

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8348 - L2 Version 5
Chandra X-Ray Center

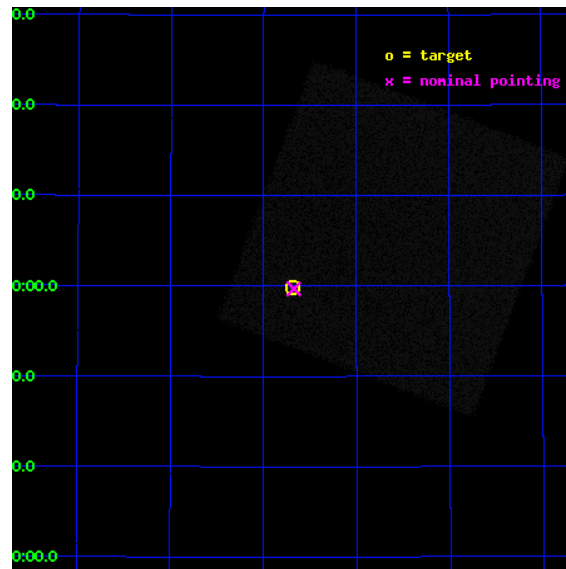
L2 Processing Date : Aug 11 2012

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1 Front

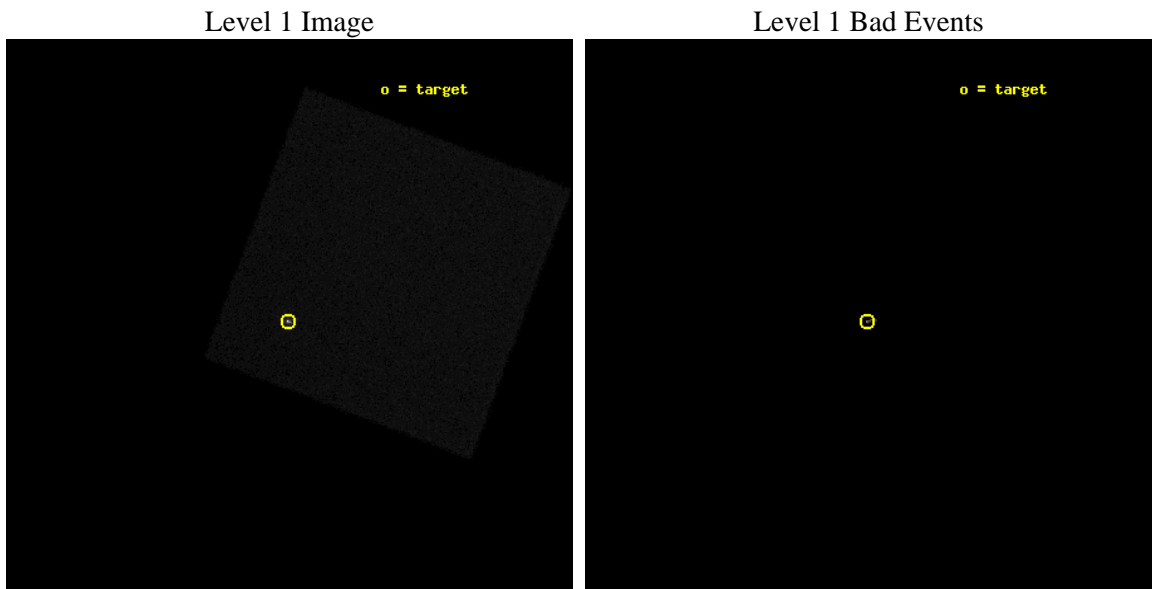
seq_num	290727	Sequence number
obs_id	8348	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168323237153	Nominal RA [deg]
dec_nom	45.995108884724	Nominal Dec [deg]
roll_nom	245.58985507106	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5183.6814957261	[s]
livetime	5129.8790089233	Ontime multiplied by DTCOR
l2events	363715	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	523864	Number of level 1 events
date	2012-08-11T17:23:41	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

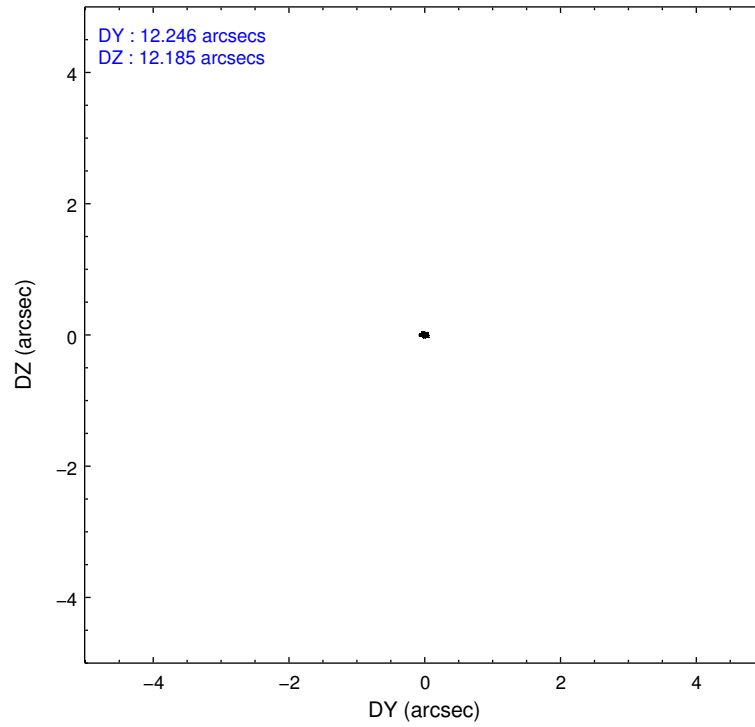
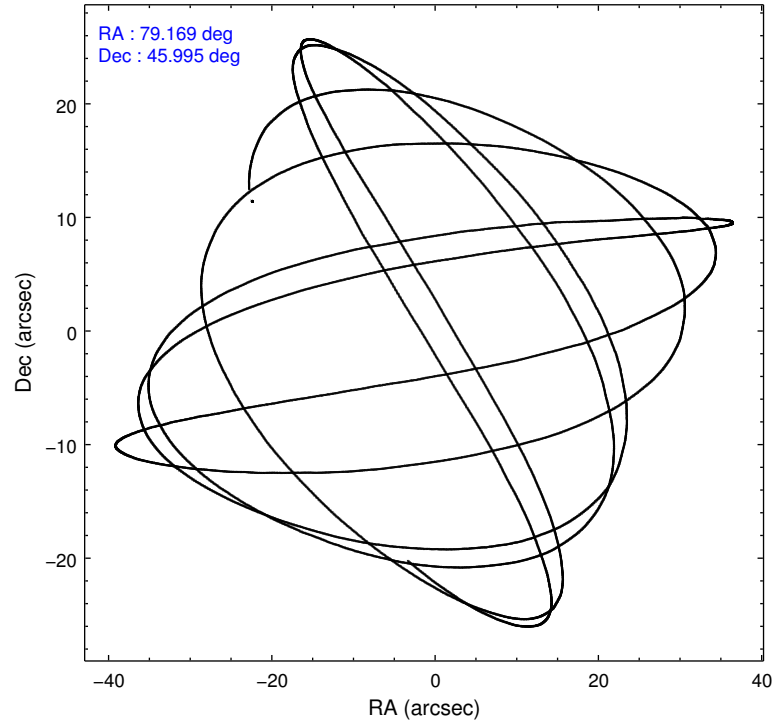
	segment 0
level 1 events	523864
rejected events	30751
rejected %	5%

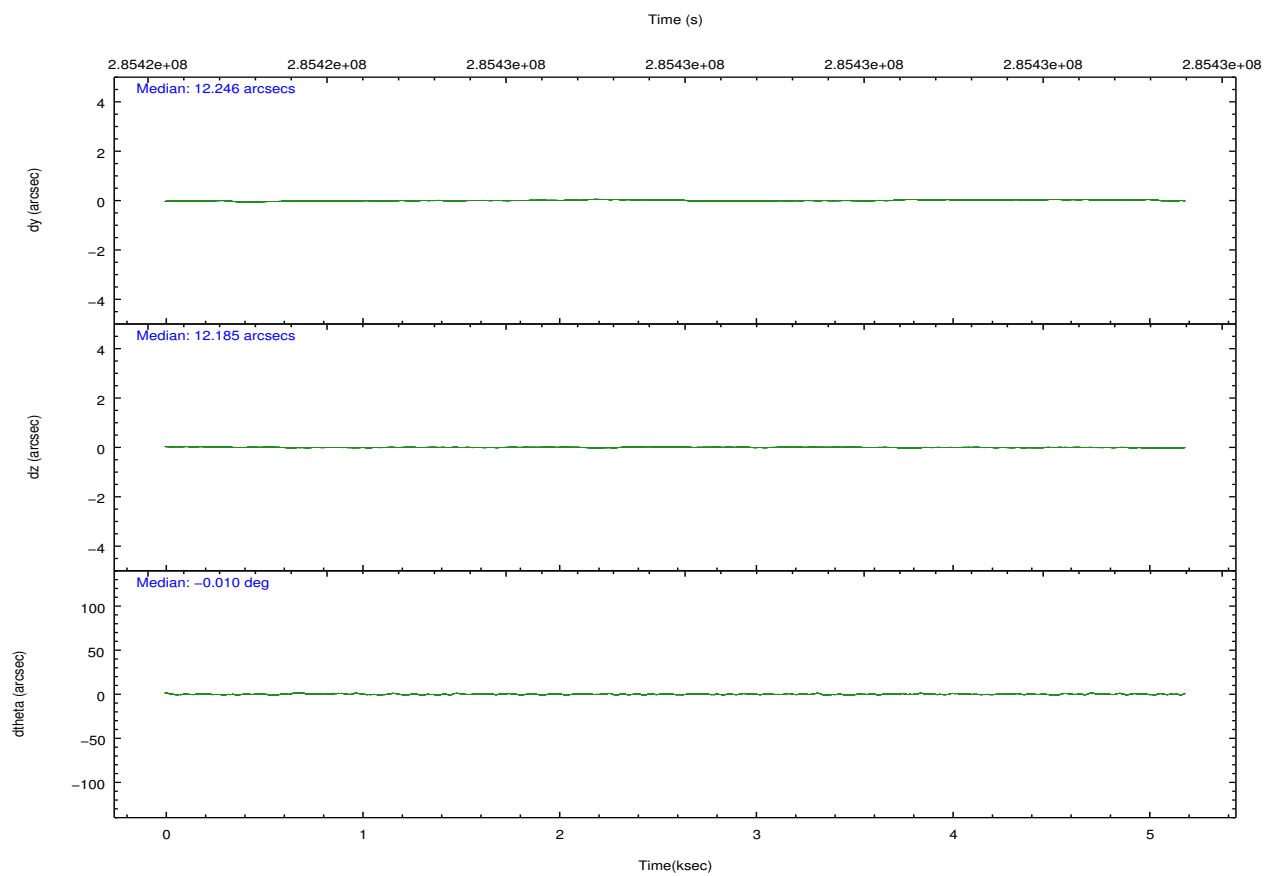
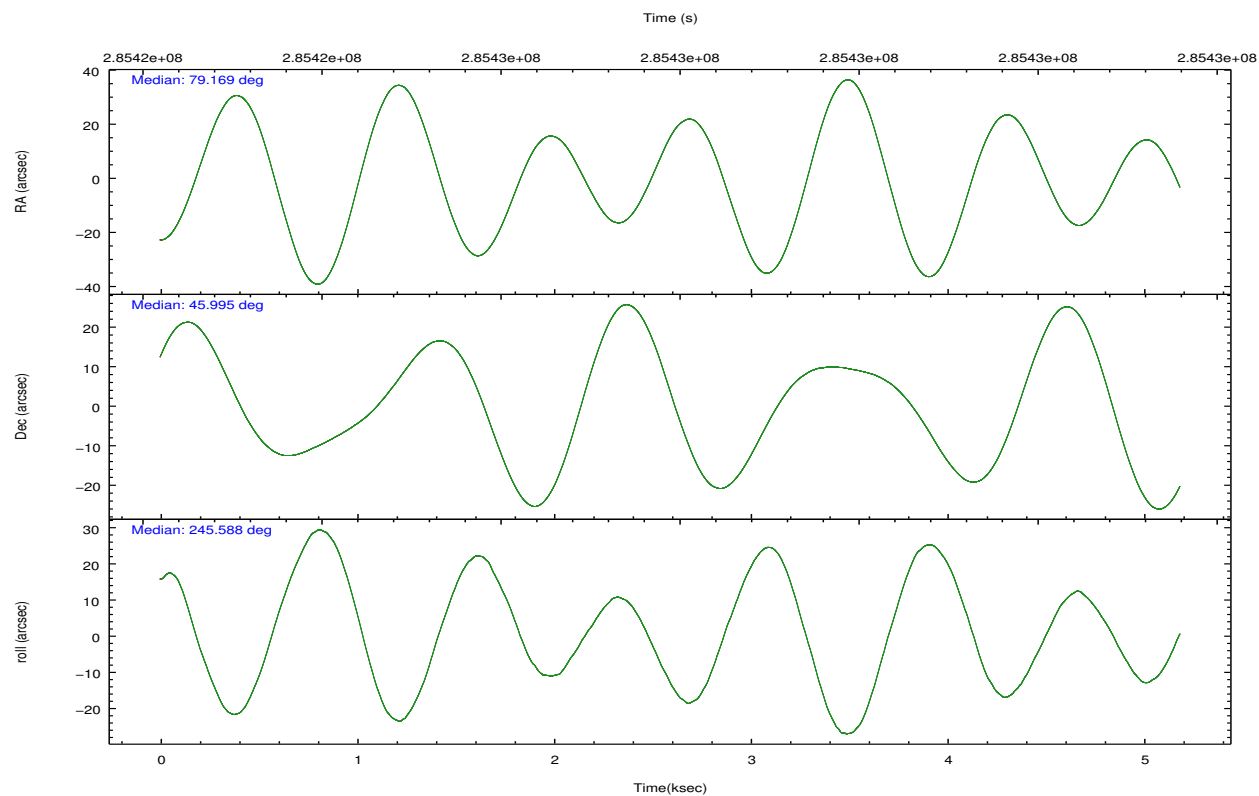
2.2 Compared Parameters

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	79.163410	79.16832323715263
[deg] Pointing Dec	46.022069	45.99510888472361
[deg] Pointing Roll	245.688871	245.5898550710574
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	162.985494	162.990489423627
[mm] SIM translation stage offset	-36	-36.00500053202543
[s] Observation start time (MET)	285424532.184000	285424156.03522
Observation start date	2007-01-17T12:34:27	2007-01-17T12:29:16
[s] Observation end time (MET)	285429532.184000	285429665.92298
Observation end date	2007-01-17T13:57:47	2007-01-17T14:01:05

