

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6541 - L2 Version 4
Chandra X-Ray Center

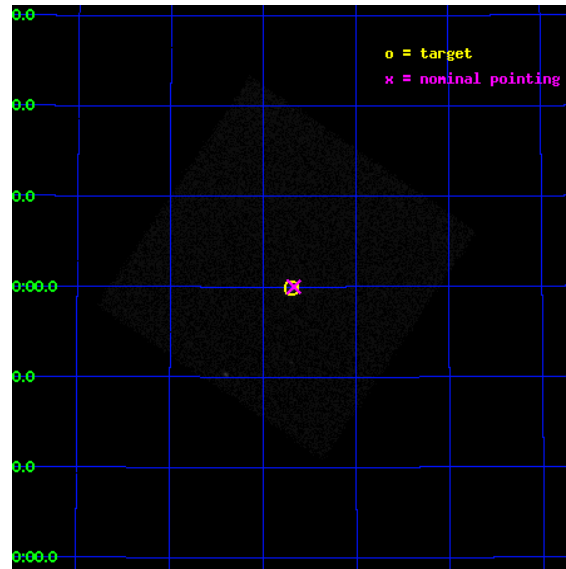
L2 Processing Date : Aug 10 2012

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1 Front

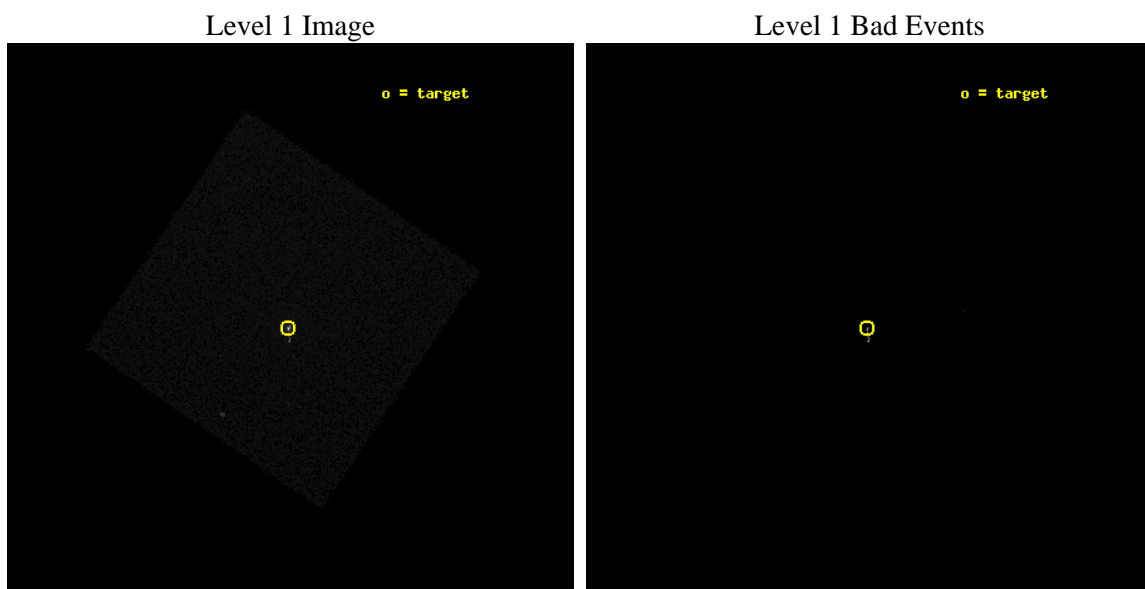
seq_num	290634	Sequence number
obs_id	6541	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.167321892274	Nominal RA [deg]
dec_nom	46.000191472098	Nominal Dec [deg]
roll_nom	169.1570087126	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4796.231471777	[s]
livetime	4752.5253336731	Ontime multiplied by DTCOR
l2events	301755	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	4796.231471777	[s]
caldbver	4.5.1.1	 	l1events	417056	Number of level 1 events
date	2012-08-10T18:07:02	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

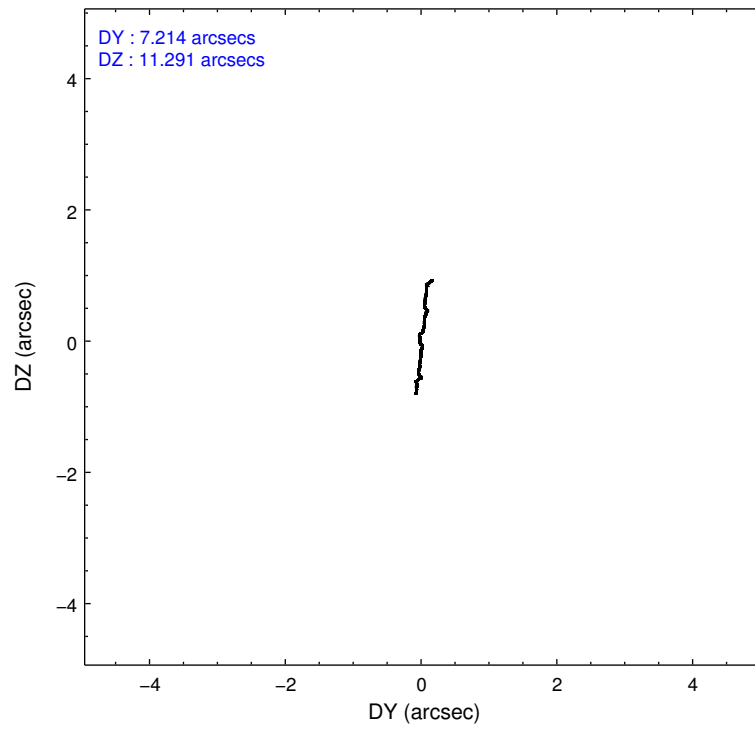
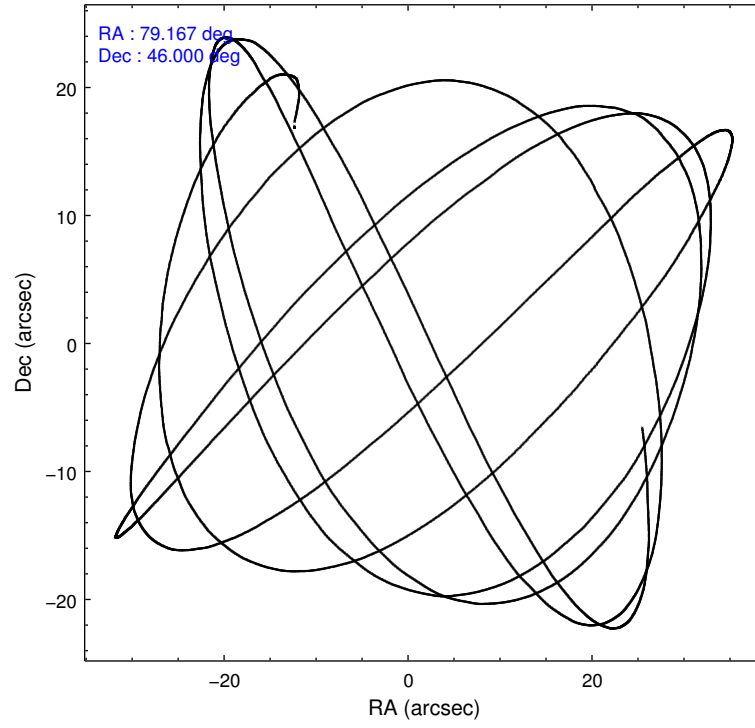
Level 1 Events

