

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4299 - L2 Version 4
Chandra X-Ray Center

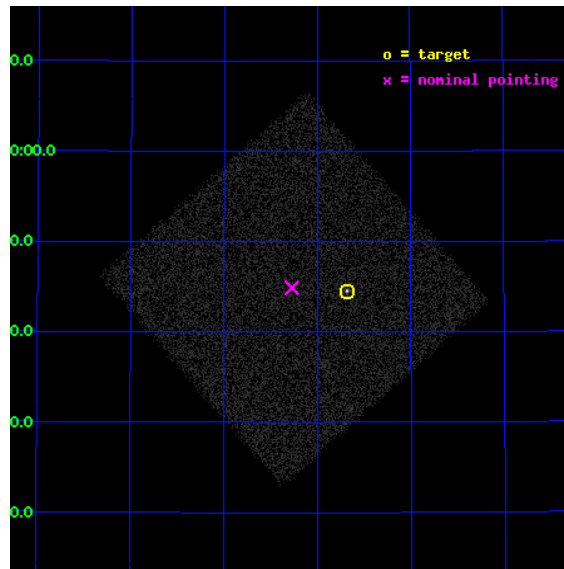
L2 Processing Date : Oct 23 2012

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1 Front

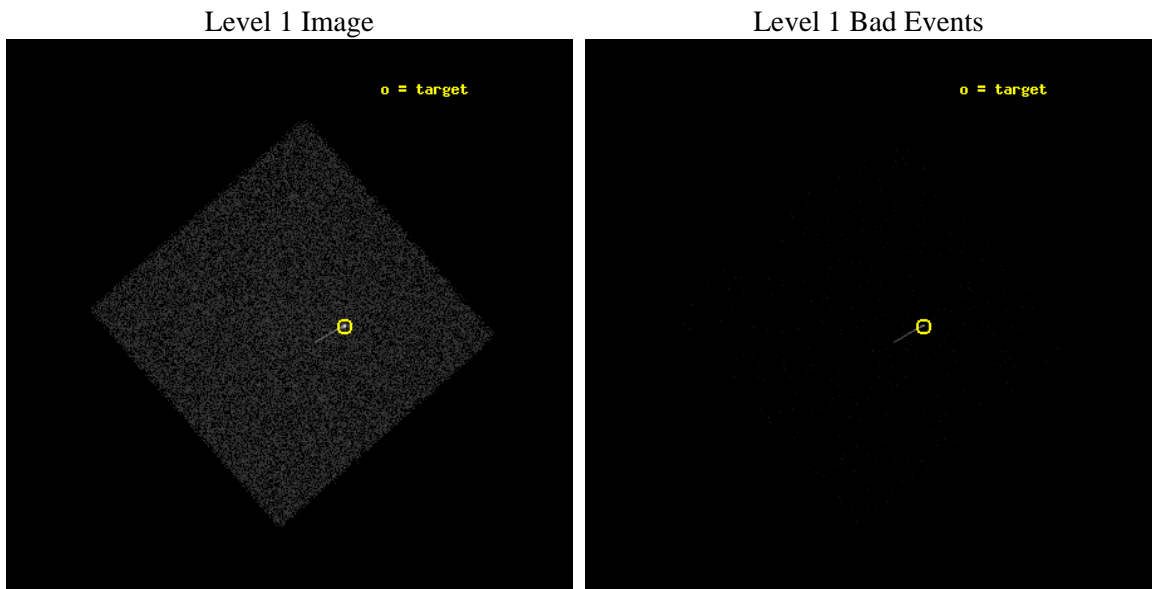
seq_num	290259	Sequence number
obs_id	4299	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.31811091646	Nominal RA [deg]
dec_nom	45.748354656069	Nominal Dec [deg]
roll_nom	3.5892203059755	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1188.2312999666	[s]
livetime	1181.6671812859	Ontime multiplied by DTCOR
l2events	37583	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	1188.2312999666	[s]
caldbver	4.5.2	 	l1events	67962	Number of level 1 events
date	2012-10-23T09:27:30	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

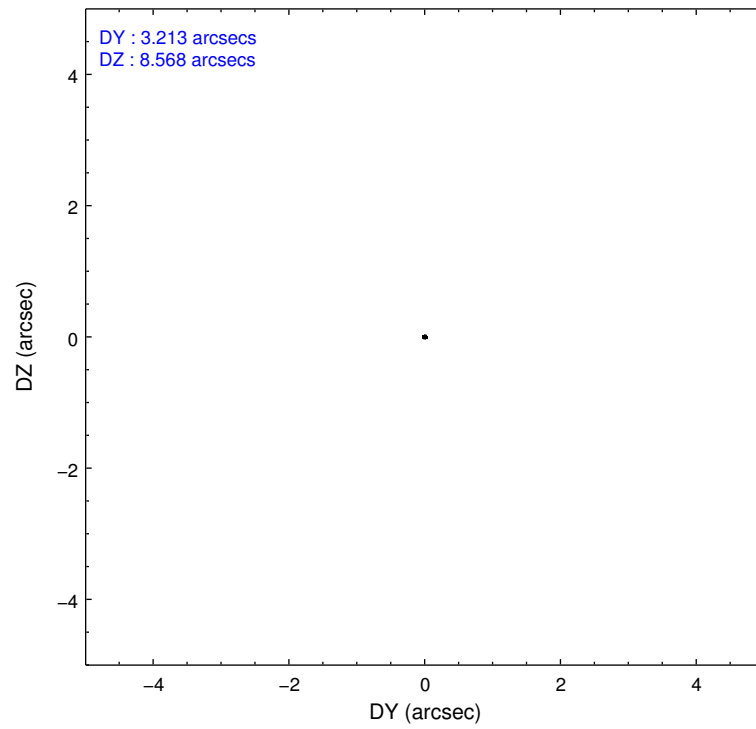
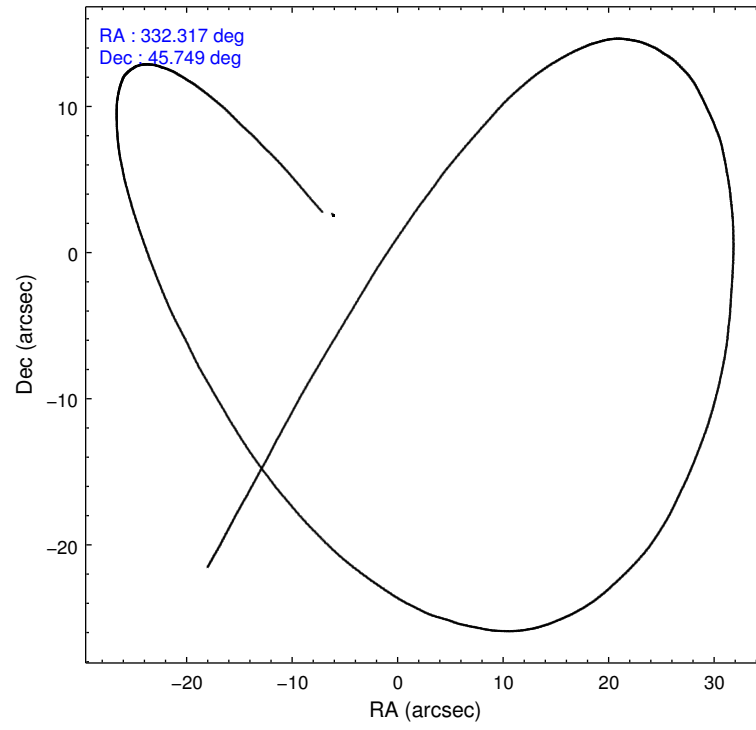
Level 1 Events

