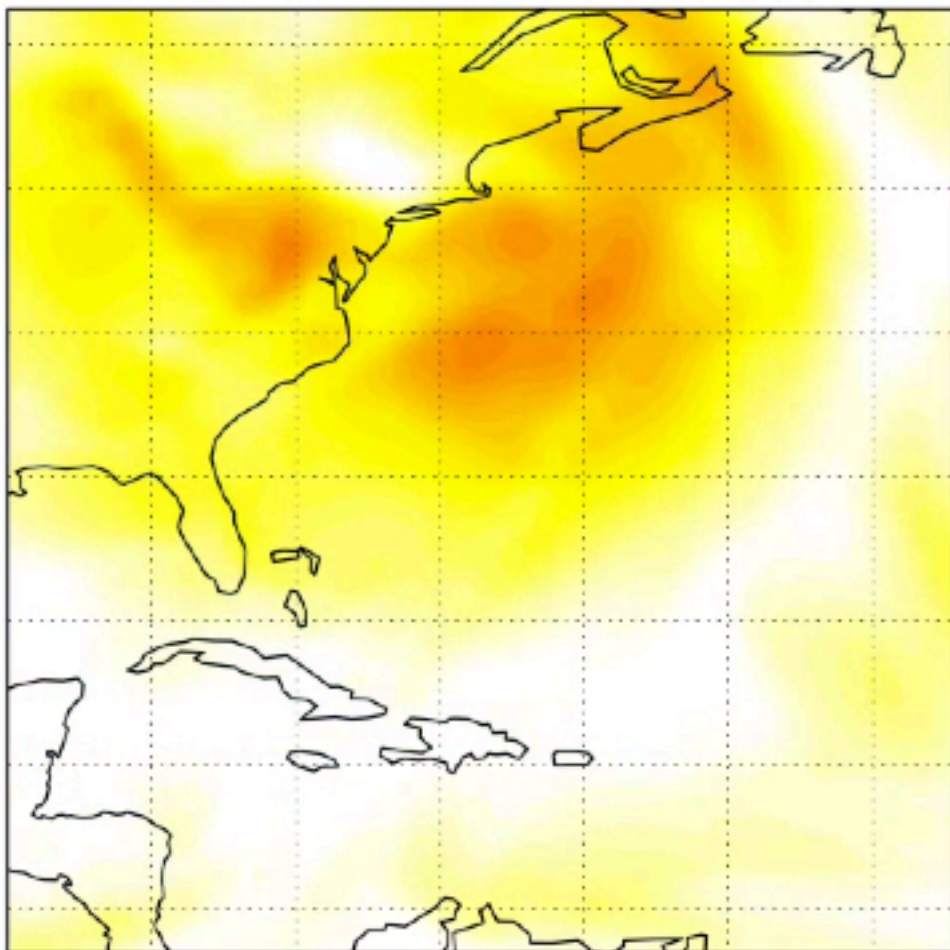
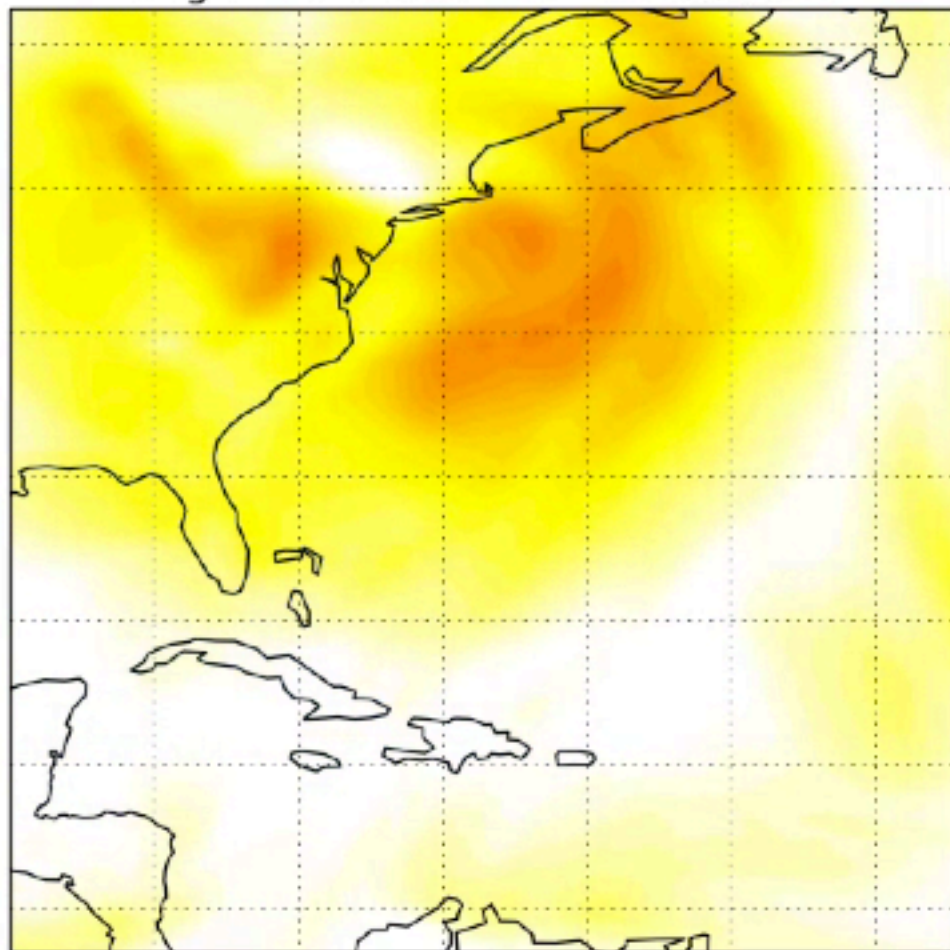


