

Table 1. Surface variables		
Variable Name	Plain Language Name	Units
SLP	Sea level pressure	hPa
PSFC	Surface pressure	Pa
U10	U wind component at 10 m	m/s
V10	V wind component at 10 m	m/s
T2	Temperature at 2 m	K
TMAX	Maximum temperature at 2 m	K
TMIN	Minimum temperature at 2 m	K
Q2	Specific humidity	kg/kg
TSK	Skin temperature	K
SNOW	Snow water equivalent	mm
SNOWH	Snow depth	m
SNOWC	Snow cover flag (1 for snow cover)	
PW	Precipitable water	mm
PCPT	Total precipitation	mm
ACSNOW	Snowfall water equivalent	mm
LH	Latent heat flux at the surface	W/m ²
HFX	Upward heat flux at the surface	W/m ²
ALBEDO	Albedo	
LWDNB	Downwelling Longwave Flux	W/m ²
LWDNBC	Downwelling Clear Sky Longwave Flux	W/m ²
LWUPB	Upwelling Longwave Flux	W/m ²
LWUPBC	Upwelling Clear Sky Longwave Flux	W/m ²
SWDNB	Downwelling Shortwave Flux	W/m ²
SWDNBC	Downwelling Clear Sky Shortwave Flux	W/m ²
SWUPB	Upwelling Shortwave Flux	W/m ²
SWUPBC	Upwelling Clear Sky Shortwave Flux	W/m ²

Table 2. Vertical level variables.		
Levels include: 1000, 925, 850, 700, 500, 400, 300, 200, 100 hPa		
Variable Name	Plain Language Name	Units
T	Temperature	C
U	U wind component	m/s
V	V wind component	m/s
QVAPOR	Water vapor mixing ratio	kg/kg
CLDFRA	Cloud fraction	
GHT	Geopotential height	m

Table 3. Soil layers		
Layers include: 0-10, 10-40, 40-100, 100-200 cm below ground		
Variable Name	Plain Language Name	Units
SH2O	Soil liquid water	m ³ /m ³
SMOIS	Soil moisture	m ³ /m ³
TSLB	Soil temperature	K