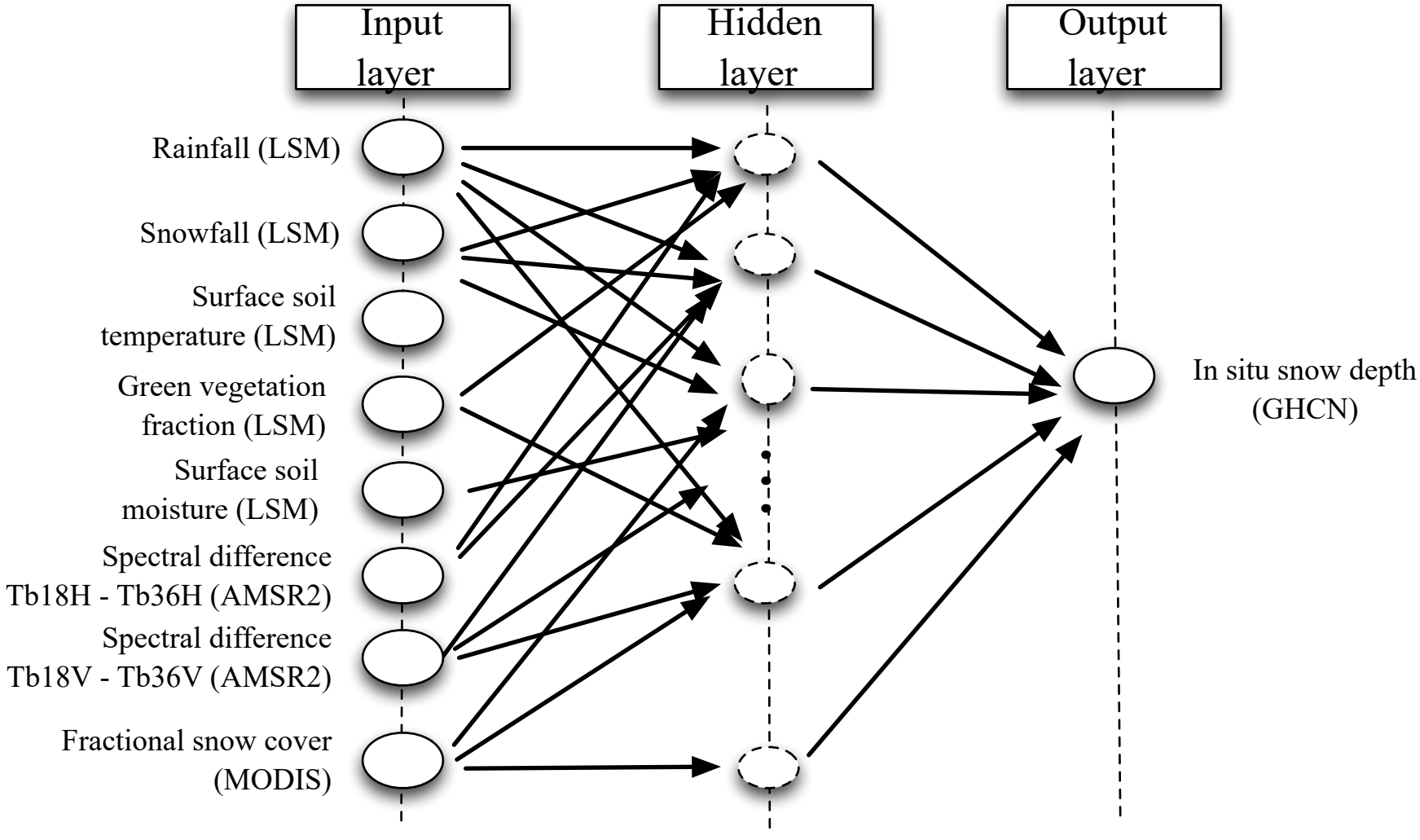
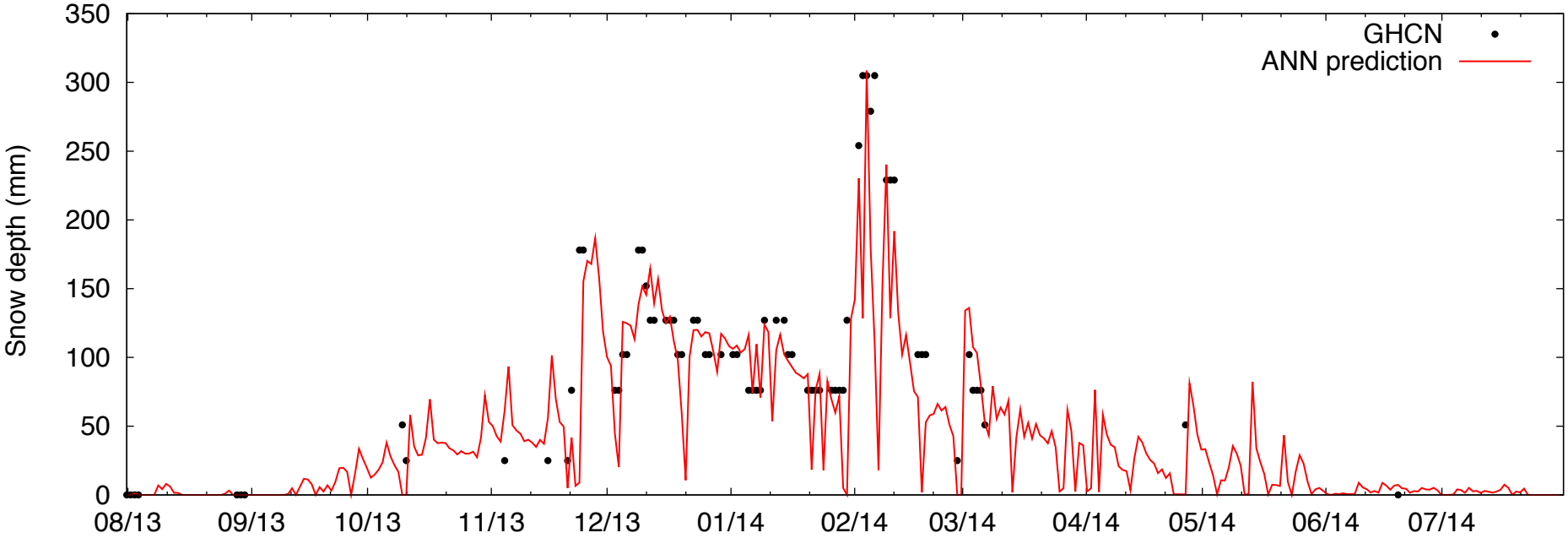

Input layer
Hidden layer
Output layer
Rainfall (LSM)
Snowfall (LSM)
Surface soil temperature (LSM)
Green vegetation fraction (LSM)
Surface soil moisture (LSM)
Spectral difference Tb18H - Tb36H (AMSR2)
Spectral difference Tb18V - Tb36V (AMSR2)
Fractional snow cover (MODIS)
In situ snow depth (GHCN)


GHCN
ANN prediction
Snow depth (mm)
350
300
250
200
150
100
50
0
08/13
09/13
10/13
11/13
12/13
01/14
02/14
03/14
04/14
05/14
06/14
07/14