THOC residual time series (some major events removed as well) 15 10 EAST [mm] 5 0 -10 -35 25 20 NORTH [mm] 15 10 5 -5 -10 -\$5 60 40 UP [mm] 20 0 -20 -40 -60 2015 2016 2017 2018 2019 Ti 2020 2021 2022 2023 2024 Time [year]