

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8358 - L2 Version 6
Chandra X-Ray Center

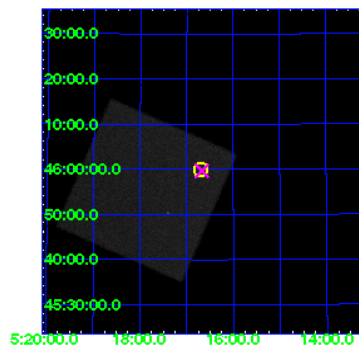
L2 Processing Date : Aug 11 2012

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1 Front

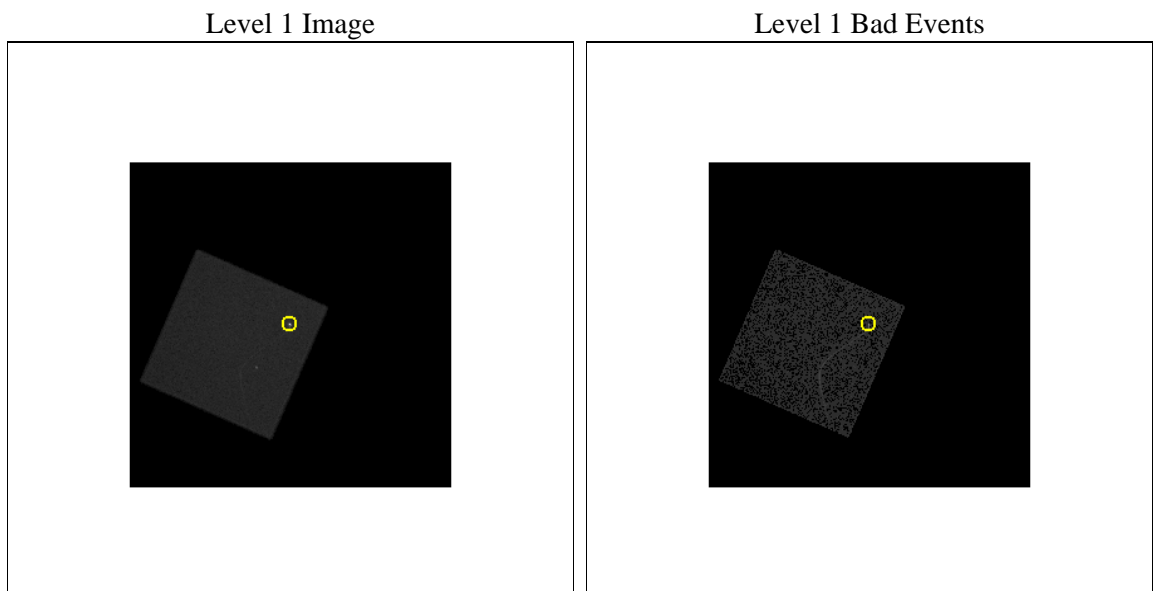
seq_num	290737	Sequence number
obs_id	8358	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168366274166	Nominal RA [deg]
dec_nom	45.994715583813	Nominal Dec [deg]
roll_nom	248.60653987191	Nominal Roll [deg]
revision	6	Processing version of data
ontime	5185.7314958572	[s]
livetime	5130.3356089432	Ontime multiplied by DTCOR
l2events	379166	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	5185.7314958572	[s]
caldsver	4.5.1.1	 	l1events	611591	Number of level 1 events
date	2012-08-11T17:57:31	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

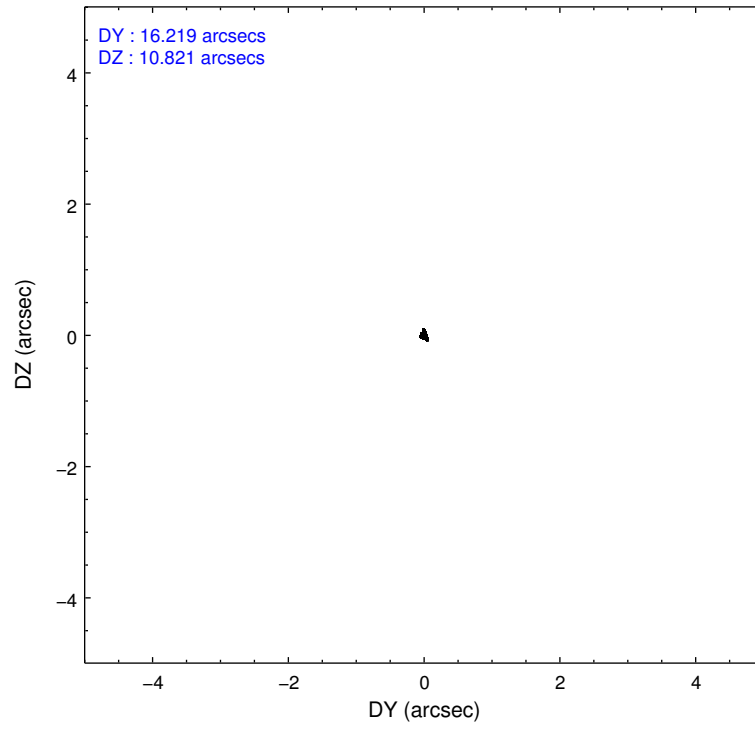
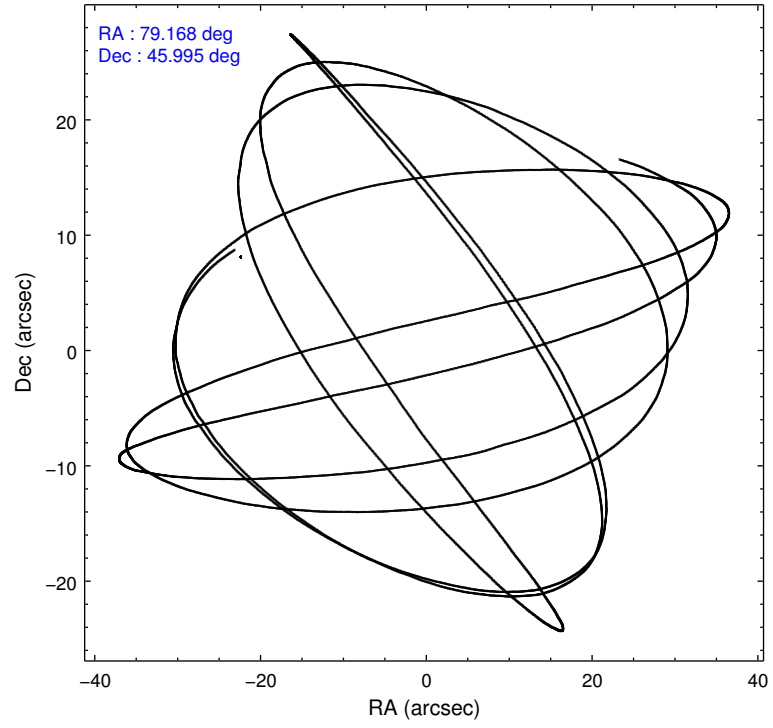
	segment 0
level 1 events	611591
rejected events	98971
rejected %	16%

