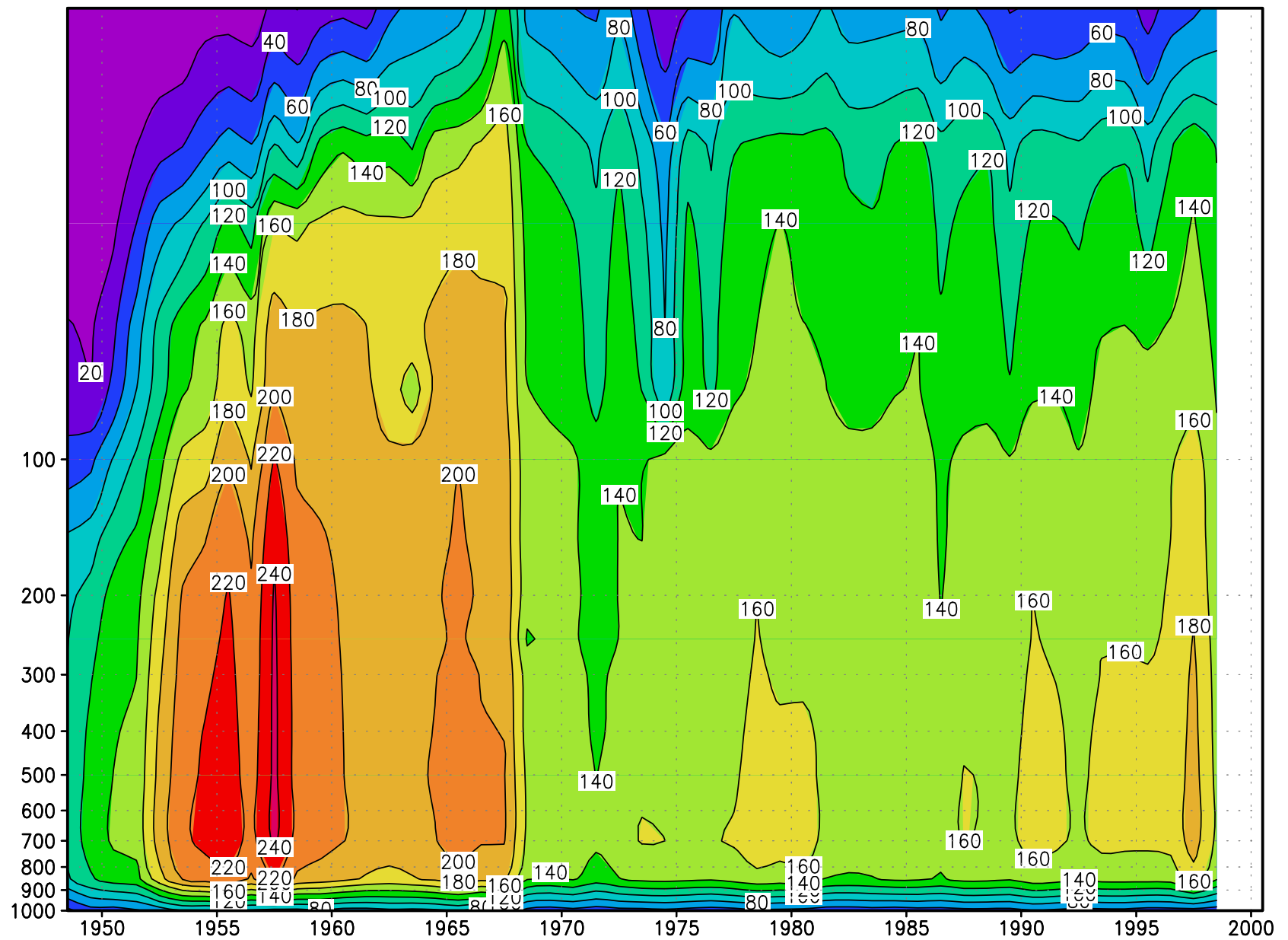


RADIOSONDE AGREEMENT WITH THE NCEP/NCAR REANALYSIS in the U.S.

