

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4349 - L2 Version 3
Chandra X-Ray Center

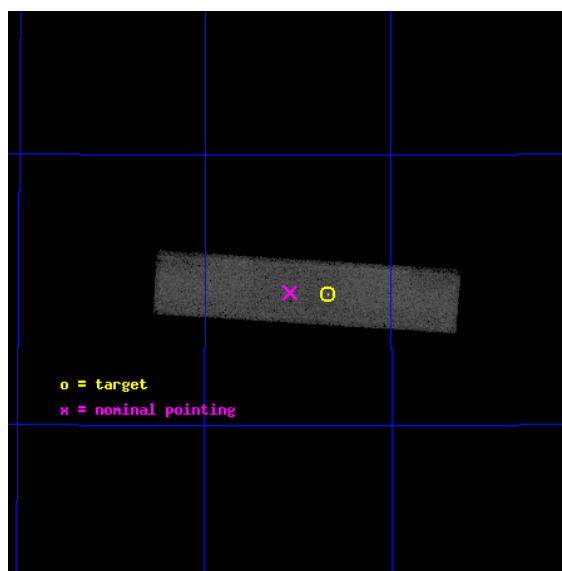
L2 Processing Date : Oct 23 2012

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1 Front

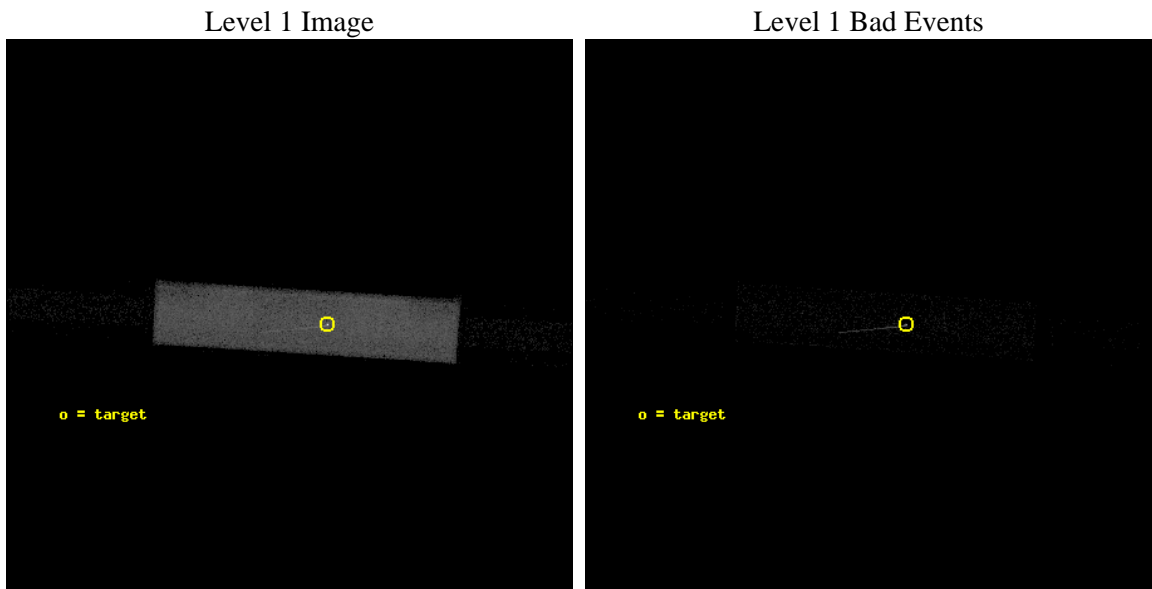
seq_num	290309	Sequence number
obs_id	4349	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.27214879171	Nominal RA [deg]
dec_nom	45.745438162416	Nominal Dec [deg]
roll_nom	3.5360955871506	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062980592	[s]
livetime	1126.9094769052	Ontime multiplied by DTCOR
l2events	85272	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	119217	Number of level 1 events
date	2012-10-23T09:26:14	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

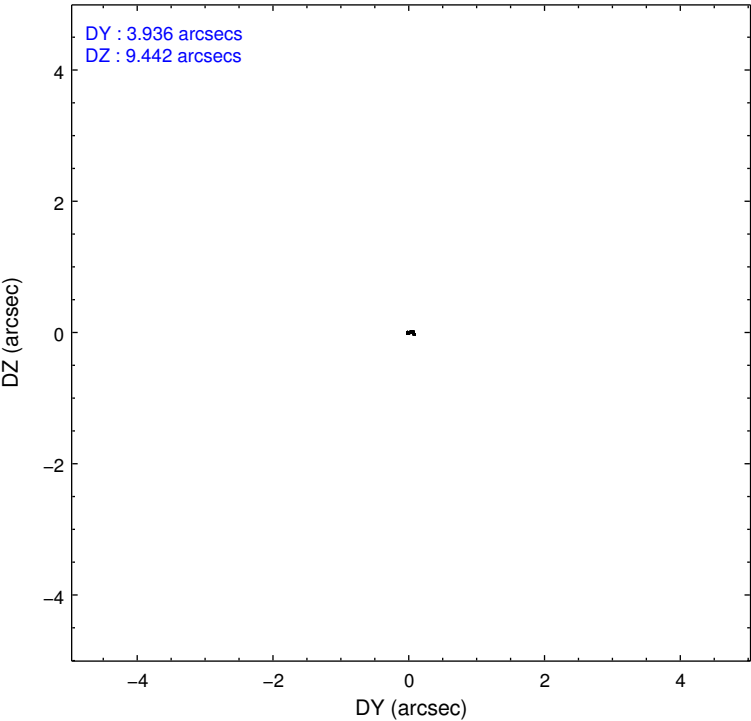
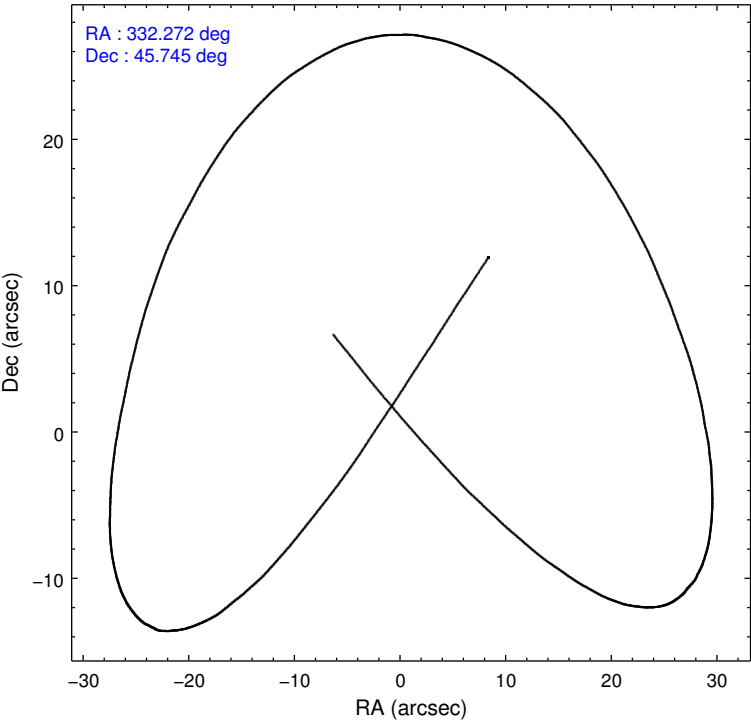
Level 1 Events