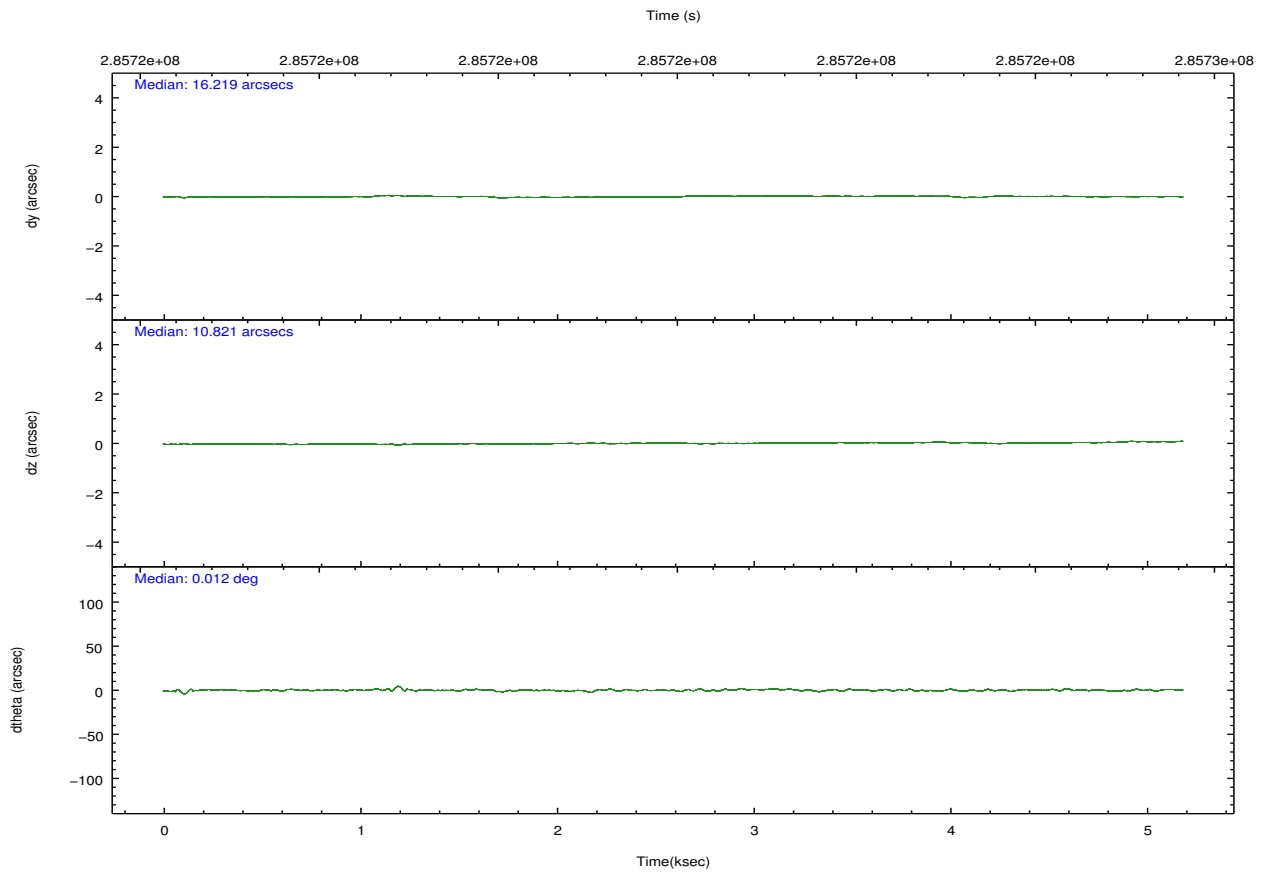
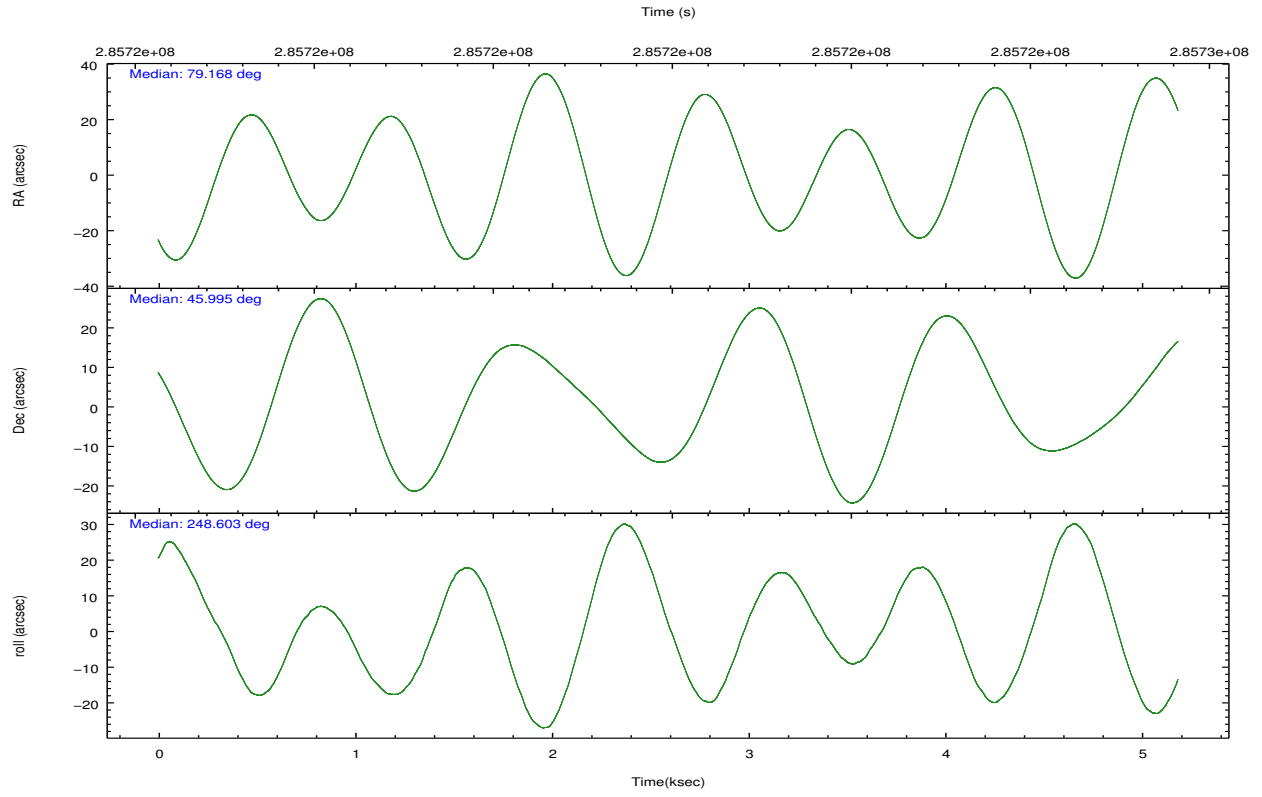
2.2 Compared Parameters

