

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6545 - L2 Version 4
Chandra X-Ray Center

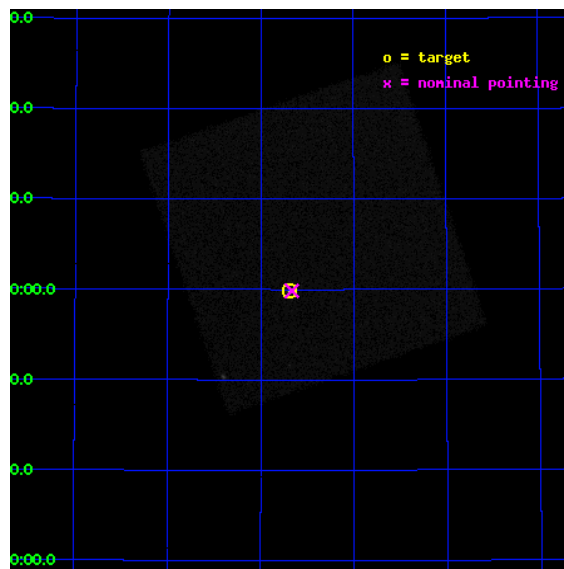
L2 Processing Date : Aug 10 2012

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1 Front

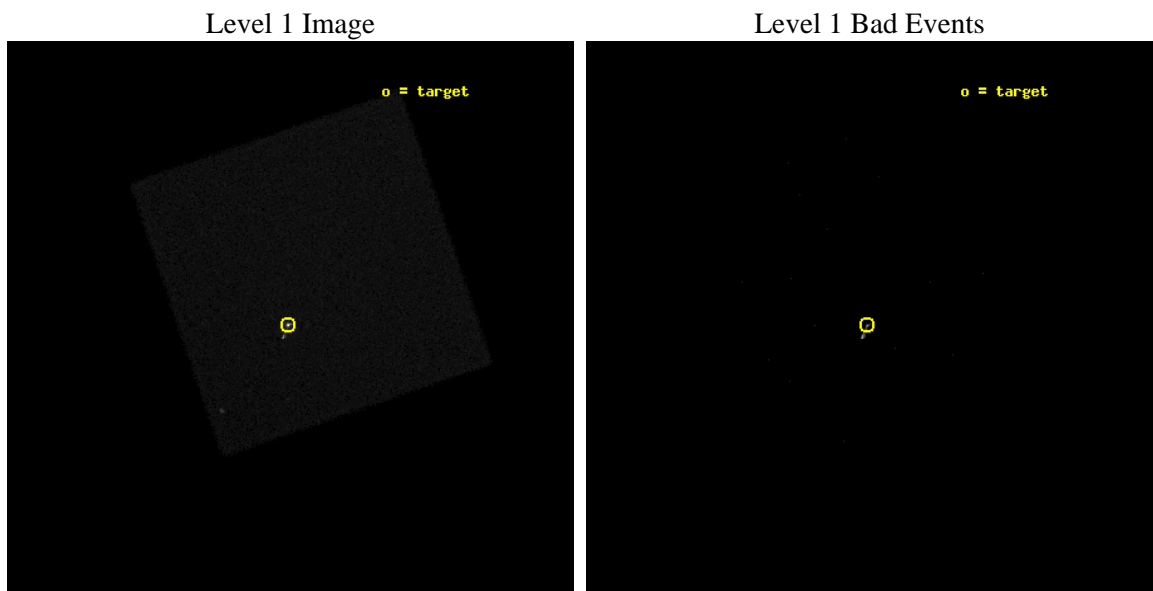
seq_num	290638	Sequence number
obs_id	6545	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.166224862411	Nominal RA [deg]
dec_nom	45.997646884738	Nominal Dec [deg]
roll_nom	206.12103833117	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5185.7314899862	[s]
livetime	5139.2960523426	Ontime multiplied by DTCOR
l2events	317967	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	5185.7314899862	[s]
caldbver	4.5.1.1	 	l1events	531306	Number of level 1 events
date	2012-08-10T19:27:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

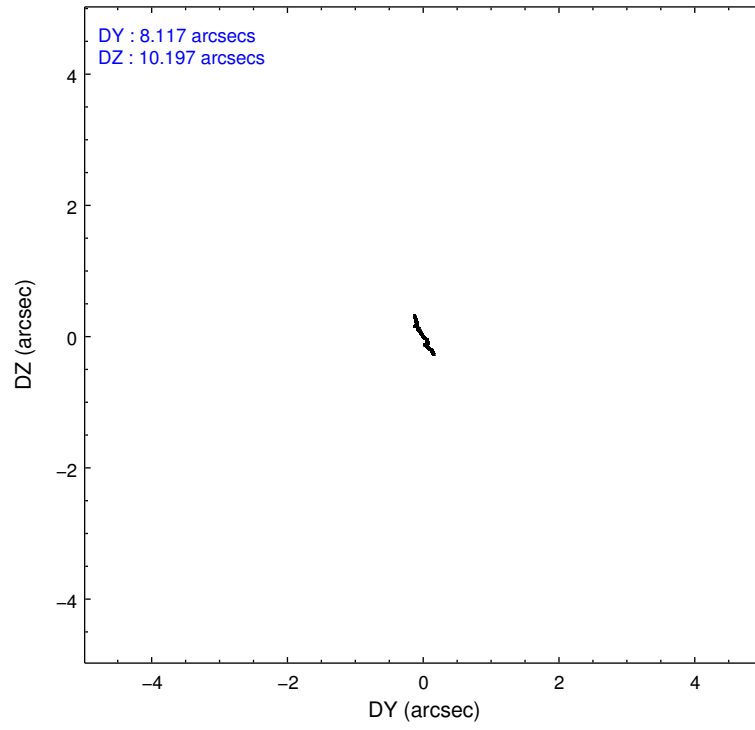
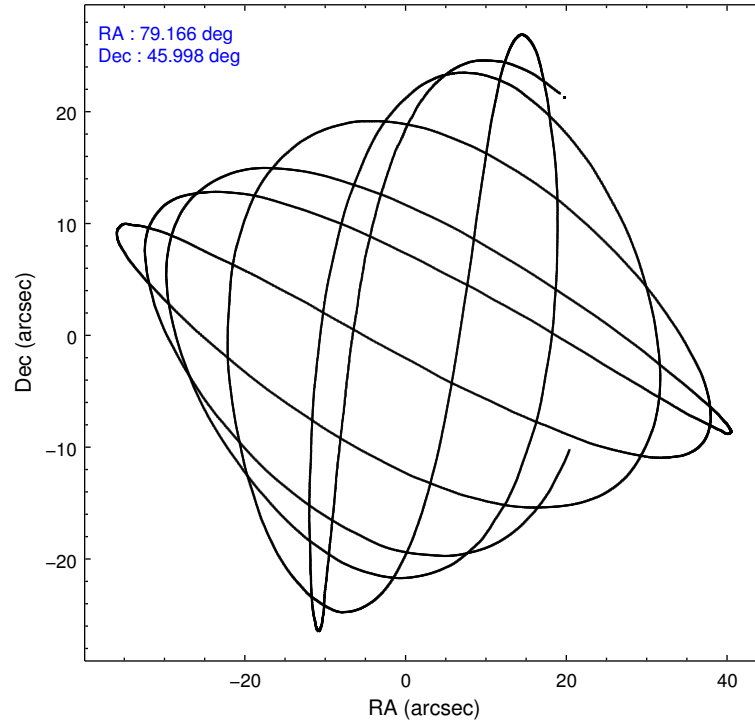
Level 1 Events