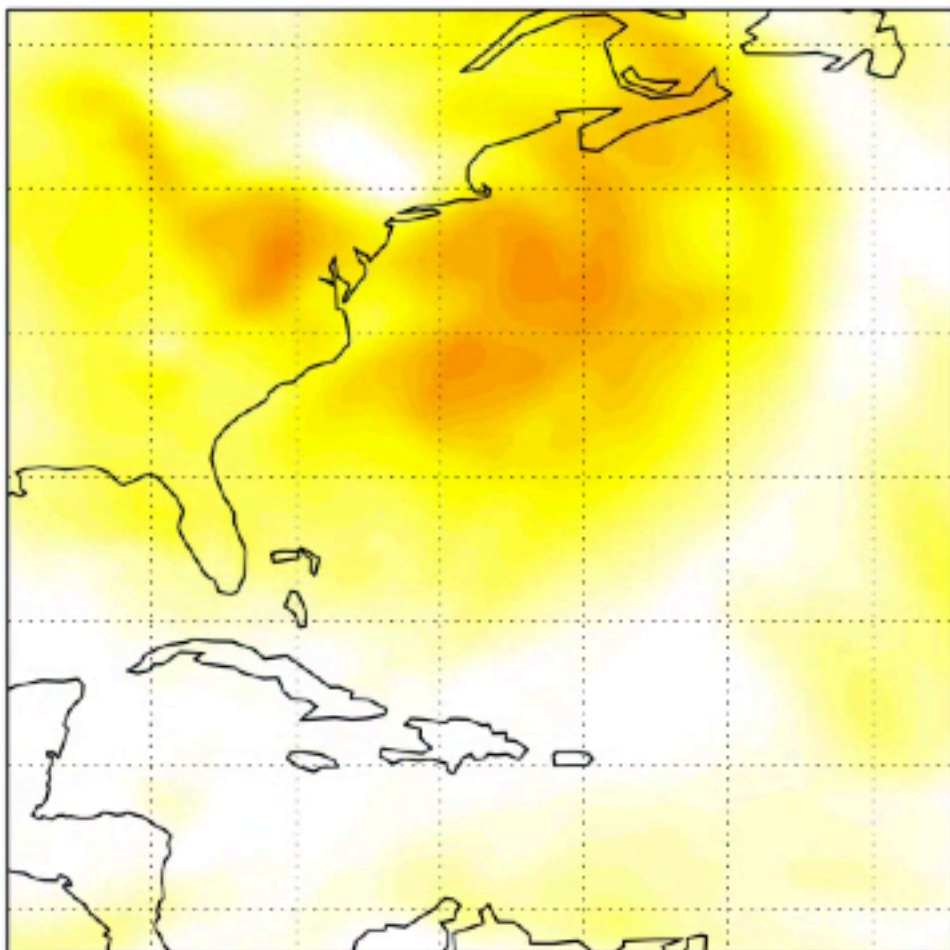
Double - 52 SBITS: 2012-10-31 21:00



Single - 23 SBITS: 2012-10-31 21:00



8 SBITS: 2012-10-31 21:00

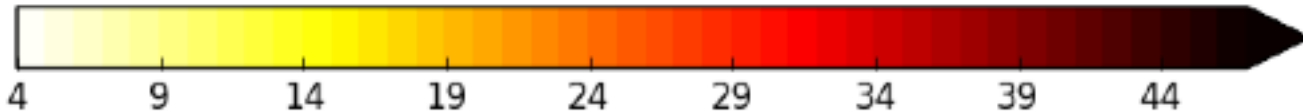


Hurricane Sandy

27/10/12 00:00

850hP wind speed

T255L91 ~ 80km



Wind speed (m/s)

... so 8 significant bits is the answer?

