Vertical velocity profiles		
Mean		
rR	density (RA)	$\bar{\rho}$
rU	u, x-component of the velocity (RA)	$\bar{u}$
rV	v, y-component of the velocity (RA)	$\bar{v}$
rW	w, z-component of the velocity (RA)	$\bar{w}$
rP	π dynamic, reduced pressure (RA)	$\bar{\pi}$
rT	T, caloric Temperature (RA)	$\bar{T}$
re	e, internal energy (RA)	$\bar{e}$
rh	h, buoyancy (RA)	$\bar{e} + (\Gamma_0 - 1)Ma^2\frac{\bar{p}}{\rho}$
rs	s, entropy (RA)	$\bar{s}$
rB	B, buoyancy (RA)	$\overline{B}$
fU	u, x-component of the velocity (FA)	$\langle u \rangle$
fV	v, y-component of the velocity (FA)	$\langle v \rangle$
fW	w, z-component of the velocity (FA)	$\langle w \rangle$
fT	T, caloric Temperature (FA)	$\langle T \rangle$
fe	e, internal energy (FA)	$\langle e \rangle$
fh	h, enthalpy (FA)	$\left\langle e + (\Gamma_0 - 1)Ma^2\frac{p}{\rho} \right\rangle$
fs	s, entropy (FA)	$\langle s \rangle$
Fluctuations		
Tke	Turbulence kinetic energy	$\frac{1}{2}\overline{u_i'u_i'}$
Rxx	Reynolds stress R_{11}	$\overline{u'u'}$
Ryy	Reynolds stress R_{22}	$\overline{v'v'}$
Rzz	Reynolds stress R_{33}	$\overline{w'w'}$
Rxy	Reynolds stress R_{12}	$\overline{u'v'}$
Rxz	Reynolds stress R_{13}	$\overline{u'w'}$
Ryz	Reynolds stress R_{23}	$\overline{v'w'}$
rP2	Pressure fluctuation (RA)	$\overline{\pi'\pi'}$
rR2	Density fluctuation (RA)	$\overline{\rho'\rho'}$
fT2	Temperature fluctuation (RA)	$\overline{T'T'}$
fT2	Temperature fluctuation (FA)	$\langle T'T' \rangle$
re2	internal energy fluctuation (RA)	$\overline{e'e'}$
fe2	internal energy fluctuation (FA)	$\langle e'e' \rangle$
rh2	enthalpy fluctuation (RA)	$\overline{h'h'}$
fh2	enthalpy fluctuation (FA)	$\langle h'h' \rangle$
rs2	Entropy fluctuation (RA)	$\overline{s's'}$
fs2	Entropy fluctuation (FA)	$\langle s's' \rangle$
DerivativeFluctuations		
U.y1		$\overline{\partial_y u}$
V.y1		$\overline{\partial_y v}$
W.y1		$\overline{\partial_y w}$
U.ii2		
U.x2		$\overline{(\partial_x u')^2}$
U.y2		$\overline{(\partial_y u')^2}$
U.z2		$\overline{(\partial_z u')^2}$
V.x2		$\overline{(\partial_x v')^2}$
V.y2		$\overline{(\partial_y v')^2}$
V.z2		$\overline{(\partial_z v')^2}$
W.x2		$\overline{(\partial_x w')^2}$
W.y2		$\overline{(\partial_y w')^2}$
W.z2		$\overline{(\partial_z w')^2}$
U.x3		$\overline{(\partial_x u')^3}$
U.y3		$\overline{(\partial_y u')^3}$
U.z3		$\overline{(\partial_z u')^3}$
V.x3		$\overline{(\partial_x v')^3}$
V.y3		$\overline{(\partial_y v')^3}$
V.z3		$\overline{(\partial_z v')^3}$
W.x3		$\overline{(\partial_x w')^3}$
W.y3		$\overline{(\partial_y w')^3}$
W.z3		$\overline{(\partial_z w')^3}$
U.x4		$\overline{(\partial_x u')^4}$
U.y4		$\overline{(\partial_y u')^4}$
U.z4		$\overline{(\partial_z u')^4}$
V.x4		$\overline{(\partial_x v')^4}$
V.y4		$\overline{(\partial_y v')^4}$
V.z4		$\overline{(\partial_z v')^4}$
W.x4		$\overline{(\partial_x w')^4}$
W.y4		$\overline{(\partial_y w')^4}$
W.z4		$\overline{(\partial_z w')^4}$
Vorticity		
Wx	Vorticity (x-component)	$\overline{\partial_z v - \partial_y w}$
Wy	Vorticity (y-component)	$\overline{\partial_x w - \partial_z u}$
Wz	Vorticity (z-component)	$\overline{\partial_y u - \partial_x v}$