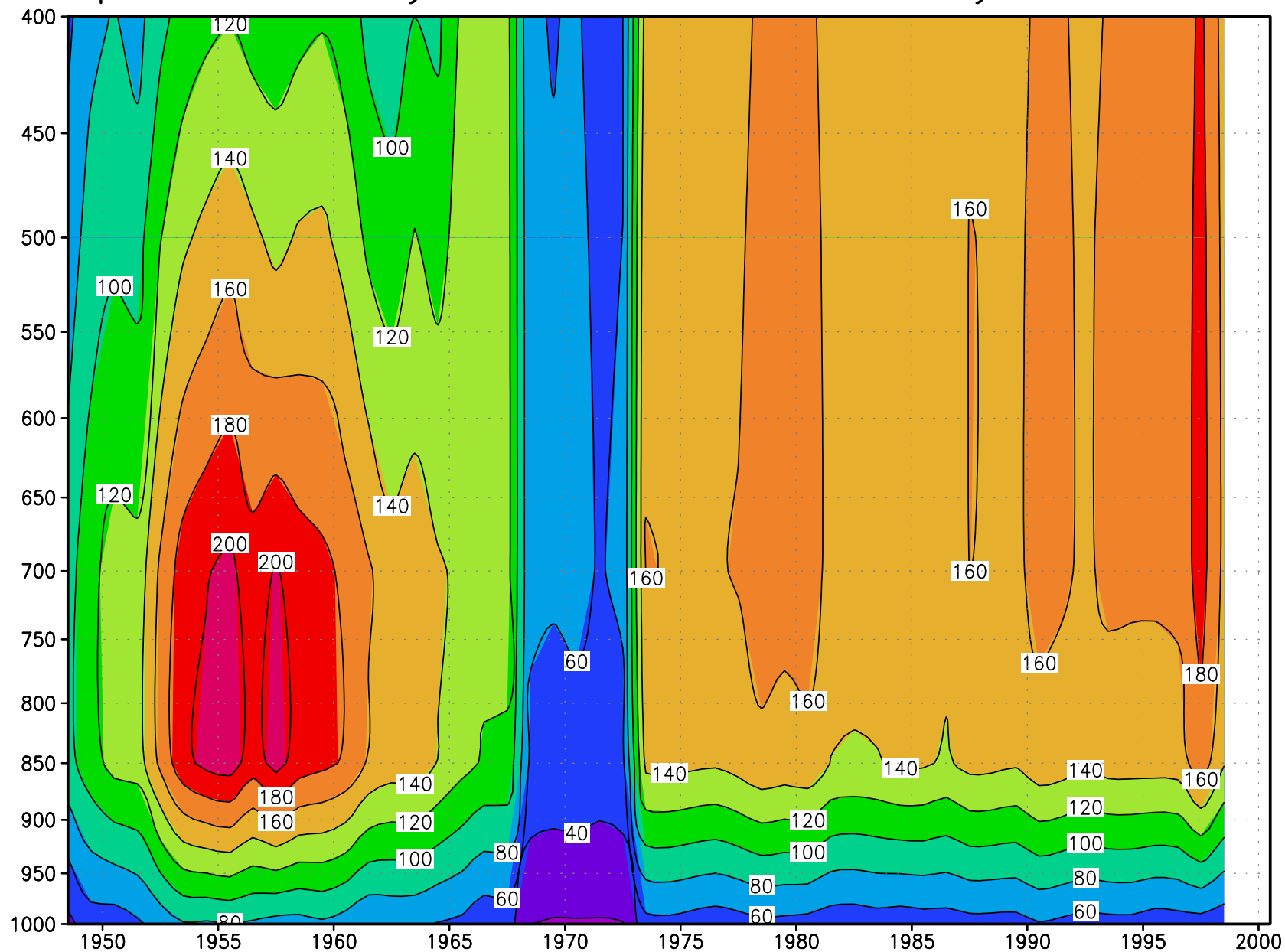
1948-1999

John S. Woollen
General Sciences Corporation
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