HAPPI requested diagnostics

Label	Standard_name	Levels	Notes	Impact models
Day/atmos (2D)				
clt	“cloud_area_fraction”	Summed vertically		
hfls	“surface_upward_latent_heat_flux”	Surface		
hfss	“surface_upward_sensible_heat_flux”	Surface		
hurs	“relative_humidity”	2 m		Hea
huss	“specific_humidity”	2 m		Hea
pr	“precipitation_flux	Surface		Flo
ps	“surface_air_pressure”	Surface		Dyn
psl	“air_pressure_at_sea_level”	Sea level		Dyn
rsds	“surface_downwelling_shortwave_flux_in_air”	Surface		
rsus	“surface_upwelling_shortwave_flux_in_air”	Surface		
tas	“air_temperature”	2 m		Hea, flo
tasmax	“air_temperature”	2 m	Maximum	Hea
tasmin	“air_temperature”	2 m	Minimum	Hea
ts	“surface_temperature”	Surface		Hea
uas	“eastward_wind”	10 m		Sto
vas	“northward_wind”	10 m		Sto
wind	“wind_speed”	100 m		
zg	“geopotential_height”	500 hPa		Dyn
prsn	“surface_solid_precipitation”	Surface		Flo
rlds	“surface_downwelling_longwave_radiation”	Surface		
prw	"atmosphere_water_vapor_content"	Summed vertically		

Day/atmos (3D)				
ua	“eastward wind”	850, 250, 10 hPa		Hur
va	“northward wind”	850, 250, 10 hPa		Hur
Month/atmos (2D)				
clt	“cloud_area_fraction”	Summed vertically		
hfls	“surface_upward_latent_heat_flux”	Surface		Eb
hfss	“surface_upward_sensible_heat_flux”	Surface		Eb
hurs	“relative_humidity”	2 m		
huss	“specific_humidity”	2 m		
pr	“precipitation_flux”	Surface		
ps	“surface_air_pressure”	Surface		
psl	“air_pressure_at_sea_level”	Sea Level		Dyn
rlds	“surface_downwelling_longwave_flux_in_air”	Surface		Eb
rlus	“surface_upwelling_longwave_flux_in_air”	Surface		Eb
rsds	“surface_downwelling_shortwave_flux_in_air”	Surface		Eb
rsus	“surface_upwelling_shortwave_flux_in_air”	Surface		Eb
tas	“air_temperature”	2 m		
tasmax	“air_temperature”	2 m	Maximum	
tasmin	“air_temperature”	2 m	Minimum	
ts	“surface_temperature”	Surface		Hur
rlut	“toa_outgoing_longwave_flux”	TOA		Eb
rsut	“toa_outgoing_shortwave_flux”	TOA		Eb
rsdt	“toa_incoming_shortwave_flux”	TOA	Constant?	Eb

rldt	“toa_incoming_longwave_flux”	TOA	Constant?	Eb
tauu	“surface_downward_eastward_stress”	Surface		
tauv	“surface_downward_northward_stress”	Surface		
mrsos	“moisture_content_of_soil_layer”	Summed top 10 cm		
dis	"discharge"	Surface		
Month/atmos (3D)				
hur	“relative_humidity”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa		
hus	“specific_humidity”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa		Hur
ta	“air_temperature”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa		Hur
ua	“eastward_wind”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa		
va	“northward_wind”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa		
wap	“lagrangian_tendency_of_air_pressure”	1000, 925, 850, 700,		

		600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa
zg	“geopotential_height”	1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, 10 hPa

The final columns indicates what sort of impact models use this diagnostic. Abbreviations are as follows: hea = health, hur = hurricane models, flo = hydrological models, eb = energy budget, dyn = dynamics (more impact models to follow from ISI-MIP).