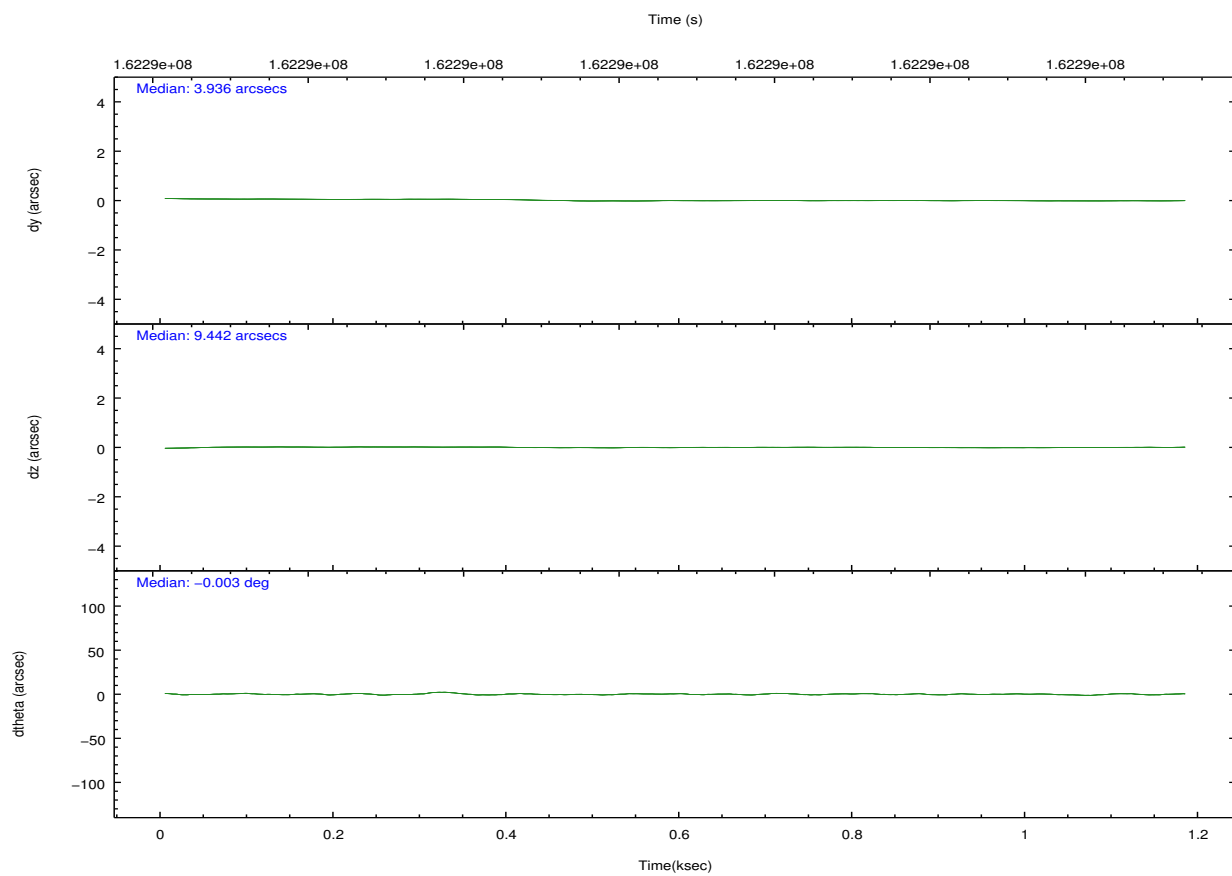
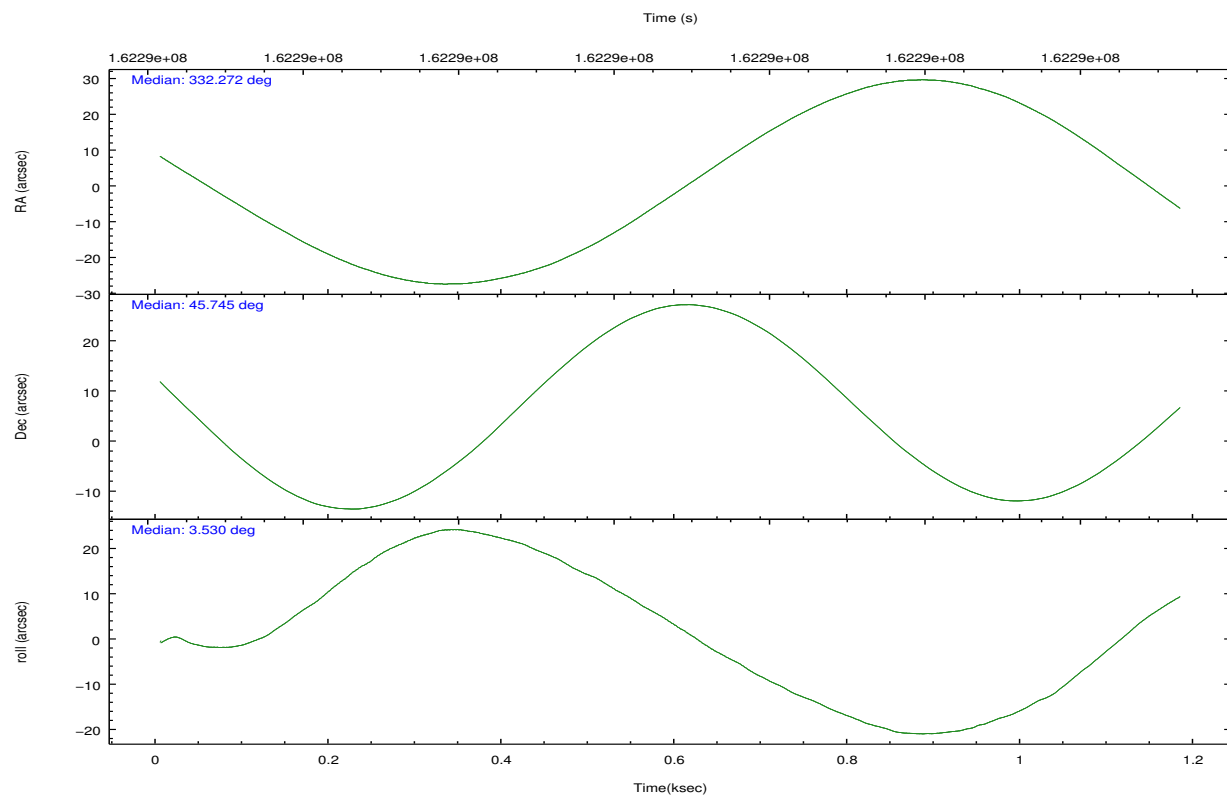
	segment 1	segment 2	segment 3
level 1 events	1716	115861	1640
rejected events	1716	20613	1640
rejected %	100%	17%	100%