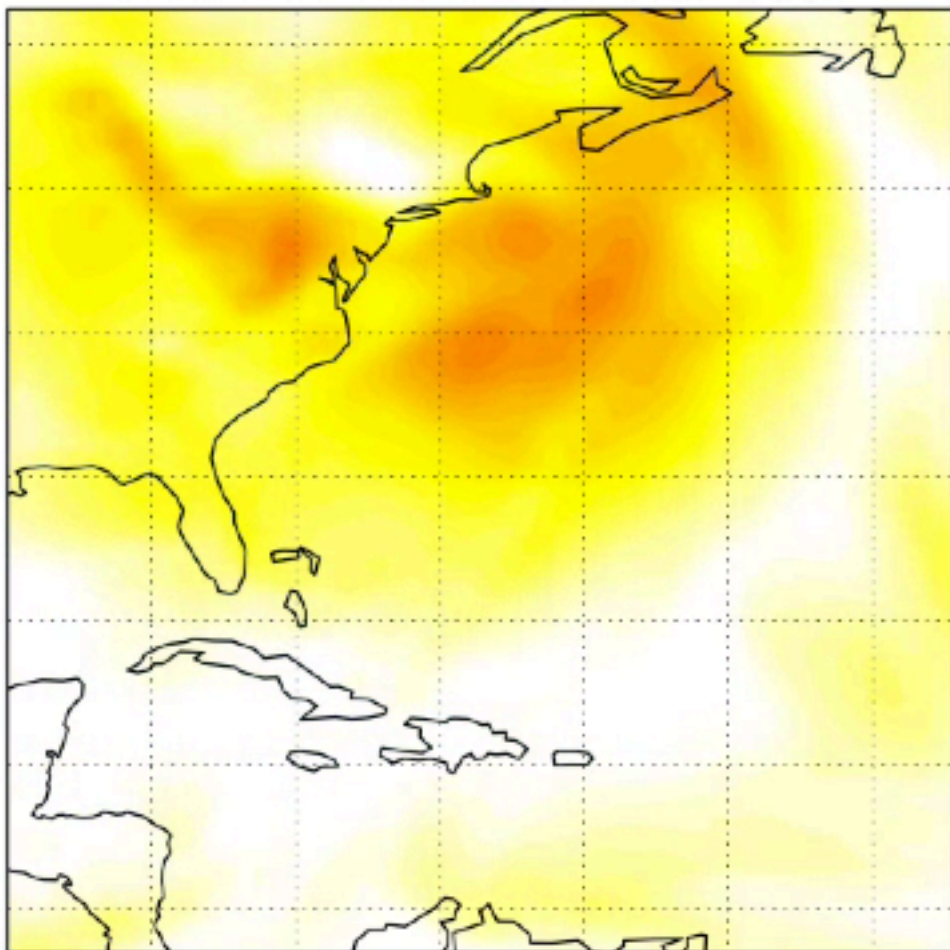
Double
precision

8

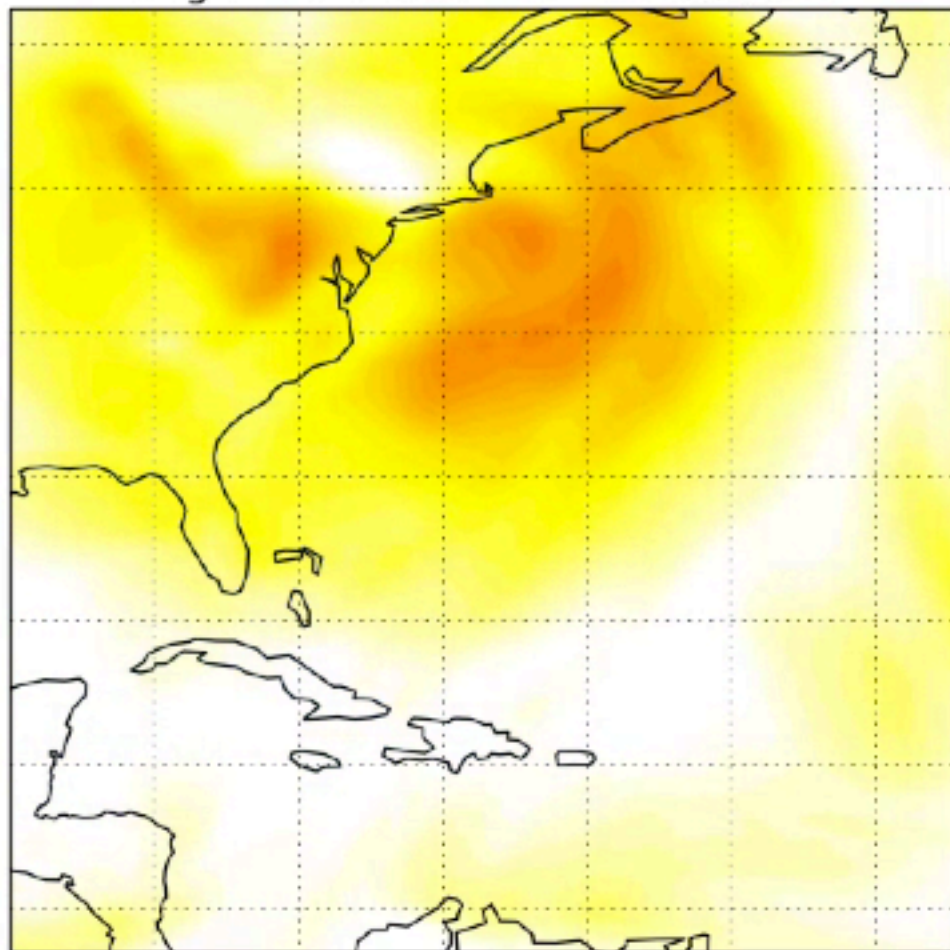
significant
bits

Single
precision

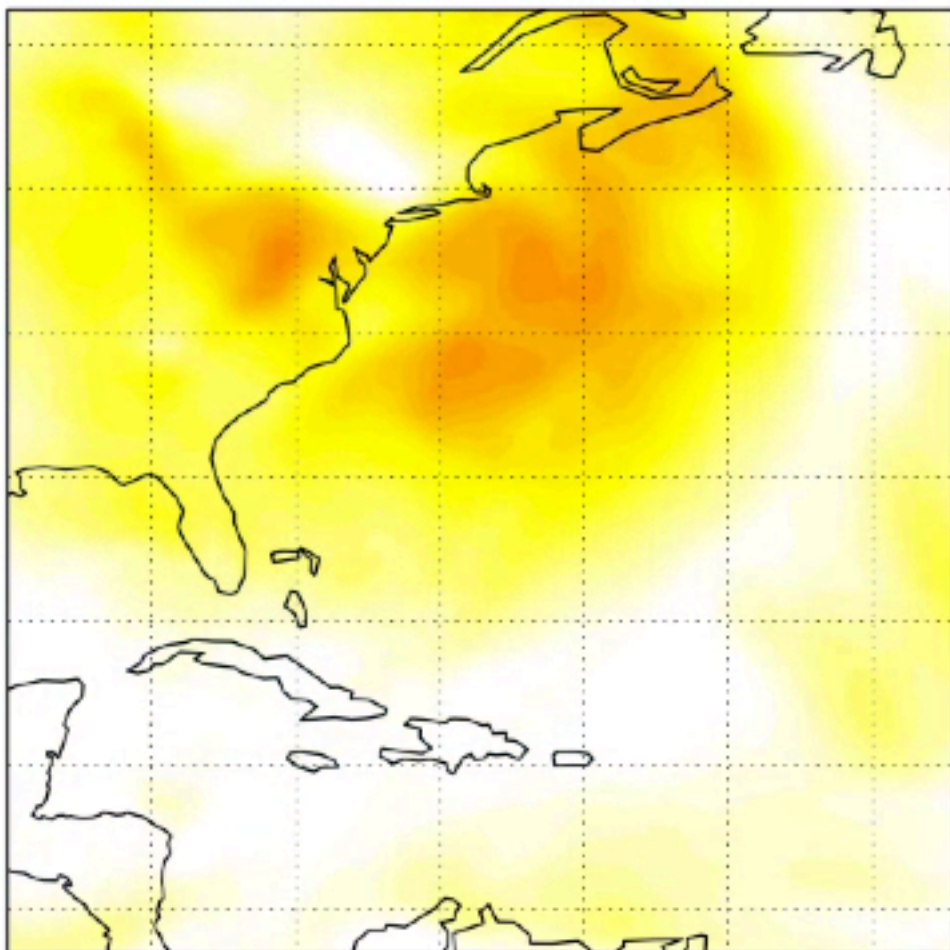
Double - 52 SBITS: 2012-10-31 21:00



