

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4320 - L2 Version 3
Chandra X-Ray Center

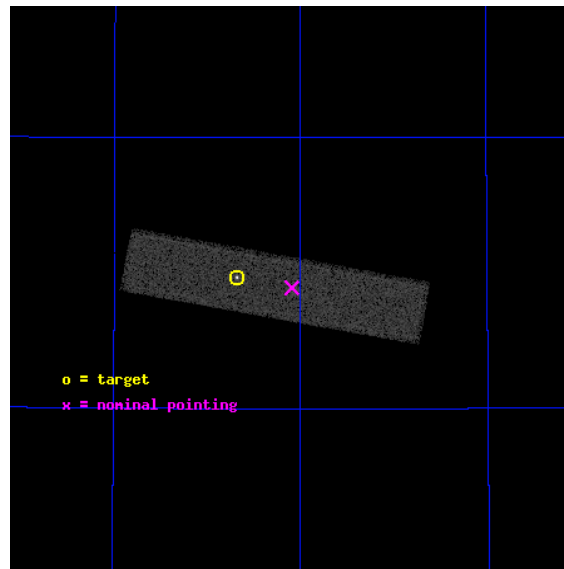
L2 Processing Date : Nov 2 2012

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1 Front

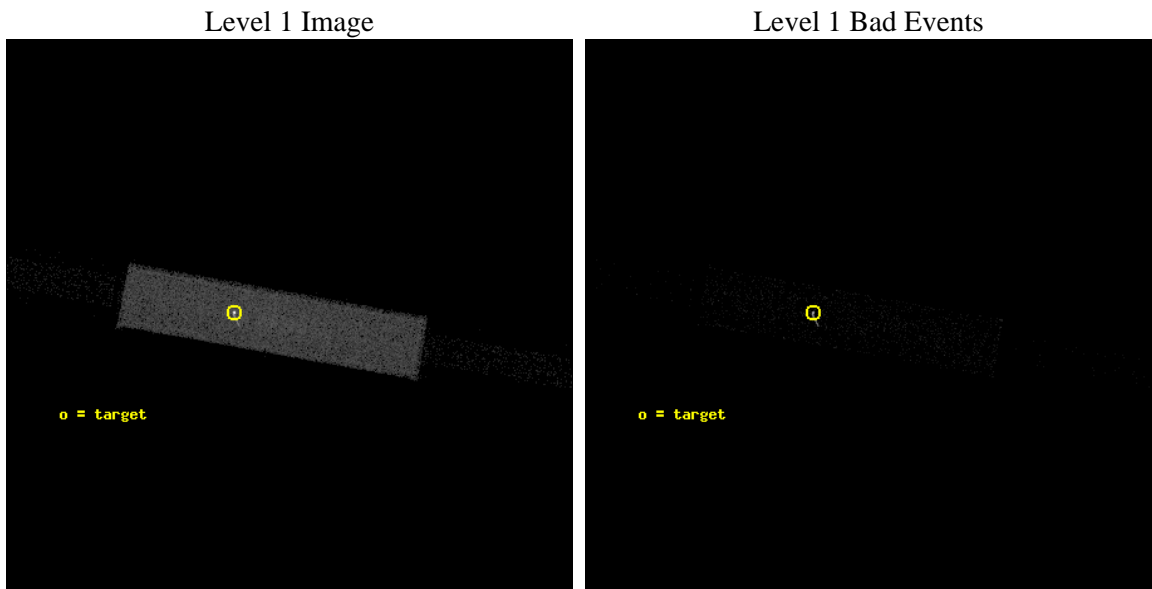
seq_num	290280	Sequence number
obs_id	4320	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.02292331165	Nominal RA [deg]
dec_nom	45.723294722369	Nominal Dec [deg]
roll_nom	190.06801975887	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0812988579	[s]
livetime	1135.229011264	Ontime multiplied by DTCOR
l2events	41558	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1141.0812988579	[s]
caldbver	4.5.2	 	l1events	68453	Number of level 1 events
date	2012-11-02T16:32:46	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

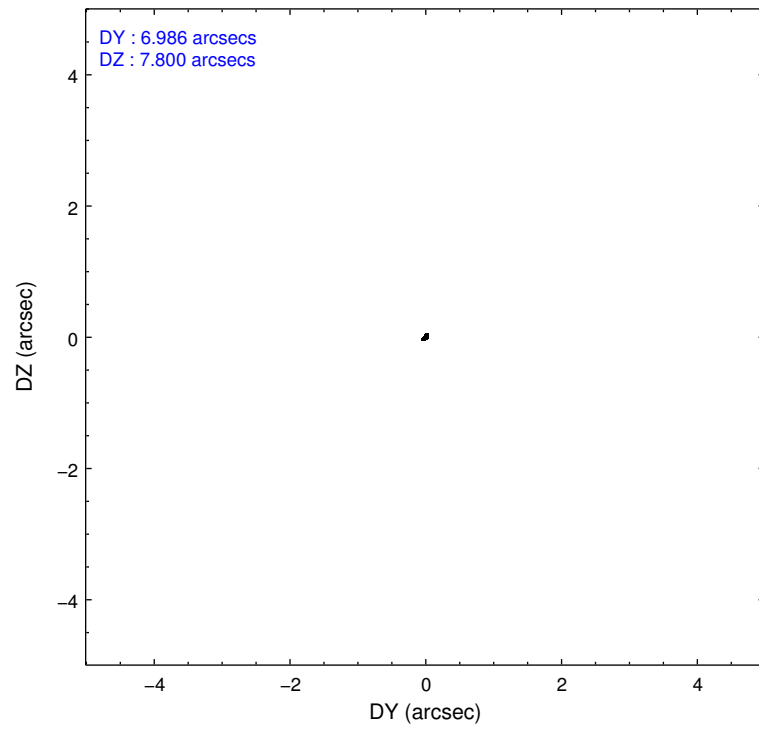
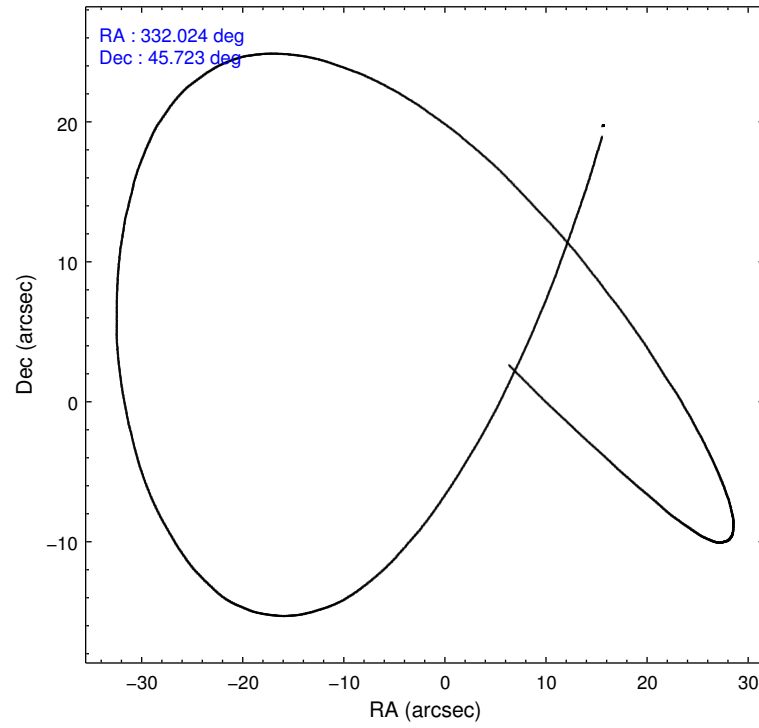
Level 1 Events

