

Tendencies and fluxes for Budgets (Archive)

To activate in IFS under switch LBUD23

Field (3D on model levels)	Unit (fluxes and tendencies are accumulated)	Grib Code Currently in this order from 91 to 114 (Table 128)
dU/dt dynamics	$m/s^2 *s$	91
dV/dt "	$m/s^2 *s$	92
dT/dt "	$K/s *s$	93
dq/dt "	$kg/kg/s *s$	94
dT/dt radiation	$K/s *s$	95
dU/dt vertical diff.+grav.wave	$m/s^2 *s$	96
dV/dt "	$m/s^2 *s$	97
dT/dt "	$K/s *s$	98
dq/dt "	$kg/kg/s *s$	99
dU/dt gravity wave drag	$m/s^2 *s$	100
dV/dt "	$m/s^2 *s$	101
dT/dt " (=dissip wave break)	$K/s *s$	102
dU/dt convection	$m/s^2 *s$	103
dV/dt "	$m/s^2 *s$	104
dT/dt "	$K/s *s$	105
dq/dt "	$kg/kg/s *s$	106
Prflux conv liquid	$kg/(m^2 s) *s$	107
Prflux conv ice	$kg/(m^2 s) *s$	108
dT/dt cloud	$K/s *s$	109
dq/dt "	$kg/kg/s *s$	110
dql/dt cloud	$kg/kg/s *s$	111
dqi/dt "	$kg/kg/s *s$	112
Prflux strat liquid	$kg/(m^2 s) *s$	113
Prflux strat ice	$kg/(m^2 s) *s$	114
dT/dt radiation SW	$K/s *s$	116

2D fields contained in a single 3D model level field	Unit	Grib Code 115
Convective cloud top	Model level number	Model level 1
Convective cloud base	Model level number	level 2
Convection type	(1=deep, 2=shallow, 3=mid-level)	level 3
Occurrence of deep convection	Counts (maximum count= number of time steps)	level 4
Occurrence shallow convection	counts	level 5
Occurrence mid-level convection	counts	level 6
PBL top height	m	level 7
PBL type	(0, 1, 2, 3)	level 8
Occurrence PBL type 0	counts	level 9
Occurrence PBL type 1	counts	level 10
Occurrence PBL type 2	counts	level 11
Occurrence PBL type 3	counts	level 12