

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4347 - L2 Version 3
Chandra X-Ray Center

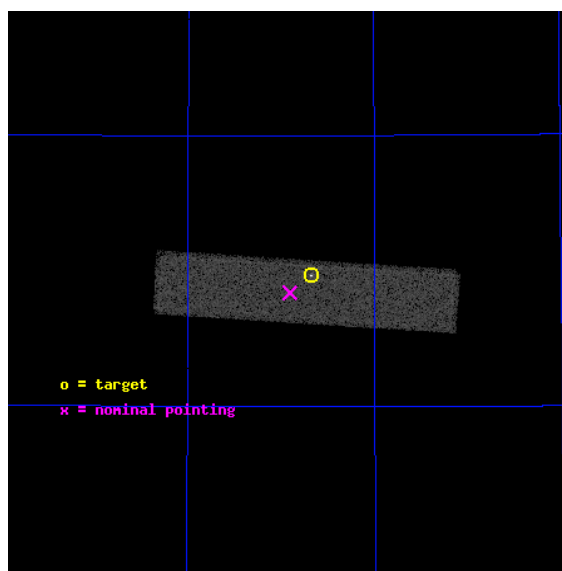
L2 Processing Date : Oct 23 2012

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1 Front

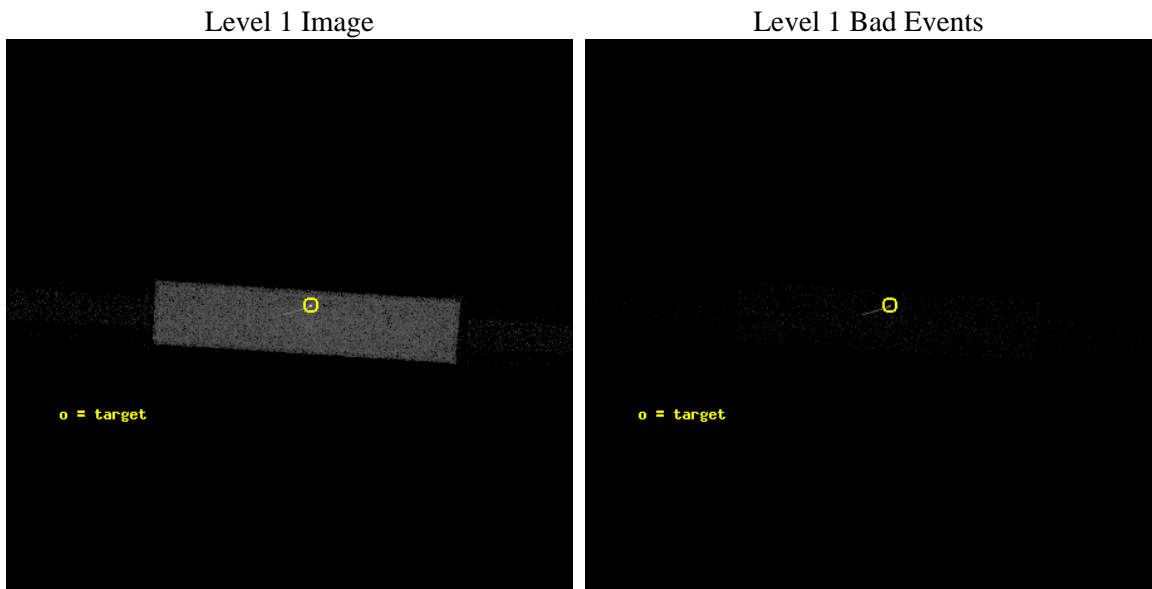
seq_num	290307	Sequence number
obs_id	4347	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22672363214	Nominal RA [deg]
dec_nom	45.710151844696	Nominal Dec [deg]
roll_nom	3.5490197015868	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062980592	[s]
livetime	1136.2270759794	Ontime multiplied by DTCOR
l2events	40619	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	1142.1062980592	[s]
caldsver	4.5.2	 	l1events	69099	Number of level 1 events
date	2012-10-23T09:25:44	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

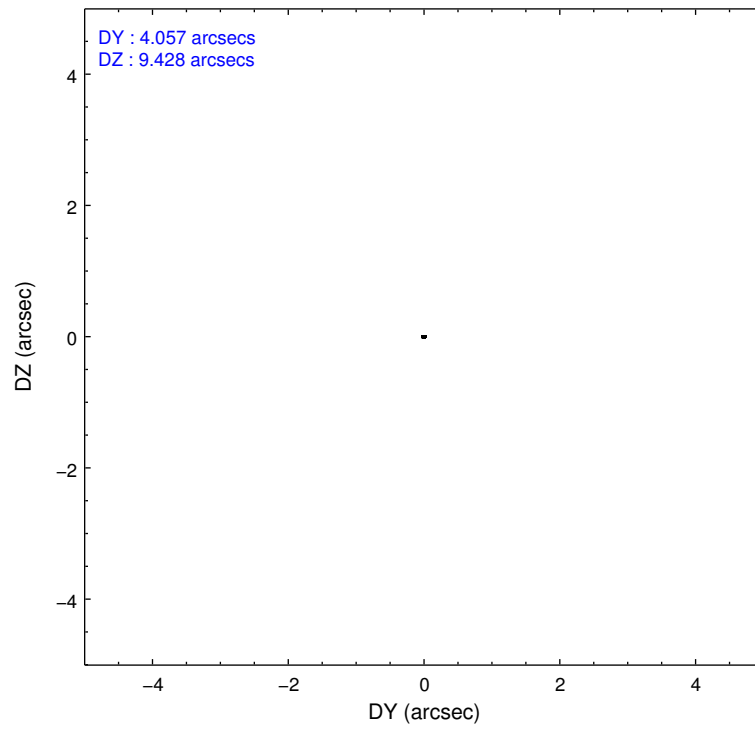
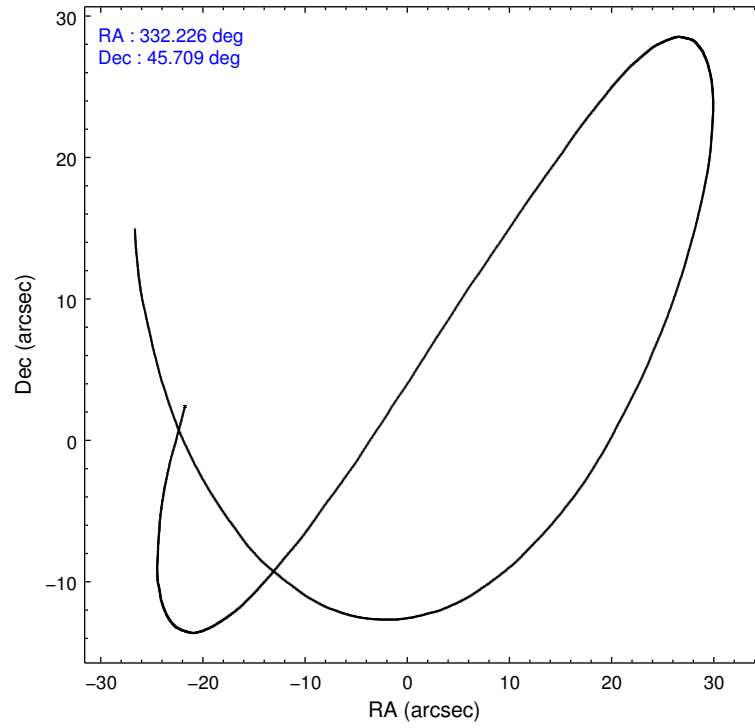
Level 1 Events