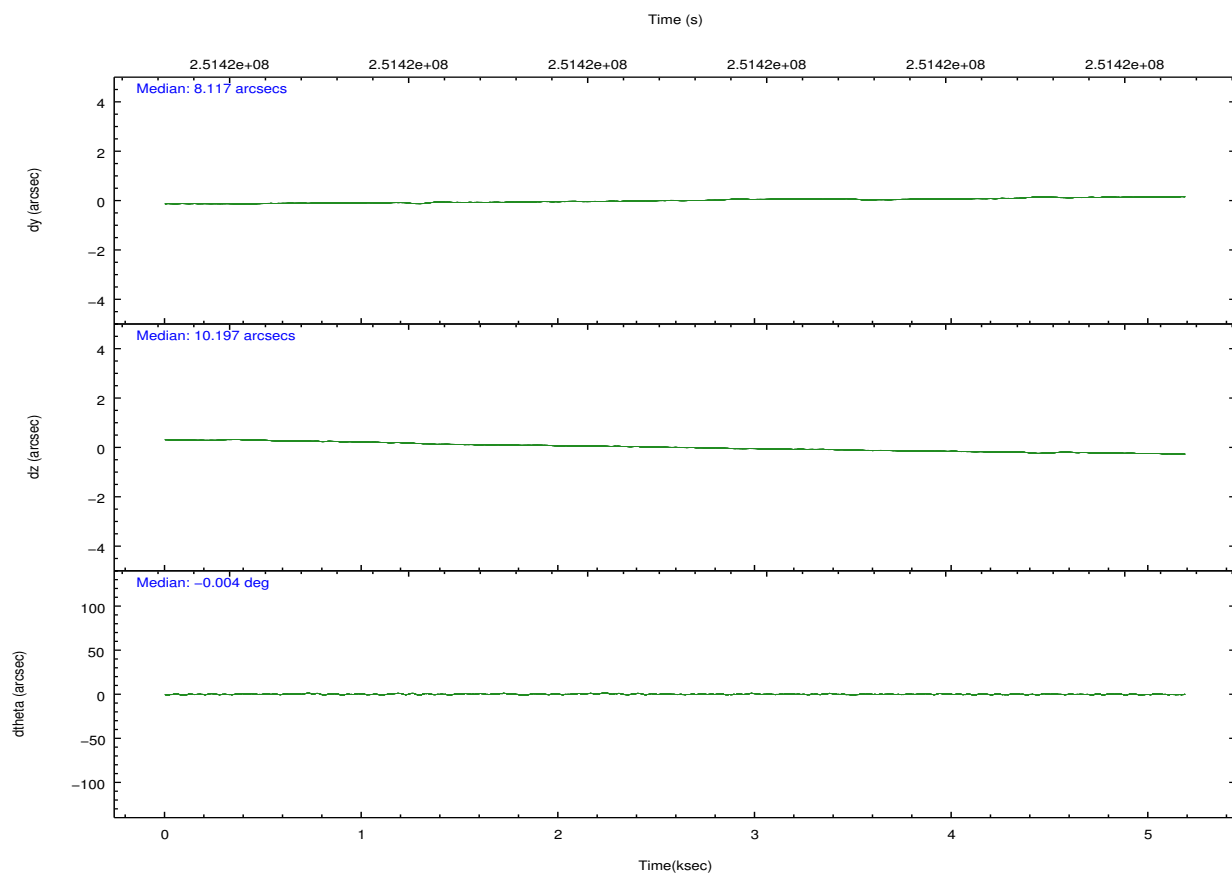
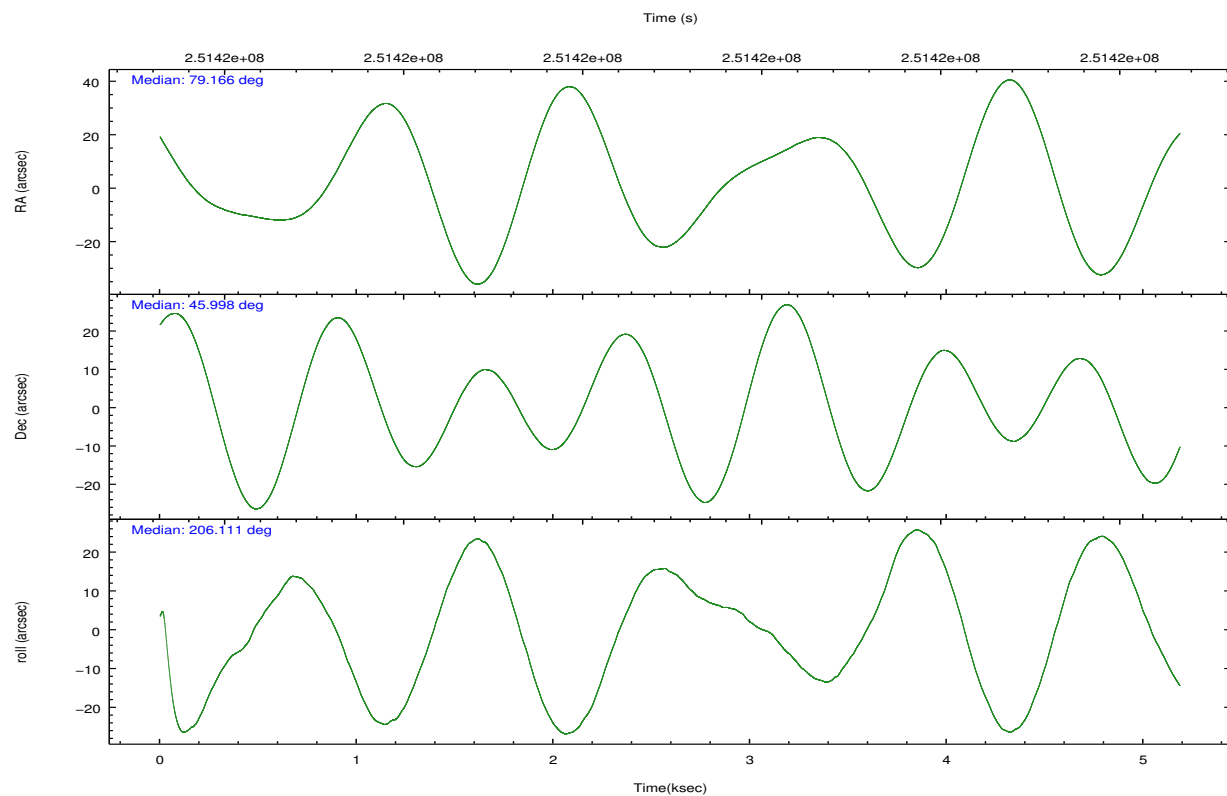
	segment 0
level 1 events	531306
rejected events	106804
rejected %	20%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	79.187513	79.16622486241127			
[deg] Pointing Dec	46.020595	45.99764688473841			
[deg] Pointing Roll	206.201202	206.1210383311659			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	144.985494	144.9879918644574			
[mm] SIM translation stage offset	-18	-18.00250297285584			
[s] Observation start time (MET)	251419085.184000	251417526.49265			
Observation start date	2005-12-19T22:37:01	2005-12-19T22:12:06			
[s] Observation end time (MET)	251424085.184000	251424346.33046			
Observation end date	2005-12-20T00:00:21	2005-12-20T00:05:46			

