

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8345 - L2 Version 5
Chandra X-Ray Center

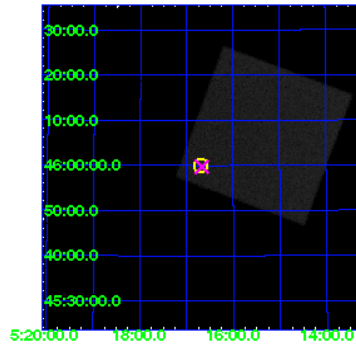
L2 Processing Date : Aug 11 2012

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1 Front

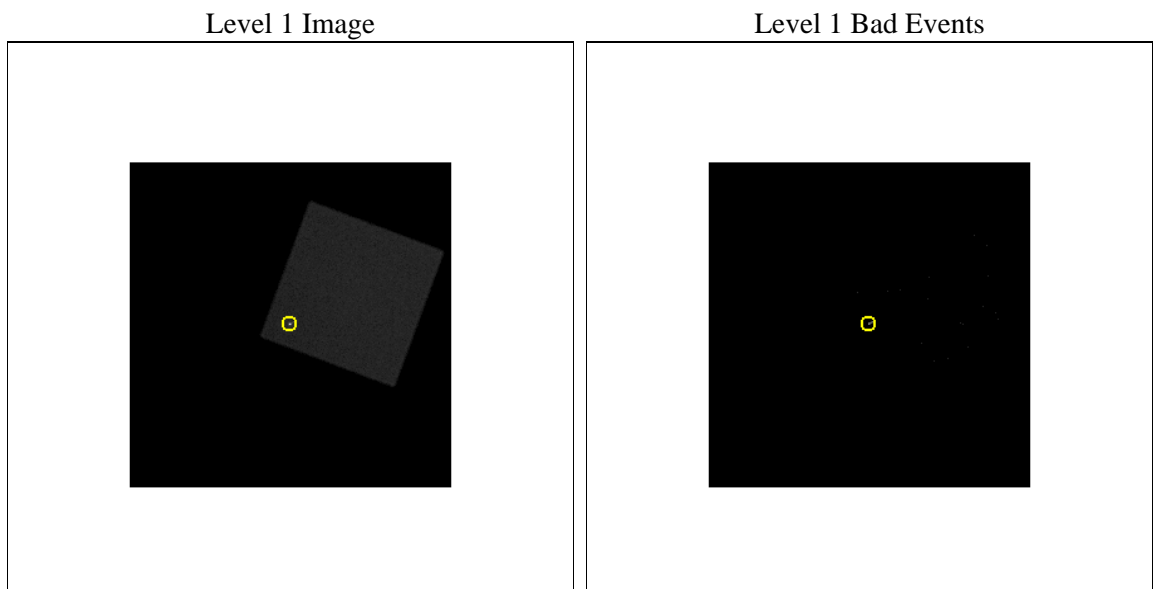
seq_num	290724	Sequence number
obs_id	8345	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168184451448	Nominal RA [deg]
dec_nom	45.995308825341	Nominal Dec [deg]
roll_nom	245.3784097496	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5183.6814957261	[s]
liveltime	5130.054993837	Ontime multiplied by DTCOR
l2events	360053	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5183.6814957261	[s]
caldbver	4.5.1.1	 	l1events	568859	Number of level 1 events
date	2012-08-11T17:09:43	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

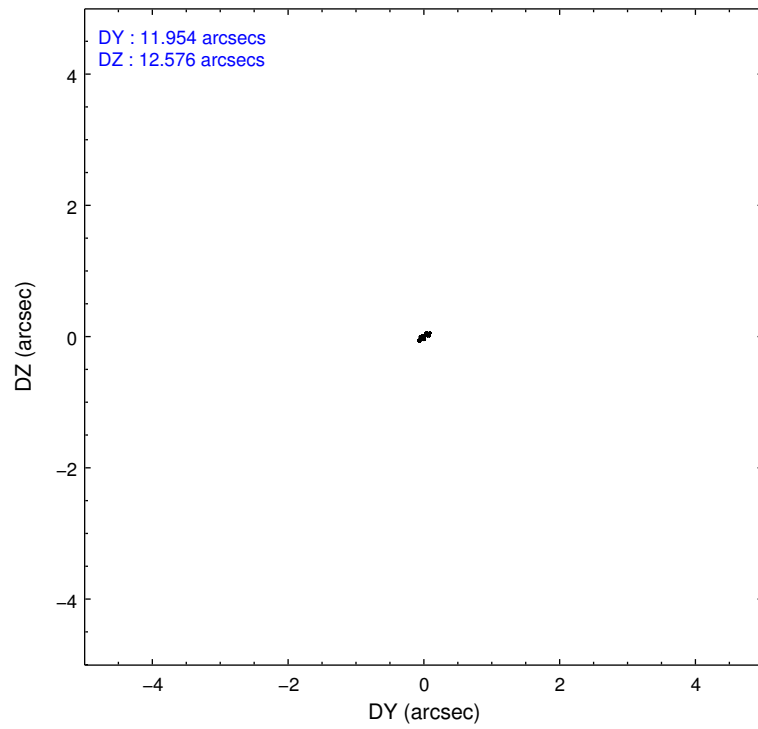
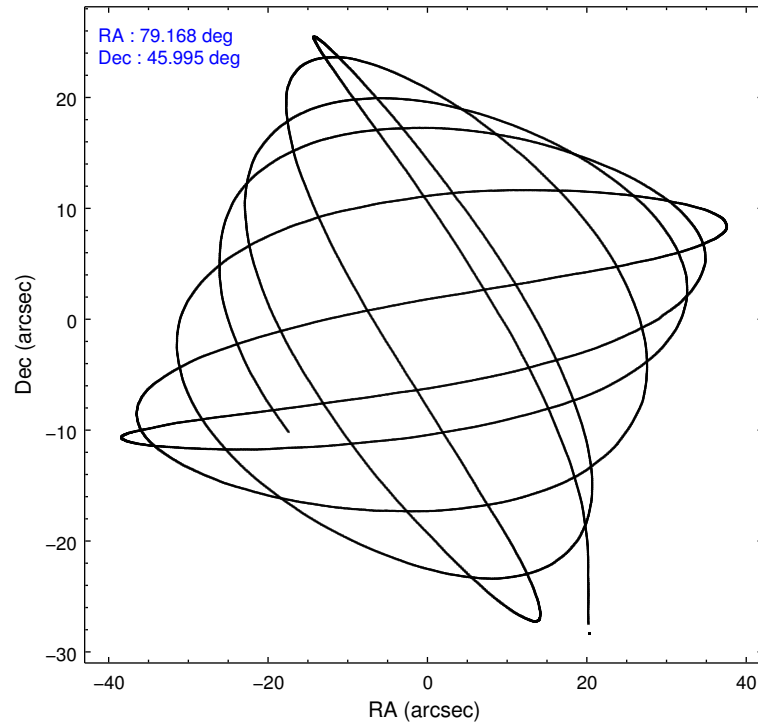
	segment 0
level 1 events	568859
rejected events	79747
rejected %	14%

