

# THE FLOODS CAME UP AND THE RAINS CAME DOWN

Larry Vardiman, PhD

# ***Catastrophic Plate Tectonics:***

## **A Global Flood Model of Earth History**

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# How did ocean basins and continents form?

**And God said, "Let the waters below the heavens be gathered into one place, and let the dry land appear"; and it was so.**

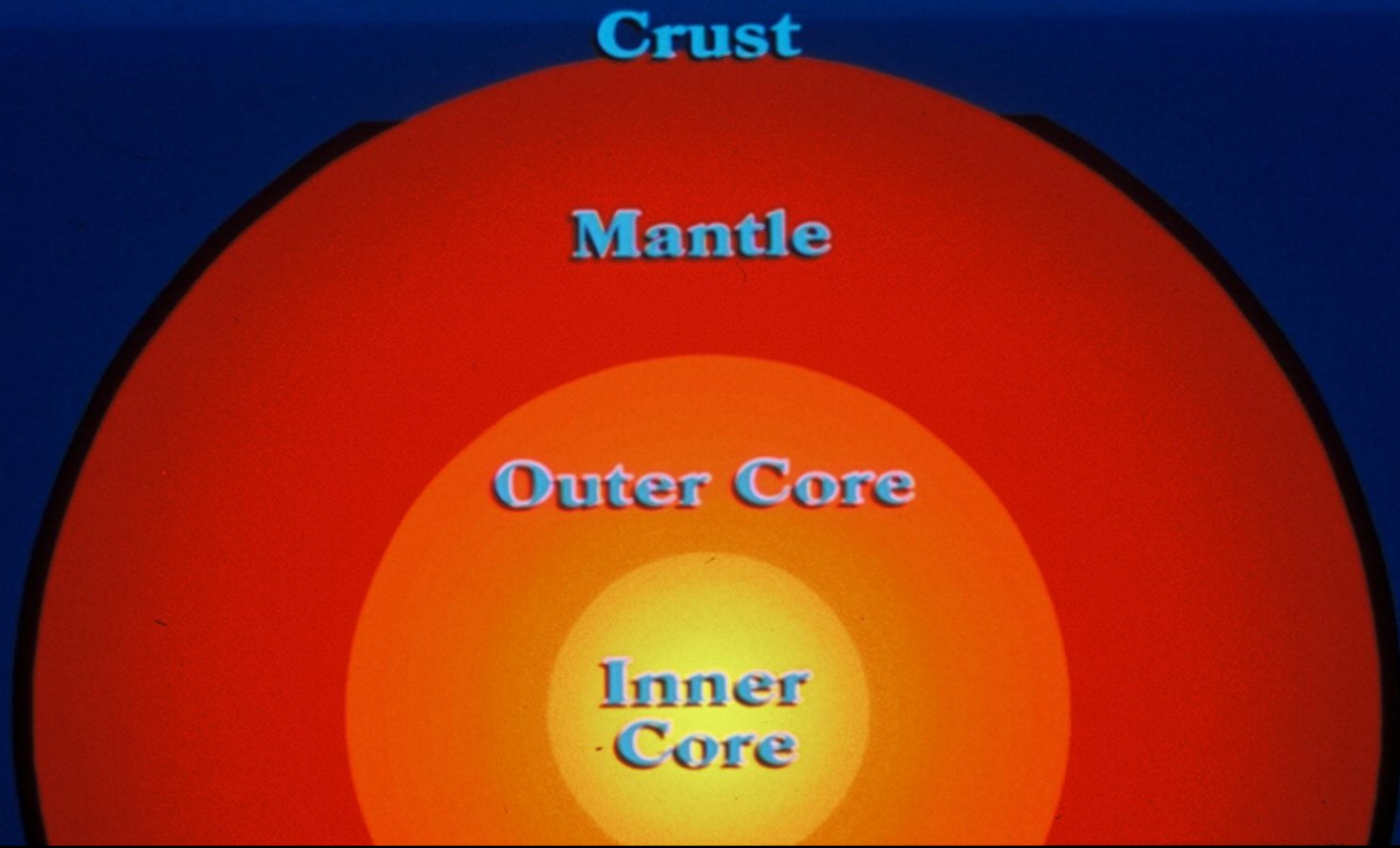
**Genesis 1:9**

# Did a Sea Floor Upheaval Cause Noah's Flood?

"...all the fountains  
of the great deep  
were broken up  
...and all the high hills  
under the whole heaven  
were covered."

Genesis 7:11,19

# Earth's Internal Structure





**Pacific Ocean with a young seafloor**







# The Initiation of the Flood

”... the same day were all the fountains of the great deep broken up and the windows of heaven were opened.”

(Genesis 7:11b; King James Version)

# **ORIGIN OF THE FLOOD WATERS:**

## **The Situation Before The Flood**



The diagram shows a cross-section of the Earth's layers. At the top is a light blue sky. Below it is a blue trapezoidal shape representing the ocean. Underneath the ocean is a brown trapezoidal shape representing the crust. At the bottom is a red trapezoidal shape representing the mantle. The layers are labeled with yellow text.

