

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4318 - L2 Version 3
Chandra X-Ray Center

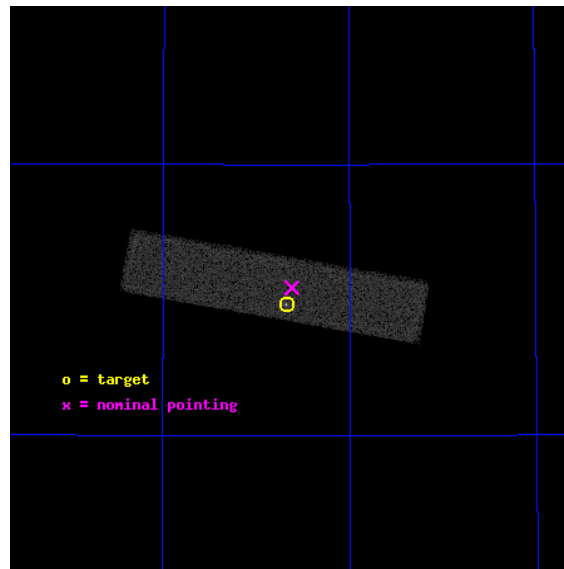
L2 Processing Date : Nov 2 2012

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1 Front

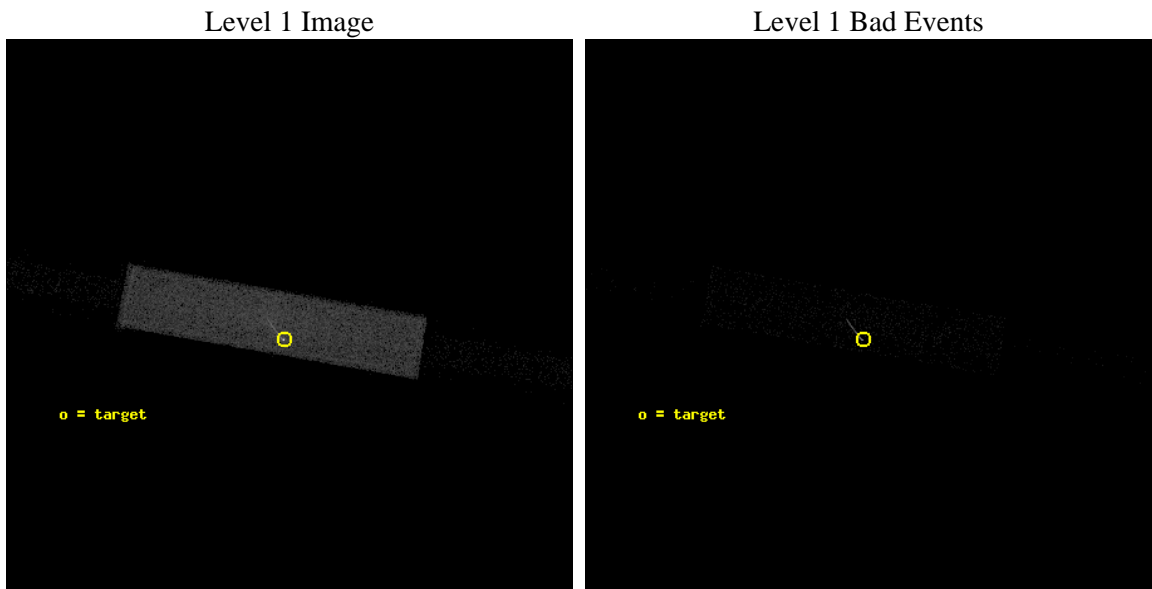
seq_num	290278	Sequence number
obs_id	4318	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.15506979486	Nominal RA [deg]
dec_nom	45.773249023685	Nominal Dec [deg]
roll_nom	189.86216871543	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.1312989295	[s]
livetime	1137.3829026195	Ontime multiplied by DTCOR
l2events	40150	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	1143.1312989295	[s]
caldbver	4.5.2	 	l1events	66494	Number of level 1 events
date	2012-11-02T16:34:50	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

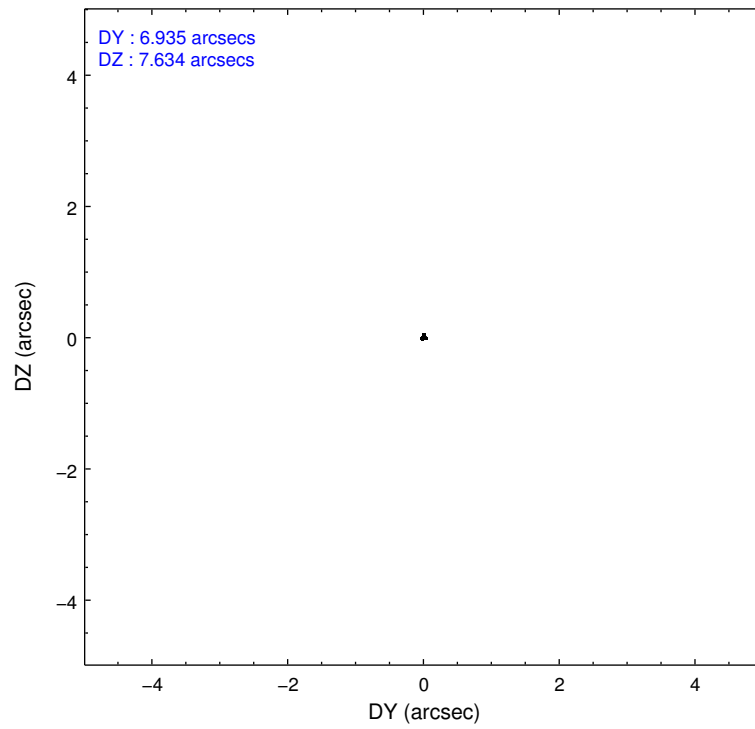
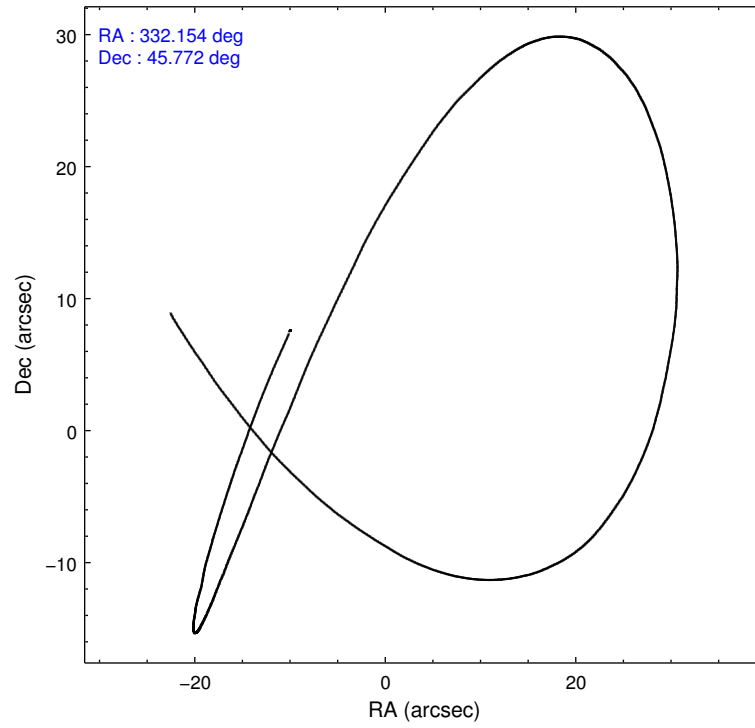
Level 1 Events

