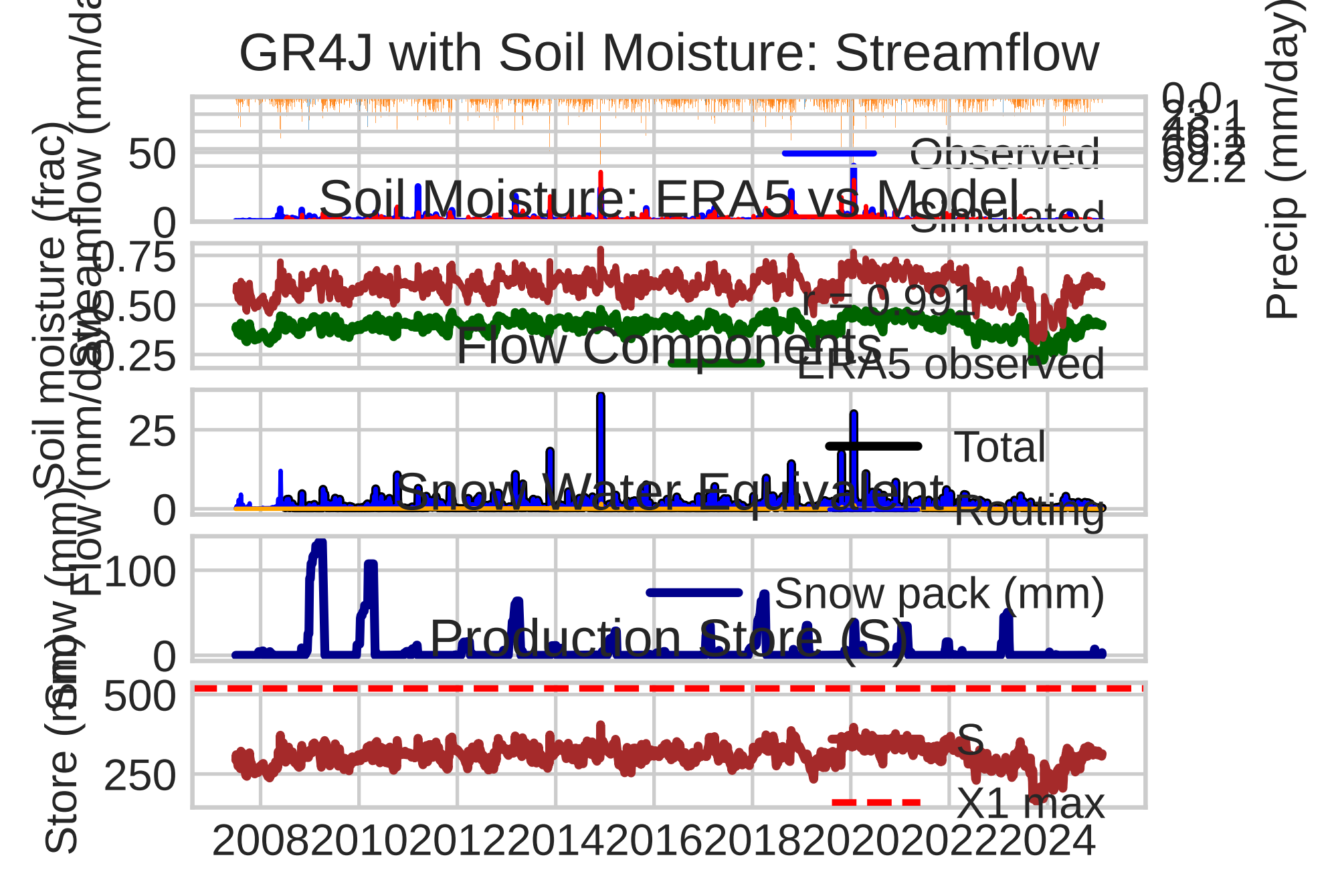
GR4J with Soil Moisture: Streamflow
Soil Moisture: ERA5 vs Model
Soil moisture (frac)
Streamflow (mm/day)
Precip (mm/day)
Observed
Simulated
r = 0.991
Flow Components
Flow (mm/day)
ERA5 observed
Total
Routing
Snow Water Equivalent
Snow (mm)
Snow pack (mm)
Production Store (S)
Store (mm)
S
X1 max
50
0
0.75
0.50
0.25
25
0
100
0
500
250
0
2
4
6
8
10
2008
2010
2012
2014
2016
2018
2020
2022
2024