

Parameter	Data source	
	Response	Projection
Enhanced vegetation index EVI	MODIS MOD13Q1	MODIS MOD13Q1
Land-surface albedo α	NRC SW BB Albedo	NRC SW BB Albedo
Downward shortwave solar radiation S_{\downarrow}	Polar 5	WRF
Potential temperature θ	Polar 5	WRF
Mixing ratio r	Polar 5	WRF
Daytime	Observation time	Projection time
Ratio of measurement height z_m to the height of the planetary boundary layer z_{ABL}	Polar 5, WRF	5 % of z_{ABL}