

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8350 - L2 Version 5
Chandra X-Ray Center

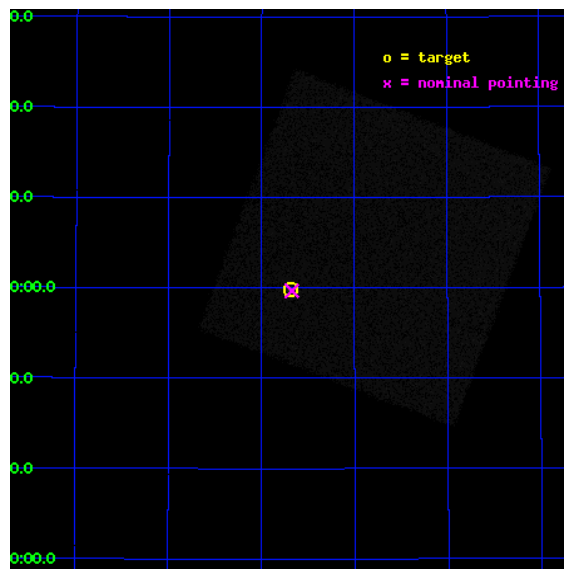
L2 Processing Date : Aug 11 2012

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1 Front

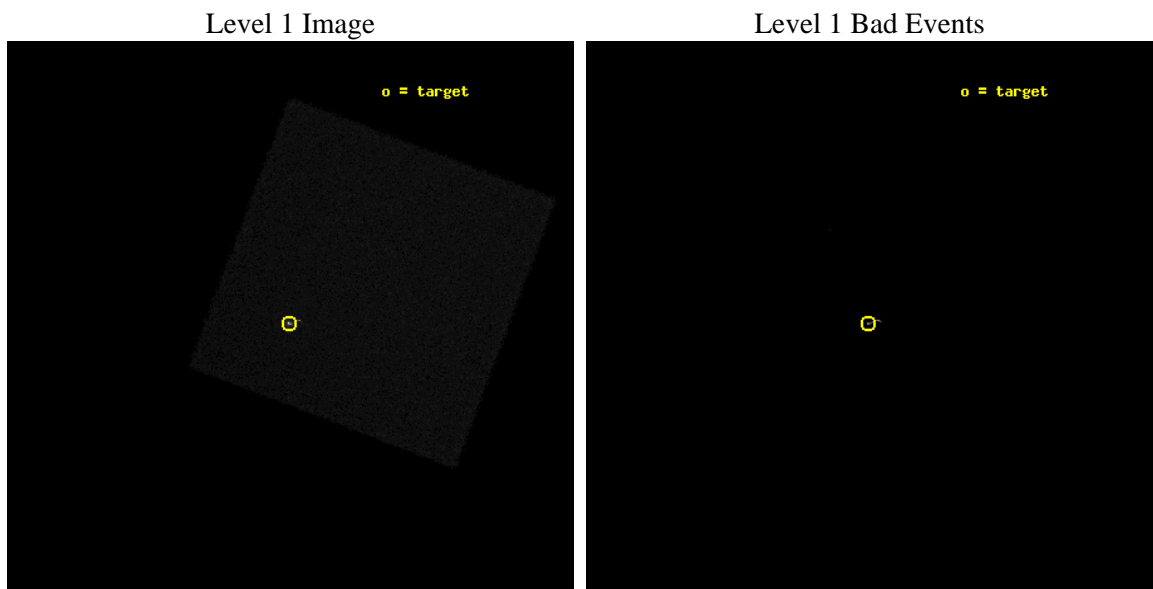
seq_num	290729	Sequence number
obs_id	8350	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168245964019	Nominal RA [deg]
dec_nom	45.9949096962	Nominal Dec [deg]
roll_nom	245.71747779785	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5183.6814957261	[s]
livetime	5129.7195957779	Ontime multiplied by DTCOR
l2events	364726	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	525520	Number of level 1 events
date	2012-08-11T16:51:42	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

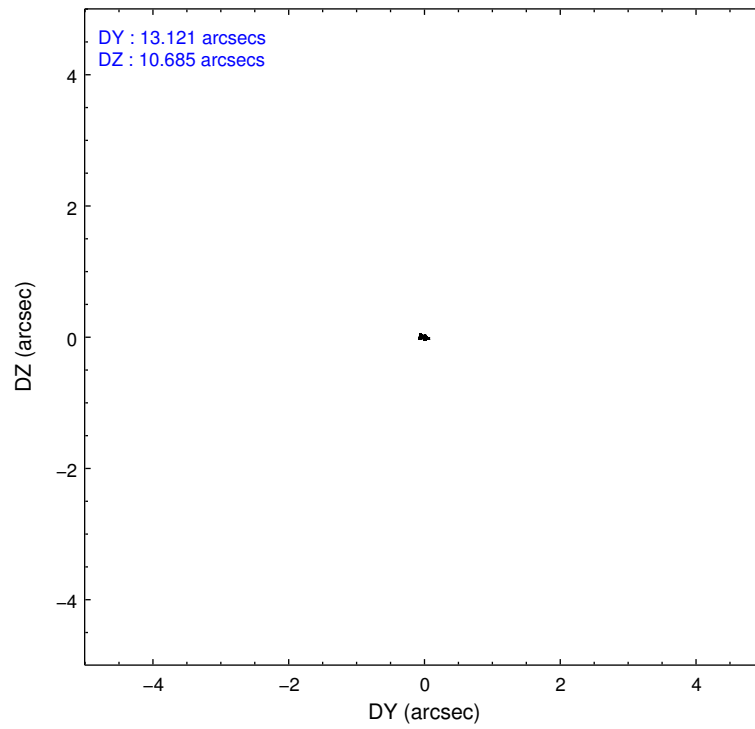
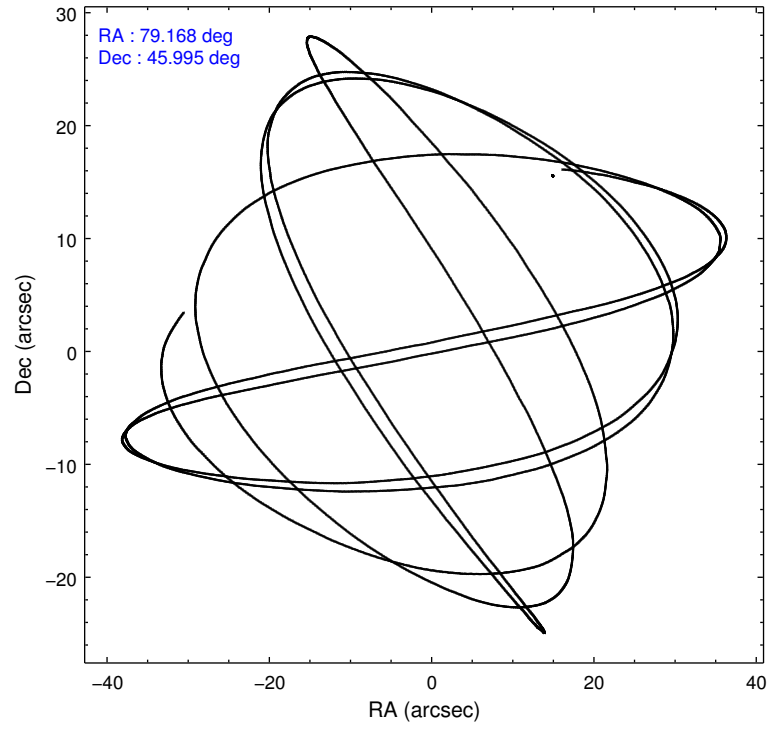
	segment 0
level 1 events	525520
rejected events	30861
rejected %	5%