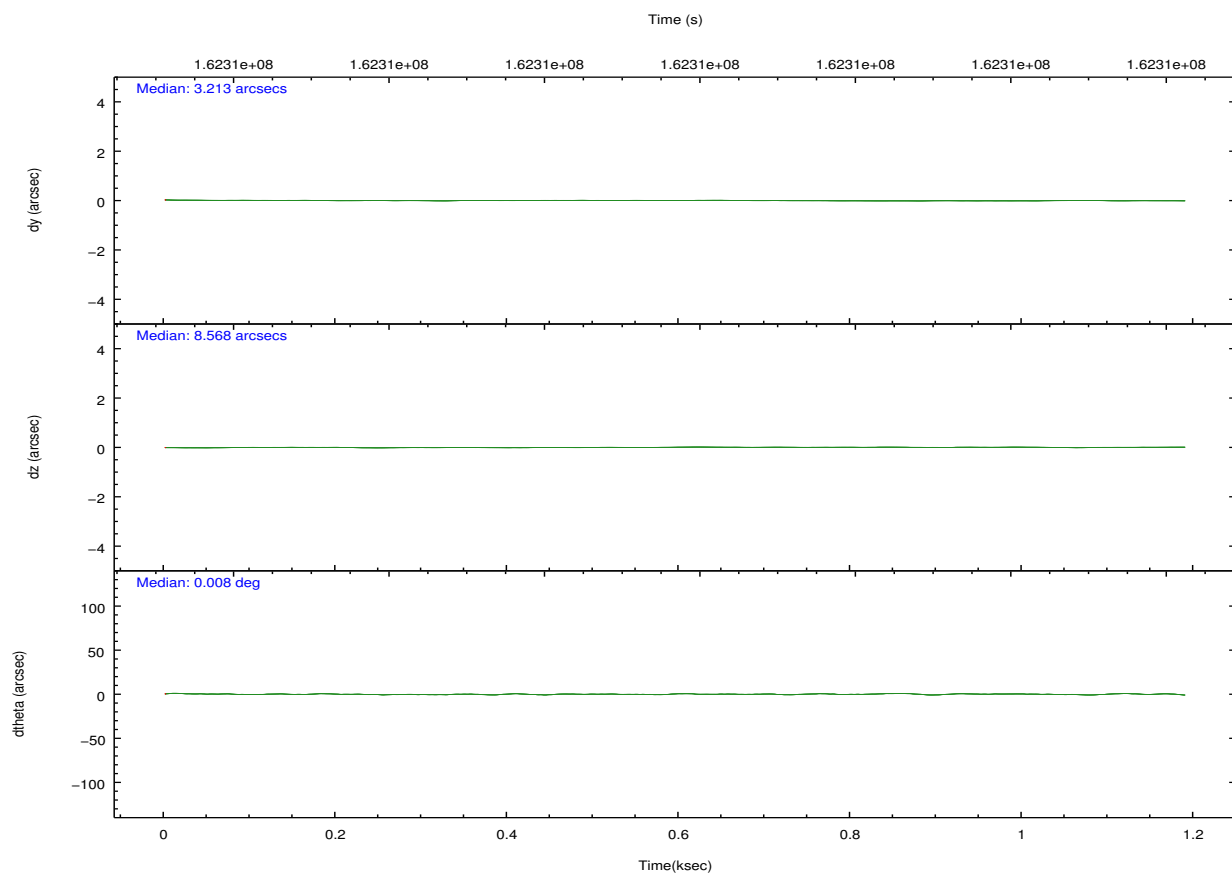
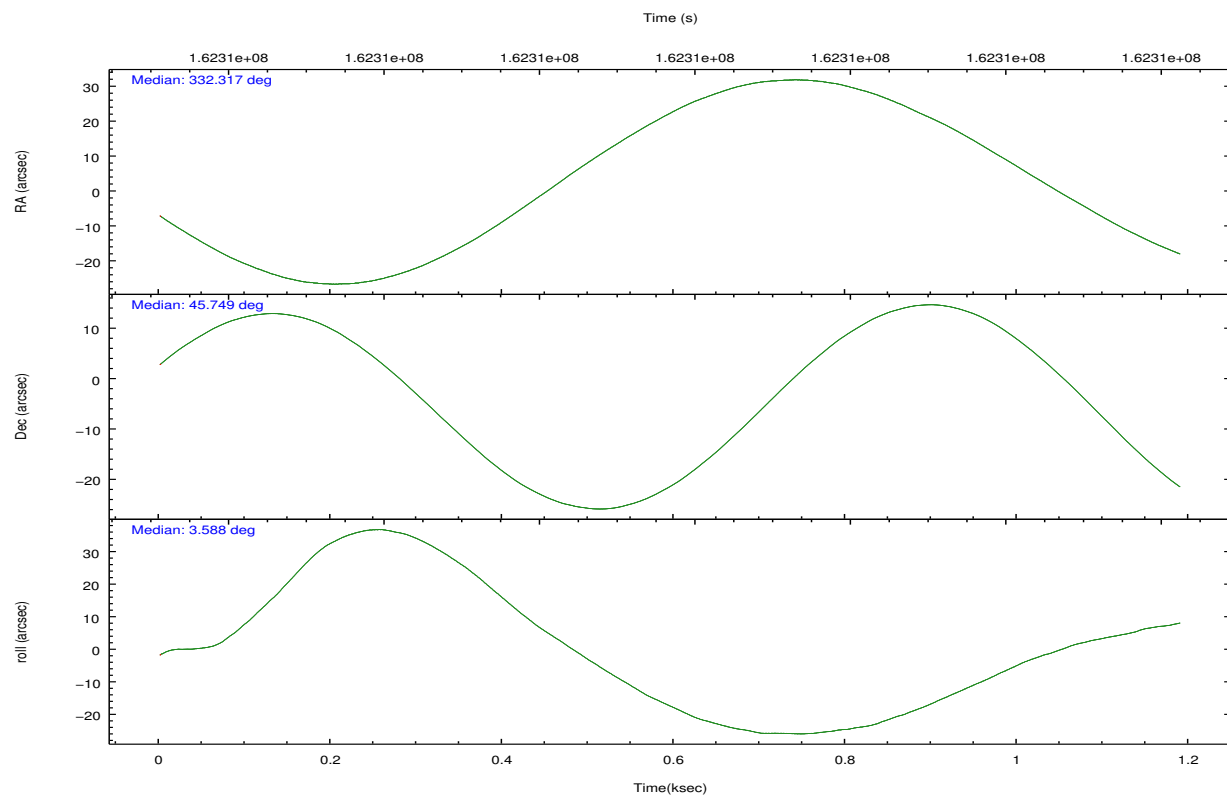
	segment 0
level 1 events	67962
rejected events	14574
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.286805	332.318110916456			
[deg] Pointing Dec	45.731943	45.74835465606928			
[deg] Pointing Roll	3.707086	3.589220305975504			
[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)	162307168.184000	162306792.09511			
Observation start date	2003-02-22T13:18:24	2003-02-22T13:13:12			
[s] Observation end time (MET)	162308168.184000	162308301.92018			
Observation end date	2003-02-22T13:35:04	2003-02-22T13:38:21			

