

AIRPACT-5 Change Log

Date	Person	Description	Component Model
July 13, 2021	Joe Vaughan	Modified FIS url to request median fire area instead of mean fire area	scripting in ~/AIRHOME/run_ap5_day1/emis/fire_new/airpact_FIS_exec.csh
June 17, 2021	Joe Vaughan	AIRPACT failed on segmentation error in CMAQ on 16th and 17th.	CMAQ
June 9, 2021	Susan O'Neill and Farren Herron-Thorpe	BlueSky was updated to reduce excess fire detects	BlueSky as accessed by AIRPACT via Synchronicity
April 7, 2021	Joe Vaughan	Transfer of MCIP files changed from scp to rsync	on rainier, in ~empact/airpact5/AIRHOME/mcip, these files mcip5.1_AP5_37_DAY1.csh mcip5.1_AP5_37_DAY2.csh scp_MCIP5.1_37_DAY2.csh scp_MCIP5.1_37_DAY1.csh
February 10, 2021	Joe Vaughan	Adapting to Lockdown of CENTOS 6 system Aeolus w/ VPN	requirement for VPN for access or Whitelisting
January 3, 2021	Joe Vaughan	Corrected master4all scripts to create DONE dirs	~airpact5/AIRHOME/run_ap5_day*/master4all.csh
December 10, 2020	Farren Herron-Thorpe	EI Update for Point and Nonpoint to 2017 NEI	Emissions Inventory
October 12, 2020	Joe Vaughan	Updated DAY2 scripting to use WACCM-derived BCON	in AIRHOME/run_ap5_day2/blueprints/blueprint_qsub_precctm_FixMCIP5.1.txt
October 7, 2020	Joe Vaughan	updated CCTM site extraction to v10	AIRHOME/run_ap5_day{1-2}/post/cctm/run_site_extract_airpact_v10.csh
August 25, 2020	Joe Vaughan	Migration from SMARTFIRE & BLUESKY to FIS & BSP	qsub4FIS-BSP.csh and qsub4fireemis.csh

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August 20, 2020	Joe Vaughan	Noting WRF change at UW for smoke	WRF
May 26, 2020	Jen Hinds	Fixed a problem with performance charts	Performance Charting
April 27, 2020	Joe Vaughan	Scripting added to enforce DAY1 CCTM running before DAY2 CCTM.	Blueprint files for qsub4precctm.csh and qsub4cctm.csh for DAY1, and for DAY2, master4all.csh.
April 23, 2020	Joe Vaughan	Modified DAY2 run_cctm.csh to wait longer, and added 3 h to walltime	DAY2 cctm/run_cctm.csh and blueprint fir for qsub4cctm.csh
March 17, 2020	Joe Vaughan	Run failure caused by misplaced files, resulting from testing effort.	Files expected at AIRRUN/2020/2020031600/POST/CCTM were not found. Resolved.
March 9, 2020	Joe Vaughan	Bug with run of day2 post cctm processing	qsub4postcctm.csh in ~/AIRHOME/run_ap5_day2
February 19, 2020	Jen Hinds & Farren Herron-Thorpe	Added perimeters for Tribal Reservation Perimeters (& trust lands) to Misc Overlays under LAYERS tab.	AIRPACT Webpage at http://lar.wsu.edu/airpact/gmap/ap5/ap5.html
February 19, 2020	Joe Vaughan	WFR update to V4.1.3 caused problems and fixes were applied	MCIPv5.1; See ~/AIRHOME/build/MCIP5.1_fix_VGTYPto7/README