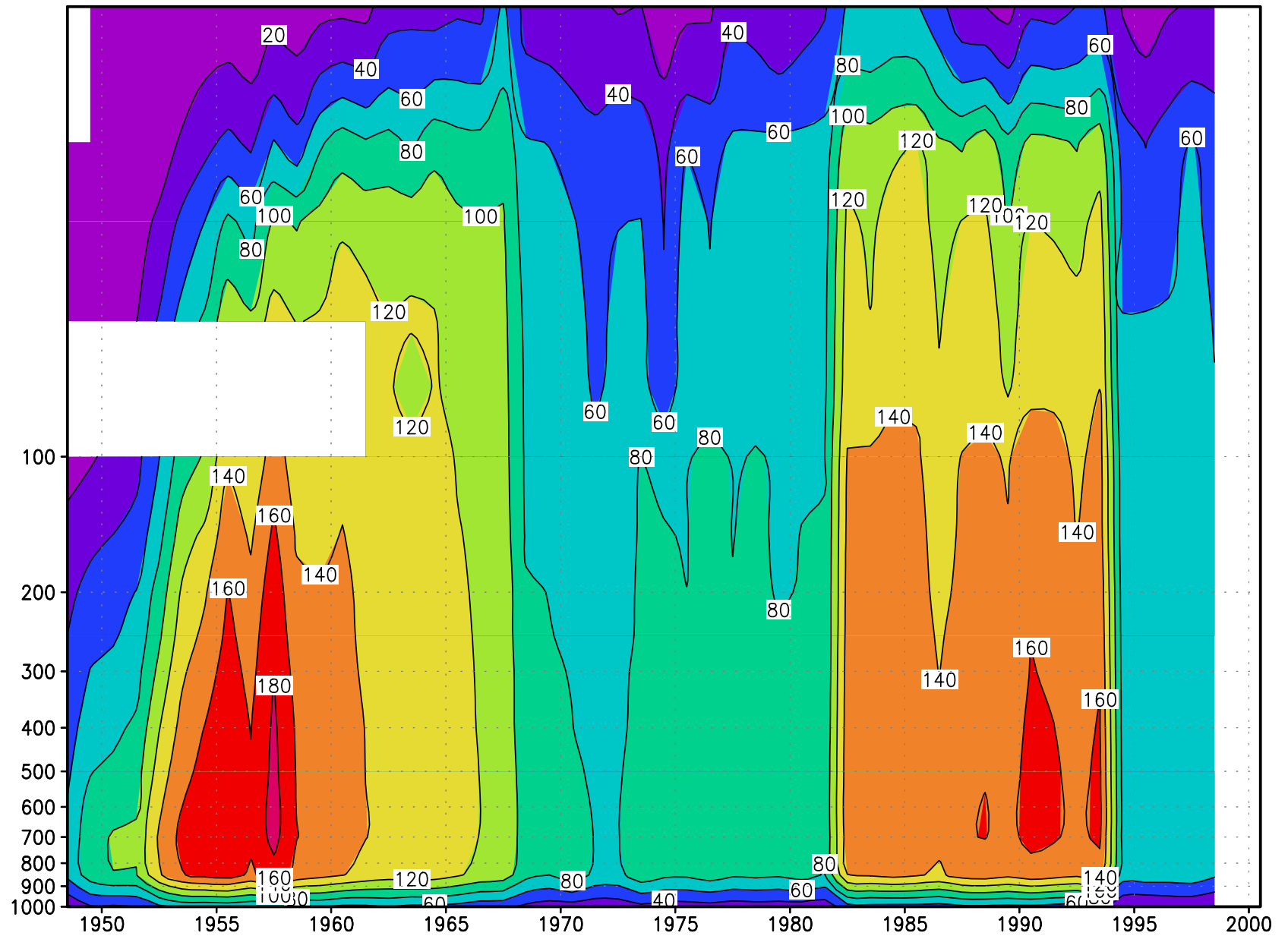
Temperature observation count in July 1948–1999