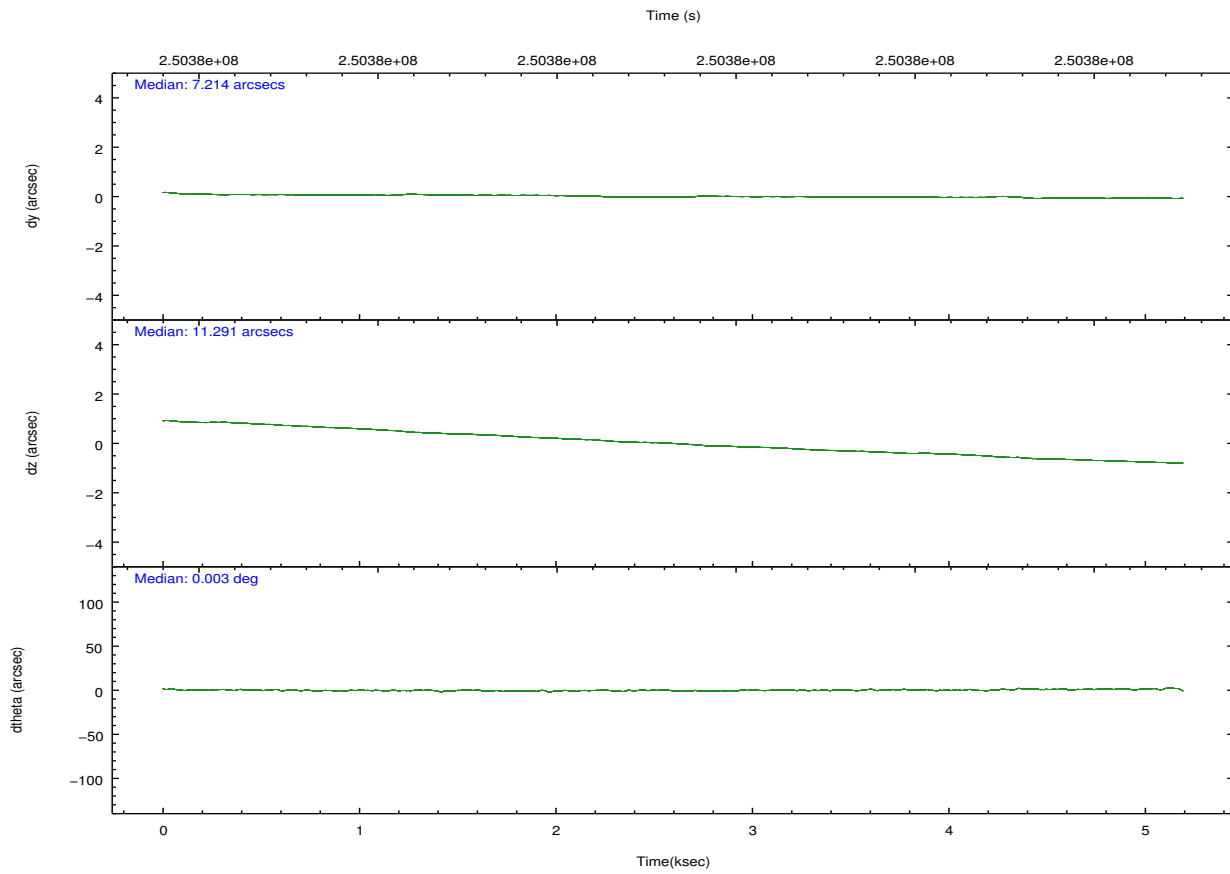
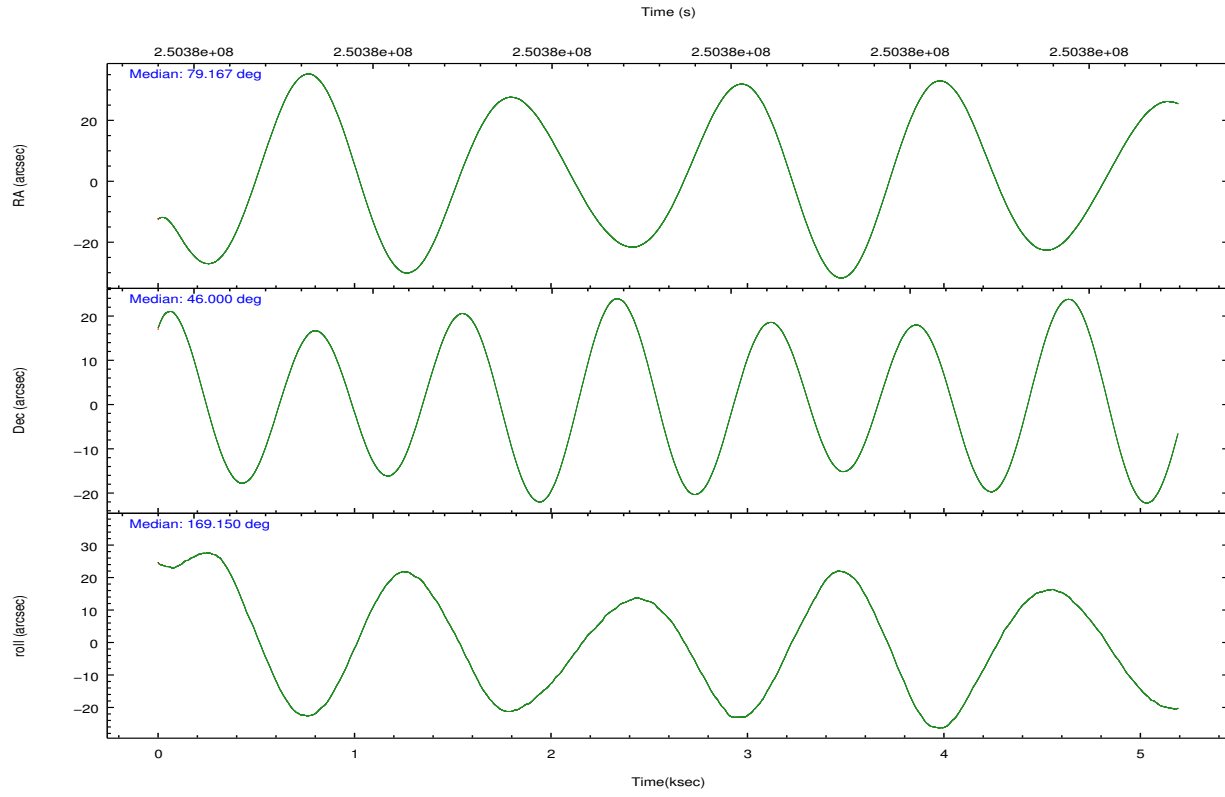
	segment 0
level 1 events	417056
rejected events	15630
rejected %	3%