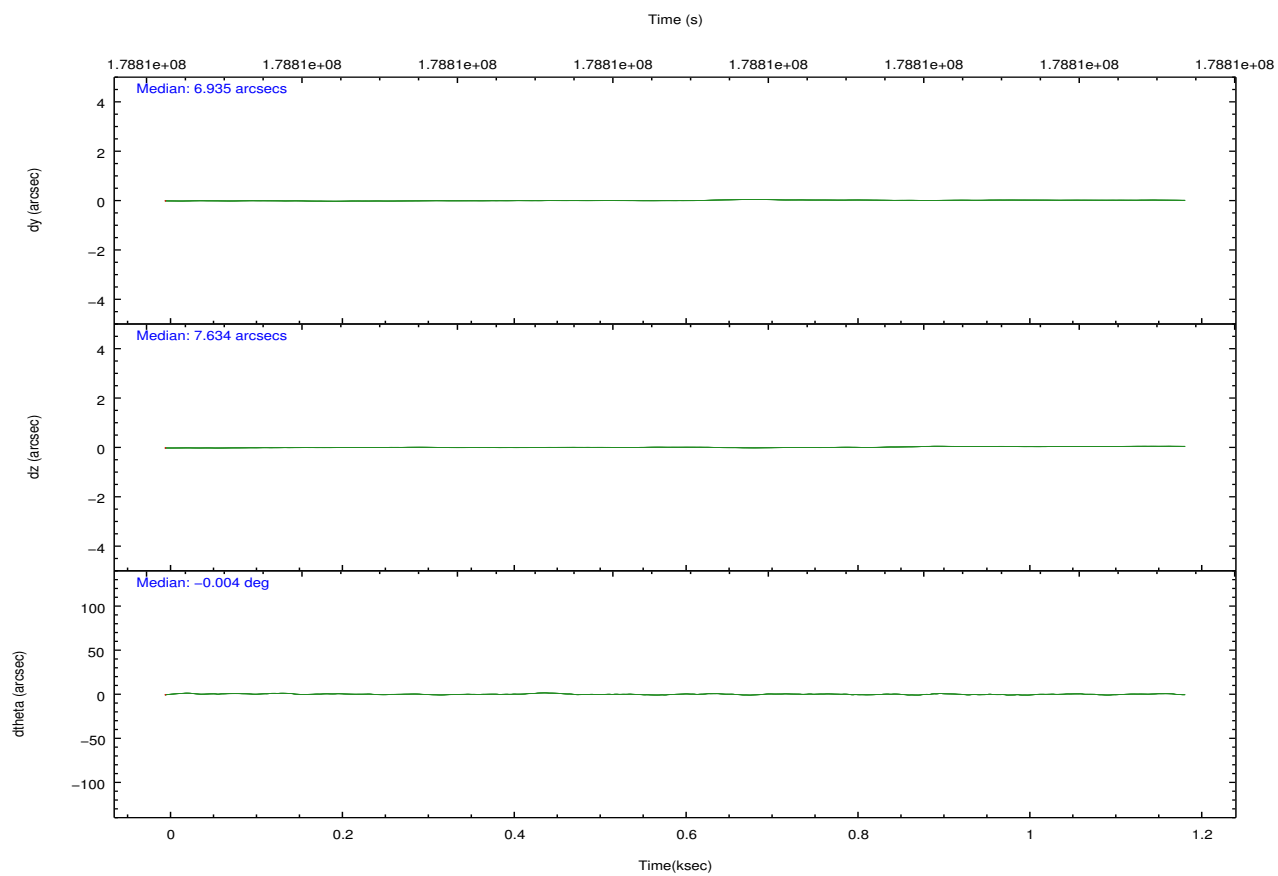
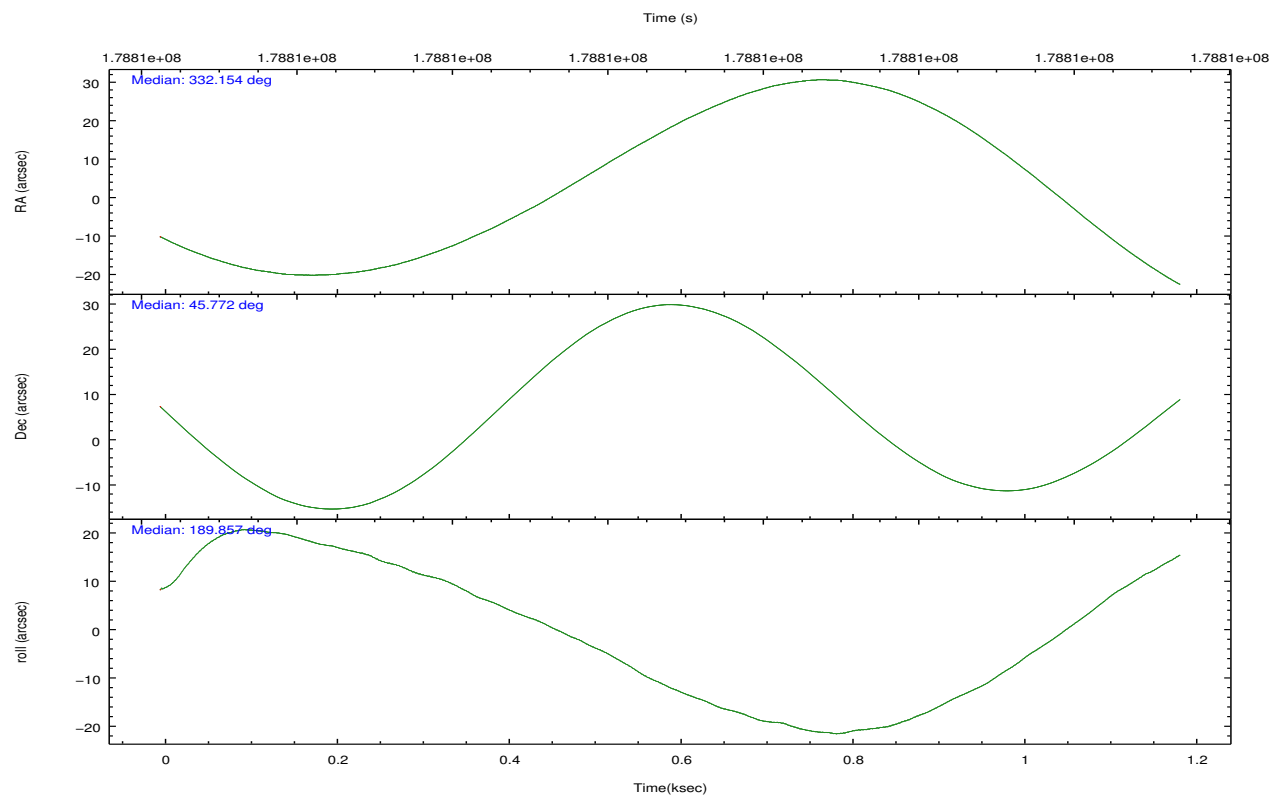
	segment 1	segment 2	segment 3
level 1 events	1062	64407	1025
rejected events	1062	14573	1025
rejected %	100%	22%	100%

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	332.185386	332.1550697948568			
[deg] Pointing Dec	45.793873	45.77324902368454			
[deg] Pointing Roll	189.773101	189.8621687154293			
[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)	178808468.184000	178808092.51998			
Observation start date	2003-09-01T13:00:04	2003-09-01T12:54:52			
[s] Observation end time (MET)	178809468.184000	178809602.34504			
Observation end date	2003-09-01T13:16:44	2003-09-01T13:20:02			

2.3 Aspect



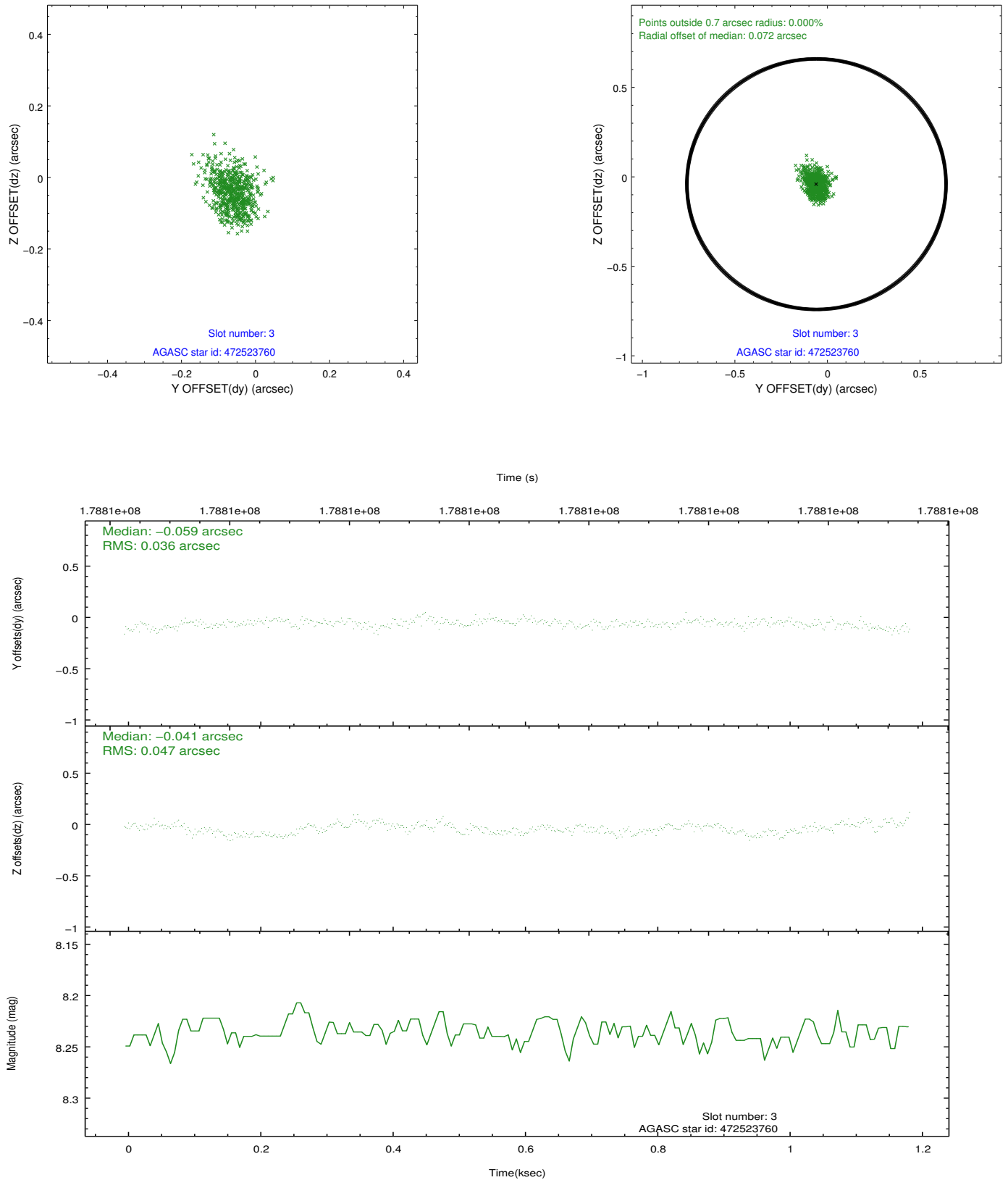


Slot Statistics

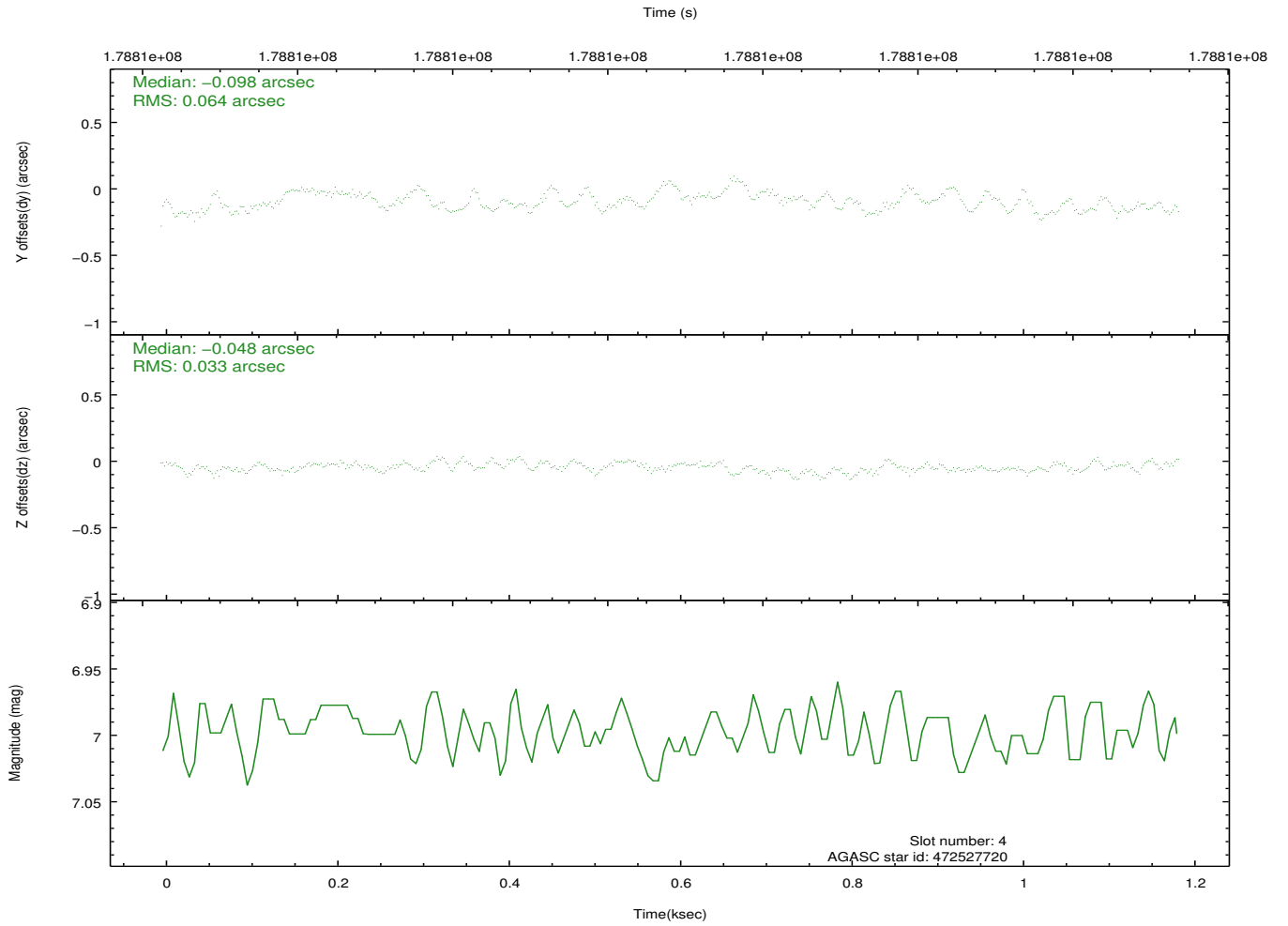
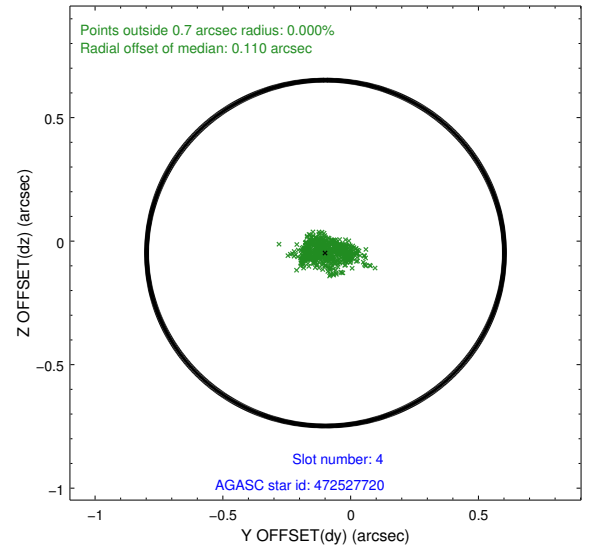
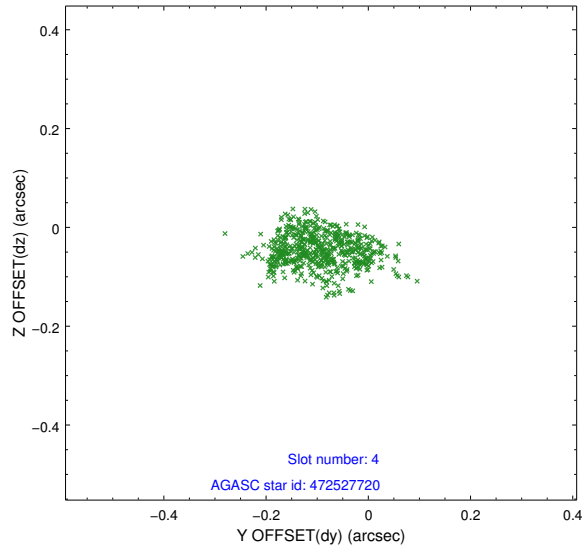
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	290	0.115	-0.110	0.006	0.011	0.000000	0.000000	-1161.10	-456.22
1	FID	HRC-S-2	7.02	290	0.156	-0.106	0.004	0.010	0.000000	0.000000	1234.61	-450.41
2	FID	HRC-S-3	7.04	290	0.118	-0.086	0.006	0.010	0.000000	0.000000	-1159.57	571.79
3	GUIDE	472523760	8.24	580	-0.059	-0.041	0.063	0.105	331.645363	45.403260	1581.98	1145.53
4	GUIDE	472527720	7.00	580	-0.098	-0.048	0.078	0.121	331.460205	45.112509	2232.16	2094.41
5	GUIDE	472533912	9.15	580	-0.040	-0.010	0.113	0.180	331.791136	46.368695	616.55	-2208.49
6	GUIDE	472655152	9.44	580	0.085	0.077	0.106	0.169	332.504239	45.862991	-830.08	-119.06
7	GUIDE	472659832	9.47	579	0.097	0.028	0.137	0.223	332.780399	46.098139	-1652.86	-837.35

