

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 997 - L2 Version 5
Chandra X-Ray Center

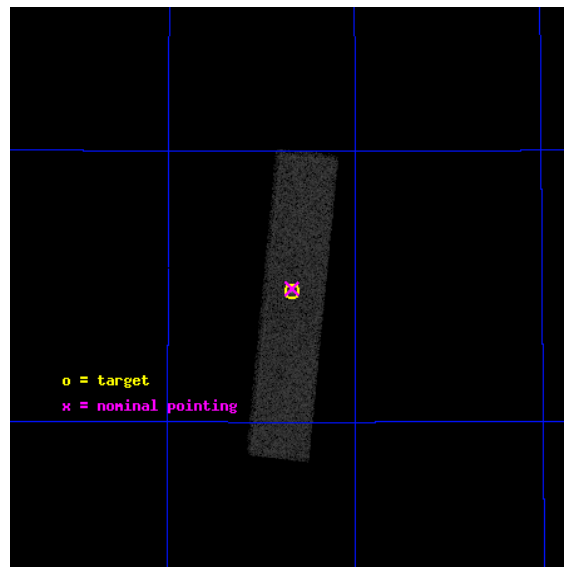
L2 Processing Date : Sep 18 2012

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1 Front

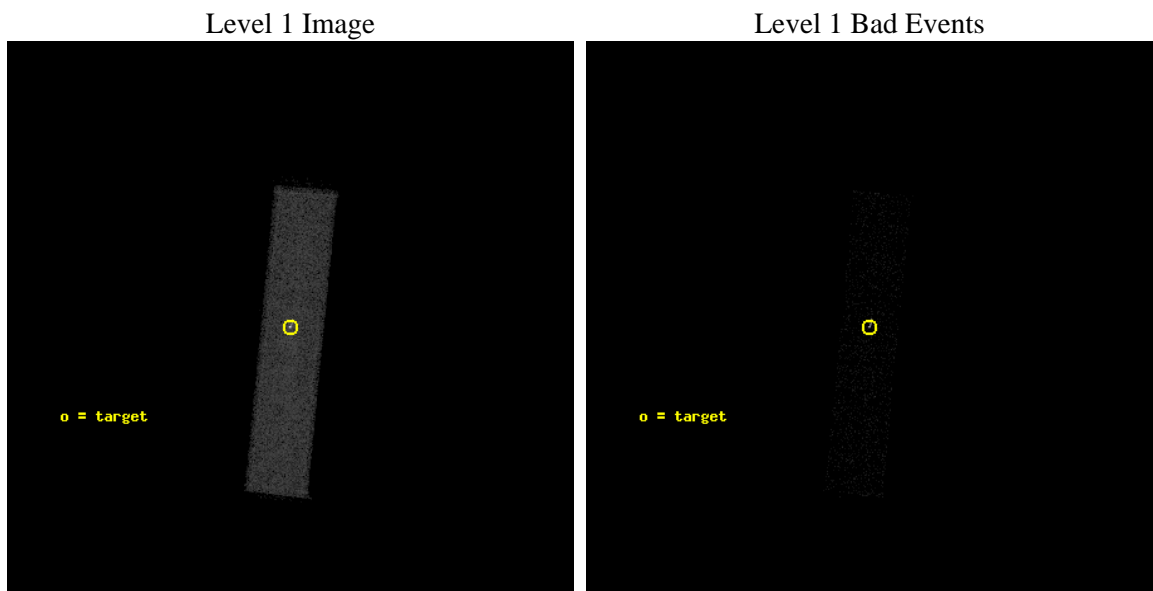
seq_num	290078	Sequence number
obs_id	997	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16900437652	Nominal RA [deg]
dec_nom	45.74656361608	Nominal Dec [deg]
roll_nom	95.578087784509	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1203.6062967628	[s]
livetime	1196.8074480762	Ontime multiplied by DTCOR
l2events	47438	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1203.6062967628	[s]
caldsver	4.5.1.1	 	l1events	66262	Number of level 1 events
date	2012-09-18T22:53:45	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

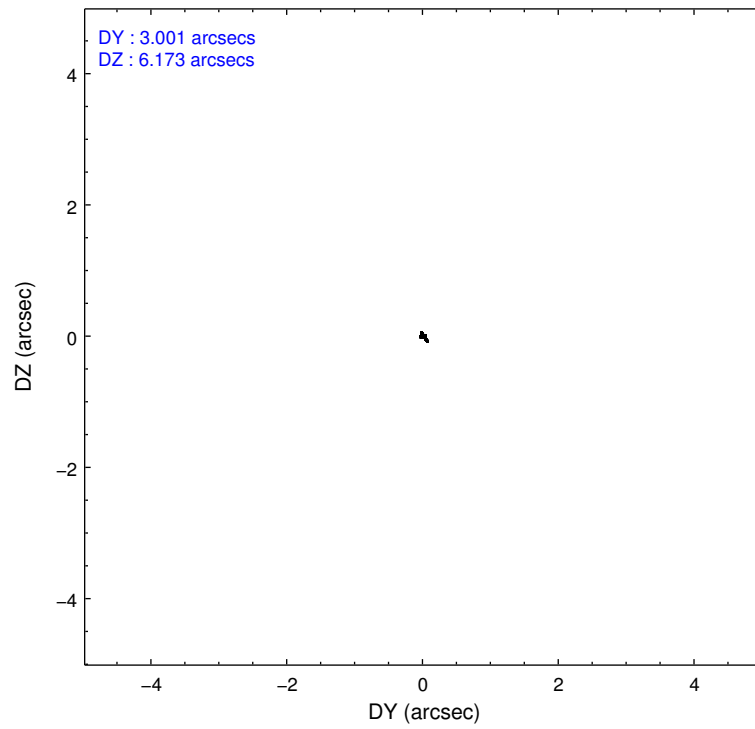
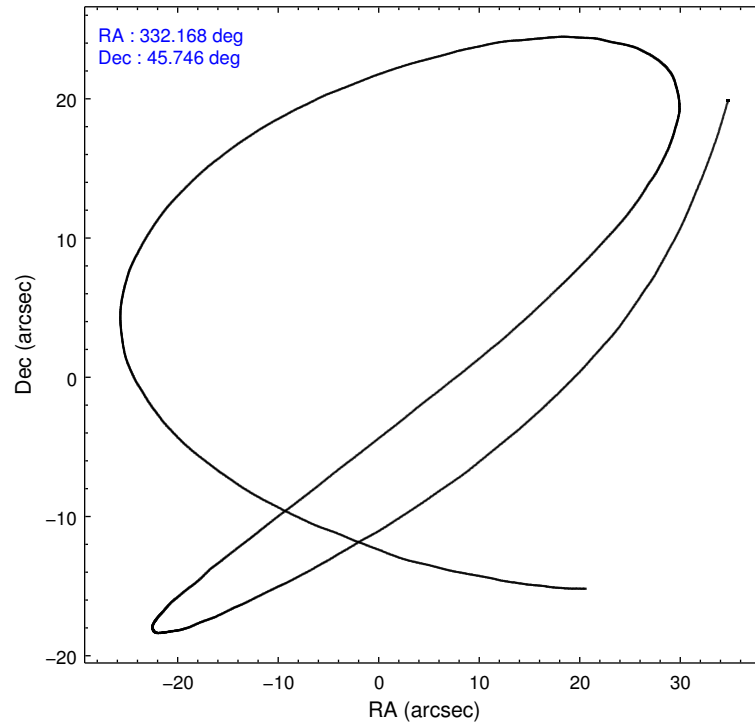
Level 1 Events