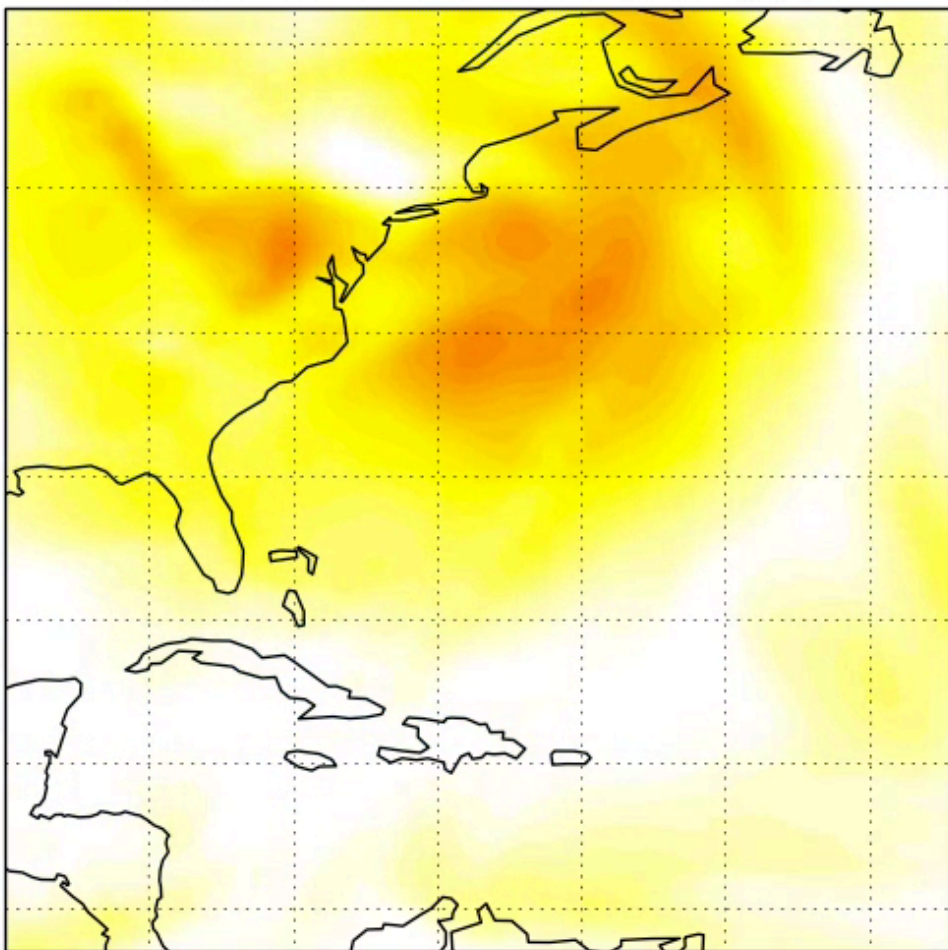
Single - 23 SBITS: 2012-10-31 21:00



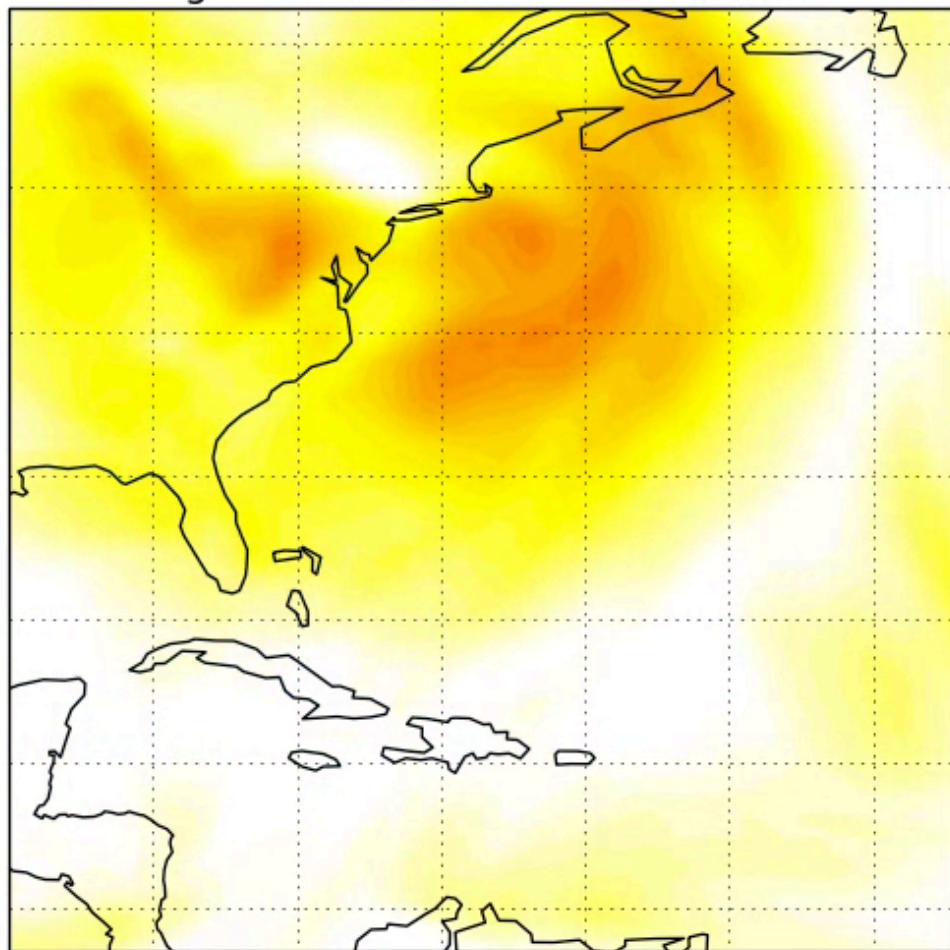
8 SBITS: 2012-10-31 21:00



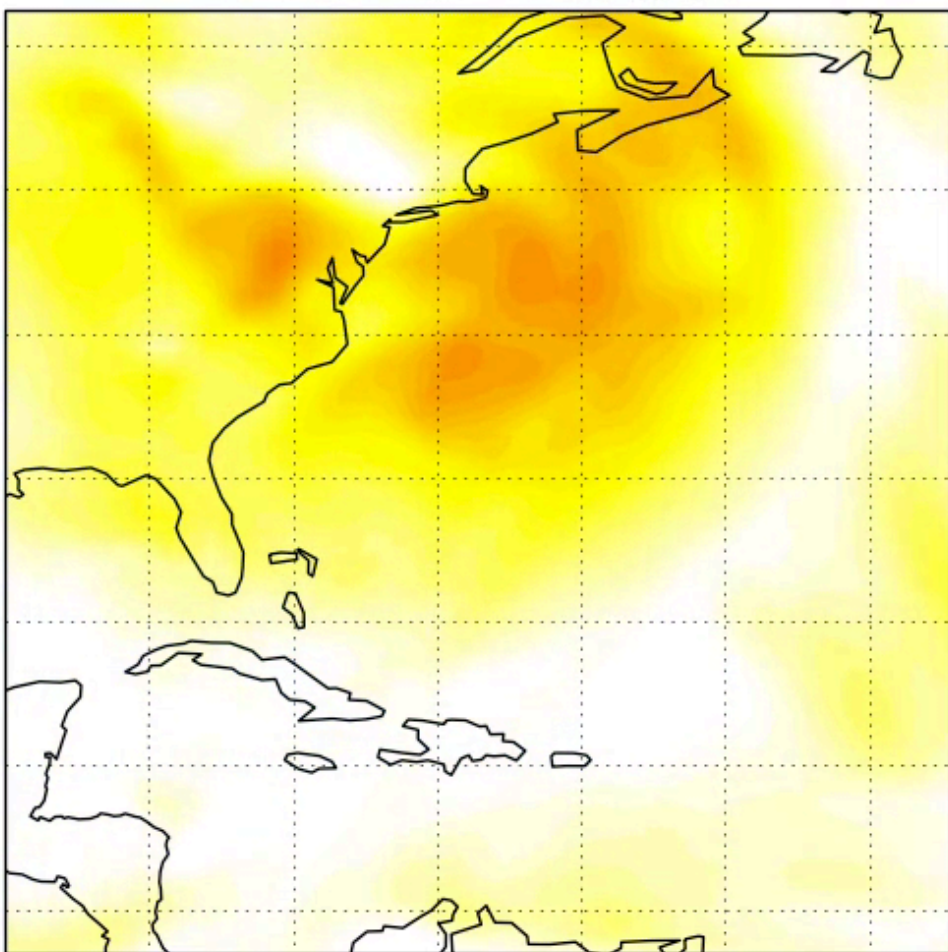
