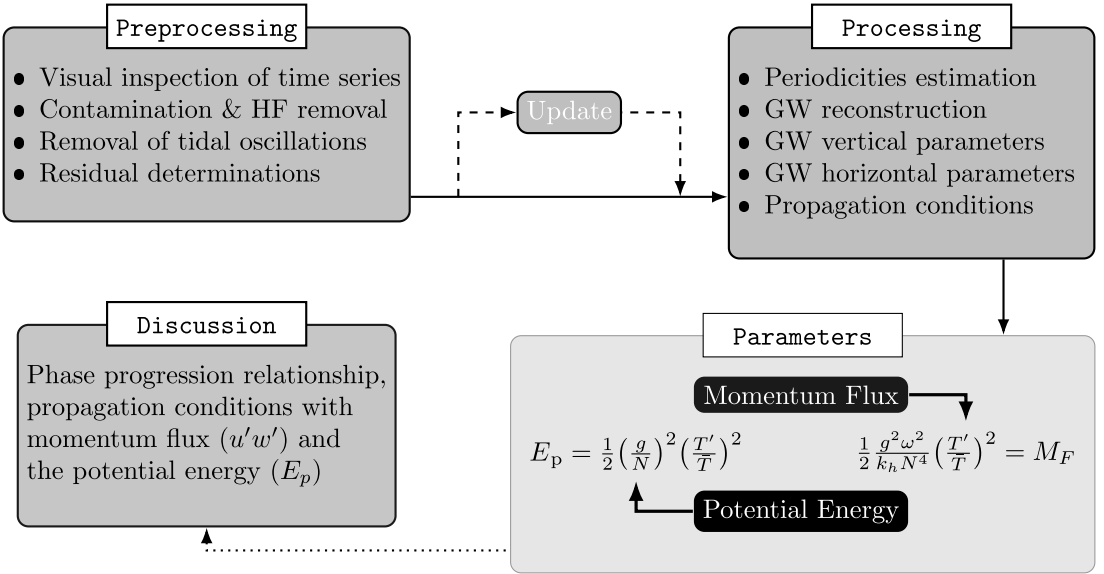
Preprocessing
Visual inspection of time series
Contamination & HF removal
Removal of tidal oscillations
Residual determinations
Update
Processing
Periodicities estimation
GW reconstruction
GW vertical parameters
GW horizontal parameters
Propagation conditions
Discussion
Phase progression relationship, propagation conditions with momentum flux ($u'w'$) and the potential energy (E_p)
Parameters
Momentum Flux
$E_{\mathrm{p}} = \frac{1}{2}\left(\frac{g}{N}\right)^2\left(\frac{T'}{T}\right)^2$
$\frac{1}{2}\frac{g^2\omega^2}{k_h N^4}\left(\frac{T'}{T}\right)^2 = M_F$
Potential Energy