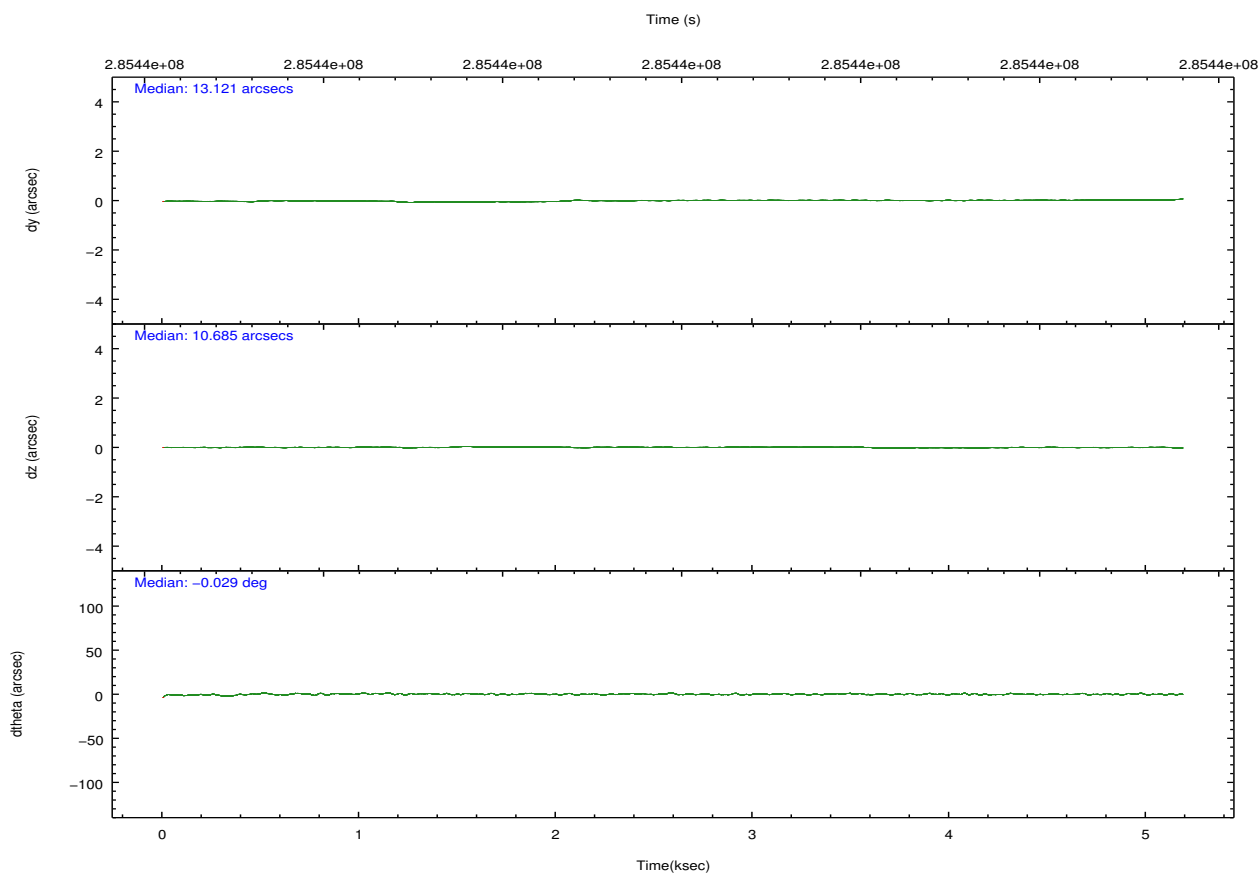
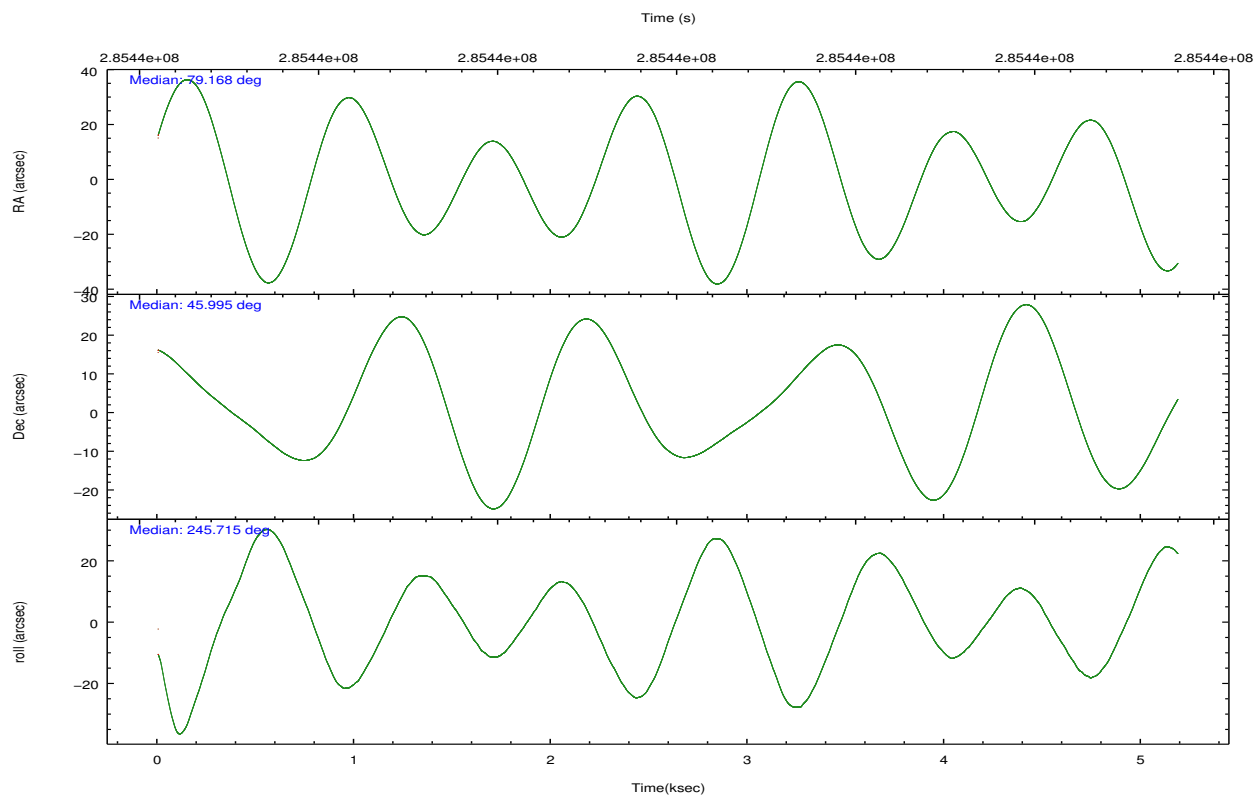
2.2 Compared Parameters

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	79.163326	79.16824596401896
[deg] Pointing Dec	46.022054	45.99490969620014
[deg] Pointing Roll	245.816480	245.7174777978519
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	156.985494	156.996361744708
[mm] SIM translation stage offset	-30	-30.01087285310641
[s] Observation start time (MET)	285435552.184000	285435175.81074
Observation start date	2007-01-17T15:38:07	2007-01-17T15:32:55
[s] Observation end time (MET)	285440552.184000	285440686.211
Observation end date	2007-01-17T17:01:27	2007-01-17T17:04:46

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

2.3 Aspect



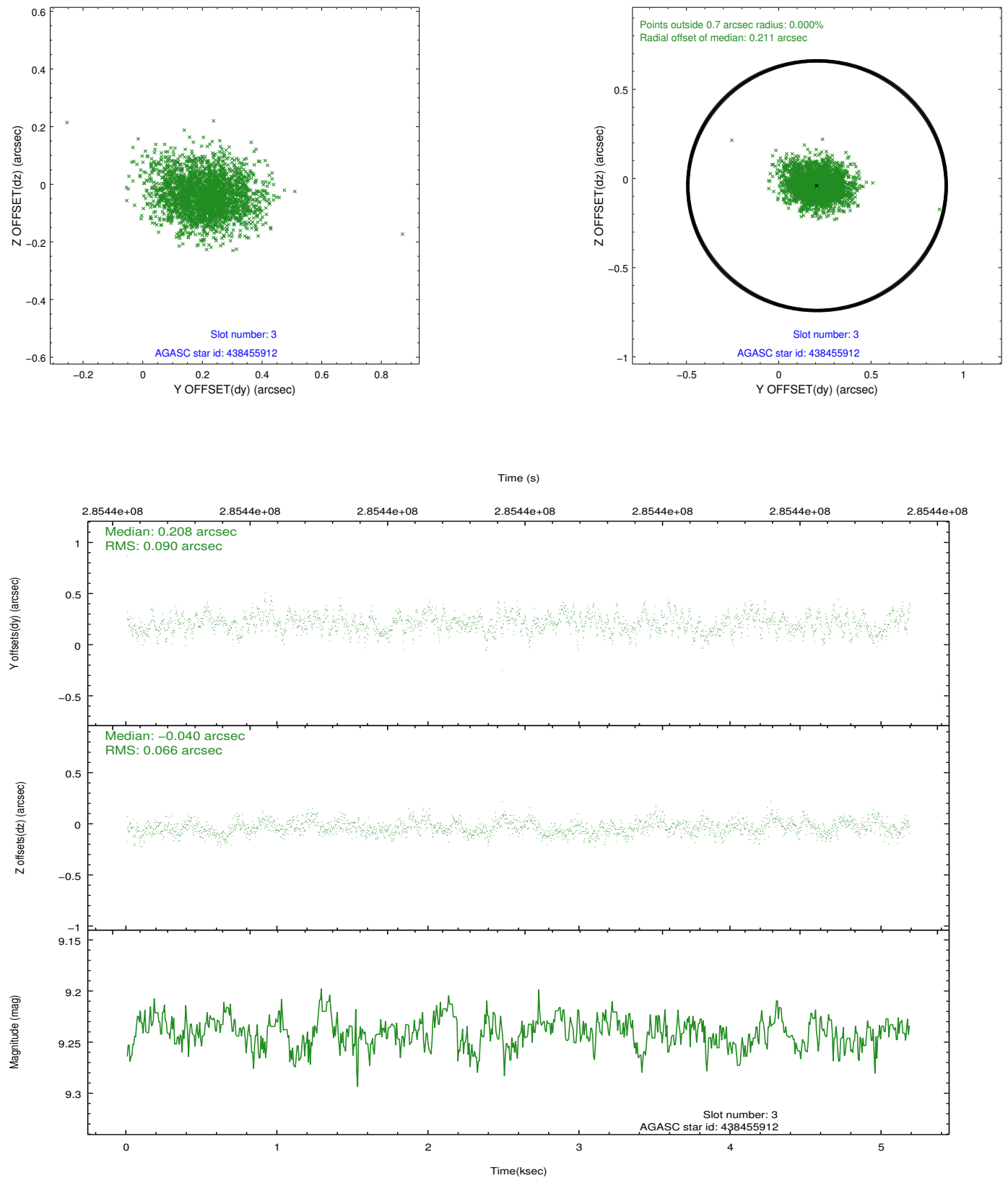


Slot Statistics

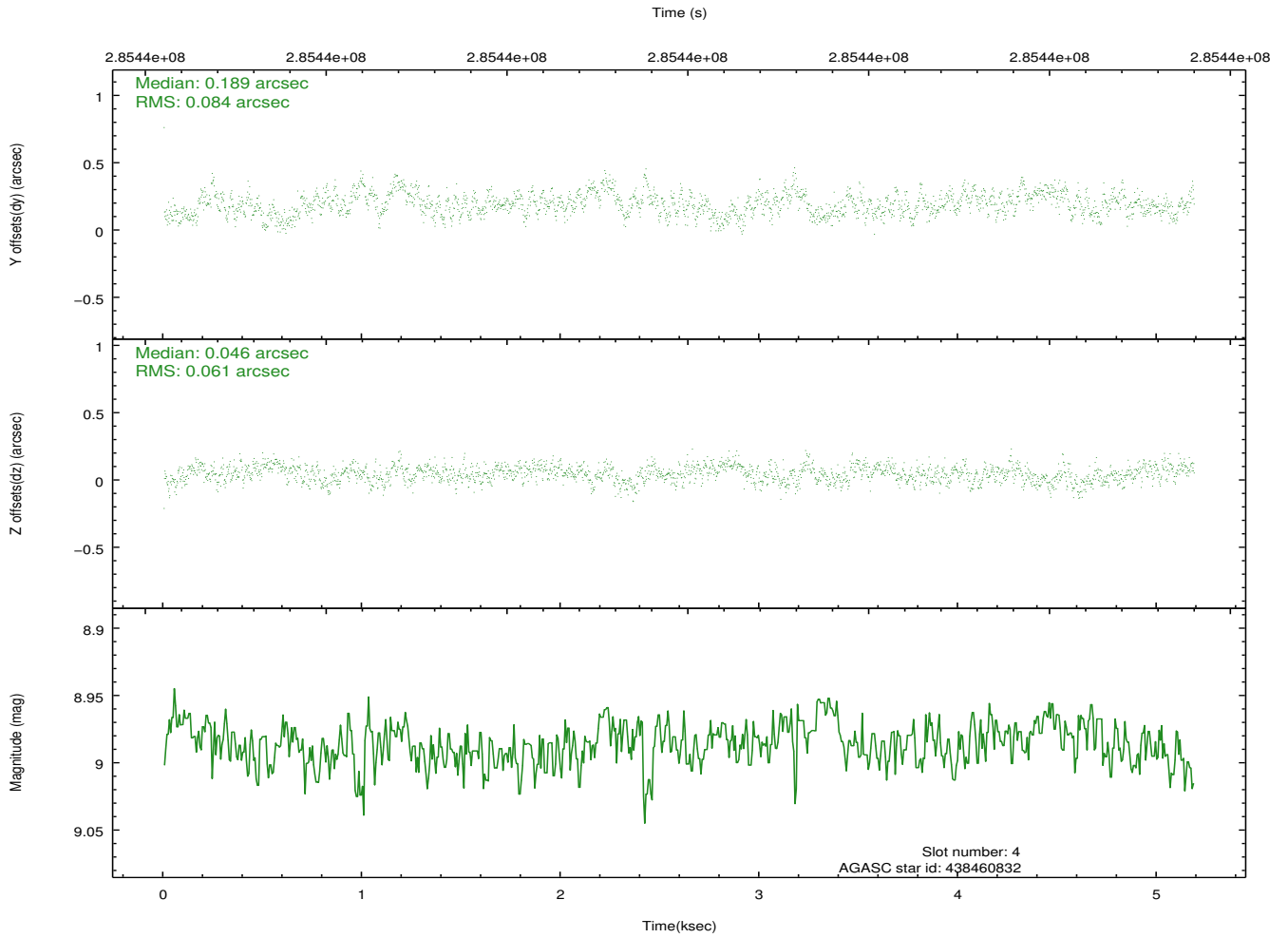
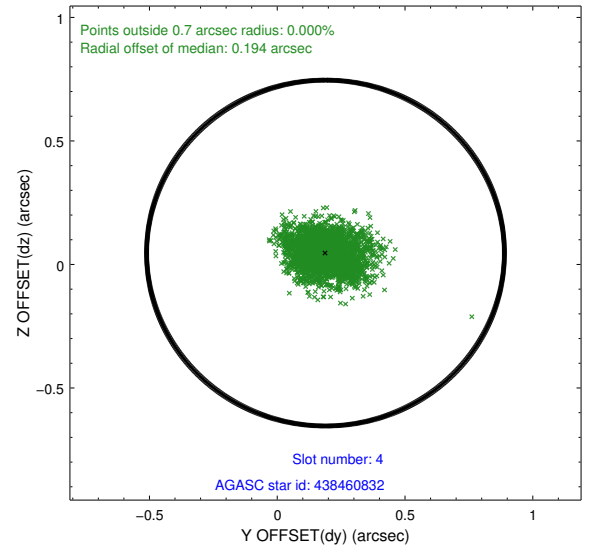
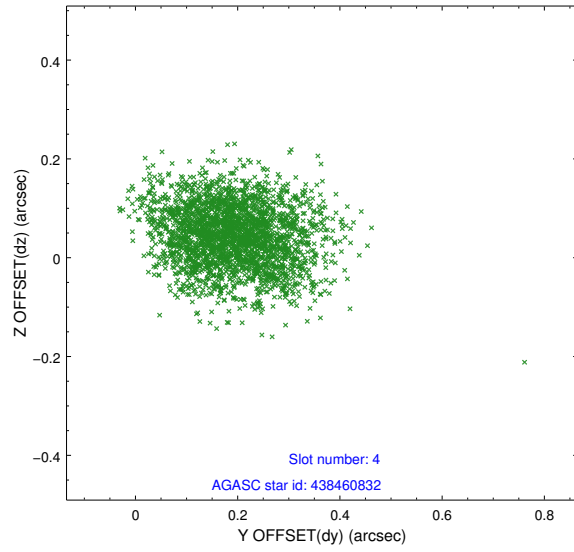
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.05	1265	-0.305	-1.353	0.008	0.015	0.000000	0.000000	845.33	-1918.08
1	FID	HRC-I-3	7.15	1265	0.756	-0.122	0.008	0.014	0.000000	0.000000	-1195.57	386.38
2	FID	HRC-I-4	6.95	1265	-0.331	1.388	0.009	0.017	0.000000	0.000000	1273.00	388.95
3	GUIDE	438455912	9.24	2530	0.208	-0.040	0.118	0.194	78.251946	45.690923	2014.81	-1607.96
4	GUIDE	438460832	8.99	2530	0.189	0.046	0.110	0.180	78.414614	45.554782	2300.98	-1036.88
5	GUIDE	440140240	9.98	2528	-0.175	0.068	0.139	0.235	78.889349	46.726437	-2036.43	-1656.82
6	GUIDE	440150048	7.14	2530	-0.199	-0.020	0.076	0.117	79.112838	46.416060	-1243.51	-696.39
7	GUIDE	440163960	8.88	2527	-0.022	-0.054	0.082	0.128	79.298370	45.827072	500.75	595.97

2.4 Star Slots

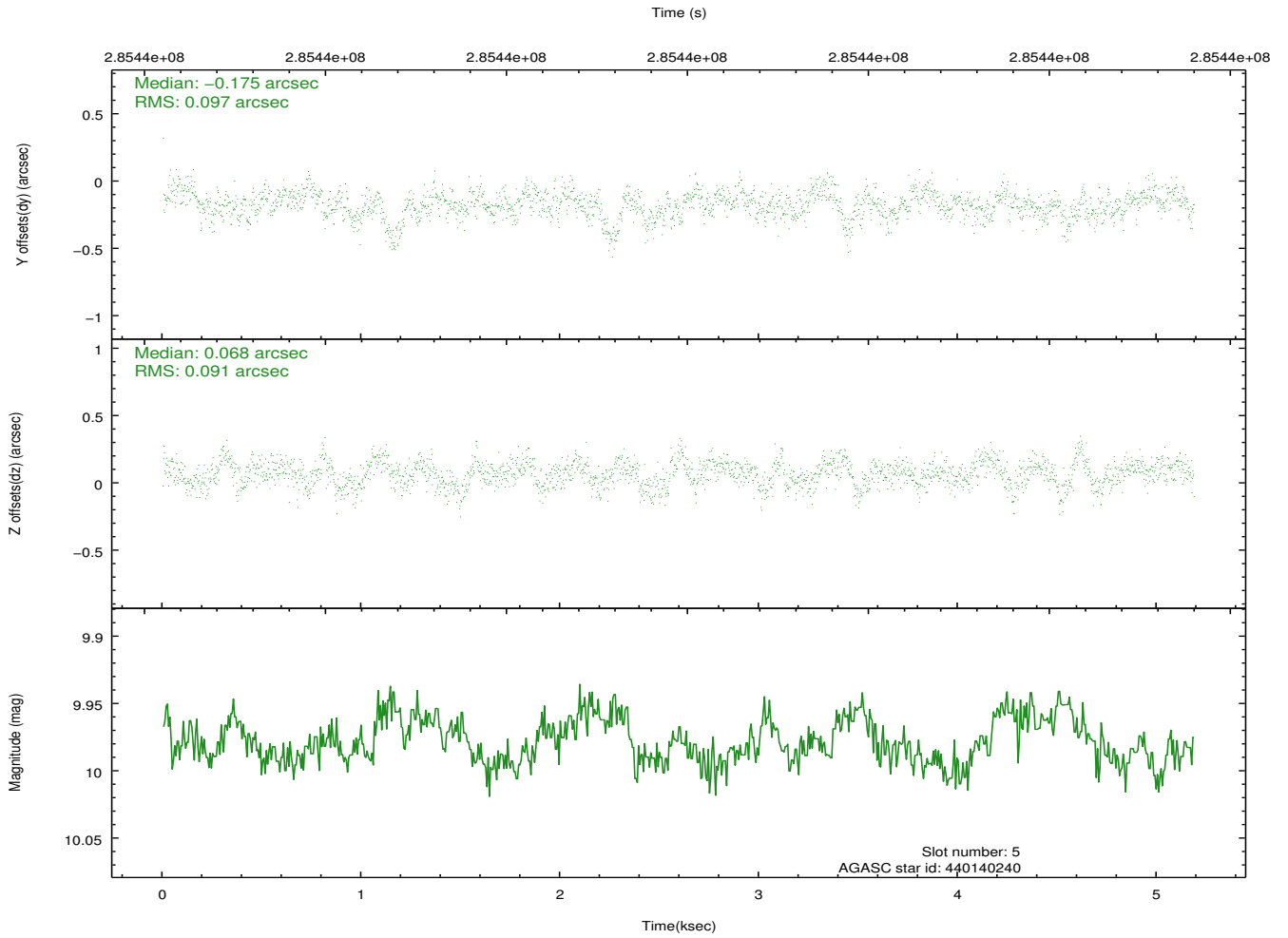
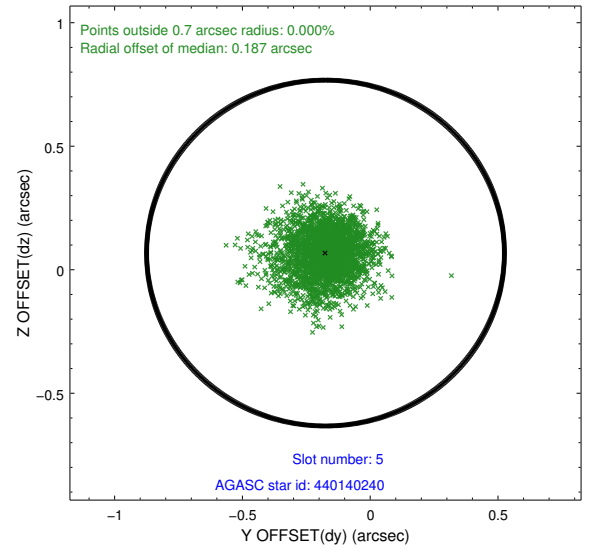
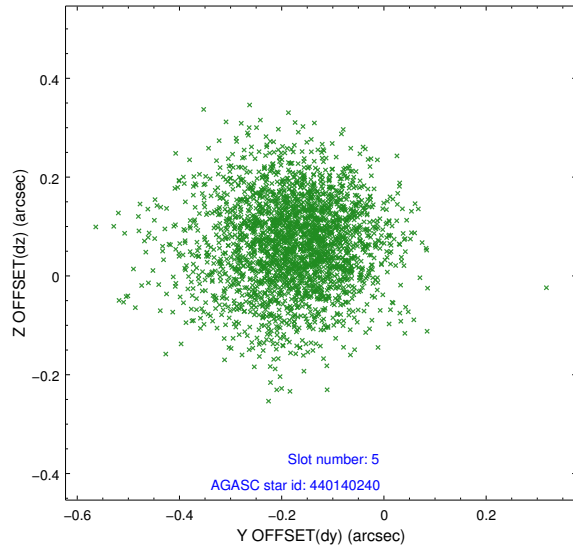
2.4.1 Slot 3