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	79.161586	79.16836627416625
[deg] Pointing Dec	46.021703	45.99471558381313
[deg] Pointing Roll	248.706902	248.6065398719136
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	87.985494	87.98343534748908
[mm] SIM translation stage offset	39	39.00205354411248
[s] Observation start time (MET)	285720563.184000	285720187.32425
Observation start date	2007-01-20T22:48:18	2007-01-20T22:43:07
[s] Observation end time (MET)	285725563.184000	285726592.03706
Observation end date	2007-01-21T00:11:38	2007-01-21T00:29:52

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

2.3 Aspect



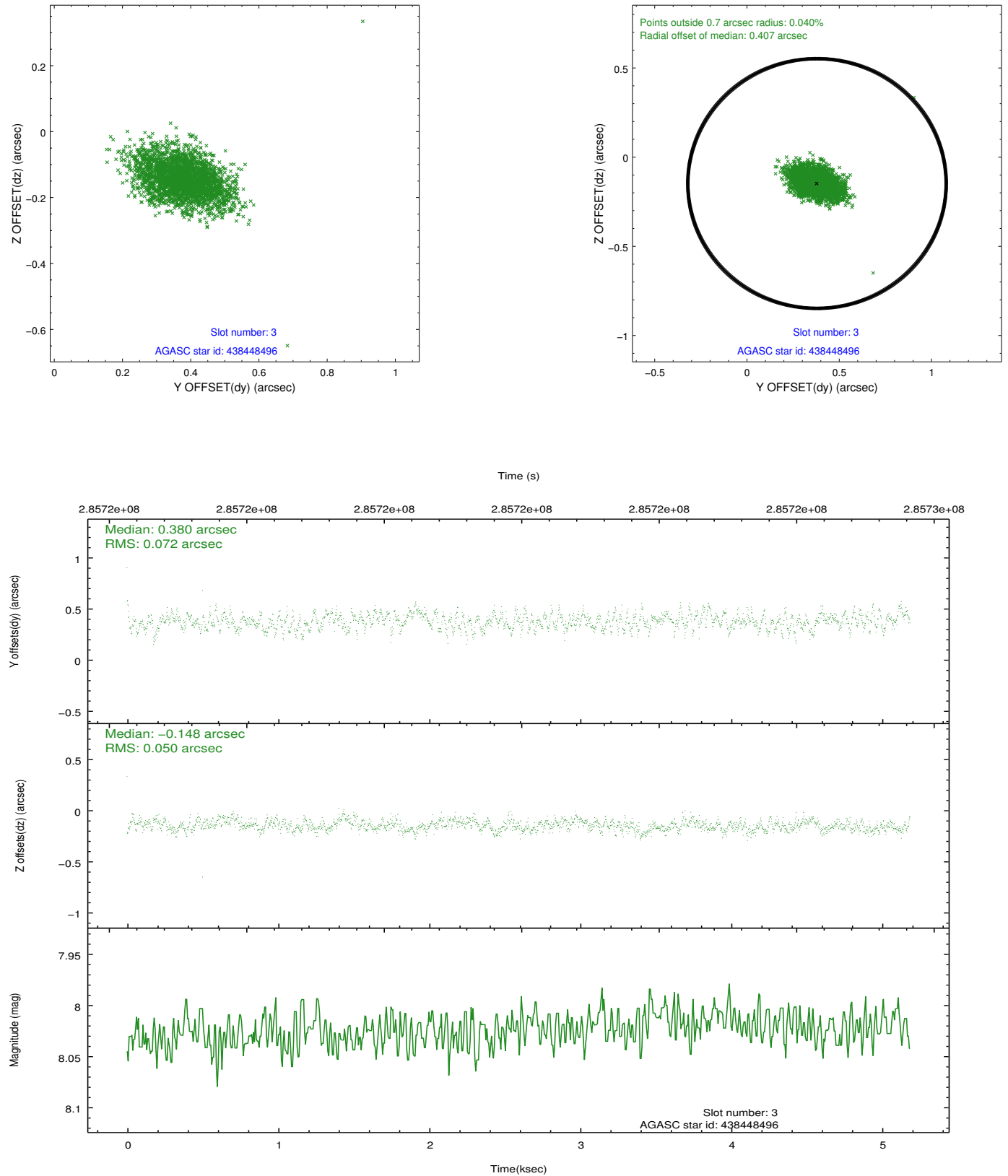


Slot Statistics

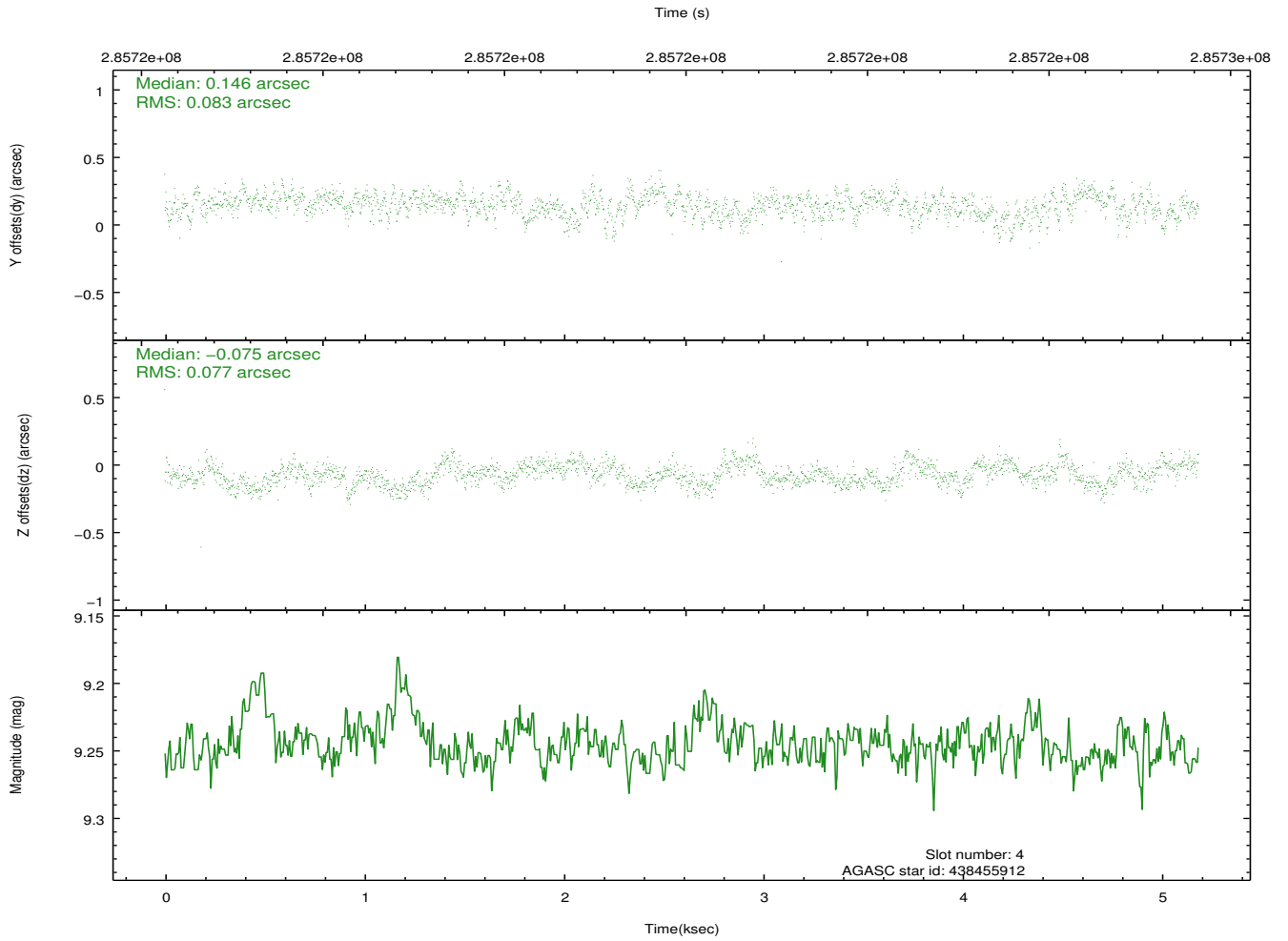