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

2.3 Aspect



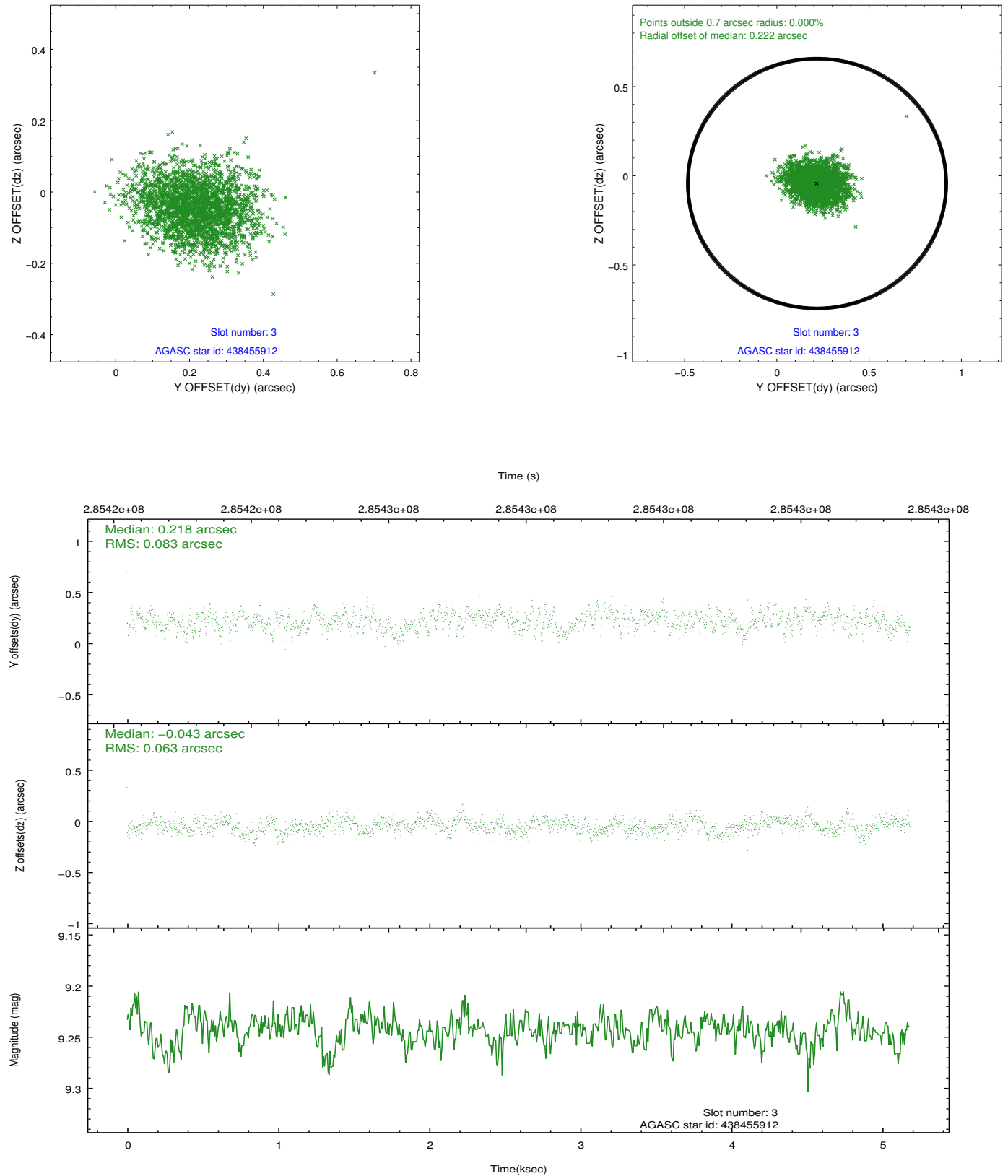


Slot Statistics

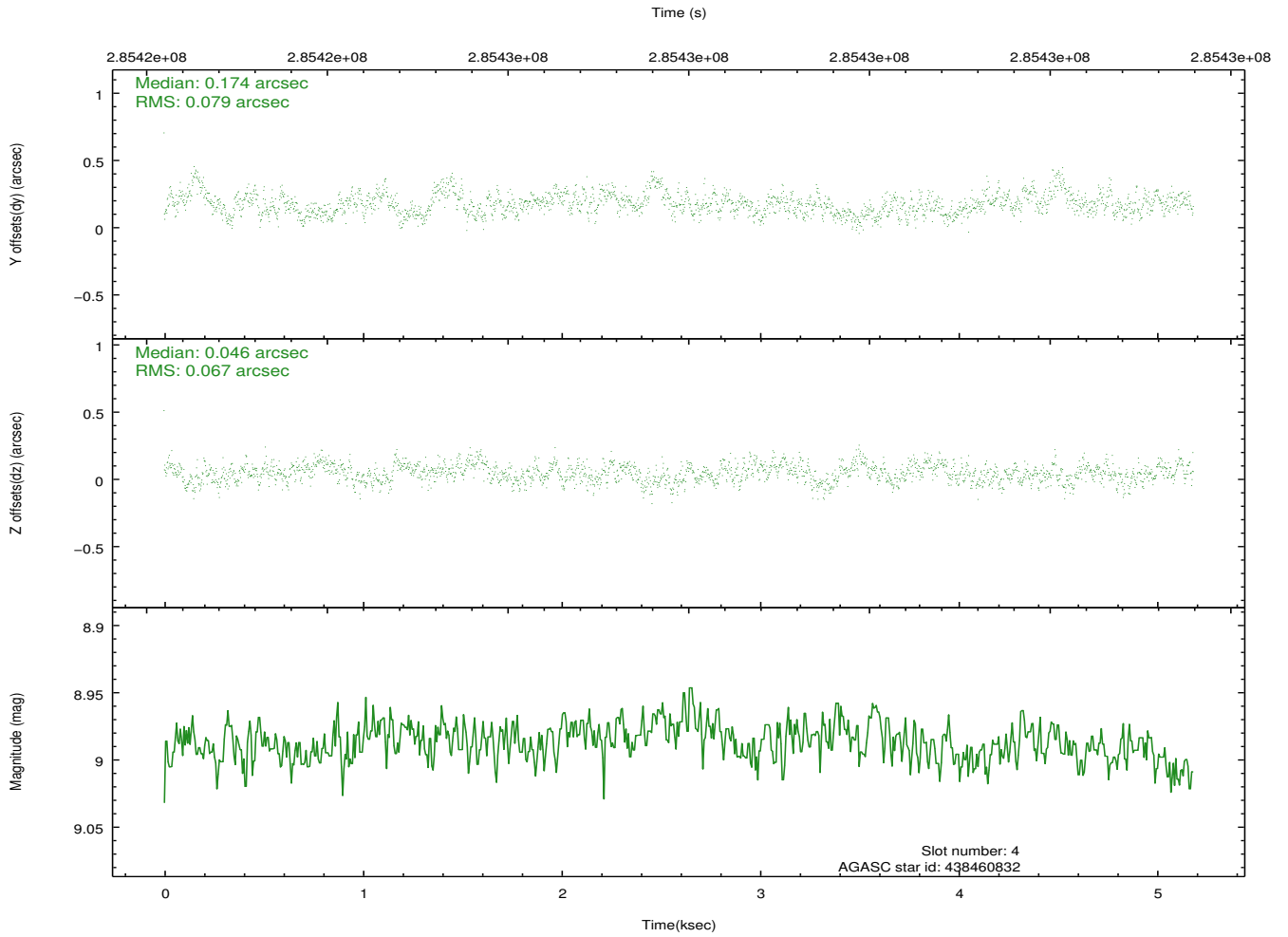
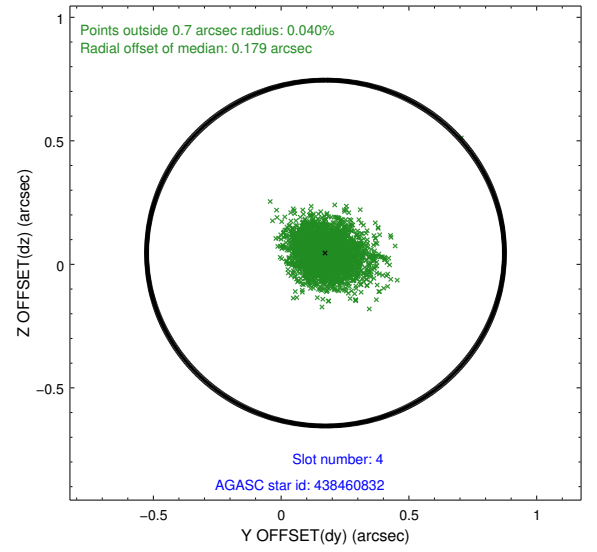
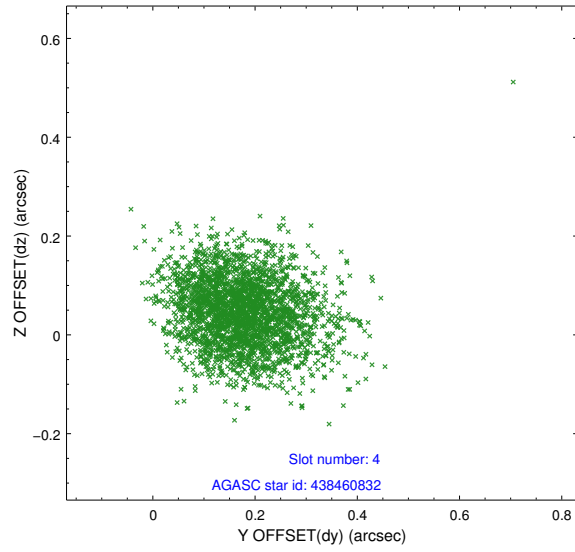
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	1265	0.100	-1.163	0.006	0.011	0.000000	0.000000	-767.54	-2040.86
1	FID	HRC-I-2	7.04	1265	-0.205	0.410	0.006	0.010	0.000000	0.000000	845.20	-2042.97
2	FID	HRC-I-3	7.15	1265	0.223	0.654	0.006	0.011	0.000000	0.000000	-1194.96	262.69
3	GUIDE	438455912	9.24	2527	0.218	-0.043	0.111	0.178	78.251946	45.690923	2019.27	-1603.54
4	GUIDE	438460832	8.99	2529	0.174	0.046	0.108	0.183	78.414614	45.554782	2304.14	-1031.82
5	GUIDE	440140240	9.98	2528	-0.178	0.050	0.150	0.253	78.889349	46.726437	-2031.89	-1661.38
6	GUIDE	440150048	7.14	2530	-0.197	-0.004	0.073	0.116	79.112838	46.416060	-1241.07	-699.17
7	GUIDE	440163960	8.88	2526	-0.026	-0.054	0.086	0.139	79.298370	45.827072	500.30	597.05