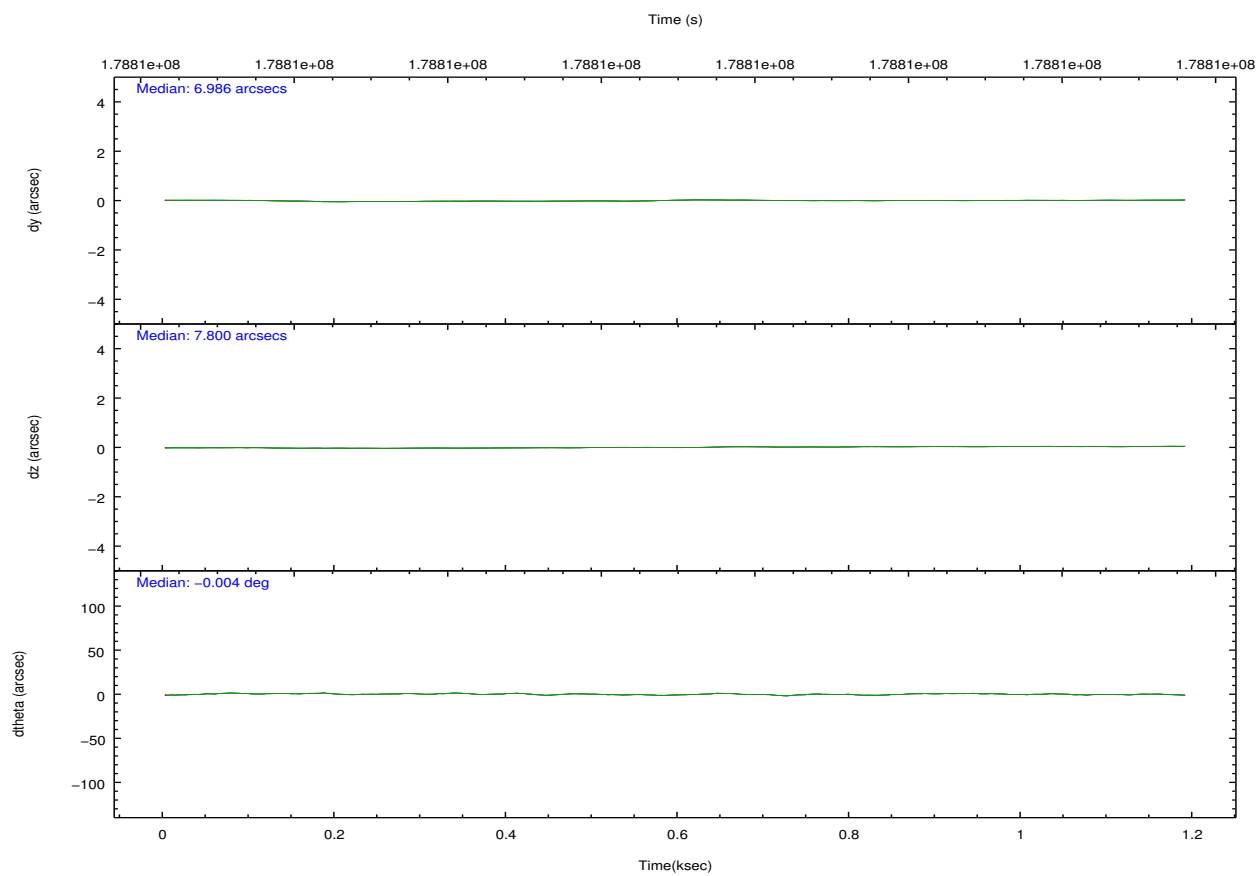
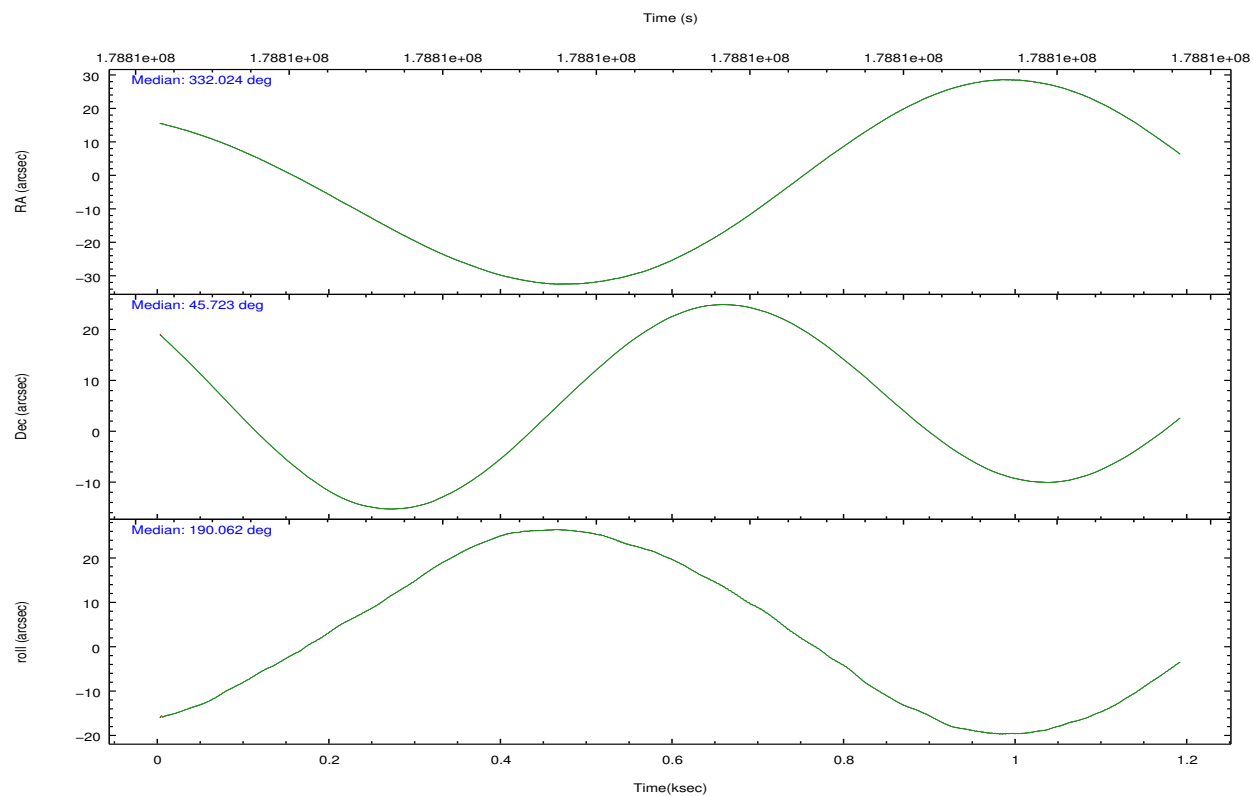
	segment 1	segment 2	segment 3
level 1 events	1033	66427	993
rejected events	1033	15427	993
rejected %	100%	23%	100%

