

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4321 - L2 Version 3
Chandra X-Ray Center

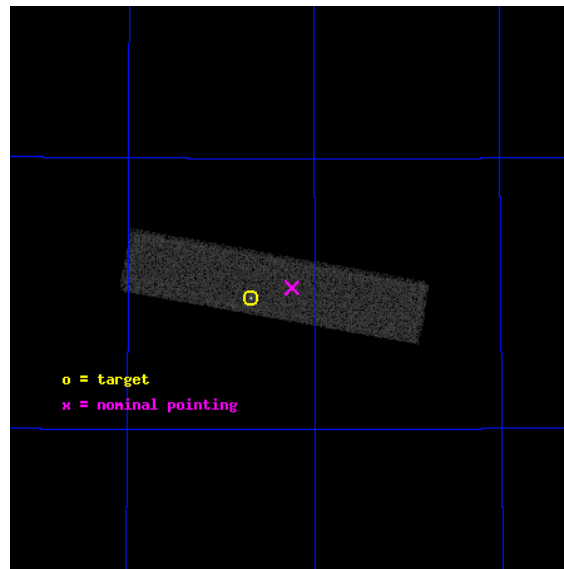
L2 Processing Date : Nov 2 2012

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1 Front

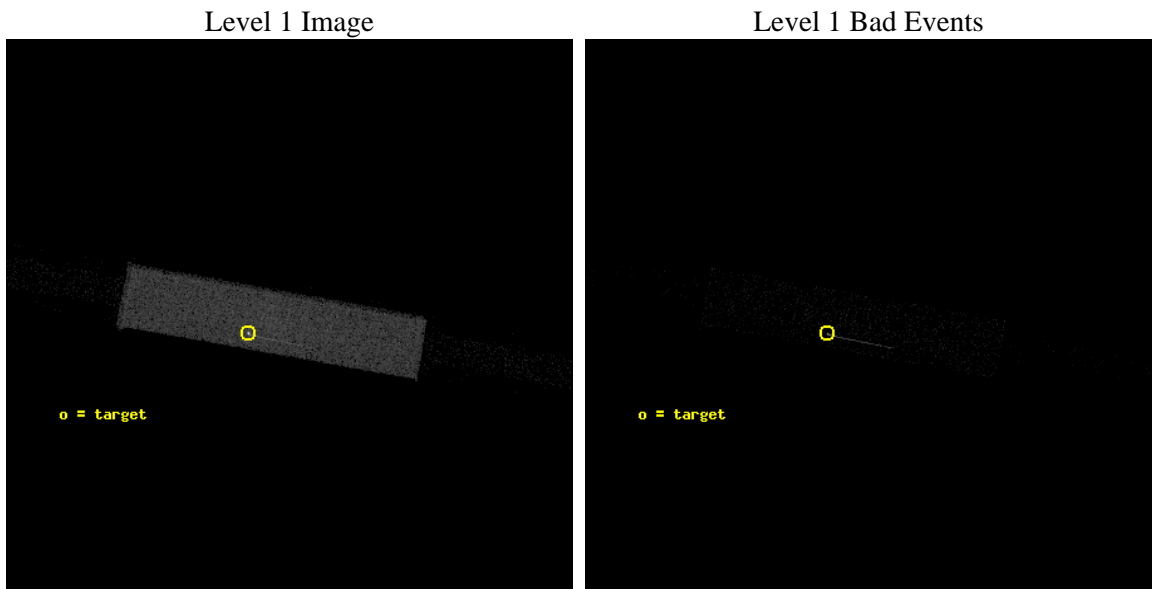
seq_num	290281	Sequence number
obs_id	4321	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0606397967	Nominal RA [deg]
dec_nom	45.761875410922	Nominal Dec [deg]
roll_nom	190.03733231397	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062988937	[s]
livetime	1136.3459514407	Ontime multiplied by DTCOR
l2events	40363	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	1142.1062988937	[s]
caldbver	4.5.2	 	l1events	66858	Number of level 1 events
date	2012-11-02T16:33:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

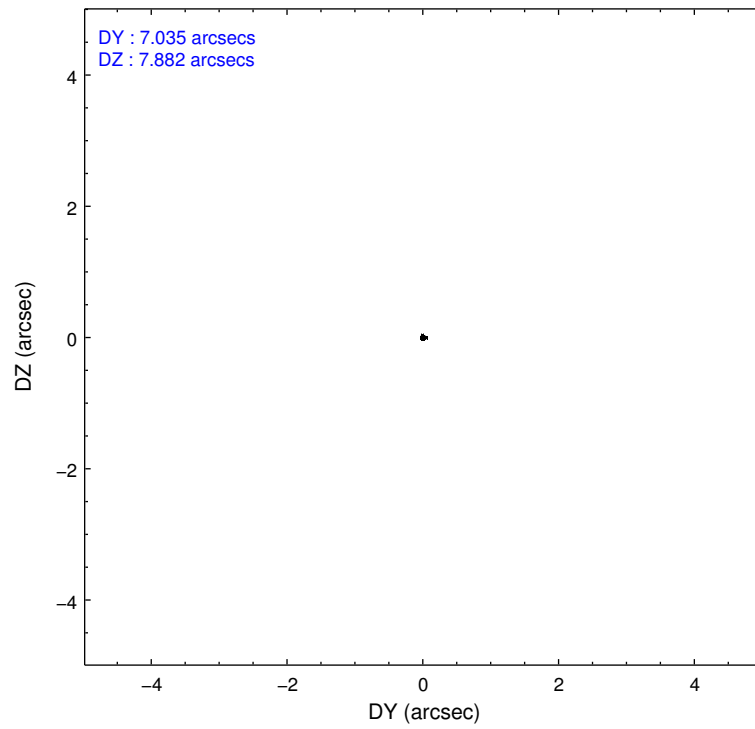
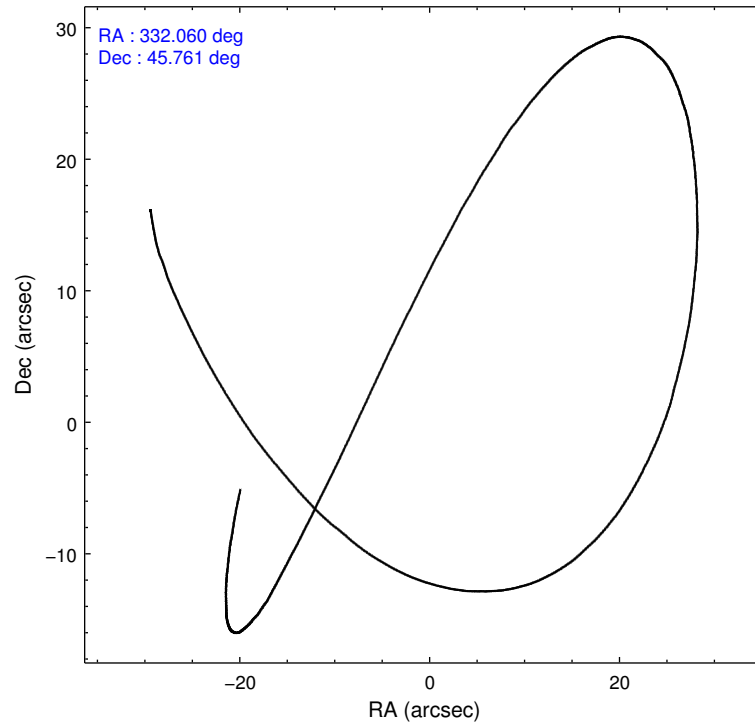
Level 1 Events