Double - 52 SBITS: 2012-10-31 21:00



Single - 23 SBITS: 2012-10-31 21:00



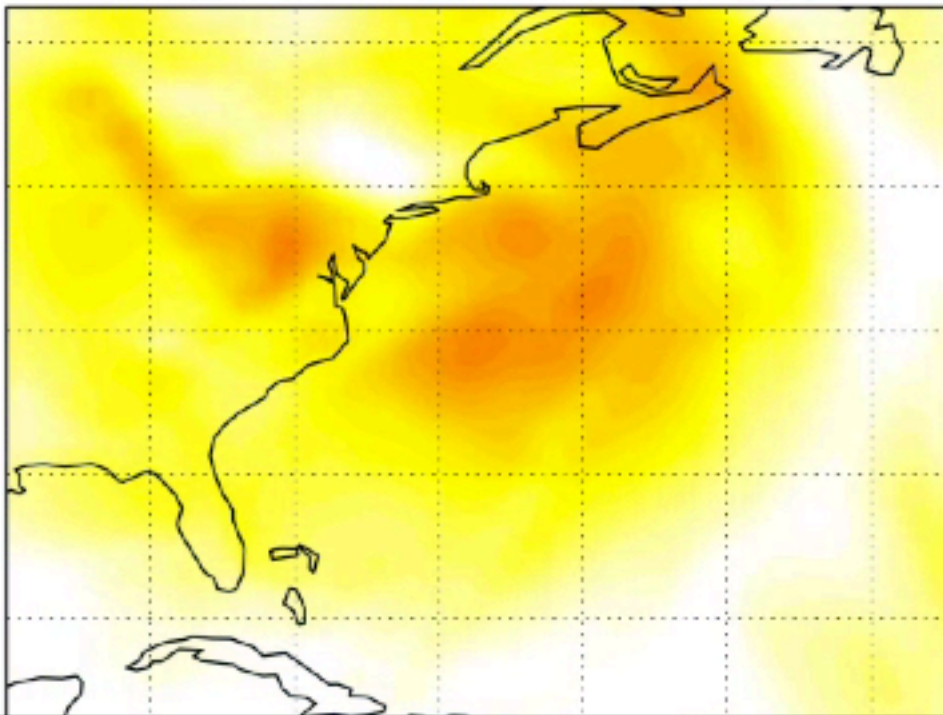
8 SBITS: 2012-10-31 21:00



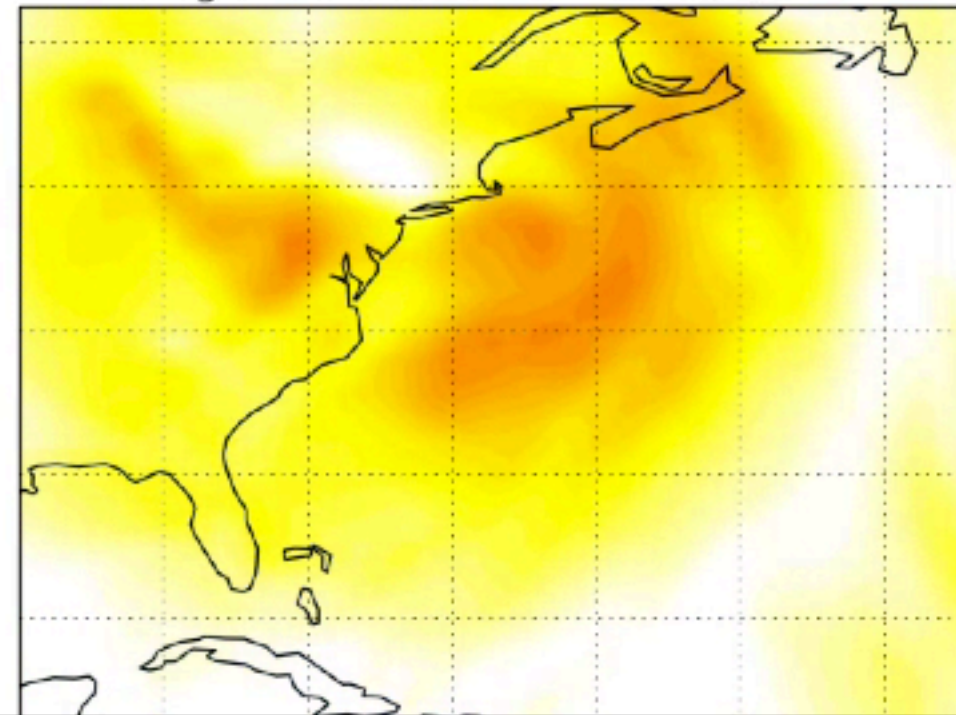
Double - 52 SBITS: 2012-10-31 21:00

