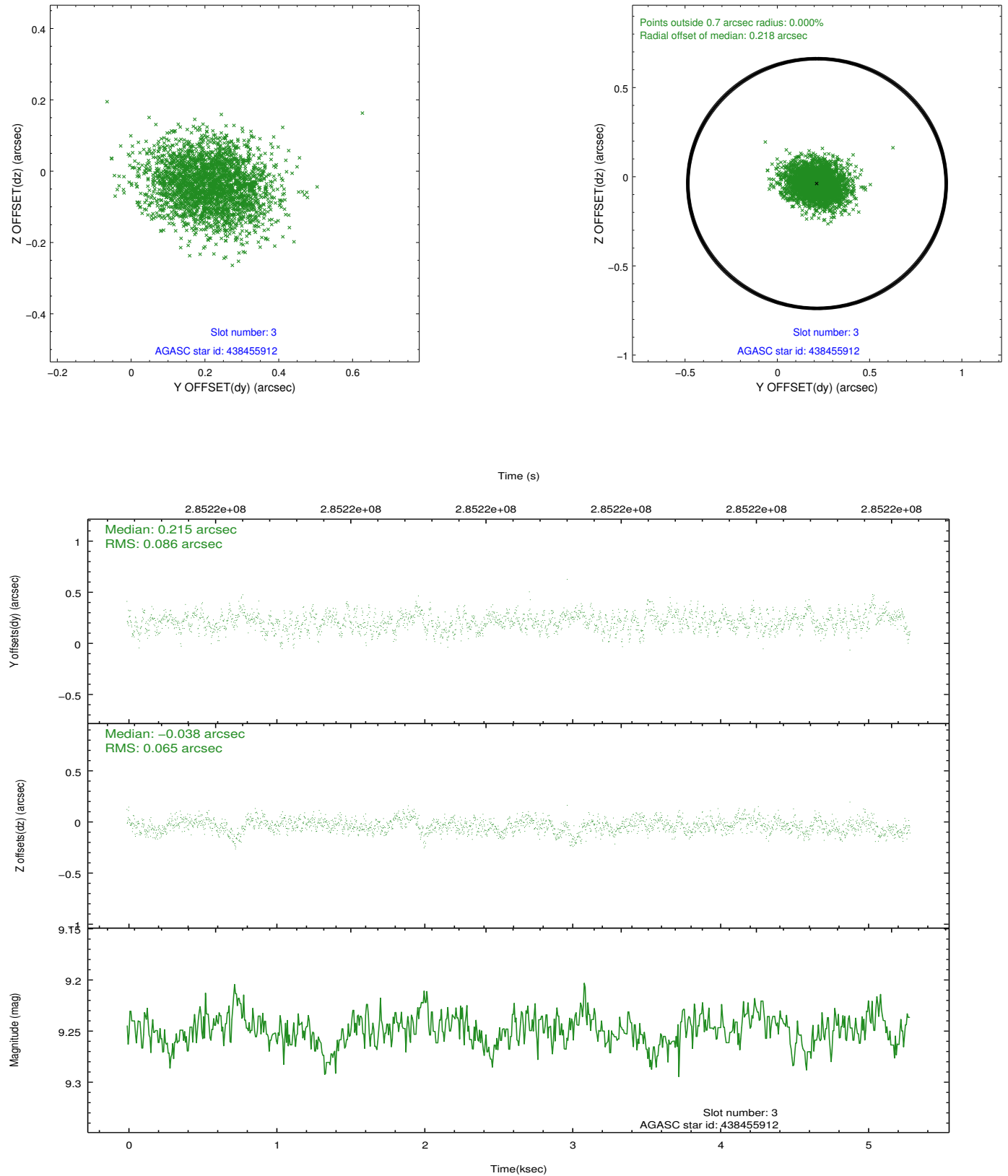


Slot Statistics

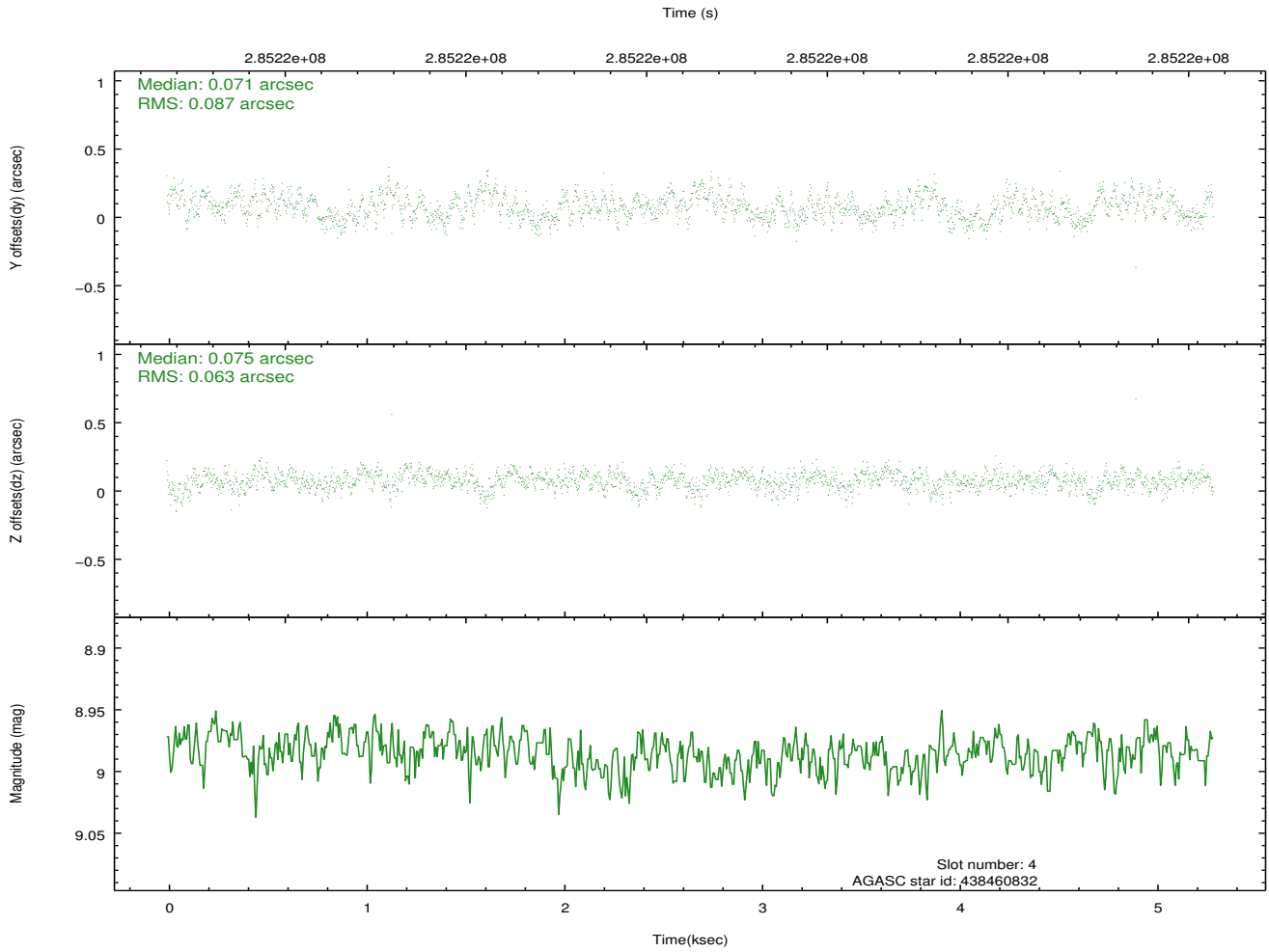
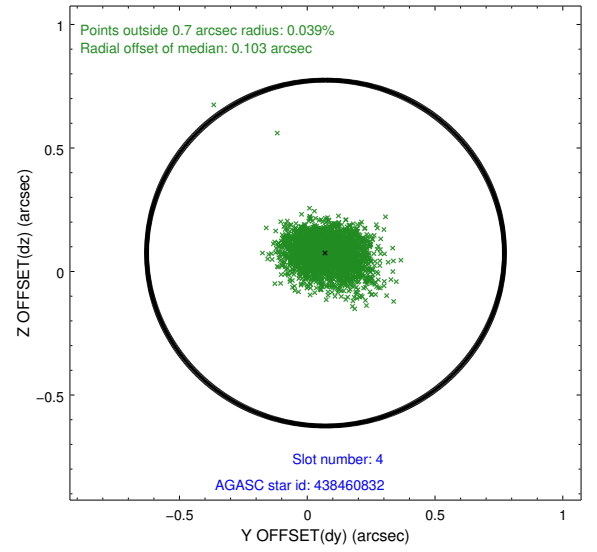
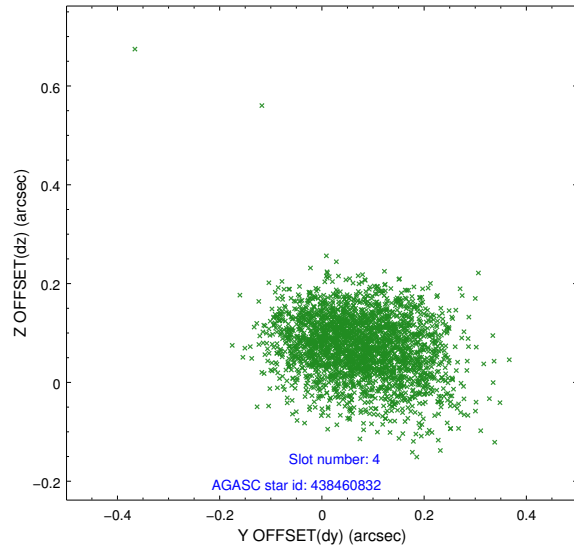
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.90	1292	-1.853	-2.542	0.009	0.014	0.000000	0.000000	-767.94	-2414.89
1	FID	HRC-I-3	7.15	1292	2.211	0.277	0.010	0.016	0.000000	0.000000	-1196.50	-111.35
2	FID	HRC-I-4	6.97	1291	-0.247	2.164	0.008	0.014	0.000000	0.000000	1271.98	-105.18
3	GUIDE	438455912	9.25	2579	0.215	-0.038	0.114	0.187	78.251946	45.690923	2082.77	-1525.08
4	GUIDE	438460832	8.99	2583	0.071	0.075	0.115	0.181	78.414614	45.554782	2344.72	-942.50
5	GUIDE	440140240	9.99	2579	-0.212	0.099	0.130	0.220	78.889349	46.726437	-1962.92	-1743.09
6	GUIDE	440163960	8.88	2582	-0.059	-0.032	0.086	0.146	79.298370	45.827072	477.64	613.33
7	GUIDE	440163560	9.55	2575	-0.013	-0.090	0.128	0.226	79.359509	46.135242	-581.04	252.29