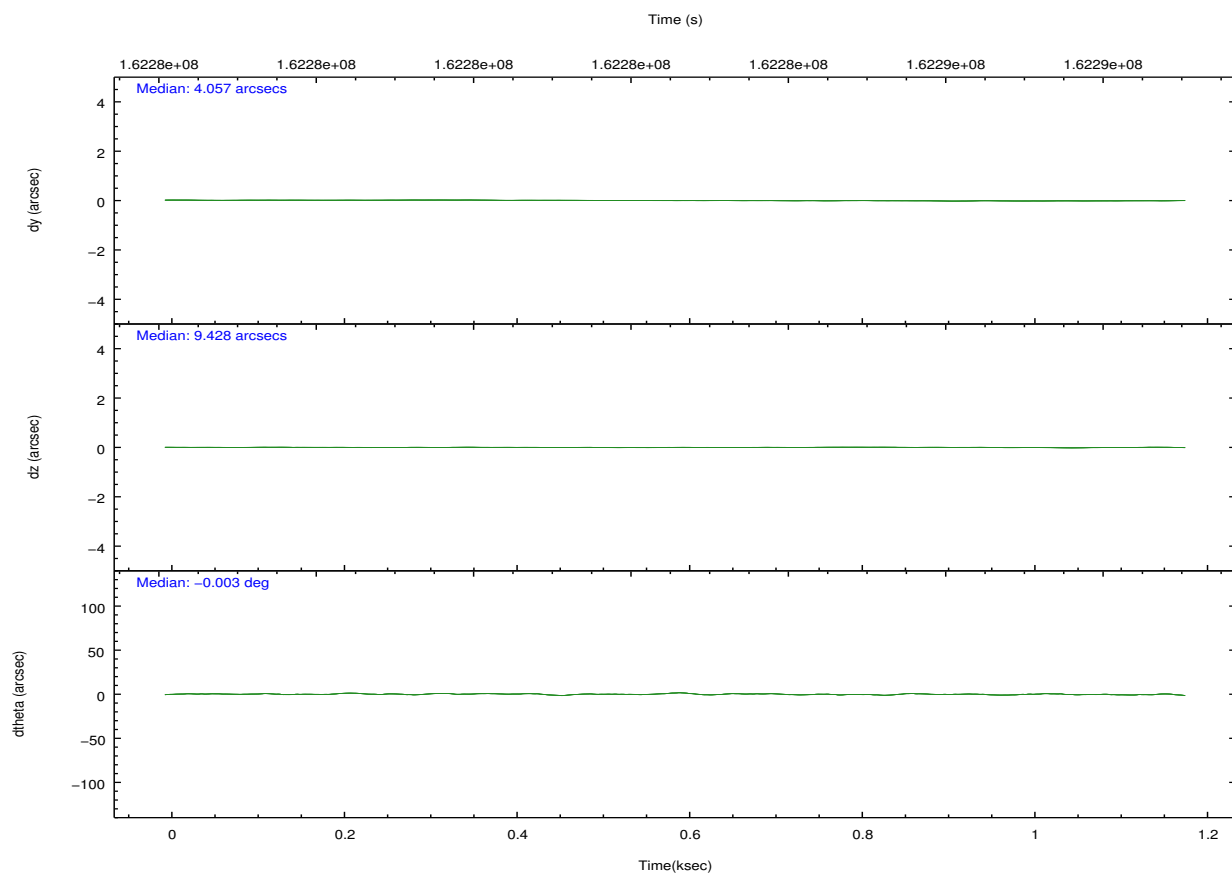
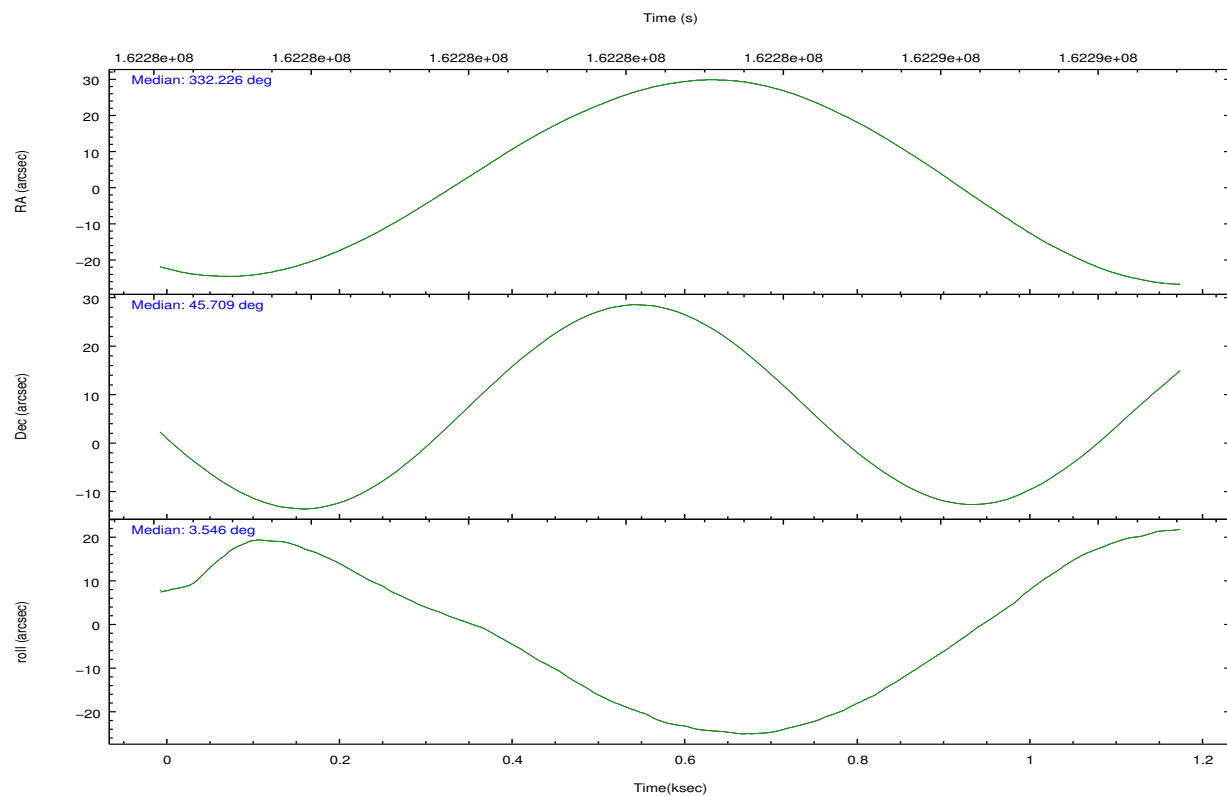
	segment 1	segment 2	segment 3
level 1 events	1395	66400	1304
rejected events	1395	16361	1304
rejected %	100%	24%	100%