**Ocean**

**Cold, Dense Crust**

**Mantle**

# The Day Before the Flood

**CONTINENTAL CRUST**

Density  $d_c$

**OCEAN CRUST**

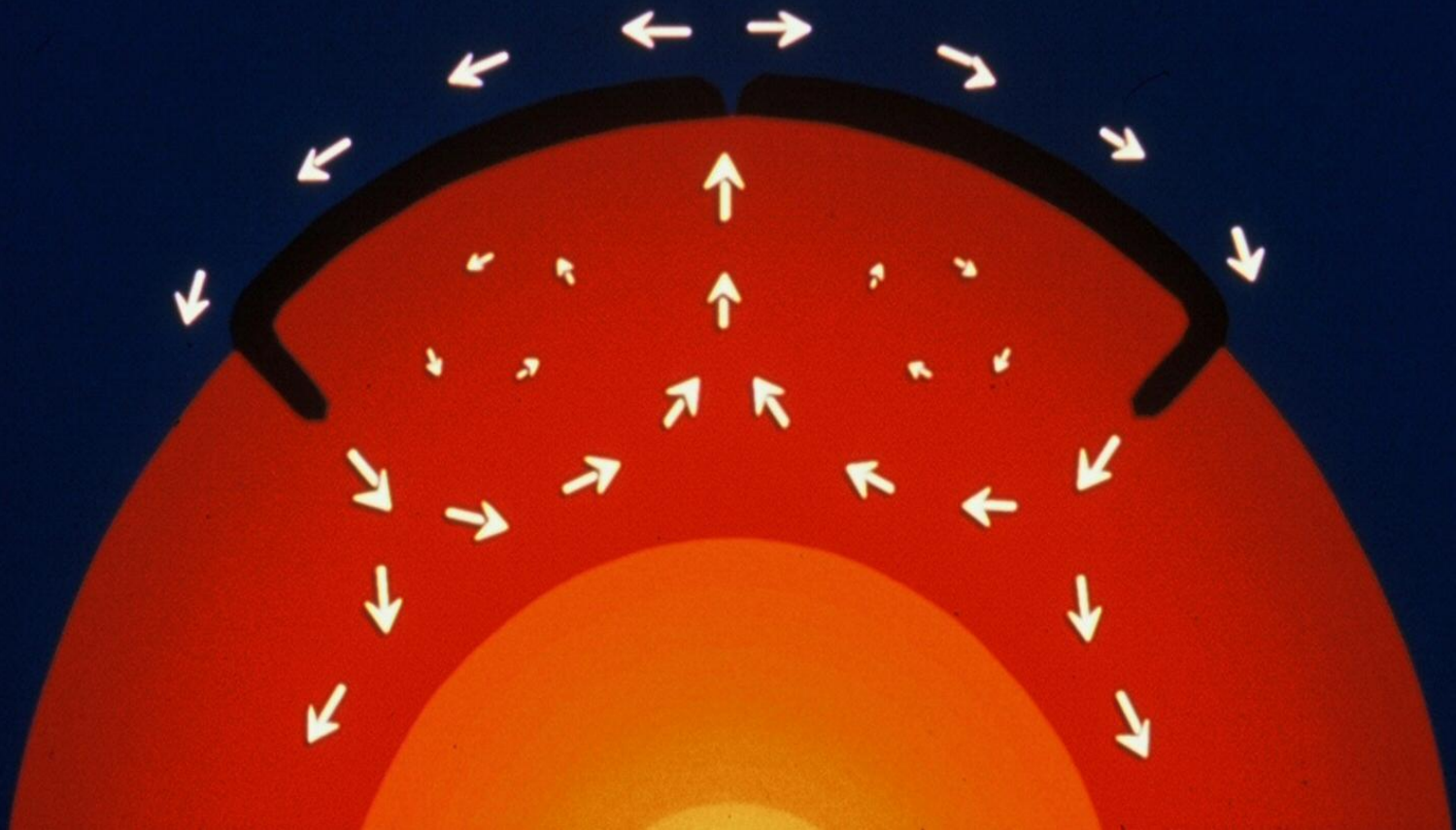
Density  $d_o$

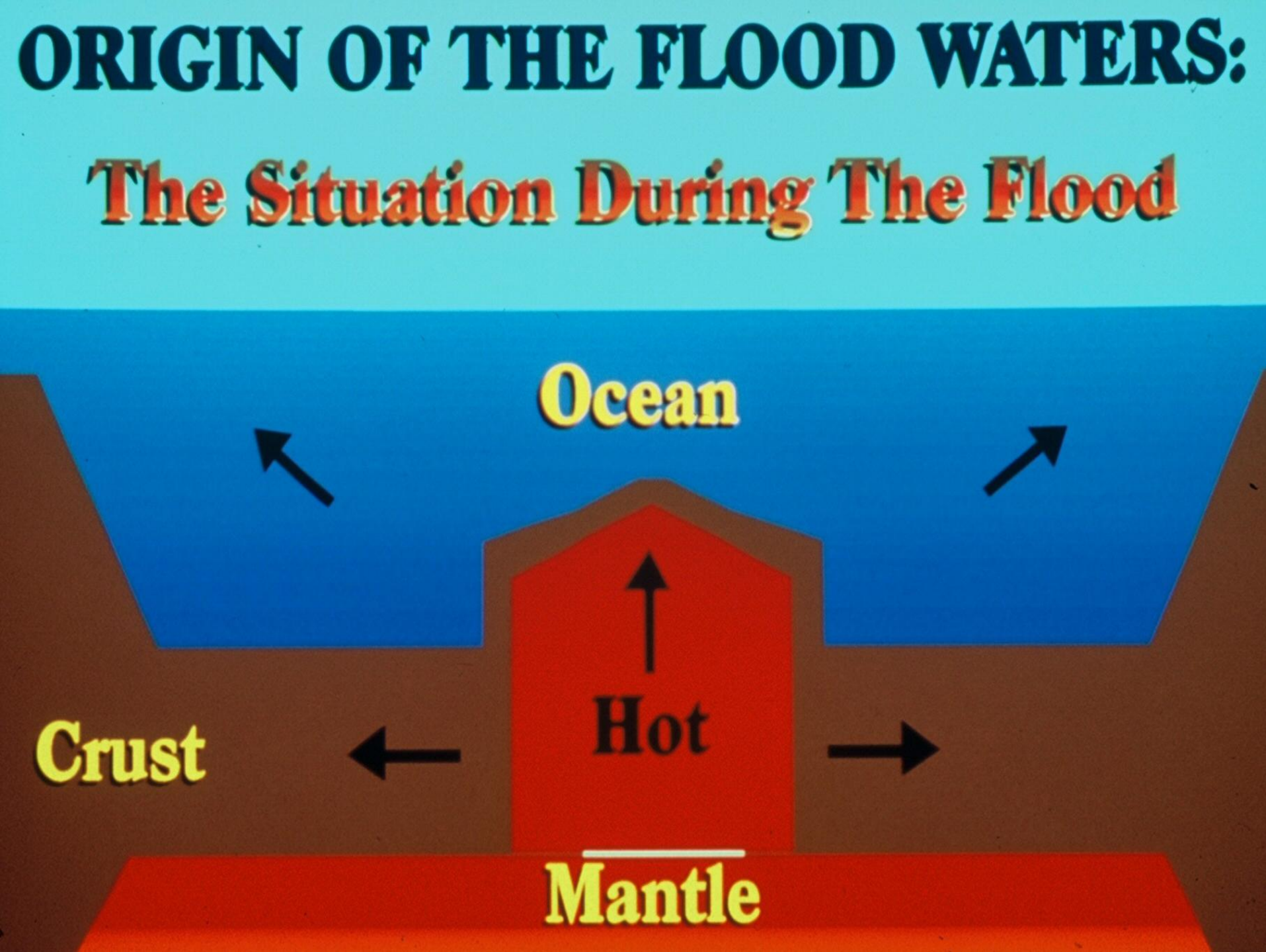
**MANTLE**

Density  $d_m$

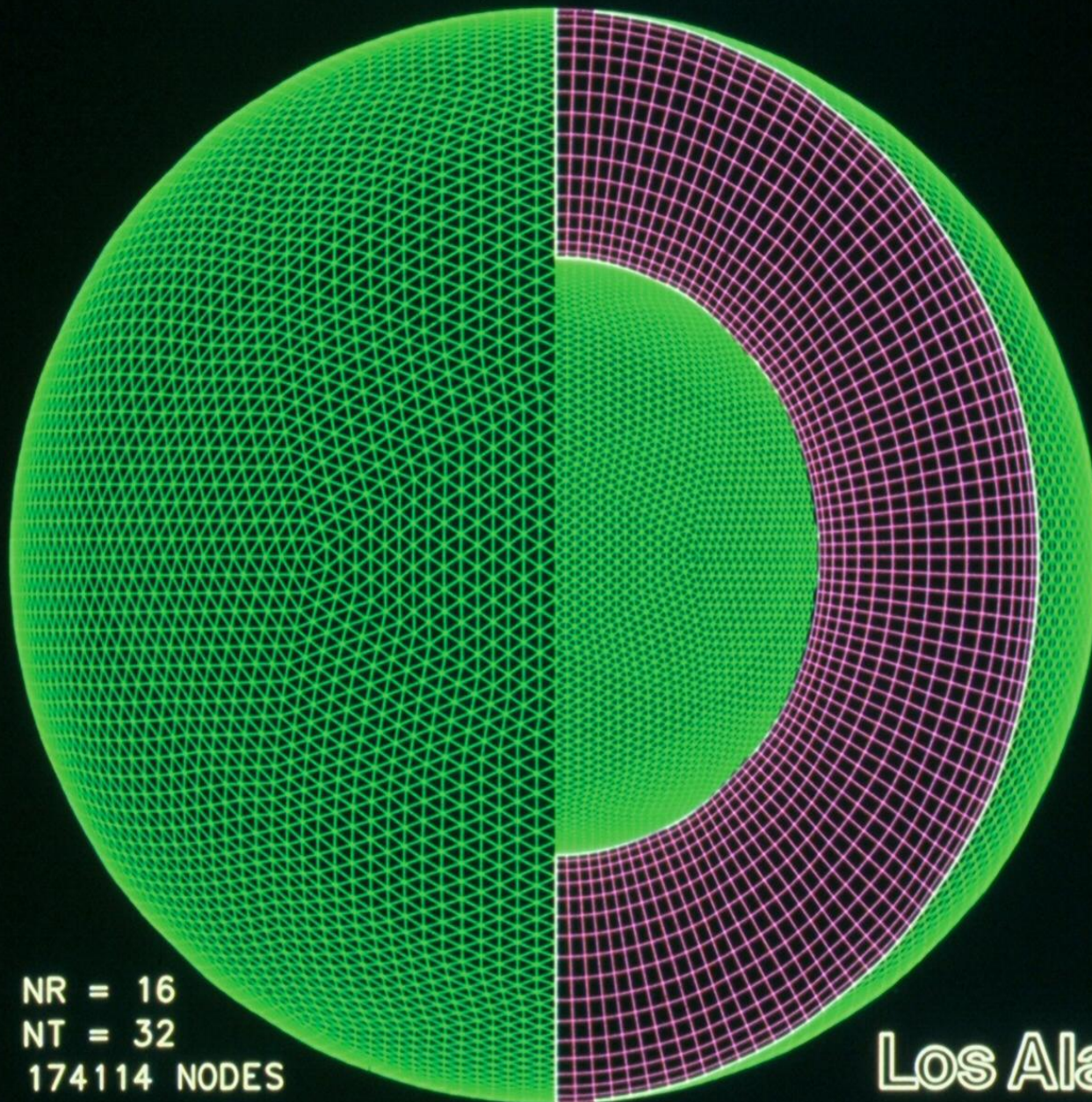
$d_c \ \& \ d_m < d_o$

# Spreading, Subduction, & Mantle-Wide Flow





# TERRA COMPUTATIONAL MESH

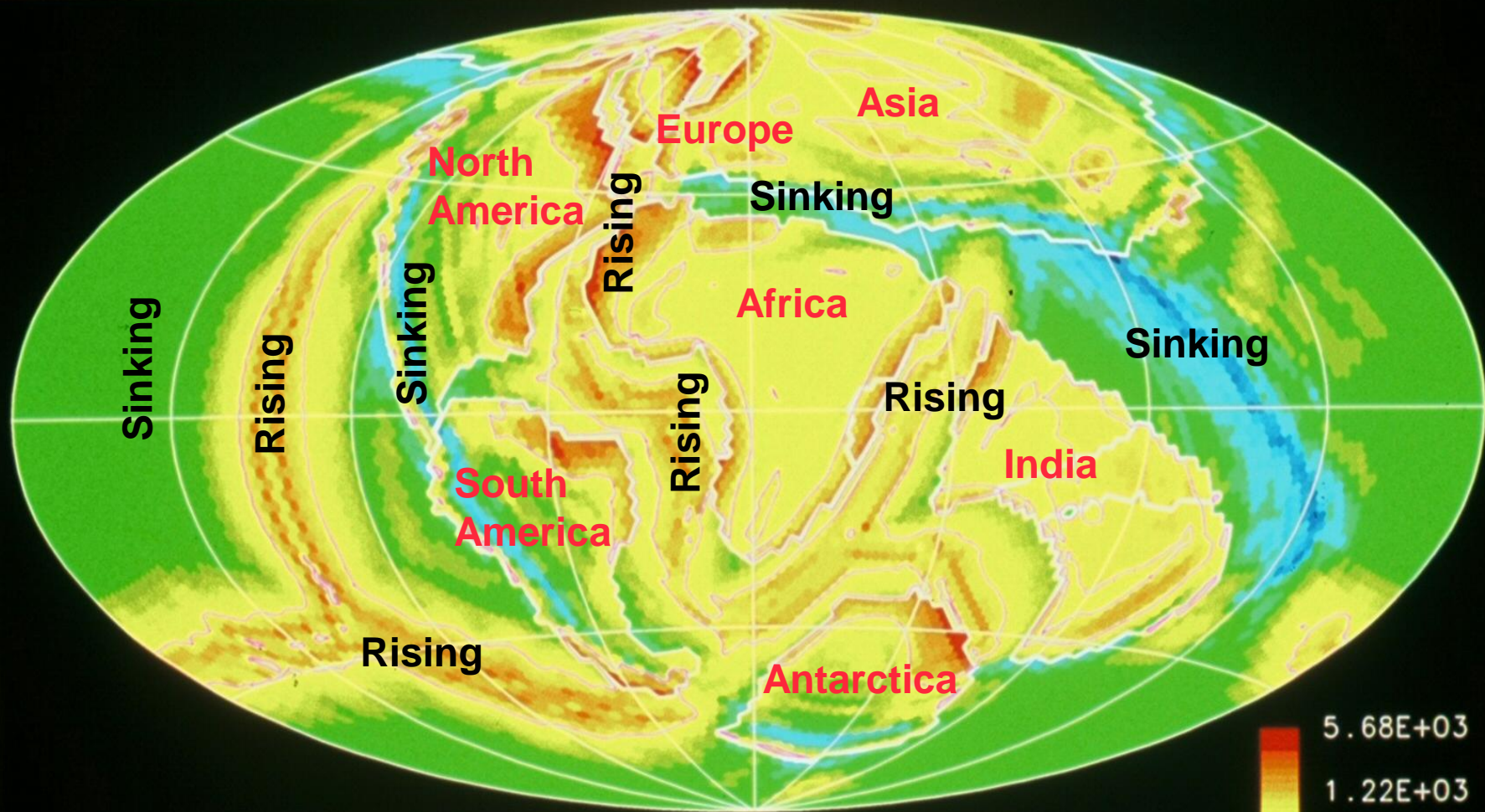