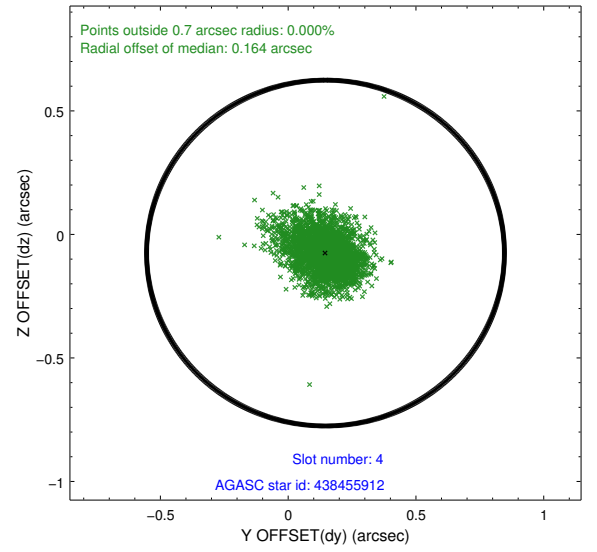
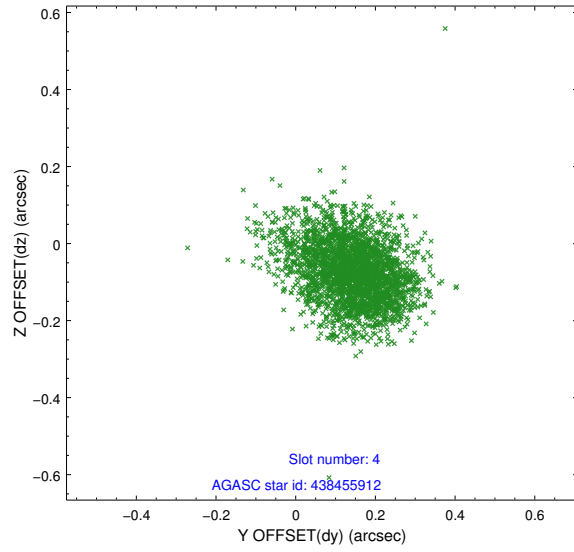
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	FID	HRC-I-2	7.10	1265	0.006	-0.216	0.004	0.008	0.000000	0.000000	839.81	-498.79
2	FID	HRC-I-4	6.90	1265	0.070	0.154	0.004	0.008	0.000000	0.000000	1270.85	1804.88
3	GUIDE	438448496	8.02	2530	0.380	-0.148	0.090	0.152	77.967952	45.656964	2293.68	-2329.79
4	GUIDE	438455912	9.25	2528	0.146	-0.075	0.118	0.193	78.251946	45.690923	1929.15	-1704.55
5	GUIDE	438460832	8.99	2527	0.096	0.078	0.105	0.171	78.414614	45.554782	2242.78	-1147.64
6	GUIDE	440140240	9.99	2530	-0.305	0.093	0.146	0.239	78.889349	46.726437	-2120.38	-1548.23
7	GUIDE	440150048	7.15	2530	-0.314	0.045	0.090	0.147	79.112838	46.416060	-1280.05	-628.95