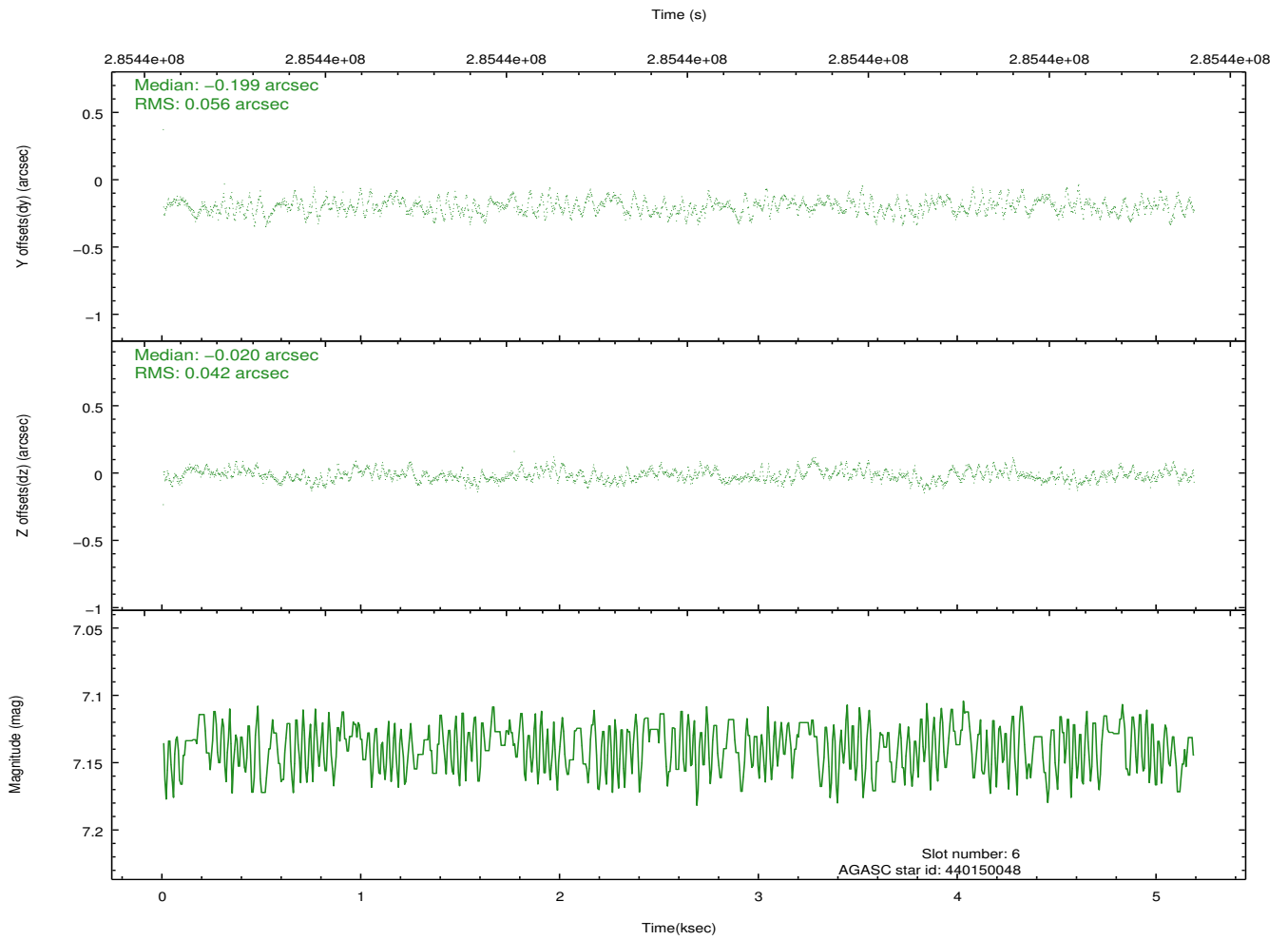
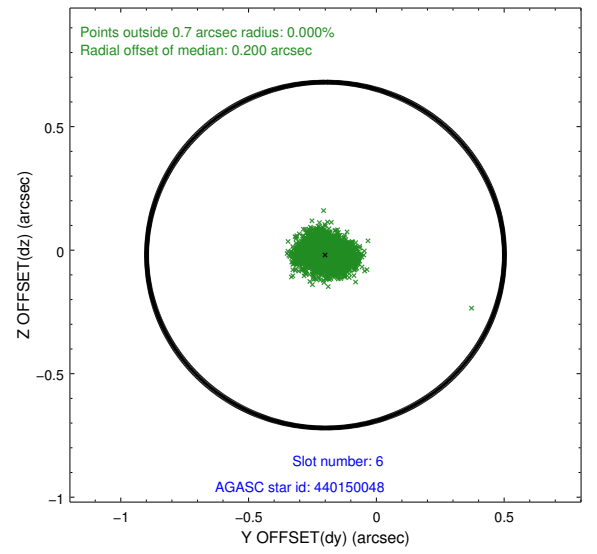
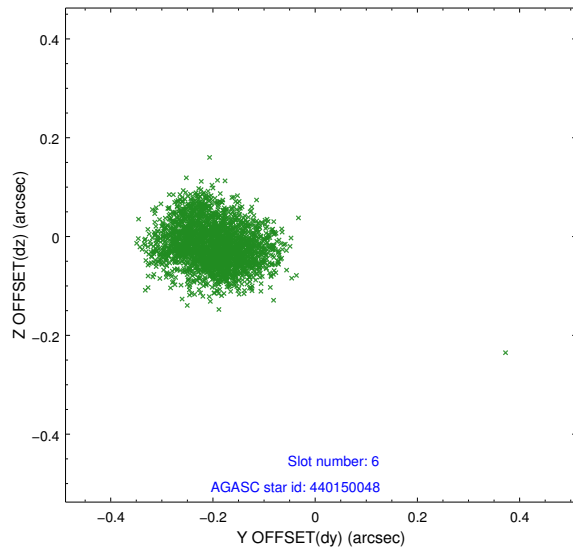
2.4.2 Slot 4