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	332.194310	332.2267236321364			
[deg] Pointing Dec	45.694259	45.71015184469599			
[deg] Pointing Roll	3.504970	3.54901970158679			
[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)	162284445.184000	162284069.89416			
Observation start date	2003-02-22T06:59:41	2003-02-22T06:54:29			
[s] Observation end time (MET)	162285445.184000	162285579.71922			
Observation end date	2003-02-22T07:16:21	2003-02-22T07:19:39			

2.3 Aspect



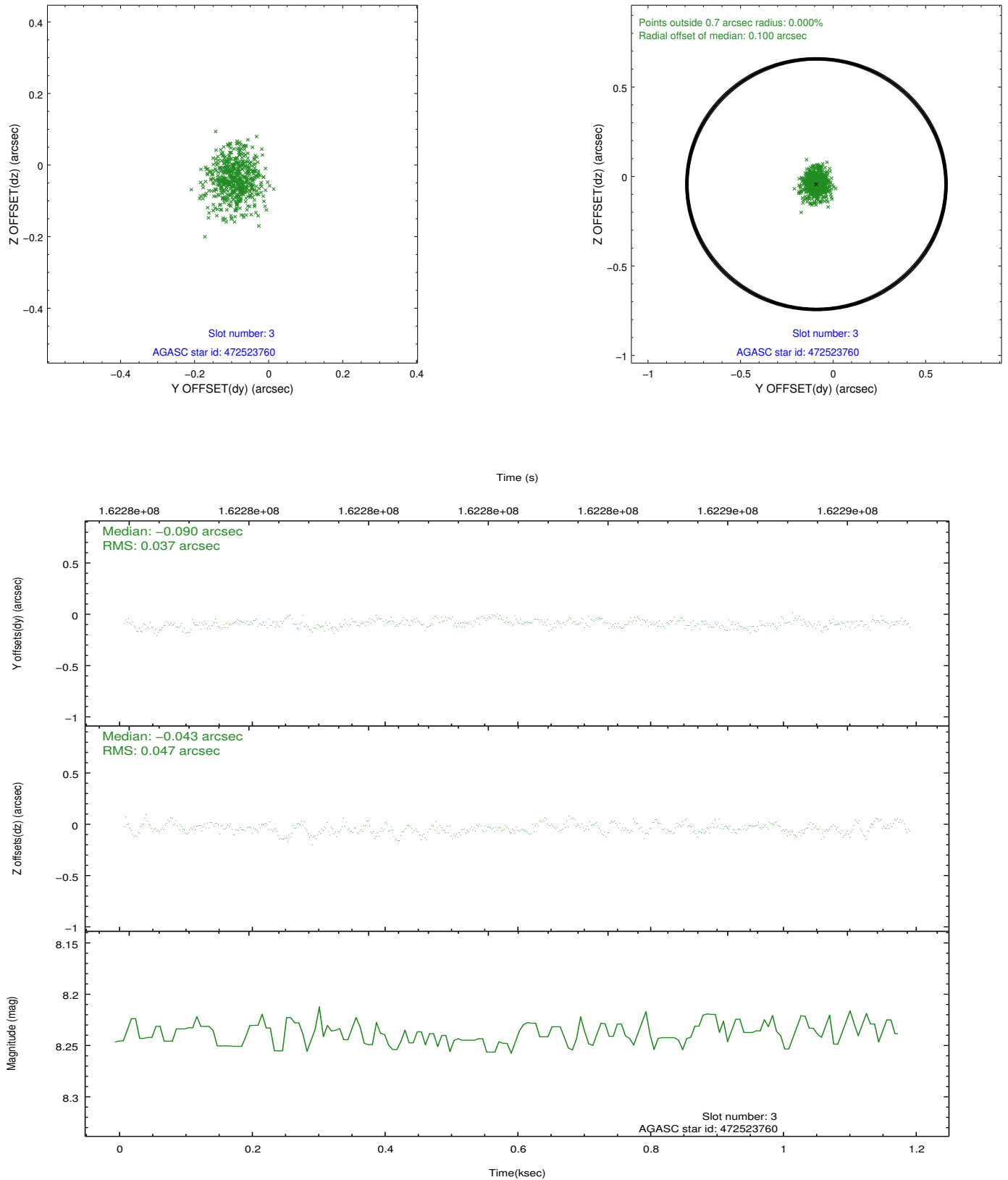


Slot Statistics

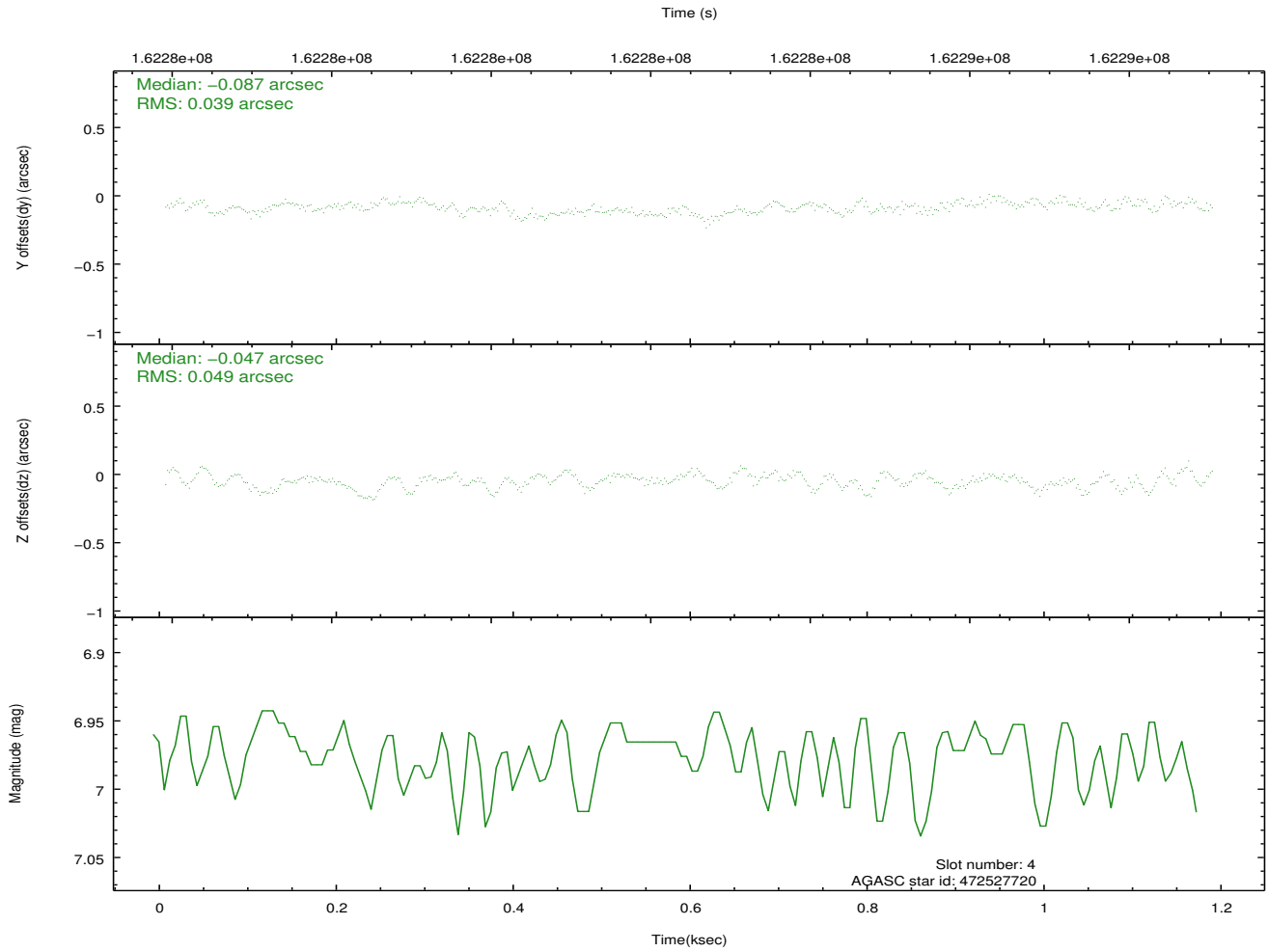
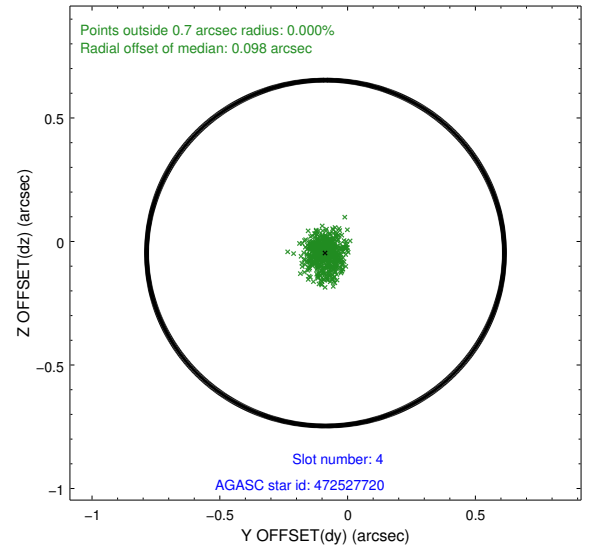
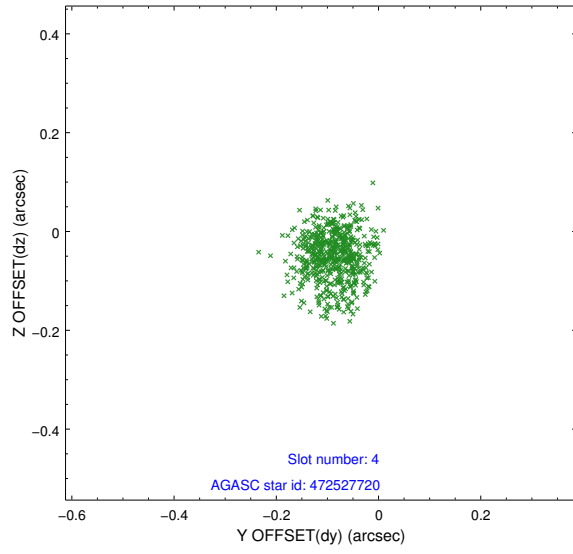
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	289	0.164	-0.180	0.007	0.012	0.000000	0.000000	-1158.10	-458.09