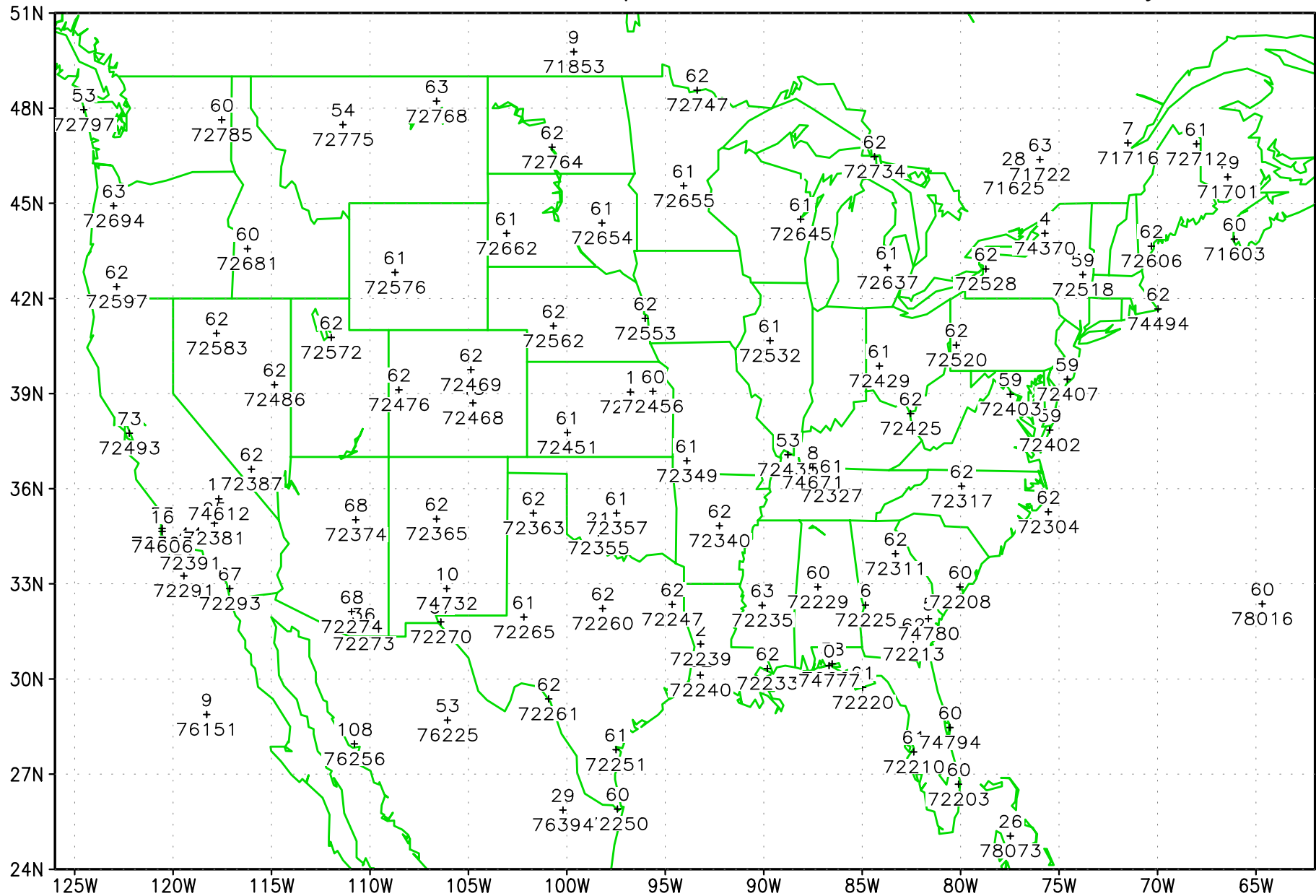
Specific humidity observation count in July 1948–1999



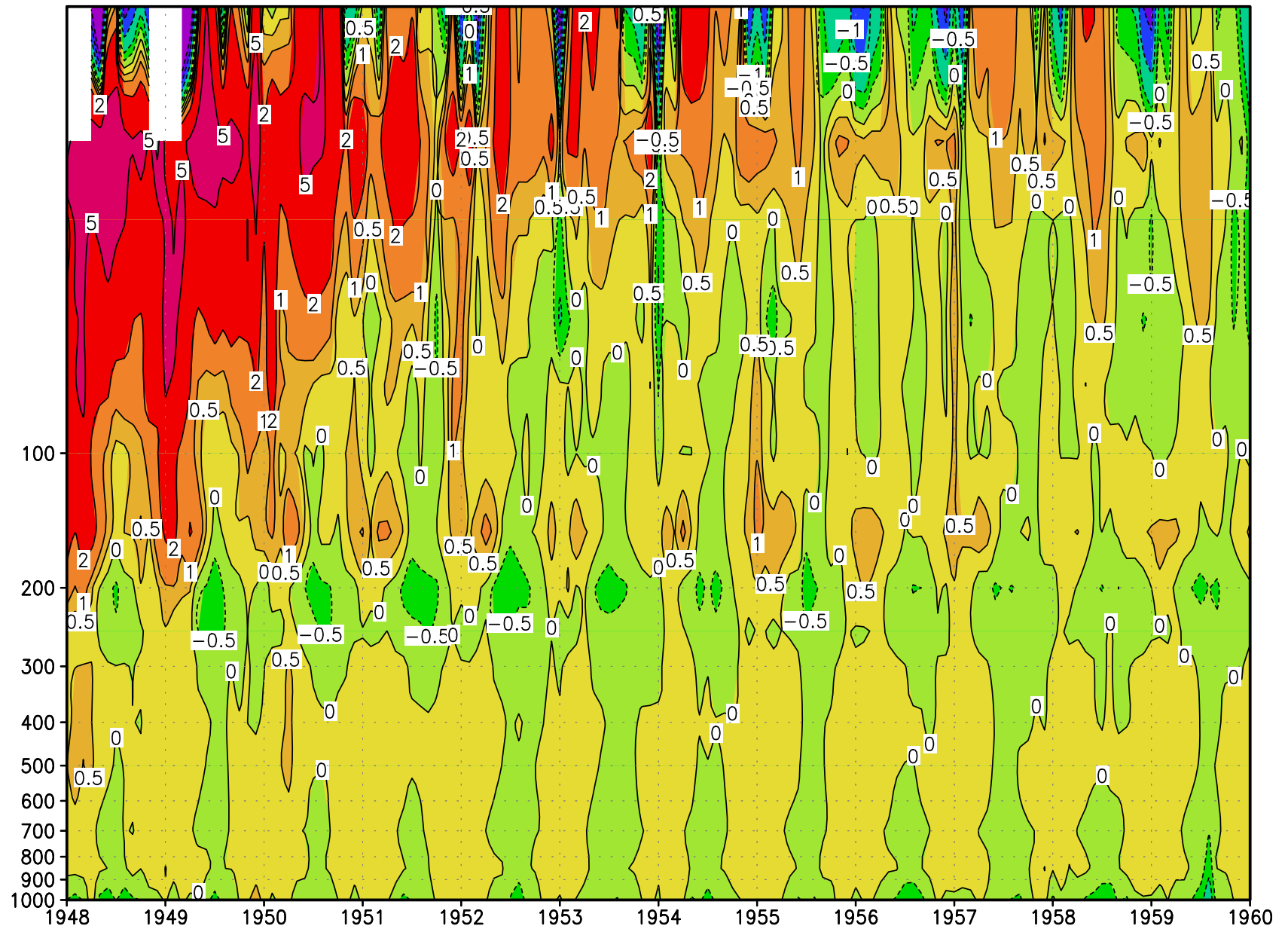