2.4 Star Slots

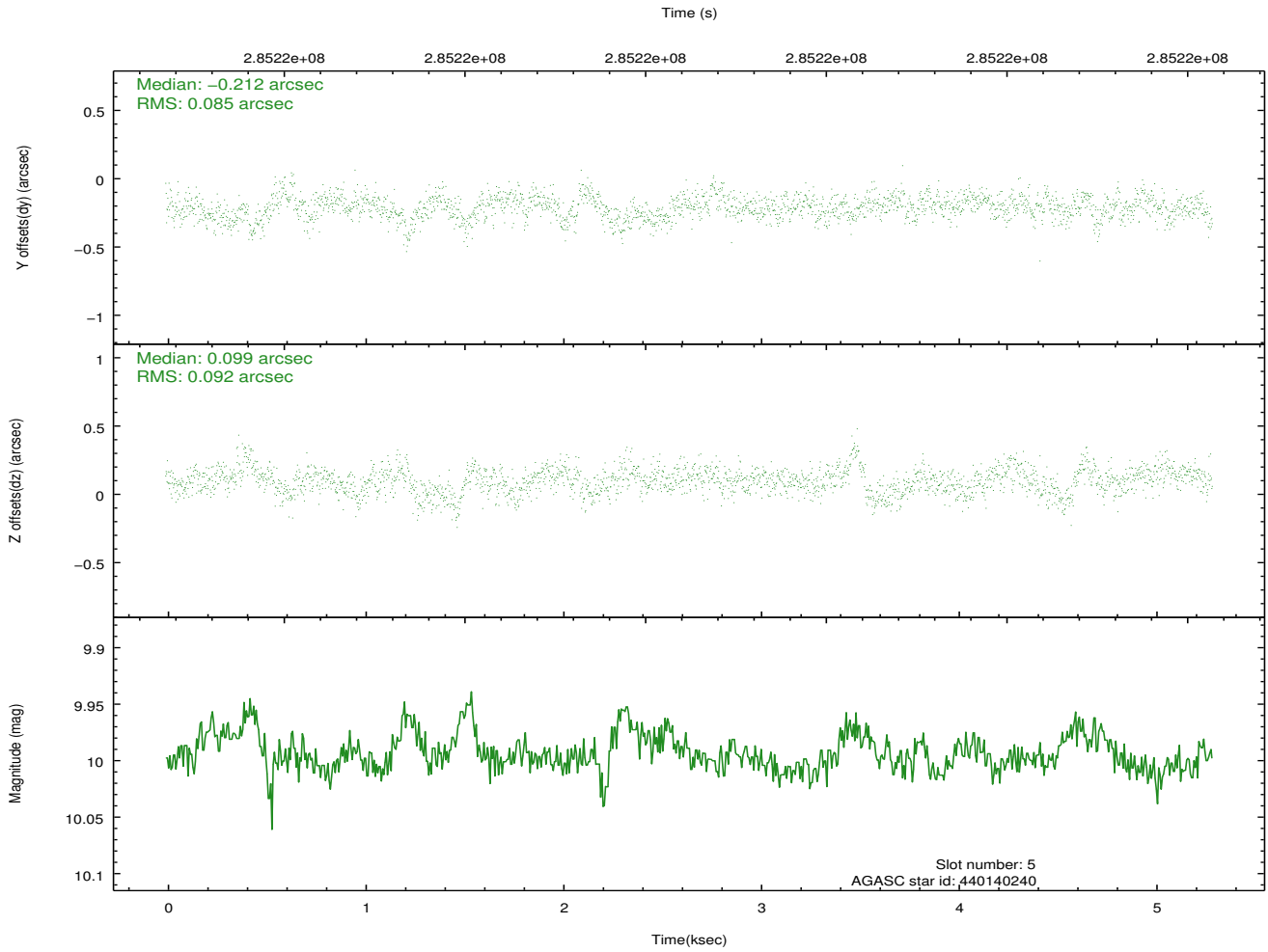
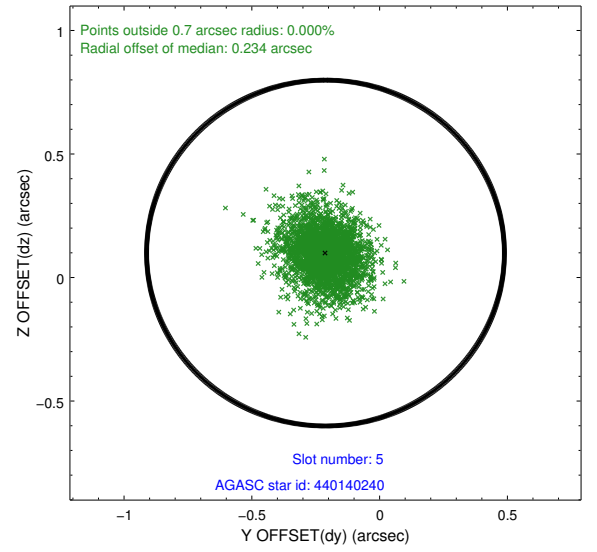
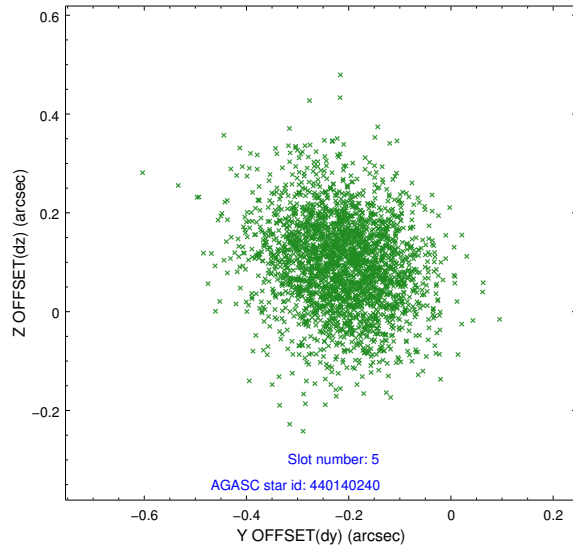
2.4.1 Slot 3



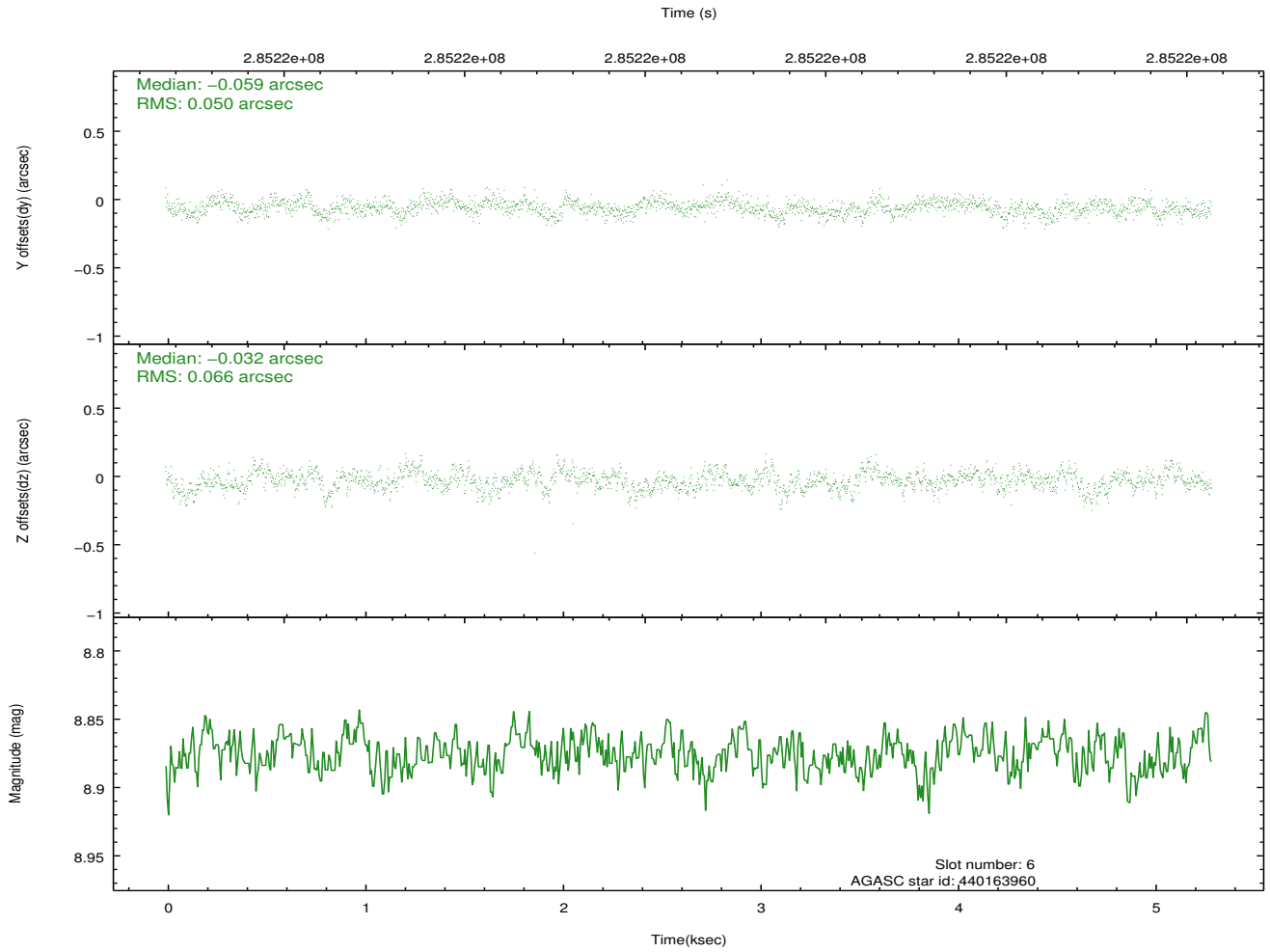
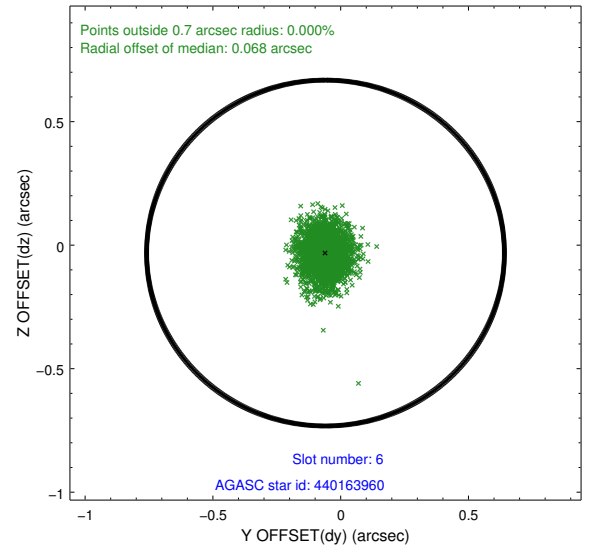
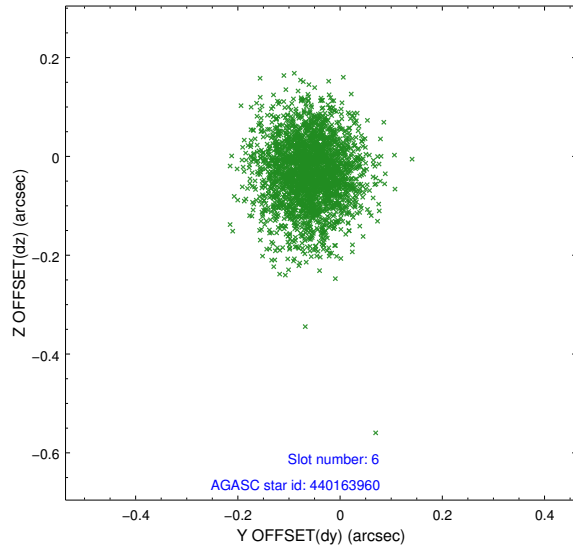
2.4.2 Slot 4



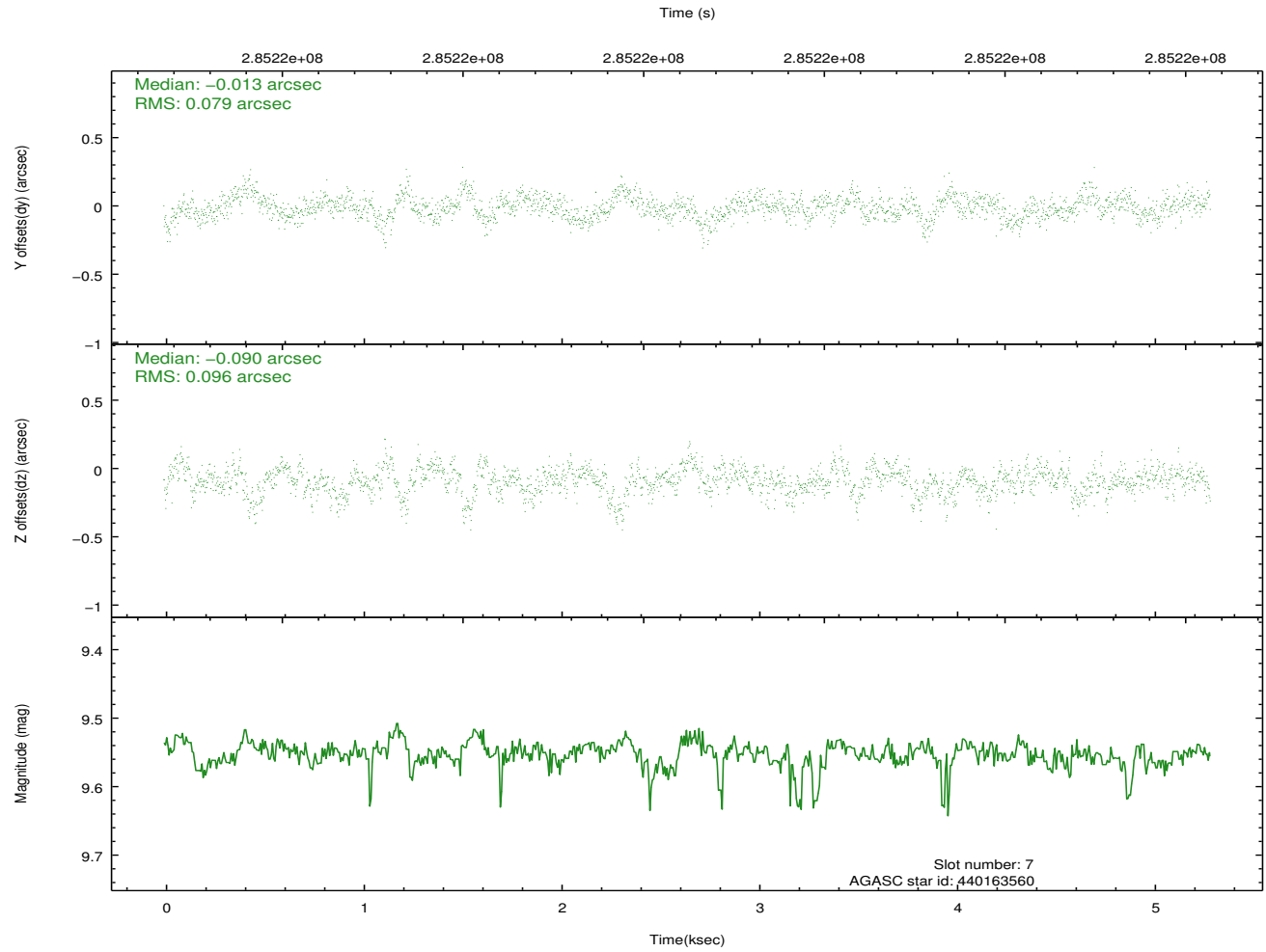
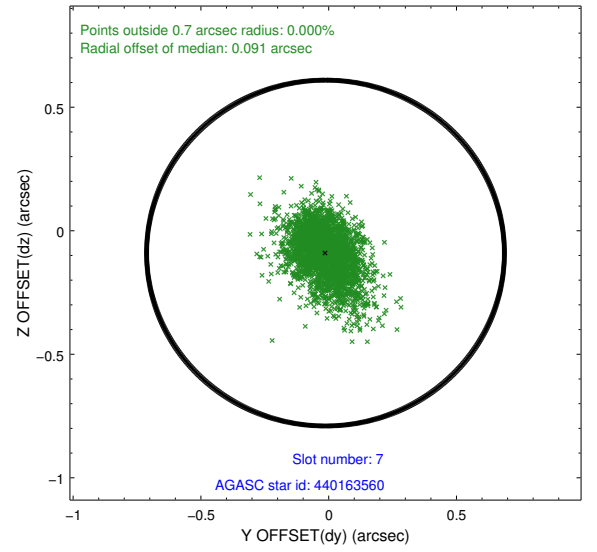
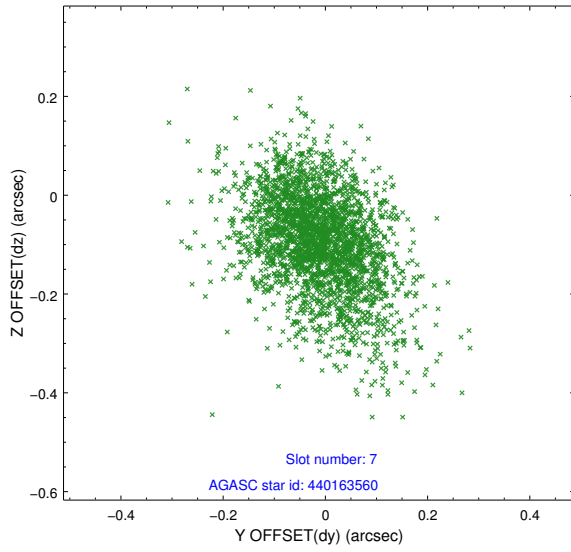
2.4.3 Slot 5



2.4.4 Slot 6

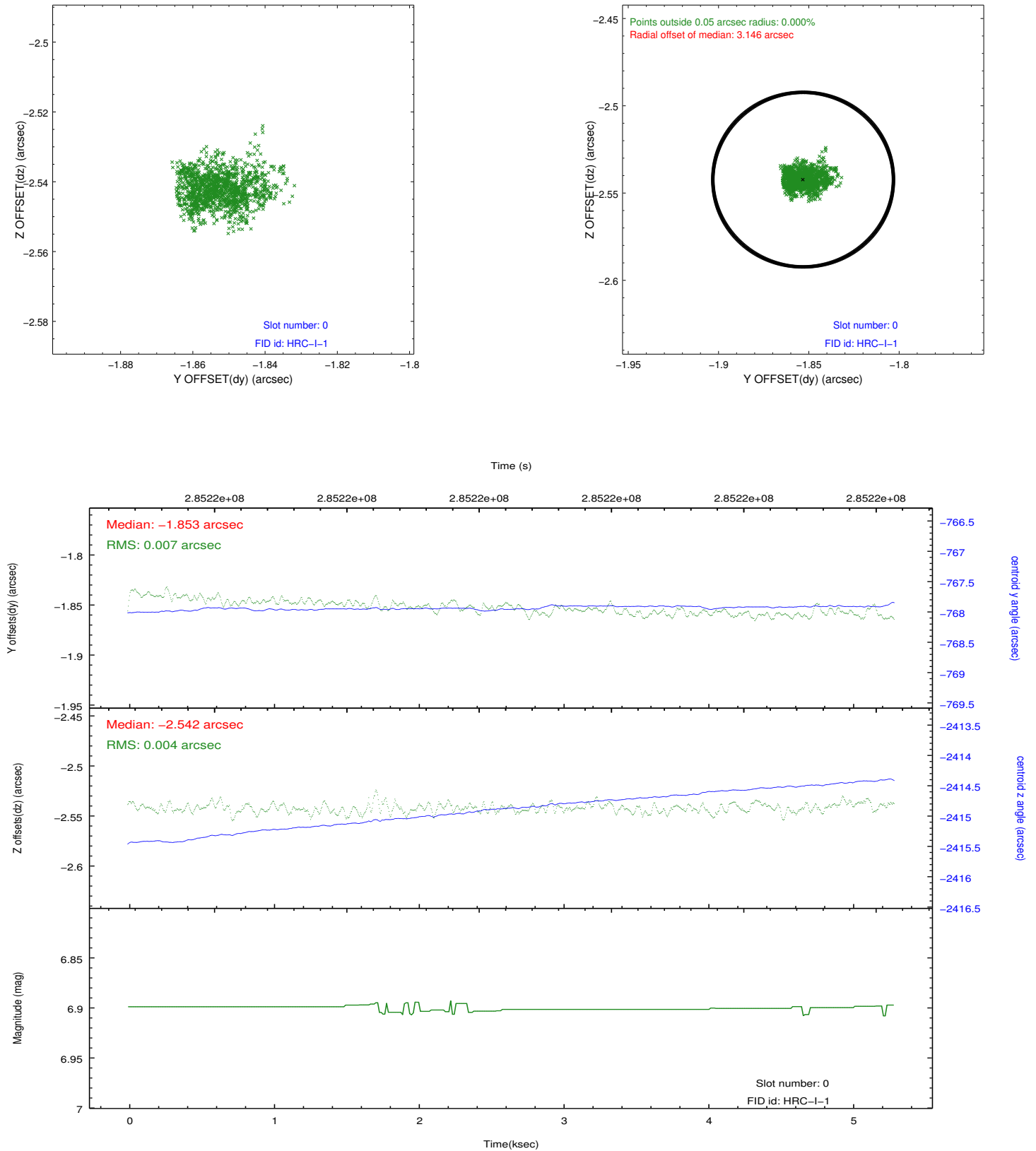


2.4.5 Slot 7

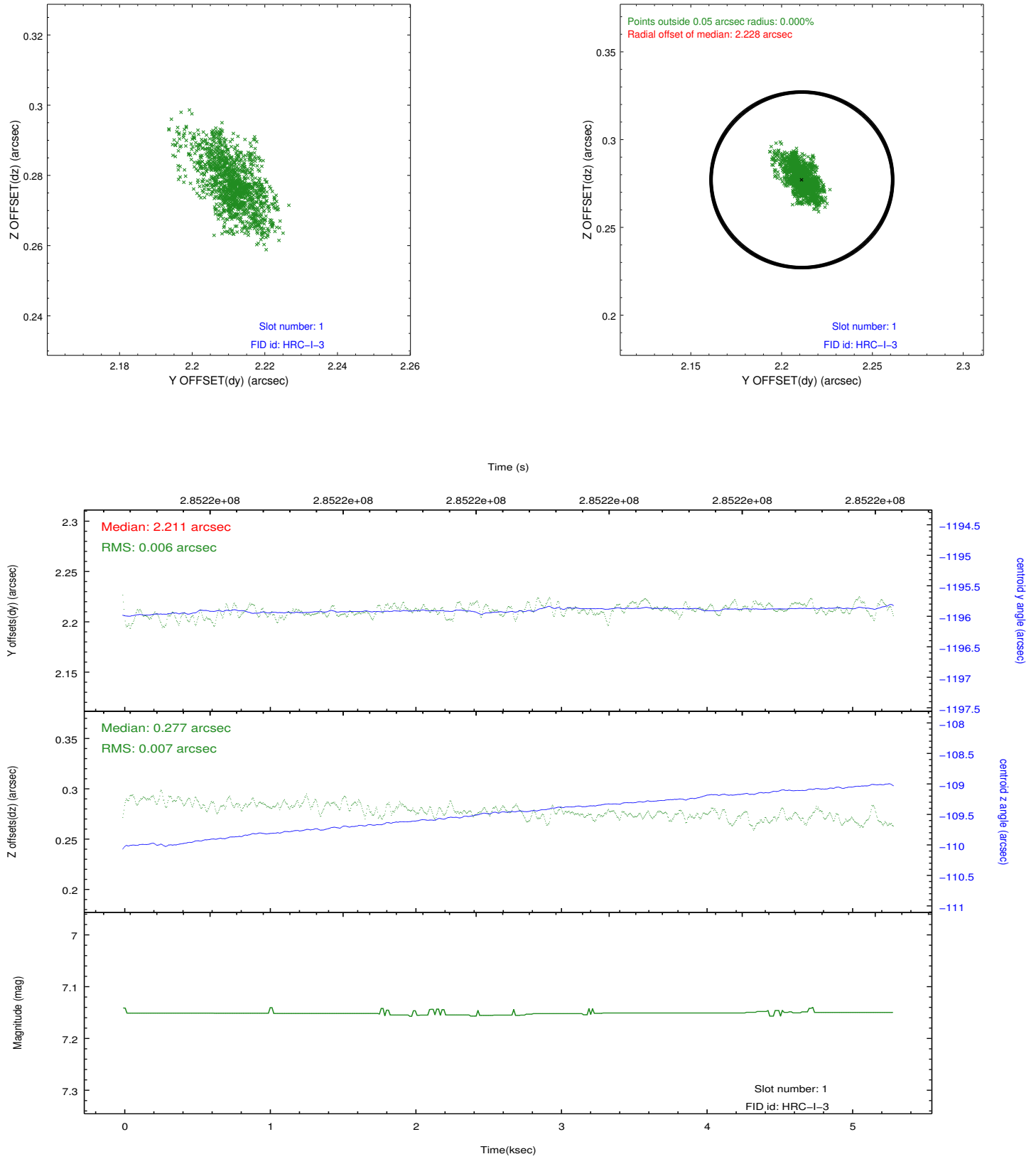


2.5 FID Slots

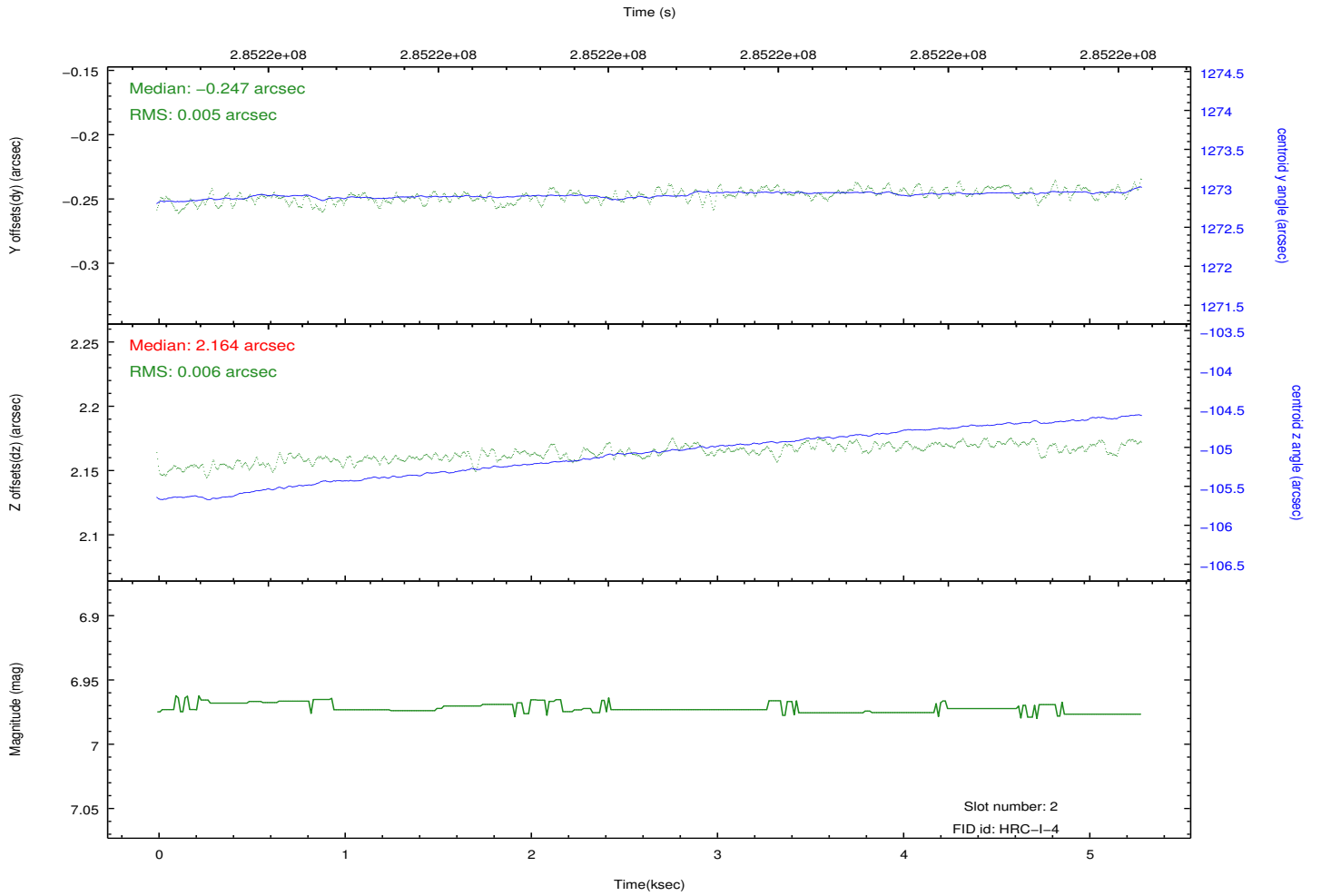
