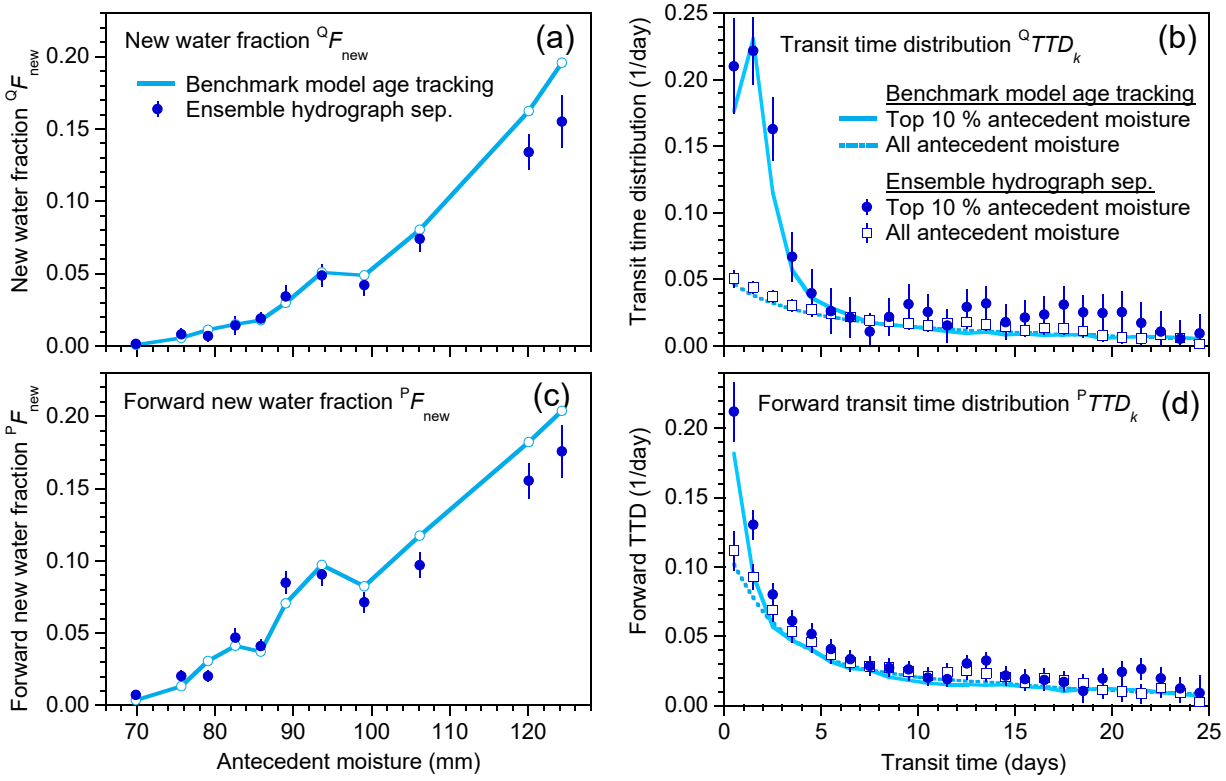
(a)
New water fraction $^{Q}F_{new}$
Benchmark model age tracking
Ensemble hydrograph sep.
New water fraction $^{Q}F_{new}$
0.00
0.05
0.10
0.15
0.20
(b)
Transit time distribution $^{Q}TTD_{k}$
Benchmark model age tracking
Top 10 % antecedent moisture
All antecedent moisture
Ensemble hydrograph sep.
Top 10 % antecedent moisture
All antecedent moisture
Transit time distribution (1/day)
0.00
0.05
0.10
0.15
0.20
0.25
(c)
Forward new water fraction $^{P}F_{new}$
Forward new water fraction $^{P}F_{new}$
0.00
0.05
0.10
0.15
0.20
70
80
90
100
110
120
Antecedent moisture (mm)
(d)
Forward transit time distribution $^{P}TTD_{k}$
Forward TTD (1/day)
0.00
0.05
0.10
0.15
0.20
0
5
10
15
20
25
Transit time (days)