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	332.052265	332.0229233116542			
[deg] Pointing Dec	45.743808	45.72329472236942			
[deg] Pointing Roll	189.979696	190.0680197588714			
[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)	178811488.184000	178811112.17011			
Observation start date	2003-09-01T13:50:24	2003-09-01T13:45:12			
[s] Observation end time (MET)	178812488.184000	178812623.02017			
Observation end date	2003-09-01T14:07:04	2003-09-01T14:10:23			

2.3 Aspect



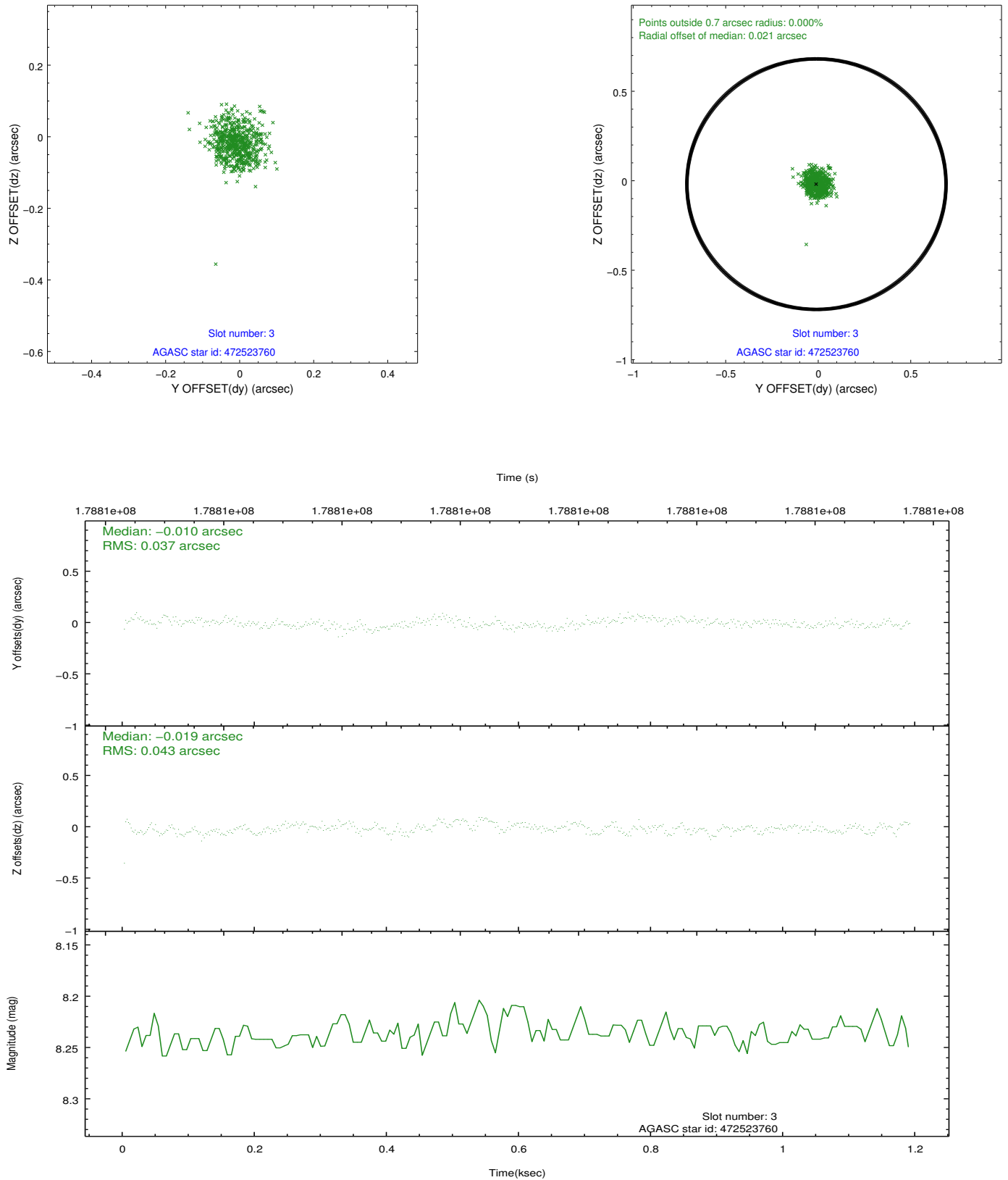


Slot Statistics

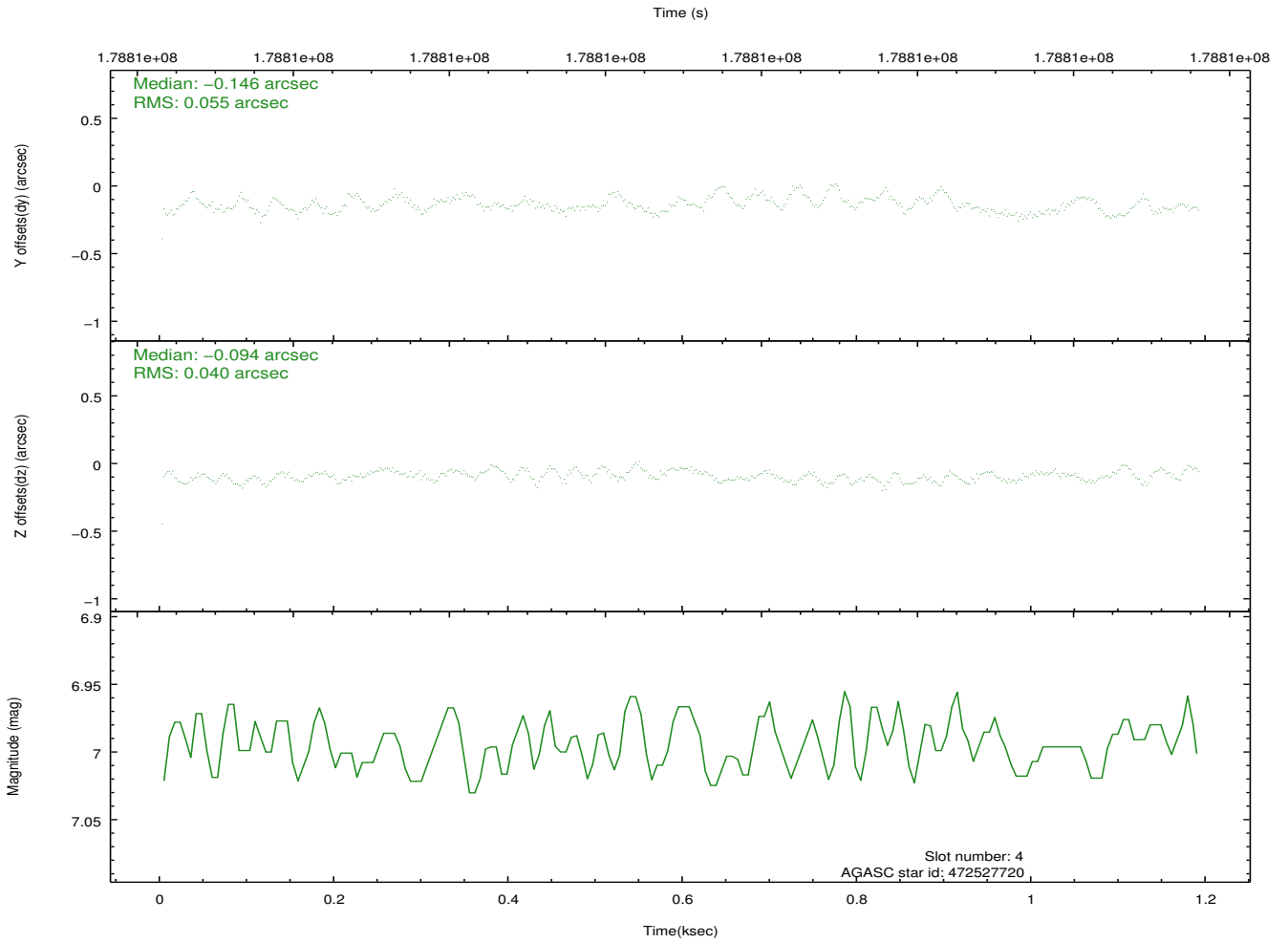
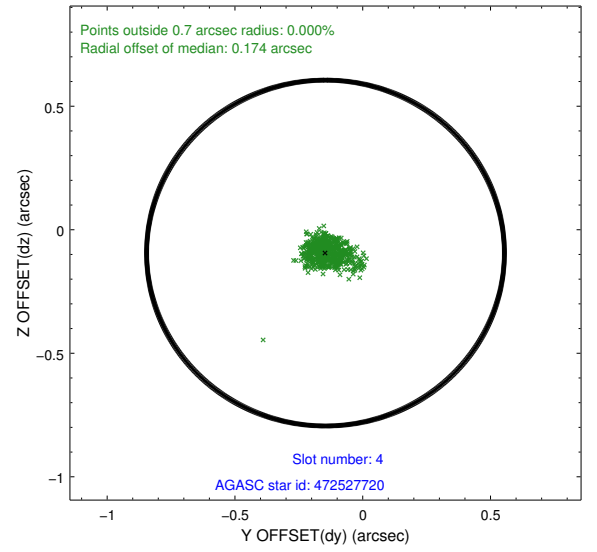
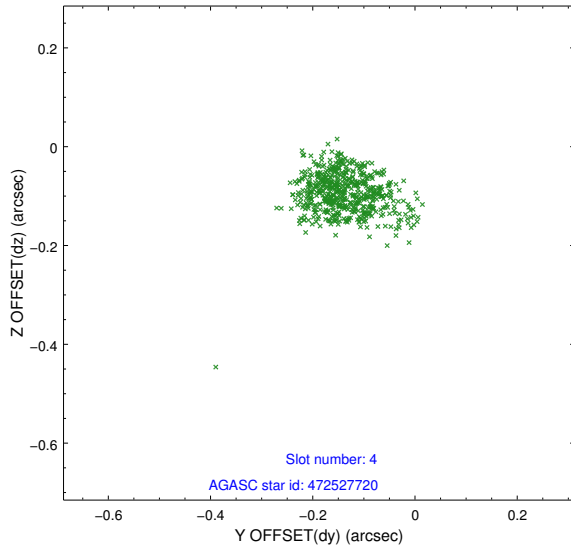
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	291	0.118	-0.113	0.007	0.015	0.000000	0.000000	-1161.14	-456.38
1	FID	HRC-S-2	7.03	291	0.155	-0.106	0.005	0.008	0.000000	0.000000	1234.58	-450.57
2	FID	HRC-S-3	7.04	291	0.117	-0.083	0.008	0.015	0.000000	0.000000	-1159.63	571.63
3	GUIDE	472523760	8.24	581	-0.010	-0.019	0.060	0.093	331.645363	45.403260	1226.15	1022.92
4	GUIDE	472527720	7.00	581	-0.146	-0.094	0.067	0.120	331.460205	45.112509	1877.44	1970.22
5	GUIDE	472655152	9.43	581	0.086	0.037	0.102	0.160	332.504239	45.862991	-1186.26	-229.82
6	GUIDE	472659832	9.47	581	0.054	0.055	0.092	0.150	332.780399	46.098139	-2013.29	-953.83
7	GUIDE	472533912	9.16	580	0.000	0.008	0.115	0.181	331.791136	46.368695	246.83	-2334.45

