Benchmarks and Production

Information about where to find model output.

Available Output

Case	Short Name	Description	Output Type and Location	Who
f.e22.FCnudged. f09_f09_mg17. cov_geosFPsn.001	CAM-chem simulation of the 2020 lockdown	CESM2.2; 0.9x1.25 degree and 32 vertical layers	Description of the simulations and download available at https://doi.org/10.5065/cgg0-rr19	Benjam in Gaubert
			3 hourly outputs can be made available upon request.	
REANALYSIS	DART-CAM4- CESM1.2	2002-2013, 1.9x2.5 degree and 26 vertical layers. Ensemble (EAKF) assimilation of conventional meteorological observations and MOPITT retrievals of CO (6-hourly).	Model Reanalysis: ACCESS data here: https://rda. ucar.edu/datasets/ds342.0/	Benjam in Gaubert
FINN_2002	FINN-32L	2002-2017, 1.25x0.9 degree and 32 vertical layers. FINN daily fire emissions, CMIP6 anthropogenic emissions with CO tags with dynamic nudged to MERRA2 (50 hours relaxation time).	Restart Files (Jan 1 and Oct 1 for all years)	Benjam in Gaubert
			Boundary Conditions (6 hr instantaneous): (List of species)	
FINN_2002_56L	FINN_56L	2002-2016, 1.25x0.9 degree simulation with FINN daily fire emissions, otherwise CMIP6 emissions and 56 vertical layers with CO tags and specified dynamics to MERRA2 (1% nudging).	Benchmark diagnostic images (2003-2012 compared to FINN-32L)	Rebecc a Buchho Iz
			Benchmark output (climatological average)	
fmerra.206.FCSD. 1deg.longrun. chey171005	Longrun_CES M2beta06	1975-1993, 1.25x0.9 degree simulation, CMIP6, 56 levels, MERRA2 (1% nudging).	Restart Files (yearly), ACCESS data here:	Rebecc a Buchho Iz
fmerra.206.FCSD. 1deg.longrun. chey171005. branchbase	Longrun_CES M2beta06_b	1993-2015, 1.25x0.9 degree simulation, CMIP6, 56 levels, MERRA2 (0.5% nudging).	Restart Files (yearly), ACCESS data here:	Rebecc a Buchho Iz
fmerra.2.1003. FCSD.f09. qfedcmip.56L.001	CESM2. 1_QFED-56L	2001-2020, 1.25x0.9 degree simulation with QFED daily fire emissions, otherwise CMIP6 emissions and 56 vertical layers, specified dynamics to MERRA2 (1% nudging / 50 h relaxation).	Benchmark diagnostic images	Rebecc a
			Benchmark output (yearly and 2001-2014 climatological average)	Buchho Iz
			Restart Folders (6 monthly)	
			CAM initialization files (monthly): CAM_initial_conditions folder	
			Monthly h0 files (ACCESS data here: /glade /campaign/acom/acom-da/CAM_chem_output /fmerra.2.1003.FCSD.f09.qfedcmip.56L.001/atm /hist)	
			Boundary Conditions (2001-2020): ACCESS data here: https://tda.ucar.edu/datasets/ds313.7/ subsetting: https://www.acom.ucar.edu/cam-chem /cam-chem.shtml	