2.3 Aspect



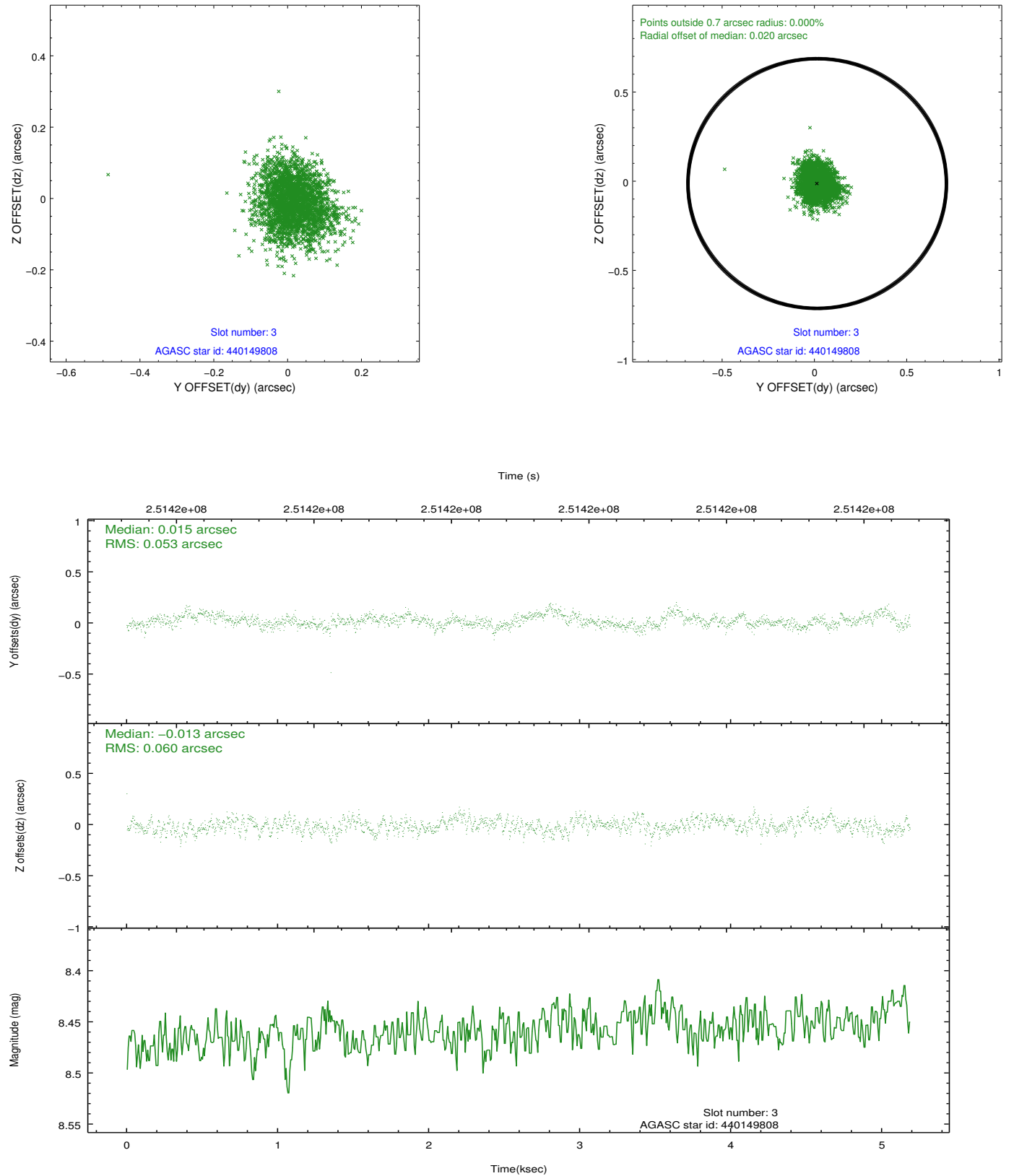


Slot Statistics

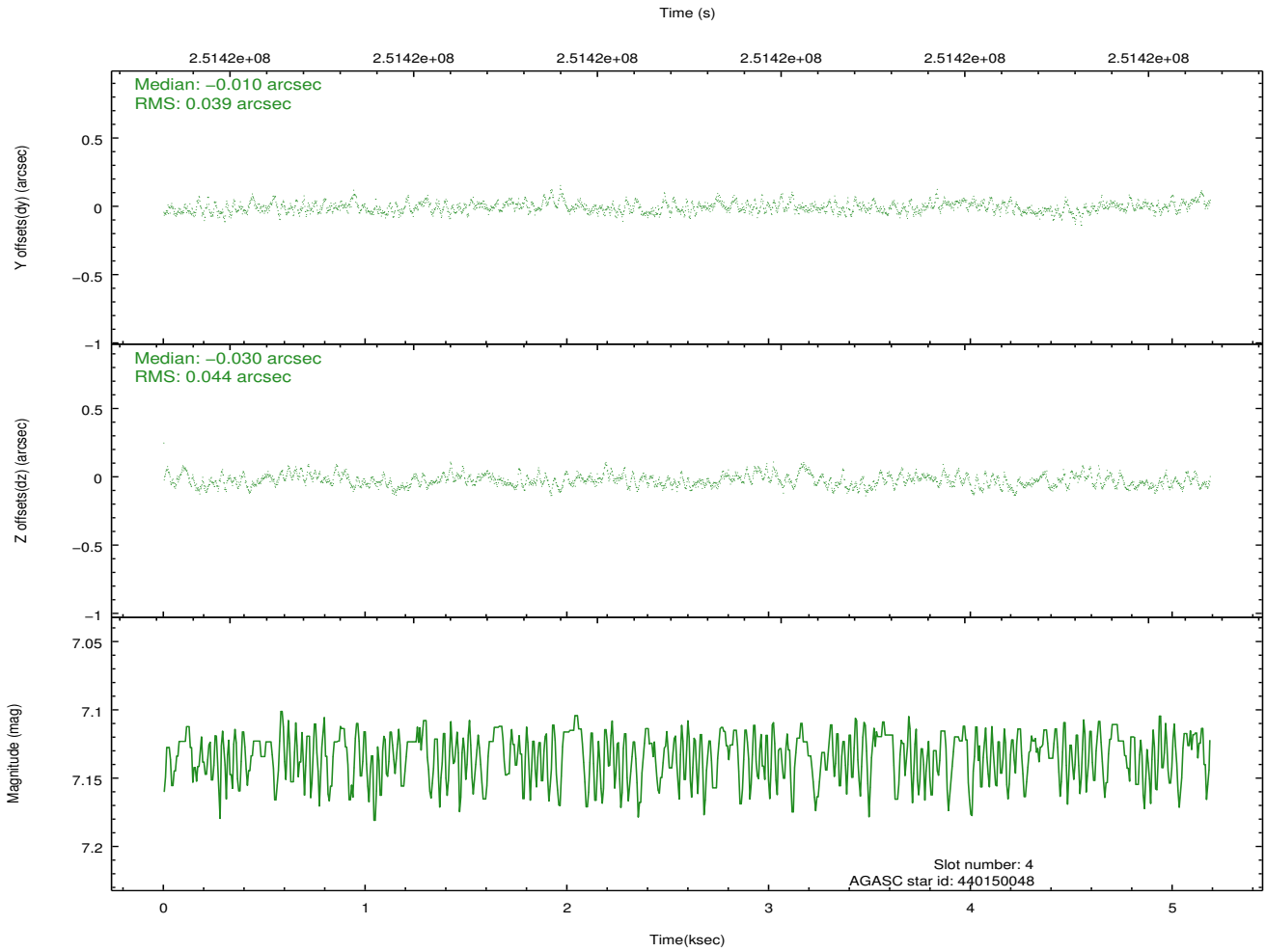
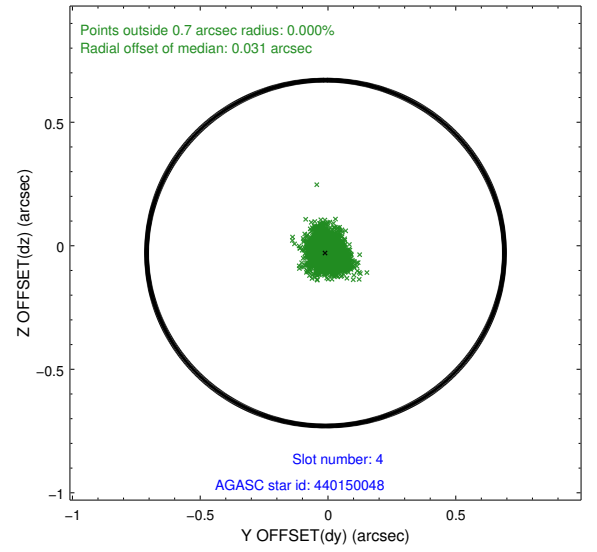
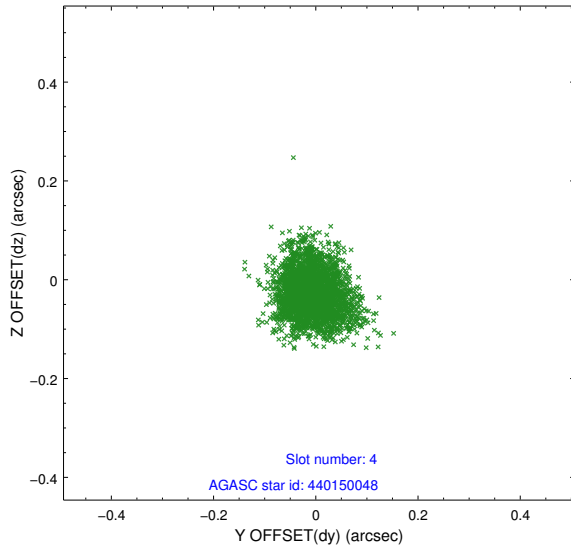
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	1265	0.271	-0.713	0.008	0.013	0.000000	0.000000	-763.77	-1668.18
1	FID	HRC-I-2	7.03	1265	-0.166	0.081	0.007	0.010	0.000000	0.000000	848.85	-1670.95
2	FID	HRC-I-3	7.11	1265	0.013	0.538	0.006	0.010	0.000000	0.000000	-1191.31	635.18
3	GUIDE	440149808	8.46	2530	0.015	-0.013	0.084	0.136	78.873930	46.405955	85.13	-1589.46
4	GUIDE	440150048	7.13	2531	-0.010	-0.030	0.062	0.102	79.112838	46.416060	-462.49	-1359.69
5	GUIDE	440164960	8.31	2529	0.092	0.066	0.073	0.117	79.132526	46.140947	-68.60	-449.14
6	GUIDE	440145016	9.55	2529	-0.017	-0.027	0.119	0.198	80.238026	45.801940	-2026.40	1854.59
7	GUIDE	438450792	8.81	2530	-0.088	0.000	0.073	0.123	78.654240	46.382628	610.08	-1756.10