2.4 Star Slots

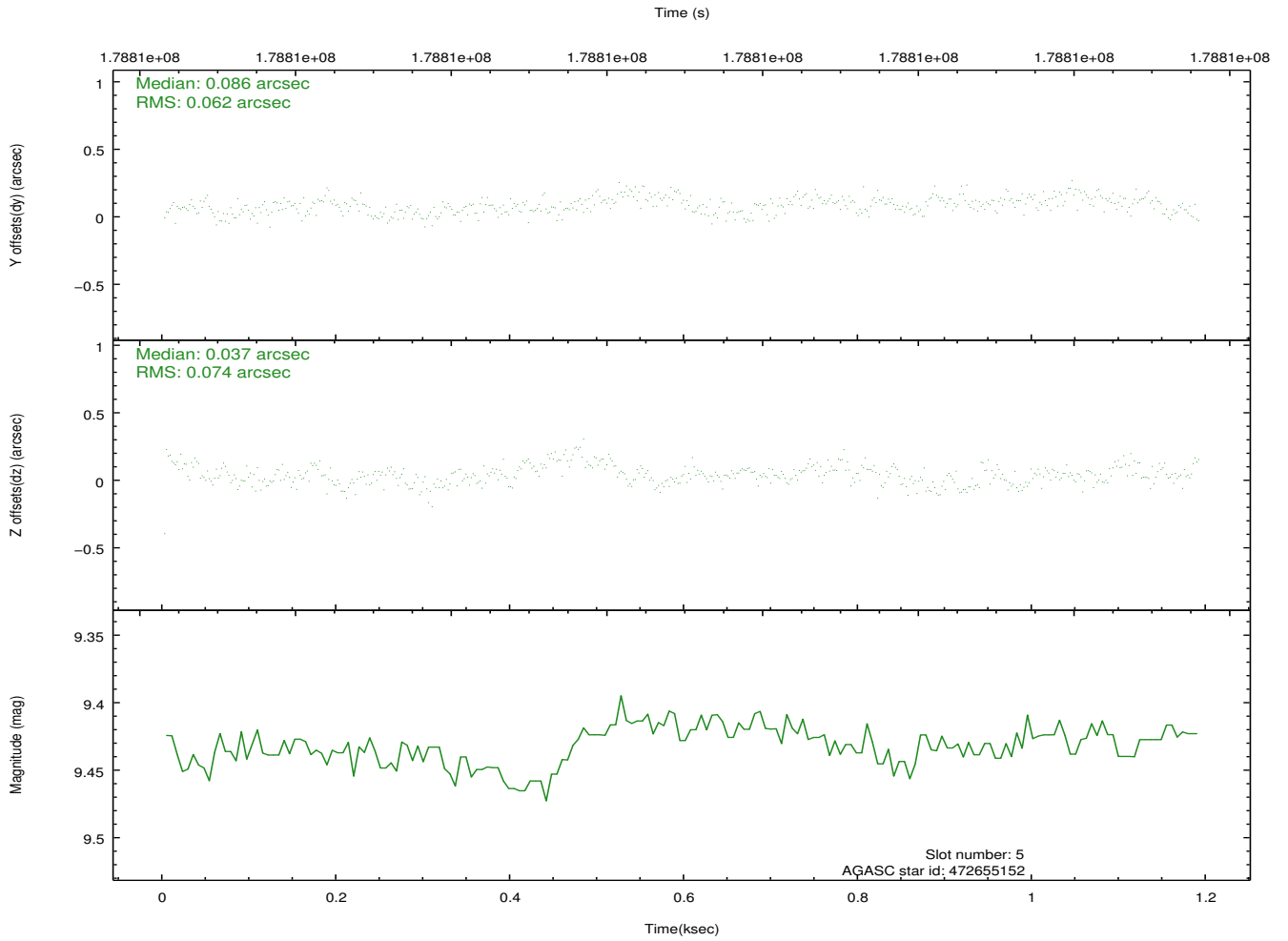
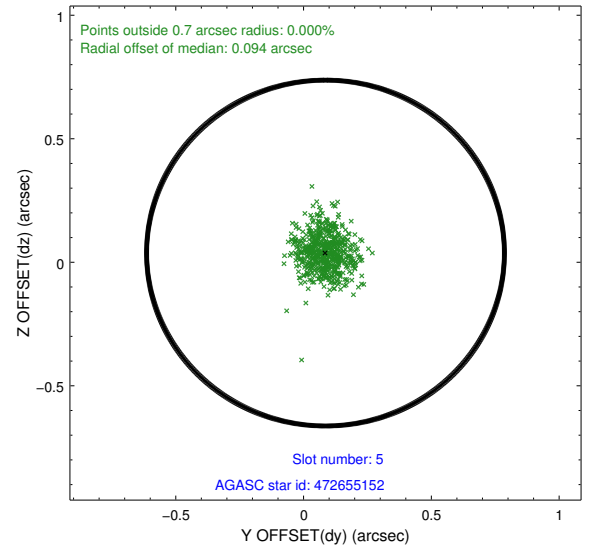
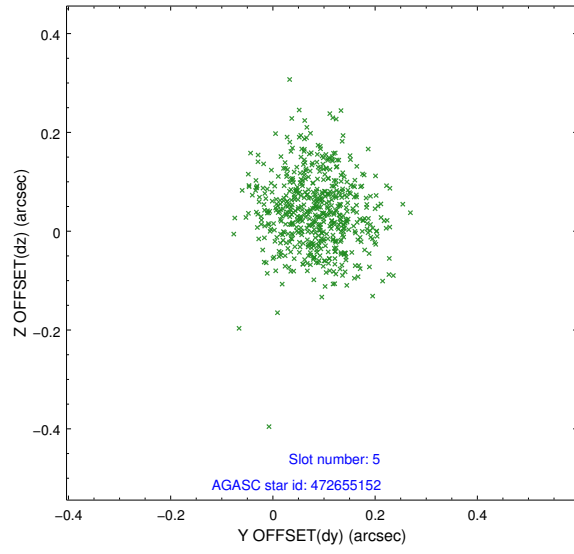
2.4.1 Slot 3



