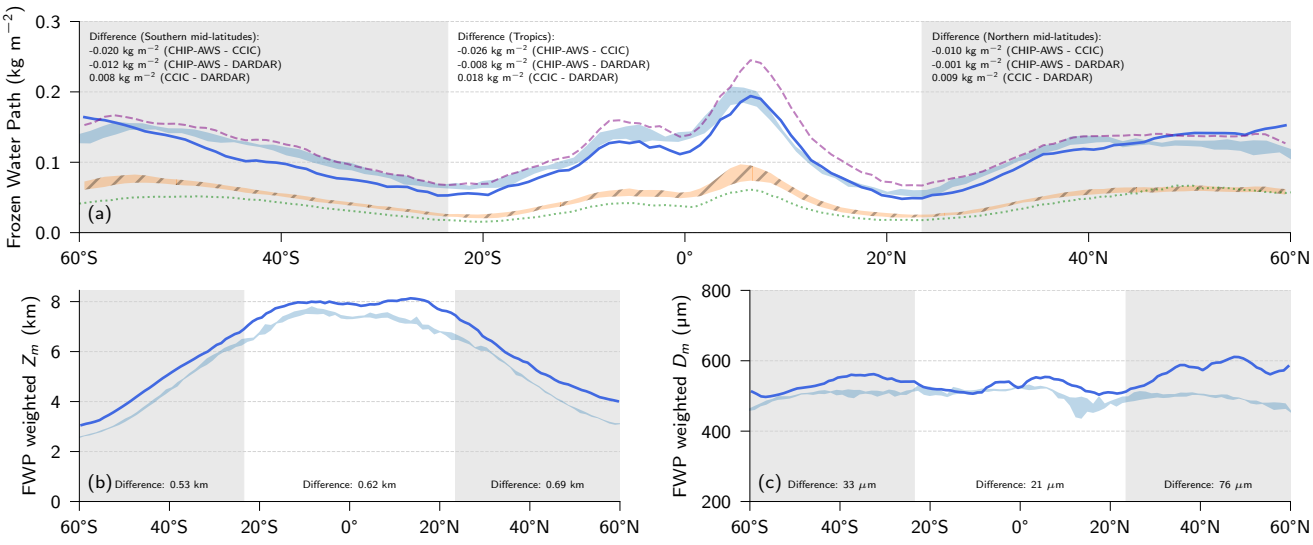
CHIP-AWS (2025)
DARDAR (2007-2010)
MODIS (2003-2023)
CCIC (co-located)
CLARA (Metop-B, 2025)
Frozen Water Path (kg m^{-2})
Difference (Southern mid-latitudes):
-0.020 kg m^{-2} (CHIP-AWS - CCIC)
-0.012 kg m^{-2} (CHIP-AWS - DARDAR)
0.008 kg m^{-2} (CCIC - DARDAR)
Difference (Tropics):
-0.026 kg m^{-2} (CHIP-AWS - CCIC)
-0.008 kg m^{-2} (CHIP-AWS - DARDAR)
0.018 kg m^{-2} (CCIC - DARDAR)
Difference (Northern mid-latitudes):
-0.010 kg m^{-2} (CHIP-AWS - CCIC)
-0.001 kg m^{-2} (CHIP-AWS - DARDAR)
0.009 kg m^{-2} (CCIC - DARDAR)
(a)
0.3
0.2
0.1
0.0
60°S
40°S
20°S
0°
20°N
40°N
60°N
FWP weighted Z_m (km)
(b) Difference: 0.53 km
Difference: 0.62 km
Difference: 0.69 km
8
6
4
2
0
FWP weighted D_m (μm)
(c) Difference: 33 μm
Difference: 21 μm
Difference: 76 μm
800
600
400
200