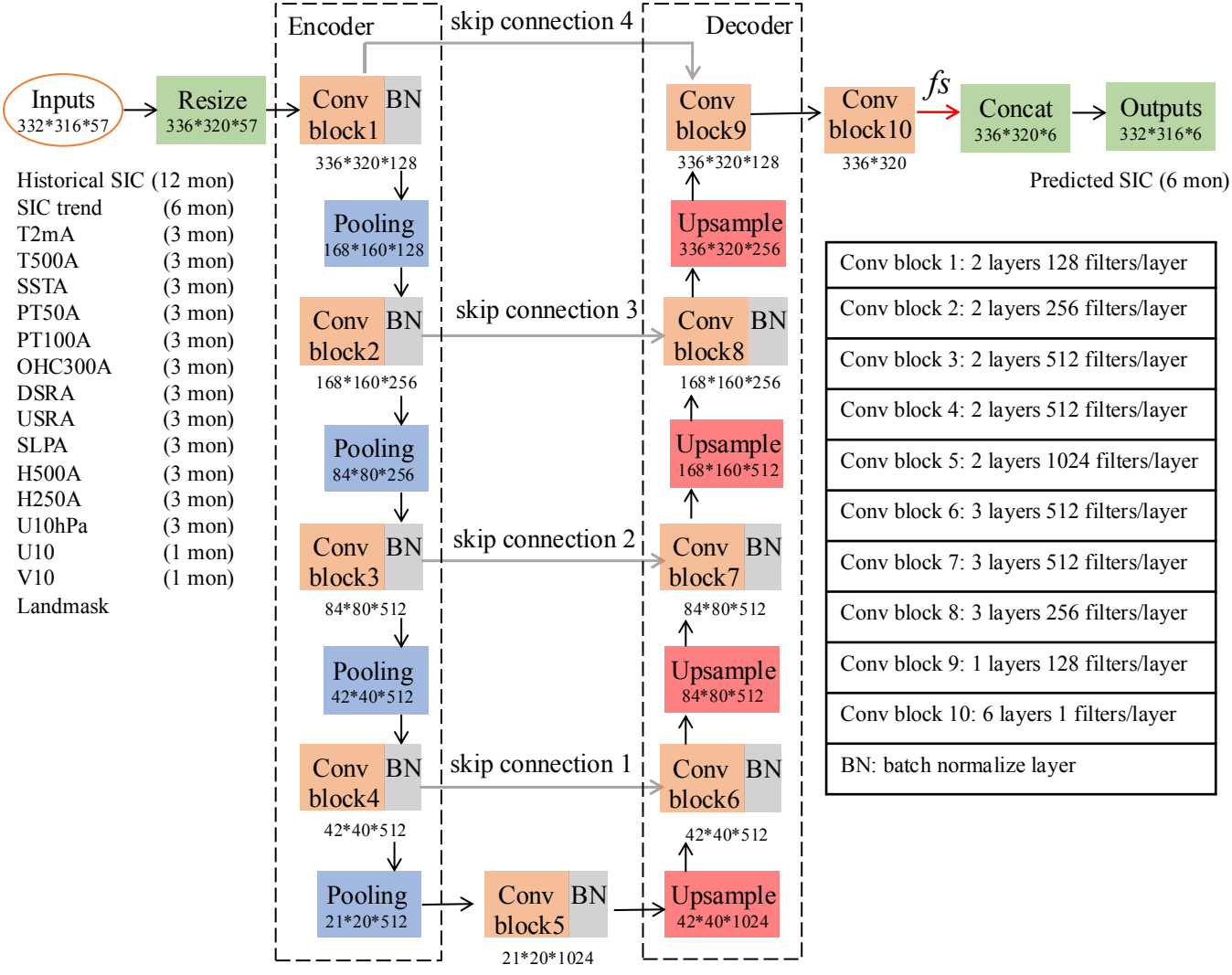
Encoder
Decoder
skip connection 4
skip connection 3
skip connection 2
skip connection 1
Inputs
332*316*57
Resize
336*320*57
Conv block1
BN
336*320*128
Pooling
168*160*128
Conv block2
BN
168*160*256
Pooling
84*80*256
Conv block3
BN
84*80*512
Pooling
42*40*512
Conv block4
BN
42*40*512
Pooling
21*20*512
Conv block5
BN
21*20*1024
Upsample
42*40*1024
Conv block6
BN
42*40*512
Upsample
84*80*512
Conv block7
BN
84*80*512
Upsample
168*160*512
Conv block8
BN
168*160*256
Upsample
336*320*256
Conv block9
336*320*128
Conv block10
336*320
fs
Concat
336*320*6
Outputs
332*316*6
Historical SIC (12 mon)
SIC trend (6 mon)
T2mA (3 mon)
T500A (3 mon)
SSTA (3 mon)
PT50A (3 mon)
PT100A (3 mon)
OHC300A (3 mon)
DSRA (3 mon)
USRA (3 mon)
SLPA (3 mon)
H500A (3 mon)
H250A (3 mon)
U10hPa (3 mon)
U10 (1 mon)
V10 (1 mon)
Landmask
Predicted SIC (6 mon)
Conv block 1: 2 layers 128 filters/layer
Conv block 2: 2 layers 256 filters/layer
Conv block 3: 2 layers 512 filters/layer
Conv block 4: 2 layers 512 filters/layer
Conv block 5: 2 layers 1024 filters/layer
Conv block 6: 3 layers 512 filters/layer
Conv block 7: 3 layers 512 filters/layer
Conv block 8: 3 layers 256 filters/layer
Conv block 9: 1 layers 128 filters/layer
Conv block 10: 6 layers 1 filters/layer
BN: batch normalize layer