

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2662 - L2 Version 3
Chandra X-Ray Center

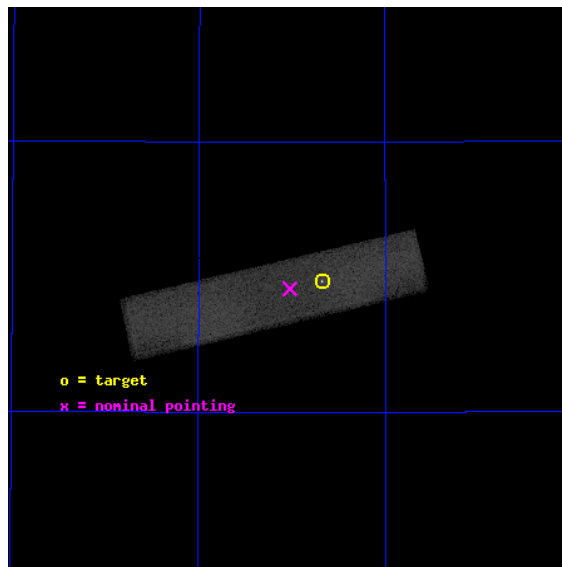
L2 Processing Date : Oct 13 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

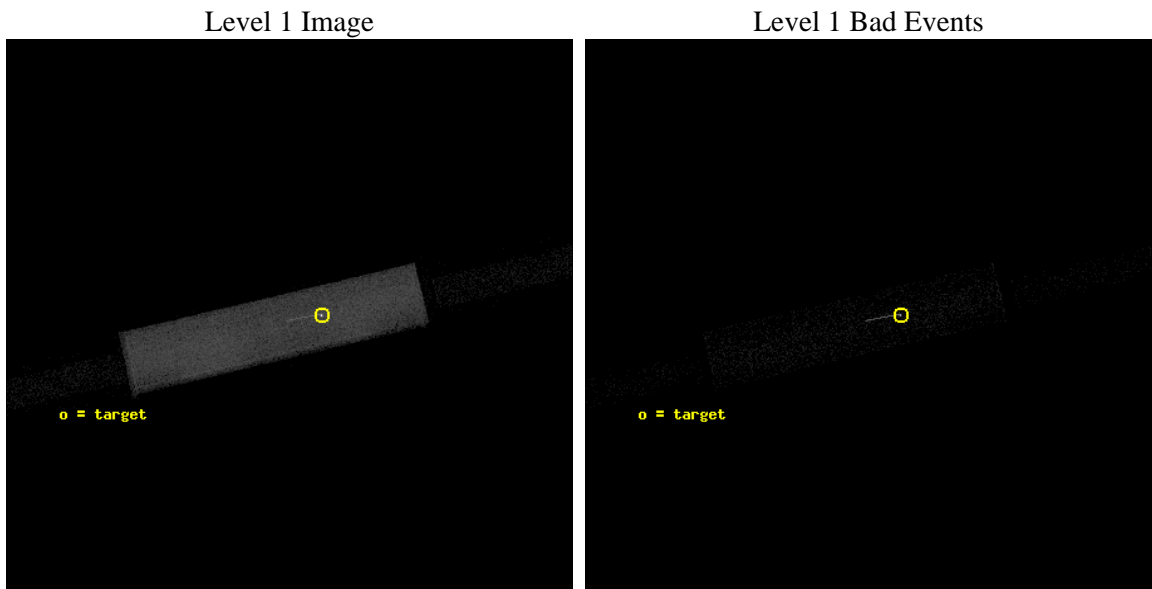
seq_num	290218	Sequence number
obs_id	2662	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25598024495	Nominal RA [deg]
dec_nom	45.728778895833	Nominal Dec [deg]
roll_nom	166.73256053499	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062970459	[s]
livetime	1130.3756152508	Ontime multiplied by DTCOR
l2events	93256	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	1142.1062970459	[s]
caldsver	4.5.2	 	l1events	132039	Number of level 1 events
date	2012-10-14T00:26:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

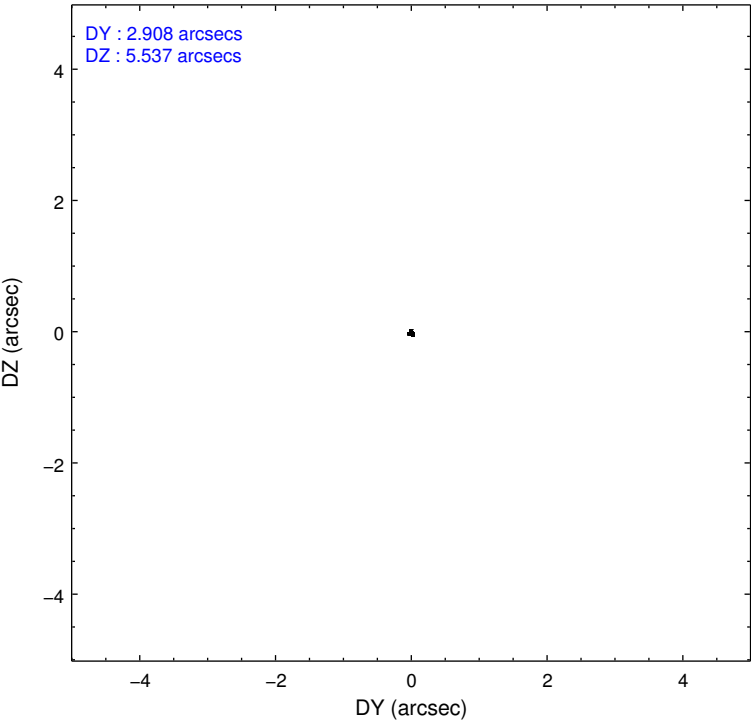
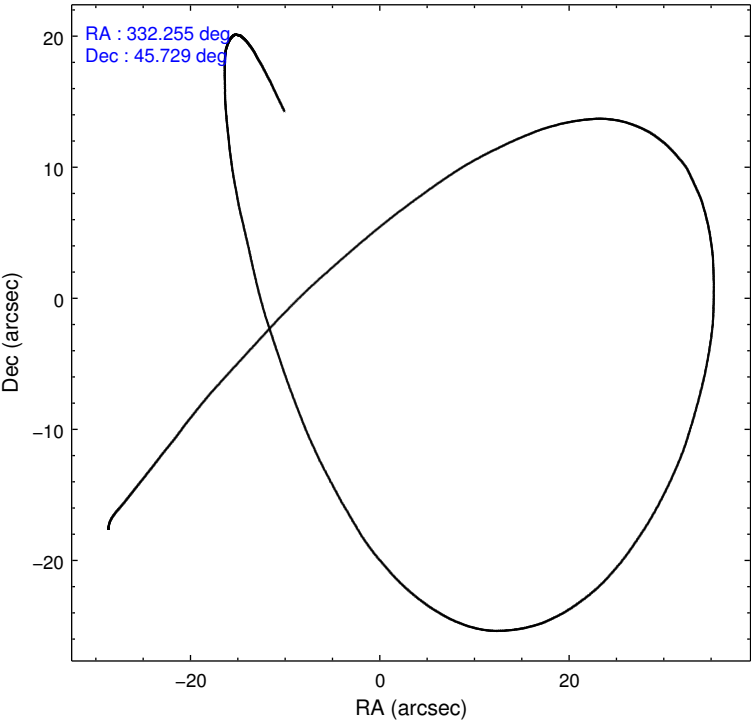
Level 1 Events