2.4 Star Slots

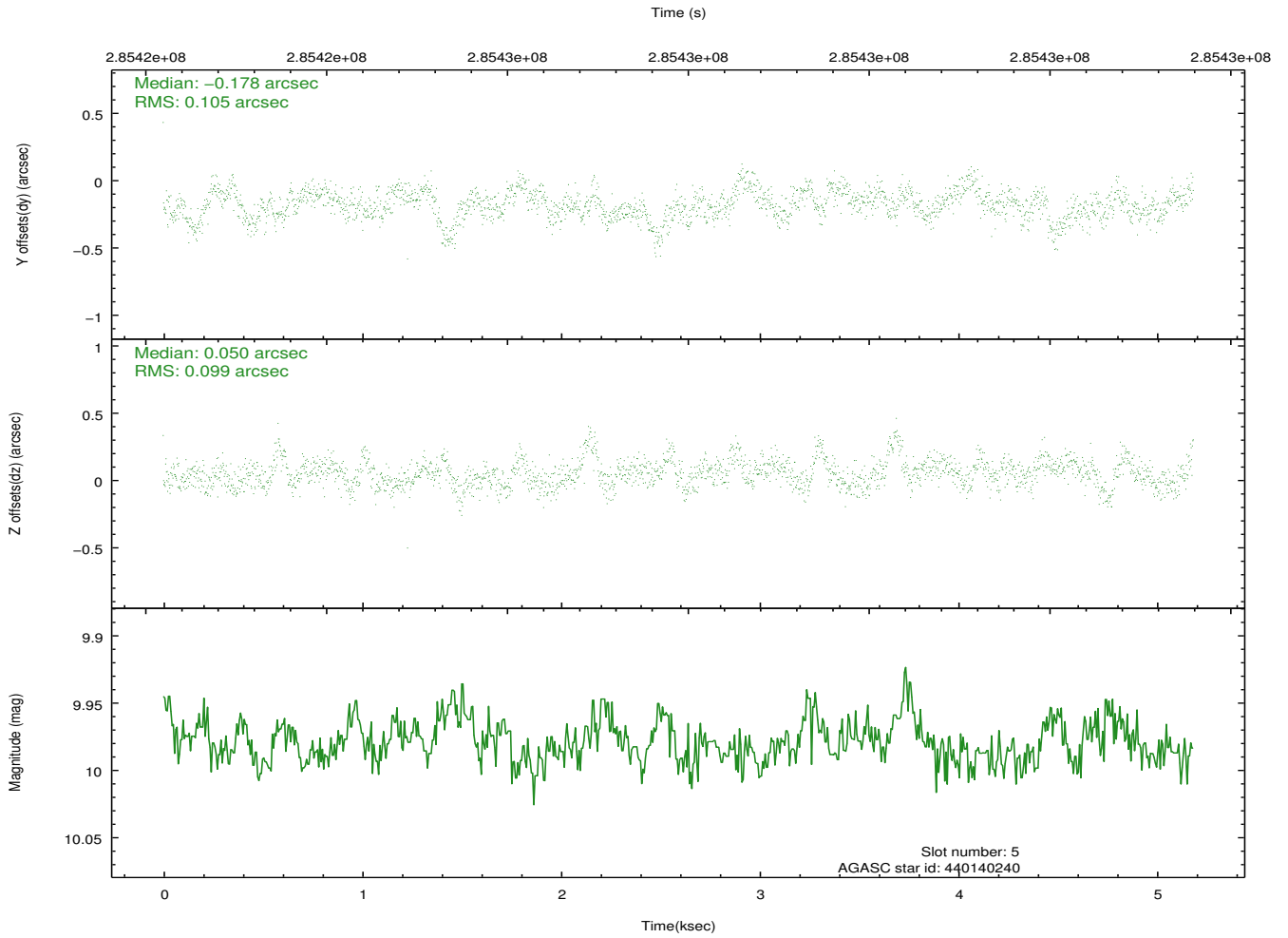
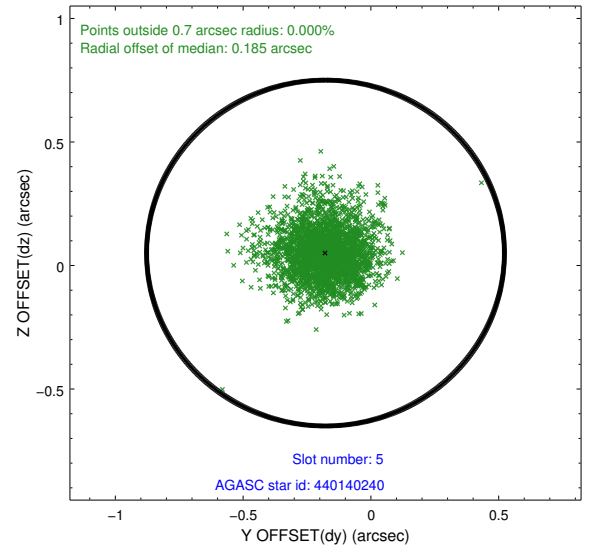
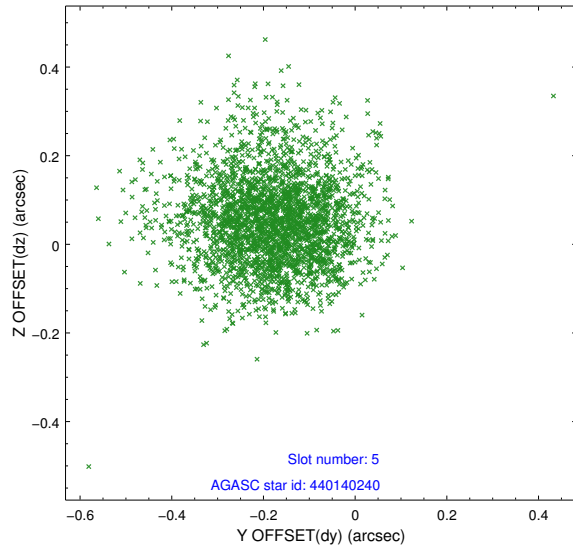
2.4.1 Slot 3