1	FID	HRC-S-2	6.99	289	0.062	-0.087	0.007	0.013	0.000000	0.000000	1237.48	-452.25
2	FID	HRC-S-3	7.02	289	0.162	-0.034	0.007	0.011	0.000000	0.000000	-1156.52	570.02
3	GUIDE	472523760	8.24	578	-0.090	-0.043	0.063	0.105	331.645363	45.403260	-1446.86	-952.21
4	GUIDE	472527720	6.97	578	-0.087	-0.047	0.067	0.109	331.460205	45.112509	-1989.72	-1965.72
5	GUIDE	472654568	9.44	577	0.047	0.027	0.115	0.186	332.194449	45.063576	-139.79	-2265.55
6	GUIDE	472655152	9.44	574	0.137	0.023	0.115	0.180	332.504239	45.862991	814.45	560.37
7	GUIDE	472659832	9.46	577	0.009	0.040	0.106	0.214	332.780399	46.098139	1552.74	1372.36

2.4 Star Slots

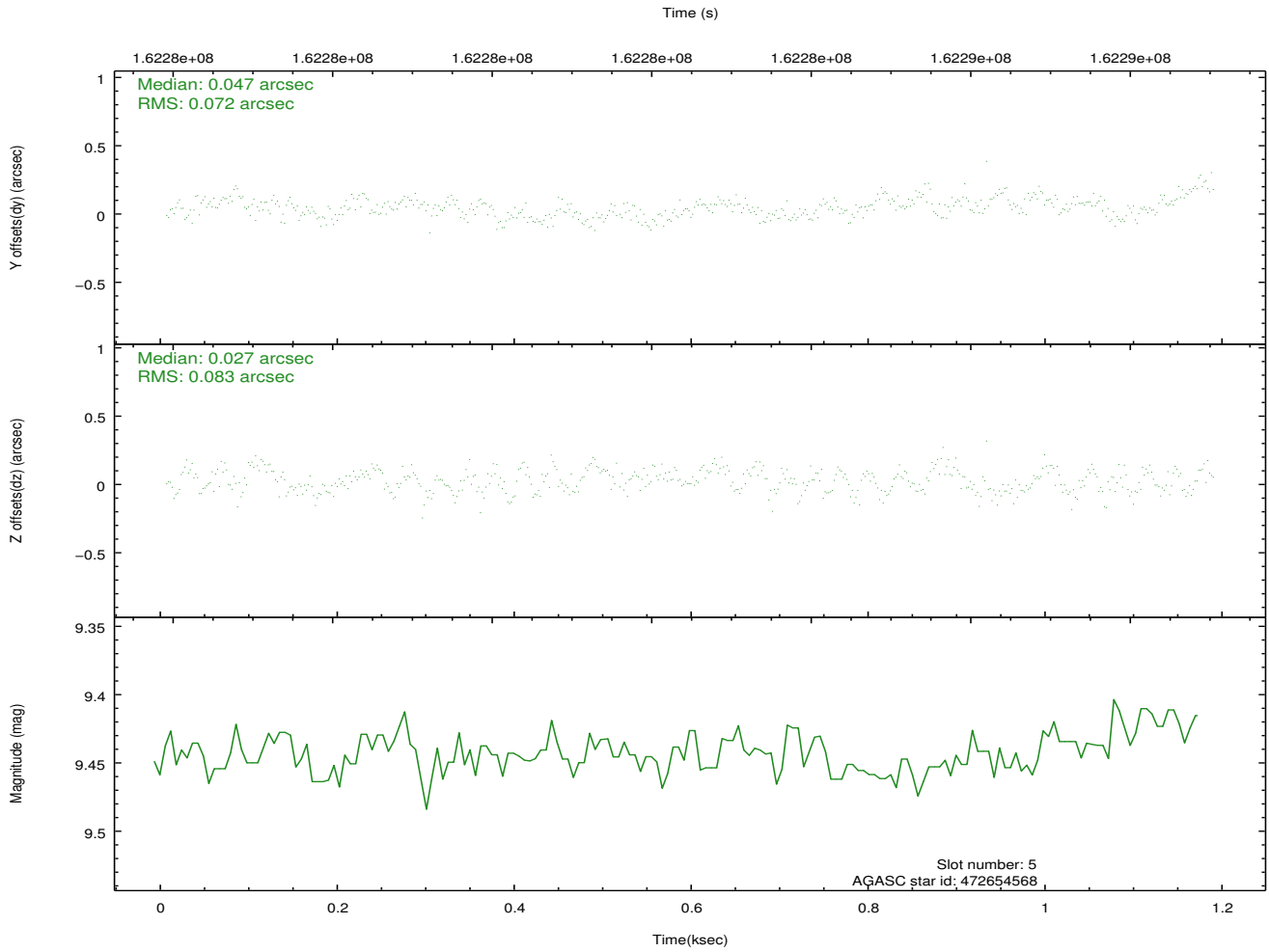
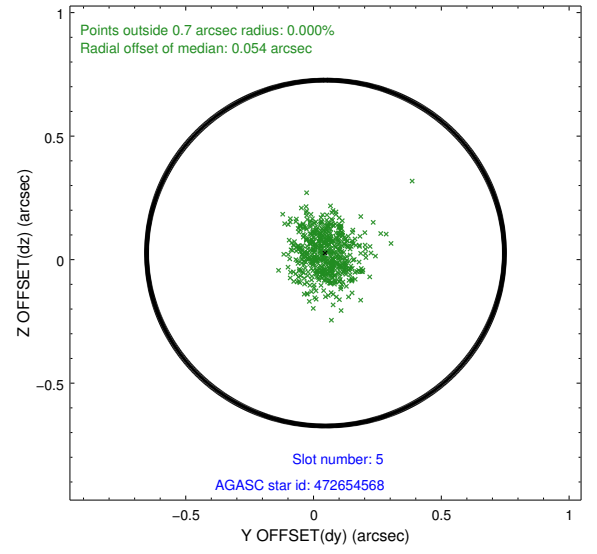
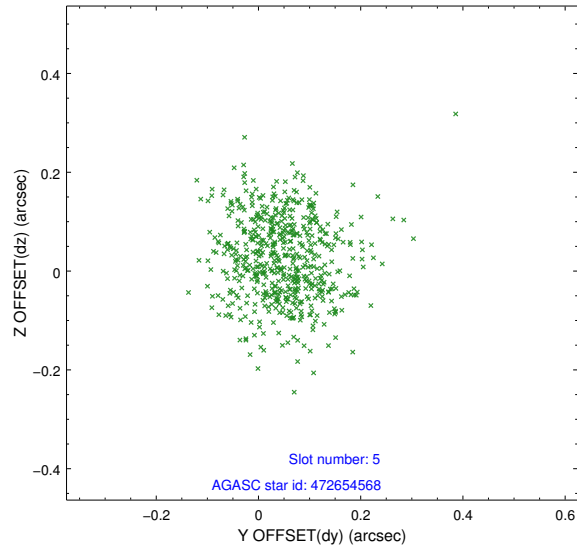
2.4.1 Slot 3



