

This is a list of output variables from the simple diagTable for your reference:

grid_lon:	long_name = "longitude" ;	units = "degrees_E" ;
grid_lat:	long_name = "latitude" ;	units = "degrees_N" ;
grid_lont:	long_name = "longitude" ;	units = "degrees_E" ;
grid_latt:	long_name = "latitude" ;	units = "degrees_N" ;
area:	long_name = "cell area" ;	units = "m**2" ;
bk:	long_name = "vertical coordinate sigma value" ;	units = "none" ;
pk:	long_name = "pressure part of the hybrid coordinate" ;	units = "pascal" ;
land_mask:	long_name = "fractional amount of land" ;	units = "none" ;
zsurf:	long_name = "surface height" ;	units = "m" ;
precip:	long_name = "Total precipitation rate" ;	units = "kg/m2/s" ;
prec_ls:	long_name = "Precipitation rate from strat cloud" ;	units = "kg/m2/s" ;
land_mask:	long_name = "fractional amount of land" ;	units = "none" ;
zsurf:	long_name = "surface height" ;	units = "m" ;
olr:	long_name = "outgoing longwave radiation" ;	units = "watts/m2" ;
t_ref_min:	long_name = "temperature at 2 m" ;	units = "deg_k" ;
t_ref_max:	long_name = "temperature at 2 m" ;	units = "deg_k" ;
bk:	long_name = "vertical coordinate sigma value" ;	units = "none" ;
pk:	long_name = "pressure part of the hybrid coordinate" ;	units = "pascal" ;
land_mask:	long_name = "fractional amount of land" ;	units = "none" ;
zsurf:	long_name = "surface height" ;	units = "m" ;
ps:	long_name = "surface pressure" ;	units = "Pa" ;
temp:	long_name = "temperature" ;	units = "K" ;
ucomp:	long_name = "zonal wind" ;	units = "m/sec" ;

vcomp:	long_name = "meridional wind" ;	units = "m/sec" ;
sphum:	long_name = "specific humidity" ;	units = "kg/kg" ;
cld_amt:	long_name = "cloud fraction" ;	units = "none" ;
liq_wat:	long_name = "cloud liquid specific humidity" ;	units = "kg/kg" ;
ice_wat:	long_name = "cloud ice water specific humidity" ;	units = "kg/kg" ;
liq_drp:	long_name = "cloud droplet" ;	units = "none" ;
omega:	long_name = "omega" ;	units = "Pa/s" ;
slp_dyn:	long_name = "sea-level pressure" ;	units = "mb" ;
precip:	long_name = "Total precipitation rate" ;	units = "kg/m2/s" ;
prec_conv:	long_name = "Precipitation rate from convection" ;	units = "kg(h2o)/m2/s" ;
prec_ls:	long_name = "Precipitation rate from strat cloud" ;	units = "kg/m2/s" ;
snow_tot:	long_name = "Frozen precip rate from all sources" ;	units = "kg(h2o)/m2/s" ;
snow_conv:	long_name = "Frozen precip rate from convection" ;	units = "kg(h2o)/m2/s" ;
snow_ls:	long_name = "Frozen precip rate from strat cloud" ;	units = "kg/m2/s" ;
rh:	long_name = "relative humidity" ;	units = "percent" ;
WVP:	long_name = "Column integrated water vapor" ;	units = "kg/m2" ;
LWP:	long_name = "Liquid water path" ;	units = "kg/m2" ;
IWP:	long_name = "Ice water path" ;	units = "kg/m2" ;
WP_all_clouds:	long_name = "Total water path -- all clouds" ;	units = "kg/m2" ;
IWP_all_clouds:	long_name = "Ice water path -- all clouds" ;	units = "kg/m2" ;
prc_deep_donner:	long_name = " total precip rate - deep portion" ;	units = "kg/m2/s" ;
prc_mca_donner:	long_name = " total precip rate - mca portion" ;	units = "kg/m2/s" ;
uw_precip:	long_name = "Precipitation rate from uw shallow" ;	units = "kg/m2/s" ;
ice_mask:	long_name = "fractional amount of sea ice" ;	units = "none" ;
t_surf:	long_name = "surface temperature" ;	units = "deg_k" ;
t_ref:	long_name = "temperature at 2 m" ;	units = "deg_k" ;
q_ref:	long_name = "specific humidity at 2 m" ;	units = "kg/kg" ;