2.4 Star Slots

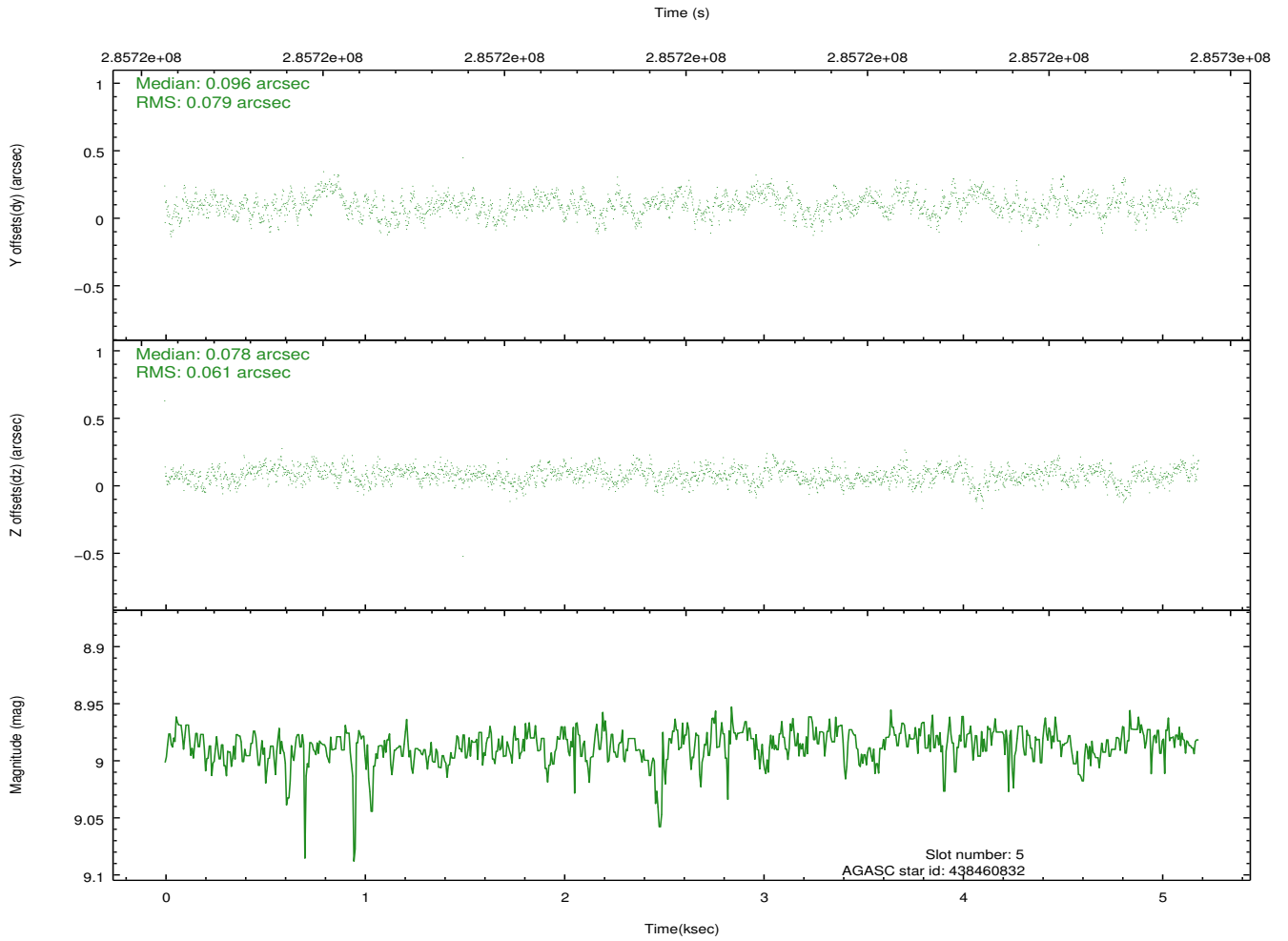
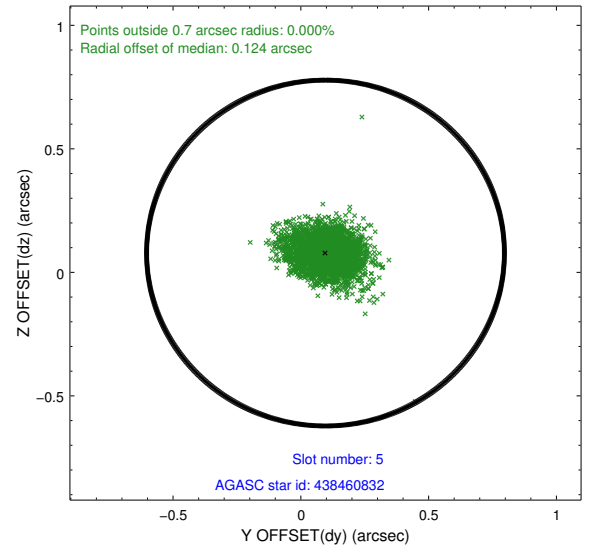
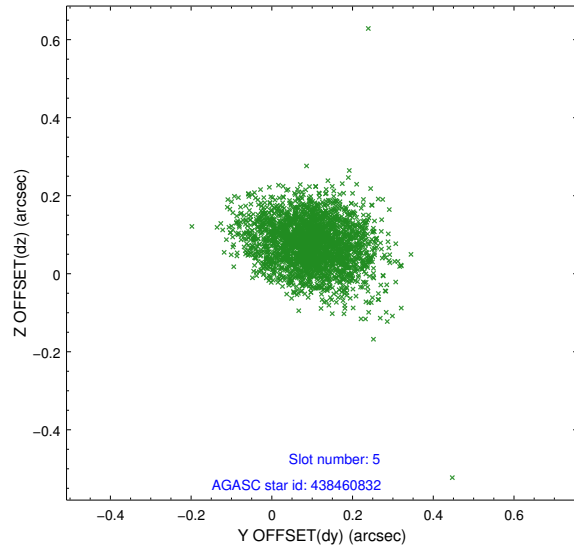
2.4.1 Slot 3