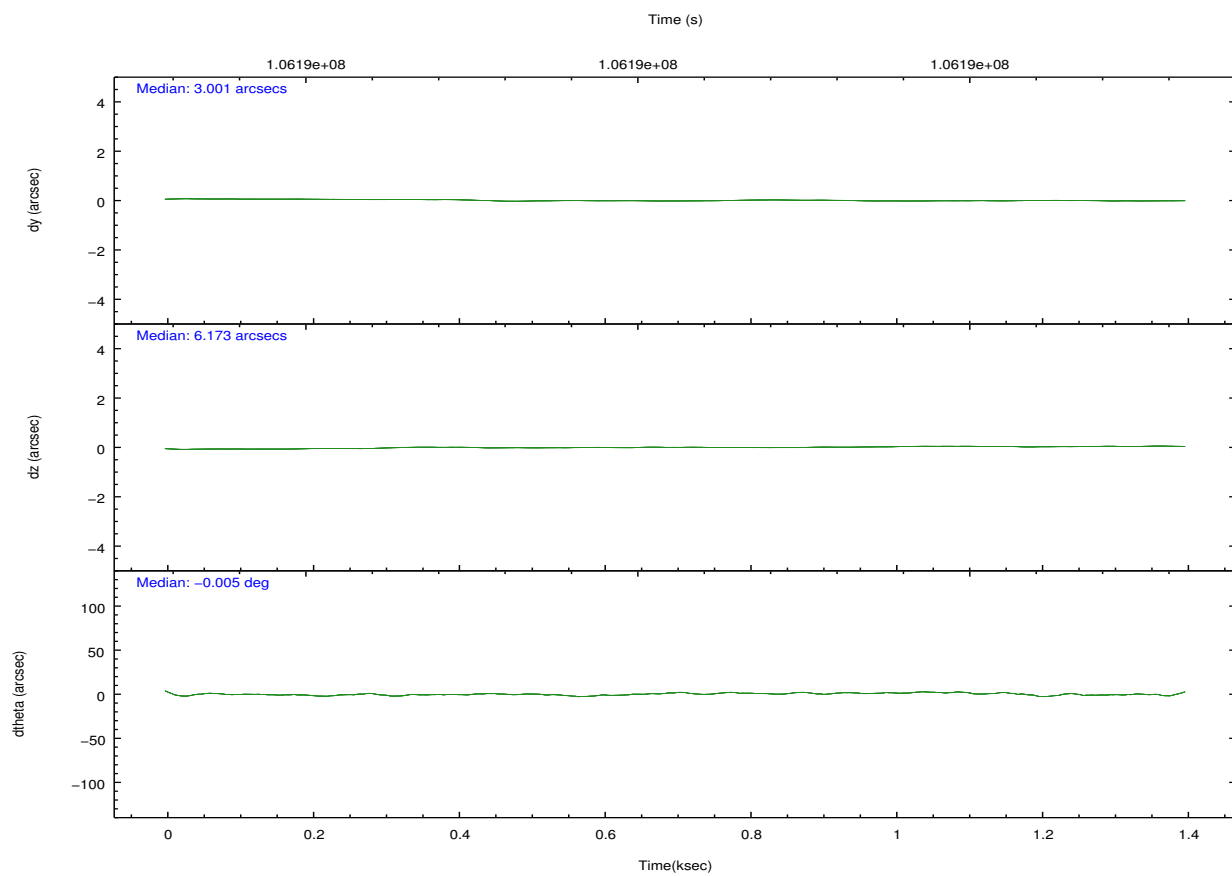
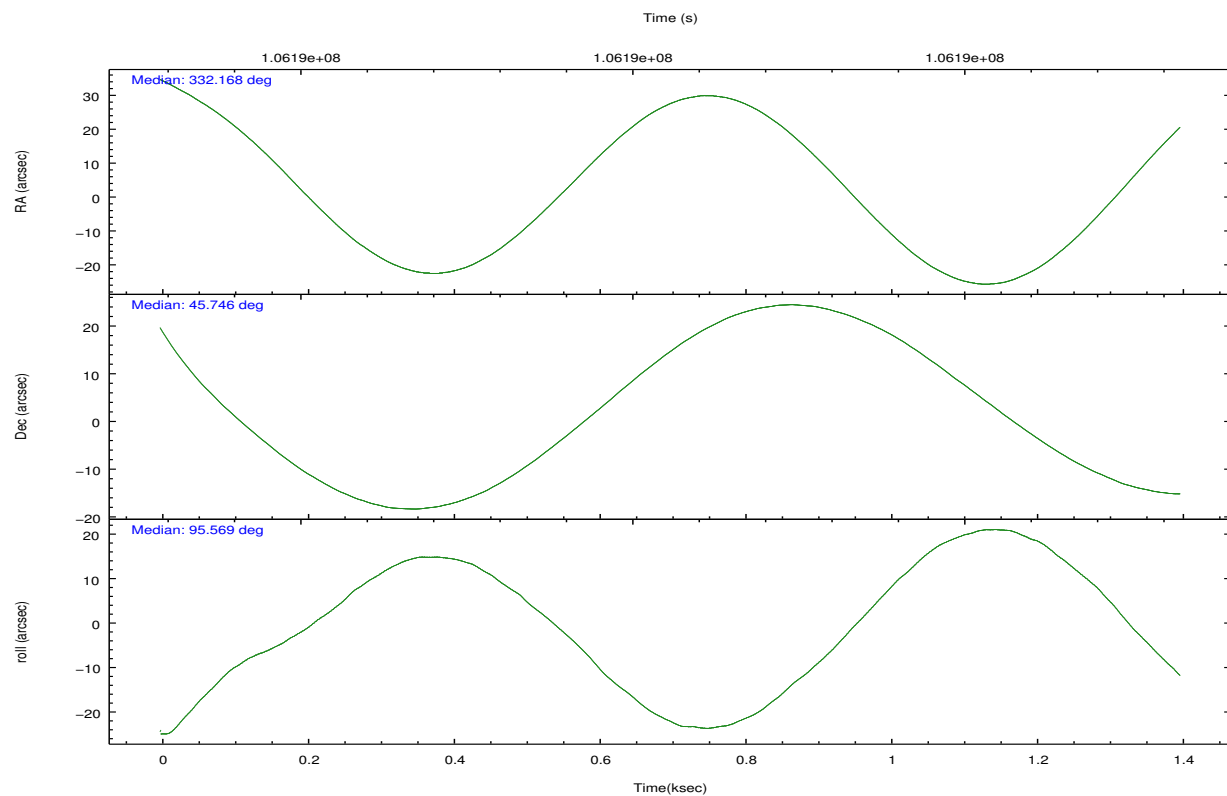
	segment 1	segment 2	segment 3
level 1 events	0	66262	0
rejected events	0	8350	0
rejected %	0%	12%	0%