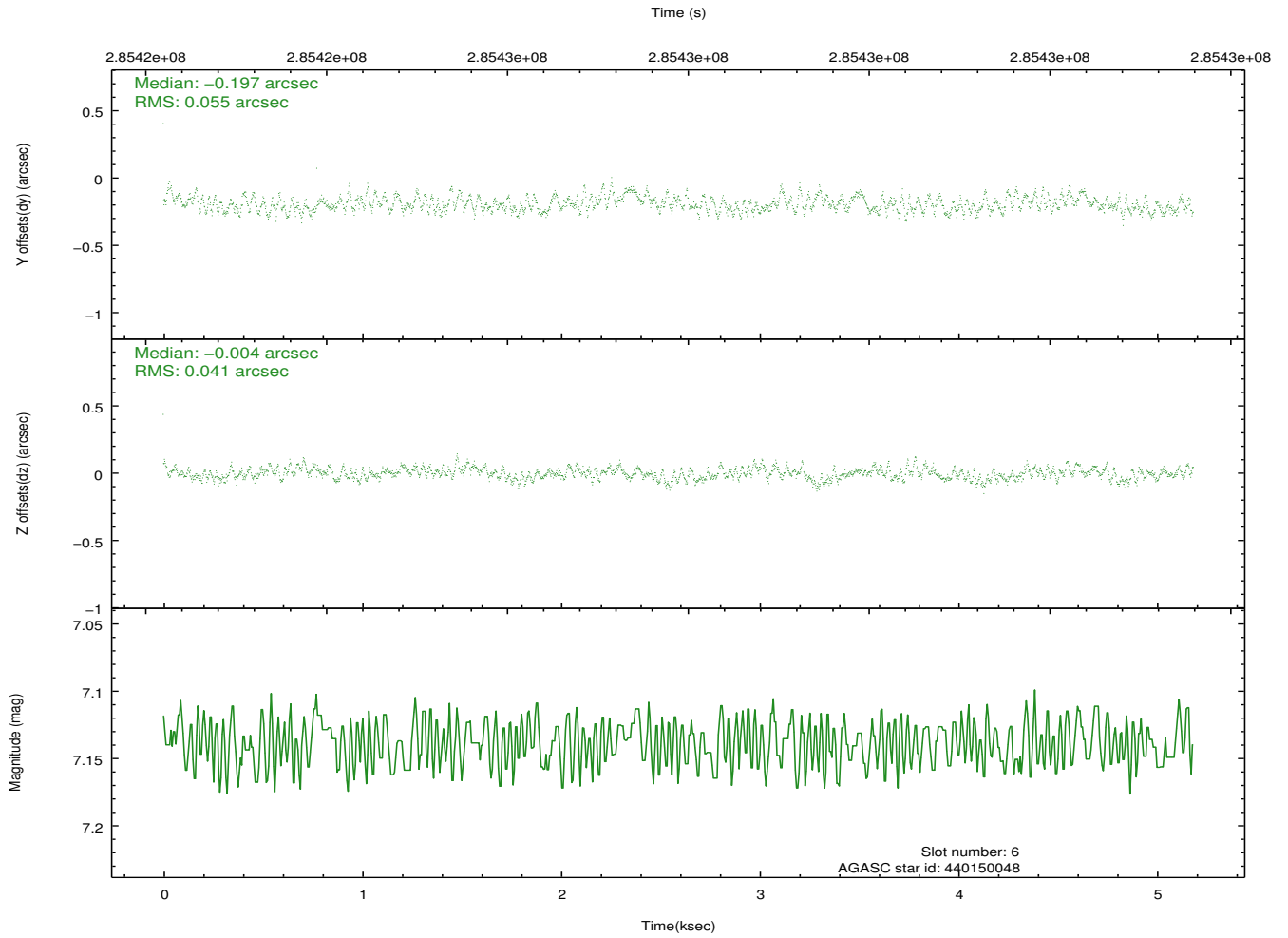
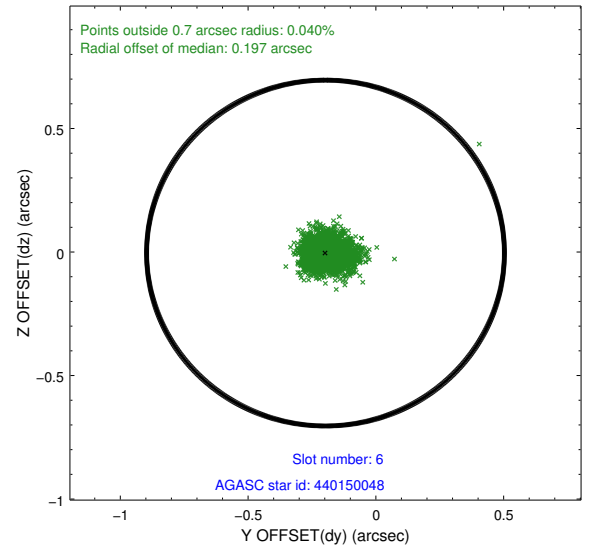
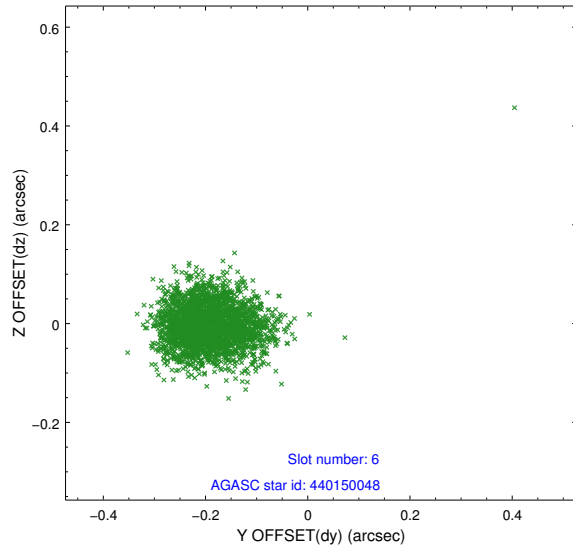
2.4.2 Slot 4