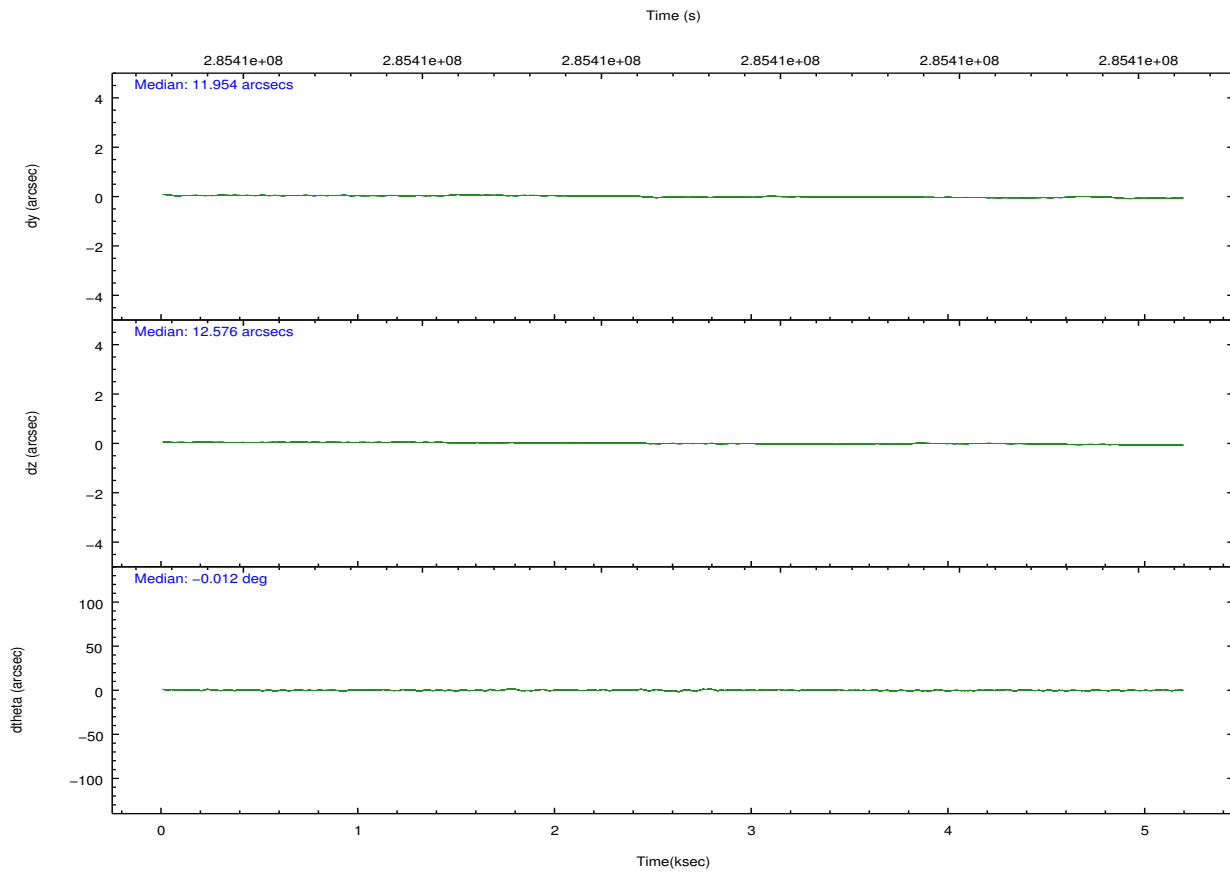
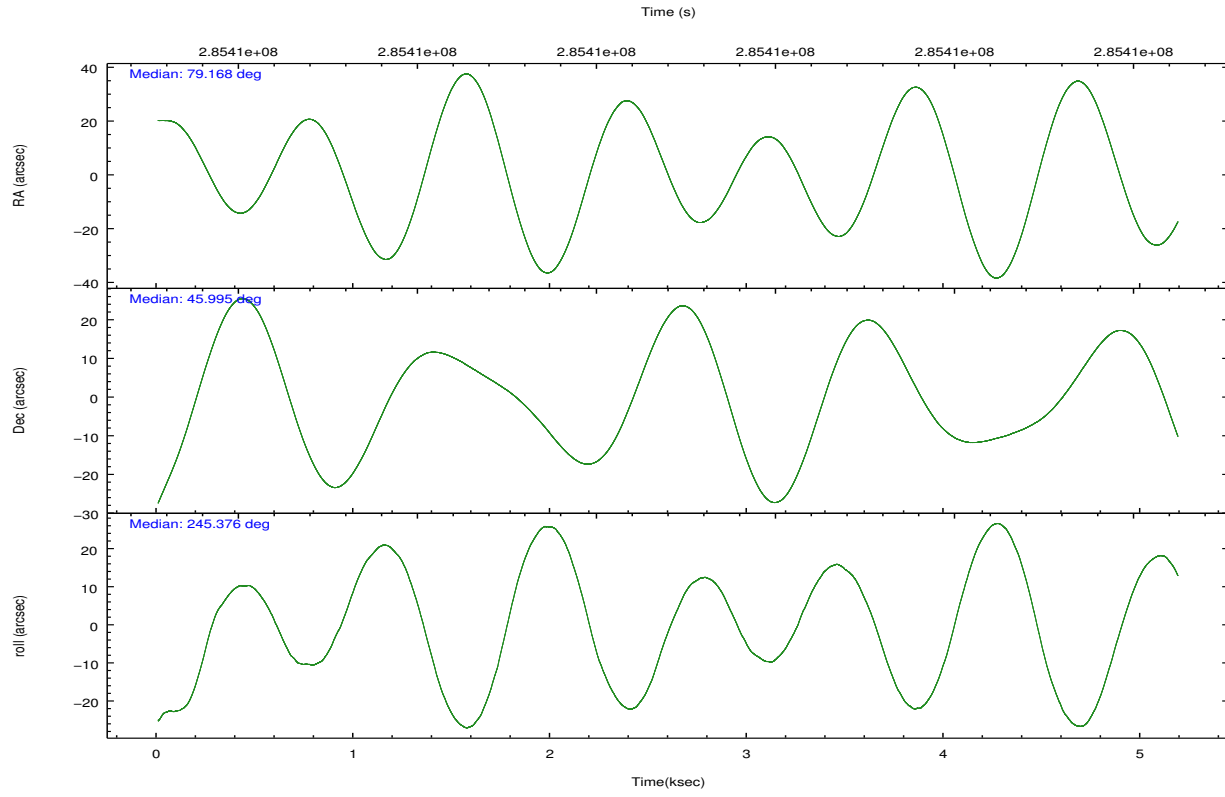
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	79.163536	79.16818445144838
[deg] Pointing Dec	46.022090	45.99530882534071
[deg] Pointing Roll	245.477247	245.3784097495956
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	171.985494	171.9816809420056
[mm] SIM translation stage offset	-45	-44.99619205040401
[s] Observation start time (MET)	285408002.184000	285406953.9719
Observation start date	2007-01-17T07:58:57	2007-01-17T07:42:33
[s] Observation end time (MET)	285413002.184000	285413136.2597
Observation end date	2007-01-17T09:22:17	2007-01-17T09:25:36

