

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6544 - L2 Version 4
Chandra X-Ray Center

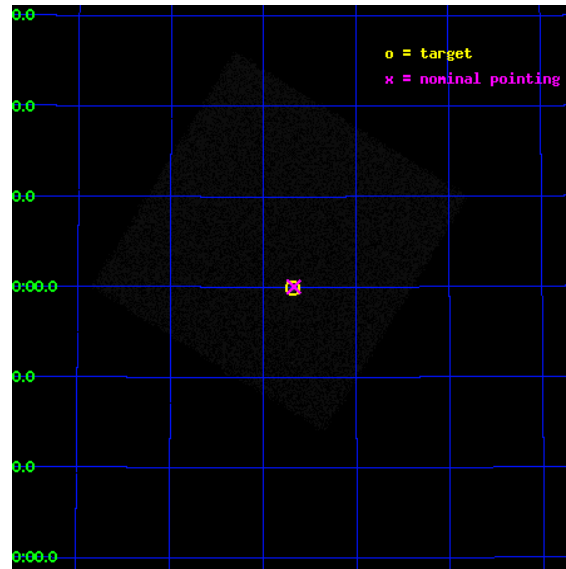
L2 Processing Date : Aug 10 2012

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1 Front

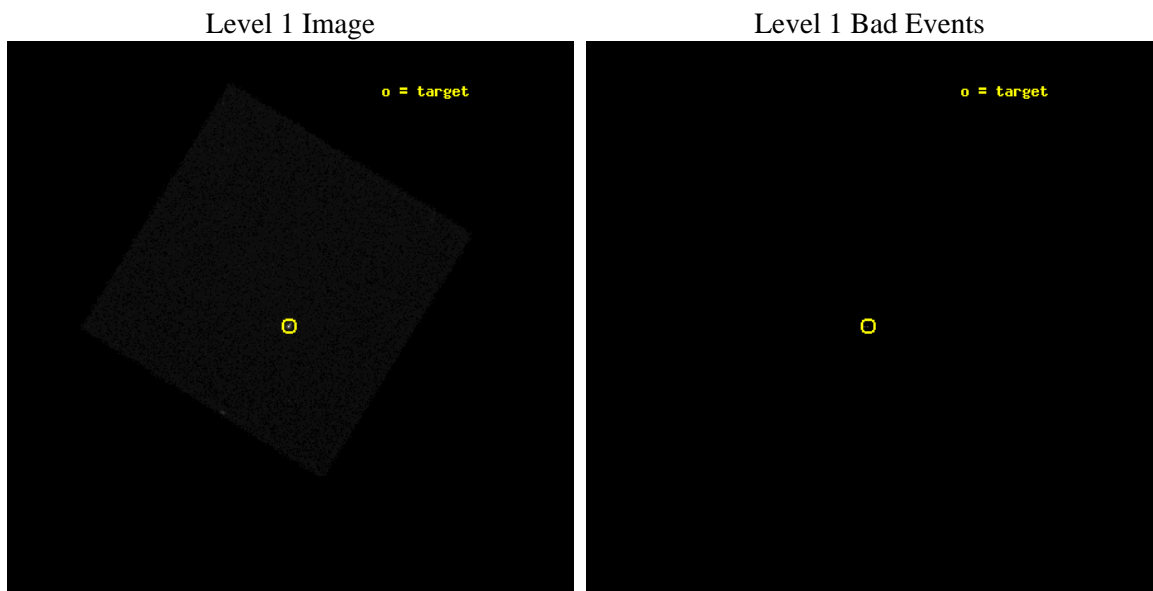
seq_num	290637	Sequence number
obs_id	6544	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.16800574069	Nominal RA [deg]
dec_nom	46.000471959342	Nominal Dec [deg]
roll_nom	166.63520236823	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5185.4752397537	[s]
livetime	5138.279061121	Ontime multiplied by DTCOR
l2events	326083	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	5185.4752397537	[s]
caldbver	4.5.1.1	 	l1events	452035	Number of level 1 events
date	2012-08-10T18:07:08	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

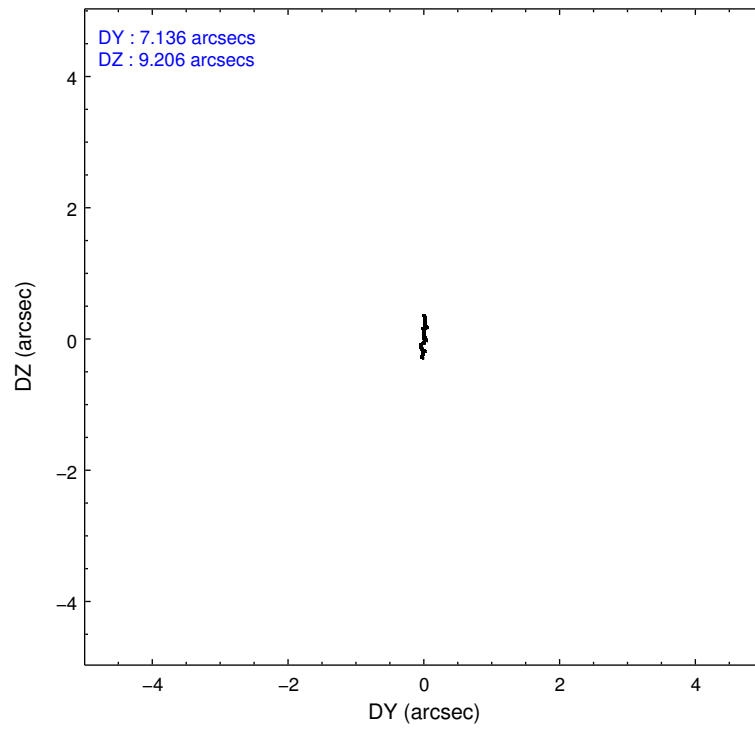
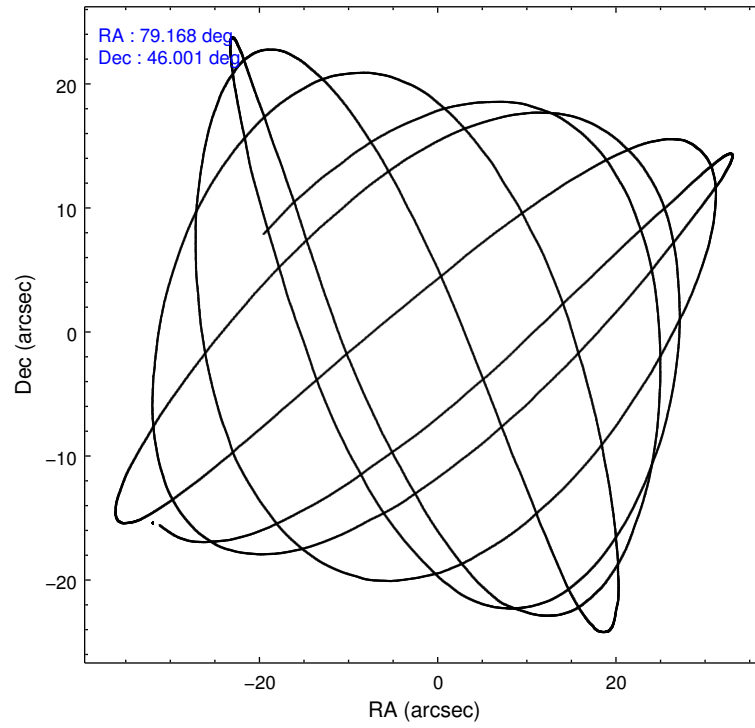
	segment 0
level 1 events	452035
rejected events	19230
rejected %	4%