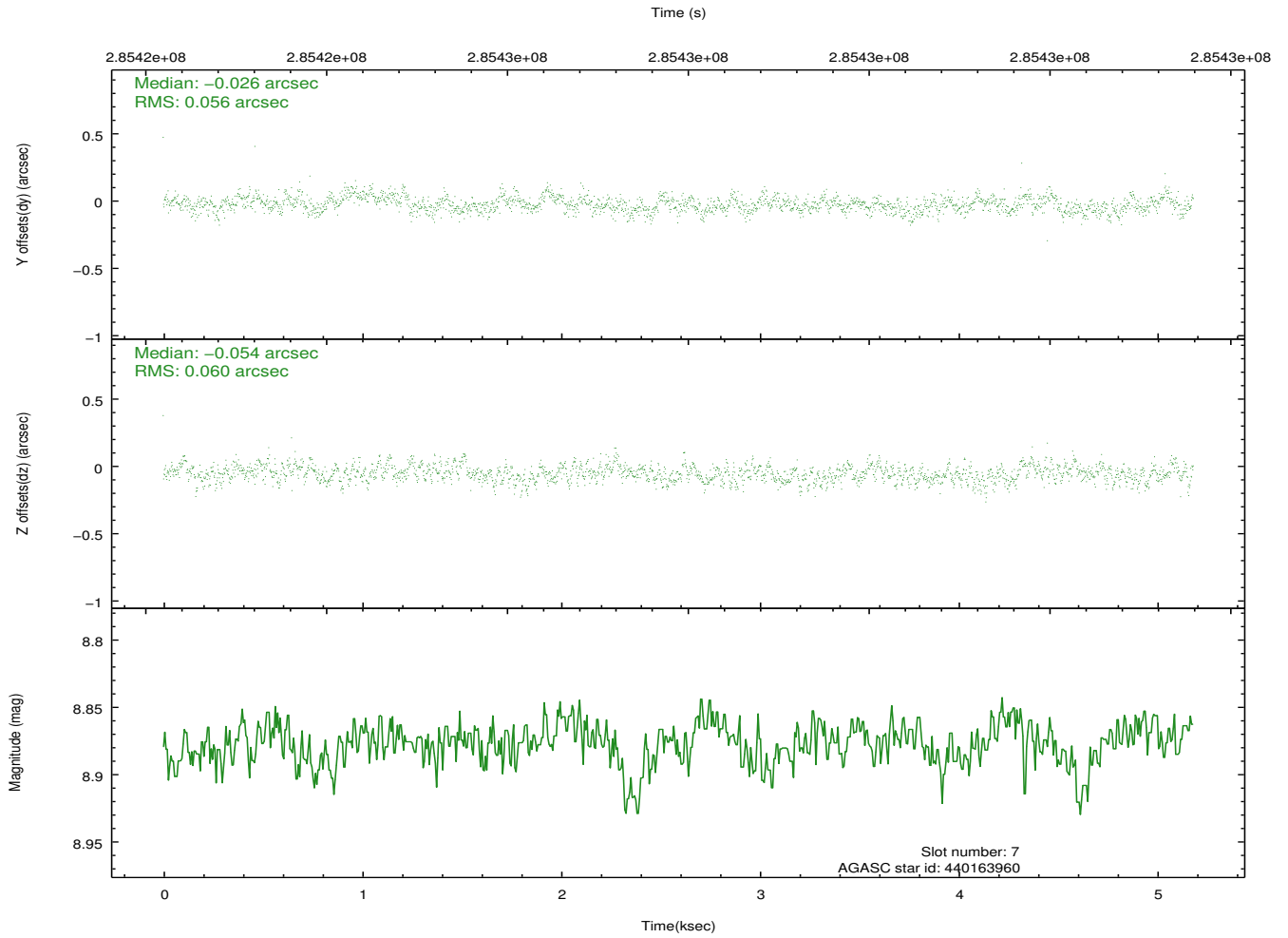
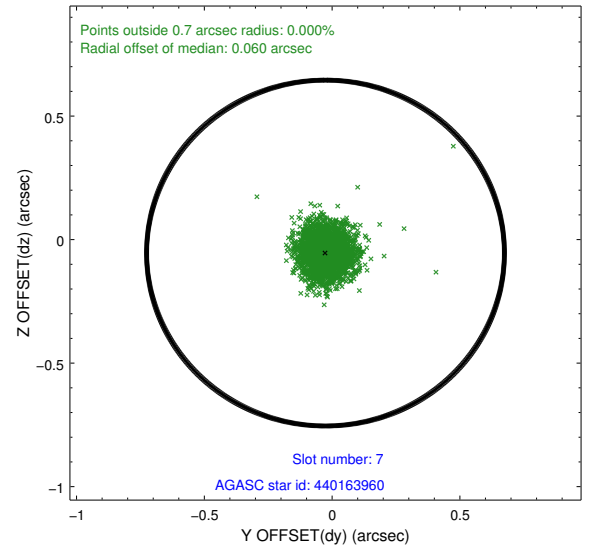
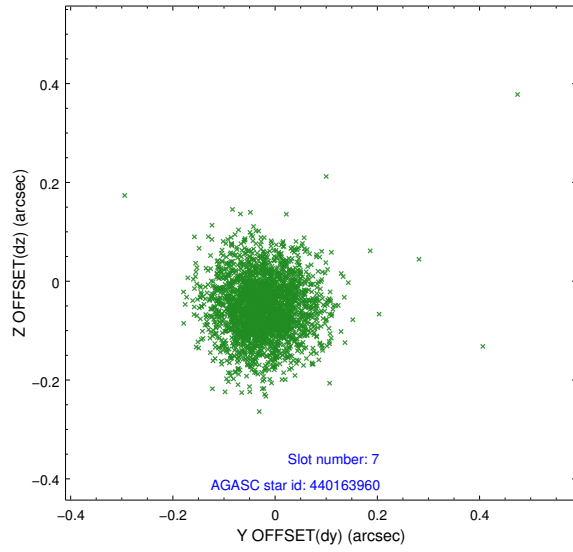
2.4.3 Slot 5



