

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4325 - L2 Version 3
Chandra X-Ray Center

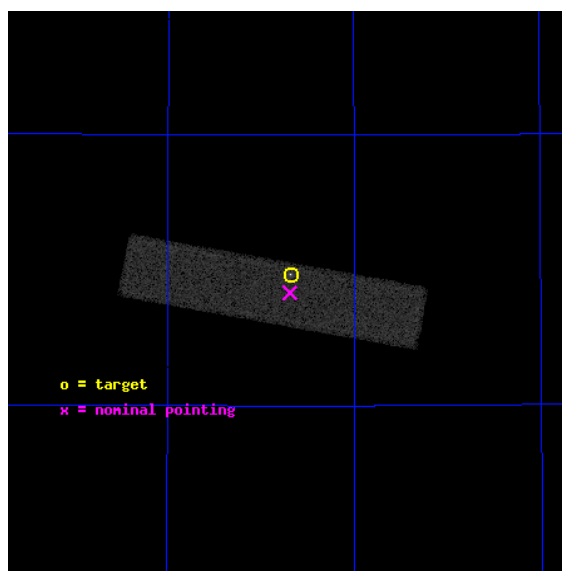
L2 Processing Date : Nov 2 2012

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1 Front

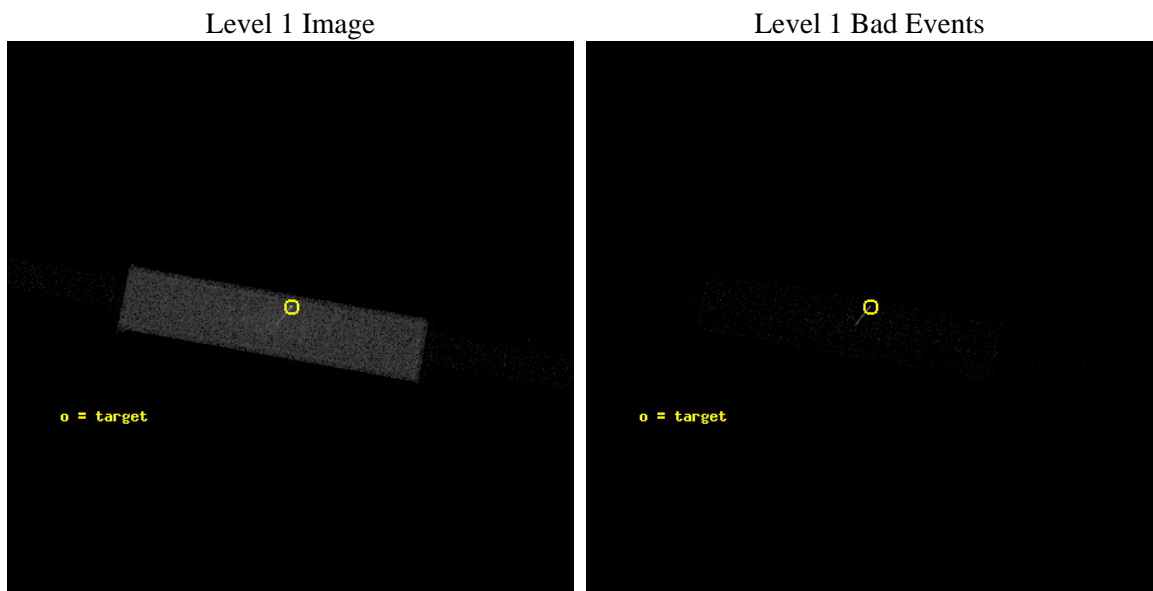
seq_num	290285	Sequence number
obs_id	4325	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17214981442	Nominal RA [deg]
dec_nom	45.708699738713	Nominal Dec [deg]
roll_nom	189.99027279007	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062988937	[s]
livetime	1136.3124459513	Ontime multiplied by DTCOR
l2events	40673	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	67100	Number of level 1 events
date	2012-11-02T16:33:20	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

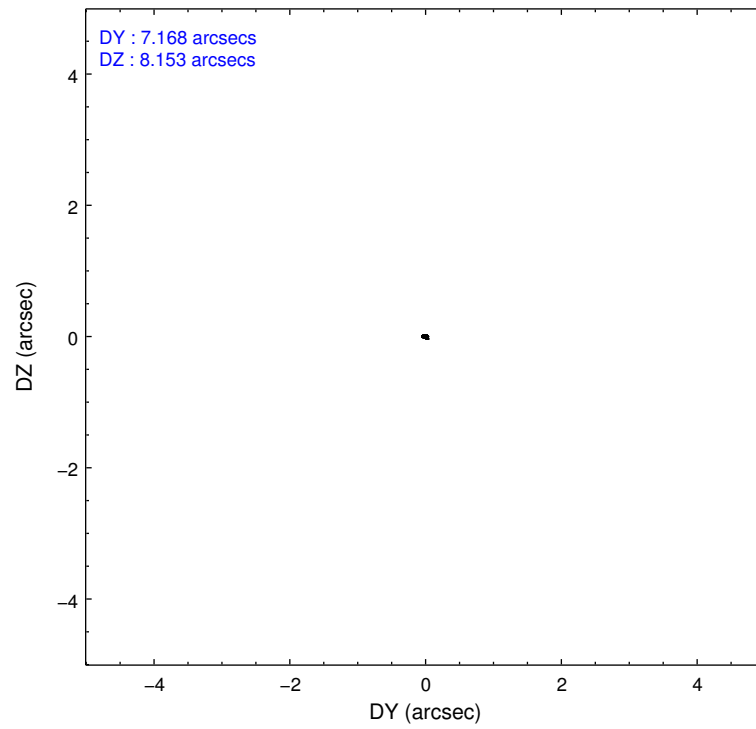
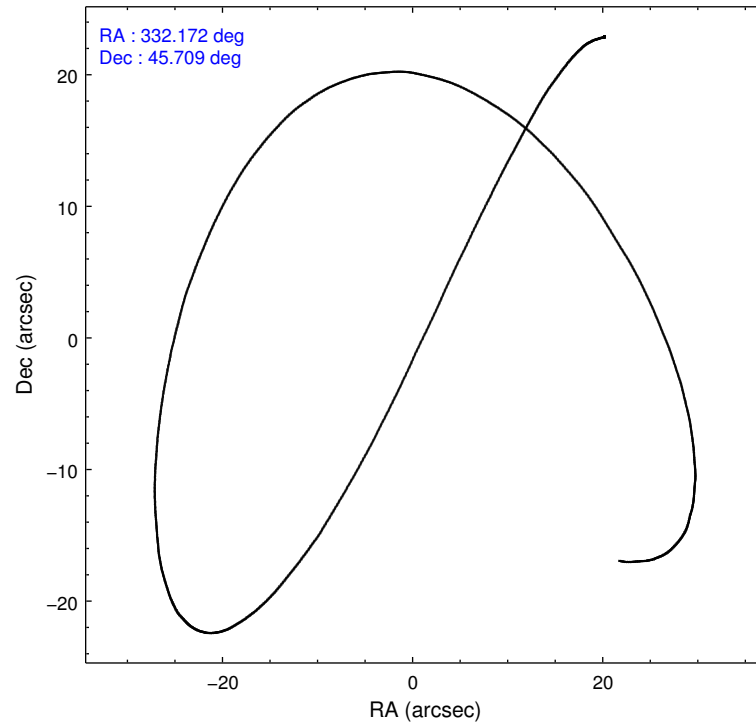
Level 1 Events