Wind observation count in July 1948–1999



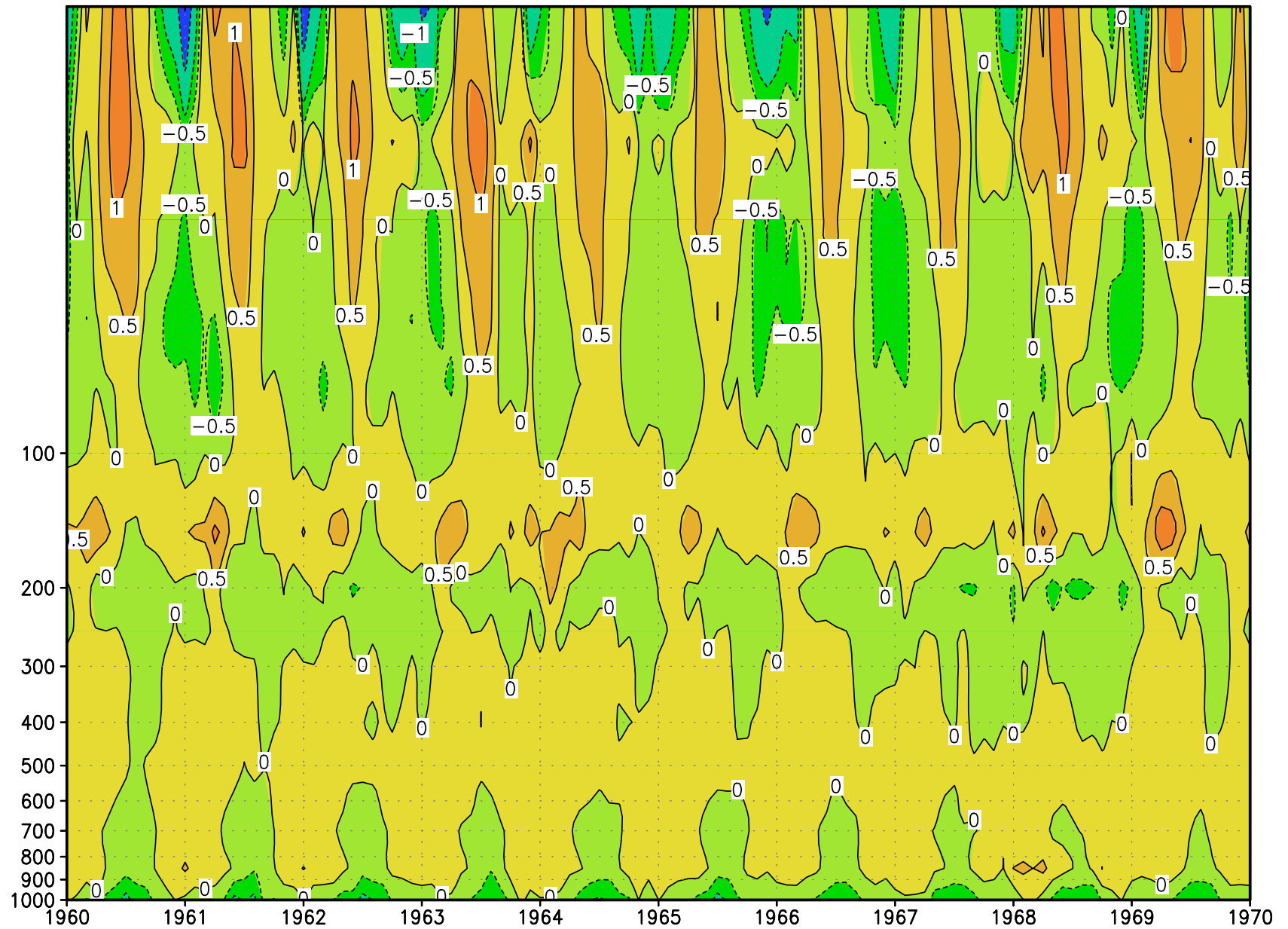
Distribution of 500mb temperature observations, July 1990