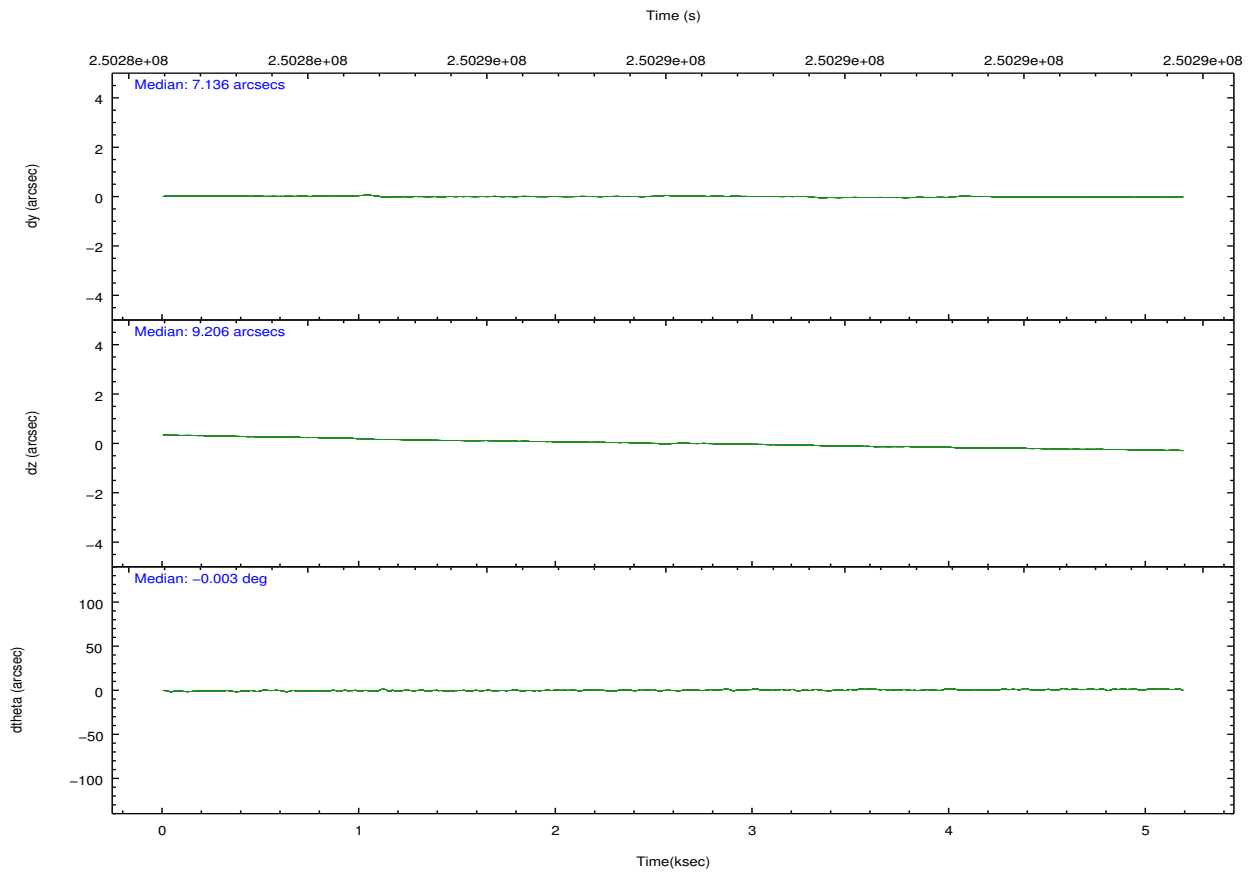
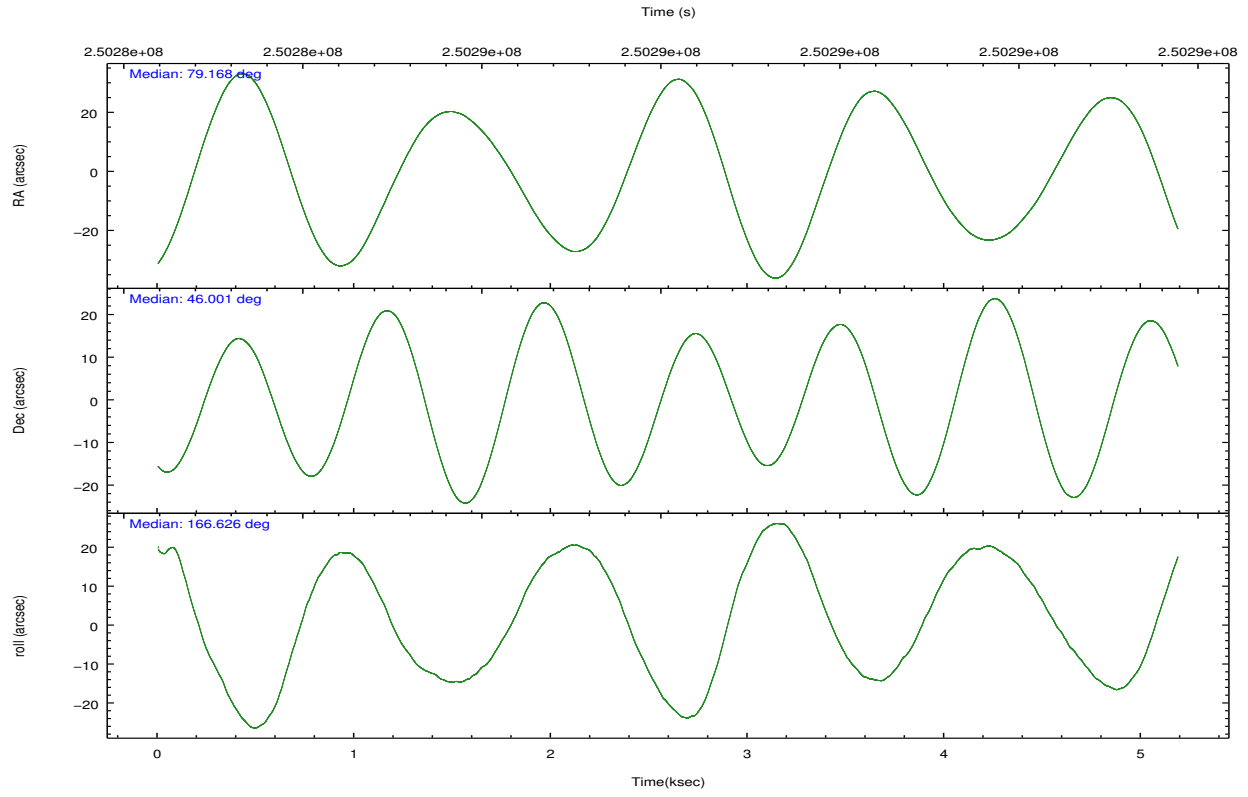
2.2 Compared Parameters

