

PRELIMINARY

MOZART-4 runtime namelist parameters

Parameter	Description	Example
case	Name of the simulation case. Included in output file attributes. At NCAR this is the MSS directory name (\$USER/mozart/\$case/) if output is written to MSS.	'MOZART-4'
title	Simulation title. Included in output file attributes.	'MOZART-4'
timestep	model timestep of form "integer{smh}", with s=seconds, m=minutes, h=hours; set depending on horizontal resolution	'20m' for T42, '900s' for T63
calendar	Type of calendar assumed	'gregorian' or '365_days'
icdate	Simulation start date	20060101
icsec	Simulation start time (secs of day)	0
sim_type	Simulation type	'INITIAL' or 'RESTART'
sim_duration	Simulation length of form "integer{hd}", with h=hours, d=days	
hstfrq(n)	Frequency of output to history file n (n=1,6), in form: "integer" (for timesteps) or "integer{hd}"; 'daily' or 'monthly'	'3h' or 'monthly' or 'daily'
restart_frq	Frequency that restart files are written	'monthly' or '5d'
mfilt(n)	Number of output times written to history file n (n=1,6). Should adjusted depending on number of variables output, so that output files are not too big.	1
local_data_path	Path for all input files	
dyn_flsp%nl_filename	Filename of first dynamics file	'ncep_t42_20051231.nc'
dyn_flnm_prefix	Dynamics filename prefix (portion of filename before date).	'ncep_t42_'
dyn_flnm_date_frmt	Format of date in dynamics filename	'YYYYMM' or 'YYYYMMDD'
ic_flsp%nl_filename	Filename of initial conditions file	'ic_mz46synoz_20060101.nc'
lght_no_prd_factor	Scale factor for lightning NO emissions (changes with resolution and dynamics source)	0.25
sim_data_file	Data file created by pre-processor	'mz4.dat'
hsttimav(n)%list	Additional variables to be written as time averages to history file n (n=1,6).	'PS', 'T', 'U', 'V'

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hstinst(n)%list	Additional variables to be written as instantaneous values to history file n (n=1,6).	
oronm	Variable name in dynamics files for 'ORO'	'LAND'
phism	Variable name in dynamics files for 'PHIS'	'PHI'
shflxnm	Variable name in dynamics files for 'SHFLX'	'HFLX'
qflxsc	Scale factor for QFLX from dynamics files to convert to kg/m ² /s	4.33e-7