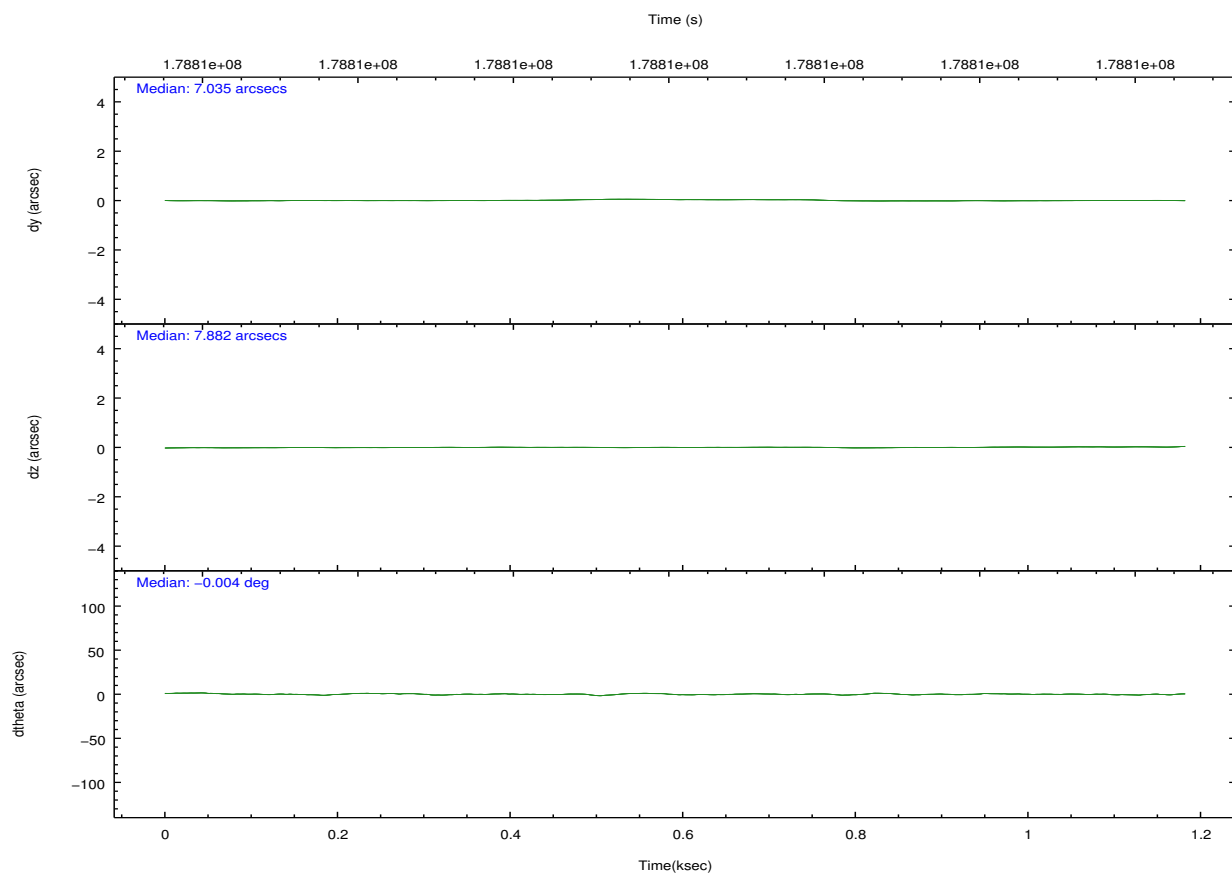
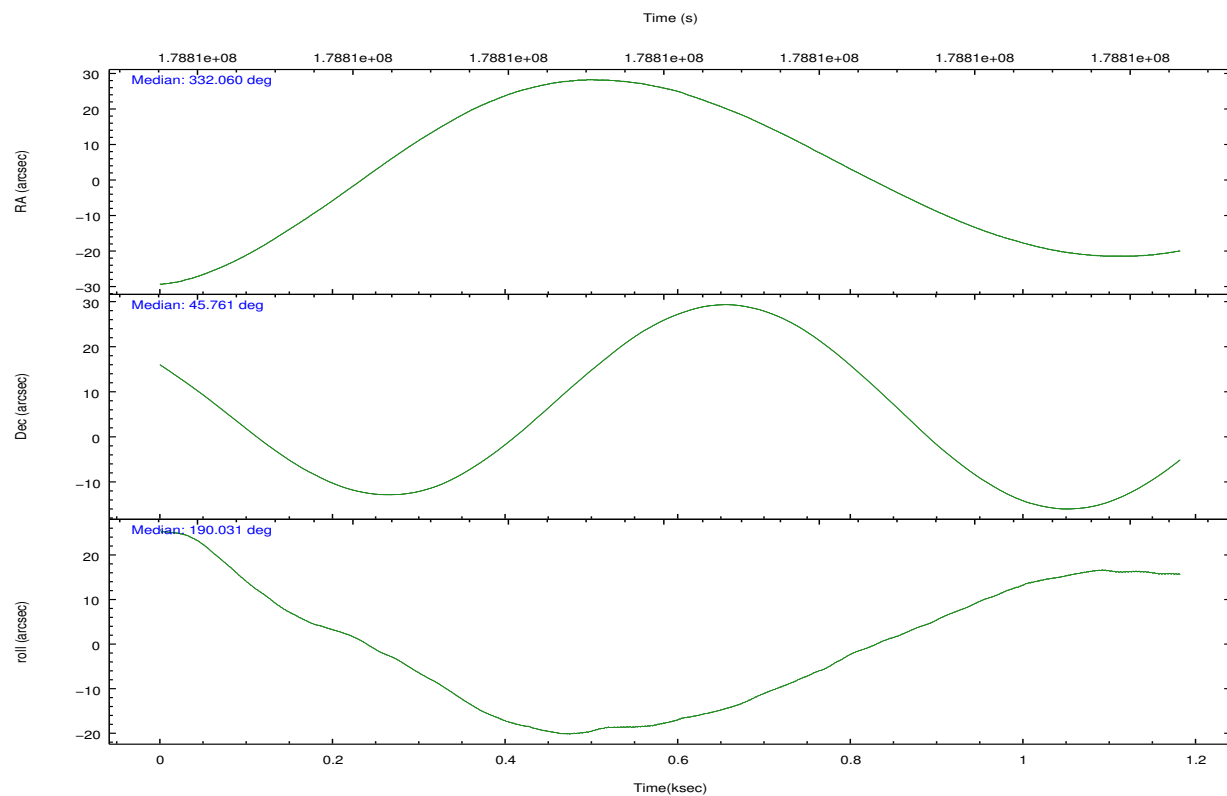
	segment 1	segment 2	segment 3
level 1 events	1083	64727	1048
rejected events	1083	14804	1048
rejected %	100%	22%	100%

