

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5107 - L2 Version 3
Chandra X-Ray Center

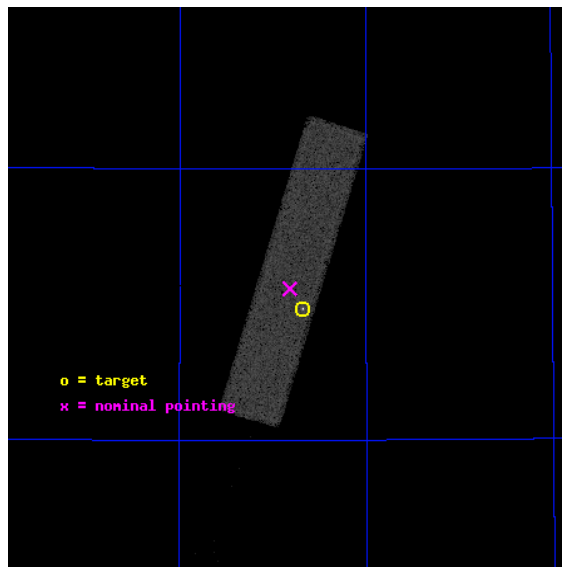
L2 Processing Date : Dec 11 2012

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1 Front

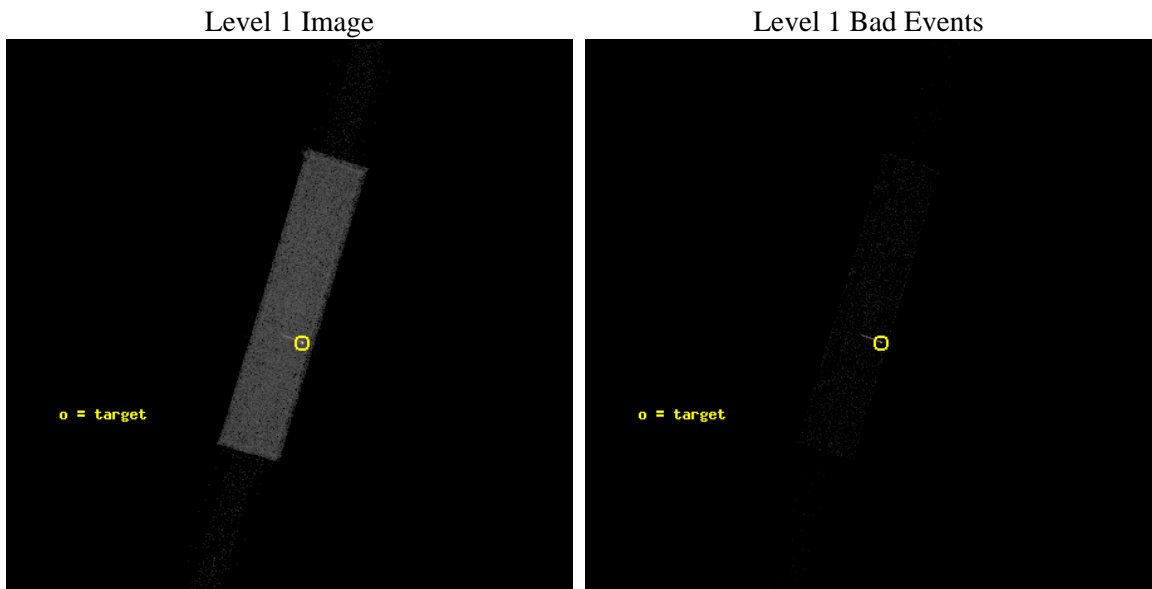
seq_num	290380	Sequence number
obs_id	5107	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20444668688	Nominal RA [deg]
dec_nom	45.77950555566	Nominal Dec [deg]
roll_nom	286.88677093676	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1054.9812974334	[s]
livetime	1047.6494785533	Ontime multiplied by DTCOR
l2events	51866	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1054.9812974334	[s]
caldsver	4.5.4	 	l1events	85003	Number of level 1 events
date	2012-12-11T23:58:02	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

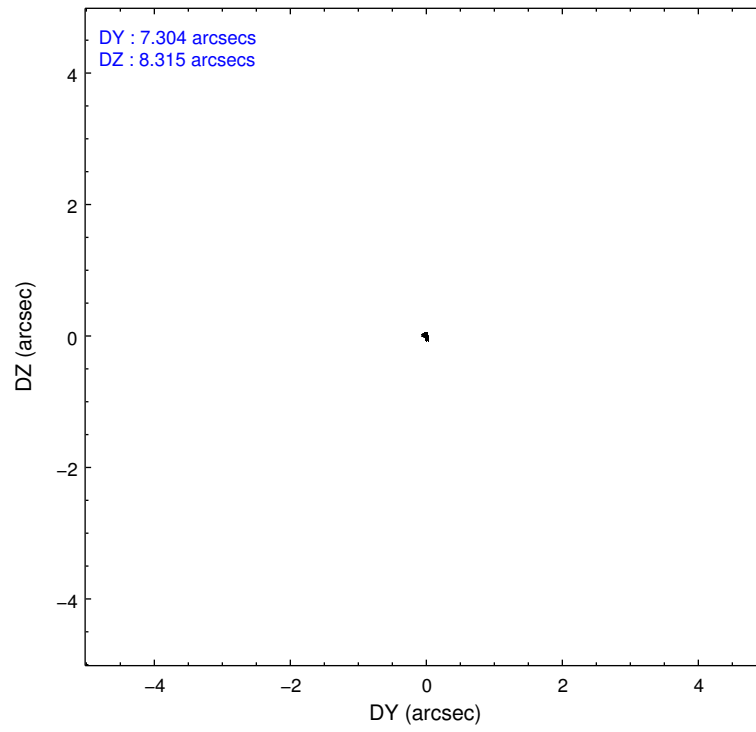
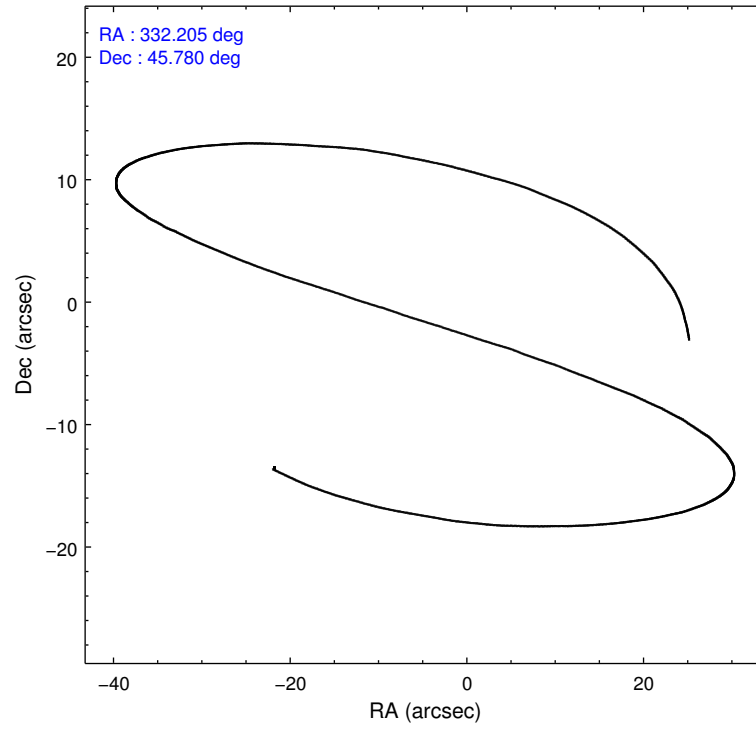
Level 1 Events