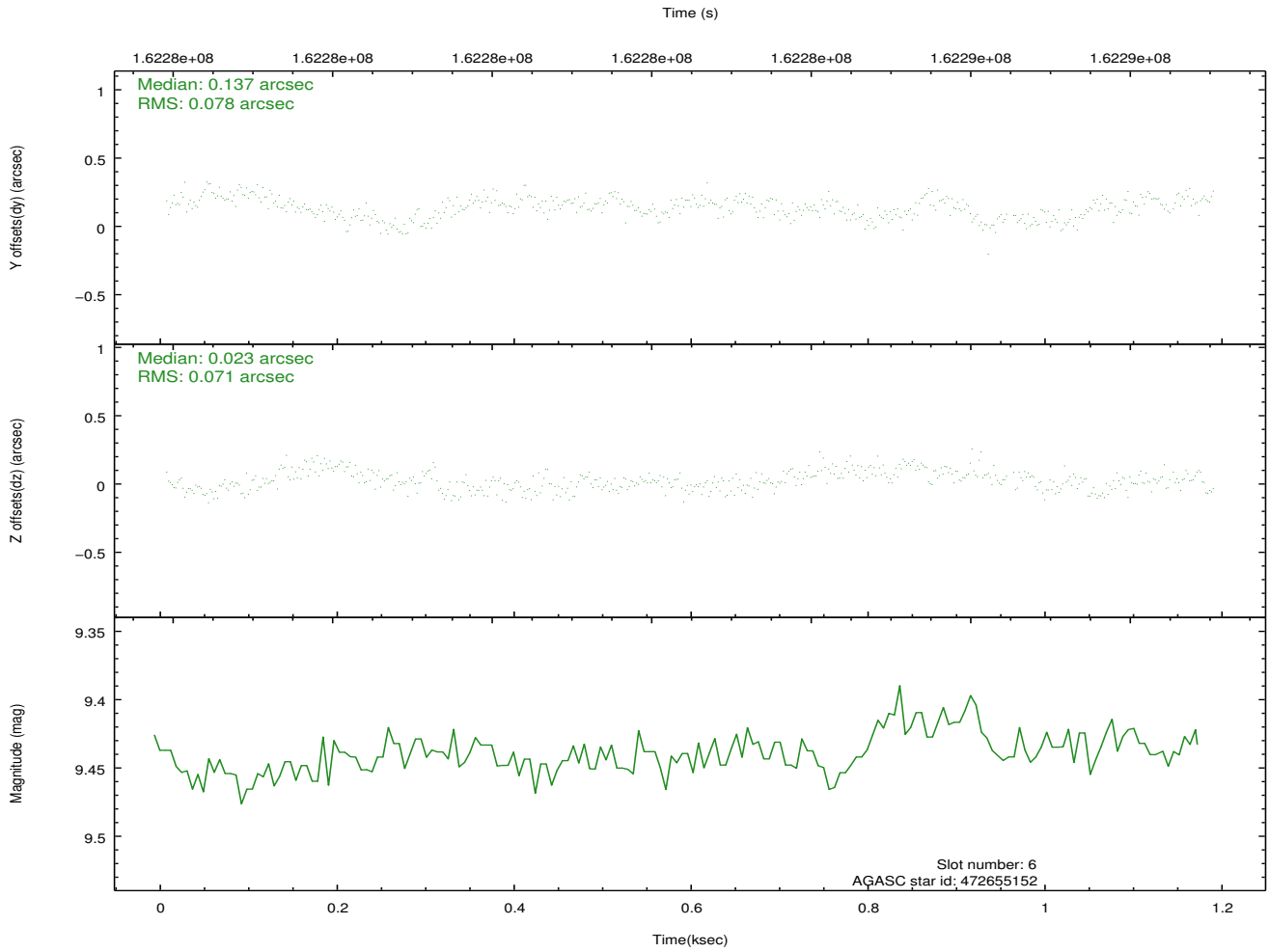
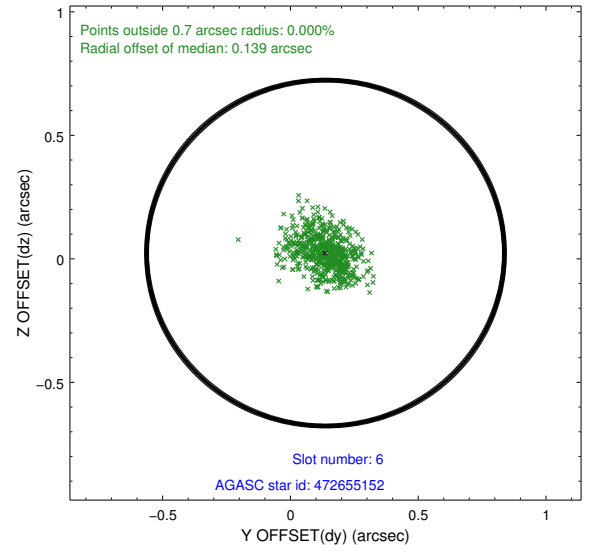
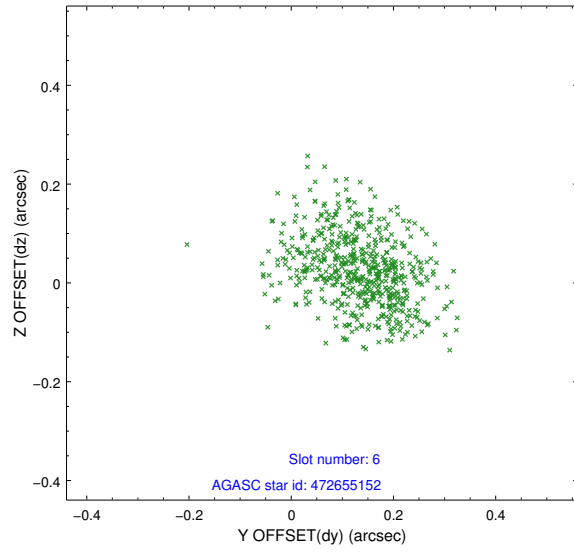
2.4.2 Slot 4