2.4.4 Slot 6

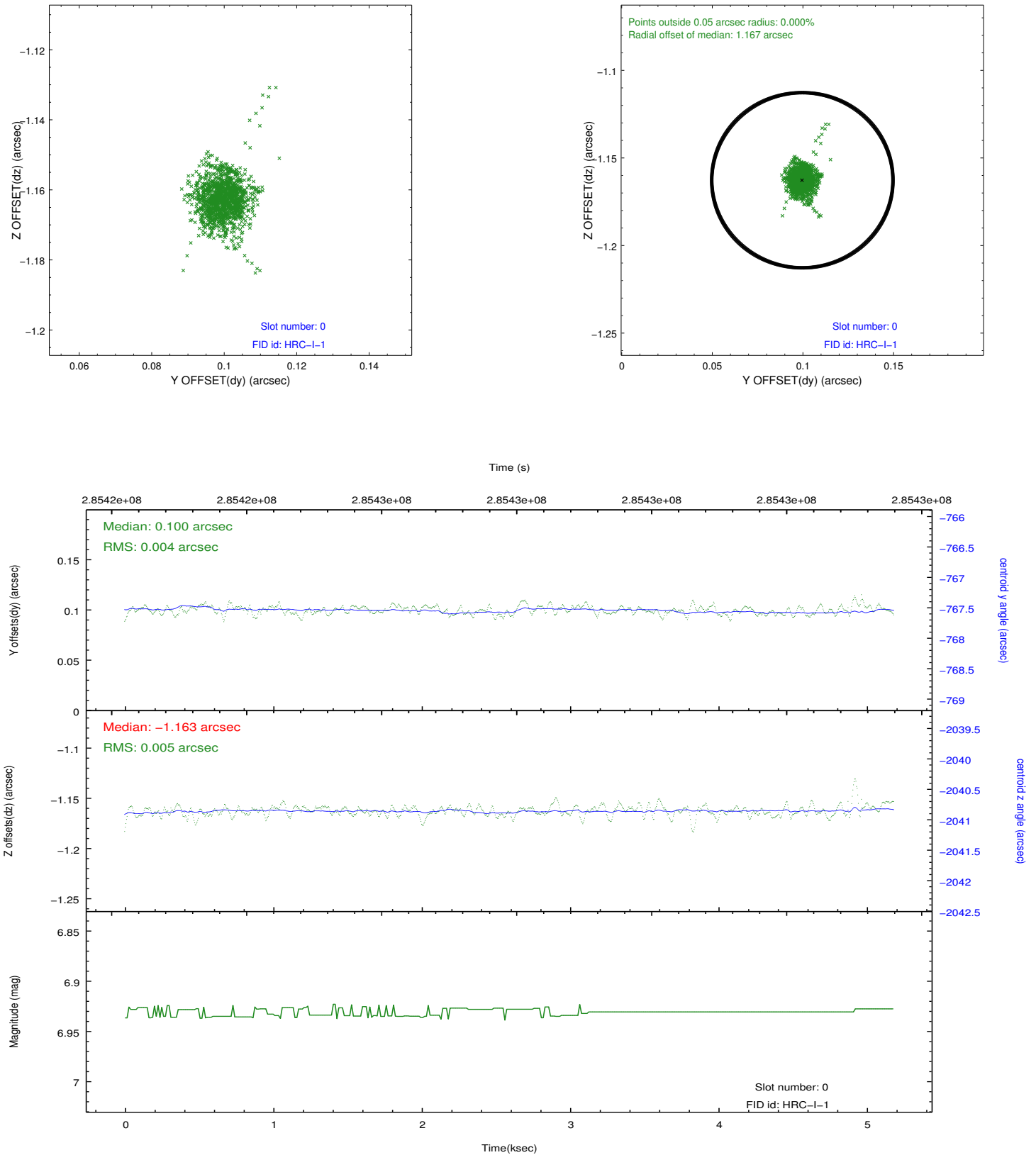


2.4.5 Slot 7

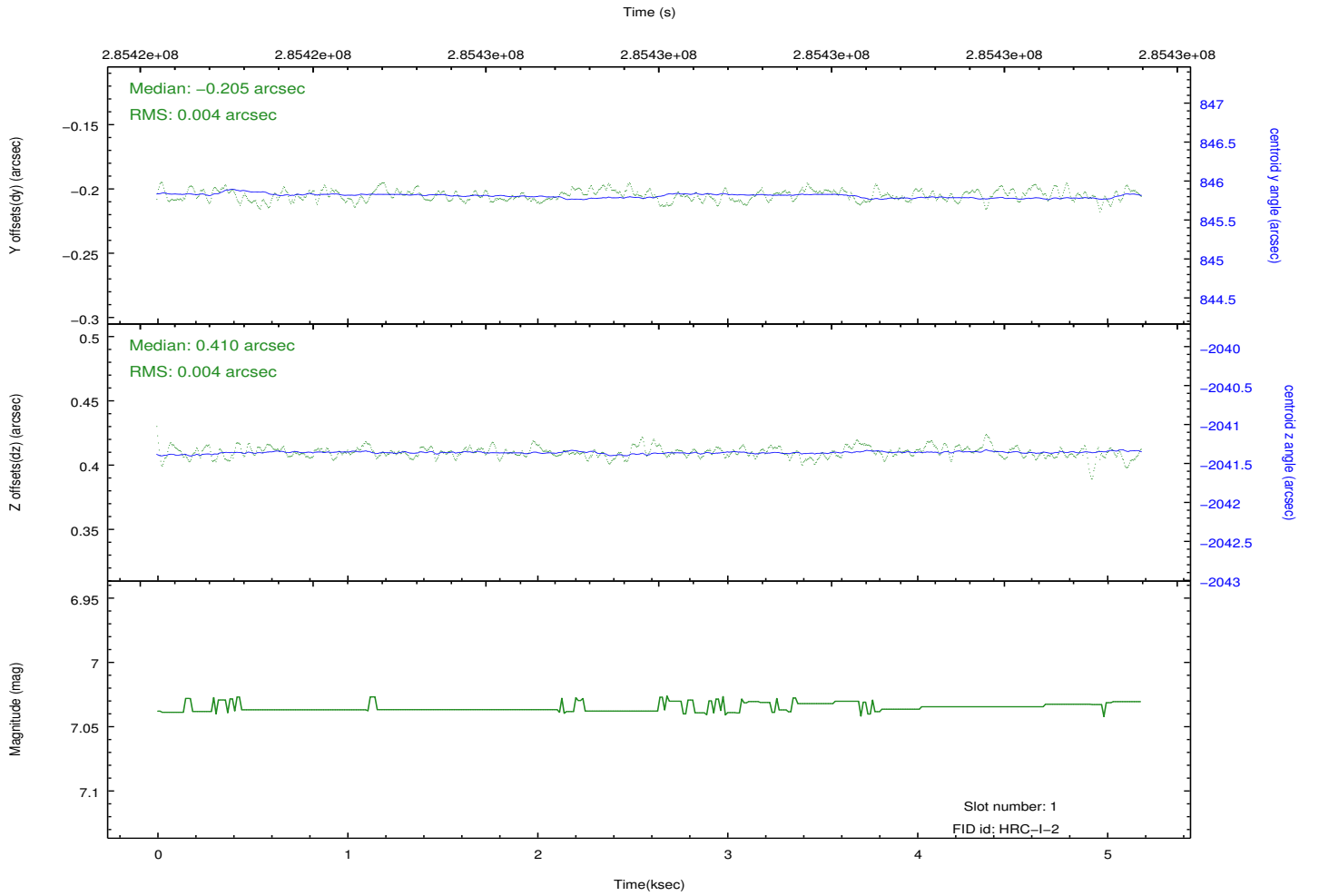
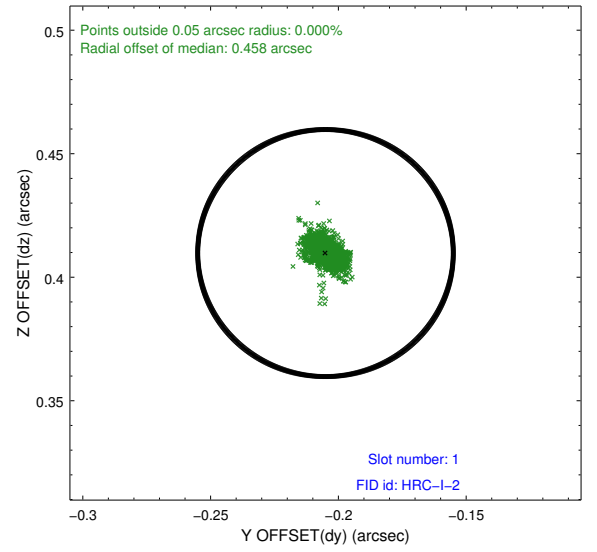
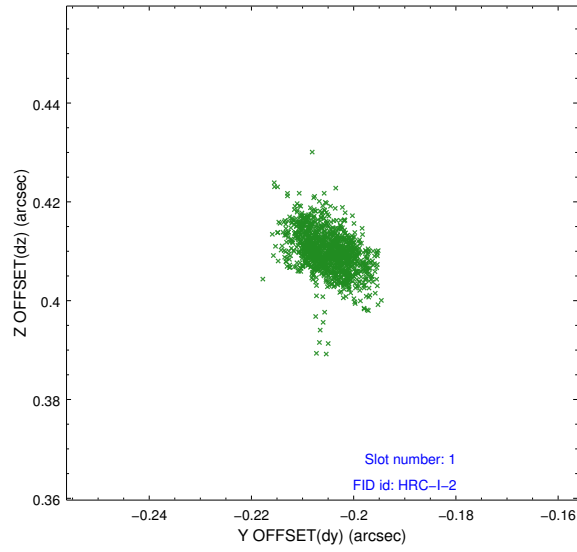