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	332.239070	332.2721487917137			
[deg] Pointing Dec	45.729570	45.74543816241628			
[deg] Pointing Roll	3.492456	3.536095587150577			
[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)	162287465.184000	162287089.54428			
Observation start date	2003-02-22T07:50:01	2003-02-22T07:44:49			
[s] Observation end time (MET)	162288465.184000	162288599.36935			
Observation end date	2003-02-22T08:06:41	2003-02-22T08:09:59			

2.3 Aspect



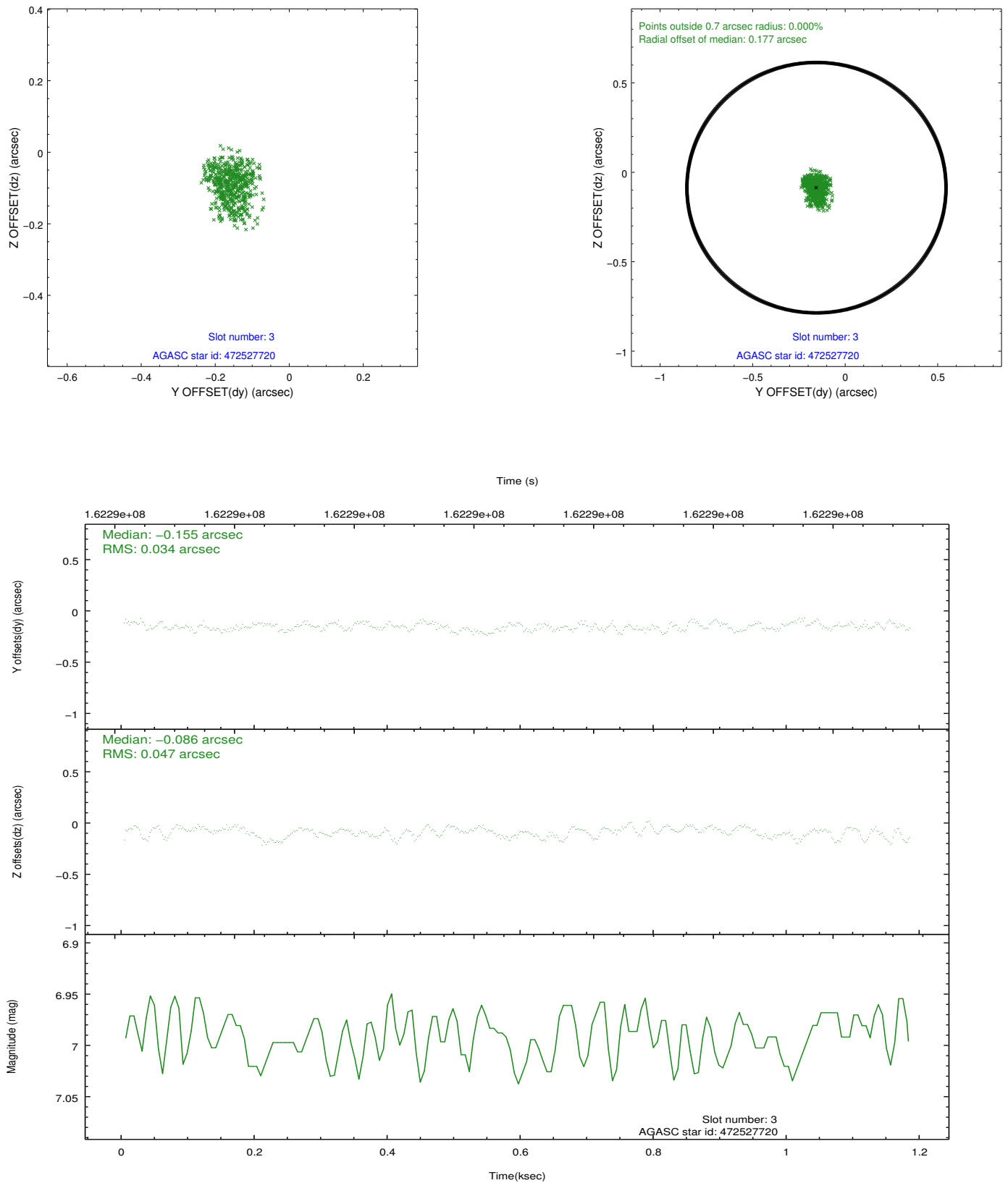


Slot Statistics

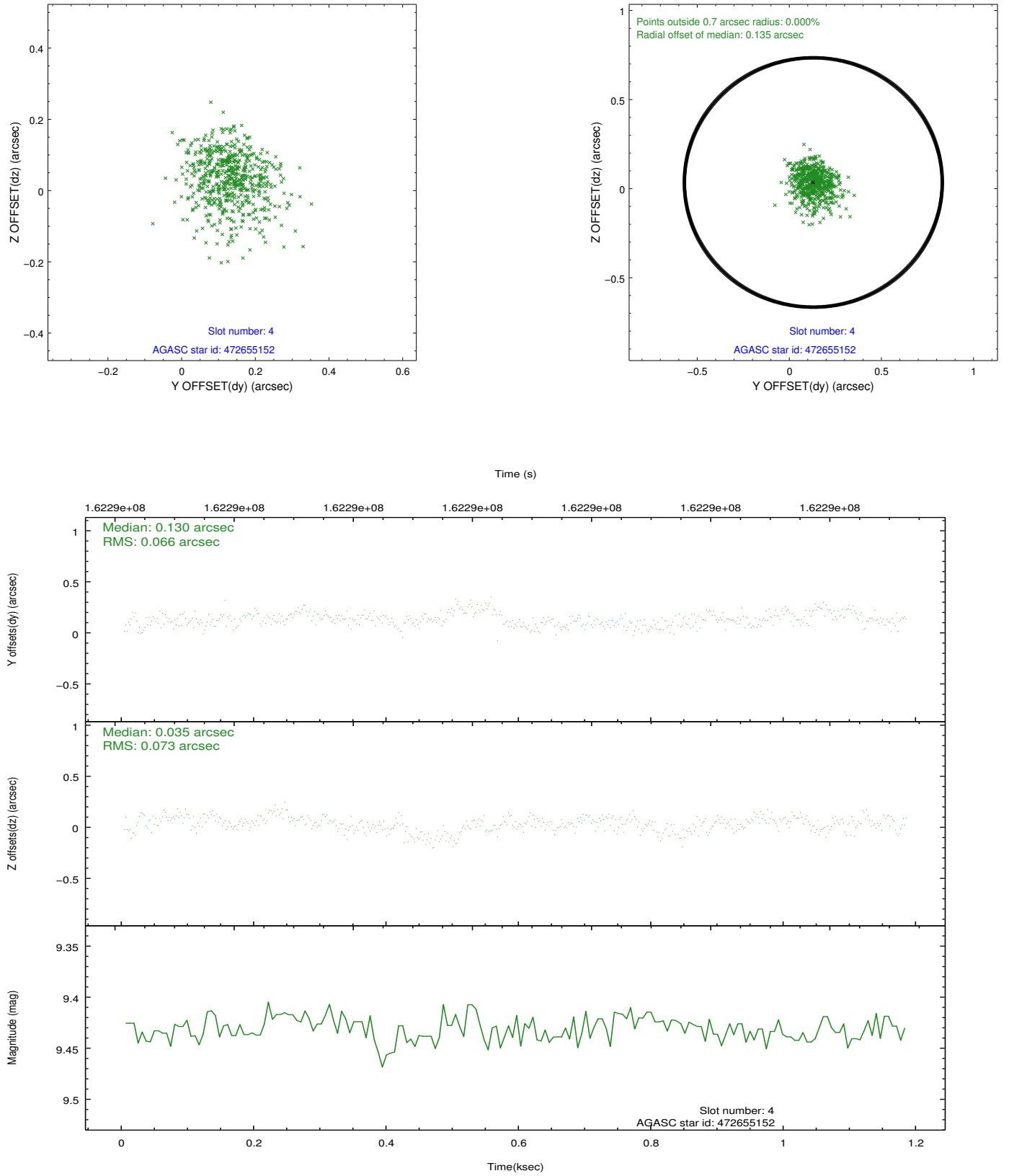
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	289	0.158	-0.183	0.007	0.012	0.000000	0.000000	-1157.99	-458.11
