

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4323 - L2 Version 3
Chandra X-Ray Center

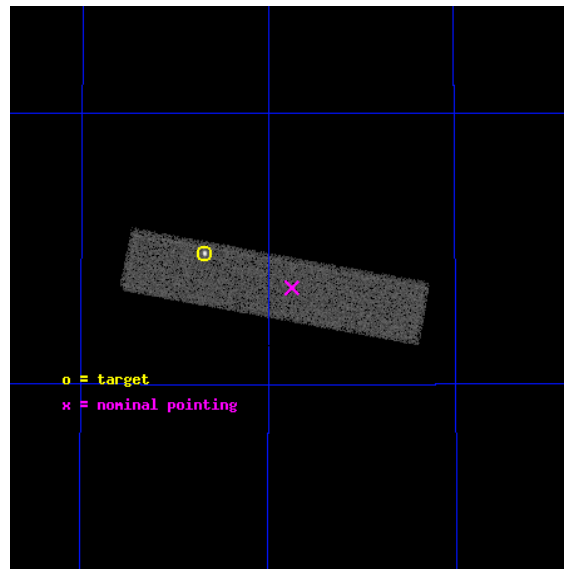
L2 Processing Date : Nov 2 2012

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1 Front

seq_num	290283	Sequence number
obs_id	4323	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	331.93664171605	Nominal RA [deg]
dec_nom	45.678922094907	Nominal Dec [deg]
roll_nom	190.23747462637	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062989235	[s]
livetime	1136.3834224122	Ontime multiplied by DTCOR
l2events	39491	Number of level 2 events

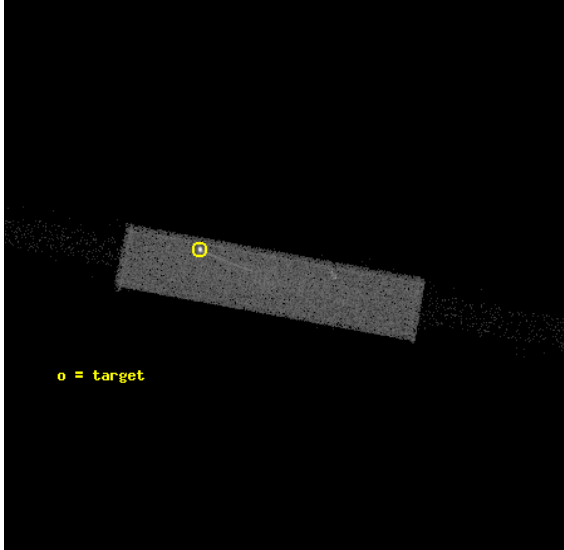


2 OBI

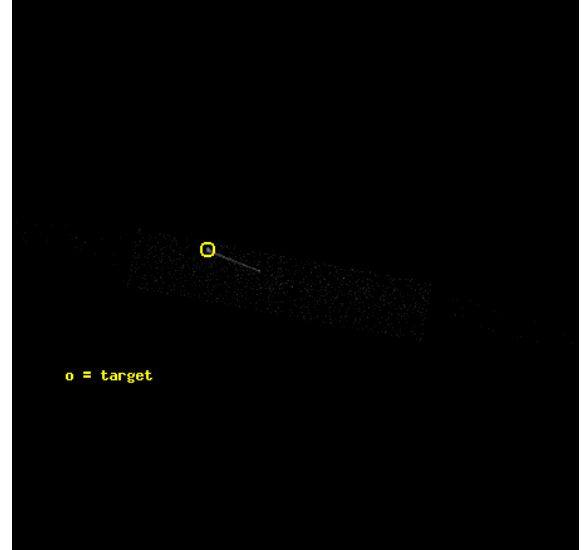
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



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	1142.1062989235	[s]
caldbver	4.5.2	 	l1events	66035	Number of level 1 events
date	2012-11-02T16:32:52	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

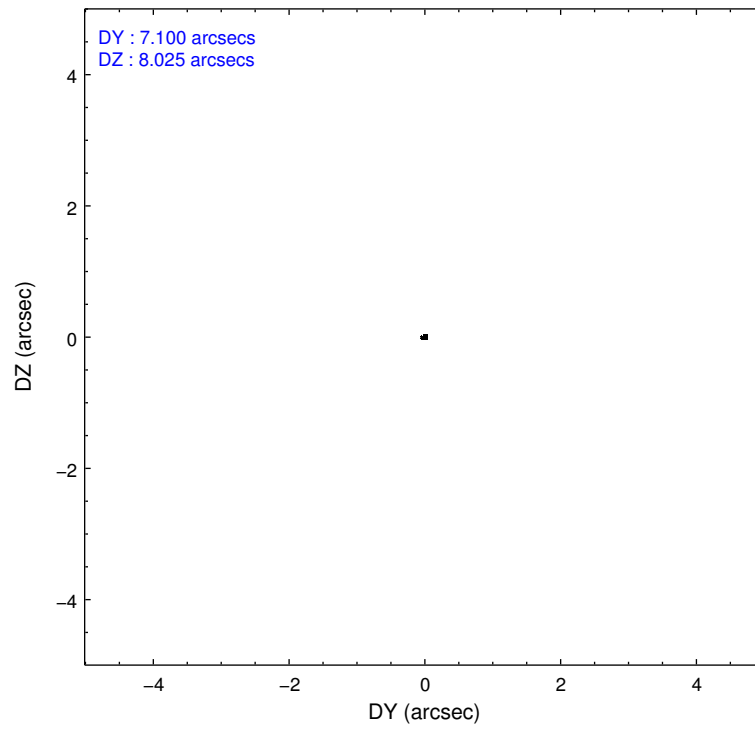
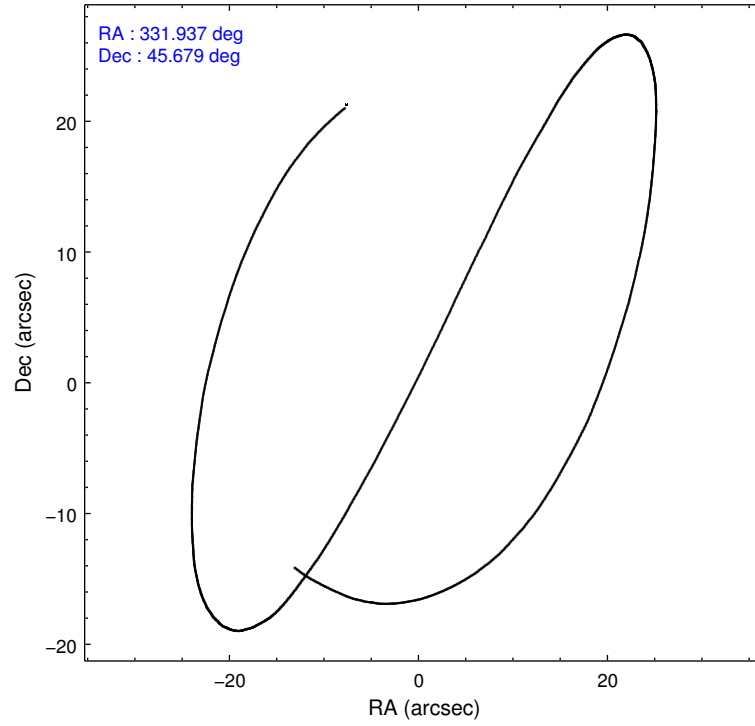
Level 1 Events

