

CSU – RAMS

Model Update and Modification Details

This document contains detailed notes of changes made between model versions as development and deprecation were performed on the model by Stephen Saleeby and others at CSU starting in 2010. This is meant primarily as a reference for noting when particular changes take place in CSU-RAMS.

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Last updated: 14 October, 2020

DESCRIPTION OF MODIFICATIONS MADE TO RAMS BETWEEN VERSIONS
VERSIONS ARE UPDATED WITH A DATE STAMP and/or VERSION NUMBER

" " " "

Moving from Past Versions to rams6_20100504

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Moving from rams6_20100504 to rams6_20101004:

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Moving from rams6_20101004 to rams6_20101207:

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Moving from rams6_20101207 to rams6_20110712:

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Moving from rams6_20110712 to rams6_20120202:

#####

Moving from rams6_20121207 to rams6_20130409:

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Moving from rams6_20130409 to rams6_20130813:

Mods to Powers Laws and Sedimentation

" "

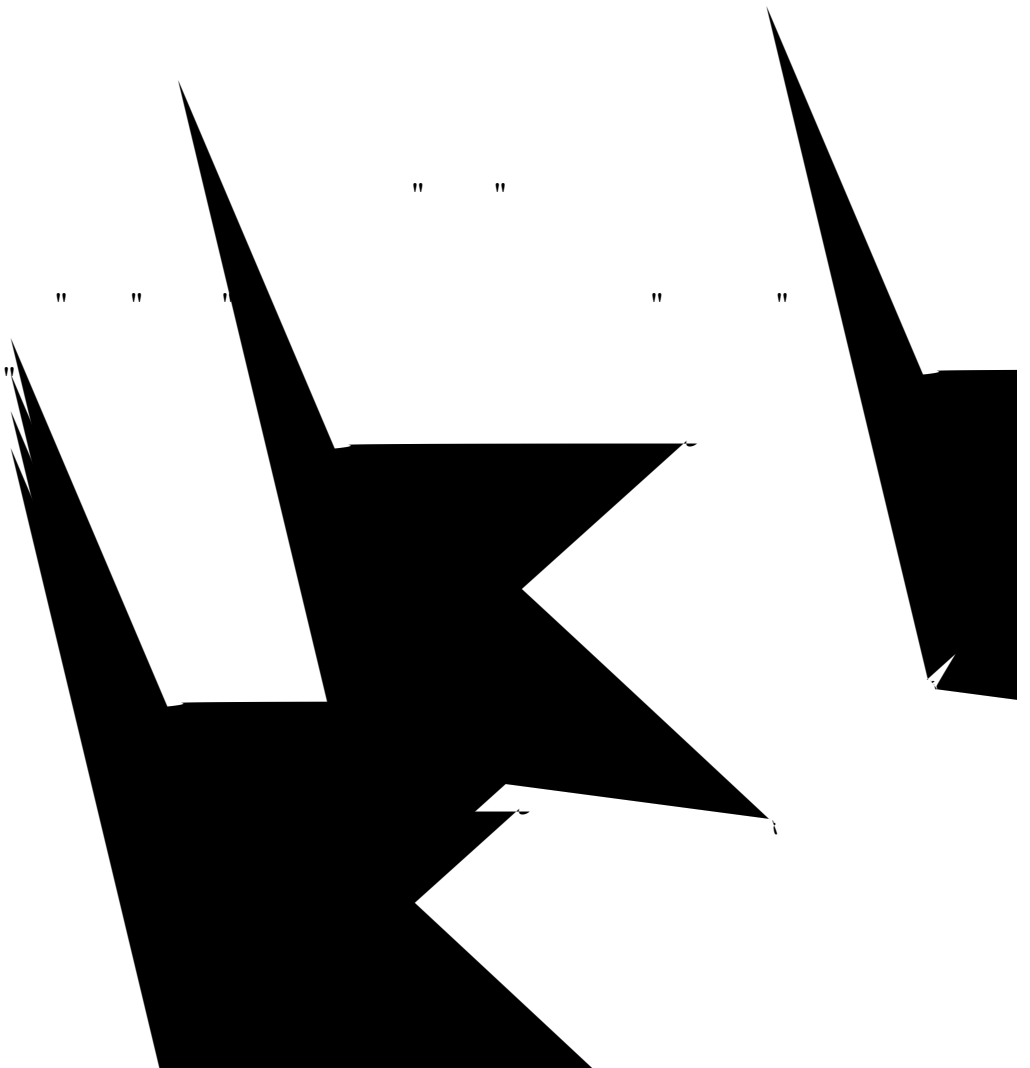
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Other Modifications

Moving from rams6_20130813 to rams6_20130901:

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Moving from rams6_20130901 to rams6_20131005:
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Moving from rams6_20131005 to rams6_20131008:

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Moving from rams6_20131008 to rams6_20131111:

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Moving from rams6_20131111 to rams6_20131130:

Moving from rams6_20131130 to rams6_20131204:
VERSION 6.0.00

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For making the HISTORY initialization and nudging code functional:

Moving from rams6_20131204 to rams6_20140114:
VERSION 6.0.01

Moving from rams6_20140114 to rams6_20140119:
VERSION 6.0.02
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Moving from rams6_20140119 to rams6_20140122:
VERSION 6.0.03
*

Moving from rams6_20140122 to rams6_20140126:
VERSION 6.0.04
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Moving from rams6_20140126 to rams6_20140130:
VERSION 6.0.05

VERSION 6.0.06

VERSION 6.0.07

#

Moving from rams6_20140130 to rams6_20140410:
VERSION 6.1.00

Moving from rams6_20140228 to rams6_20140410:
VERSION 6.1.01 (Merged REVU back into RAMS source code to share files)
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VERSION 6.1.02
*