2.4 Star Slots

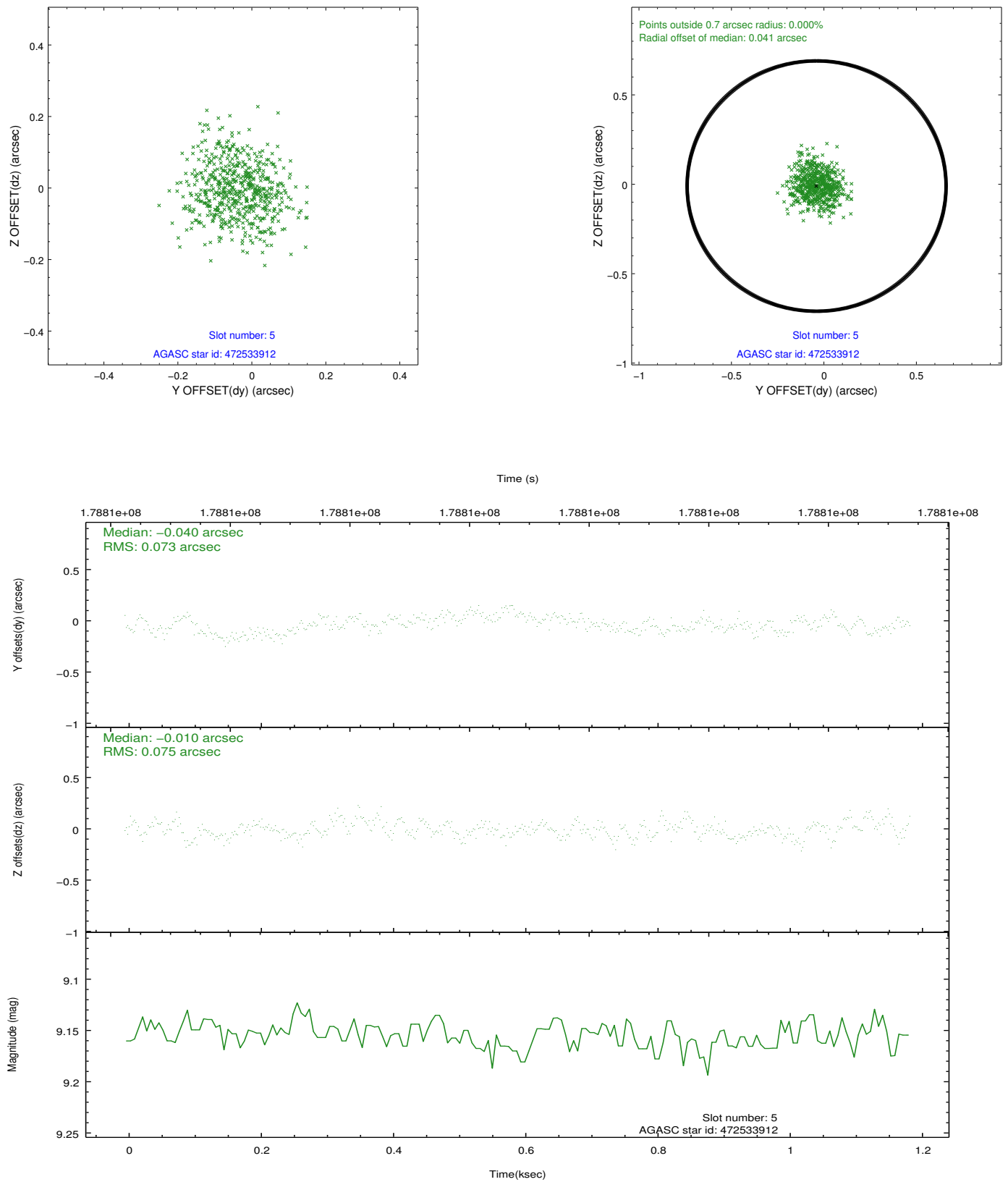
2.4.1 Slot 3



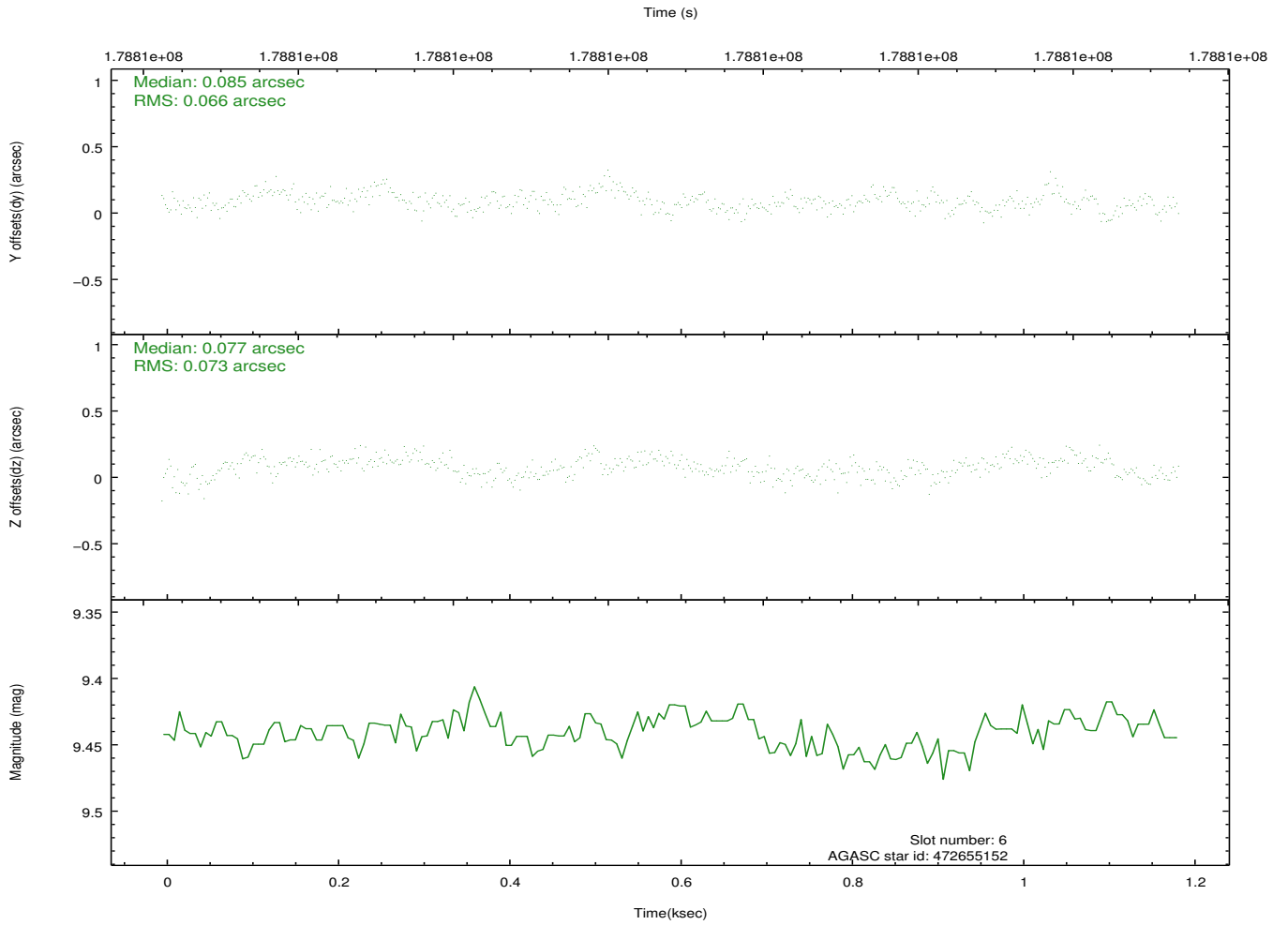
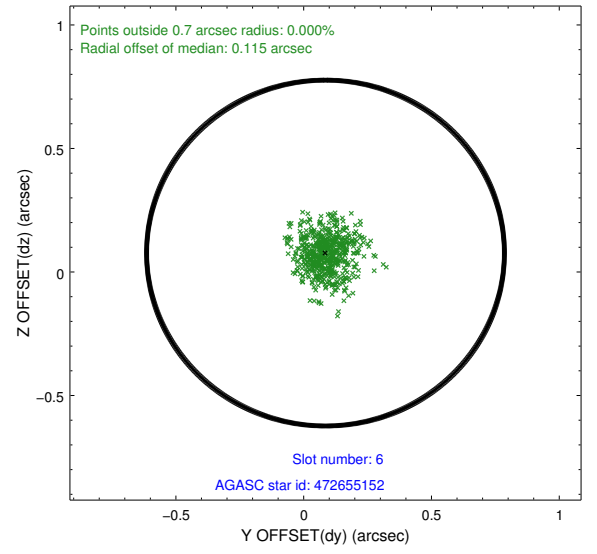
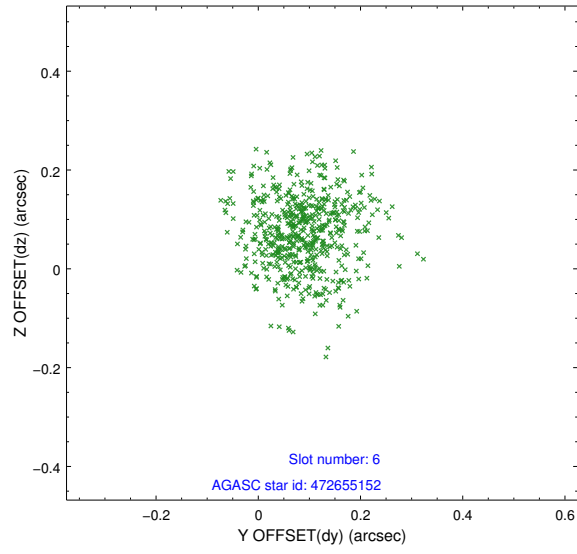
2.4.2 Slot 4