1	FID	HRC-S-2	6.99	288	0.078	-0.090	0.004	0.009	0.000000	0.000000	1237.59	-452.28
2	FID	HRC-S-3	7.02	288	0.154	-0.028	0.006	0.011	0.000000	0.000000	-1156.41	570.01
3	GUIDE	472527720	6.99	577	-0.155	-0.086	0.062	0.098	331.460205	45.112509	-2109.73	-2083.41
4	GUIDE	472655152	9.43	576	0.130	0.035	0.102	0.174	332.504239	45.862991	689.44	440.64
5	GUIDE	472659832	9.46	577	0.048	0.074	0.105	0.174	332.780399	46.098139	1431.16	1251.80
6	GUIDE	472533912	9.18	577	-0.034	-0.035	0.125	0.188	331.791136	46.368695	-968.04	2373.68
7	GUIDE	472654568	9.44	575	0.013	0.032	0.109	0.186	332.194449	45.063576	-260.60	-2377.87

2.4 Star Slots

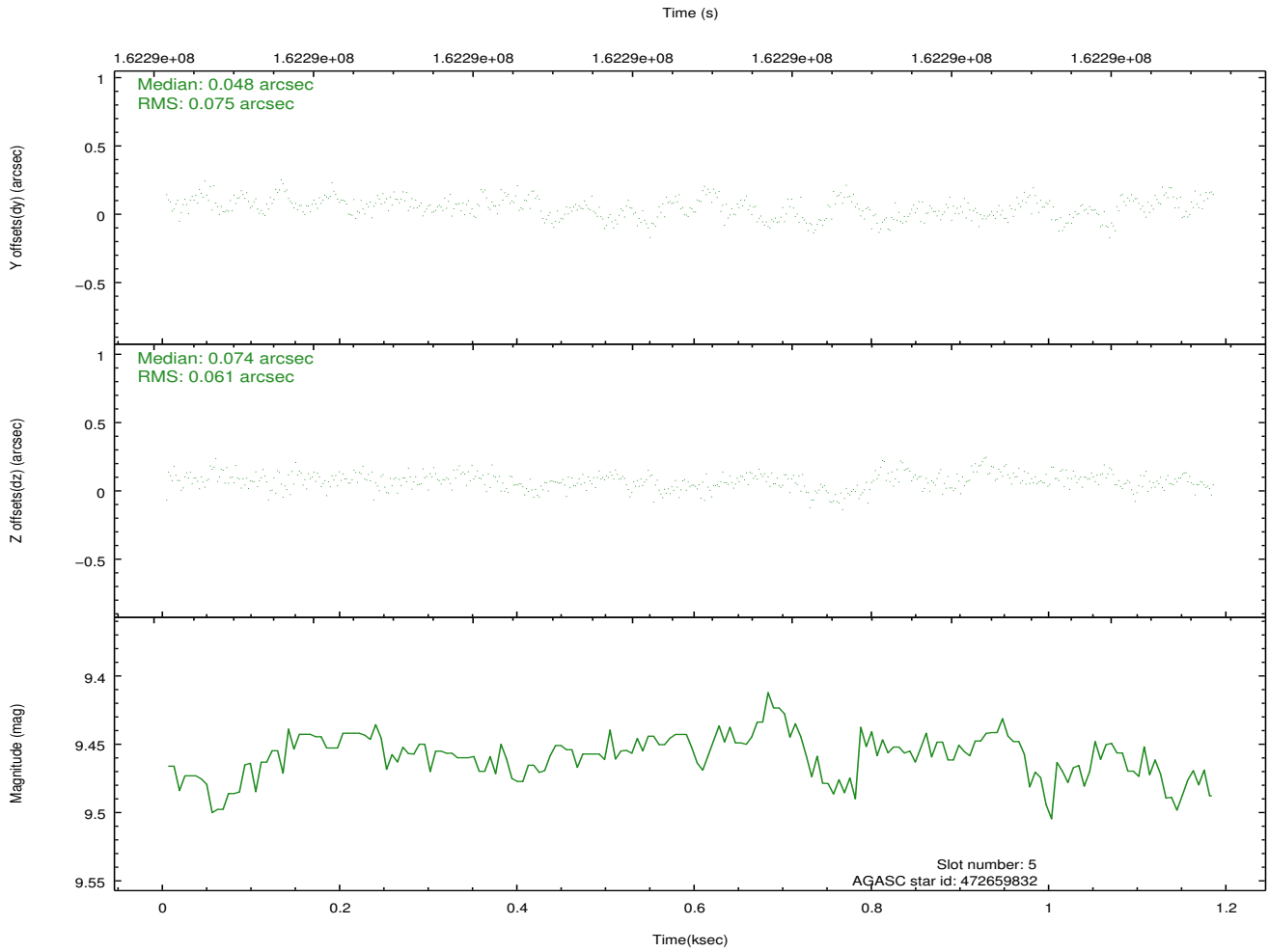
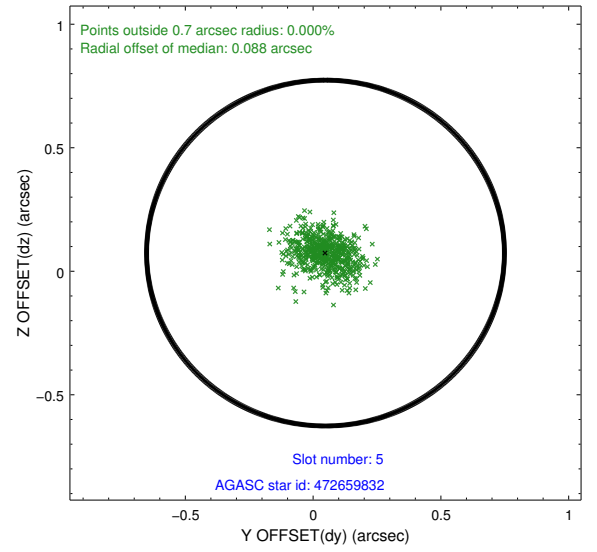
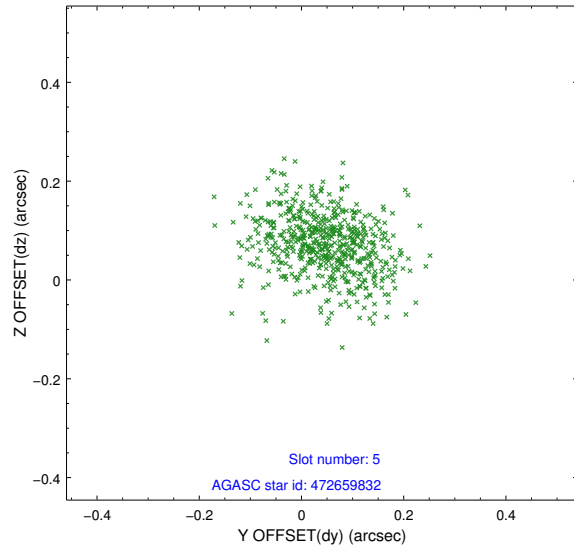
2.4.1 Slot 3