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	332.091061	332.0606397966965			
[deg] Pointing Dec	45.782414	45.76187541092203			
[deg] Pointing Roll	189.948188	190.0373323139713			
[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)	178812998.184000	178812623.02017			
Observation start date	2003-09-01T14:15:34	2003-09-01T14:10:23			
[s] Observation end time (MET)	178813998.184000	178814132.84524			
Observation end date	2003-09-01T14:32:14	2003-09-01T14:35:32			

2.3 Aspect



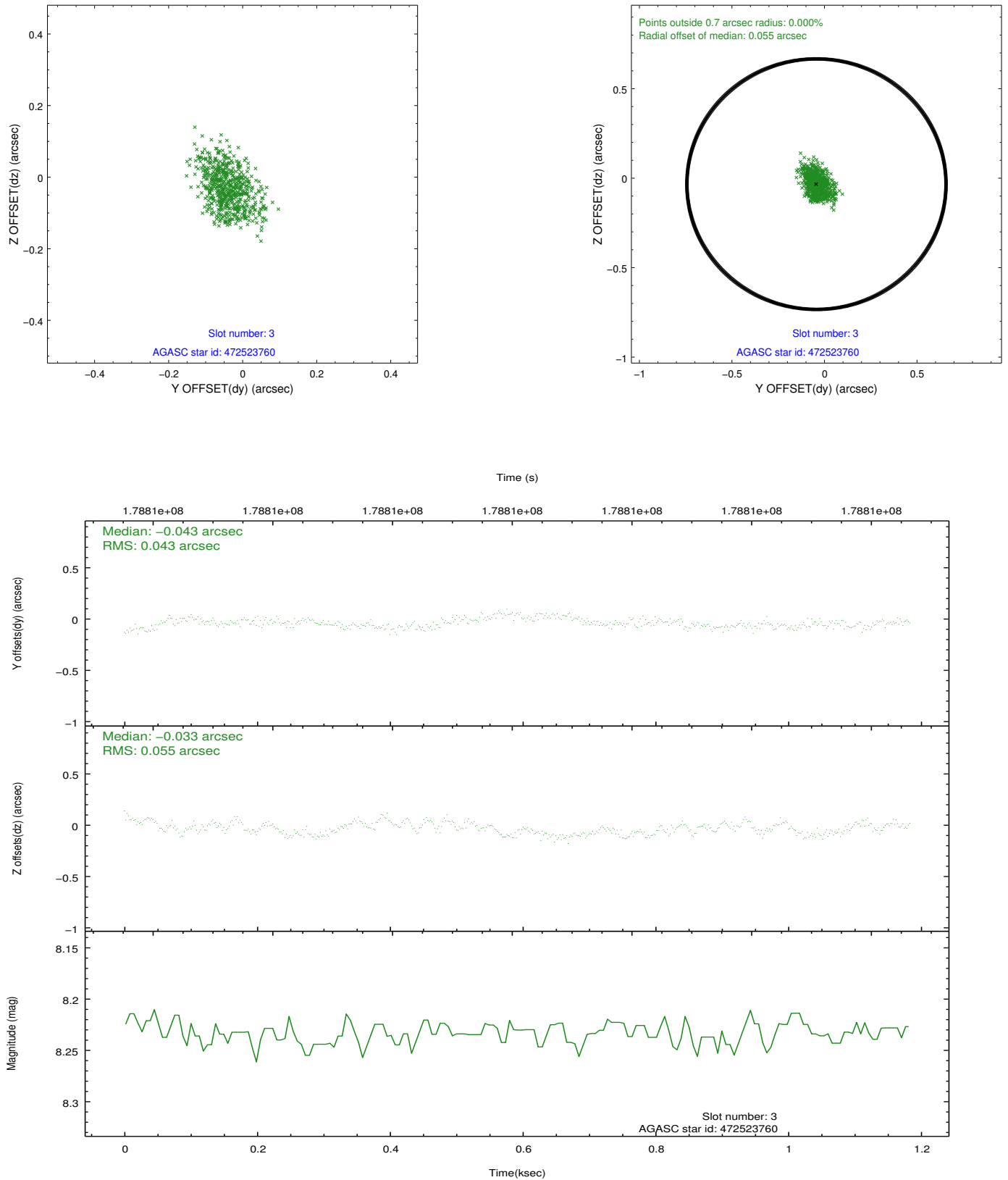


Slot Statistics

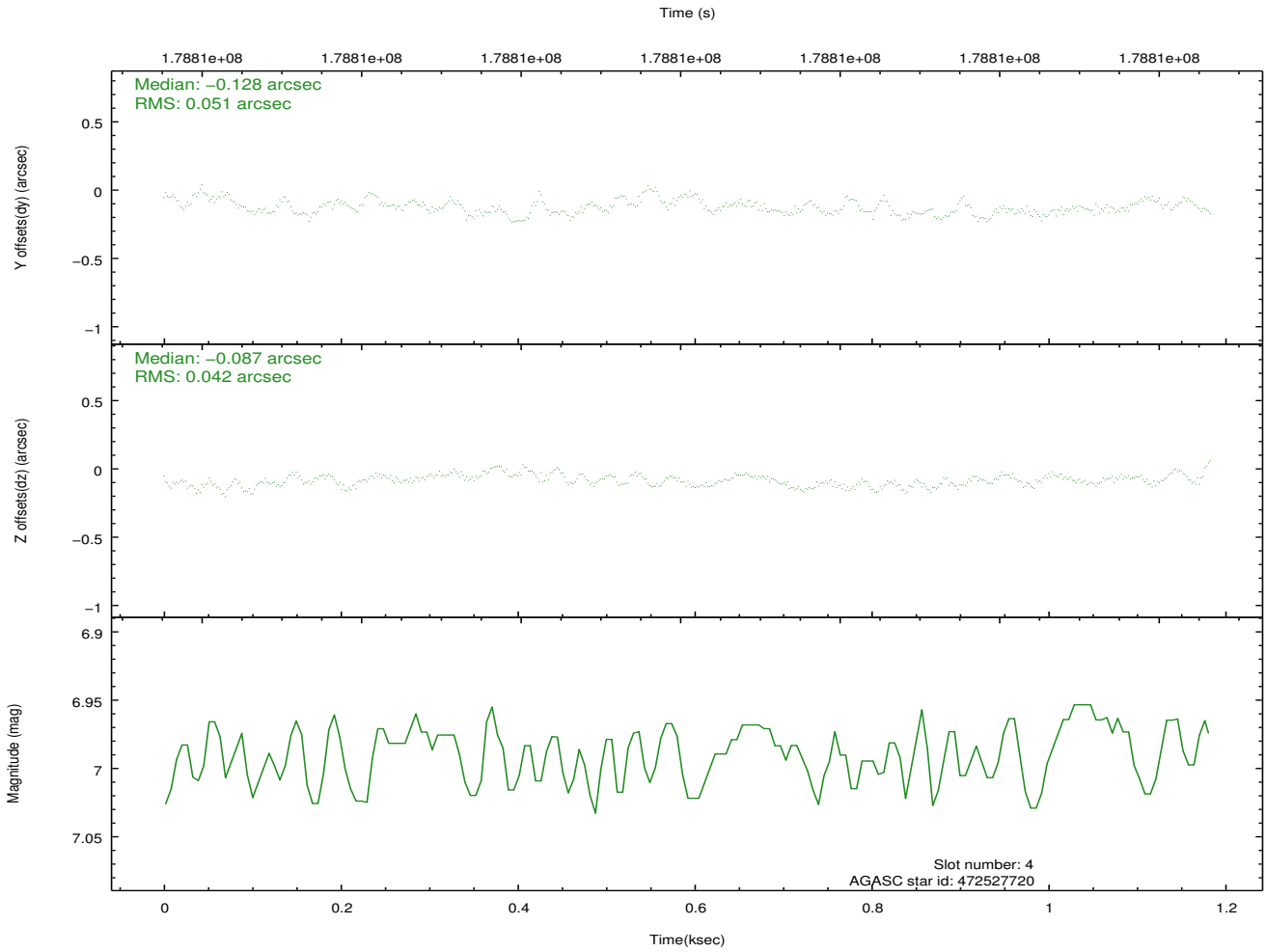
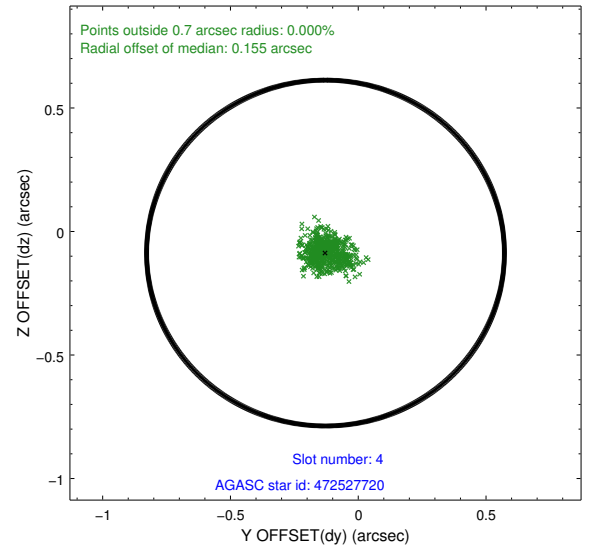
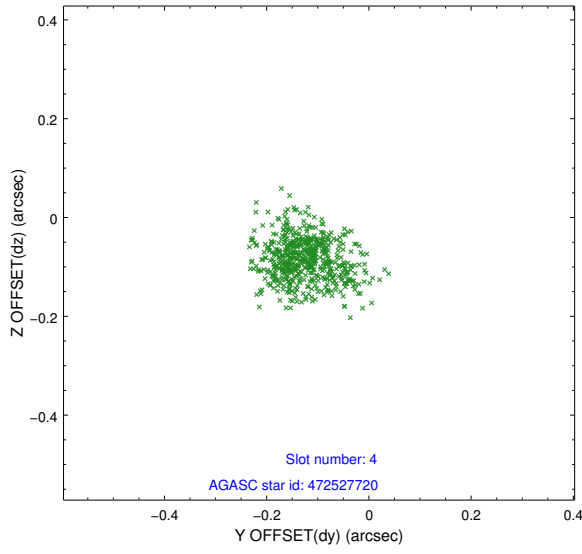
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	289	0.120	-0.114	0.008	0.012	0.000000	0.000000	-1161.20	-456.47
1	FID	HRC-S-2	7.02	289	0.156	-0.108	0.005	0.009	0.000000	0.000000	1234.49	-450.66
2	FID	HRC-S-3	7.03	289	0.113	-0.081	0.007	0.012	0.000000	0.000000	-1159.67	571.53
3	GUIDE	472523760	8.23	578	-0.043	-0.033	0.076	0.119	331.645363	45.403260	1343.43	1143.38
4	GUIDE	472527720	6.99	578	-0.128	-0.087	0.071	0.114	331.460205	45.112509	1994.90	2090.99
5	GUIDE	472533912	9.15	578	-0.000	0.010	0.113	0.177	331.791136	46.368695	371.35	-2208.81
6	GUIDE	472655152	9.45	578	0.089	0.057	0.092	0.155	332.504239	45.862991	-1071.43	-116.75
7	GUIDE	472659832	9.46	576	0.093	0.052	0.143	0.272	332.780399	46.098139	-1895.56	-833.42