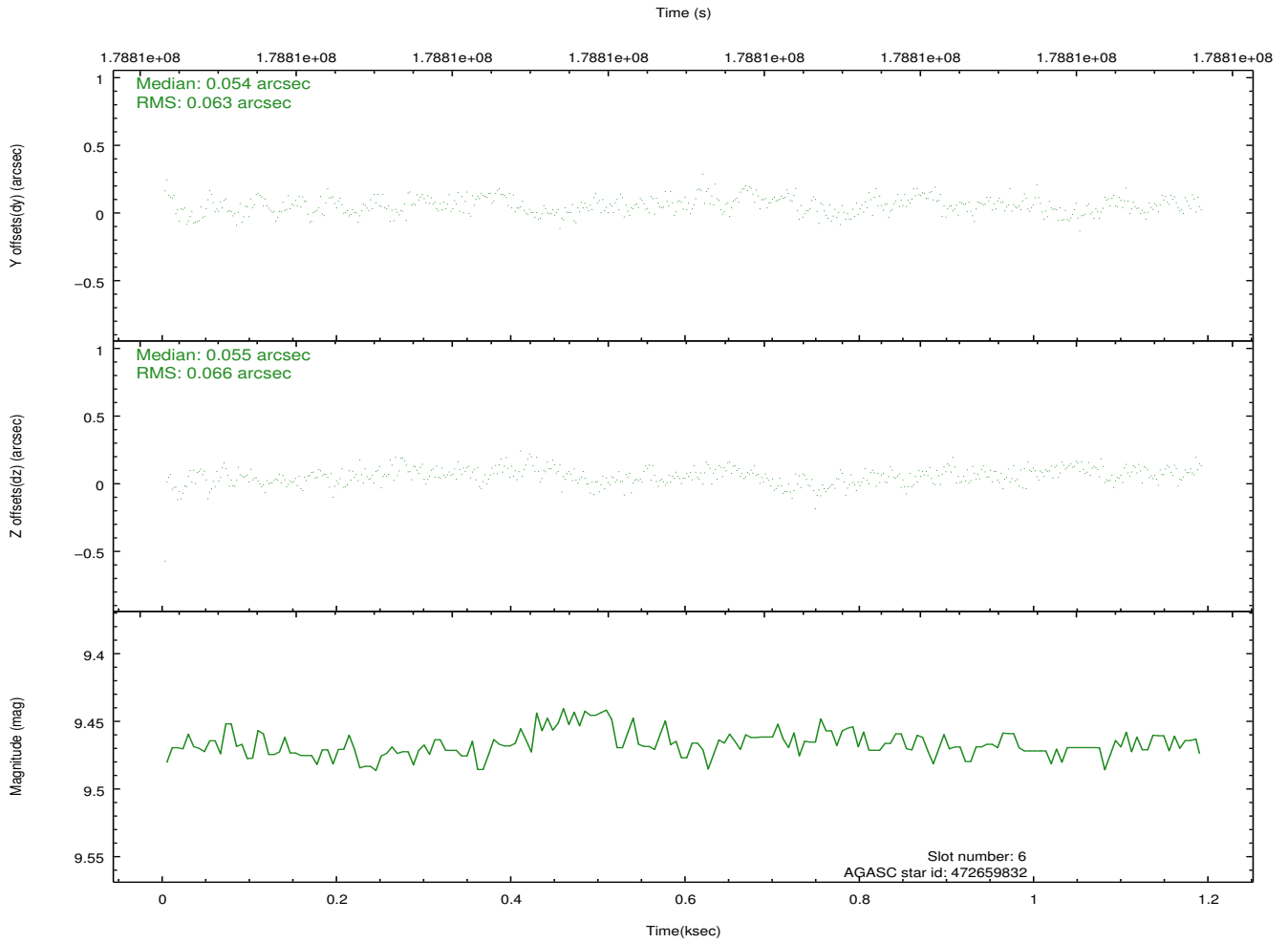
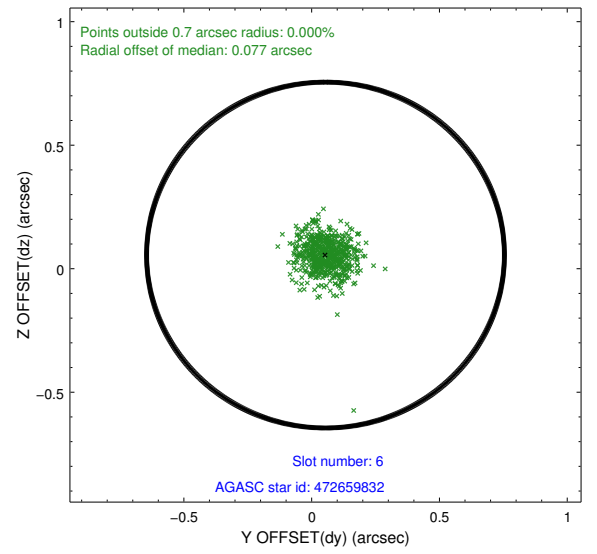
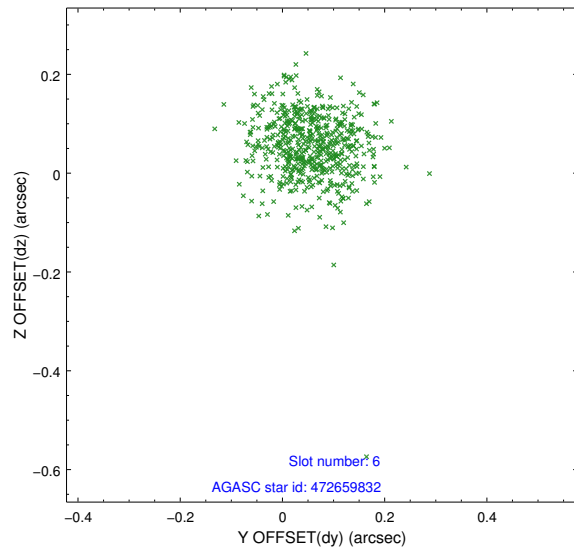
2.4.2 Slot 4