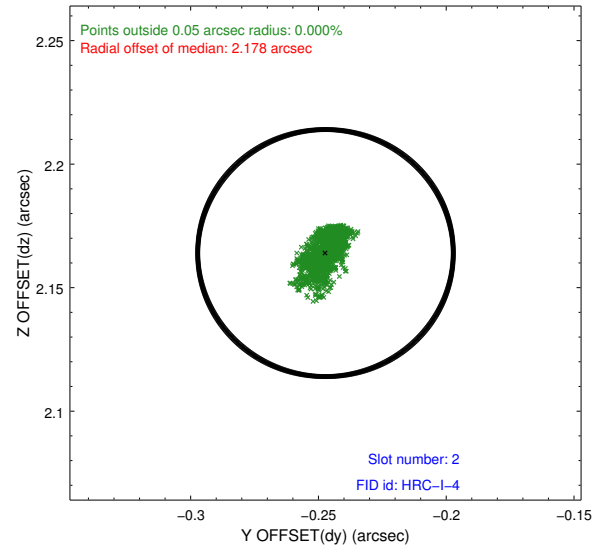
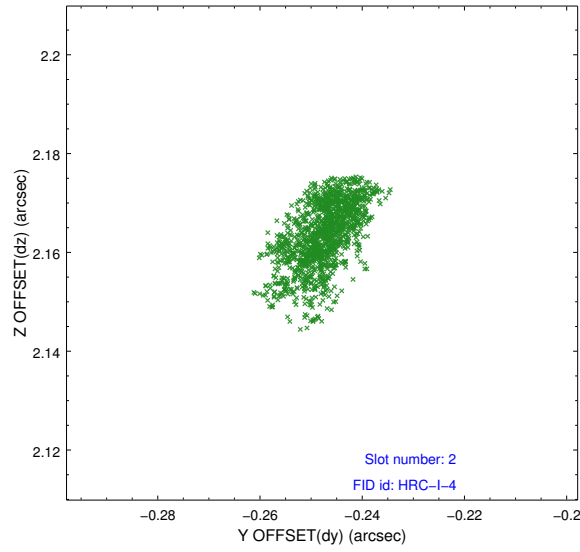
2.5.1 Slot 0



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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.29207525

A.2 Comments

Large offsets in all three fidlights are due to the position of the target and aimpoint near the corner of the chip, and are expected in this instance.