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	79.204055	79.16732189227378			
[deg] Pointing Dec	46.009783	46.0001914720979			
[deg] Pointing Roll	169.226054	169.1570087126005			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	132.985494	132.9771076689053			
[mm] SIM translation stage offset	-6	-5.991618777303728			
[s] Observation start time (MET)	250377247.184000	250376282.24448			
Observation start date	2005-12-07T21:13:03	2005-12-07T20:58:02			
[s] Observation end time (MET)	250382247.184000	250382380.99476			
Observation end date	2005-12-07T22:36:23	2005-12-07T22:39:40			

2.3 Aspect



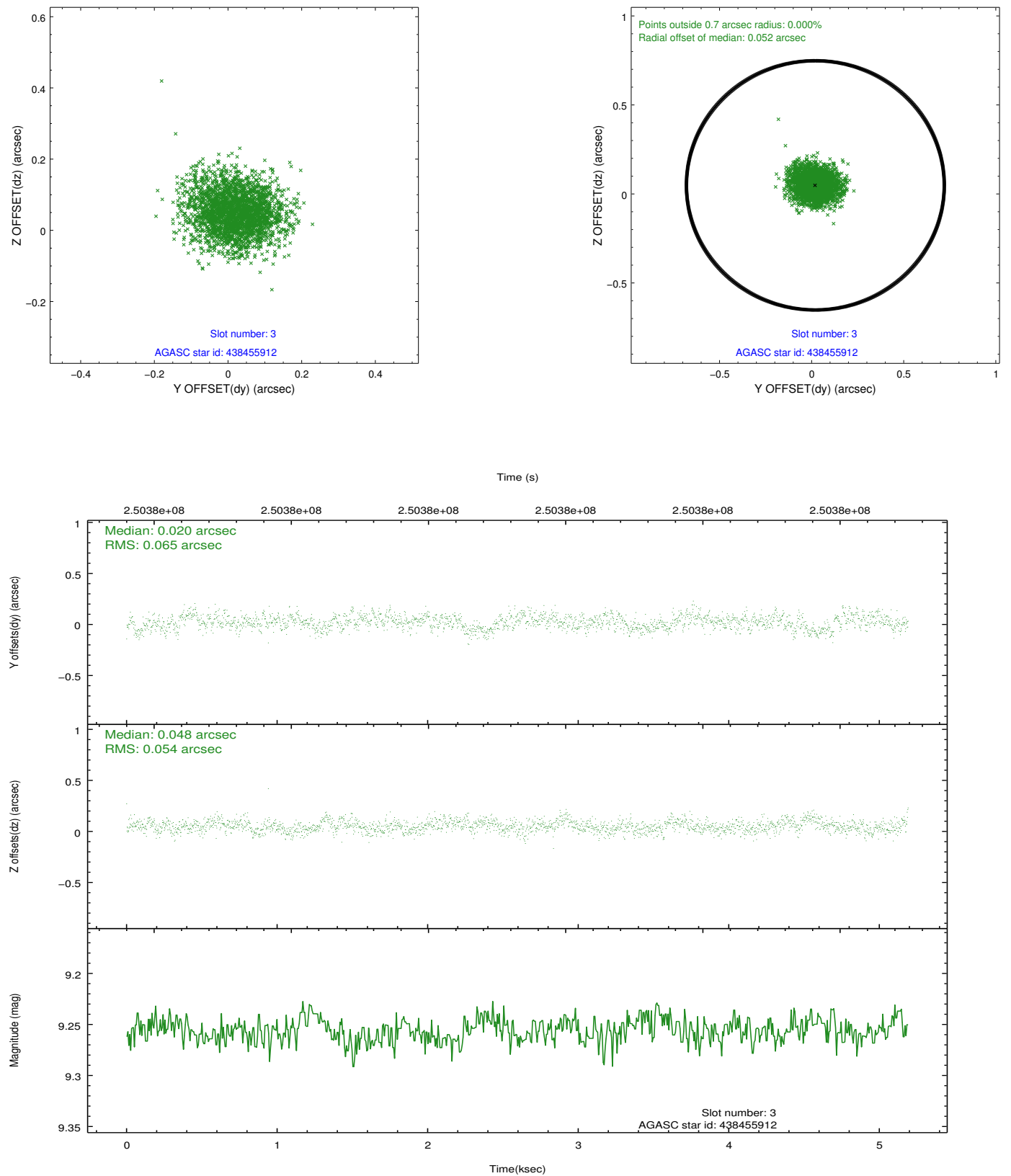


Slot Statistics

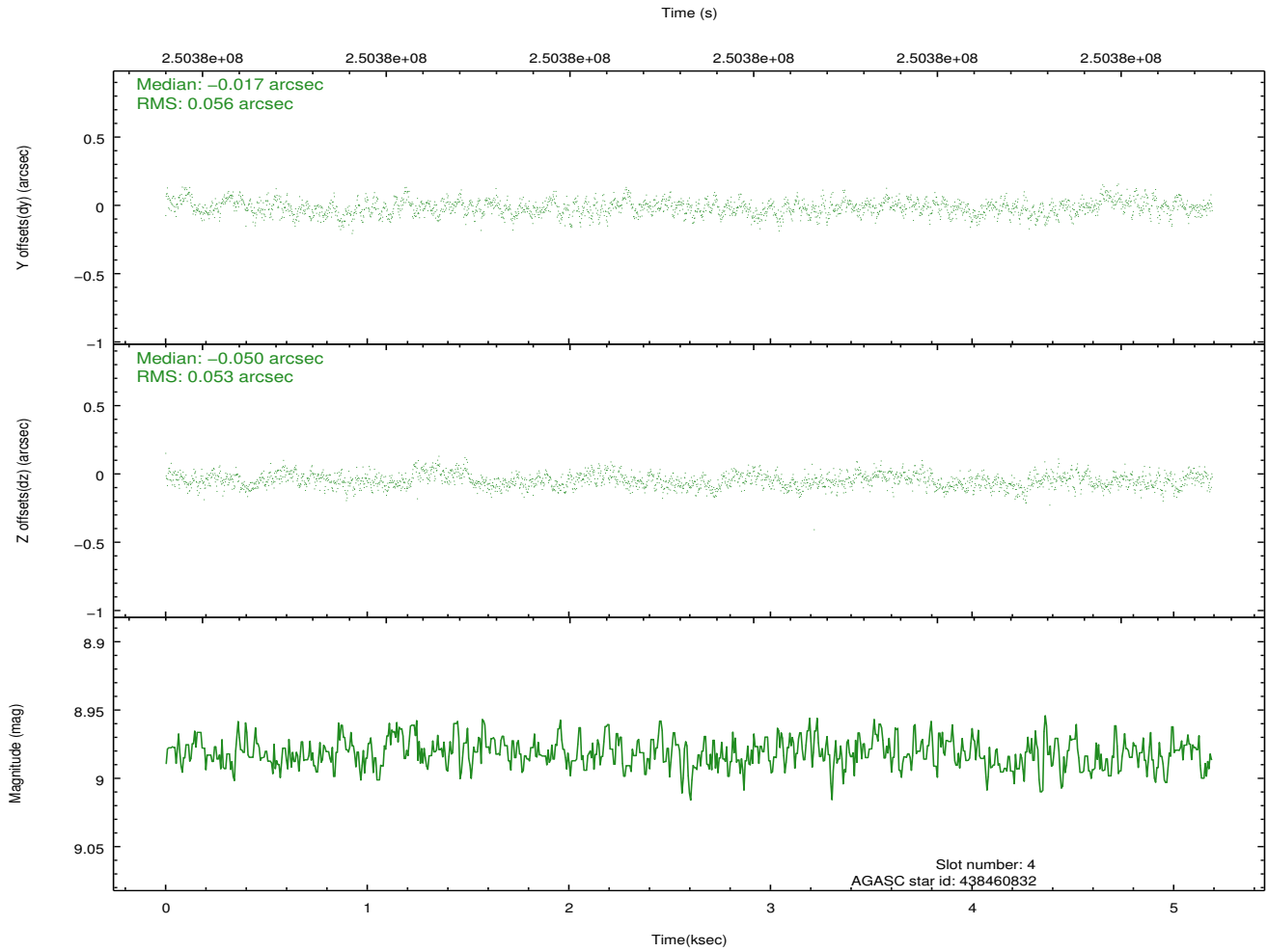
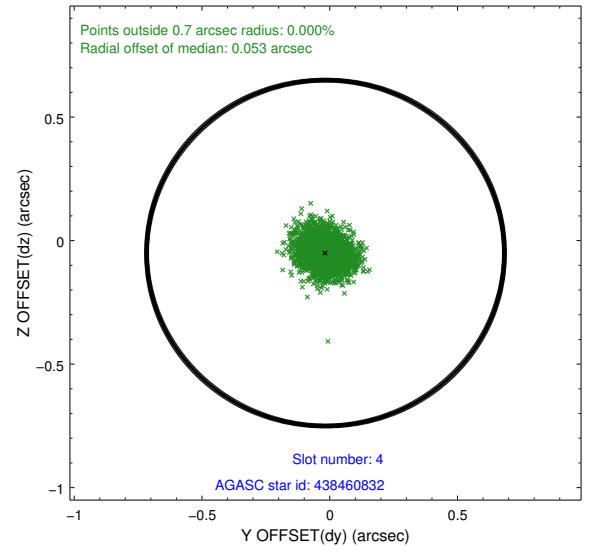
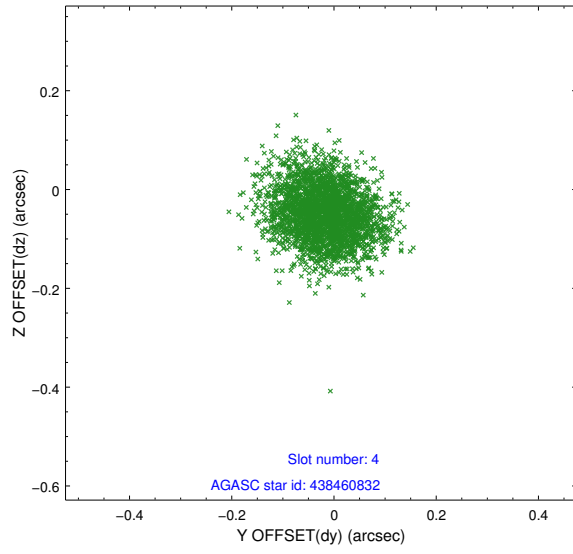
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.05	1266	0.043	-0.414	0.014	0.022	0.000000	0.000000	-762.86	-1422.36
1	FID	HRC-I-2	7.08	1267	0.039	0.047	0.008	0.016	0.000000	0.000000	849.51	-1425.08
2	FID	HRC-I-3	7.15	1267	0.037	0.275	0.011	0.022	0.000000	0.000000	-1190.56	881.08
3	GUIDE	438455912	9.26	2532	0.020	0.048	0.089	0.149	78.251946	45.690923	2139.94	1561.16
4	GUIDE	438460832	8.98	2533	-0.017	-0.050	0.082	0.132	78.414614	45.554782	1651.10	1972.05
5	GUIDE	440149808	8.51	2532	0.034	0.037	0.071	0.115	78.873930	46.405955	1072.81	-1249.02
6	GUIDE	440150048	7.15	2532	-0.071	-0.015	0.070	0.112	79.112838	46.416060	496.36	-1395.47
7	GUIDE	440163960	8.88	2531	0.035	-0.023	0.081	0.135	79.298370	45.827072	-355.31	600.68