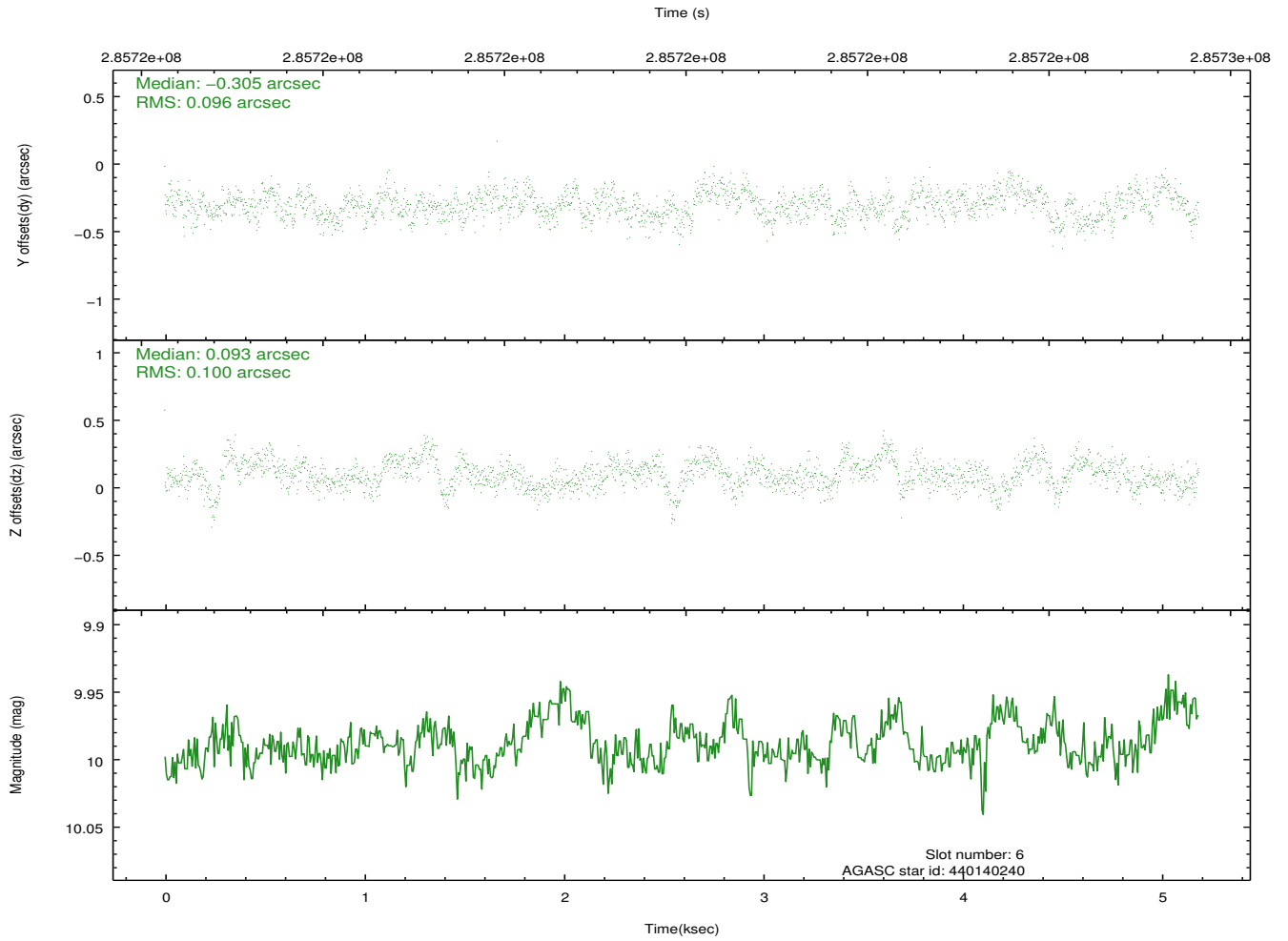
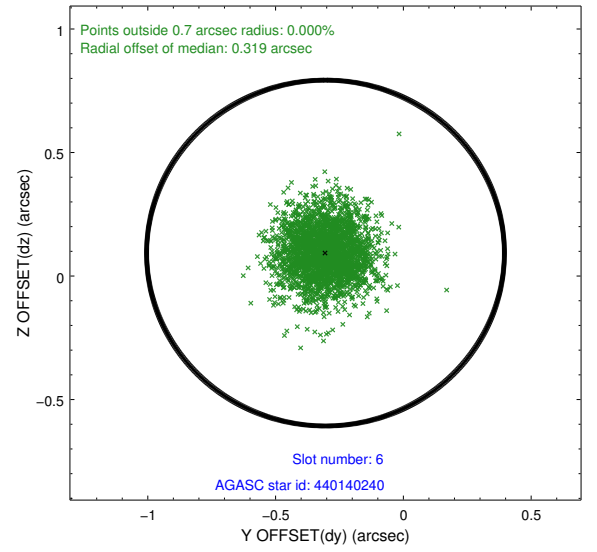
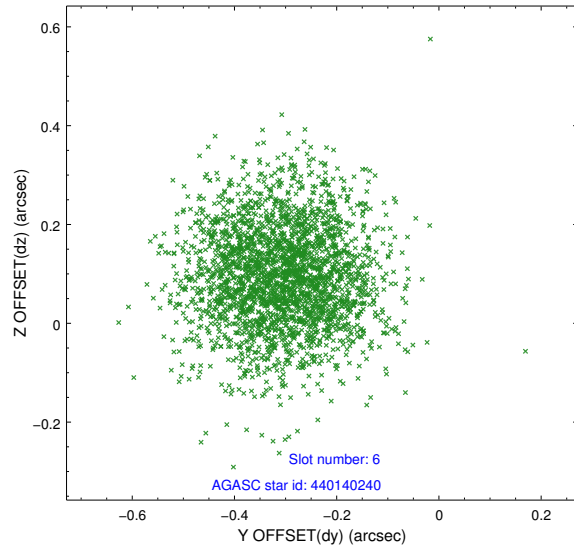
2.4.2 Slot 4