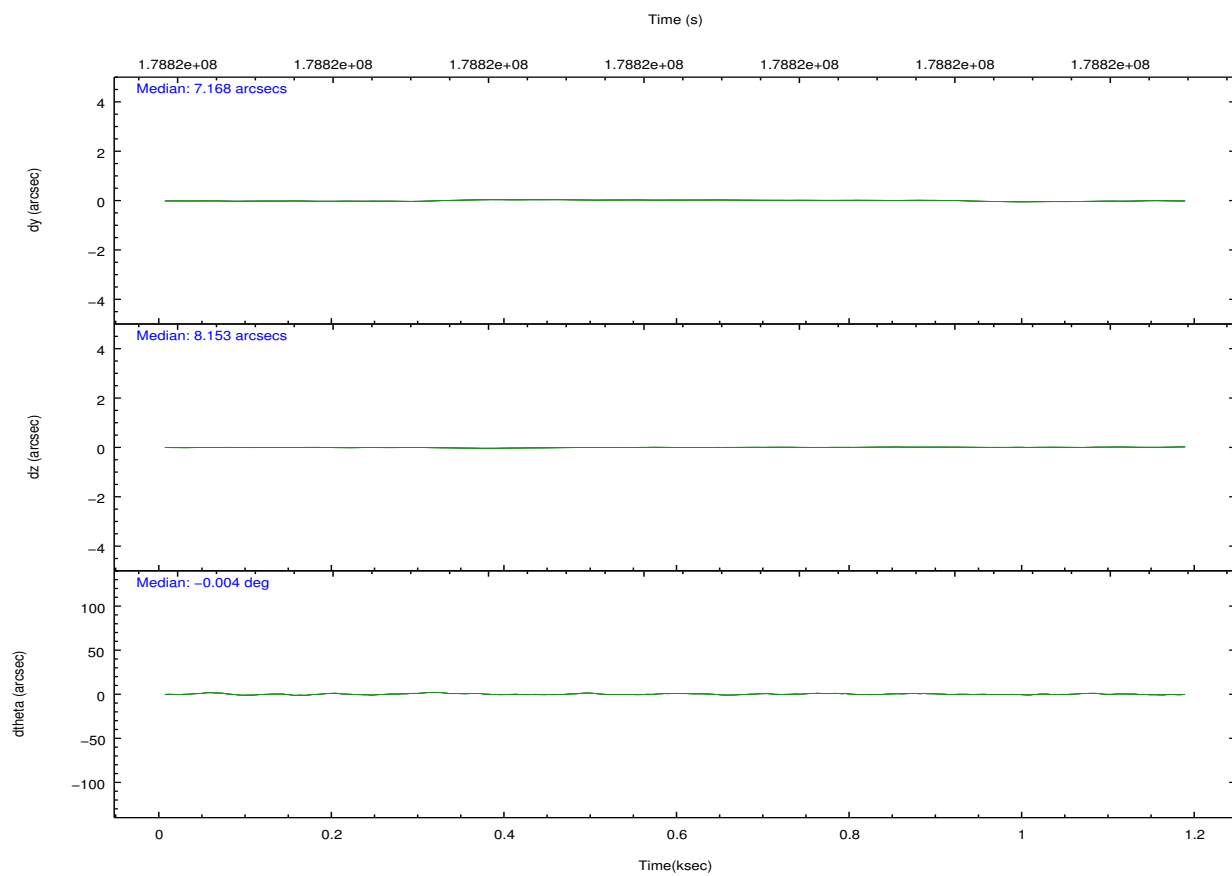
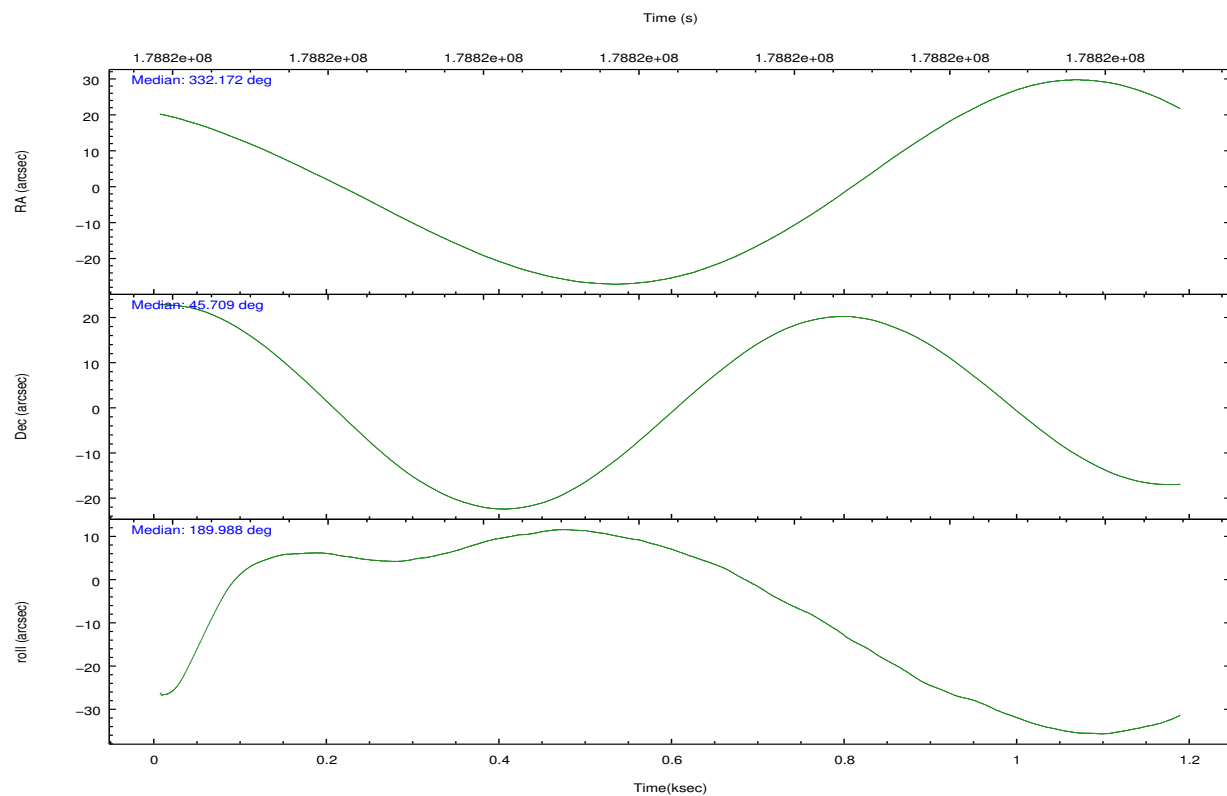
	segment 1	segment 2	segment 3
level 1 events	1036	65059	1005
rejected events	1036	14761	1005
rejected %	100%	22%	100%

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	332.201641	332.1721498144183			
[deg] Pointing Dec	45.728232	45.70869973871312			
[deg] Pointing Roll	189.901769	189.9902727900716			
[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)	178819038.184000	178818662.32043			
Observation start date	2003-09-01T15:56:14	2003-09-01T15:51:02			
[s] Observation end time (MET)	178820038.184000	178820172.658			
Observation end date	2003-09-01T16:12:54	2003-09-01T16:16:12			

2.3 Aspect



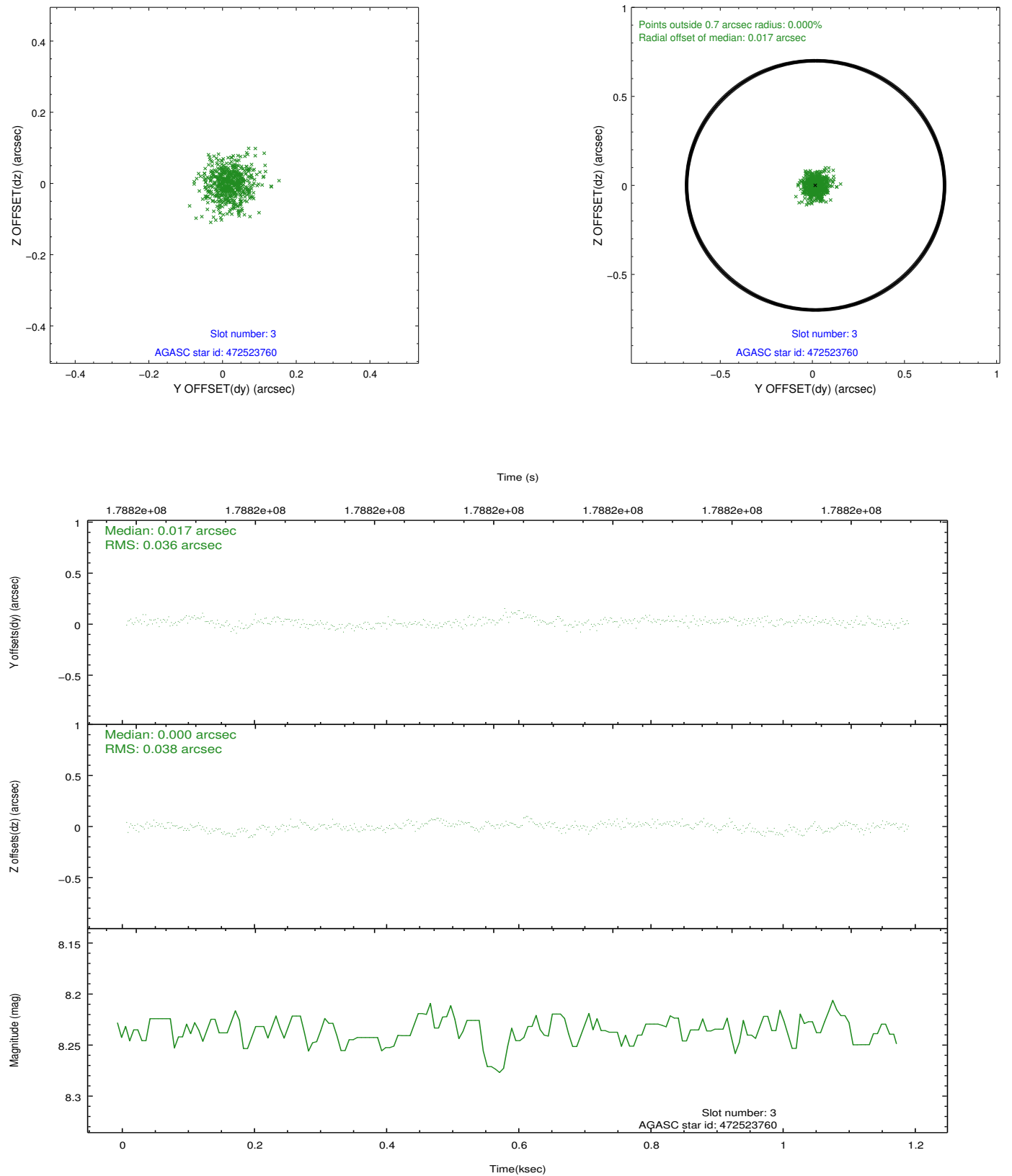


Slot Statistics

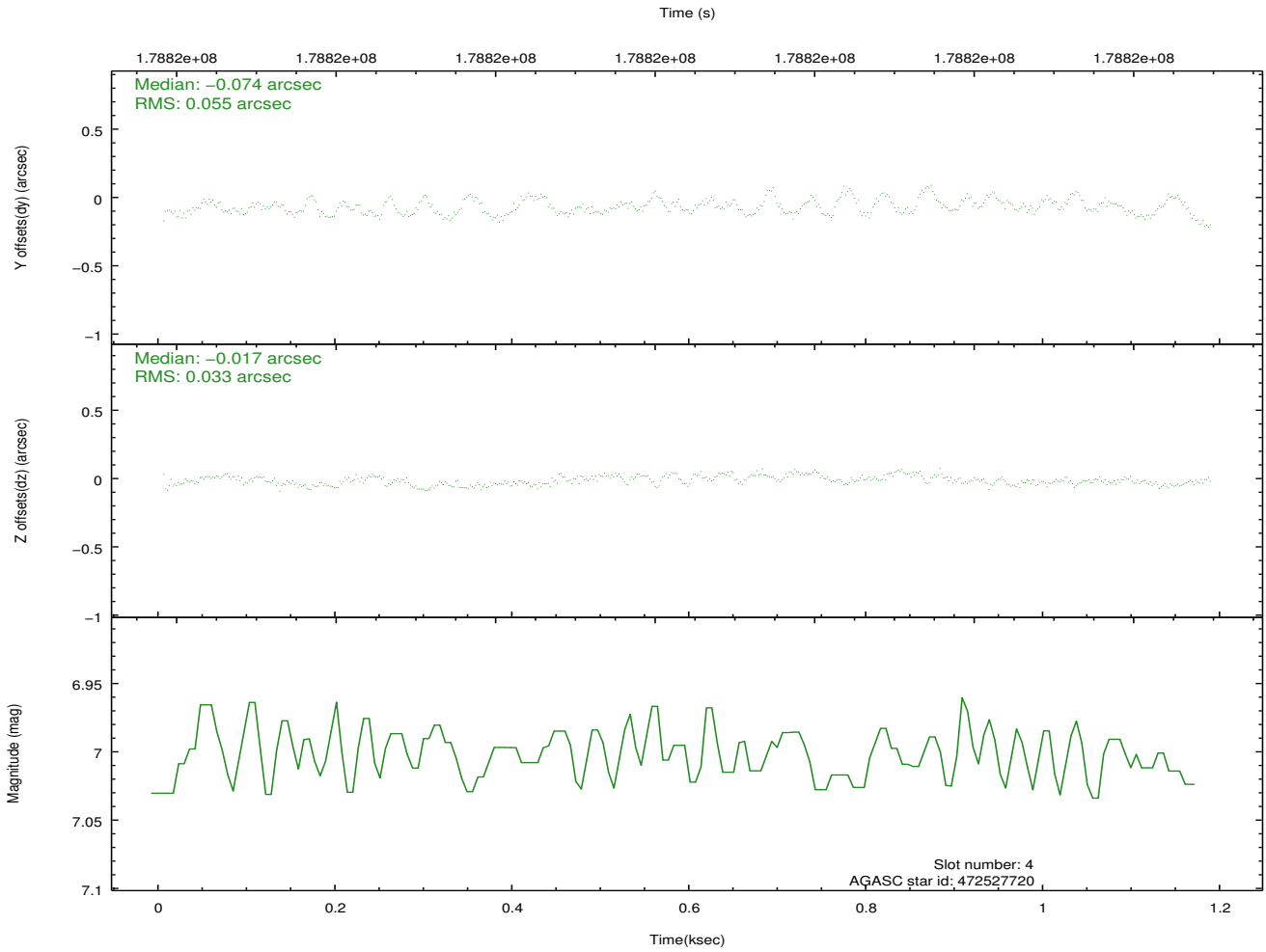
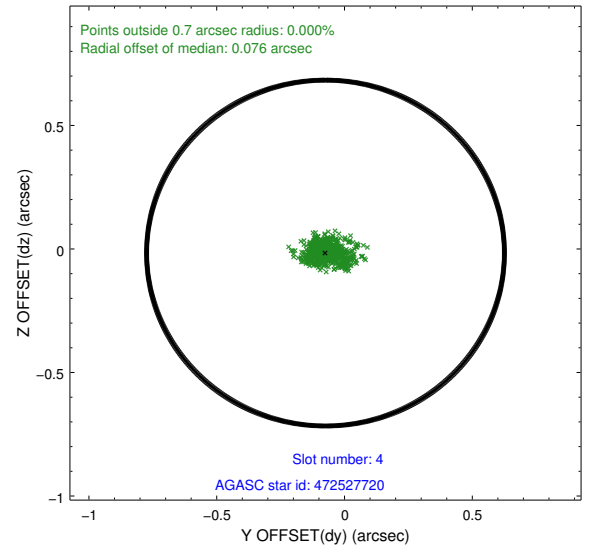
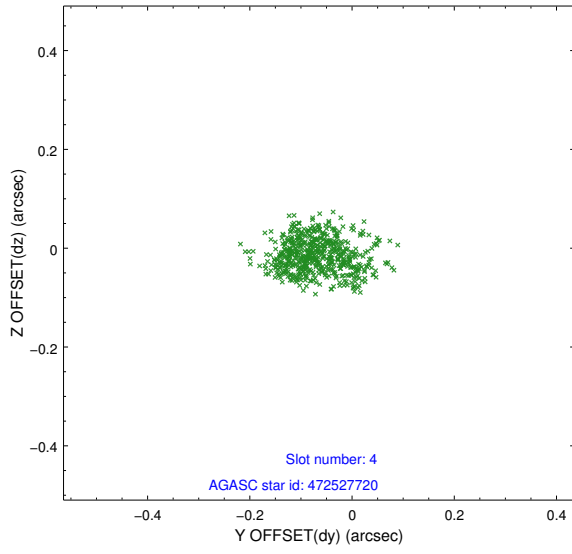
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	289	0.125	-0.122	0.008	0.014	0.000000	0.000000	-1161.33	-456.75
1	FID	HRC-S-2	7.02	289	0.157	-0.110	0.005	0.008	0.000000	0.000000	1234.37	-450.95
2	FID	HRC-S-3	7.03	289	0.108	-0.071	0.008	0.015	0.000000	0.000000	-1159.80	571.27
3	GUIDE	472523760	8.24	578	0.017	0.000	0.055	0.094	331.645363	45.403260	1586.94	905.68
4	GUIDE	472527720	7.00	578	-0.074	-0.017	0.066	0.113	331.460205	45.112509	2239.39	1852.54
5	GUIDE	472654568	9.44	578	-0.005	-0.135	0.130	0.200	332.194449	45.063576	434.67	2356.71
6	GUIDE	472659832	9.46	578	0.074	0.072	0.101	0.168	332.780399	46.098139	-1650.74	-1064.91
7	GUIDE	472533912	9.16	574	-0.023	0.074	0.109	0.179	331.791136	46.368695	606.36	-2451.42

2.4 Star Slots

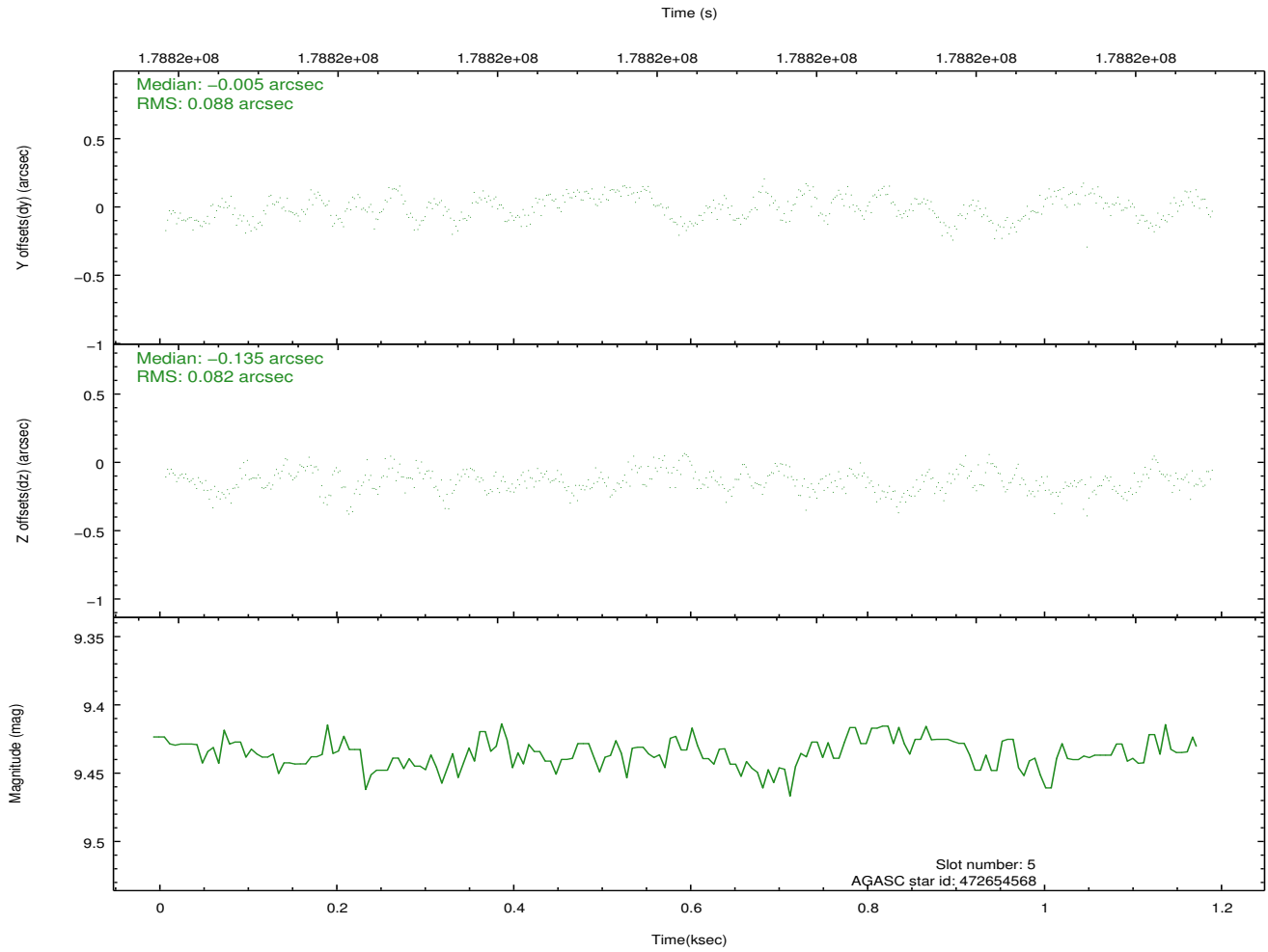
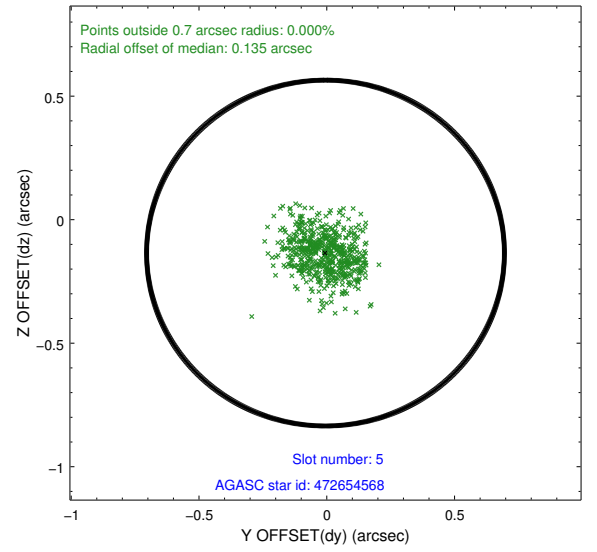
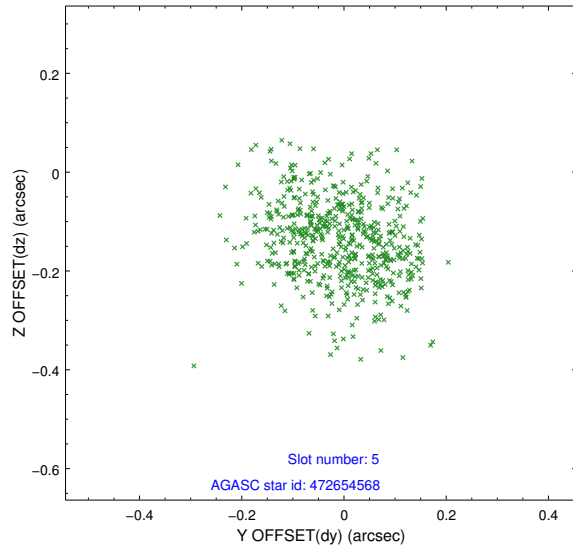
2.4.1 Slot 3



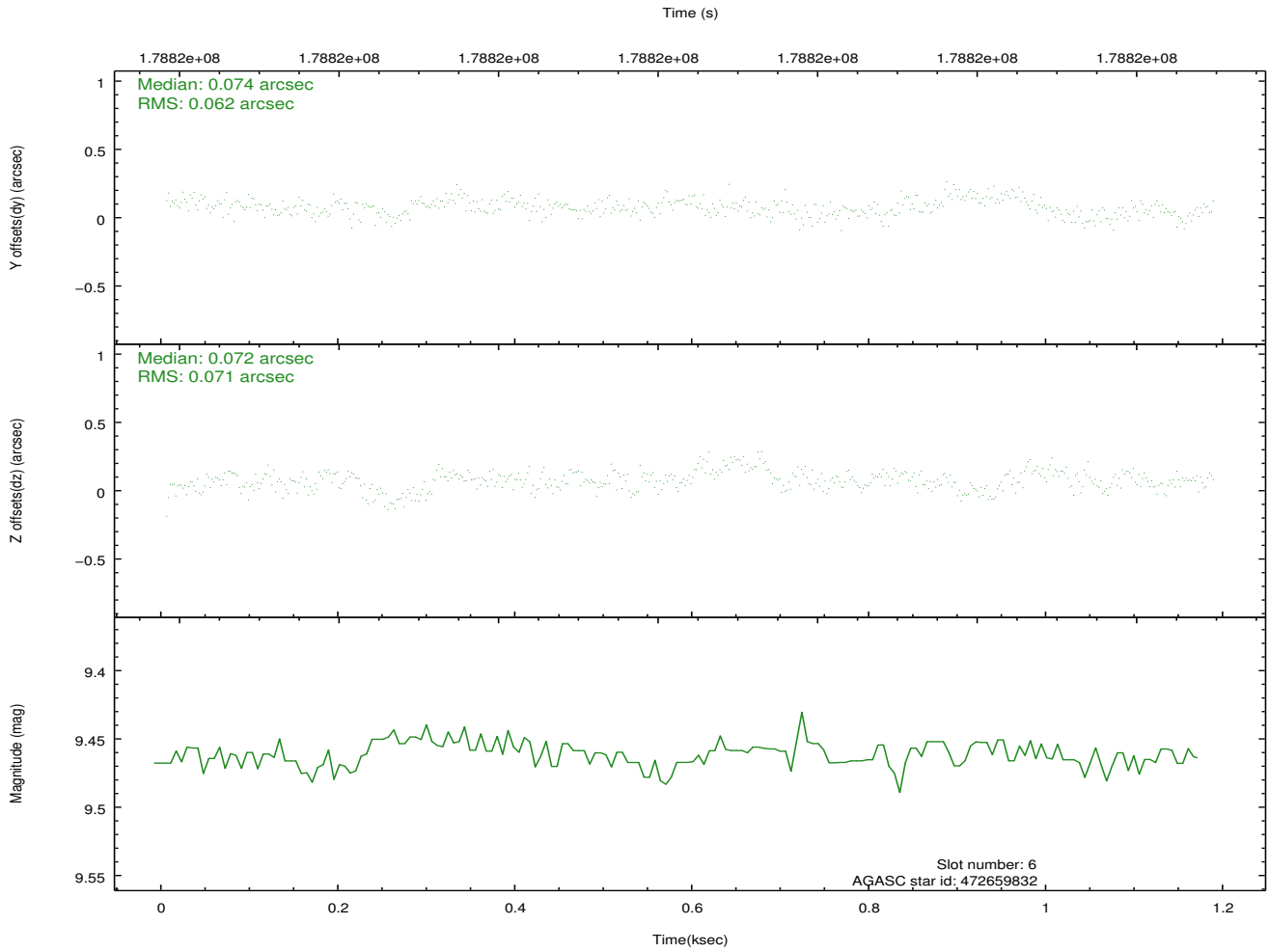
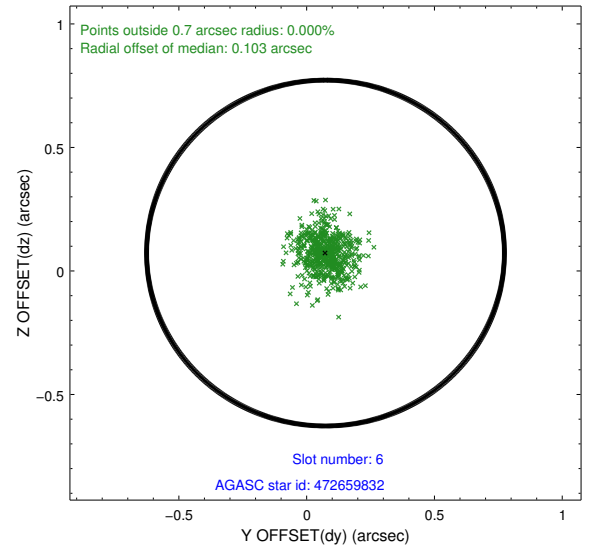
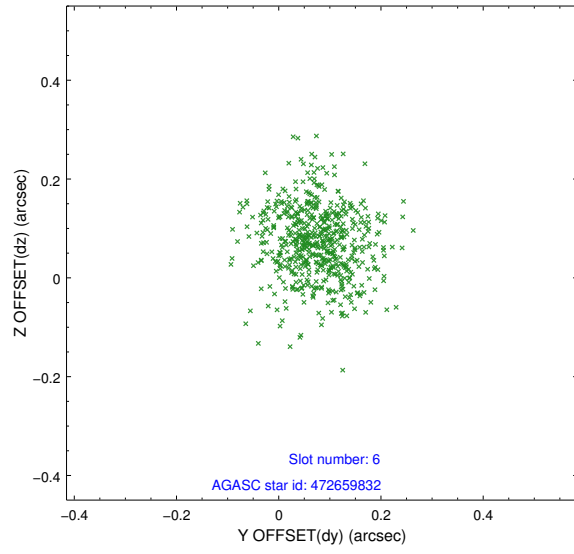
2.4.2 Slot 4



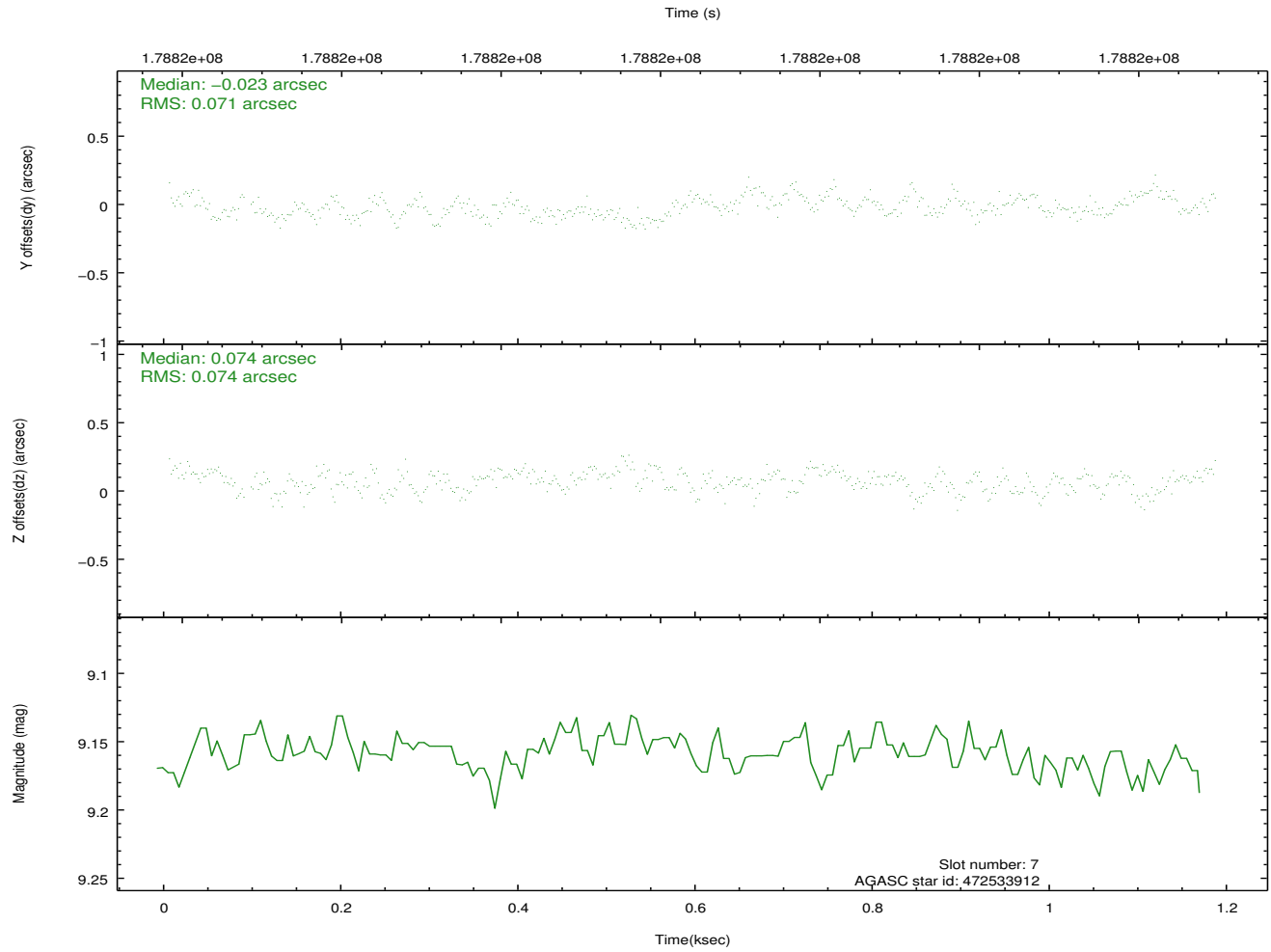
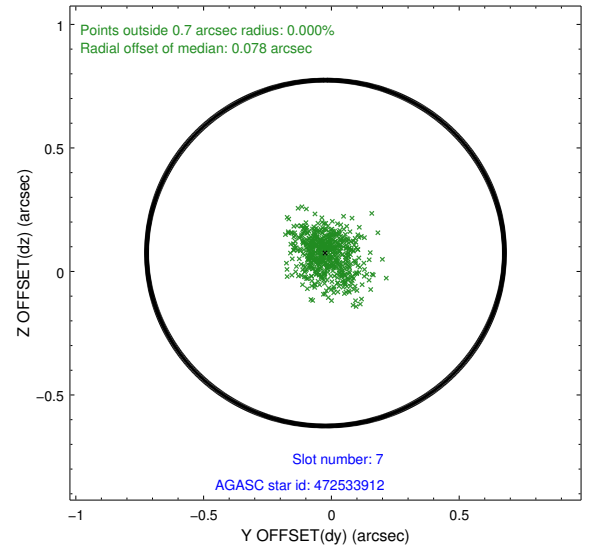
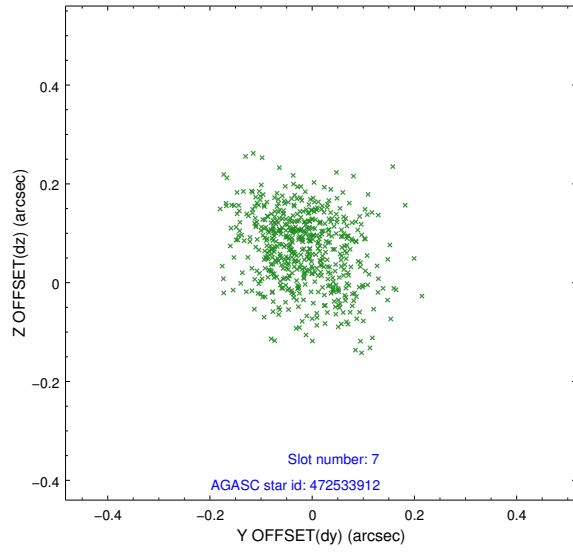
2.4.3 Slot 5



2.4.4 Slot 6

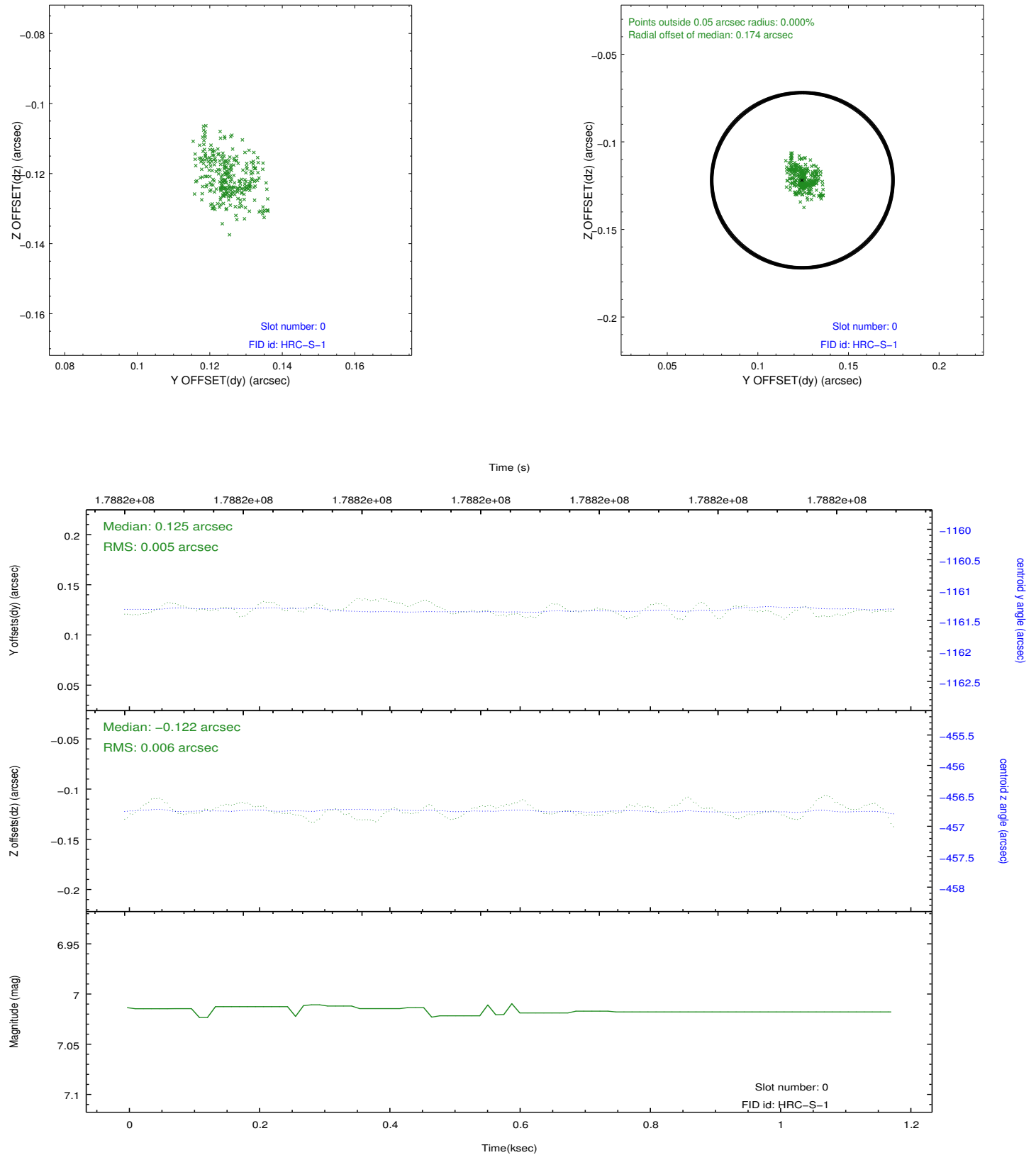


2.4.5 Slot 7

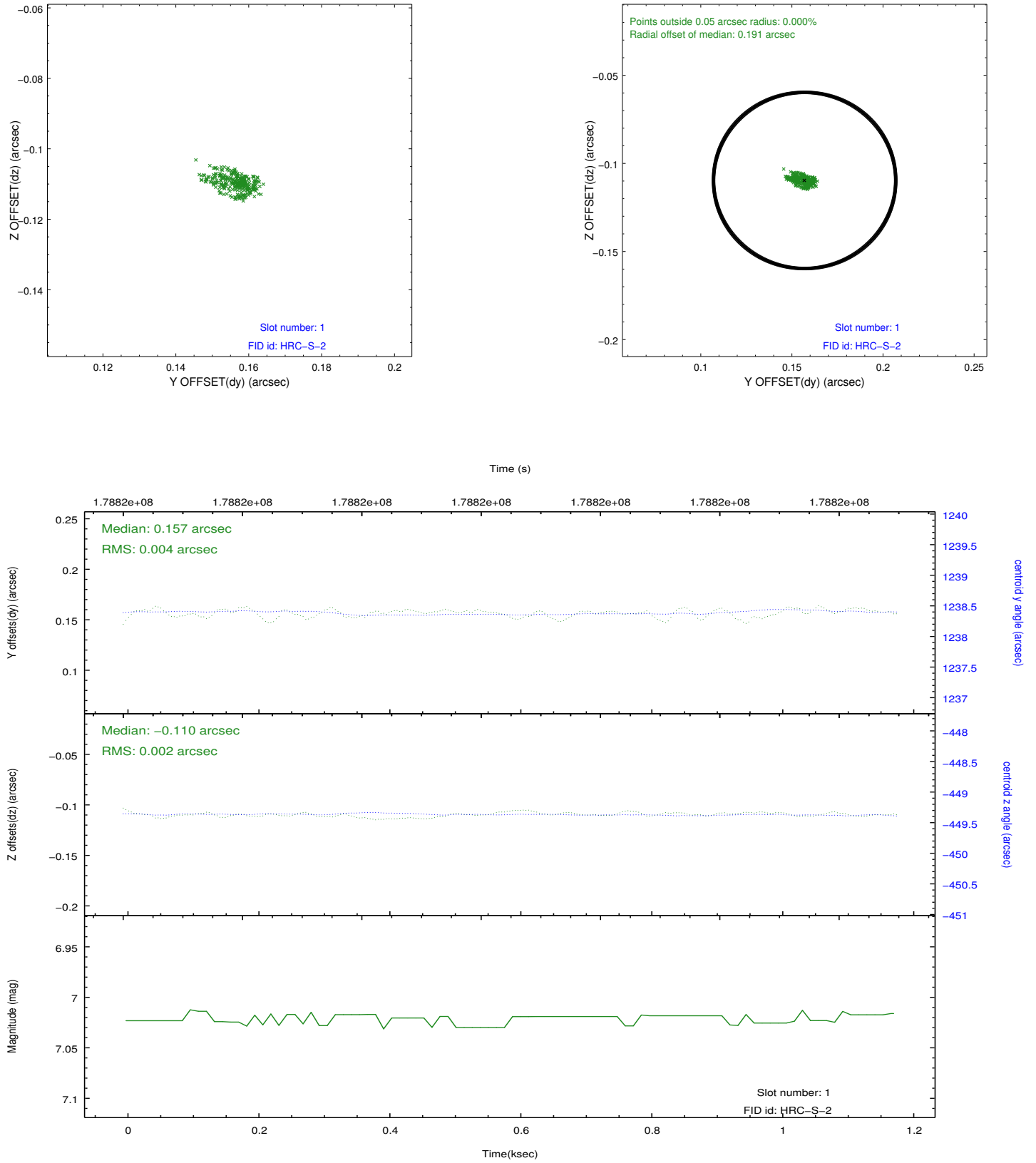


2.5 FID Slots

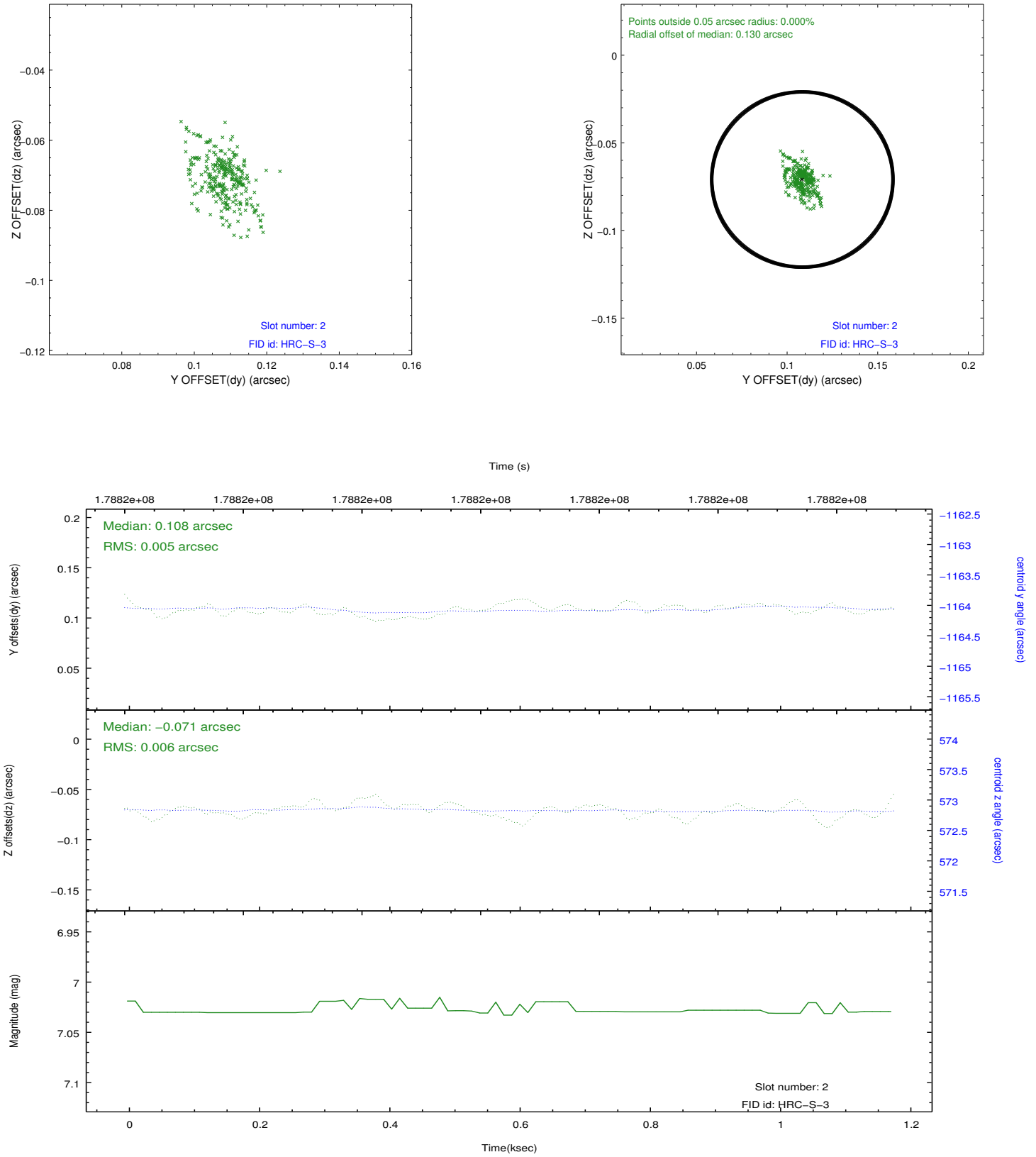
2.5.1 Slot 0



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