2.4 Star Slots

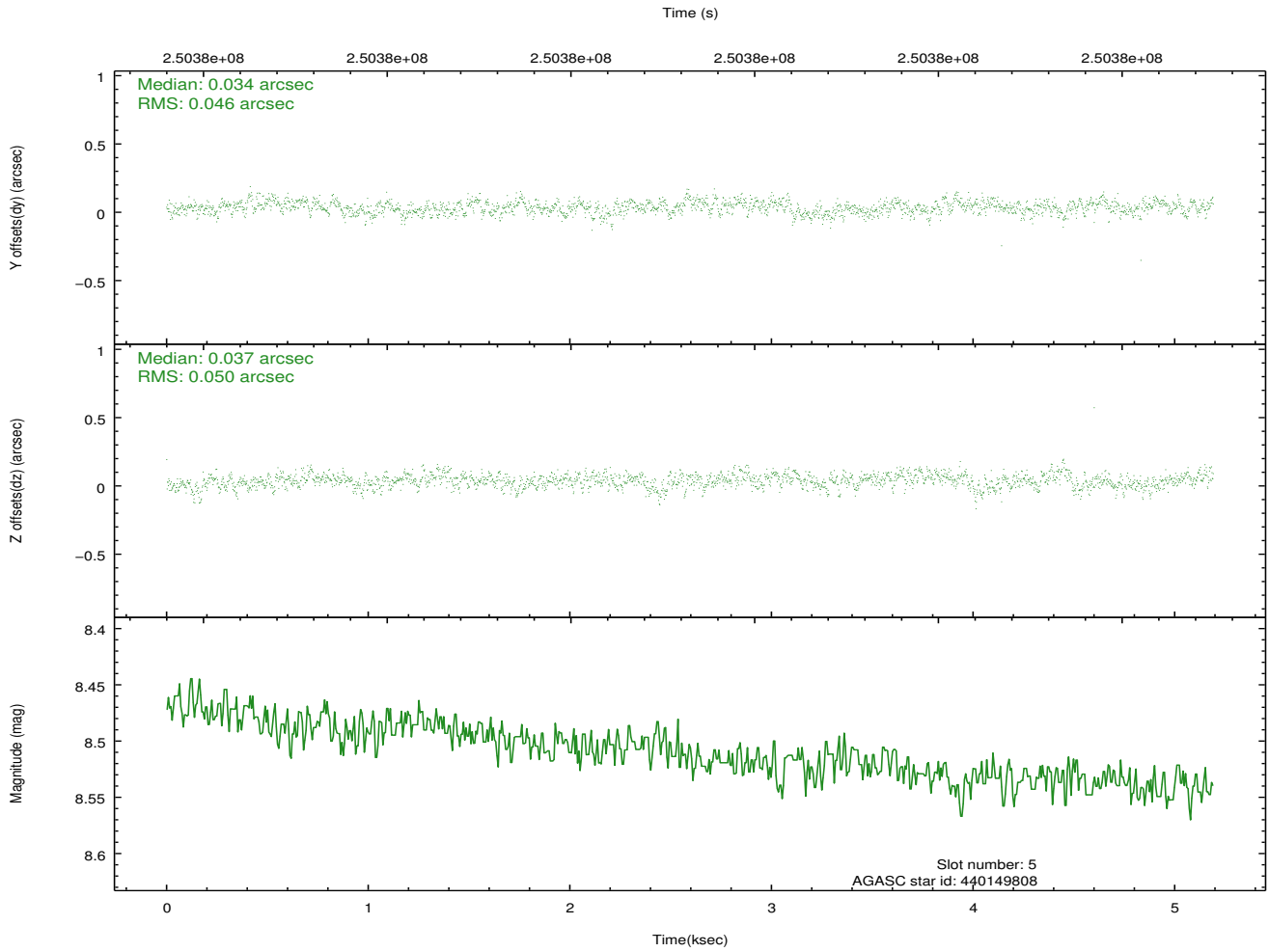
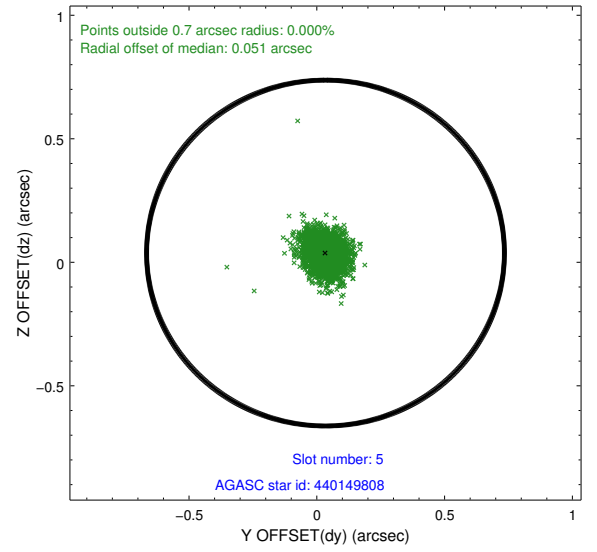
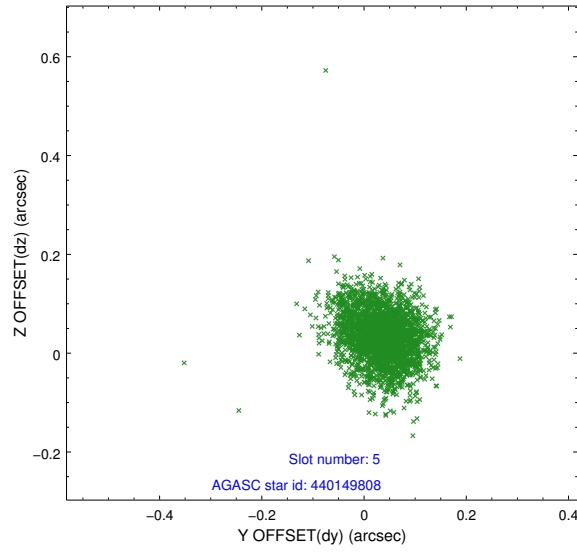
2.4.1 Slot 3