Single - 23 SBITS: 2012-10-31 21:00

Double
precision

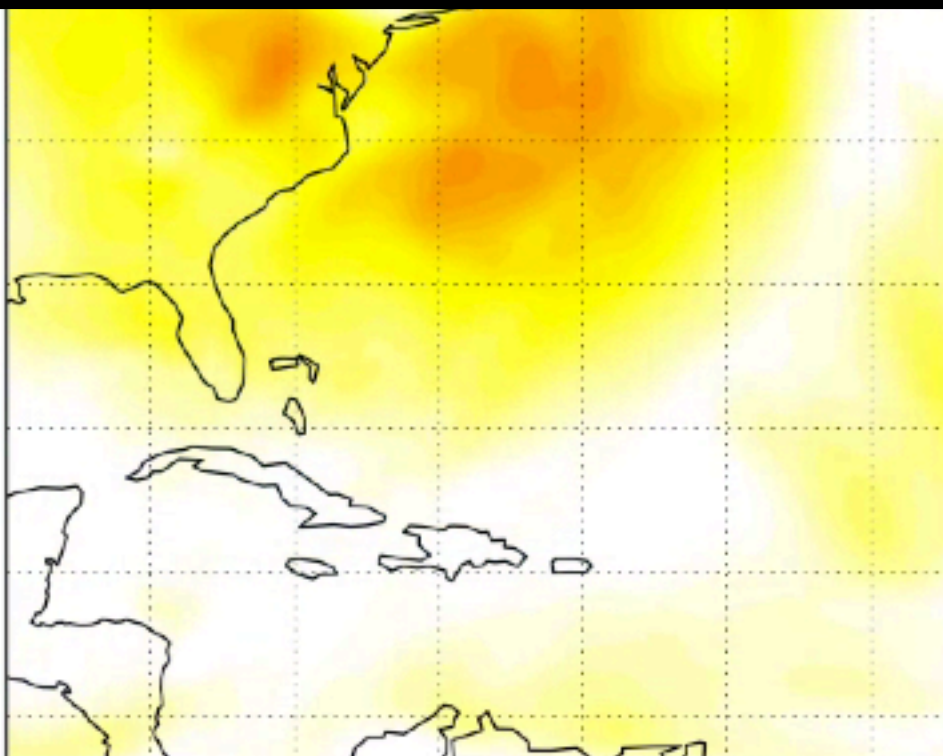


Single
precision



... so 8 significand bits is the answer?

8
significand
bits

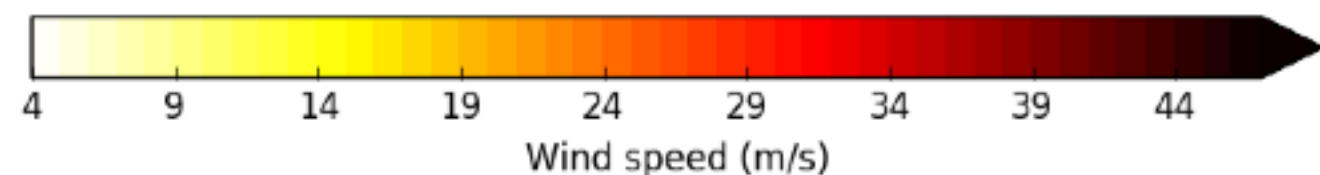


Hurricane Sandy

27/10/12 00:00

850hP wind speed

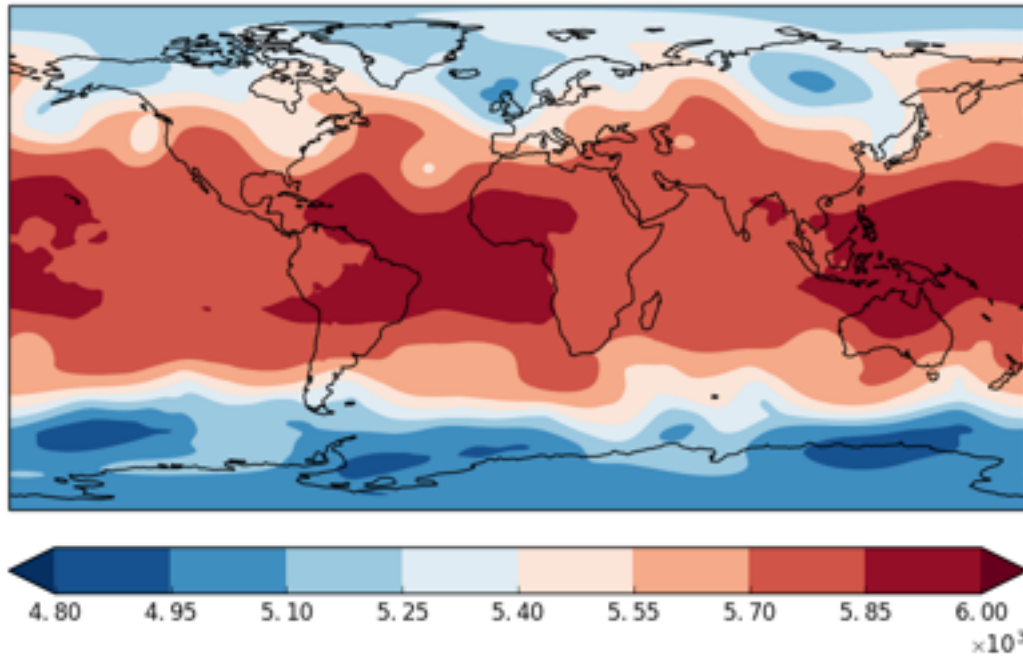
T255L91 ~ 80km



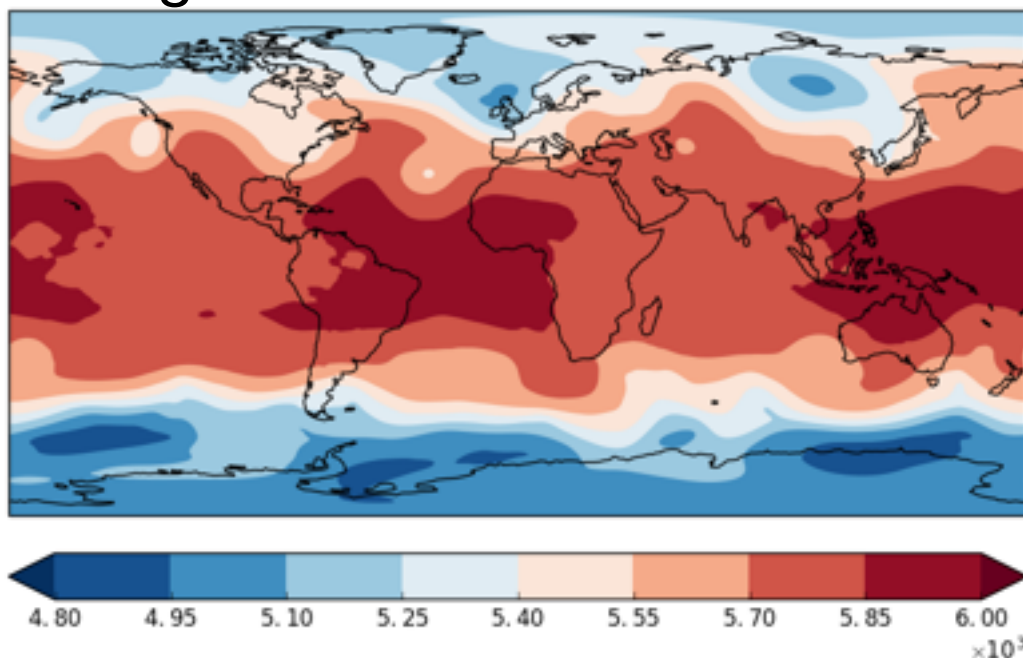
No need for scale-selectivity?