NR = 16  
NT = 32  
174114 NODES

Los Alamos



**Single Land Mass (Pangea) before Genesis Flood**



CASE 192 PANGEAN INITIALIZATION  
 RADIAL VISCOSITY VARIATION  
 NR=16 NT=32 MORSE EOS  
 06 MAY 1994  
 DEPTH = 0.000E+00 KM  
 TIME = 6.002E+01 DAYS

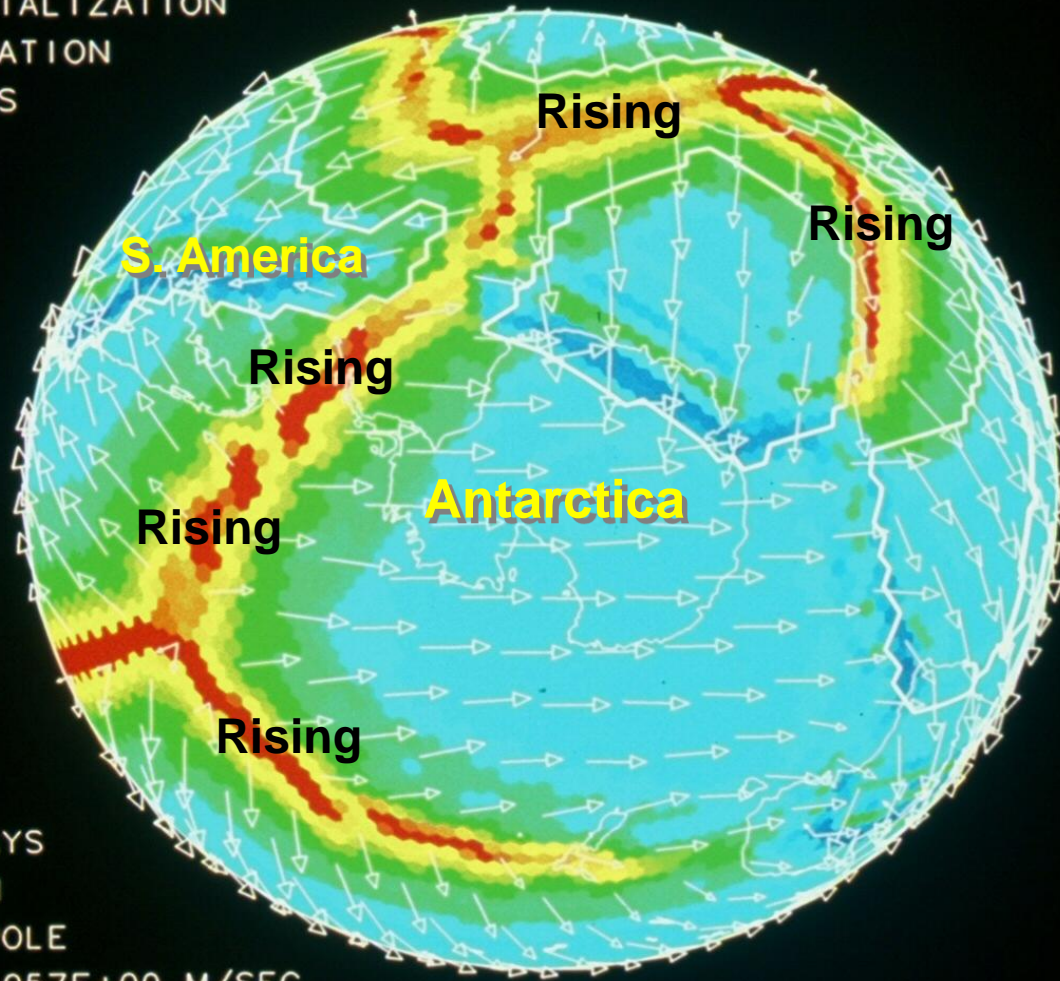
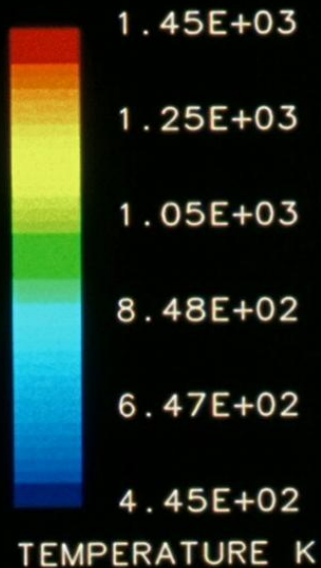
TOPOGRAPHIC  
 HEIGHT (M)