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	79.204775	79.16800574069001
[deg] Pointing Dec	46.008794	46.00047195934211
[deg] Pointing Roll	166.704238	166.6352023682254
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	141.985494	141.9884137096963
[mm] SIM translation stage offset	-15	-15.00292481809475
[s] Observation start time (MET)	250284640.184000	250284263.89022
Observation start date	2005-12-06T19:29:36	2005-12-06T19:24:23
[s] Observation end time (MET)	250289640.184000	250290650.15302
Observation end date	2005-12-06T20:52:56	2005-12-06T21:10:50

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

2.3 Aspect



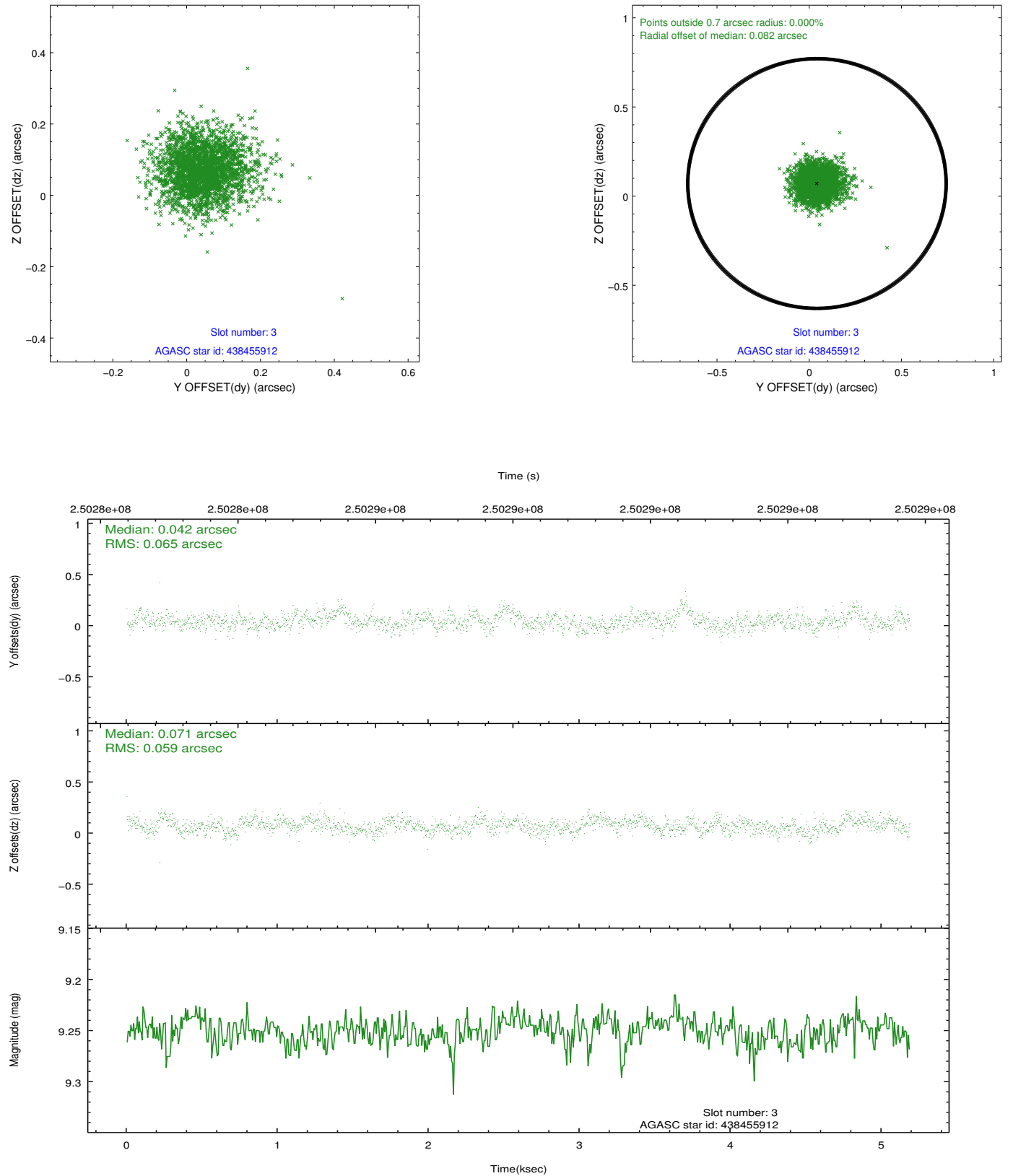


Slot Statistics

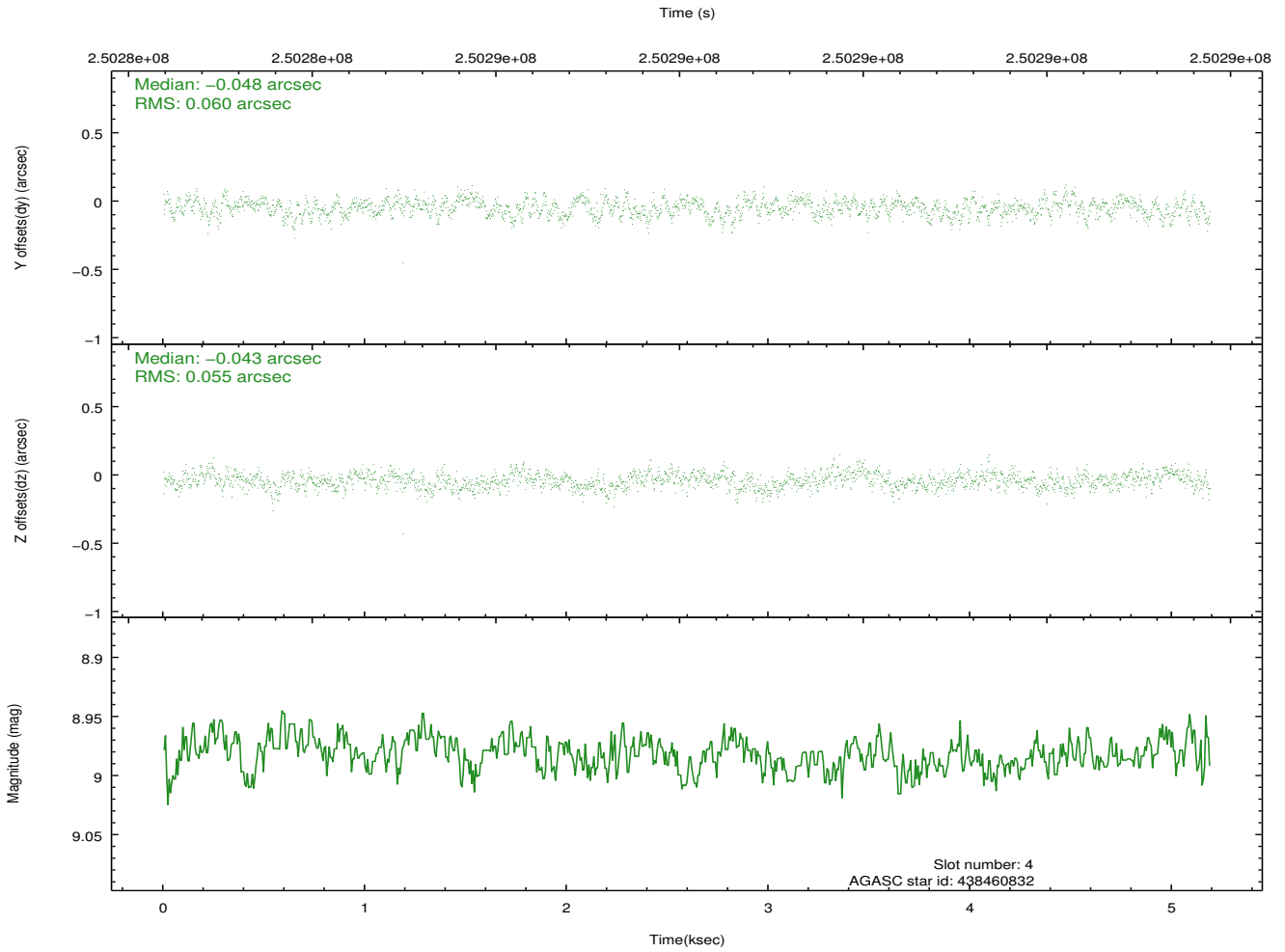
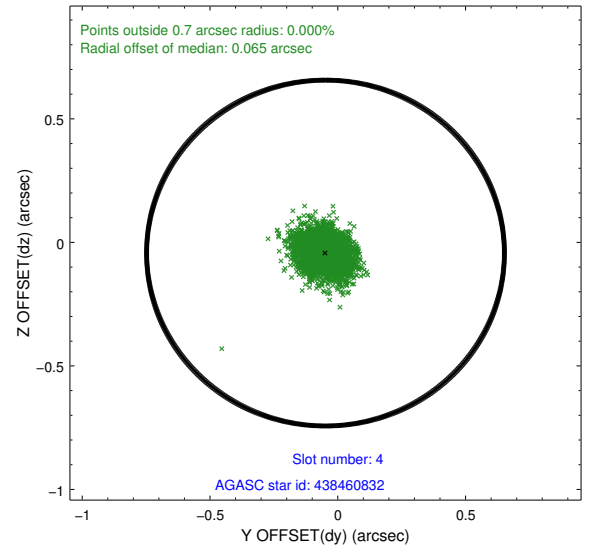
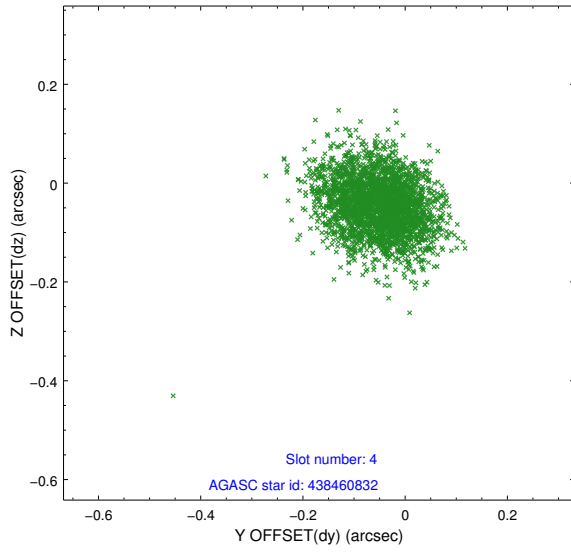
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1265	0.175	-0.706	0.009	0.013	0.000000	0.000000	-762.79	-1605.47
1	FID	HRC-I-2	7.06	1265	-0.113	0.129	0.009	0.015	0.000000	0.000000	849.82	-1608.17
2	FID	HRC-I-3	7.13	1265	0.057	0.485	0.009	0.016	0.000000	0.000000	-1190.32	697.89
3	GUIDE	438455912	9.25	2530	0.042	0.071	0.094	0.152	78.251946	45.690923	2072.97	1651.56
4	GUIDE	438460832	8.98	2529	-0.048	-0.043	0.085	0.137	78.414614	45.554782	1566.45	2040.50
5	GUIDE	440140240	9.98	2524	-0.087	0.052	0.143	0.235	78.889349	46.726437	1354.26	-2335.39
6	GUIDE	440150048	7.15	2531	0.024	-0.007	0.069	0.117	79.112838	46.416060	561.28	-1375.02
7	GUIDE	440163960	8.88	2529	0.064	-0.065	0.079	0.131	79.298370	45.827072	-377.57	582.09

2.4 Star Slots

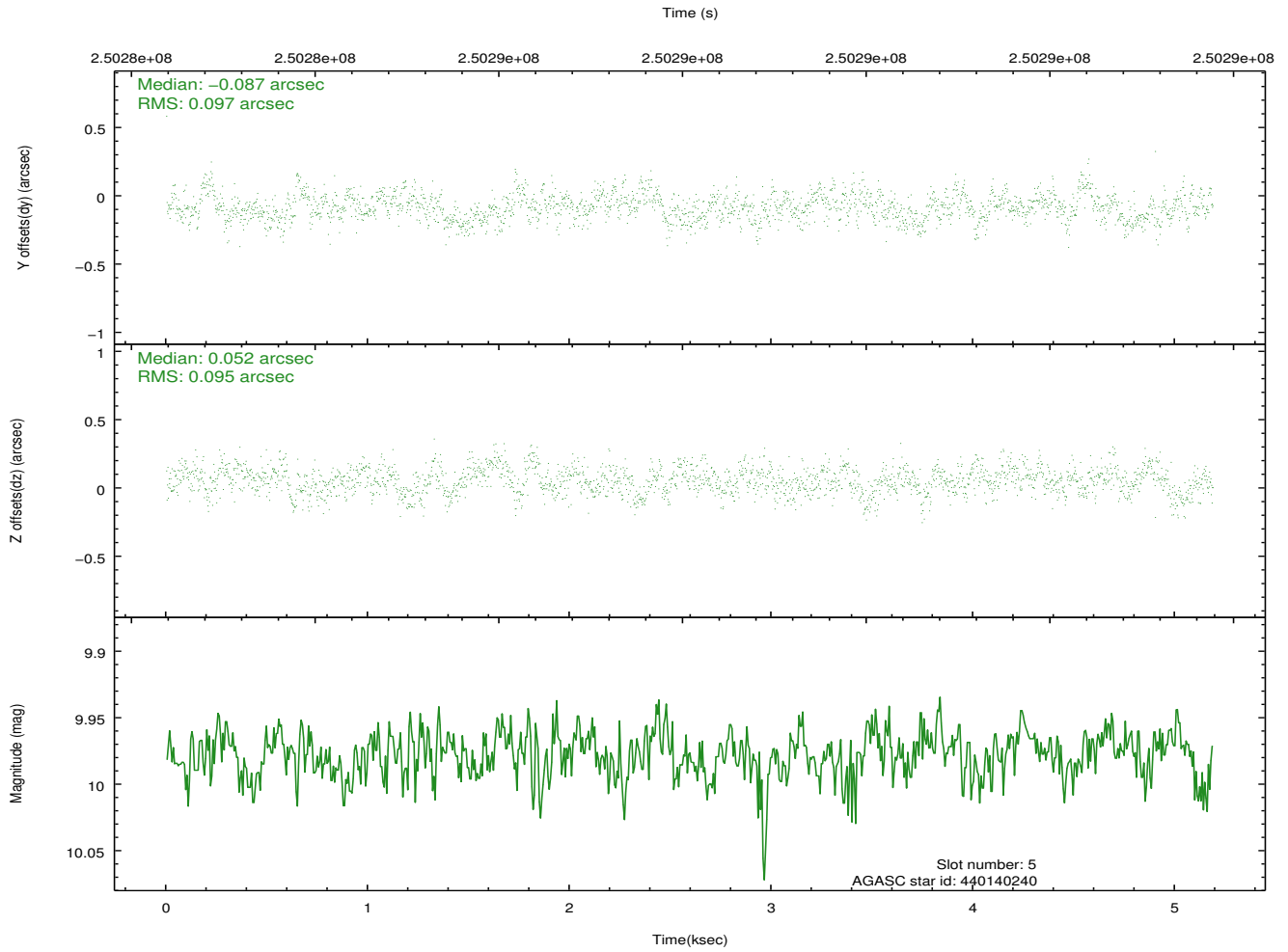
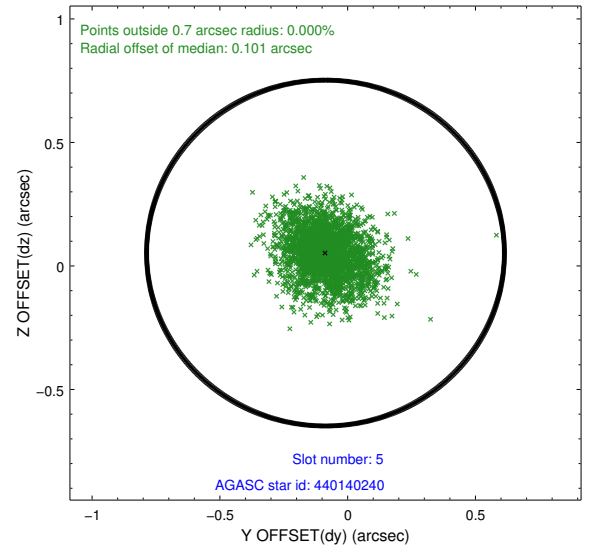
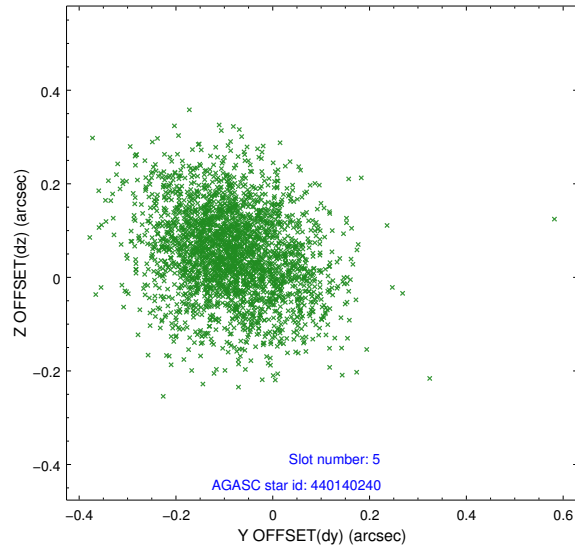
2.4.1 Slot 3



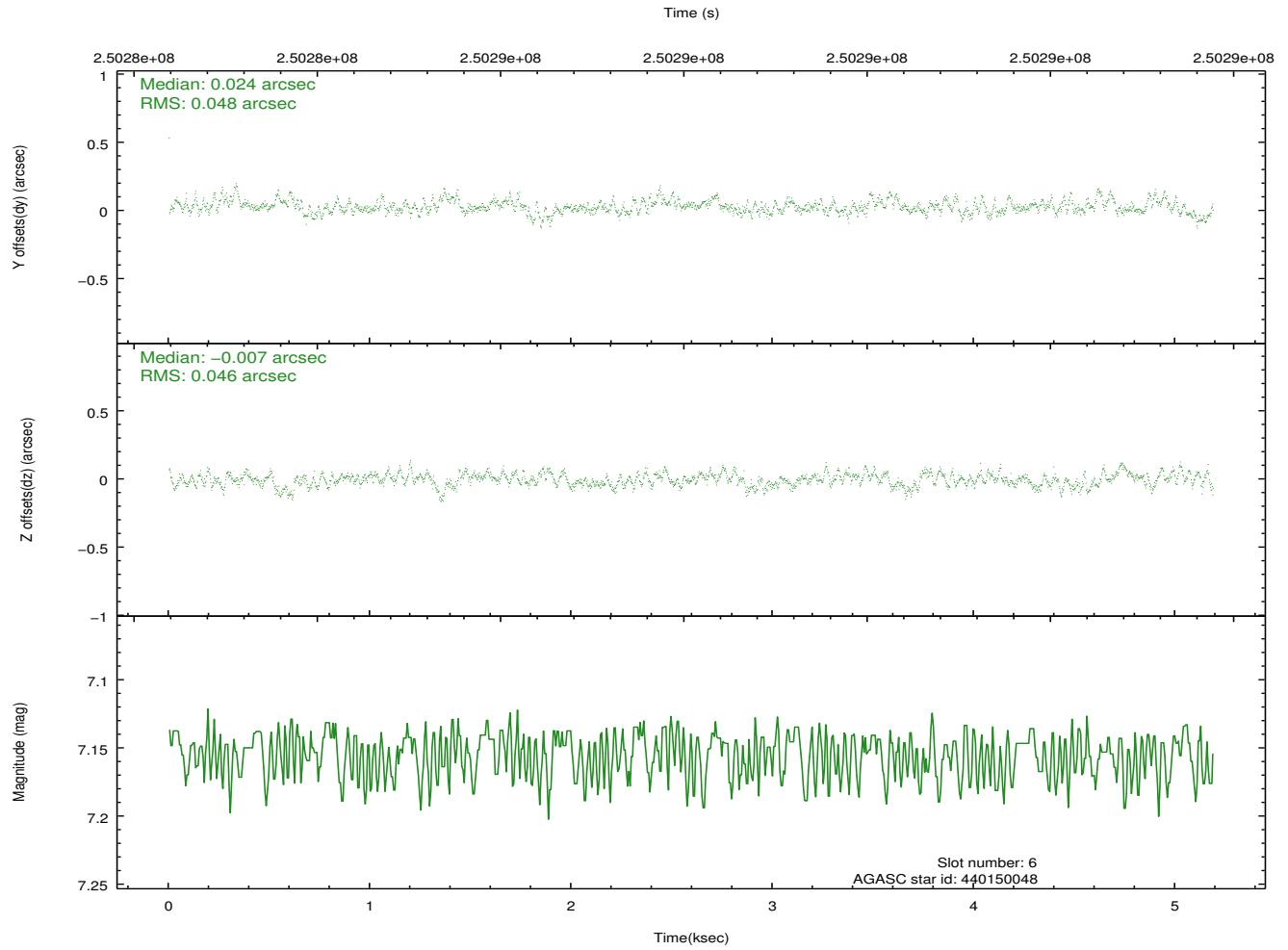
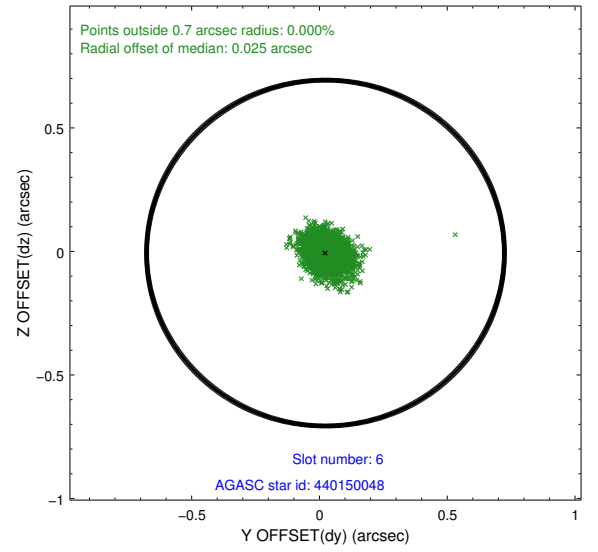
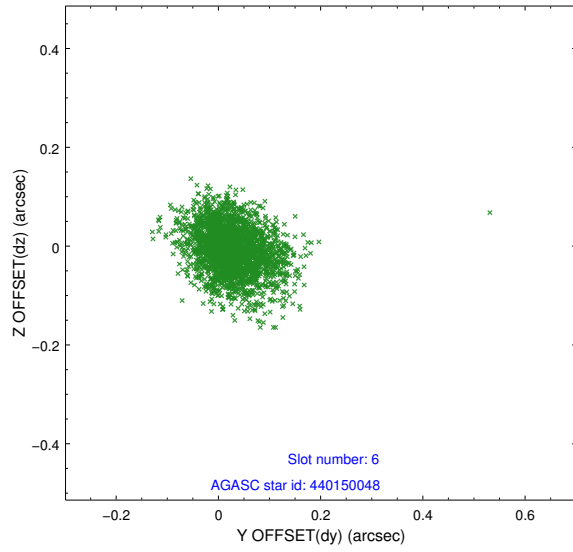
2.4.2 Slot 4



