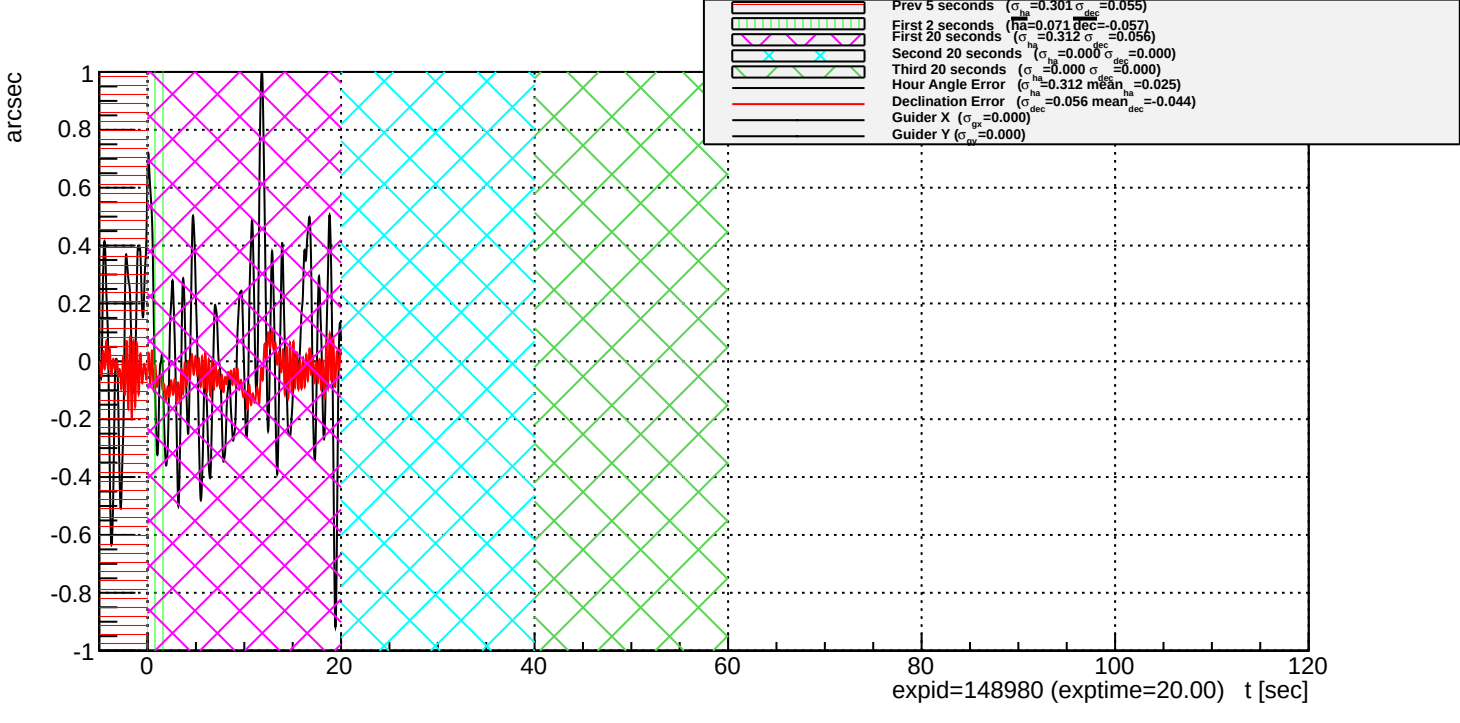
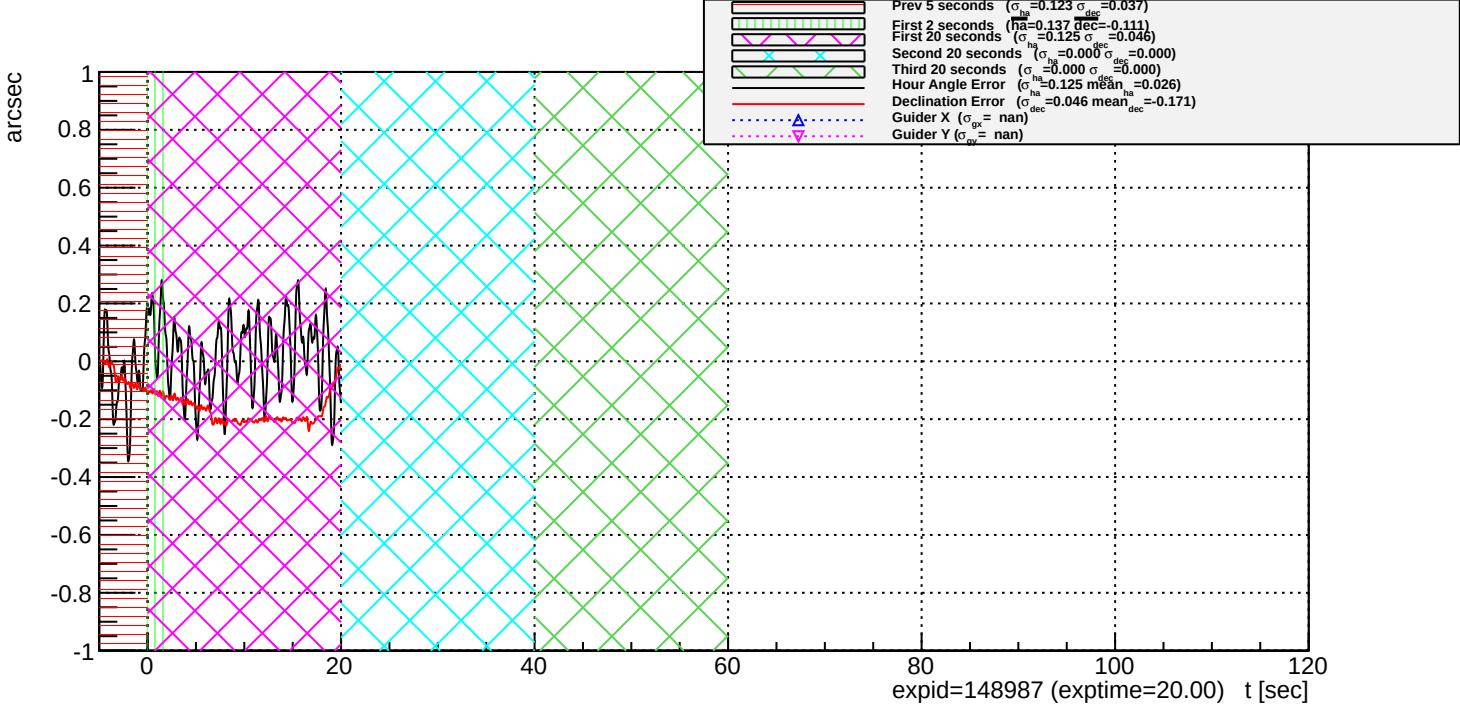
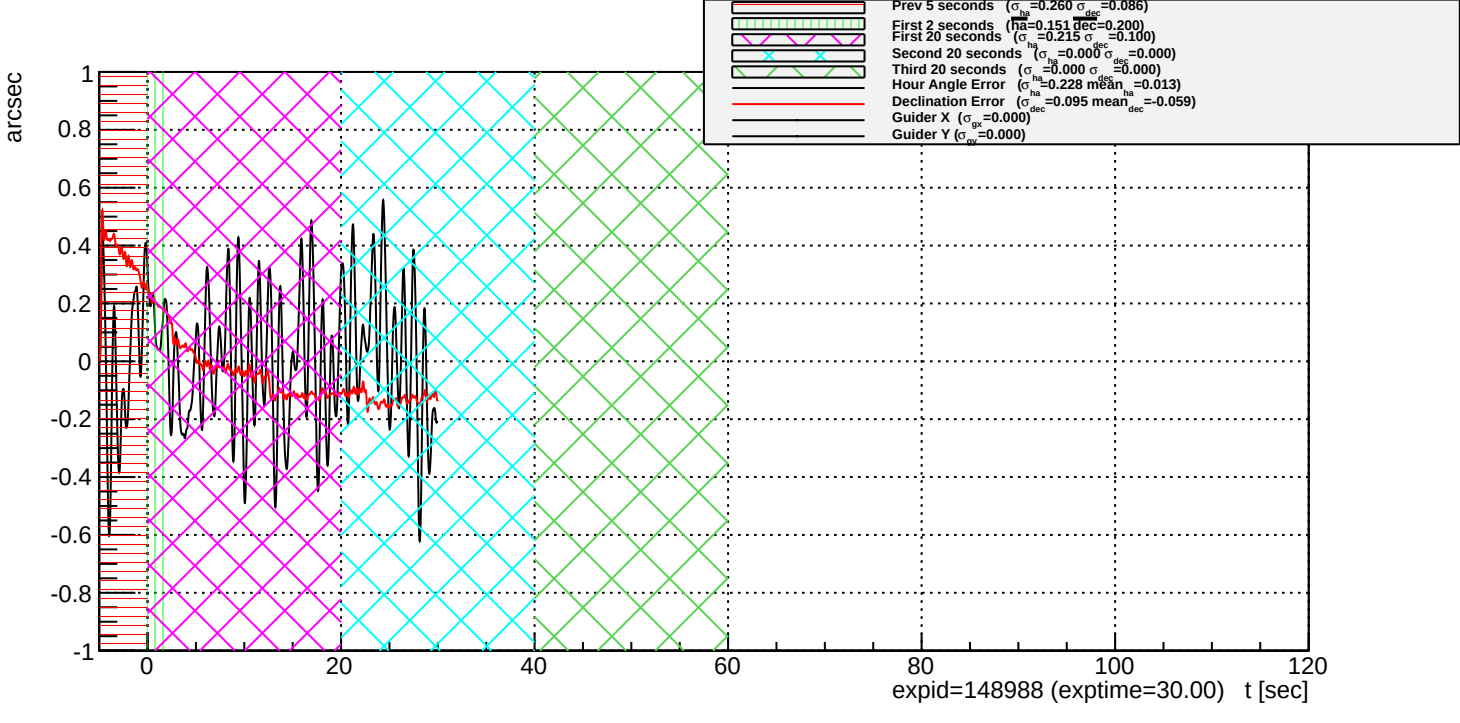
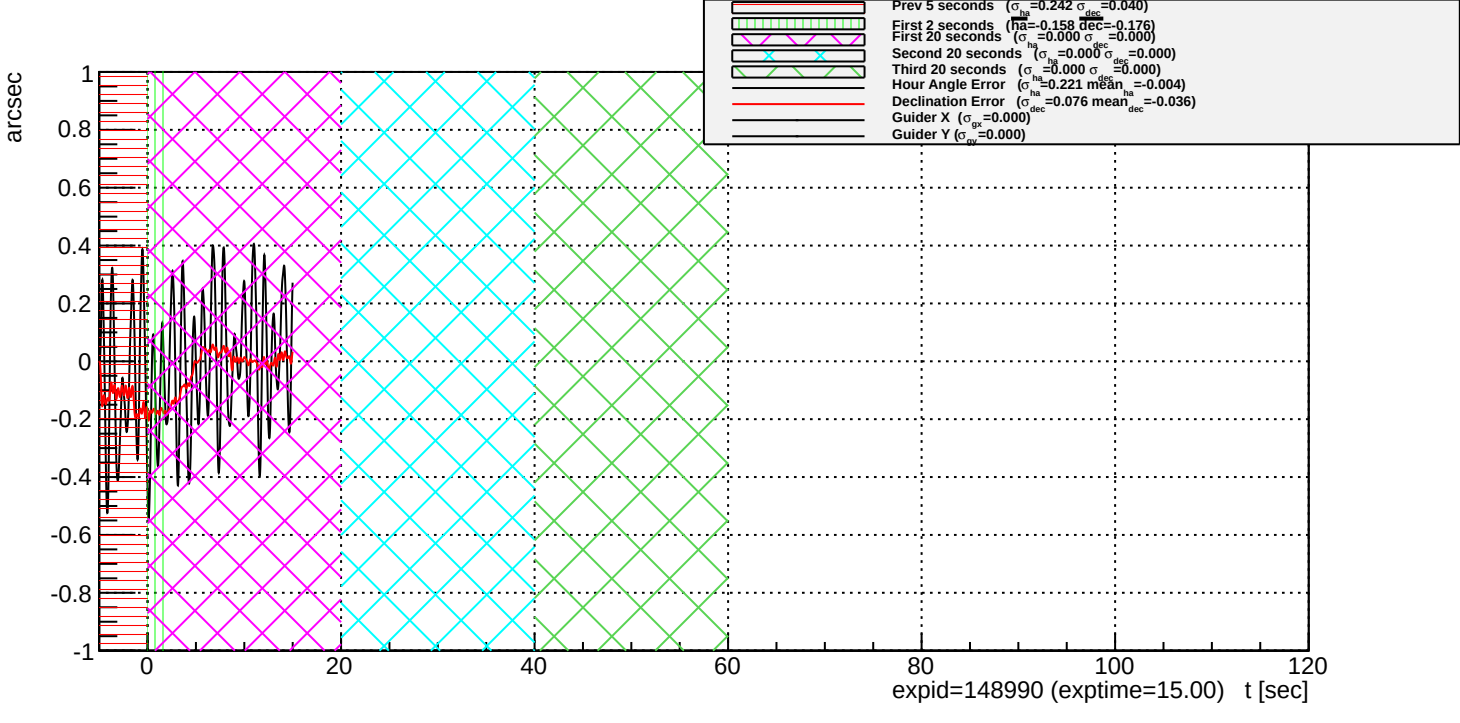
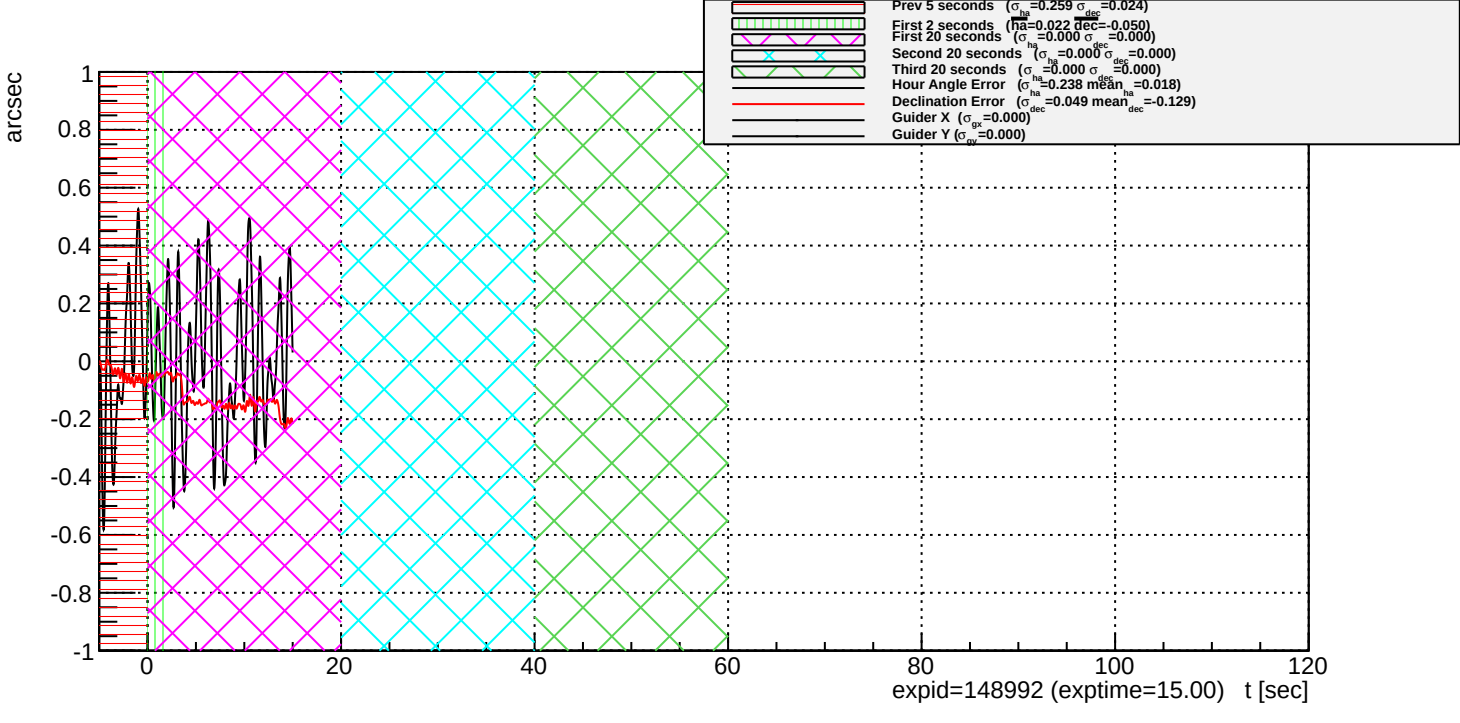
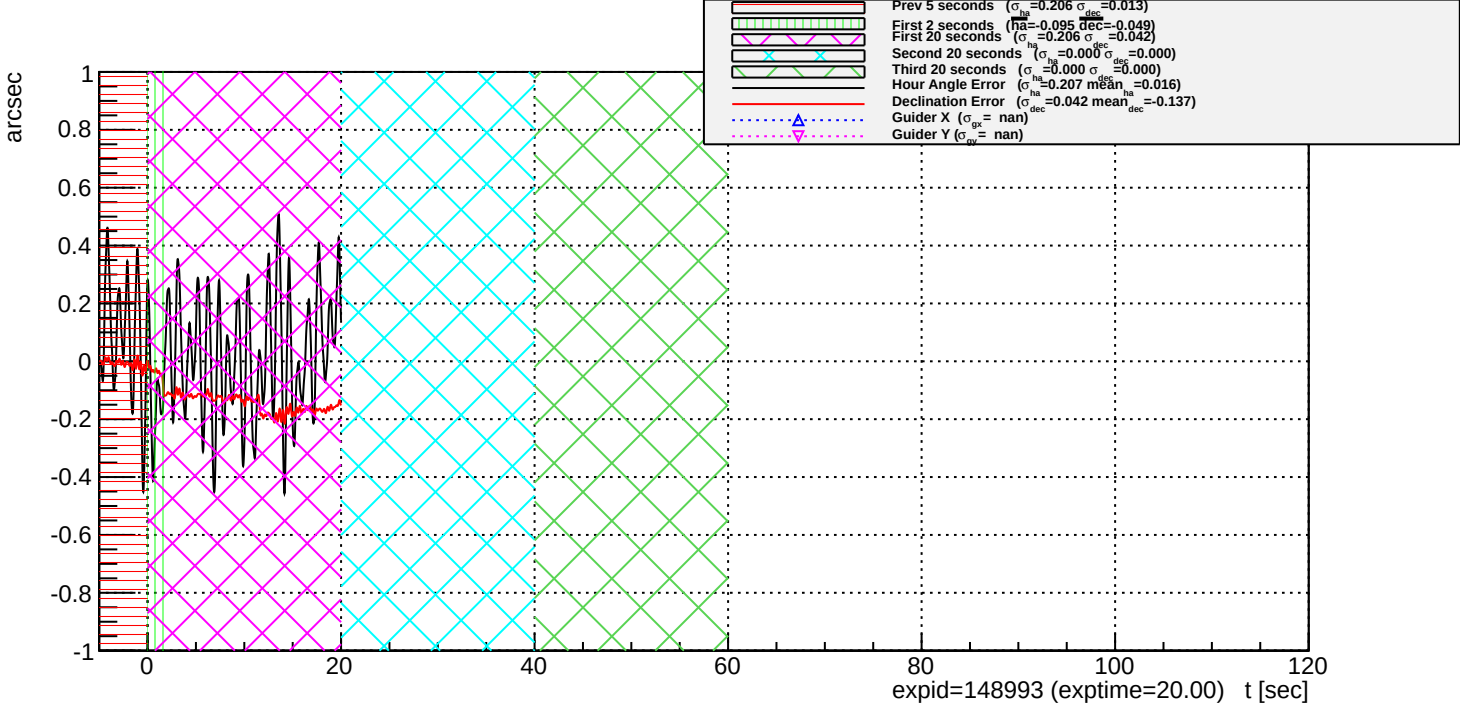

Prev 5 seconds (σ_{ha}=0.301 σ_{dec}=0.055)
First 2 seconds (ha=0.071 dec=-0.057)
First 20 seconds (σ_{ha}=0.312 σ_{dec}=0.056)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.312 $mean_{ha}$=0.025)
Declination Error (σ_{dec}=0.056 $mean_{dec}$=-0.044)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148980 (exptime=20.00) t [sec]

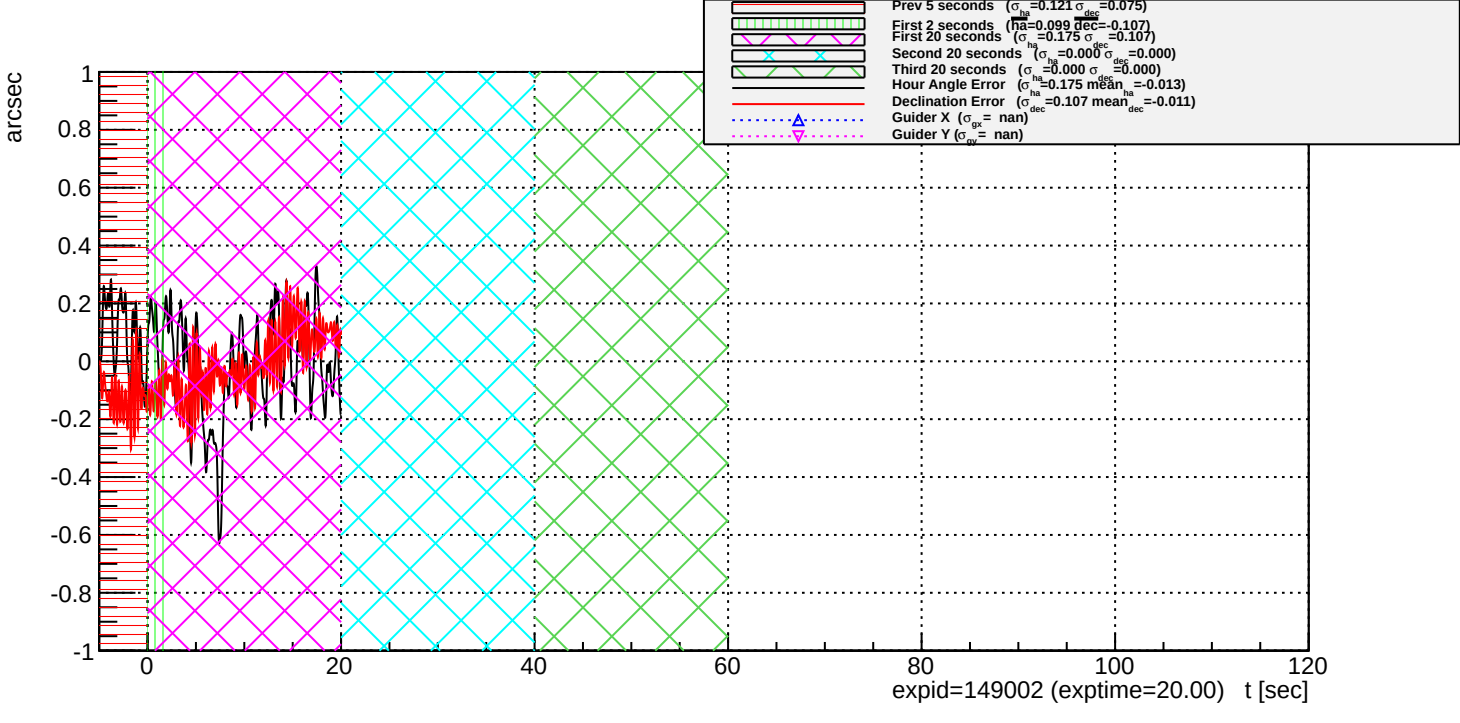

Prev 5 seconds (σ_{ha}=0.123 σ_{dec}=0.037)
First 2 seconds (ha=0.137 dec=-0.111)
First 20 seconds (σ_{ha}=0.125 σ_{dec}=0.046)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.125 $mean_{ha}$=0.026)
Declination Error (σ_{dec}=0.046 $mean_{dec}$=-0.171)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148987 (exptime=20.00) t [sec]

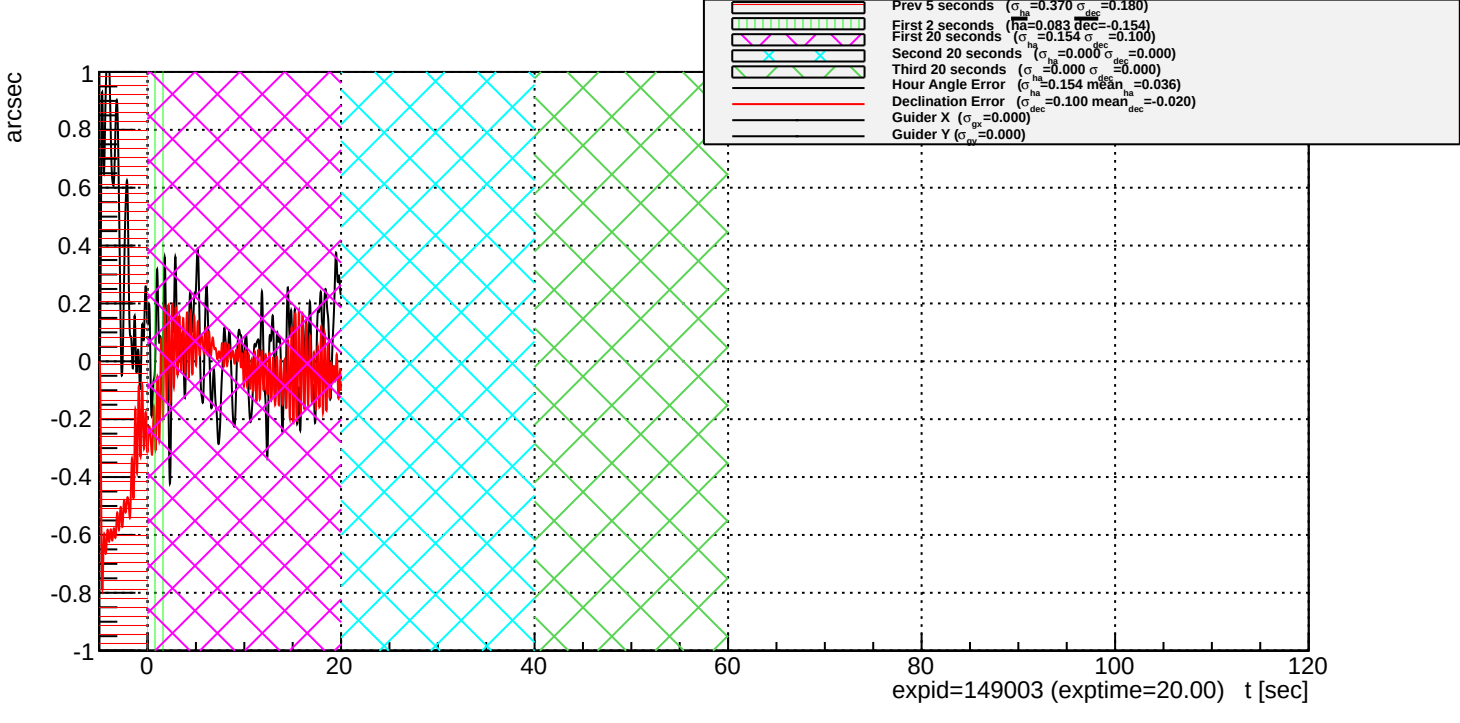

Prev 5 seconds (σ_{ha}=0.260 σ_{dec}=0.086)
First 2 seconds (σ_{ha}=0.151 σ_{dec}=0.200)
First 20 seconds (σ_{ha}=0.215 σ_{dec}=0.100)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.228 $mean_{ha}$=0.013)
Declination Error (σ_{dec}=0.095 $mean_{dec}$=-0.059)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148988 (exptime=30.00)
t [sec]

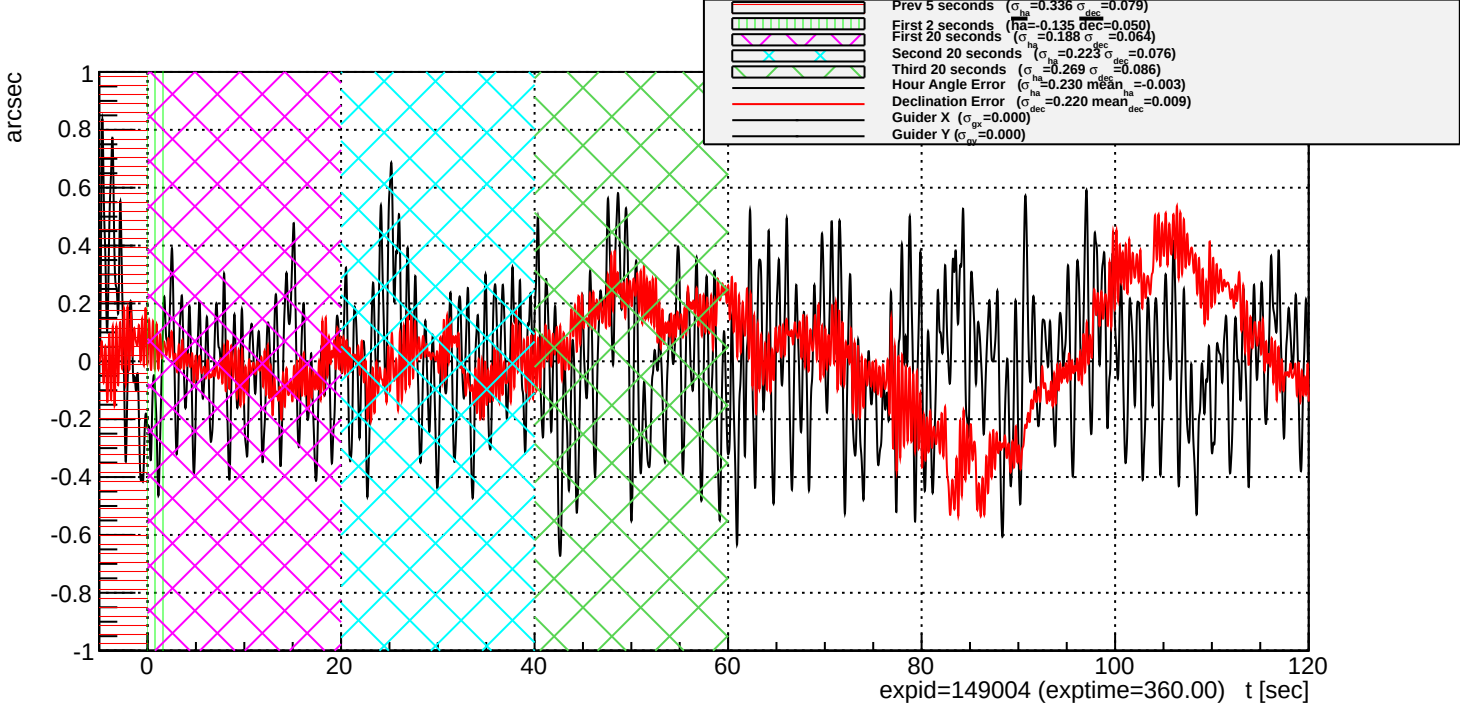

Prev 5 seconds (σ_{ha}=0.242 σ_{dec}=0.040)
First 2 seconds (mean_{ha}=-0.158 mean_{dec}=-0.176)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.221 mean_{ha}=-0.004)
Declination Error (σ_{dec}=0.076 mean_{dec}=-0.036)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148990 (exptime=15.00)
t [sec]

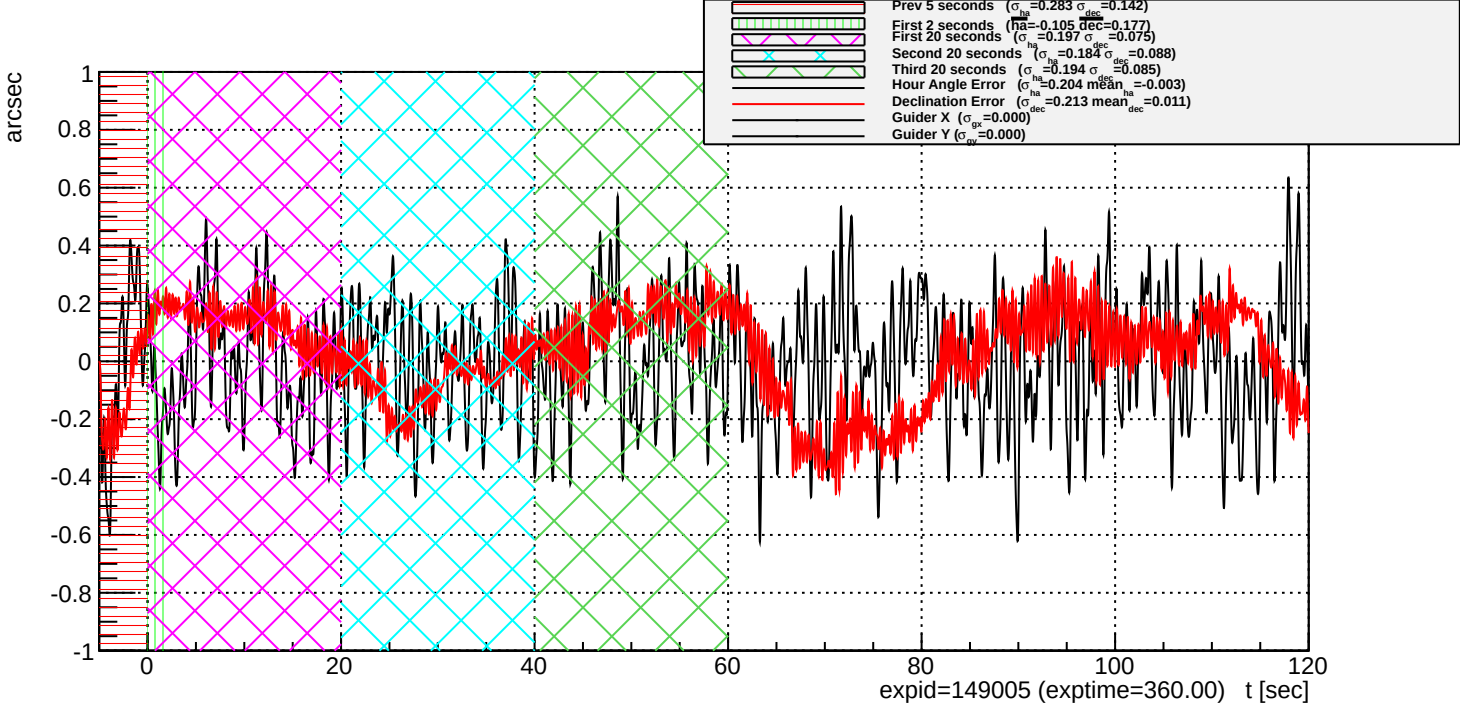

Prev 5 seconds (σ_{ha}=0.259 σ_{dec}=0.024)
First 2 seconds (σ_{ha}=0.022 σ_{dec}=-0.050)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.238 $mean_{ha}$=0.018)
Declination Error (σ_{dec}=0.049 $mean_{dec}$=-0.129)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148992 (exptime=15.00)
t [sec]