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



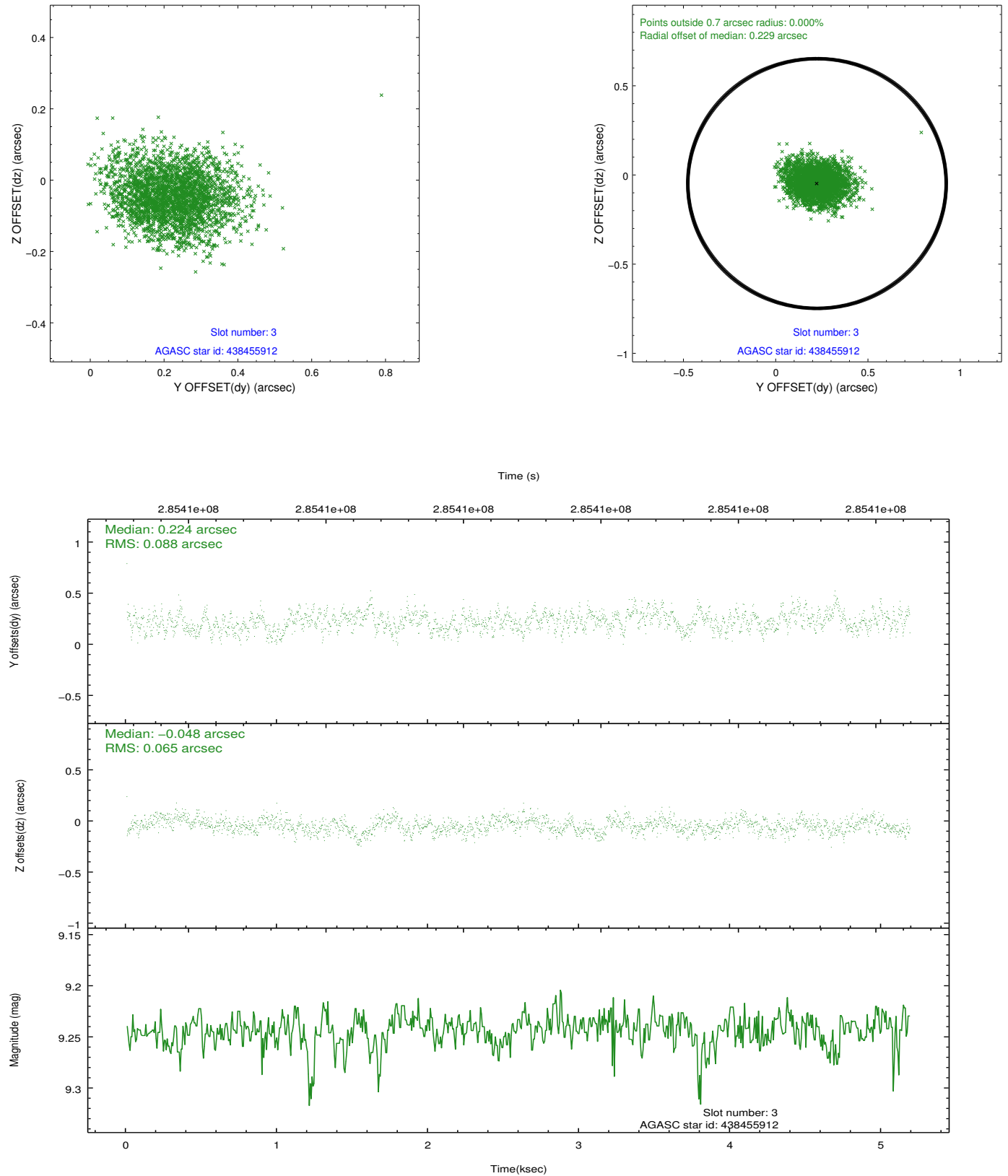


Slot Statistics

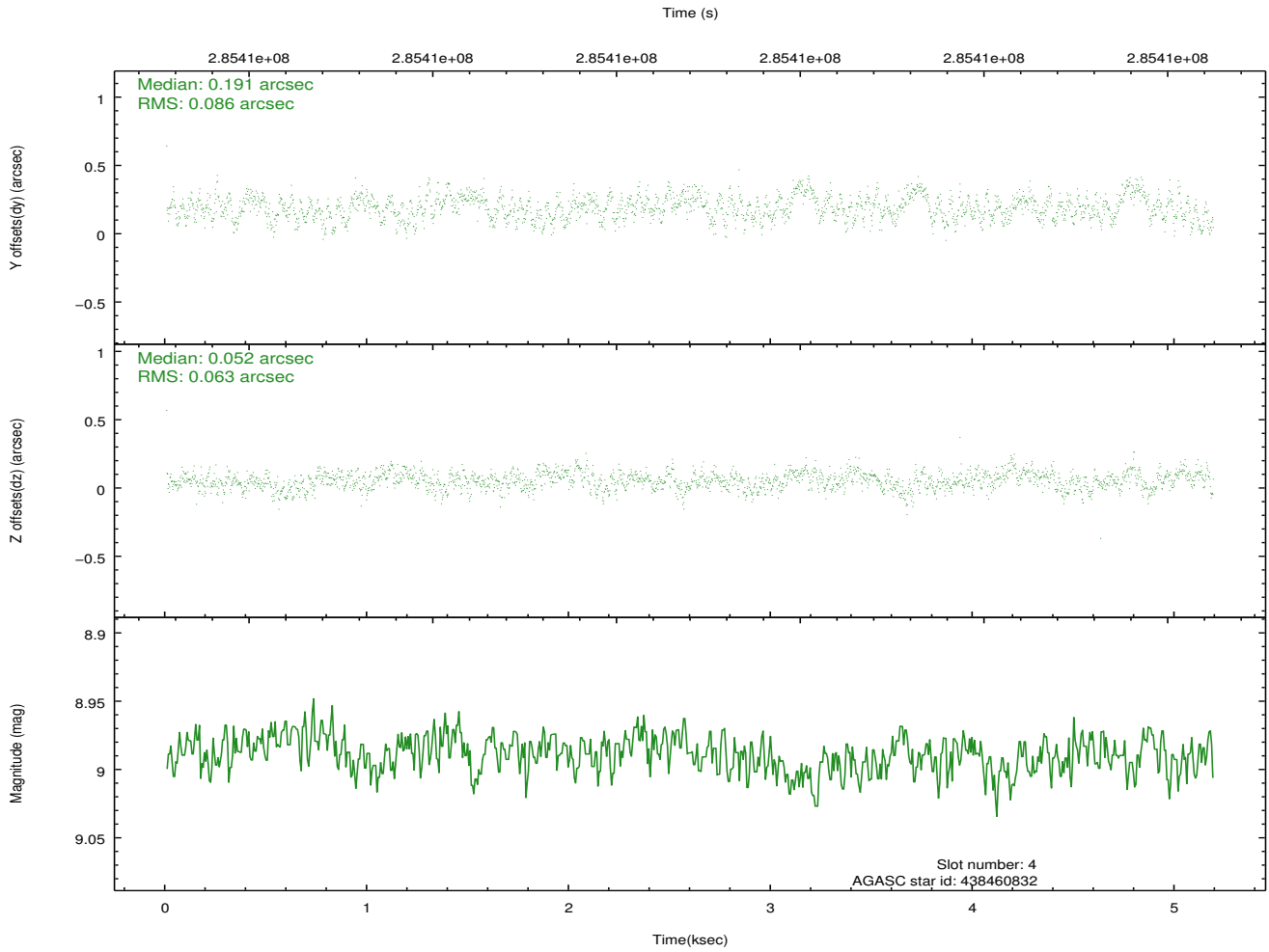
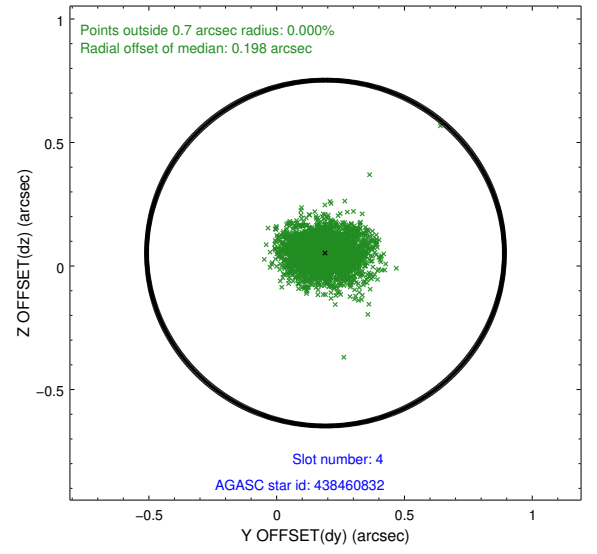
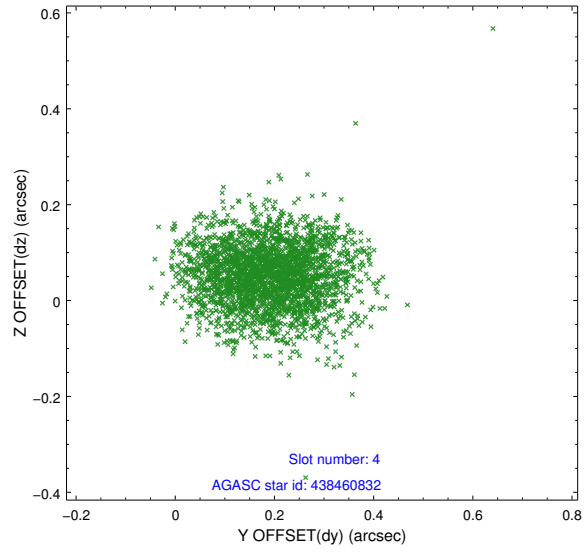
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	1265	0.067	-1.209	0.007	0.011	0.000000	0.000000	-766.96	-2226.18
1	FID	HRC-I-2	7.02	1265	-0.271	0.530	0.007	0.015	0.000000	0.000000	845.75	-2228.22
2	FID	HRC-I-3	7.17	1265	0.321	0.578	0.008	0.020	0.000000	0.000000	-1194.33	77.15