VERSION 6.1.03

VERSION 6.1.04

VERSION 6.1.05

VERSION 6.1.06

VERSION 6.1.07

VERSION 6.1.08

VERSION 6.1.09

VERSION 6.1.10

VERSION 6.1.11

VERSION 6.1.12 (HDF5 array swap in this version)

VERSION 6.1.13
Summary:

VERSION 6.1.14

VERSION 6.1.15

VERSION 6.1.16

VERSION 6.1.17 – June 30, 2015

VERSION 6.1.18 – Sep 28, 2015

VERSION 6.1.19 – Mar 14, 2016

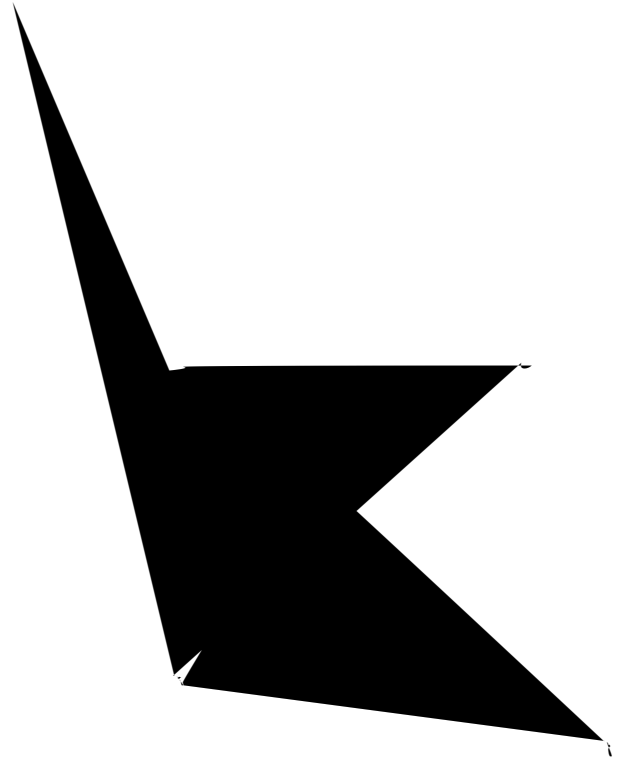


**CONTINUE BEFORE UPDATES
STARTING WITH RAMS VERSION 6.1.20**

**MODEL UPDATES STARTING WITH VERSION 6.1.20 WITH ADDITION OF HUCM-
SBM BIN MICROPHYSICS AND SIB CARBON-CYCLE LAND SURFACE MODEL**

VERSION 6.1.20 – July 13, 2016

VERSION 6.1.21 – August 25, 2016



VERSION 6.1.22 – September 12, 2016

VERSION 6.1.23 – November 11, 2016

MODEL UPDATES STARTING WITH VERSION 6.2 WITH ADDITION OF FULLY PARALLELIZED FEATURES THAT ALLOW 1-WAY GRID NESTING IN THE DISTRIBUTED MEMORY (DM) VERSION OF RAMS. FROM THIS POINT FORWARD WE WILL ONLY SUPPORT THE “DM” VERSION AND WILL DISCONTINUE UPDATES TO THE TRADITIONAL CODE VERSION THAT REQUIRED A MASTER NODE AND FULL LOADING OF 3D GRIDS INTO MASTER MEMORY.

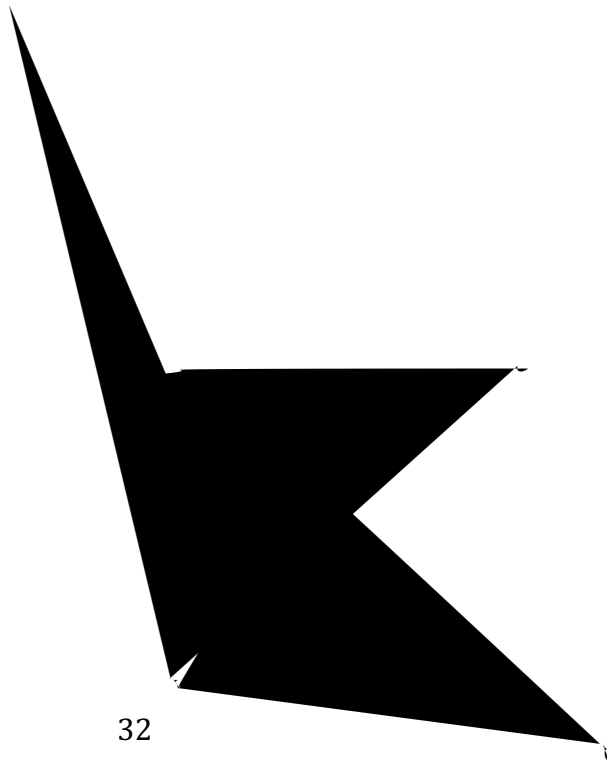
VERSION 6.2.01 – December 12, 2016

VERSION 6.2.02 – February 10, 2017

VERSION 6.2.03 – February 10, 2017

VERSION 6.2.04 – April 11, 2017

VERSION 6.2.05 – June 28, 2017



VERSION 6.2.06 – September 13, 2017

VERSION 6.2.07 – November 6, 2017

VERSION 6.2.08 – May 9, 2018

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VERSION 6.2.09 – Oct 12, 2018

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VERSION 6.2.10 – Mar 15, 2018

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VERSION 6.2.11 – Nov 9, 2019

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VERSION 6.2.13 – July 24, 2020

VERSION 6.2.14 – August 17, 2020

VERSION 6.2.15 – October 6, 2020

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VERSION 6.2.16 – October 14, 2020

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