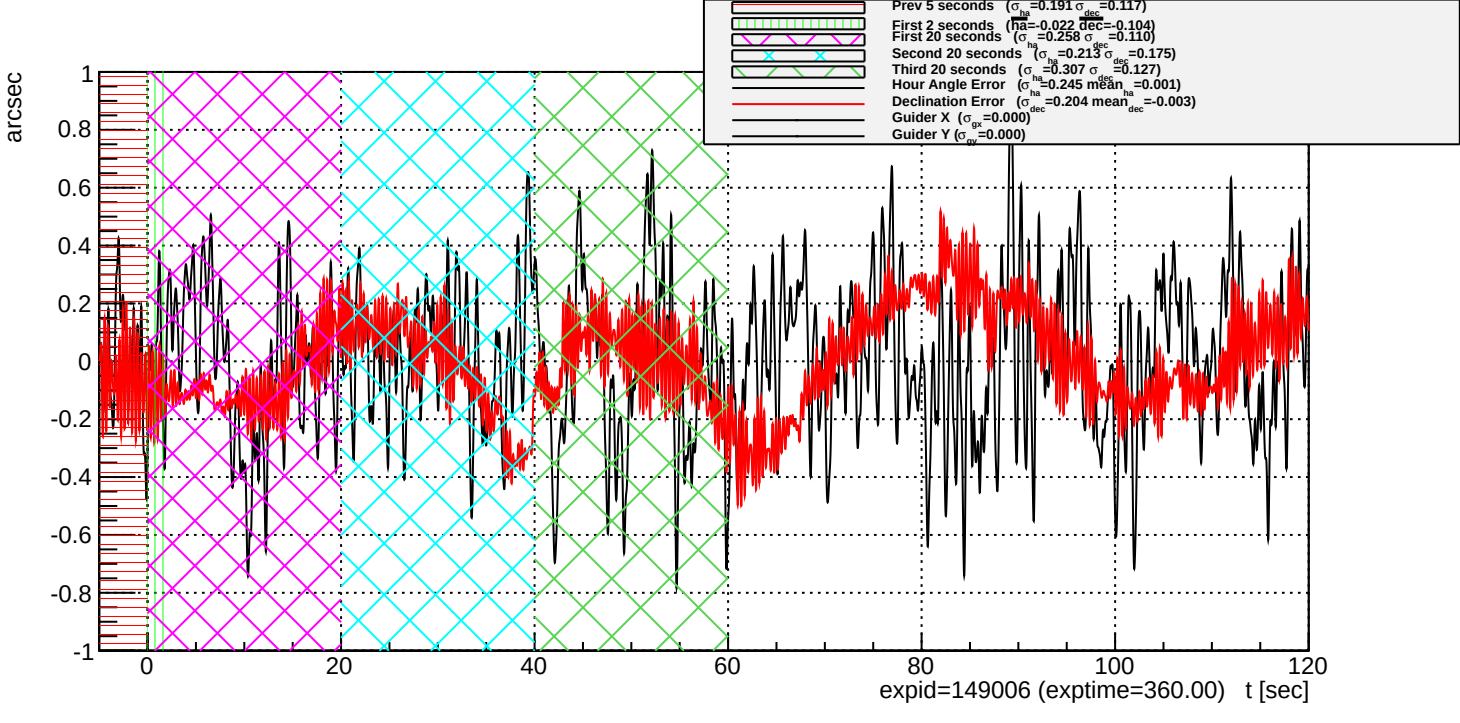

Prev 5 seconds (σ_{ha}=0.206 σ_{dec}=0.013)
First 2 seconds (ha=-0.095 dec=-0.049)
First 20 seconds (σ_{ha}=0.206 σ_{dec}=0.042)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.207 $mean_{ha}$=0.016)
Declination Error (σ_{dec}=0.042 $mean_{dec}$=-0.137)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=148993 (exptime=20.00) t [sec]

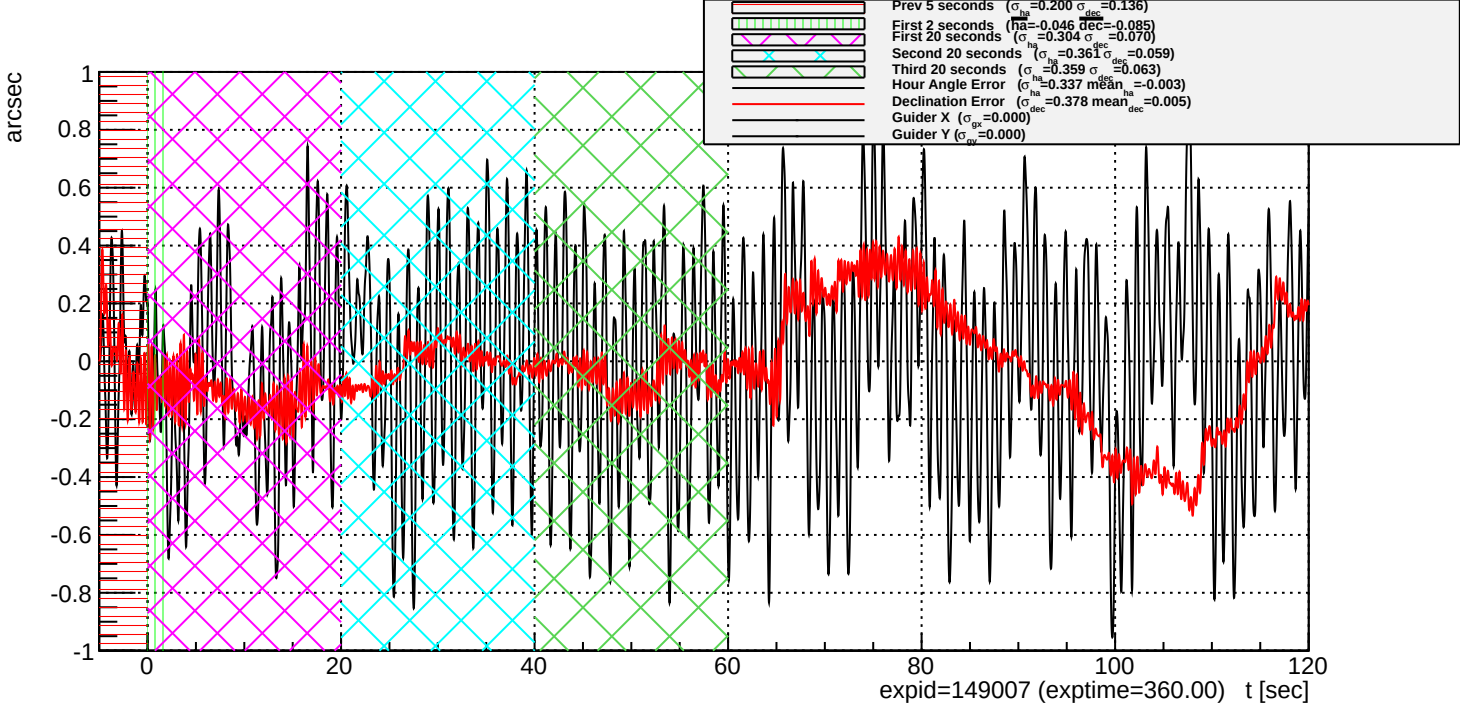

Prev 5 seconds (σ_{ha}=0.121 σ_{dec}=0.075)
First 2 seconds (σ_{ha}=0.099 σ_{dec}=-0.107)
First 20 seconds (σ_{ha}=0.175 σ_{dec}=0.107)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.175 $mean_{ha}$=-0.013)
Declination Error (σ_{dec}=0.107 $mean_{dec}$=-0.011)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149002 (exptime=20.00) t [sec]

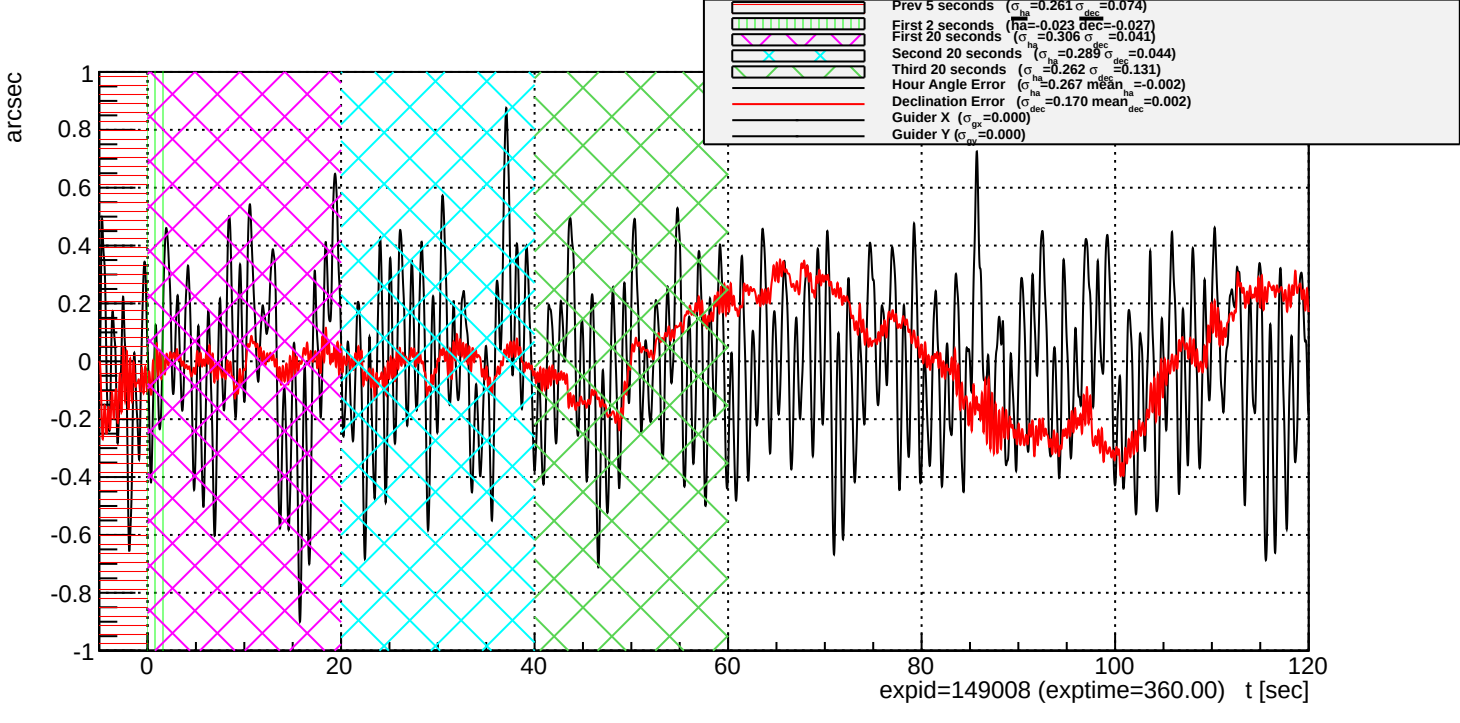

Prev 5 seconds (σ_{ha}=0.370 σ_{dec}=0.180)
First 2 seconds (ha=0.083 dec=-0.154)
First 20 seconds (σ_{ha}=0.154 σ_{dec}=0.100)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.154 $mean_{ha}$=0.036)
Declination Error (σ_{dec}=0.100 $mean_{dec}$=-0.020)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149003 (exptime=20.00)
t [sec]

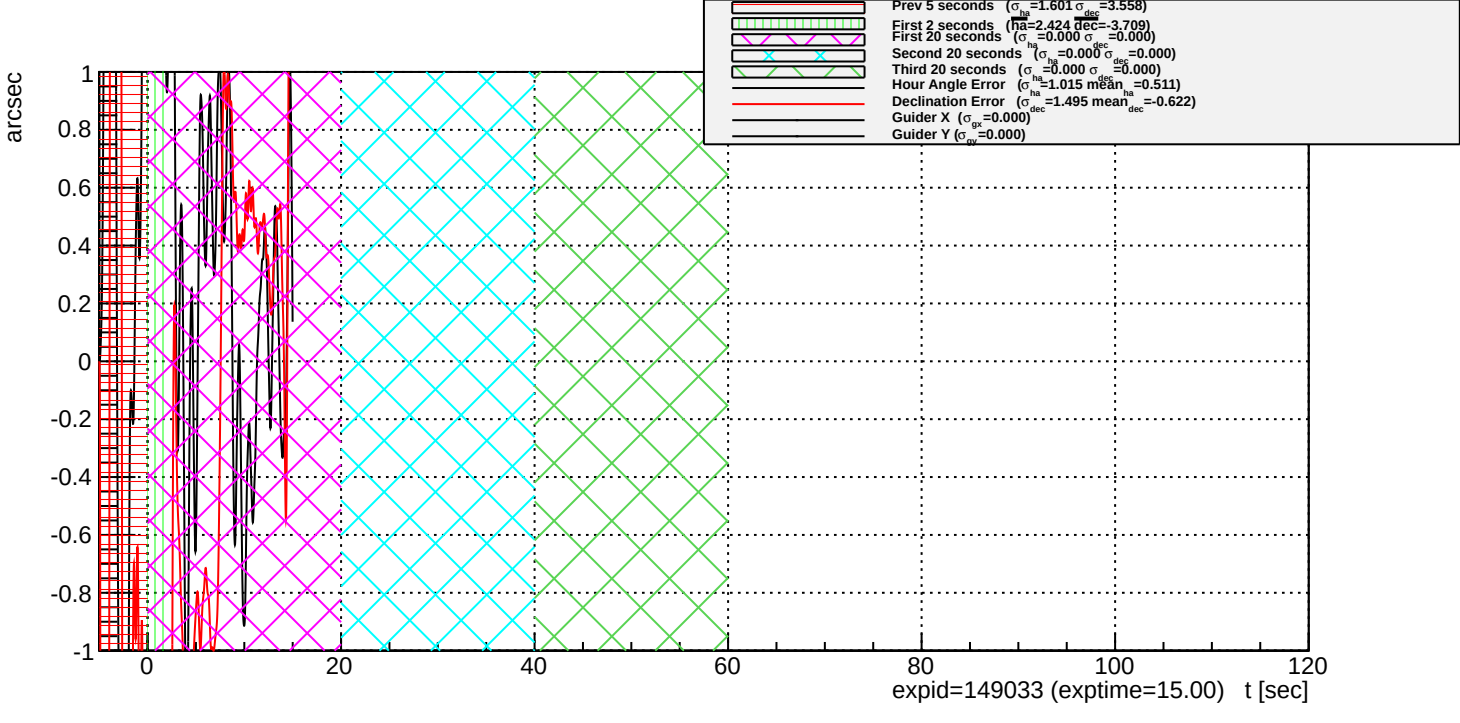

Prev 5 seconds (σ_{ha}=0.336 σ_{dec}=0.079)
First 2 seconds (σ_{ha}=0.135 σ_{dec}=0.050)
First 20 seconds (σ_{ha}=0.188 σ_{dec}=0.064)
Second 20 seconds (σ_{ha}=0.223 σ_{dec}=0.076)
Third 20 seconds (σ_{ha}=0.269 σ_{dec}=0.086)
Hour Angle Error (σ_{ha}=0.230 $mean_{ha}$=-0.003)
Declination Error (σ_{dec}=0.220 $mean_{dec}$=0.009)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149004 (exptime=360.00) t [sec]

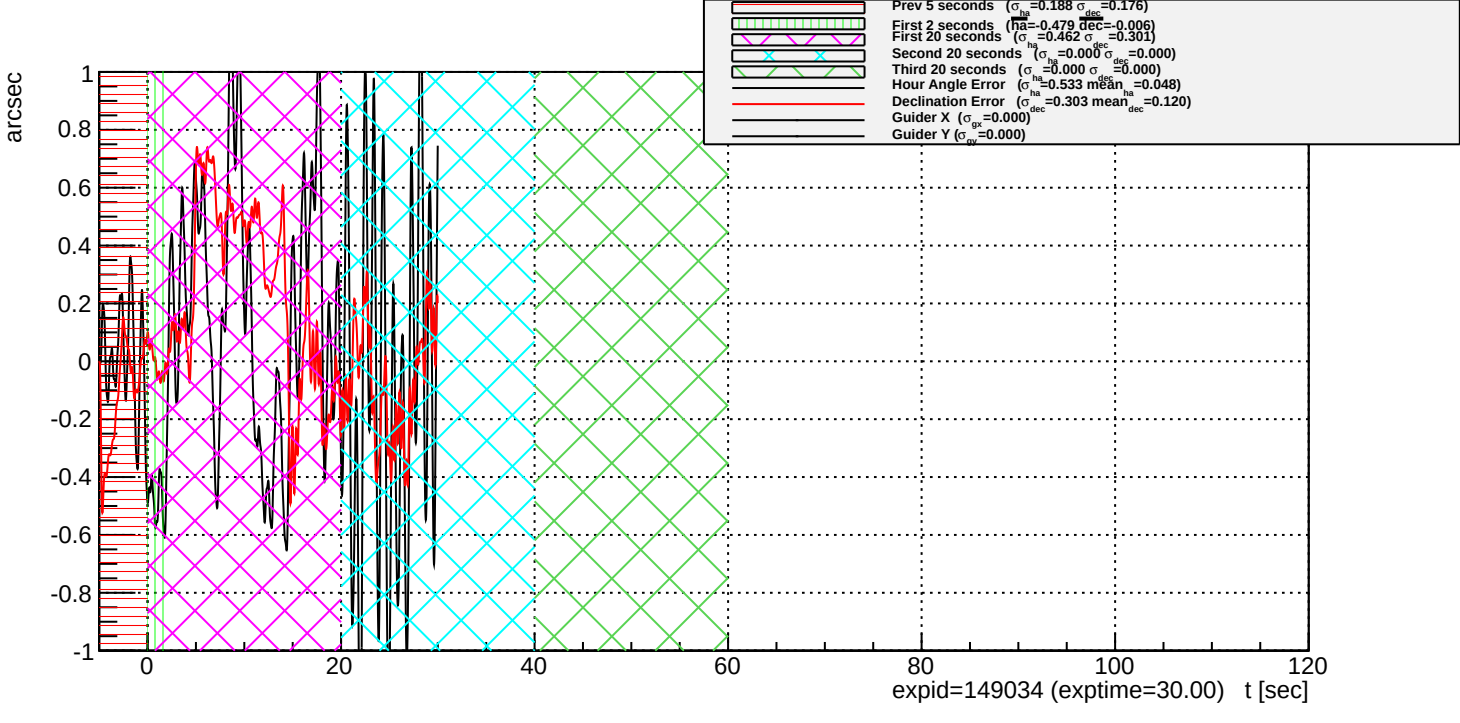

Prev 5 seconds (σ_{ha}=0.283 σ_{dec}=0.142)
First 2 seconds (ha=-0.105 dec=0.177)
First 20 seconds (σ_{ha}=0.197 σ_{dec}=0.075)
Second 20 seconds (σ_{ha}=0.184 σ_{dec}=0.088)
Third 20 seconds (σ_{ha}=0.194 σ_{dec}=0.085)
Hour Angle Error (σ_{ha}=0.204 $mean_{ha}$=-0.003)
Declination Error (σ_{dec}=0.213 $mean_{dec}$=0.011)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149005 (exptime=360.00) t [sec]

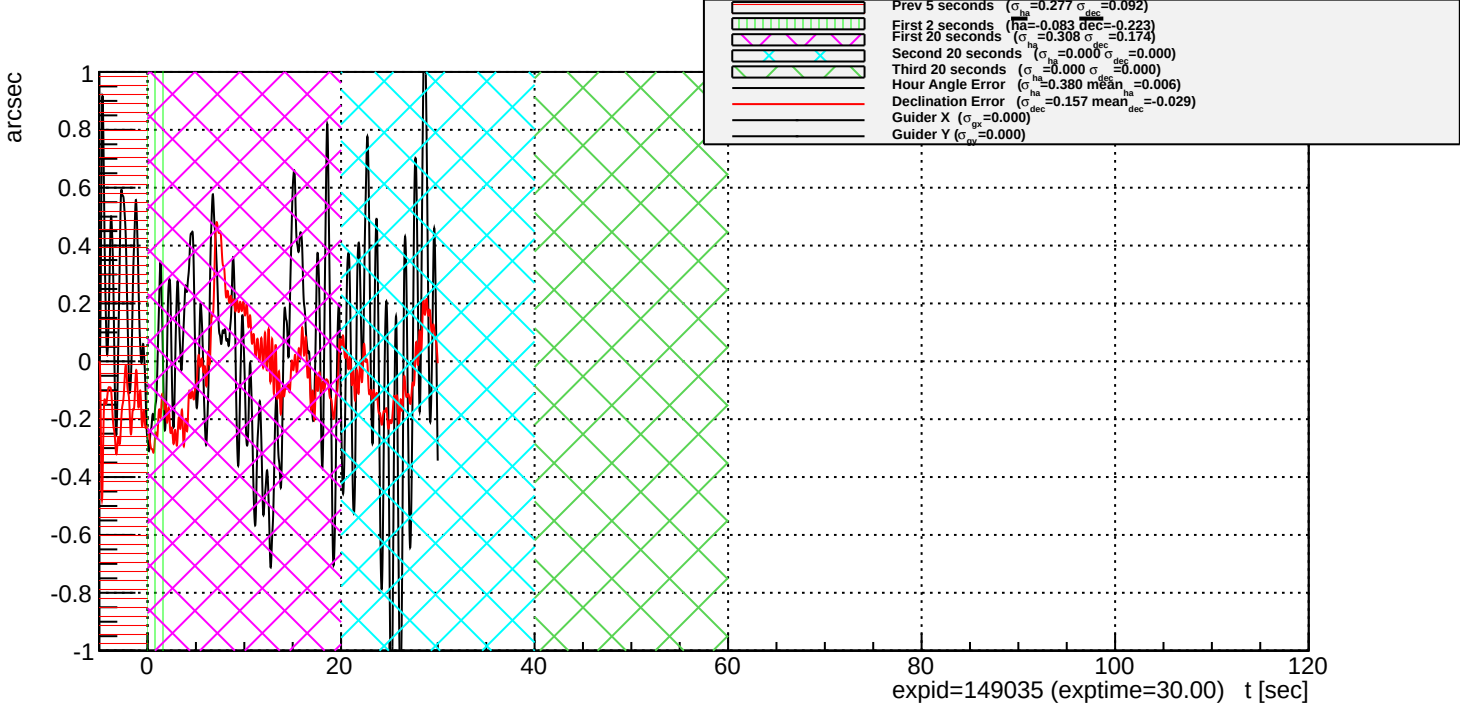

Prev 5 seconds (σ_{ha}=0.191 σ_{dec}=0.117)
First 2 seconds (σ_{ha}=-0.022 σ_{dec}=-0.104)
First 20 seconds (σ_{ha}=0.258 σ_{dec}=0.110)
Second 20 seconds (σ_{ha}=0.213 σ_{dec}=0.175)
Third 20 seconds (σ_{ha}=0.307 σ_{dec}=0.127)
Hour Angle Error (σ_{ha}=0.245 $mean_{ha}$=0.001)
Declination Error (σ_{dec}=0.204 $mean_{dec}$=-0.003)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149006 (exptime=360.00)
t [sec]

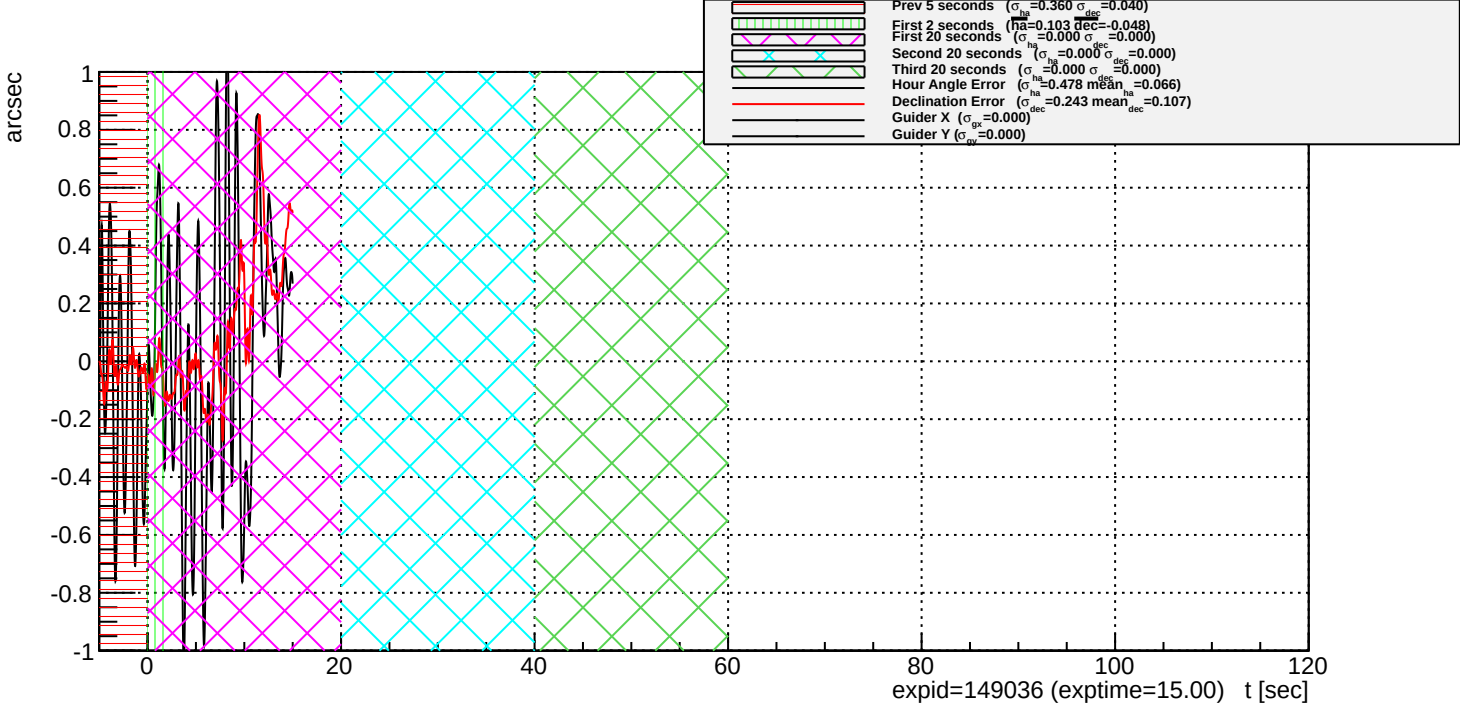

Prev 5 seconds (σ_{ha}=0.200 σ_{dec}=0.136)
First 2 seconds ($\overline{ha}$=-0.046 $\overline{dec}$=-0.085)
First 20 seconds (σ_{ha}=0.304 σ_{dec}=0.070)
Second 20 seconds (σ_{ha}=0.361 σ_{dec}=0.059)
Third 20 seconds (σ_{ha}=0.359 σ_{dec}=0.063)
Hour Angle Error (σ_{ha}=0.337 $mean_{ha}$=-0.003)
Declination Error (σ_{dec}=0.378 $mean_{dec}$=0.005)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149007 (exptime=360.00) t [sec]

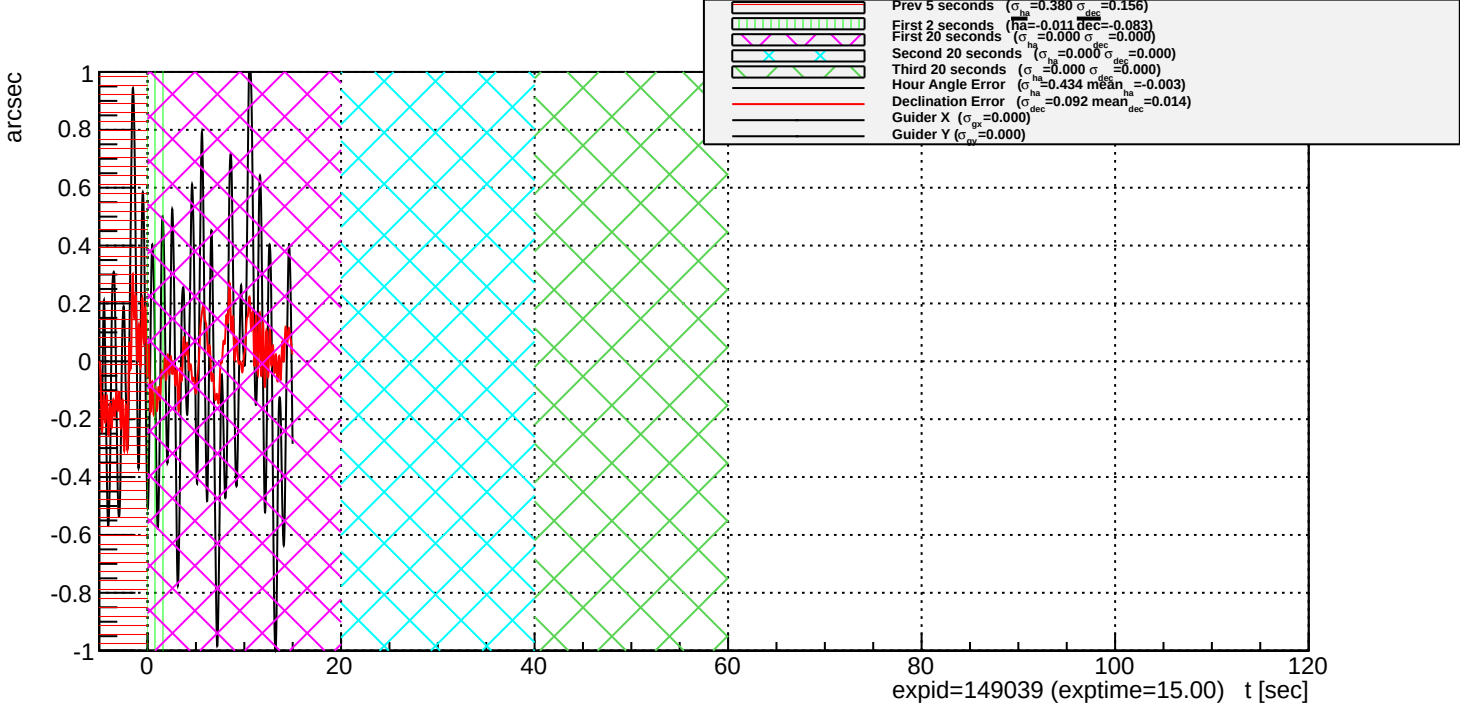

Prev 5 seconds (σ_{ha}=0.261 σ_{dec}=0.074)
First 2 seconds (σ_{ha}=-0.023 σ_{dec}=-0.027)
First 20 seconds (σ_{ha}=0.306 σ_{dec}=0.041)
Second 20 seconds (σ_{ha}=0.289 σ_{dec}=0.044)
Third 20 seconds (σ_{ha}=0.262 σ_{dec}=0.131)
Hour Angle Error (σ_{ha}=0.267 $mean_{ha}$=-0.002)
Declination Error (σ_{dec}=0.170 $mean_{dec}$=0.002)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149008 (exptime=360.00) t [sec]

