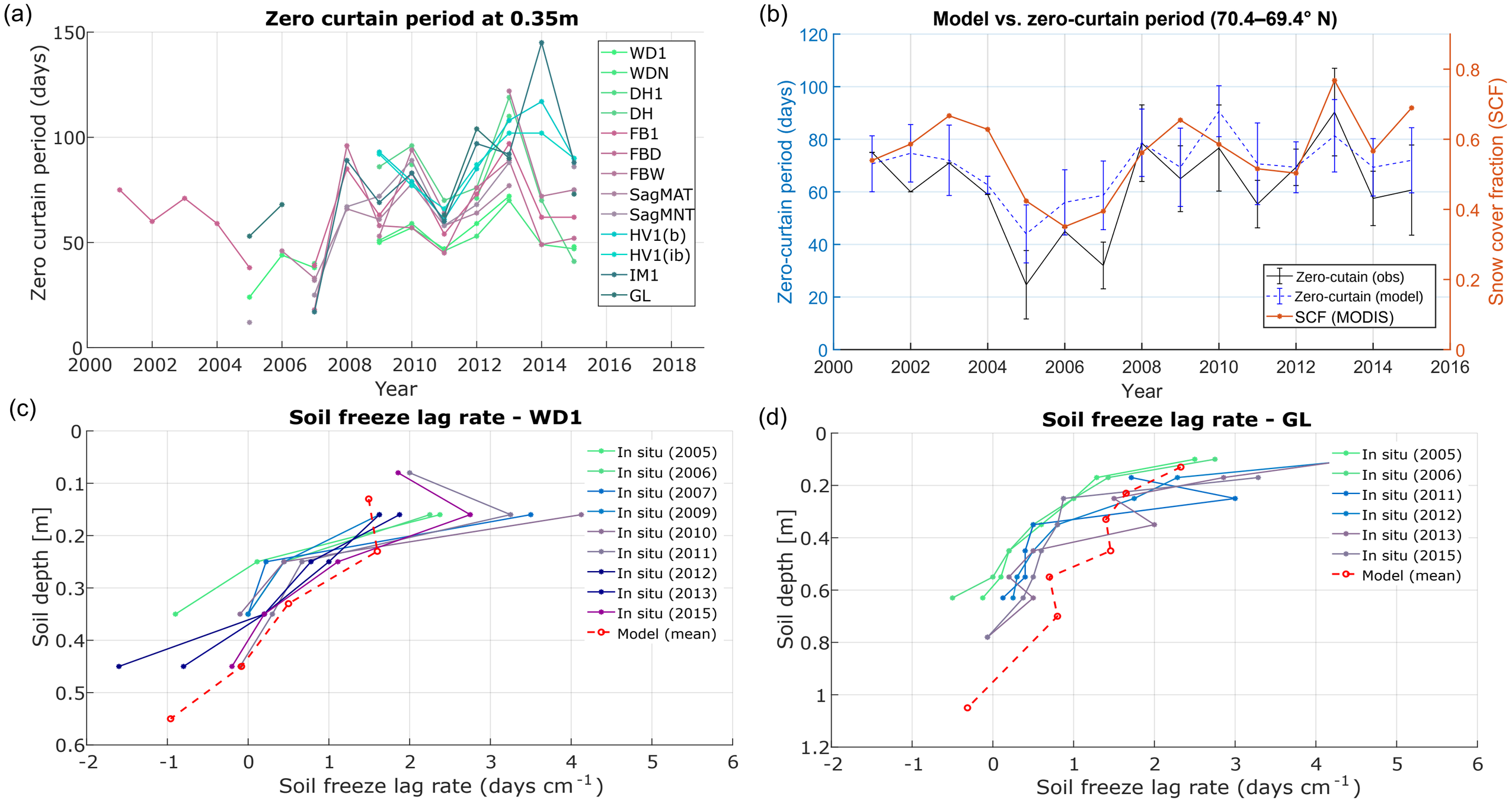
(a)
Zero curtain period at 0.35m
Zero curtain period (days)
Year
WD1
WDN
DH1
DH
FB1
FBD
FBW
SagMAT
SagMNT
HV1(b)
HV1(ib)
IM1
GL
(b)
Model vs. zero-curtain period (70.4–69.4° N)
Zero-curtain period (days)
Snow cover fraction (SCF)
Year
Zero-cutain (obs)
Zero-curtain (model)
SCF (MODIS)
(c)
Soil freeze lag rate - WD1
Soil depth [m]
Soil freeze lag rate (days cm^{-1})
In situ (2005)
In situ (2006)
In situ (2007)
In situ (2009)
In situ (2010)
In situ (2011)
In situ (2012)
In situ (2013)
In situ (2015)
Model (mean)
(d)
Soil freeze lag rate - GL
Soil depth [m]
Soil freeze lag rate (days cm^{-1})
In situ (2005)
In situ (2006)
In situ (2011)
In situ (2012)
In situ (2013)
In situ (2015)
Model (mean)