2.4 Star Slots

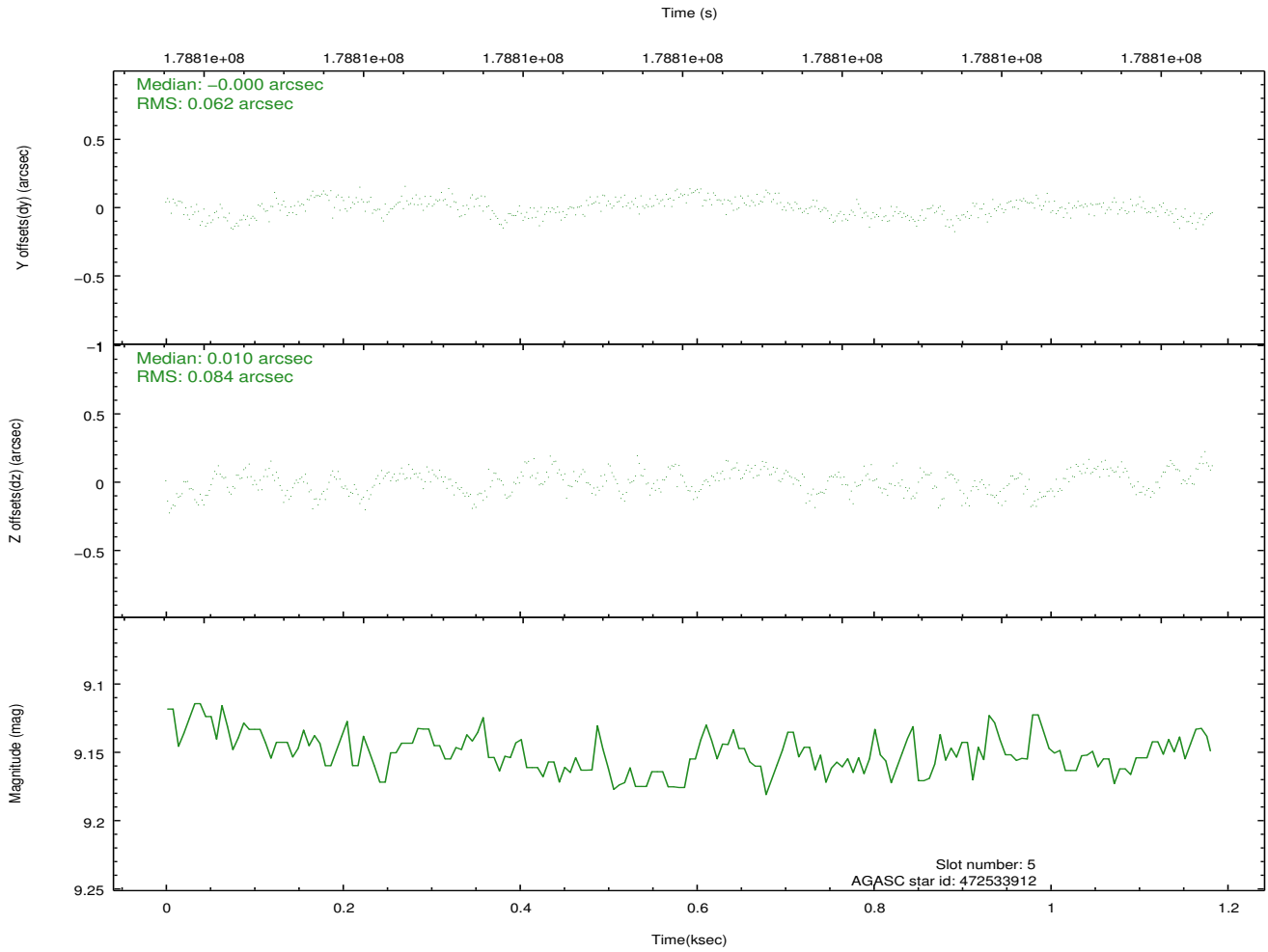
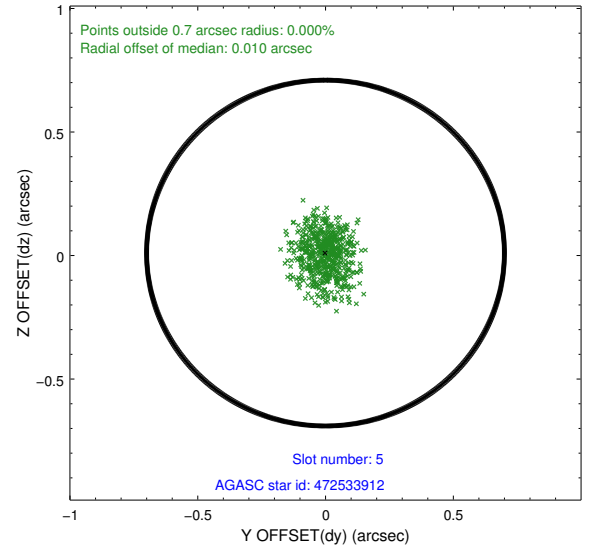
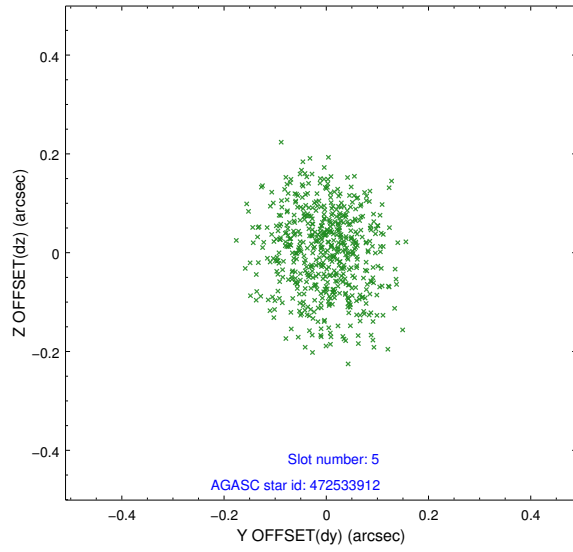
2.4.1 Slot 3



