

Final parameter list for MF production

MESCAN-SURFEX : (lfpw, oper) for type=an

UERRA GRIB2				
Parameter	Unit	paramId	shortName	Time
Accumulated total precipitation	kg m-2	228228	tp	Only available at 6h (24h accumulated from 6 to 6)
2 m relative humidity	%	260242	2r	0, 6, 12, 18
10 m wind speed	m s-1	207	10si	0, 6, 12, 18
10 m wind direction	degree true	260260	10wdir	0, 6, 12, 18
2 m temperature	K	167	2t	0, 6, 12, 18
Land cover (1=land,0=sea)	(0-1)	172	lsm	constant
Orography (surface geopot height)	m	228002	orog	constant

MESCAN-SURFEX : (lfpw, oper) for type=fc

UERRA GRIB2				
Parameter	Unit	paramId	shortName	Time
Surface pressure	Pa	134	Sp	av. at 6h step
Accumulated total precipitation	kg m-2	228228	tp	av. at 6h step
2 m relative humidity	%	260242	2r	av. at 6h step
2 m temperature	K	167	2t	av. at 6h step
10 m wind speed	m s-1	207	10si	av. at 6h step
10 m wind direction	degree true	260260	10wdir	av. at 6h step
Surface runoff	kg m-2	174008	sro	av. at 1h step
Albedo	%	260509	al	av. at 1h step
Net long-wave radiation flux at the surface	J m-2	177	str	av. at 1h step
Net short-wave radiation flux at the surface	J m-2	176	ssr	av. at 1h step
Direct short-wave radiation flux at the surface	J m-2	260264	tidirswrf	av. only at 6h step
Surface latent heat flux	J m-2	147	slhf	av. at 1h step
Surface sensible heat flux	J m-2	146	sshf	av. at 1h step
Skin temperature	K	235	skt	av. at 1h step
Water equ. of acc. snow depth	kg m-2	228141	sd	av. at 1h step
Acc. total snowfall	kg m-2	228144	sf	av. at 1h step
Snow density	kg m-3	33	rsn	av. at 1h step
Snow depth	m	3066	sde	av. at 1h step
Soil temperature on 14 levels	K	260360	sot	av. at 1h step
Volumetric soil water on 14 levels	m3 m-3	260199	vsw	av. at 1h step
Soil heat flux	J m-2	260364	sohf	av. at 1h step
surface roughness	m	173	sr	av. at 1h step

Volumetric wilting point	m3 m-3	260200	wiltm	constant
Volumetric field capacity	m3 m-3	260211	voltso	constant