3	GUIDE	438455912	9.24	2525	0.224	-0.048	0.115	0.189	78.251946	45.690923	2025.86	-1595.83
4	GUIDE	438460832	8.99	2526	0.191	0.052	0.114	0.182	78.414614	45.554782	2308.63	-1023.07
5	GUIDE	440140240	9.98	2526	-0.206	0.050	0.155	0.242	78.889349	46.726437	-2025.07	-1668.64
6	GUIDE	440150048	7.14	2529	-0.189	-0.013	0.083	0.126	79.112838	46.416060	-1237.77	-703.52
7	GUIDE	440163960	8.88	2525	-0.019	-0.040	0.083	0.139	79.298370	45.827072	498.80	599.16

2.4 Star Slots

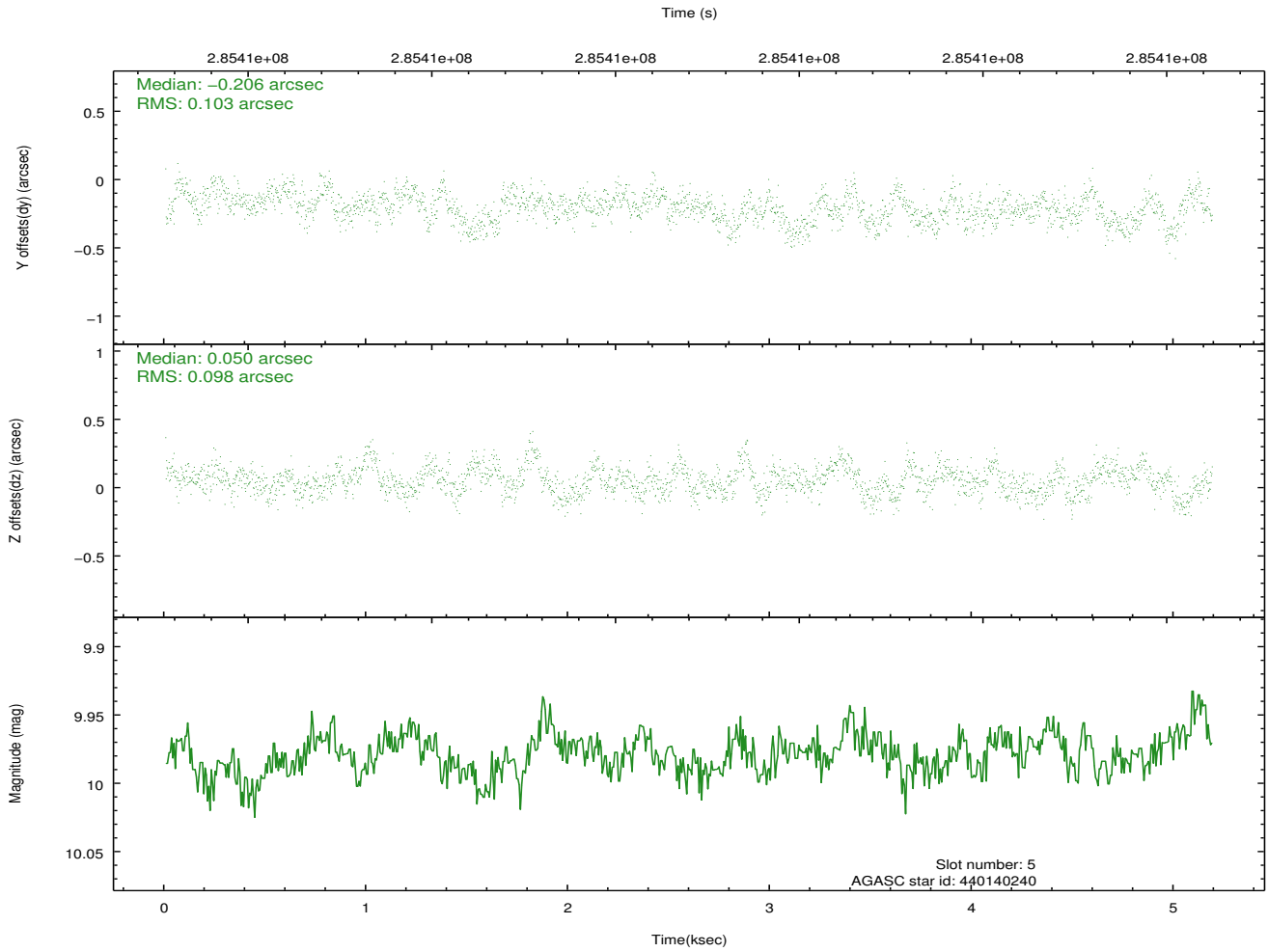
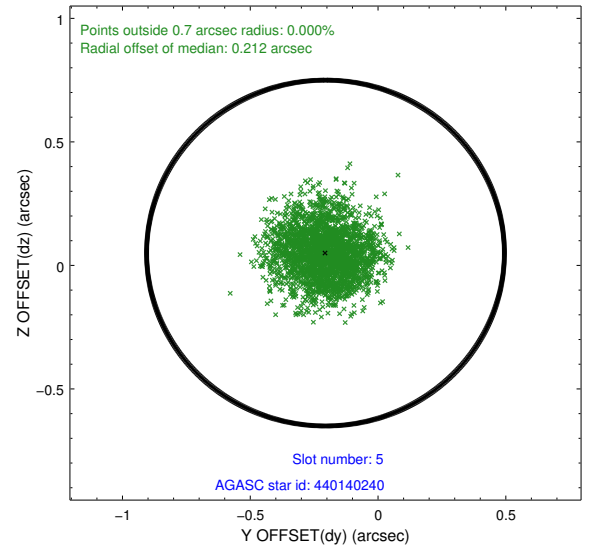
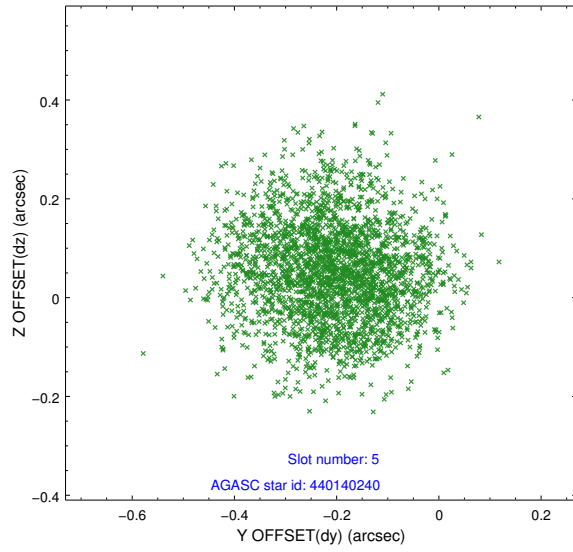
2.4.1 Slot 3