2.4 Star Slots

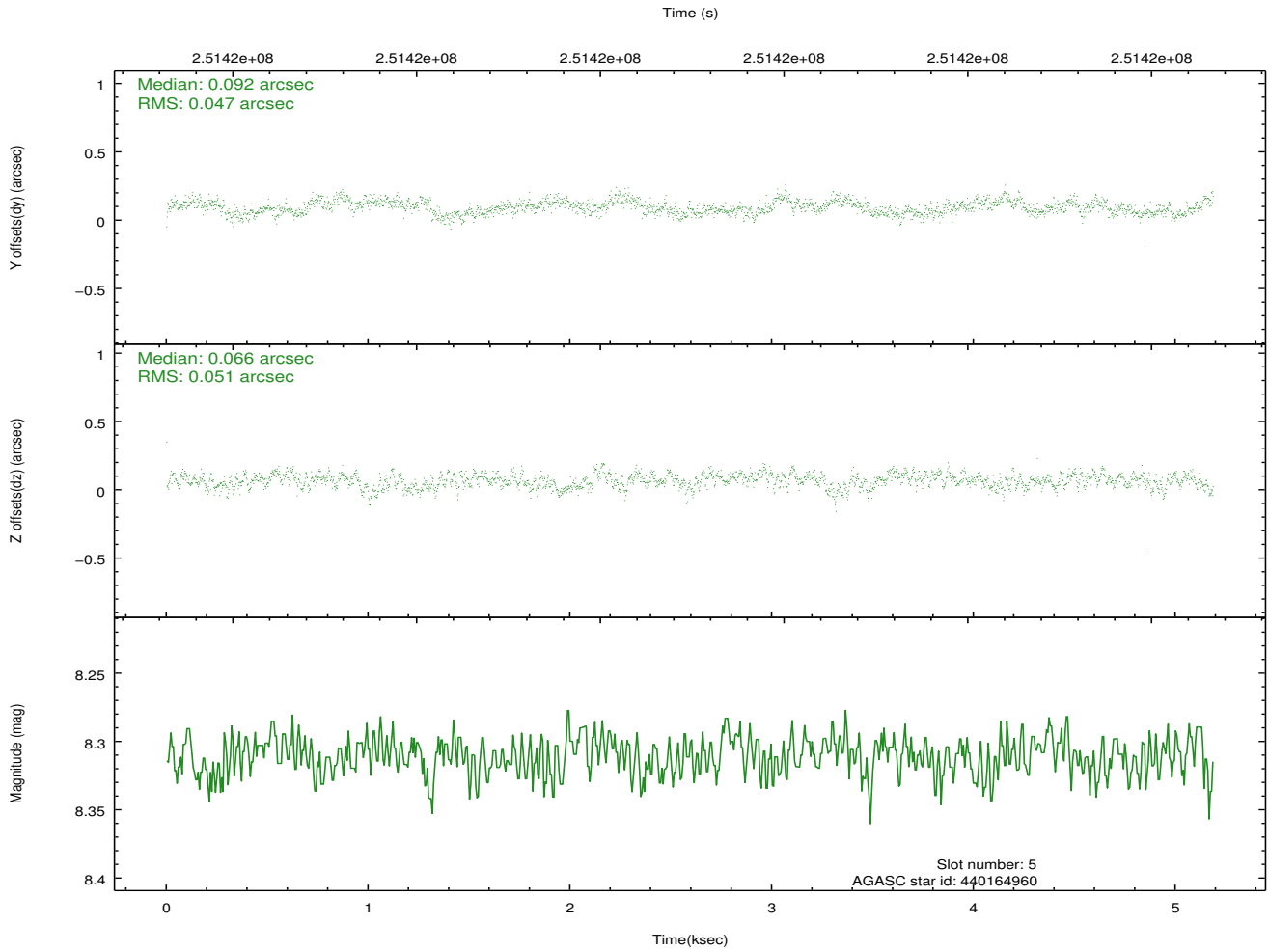
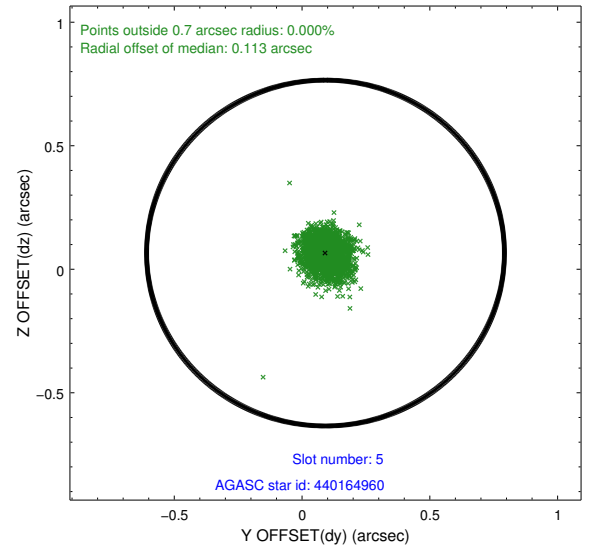
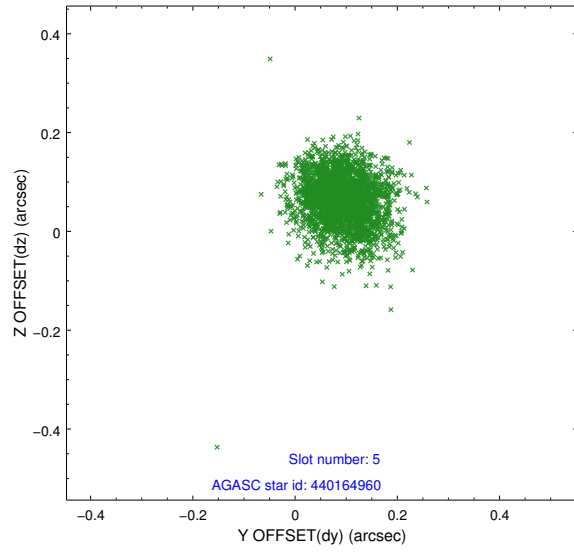
2.4.1 Slot 3



