Diagnostic Codes in PlaSim most17

Entropy Most17

Code

320	Entropy
321	atm. prod. by adiab. tendencies (stta)
322	atm. prod. by diab. tendencies (spectral, sttd)
323	atm. prod. by diab. tendencies (gridpoint, gttd)
324	atm. prod. by horizontal diff (hdiff)
325	atm. prod. by miscmod (misc)
326	atm. prod. by sensible heat flux (shfl)
327	atm. prod. by vertical diff (vdiff)
328	atm. prod. by long wave radiation (lwr)
329	atm. prod. by short wave radiation (swr)
330	atm. prod. by large scale precip. (prl)
331	atm. prod. by convective precip. (prc)
332	atm. prod. by dry convection (dca)
333	srf. prod. by sensible heat flux (shfl/ts)
334	srf. prod. by latent heat flux (lhfl/ts)
335	srf. prod. by long wave radiation (lwrs/ts)
336	srf. prod. by short wave radiation (swrs/ts)
337	srf. prod. by temperature change (total; dts/dt)
338	srf. prod. by vertical diffusion (dtsoil/dt|vdiff)
339	atm. prod. by rain<->snow conversion
340	atm. prod. by downward longwave radiation
341	atm. prod. by upward longwave radiation
342	atm. prod. by upward longwave radiation without surface
343	atm. prod. by upward longwave radiation from surface only
344	srf. prod. by upward longwave radiation to space
345	srf. prod. by upward longwave radiation to atm.
346	srf. prod. by downward longwave radiation from atm
347	srf. prod. by upward longwave radiation
348	atm. prod. by upward longwave radiation to space
349	atm. prod. by downward longwave radiation to surface
350	atm. prod. by friction
351	atm. prod. by v-diff of momentum
352	atm. prod. by gravity wave drag friction

Energy MOST17

No	Code	
1	360	T-Energy
2	361	atm. prod. by adiabatic tendencies (t-change only)
3	362	atm. prod. by diab. tendencies (spectral, sttd)
4	363	atm. prod. by diab. tendencies (gridpoint, gttd)
5	364	atm. prod. by diab. tend. of spectrald (hdiff(t,d,v), gwd, sponge)
6	365	atm. prod. by miscmod (misc)
7	366	atm. prod. by sensible heat flux (shfl)
8	367	atm. prod. by vertical diff of T (vdiff)
9	368	atm. prod. by long wave radiation (lwr)
10	369	atm. prod. by short wave radiation (swr)
11	370	atm. prod. by large scale precip. (prl)
12	371	atm. prod. by convective precip. (prc)
13	372	atm. prod. by dry convection (dca)
14	373	atm. prod. by rain<->snow conversion & evap of rain/snow
15	374	Ldq/dt from prl
16	375	Ldq/dt from prc
17	376	atm. prod. by downward longwave radiation
18	377	atm. prod. by upward longwave radiation
19	378	atm. prod. by upward longwave radiation without surface
20	379	atm. prod. by upward longwave radiation from surface only
21	380	atm. prod. by friction
22	381	atm. prod. by vertical diff. of momentum
23	382	atm. prod. by gravity wave drag (Rayleigh friction)
24	383	atm. prod. by hor. diffusion of temperature
25	384	atm. prod. by hor. diffusion of divergence and vorticity
26	385	atm. prod. by adiabatic tendencies (with change of p and q)
27	386	atm. kinetic energy change by adiabatic processes
28	387	vertically averaged atm. T