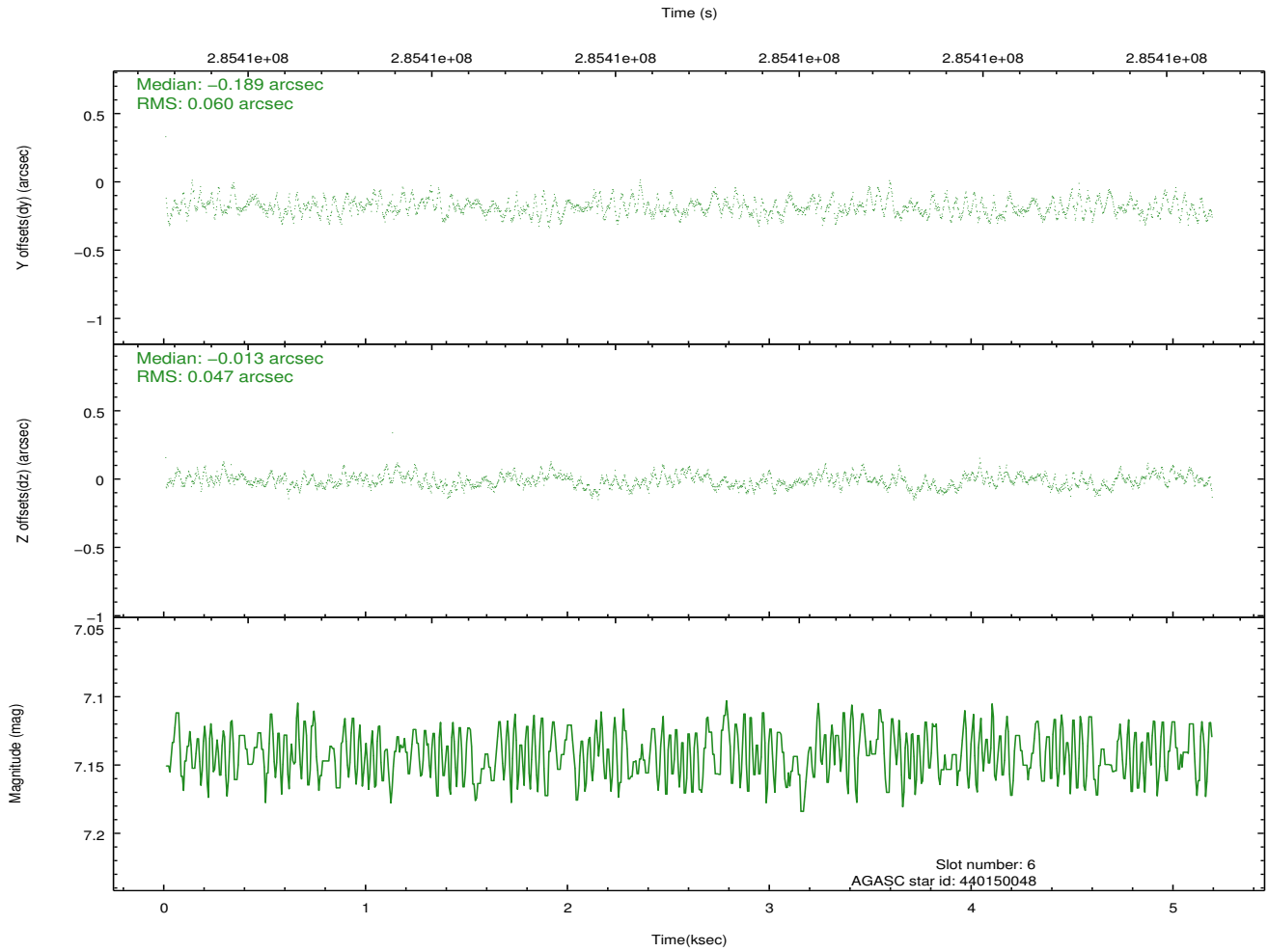
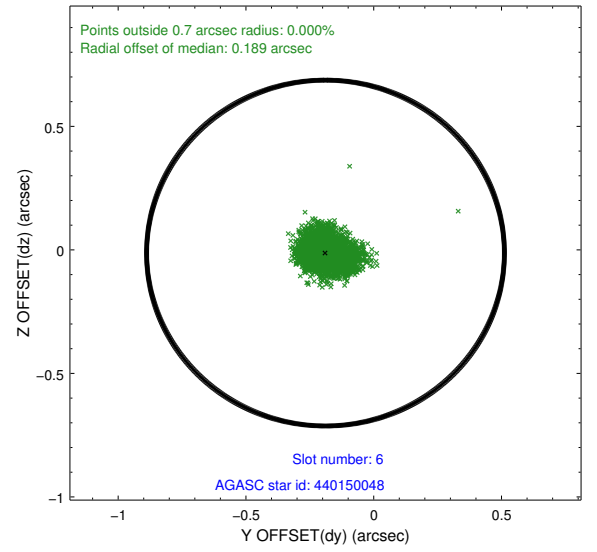
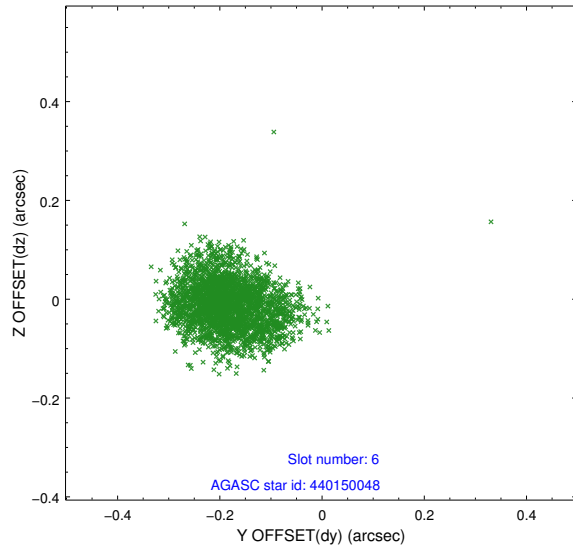
2.4.2 Slot 4