Z500hP after 120hours

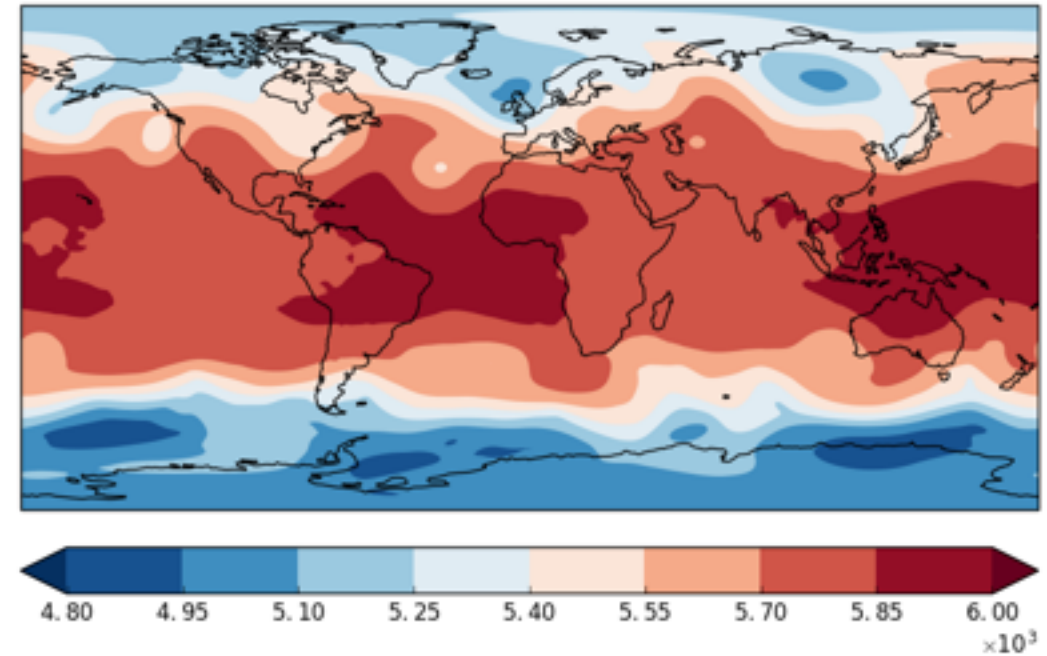
Double precision (52 sbits)



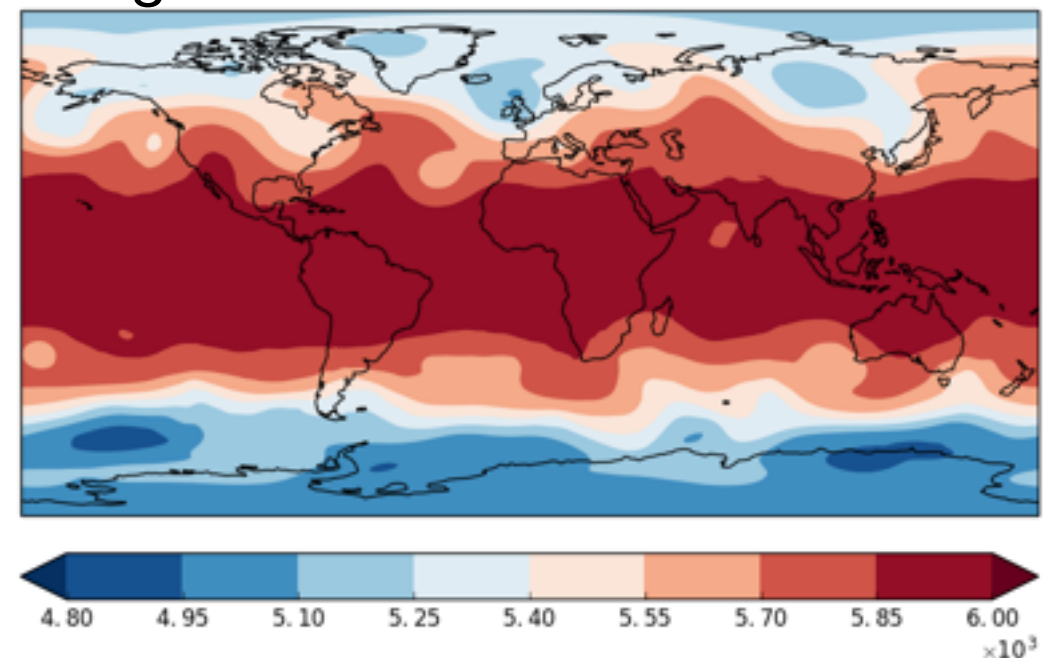
16 significand bits



Single precision (23 sbits)



8 significand bits



Poor global skill in uniform 8 sbits.