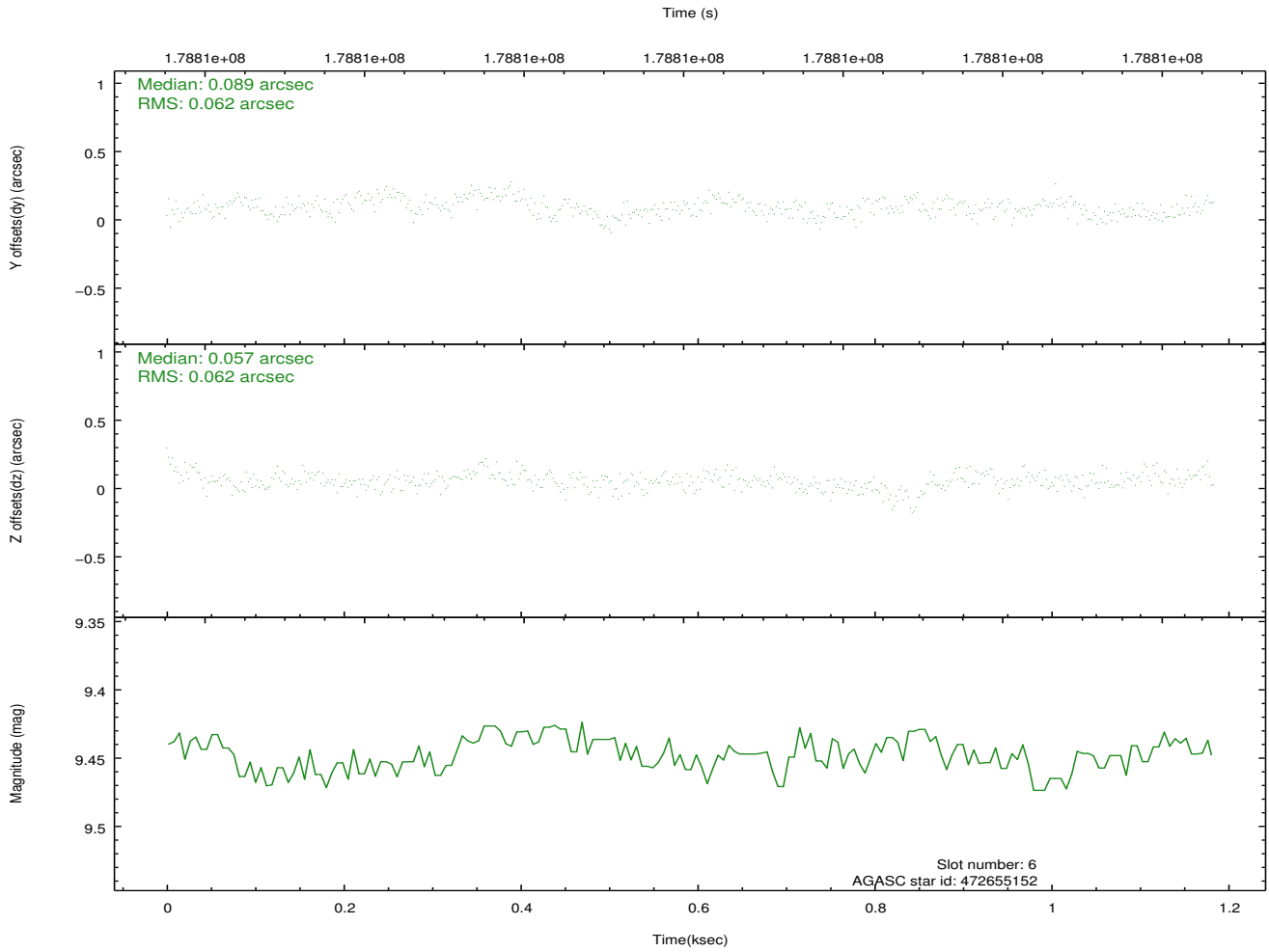
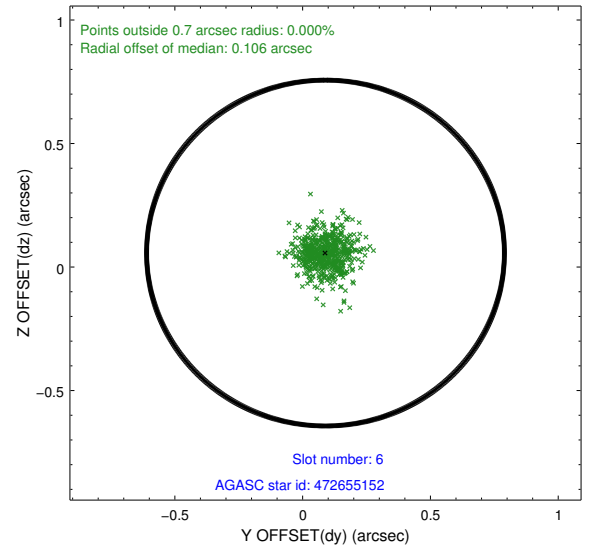
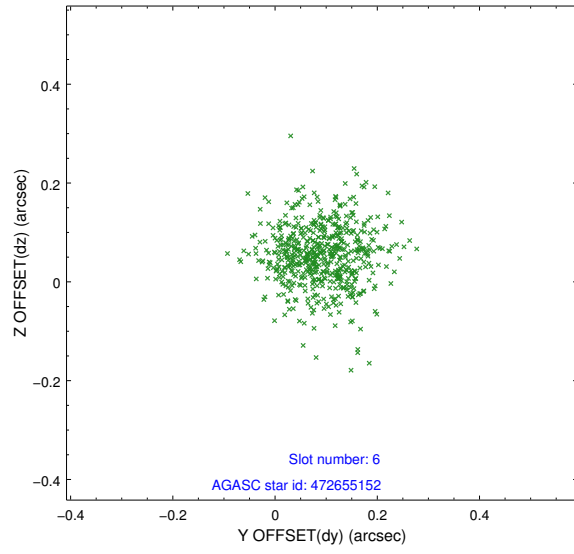
2.4.2 Slot 4