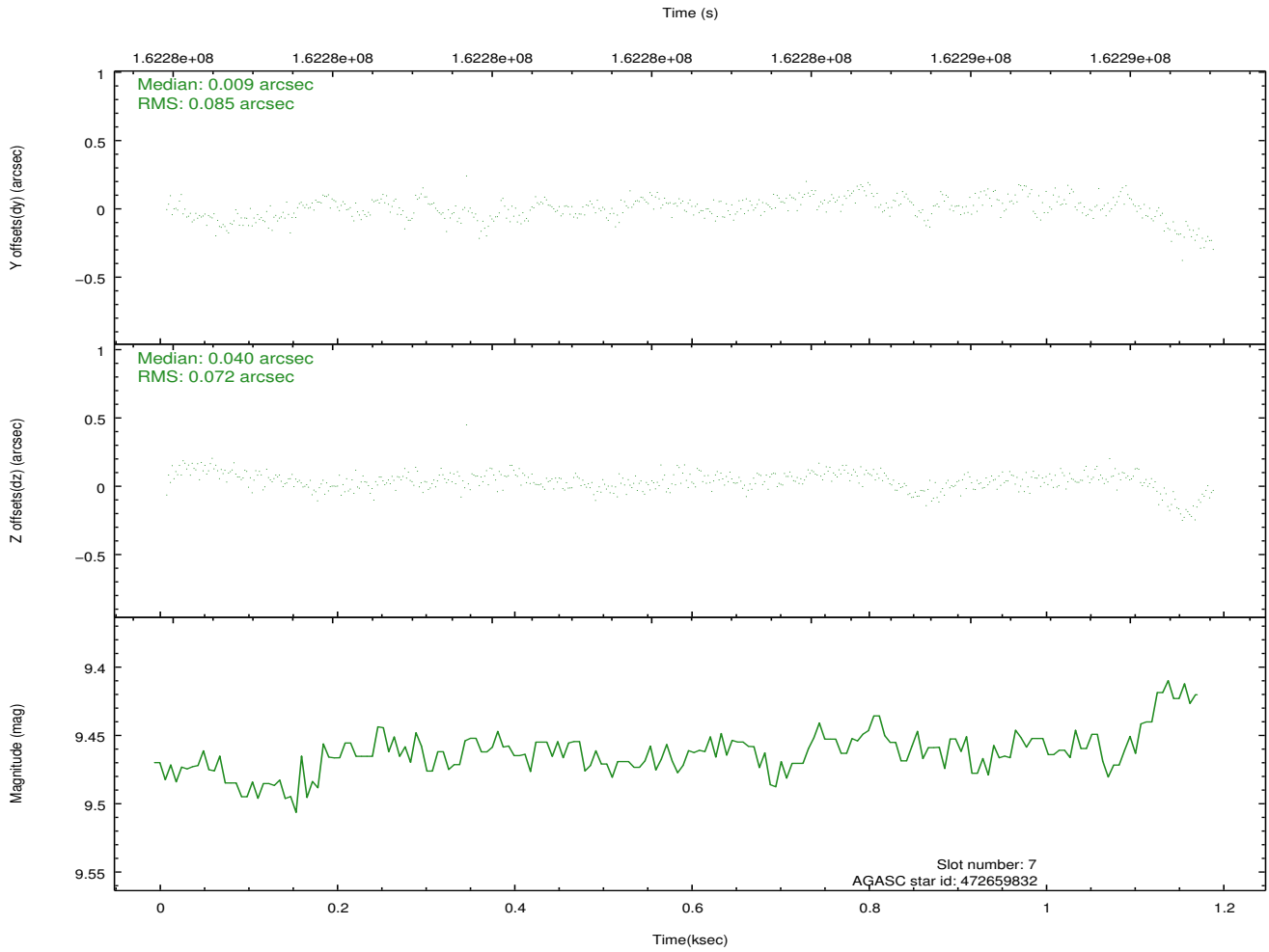
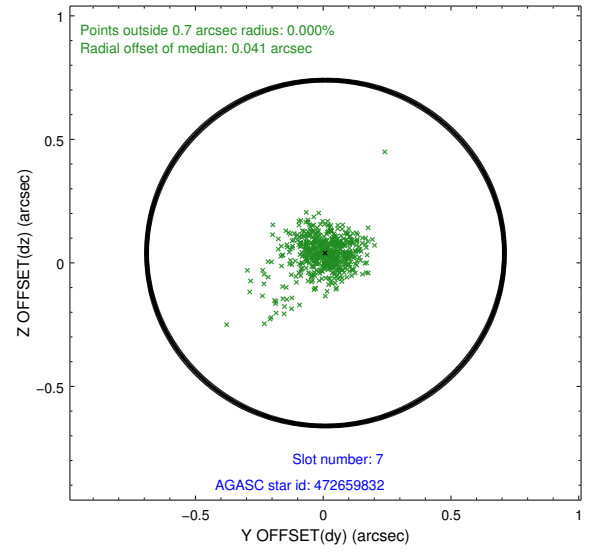
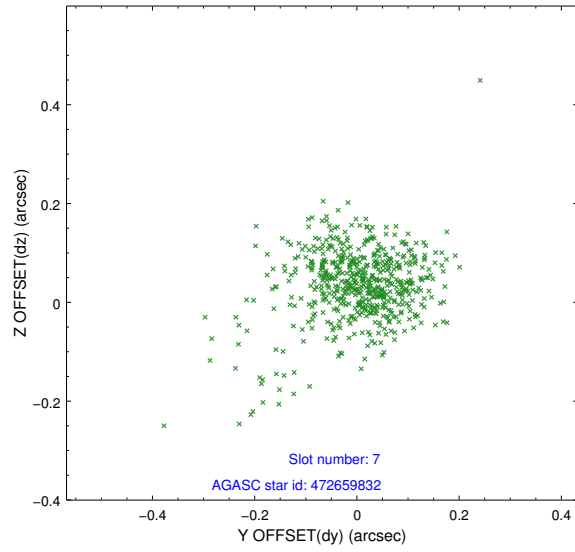
2.4.3 Slot 5