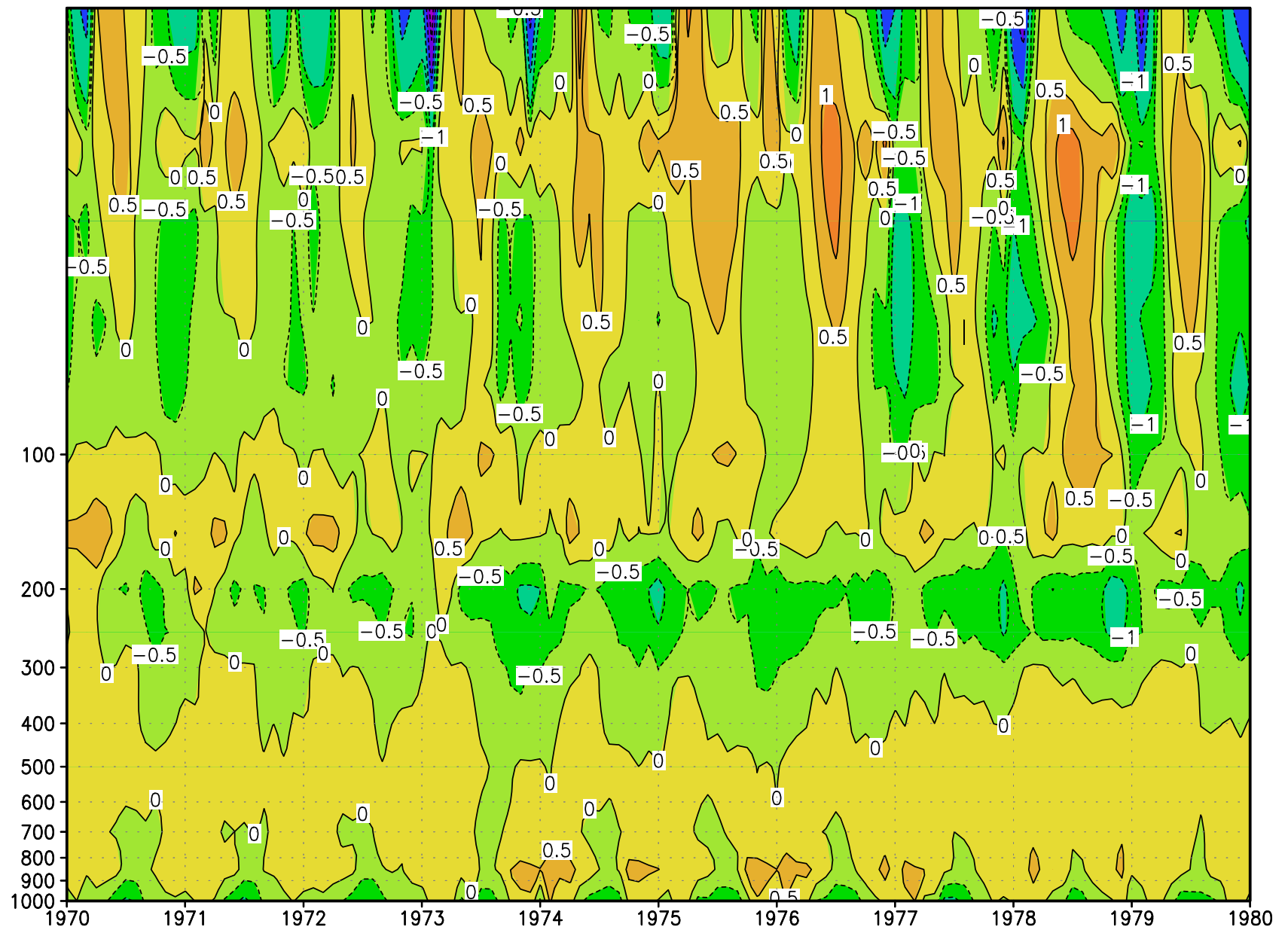
Mean temperature error (o-a) over U.S. in the 50's



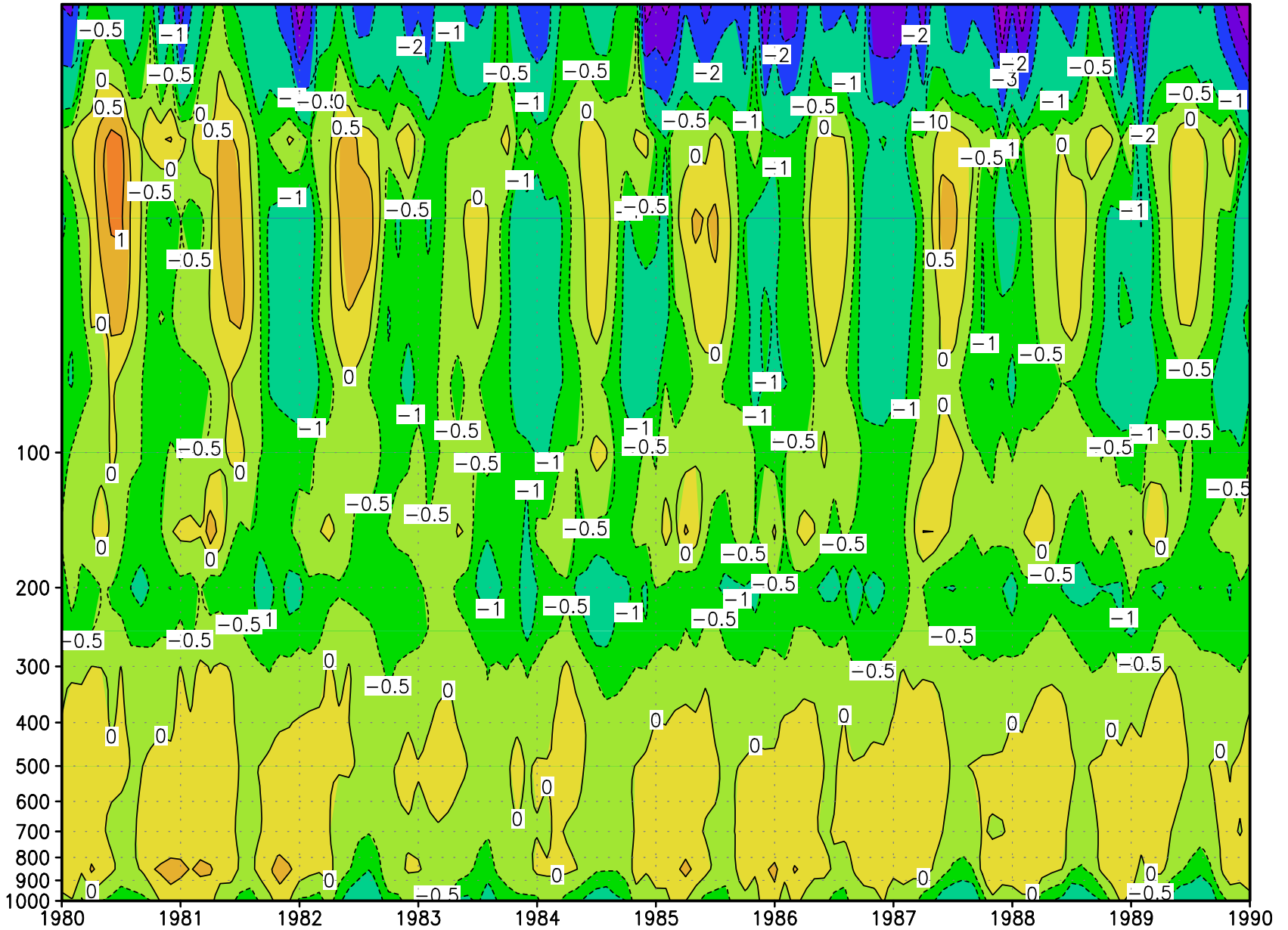