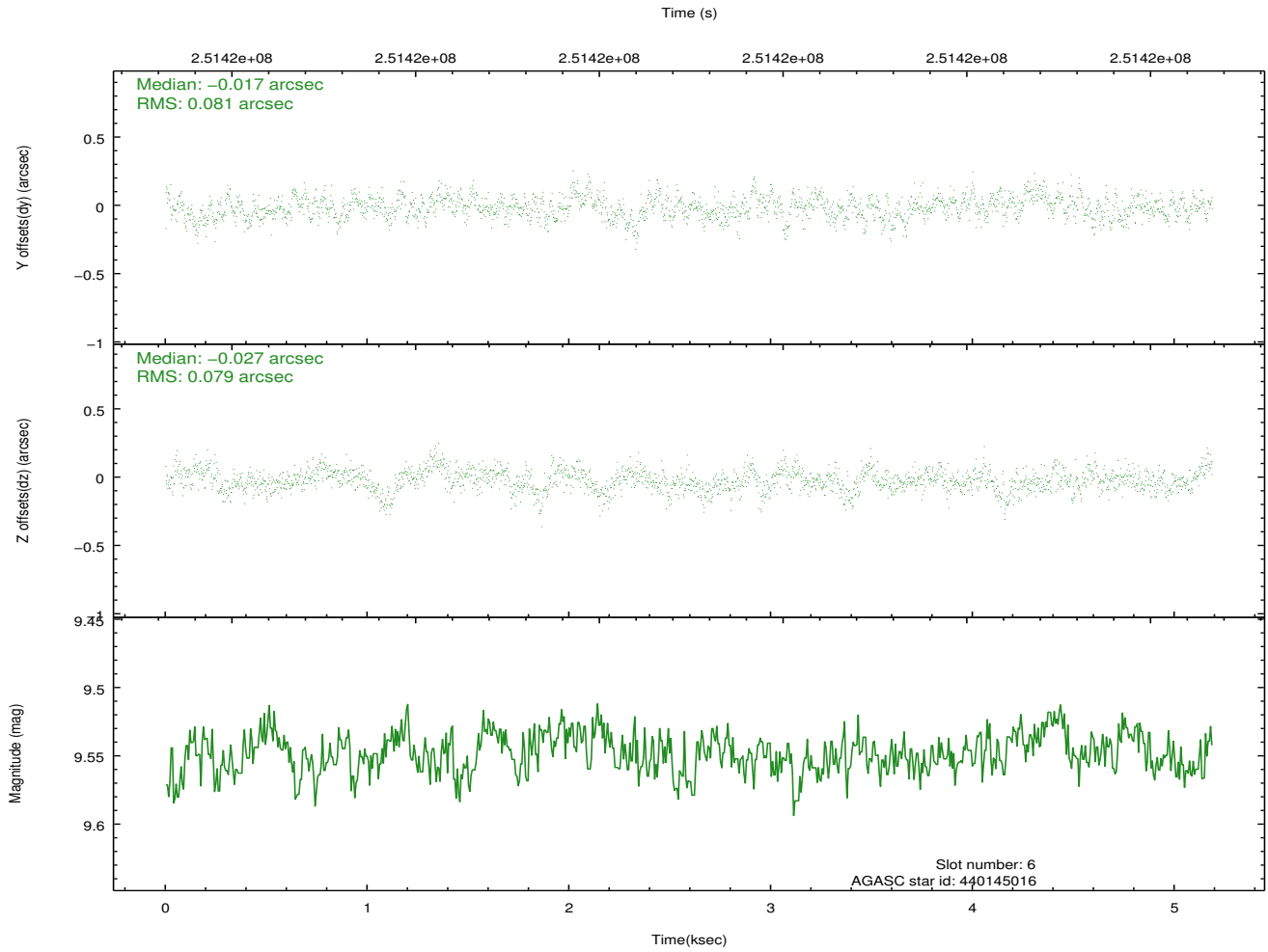
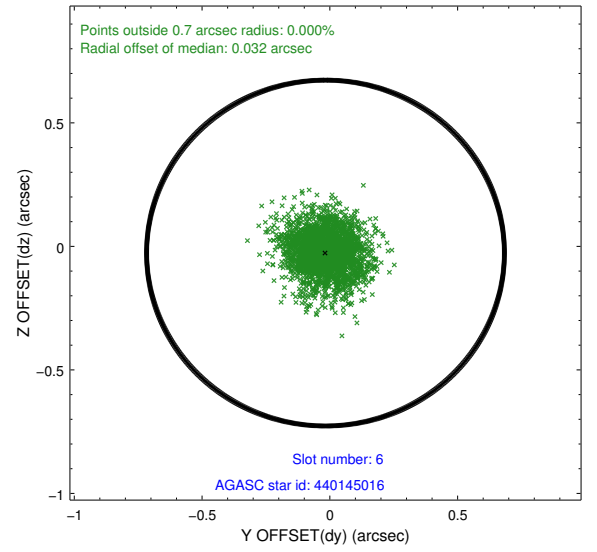
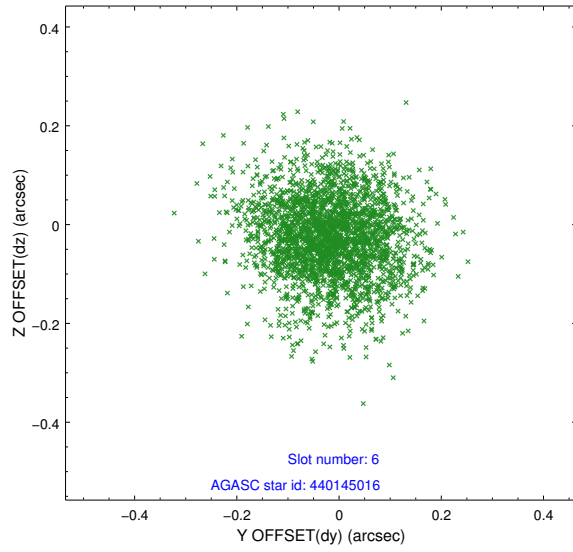
2.4.2 Slot 4