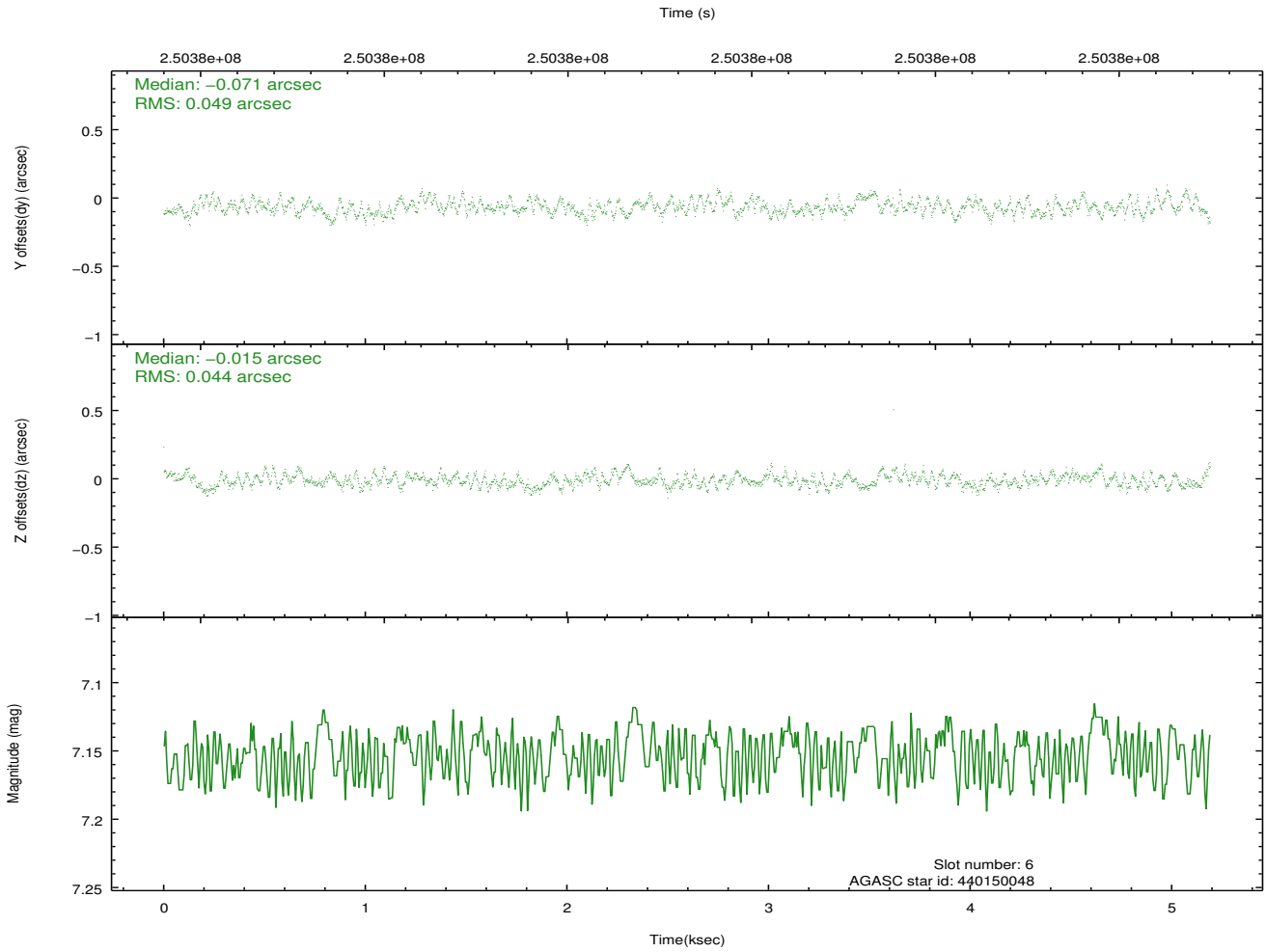
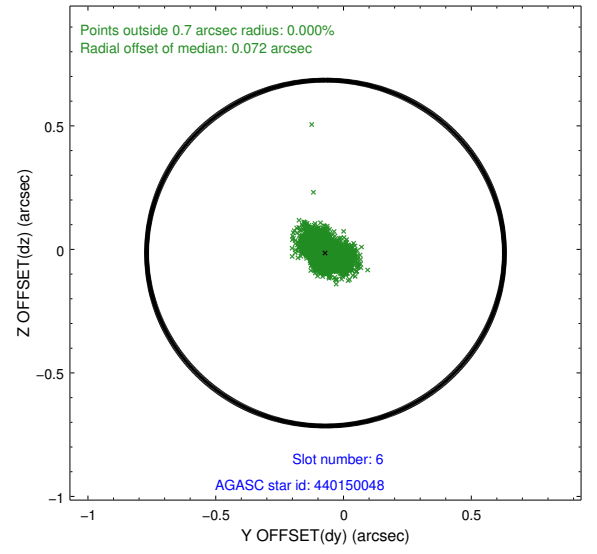
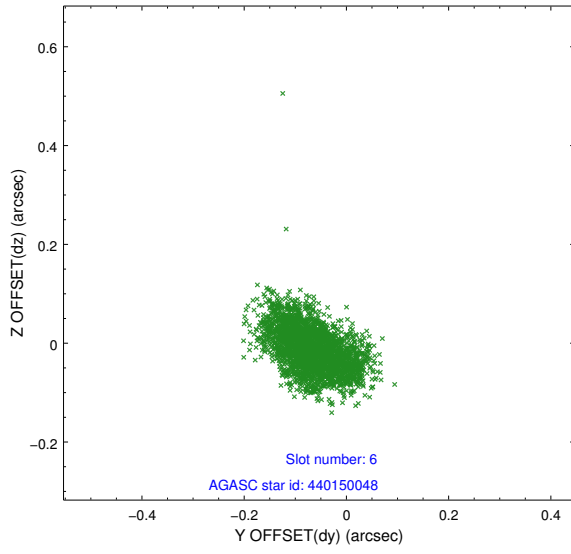
2.4.2 Slot 4