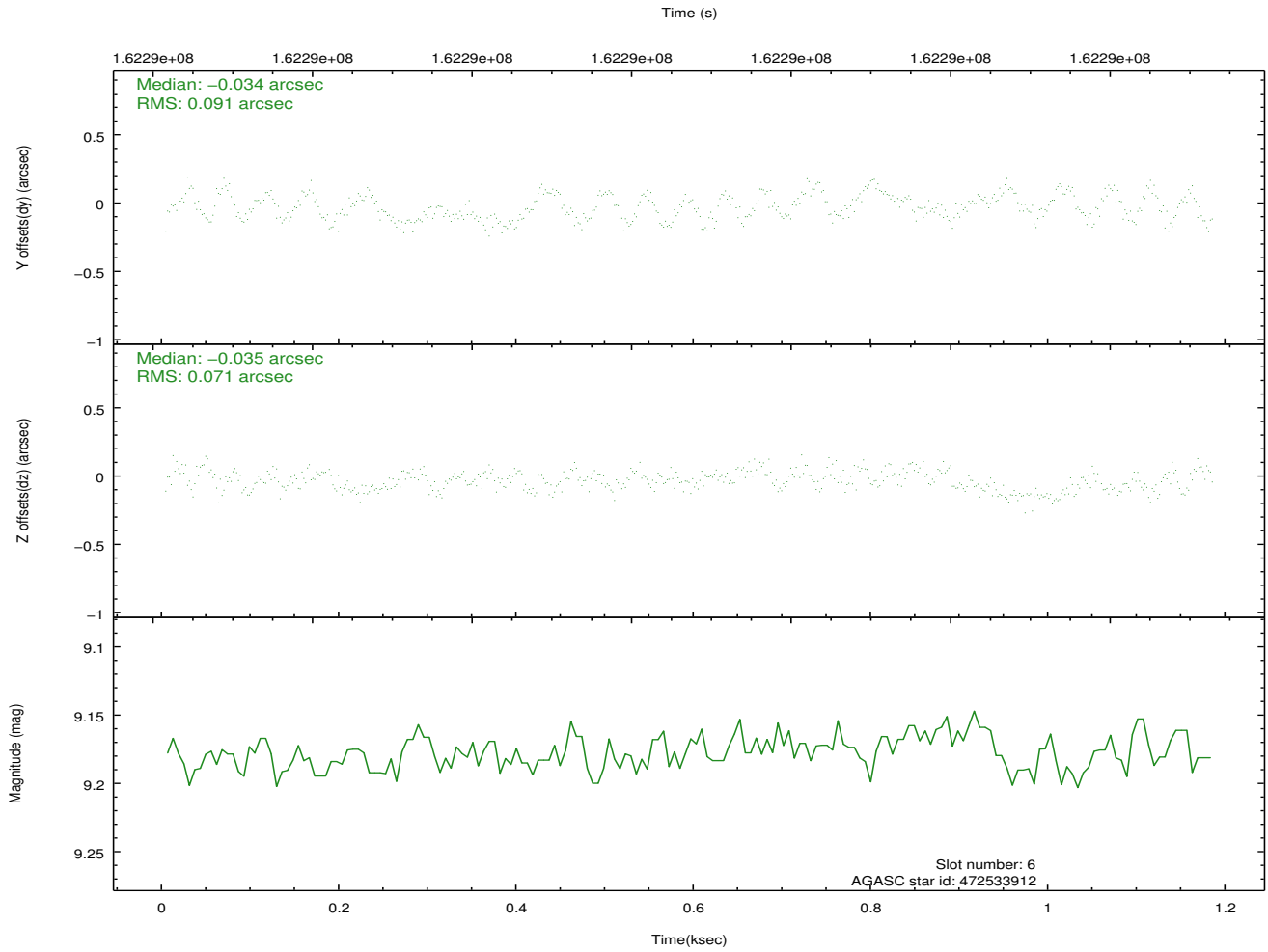
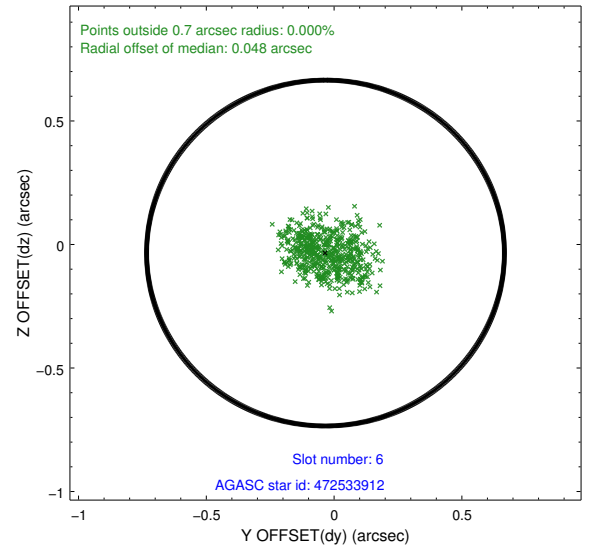
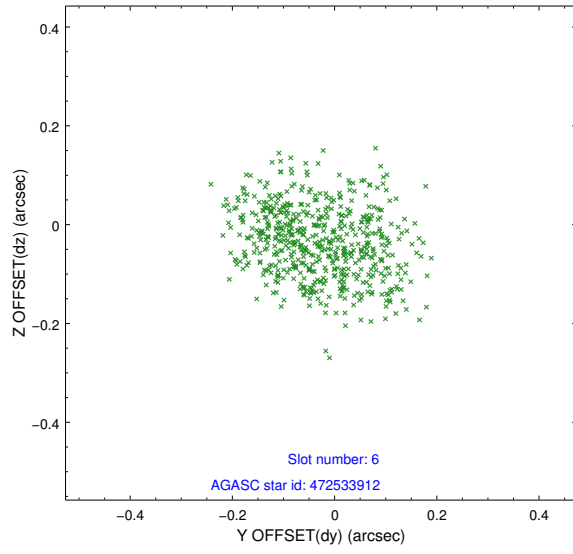
2.4.2 Slot 4