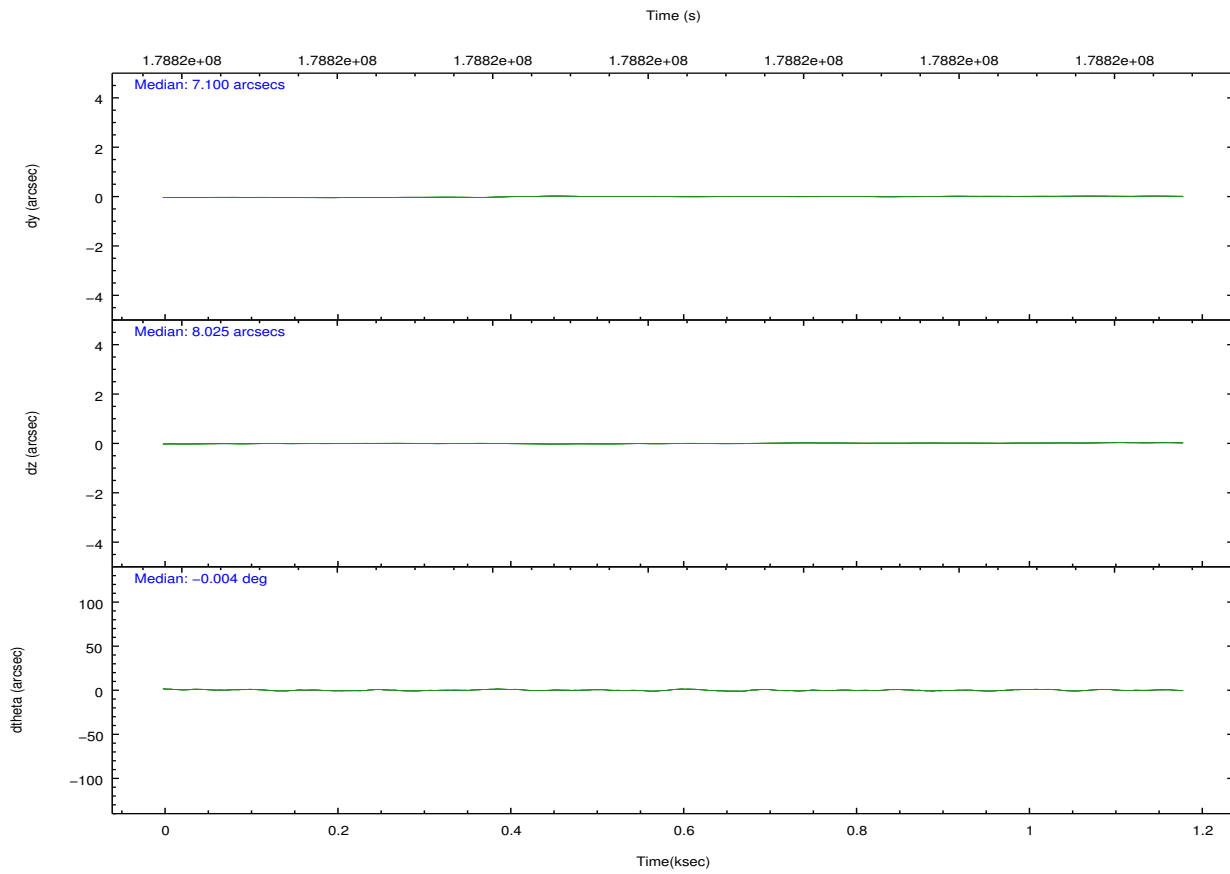
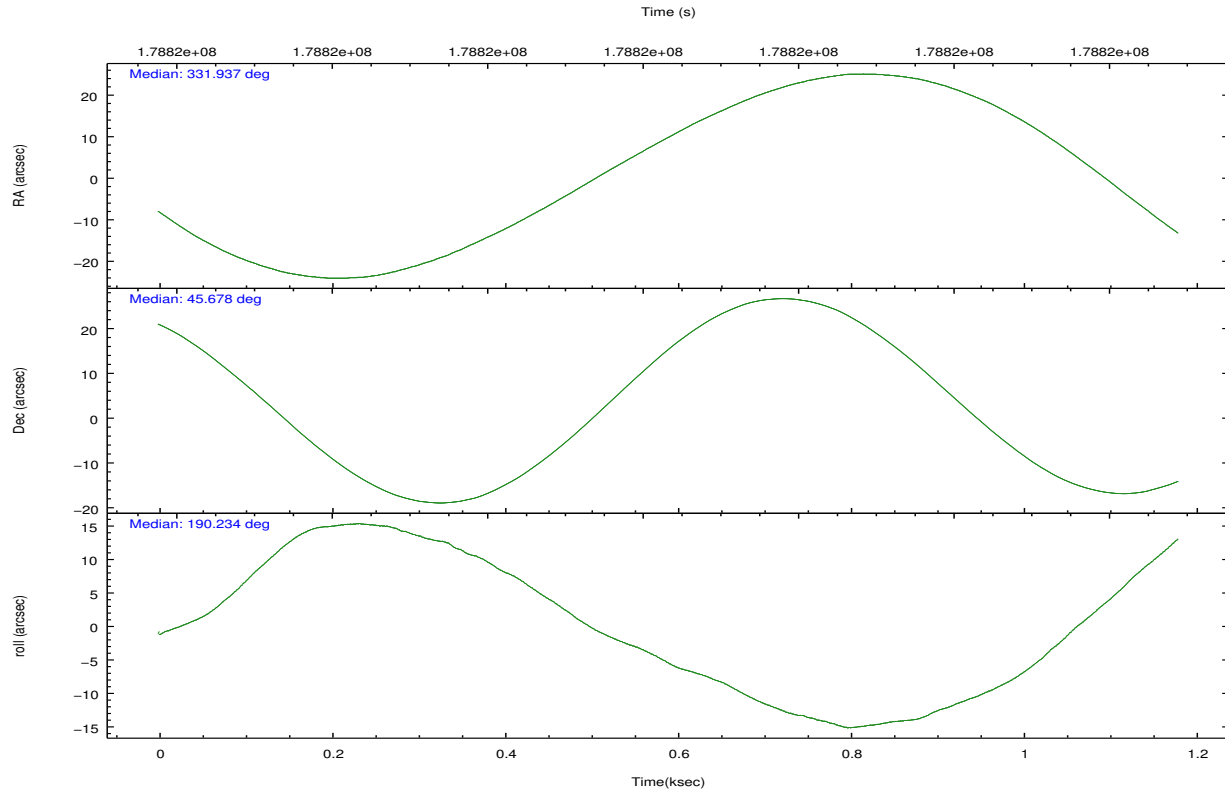
	segment 1	segment 2	segment 3
level 1 events	1004	64048	983
rejected events	1004	14812	983
rejected %	100%	23%	100%

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	331.966651	331.93664171605			
[deg] Pointing Dec	45.699137	45.67892209490703			
[deg] Pointing Roll	190.148700	190.2374746263727			
[s] Window start time (MET)	178804864.184000	178804864.184000			
[s] Window stop time (MET)	181396864.184000	181396864.184000			
[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)	178816018.184000	178815642.6703			
Observation start date	2003-09-01T15:05:54	2003-09-01T15:00:42			
[s] Observation end time (MET)	178817018.184000	178817152.49537			
Observation end date	2003-09-01T15:22:34	2003-09-01T15:25:52			

