

	ERA-20C	ERA-40	ERA-Interim
Time period	1900–2010	1957–2002	1979–present
IFS version	Cy38r1	Cy23r4	Cy31r2
Data assimilation system	24 h 4D-Var; VarBC	6 h 3D-Var	12 h 4D-Var; VarBC
Spectral resolution	T159 ( $\sim 125$ km)	T159 ( $\sim 125$ km)	T255 ( $\sim 80$ km)
Number of vertical levels	91	60	60
Vertical scale (from the surface up to)	0.01 hPa ( $\sim 80$ km)	0.1 hPa ( $\sim 64$ km)	0.1 hPa ( $\sim 64$ km)
Pressure levels	37	23	37
Reference	Poli et al. (2016)	Uppala et al. (2005)	Dee et al. (2011)