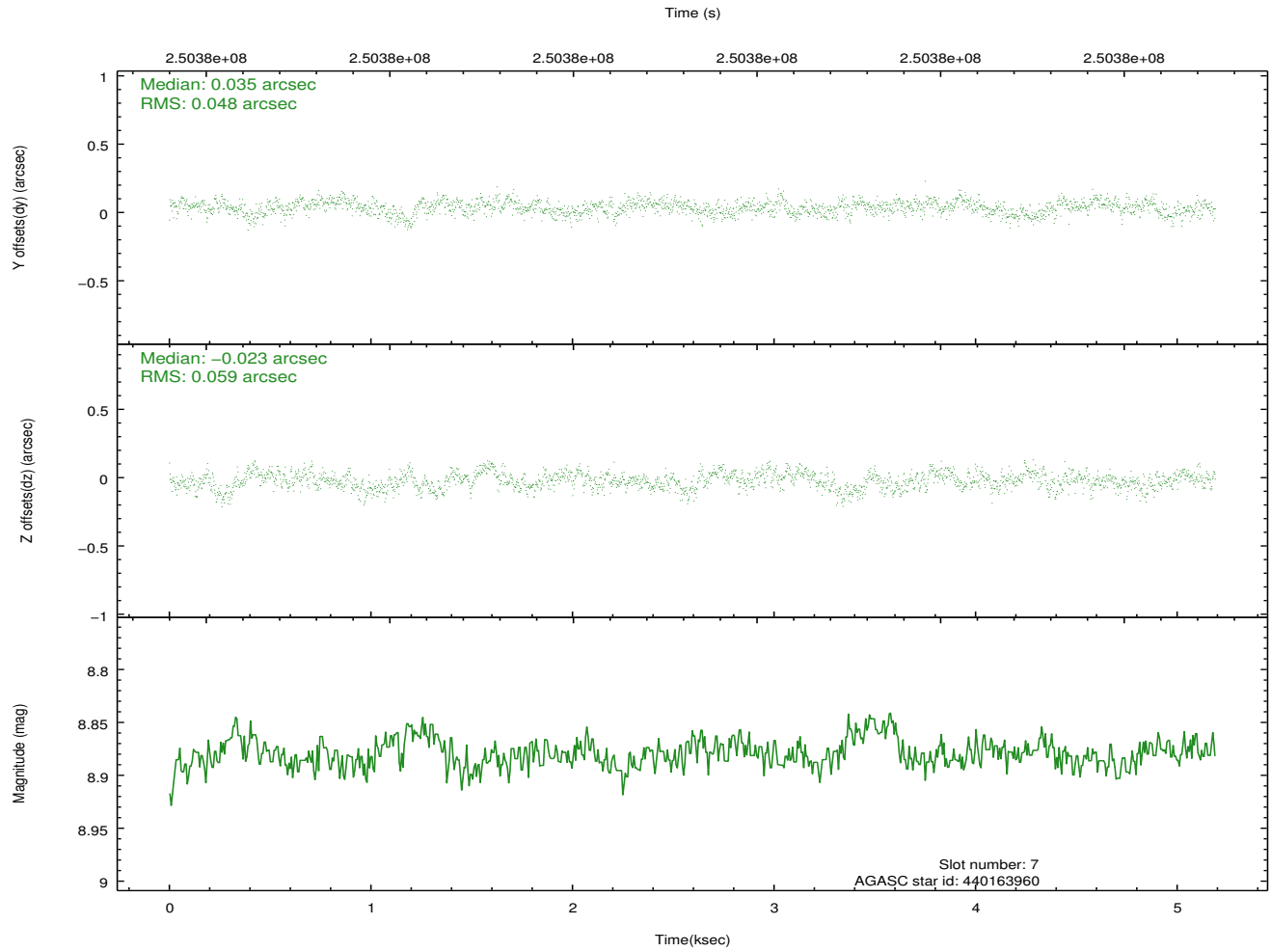
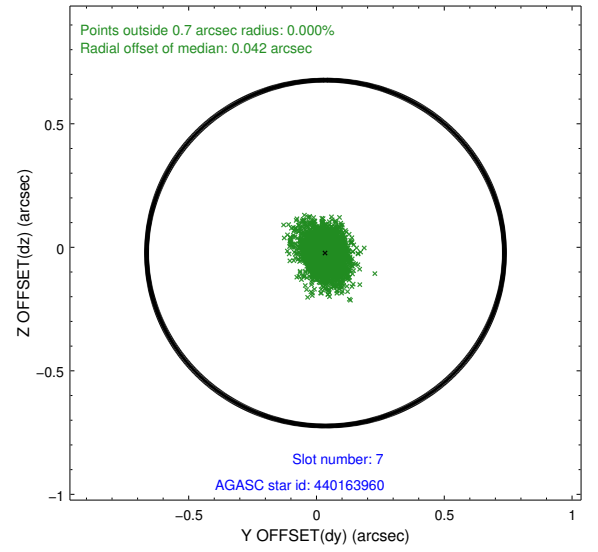
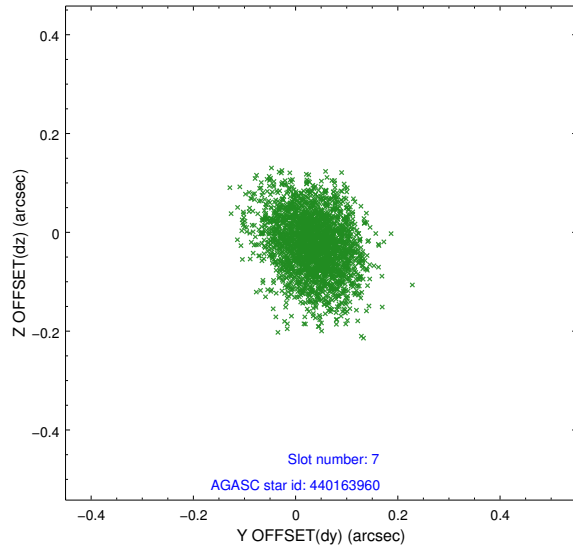
2.4.3 Slot 5



