

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4306 - L2 Version 4
Chandra X-Ray Center

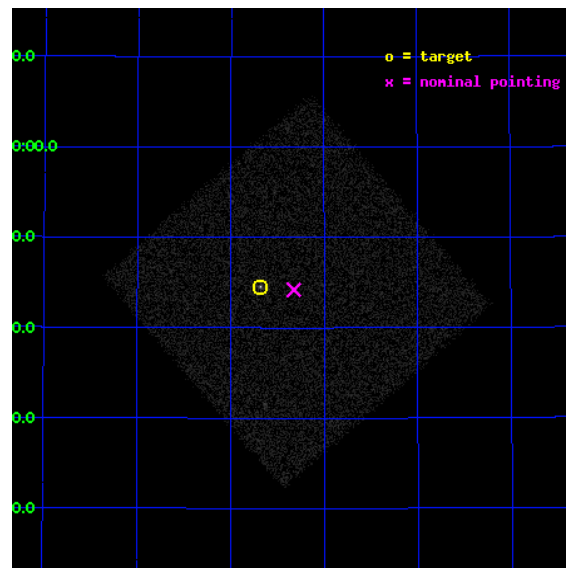
L2 Processing Date : Oct 23 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

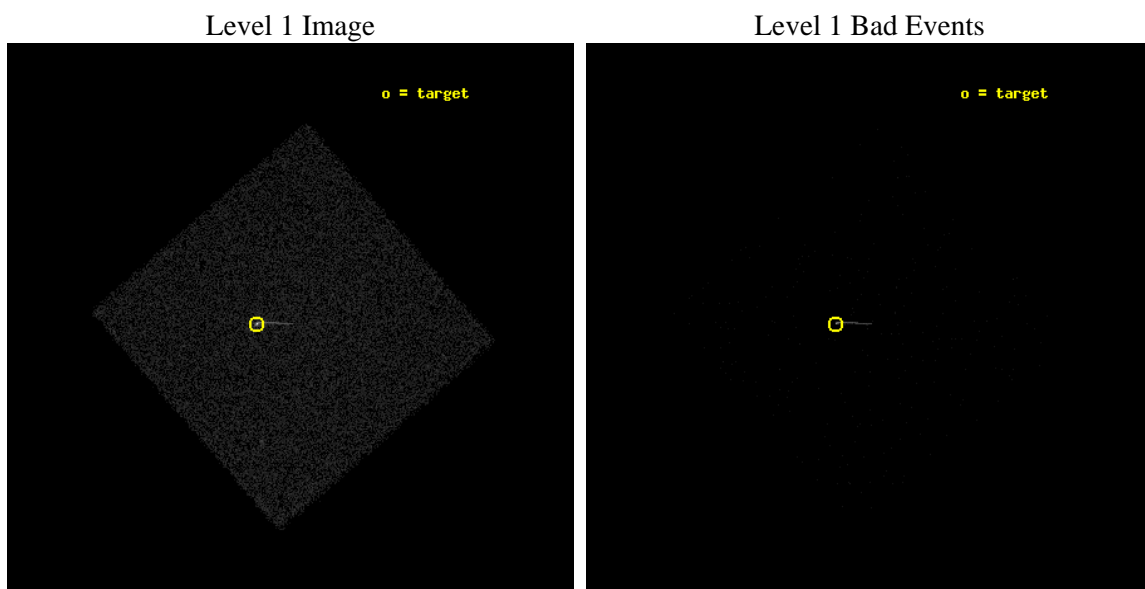
seq_num	290266	Sequence number
obs_id	4306	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08085367167	Nominal RA [deg]
dec_nom	45.736962442851	Nominal Dec [deg]
roll_nom	4.0155971206864	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1181.8250496984	[s]
livetime	1175.3772814163	Ontime multiplied by DTCOR
l2events	35983	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	1181.8250496984	[s]
caldbver	4.5.2	 	l1events	65728	Number of level 1 events
date	2012-10-23T09:30:20	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

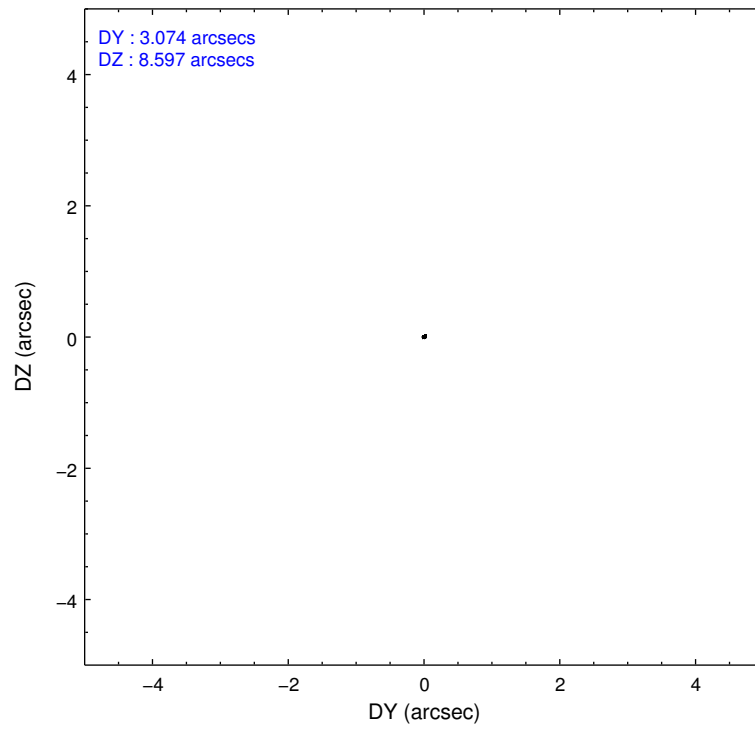
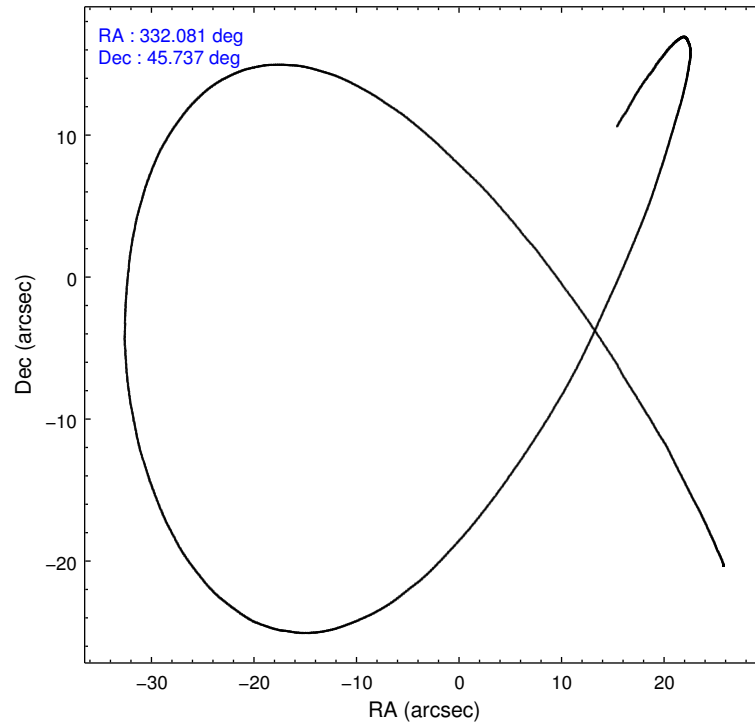
	segment 0
level 1 events	65728
rejected events	14249
rejected %	21%

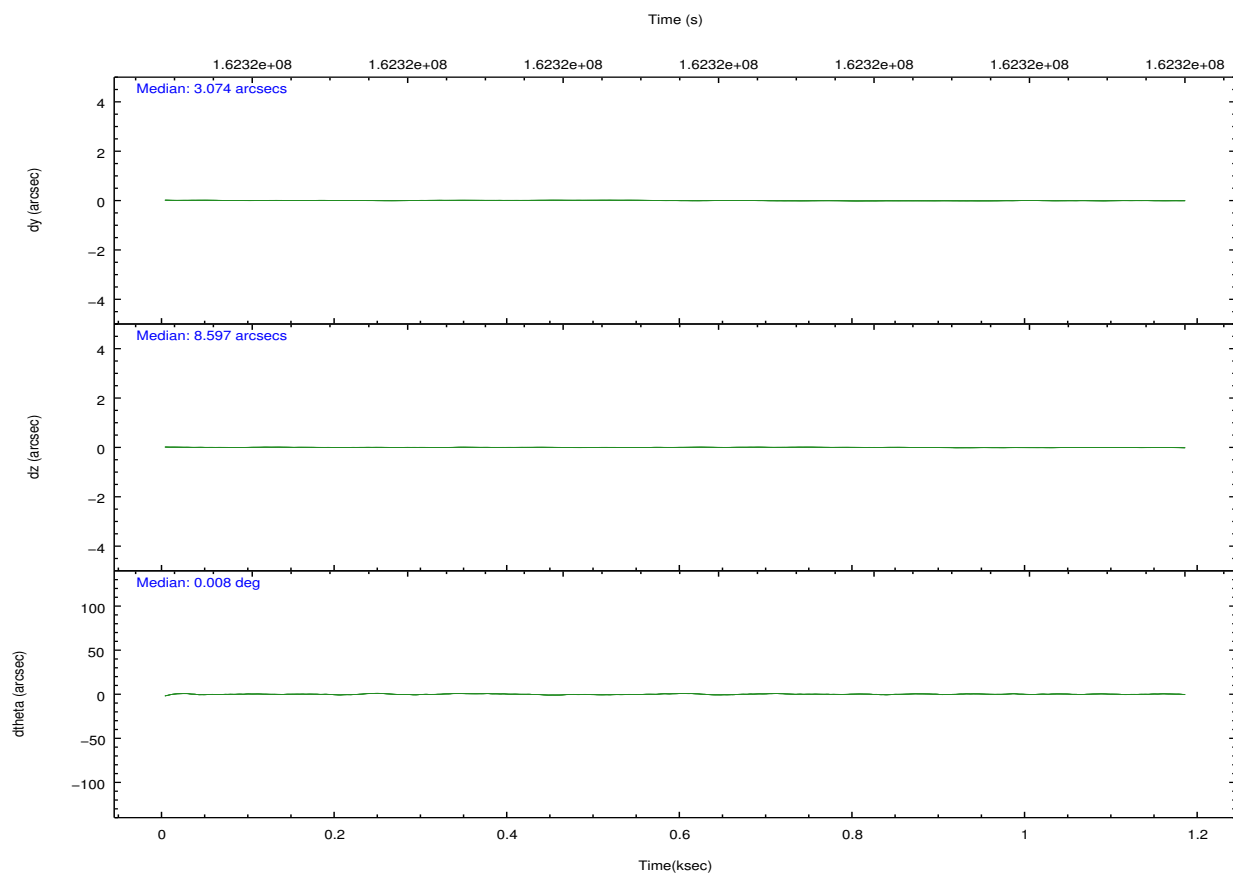
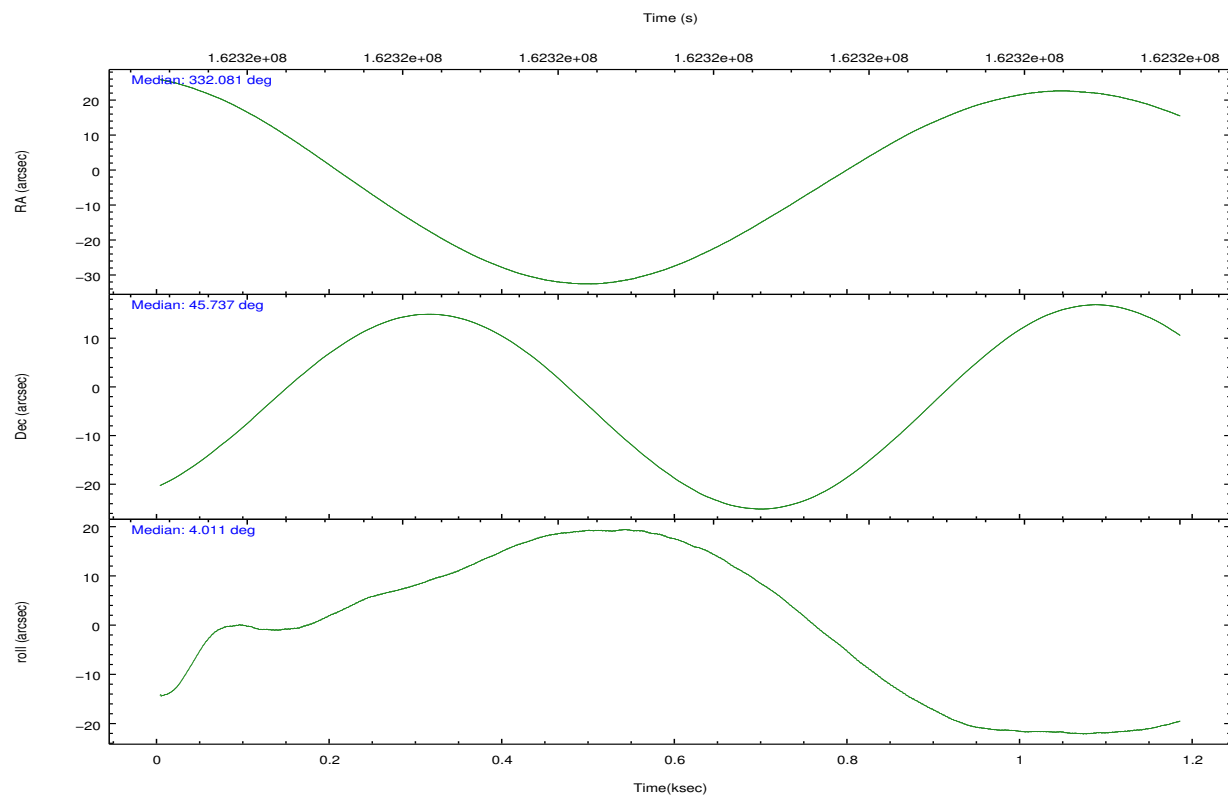
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.048711	332.0808536716723
[deg] Pointing Dec	45.720537	45.73696244285135
[deg] Pointing Roll	4.134027	4.015597120686418
[s] Window start time (MET)	161654464.184000	161654464.184000
[s] Window stop time (MET)	165369664.184000	165369664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	162317738.184000	162317361.89556
Observation start date	2003-02-22T16:14:34	2003-02-22T16:09:21
[s] Observation end time (MET)	162318738.184000	162318871.72062
Observation end date	2003-02-22T16:31:14	2003-02-22T16:34:31

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



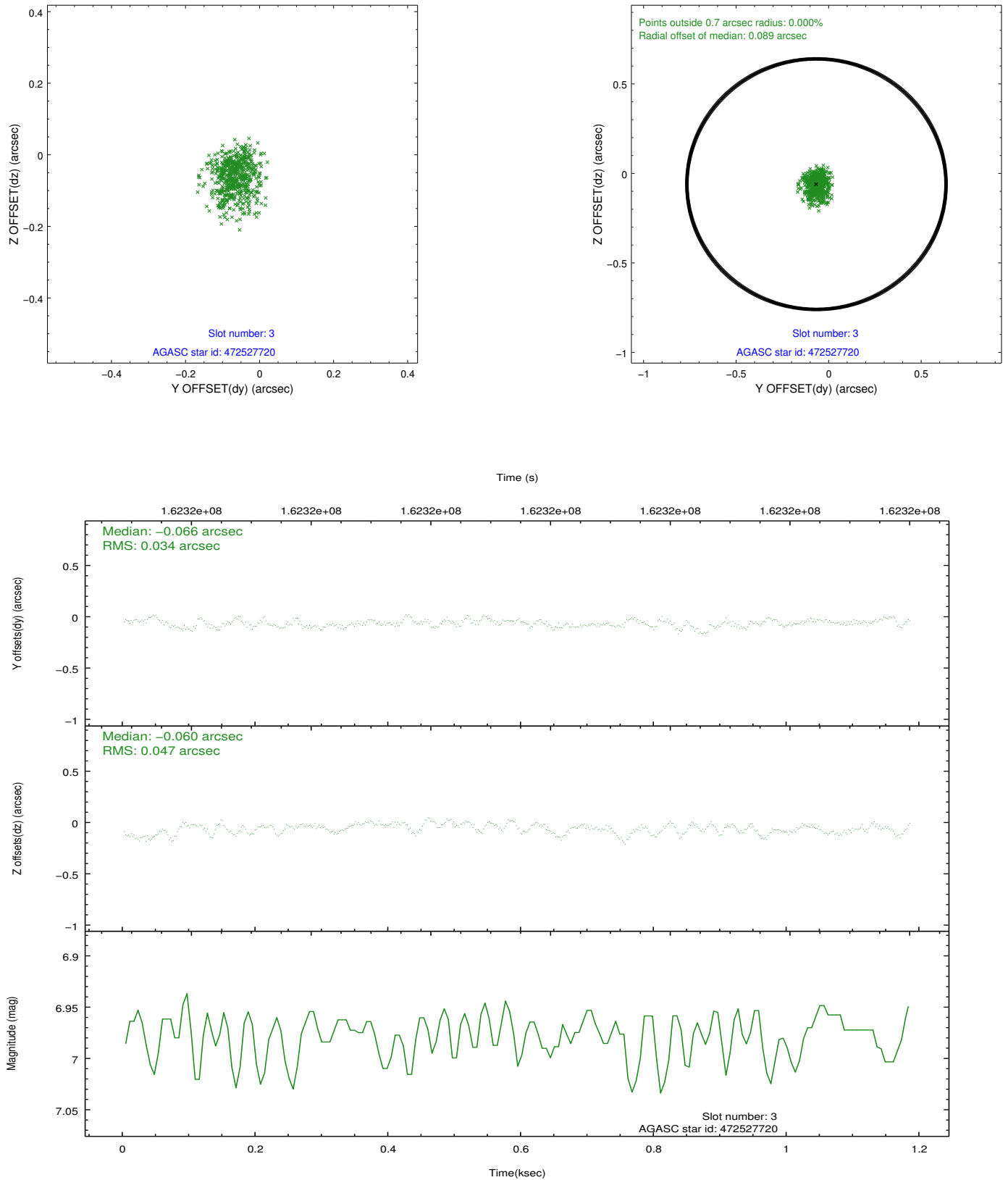


Slot Statistics

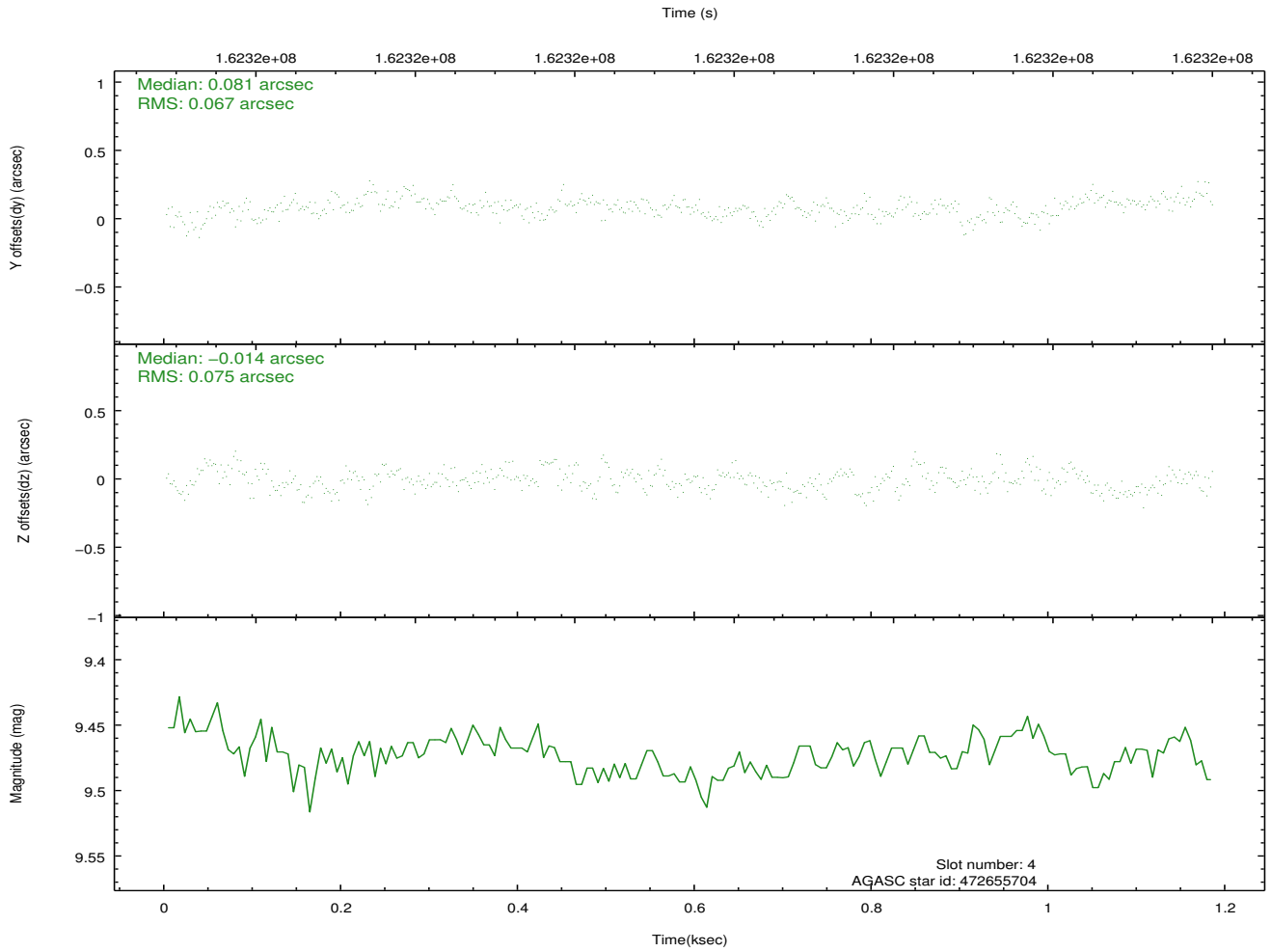
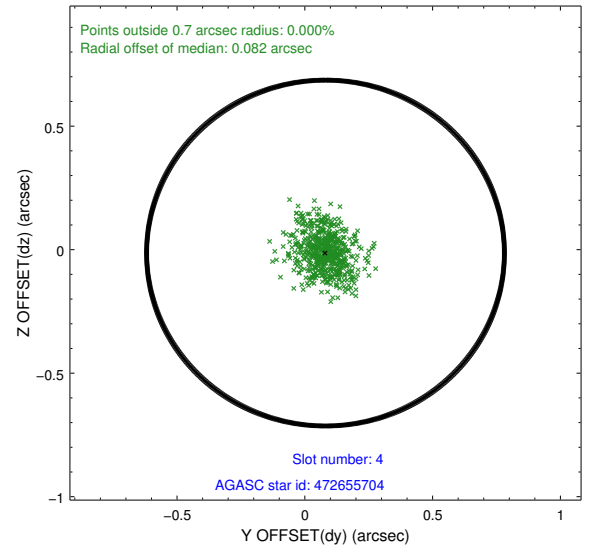
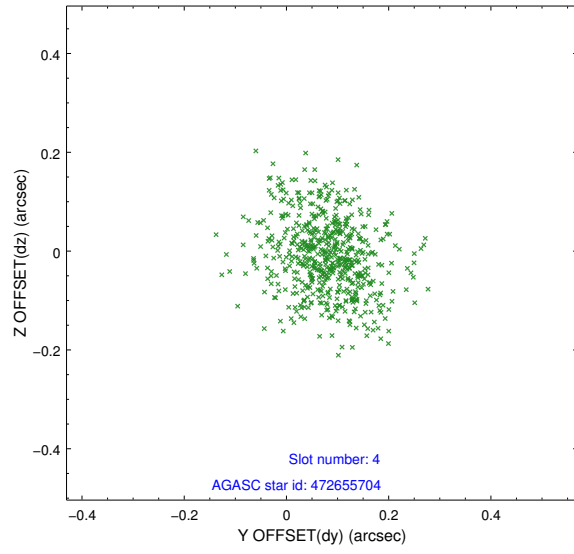
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.025	0.066	0.006	0.010	0.000000	0.000000	-758.52	-1296.47
1	FID	HRC-I-2	7.01	289	0.079	-0.080	0.005	0.009	0.000000	0.000000	851.54	-1302.67
2	FID	HRC-I-3	7.06	289	0.014	-0.076	0.004	0.008	0.000000	0.000000	-1184.07	1003.44
3	GUIDE	472527720	6.98	578	-0.066	-0.060	0.062	0.101	331.460205	45.112509	-1649.74	-2072.72
4	GUIDE	472655704	9.47	578	0.081	-0.014	0.111	0.179	332.167195	45.285228	182.61	-1590.53
5	GUIDE	472659832	9.47	578	0.036	0.076	0.105	0.167	332.780399	46.098139	1919.50	1227.53
6	GUIDE	472533912	9.17	578	0.017	-0.052	0.111	0.180	331.791136	46.368695	-467.92	2373.98
7	GUIDE	472654568	9.43	576	-0.068	0.037	0.130	0.204	332.194449	45.063576	197.37	-2383.63

2.4 Star Slots

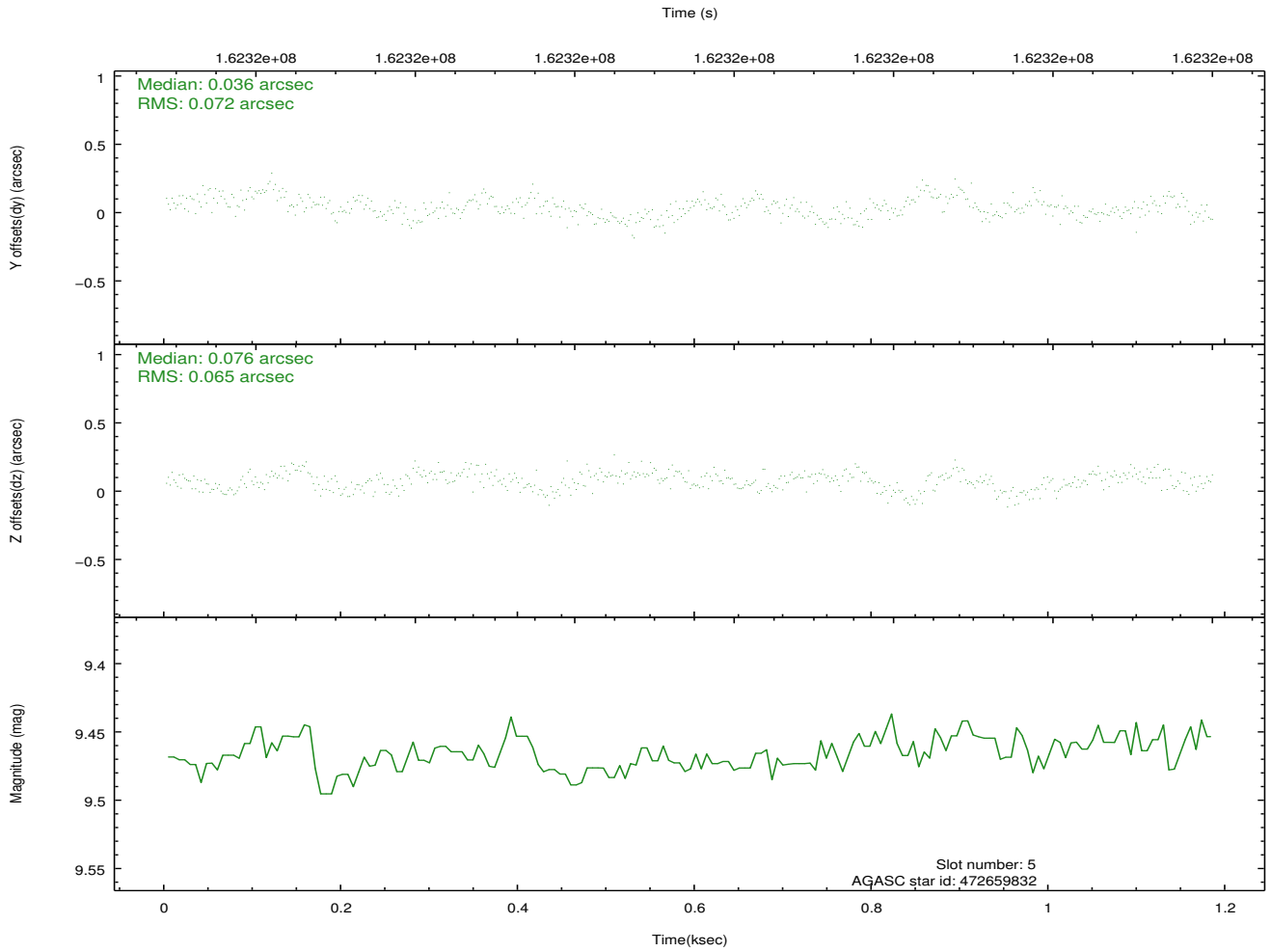
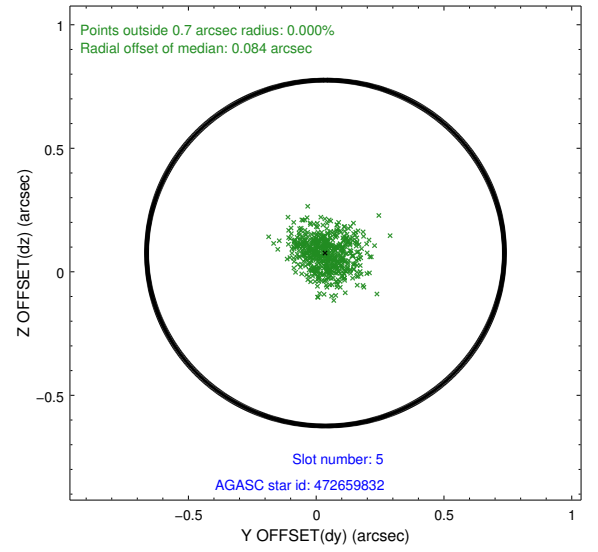
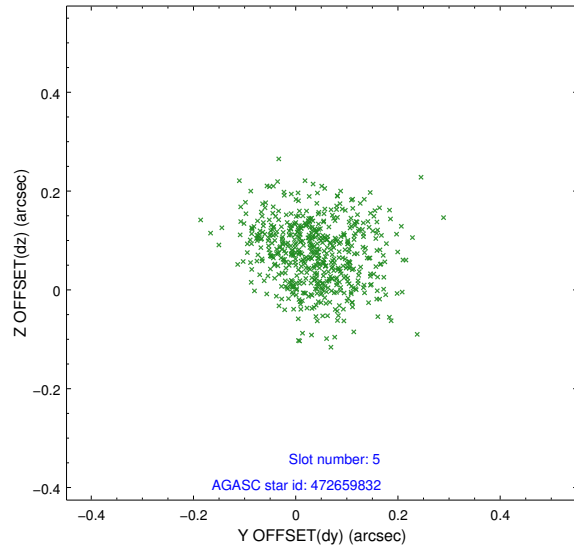
2.4.1 Slot 3



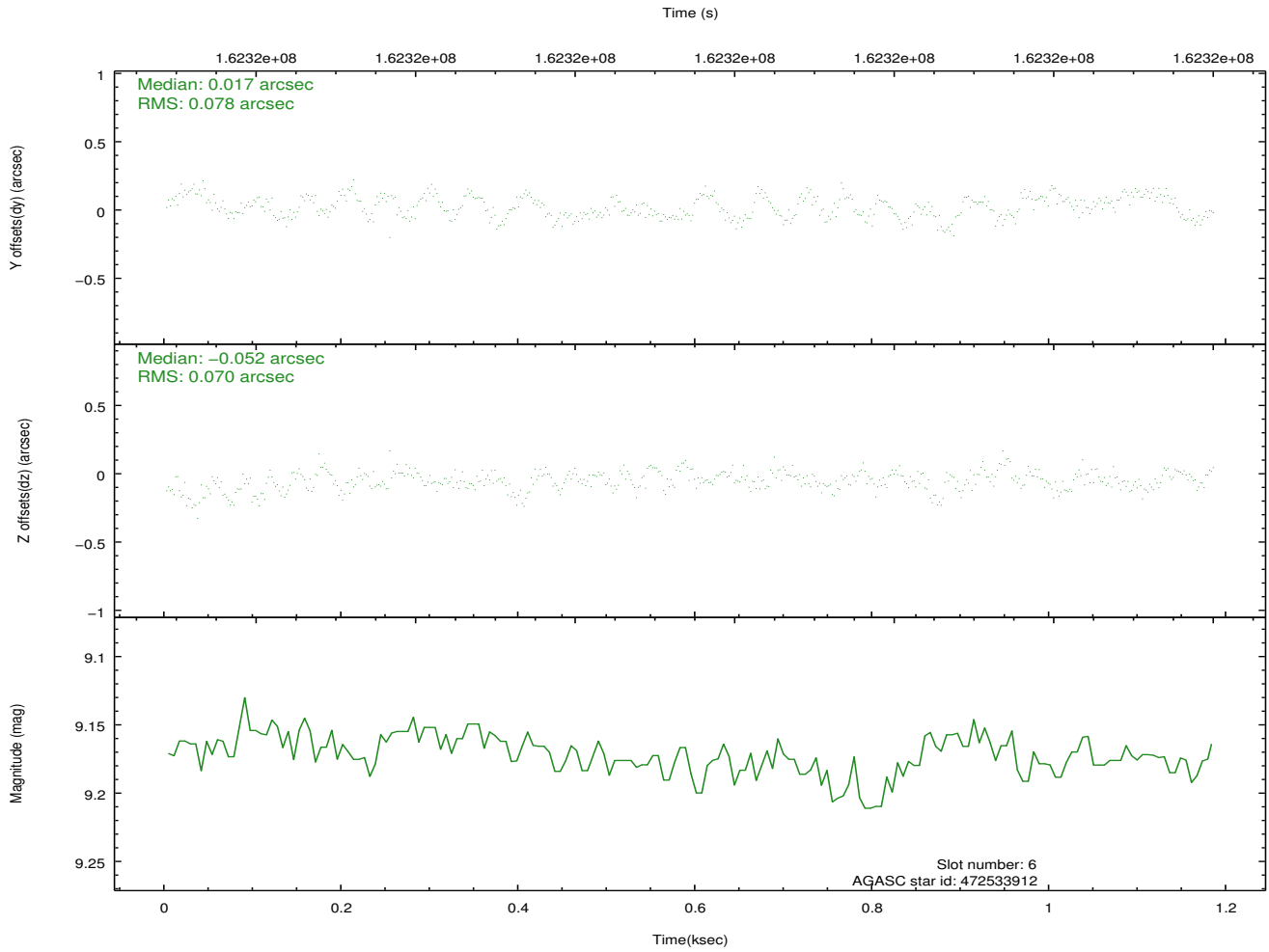
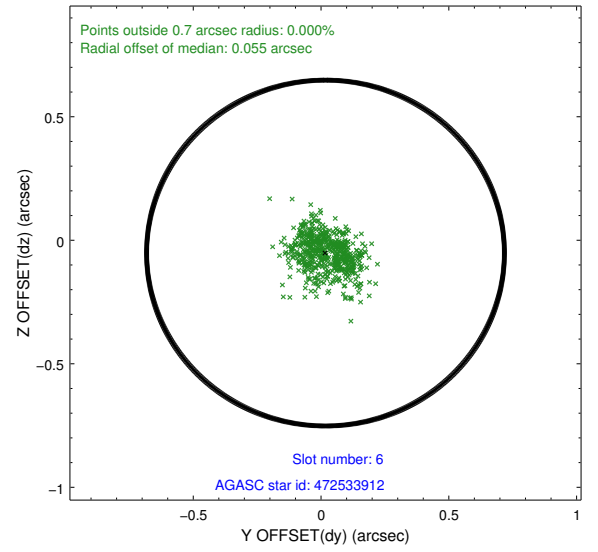
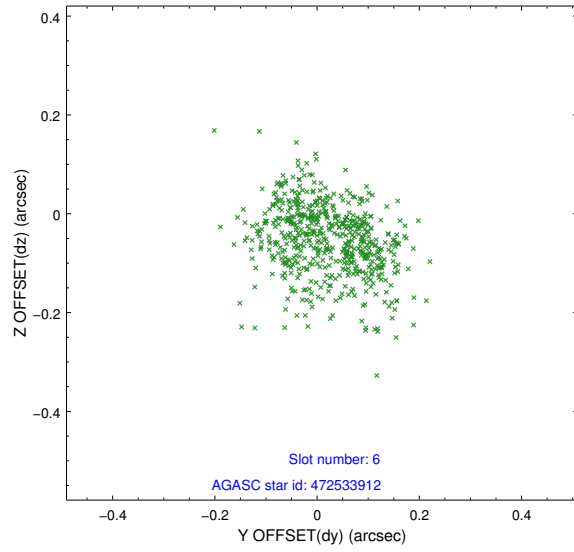
2.4.2 Slot 4



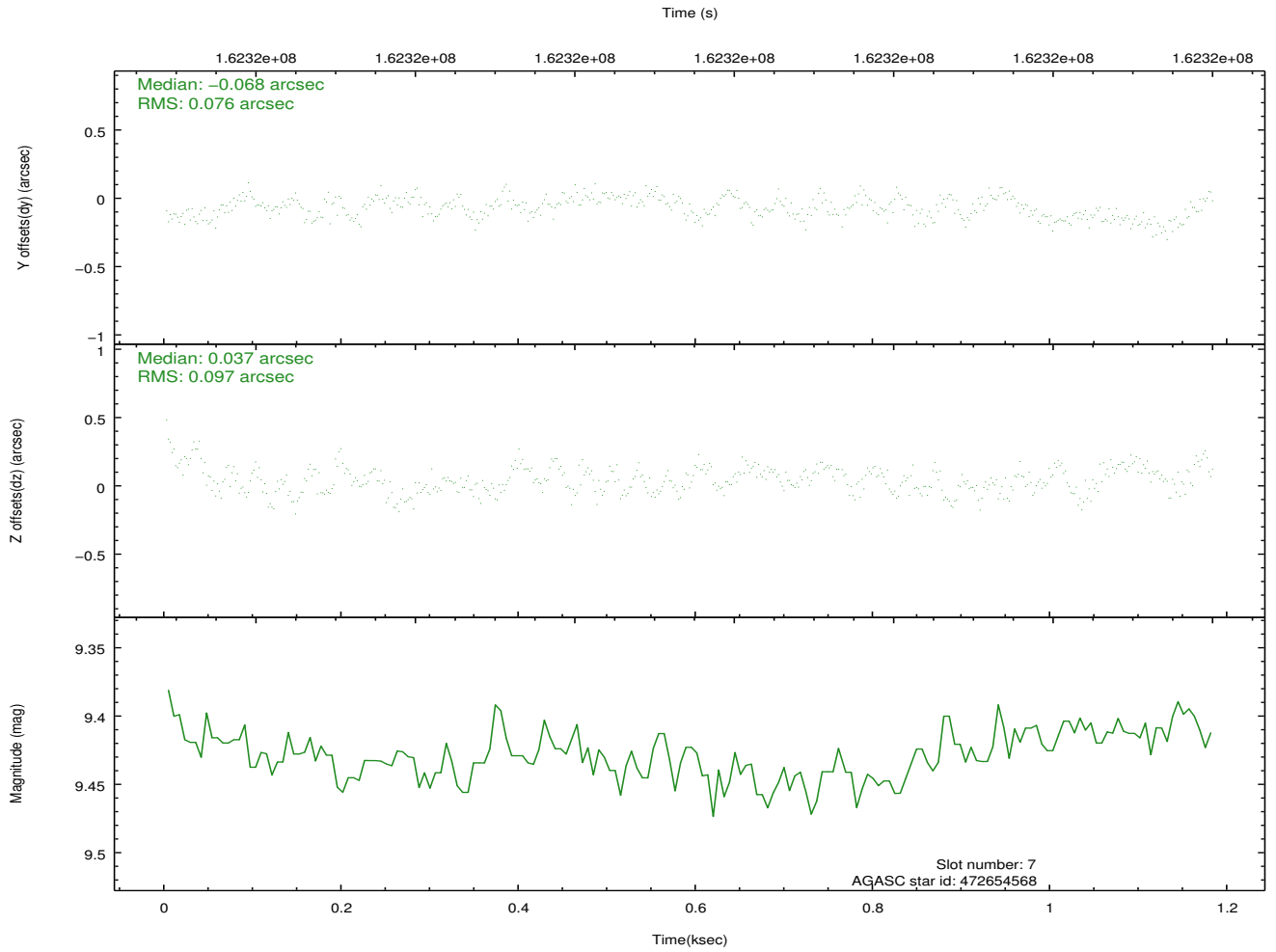
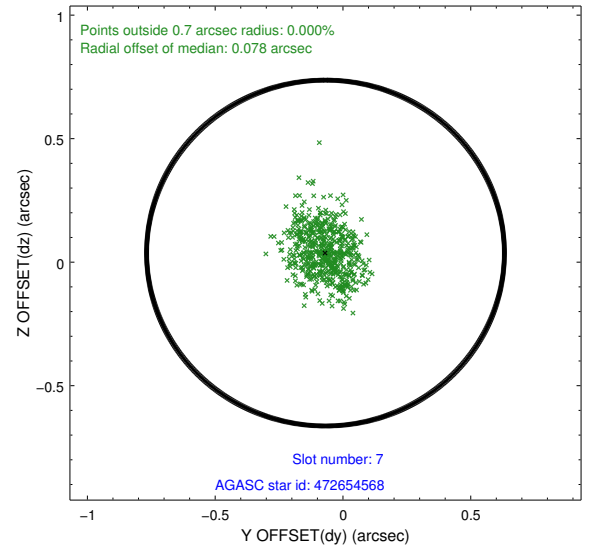
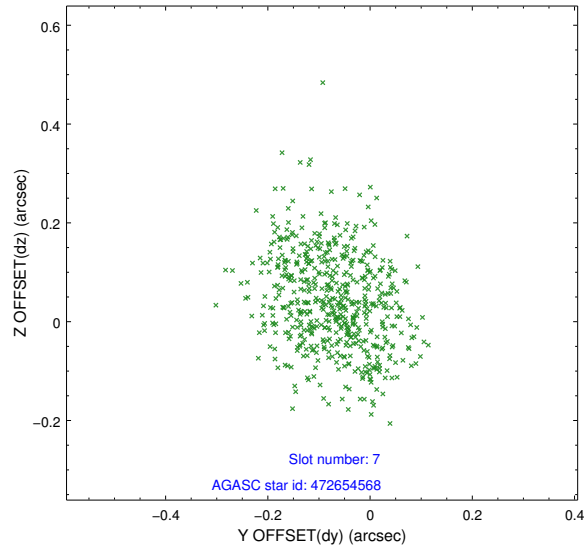
2.4.3 Slot 5



2.4.4 Slot 6

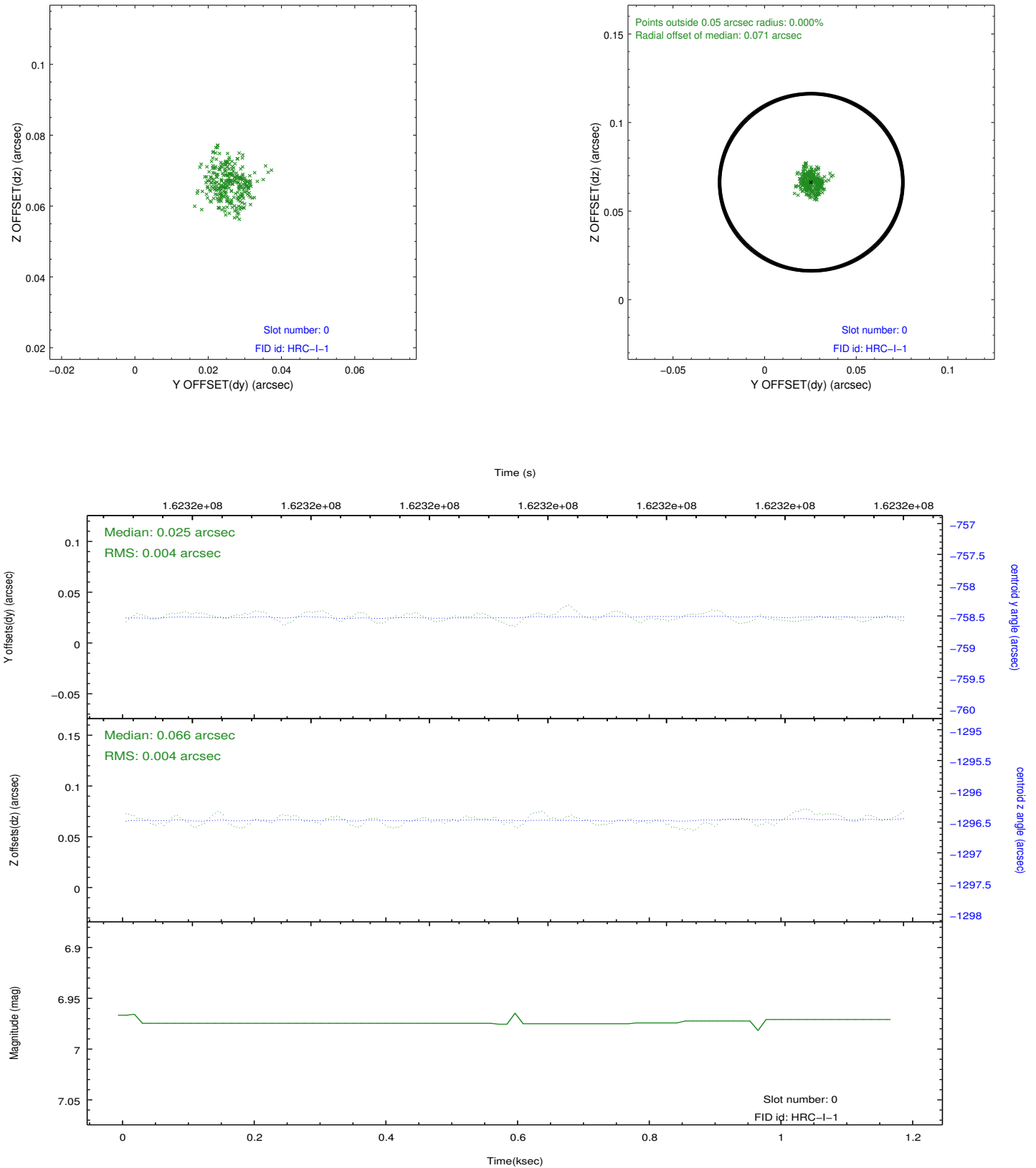


2.4.5 Slot 7

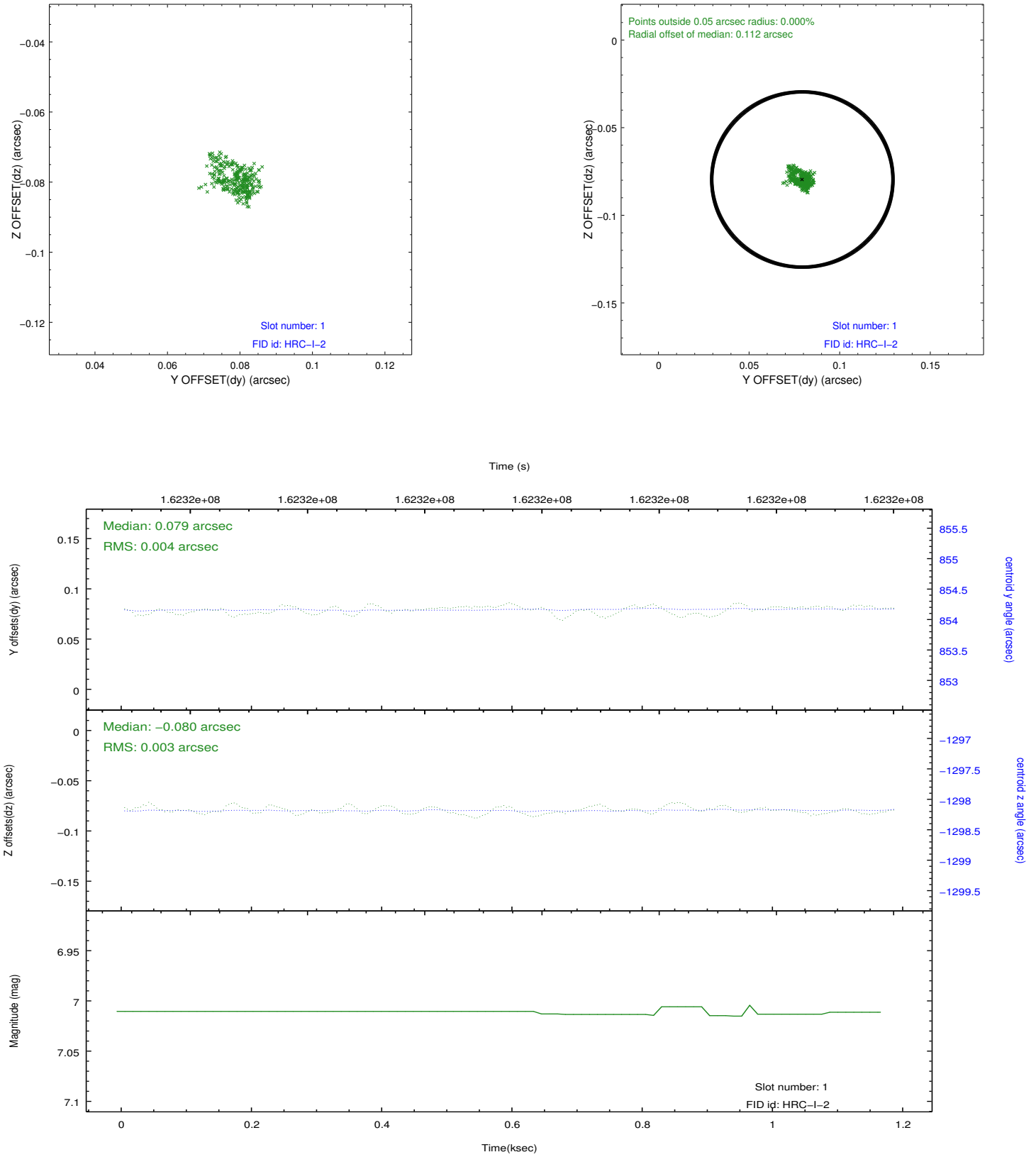


2.5 FID Slots

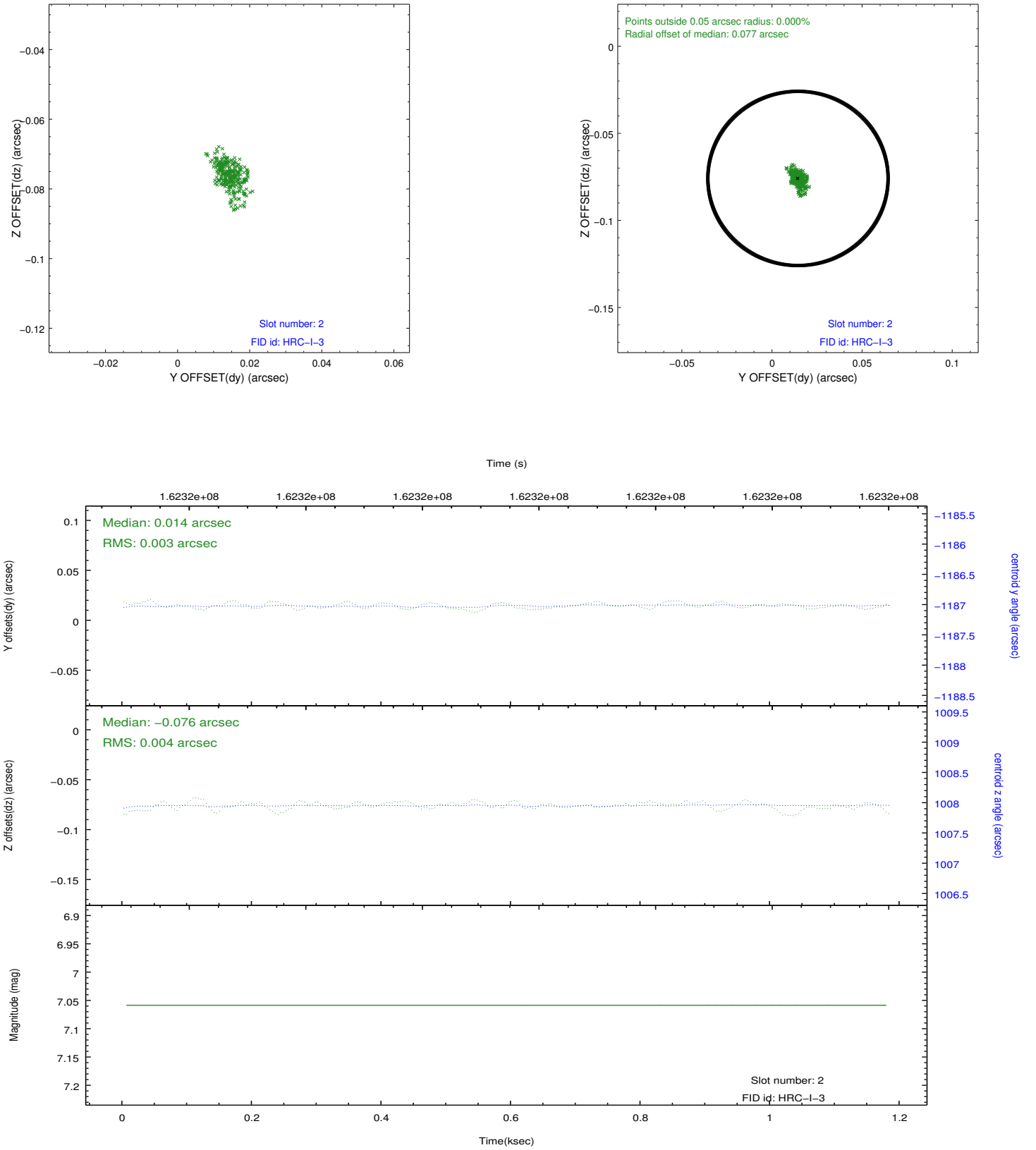
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

A.2 Comments

Window constraint met.