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	332.194989	332.1690043765197			
[deg] Pointing Dec	45.724561	45.74656361607961			
[deg] Pointing Roll	95.492235	95.57808778450935			
[s] Window start time (MET)	105062464.184000	105062464.184000			
[s] Window stop time (MET)	107568064.184000	107568064.184000			
[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)	106186523.184000	106185925.24511			
Observation start date	2001-05-14T00:14:19	2001-05-14T00:05:25			
[s] Observation end time (MET)	106187757.184000	106187890.68269			
Observation end date	2001-05-14T00:34:53	2001-05-14T00:38:10			

2.3 Aspect



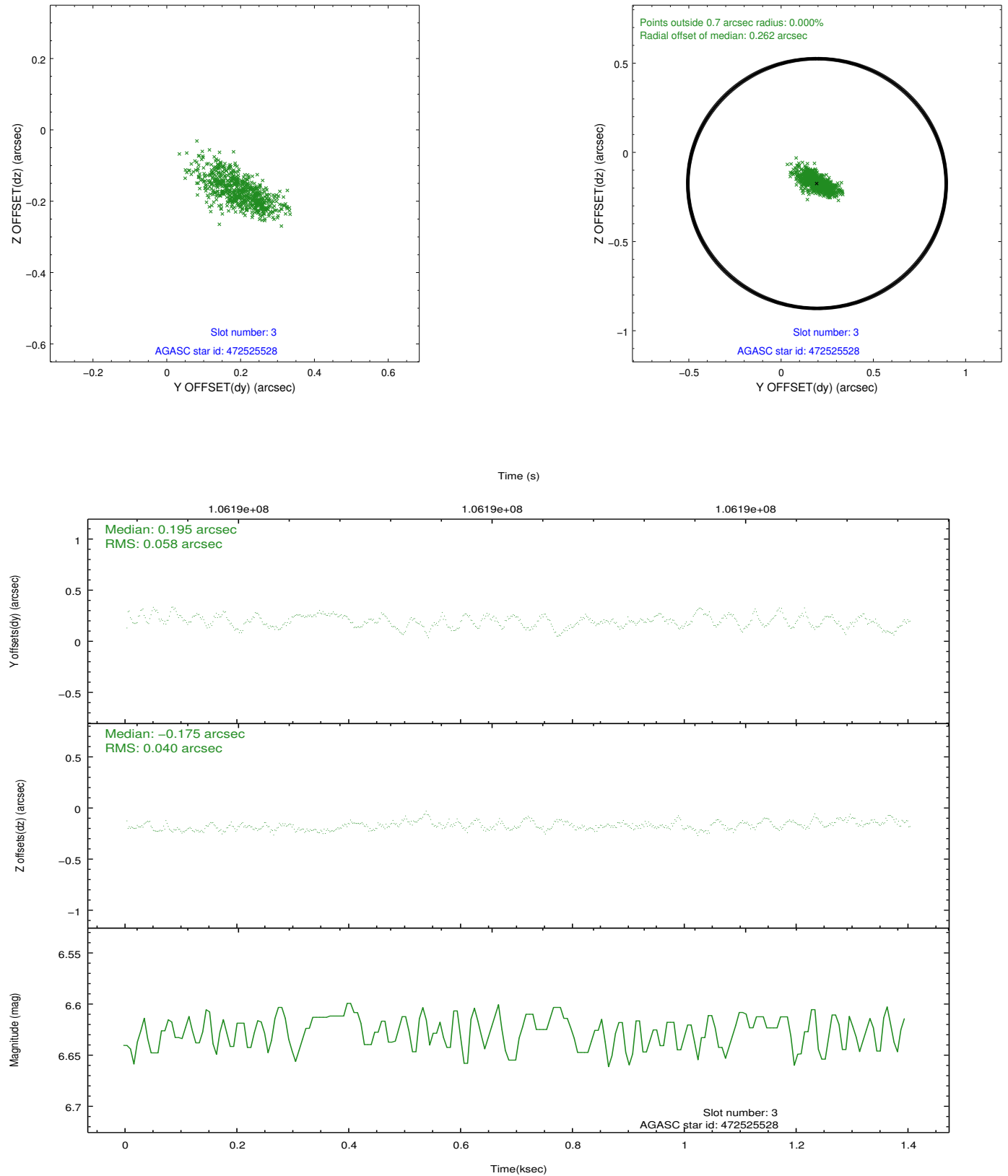


Slot Statistics

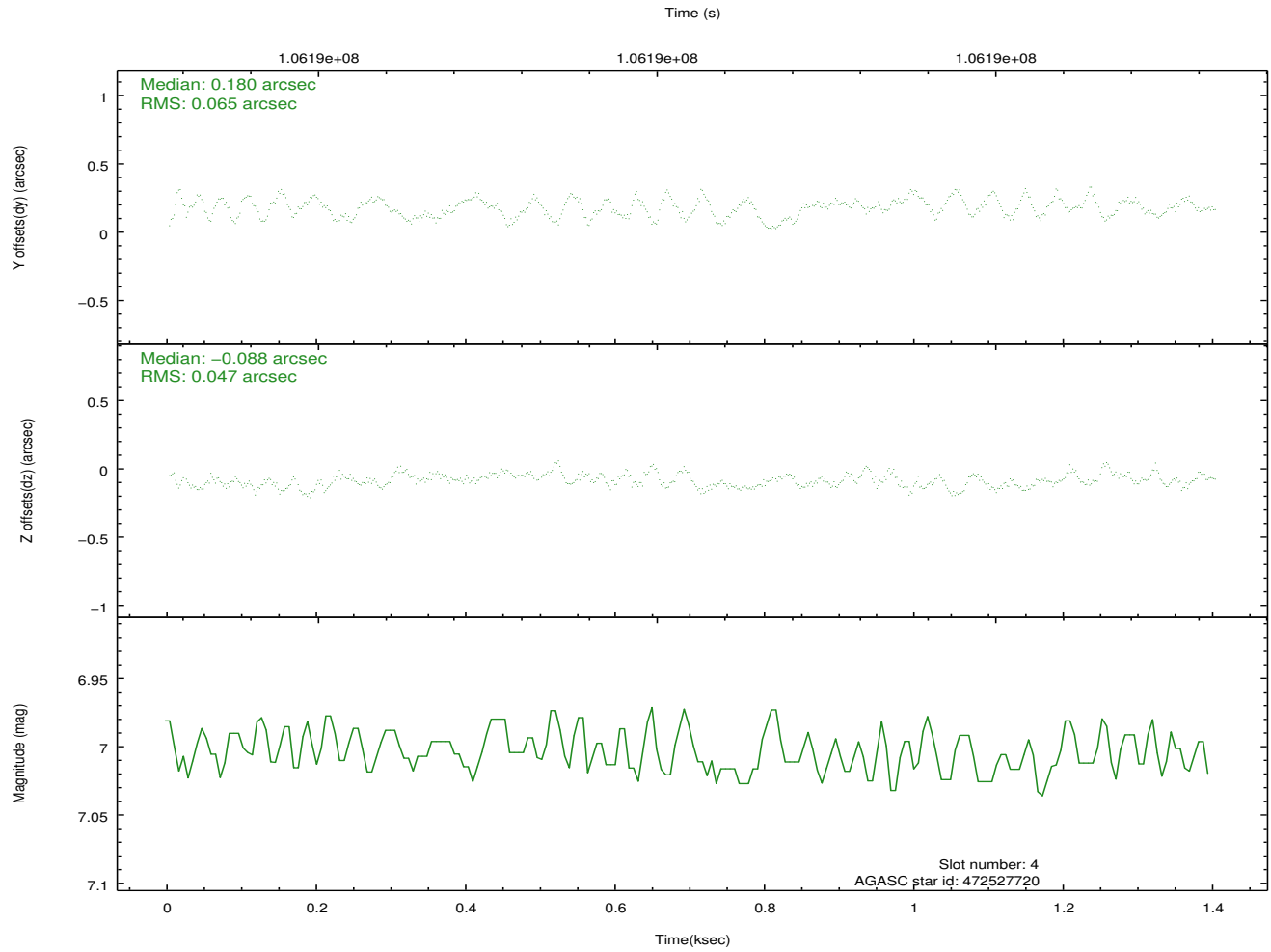
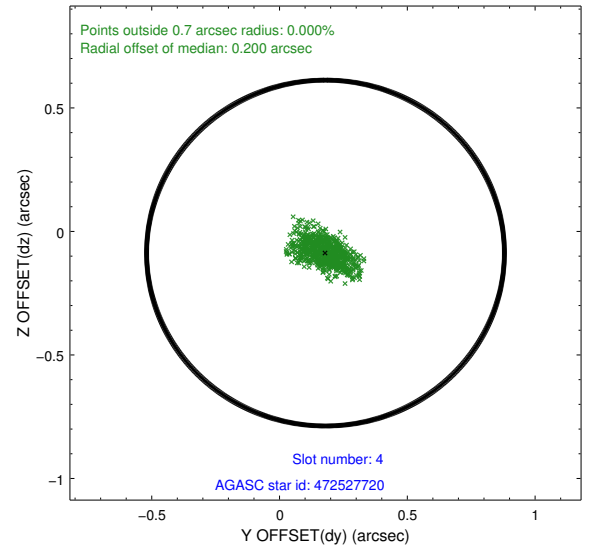
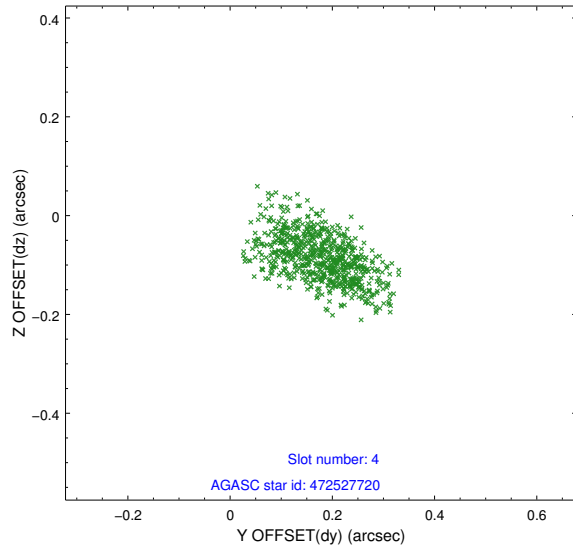
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	342	0.139	-0.107	0.006	0.013	0.000000	0.000000	-1157.04	-454.71
1	FID	HRC-S-2	6.98	342	0.117	-0.152	0.012	0.022	0.000000	0.000000	1239.24	-448.66
2	FID	HRC-S-4	6.93	342	0.146	-0.044	0.011	0.023	0.000000	0.000000	1244.83	576.19
3	GUIDE	472525528	6.63	684	0.195	-0.175	0.074	0.127	331.551102	45.248694	-1541.36	1785.39
4	GUIDE	472527720	7.01	684	0.180	-0.088	0.085	0.141	331.460205	45.112509	-2007.26	2068.55
5	GUIDE	472535576	7.85	684	-0.173	-0.094	0.053	0.087	331.438373	46.291802	2219.70	1678.51
6	GUIDE	472665256	9.00	684	-0.128	0.237	0.076	0.121	332.808125	46.195041	1550.28	-1682.67
7	GUIDE	472659832	9.47	683	-0.058	0.107	0.095	0.163	332.780399	46.098139	1207.94	-1588.11

2.4 Star Slots

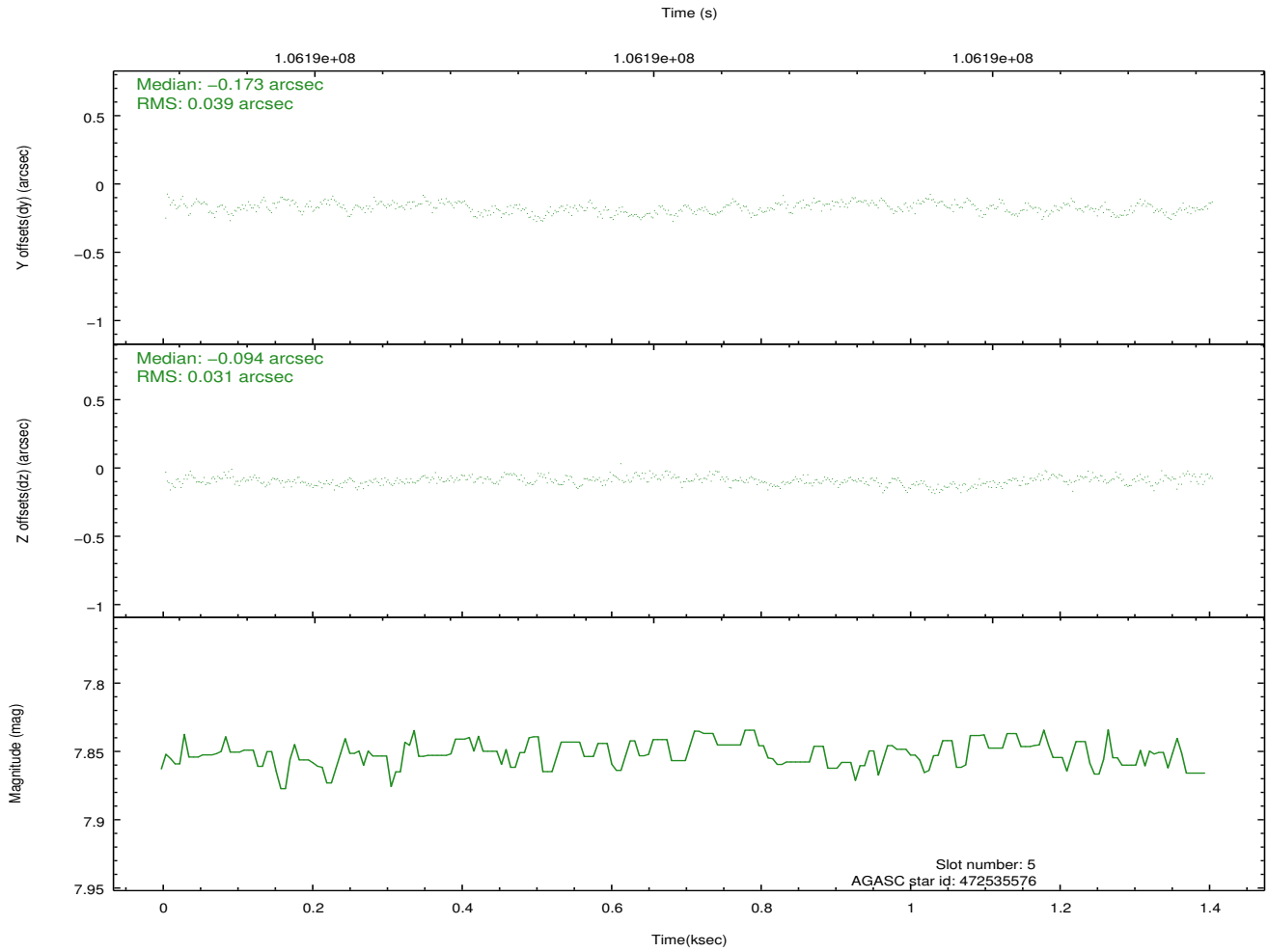
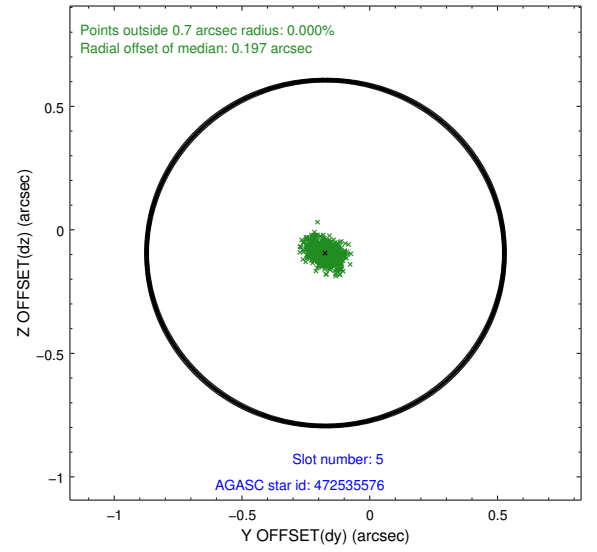
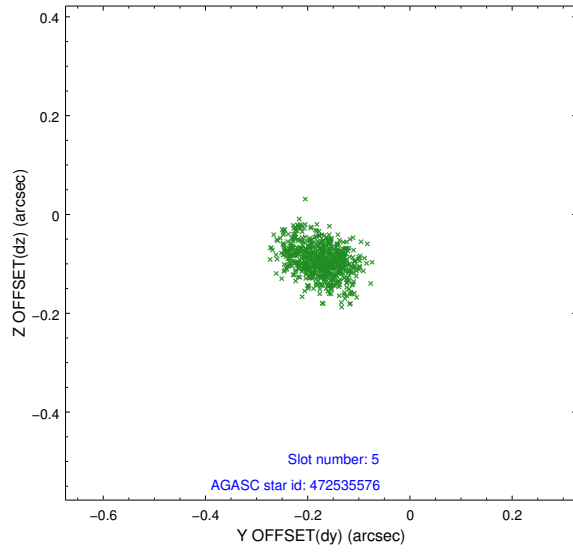
2.4.1 Slot 3



