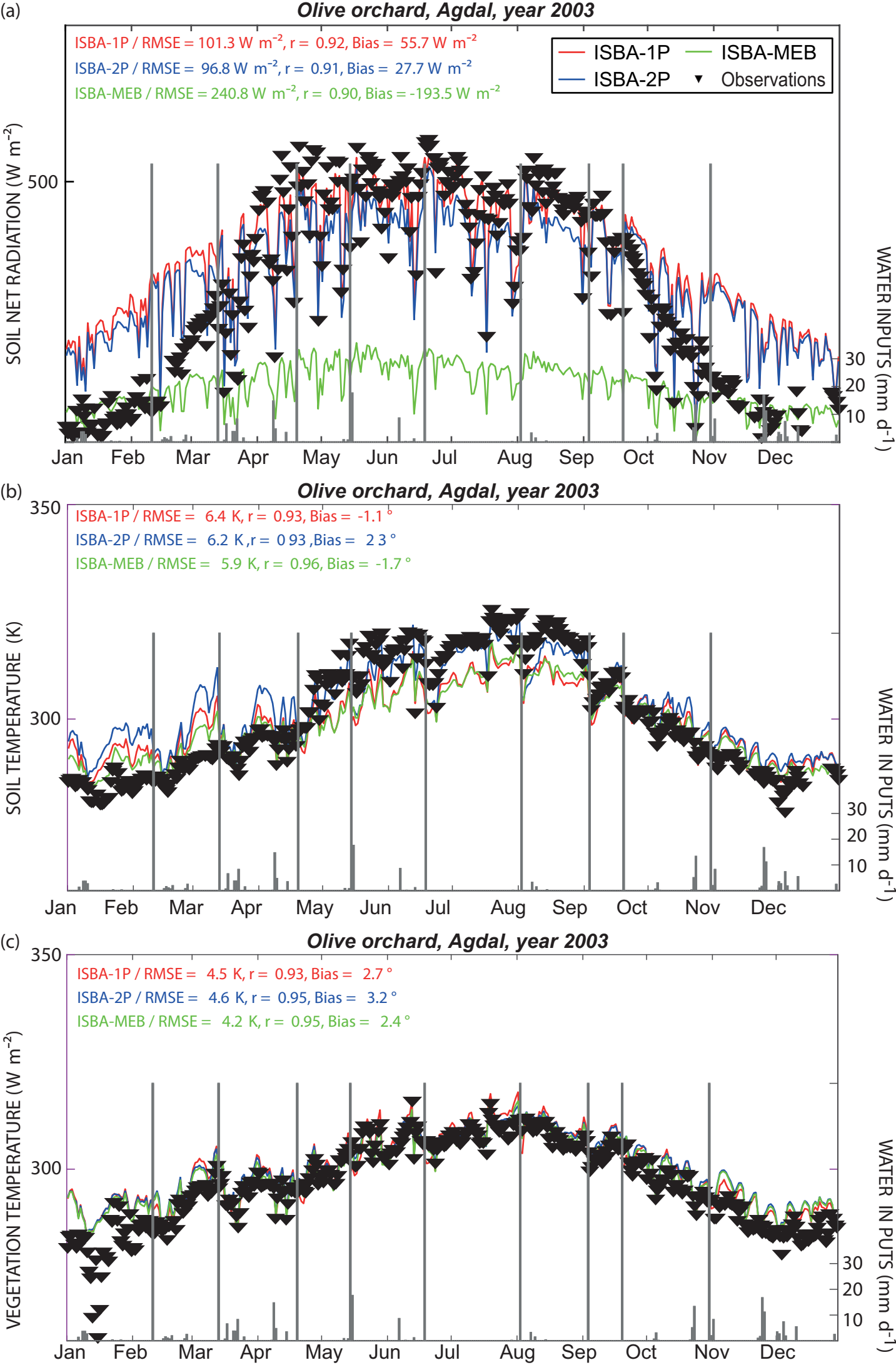
(a)
Olive orchard, Agdal, year 2003
ISBA-1P / RMSE = 101.3 W m-2, r = 0.92, Bias = 55.7 W m-2
ISBA-2P / RMSE = 96.8 W m-2, r = 0.91, Bias = 27.7 W m-2
ISBA-MEB / RMSE = 240.8 W m-2, r = 0.90, Bias = -193.5 W m-2
ISBA-1P
ISBA-2P
ISBA-MEB
Observations
SOIL NET RADIATION (W m-2)
500
WATER INPUTS (mm d-1)
30
20
10
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
(b)
Olive orchard, Agdal, year 2003
ISBA-1P / RMSE = 6.4 K, r = 0.93, Bias = -1.1 °
ISBA-2P / RMSE = 6.2 K ,r = 0 93 ,Bias = 2 3 °
ISBA-MEB / RMSE = 5.9 K, r = 0.96, Bias = -1.7 °
SOIL TEMPERATURE (K)
350
300
WATER IN PUTS (mm d-1)
30
20
10
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
(c)
Olive orchard, Agdal, year 2003
ISBA-1P / RMSE = 4.5 K, r = 0.93, Bias = 2.7 °
ISBA-2P / RMSE = 4.6 K, r = 0.95, Bias = 3.2 °
ISBA-MEB / RMSE = 4.2 K, r = 0.95, Bias = 2.4 °
VEGETATION TEMPERATURE (W m-2)
350
300
WATER IN PUTS (mm d-1)
30
20
10
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec