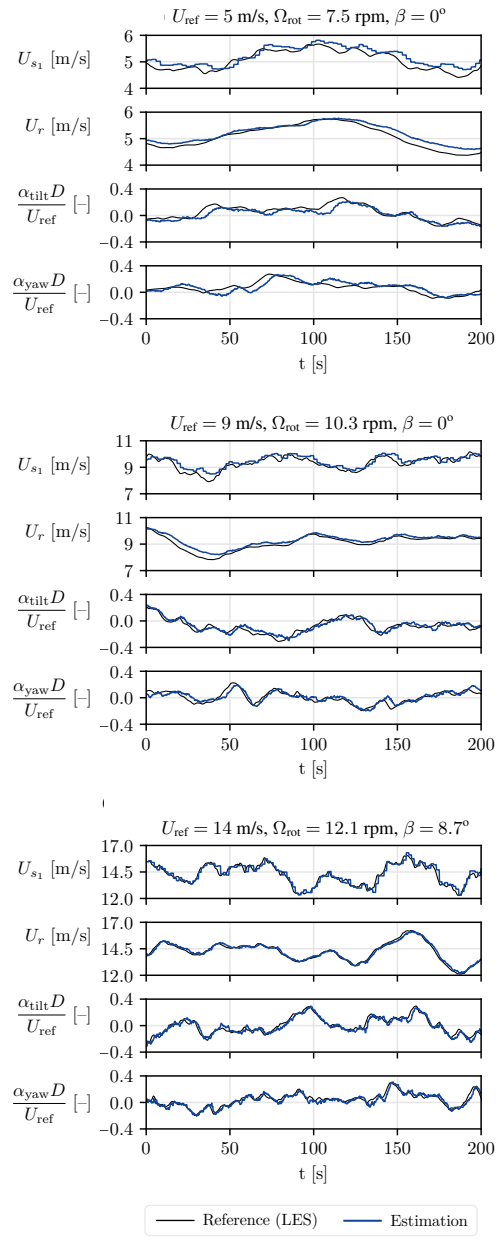
$U_{\mathrm{ref}} = 5$ m/s, $\Omega_{\mathrm{rot}} = 7.5$ rpm, $\beta = 0^{\mathrm{o}}$
U_{s_1} [m/s]
U_r [m/s]
$\frac{\alpha_{\mathrm{tilt}} D}{U_{\mathrm{ref}}}$ [–]
$\frac{\alpha_{\mathrm{yaw}} D}{U_{\mathrm{ref}}}$ [–]
t [s]
$U_{\mathrm{ref}} = 9$ m/s, $\Omega_{\mathrm{rot}} = 10.3$ rpm, $\beta = 0^{\mathrm{o}}$
U_{s_1} [m/s]
U_r [m/s]
$\frac{\alpha_{\mathrm{tilt}} D}{U_{\mathrm{ref}}}$ [–]
$\frac{\alpha_{\mathrm{yaw}} D}{U_{\mathrm{ref}}}$ [–]
t [s]
$U_{\mathrm{ref}} = 14$ m/s, $\Omega_{\mathrm{rot}} = 12.1$ rpm, $\beta = 8.7^{\mathrm{o}}$
U_{s_1} [m/s]
U_r [m/s]
$\frac{\alpha_{\mathrm{tilt}} D}{U_{\mathrm{ref}}}$ [–]
$\frac{\alpha_{\mathrm{yaw}} D}{U_{\mathrm{ref}}}$ [–]
t [s]
Reference (LES)
Estimation