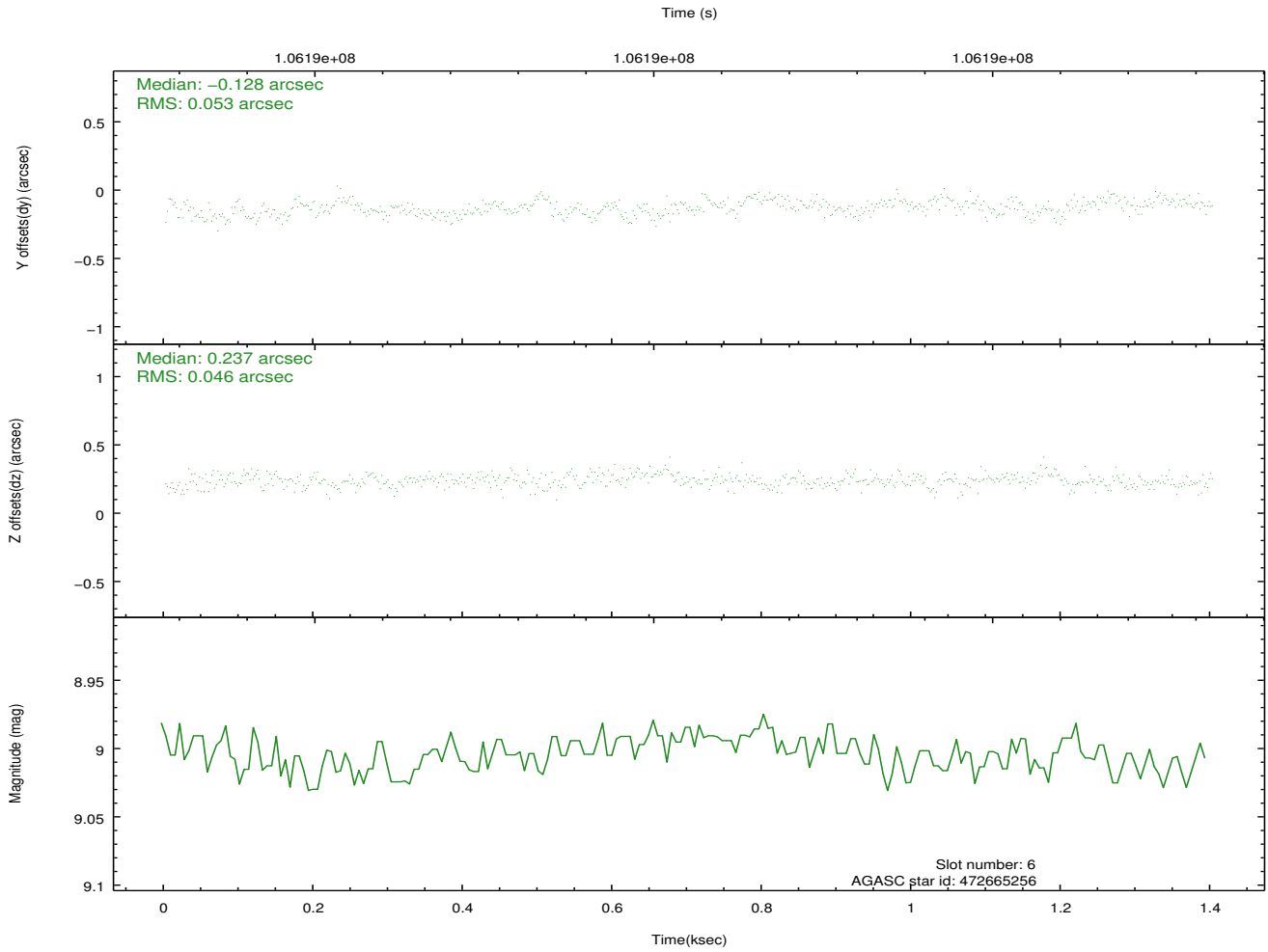
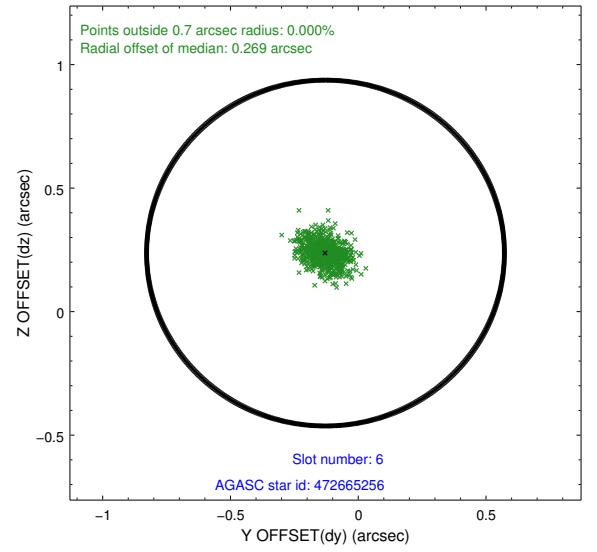
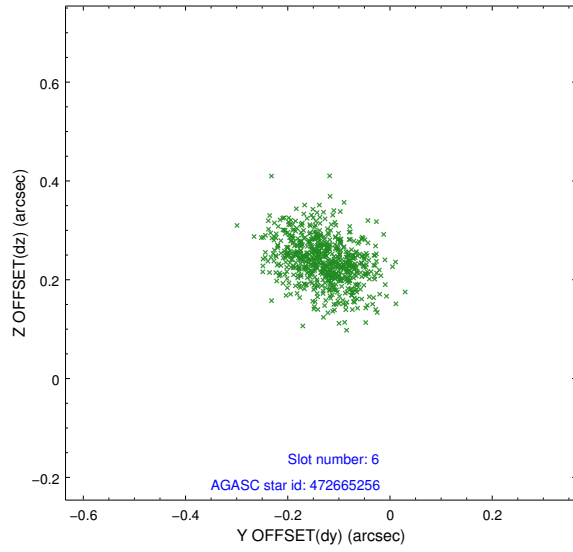
2.4.2 Slot 4