**Initial vertical movement in Pangea**

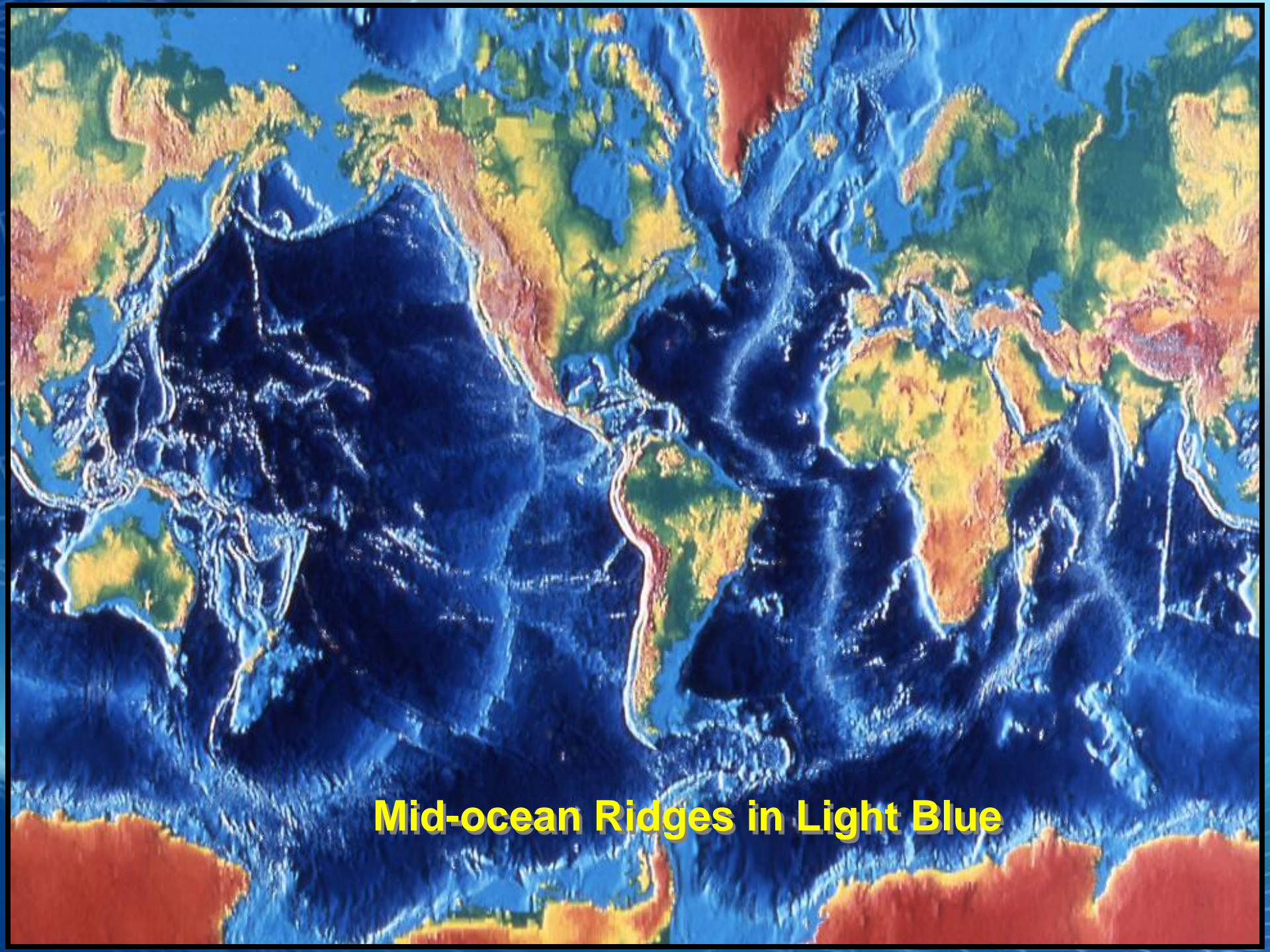


CASE 192 PANGEAN INITIALIZATION  
RADIAL VISCOSITY VARIATION  
NR=16 NT=32 MORSE EOS  
06 MAY 1994

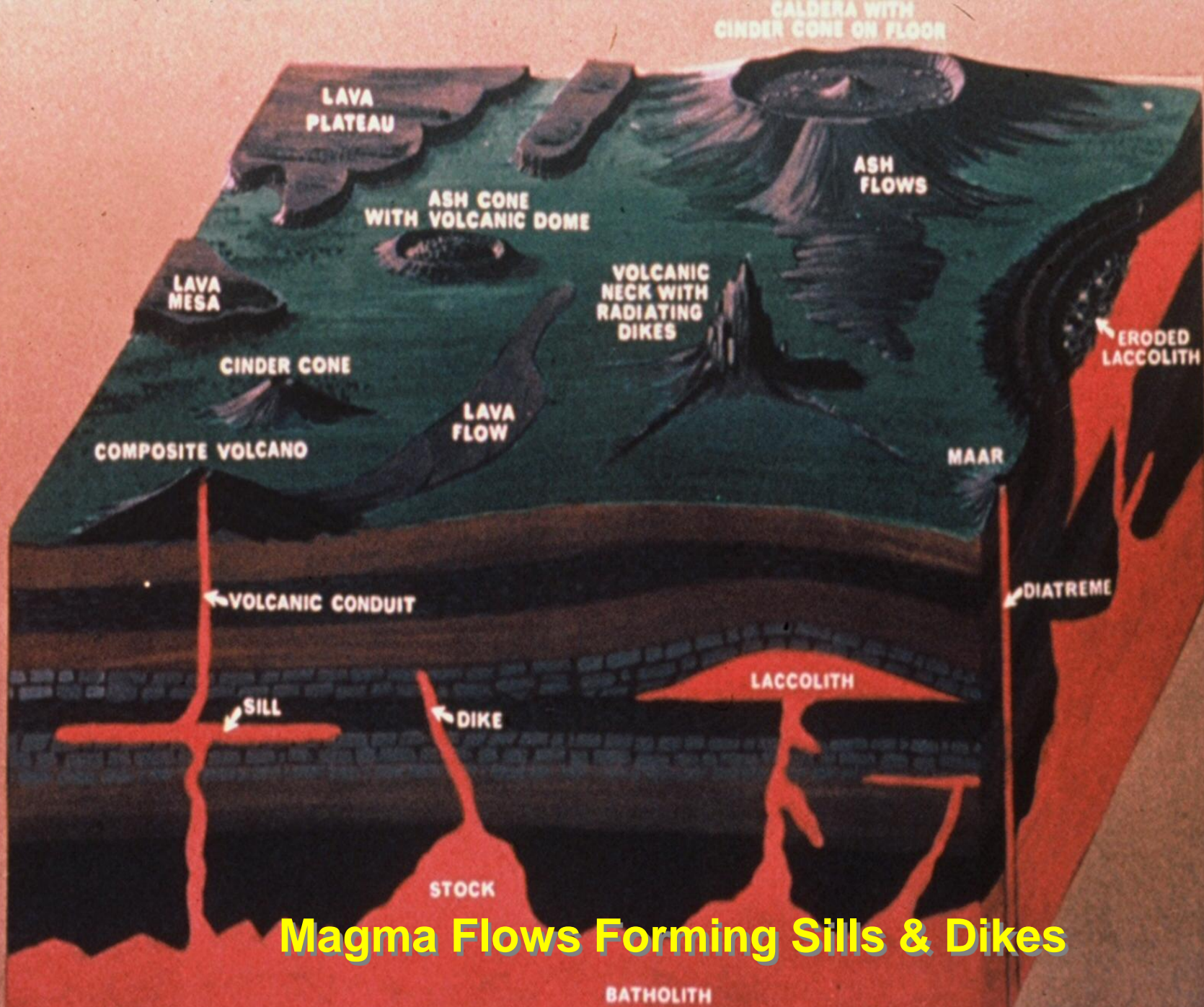


TIME = 6.002E+01 DAYS  
DEPTH = 1.000E+02 KM  
VIEW FROM THE SOUTH POLE  
MAXIMUM VELOCITY = 1.057E+00 M/SEC





**Mid-ocean Ridges in Light Blue**



**Magma Flows Forming Sills & Dikes**

**Rock lifted and deformed while still plastic**



# Sediment Transport Mechanisms

Tidal Waves

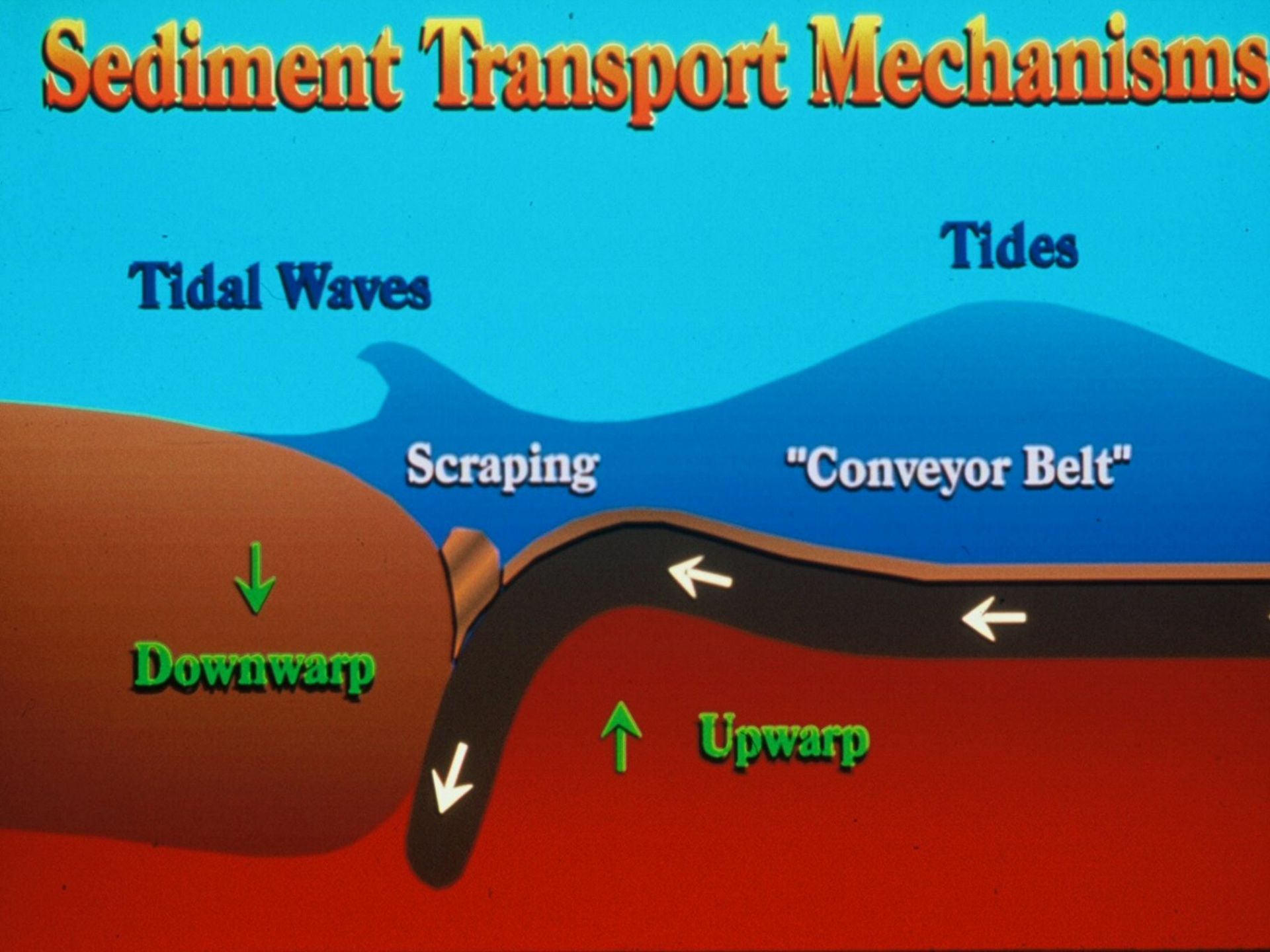
Tides

Scraping

"Conveyor Belt"