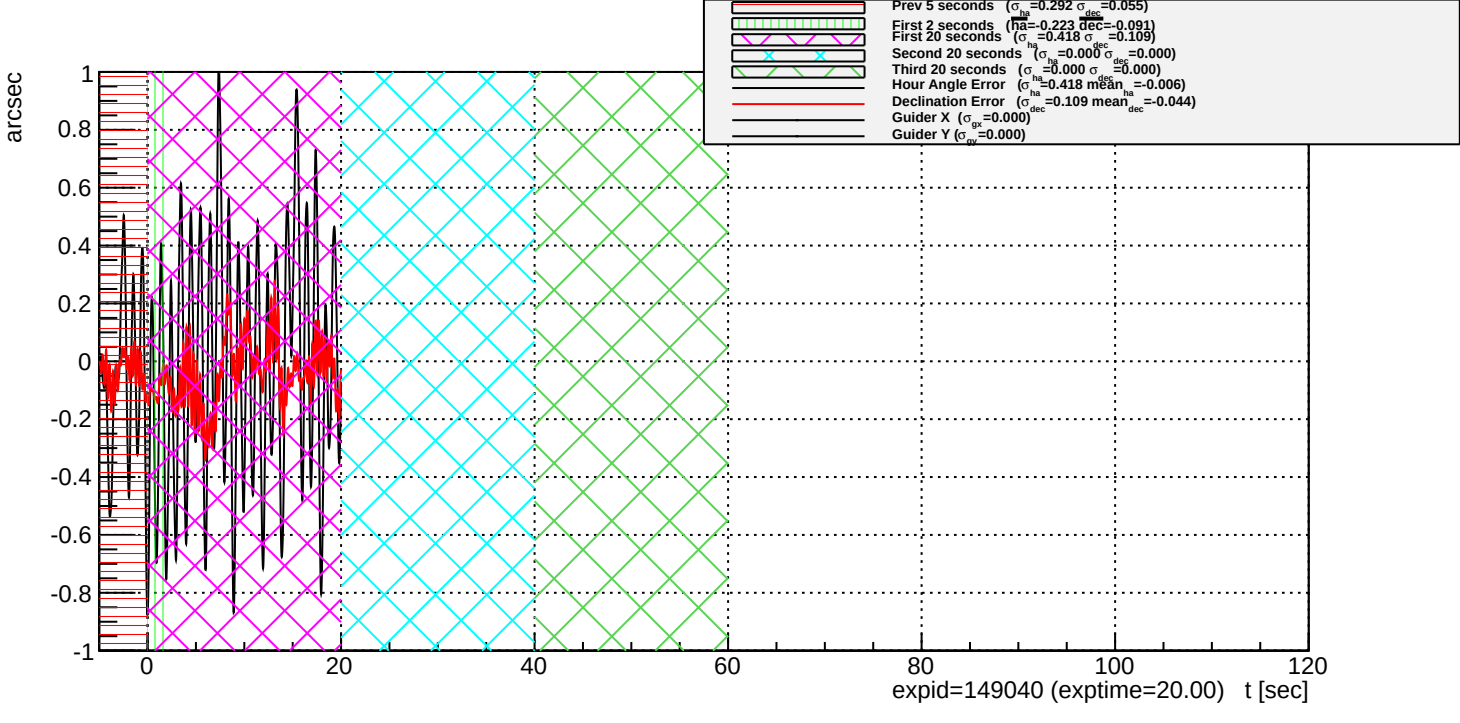

Prev 5 seconds (σ_{ha}=1.601 σ_{dec}=3.558)
First 2 seconds (ha=2.424 dec=-3.709)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=1.015 $mean_{ha}$=0.511)
Declination Error (σ_{dec}=1.495 $mean_{dec}$=-0.622)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149033 (exptime=15.00) t [sec]

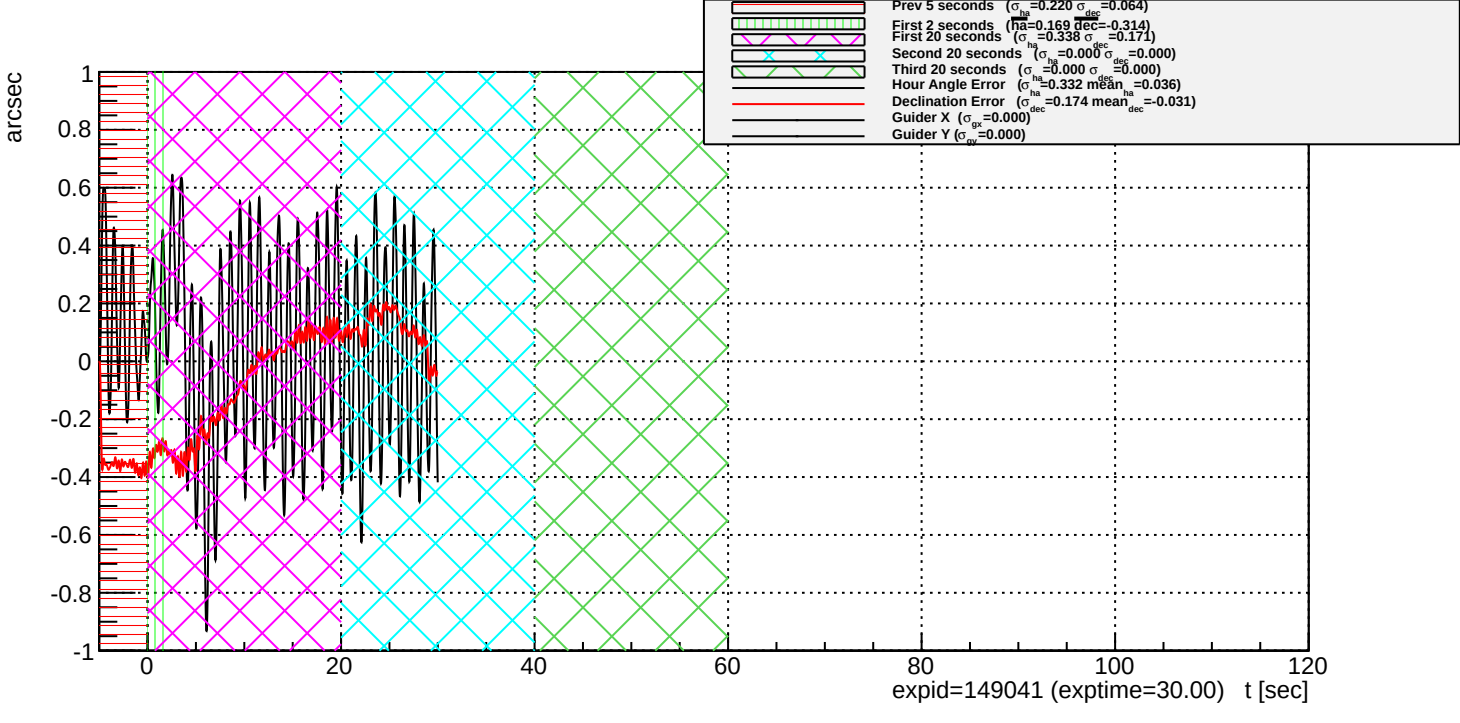

Prev 5 seconds (σ_{ha}=0.188 σ_{dec}=0.176)
First 2 seconds (ha=-0.479 dec=-0.006)
First 20 seconds (σ_{ha}=0.462 σ_{dec}=0.301)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.533 $mean_{ha}$=0.048)
Declination Error (σ_{dec}=0.303 $mean_{dec}$=0.120)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149034 (exptime=30.00) t [sec]

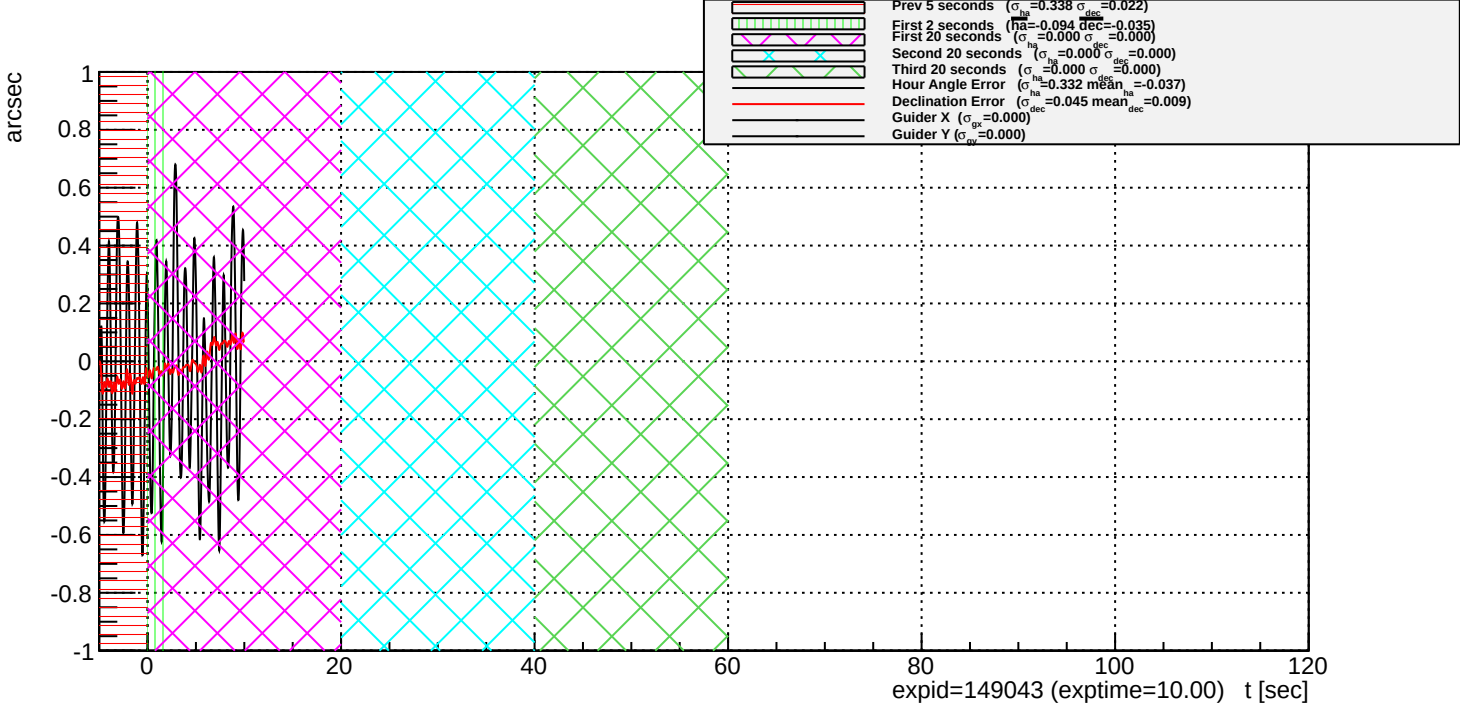

Prev 5 seconds (σ_{ha}=0.277 σ_{dec}=0.092)
First 2 seconds (ha=-0.083 dec=-0.223)
First 20 seconds (σ_{ha}=0.308 σ_{dec}=0.174)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.380 $mean_{ha}$=0.006)
Declination Error (σ_{dec}=0.157 $mean_{dec}$=-0.029)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149035 (exptime=30.00) t [sec]

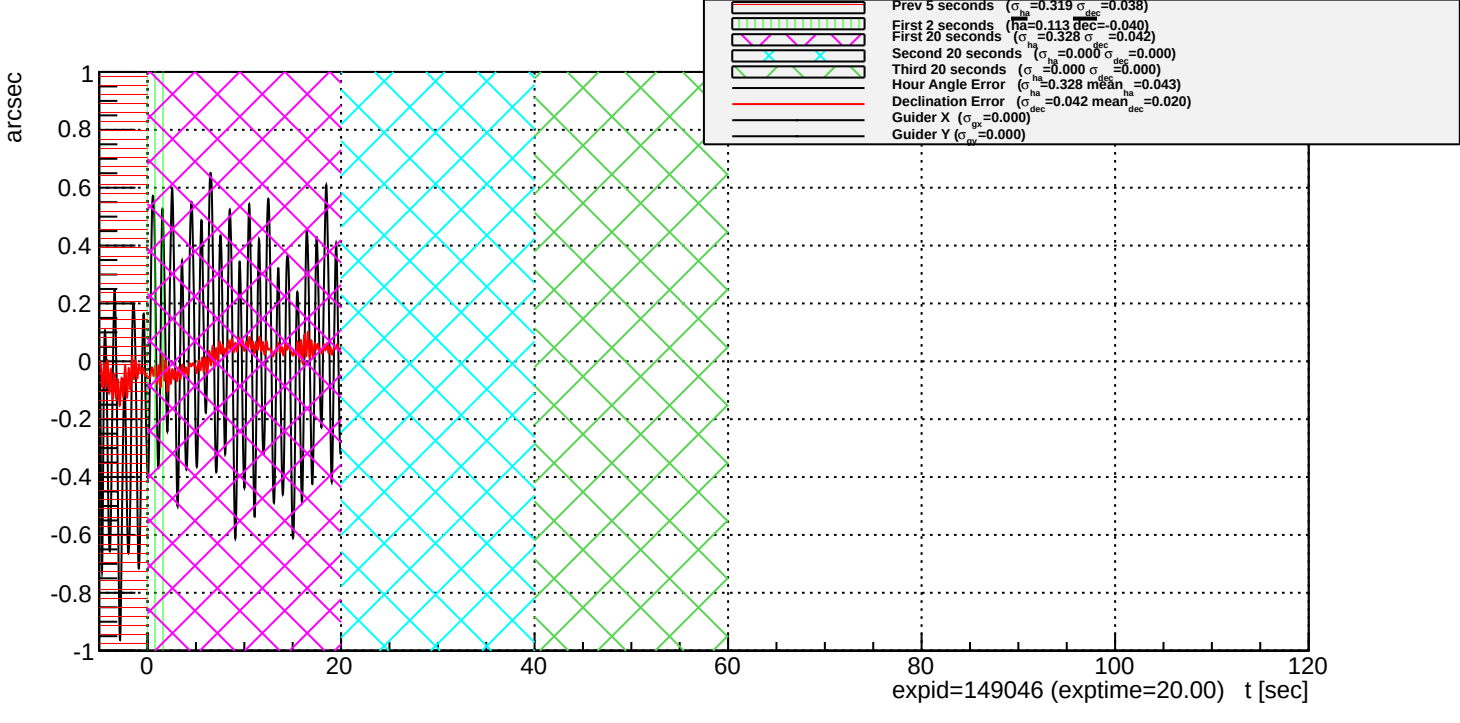

Prev 5 seconds (σ_{ha}=0.360 σ_{dec}=0.040)
First 2 seconds (ha=0.103 dec=-0.048)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.478 $mean_{ha}$=0.066)
Declination Error (σ_{dec}=0.243 $mean_{dec}$=0.107)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149036 (exptime=15.00) t [sec]

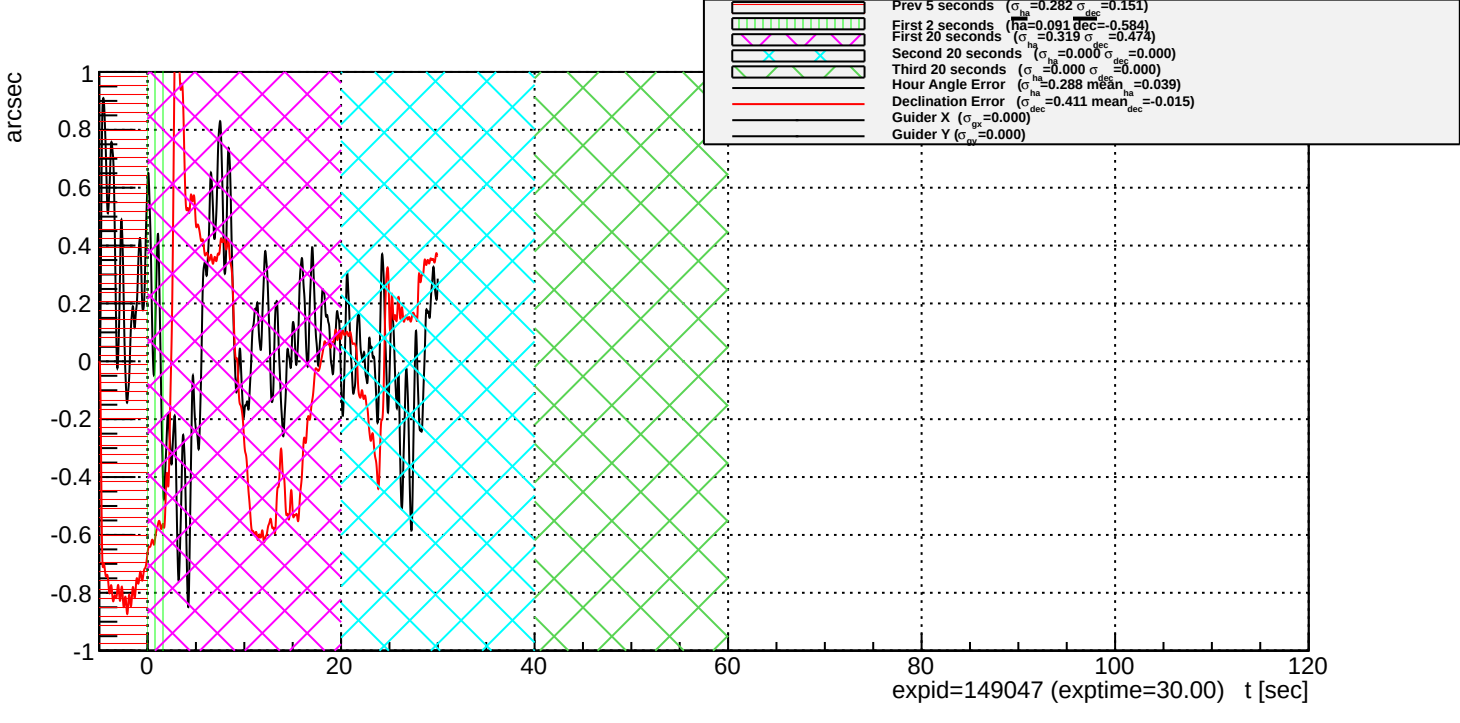

Prev 5 seconds (σ_{ha}=0.380 σ_{dec}=0.156)
First 2 seconds (mean_{ha}=-0.011 mean_{dec}=-0.083)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.434 mean_{ha}=-0.003)
Declination Error (σ_{dec}=0.092 mean_{dec}=0.014)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149039 (exptime=15.00) t [sec]

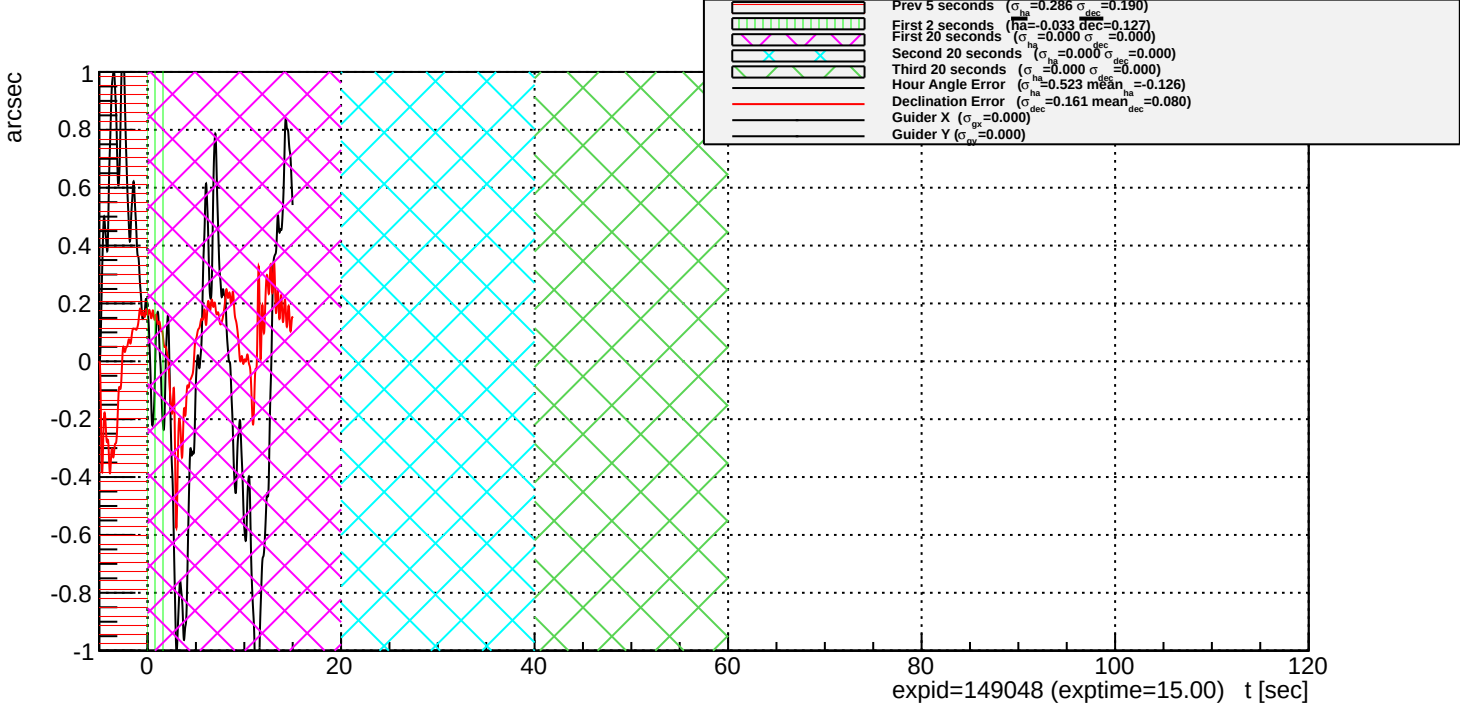

Prev 5 seconds (σ_{ha}=0.292 σ_{dec}=0.055)
First 2 seconds (σ_{ha}=-0.223 σ_{dec}=-0.091)
First 20 seconds (σ_{ha}=0.418 σ_{dec}=0.109)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.418 $mean_{ha}$=-0.006)
Declination Error (σ_{dec}=0.109 $mean_{dec}$=-0.044)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149040 (exptime=20.00) t [sec]

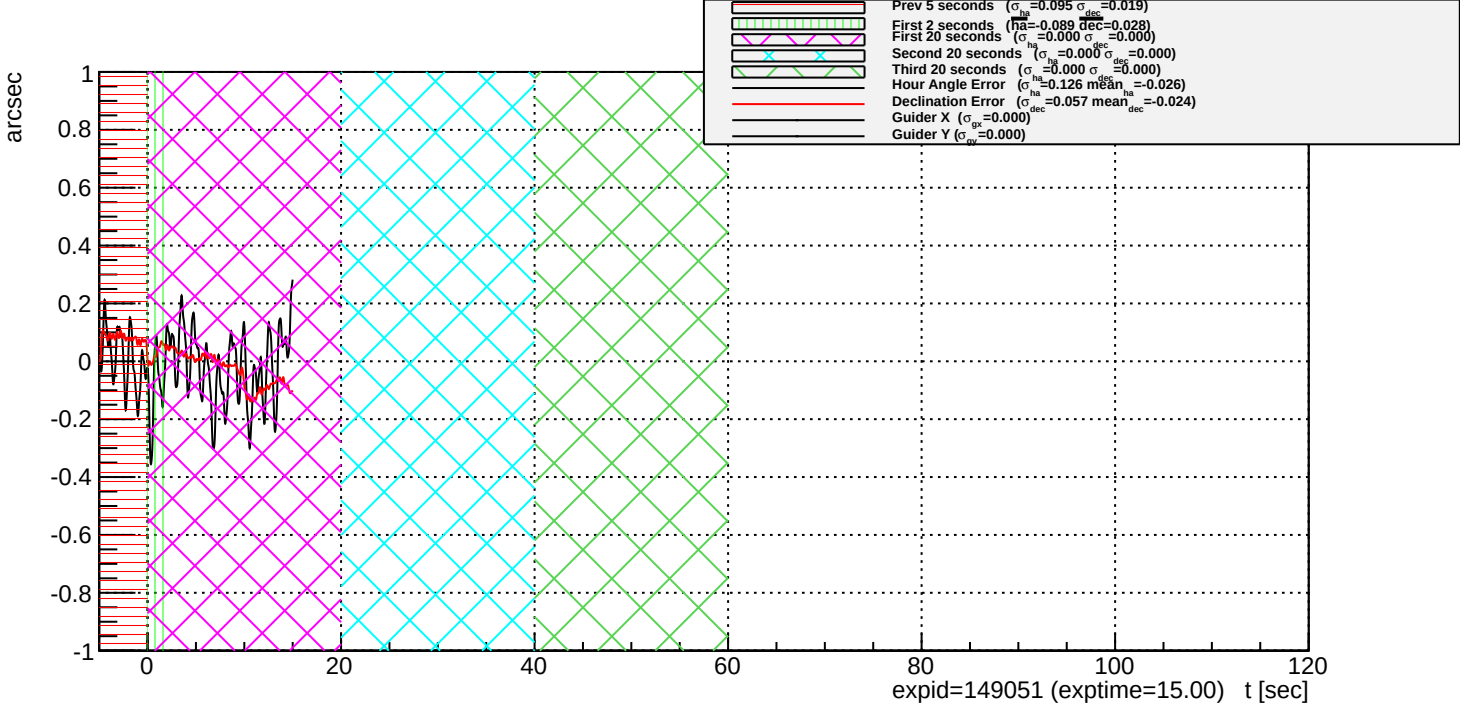

Prev 5 seconds (σ_{ha}=0.220 σ_{dec}=0.064)
First 2 seconds (ha=0.169 dec=-0.314)
First 20 seconds (σ_{ha}=0.338 σ_{dec}=0.171)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.332 $mean_{ha}$=0.036)
Declination Error (σ_{dec}=0.174 $mean_{dec}$=-0.031)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149041 (exptime=30.00) t [sec]

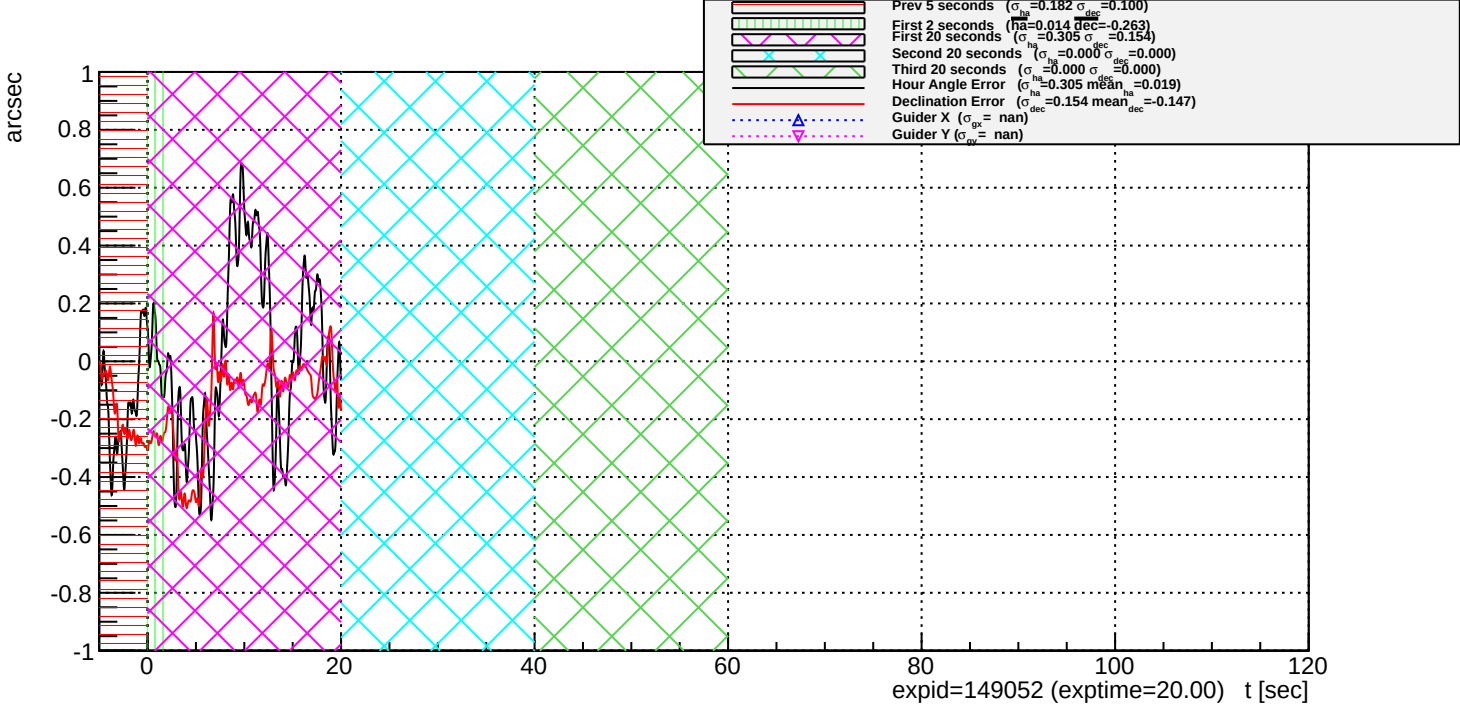

Prev 5 seconds (σ_{ha}=0.338 σ_{dec}=0.022)
First 2 seconds (ha=-0.094 dec=-0.035)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.332 $mean_{ha}$=-0.037)
Declination Error (σ_{dec}=0.045 $mean_{dec}$=0.009)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149043 (exptime=10.00) t [sec]

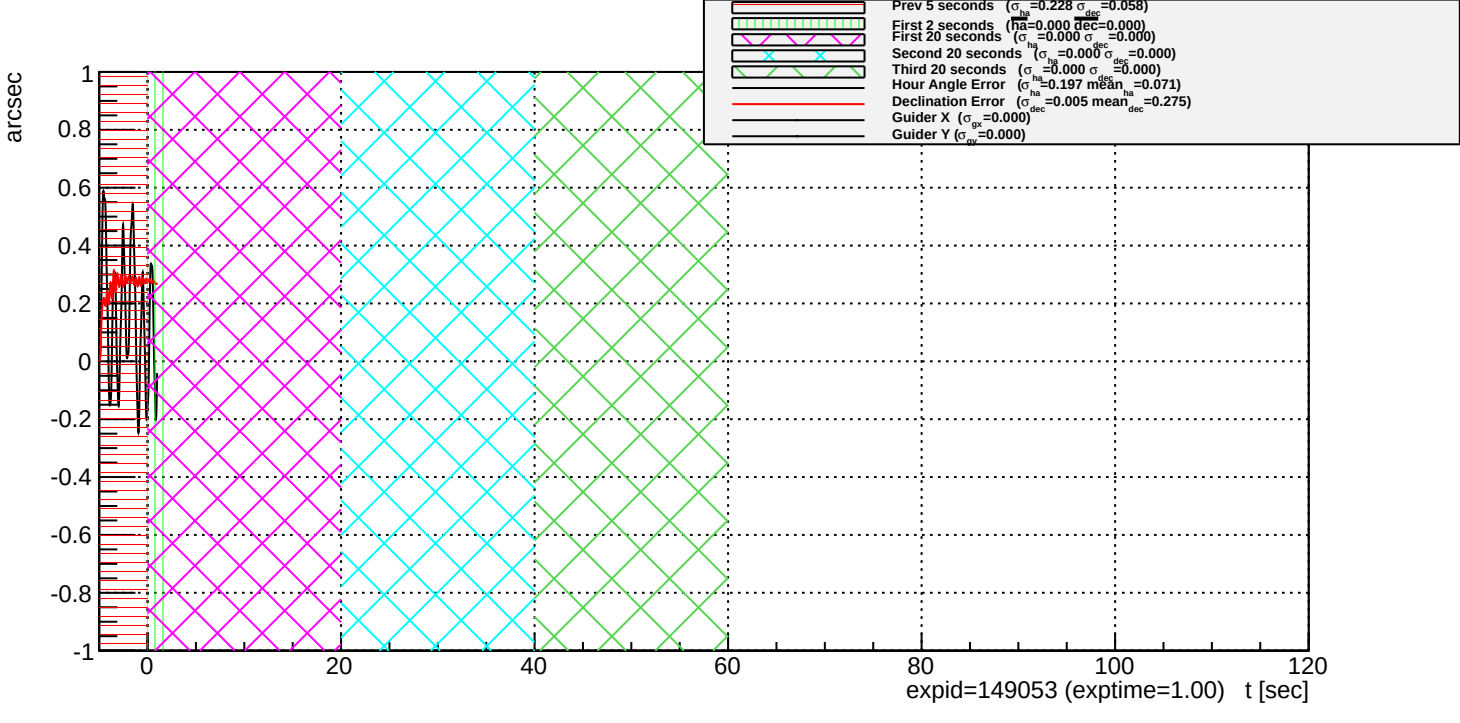

Prev 5 seconds (σ_{ha}=0.319 σ_{dec}=0.038)
First 2 seconds ($\overline{ha}$=0.113 $\overline{dec}$=-0.040)
First 20 seconds (σ_{ha}=0.328 σ_{dec}=0.042)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.328 $mean_{ha}$=0.043)
Declination Error (σ_{dec}=0.042 $mean_{dec}$=0.020)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149046 (exptime=20.00) t [sec]