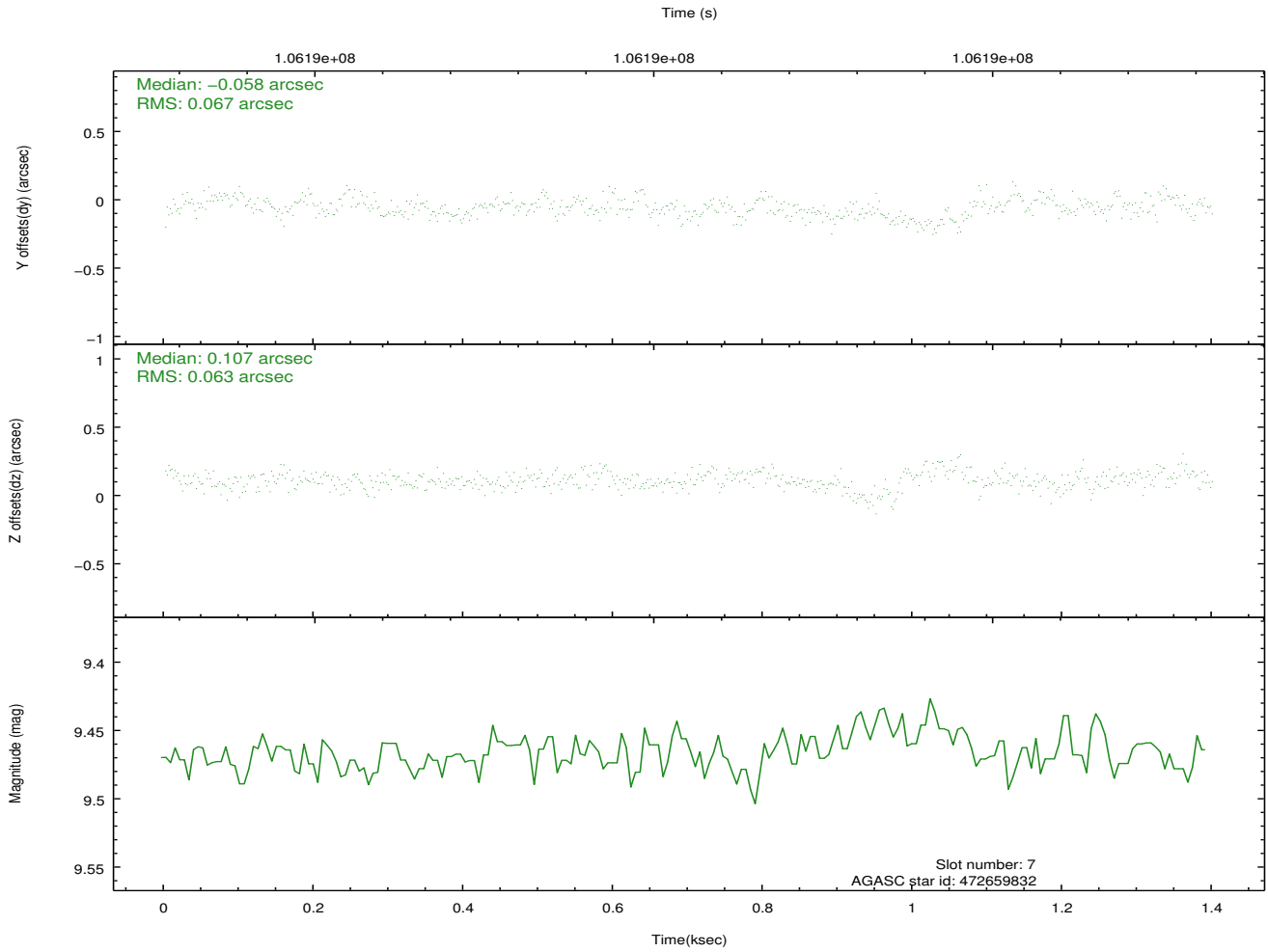
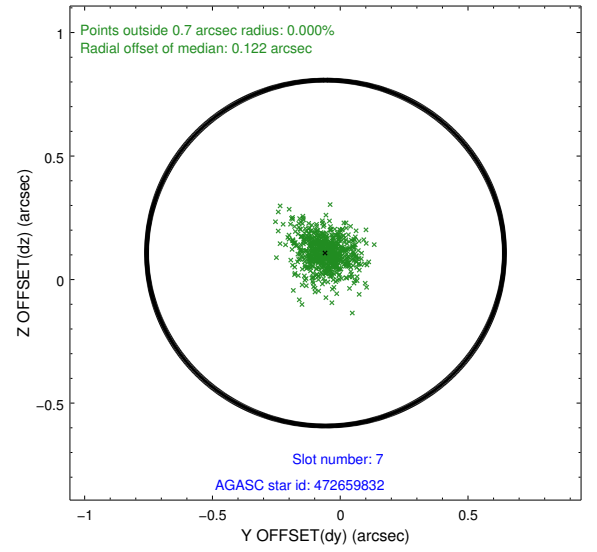
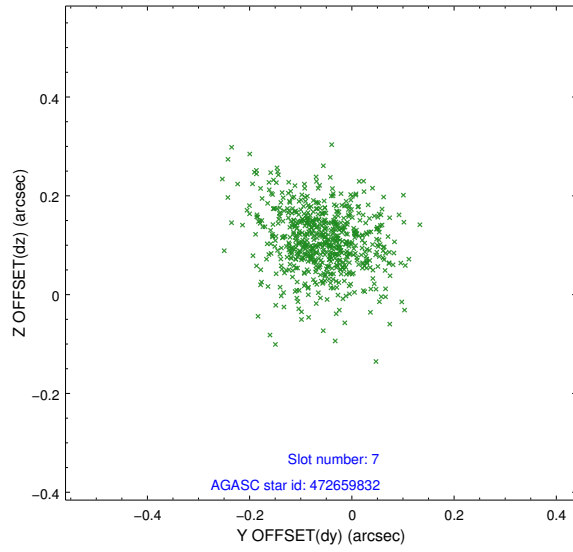
2.4.3 Slot 5