Downwarp

Upwarp



**”... the waters retreated from  
the earth, going and retreating...**

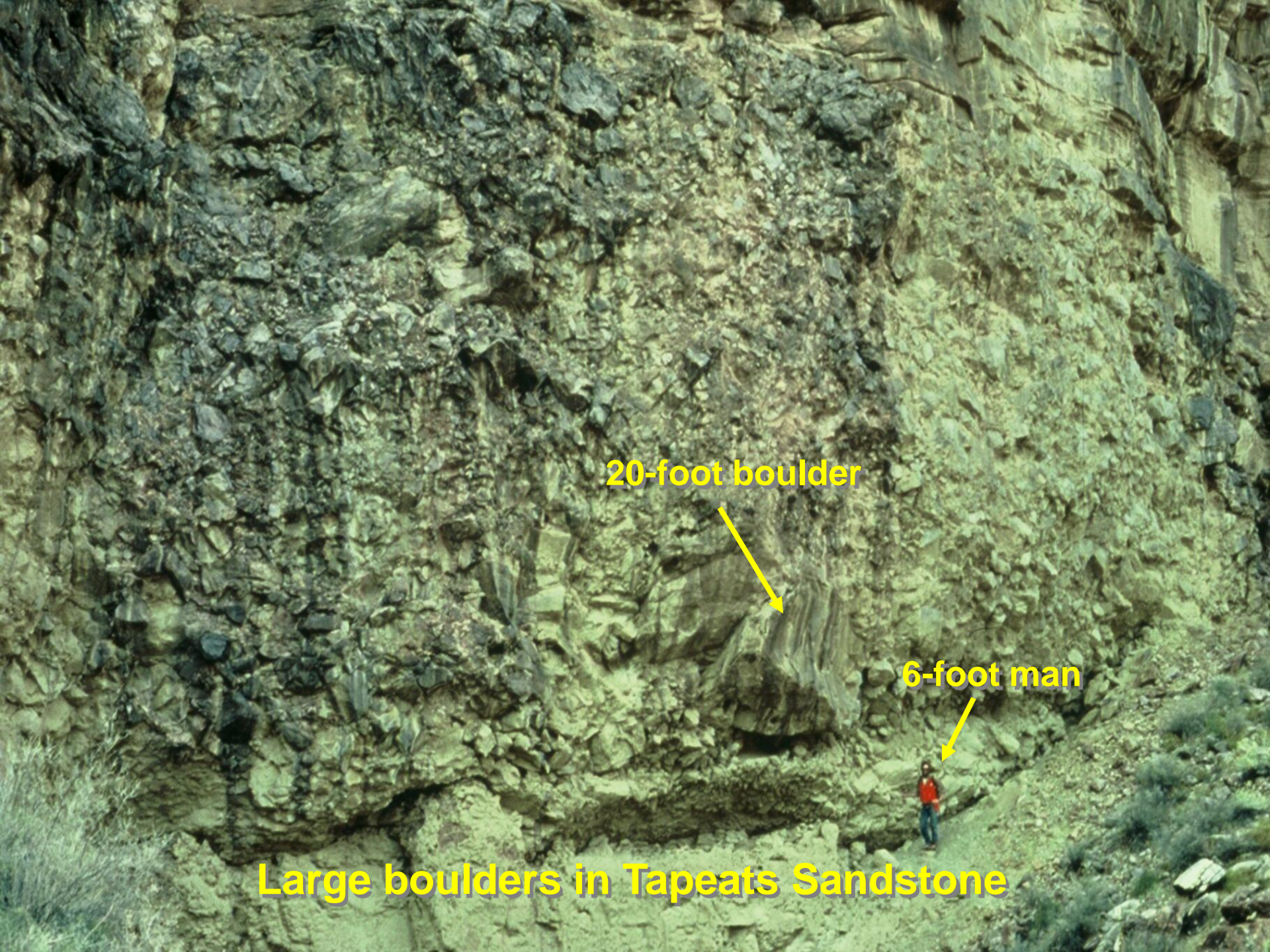
**And the waters were going and  
falling until the tenth month...”**