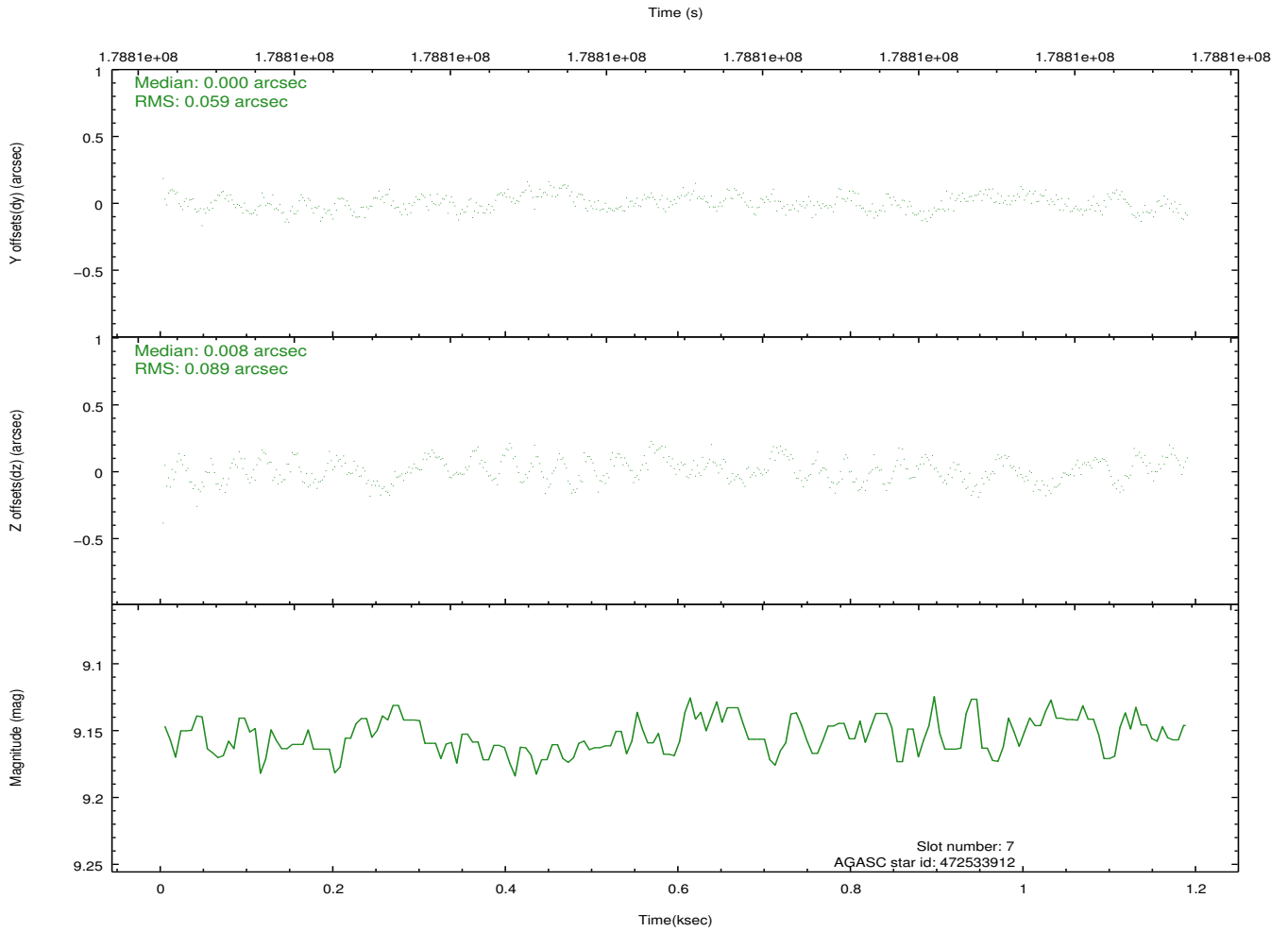
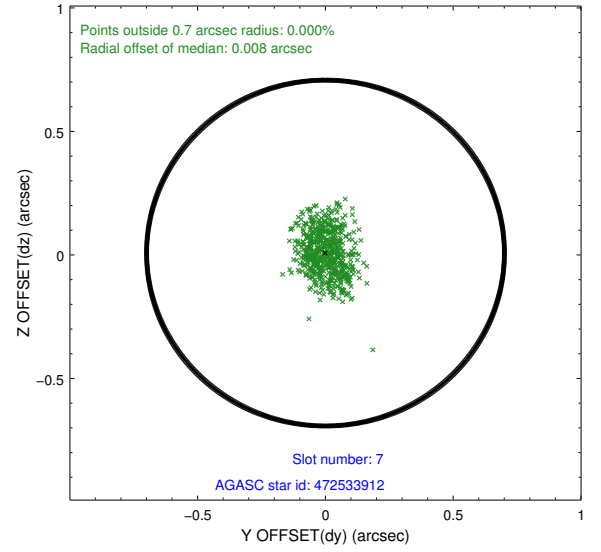
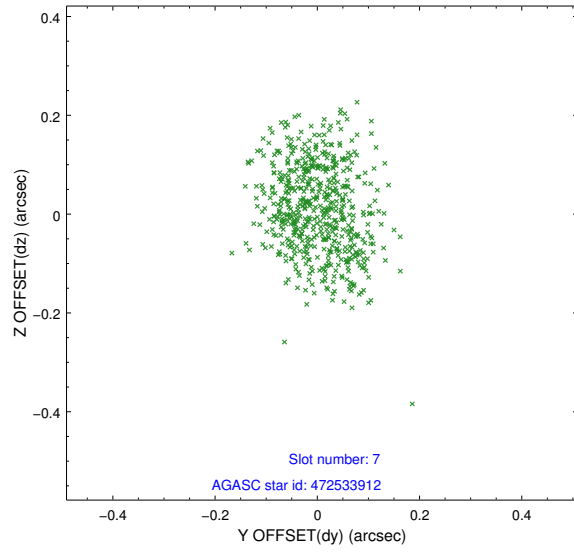
2.4.3 Slot 5