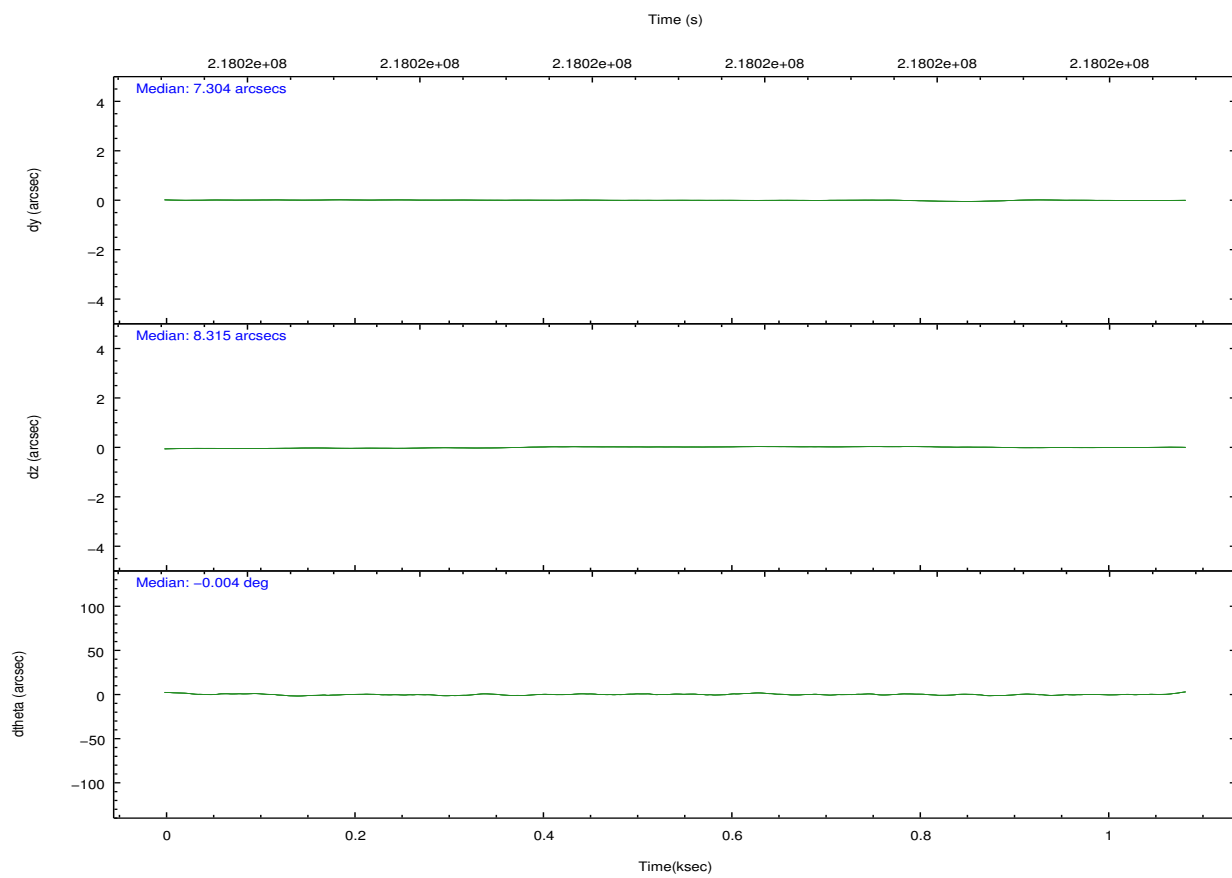
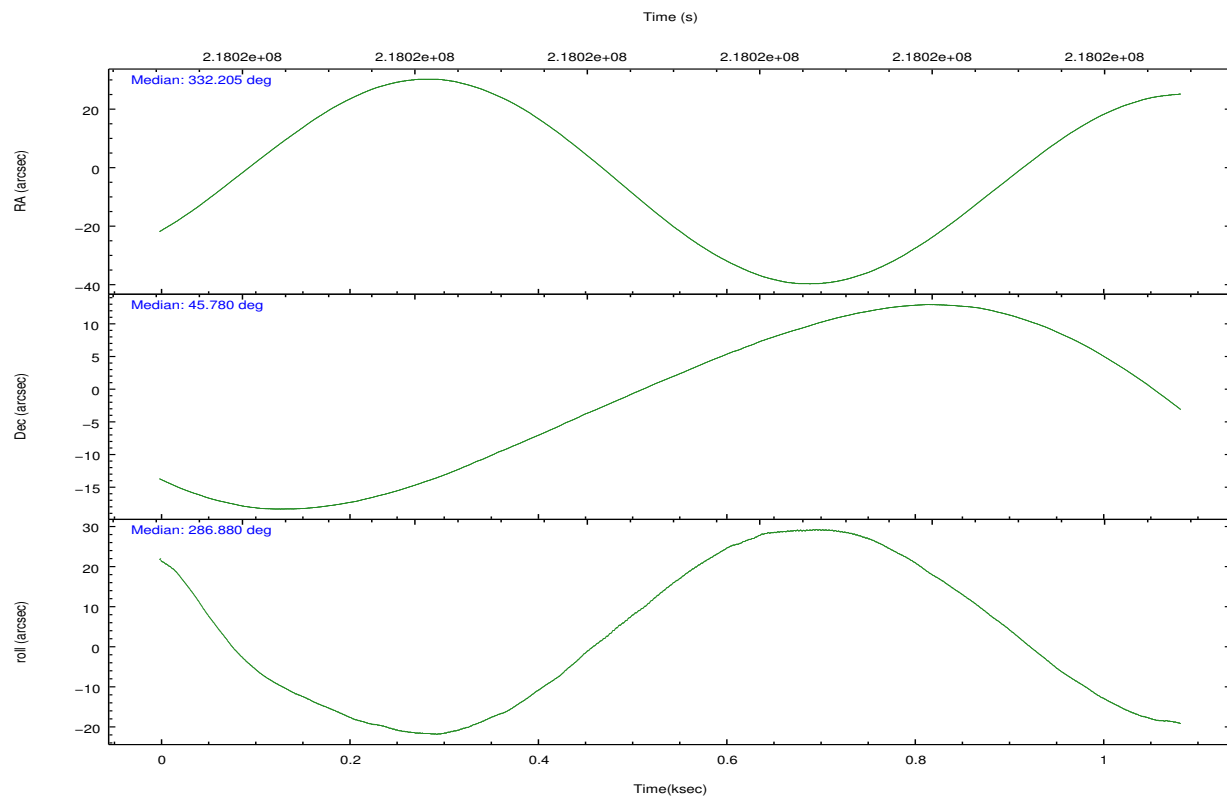
	segment 1	segment 2	segment 3
level 1 events	920	83267	816
rejected events	920	20330	806
rejected %	100%	24%	98%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.172356	332.2044466868819			
[deg] Pointing Dec	45.797831	45.77950555566009			
[deg] Pointing Roll	286.842399	286.8867709367606			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	218015733.184000	218015356.94355			
Observation start date	2004-11-28T07:54:29	2004-11-28T07:49:16			
[s] Observation end time (MET)	218016633.184000	218016767.34361			
Observation end date	2004-11-28T08:09:29	2004-11-28T08:12:47			