**(Genesis 8:3a,5a; King James Version II)**



**Sandstone with crossbedding in Utah**





**20-foot boulder**



**6-foot man**



**Large boulders in Tapeats Sandstone**



**Tapeats Sandstone**

0 200  
|  
miles



**Coal Mine in Pennsylvania**



Dinosaur National Monument



**Stratified Layers of Clams**





**Grand Canyon: Planar erosion above, downcutting below**

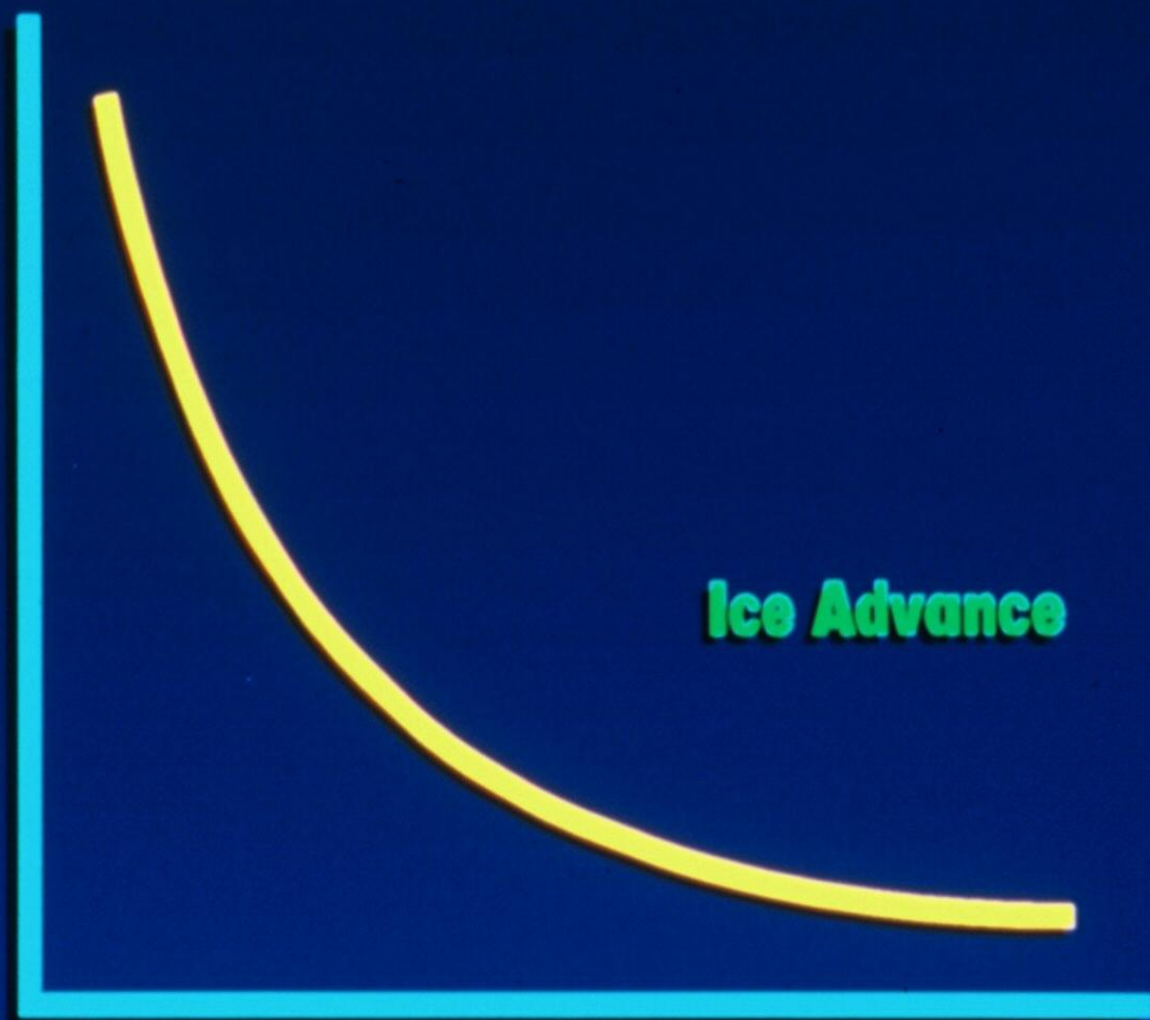


**Marble Canyon: Side canyon erosion**



# Post-Flood World

**Geologic Intensity**  
or  
**Ave. Temperature**  
or  
**Temp. Extremes**  
or  
**Precipitation**

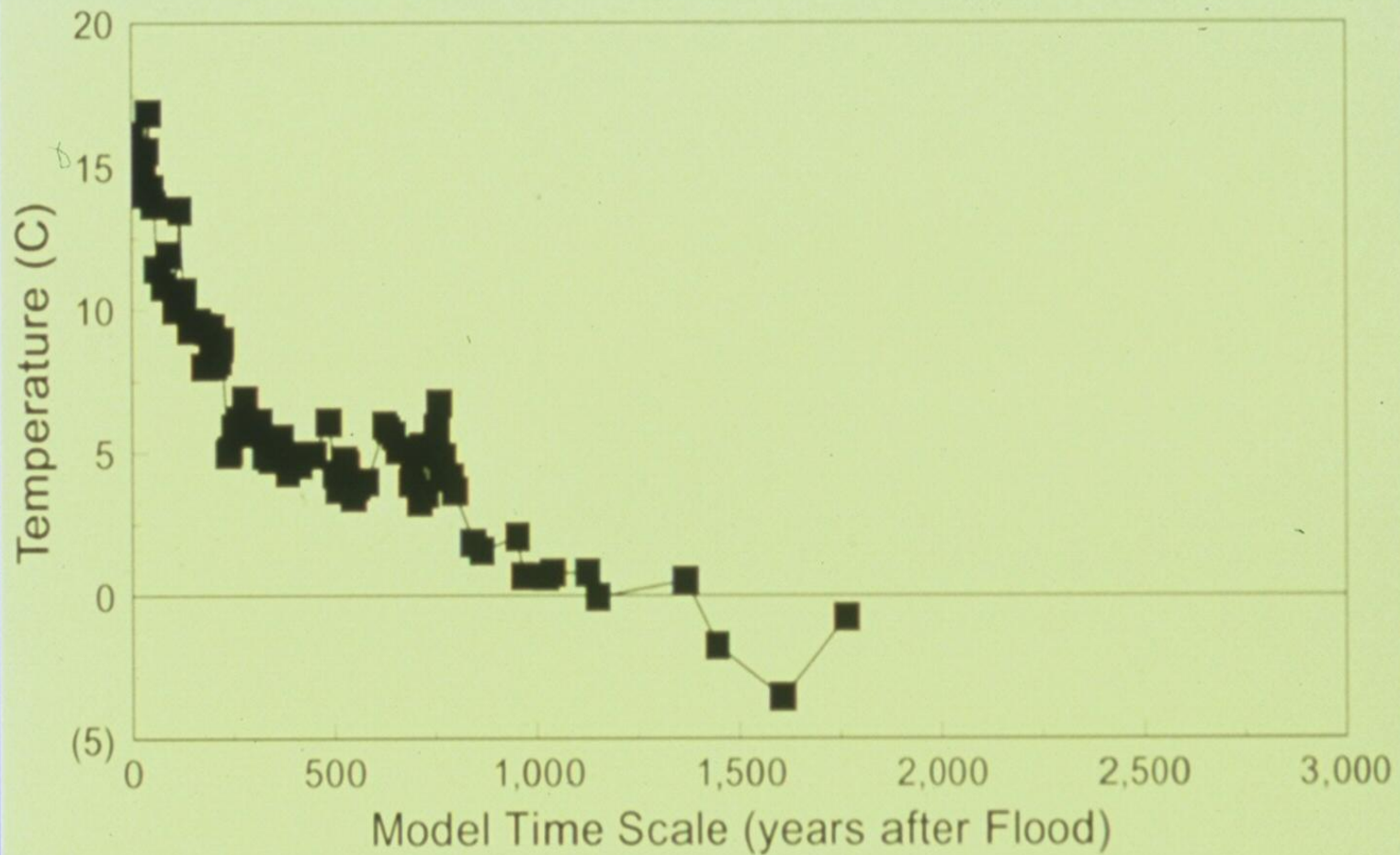


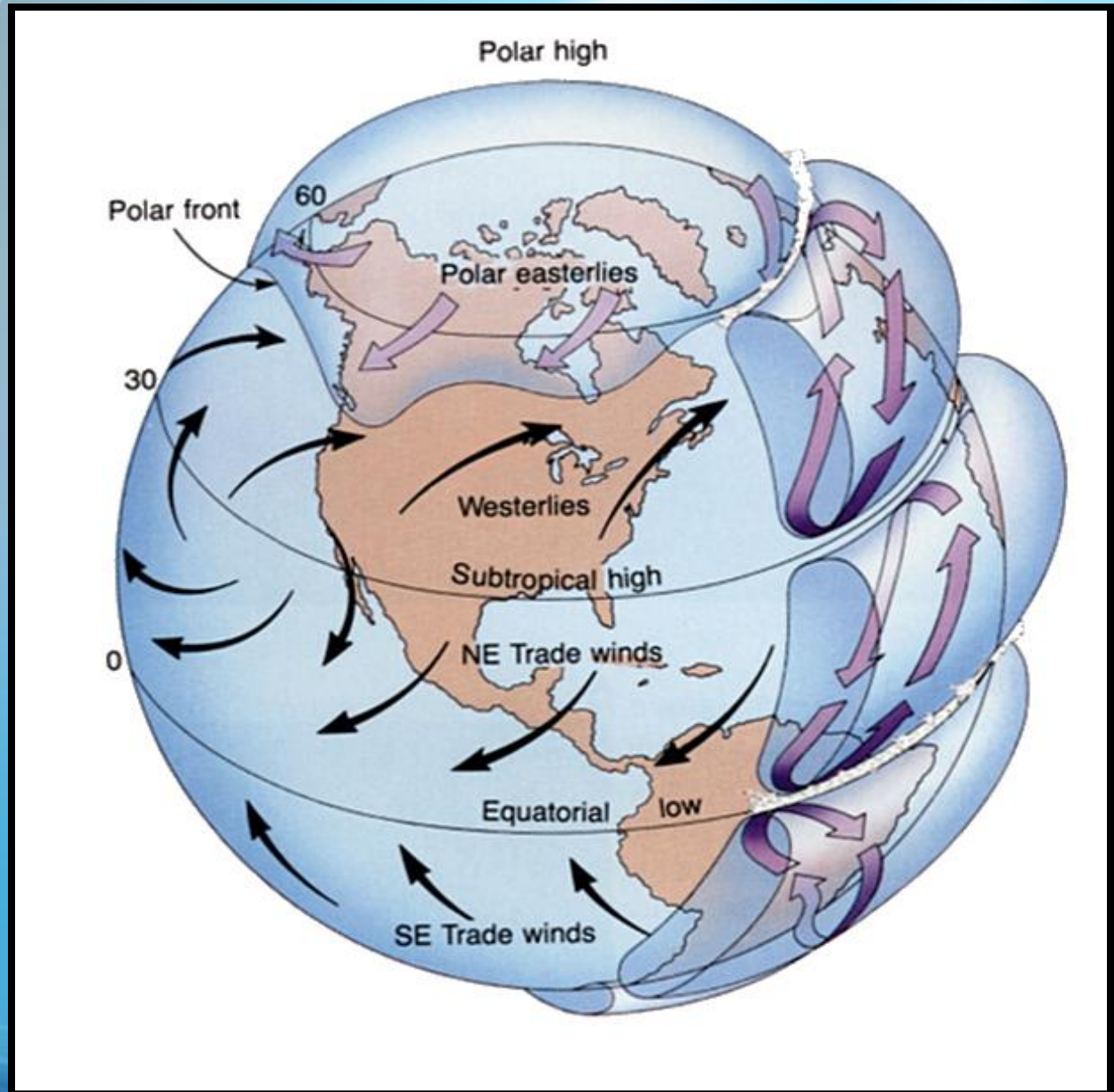
**End of Flood**

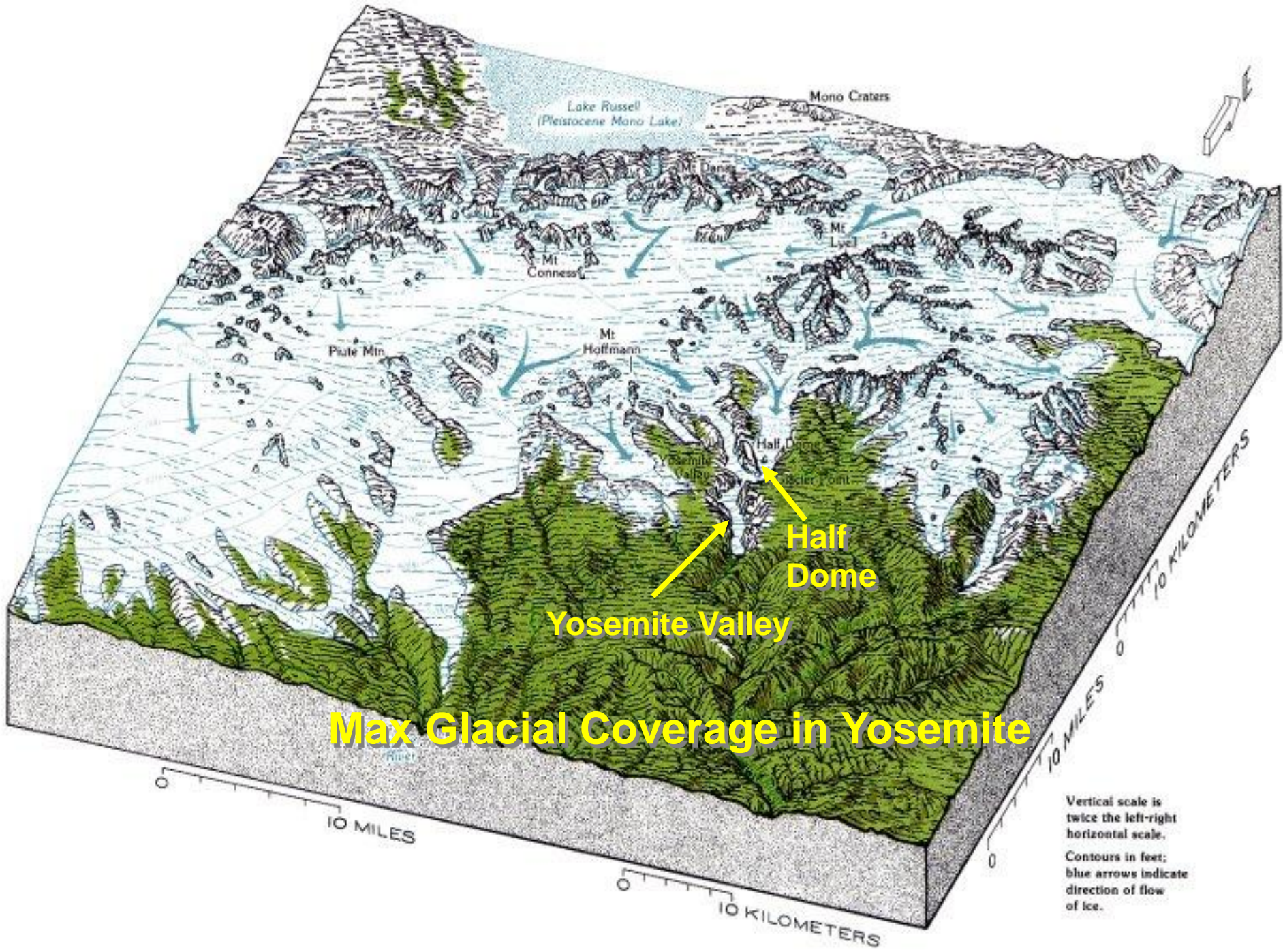
**Present**

**Ice Advance**

# Cooling of the Oceans During the Post-Flood Period







**Max Glacial Coverage in Yosemite**

Vertical scale is twice the left-right horizontal scale.  
