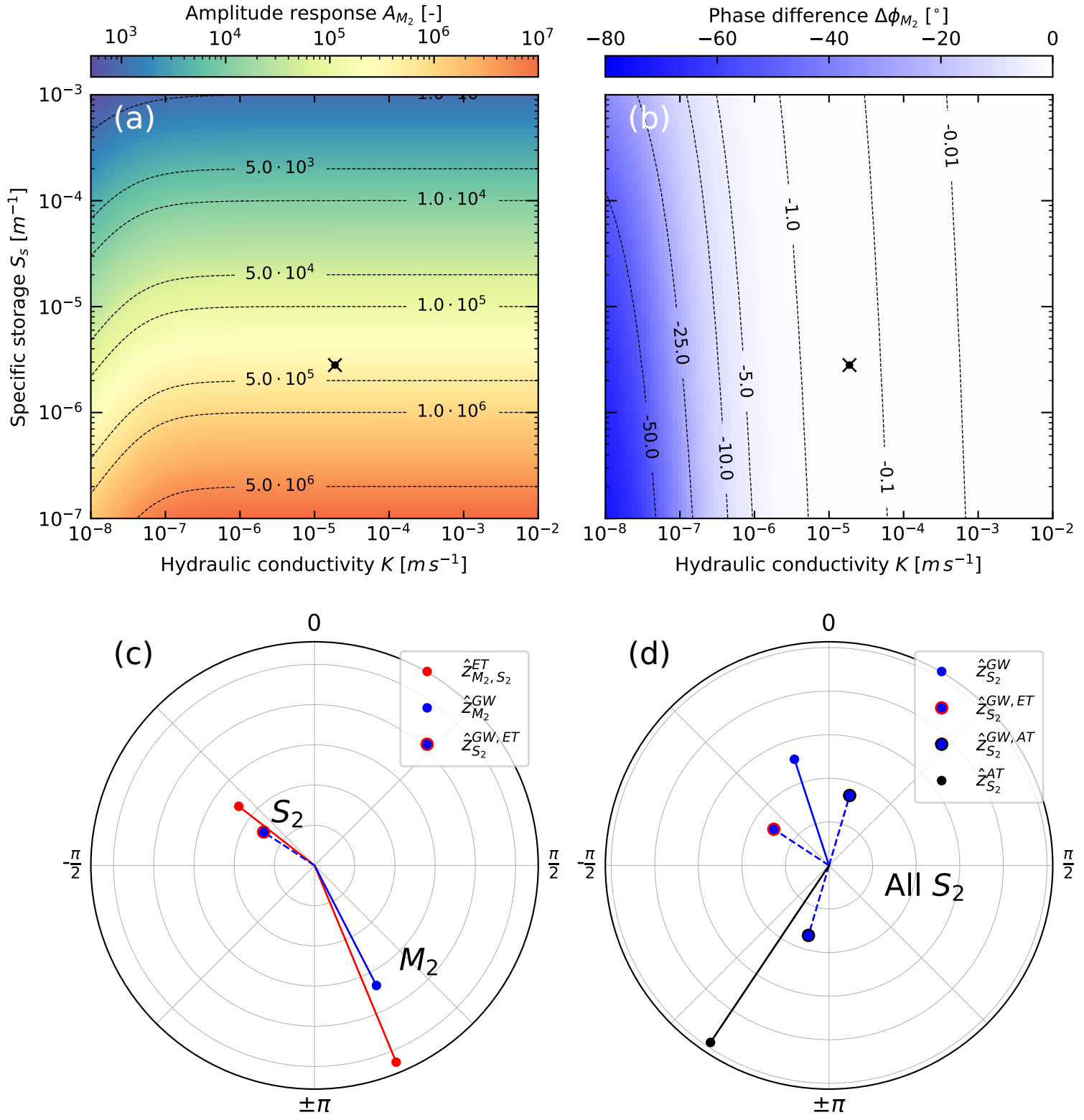
Amplitude response A_{M_2} [-]
10^3 10^4 10^5 10^6 10^7
(a)
$5.0 \cdot 10^3$
$1.0 \cdot 10^4$
$5.0 \cdot 10^4$
$1.0 \cdot 10^5$
$5.0 \cdot 10^5$
$1.0 \cdot 10^6$
$5.0 \cdot 10^6$
Specific storage S_s $[m^{-1}]$
10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7}
10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2}
Hydraulic conductivity K $[m\,s^{-1}]$
Phase difference $\Delta\phi_{M_2}$ [°]
−80 −60 −40 −20 0
(b)
-0.01
-1.0
-25.0
-5.0
-50.0
-10.0
-0.1
10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2}
Hydraulic conductivity K $[m\,s^{-1}]$
(c)
0
$\hat{Z}^{ET}_{M_2,S_2}$
$\hat{Z}^{GW}_{M_2}$
$\hat{Z}^{GW,ET}_{S_2}$
S_2
M_2
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
$\pm\pi$
(d)
0
$\hat{Z}^{GW}_{S_2}$
$\hat{Z}^{GW,ET}_{S_2}$
$\hat{Z}^{GW,AT}_{S_2}$
$\hat{Z}^{AT}_{S_2}$
All S_2
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
$\pm\pi$