2.3 Aspect



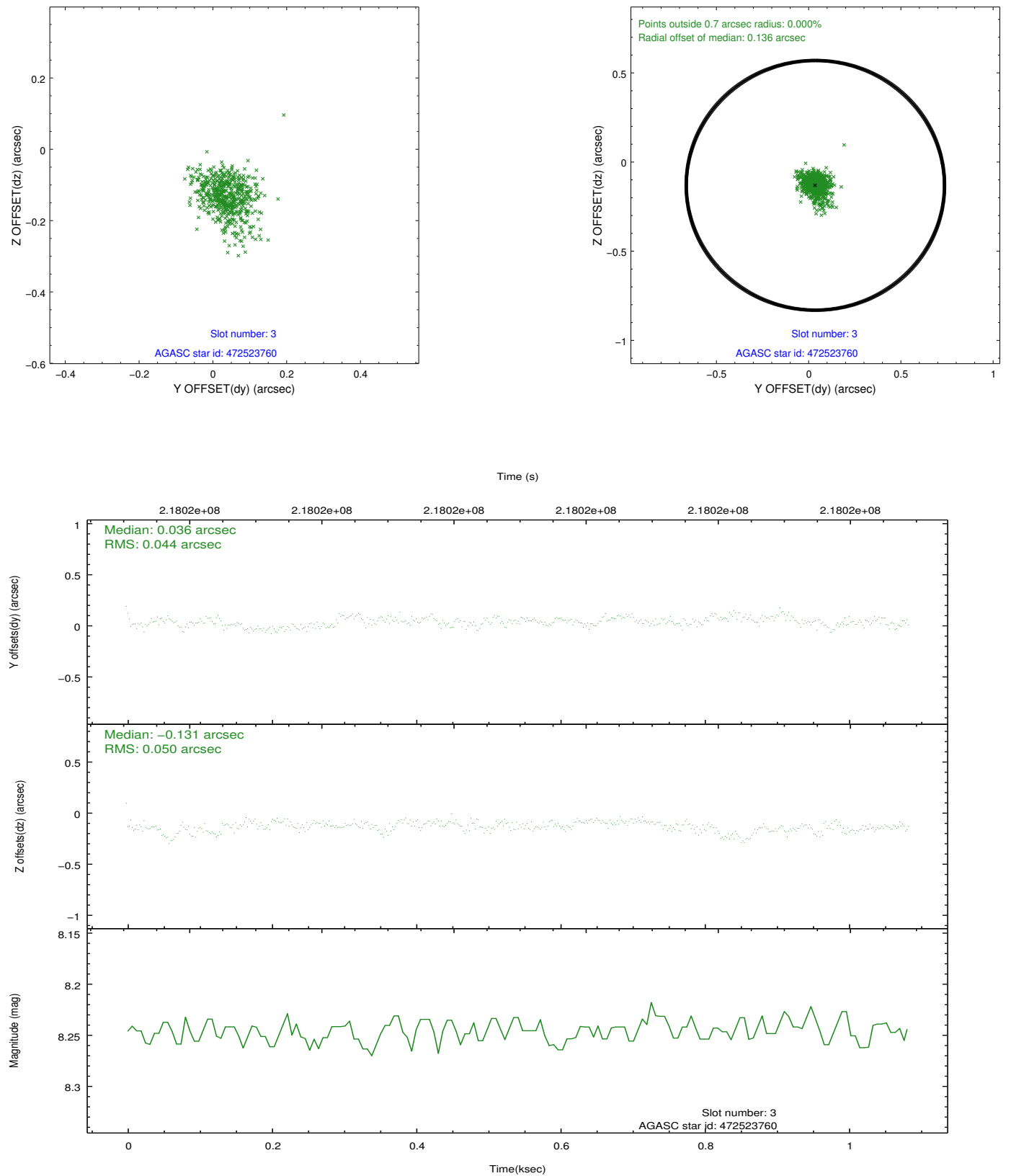


Slot Statistics

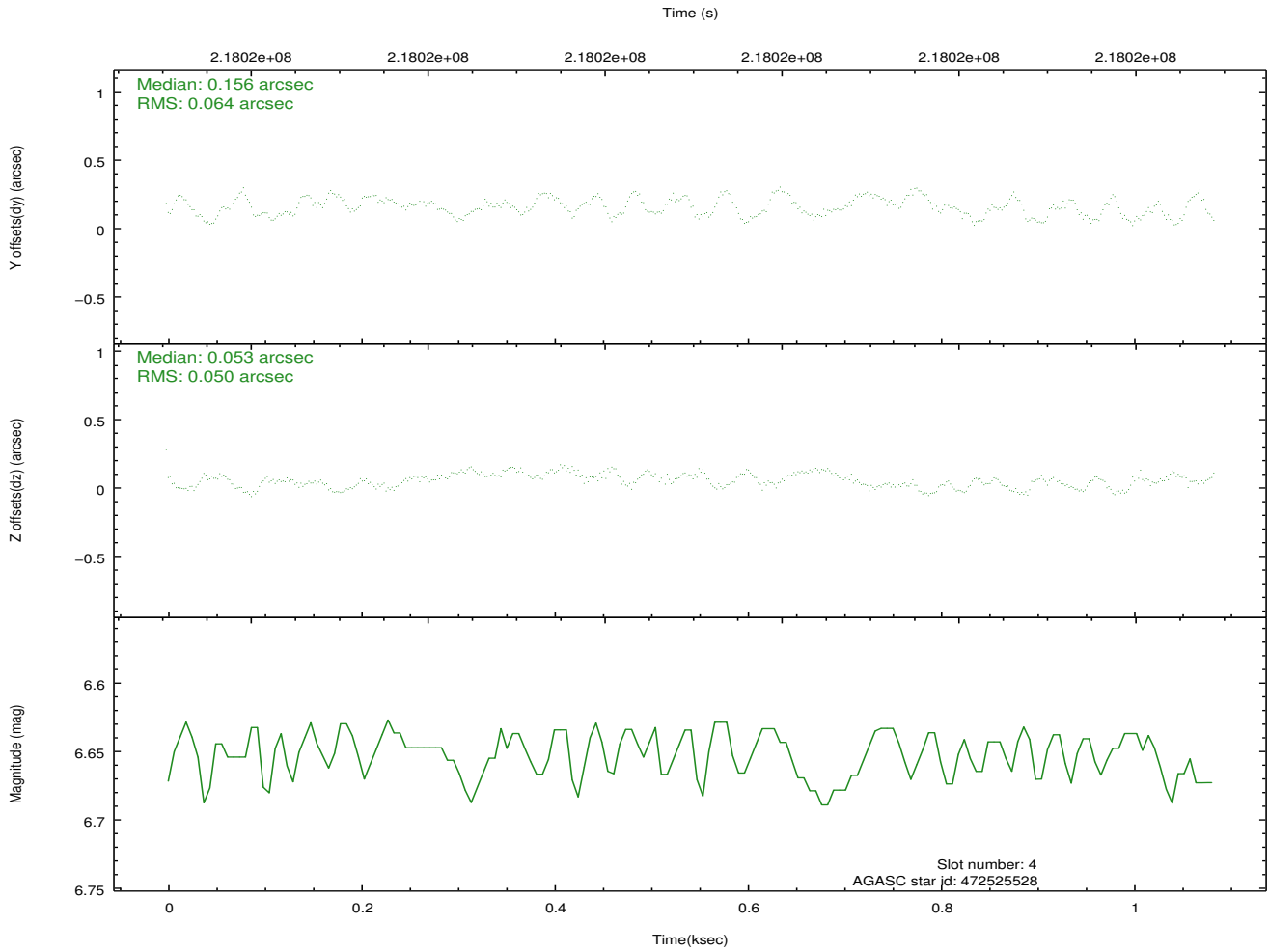
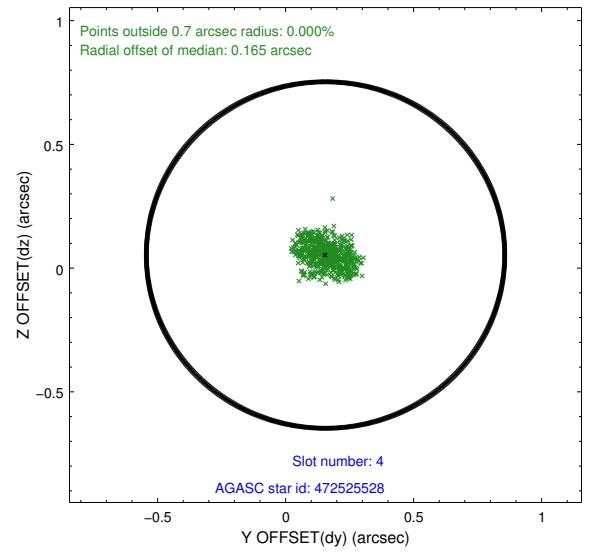
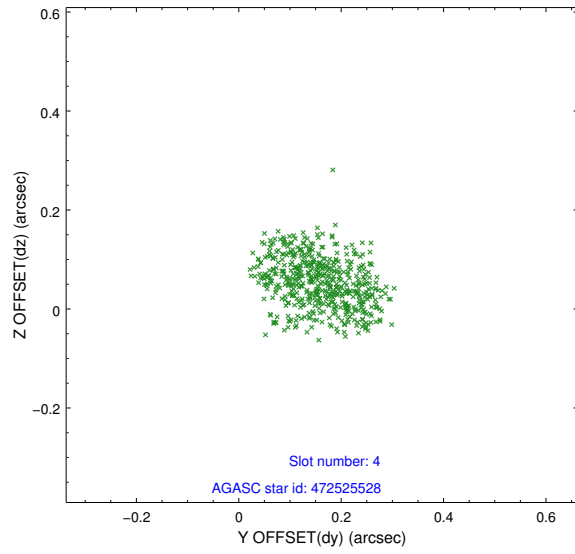
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.04	265	0.142	-0.156	0.008	0.019	0.000000	0.000000	1238.23	-449.58
1	FID	HRC-S-3	7.05	265	0.071	-0.095	0.006	0.010	0.000000	0.000000	-1159.57	570.94
2	FID	HRC-S-4	7.00	265	0.192	-0.044	0.008	0.018	0.000000	0.000000	1232.48	577.42
3	GUIDE	472523760	8.25	530	0.036	-0.131	0.068	0.119	331.645363	45.403260	969.98	-1686.95
4	GUIDE	472525528	6.65	530	0.156	0.053	0.093	0.128	331.551102	45.248694	1432.63	-2082.73
5	GUIDE	472533912	9.15	530	-0.050	0.095	0.093	0.144	331.791136	46.368695	-2240.50	-316.04
6	GUIDE	472535576	7.85	530	-0.154	-0.050	0.055	0.090	331.438373	46.291802	-2243.02	-1232.45
7	GUIDE	472659832	9.46	529	0.007	0.018	0.104	0.180	332.780399	46.098139	-604.60	1763.66