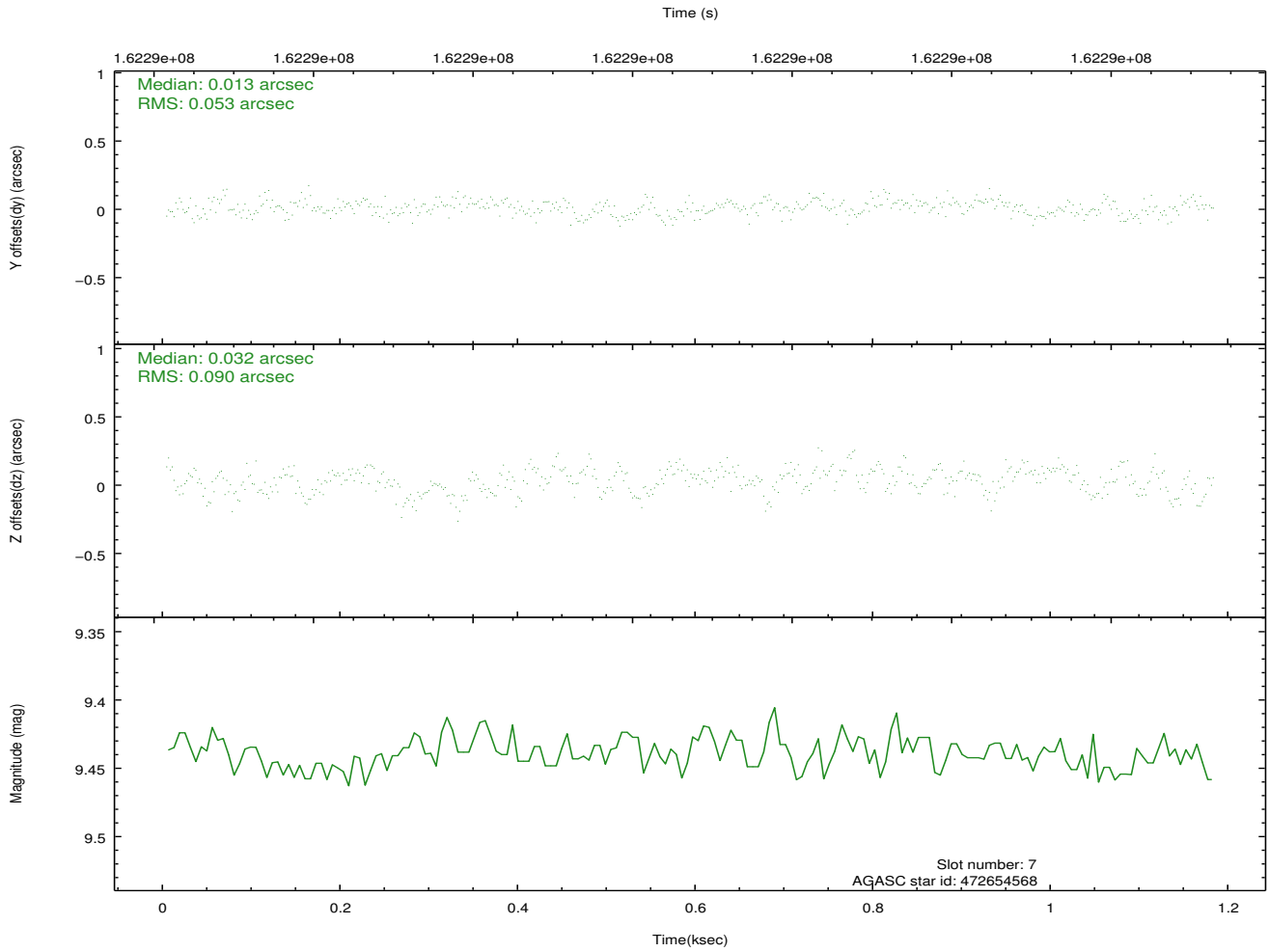
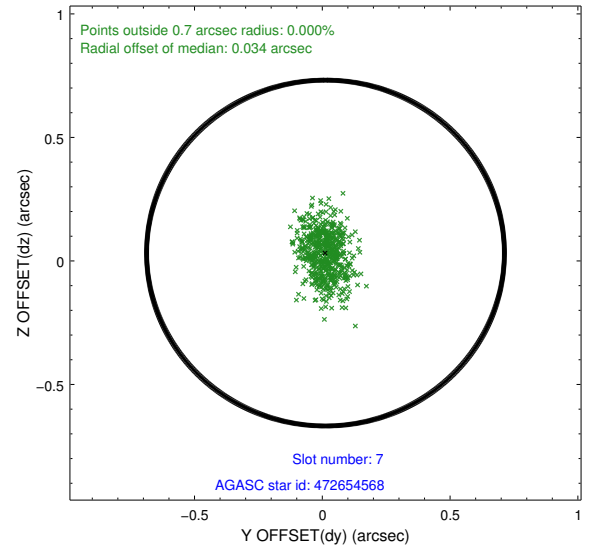
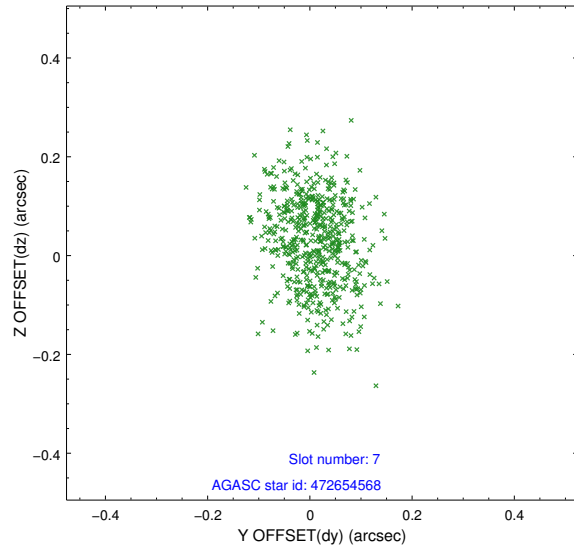
2.4.3 Slot 5