2.4.4 Slot 6

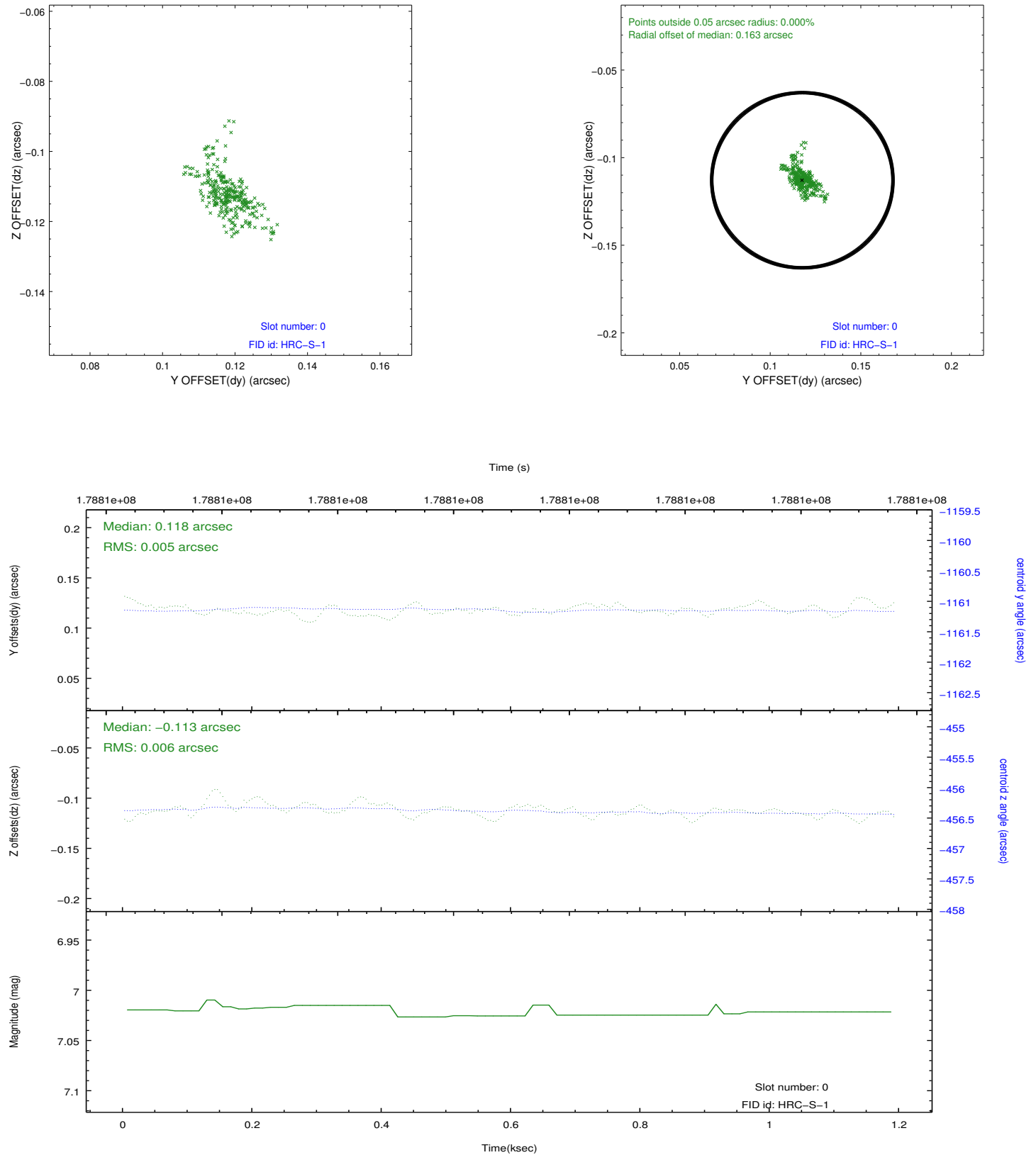


2.4.5 Slot 7

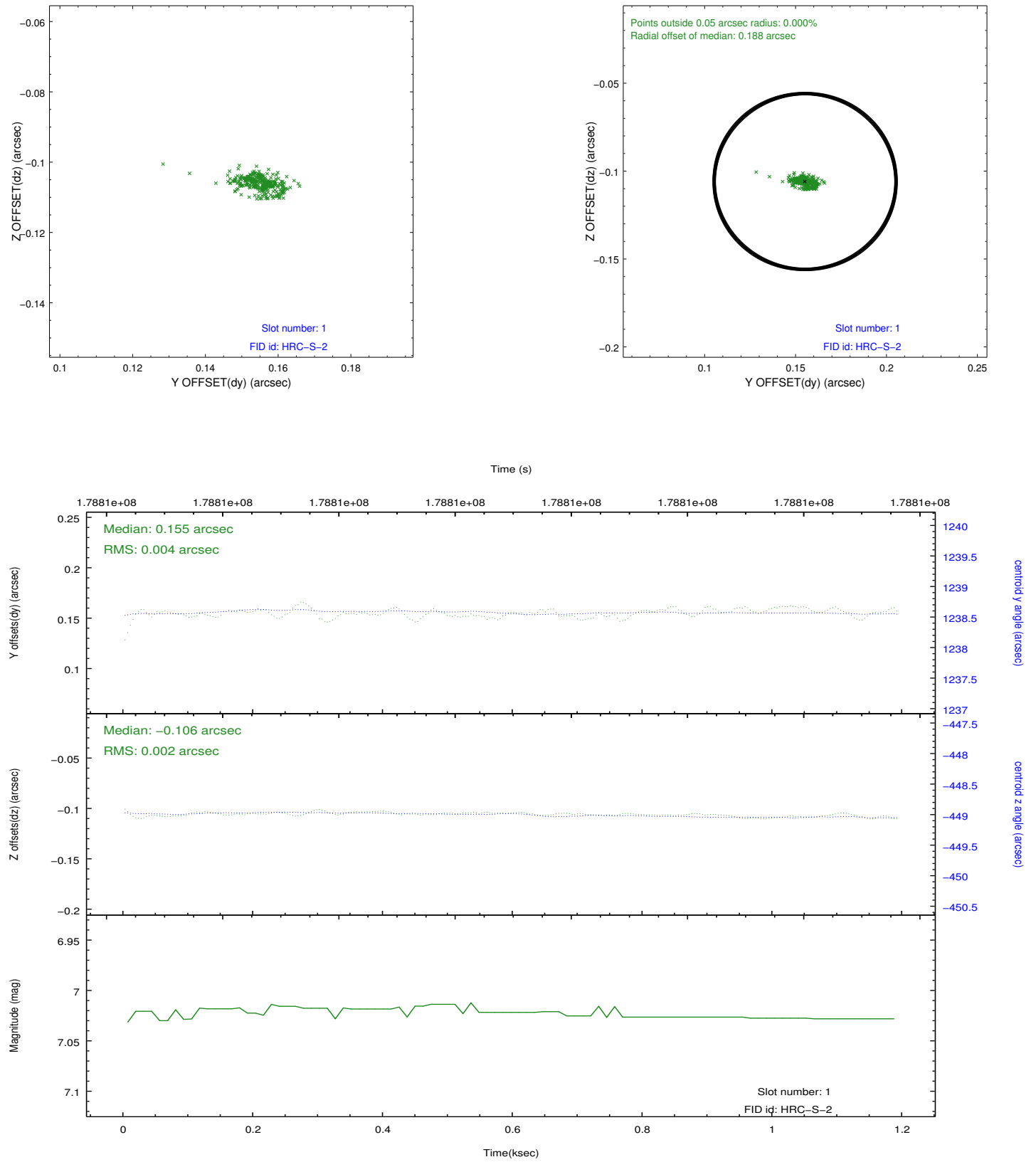