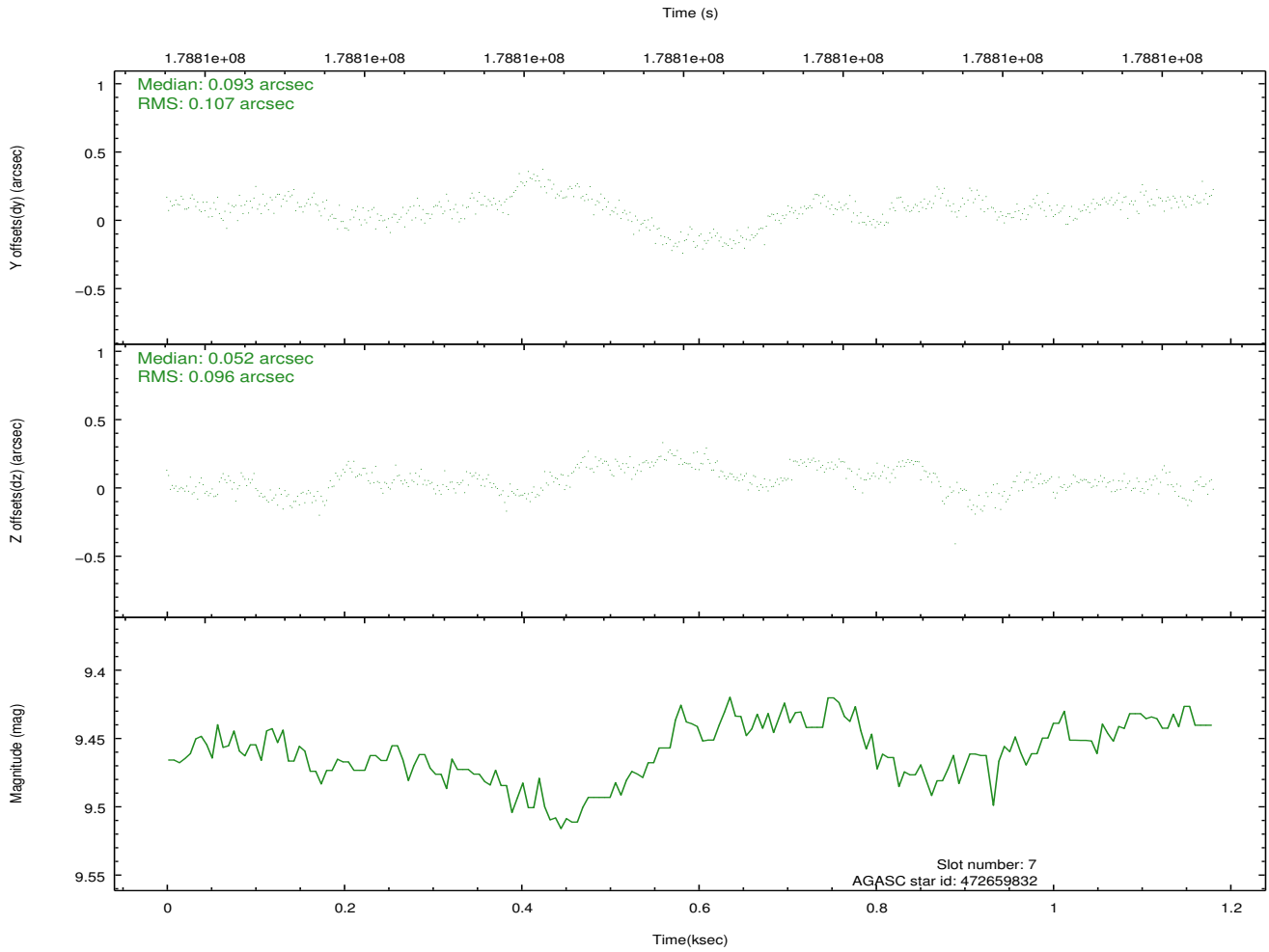
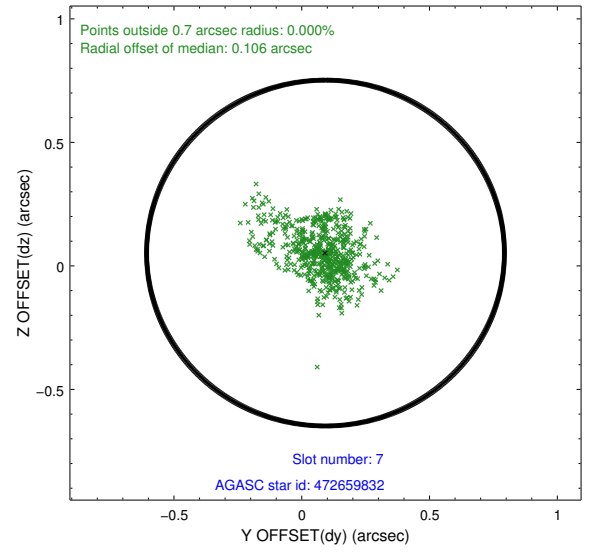
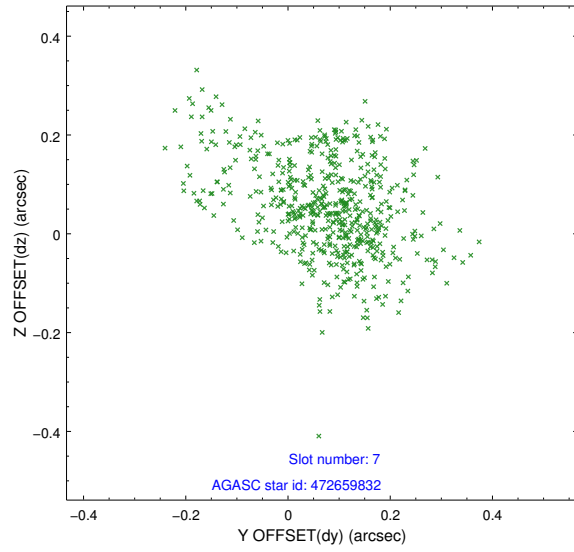
2.4.3 Slot 5