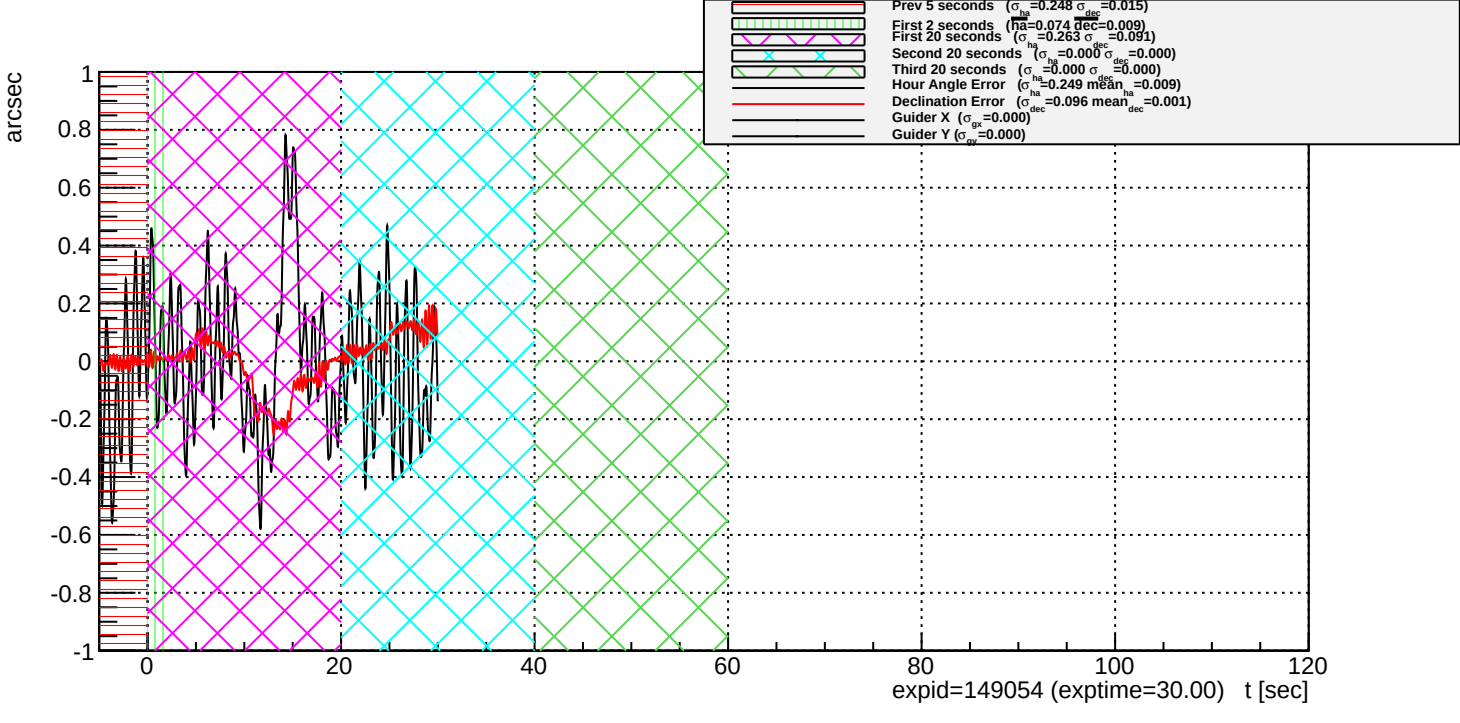

Prev 5 seconds (σ_{ha}=0.282 σ_{dec}=0.151)
First 2 seconds (ha=0.091 dec=-0.584)
First 20 seconds (σ_{ha}=0.319 σ_{dec}=0.474)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.288 $mean_{ha}$=0.039)
Declination Error (σ_{dec}=0.411 $mean_{dec}$=-0.015)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149047 (exptime=30.00) t [sec]

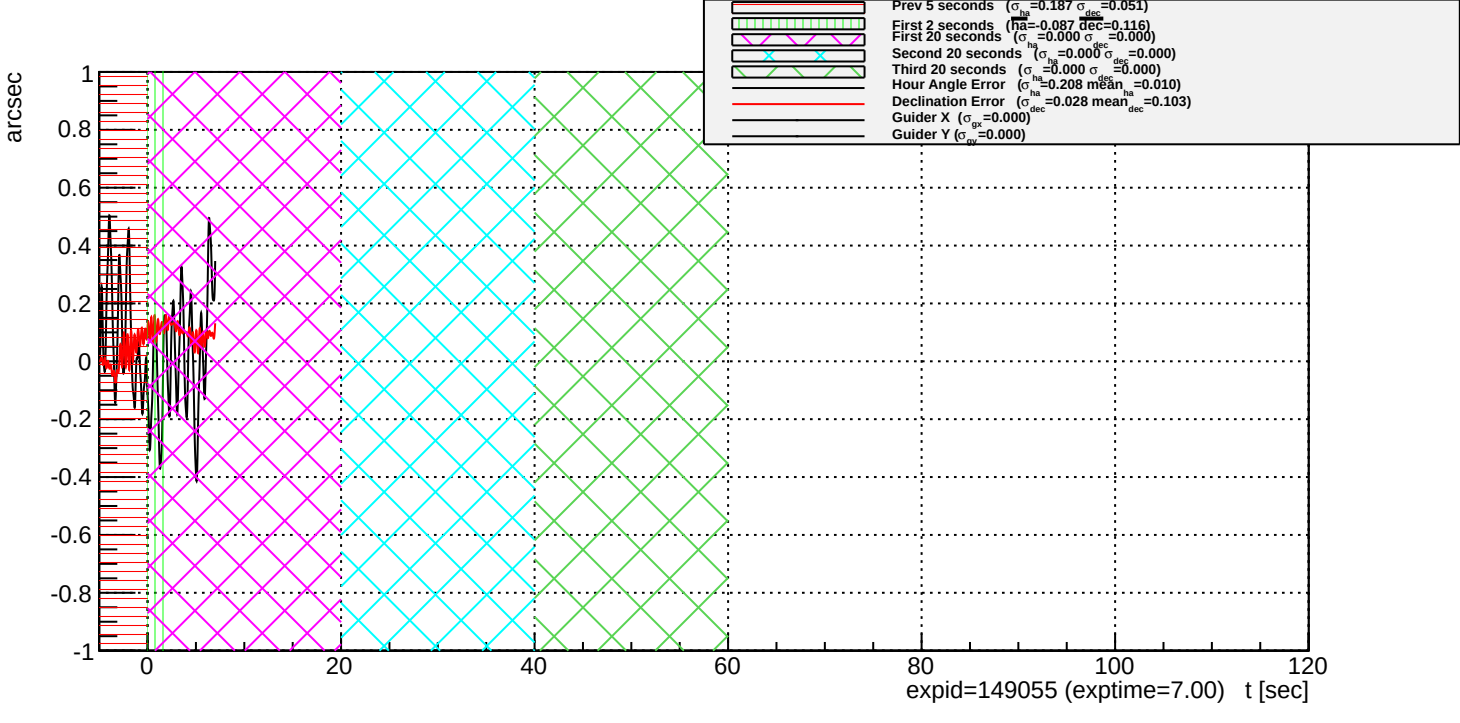

Prev 5 seconds (σ_{ha}=0.286 σ_{dec}=0.190)
First 2 seconds (mean_{ha}=-0.033 mean_{dec}=0.127)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.523 mean_{ha}=-0.126)
Declination Error (σ_{dec}=0.161 mean_{dec}=0.080)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149048 (exptime=15.00) t [sec]

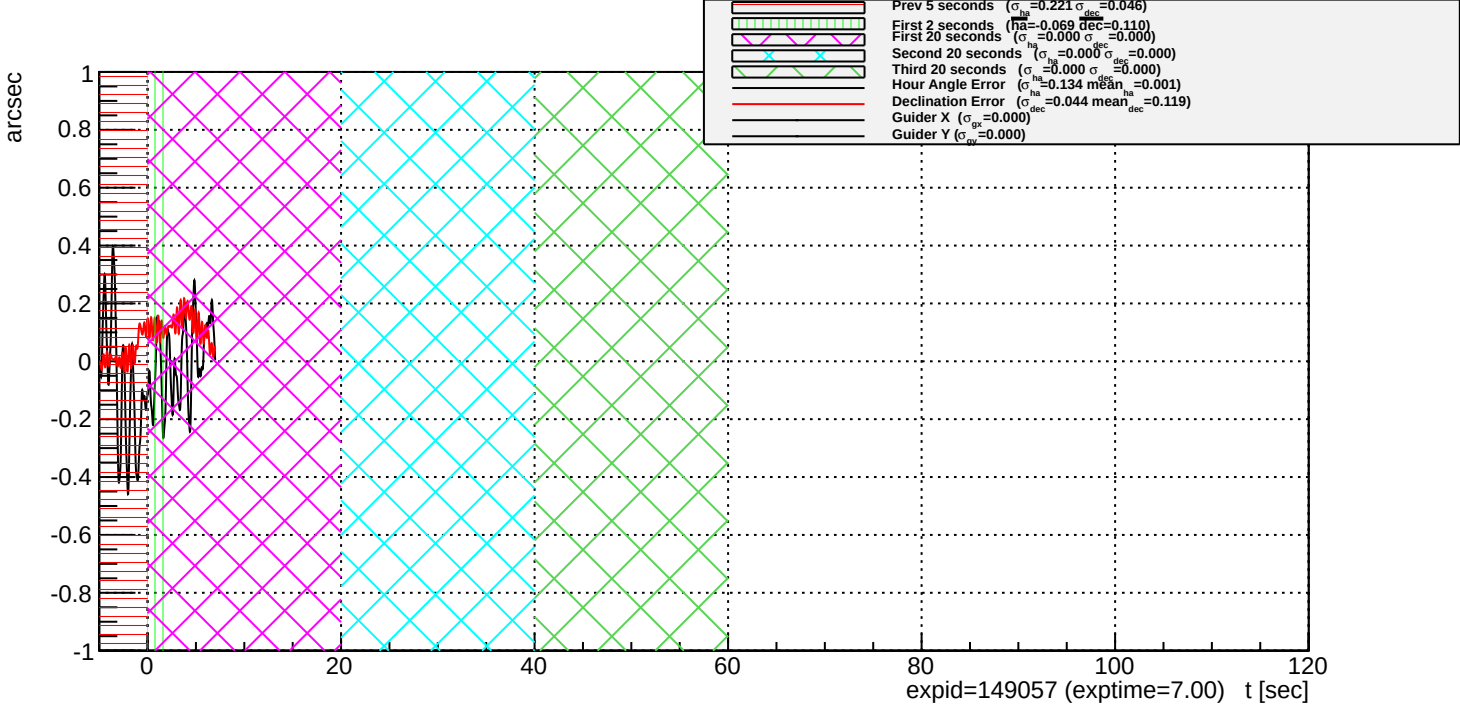

Prev 5 seconds (σ_{ha}=0.095 σ_{dec}=0.019)
First 2 seconds (mean_{ha}=-0.089 mean_{dec}=0.028)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.126 mean_{ha}=-0.026)
Declination Error (σ_{dec}=0.057 mean_{dec}=-0.024)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149051 (exptime=15.00) t [sec]

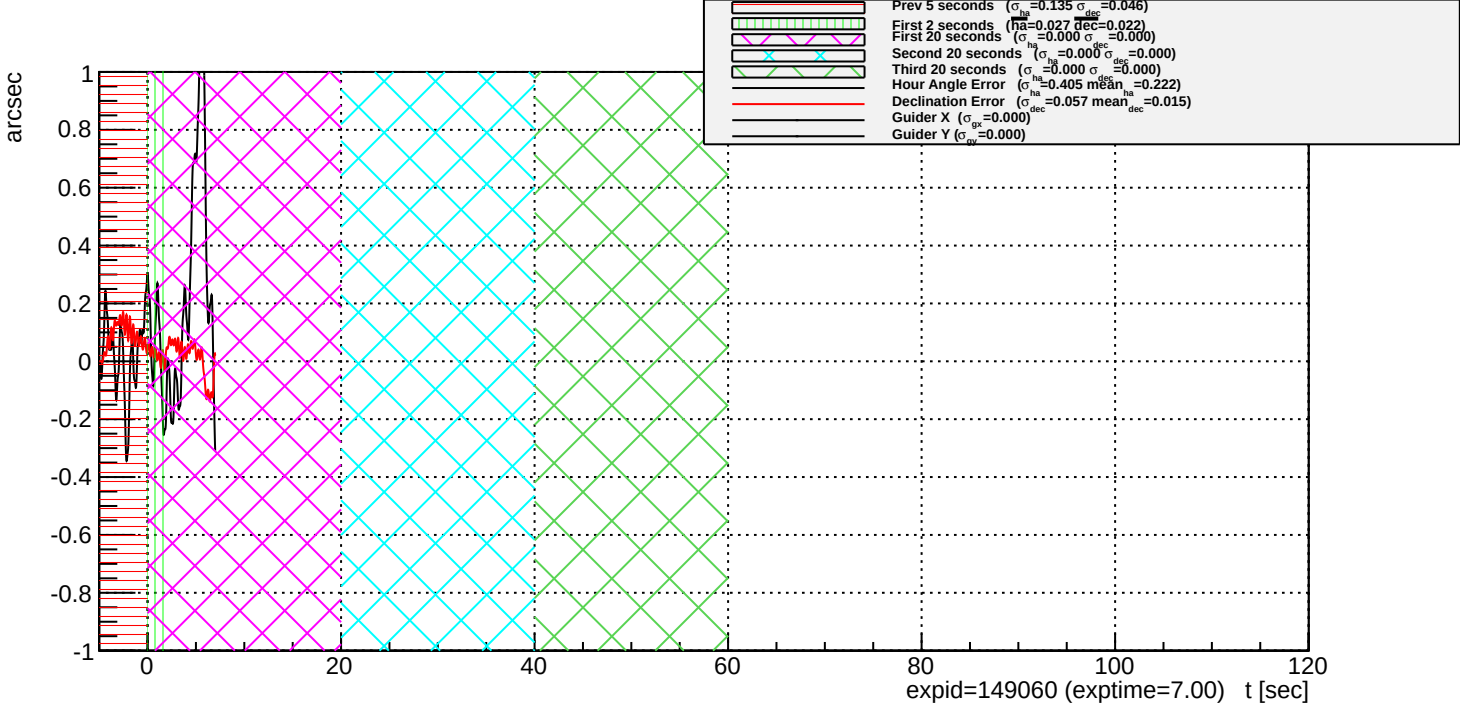

Prev 5 seconds (σ_{ha}=0.182 σ_{dec}=0.100)
First 2 seconds (ha=0.014 dec=-0.263)
First 20 seconds (σ_{ha}=0.305 σ_{dec}=0.154)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.305 $mean_{ha}$=0.019)
Declination Error (σ_{dec}=0.154 $mean_{dec}$=-0.147)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149052 (exptime=20.00) t [sec]

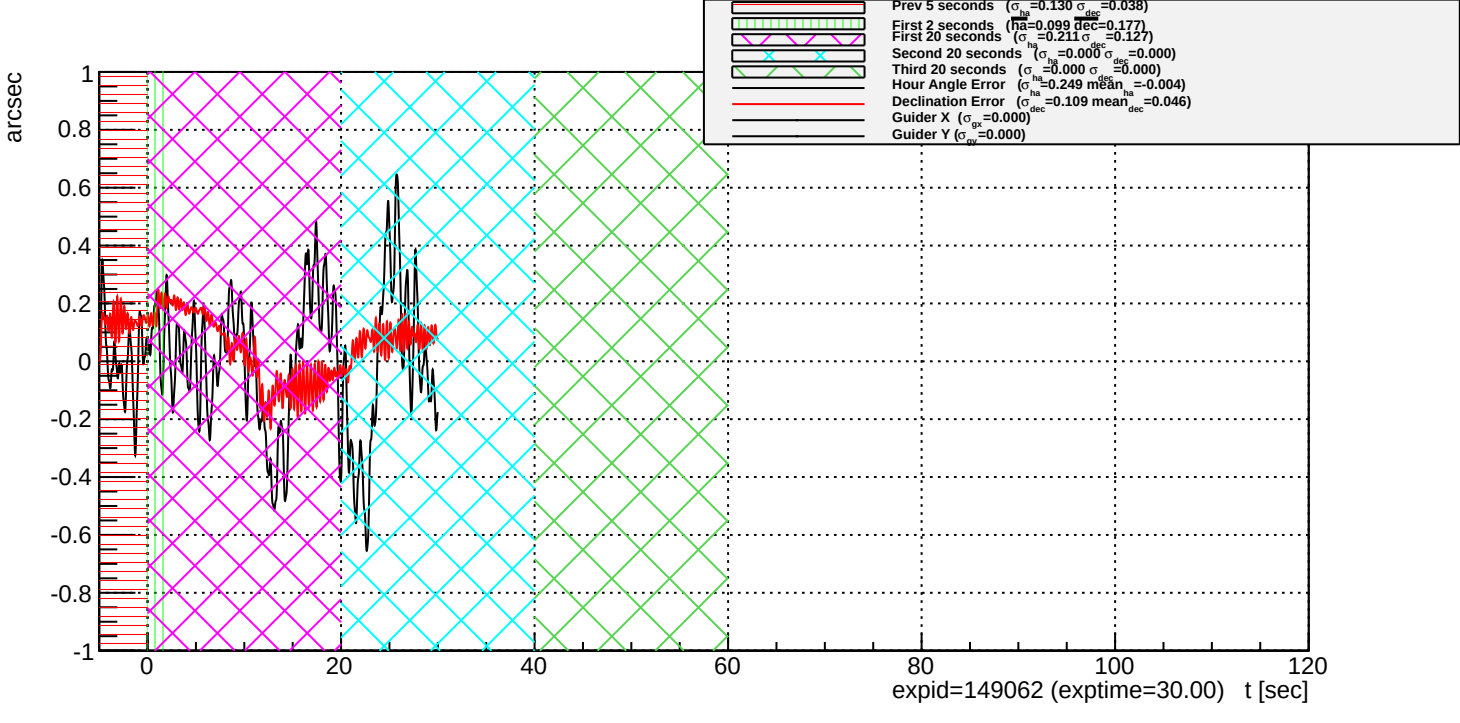

Prev 5 seconds (σ_{ha}=0.228 σ_{dec}=0.058)
First 2 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.197 $mean_{ha}$=0.071)
Declination Error (σ_{dec}=0.005 $mean_{dec}$=0.275)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149053 (exptime=1.00)
t [sec]

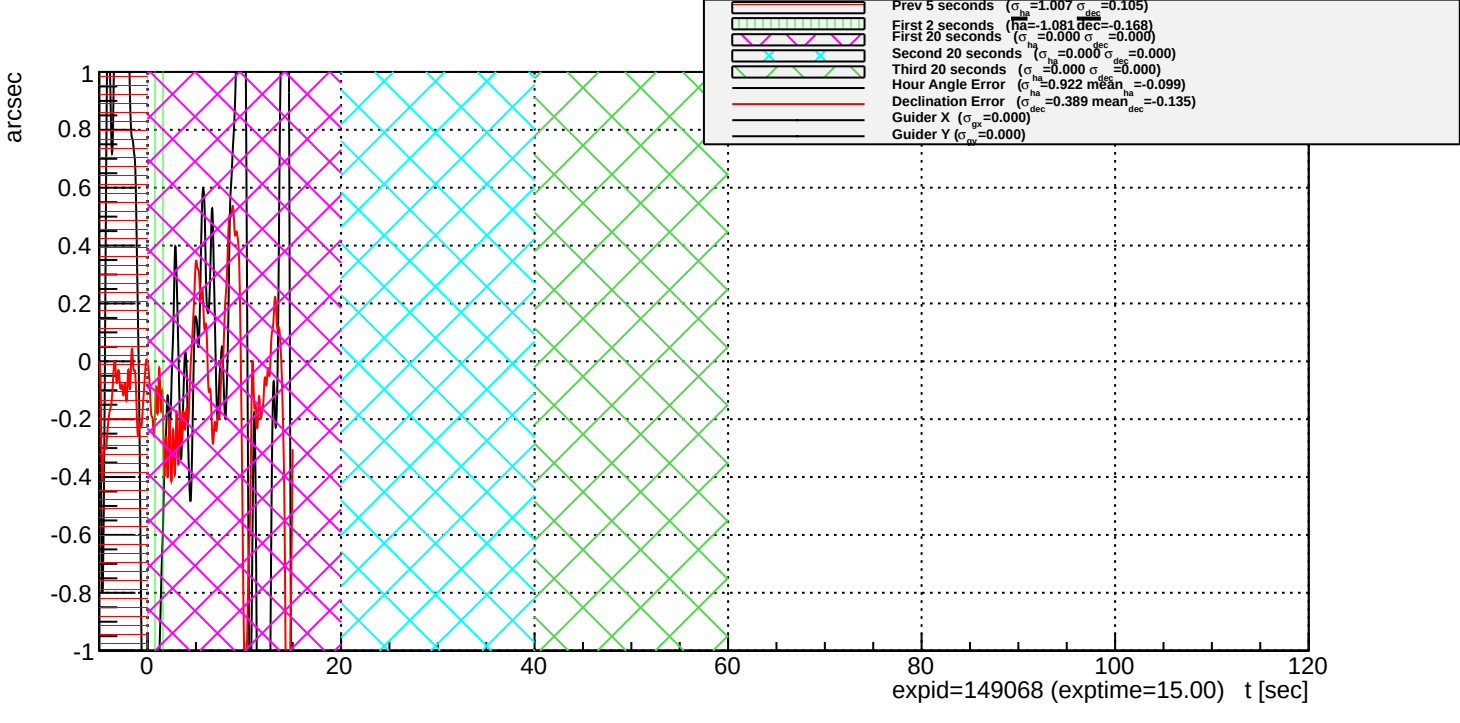

Prev 5 seconds (σ_{ha}=0.248 σ_{dec}=0.015)
First 2 seconds (ha=0.074 dec=0.009)
First 20 seconds (σ_{ha}=0.263 σ_{dec}=0.091)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.249 $mean_{ha}$=0.009)
Declination Error (σ_{dec}=0.096 $mean_{dec}$=0.001)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149054 (exptime=30.00)
t [sec]

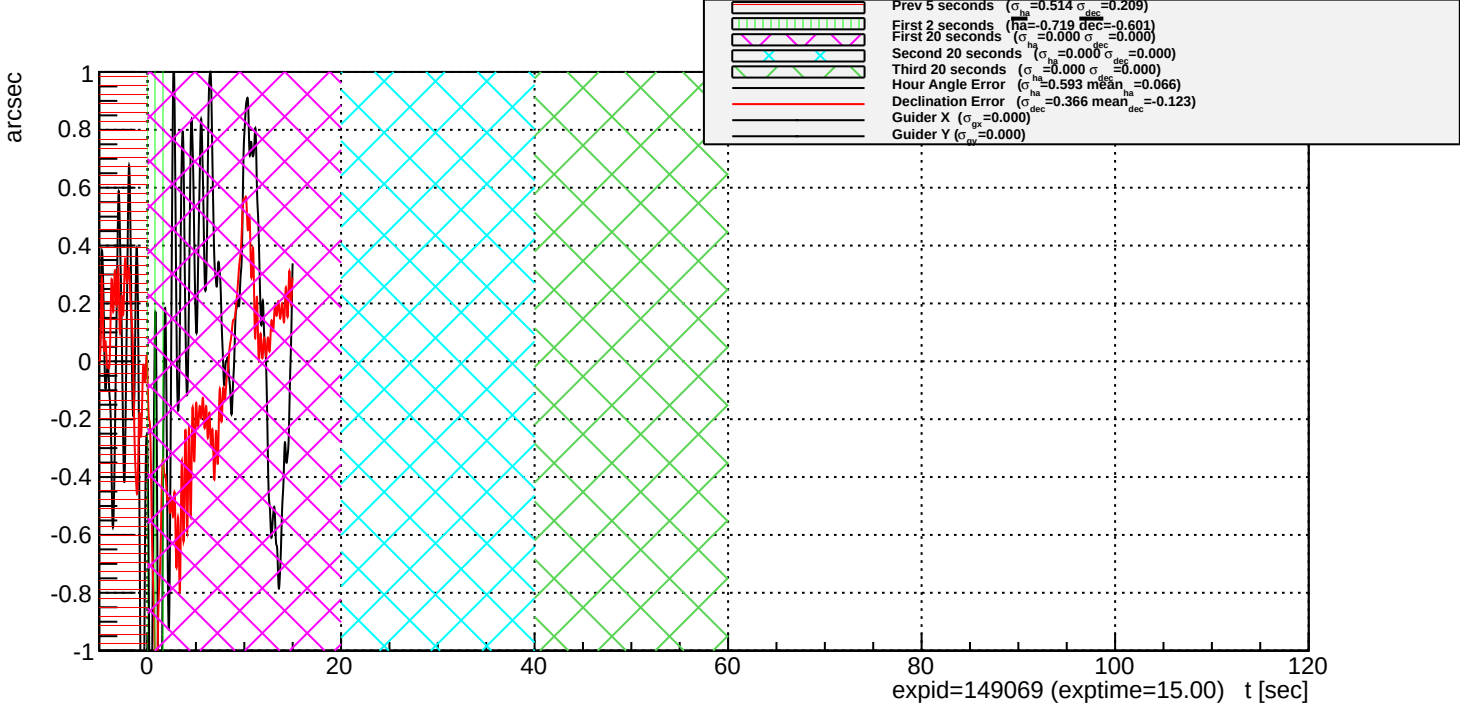

Prev 5 seconds (σ_{ha}=0.187 σ_{dec}=0.051)
First 2 seconds (σ_{ha}=-0.087 σ_{dec}=0.116)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.208 $mean_{ha}$=0.010)
Declination Error (σ_{dec}=0.028 $mean_{dec}$=0.103)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149055 (exptime=7.00)
t [sec]

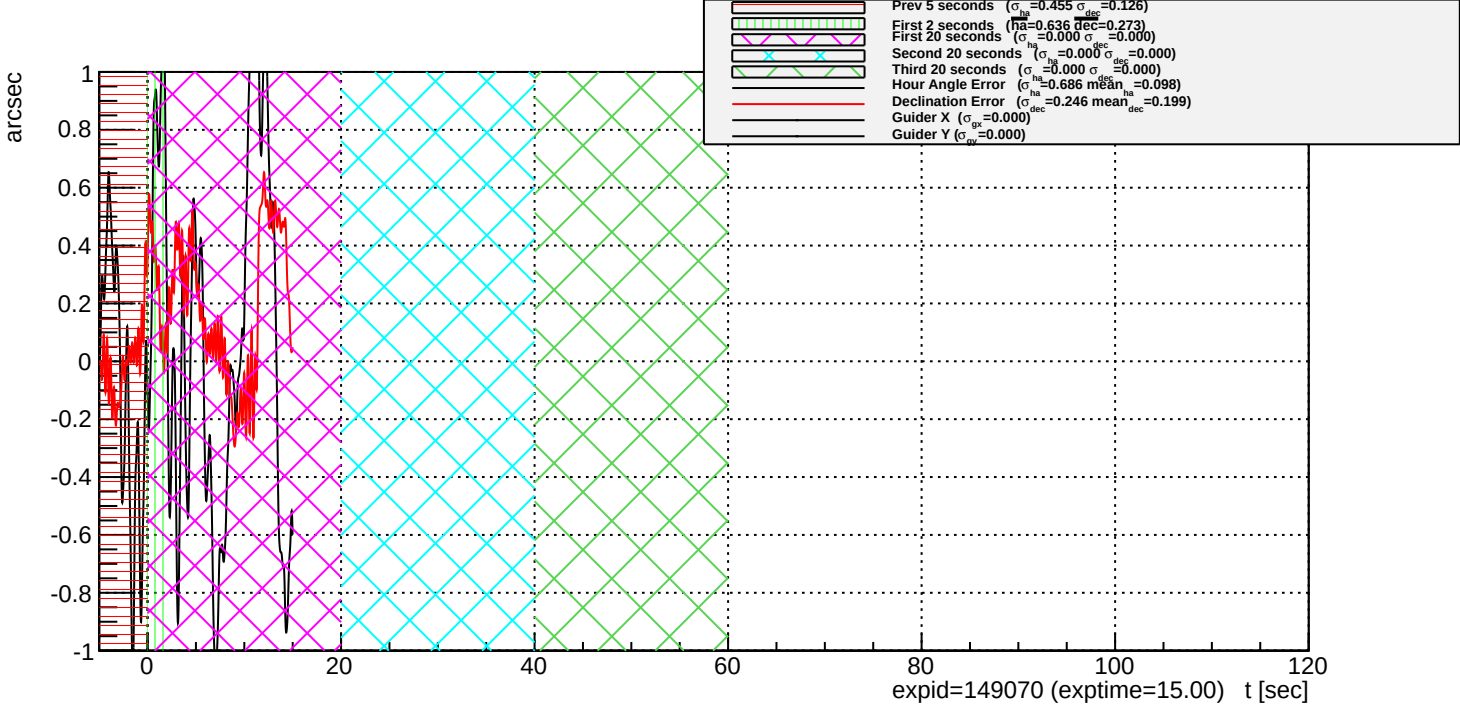

Prev 5 seconds (σ_{ha}=0.221 σ_{dec}=0.046)
First 2 seconds (ha=-0.069 dec=0.110)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.134 $mean_{ha}$=0.001)
Declination Error (σ_{dec}=0.044 $mean_{dec}$=0.119)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149057 (exptime=7.00)
t [sec]

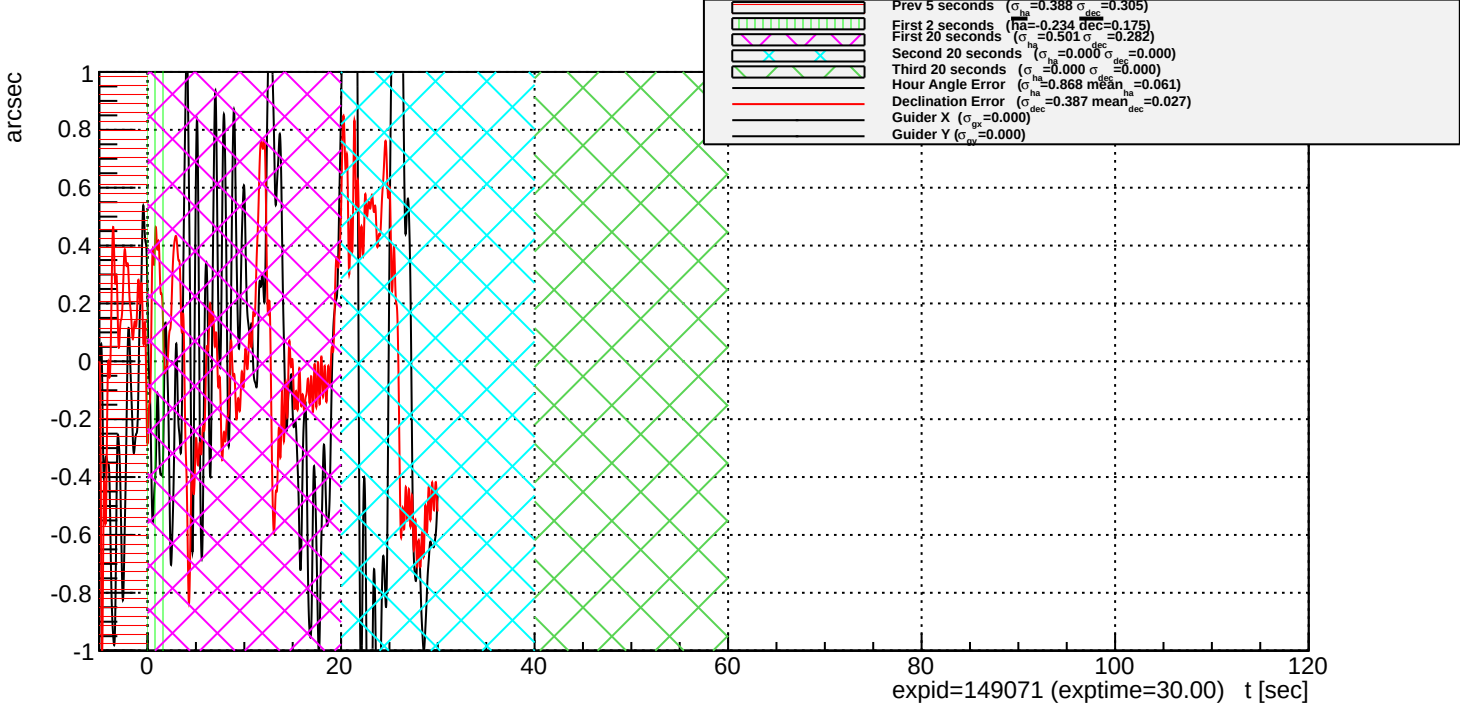

Prev 5 seconds (σ_{ha}=0.135 σ_{dec}=0.046)
First 2 seconds (σ_{ha}=0.027 σ_{dec}=0.022)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.405 $mean_{ha}$=0.222)
Declination Error (σ_{dec}=0.057 $mean_{dec}$=0.015)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149060 (exptime=7.00)
t [sec]

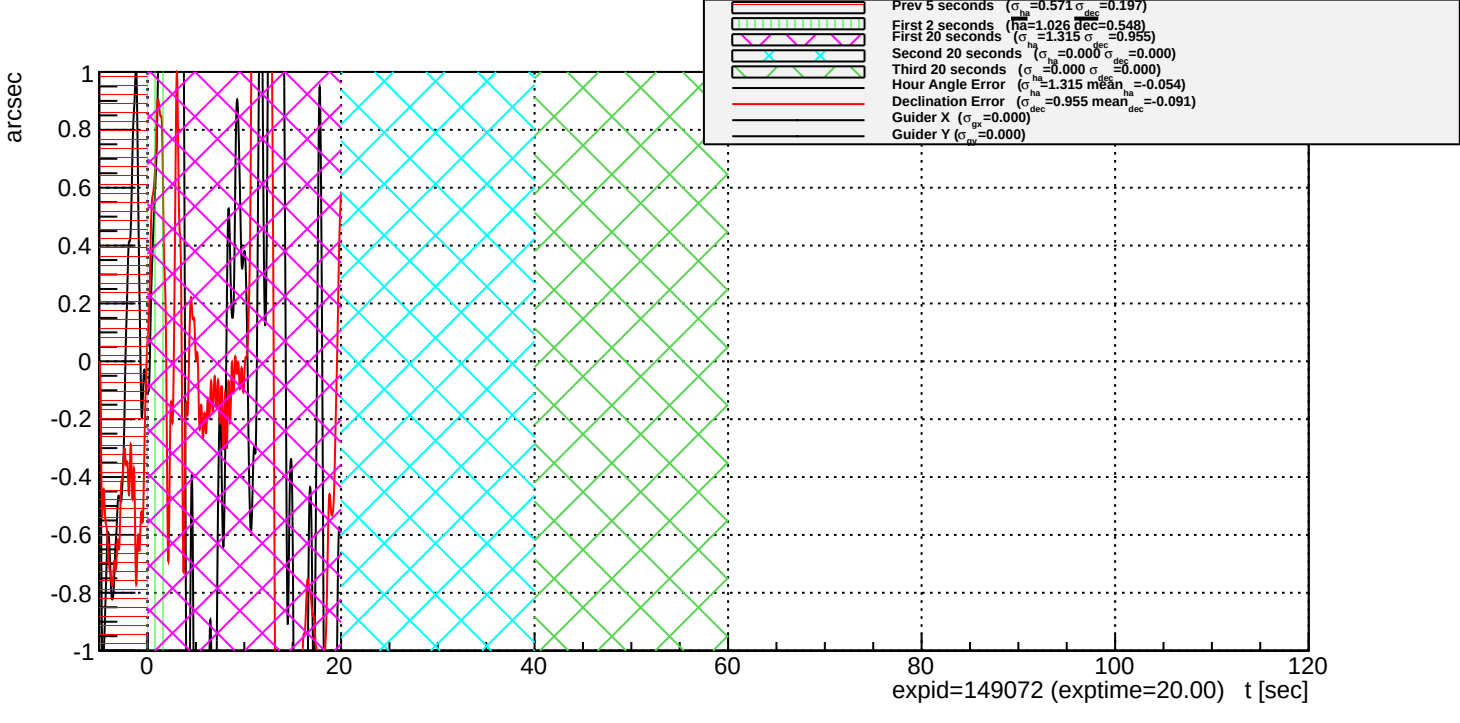

Prev 5 seconds (σ_{ha}=0.130 σ_{dec}=0.038)
First 2 seconds (σ_{ha}=0.099 σ_{dec}=0.177)
First 20 seconds (σ_{ha}=0.211 σ_{dec}=0.127)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.249 $mean_{ha}$=-0.004)
Declination Error (σ_{dec}=0.109 $mean_{dec}$=0.046)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149062 (exptime=30.00) t [sec]