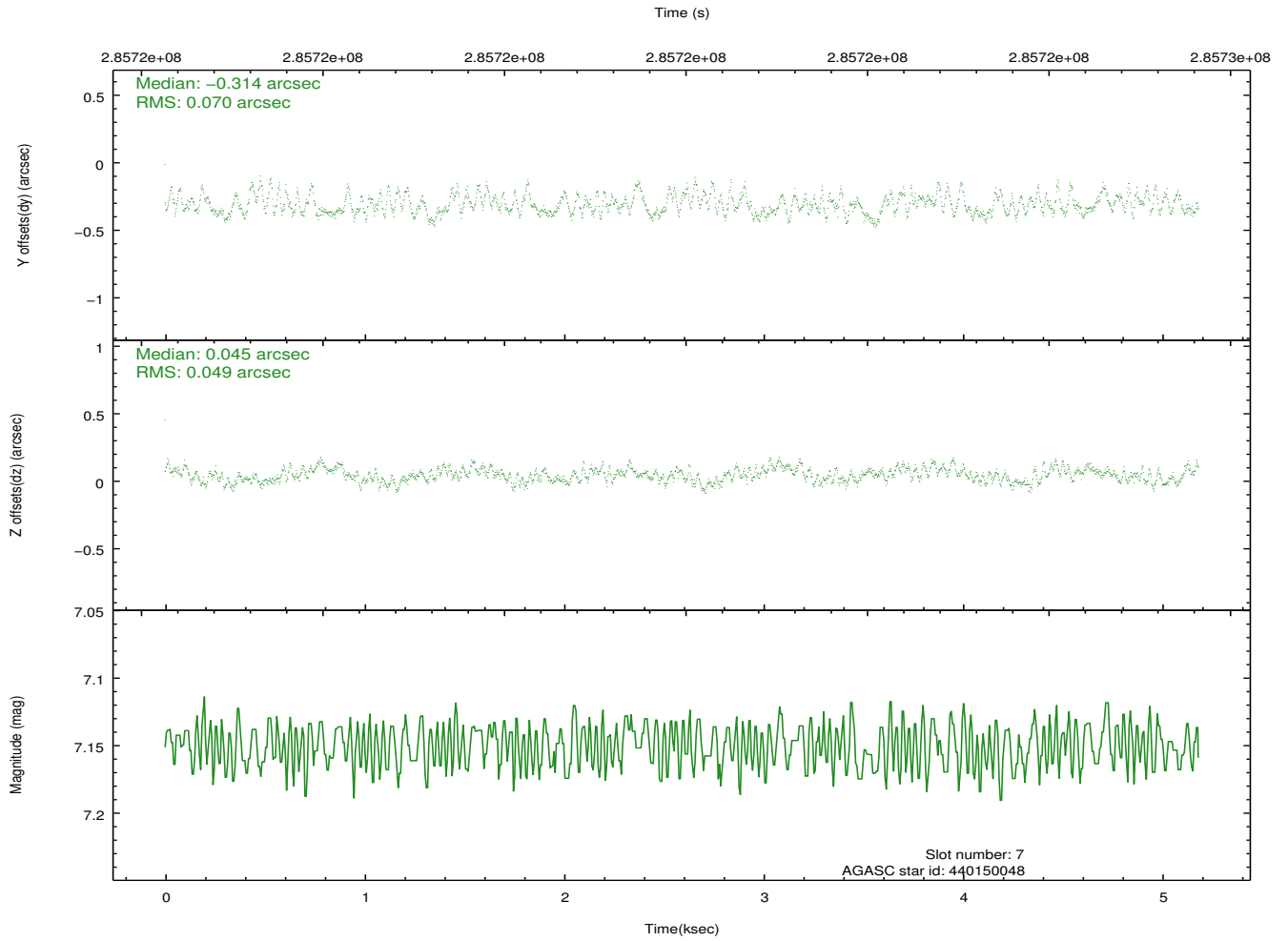
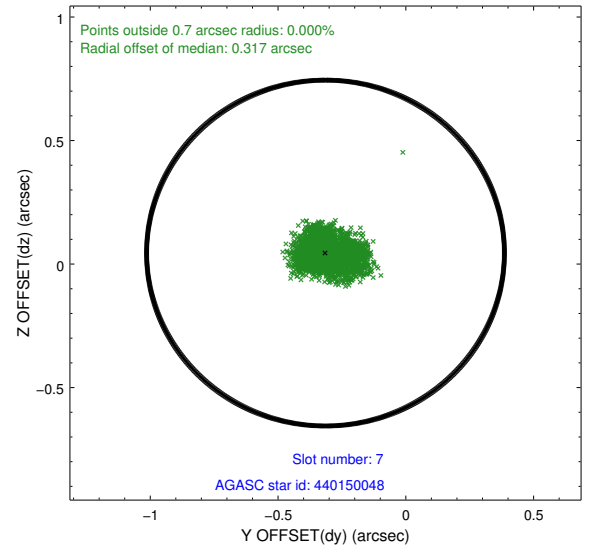
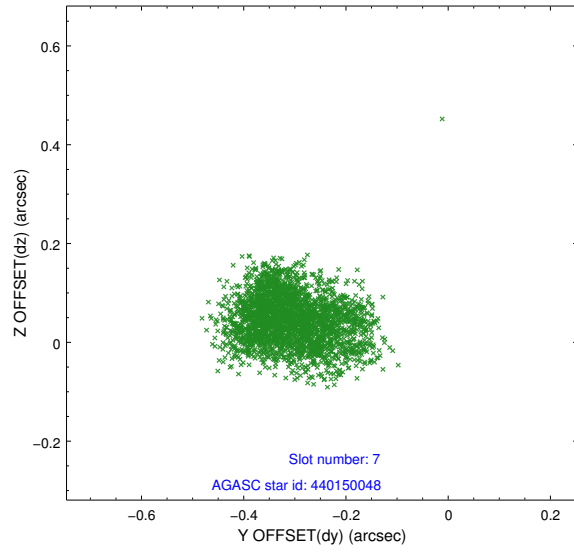
2.4.3 Slot 5