2.4 Star Slots

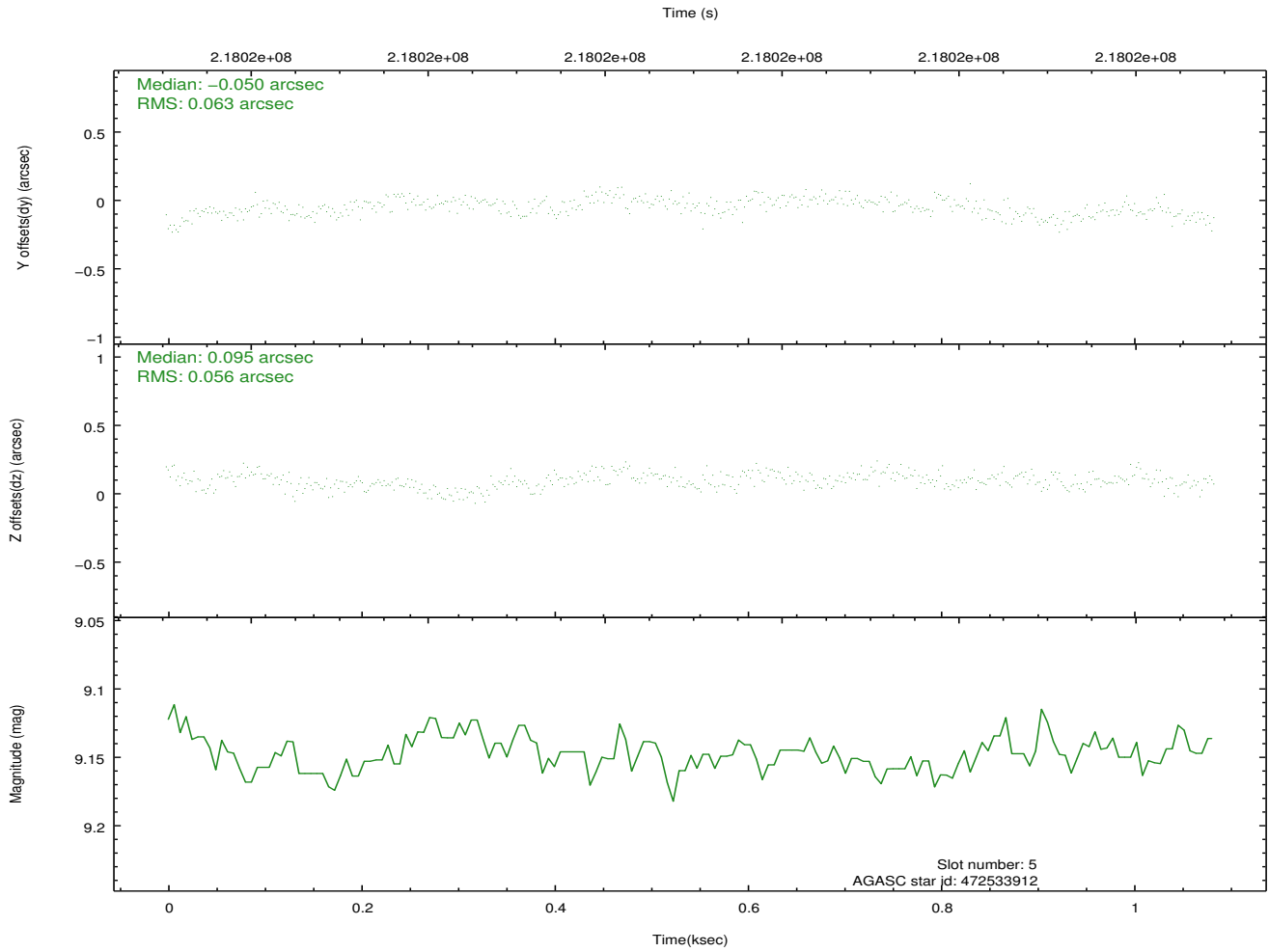
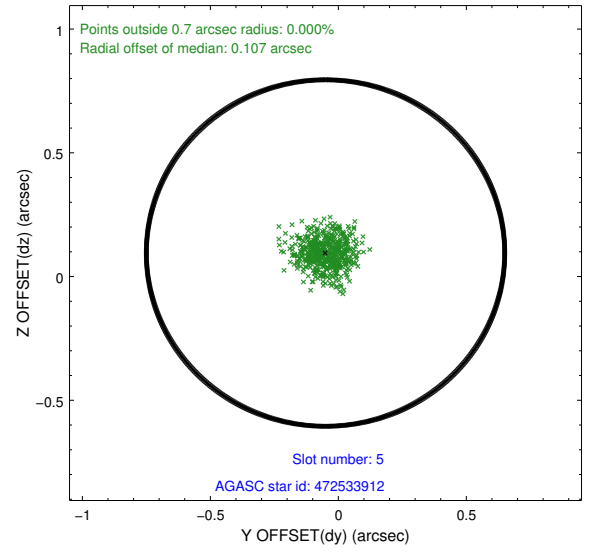
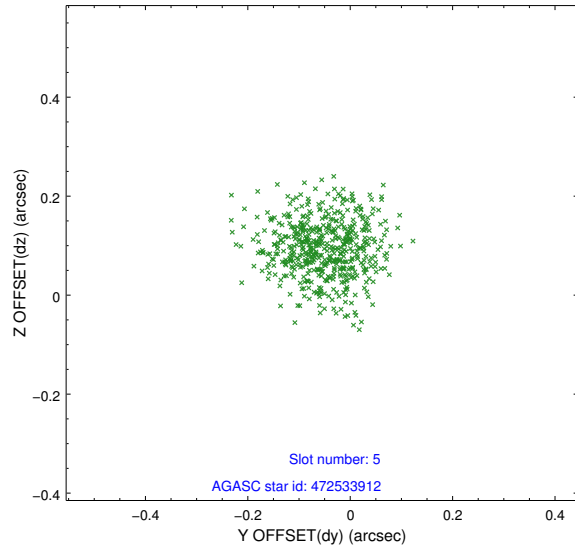
2.4.1 Slot 3