2.5 FID Slots

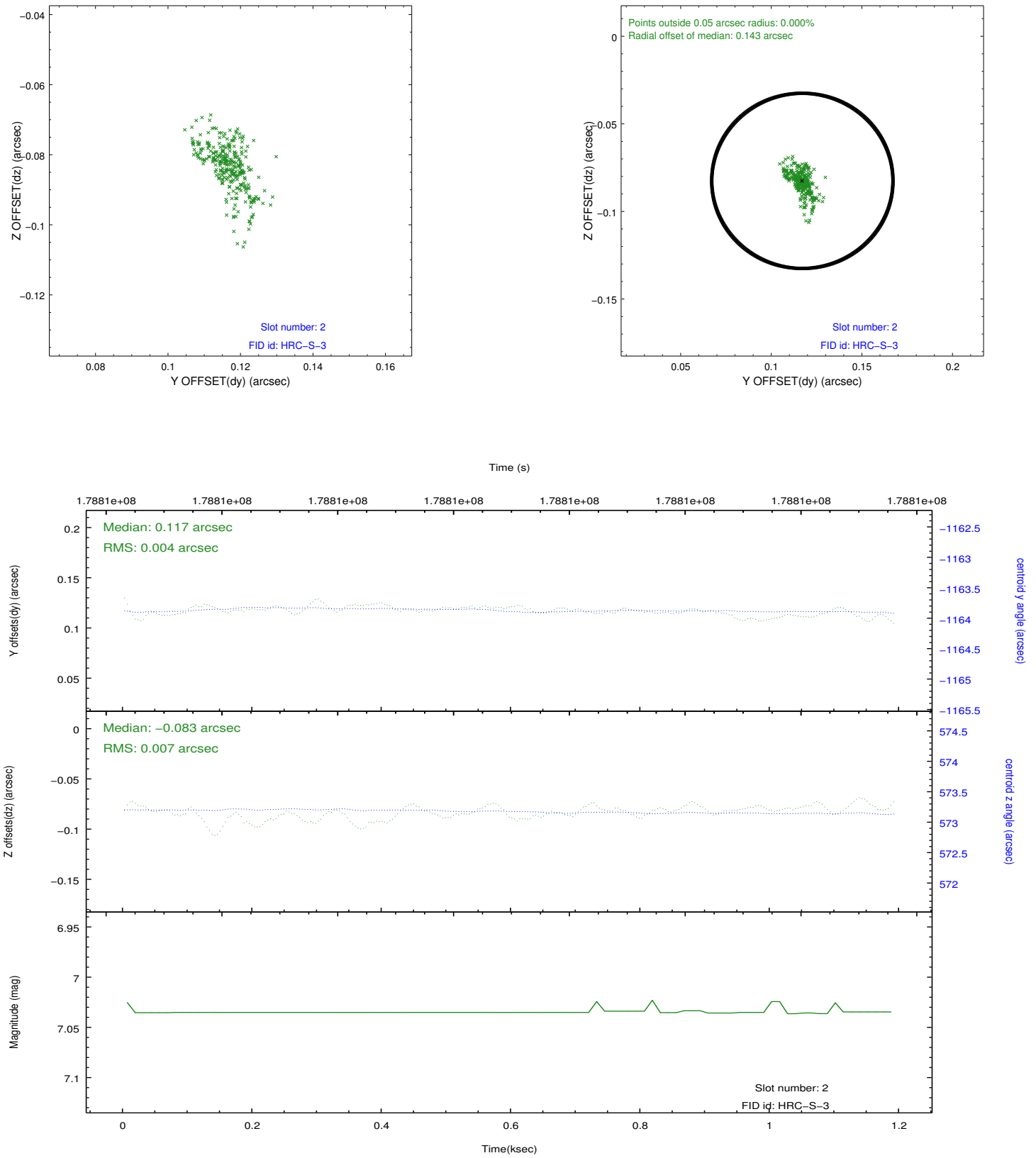
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.141

A.2 Comments