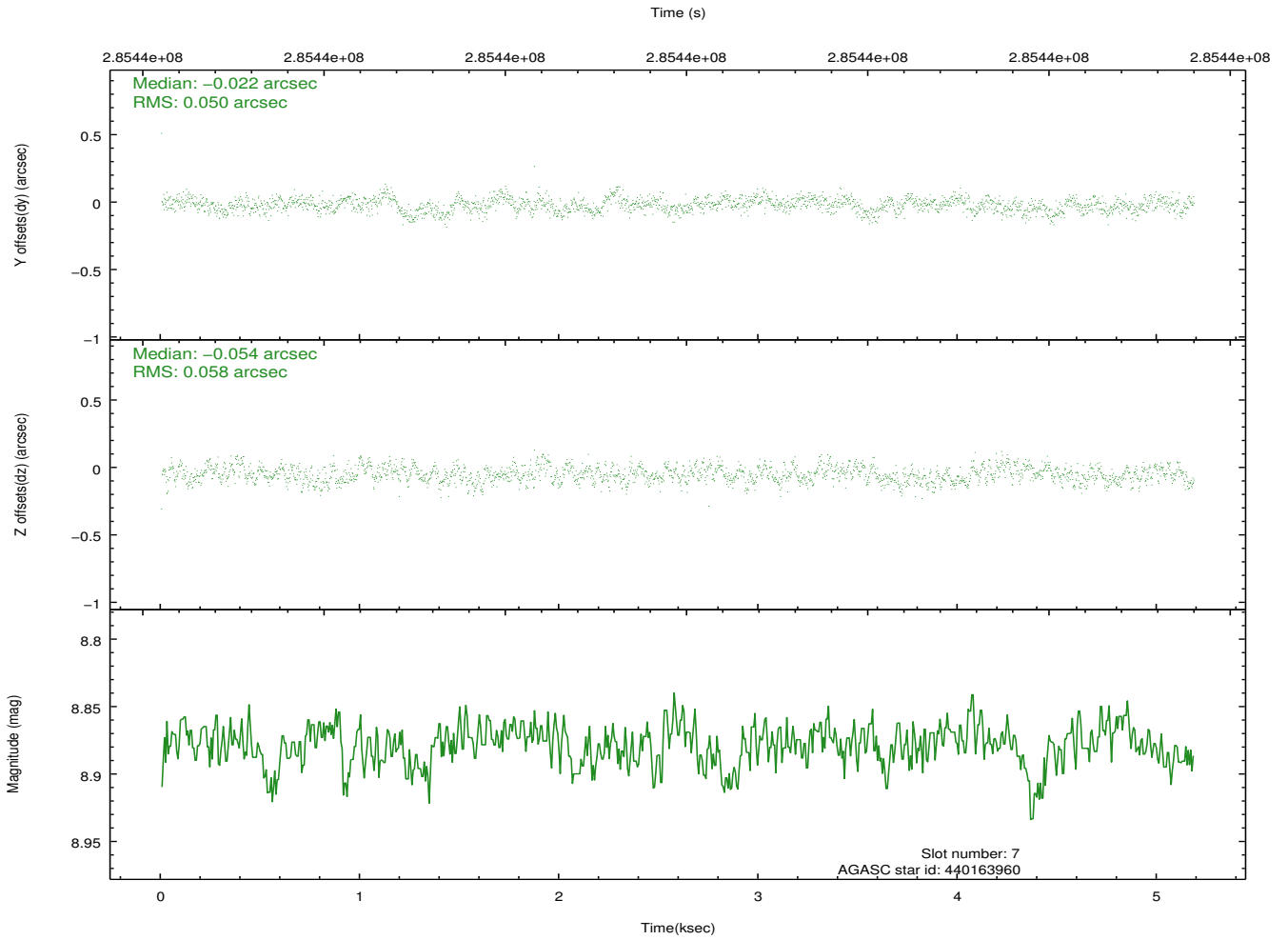
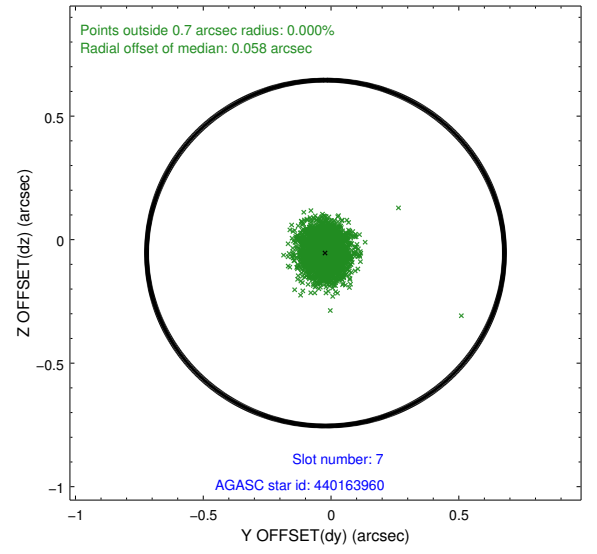
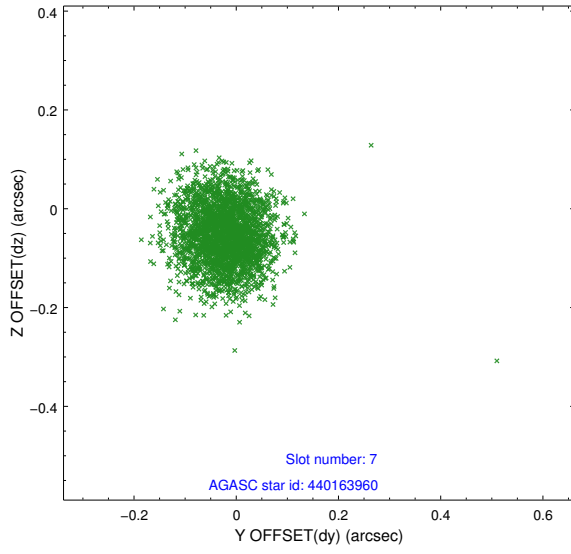
2.4.3 Slot 5