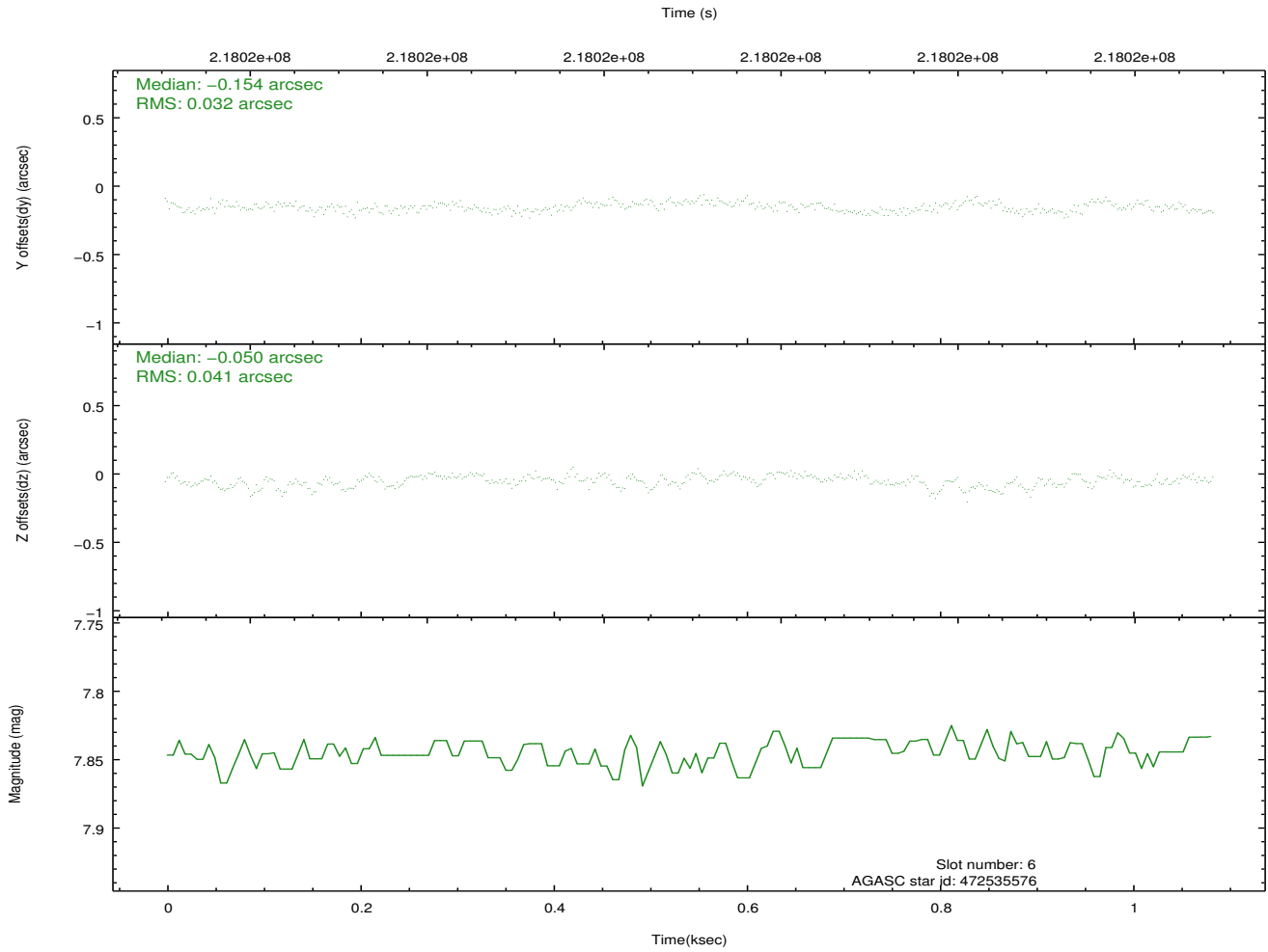
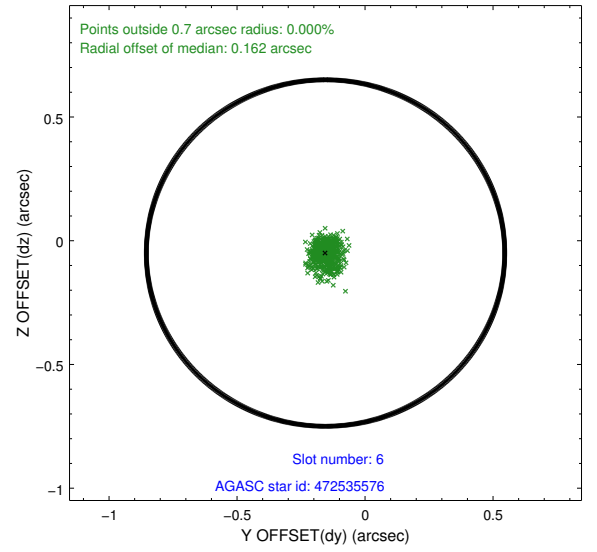
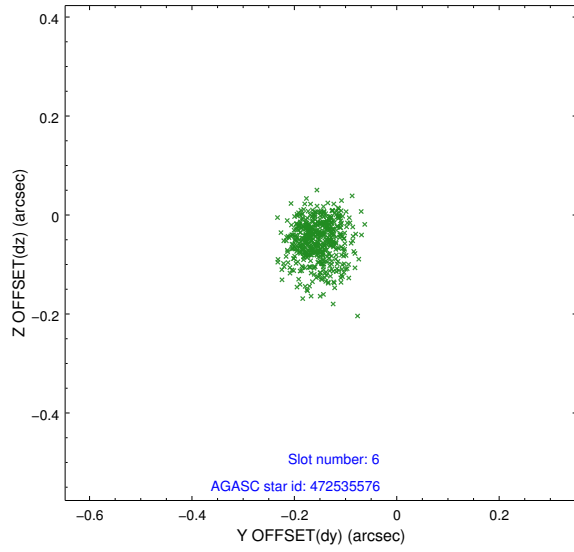
2.4.2 Slot 4



