

Figure 10 is a line plot showing mean errors and variances for various localization methods over time. The x-axis represents 'Time in s' from 55 to 95. The y-axis represents error values from -2000 to 2000. A vertical dashed line at 65s indicates the kidnapping event. The legend includes:

- Error PF (dark blue line)
- Variance PF (light blue shaded area)
- Error UPF (dark orange line)
- Variance UPF (light orange shaded area)
- Error PFC (dark yellow line)
- Variance PFC (light yellow shaded area)
- Error UPFC (dark purple line)
- Variance UPFC (light purple shaded area)
- Error PFS (dark green line)
- Variance PFS (light green shaded area)
- Error UPFS (dark cyan line)
- Variance UPFS (light cyan shaded area)
- Kidnapping (grey line)

The plot shows that after the kidnapping event, the mean errors for all methods remain relatively stable and close to zero, while the variances increase significantly, indicating increased uncertainty in the localization estimates.