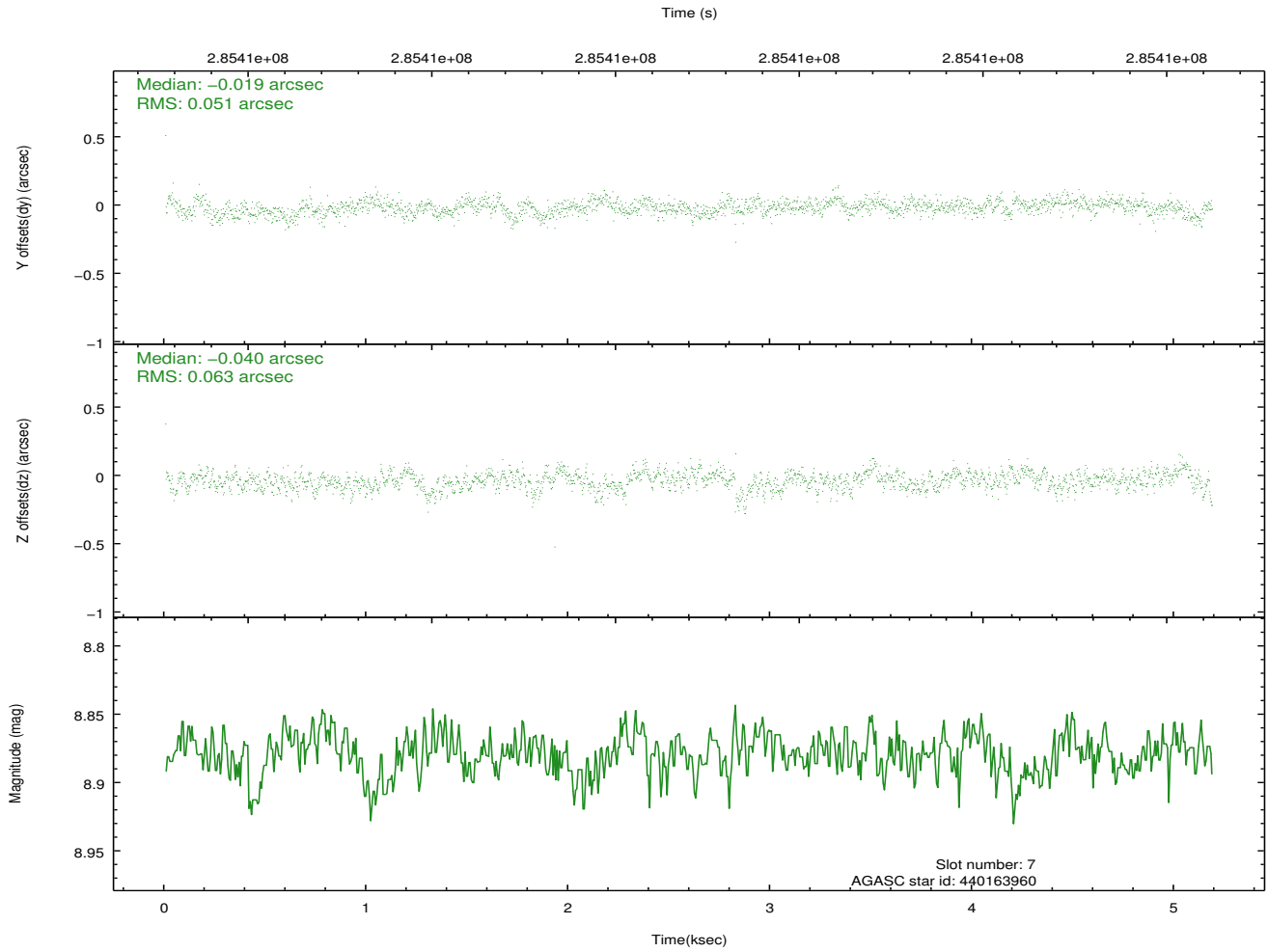
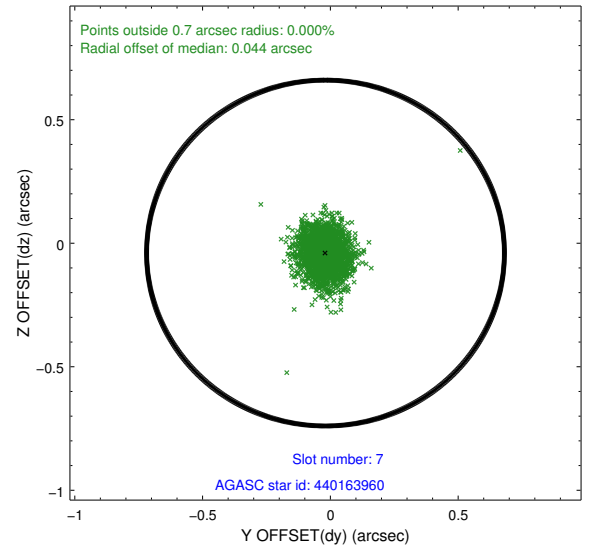
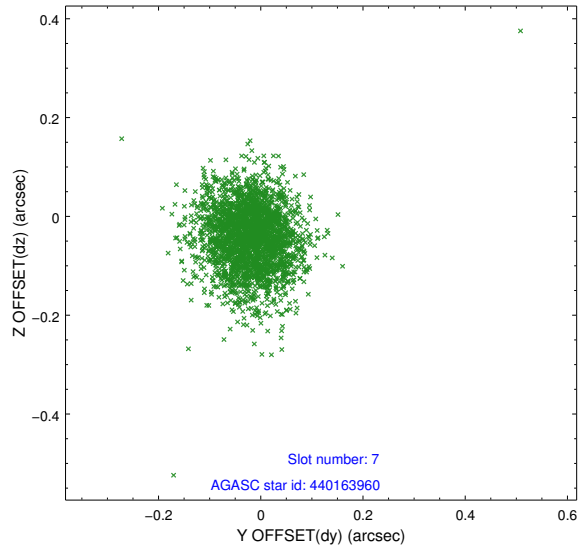
2.4.3 Slot 5