2.4.4 Slot 6

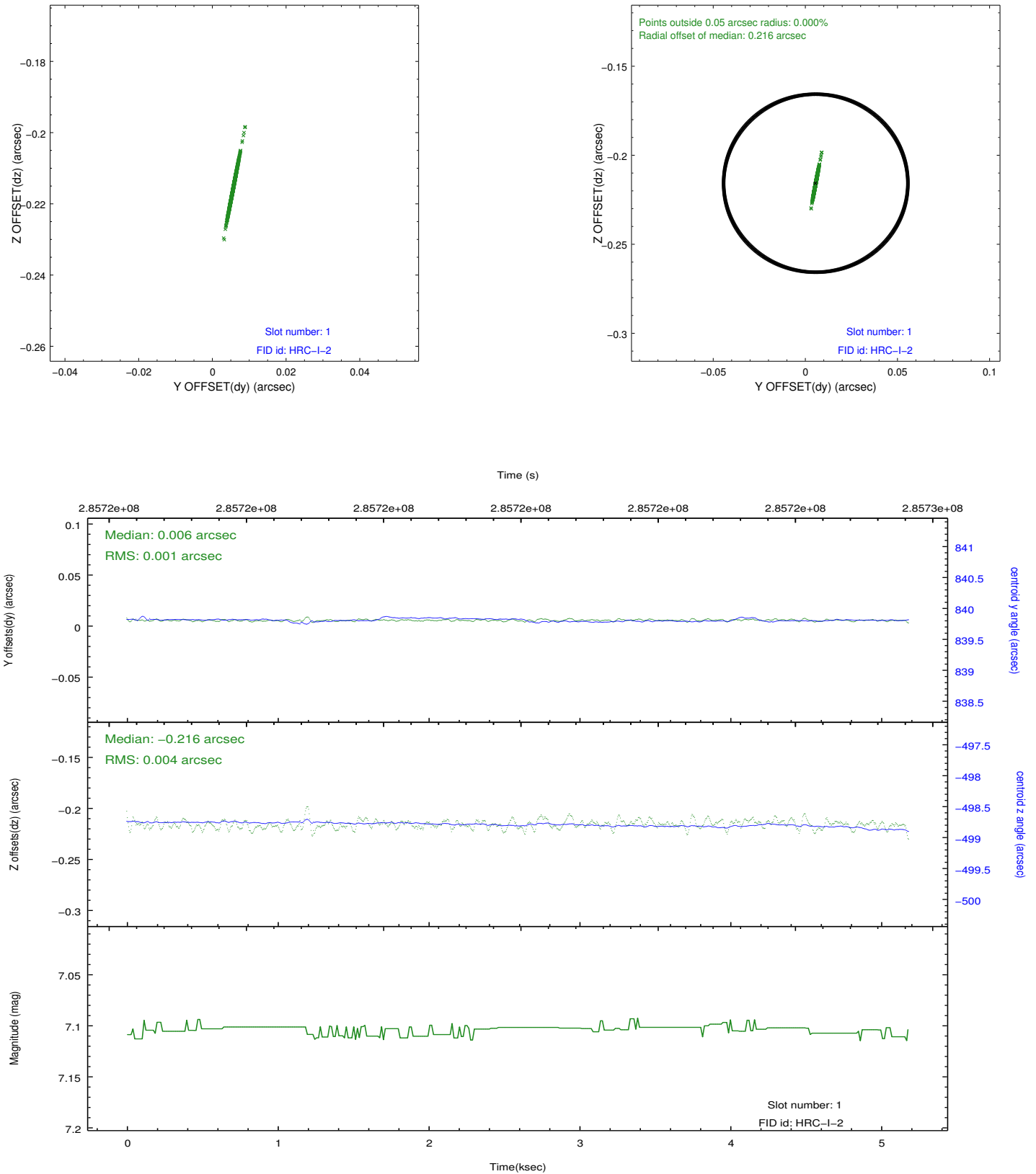


2.4.5 Slot 7

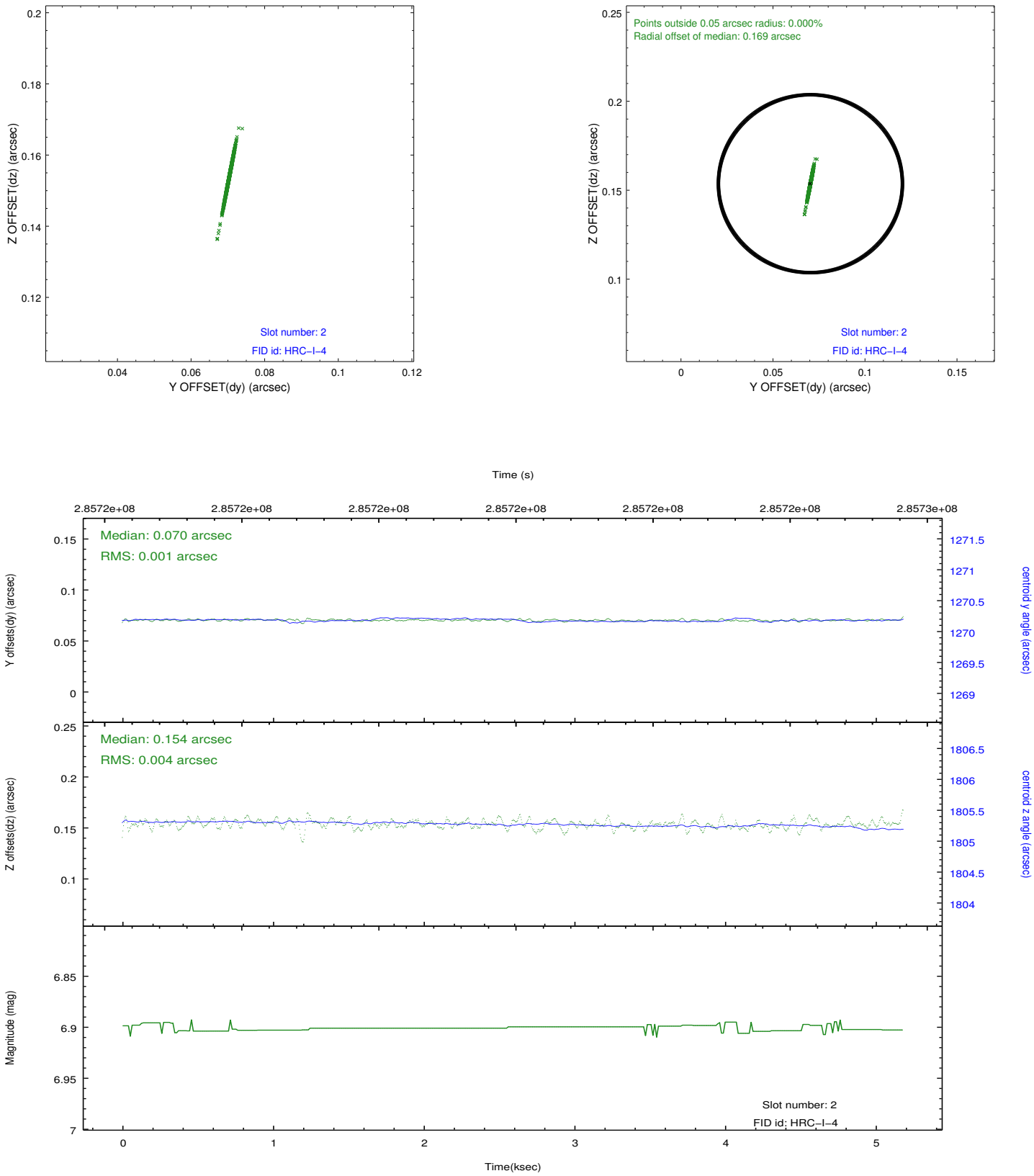


2.5 FID Slots

2.5.1 Slot 1



2.5.2 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	5.18547524

A.2 Comments

Unusually high offsets in the fid lights are due to the position of the target and the aimpoint, and are expected.

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The fid light in slot 0 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.