Contours in feet;  
blue arrows indicate direction of flow of ice.



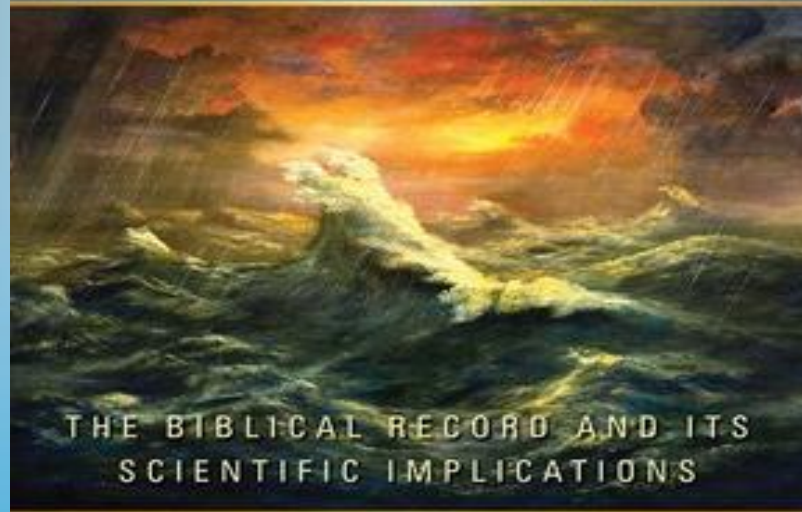
**Glacial Yosemite Valley**

# Equilibrium today awaiting the Lord's return

- Very small continent movements
- Few large earthquakes
- Few large volcanic eruptions
- Stable ocean levels & temps
- Minimum ice sheets & glaciers
- Minor climate fluctuations

50TH ANNIVERSARY EDITION

# THE GENESIS FLOOD

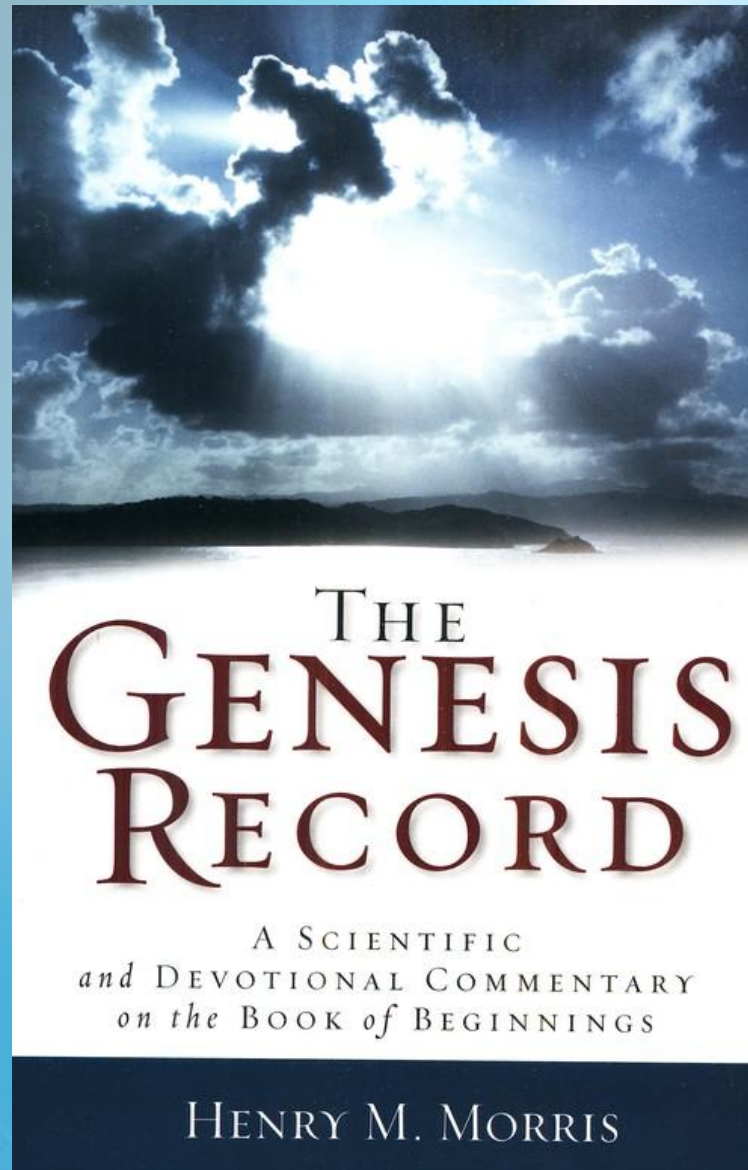


THE BIBLICAL RECORD AND ITS  
SCIENTIFIC IMPLICATIONS

JOHN C. WHITCOMB  
AND  
HENRY M. MORRIS

*"One of the most important books of the past century." — John MacArthur*

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# THE YOUNG EARTH

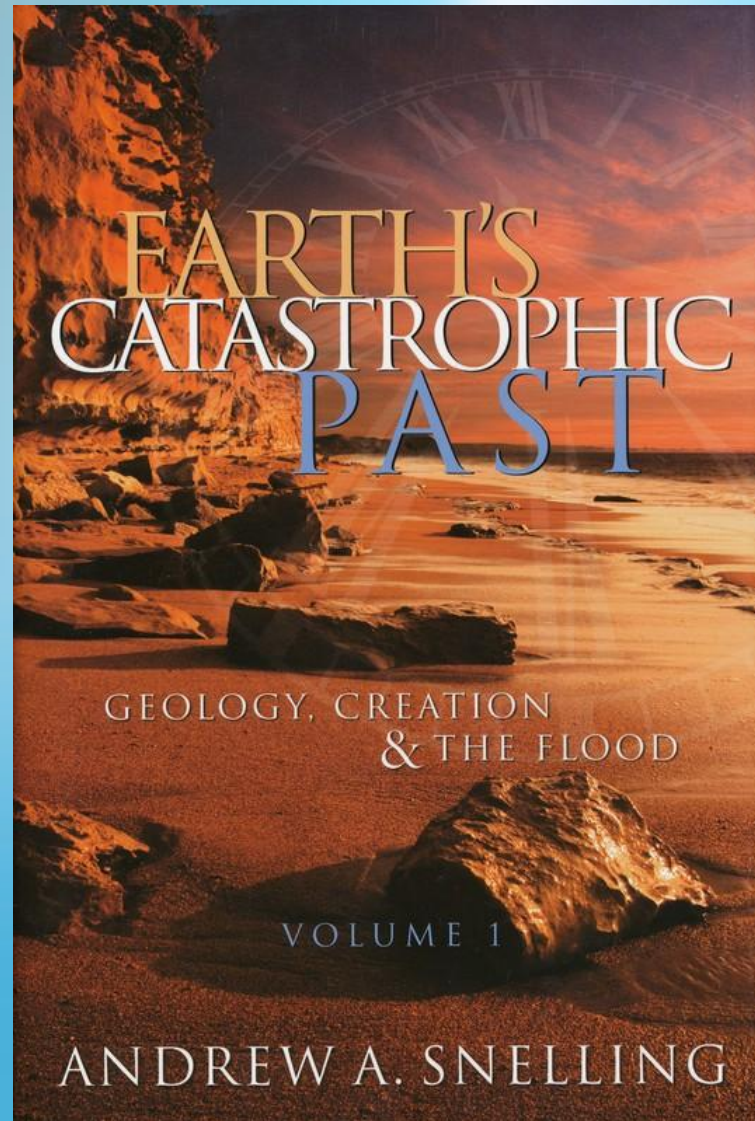
*The Real History of the Earth – Past, Present, and Future*