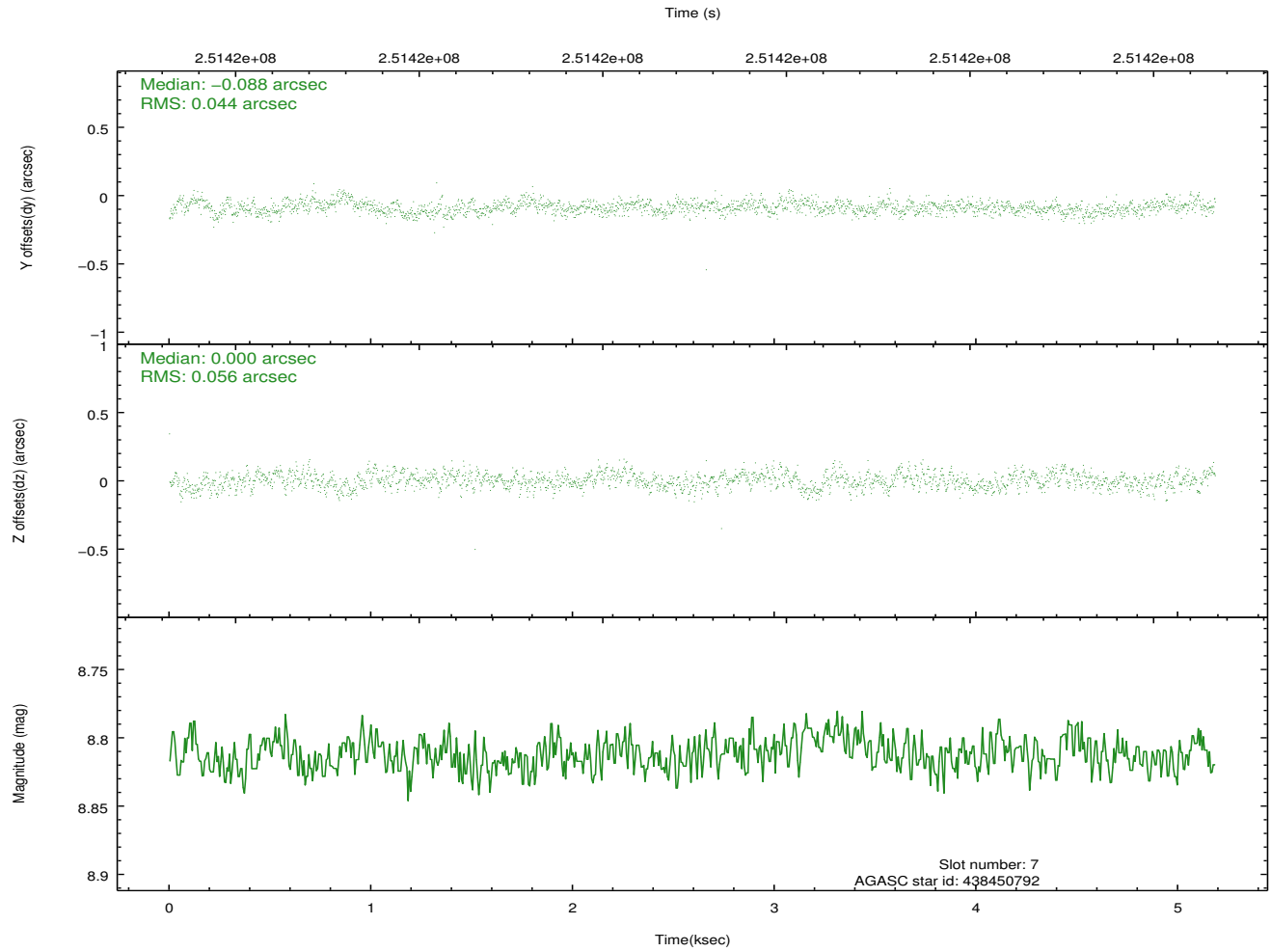
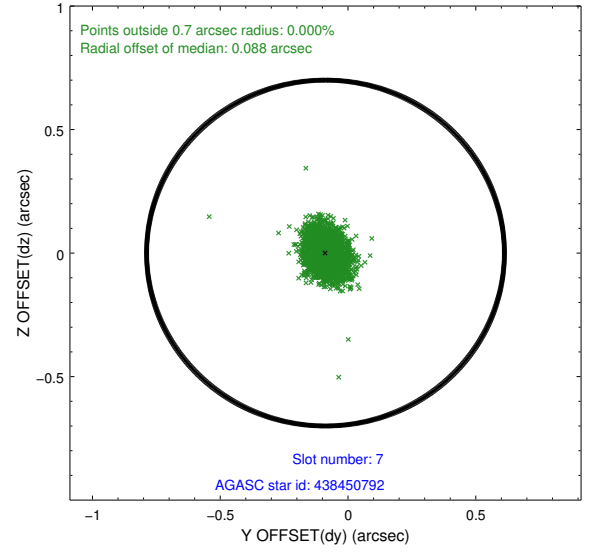
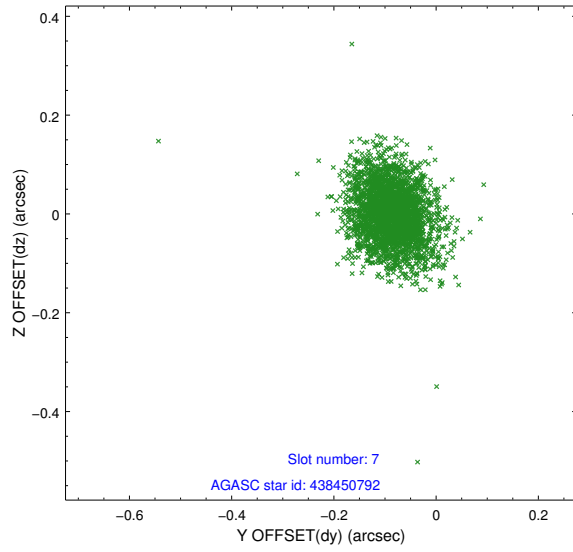
2.4.3 Slot 5