Wx2	Fluctuation of x-Vorticity	$\overline{\partial_z v' - \partial_y w'}$
Wy2	Fluctuation of y-Vorticity	$\overline{\partial_x w' - \partial_z u'}$
Wz2	Fluctuation of z-Vorticity	$\overline{\partial_y u' - \partial_x v'}$
RxxBudget		
Rxx.t	Time-rate of change of R_{11}	$\partial_t R_{11}$
Bxx	buoyancy production	$2b_x \overline{u'B'}$
Cxx	advection in y-direction	$-\bar{v} \ \partial_y \overline{u'u'}$
Pxx	shear-production	$-2 \ \overline{u'v'} \ \partial_y \bar{u}$
Exx	viscous dissipation	
PIxx	pressure-velocity correlation Π_{11}	$2 \ \overline{v'p'}$
Fxx	Coriolis production	$2f_y \overline{u'w'}$
Txxy.y	divergence of T_{112} turbulent transport	$\partial_y R_{112}$
Txxy	vertical transport T_{112}	$\overline{u'u'v'} - 2\bar{\nu}\partial_y(u - \langle u \rangle)$
Gxx	pressure variable-density term	0
Dxx	viscous variable-density term	
RyyBudget		
Ryy.t	Time-rate of change of R_{22}	$\partial_t R_{22}$
Byy	buoyancy production of Ryy	$2b_y \overline{v'B'}$
Cyy	advection in y-direction	$\bar{v} \ \partial_y \overline{v'v'}$
Pyy	shear production	$-2\overline{v'v'}\partial_y \bar{v}$
Eyy	viscous dissipation	
PIyy	pressure-velocity correlation Π_{22}	$2\overline{v'p'}$
Fyy	Coriolis production	0
Tyyy.y	divergence of T_{222} turbulent transport	$\partial_y R_{222}$
Tyyy	vertical transport T_{222}	$\overline{v'v'v'} + 2\overline{v'p'} - 2\bar{\nu}\langle\partial_y v\rangle(v - \langle v \rangle)$
Gyy	pressure variable-density term	$2(\bar{v} - \langle v \rangle)\partial_y \bar{p}$
Dyy	viscous variable-density term	
RzzBudget		
Rzz.t	Time-rate of change of R_{33}	$\partial_t R_{33}$
Bzz	buoyancy production	$2b_z \overline{w'B'}$
Czz	advection in y-direction	$-\bar{v} \ \partial_y \ \overline{w'w'}$
Pzz	shear production	$-2\overline{v'w'}\partial_y \ \bar{w}$
Ezz	viscous dissipation	
PIzz	pressure-velocity correlation Π_{33}	$2\overline{w'p'}$
Fzz	Coriolis production	$-2f_y \overline{u'w'}$
Tzzy.y	divergence of T_{332} turbulent transport	$\partial_y R_{332}$
Tzzy	vertical transport T_{332}	$\overline{w'w'v'} - 2\bar{\nu}\langle\partial_y w\rangle(w - \langle w \rangle)$
Gzz	pressure variable-density term	0
Dzz	viscous variable-density term	
RxyBudget		
Rxy.t	Time-rate of change of R_{12}	$\partial_t R_{12}$
Bxy	buoyancy production	$b_x \overline{v'B'} + b_y \overline{v'B'}$
Cxy	advection in y-direction	$-\bar{v}\partial_y\overline{u'v'}$
Pxy	shear production	$-\overline{u'u'}\partial_y\bar{v} - \overline{v'v'} \ \partial_y \bar{u}$
Fxy	viscous dissipation	
PIxy	pressure-velocity correlation Π_{12}	$\overline{p' \ (\partial_y u - \partial_x v)}$
Fxy	Coriolis production of Rxy	$f_y \overline{v'w'}$
Txyy.y	divergence of T_{122} turbulent transport	$\partial_y R_{122}$
Txyy	vertical transport T_{122}	$\overline{u'v'v'} + \overline{u'p'}$
Gxy	pressure variable-density term	$(\bar{u} - \langle u \rangle)\partial_y \bar{p}$
Dxy	viscous variable-density term	
RxzBudget		
Rxz.t	Time-rate of change of R_{13}	$\partial_t R_{13}$
Bxz	buoyancy production	$b_x \overline{w'B'} + b_z \overline{u'B'}$
Cxz	advection in y-direction	$-\bar{v} \ \partial_y \overline{u'w'}$