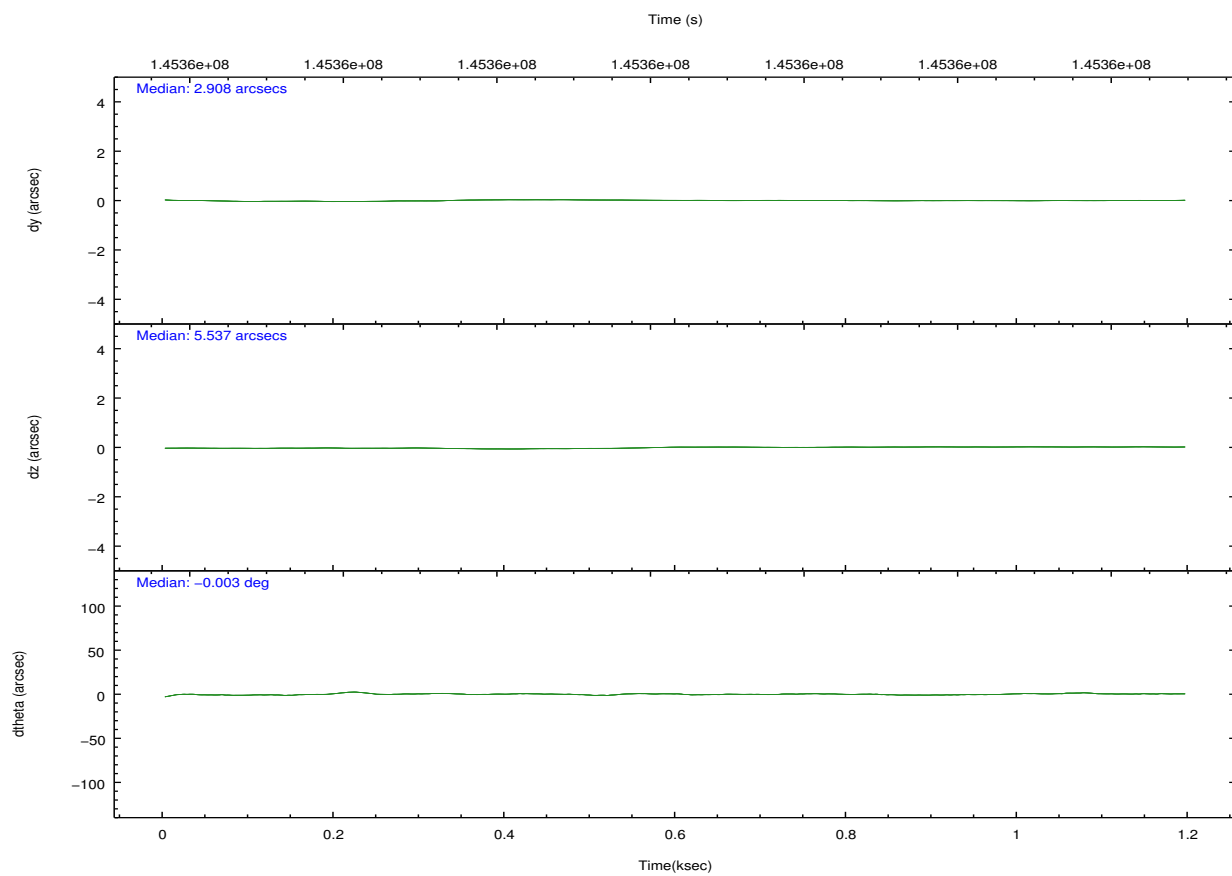
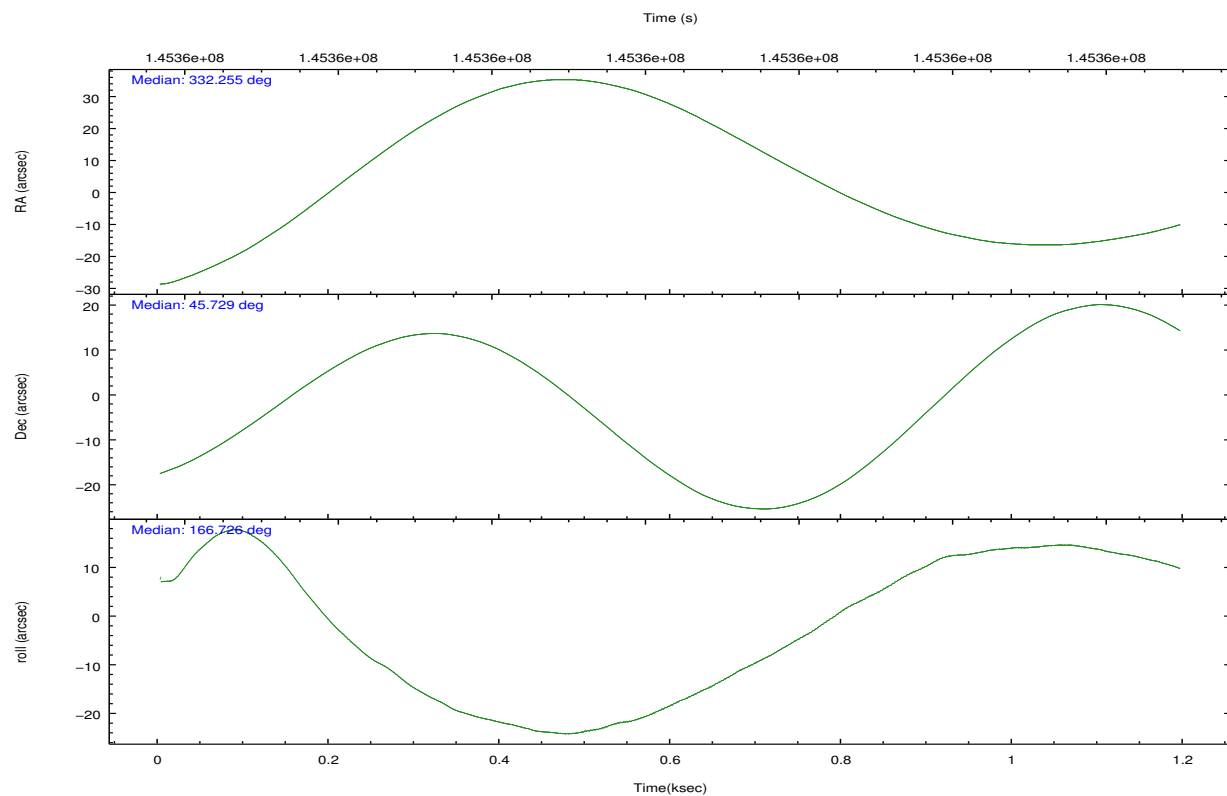
	segment 1	segment 2	segment 3
level 1 events	2284	127570	2185
rejected events	2284	24303	2185
rejected %	100%	19%	100%