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February 18, 2020	Joe Vaughan and Jen Hinds	AP5 webpage updates	Google Maps and ~/AIRRUN/AIRPACT5_WEB_NOTE
February 4, 2020	Joe Vaughan	Added recording DONE times for DAY2	~/AIRHOME/run_ap5_day2/check4errors/run_check4postcctmerrors.csh
January 17, 2020	Joe Vaughan and Jen Hinds	Bug preventing day2 animation display was fixed.	AIRPACT5 website display of acquired DAY2 imagery.
January 15, 2020	Joe Vaughan	C-shell script edits to prevent bug stopping day2 post processing.	master4all.csh and master4all_day2.csh
October 29, 2019	Farren Herron-Thorpe	Turned Area Fugitive Dust back on	
October 17, 2019	Farren Herron-Thorpe	Turned off area fugitive dust emissions for wet season.	Area Source Emissions
July 2, 2019	Farren Herron-Thorpe	Separated Western/Eastern OR/WA Fugitive Dust Input Files	Area Source Emissions
July 2, 2019	Farren Herron-Thorpe	Turned on fugitive dust sector	Area Source Emissions
June 28, 2019	Joe Vaughan	further work on WACCM to BCON from June 27th.	run_waccm2bcon_py2_10step_fs.csh
June 27, 2019	Joe Vaughan	Modify WACCM to BCON script to fail over to redate prev day.	~airpact5/AIRHOME/run_ap5_day1/bcon_WACCM/run_waccm2bcon_py2_10step_fs.csh

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June 5, 2019	Joe Vaughan	AIRPACT5 maseter4all.csh script modified to delay until ~ midnight	~airpact5/AIRHOME/run_ap5_day1.master4all.csh
April 15, 2019	Joe Vaughan	Email on WACCM from Louisa Emmons at NVAR	WACCM results are used for BCON
February 6, 2019	Joe Vaughan	Fixed bug causing DONE files to contain erroneous time stamps	Fixed Urbanova script run_check4postcctmerrors.csh
December 6, 2018	Farren Herron-Thorpe	Recalculating all RX burns as piles	Fire Emissions
November 1, 2018	Joe Vaughan	BCON from WACCM used starting 11/1/18	bcon_WACCM/run_waccm2bcon_py2_10step.csh & etc.

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October 30, 2018	Joe Vaughan	License statement for AIRPACT operations	MCIP, SMOKE, CMAQ, models-3 io/api
October 26, 2018	Joe Vaughan	Add short delay to DAY2 CMAQ to avoid not finding CGRID file from DAY1	modified ~airpact54/AIRHOME/run_ap5_day2/blueprints/blueprint_qsub_cctm.txt
October 17, 2018	Joe Vaughan	New control against spurious resubmittals from WRF restarts attempting restart of AIRPACT5	rainier: ~empact/AQSIM_AIRPACT5_wMCIP4.3.pl
October 8, 2018	Farren Herron-Thorpe	Turned off fugitive dust sector	Area Source Emissions
August 27, 2018	Farren Herron-Thorpe	Reduced RWC Fireplace Emissions for PSCAA counties	Area Source Emissions
August 21, 2018	Joe Vaughan	Added Curtain plots generation requested by PSCAA (not on website)	qsub4plot_cctm.csh and run_plot_cctm.csh
August 16, 2018	Joe Vaughan	UW's WRF forecast has updated to use aerosols.	the WRF GFS forecast at UW, which is used by AIRPACT
July 13, 2018	Farren Herron-Thorpe	Reduced Fire Emissions and changed plume rise.	Fire Emissions

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May 11, 2018	Joe Vaughan	Updating MCIP from 3.6 to 4.3 and restructuring aeolus scripts	rainier: AQSIM_AIRPACT.pl -> AQSIM_AIRPACT5_wMCIP4.3_CLEARSKY2.pl and aeolus: AIRHOME/run_ap5_day[1-2]
May 1, 2018	Farren Herron-Thorpe	Turned on fugitive dust sector	Area Source Emissions
April 16, 2018	Joe Vaughan	Modified the AIRPACT5 species extraction for AIRNow sites resulting in headered file with CO, NO, NO2, NOX, O3, PM2.5, PM10, SO2 & WSPM25.	~/AIRHOME/run_day[1-2]/post/cctm/extract_AIRNow/run_site_extract_airpact_v6.csh
February 2, 2018	Joe Vaughan	Switch from using MOZART4 for BCON to link to monthly BCON	~/AIRHOME/run_day1/bcon/run_mozart42bcon.csh
November 16, 2017	Joe Vaughan	BCON logic added to use previous day BCON, redated.	/home/airpact5/AIRHOME/run_day1/bcon/run_mozart42bcon.csh
October 18, 2017	Joe Vaughan	Changed recently added WILDFIRE SEASON switch (env var) to non-wildfire setting	/home/airpact5/AIRHOME/run_fastscratch/set_AIRPACT_fire_season.csh
October 16, 2017	Farren Herron-Thorpe	Turned off fugitive dust sector	Area Source Emissions
October 13, 2017	Farren Herron-Thorpe	Fire Type Parsing	SMARTFIRE / BlueSky
September 22, 2017	Farren Herron-Thorpe	Point Source Emissions Overlays	AIRPACT GMAPs Page
August 10, 2017	Farren Herron-Thorpe	Fixed Weekly Mobile TPRO for #408	Temporal Profiles