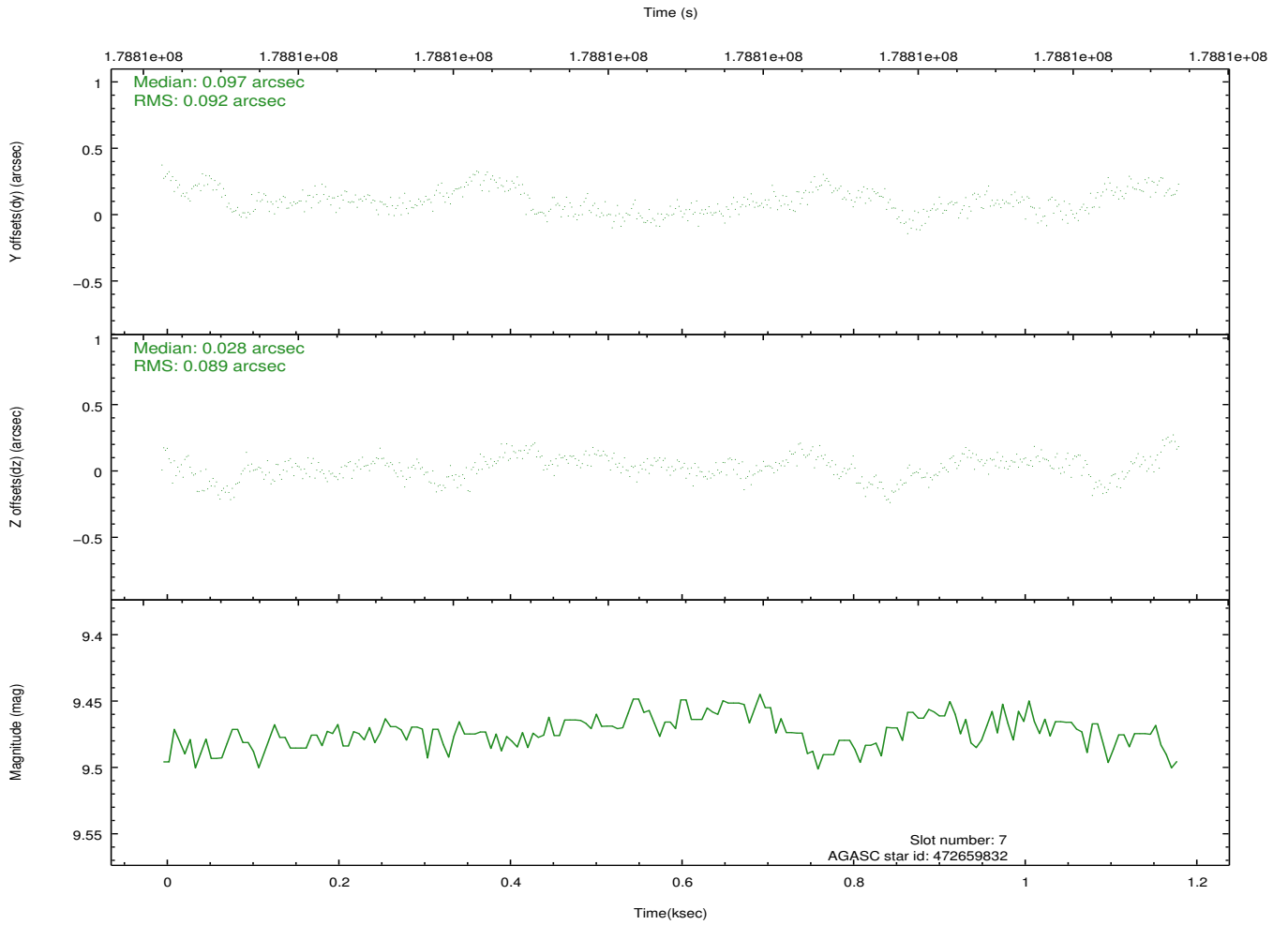
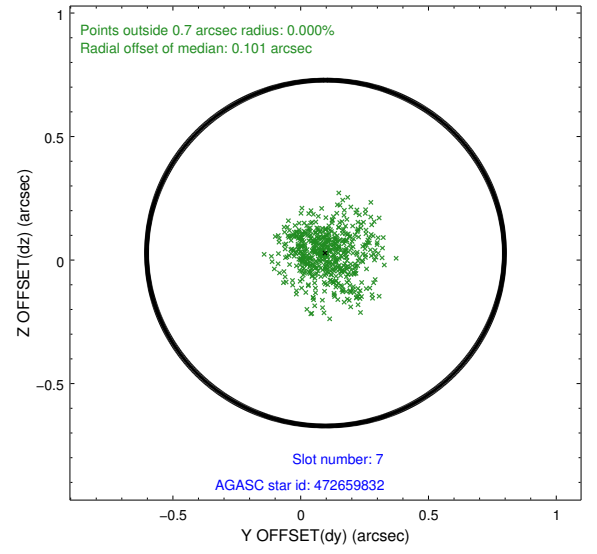
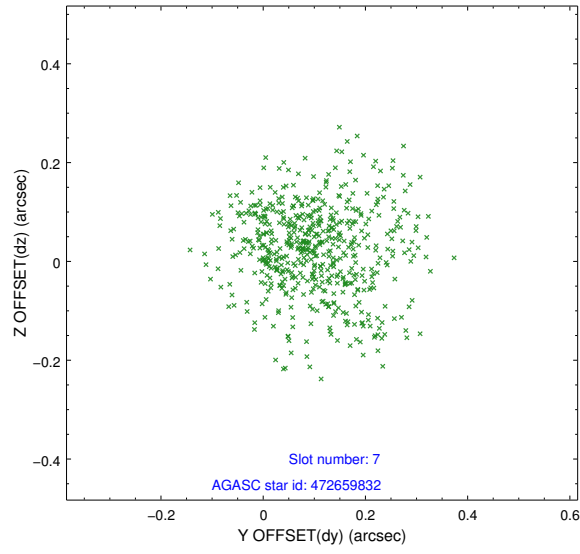
2.4.3 Slot 5