2.4.4 Slot 6

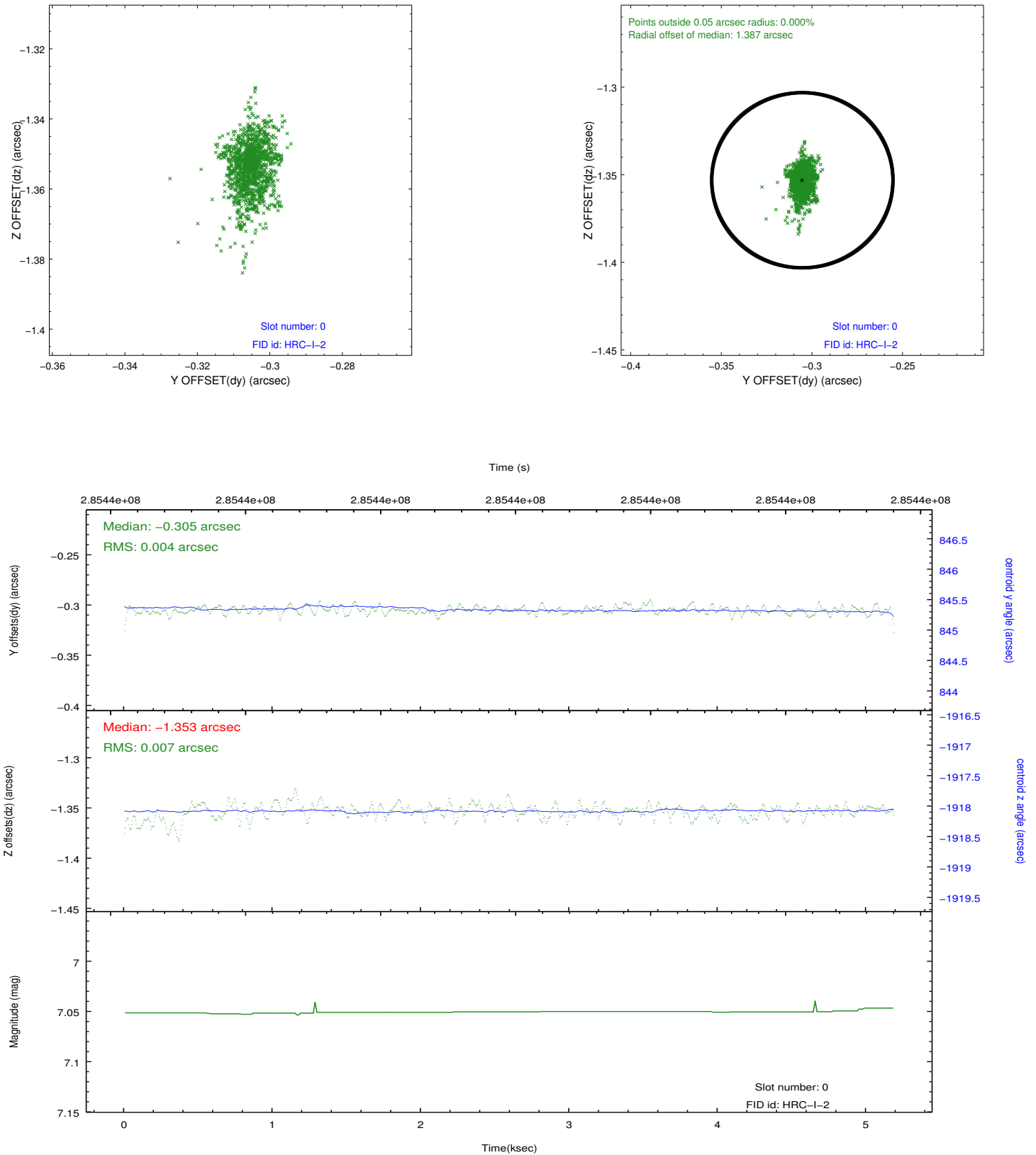


2.4.5 Slot 7

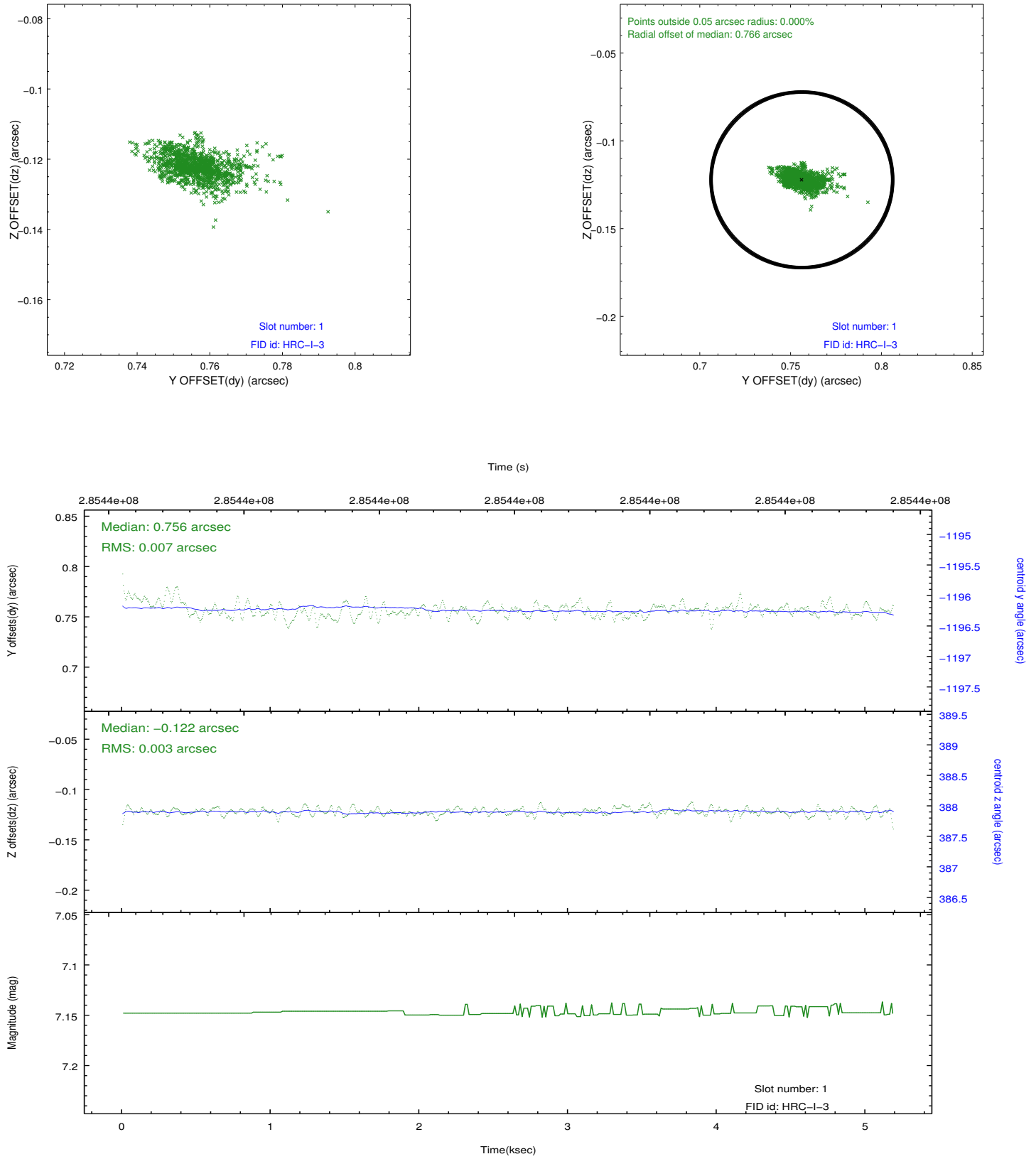


2.5 FID Slots

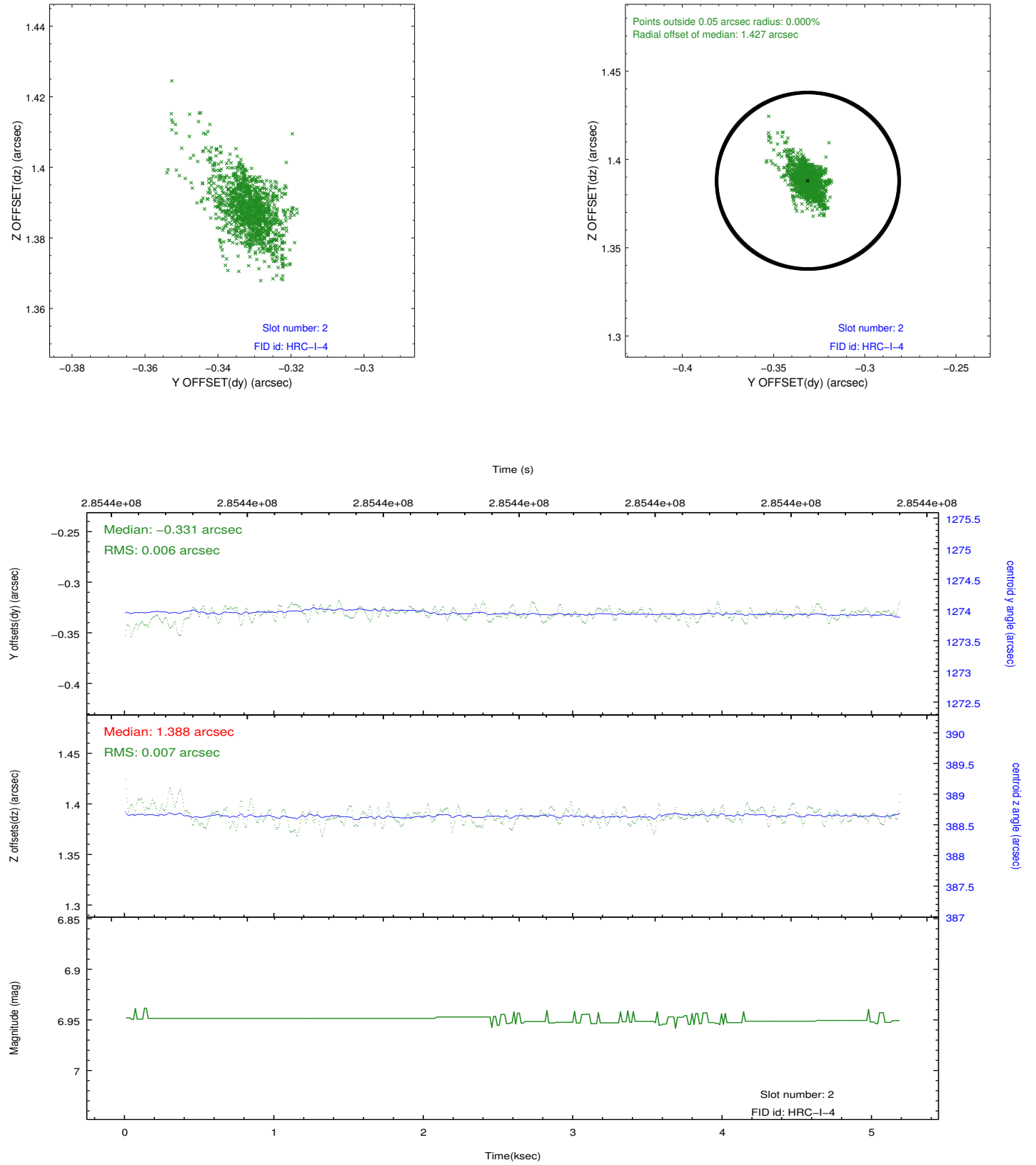
2.5.1 Slot 0



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 away from the center of the chip, and are expected in this instance.