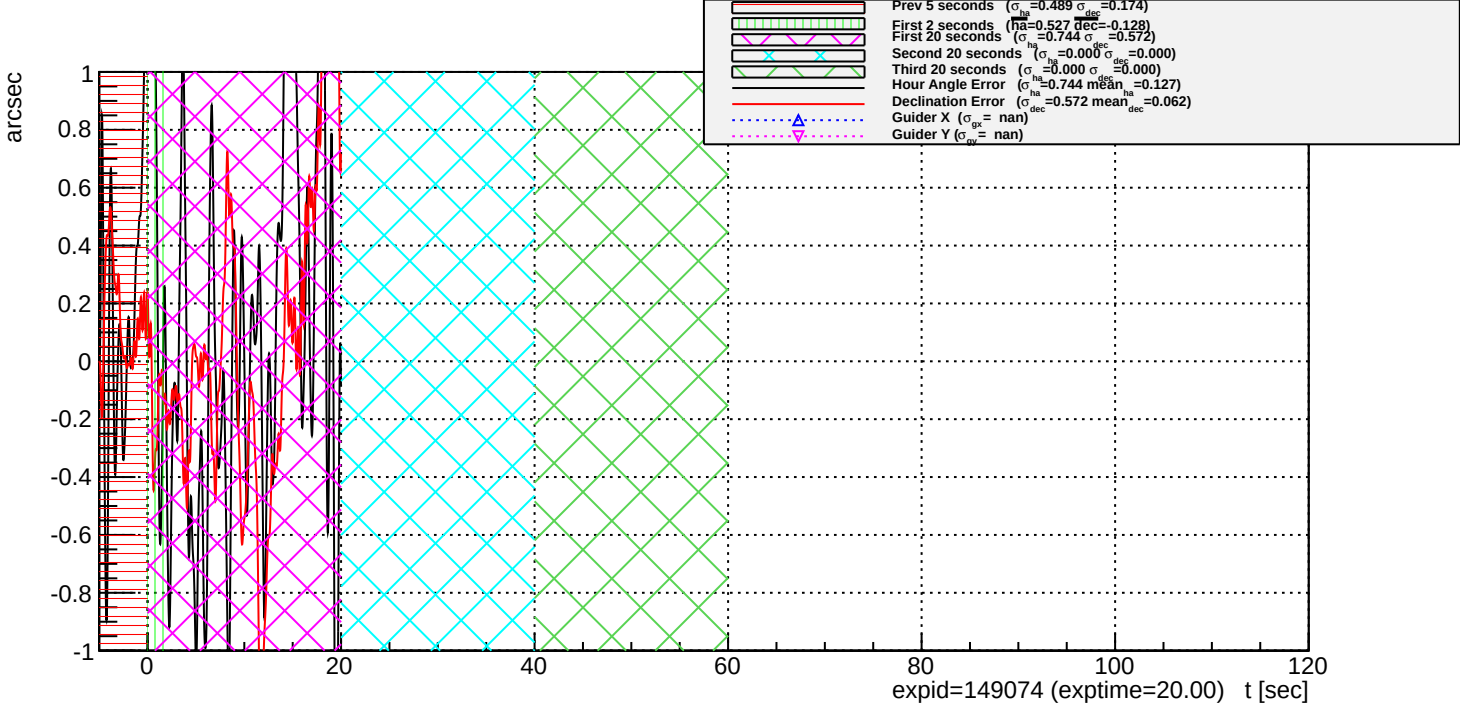

Prev 5 seconds (σ_{ha}=1.007 σ_{dec}=0.105)
First 2 seconds (ha=-1.081 dec=-0.168)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.922 $mean_{ha}$=-0.099)
Declination Error (σ_{dec}=0.389 $mean_{dec}$=-0.135)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149068 (exptime=15.00) t [sec]

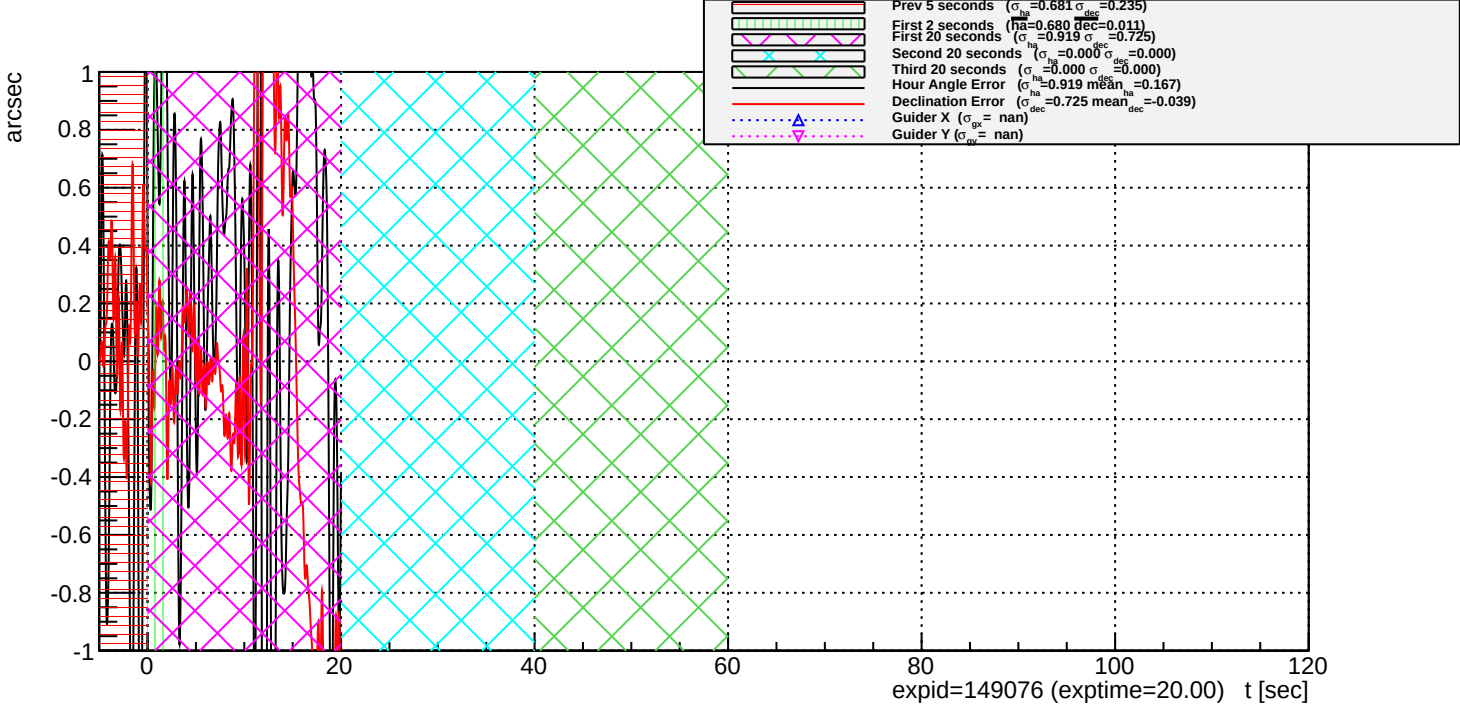

Prev 5 seconds (σ_{ha}=0.514 σ_{dec}=0.209)
First 2 seconds (ha=-0.719 dec=-0.601)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.593 $mean_{ha}$=0.066)
Declination Error (σ_{dec}=0.366 $mean_{dec}$=-0.123)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149069 (exptime=15.00) t [sec]

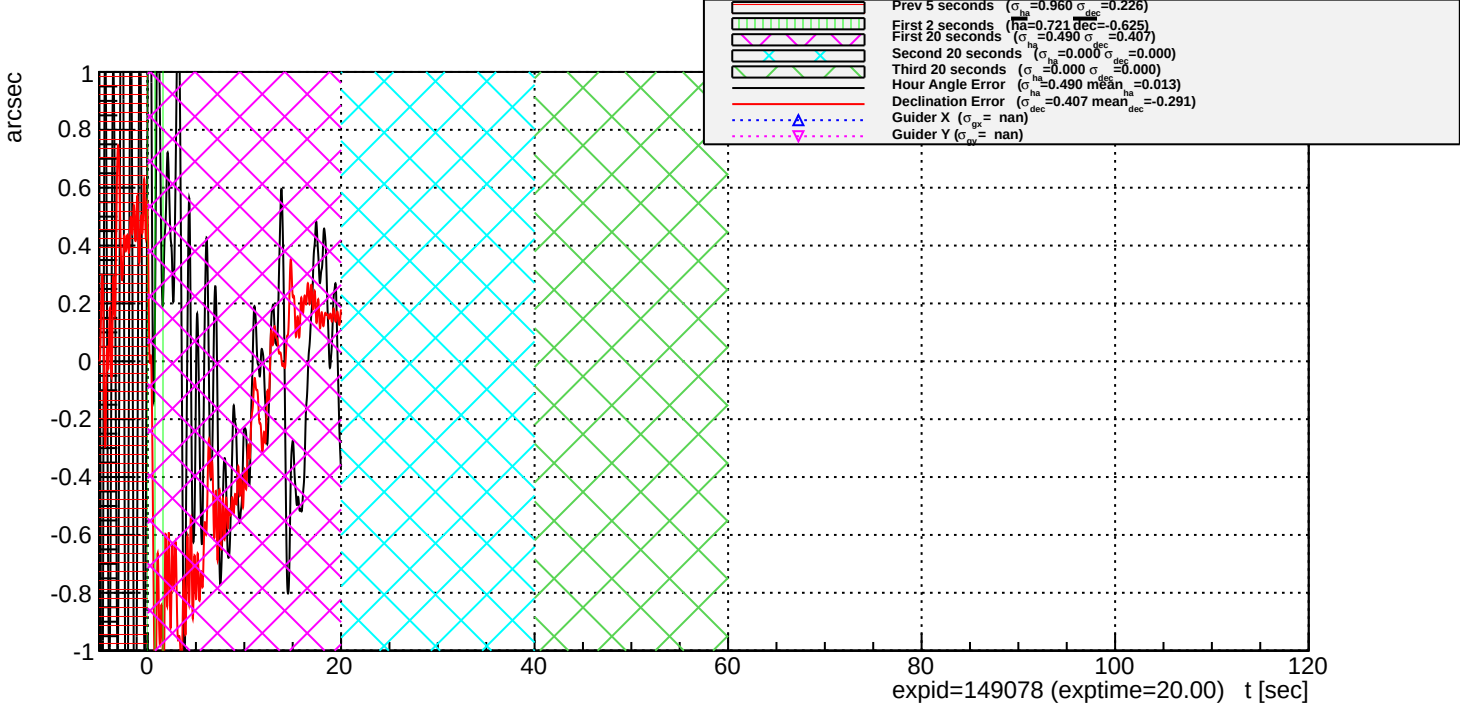

Prev 5 seconds (σ_{ha}=0.455 σ_{dec}=0.126)
First 2 seconds (ha=0.636 dec=0.273)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.686 $mean_{ha}$=0.098)
Declination Error (σ_{dec}=0.246 $mean_{dec}$=0.199)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149070 (exptime=15.00)
t [sec]

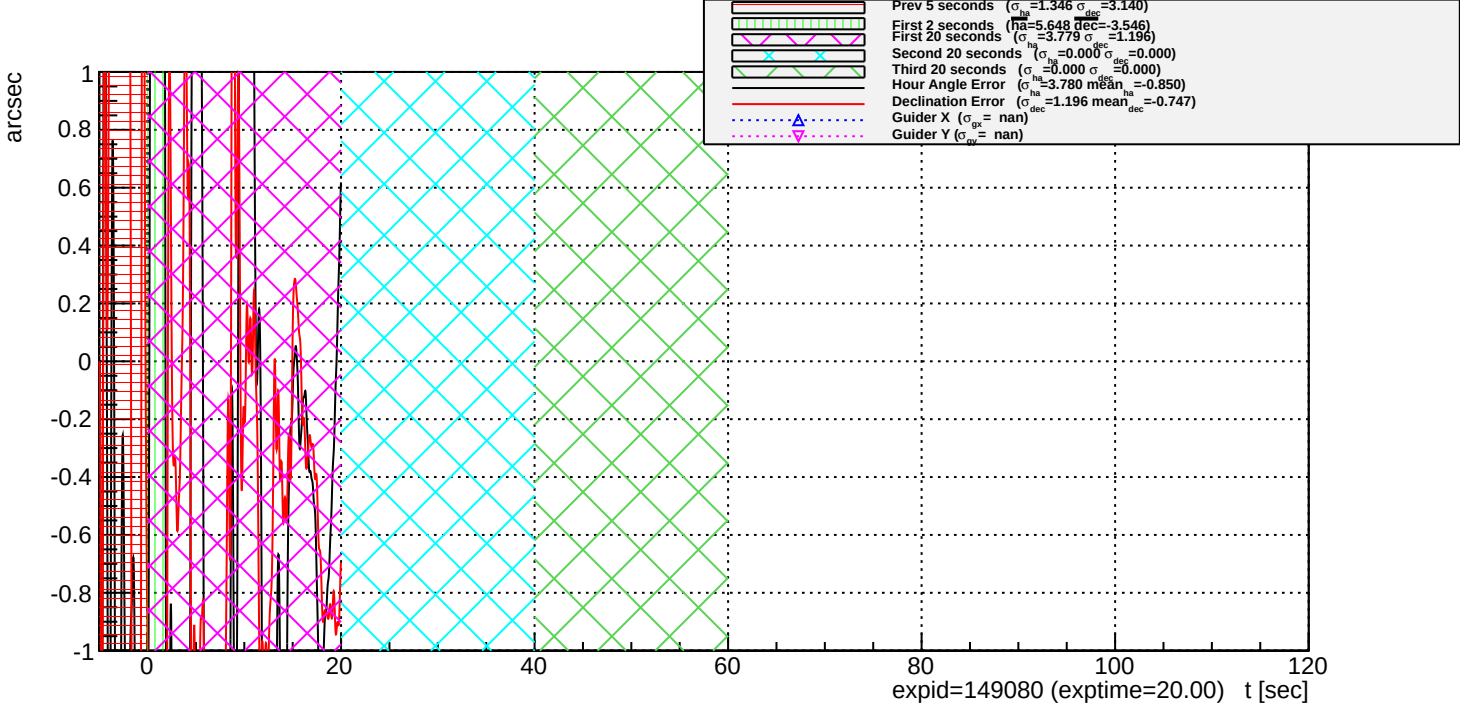

Prev 5 seconds (σ_{ha}=0.388 σ_{dec}=0.305)
First 2 seconds (ha=-0.234 dec=0.175)
First 20 seconds (σ_{ha}=0.501 σ_{dec}=0.282)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.868 $mean_{ha}$=0.061)
Declination Error (σ_{dec}=0.387 $mean_{dec}$=0.027)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149071 (exptime=30.00) t [sec]

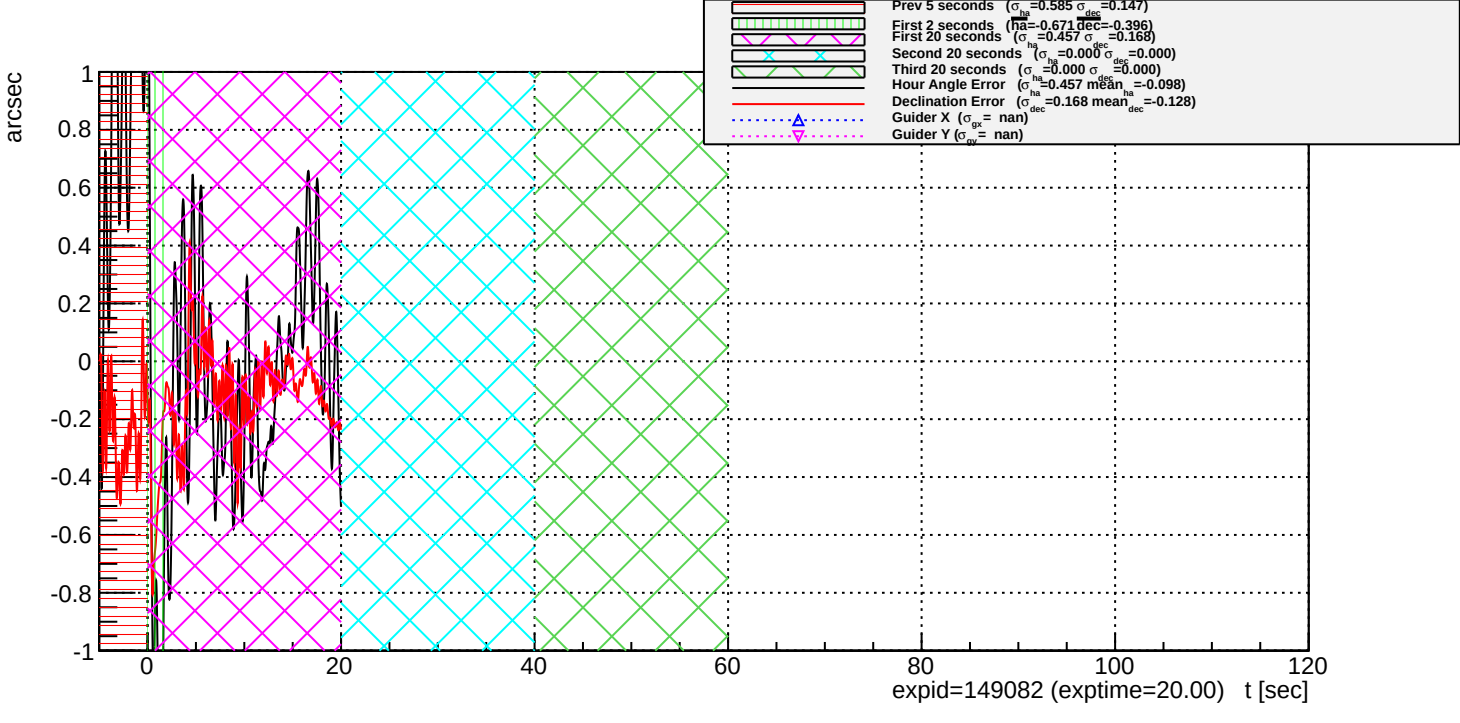

Prev 5 seconds (σ_{ha}=0.571 σ_{dec}=0.197)
First 2 seconds (σ_{ha}=1.026 σ_{dec}=0.548)
First 20 seconds (σ_{ha}=1.315 σ_{dec}=0.955)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=1.315 $mean_{ha}$=-0.054)
Declination Error (σ_{dec}=0.955 $mean_{dec}$=-0.091)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149072 (exptime=20.00) t [sec]

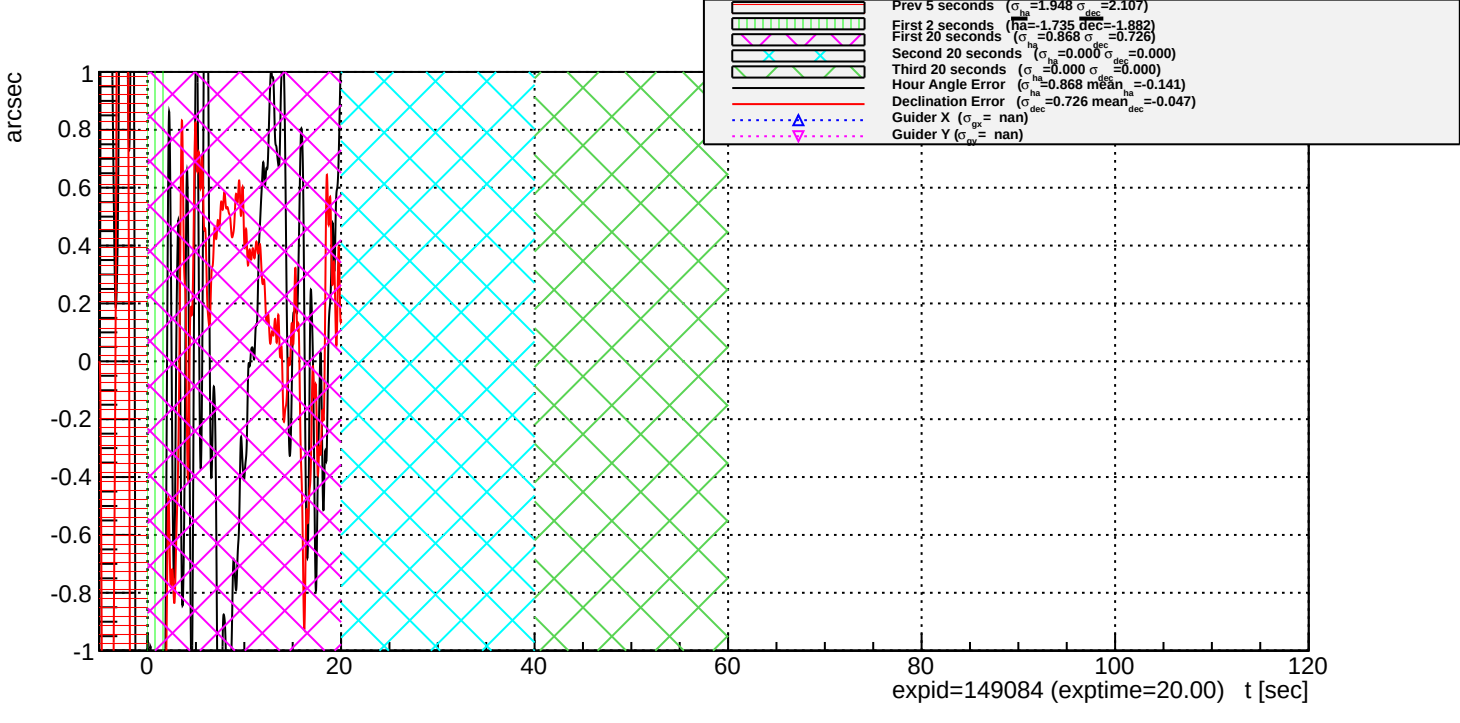

Prev 5 seconds (σ_{ha}=0.489 σ_{dec}=0.174)
First 2 seconds (ha=0.527 dec=-0.128)
First 20 seconds (σ_{ha}=0.744 σ_{dec}=0.572)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.744 $mean_{ha}$=0.127)
Declination Error (σ_{dec}=0.572 $mean_{dec}$=0.062)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149074 (exptime=20.00) t [sec]

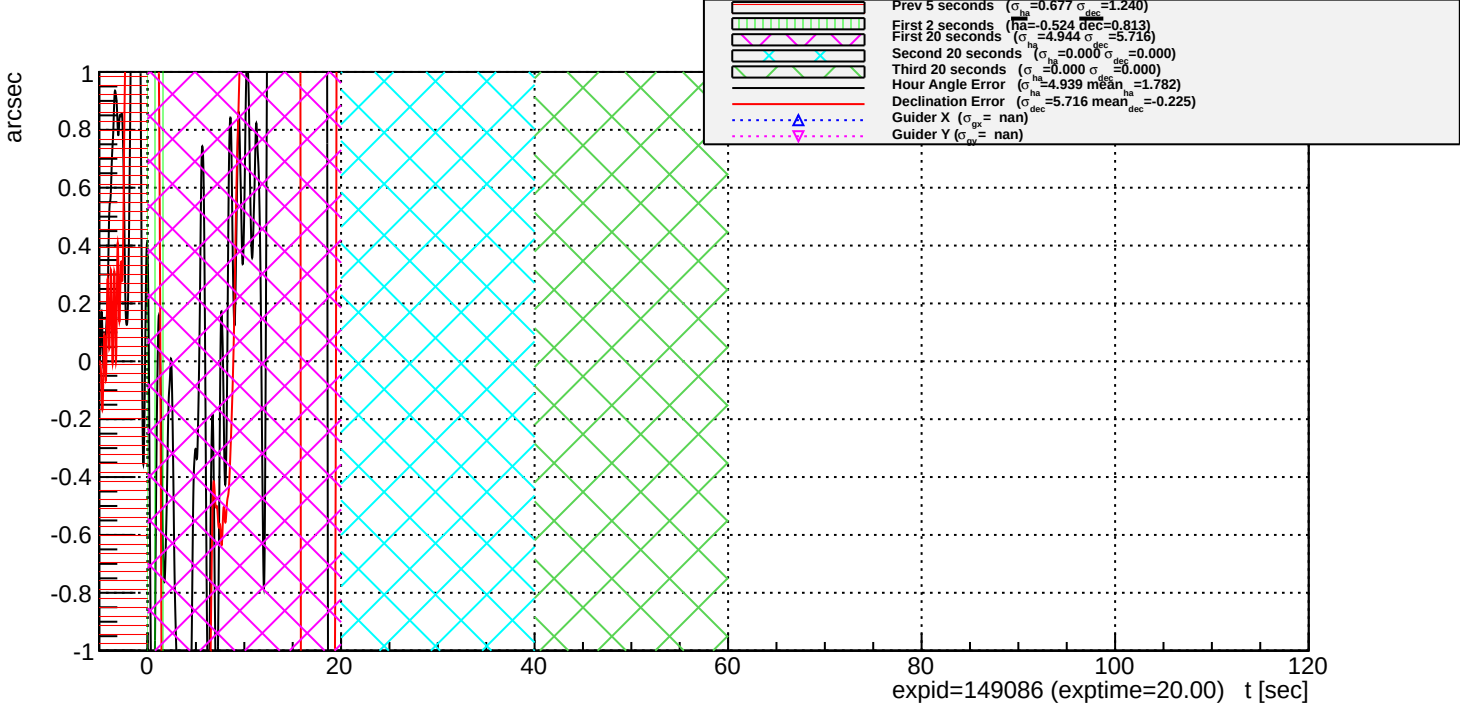

Prev 5 seconds (σ_{ha}=0.681 σ_{dec}=0.235)
First 2 seconds (σ_{ha}=0.680 σ_{dec}=0.011)
First 20 seconds (σ_{ha}=0.919 σ_{dec}=0.725)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.919 $mean_{ha}$=0.167)
Declination Error (σ_{dec}=0.725 $mean_{dec}$=-0.039)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149076 (exptime=20.00) t [sec]

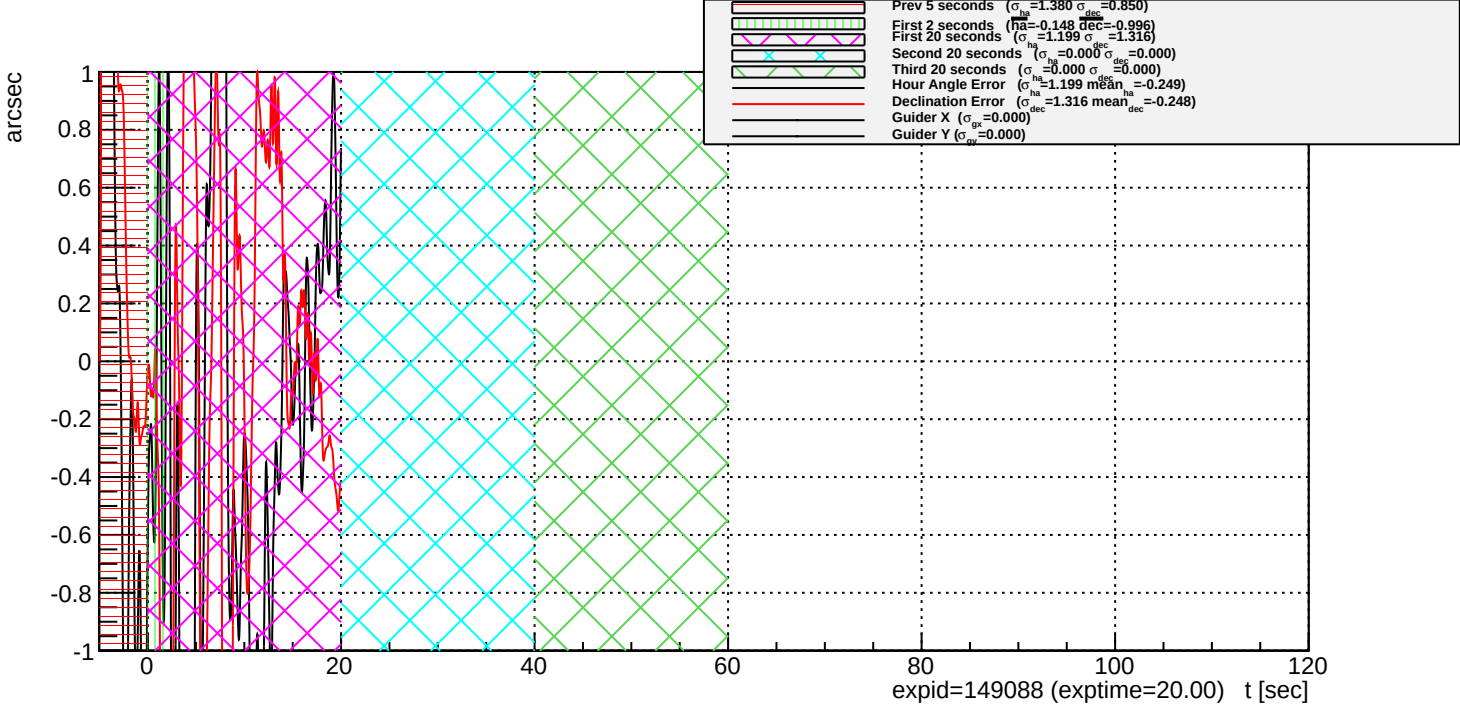

Prev 5 seconds (σ_{ha}=0.960 σ_{dec}=0.226)
First 2 seconds (ha=0.721 dec=-0.625)
First 20 seconds (σ_{ha}=0.490 σ_{dec}=0.407)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.490 $mean_{ha}$=0.013)
Declination Error (σ_{dec}=0.407 $mean_{dec}$=-0.291)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149078 (exptime=20.00) t [sec]

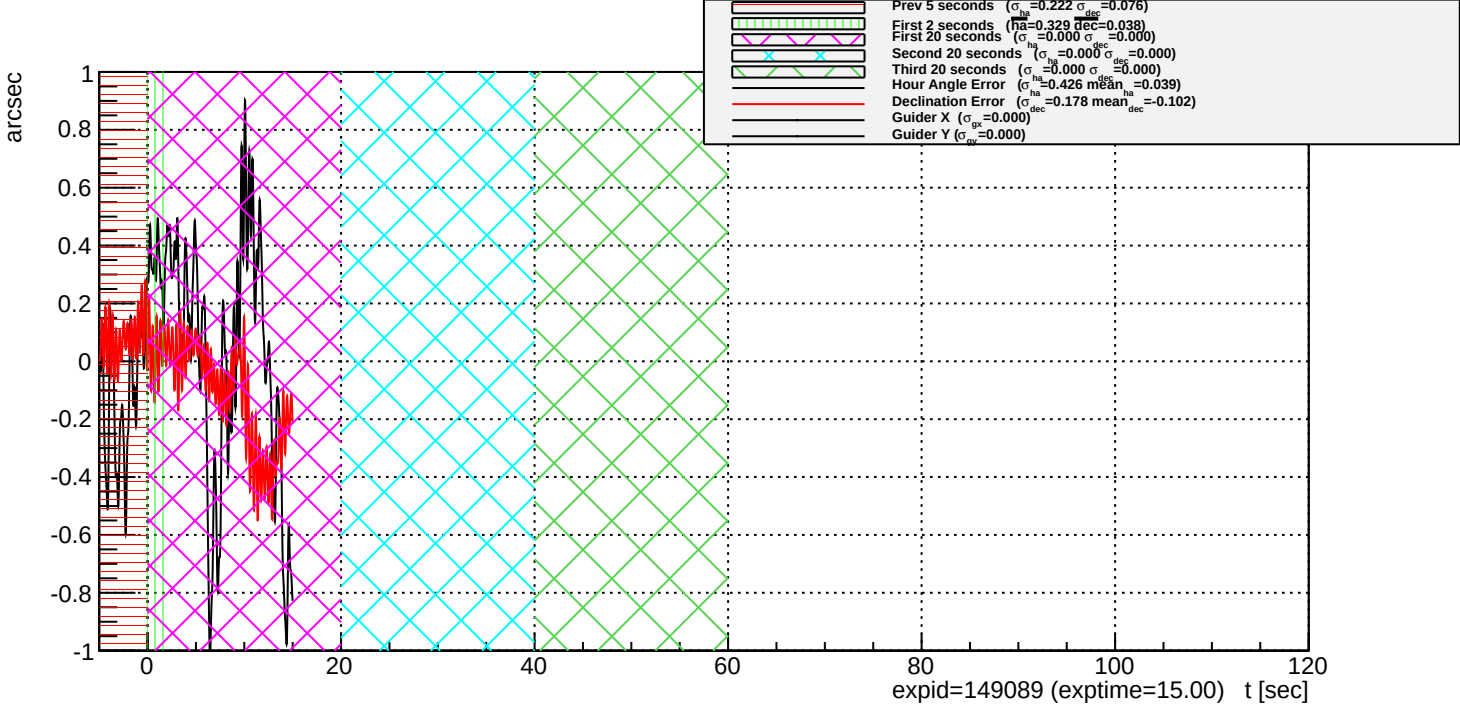

Prev 5 seconds (σ_{ha}=1.346 σ_{dec}=3.140)
First 2 seconds (ha=5.648 dec=-3.546)
First 20 seconds (σ_{ha}=3.779 σ_{dec}=1.196)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=3.780 $mean_{ha}$=-0.850)
Declination Error (σ_{dec}=1.196 $mean_{dec}$=-0.747)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149080 (exptime=20.00) t [sec]