2.4.4 Slot 6

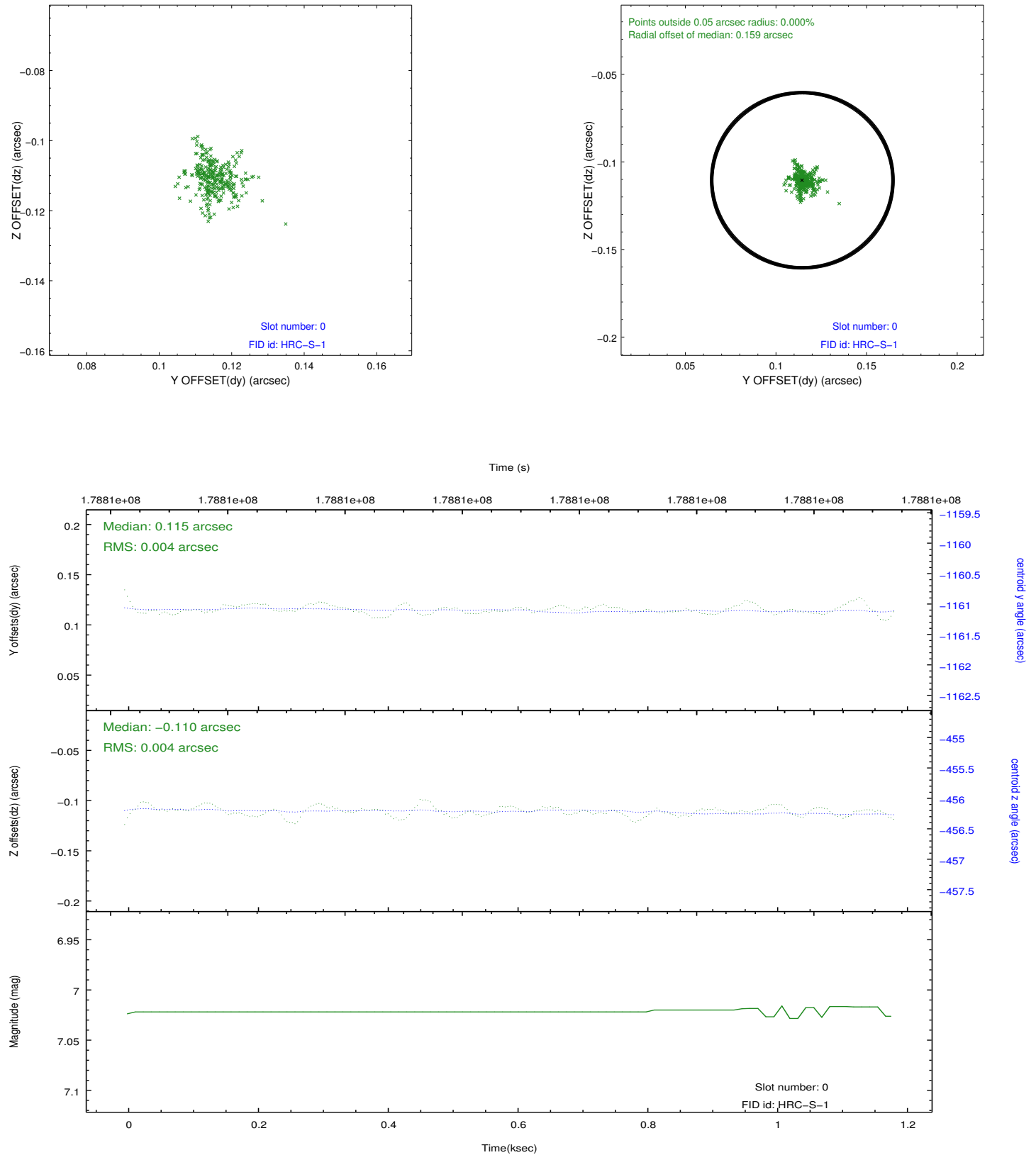


2.4.5 Slot 7

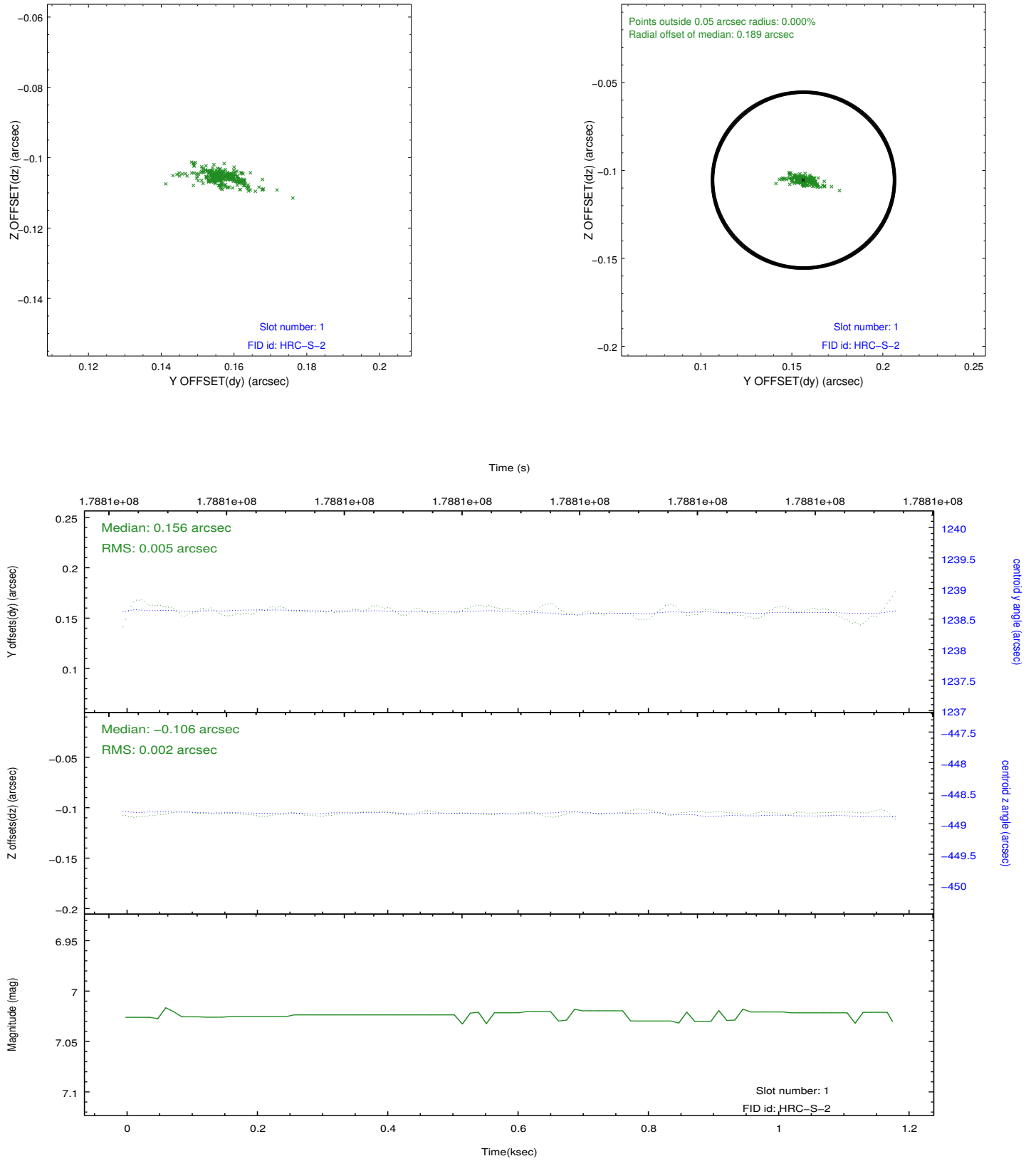


2.5 FID Slots

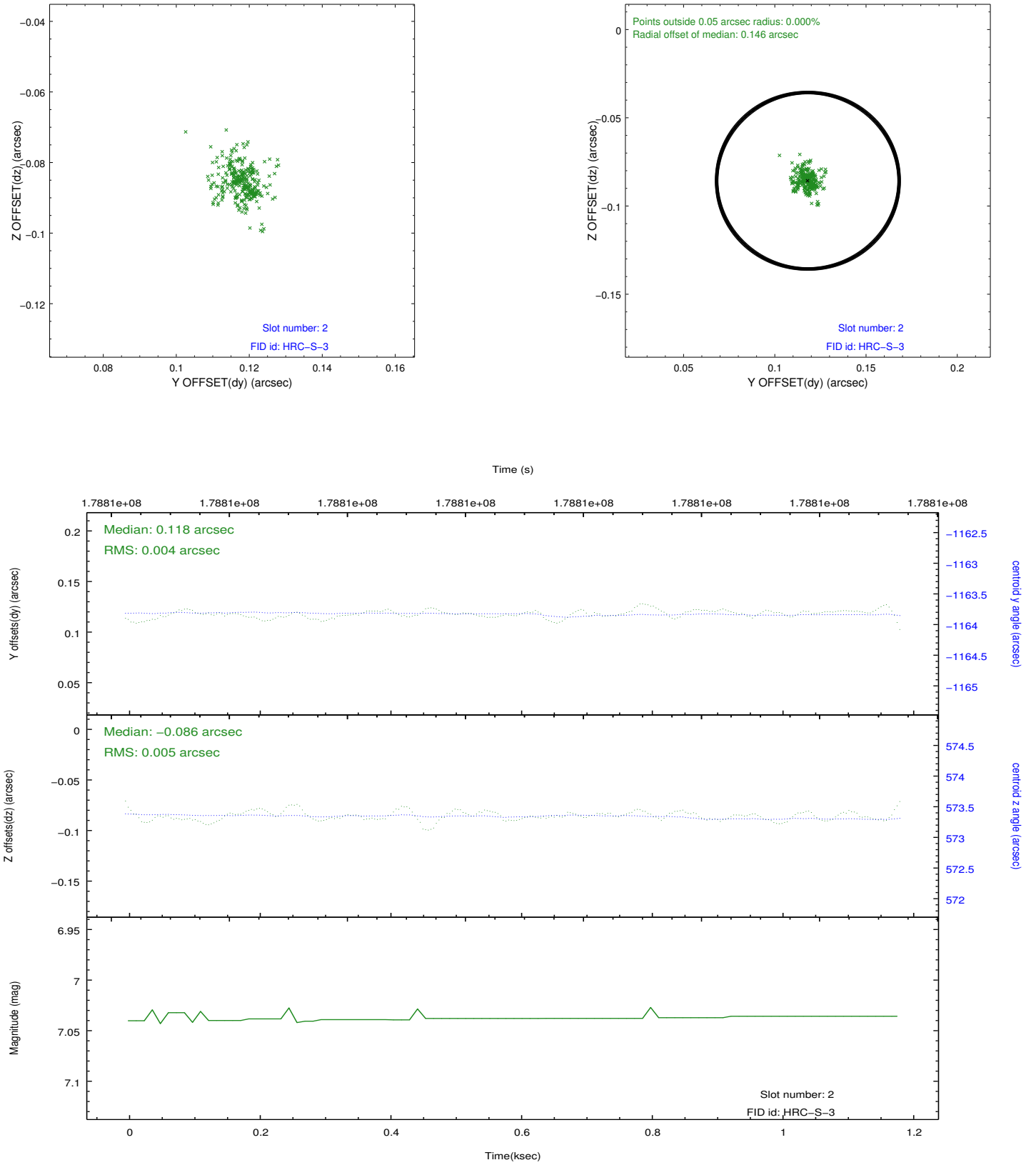
2.5.1 Slot 0



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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.143

A.2 Comments