INTRODUCTION

METHODOLOGY

The aim is to create a set of CVD friendly colormaps which will be implemented in pyart graph.cm [2].

A repository for this work was created here:


A set of criteria for different radar variables are considered good.

Radar reflectivity factor (ZDR) is a decreased ability to discern between particular colors.

8% of men and 0.4% of women have some form of CVD. An internet poll of AMS and ARM before followers yielded 10% of 90 respondents self identifying as having CVD.


The figures to the right show viscm output for the ARM C-SAPR during MC3E [4] and a Pyro-Cumulonimbus storm in Oklahoma observed by the ARM C-Band radar during MC3E [4] and a Pyro-Cumulonimbus storm in Oklahoma observed by the ARM C-Band radar during MC3E.

Each colormap was modified for easier discrimination. We also re-optimized and prototyped the python viscm [3] package.

The nyquist jump. Balance is near perfect in perceptual uniformity but is poor at highlighting the Mallard Fire Pyro-Cumulonimbus.

The NWS velocity colormap is bad in both perceptual uniformity and projects well into Deuteranomaly space.

The existing Lang Rainbow colormap is an example of a bad colormap.

The NWS reflectivity colormap is far better than the terrible NWS colormap.

The NWS velocity colormap is bad in both perceptual uniformity and projects well into Deuteranomaly space.

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