Mean temperature error (o-a) over U.S. in the 60's



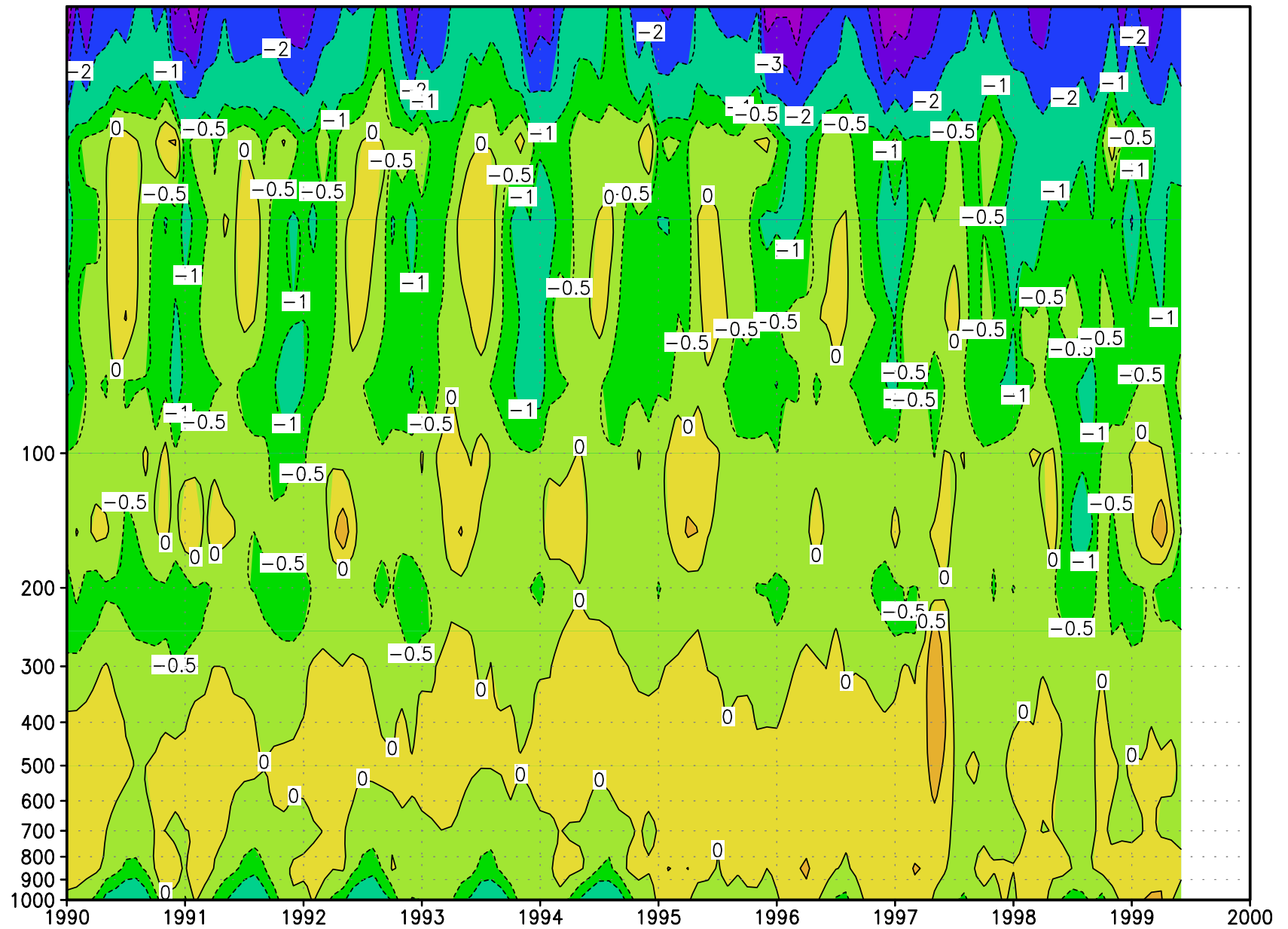