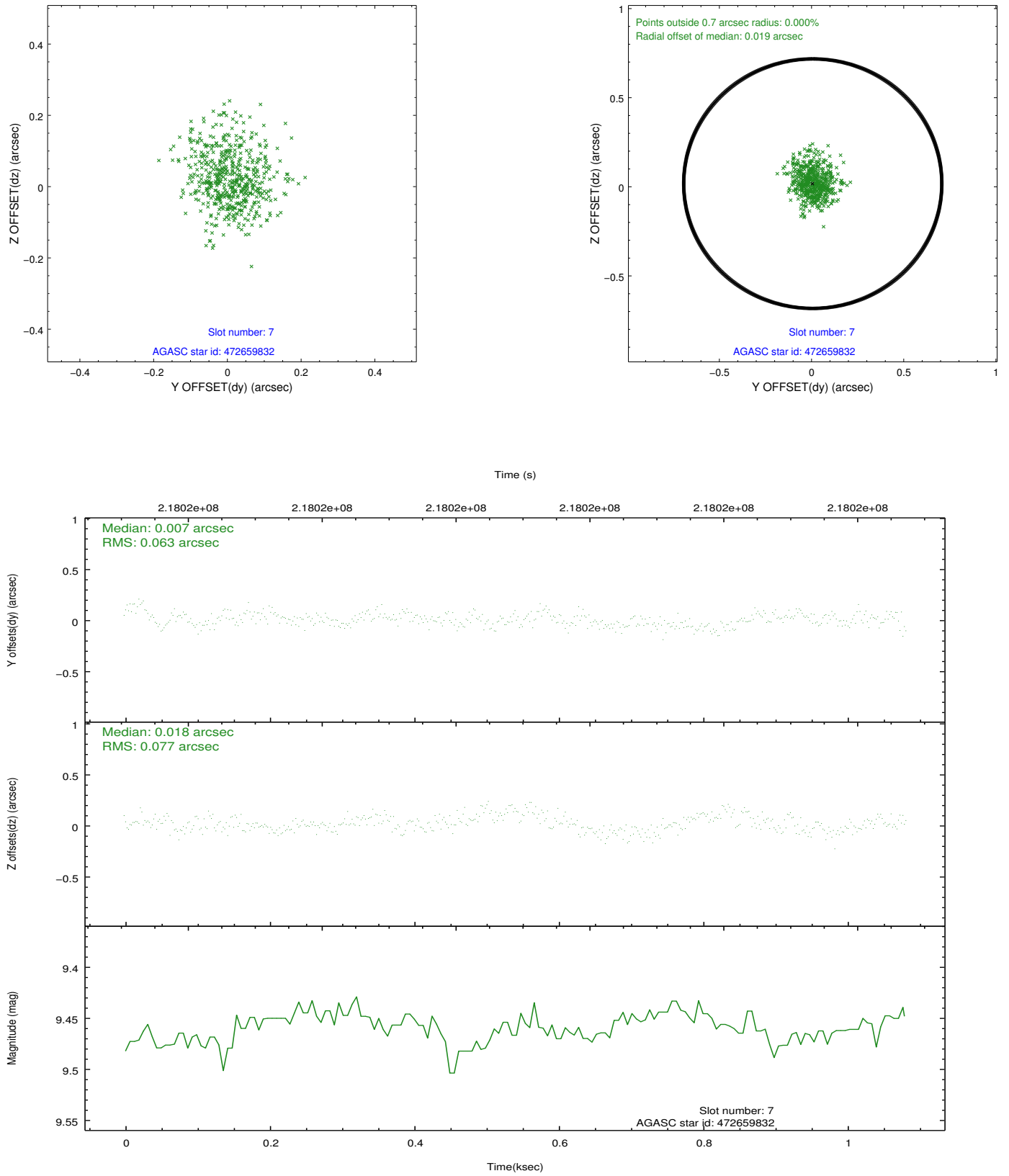
2.4.3 Slot 5



2.4.4 Slot 6

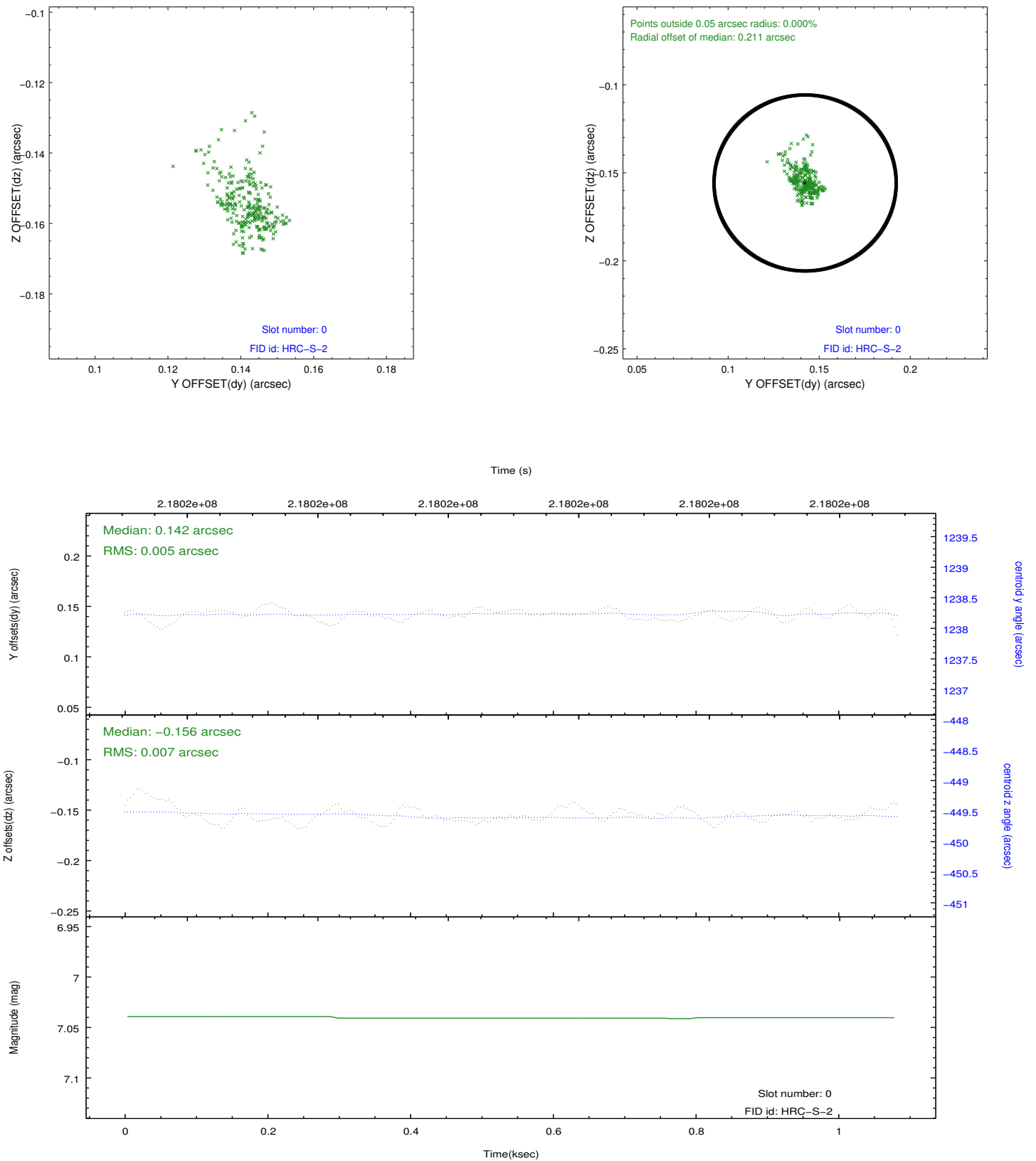


2.4.5 Slot 7

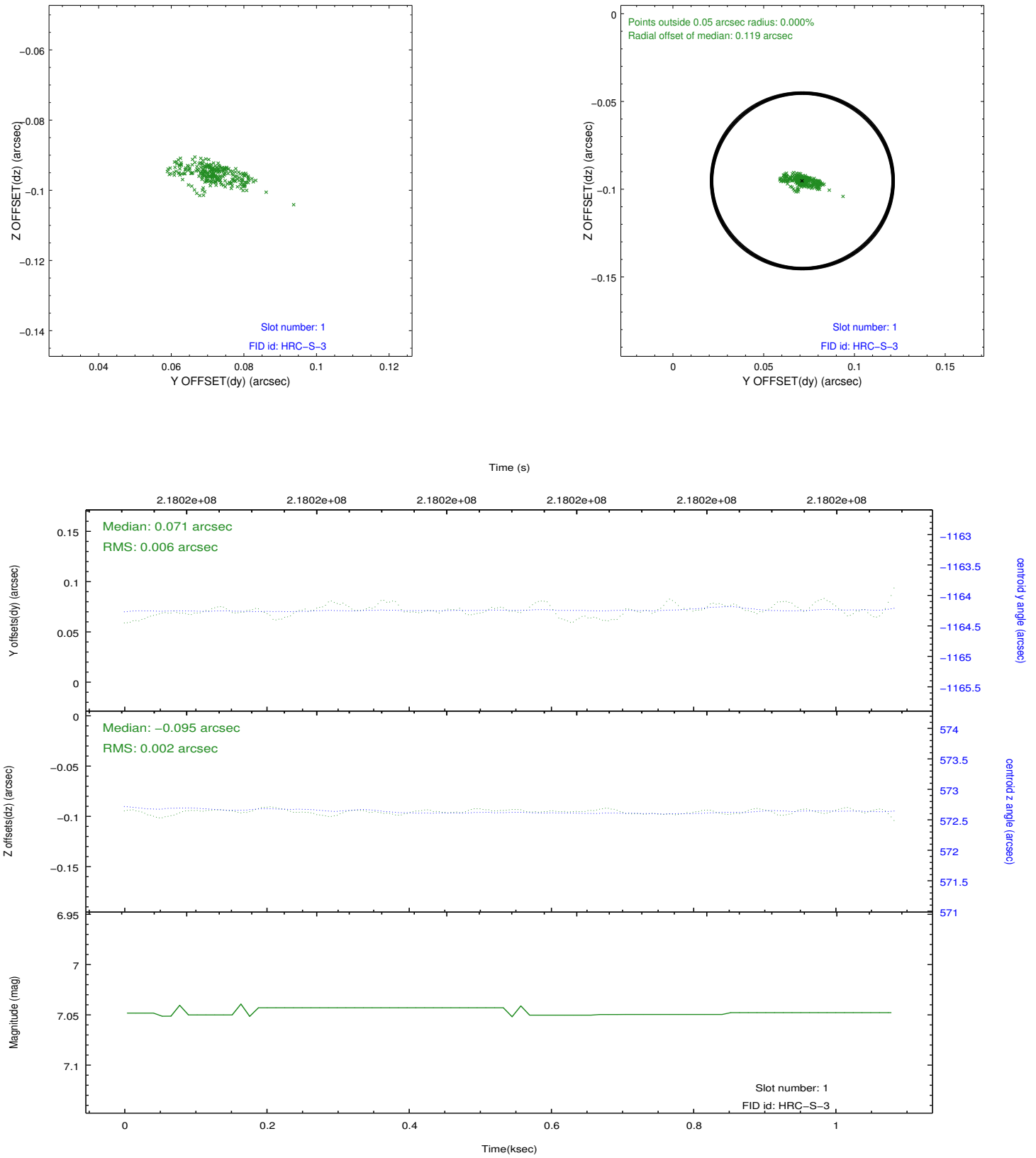


2.5 FID Slots