2.5 FID Slots

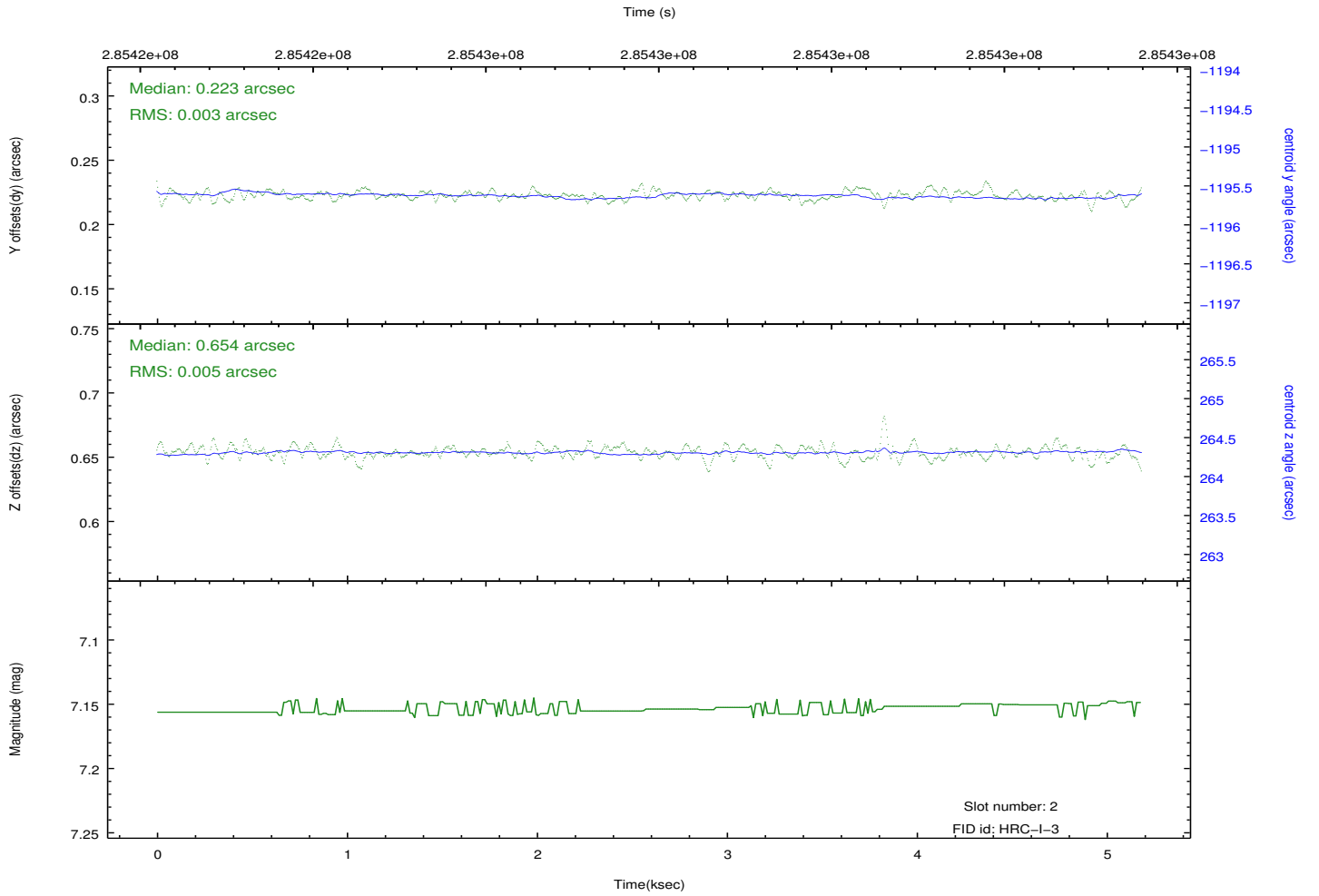
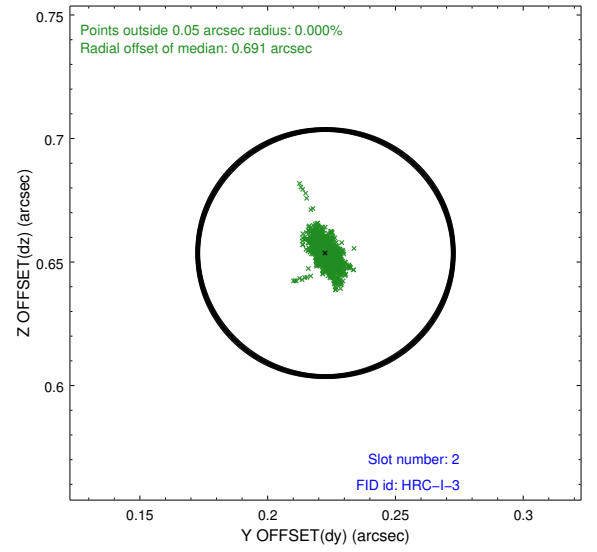
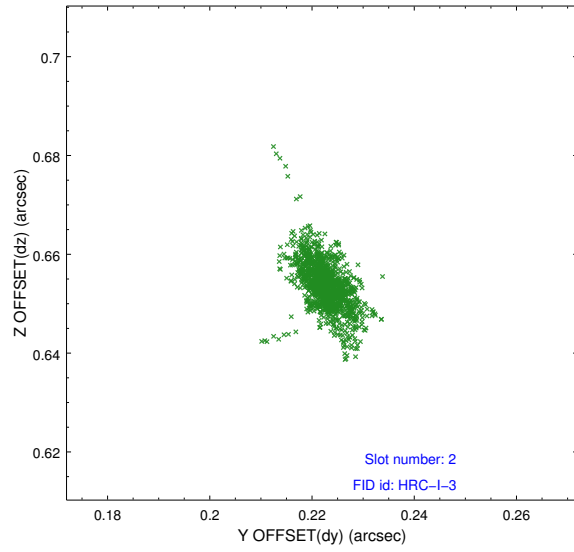
2.5.1 Slot 0



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	5.18368149

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.