2.4.4 Slot 6

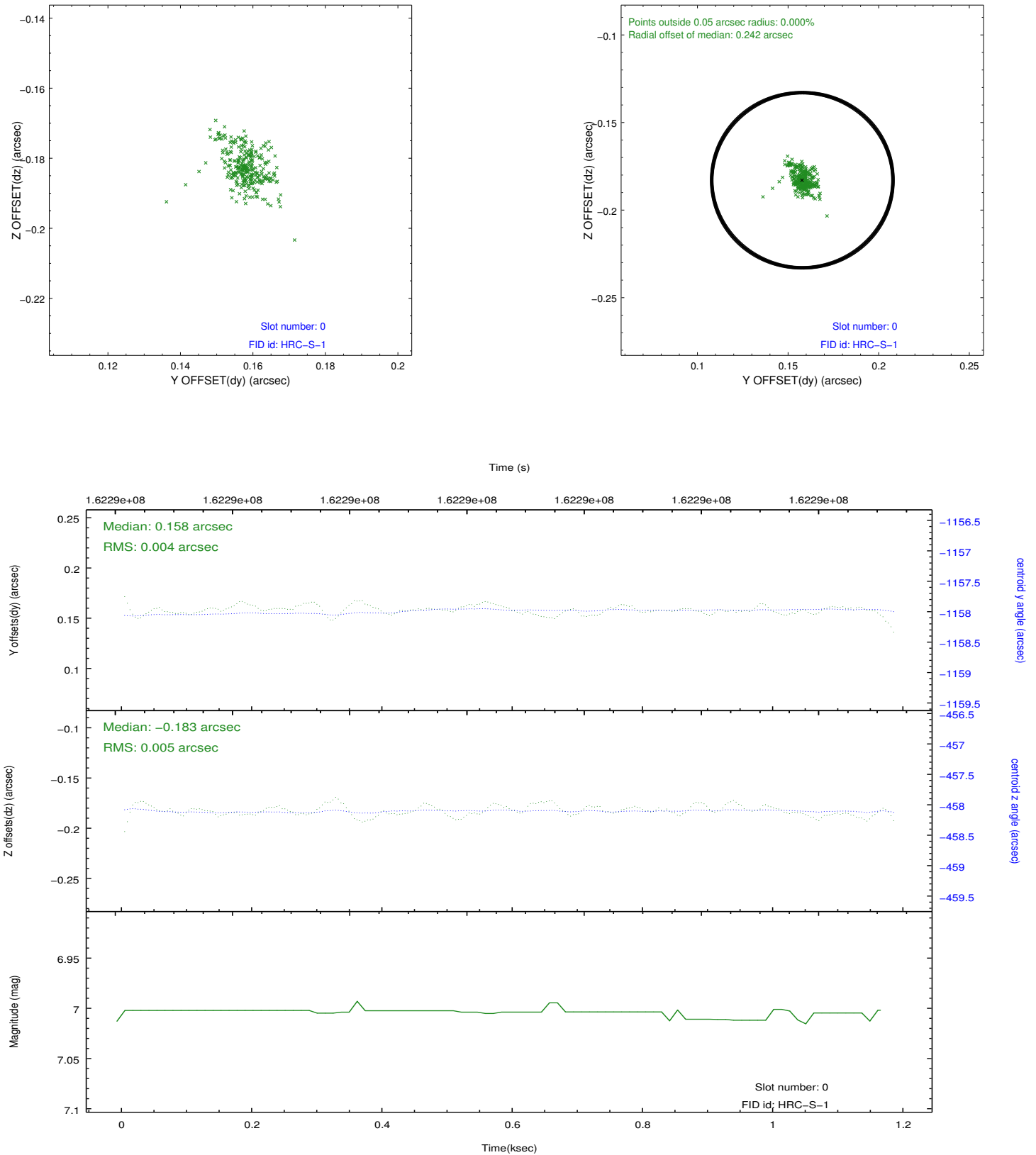


2.4.5 Slot 7

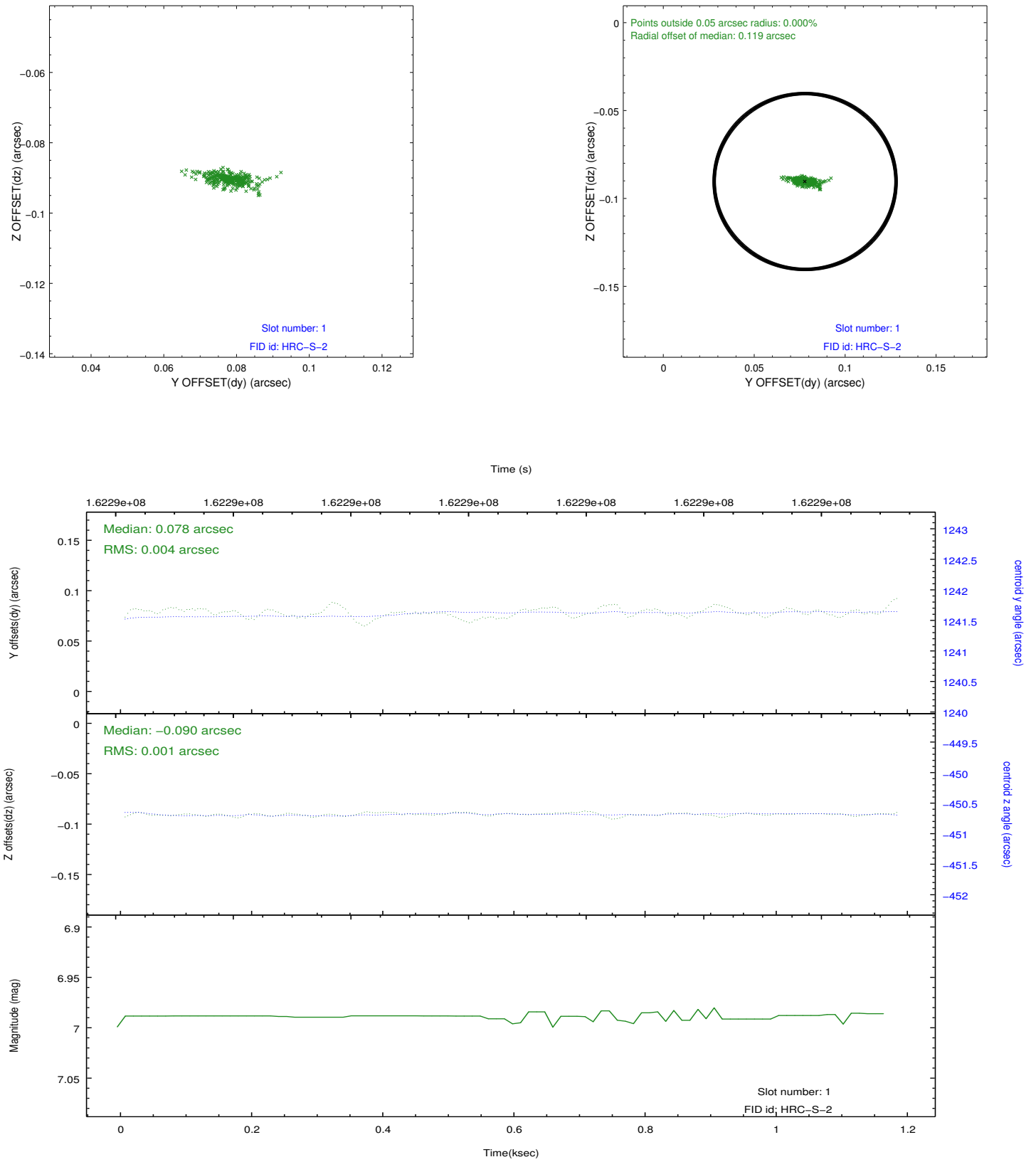


2.5 FID Slots

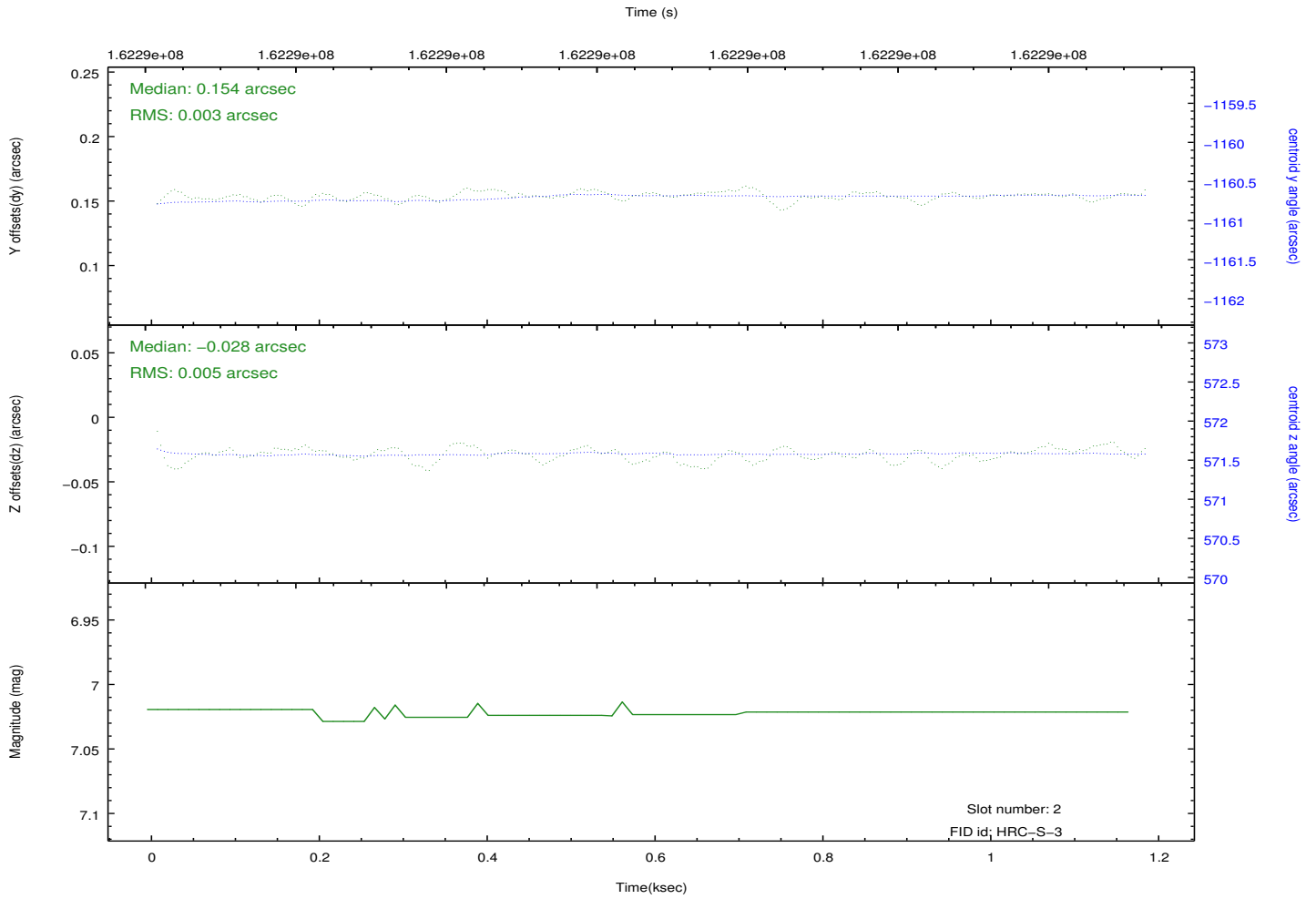