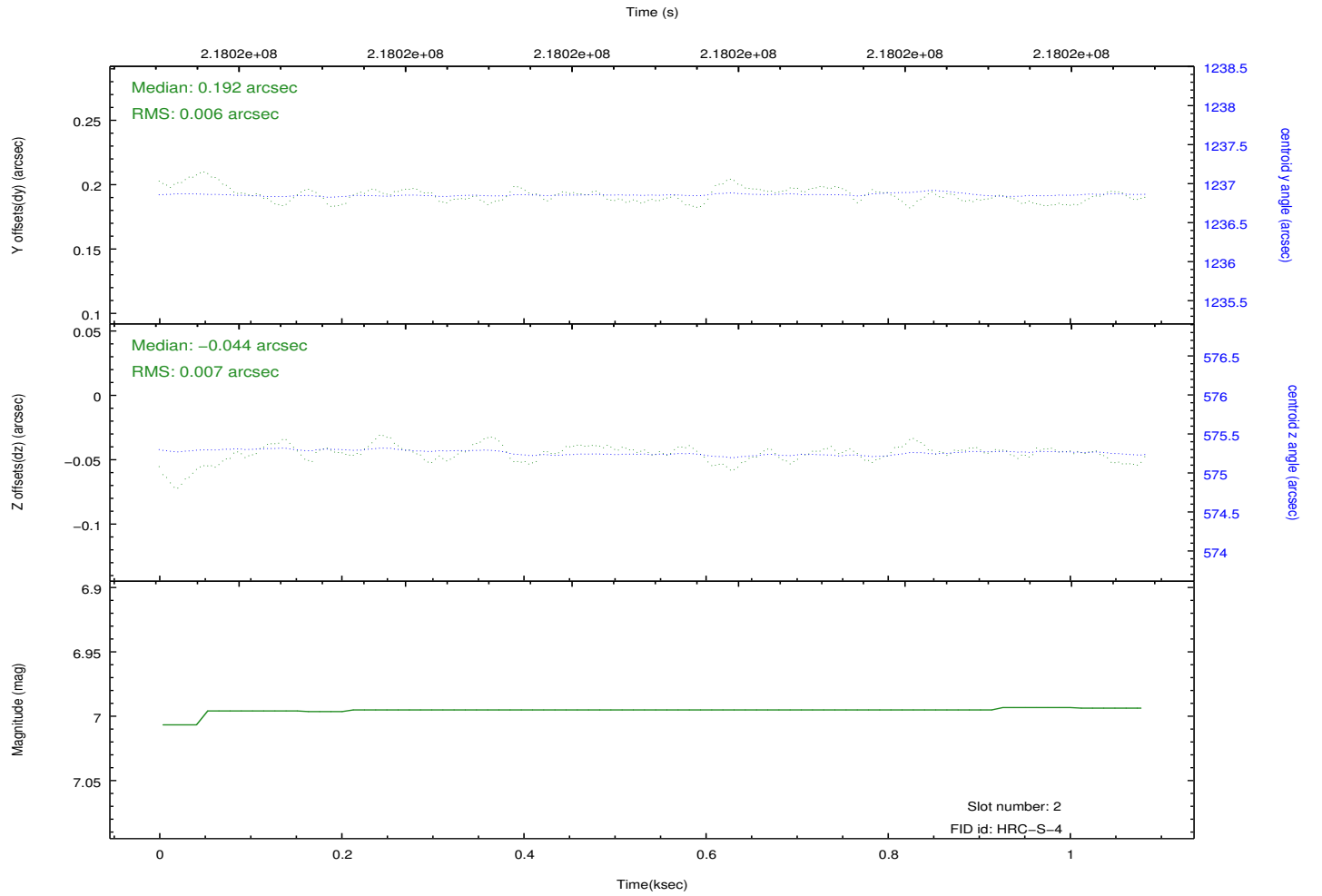
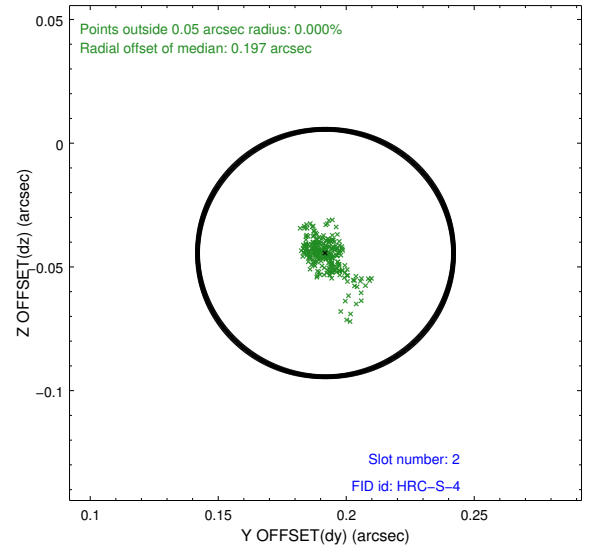
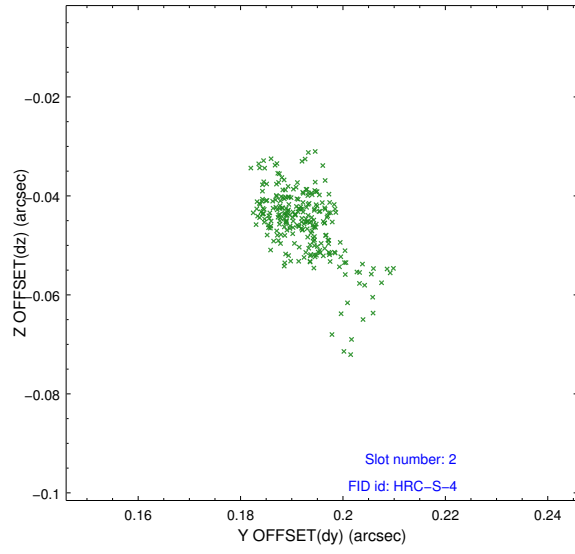
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.054981

A.2 Comments