2.3 Aspect





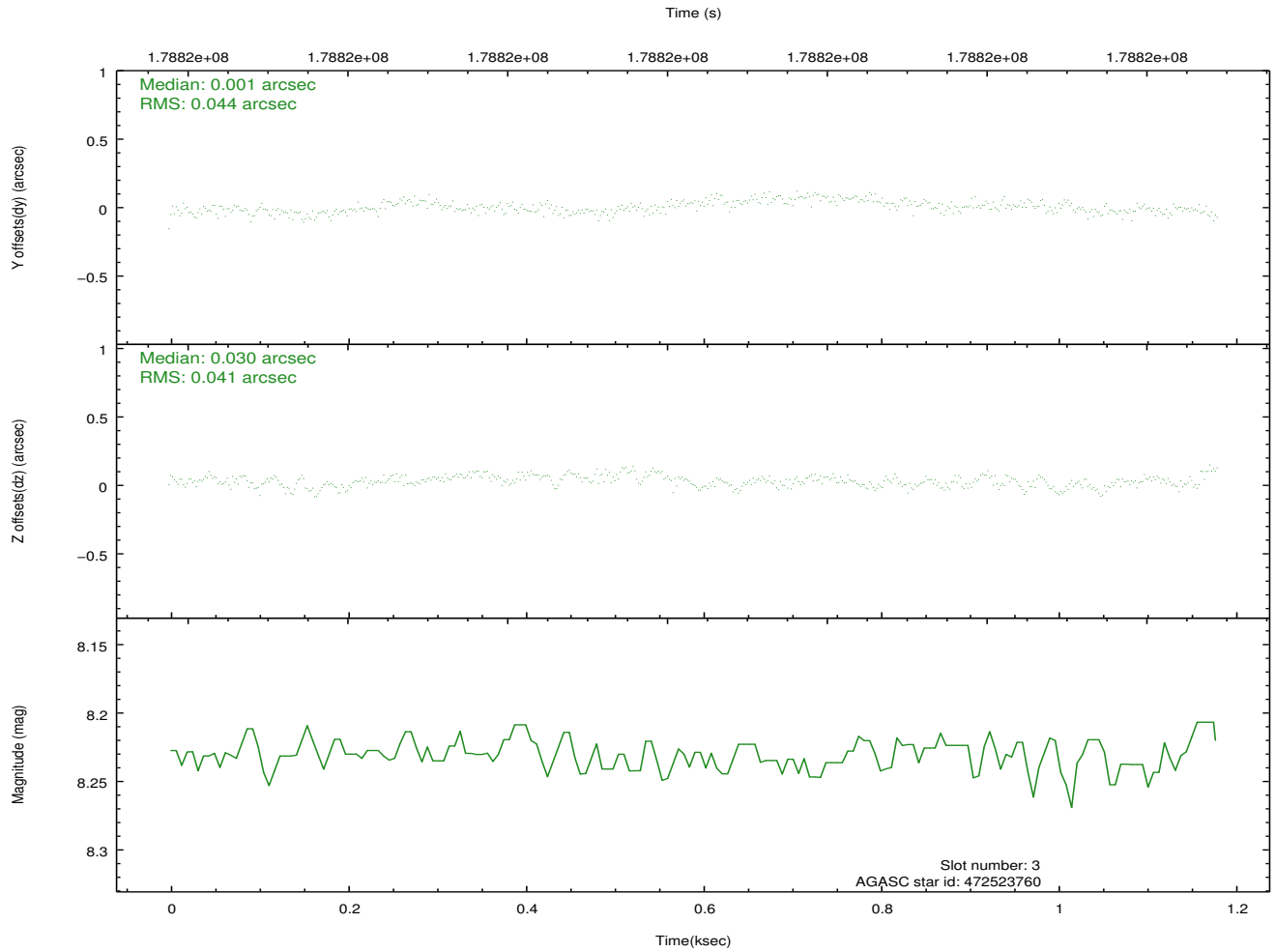
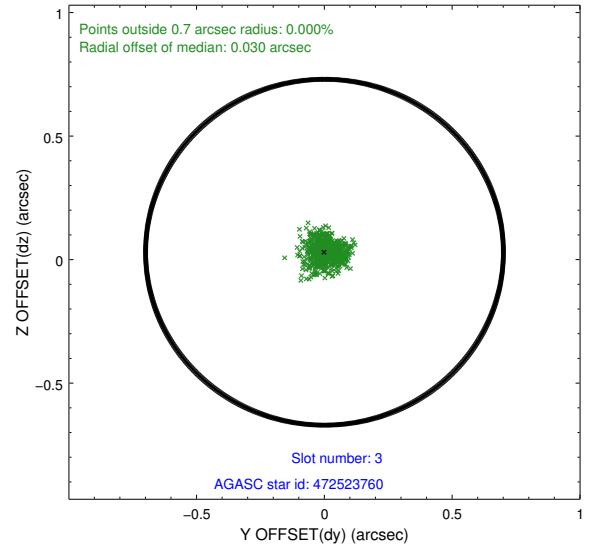
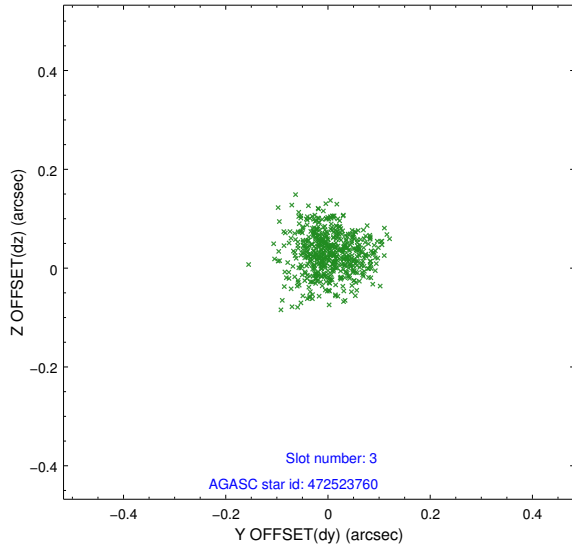
Slot Statistics

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	288	0.122	-0.117	0.007	0.014	0.000000	0.000000	-1161.25	-456.62
1	FID	HRC-S-2	7.02	288	0.156	-0.108	0.004	0.010	0.000000	0.000000	1234.43	-450.82
2	FID	HRC-S-3	7.03	288	0.112	-0.077	0.007	0.013	0.000000	0.000000	-1159.70	571.39
3	GUIDE	472523760	8.23	577	0.001	0.030	0.065	0.101	331.645363	45.403260	986.23	901.68
4	GUIDE	472527720	6.99	577	-0.124	-0.048	0.074	0.118	331.460205	45.112509	1638.93	1847.53
5	GUIDE	472654568	9.45	577	-0.010	-0.163	0.106	0.172	332.194449	45.063576	-165.03	2354.29
6	GUIDE	472655152	9.44	575	0.058	0.080	0.090	0.142	332.504239	45.862991	-1432.09	-345.67
7	GUIDE	472659832	9.46	576	0.056	0.080	0.101	0.168	332.780399	46.098139	-2257.43	-1069.06

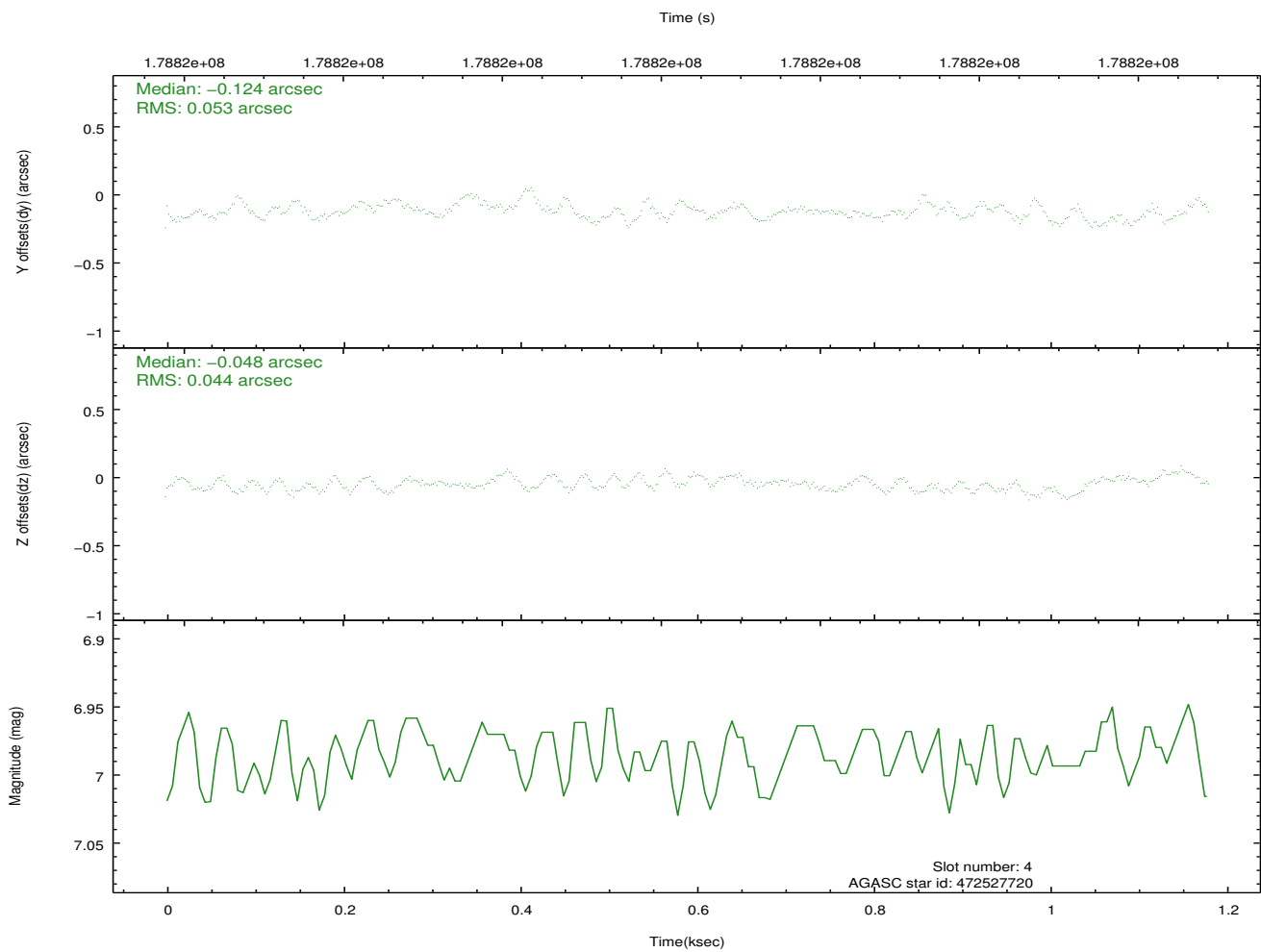
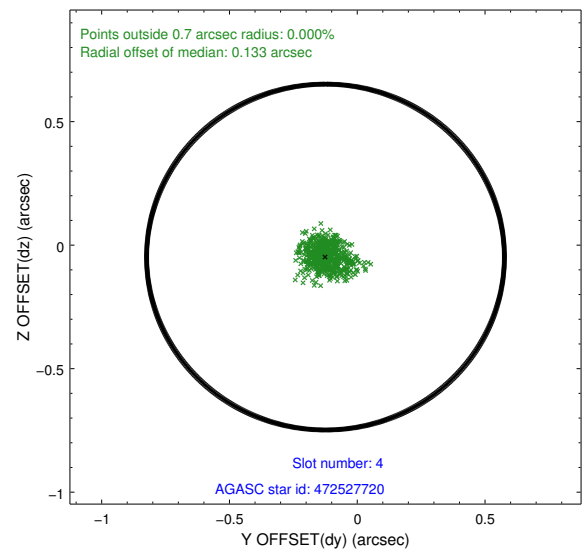
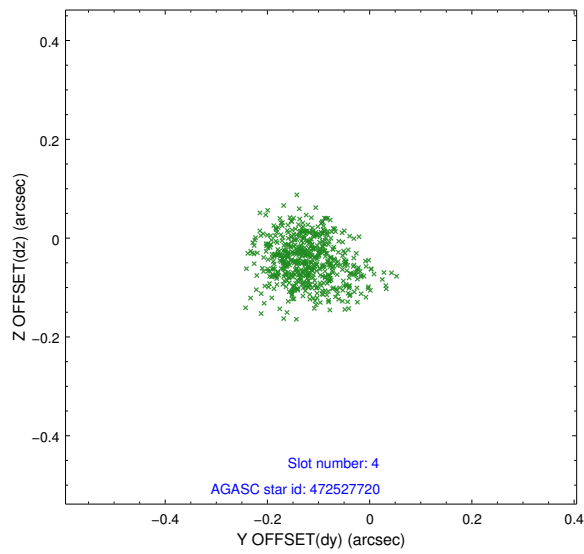
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2.4 Star Slots

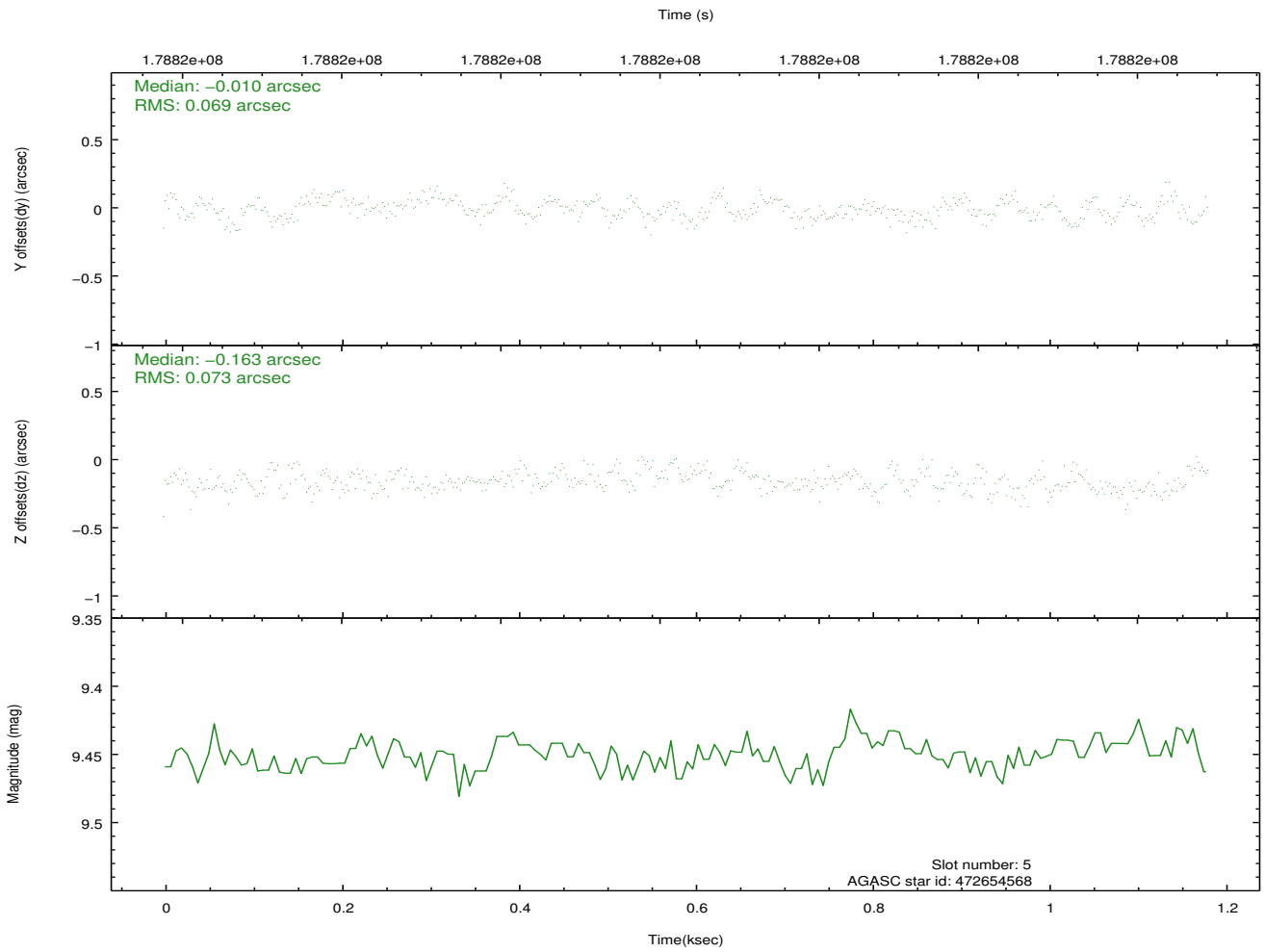
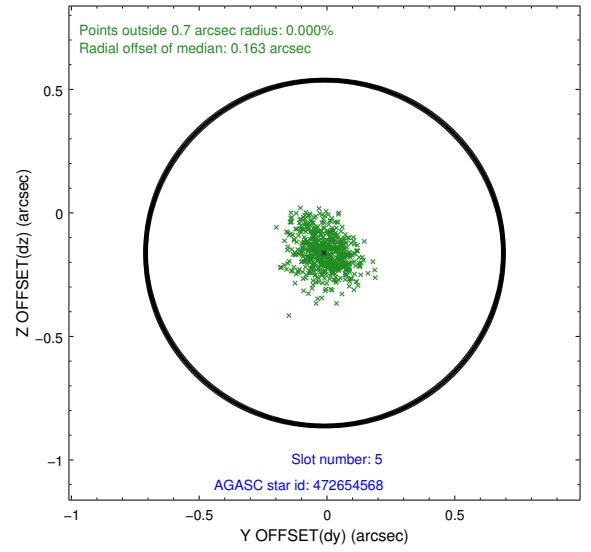
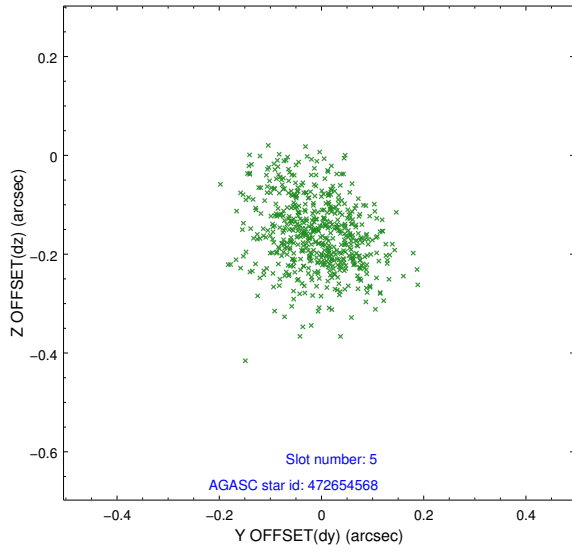
2.4.1 Slot 3



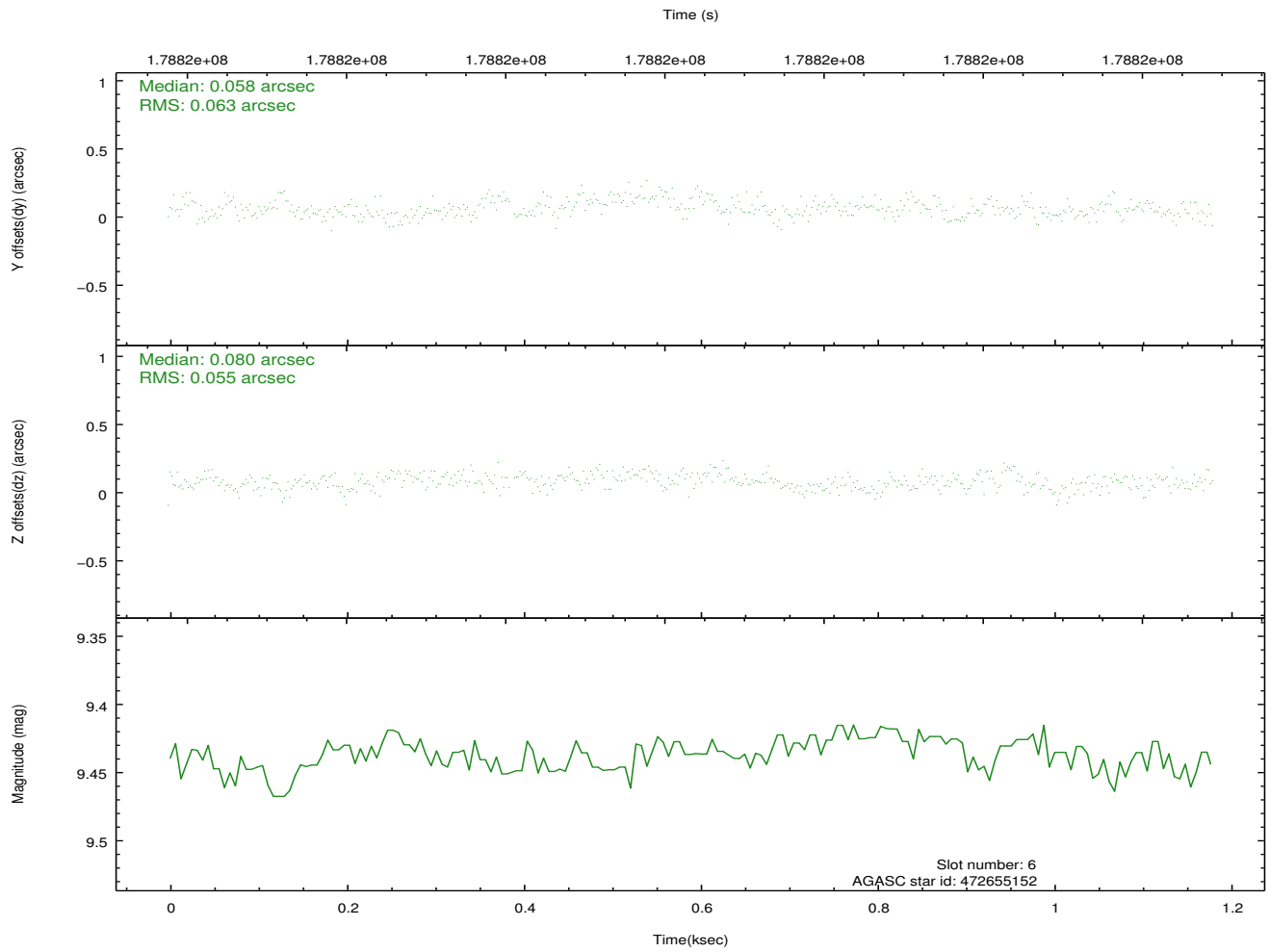
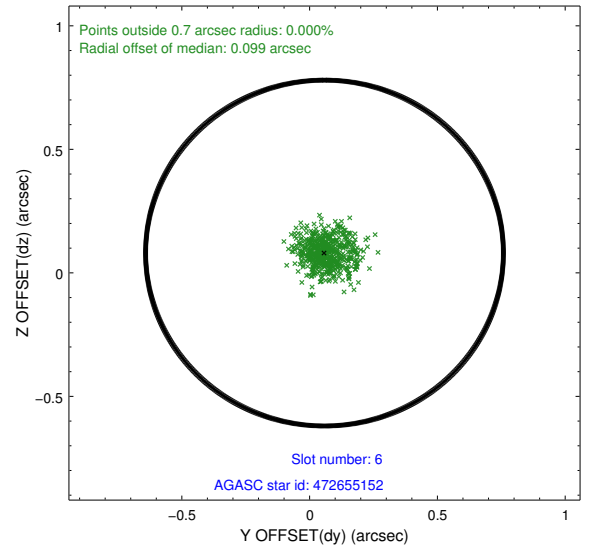
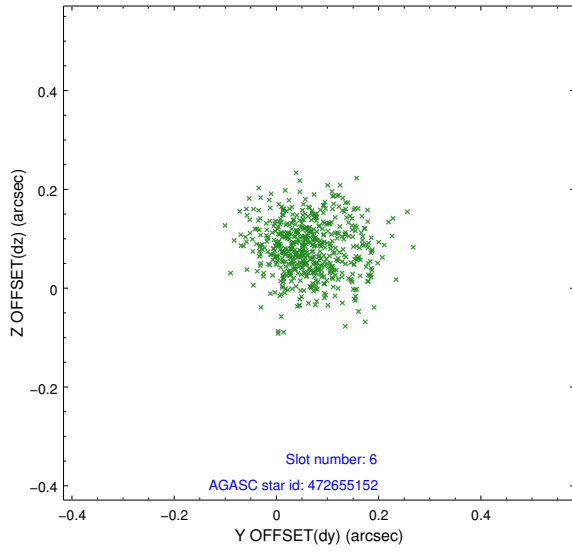
2.4.2 Slot 4



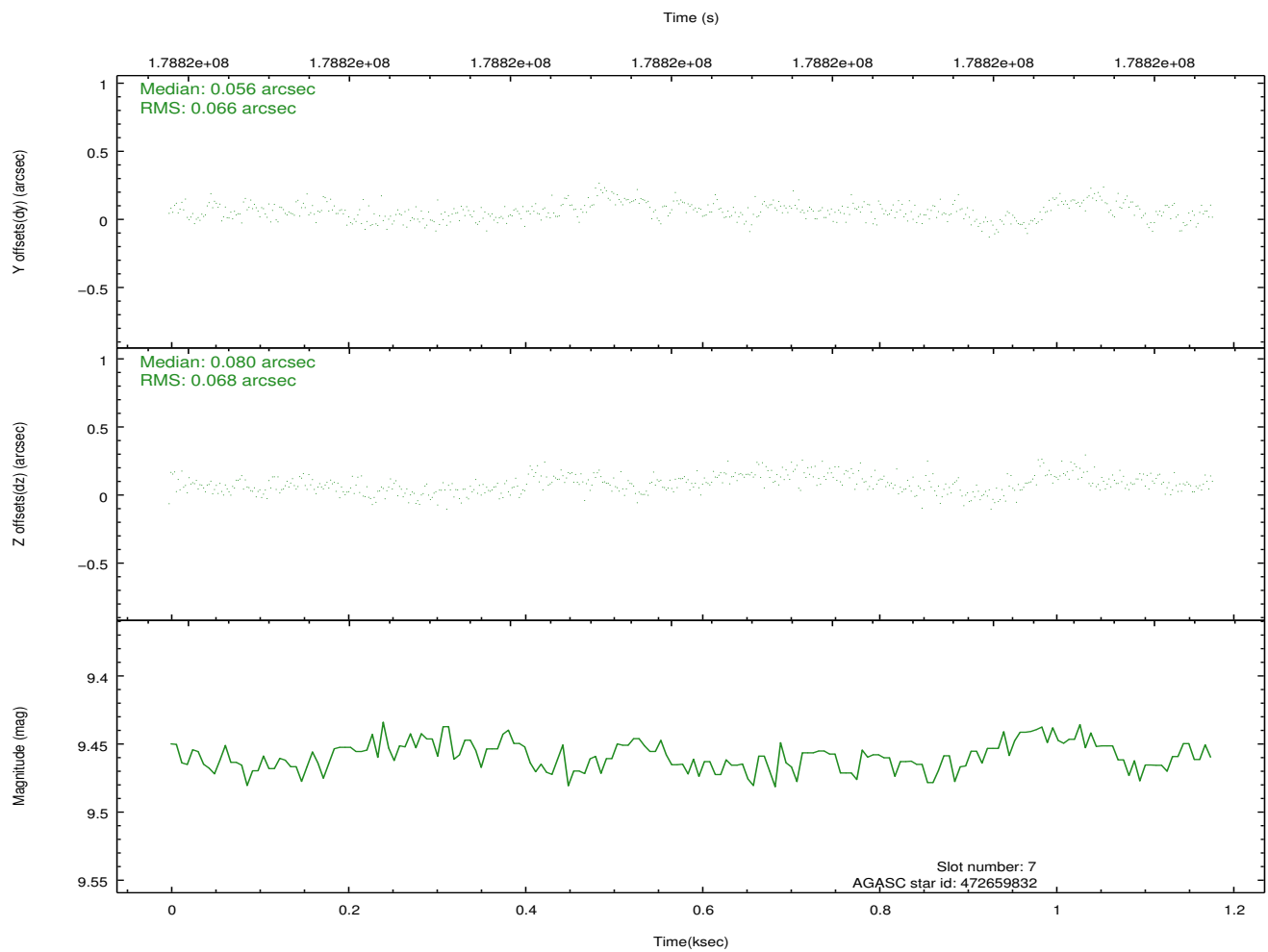
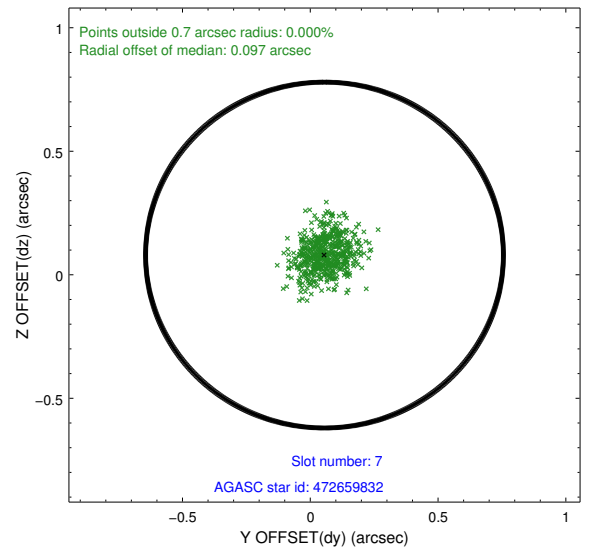
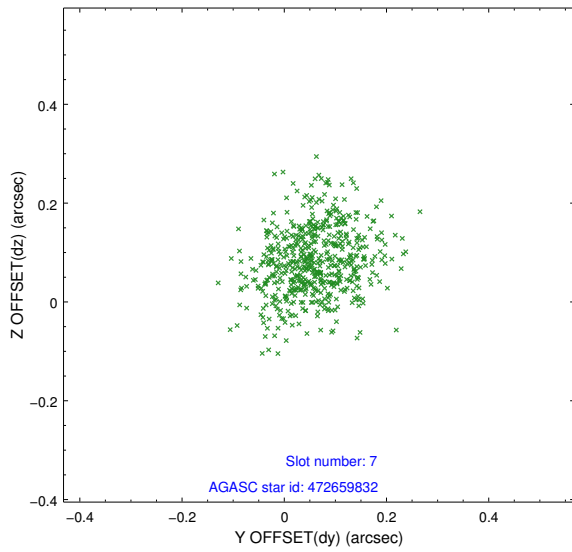
2.4.3 Slot 5



2.4.4 Slot 6

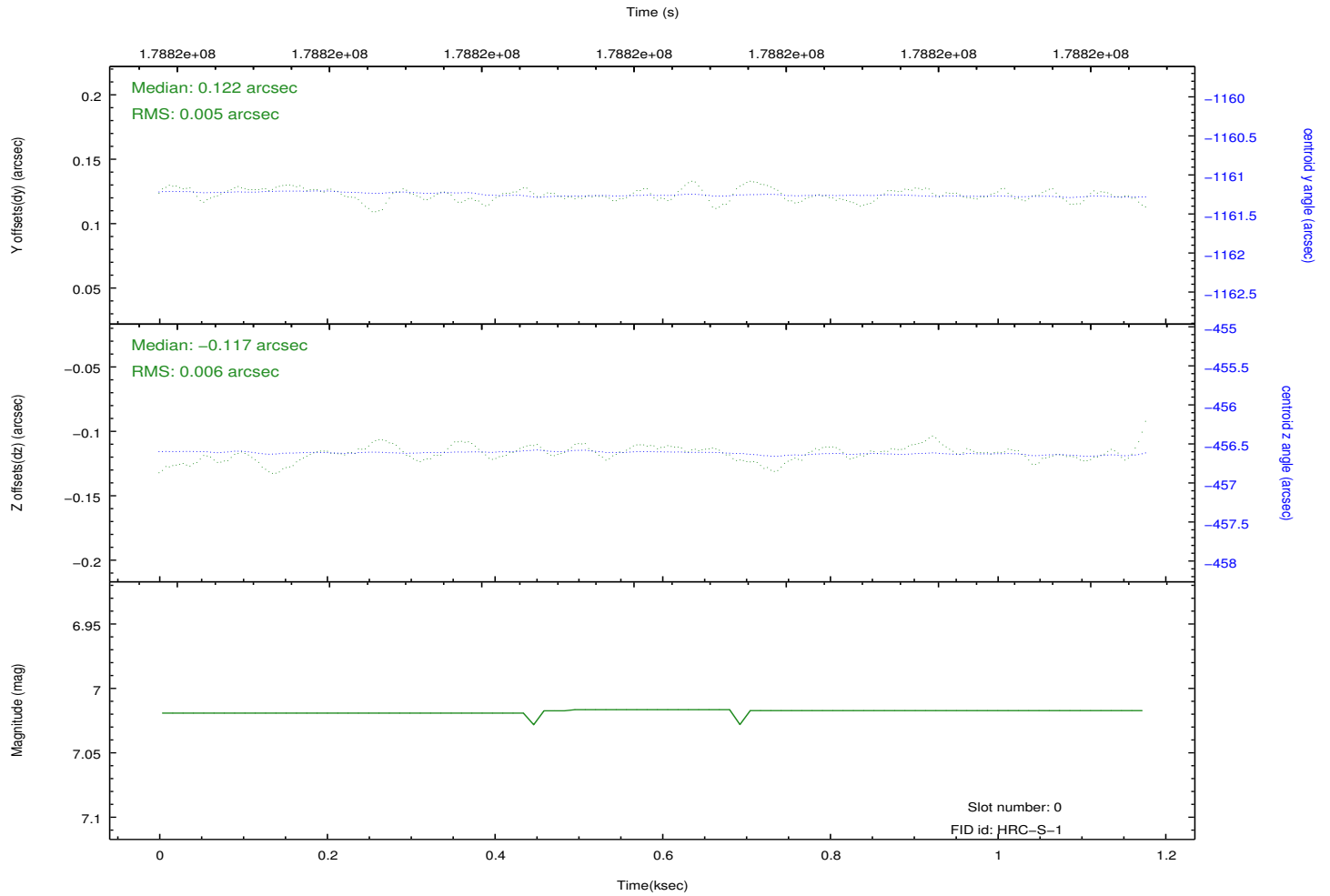
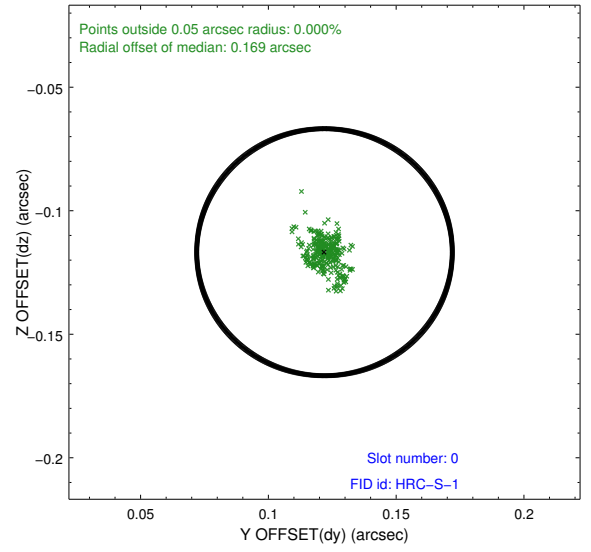
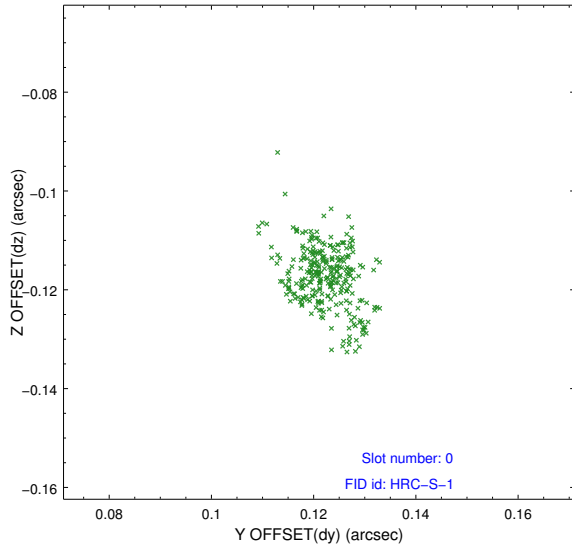


2.4.5 Slot 7

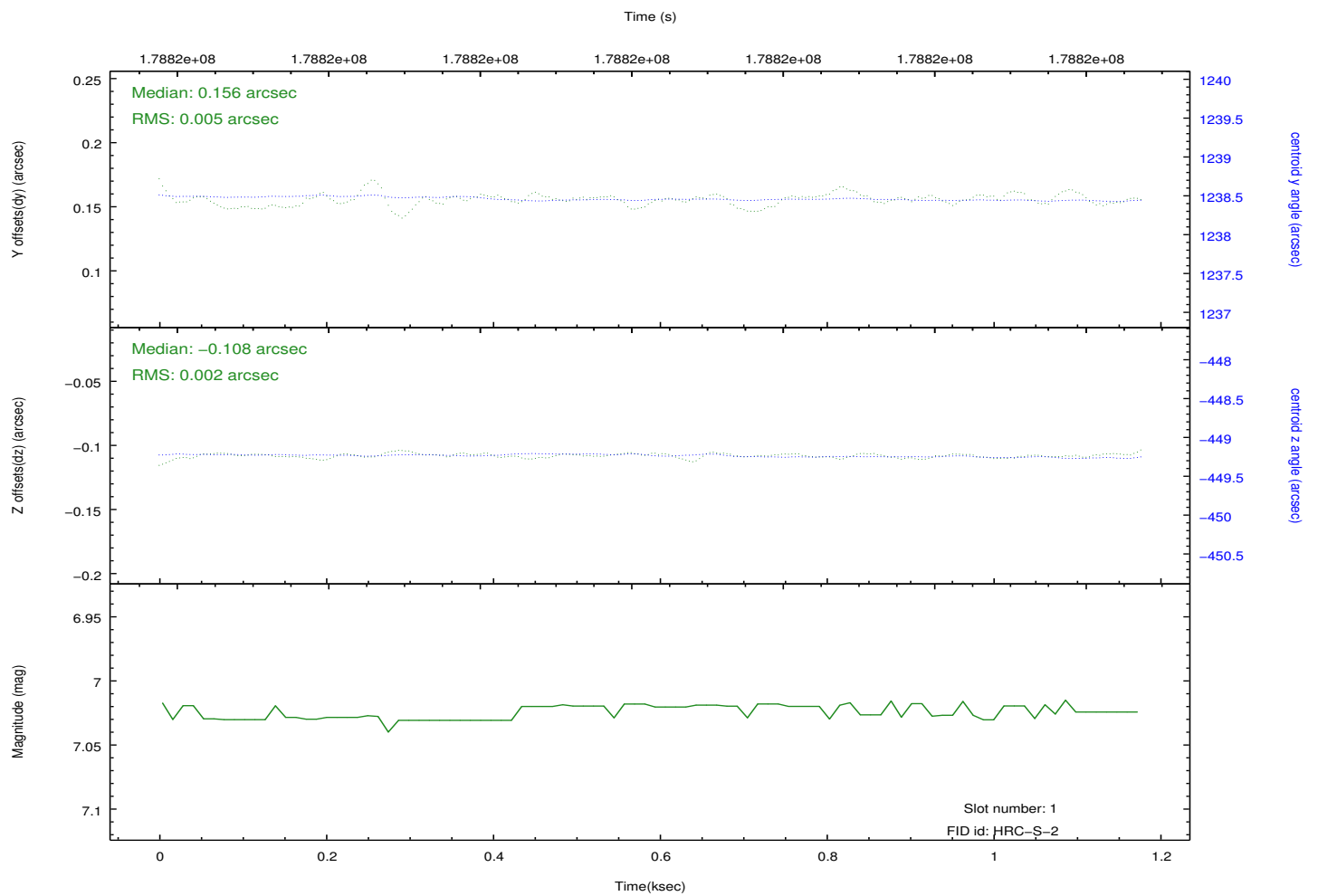
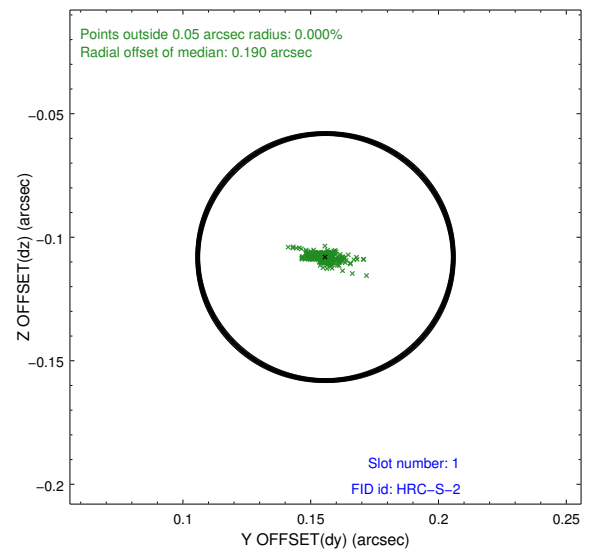
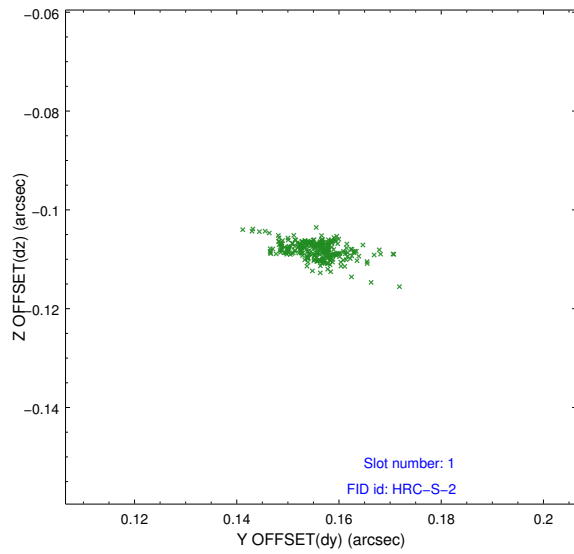