u\_ref: long\_name = "zonal wind component at 10 m"; units = "m/s";  
v\_ref: long\_name = "meridional wind component at 10 m"; units = "m/s";  
wind\_ref: long\_name = "absolute value of wind at 10 m"; units = "m/s";  
rh\_ref: long\_name = "relative humidity at 2 m"; units = "percent";  
evap: long\_name = "evaporation rate"; units = "kg/m2/s";  
lwflx: long\_name = "net (down-up) longwave flux"; units = "w/m2";  
shflx: long\_name = "sensible heat flux"; units = "w/m2";  
tau\_x: long\_name = "zonal wind stress"; units = "pa";  
tau\_y: long\_name = "meridional wind stress"; units = "pa";

alb\_sfc: long\_name = "surface albedo"; units = "percent";  
lwdn\_sfc: long\_name = "LW flux down at surface"; units = "watts/m2";  
lwup\_sfc: long\_name = "LW flux up at surface"; units = "watts/m2";  
swdn\_sfc: long\_name = "SW flux down at surface"; units = "watts/m2";  
swup\_sfc: long\_name = "SW flux up at surface"; units = "watts/m2";  
olr: long\_name = "outgoing longwave radiation"; units = "watts/m2";  
swdn\_toa: long\_name = "SW flux down at TOA"; units = "watts/m2";  
swup\_toa: long\_name = "SW flux up at TOA"; units = "watts/m2";  
lwdn\_sfc\_clr: long\_name = "clear skyLW flux down at surface"; units = "watts/m2";  
lwup\_sfc\_clr: long\_name = "clear skyLW flux up at surface"; units = "watts/m2";  
swdn\_sfc\_clr: long\_name = "clear skySW flux down at surface"; units = "watts/m2";  
swup\_sfc\_clr: long\_name = "clear skySW flux up at surface"; units = "watts/m2";  
olr\_clr: long\_name = "clear skyoutgoing longwave radiation"; units = "watts/m2";  
swdn\_toa\_clr: long\_name = "clear skySW flux down at TOA"; units = "watts/m2";  
swup\_toa\_clr: long\_name = "clear skySW flux up at TOA"; units = "watts/m2";

high\_cld\_amt: long\_name = "high cloud amount"; units = "percent";  
low\_cld\_amt: long\_name = "low cloud amount"; units = "percent";

mid_cld_amt:	long_name = "mid cloud amount" ;	units = "percent" ;
tot_cld_amt:	long_name = "total cloud amount" ;	units = "percent" ;
reff_modis:	long_name = "MODIS effective radius" ;	units = "micron" ;
reff_modis2:	long_name = "MODIS effective radius frequency" ;	units = "count" ;
droplets:	long_name = "Droplet number concentration" ;	units = "/m3" ;
debug1:	long_name = "fractional area in strat cloud" ;	units = "none" ;
bk:	long_name = "vertical coordinate sigma value" ;	units = "none" ;
pk:	long_name = "pressure part of the hybrid coordinate" ;	units = "pascal" ;
land_mask:	long_name = "fractional amount of land" ;	units = "none" ;
zsurf:	long_name = "surface height" ;	units = "m" ;
ps:	long_name = "surface pressure" ;	units = "Pa" ;
temp:	long_name = "temperature" ;	units = "K" ;
sphum:	long_name = "specific humidity" ;	units = "kg/kg" ;
sulfate:	long_name = "so4" ;	units = "kg/m3" ;
sulfate_col:	long_name = "so4_col" ;	units = "kg/m2" ;
sm_dust:	long_name = "small_dust" ;	units = "kg/m3" ;
sm_dust_col:	long_name = "small_dust_col" ;	units = "kg/m2" ;
lg_dust:	long_name = "large_dust" ;	units = "kg/m3" ;
lg_dust_col:	long_name = "large_dust_col" ;	units = "kg/m2" ;
salt:	long_name = "sea_salt" ;	units = "kg/m3" ;
salt_col:	long_name = "sea_salt_col" ;	units = "kg/m2" ;
blk_crb:	long_name = "black_carbon" ;	units = "kg/m3" ;
blk_crb_col:	long_name = "black_carbon_col" ;	units = "kg/m2" ;
org_crb:	long_name = "organic_carbon" ;	units = "kg/m3" ;
org_crb_col:	long_name = "organic_carbon_col" ;	units = "kg/m2" ;
sulfate_ex_c_vs:	long_name = "so4_exopdep_col_vis" ;	units = "dimensionless" ;
sm_dst_ex_c_vs:	long_name = "small_dust_exopdep_col_vis" ;	units = "dimensionless" ;