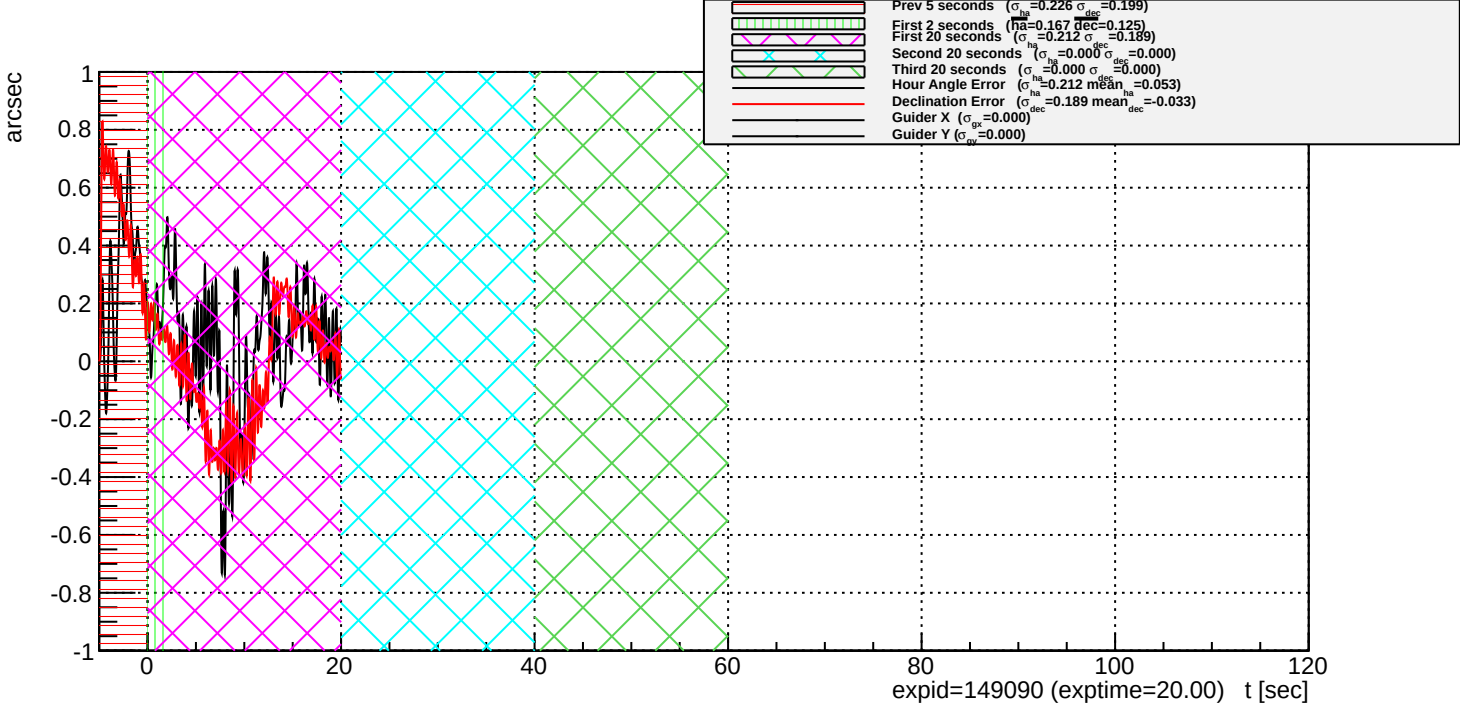

Prev 5 seconds (σ_{ha}=0.585 σ_{dec}=0.147)
First 2 seconds ($mean_{ha}$=-0.671 $mean_{dec}$=-0.396)
First 20 seconds (σ_{ha}=0.457 σ_{dec}=0.168)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.457 $mean_{ha}$=-0.098)
Declination Error (σ_{dec}=0.168 $mean_{dec}$=-0.128)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149082 (exptime=20.00) t [sec]

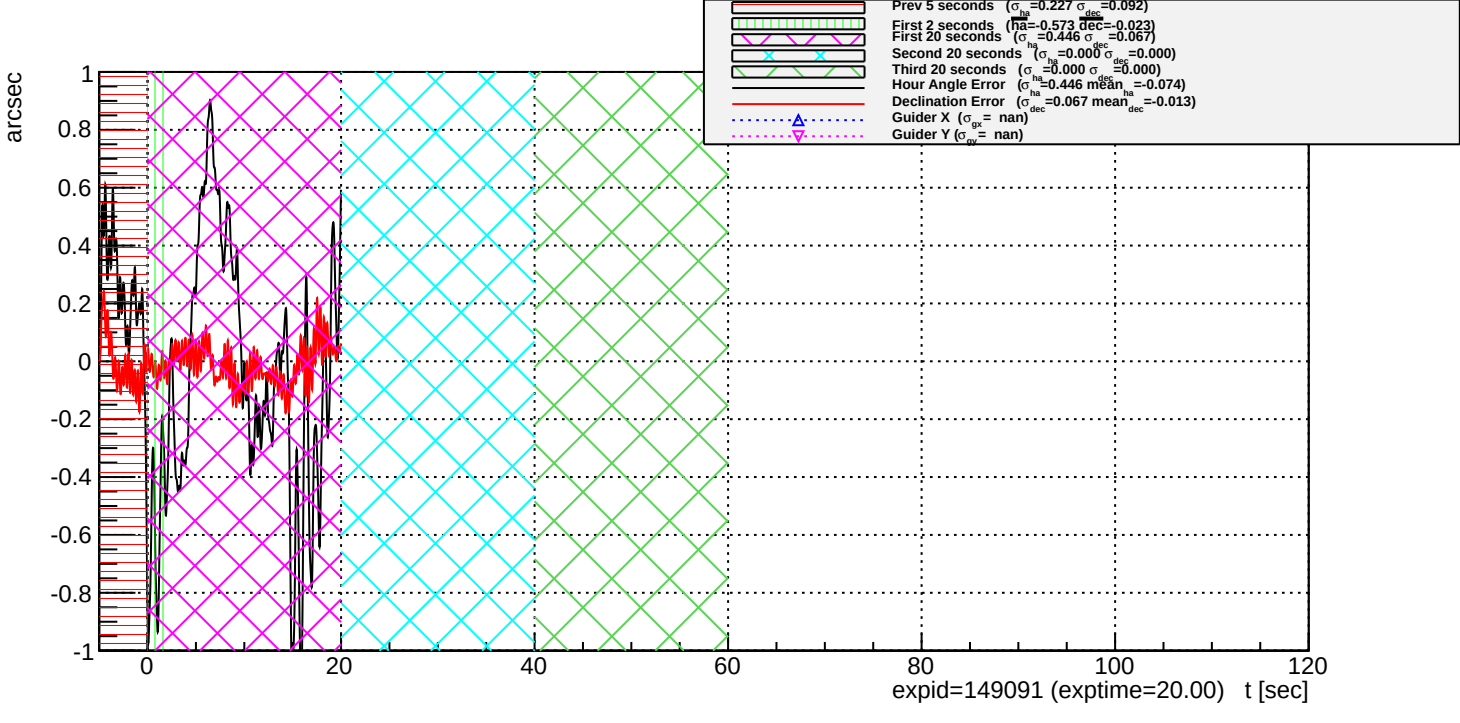

Prev 5 seconds (σ_{ha}=1.948 σ_{dec}=2.107)
First 2 seconds (ha=-1.735 dec=-1.882)
First 20 seconds (σ_{ha}=0.868 σ_{dec}=0.726)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.868 $mean_{ha}$=-0.141)
Declination Error (σ_{dec}=0.726 $mean_{dec}$=-0.047)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149084 (exptime=20.00) t [sec]

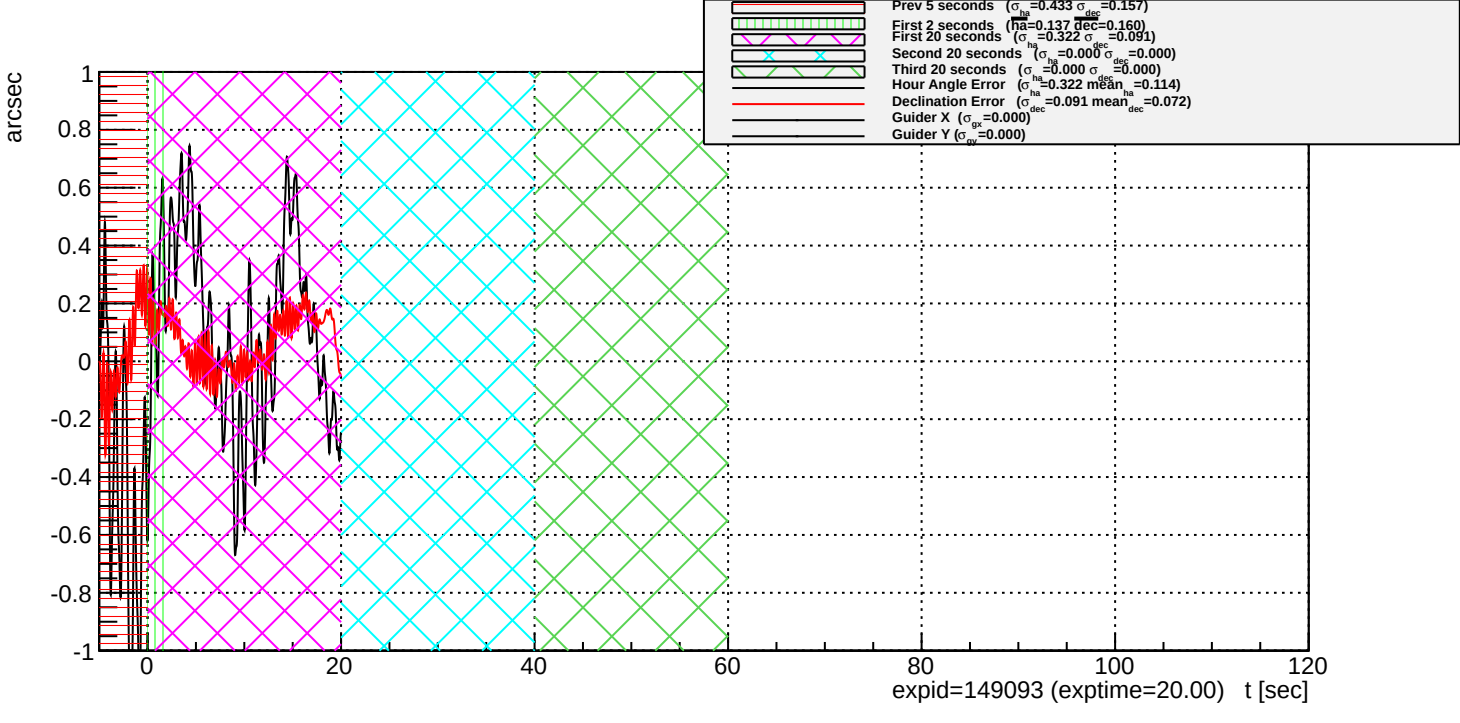

Prev 5 seconds (σ_{ha}=0.677 σ_{dec}=1.240)
First 2 seconds ($\overline{ha}$=-0.524 $\overline{dec}$=0.813)
First 20 seconds (σ_{ha}=4.944 σ_{dec}=5.716)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=4.939 $mean_{ha}$=1.782)
Declination Error (σ_{dec}=5.716 $mean_{dec}$=-0.225)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149086 (exptime=20.00) t [sec]

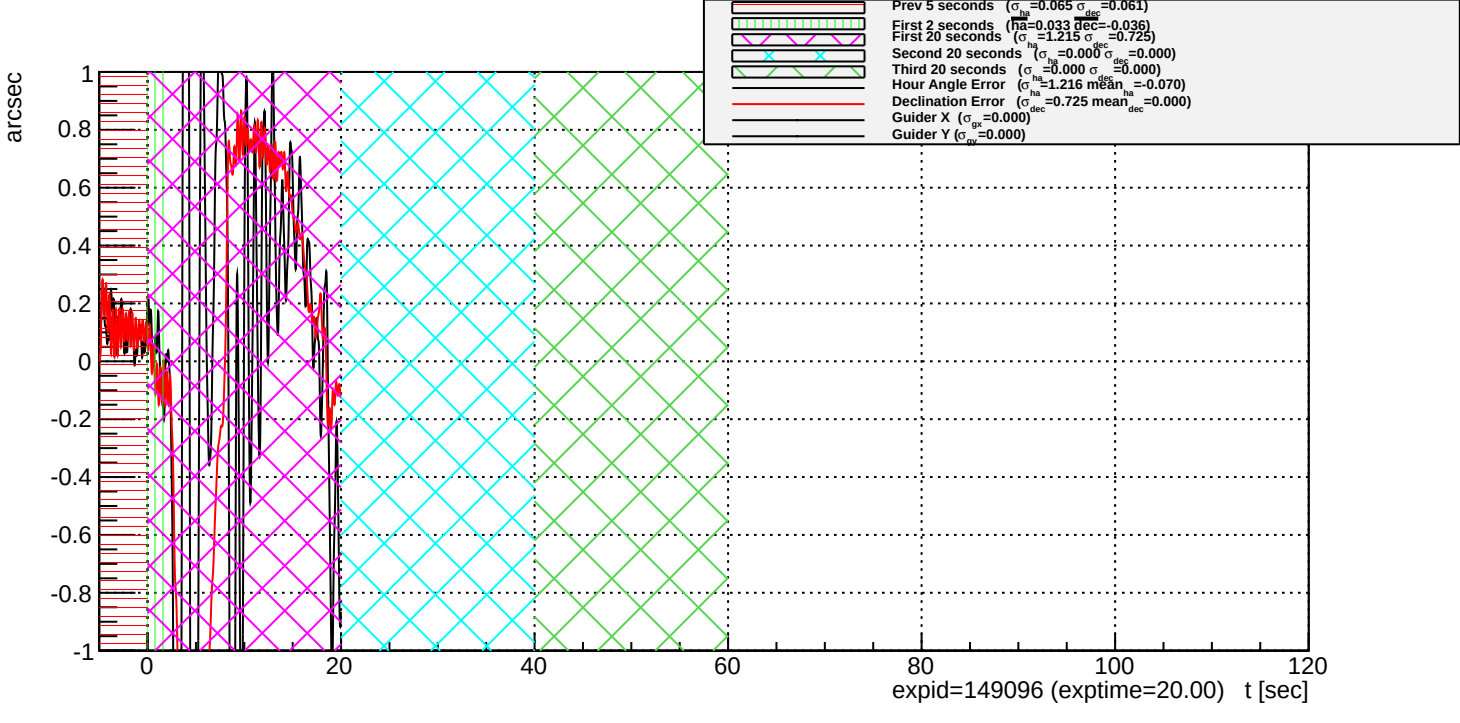

Prev 5 seconds (σ_{ha}=1.380 σ_{dec}=0.850)
First 2 seconds (σ_{ha}=-0.148 σ_{dec}=-0.996)
First 20 seconds (σ_{ha}=1.199 σ_{dec}=1.316)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=1.199 $mean_{ha}$=-0.249)
Declination Error (σ_{dec}=1.316 $mean_{dec}$=-0.248)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149088 (exptime=20.00) t [sec]

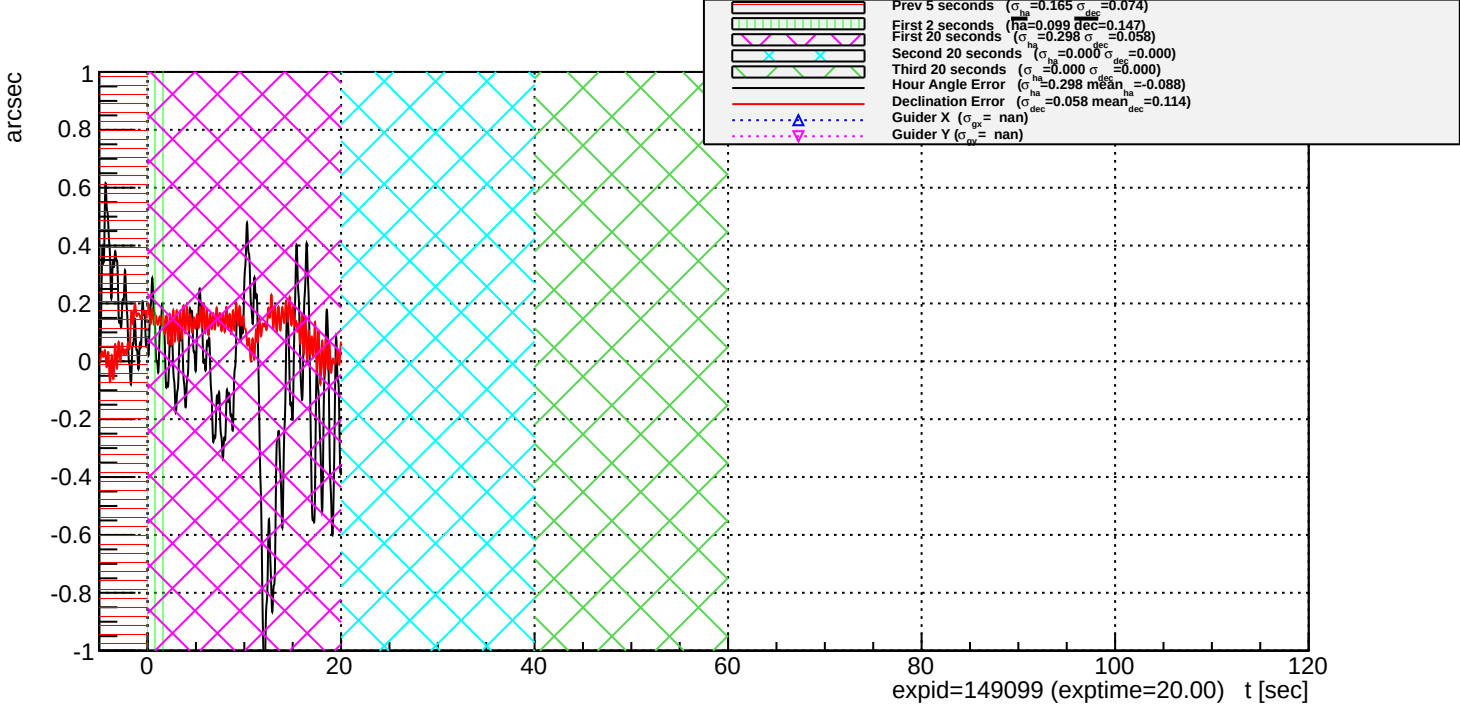

Prev 5 seconds (σ_{ha}=0.222 σ_{dec}=0.076)
First 2 seconds (ha=0.329 dec=0.038)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.426 $mean_{ha}$=0.039)
Declination Error (σ_{dec}=0.178 $mean_{dec}$=-0.102)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149089 (exptime=15.00)
t [sec]

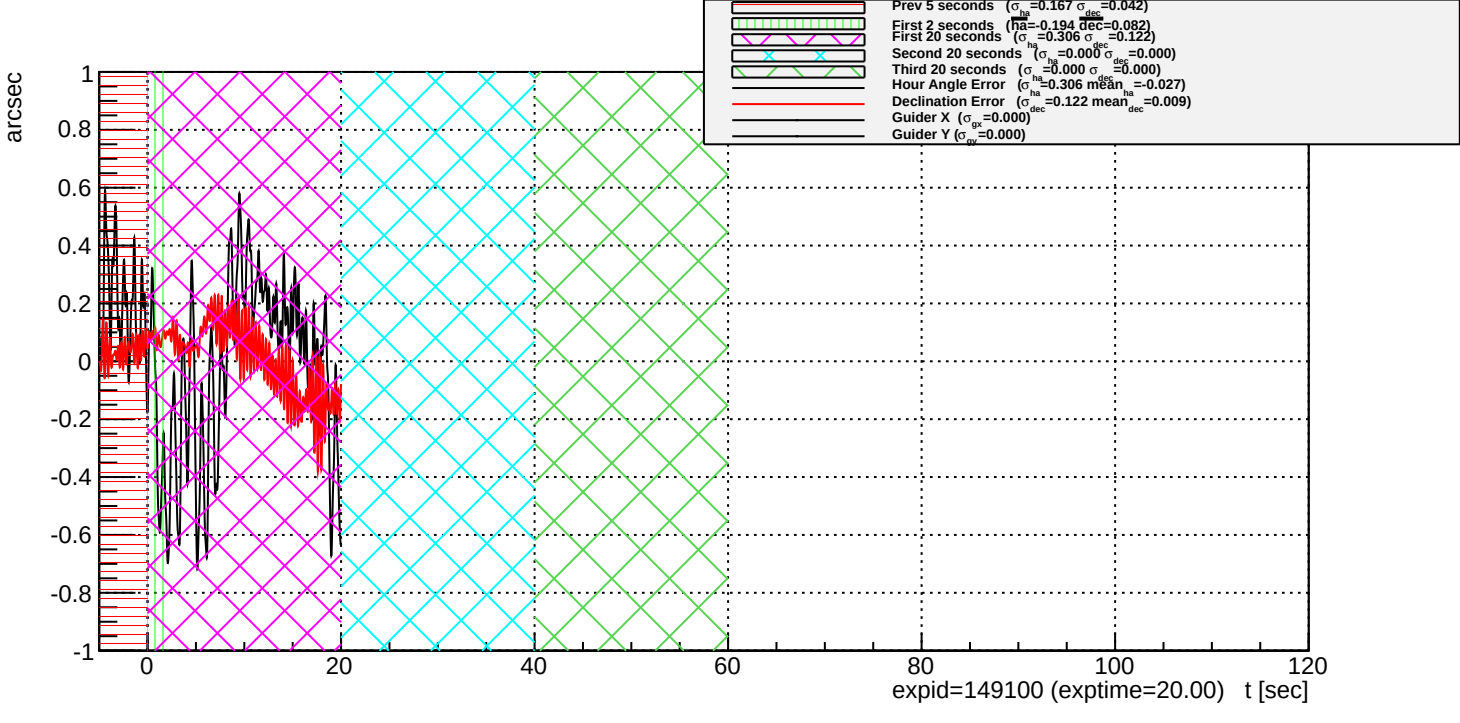

Prev 5 seconds (σ_{ha}=0.226 σ_{dec}=0.199)
First 2 seconds (σ_{ha}=0.167 σ_{dec}=0.125)
First 20 seconds (σ_{ha}=0.212 σ_{dec}=0.189)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.212 $mean_{ha}$=0.053)
Declination Error (σ_{dec}=0.189 $mean_{dec}$=-0.033)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149090 (exptime=20.00) t [sec]

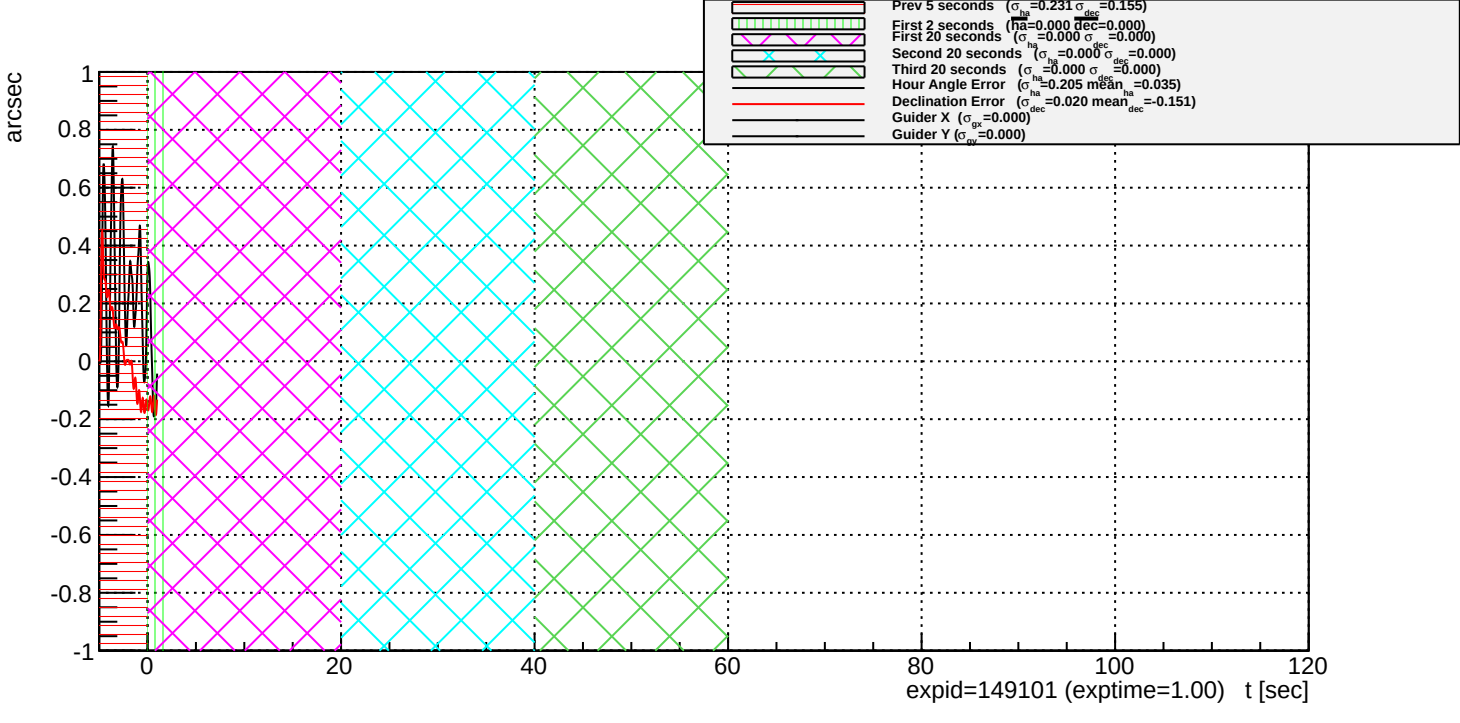

Prev 5 seconds (σ_{ha}=0.227 σ_{dec}=0.092)
First 2 seconds ($\overline{ha}$=-0.573 $\overline{dec}$=-0.023)
First 20 seconds (σ_{ha}=0.446 σ_{dec}=0.067)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.446 $mean_{ha}$=-0.074)
Declination Error (σ_{dec}=0.067 $mean_{dec}$=-0.013)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149091 (exptime=20.00) t [sec]

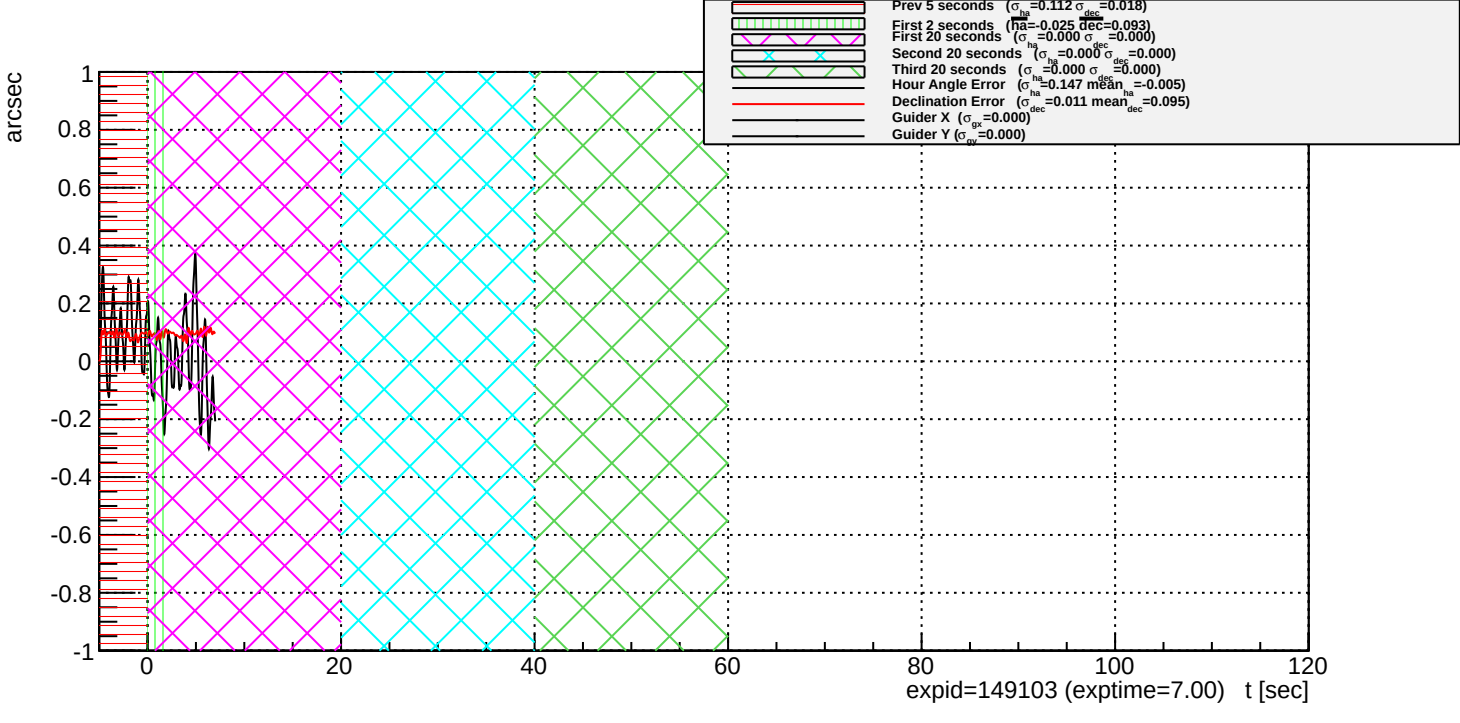

Prev 5 seconds (σ_{ha}=0.433 σ_{dec}=0.157)
First 2 seconds (σ_{ha}=0.137 σ_{dec}=0.160)
First 20 seconds (σ_{ha}=0.322 σ_{dec}=0.091)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.322 $mean_{ha}$=0.114)
Declination Error (σ_{dec}=0.091 $mean_{dec}$=0.072)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149093 (exptime=20.00)
t [sec]

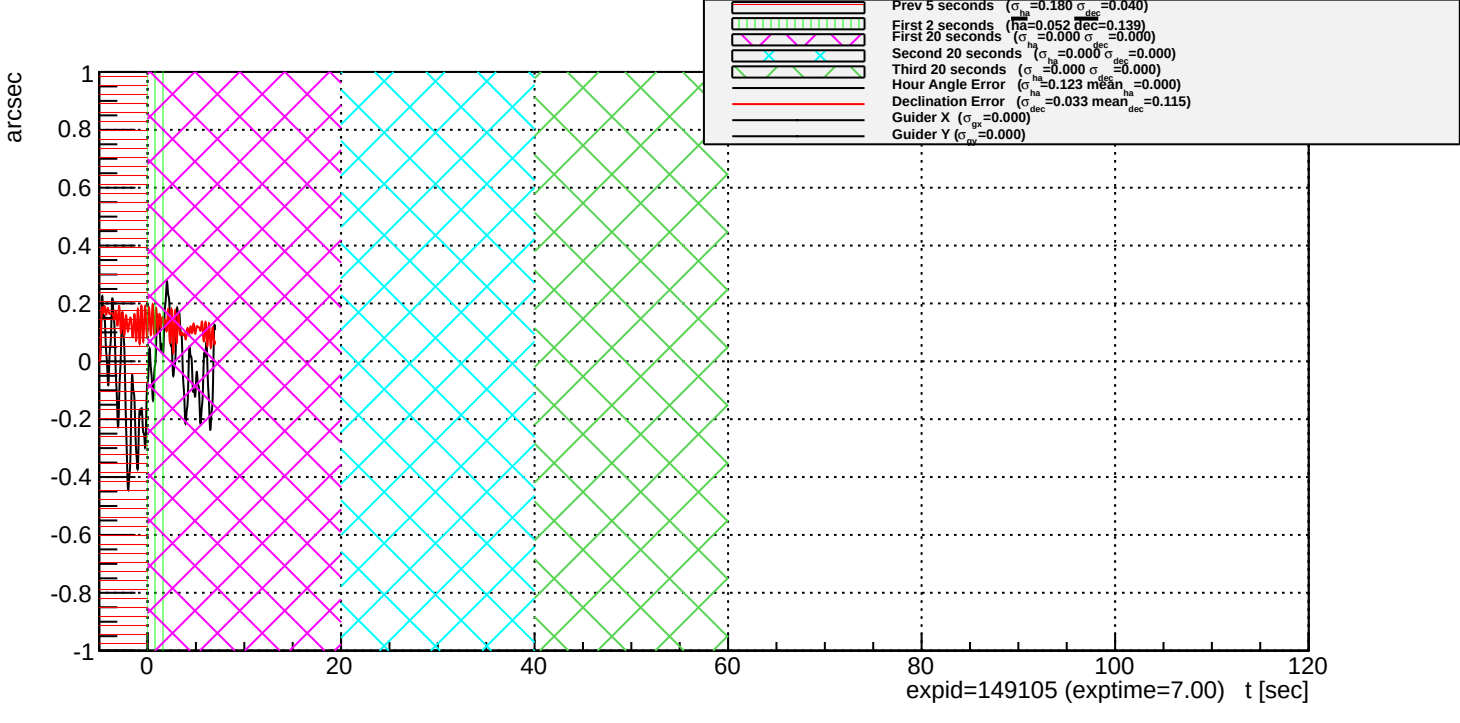

Prev 5 seconds (σ_{ha}=0.065 σ_{dec}=0.061)
First 2 seconds (ha=0.033 dec=-0.036)
First 20 seconds (σ_{ha}=1.215 σ_{dec}=0.725)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=1.216 $mean_{ha}$=-0.070)
Declination Error (σ_{dec}=0.725 $mean_{dec}$=0.000)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149096 (exptime=20.00) t [sec]