2.5 FID Slots

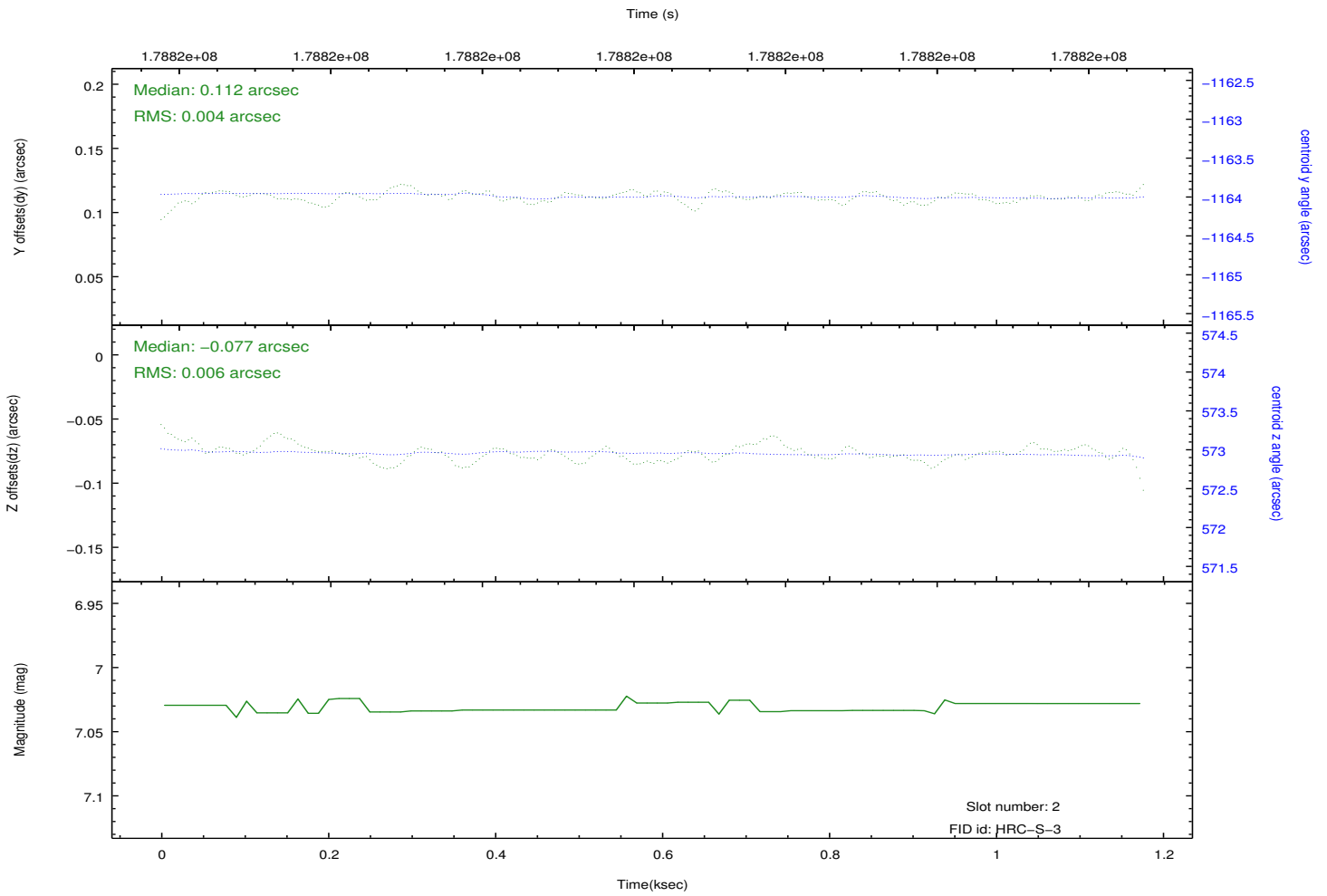
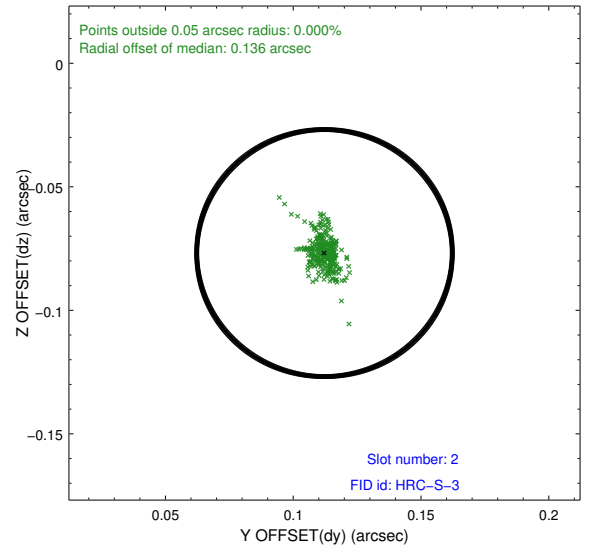
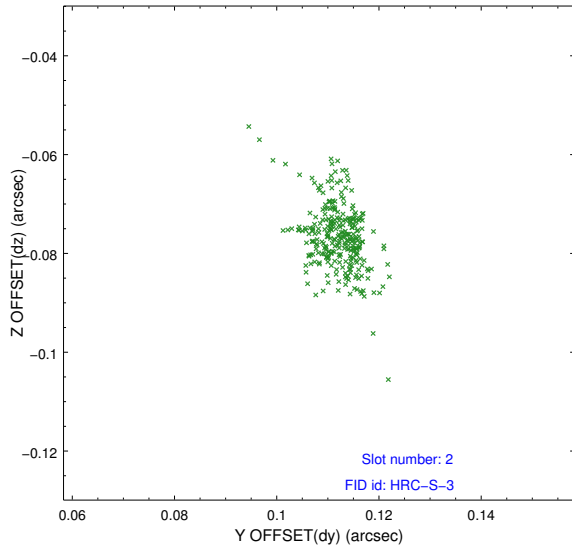
2.5.1 Slot 0



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

Window constraint satisfied.