2.4.4 Slot 6

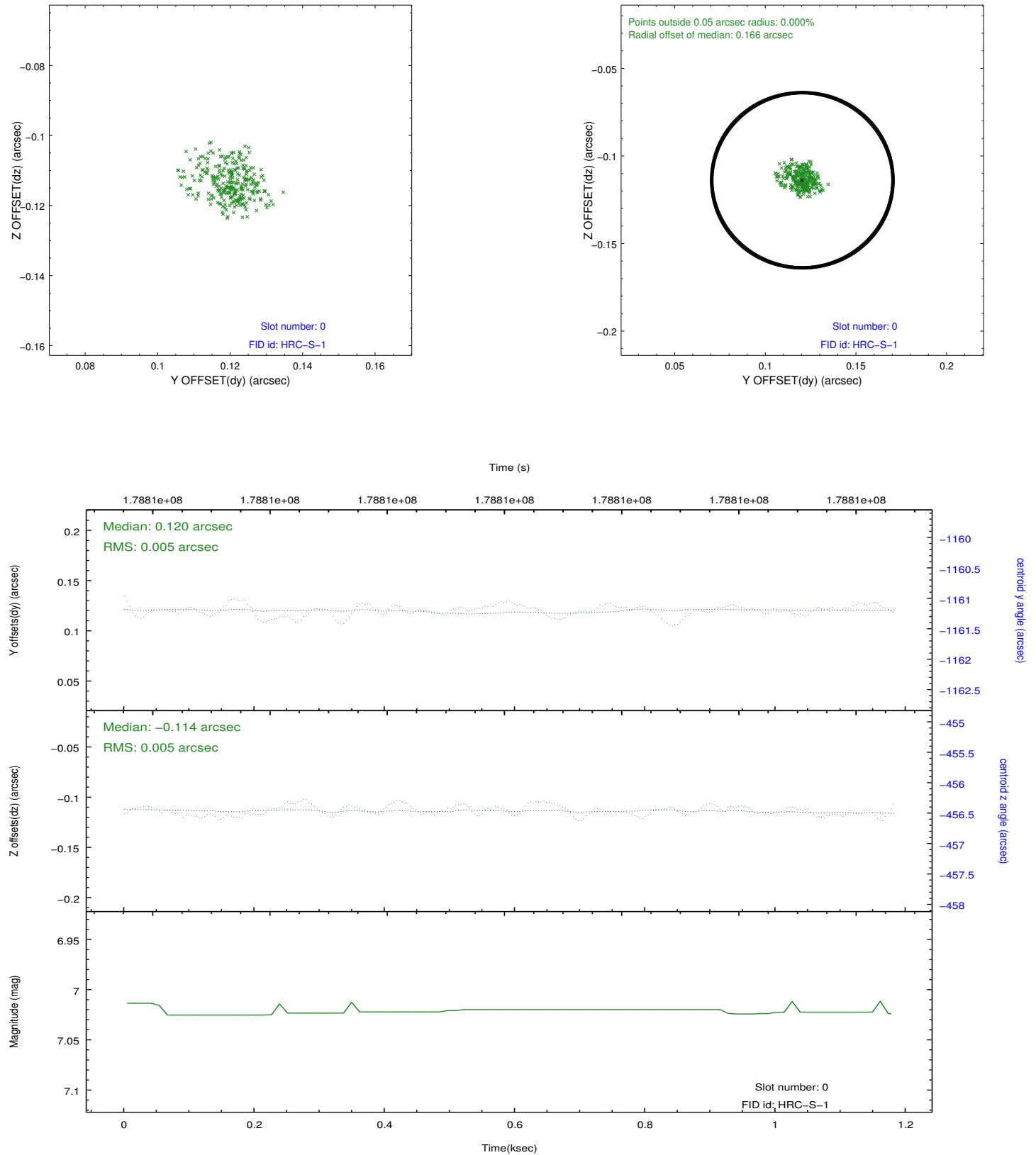


2.4.5 Slot 7

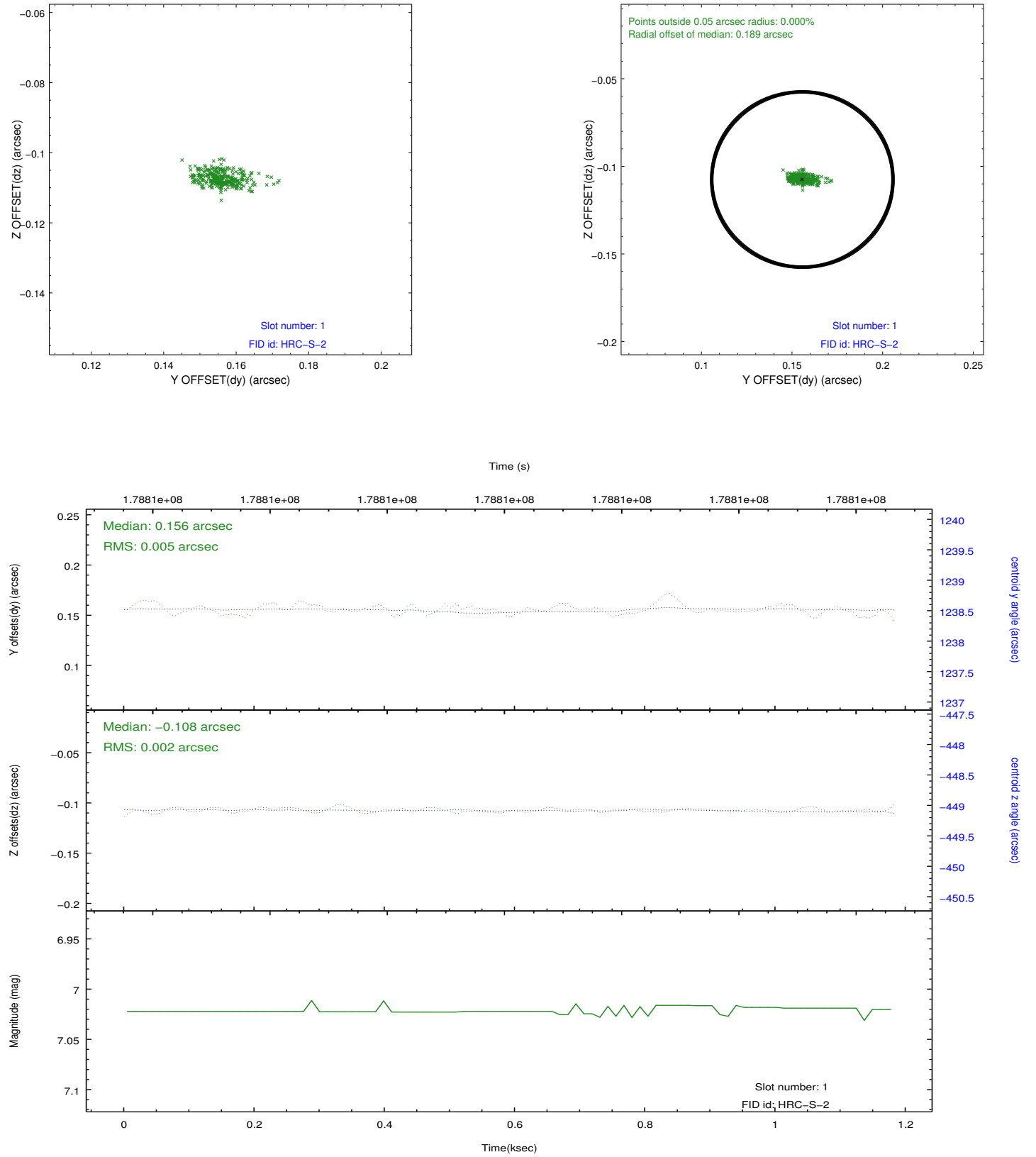


2.5 FID Slots

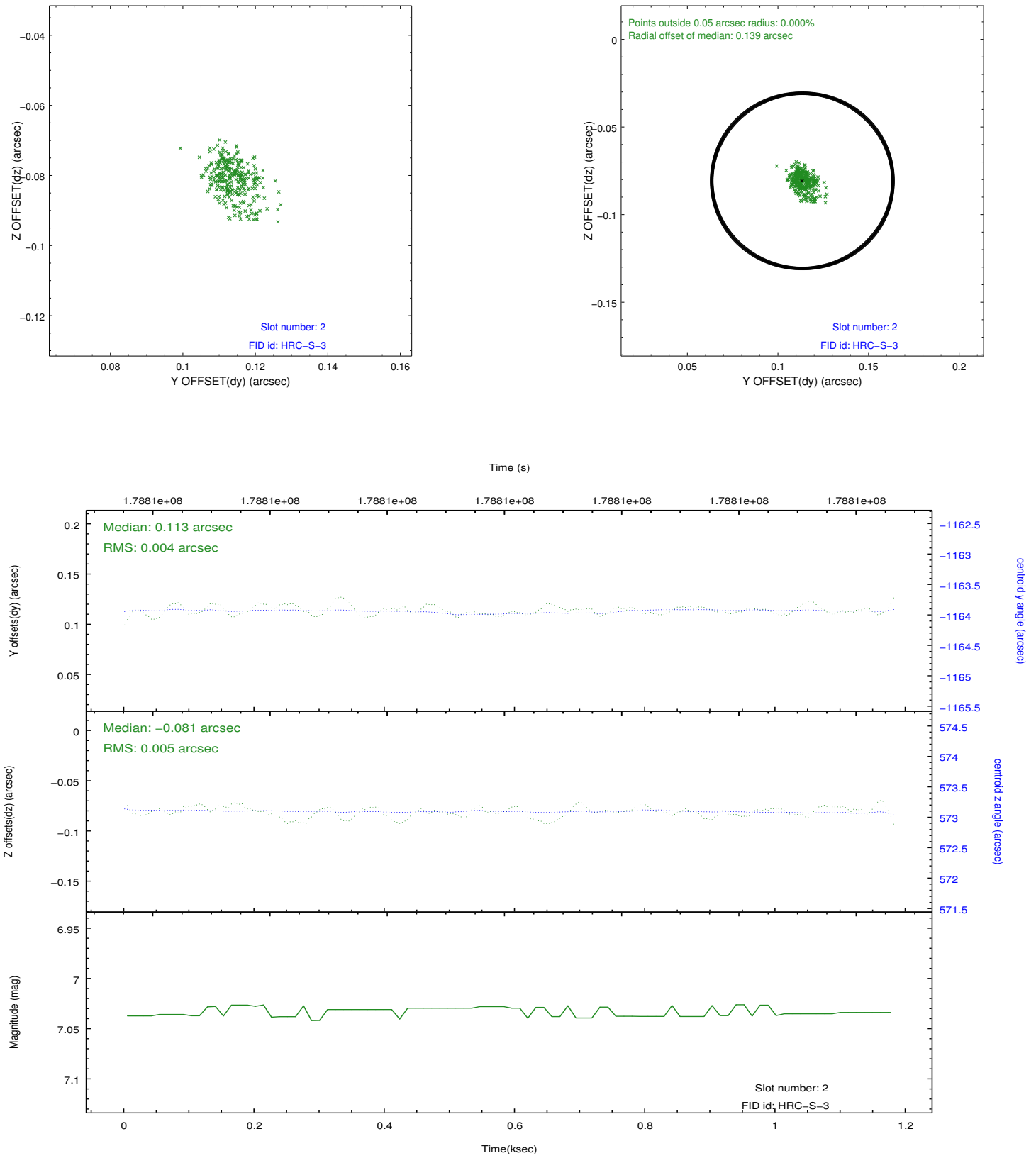
2.5.1 Slot 0



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	1.142

A.2 Comments