2.4.4 Slot 6

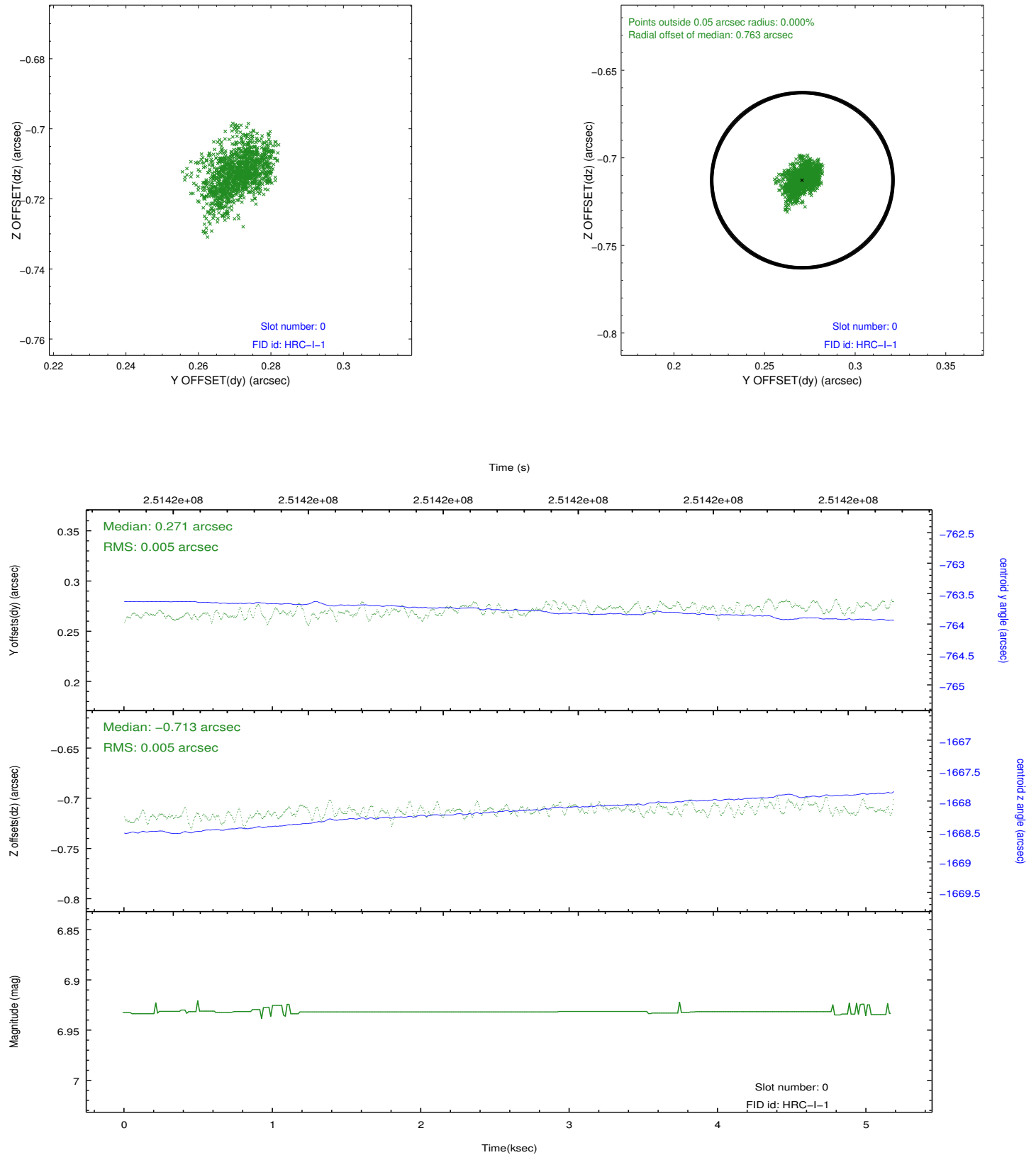


2.4.5 Slot 7

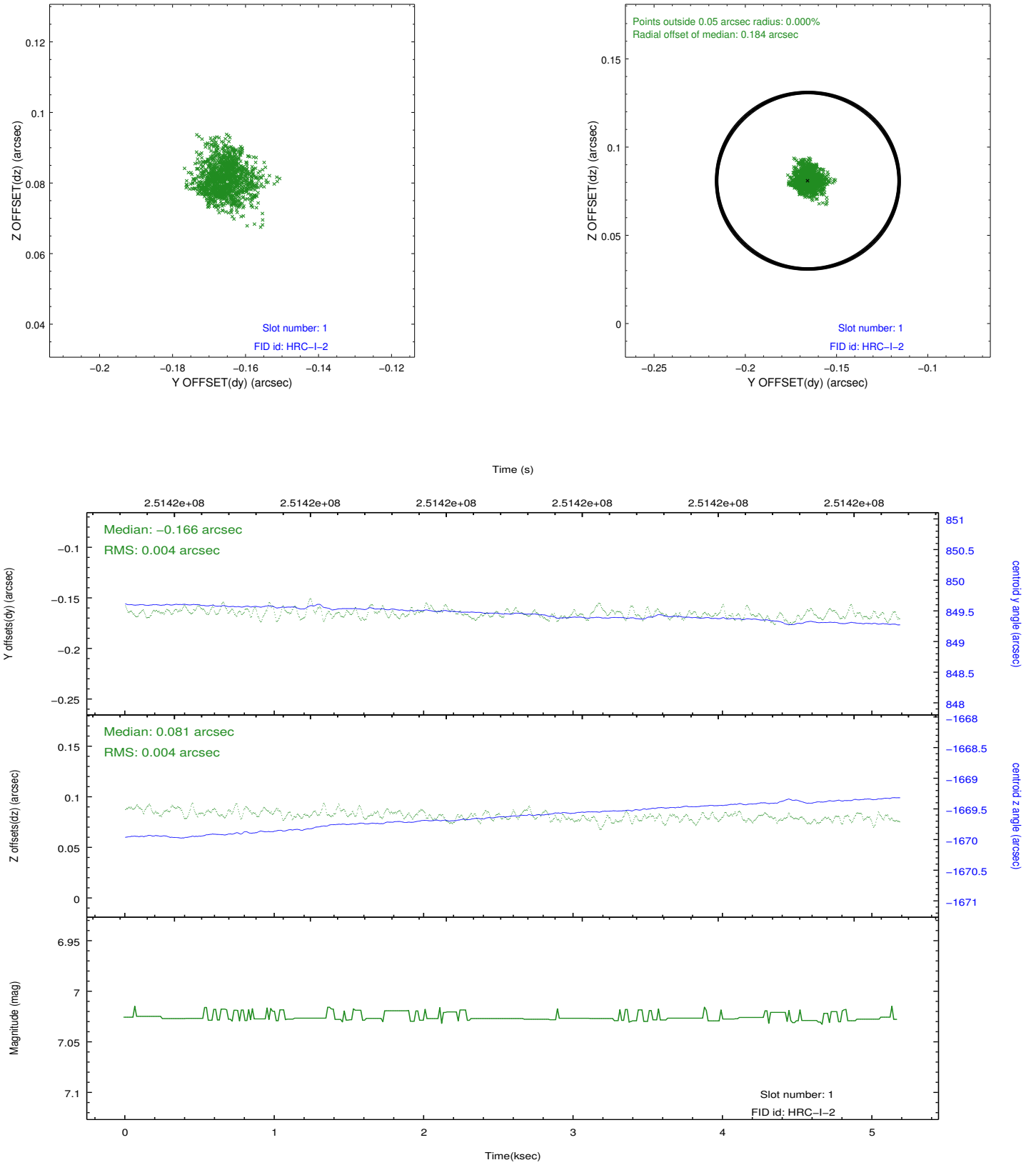


2.5 FID Slots

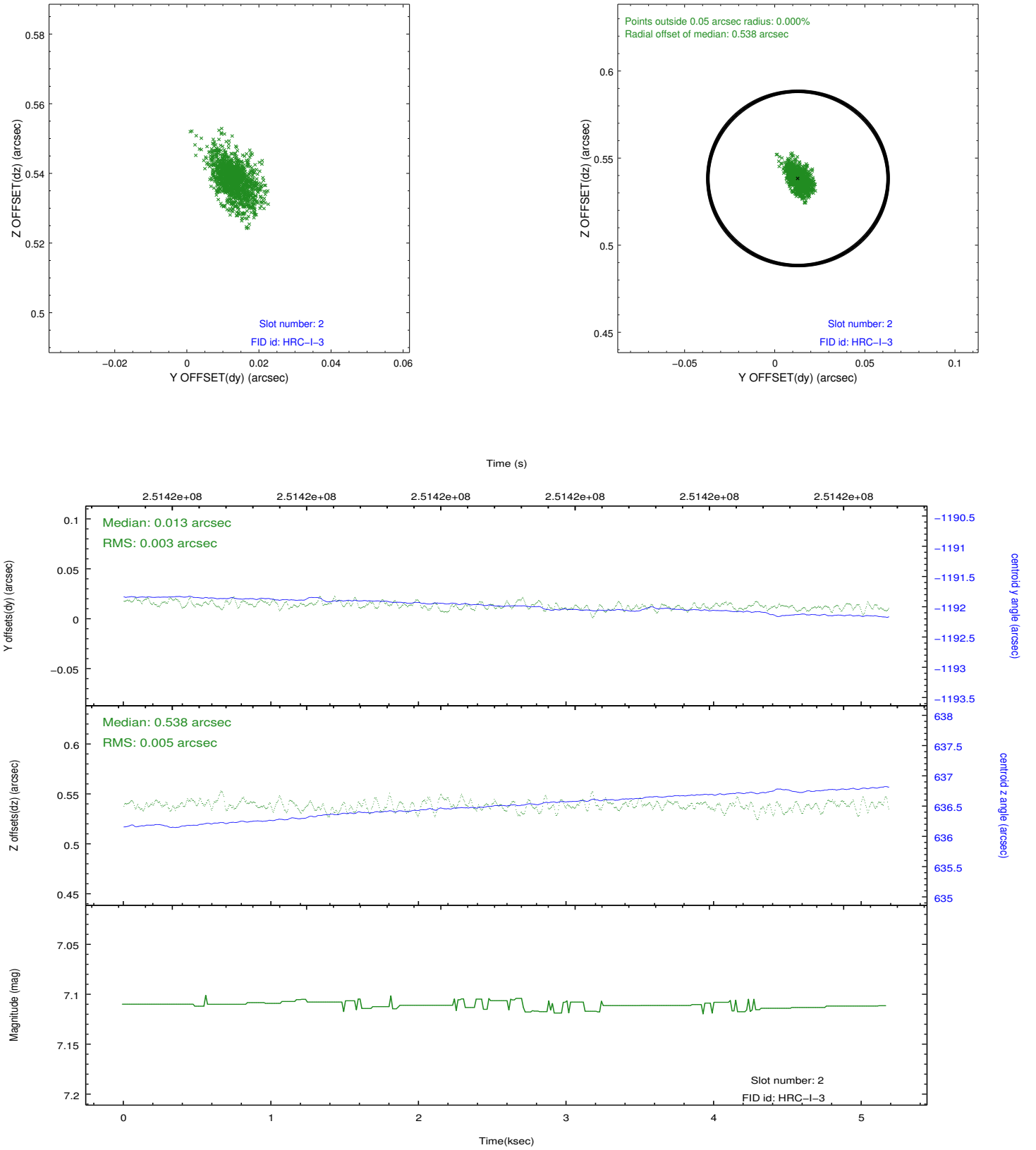
2.5.1 Slot 0



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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.185475

A.2 Comments

Large fid offsets are expected due to large SIM offset for this set of observations. This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.