lg_dst_ex_c_vs:	long_name = "large_dust_exopdep_col_vis" ;	units = "dimensionless" ;
blk_crb_ex_c_vs:	long_name = "black_carbon_exopdep_col_vis" ;	units = "dimensionless" ;
org_crb_ex_c_vs:	long_name = "organic_carbon_exopdep_col_vis" ;	units = "dimensionless" ;
salt_ex_c_vs:	long_name = "sea_salt_exopdep_col_vis" ;	units = "dimensionless" ;
aer_ex_c_vs:	long_name = "aerosol_exopdep_col_vis" ;	units = "dimensionless" ;
aer_ab_c_vs:	long_name = "aerosol_abopdep_col_vis" ;	units = "dimensionless" ;
aer_c:	long_name = "aerosol_col" ;	units = "kg/m2" ;
aer_ex_vs:	long_name = "aerosol_exopdep_vis" ;	units = "dimensionless" ;
aer_ab_vs:	long_name = "aerosol_abopdep_vis" ;	units = "dimensionless" ;
bk:	long_name = "vertical coordinate sigma value" ;	units = "none" ;
pk:	long_name = "pressure part of the hybrid coordinate" ;	units = "pascal" ;
ps:	long_name = "surface pressure" ;	units = "Pa" ;
sphum:	long_name = "specific humidity" ;	units = "kg/kg" ;
temp:	long_name = "temperature" ;	units = "K" ;
O3:	long_name = "o3" ;	units = "vmr" ;
NO:	long_name = "no" ;	units = "vmr" ;
NO2:	long_name = "no2" ;	units = "vmr" ;
HNO3:	long_name = "hno3" ;	units = "vmr" ;
CH3OOH:	long_name = "ch3oooh" ;	units = "vmr" ;
CH2O:	long_name = "ch2o" ;	units = "vmr" ;
CO:	long_name = "co" ;	units = "vmr" ;
OH:	long_name = "oh" ;	units = "vmr" ;
PAN:	long_name = "pan(ch3co3no2)" ;	units = "vmr" ;
SO2:	long_name = "so2" ;	units = "vmr" ;
SO4:	long_name = "so4" ;	units = "vmr" ;
CH4:	long_name = "ch4" ;	units = "vmr" ;
C2H6:	long_name = "c2h6" ;	units = "vmr" ;

C2H4:	long_name = "c2h4" ;	units = "vmr" ;
C3H8:	long_name = "c3h8" ;	units = "vmr" ;
H2O2:	long_name = "h2o2" ;	units = "vmr" ;
C3H6:	long_name = "c3h6" ;	units = "vmr" ;
CH3COCH3:	long_name = "ch3coch3" ;	units = "vmr" ;
CH3CHO:	long_name = "ch3cho" ;	units = "vmr" ;
CH3OH:	long_name = "ch3oh" ;	units = "vmr" ;
DMS:	long_name = "dms" ;	units = "vmr" ;
HO2:	long_name = "ho2" ;	units = "vmr" ;
LCH4_prod:	long_name = "LCH4_prod" ;	units = "VMR/s" ;
O3_chem_dt:	long_name = "O3_chem_dt" ;	units = "VMR/s" ;
Ox_prod:	long_name = "Ox_prod" ;	units = "VMR/s" ;
Ox_loss:	long_name = "Ox_loss" ;	units = "VMR/s" ;
O3_ddep:	long_name = "o3 dry deposition for tracers" ;	units = "mole/m2/s" ;
hook_no:	long_name = "hook_no" ;	units = "molec/cm3/s" ;
prod_no_col:	long_name = "prod_no_col" ;	units = "TgN/y" ;