2.3 Aspect



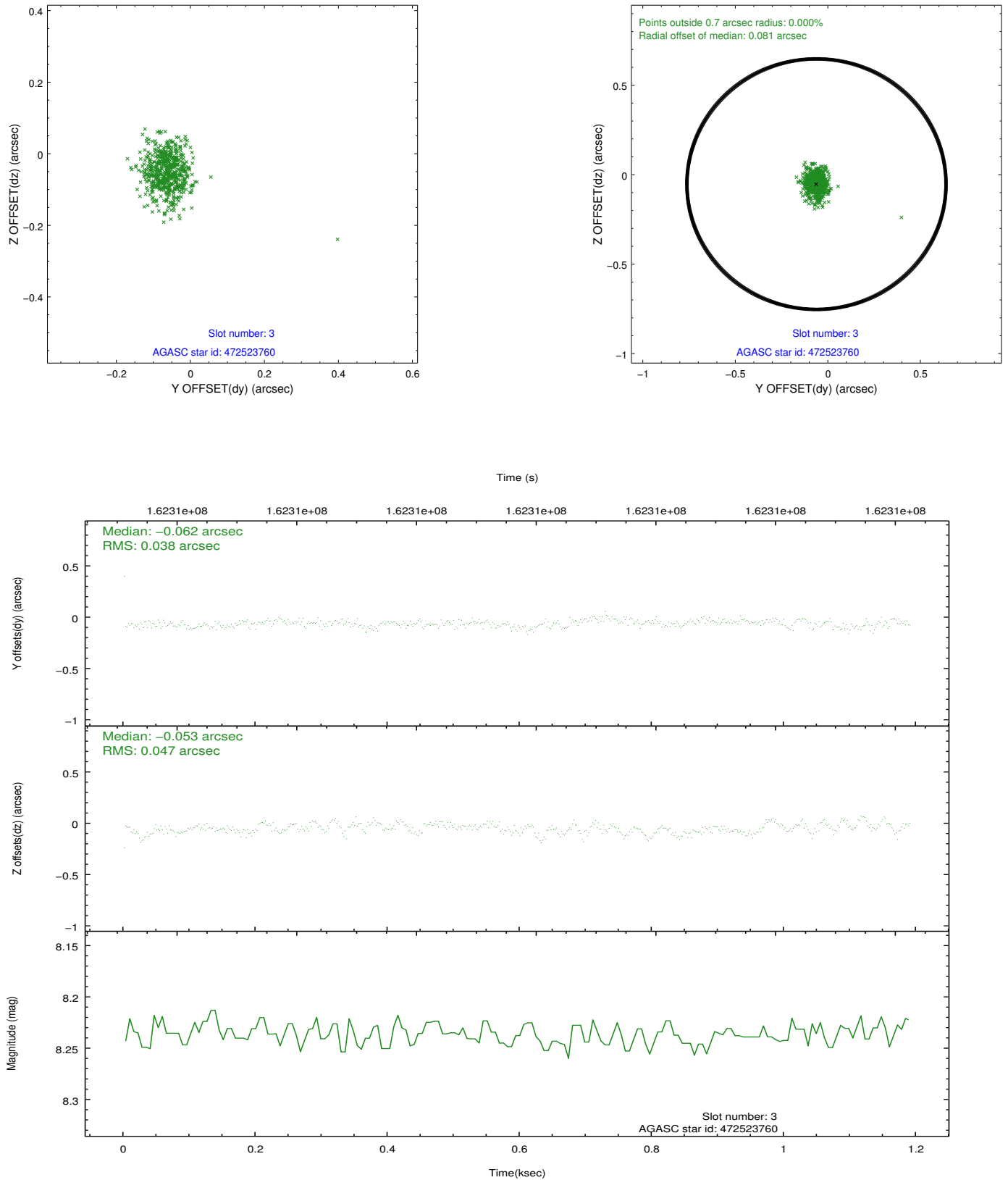


Slot Statistics

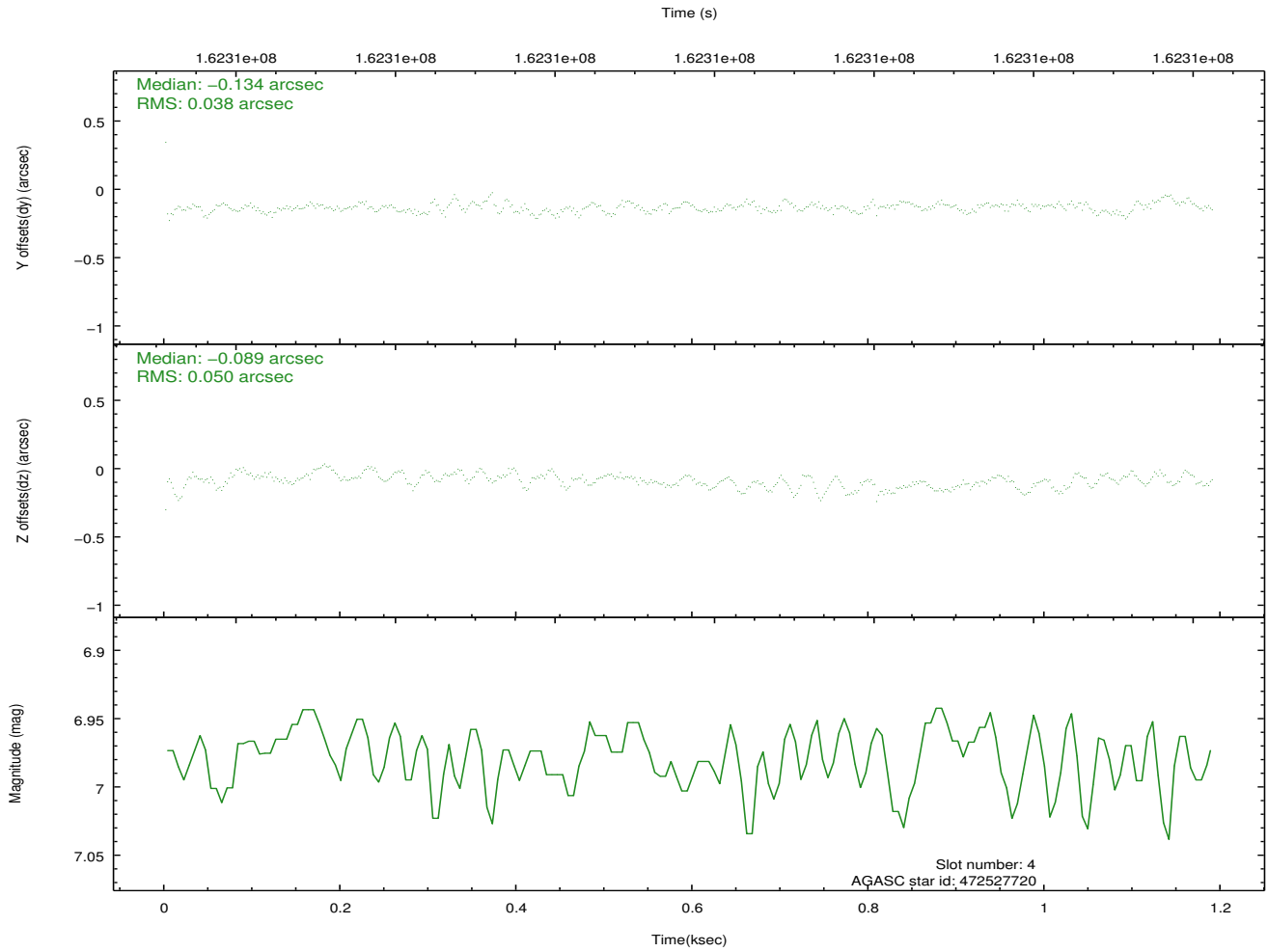
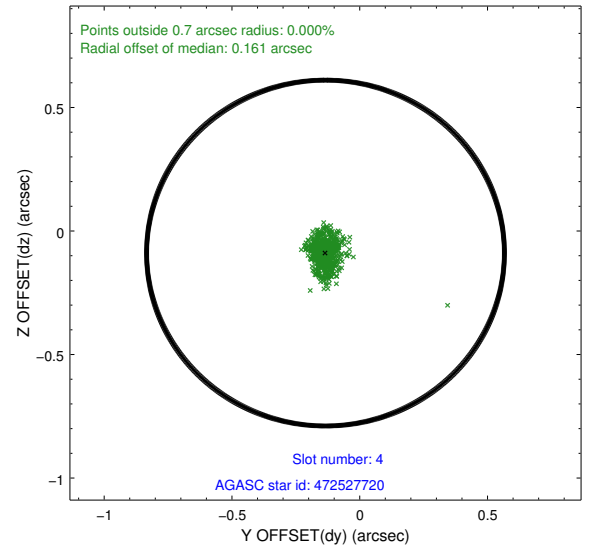
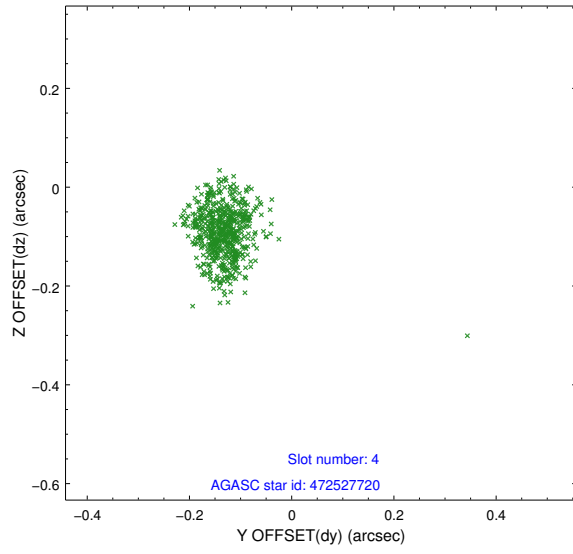
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	0.021	0.061	0.006	0.010	0.000000	0.000000	-758.66	-1296.45
1	FID	HRC-I-2	7.01	291	0.086	-0.081	0.005	0.010	0.000000	0.000000	851.42	-1302.61
2	FID	HRC-I-3	7.06	291	0.012	-0.069	0.005	0.010	0.000000	0.000000	-1184.24	1003.51
3	GUIDE	472523760	8.24	581	-0.062	-0.053	0.059	0.105	331.645363	45.403260	-1692.71	-1072.79
4	GUIDE	472527720	6.98	581	-0.134	-0.089	0.063	0.101	331.460205	45.112509	-2240.84	-2083.98
5	GUIDE	472655152	9.43	580	0.141	0.042	0.107	0.175	332.504239	45.862991	572.20	429.55
6	GUIDE	472659832	9.46	581	0.039	0.075	0.097	0.154	332.780399	46.098139	1317.45	1237.38
7	GUIDE	472654568	9.43	580	0.021	0.035	0.131	0.220	332.194449	45.063576	-386.23	-2386.81

2.4 Star Slots

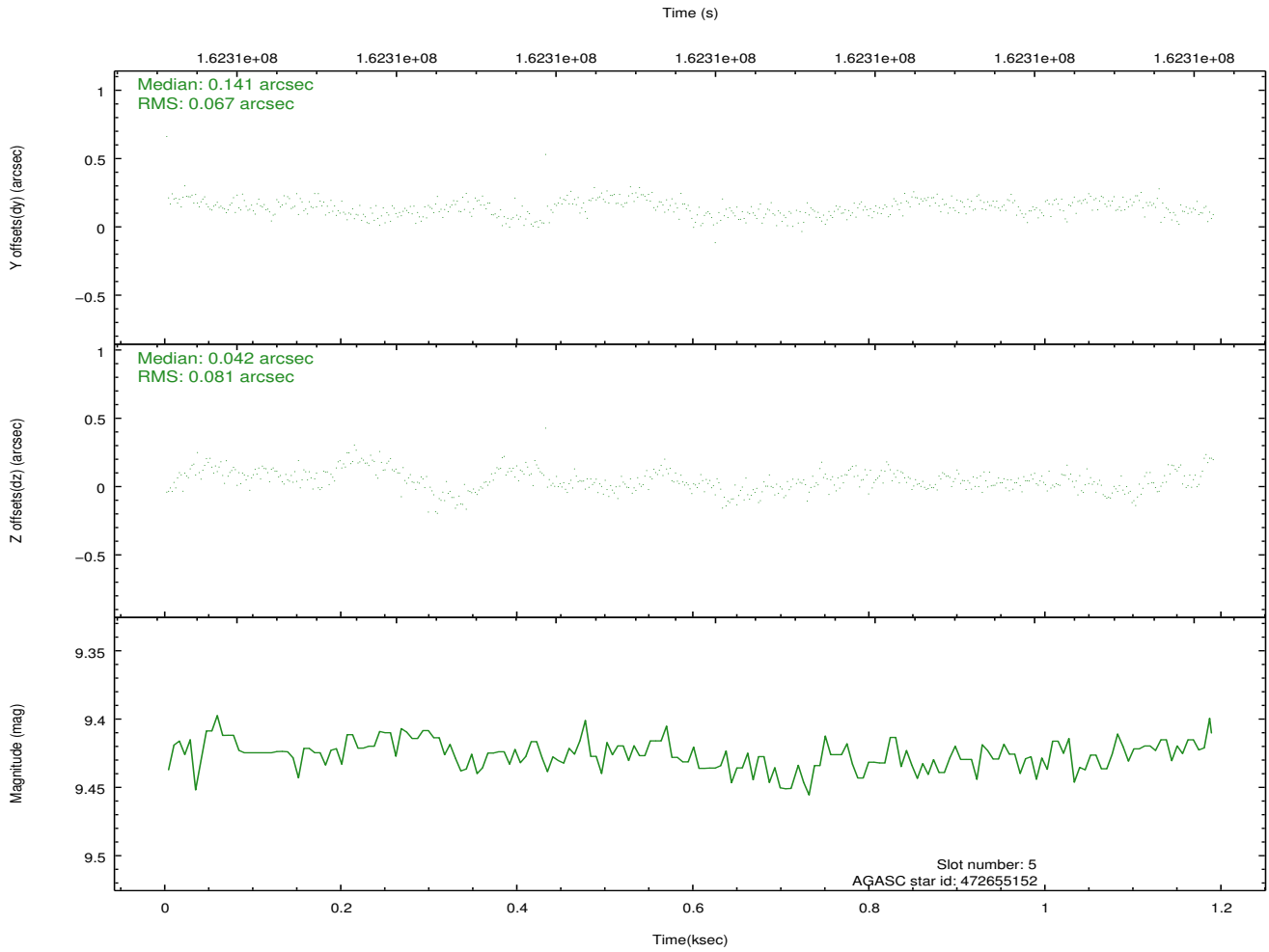
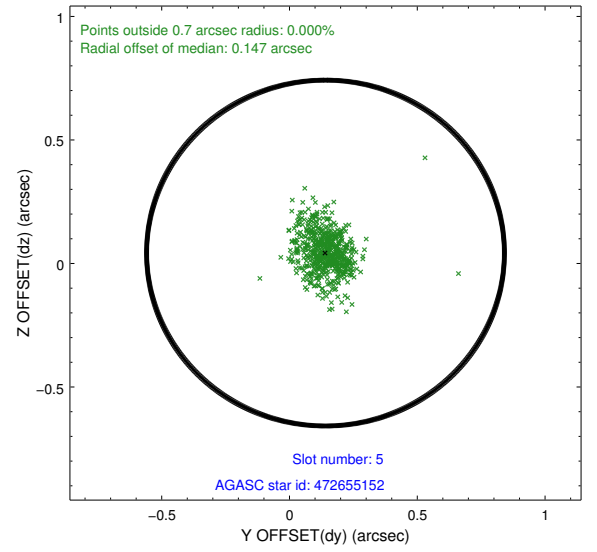
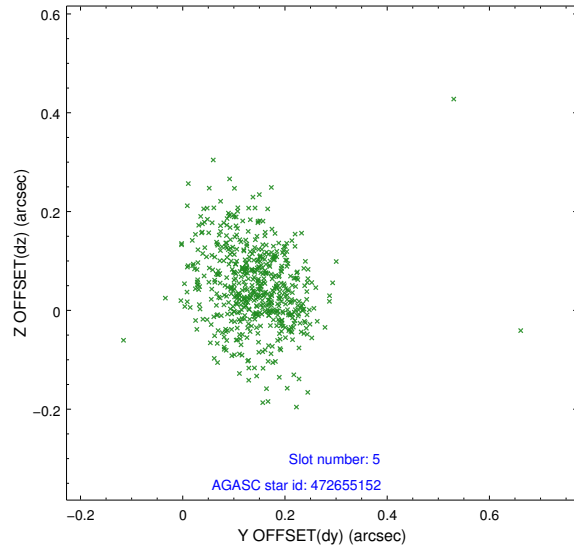
2.4.1 Slot 3



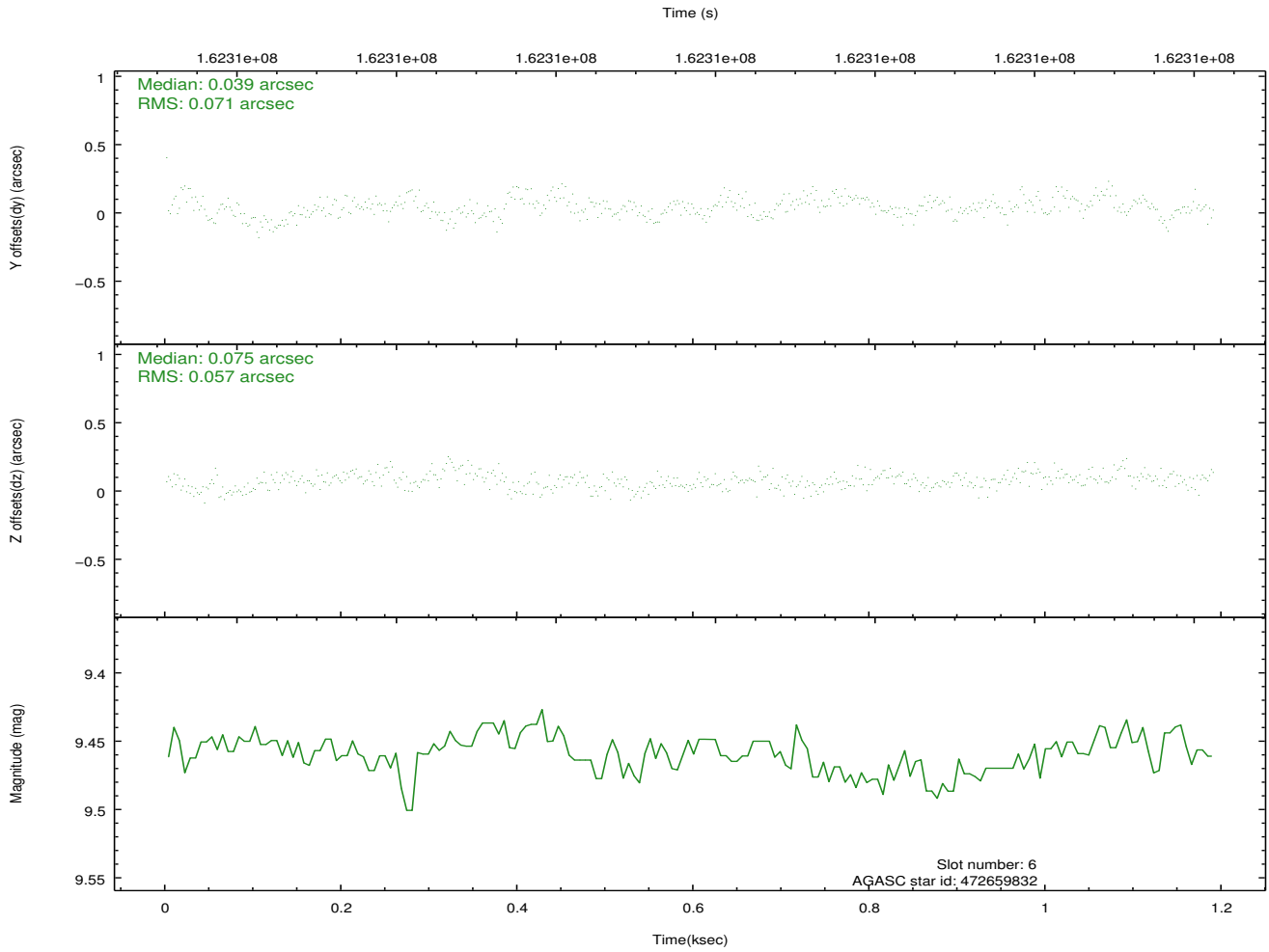
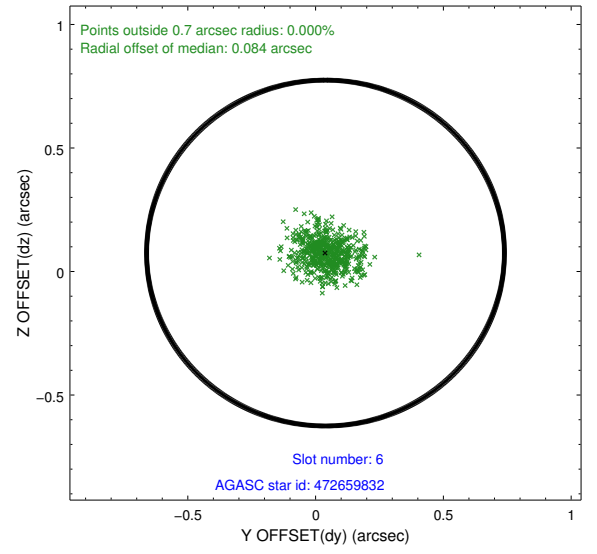
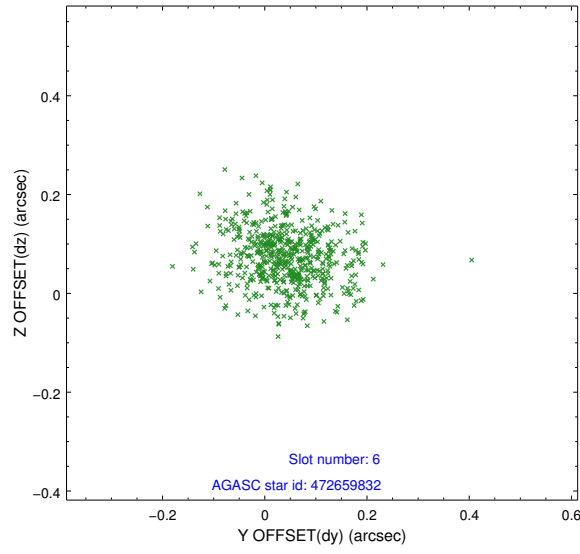
2.4.2 Slot 4



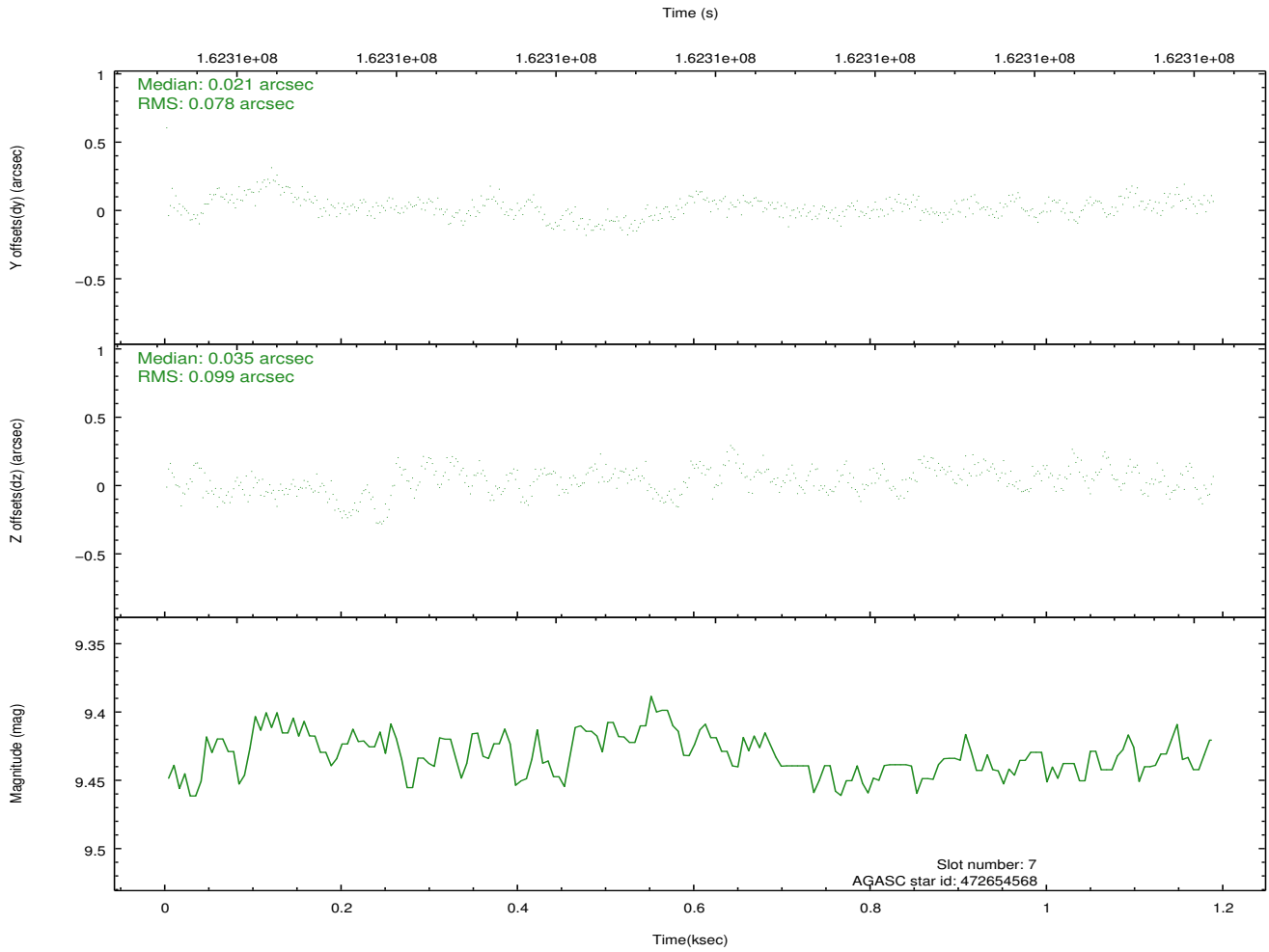
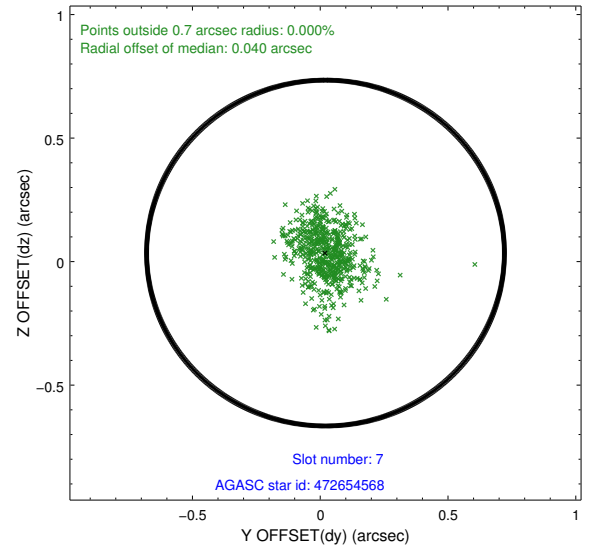
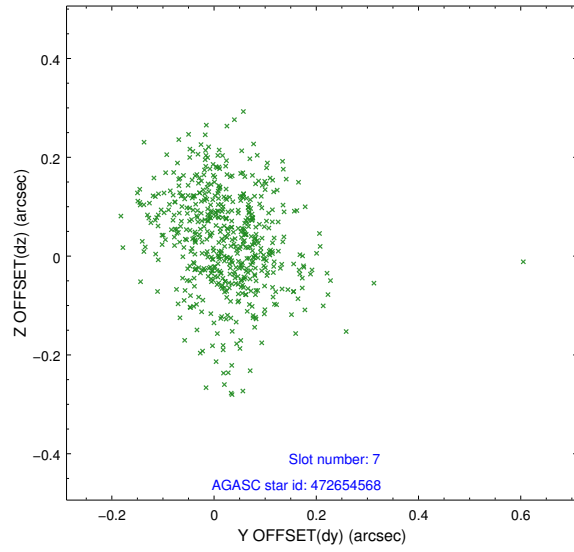
2.4.3 Slot 5



2.4.4 Slot 6

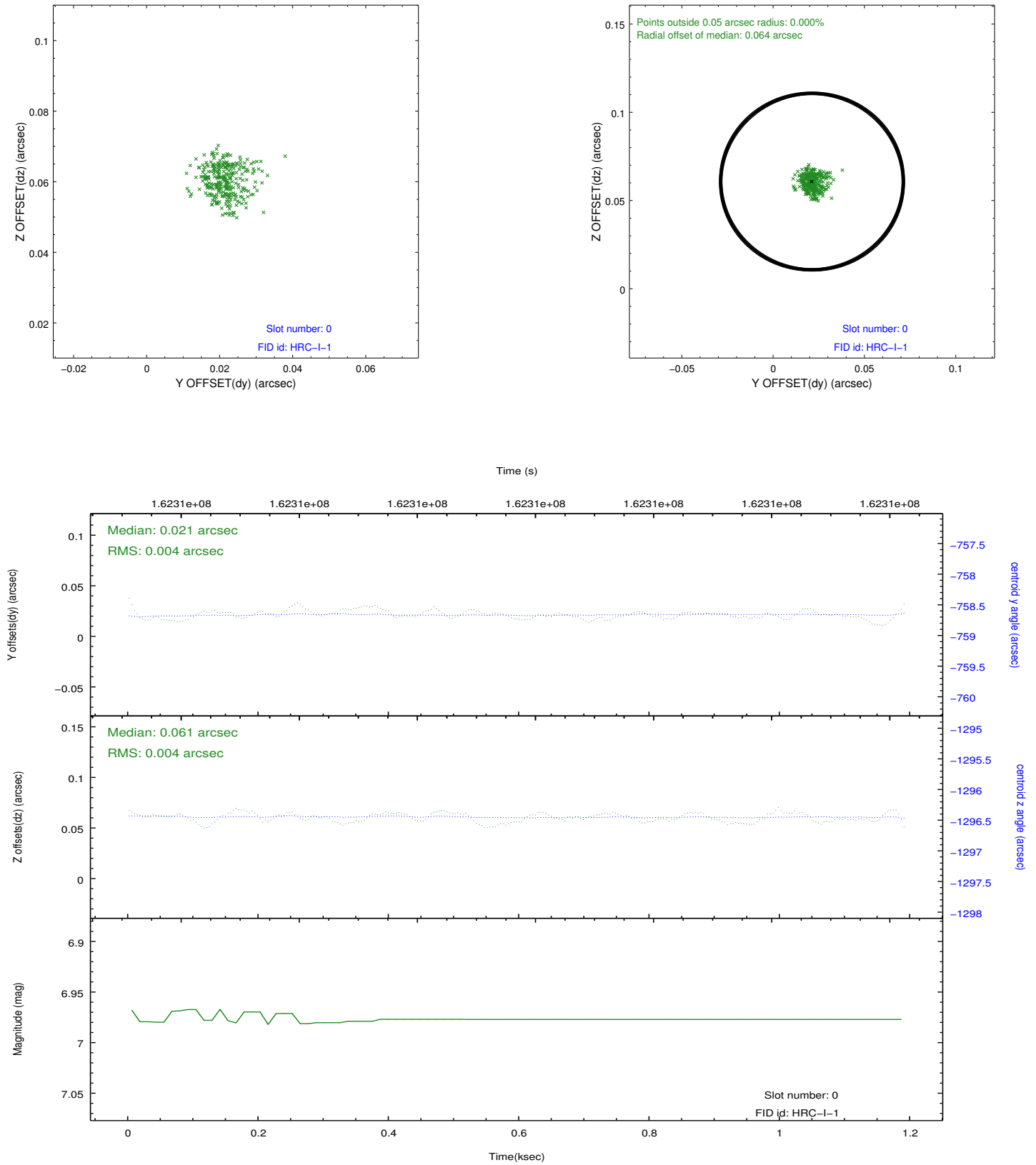


2.4.5 Slot 7

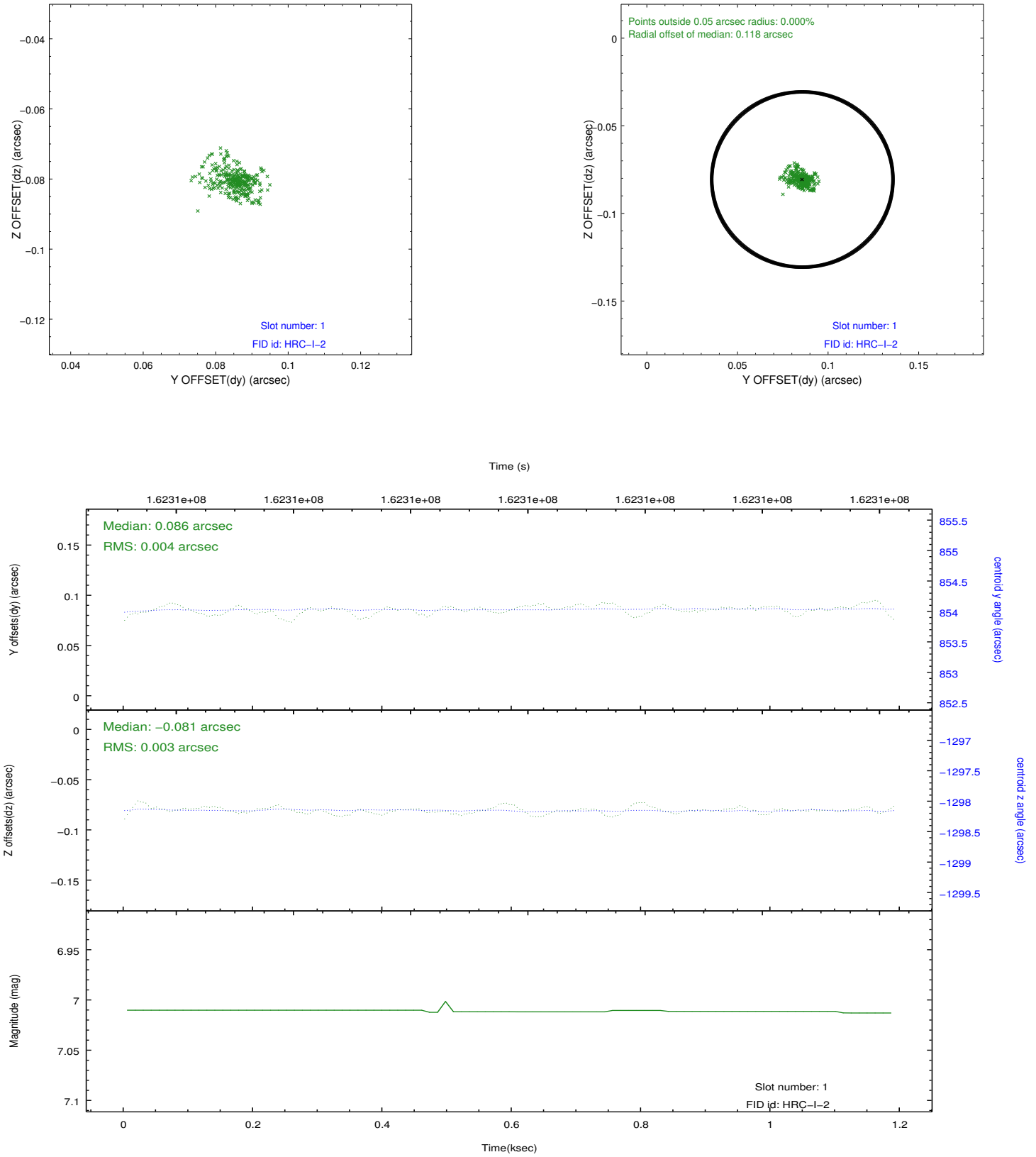


2.5 FID Slots

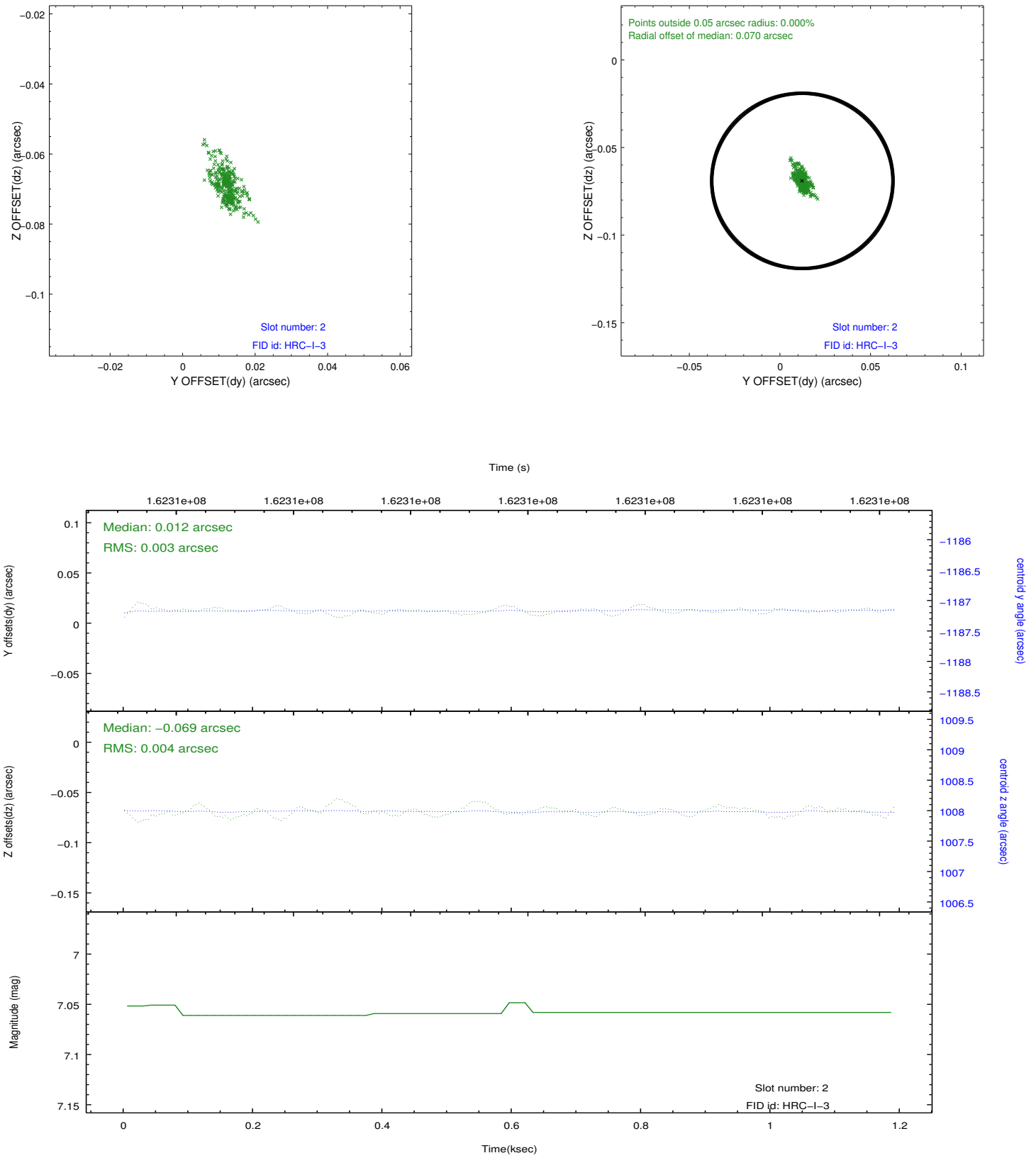
2.5.1 Slot 0



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	1.188

A.2 Comments

Window constraint met.