2.4.4 Slot 6

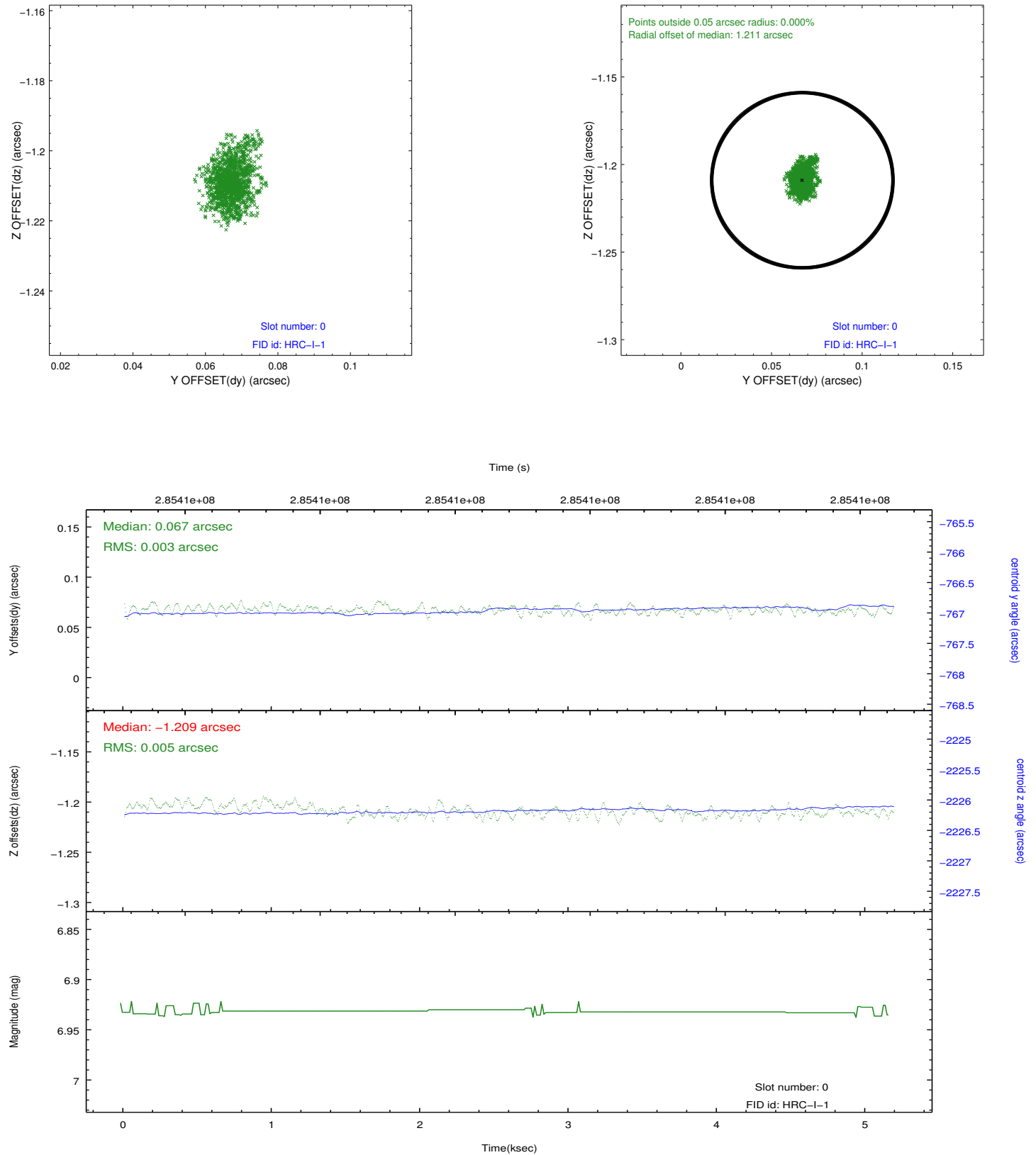


2.4.5 Slot 7

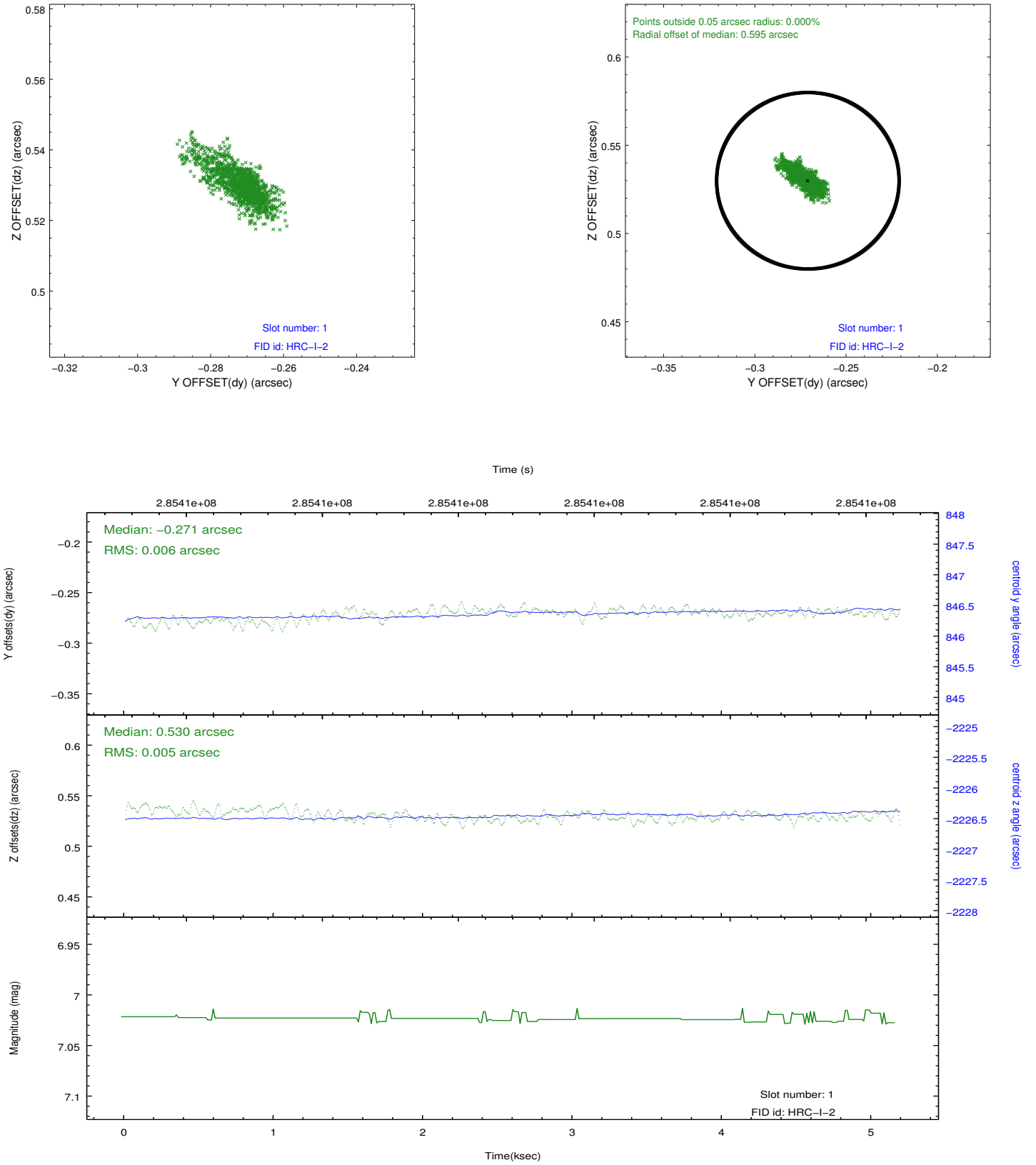


2.5 FID Slots

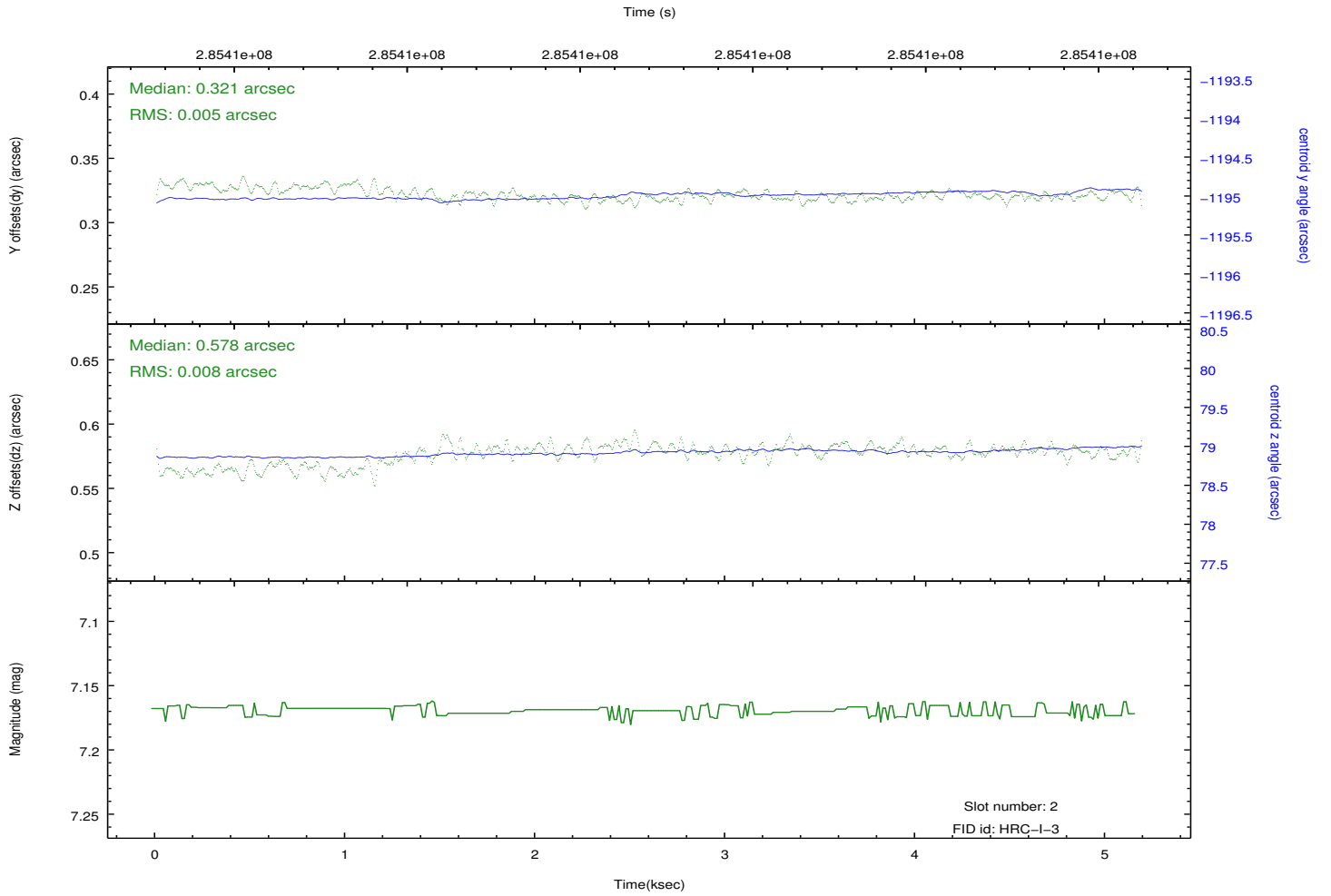
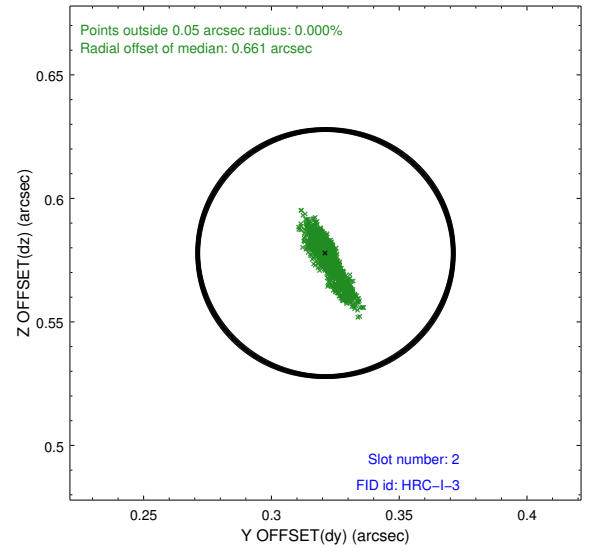
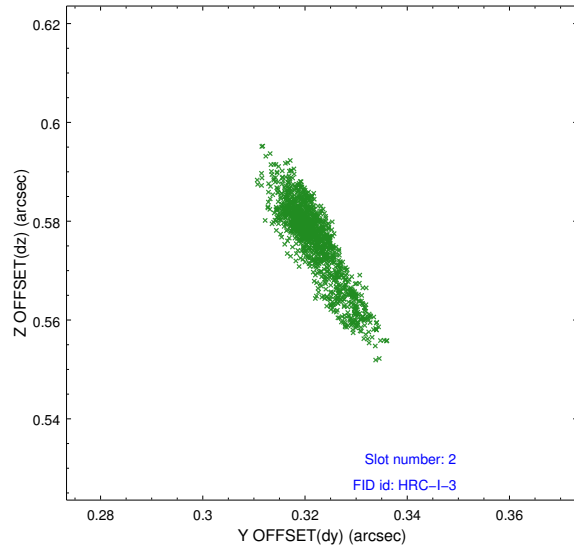
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18368149

A.2 Comments

This observation has a `sim_z_offset` of -44.99 [mm], and the fid radial offsets of 1.211 arcsec (slot 0), 0.595 arcsec (slot 1), and 0.661 arcsec (slot 2) are ok for Aspect.