2.4.4 Slot 6

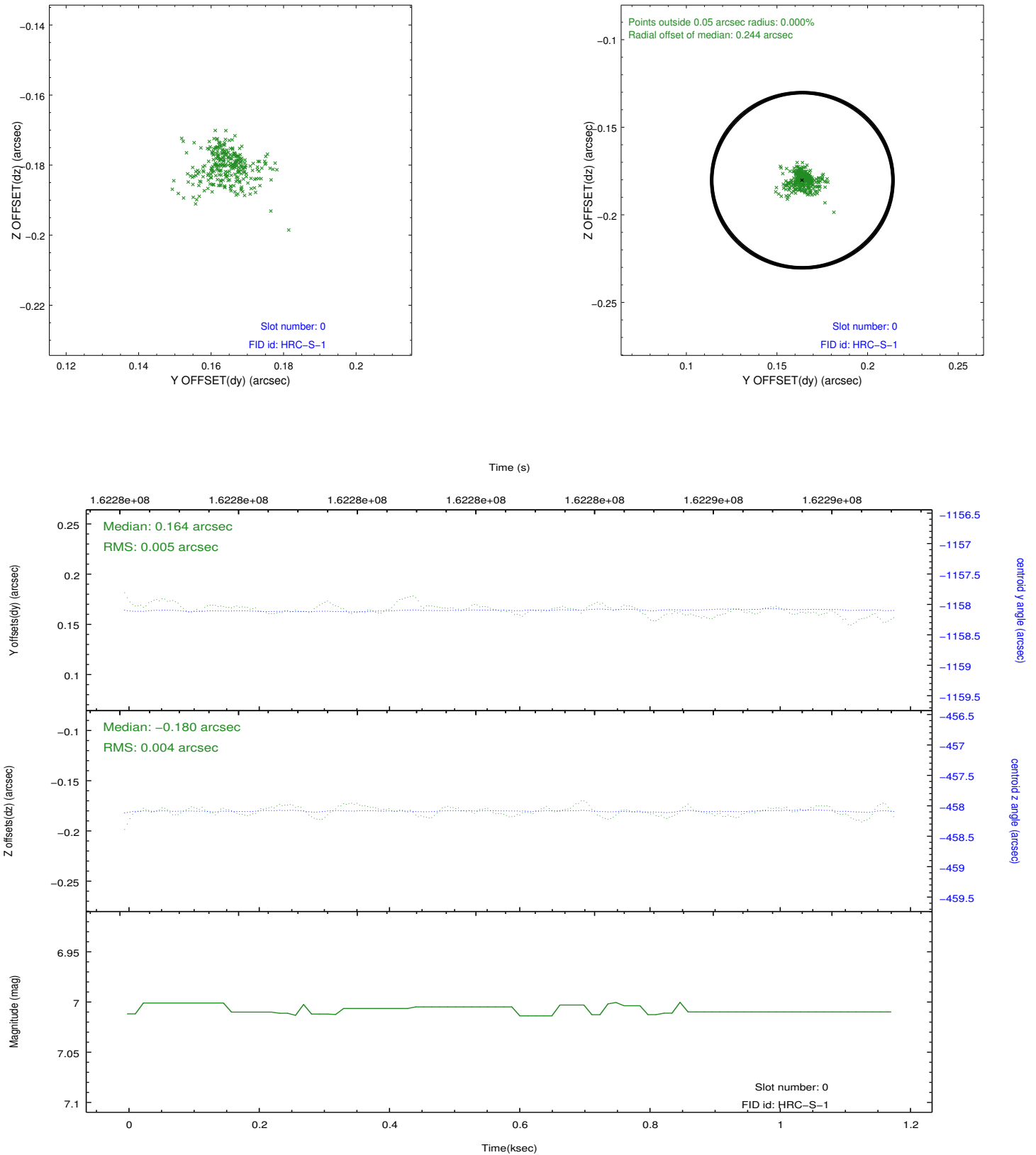


2.4.5 Slot 7

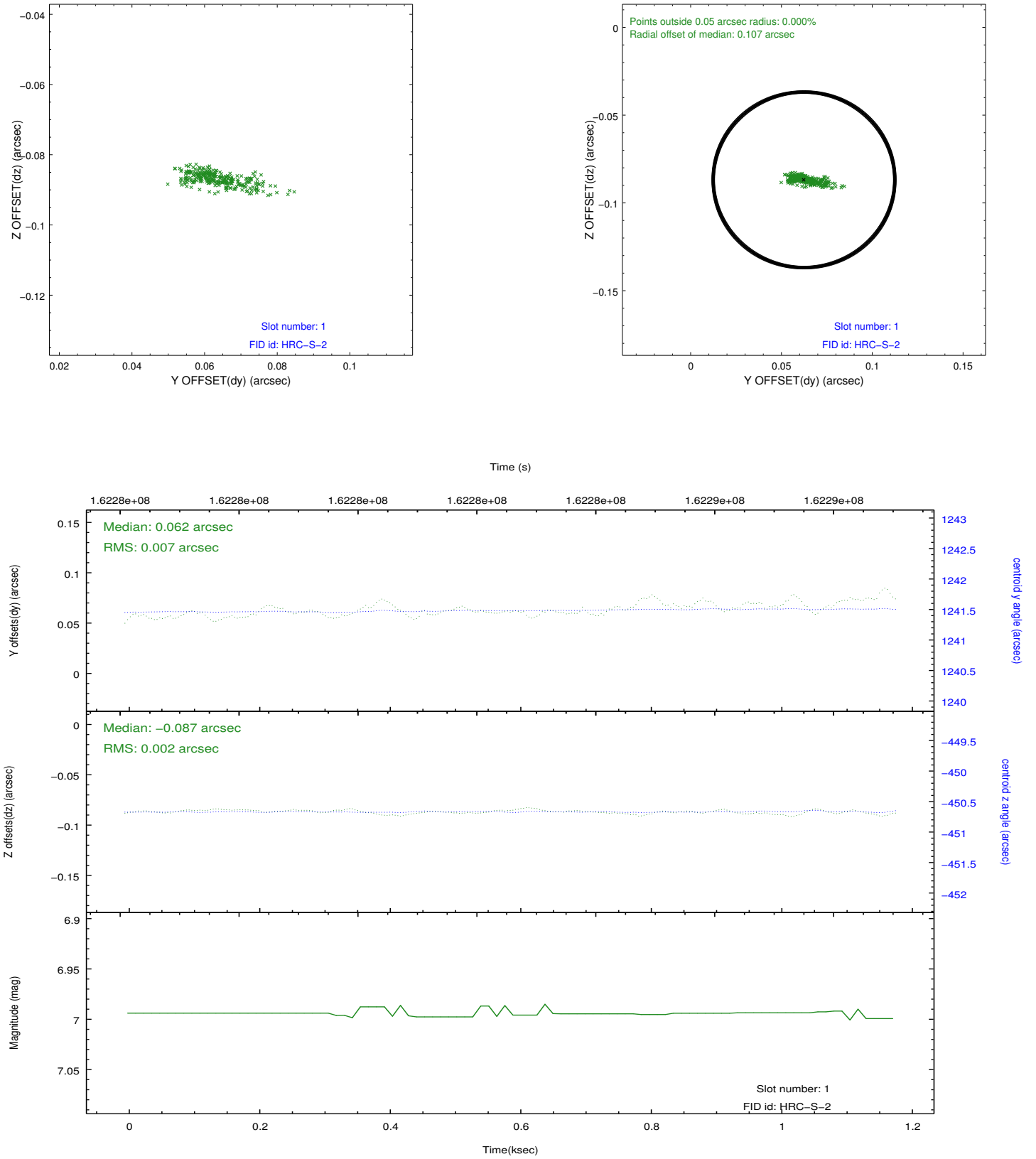


2.5 FID Slots

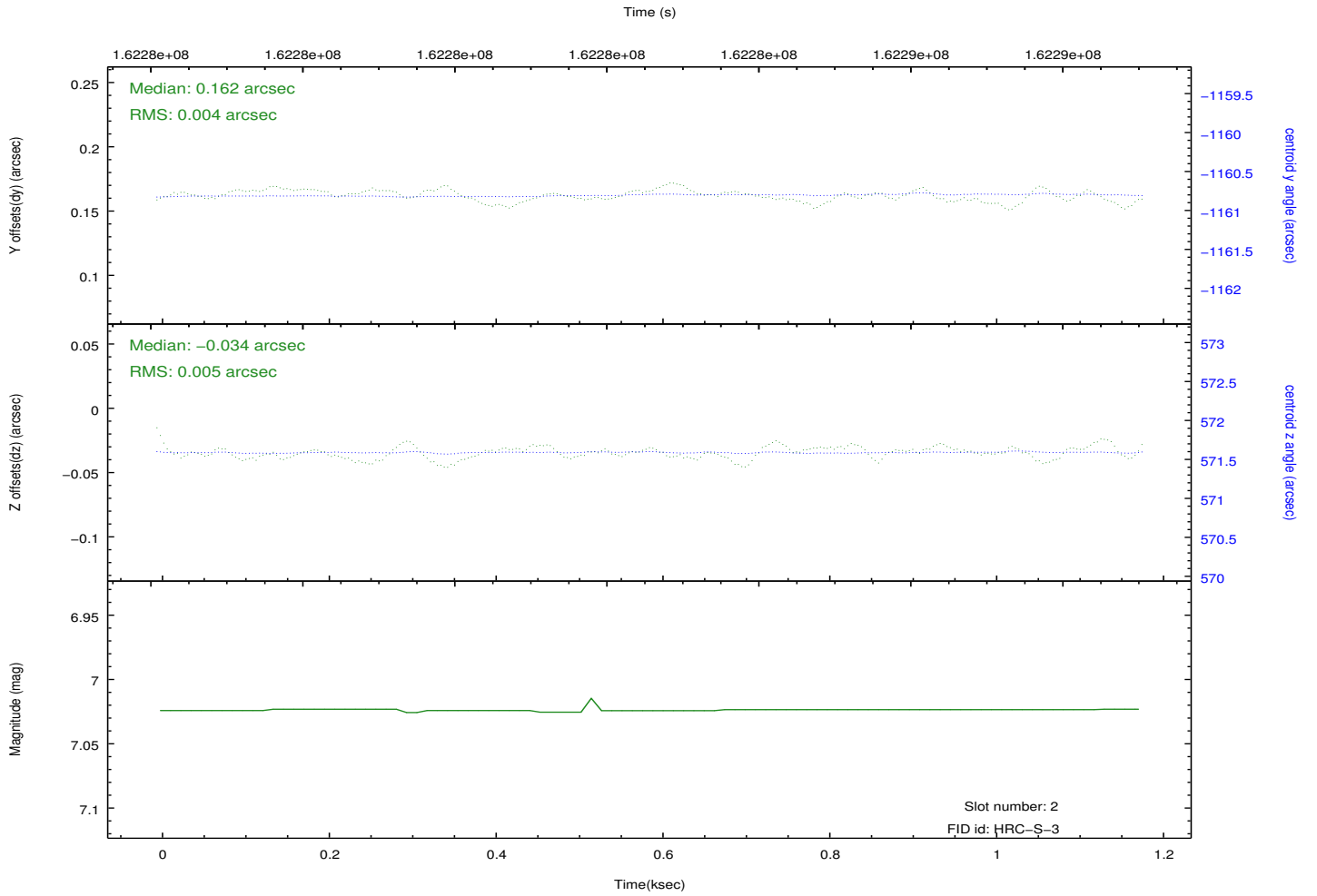