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# THOUSANDS... NOT BILLIONS

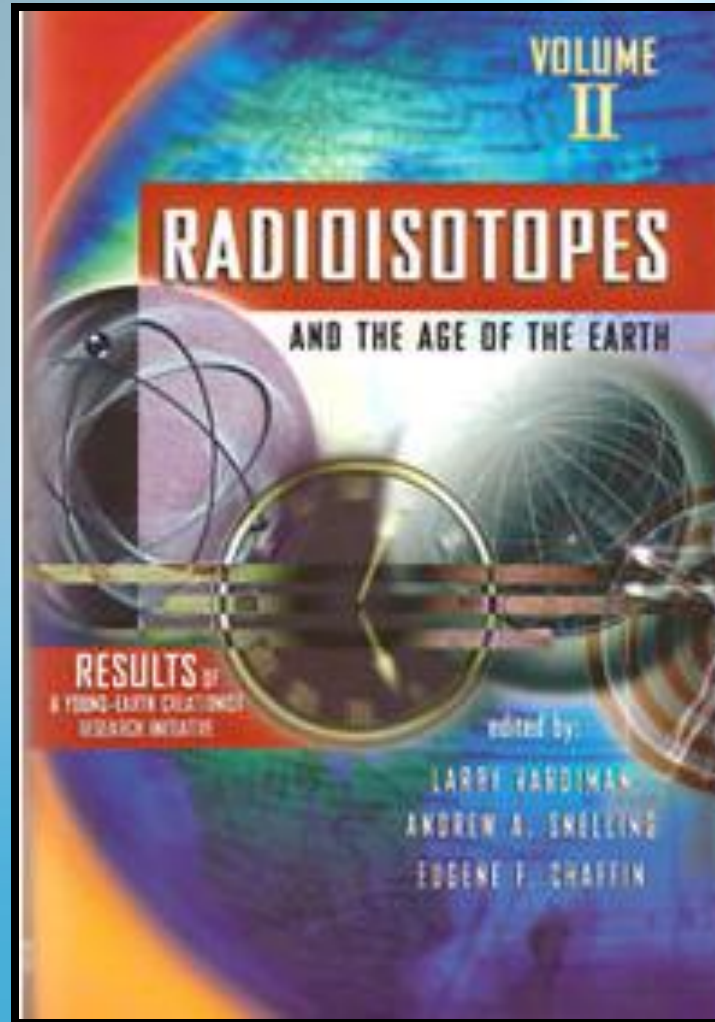


Challenging an Icon of Evolution

Questioning the Age of the Earth

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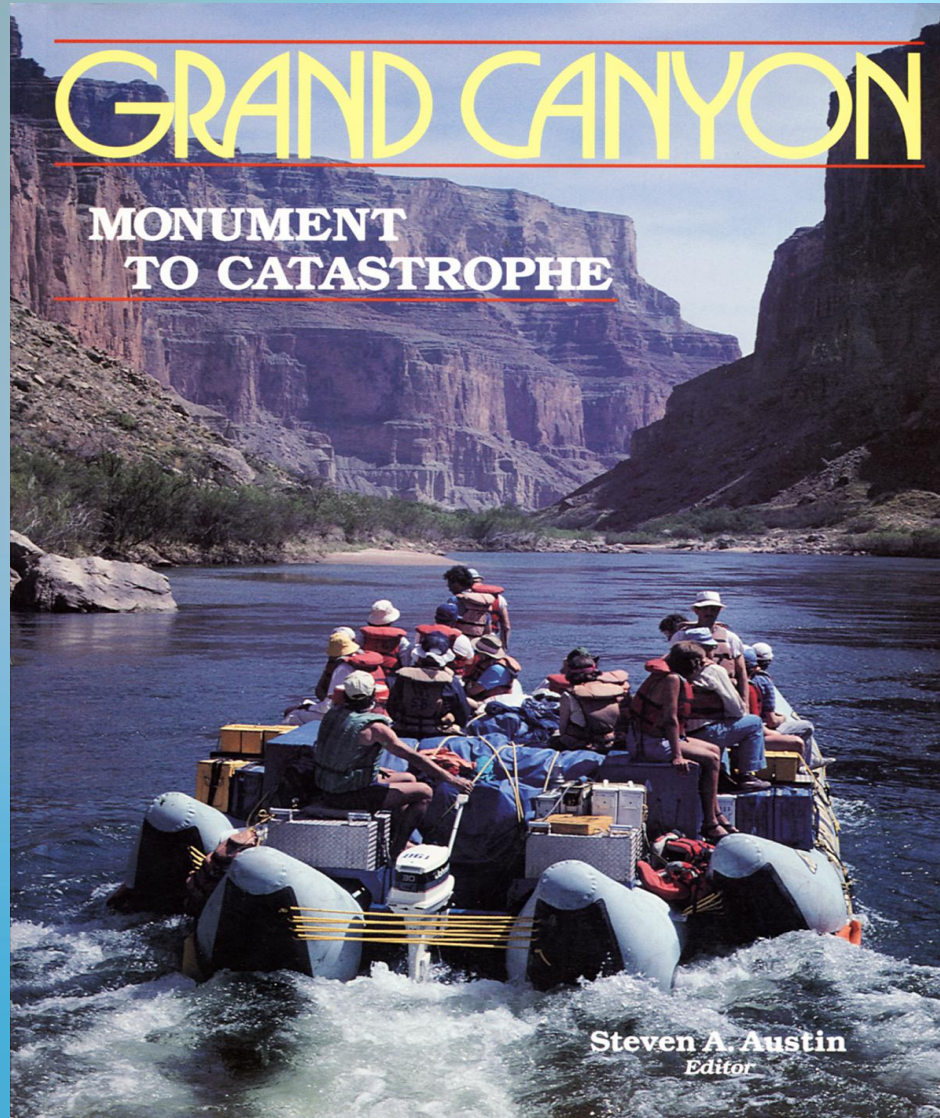
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<http://www.amazon.com>

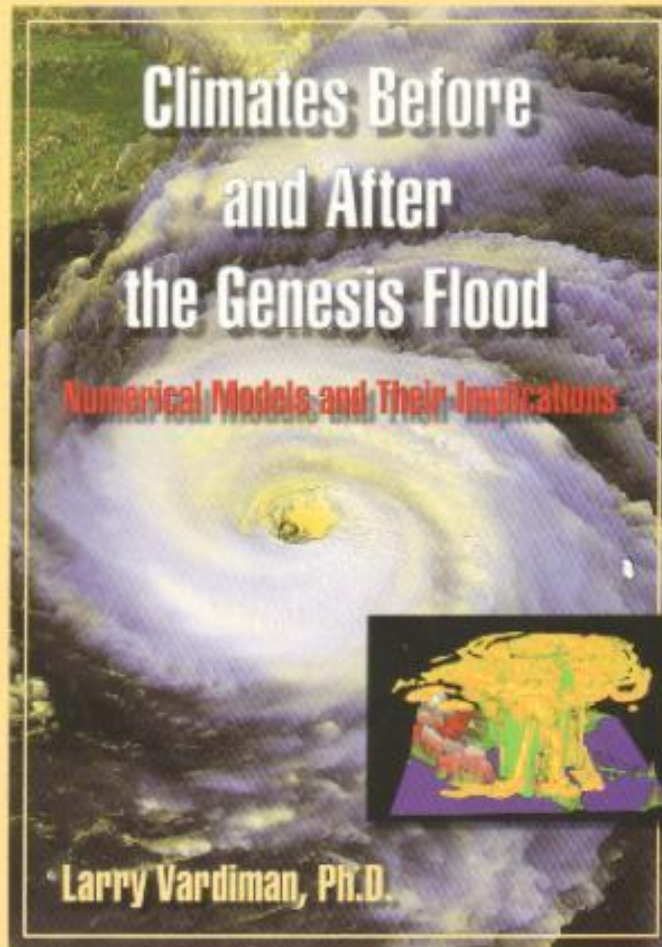
# GRAND CANYON

## MONUMENT TO CATASTROPHE



Steven A. Austin  
*Editor*

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