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	332.295083	332.2559802449508			
[deg] Pointing Dec	45.737741	45.72877889583313			
[deg] Pointing Roll	166.637288	166.7325605349909			
[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)	145363430.184000	145363054.51506			
Observation start date	2002-08-10T10:42:46	2002-08-10T10:37:34			
[s] Observation end time (MET)	145364430.184000	145364564.34012			
Observation end date	2002-08-10T10:59:26	2002-08-10T11:02:44			

2.3 Aspect



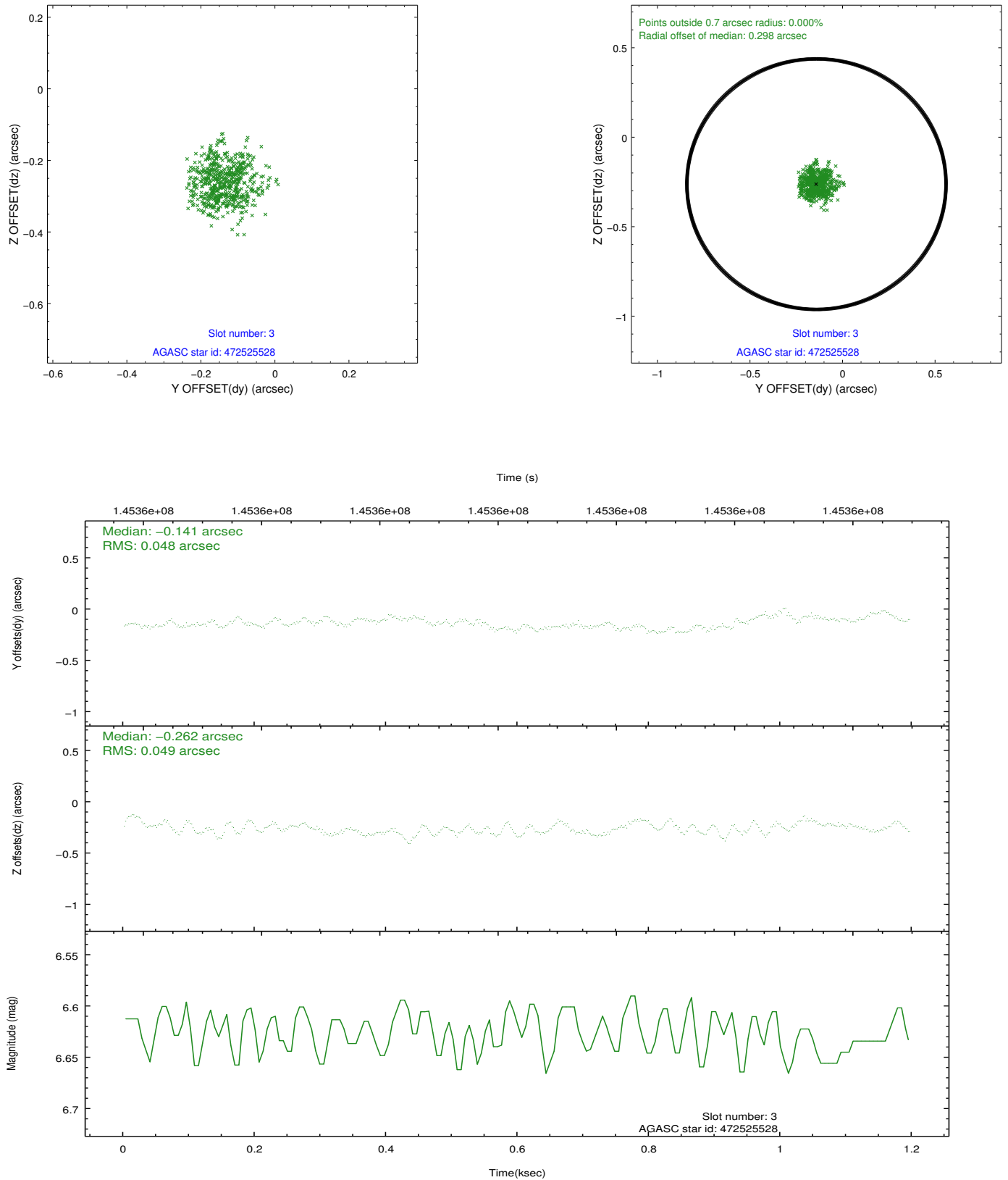


Slot Statistics

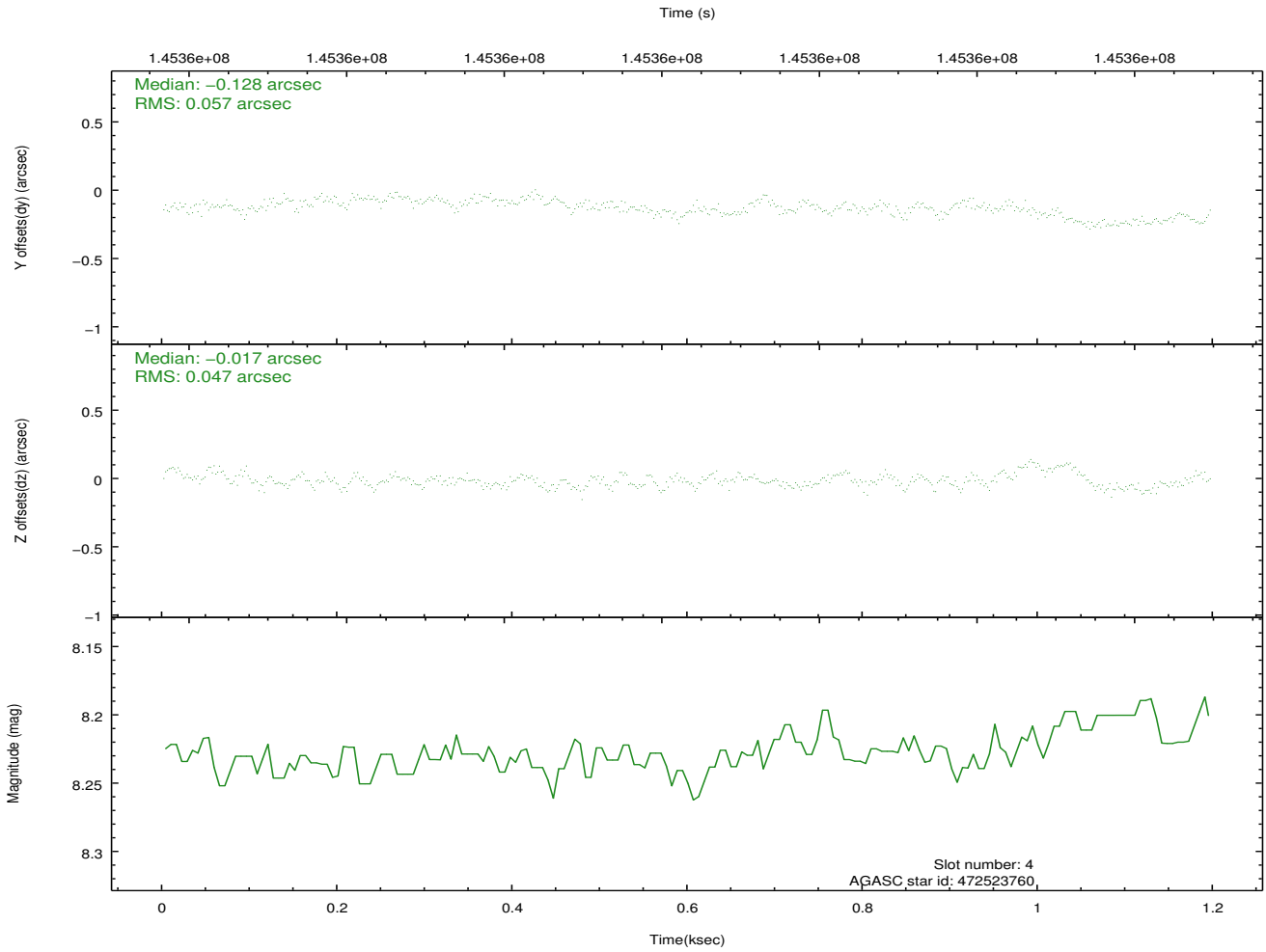
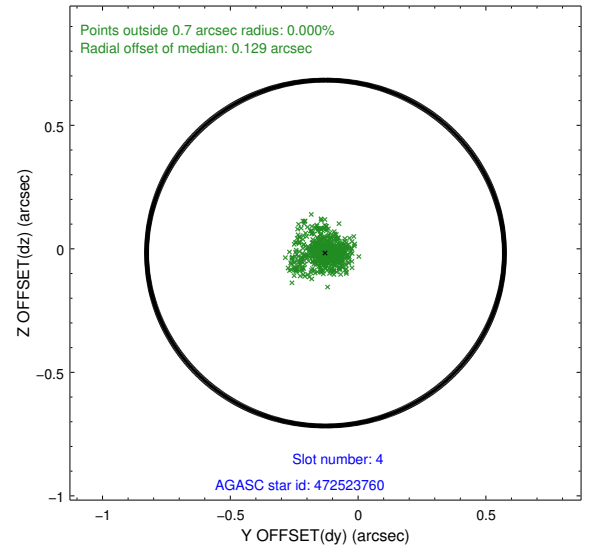
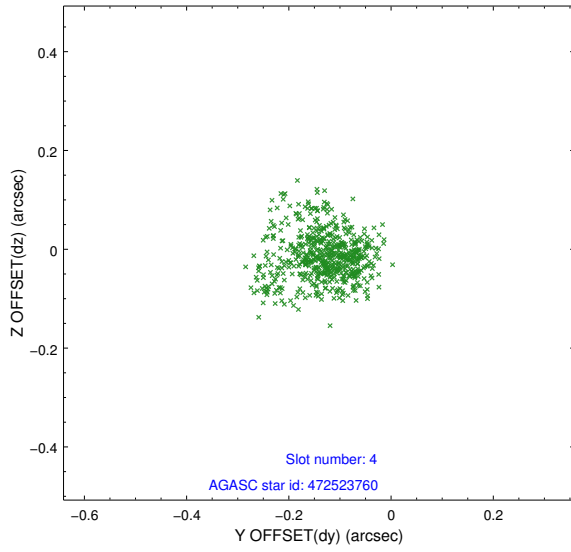
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	292	0.159	-0.163	0.008	0.015	0.000000	0.000000	-1156.93	-454.06
1	FID	HRC-S-2	6.99	292	0.099	-0.100	0.006	0.011	0.000000	0.000000	1238.73	-448.21
2	FID	HRC-S-3	7.01	292	0.131	-0.039	0.009	0.015	0.000000	0.000000	-1155.43	574.06
3	GUIDE	472525528	6.63	584	-0.141	-0.262	0.076	0.115	331.551102	45.248694	1428.95	2142.13
4	GUIDE	472523760	8.23	584	-0.128	-0.017	0.078	0.132	331.645363	45.403260	1322.78	1550.45
5	GUIDE	472665256	9.03	584	0.127	0.236	0.139	0.262	332.808125	46.195041	-860.21	-1896.42
6	GUIDE	472659832	9.46	584	0.074	0.137	0.097	0.149	332.780399	46.098139	-879.64	-1547.11
7	GUIDE	472523568	9.34	582	0.036	-0.074	0.104	0.161	331.465966	45.371411	1735.77	1756.64

2.4 Star Slots

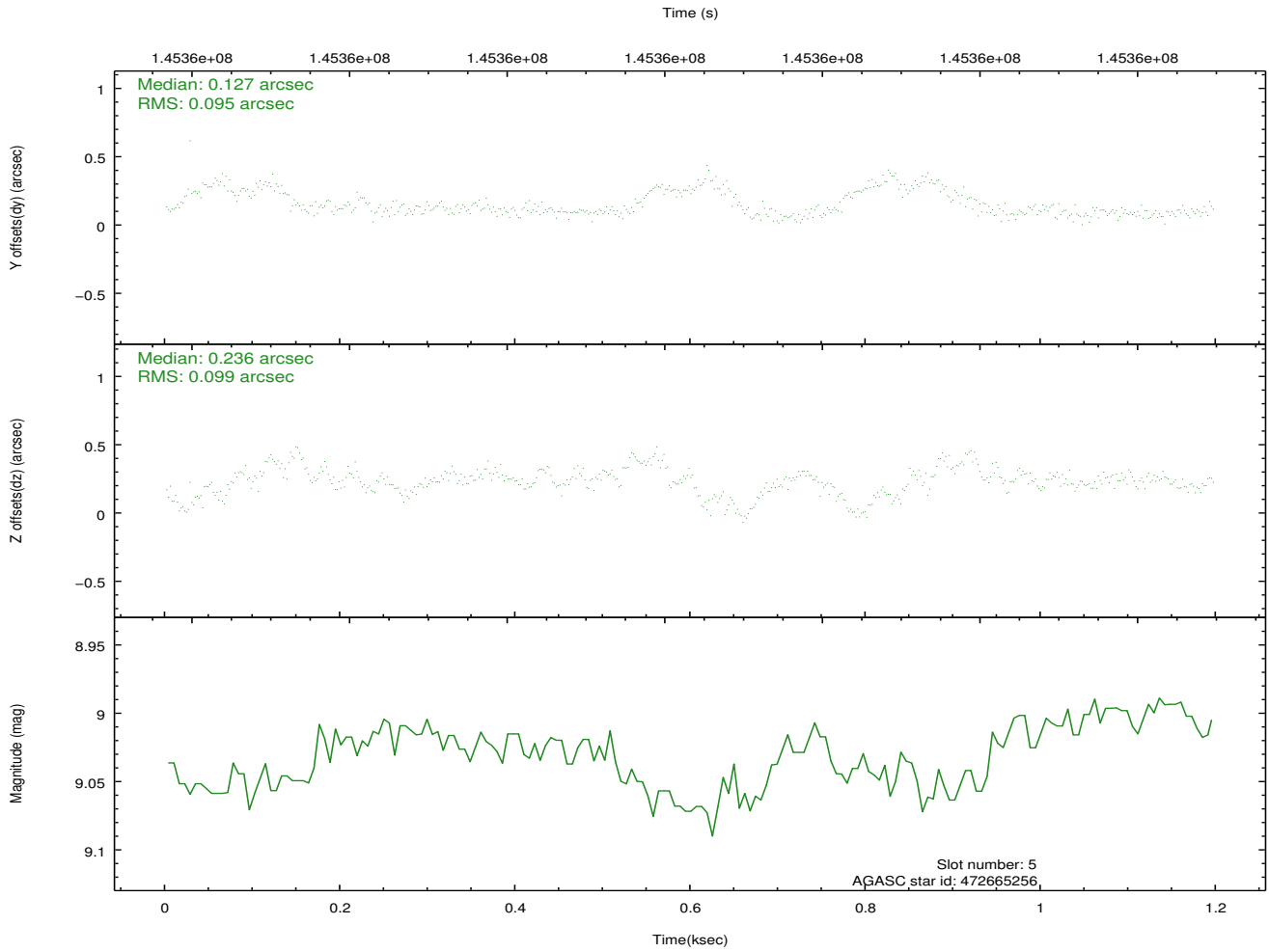
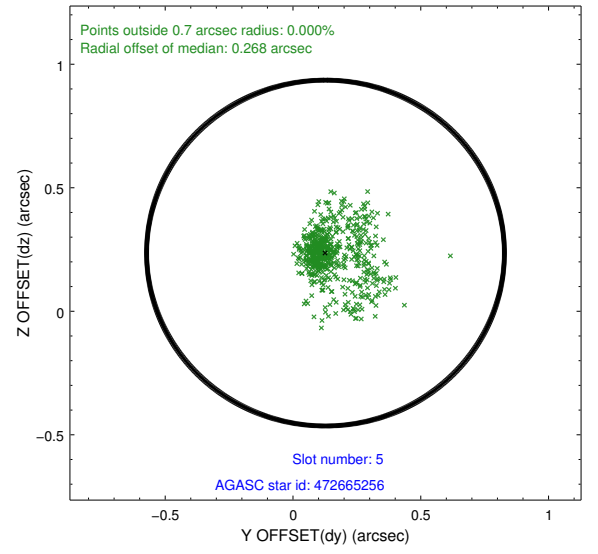
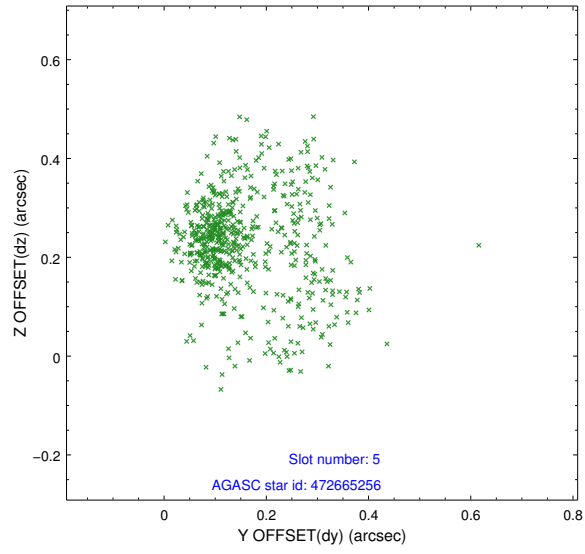
2.4.1 Slot 3



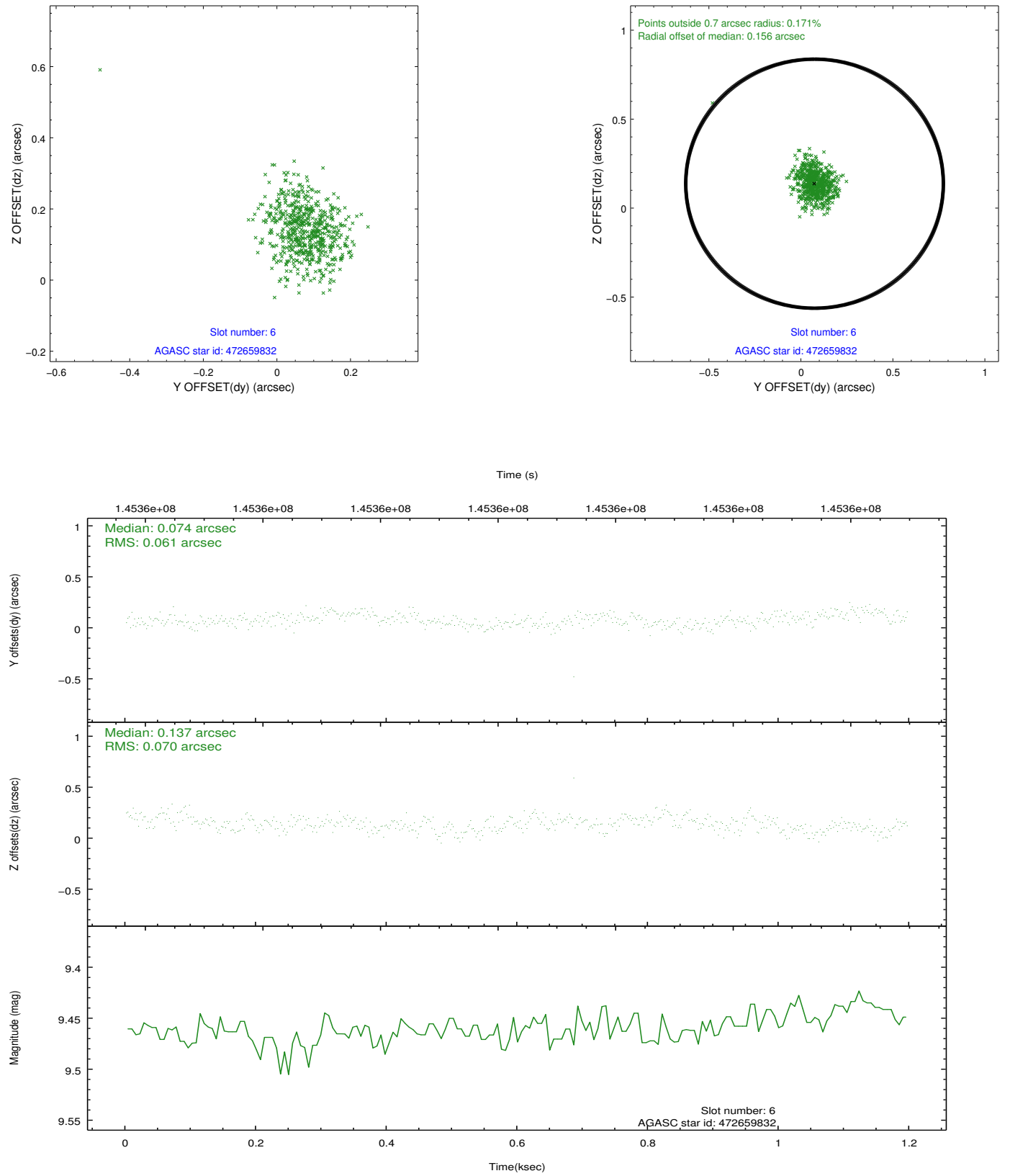
2.4.2 Slot 4



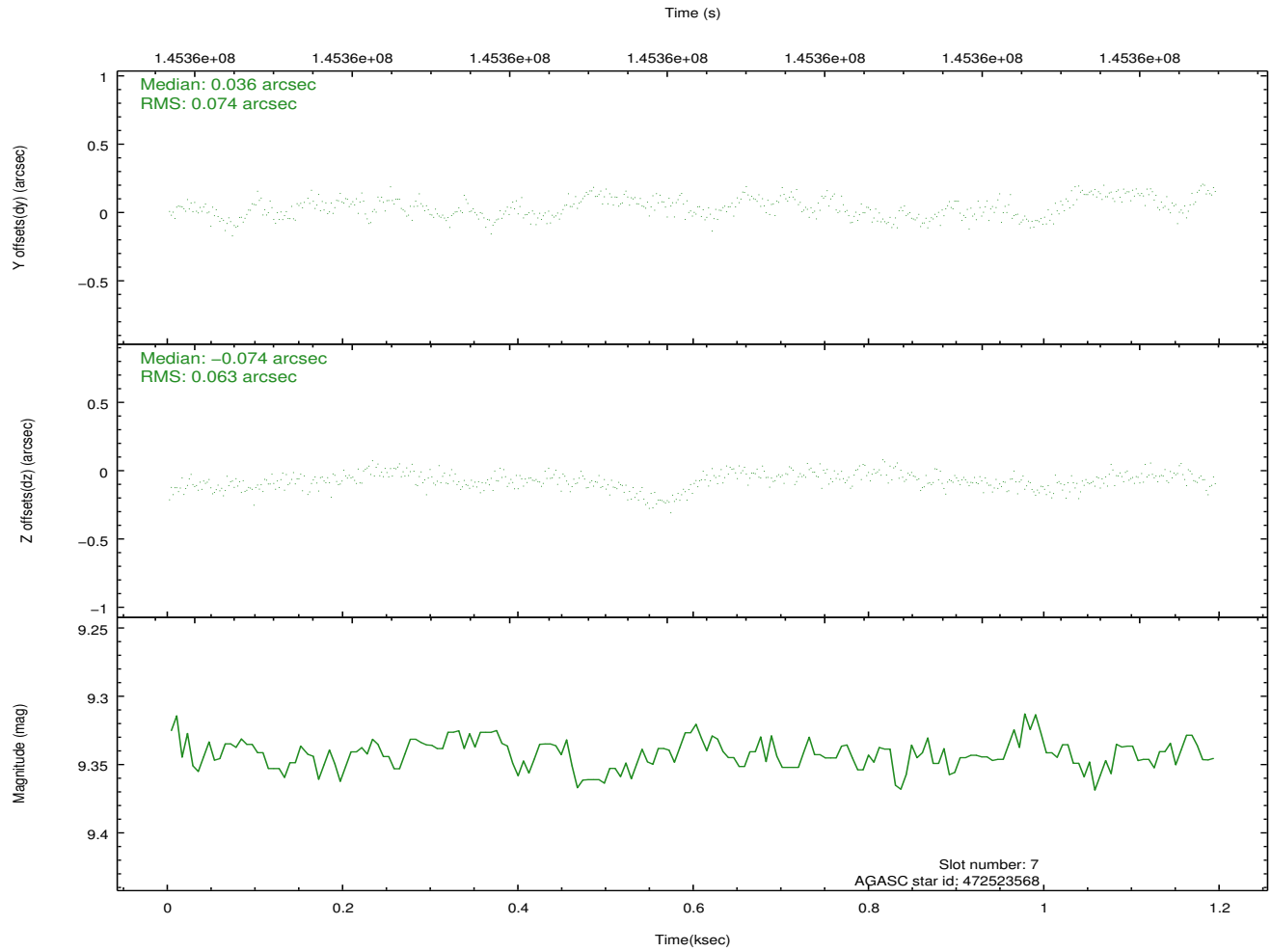
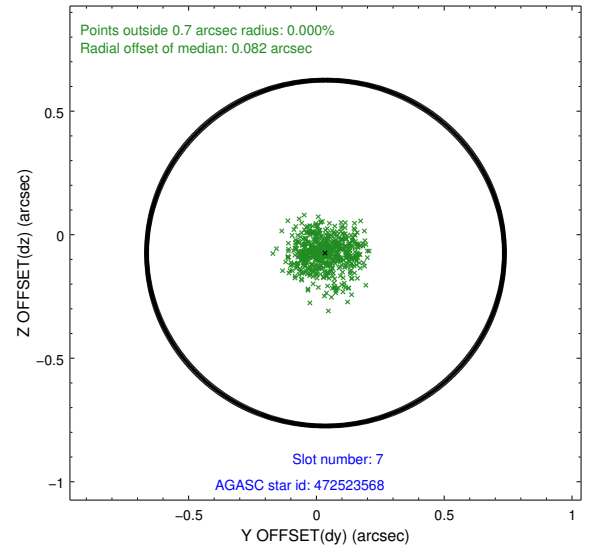
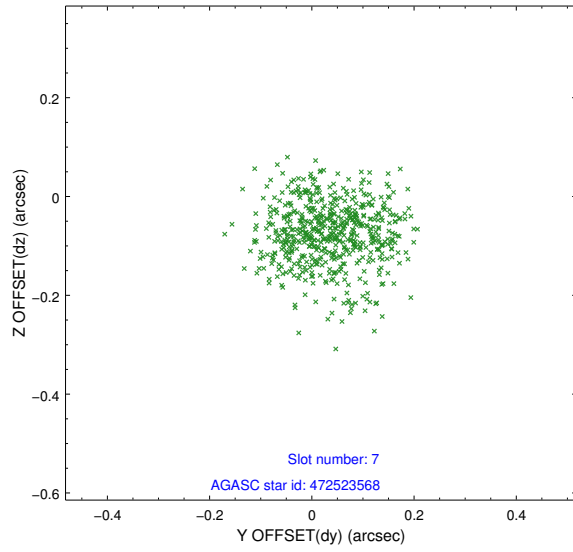
2.4.3 Slot 5



2.4.4 Slot 6

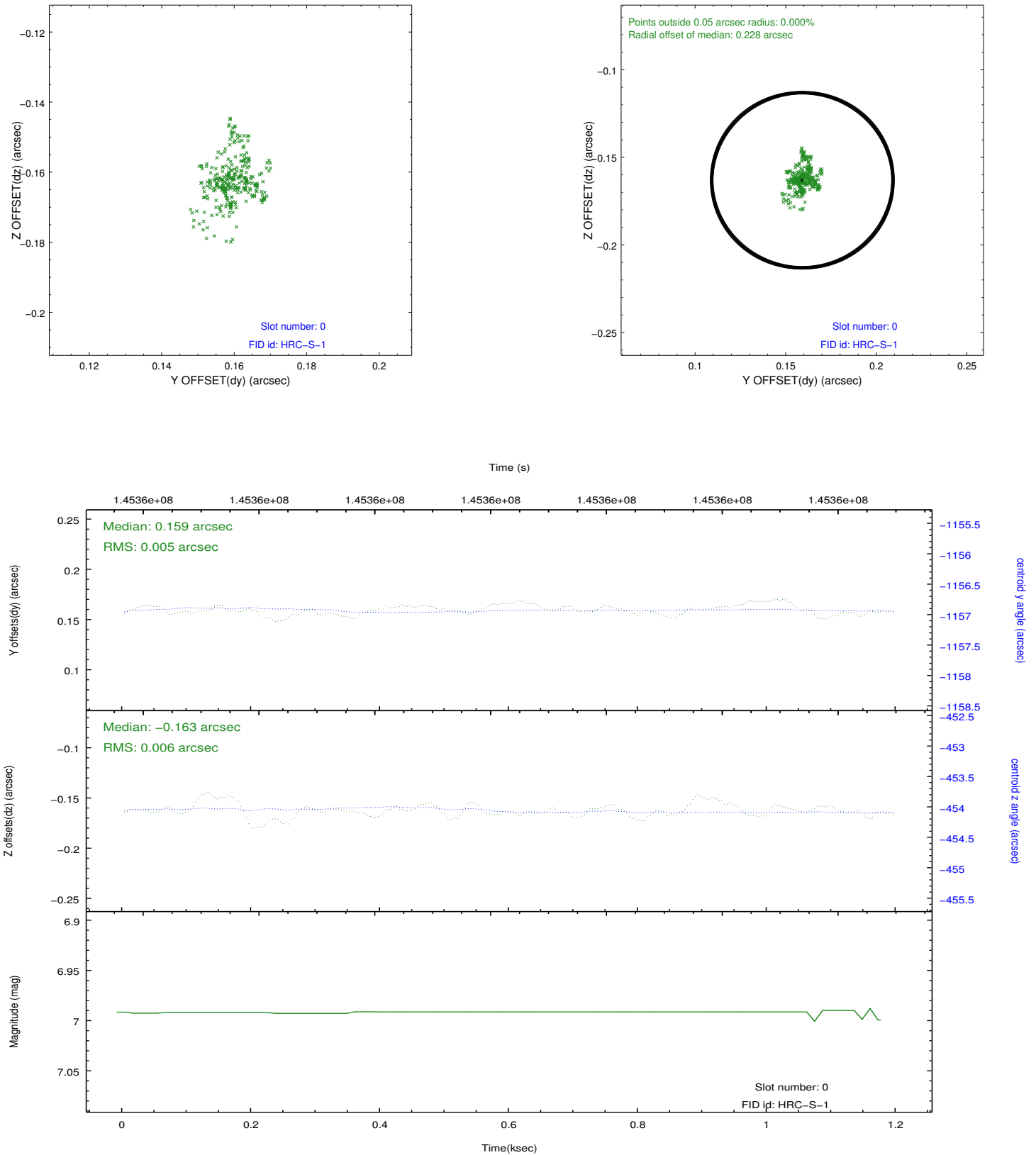


2.4.5 Slot 7

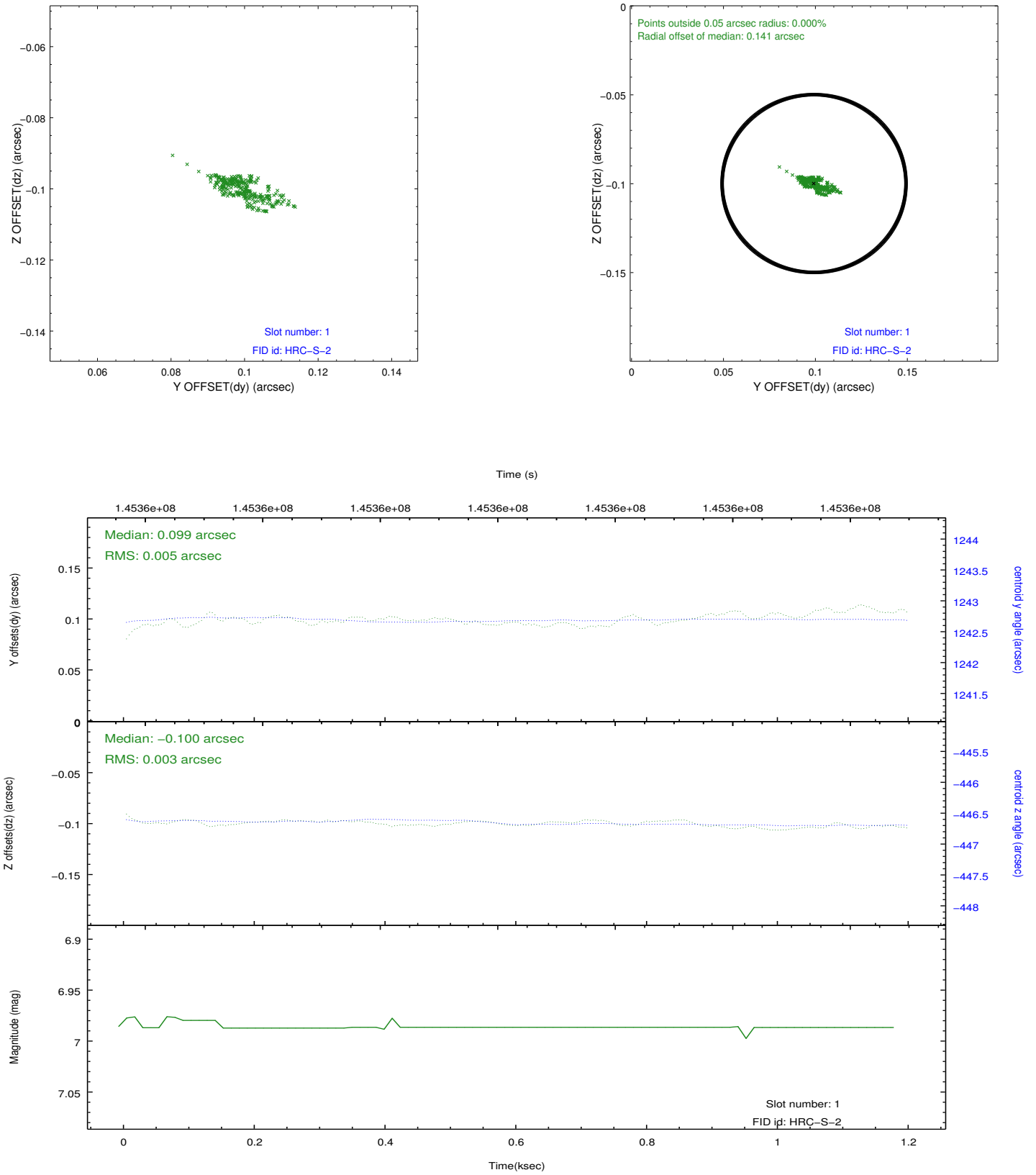


2.5 FID Slots

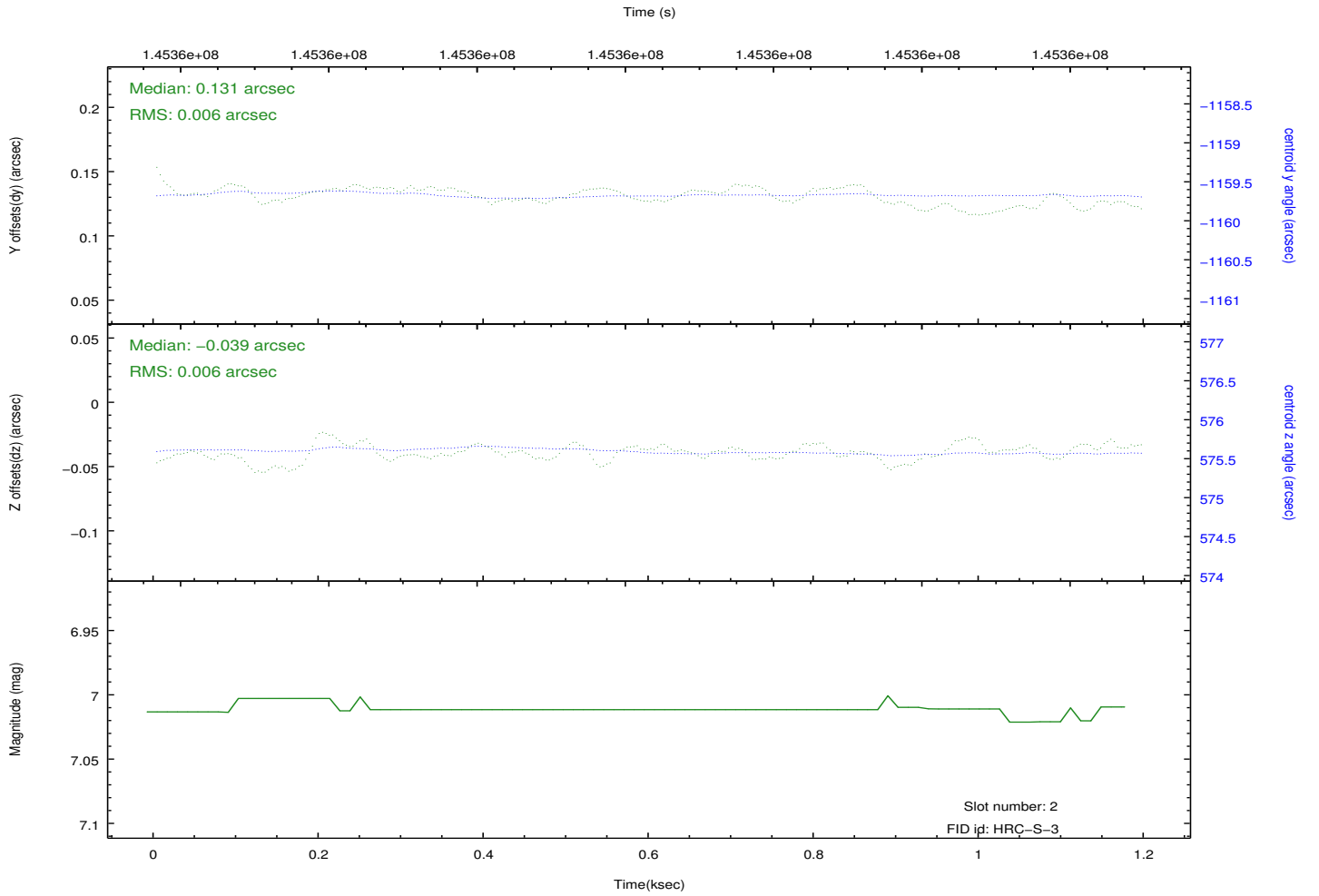
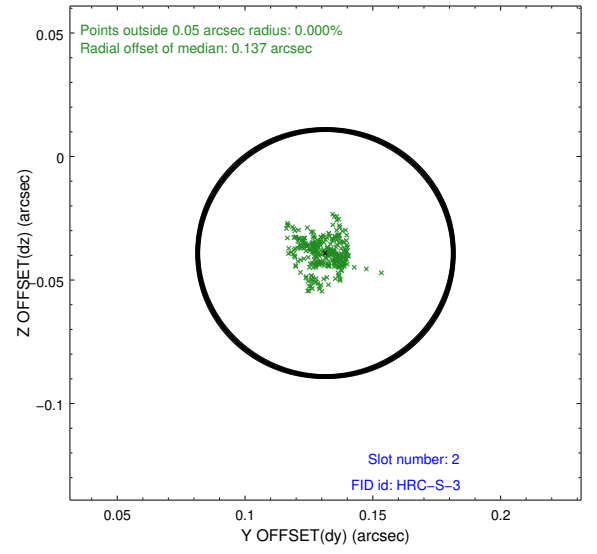
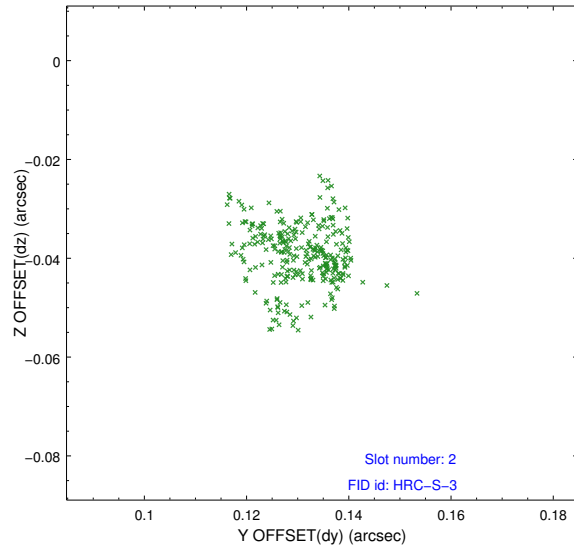
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.187

A.2 Comments

Charge time for this ObsId remains at previous value of 1.187 ks although with the current processing it would have been 1.14 ksec. Monitor constraint met.