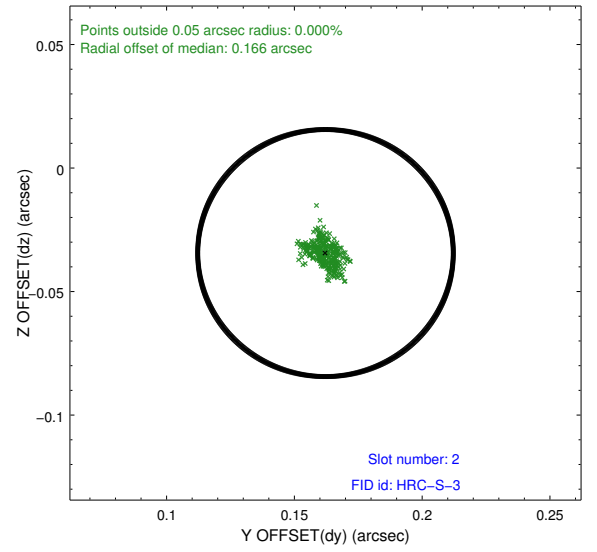
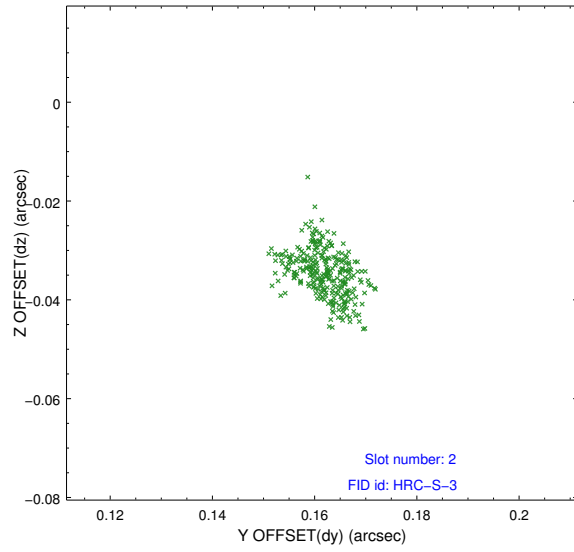
2.5.1 Slot 0



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	1.142

A.2 Comments