2.4.4 Slot 6

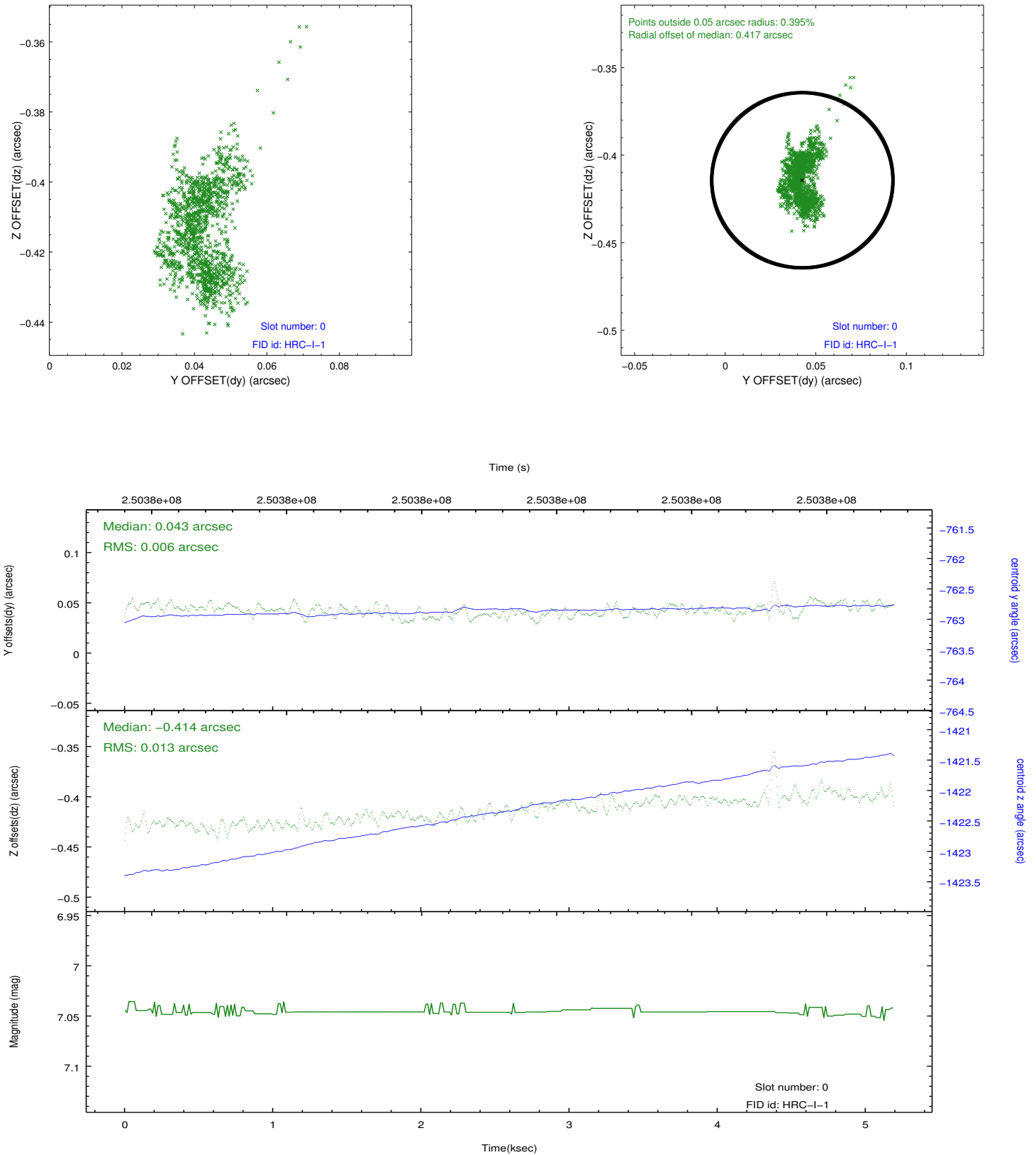


2.4.5 Slot 7

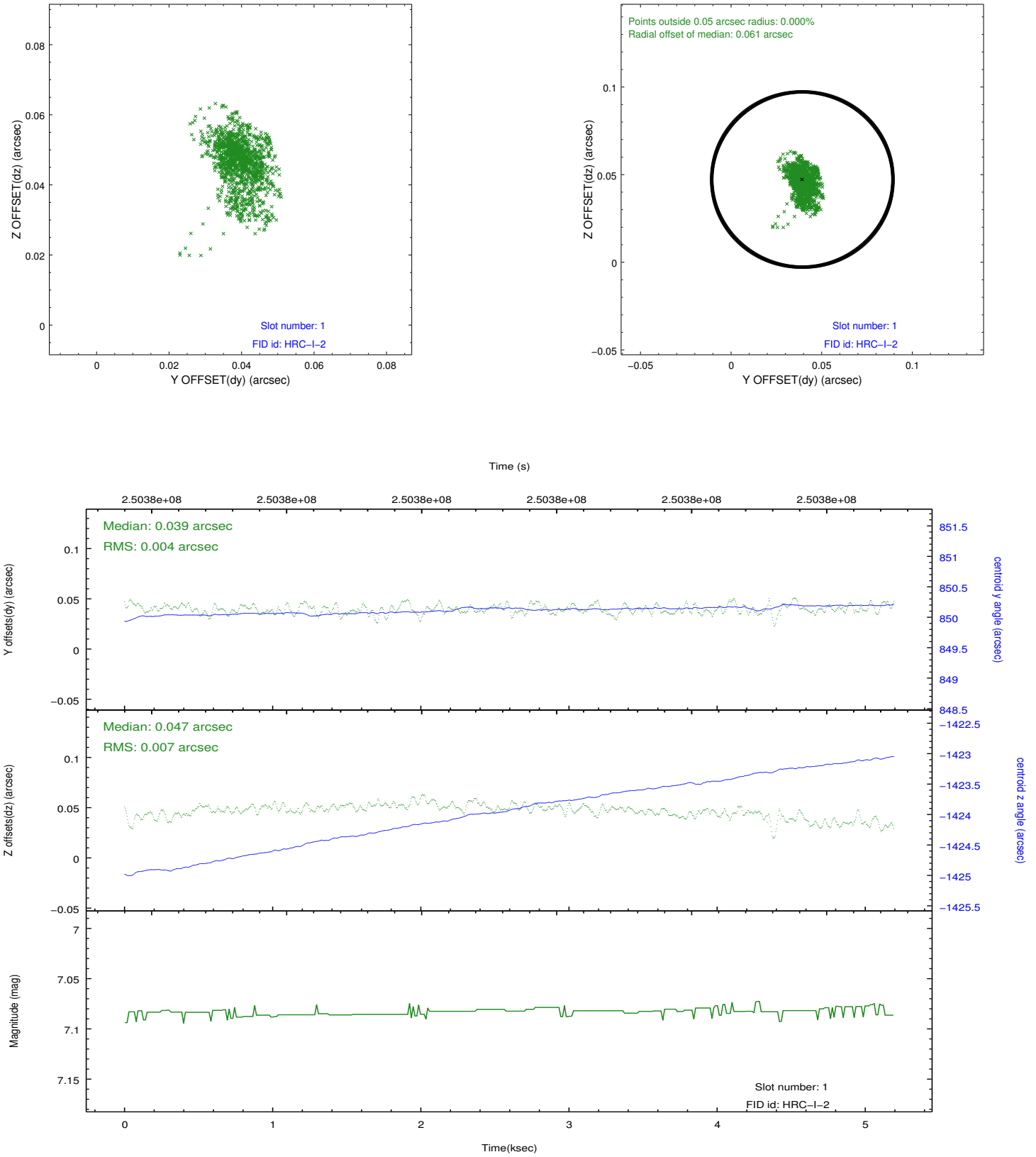


2.5 FID Slots

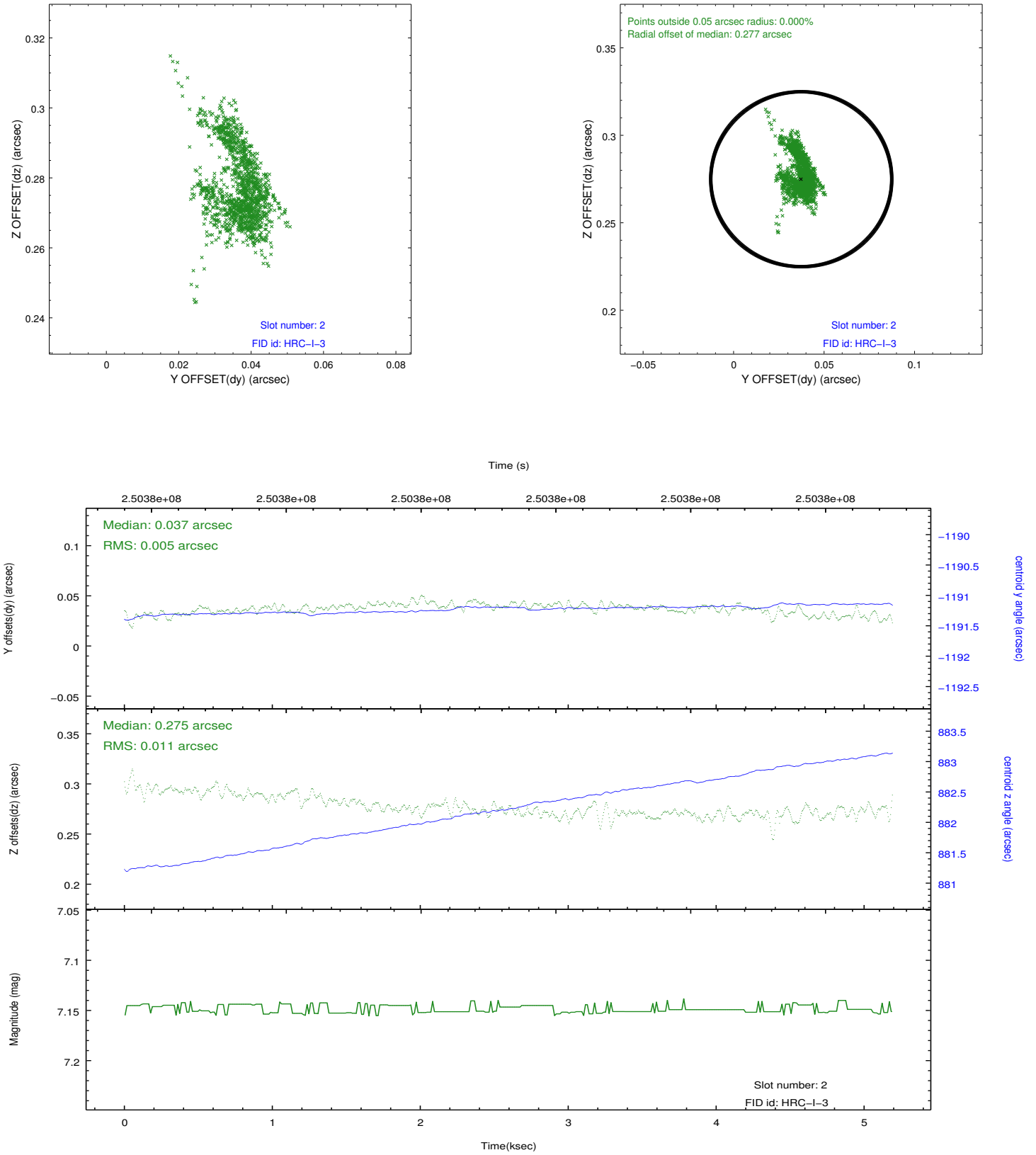
2.5.1 Slot 0



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	4.796231

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.