2.4.4 Slot 6

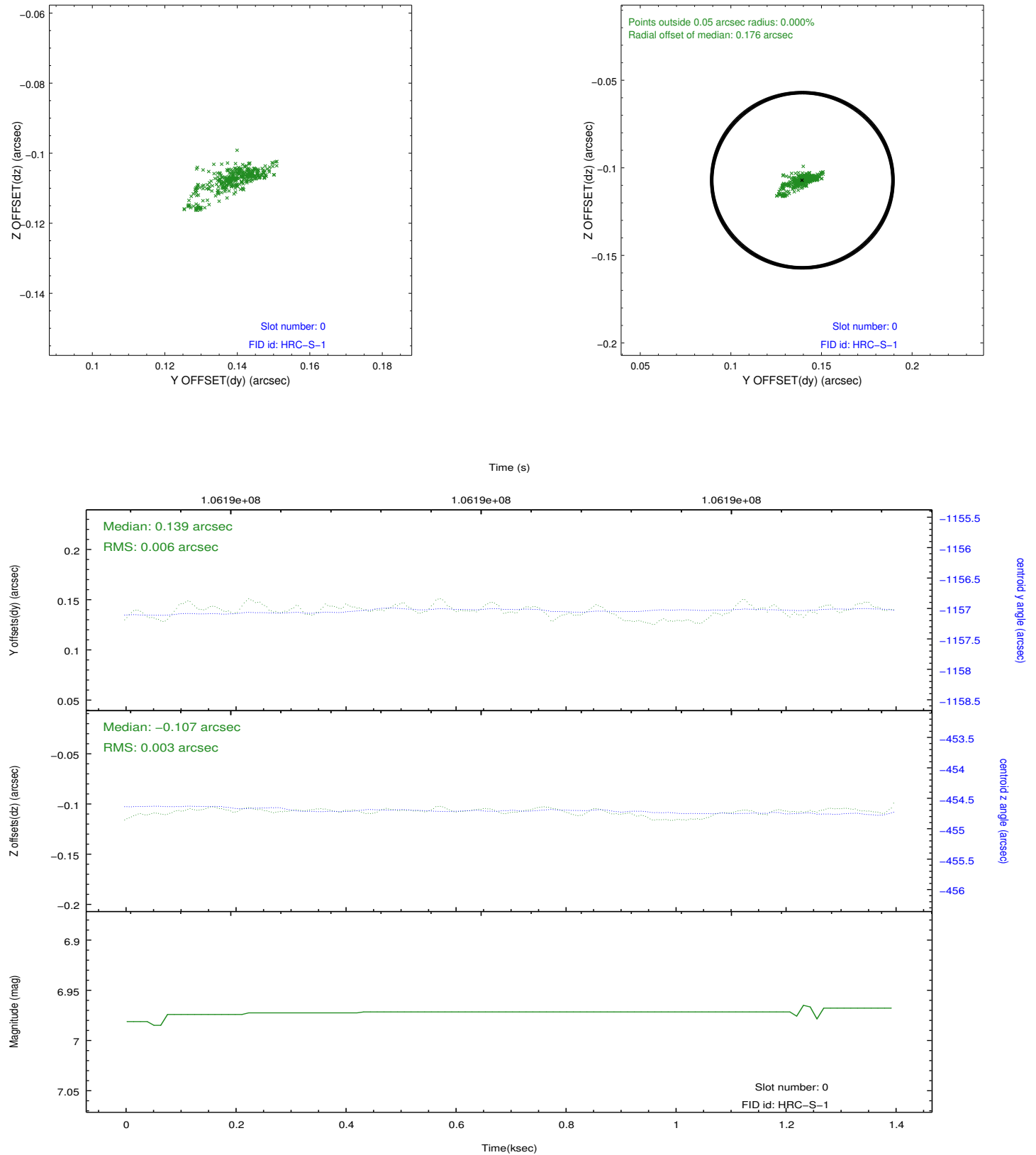


2.4.5 Slot 7

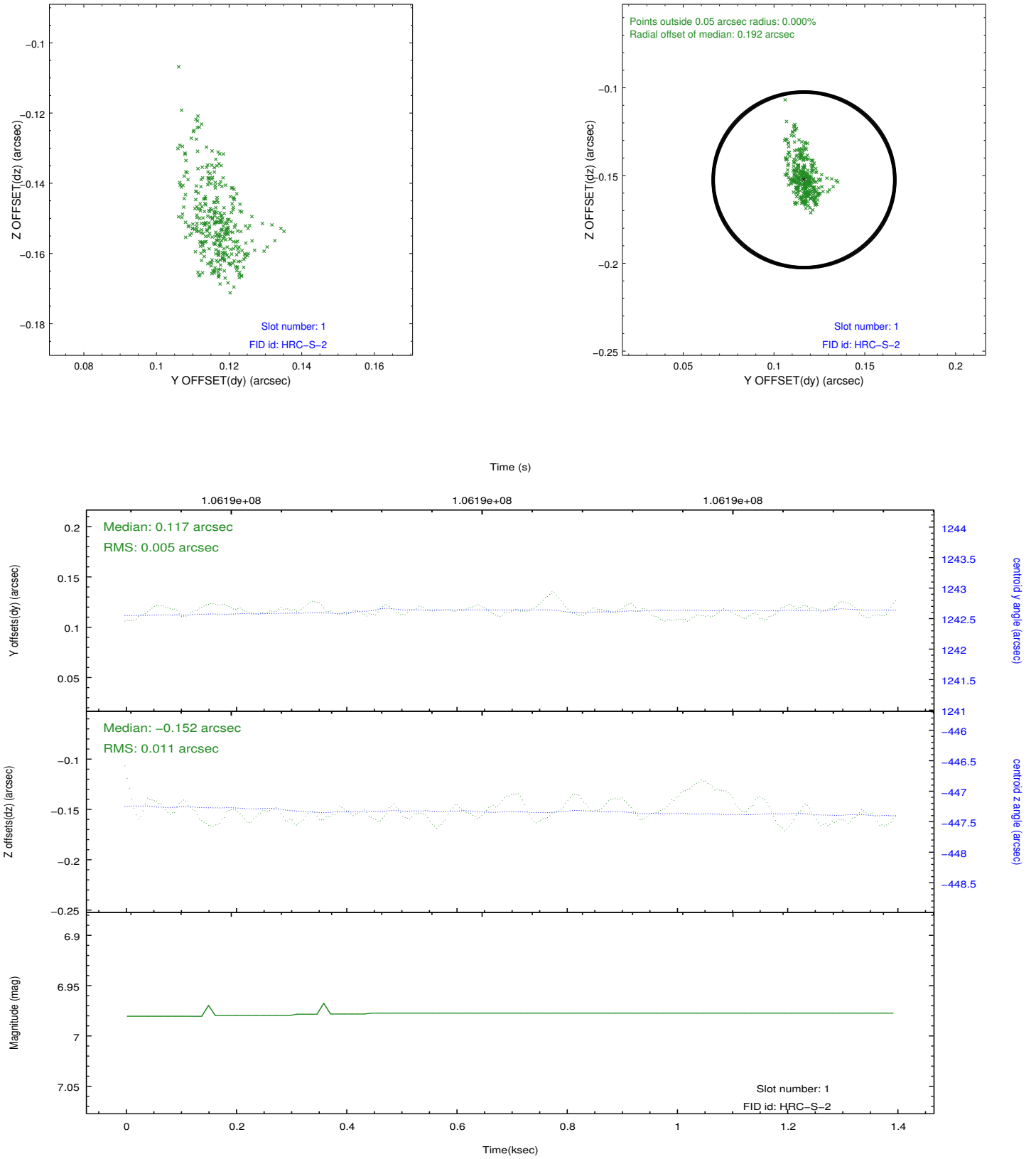


2.5 FID Slots