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August 5, 2017	Joe Vaughan	Corrected MOZART import and conversion for CBO5 BCON	/home/airpact5/AIRHOME/build/MOZART4_bcon/cb05 and /home/airpact5/AIRHOME/run_fastscratch/qsub4plot_bcon.csh
July 21, 2017	Joe Vaughan	Saving the aod550nm2d file, daily	masterCleanupAndSave.csh
June 26, 2017	Joe Vaughan	Modified masterCleanupAndSave.csh to save more CGRID files.	~/AIRHOME/run_fastscratch/cleanup/masterCleanupAndSave.csh
May 23, 2017	Farren Herron-Thorpe	Turned on fugitive dust sector	Area Source Emissions
May 1, 2017	Joe Vaughan	BCON on all four domain boundaries for CO and O3 is plotted.	masterAfterBluesky.csh, qsub4plot_bcon.csh, plot_bcon.csh
April 5, 2017	Farren Herron-Thorpe	Dividing Heat Flux by 3 for Fires	BlueSky
March 23, 2017	Farren Herron-Thorpe	Ventilation Index graphics generation	Met Graphics
February 22, 2017	Joe Vaughan	Fix for bug in scripting for finding CGRID for ICON from two days ago.	/home/airpact5/AIRHOME/run_fastscratch/cctm/run_cctm.csh
December 7, 2016	Joe Vaughan	Added module call for openmpi/1.6pgi	~/AIRHOME/run_fastscratch/cctm/run_cctm.csh
December 1, 2016	Farren Herron-Thorpe	Updated WA Road Dust Emissions	nonpoint afdust
October 7, 2016	Farren Herron-Thorpe	Turned off fugitive dust for wet season	AFDUST
October 4, 2016	Joe Vaughan	Added write of DONE time for DAY1 and txt to cell phone (JKV)	run_check4postcctmerrors.csh
August 24, 2016	Farren Herron-Thorpe	Added VOC Emissions for Pt Source CAFOs to WA and ID	Emissions

Date	Person	Description	Component Model
August 11, 2016	Farren Herron-Thorpe	Updated RWC Monthly TPRO for USA	Temporal Profiles (Emissions)
August 1, 2016	Farren Herron-Thorpe	FCCS Fuel Loading increase	BlueSky/FCCSv2
July 22, 2016	Farren Herron-Thorpe	Updated AG Till & Harvest Monthly TPRO for USA	Temporal Profiles (Emissions)
May 15, 2016	Farren Herron-Thorpe	Modified BlueSky Setup	Fire Emissions Processing
May 2, 2016	Farren Herron-Thorpe	Updated Oregon Title V AOP pt sources to 2014	Point Source Emissions
April 27, 2016	Serena Chung	switched from 21 layers to 37 layers	all components
February 21, 2016	Serena Chung	Woodstove PM Tracer Added	CMAQ
February 4, 2016	Farren Herron-Thorpe	Updated BlueSky/FCCSv2 Fuel Loading	Fire/BlueSky
January 16, 2016	Serena Chung	Oregon RWC Emission Update	SMOKE
December 1, 2015	Joe Vaughan	AIRPACT-5 begins operational testing	Top level AIRPACT-5 scripting being run via cron entry