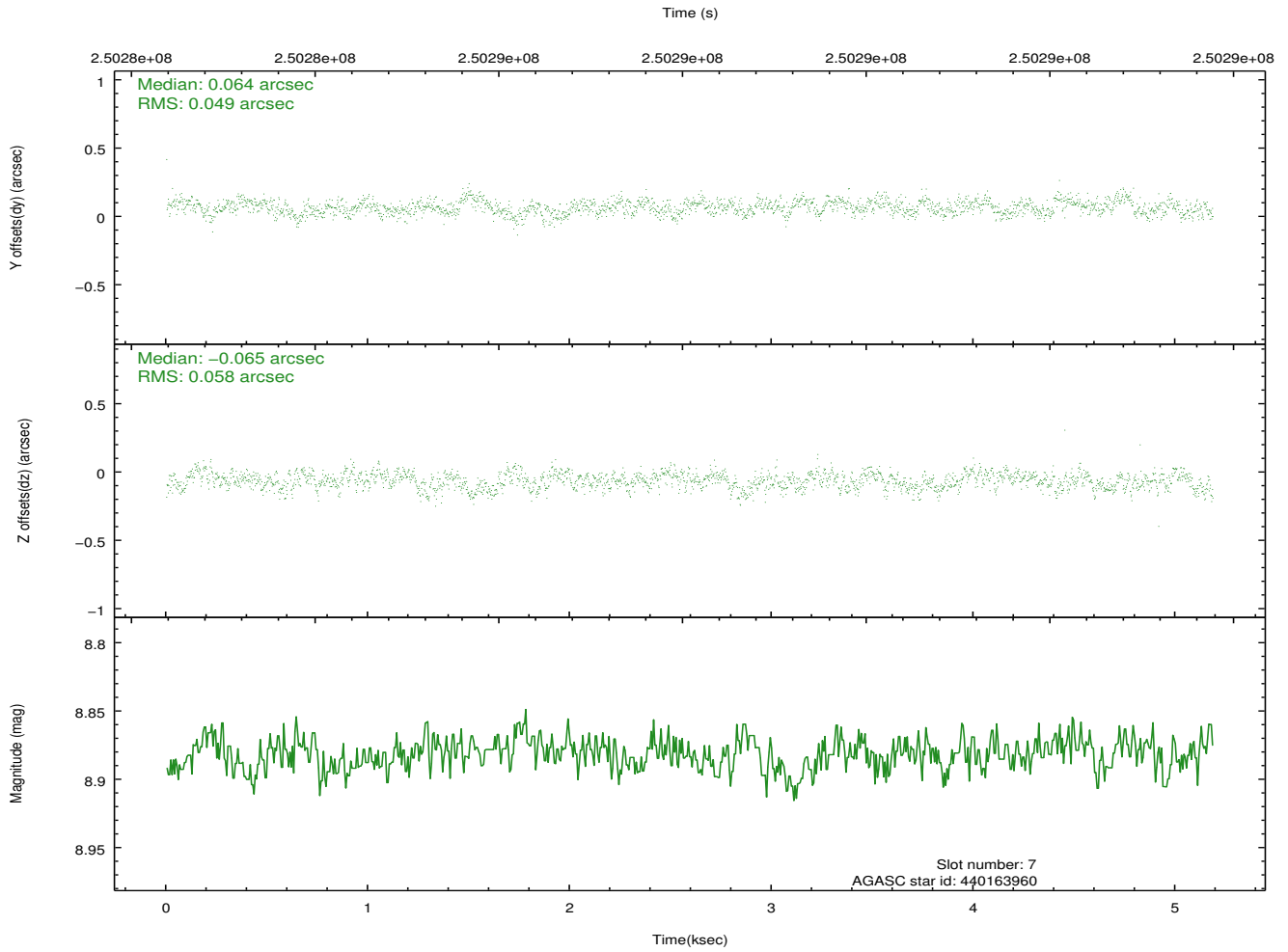
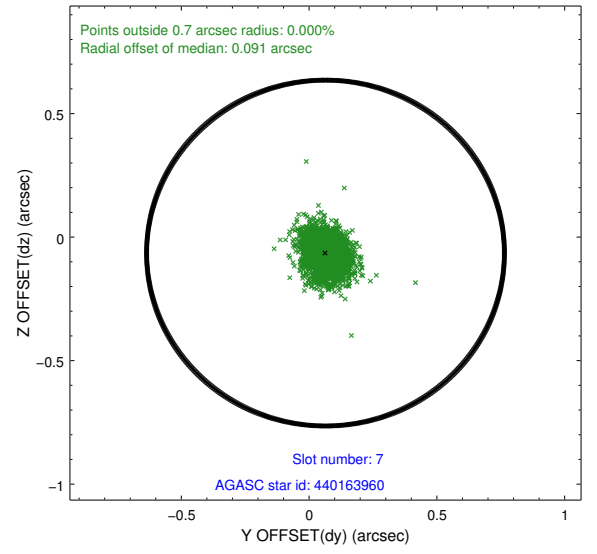
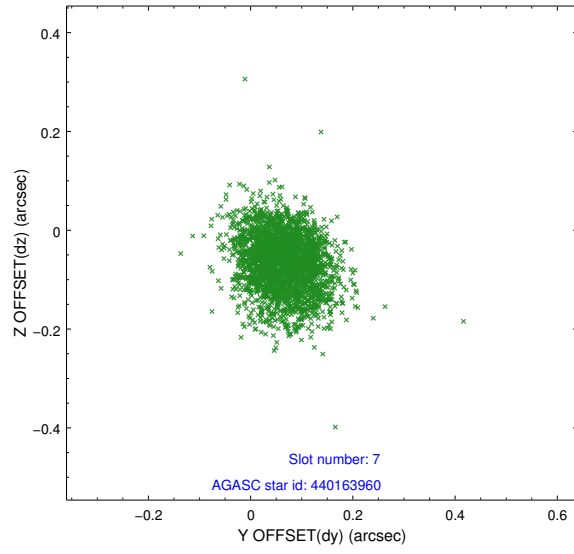
2.4.3 Slot 5



2.4.4 Slot 6

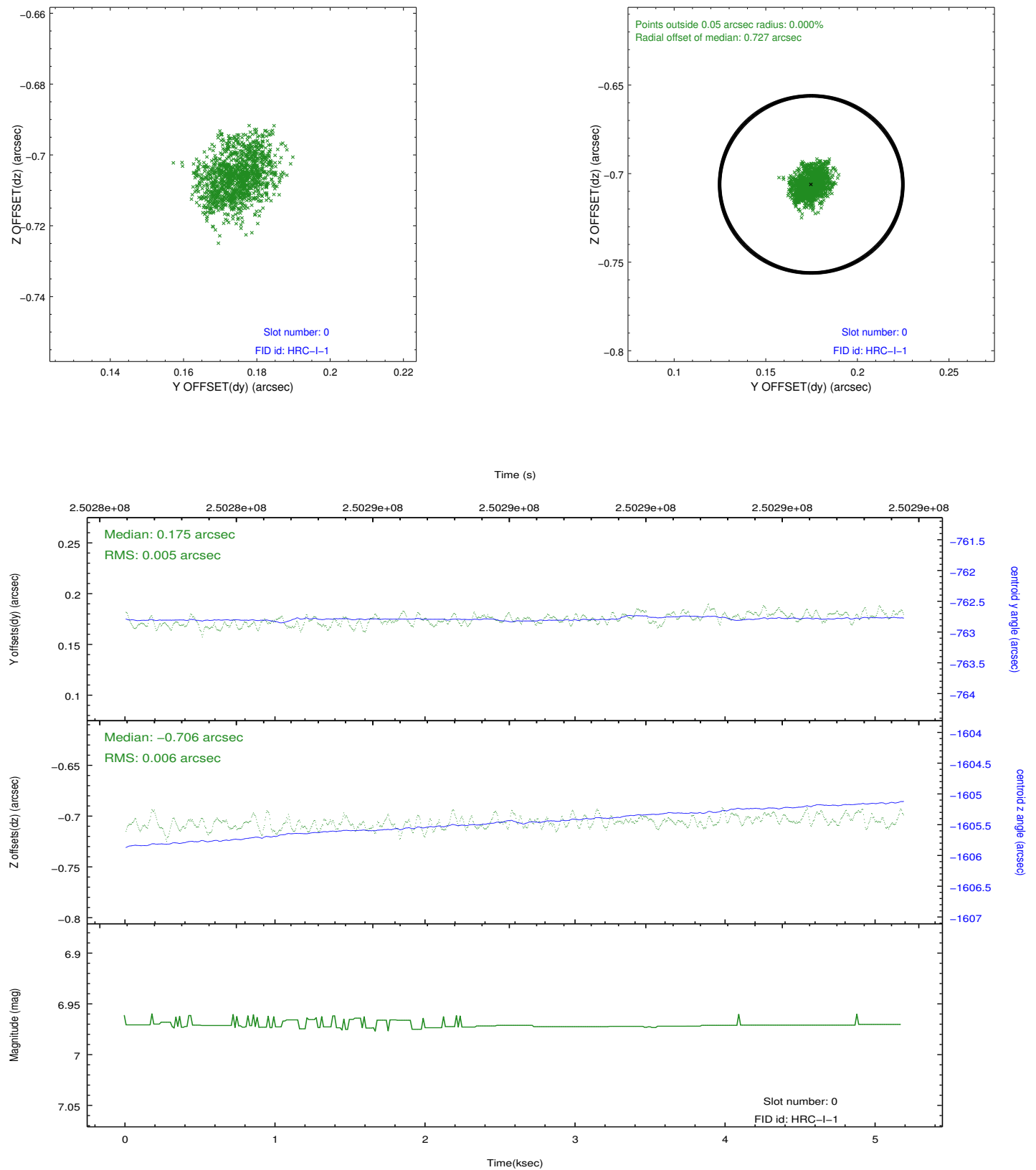


2.4.5 Slot 7

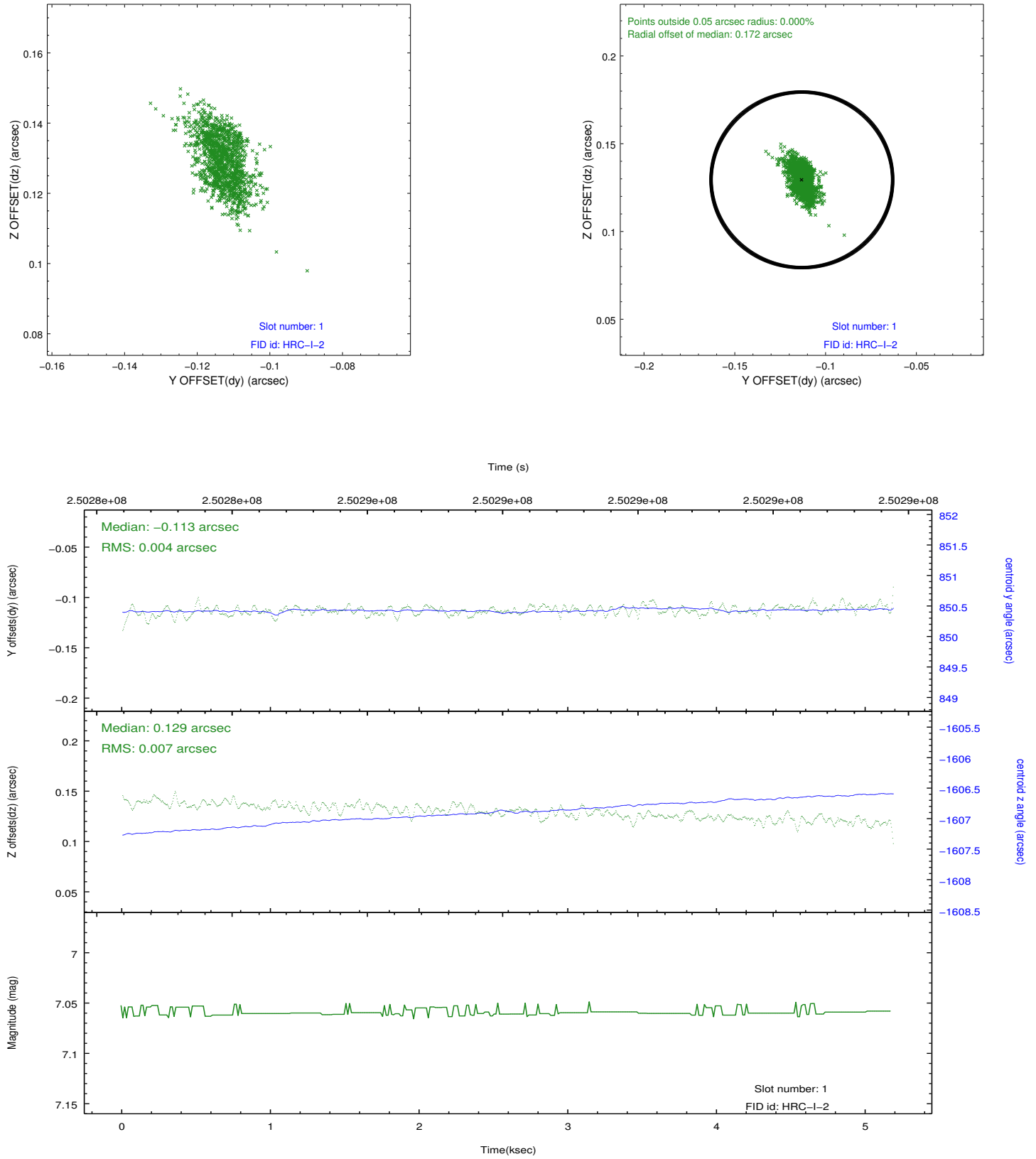


2.5 FID Slots

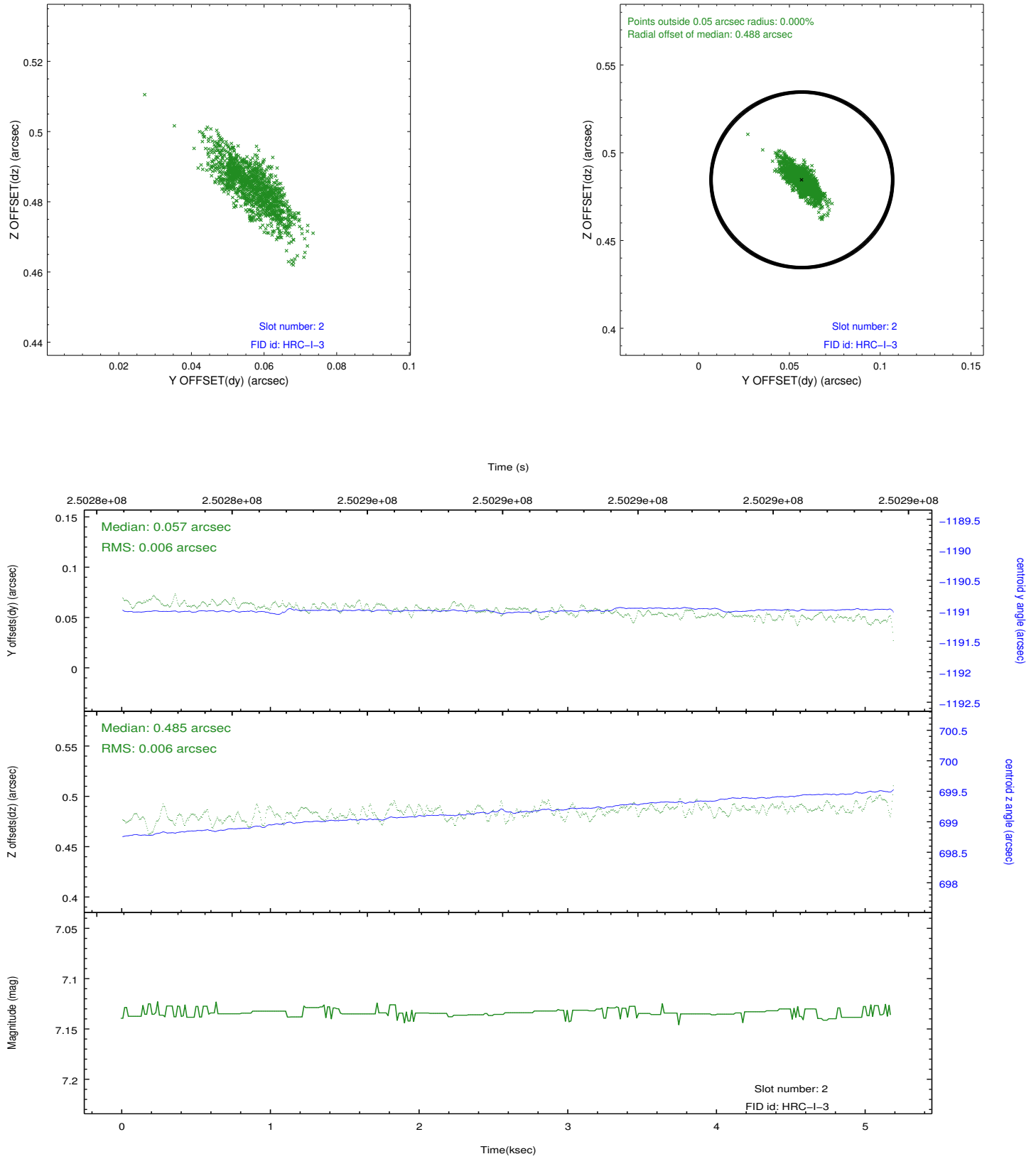
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.185218

A.2 Comments

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges.