

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4309 - L2 Version 4
Chandra X-Ray Center

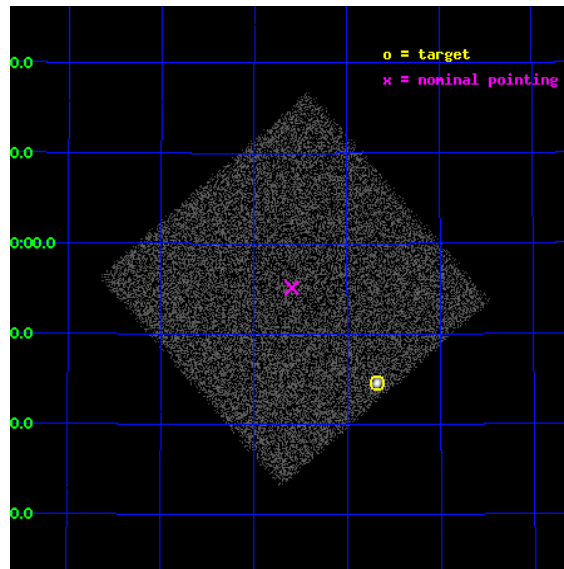
L2 Processing Date : Oct 23 2012

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1 Front

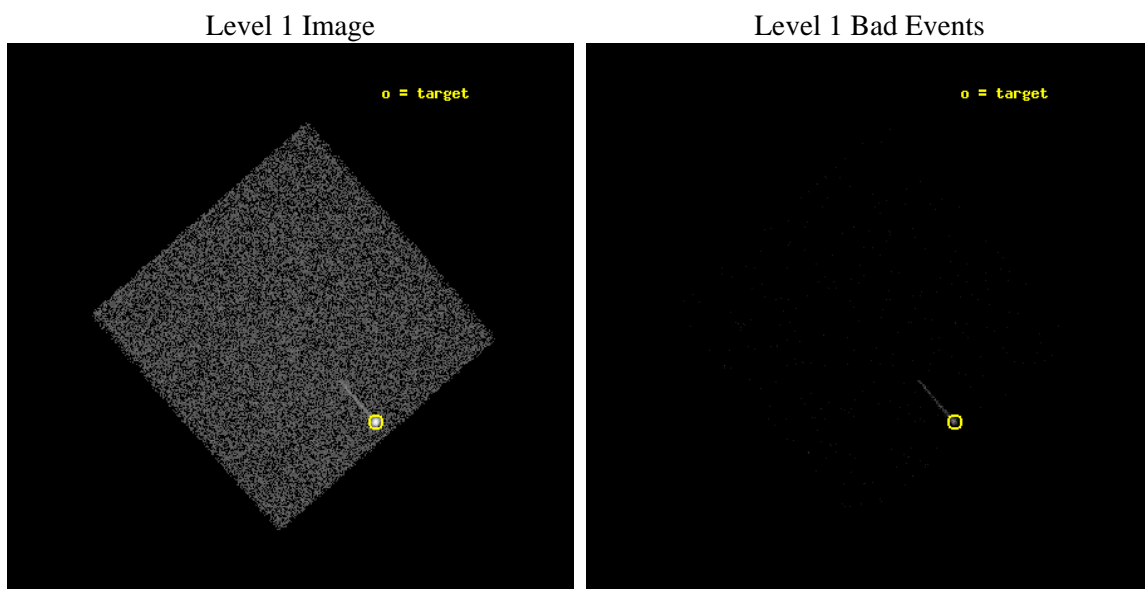
seq_num	290269	Sequence number
obs_id	4309	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.39819938671	Nominal RA [deg]
dec_nom	45.918445901387	Nominal Dec [deg]
roll_nom	3.6924352583635	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1188.2312999964	[s]
livetime	1181.7041802931	Ontime multiplied by DTCOR
l2events	36635	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	1188.2312999964	[s]
caldbver	4.5.2	 	l1events	67475	Number of level 1 events
date	2012-10-23T09:30:33	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

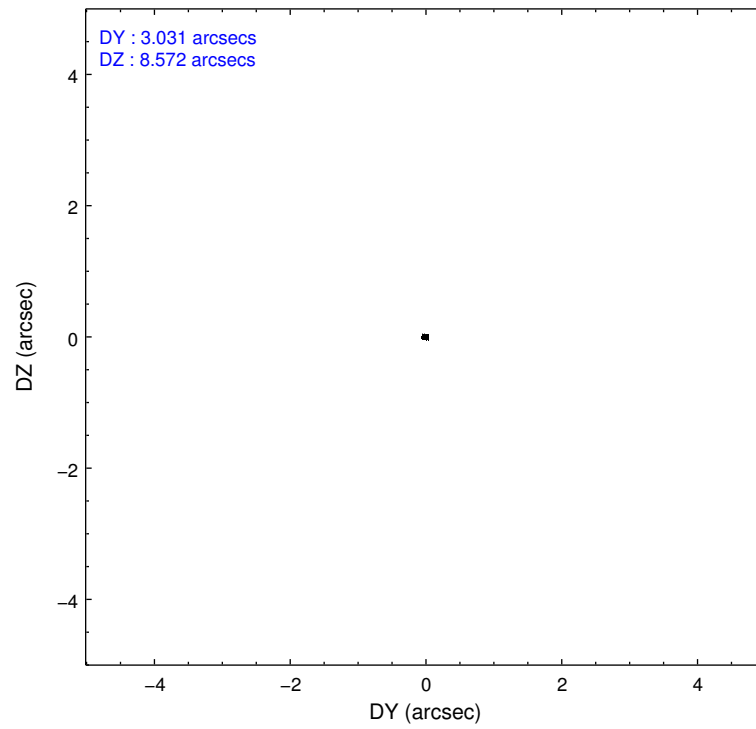
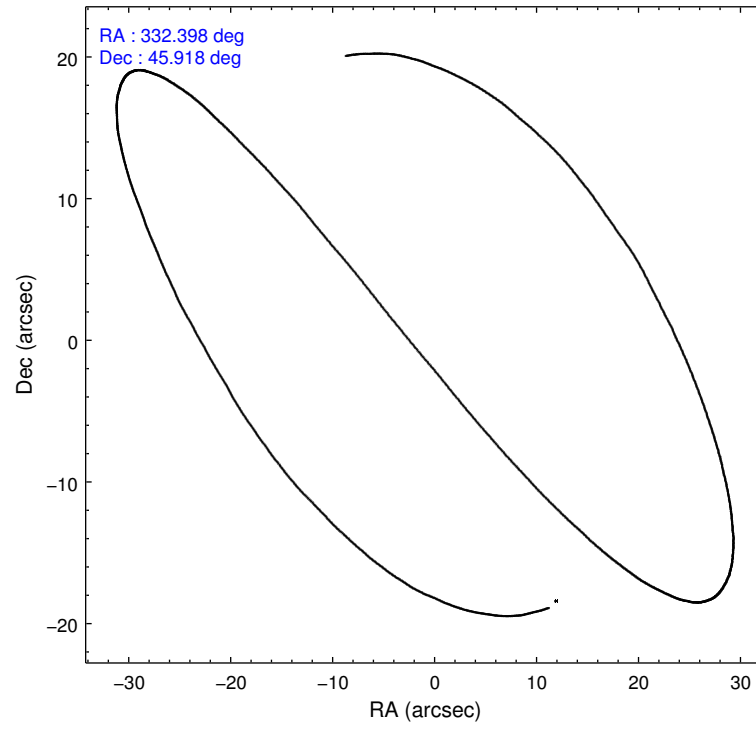
Level 1 Events

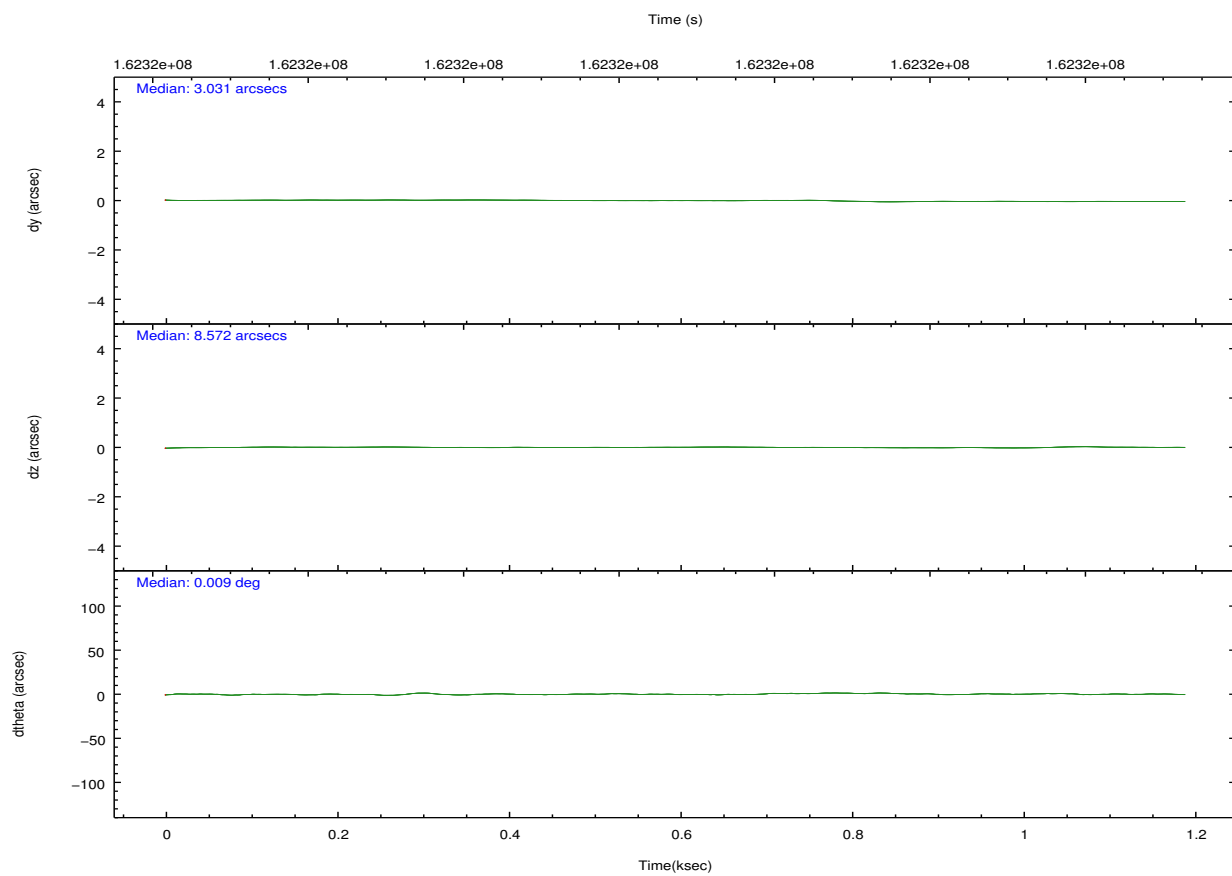
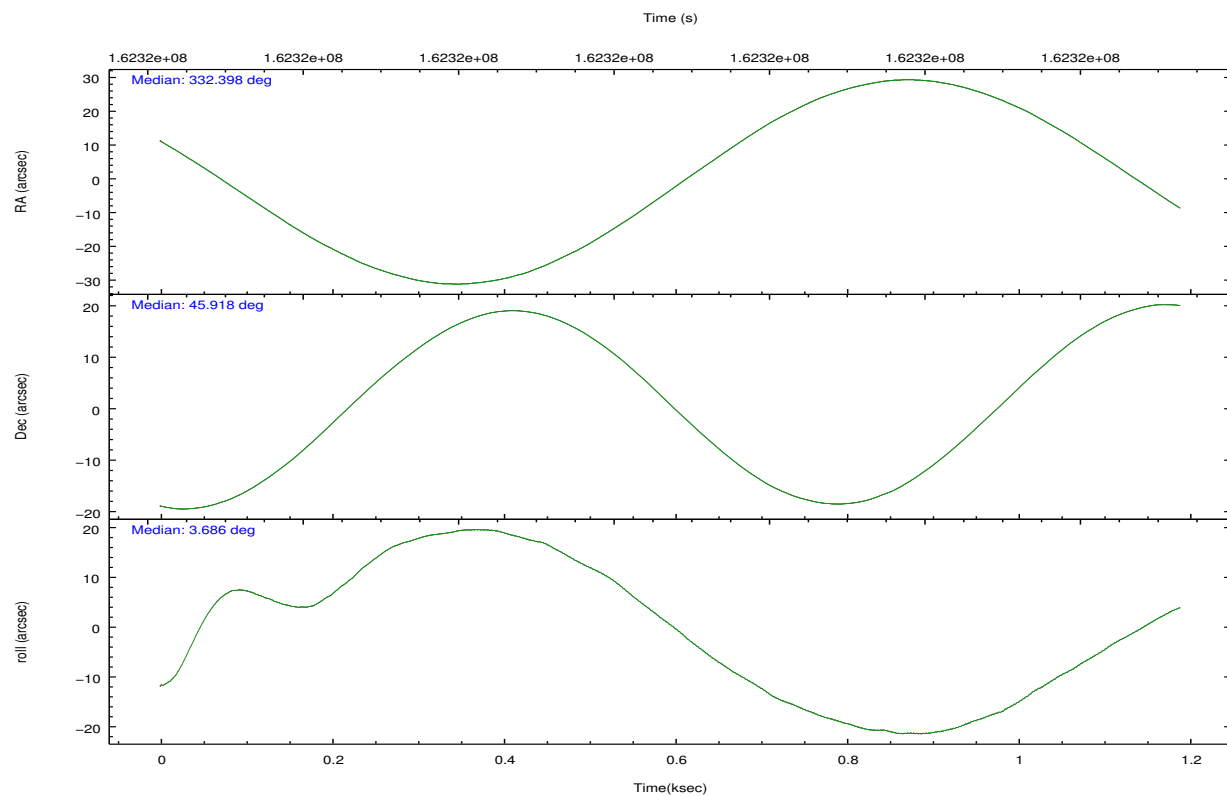
	segment 0
level 1 events	67475
rejected events	14847
rejected %	22%

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	332.366268	332.3981993867074			
[deg] Pointing Dec	45.902942	45.91844590138682			
[deg] Pointing Roll	3.811023	3.692435258363531			
[s] Window start time (MET)	161697664.184000	161697664.184000			
[s] Window stop time (MET)	165412864.184000	165412864.184000			
[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)	162322268.184000	162321891.88325			
Observation start date	2003-02-22T17:30:04	2003-02-22T17:24:51			
[s] Observation end time (MET)	162323268.184000	162323401.70831			
Observation end date	2003-02-22T17:46:44	2003-02-22T17:50:01			

2.3 Aspect



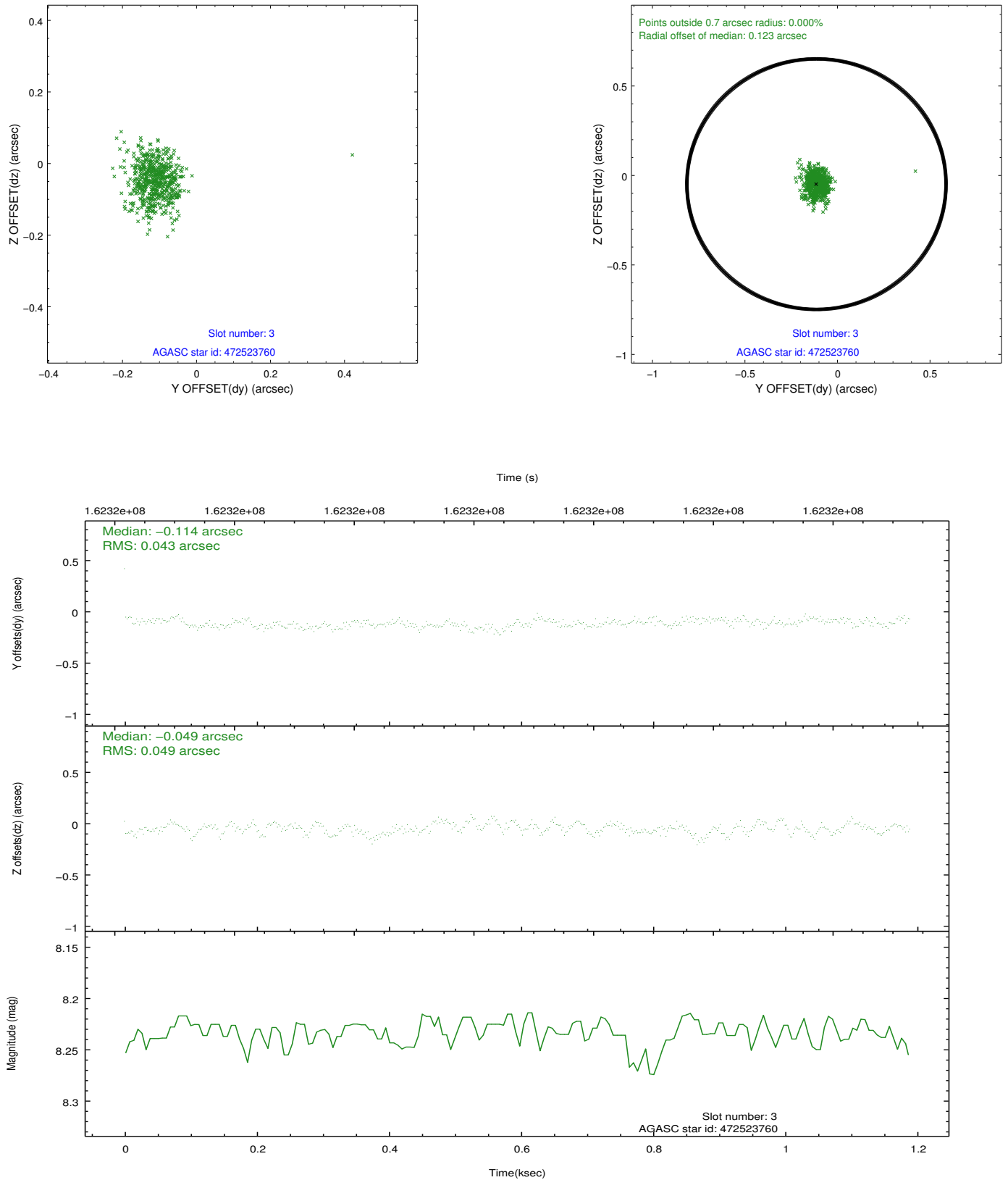


Slot Statistics

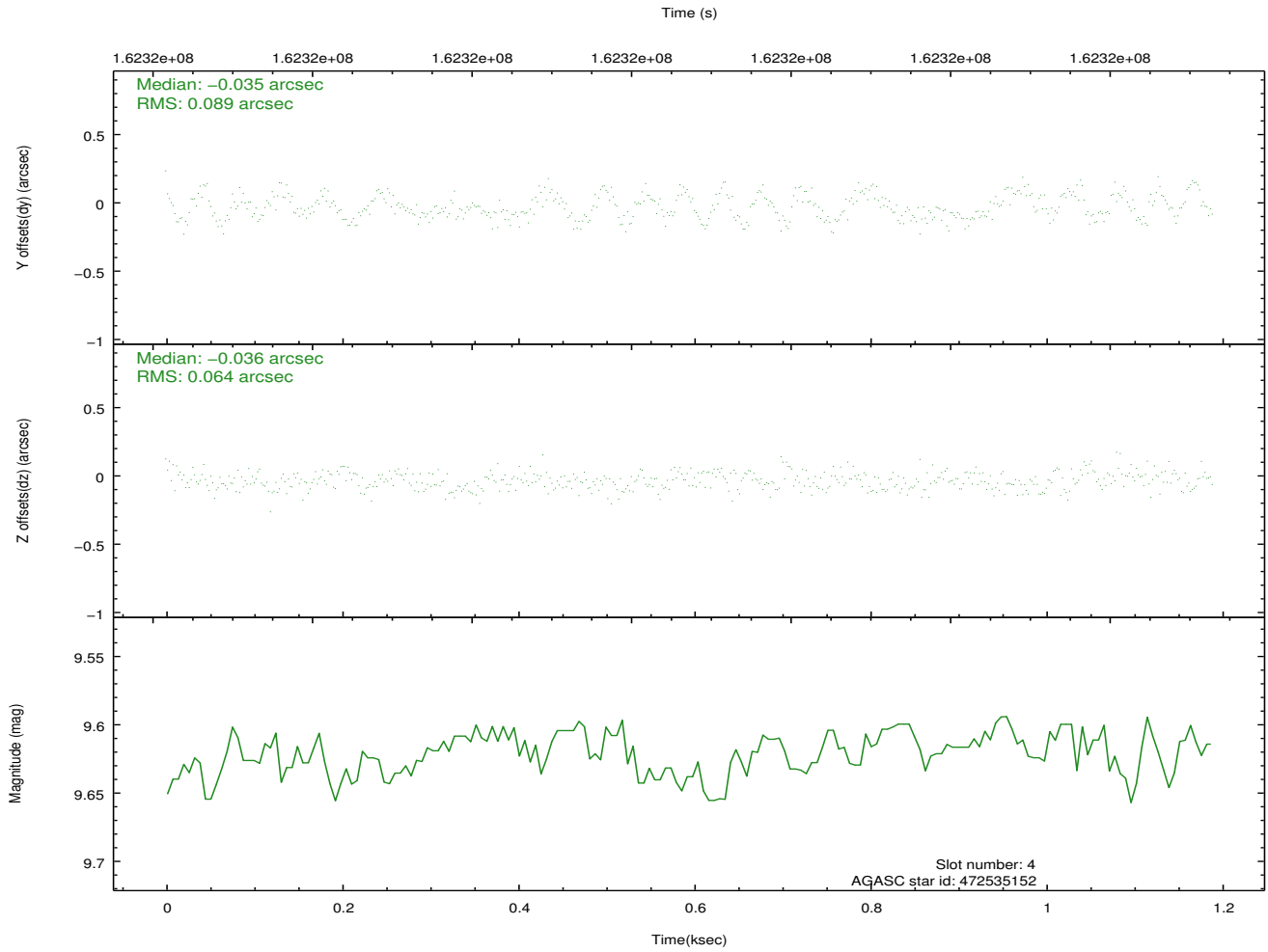
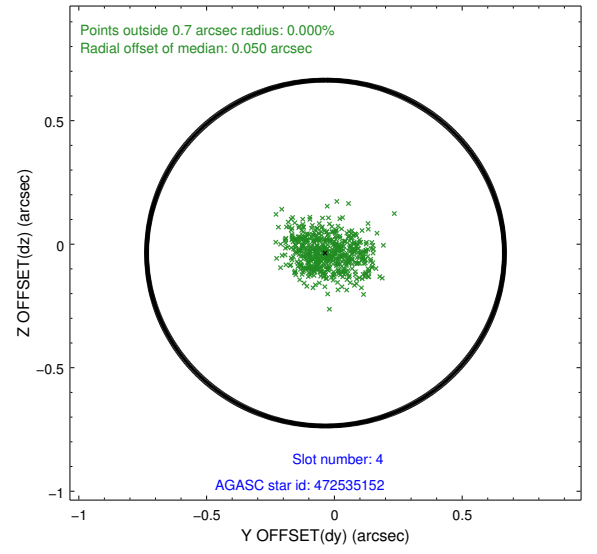
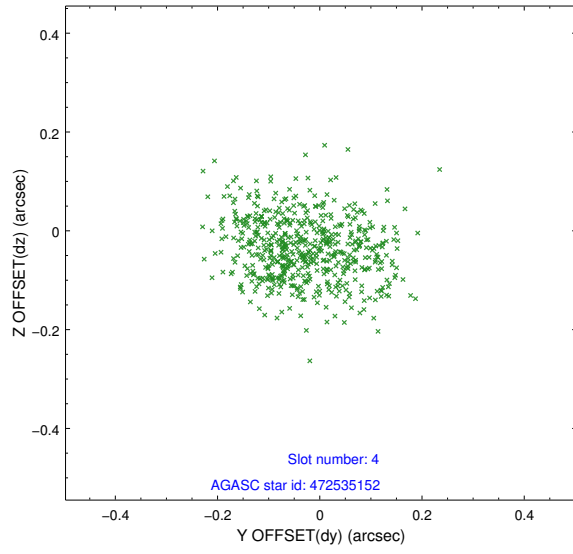
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	0.028	0.064	0.008	0.015	0.000000	0.000000	-758.47	-1296.45
1	FID	HRC-I-2	7.01	291	0.074	-0.076	0.007	0.011	0.000000	0.000000	851.60	-1302.61
2	FID	HRC-I-3	7.06	291	0.017	-0.079	0.006	0.010	0.000000	0.000000	-1184.04	1003.50
3	GUIDE	472523760	8.23	581	-0.114	-0.049	0.066	0.107	331.645363	45.403260	-1937.16	-1665.60
4	GUIDE	472535152	9.62	581	-0.035	-0.036	0.117	0.186	331.625800	46.496498	-1692.17	2259.84
5	GUIDE	472655704	9.48	581	0.039	0.050	0.122	0.193	332.167195	45.285228	-653.55	-2180.52
6	GUIDE	472659832	9.45	581	0.099	-0.014	0.094	0.148	332.780399	46.098139	1077.26	631.85
7	GUIDE	472659736	9.39	580	0.017	0.029	0.110	0.172	332.848312	46.590160	1356.20	2394.56

2.4 Star Slots

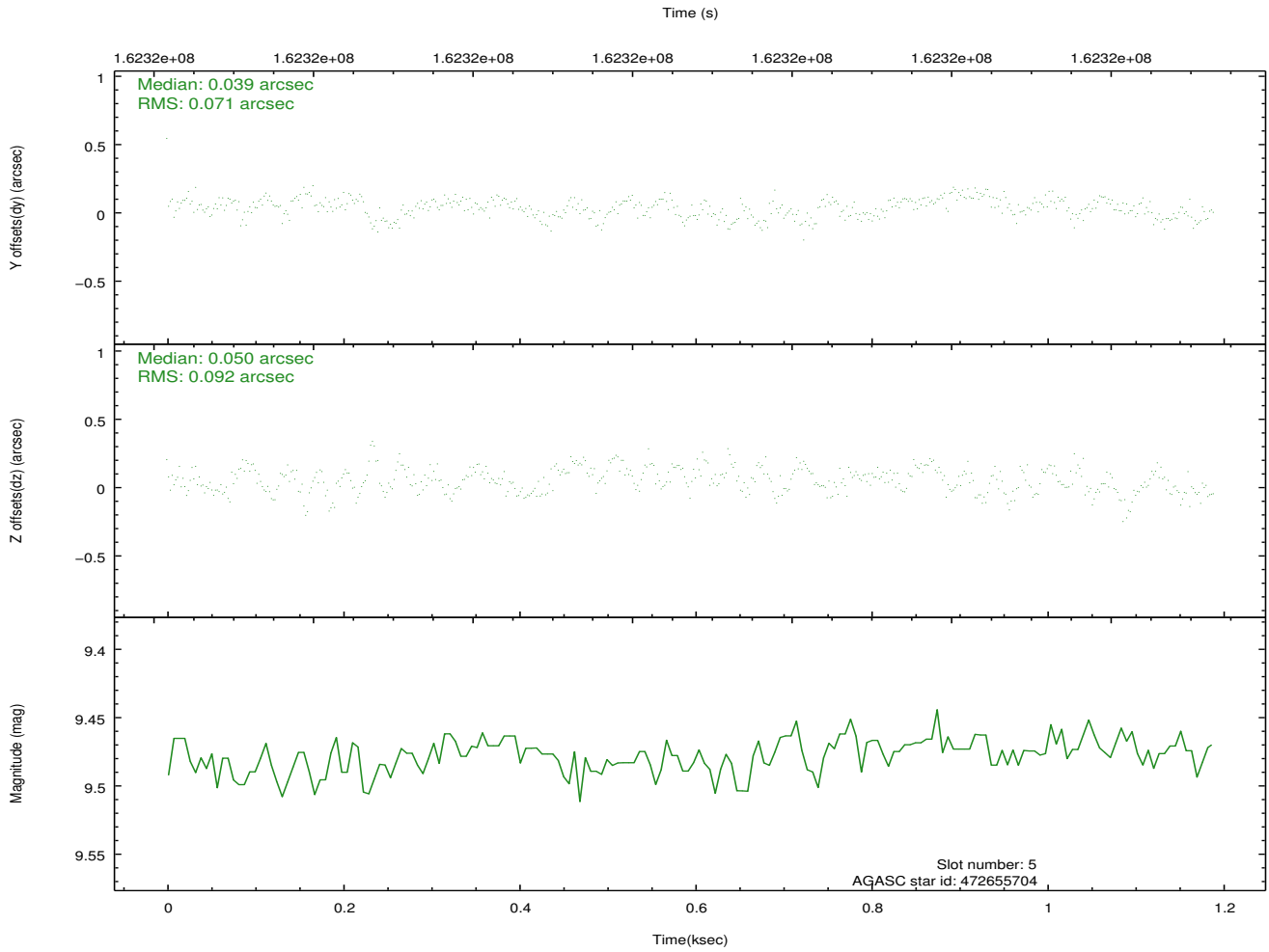
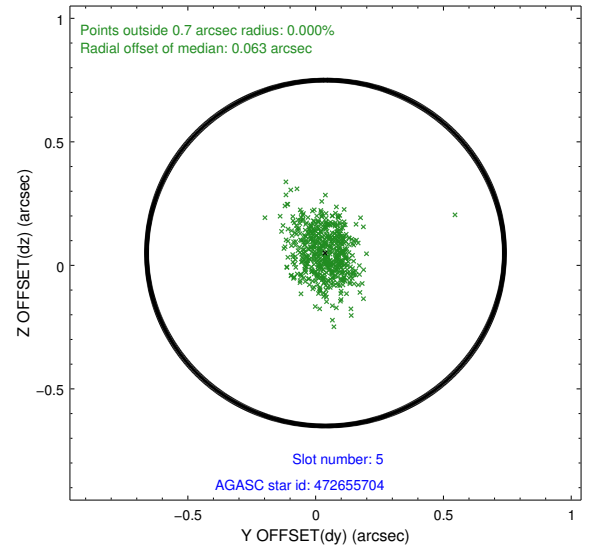
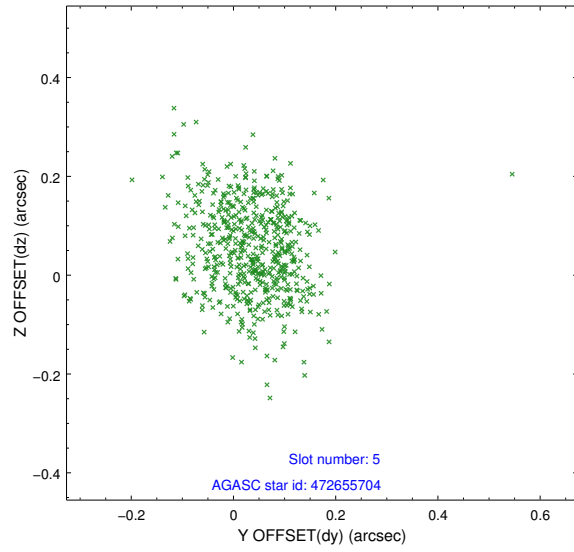
2.4.1 Slot 3



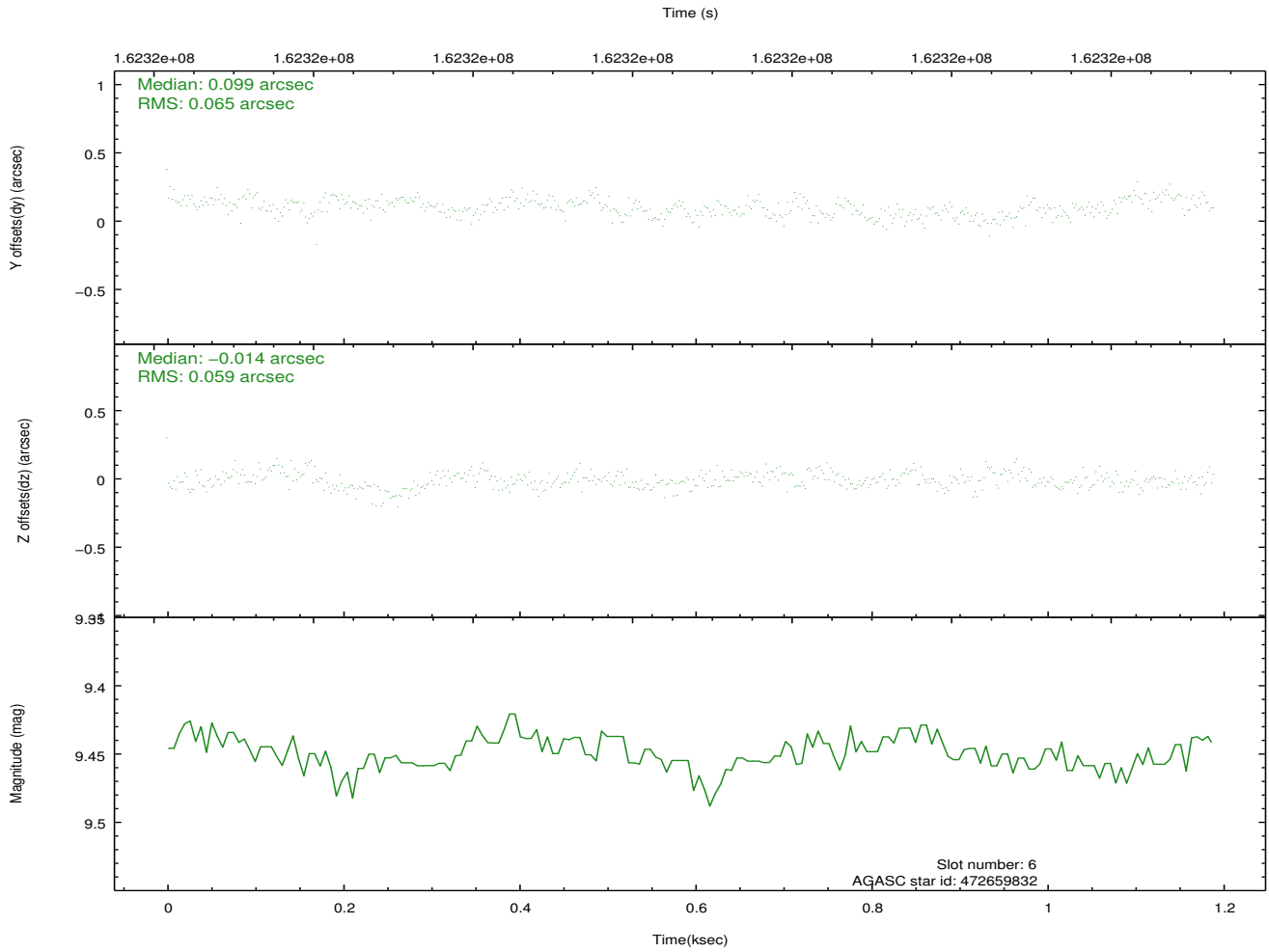
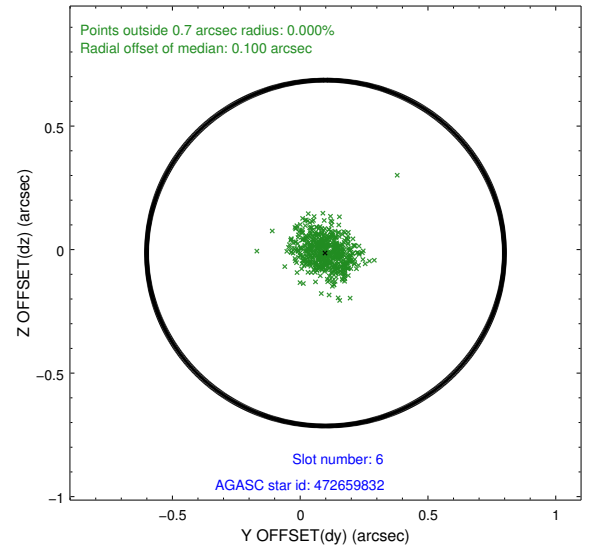
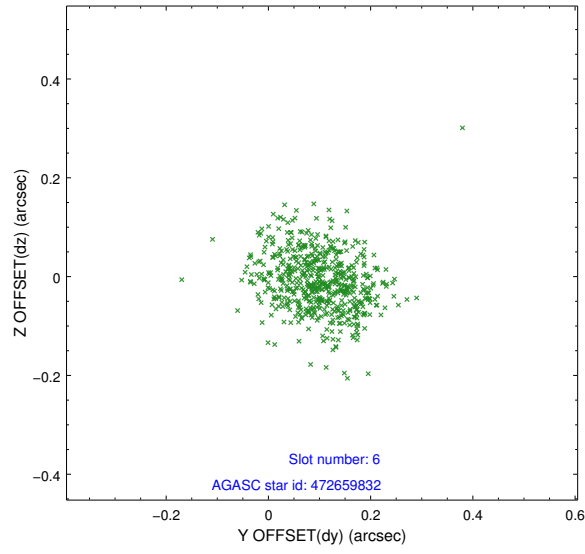
2.4.2 Slot 4



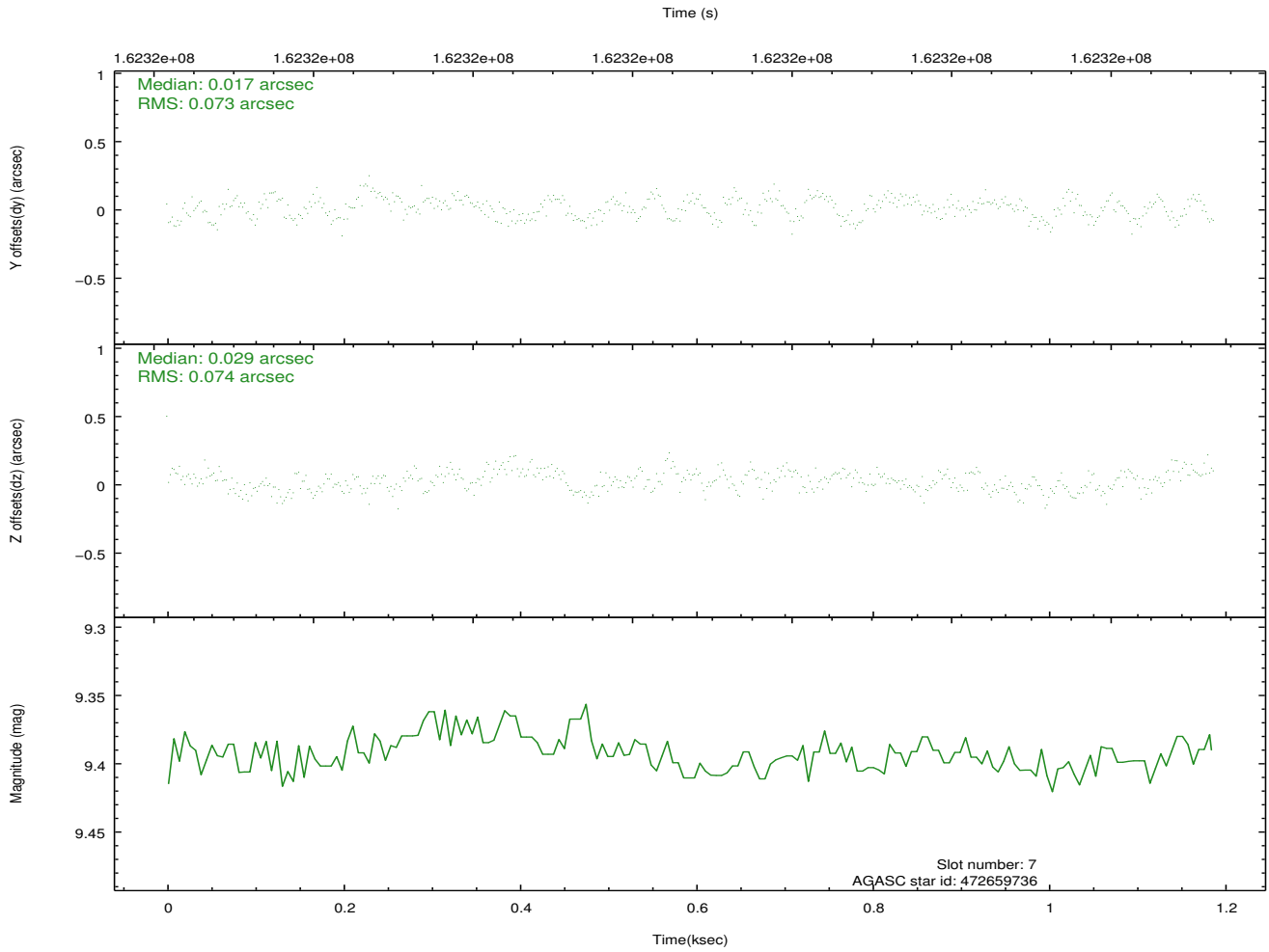
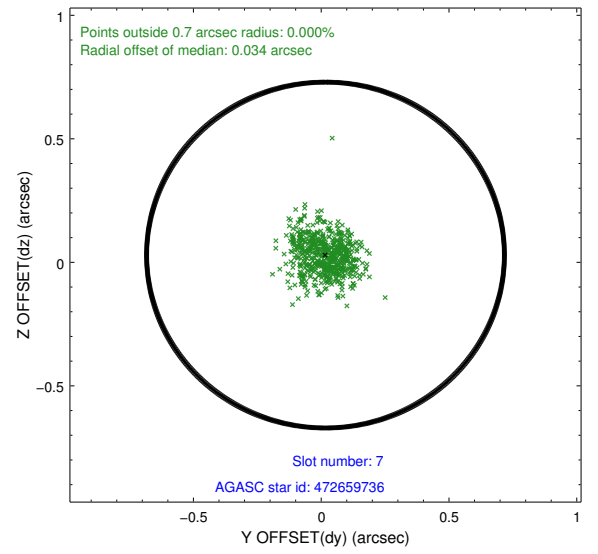
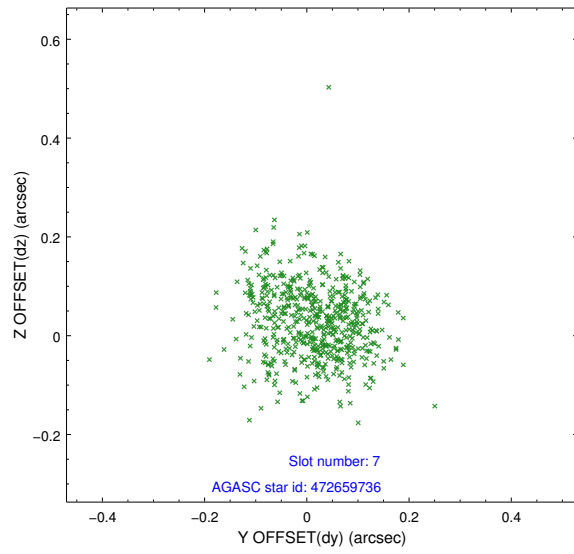
2.4.3 Slot 5



2.4.4 Slot 6

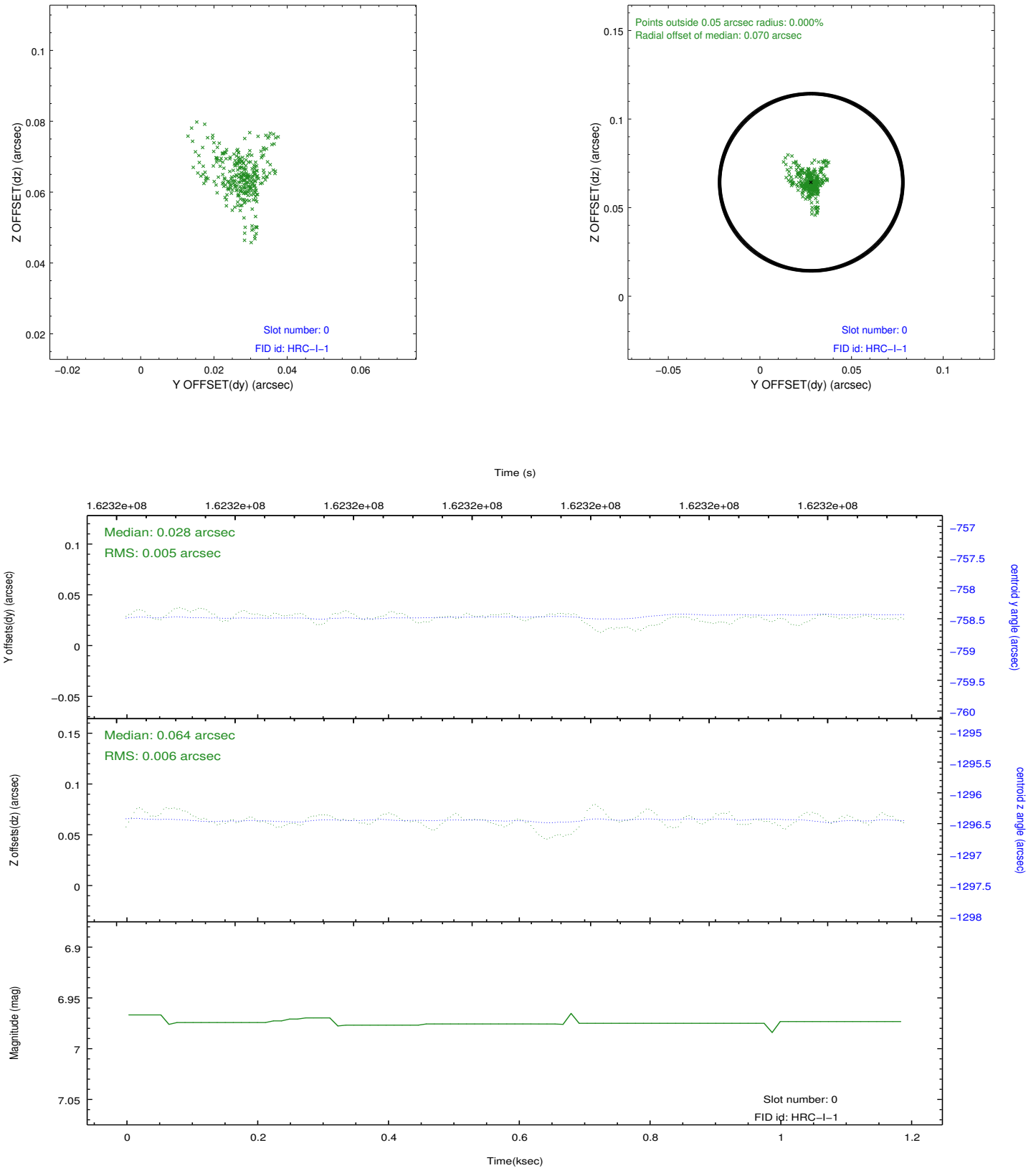


2.4.5 Slot 7

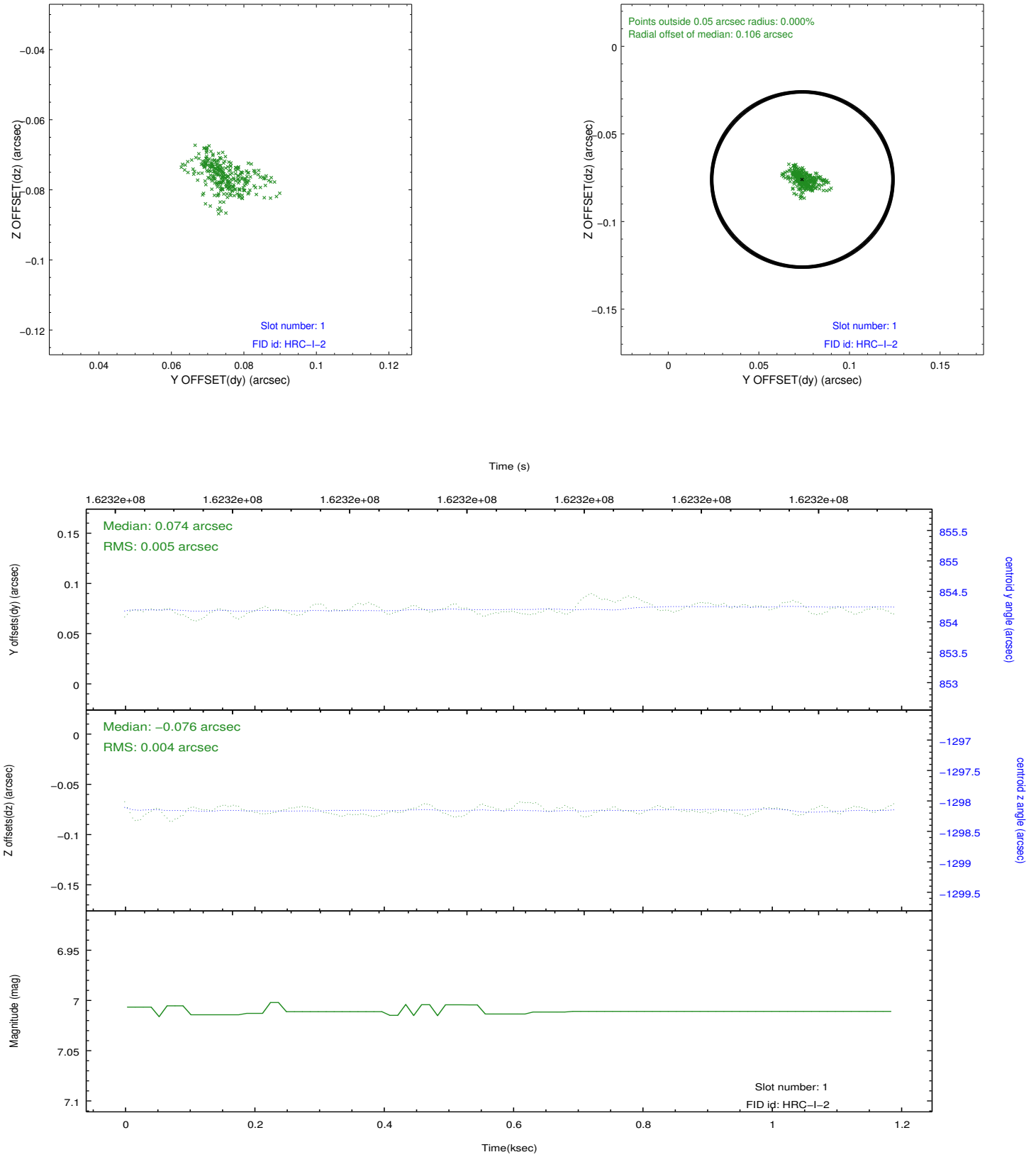


2.5 FID Slots

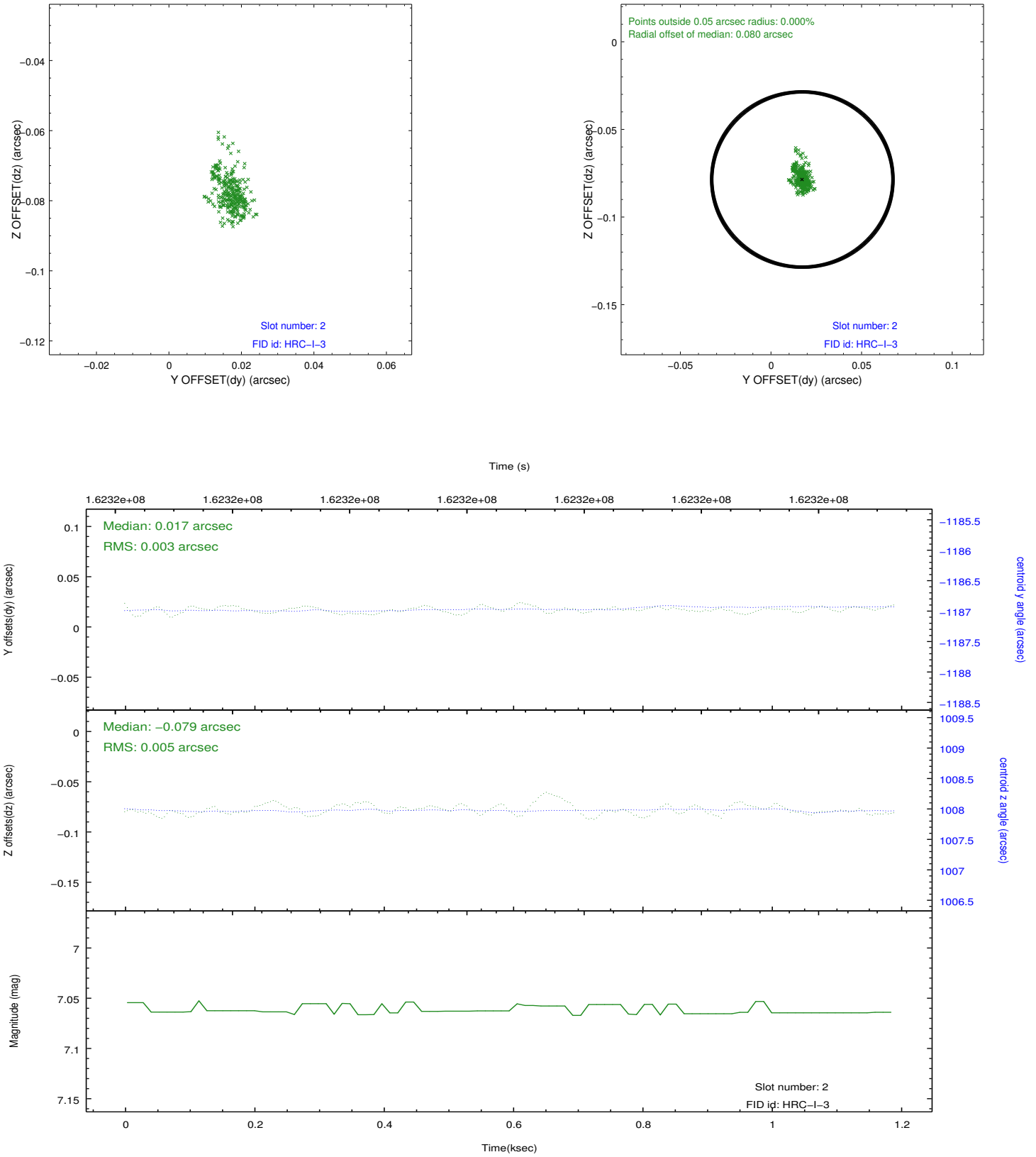
2.5.1 Slot 0



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.