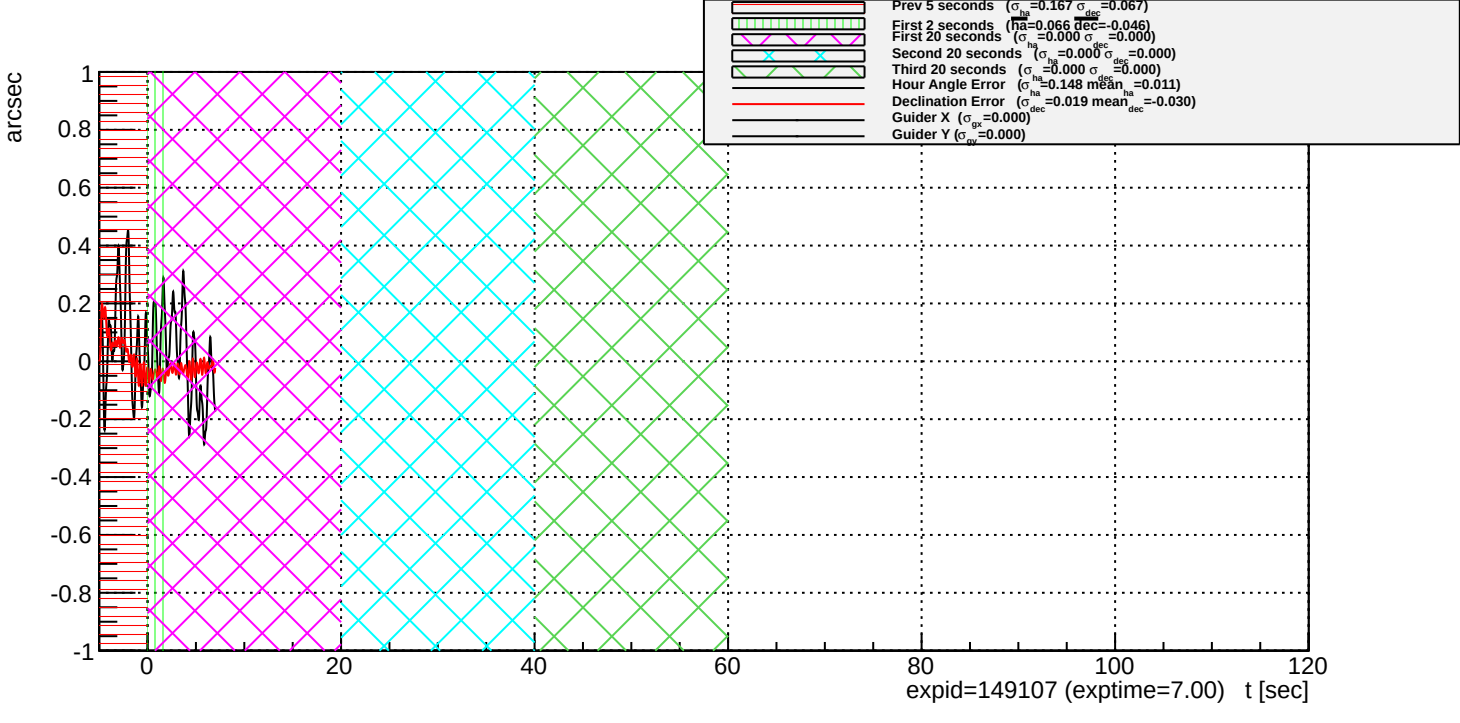

Prev 5 seconds (σ_{ha}=0.165 σ_{dec}=0.074)
First 2 seconds (ha=0.099 dec=0.147)
First 20 seconds (σ_{ha}=0.298 σ_{dec}=0.058)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.298 $mean_{ha}$=-0.088)
Declination Error (σ_{dec}=0.058 $mean_{dec}$=0.114)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149099 (exptime=20.00) t [sec]

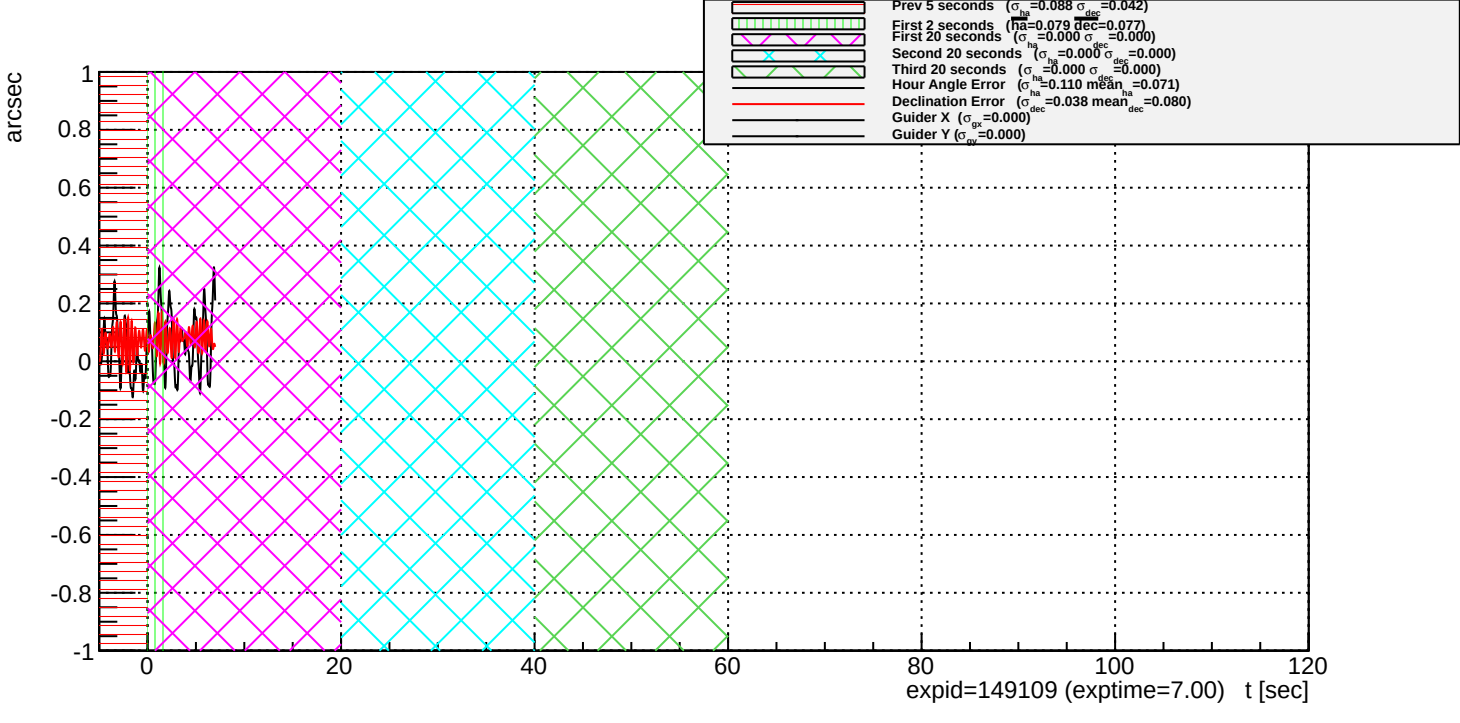

Prev 5 seconds (σ_{ha}=0.167 σ_{dec}=0.042)
First 2 seconds ($\overline{ha}$=-0.194 $\overline{dec}$=0.082)
First 20 seconds (σ_{ha}=0.306 σ_{dec}=0.122)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.306 $mean_{ha}$=-0.027)
Declination Error (σ_{dec}=0.122 $mean_{dec}$=0.009)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149100 (exptime=20.00) t [sec]

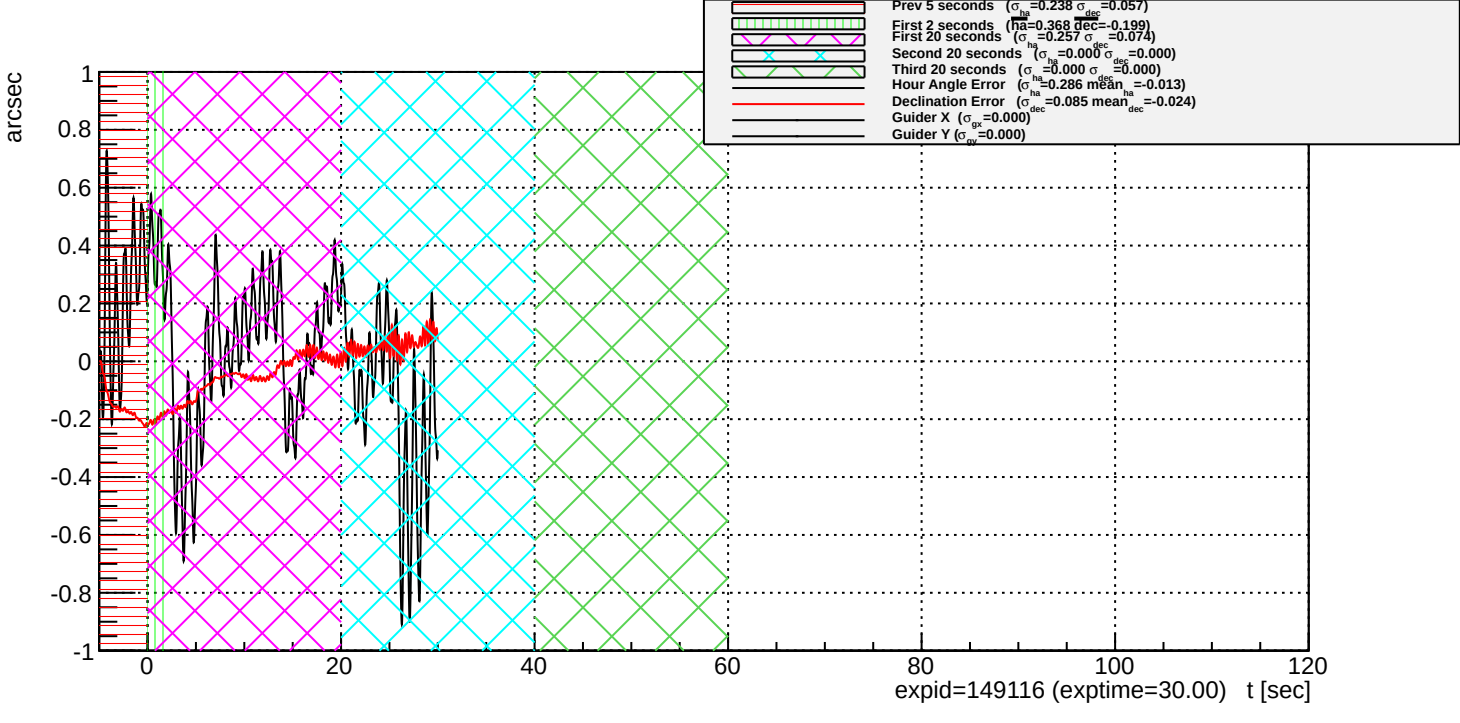

Prev 5 seconds (σ_{ha}=0.231 σ_{dec}=0.155)
First 2 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.205 $mean_{ha}$=0.035)
Declination Error (σ_{dec}=0.020 $mean_{dec}$=-0.151)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149101 (exptime=1.00)
t [sec]

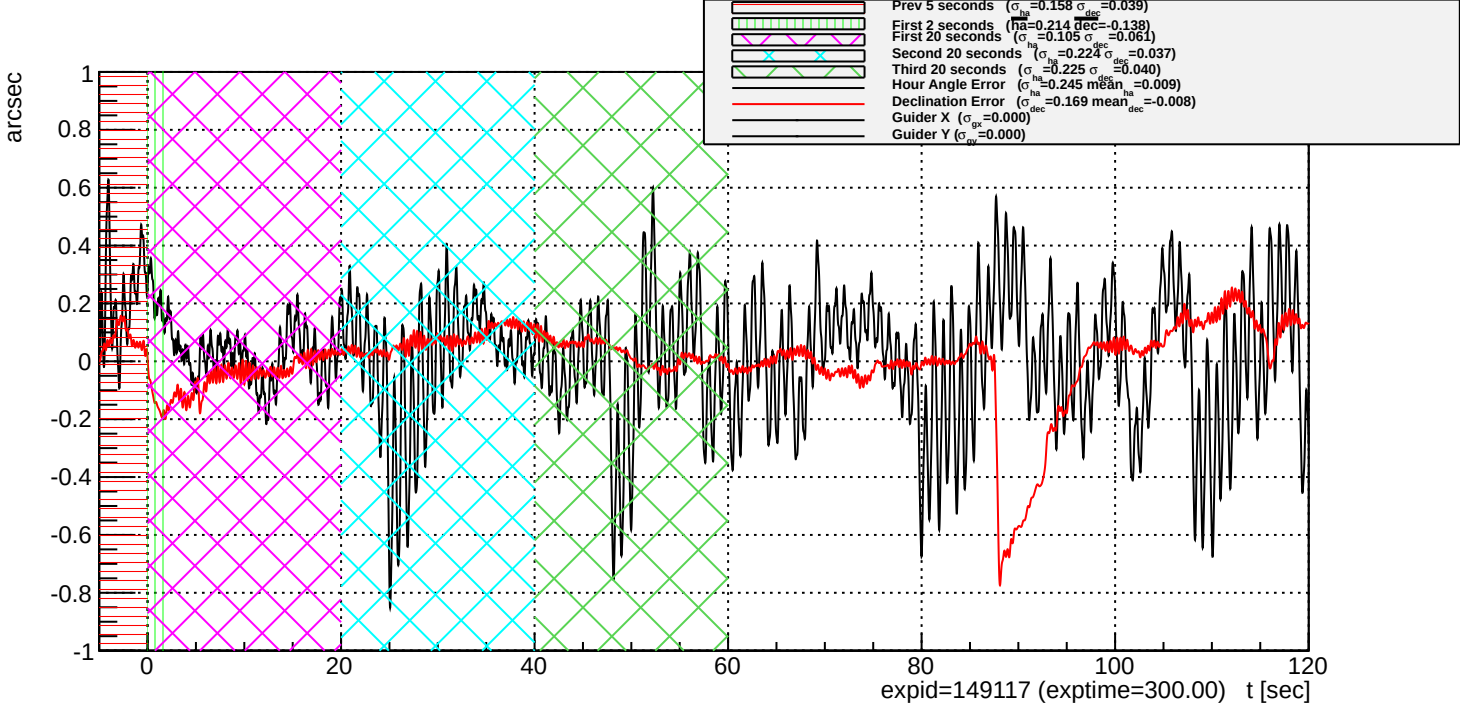

Prev 5 seconds (σ_{ha}=0.112 σ_{dec}=0.018)
First 2 seconds (mean_{ha}=-0.025 mean_{dec}=0.093)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.147 mean_{ha}=-0.005)
Declination Error (σ_{dec}=0.011 mean_{dec}=0.095)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149103 (exptime=7.00)
t [sec]

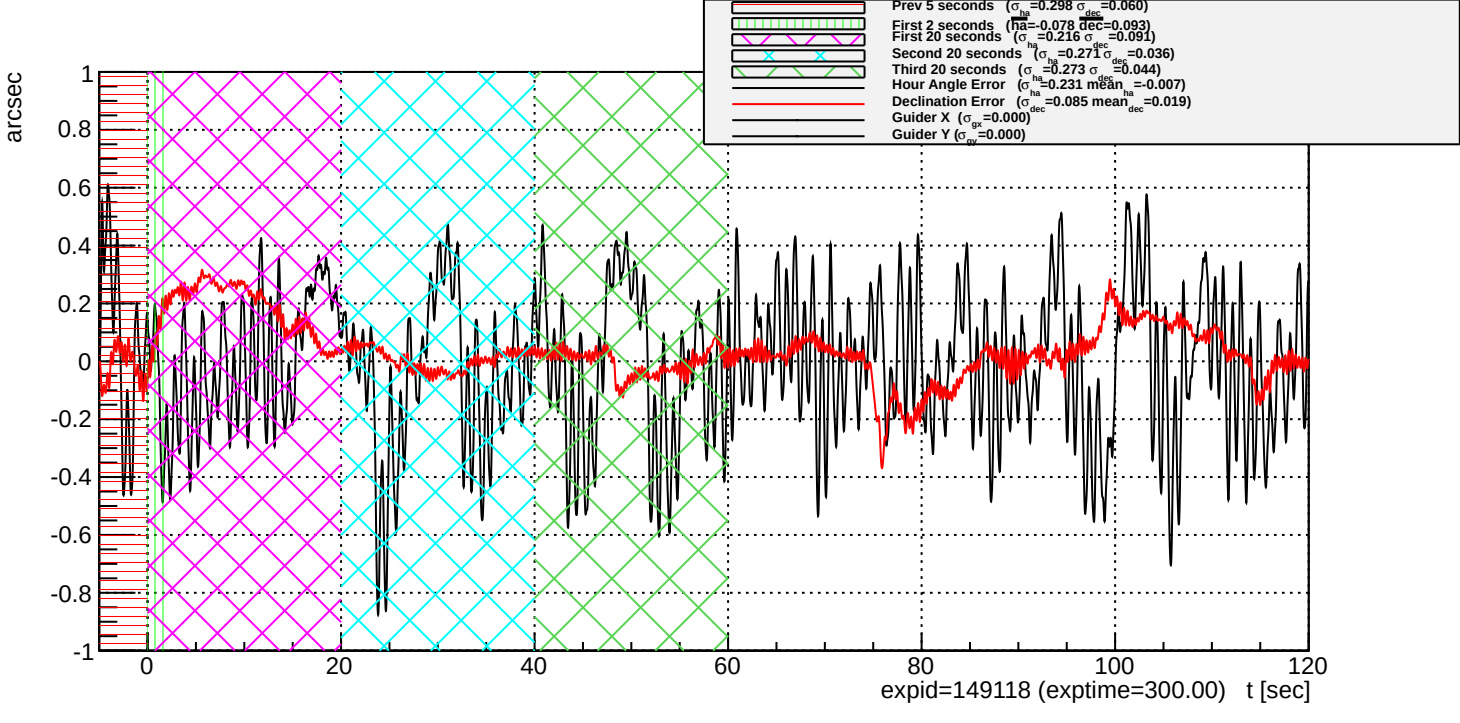

Prev 5 seconds (σ_{ha}=0.180 σ_{dec}=0.040)
First 2 seconds (ha=0.052 dec=0.139)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.123 $mean_{ha}$=0.000)
Declination Error (σ_{dec}=0.033 $mean_{dec}$=0.115)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149105 (exptime=7.00)
t [sec]

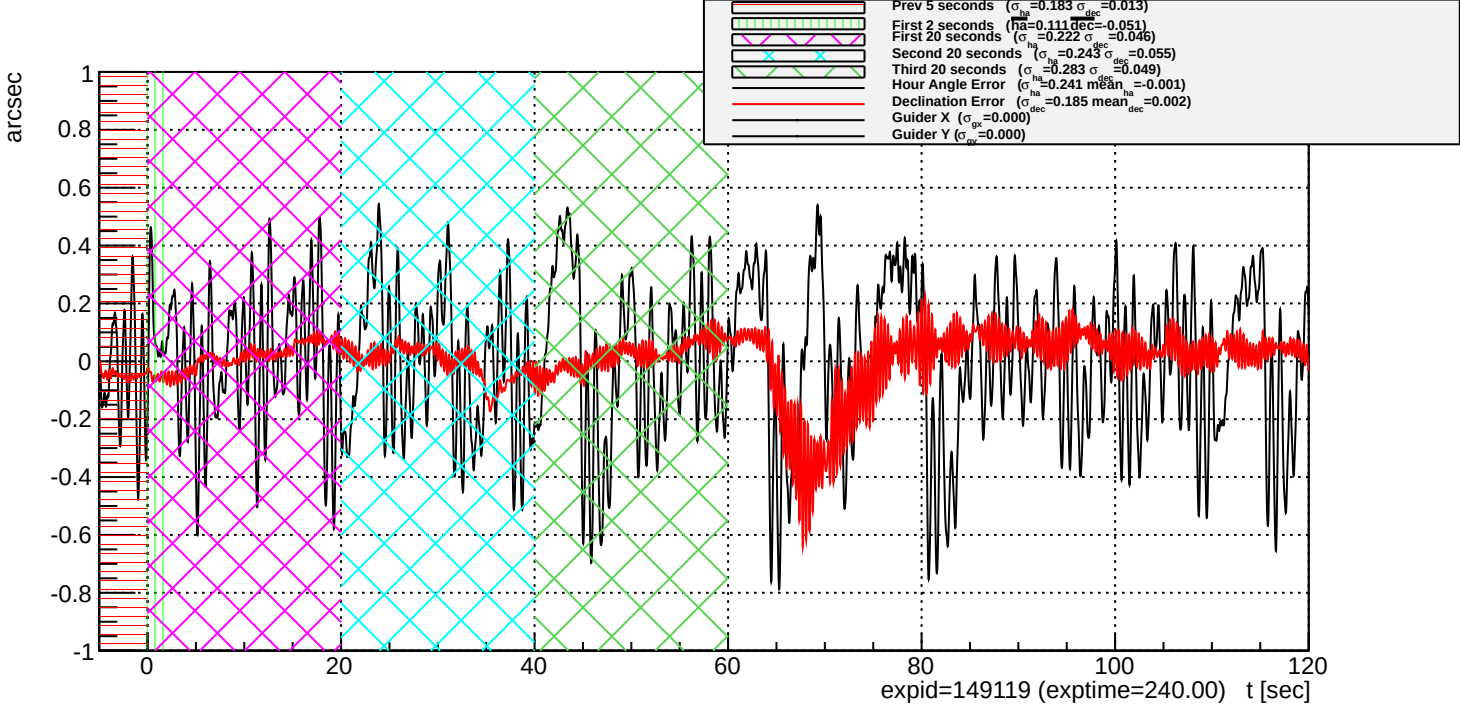

Prev 5 seconds (σ_{ha}=0.167 σ_{dec}=0.067)
First 2 seconds (ha=0.066 dec=-0.046)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.148 $mean_{ha}$=0.011)
Declination Error (σ_{dec}=0.019 $mean_{dec}$=-0.030)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149107 (exptime=7.00)
t [sec]

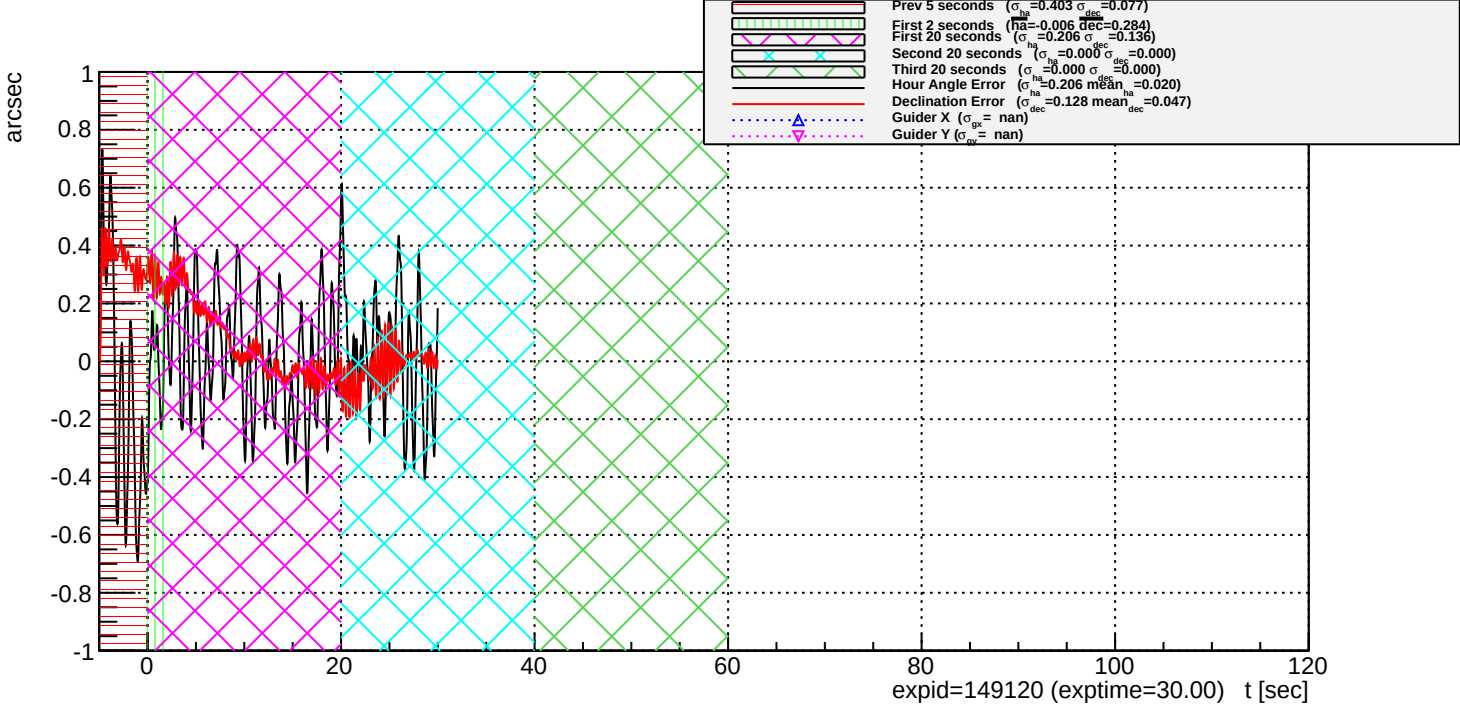

Prev 5 seconds (σ_{ha}=0.088 σ_{dec}=0.042)
First 2 seconds (ha=0.079 dec=0.077)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.110 $mean_{ha}$=0.071)
Declination Error (σ_{dec}=0.038 $mean_{dec}$=0.080)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149109 (exptime=7.00)
t [sec]

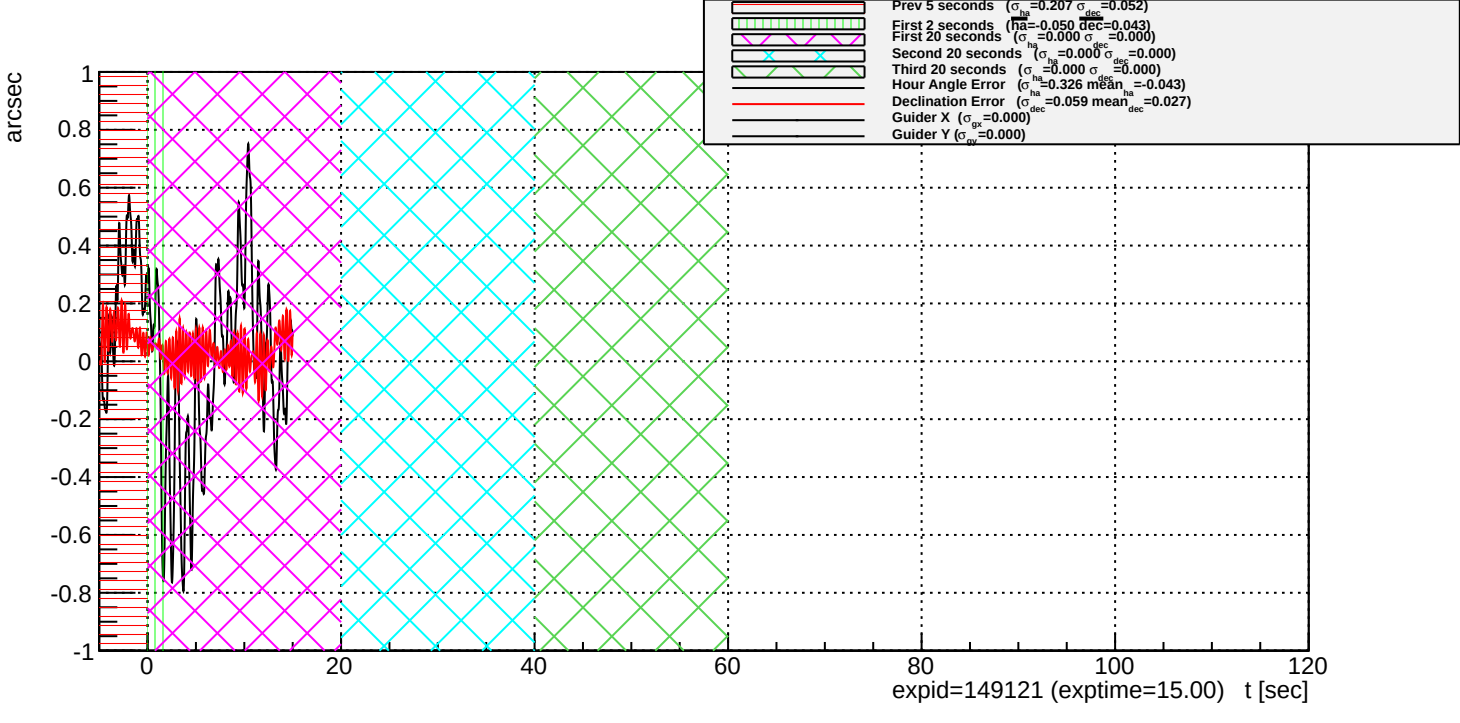

Prev 5 seconds (σ_{ha}=0.238 σ_{dec}=0.057)
First 2 seconds (ha=0.368 dec=-0.199)
First 20 seconds (σ_{ha}=0.257 σ_{dec}=0.074)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.286 $mean_{ha}$=-0.013)
Declination Error (σ_{dec}=0.085 $mean_{dec}$=-0.024)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149116 (exptime=30.00)
t [sec]

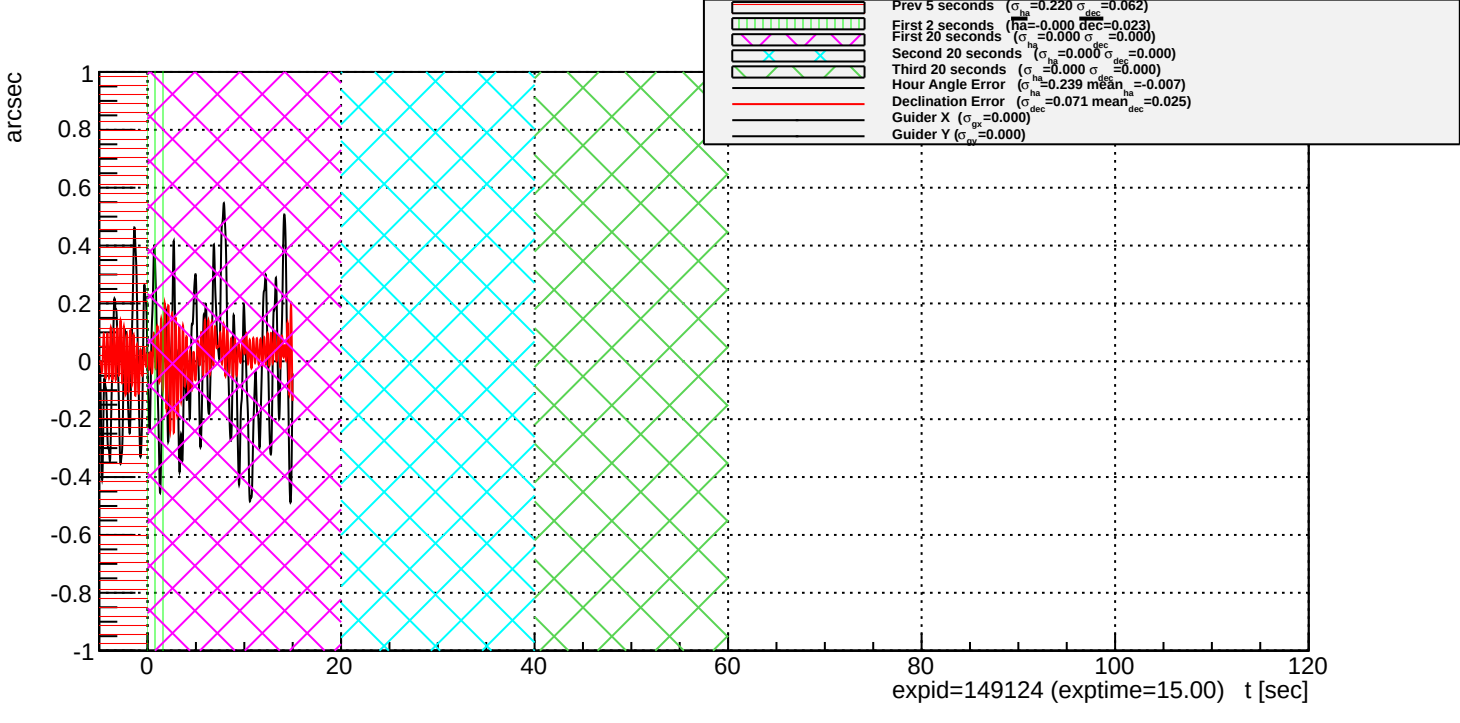

Prev 5 seconds (σ_{ha}=0.158 σ_{dec}=0.039)
First 2 seconds (ha=0.214 dec=-0.138)
First 20 seconds (σ_{ha}=0.105 σ_{dec}=0.061)
Second 20 seconds (σ_{ha}=0.224 σ_{dec}=0.037)
Third 20 seconds (σ_{ha}=0.225 σ_{dec}=0.040)
Hour Angle Error (σ_{ha}=0.245 $mean_{ha}$=0.009)
Declination Error (σ_{dec}=0.169 $mean_{dec}$=-0.008)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149117 (exptime=300.00) t [sec]