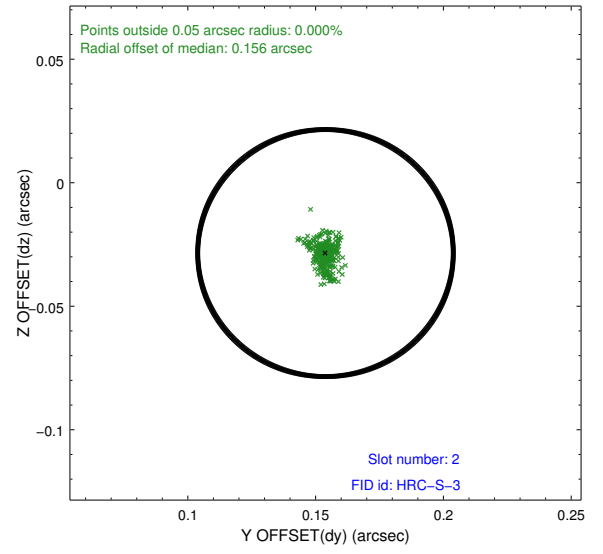
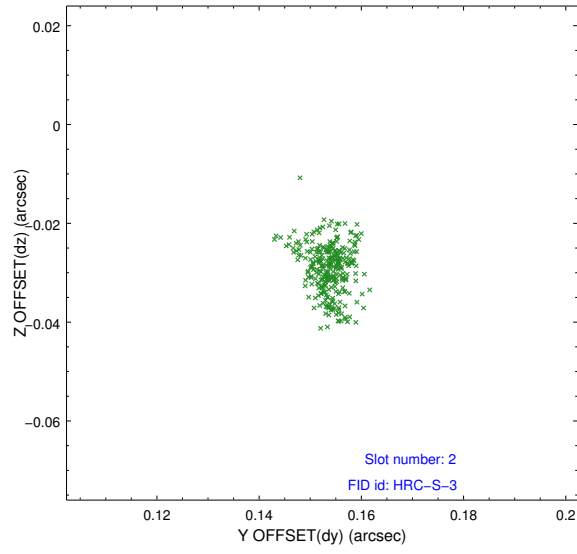
2.5.1 Slot 0



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