

Parameters

Specification of the input data:

- Data format: WMO-GRIB2
- Time step frequency: 3h (cumulated parameters will be not archived at step 0)
- Grid: original model grid
- Parameters: parameters listed below (most of them are so called High Priority according to the TIGGE-LAM project plan)
- Model runs: up-to 4 of all available with preference for the ones from the main forecast times (00, 06, 12, 18UTC)
- Forecast types: perturbed, control (if available)
- Static fields (orography, land-sea mask) are archived only for step 0 and control forecast (if exists) or the first perturbed forecast

High Priority parameters:

parameter	Abbr.	Level	Units	GRIB2 paramId	type ⁽³⁾	remark
Perturbed fields provided at 3-h interval (including step 0)						
10m U-velocity	10u	10m	m s ⁻¹	165	HP	
10m V-velocity	10v	10m	m s ⁻¹	166	HP	
Convective available potential energy	cape	surface	J kg ⁻¹	59		
Convective inhibition	cin	surface	J kg ⁻¹	228001		values must be <=0 (non-positive)
Mean sea level pressure	mslp	MSL	Pa	151	HP	
Surface air temperature	2t	1.25-2m	K	167	HP	
Surface air dew point temperature	2d	1.25-2m	K	168	HP	
Perturbed fields provided at 3-h interval (excluding step 0)						
Total precipitation (liquid + frozen) ⁽⁴⁾	tp	surface	kg m ⁻²	228228	HP	
Large scale precipitation ^{(1) (4)}	lsp	surface	kg m ⁻²	3062	HP	
10 metre wind gust in the last 3 hours ⁽¹⁾	10fg3	10m	m s ⁻¹	228028	HP	
Fields provided at step 0 (static or perturbed) ⁽²⁾						
Orography (Geopotential height at the surface)	orog	surface	gpm	228002	HP	
Land-sea mask	lsm	surface	proportion (0-1 values)	172	HP	

⁽¹⁾ Newly introduced parameters which are not stored in TIGGE (global) archive.

⁽²⁾ If control forecast exists the field should be provided with it otherwise with the 1st ensemble member, always only at step 0. If the fields are perturbed there should be provided with every ensemble member, and control forecast if exists, at step 0.

⁽³⁾ HP = High Priority parameter according to TIGGE-LAM expert team plans

⁽⁴⁾ accumulated from the beginning of the forecast