Pxz	shear production	$-\overline{w'w'} \ \partial_y \ \bar{w} - \overline{v'w'} \ \partial_y \bar{u}$
Exz	viscous dissipation	
PIxz	pressure-velocity correlation Π_{13}	$\overline{p' \ (\partial_z u - \partial_x w)}$
Fxz	Coriolis production	$f_y(\overline{w'w'} - \overline{u'u'})$
Txzy.y	divergence of T_{132} turbulent transport	$\partial_y R_{132}$
Txzy	vertical transport T_{132}	$\overline{u'w'v'}$
Gxz	pressure variable-density term	0
Dxz	viscous variable-density term	
RyzBudget		
Ryz.t	Time-rate of change of R_{23}	$\partial_t R_{23}$
Byz	buoyancy production	$b_y \overline{w'B'} + b_z \overline{w'B'}$
Cyz	advection in y-direction	$-\bar{v}\partial_y\overline{v'w'}$
Pyz	shear production	$-\overline{v'v'} \ \partial_y \ \bar{w} - \overline{v'w'} \ \partial_y \bar{v}$
Eyz	viscous dissipation	
PIyz	pressure-velocity correlation Π_{23}	$\overline{p' \ (\partial_z v - \partial_y w)}$
Fyz	Coriolis production	$-f_y \overline{u'v'}$
Tyzy.y	turbulent transport divergence	$\partial_y R_{232}$
Tyzy	vertical transport T_{232}	$\overline{v'w'v'} + \overline{w'p'}$
Gyz	pressure variable-density term	$(\bar{w} - \langle w \rangle)\partial_y \bar{p}$
Dyz	viscous variable-density term	
TkeBudget		
Tke.t	Time-rate of change of Tke	$\partial_t \frac{1}{2} R_{ii}$
Tke	Turbulence kinetic energy	$\frac{1}{2} R_{ii}$
Buo	buoyancy production of Tke	$\frac{1}{2} B_{ii}$
Con	advection in y-direction	$\frac{1}{2} P_{ii}$
Prd	shear production	$\frac{1}{2} P_{ii}$
Eps	dissipation	$\frac{1}{2} E_{ii}$
Pi	pressure-velocity correlation	$\frac{1}{2} \Pi_{ii}$
Trp	sum of transport terms	$\frac{1}{2} T_{ii2}$
Trp1	transport by triple correlation terms	$\overline{u_i'u_i'v'}$
Trp2	transport by pressure-velocity correlation	$2\overline{v'p'}$
Trp3	viscous transport	$-2\nu\langle\partial_y u_i\rangle(u_i - \langle u_i\rangle)$
Trp1.y	divergence of triple correlations	$\partial_y\overline{u_i'u_i'v'}$
Trp2.y	divergence of pressure-velocity correlation	$2\partial_y\overline{v'p'}$
Trp3.y	divergence of viscous transport	$-2\nu\partial_y\langle\partial_y u_i\rangle(u_i - \langle u_i\rangle)$
G	pressure variable-density term	$\frac{1}{2} G_{ii}$
D	viscous variable-density term	$\frac{1}{2} D_{ii}$
Phi	Mean viscous dissipation rate	
UgradP		$\overline{u_i\partial_{x_i}p}$
HigherOrder		
rU3		
rU4		
rV3		
rV4		
rW3		
rW4		
Acoustics		
gamma		
C2		
Rho.ac		
Rho.en		
T.ac		
T.en		
M.t		
rRP		
rRT		
RhoBudget		
RhoFluxX		
RhoFluxY		
RhoFluxZ		
RhoDil1		
RhoDil2		
RhoTrp		
RhoProd		
RhoConv		$-\bar{v}\partial_y\overline{\rho'\rho'}$
Stratification		
Pot	potential energy	
rRref	background density profile	
rTref	background temperature profile	
BuoyFreq.fr	buoyancy frequency	
BuoyFreq.eq	buoyancy frequency	
LapseRate.fr	lapse rate	
LapseRate.eq	lapse rate	
PotTemp		
PotTemp.v		
SaturationPressure		
rPref	background pressure profile	
RelativeHumidity		
Dewpoint	dewpoint temperature	
LapseRate.dew		
Roughness		
eps.0	Fluid fraction (grid-based approach)	
eps.1	Solid fraction (grid-based approach)	
eps.f	Fluid fraction (volume-based approach)	
eps.s	Solid fraction (volume-based approach)	