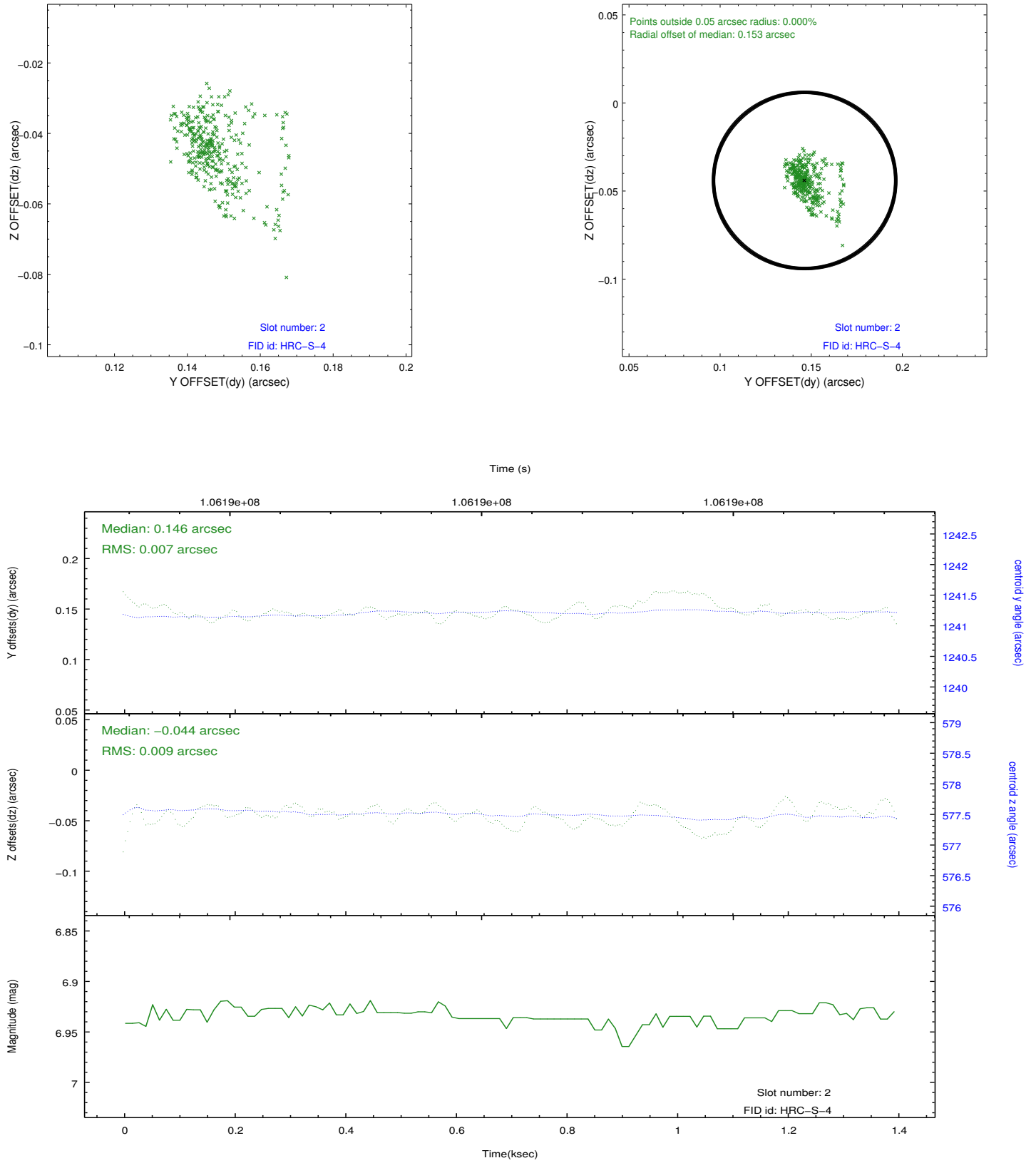
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.203

A.2 Comments

Window constraint met.