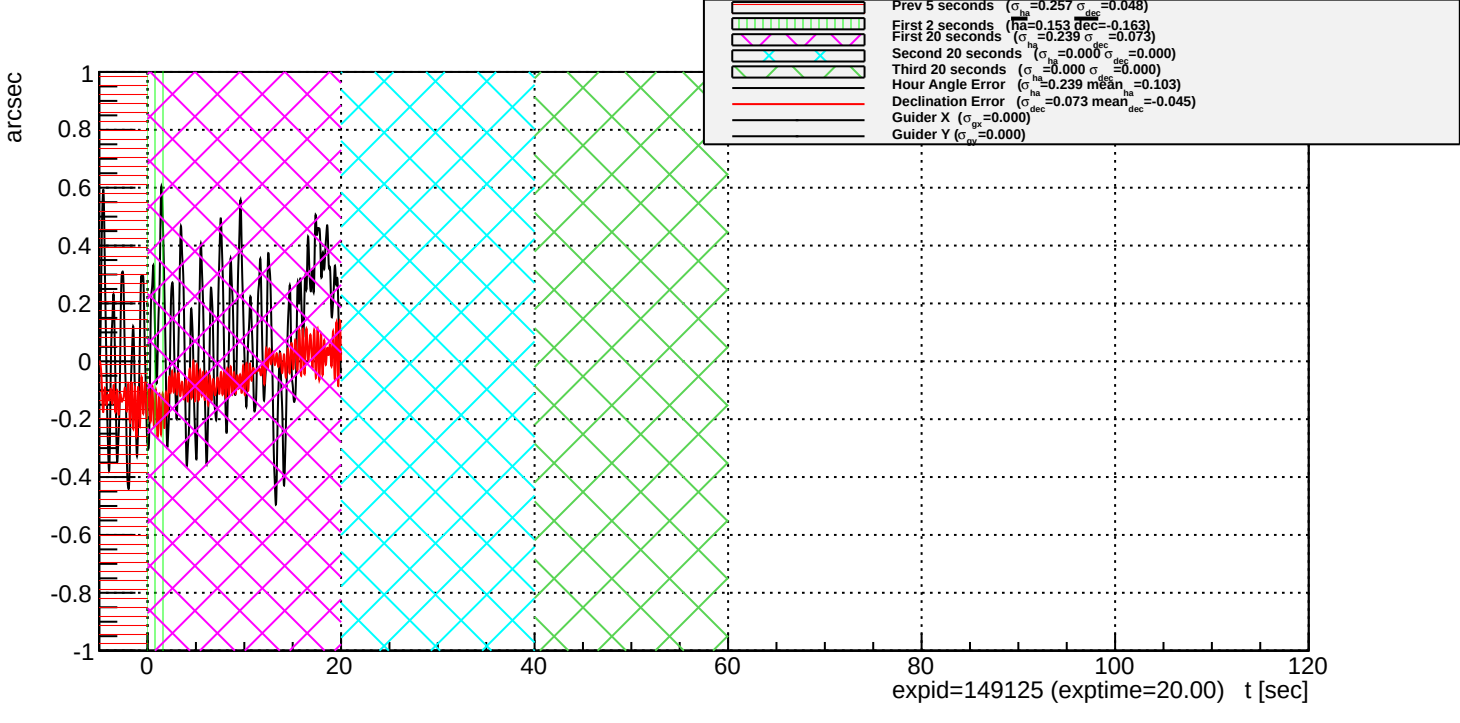

Prev 5 seconds (σ_{ha}=0.298 σ_{dec}=0.060)
First 2 seconds (σ_{ha}=-0.078 σ_{dec}=0.093)
First 20 seconds (σ_{ha}=0.216 σ_{dec}=0.091)
Second 20 seconds (σ_{ha}=0.277 σ_{dec}=0.036)
Third 20 seconds (σ_{ha}=0.273 σ_{dec}=0.044)
Hour Angle Error (σ_{ha}=0.231 $mean_{ha}$=-0.007)
Declination Error (σ_{dec}=0.085 $mean_{dec}$=0.019)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149118 (exptime=300.00)
t [sec]

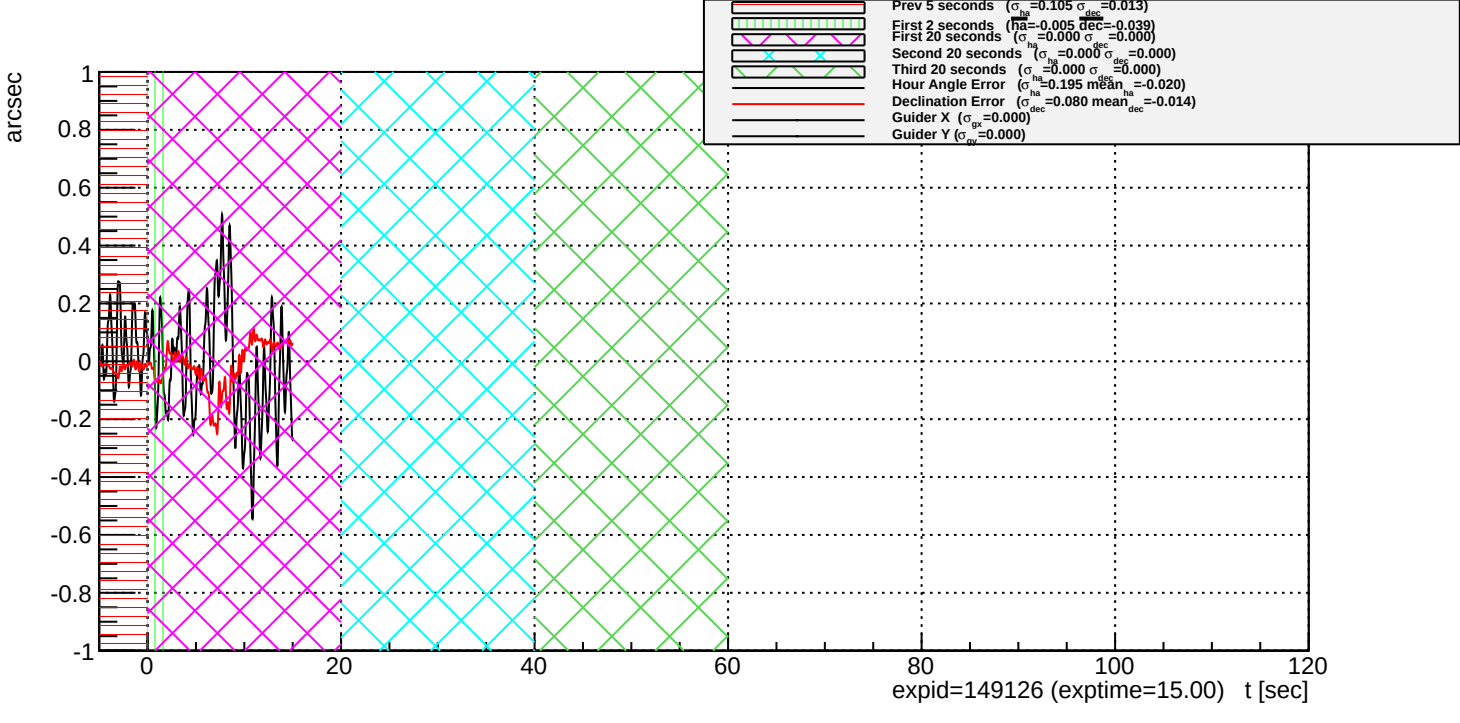

Prev 5 seconds (σ_{ha}=0.183 σ_{dec}=0.013)
First 2 seconds (σ_{ha}=0.111 σ_{dec}=-0.051)
First 20 seconds (σ_{ha}=0.222 σ_{dec}=0.046)
Second 20 seconds (σ_{ha}=0.243 σ_{dec}=0.055)
Third 20 seconds (σ_{ha}=0.283 σ_{dec}=0.049)
Hour Angle Error (σ_{ha}=0.241 $mean_{ha}$=-0.001)
Declination Error (σ_{dec}=0.185 $mean_{dec}$=0.002)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149119 (exptime=240.00) t [sec]

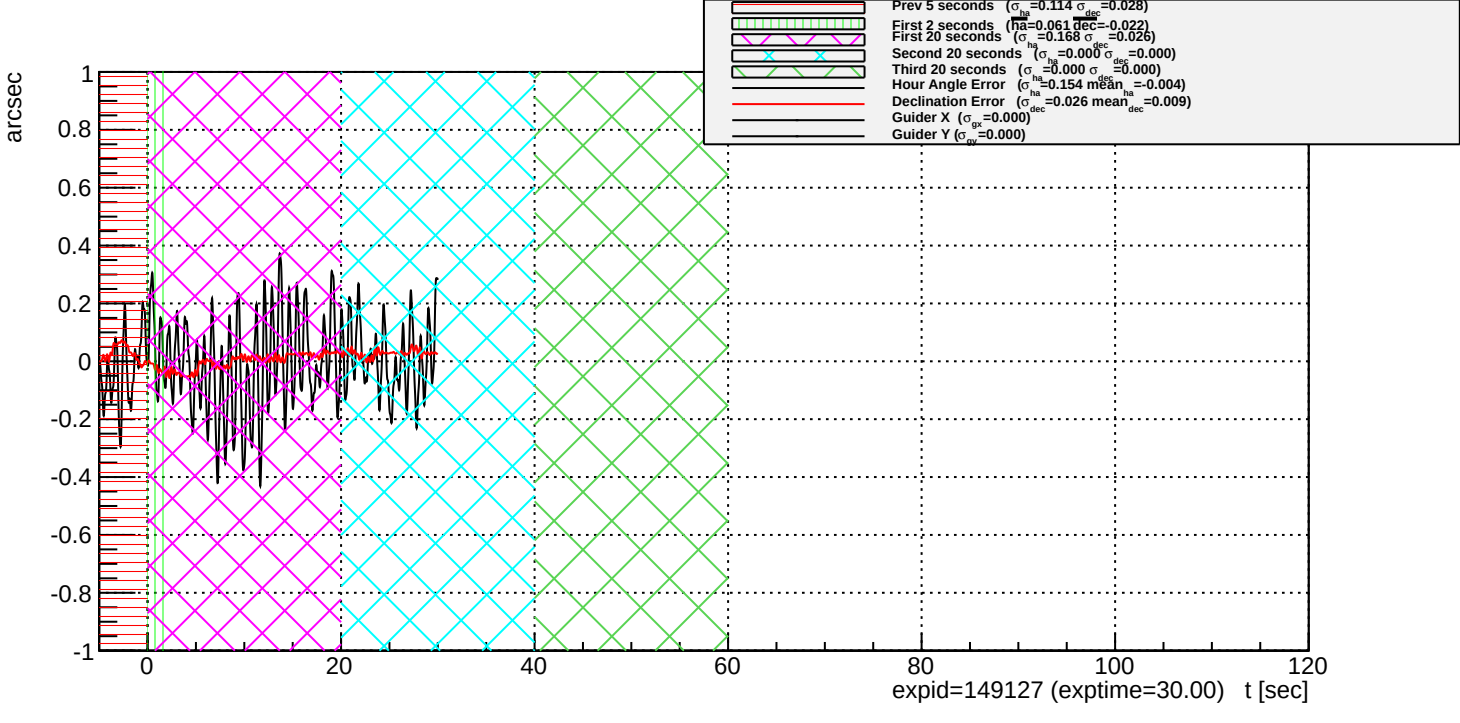

Prev 5 seconds (σ_{ha}=0.403 σ_{dec}=0.077)
First 2 seconds (ha=-0.006 dec=0.284)
First 20 seconds (σ_{ha}=0.206 σ_{dec}=0.136)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.206 $mean_{ha}$=0.020)
Declination Error (σ_{dec}=0.128 $mean_{dec}$=0.047)
Guider X (σ_{gx}= nan)
Guider Y (σ_{gy}= nan)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149120 (exptime=30.00) t [sec]

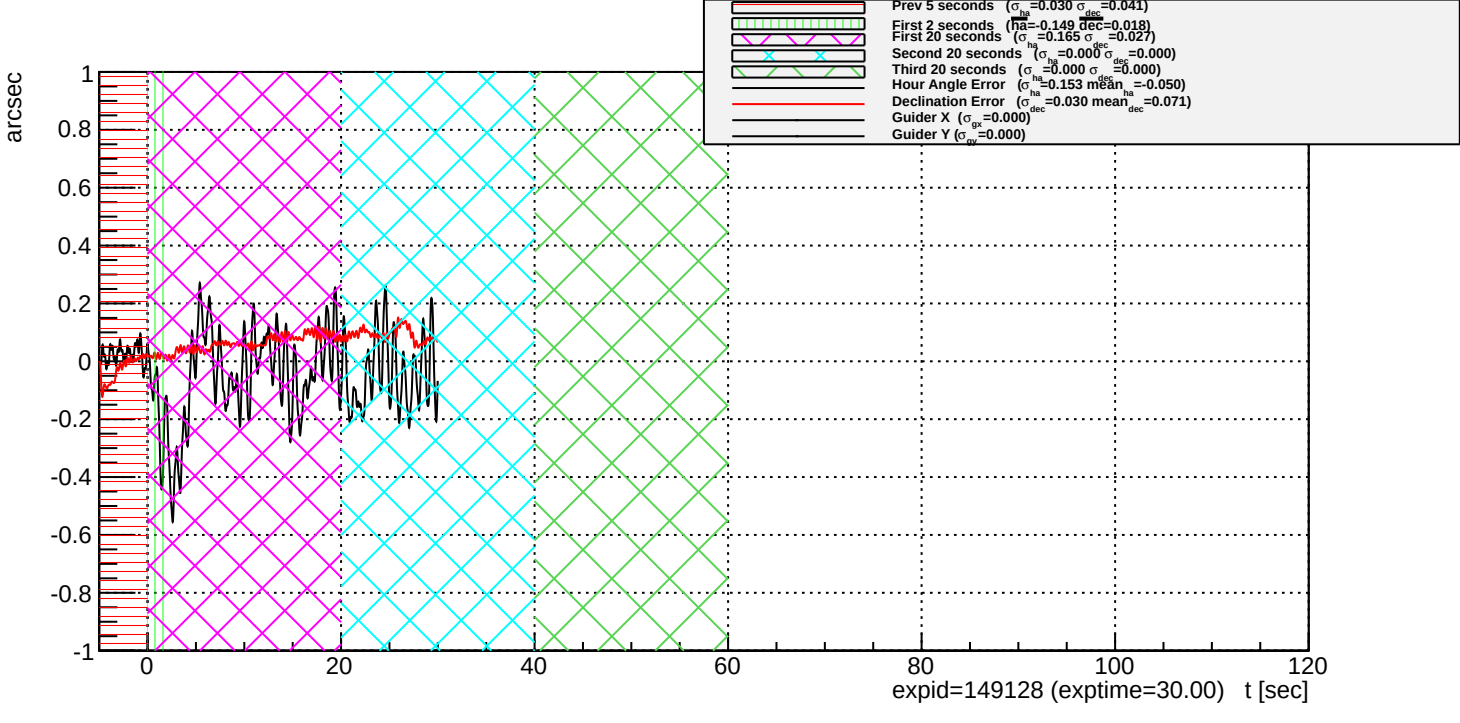

Prev 5 seconds (σ_{ha}=0.207 σ_{dec}=0.052)
First 2 seconds (σ_{ha}=-0.050 σ_{dec}=0.043)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.326 $mean_{ha}$=-0.043)
Declination Error (σ_{dec}=0.059 $mean_{dec}$=0.027)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149121 (exptime=15.00) t [sec]

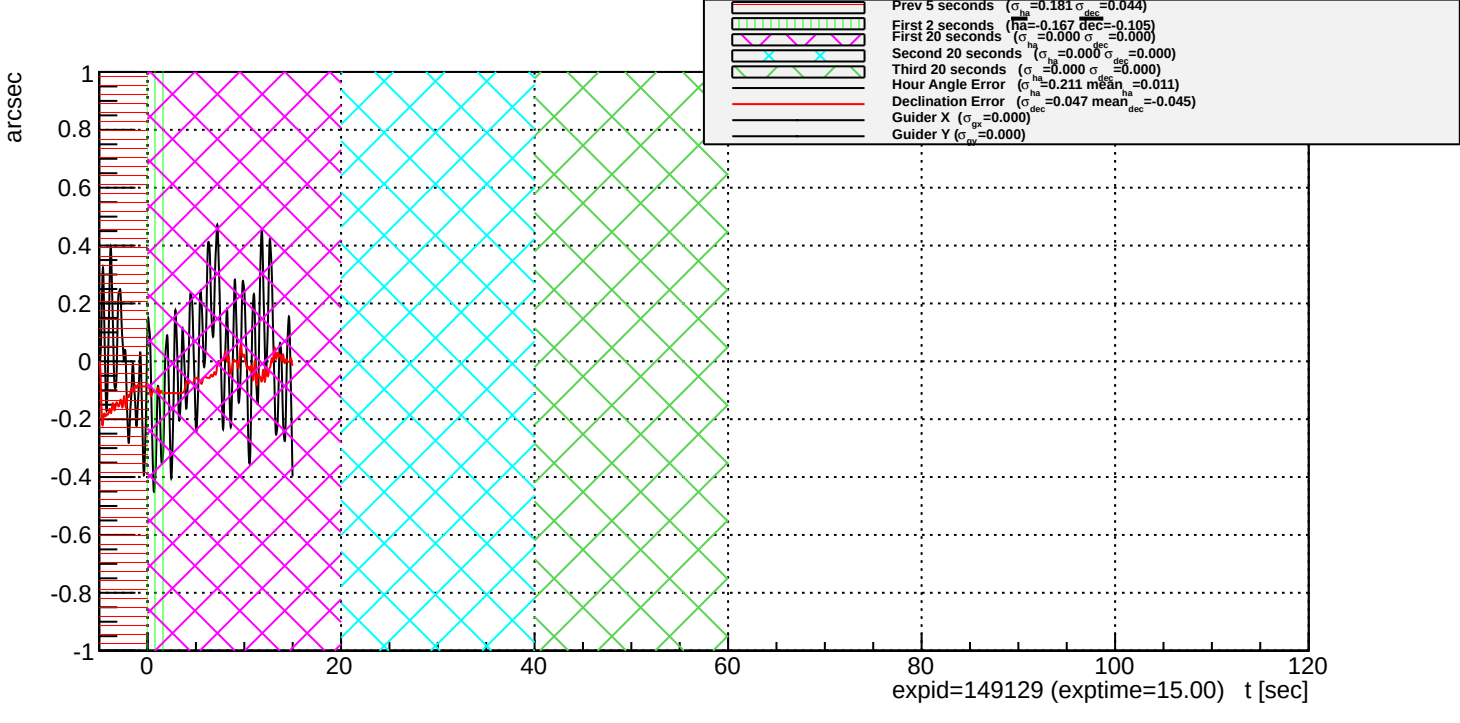

Prev 5 seconds (σ_{ha}=0.220 σ_{dec}=0.062)
First 2 seconds (σ_{ha}=-0.000 σ_{dec}=0.023)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.239 $mean_{ha}$=-0.007)
Declination Error (σ_{dec}=0.071 $mean_{dec}$=0.025)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149124 (exptime=15.00)
t [sec]

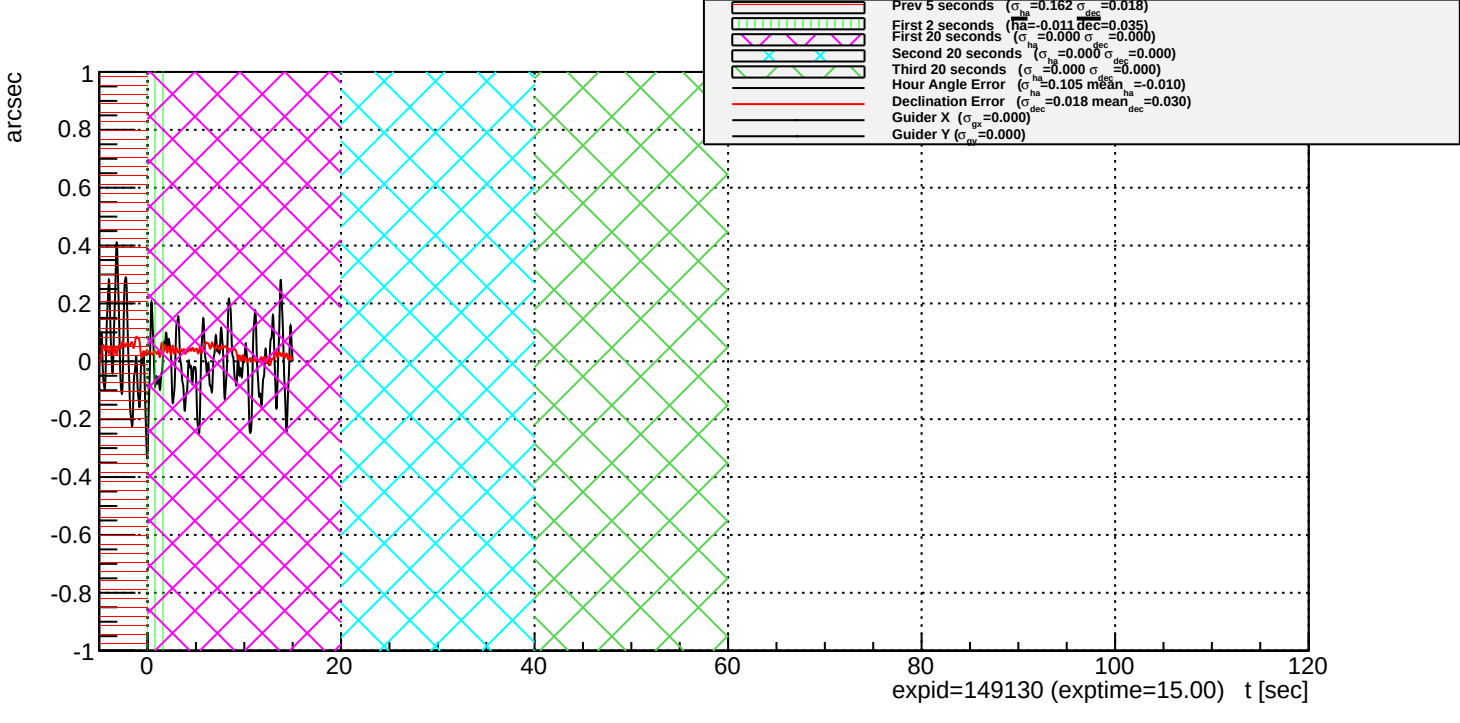

Prev 5 seconds (σ_{ha}=0.257 σ_{dec}=0.048)
First 2 seconds (ha=0.153 dec=-0.163)
First 20 seconds (σ_{ha}=0.239 σ_{dec}=0.073)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.239 $mean_{ha}$=0.103)
Declination Error (σ_{dec}=0.073 $mean_{dec}$=-0.045)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149125 (exptime=20.00)
t [sec]

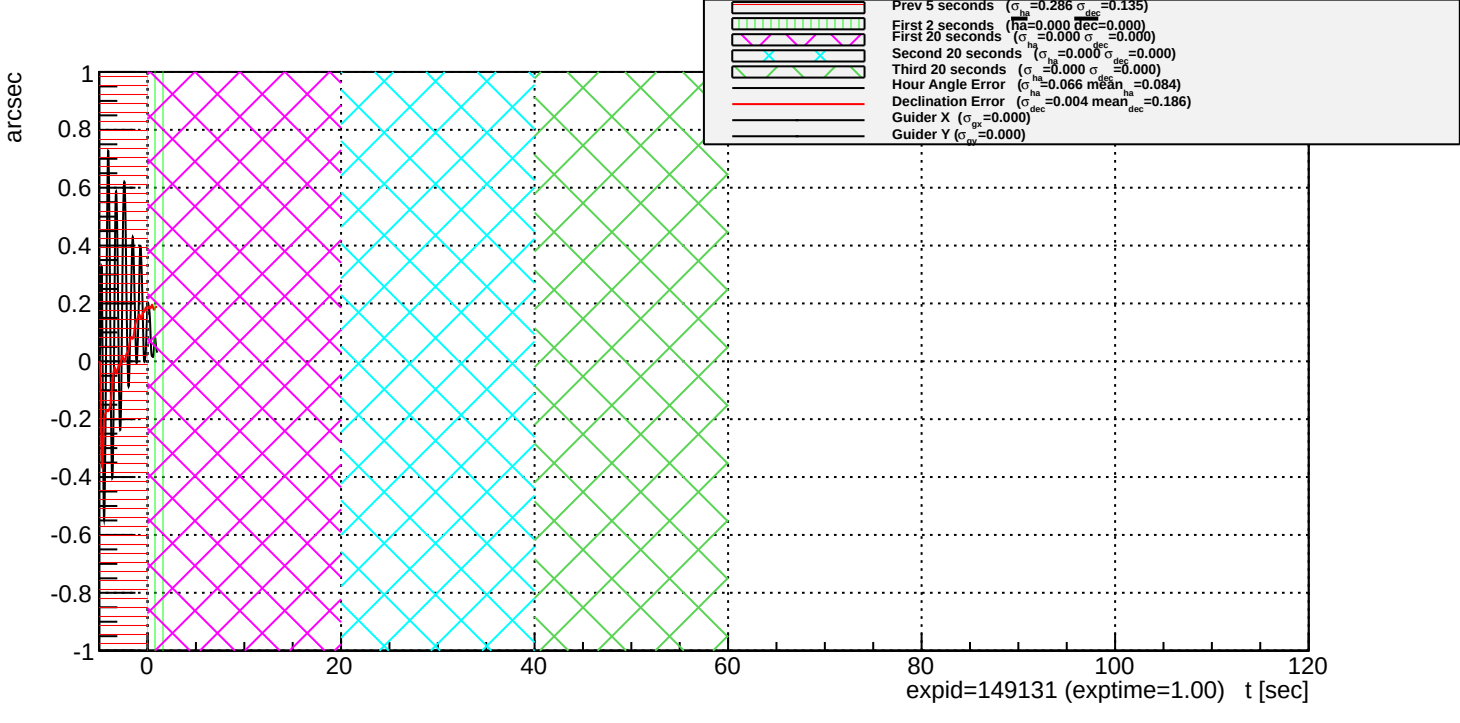

Prev 5 seconds (σ_{ha}=0.105 σ_{dec}=0.013)
First 2 seconds (ha=-0.005 dec=-0.039)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.195 $mean_{ha}$=-0.020)
Declination Error (σ_{dec}=0.080 $mean_{dec}$=-0.014)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149126 (exptime=15.00)
t [sec]

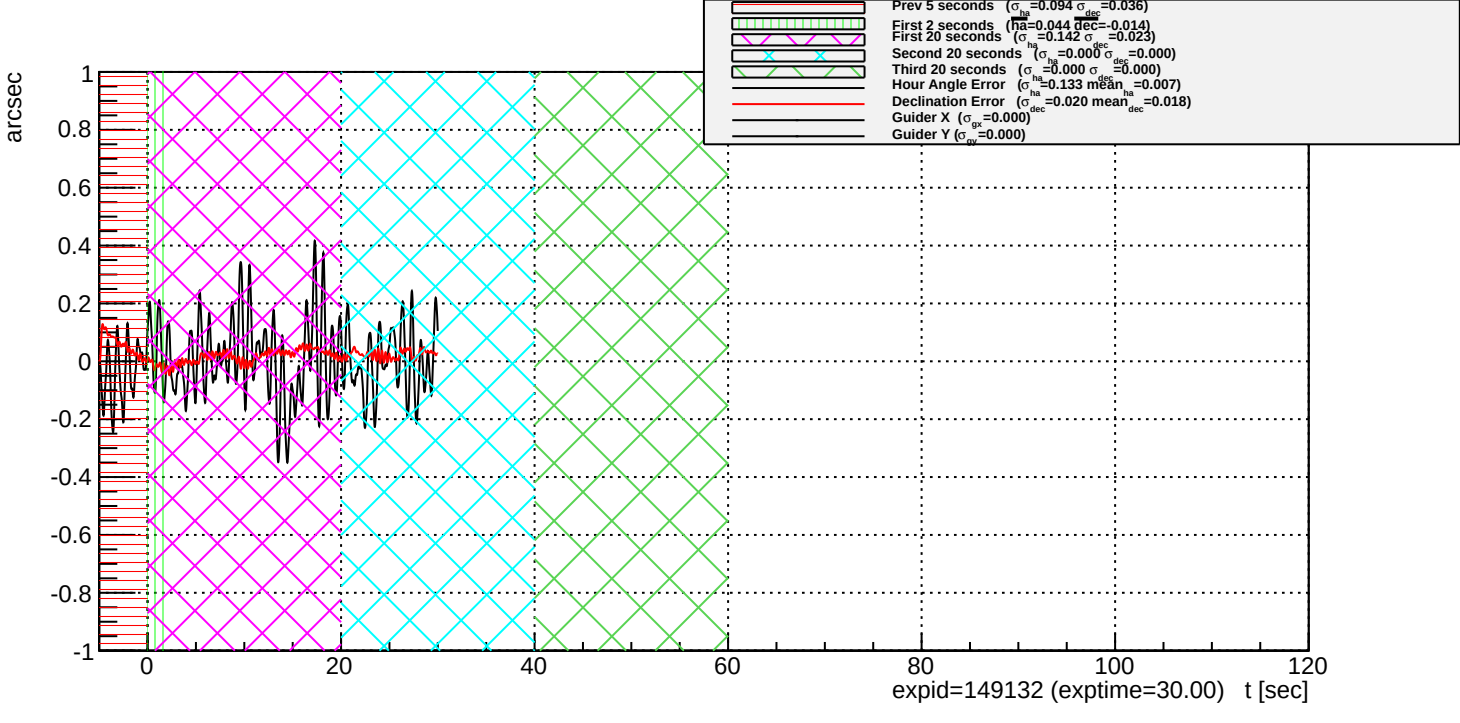

Prev 5 seconds (σ_{ha}=0.114 σ_{dec}=0.028)
First 2 seconds ($\overline{ha}$=0.061 $\overline{dec}$=-0.022)
First 20 seconds (σ_{ha}=0.168 σ_{dec}=0.026)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.154 $mean_{ha}$=-0.004)
Declination Error (σ_{dec}=0.026 $mean_{dec}$=0.009)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149127 (exptime=30.00)
t [sec]


Prev 5 seconds (σ_{ha}=0.030 σ_{dec}=0.041)
First 2 seconds ($mean_{ha}$=-0.149 $mean_{dec}$=0.018)
First 20 seconds (σ_{ha}=0.165 σ_{dec}=0.027)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.153 $mean_{ha}$=-0.050)
Declination Error (σ_{dec}=0.030 $mean_{dec}$=0.071)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149128 (exptime=30.00)
t [sec]


Prev 5 seconds (σ_{ha}=0.181 σ_{dec}=0.044)
First 2 seconds (ha=-0.167 dec=-0.105)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.211 $mean_{ha}$=0.011)
Declination Error (σ_{dec}=0.047 $mean_{dec}$=-0.045)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149129 (exptime=15.00)
t [sec]


Prev 5 seconds (σ_{ha}=0.162 σ_{dec}=0.018)
First 2 seconds (σ_{ha}=-0.011 σ_{dec}=0.035)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.105 $mean_{ha}$=-0.010)
Declination Error (σ_{dec}=0.018 $mean_{dec}$=0.030)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149130 (exptime=15.00)
t [sec]


Prev 5 seconds (σ_{ha}=0.286 σ_{dec}=0.135)
First 2 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
First 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.066 $mean_{ha}$=0.084)
Declination Error (σ_{dec}=0.004 $mean_{dec}$=0.186)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149131 (exptime=1.00) t [sec]


Prev 5 seconds (σ_{ha}=0.094 σ_{dec}=0.036)
First 2 seconds (ha=0.044 dec=-0.014)
First 20 seconds (σ_{ha}=0.142 σ_{dec}=0.023)
Second 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Third 20 seconds (σ_{ha}=0.000 σ_{dec}=0.000)
Hour Angle Error (σ_{ha}=0.133 $mean_{ha}$=0.007)
Declination Error (σ_{dec}=0.020 $mean_{dec}$=0.018)
Guider X (σ_{gx}=0.000)
Guider Y (σ_{gy}=0.000)
arcsec
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
20
40
60
80
100
120
expid=149132 (exptime=30.00)
t [sec]