Mean temperature error (o-a) over U.S. in the 70's



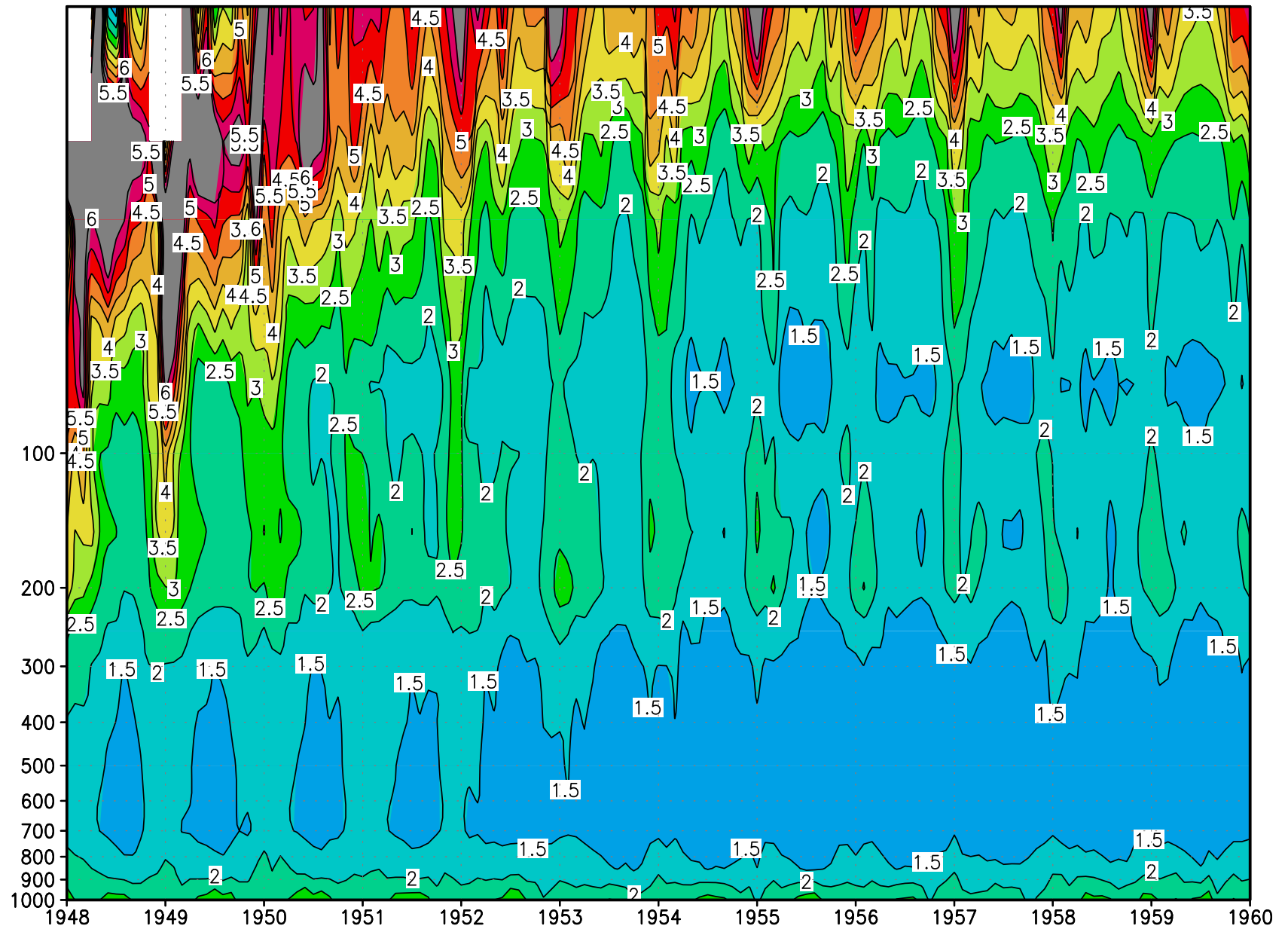
Mean temperature error (o-a) over U.S. in the 80's



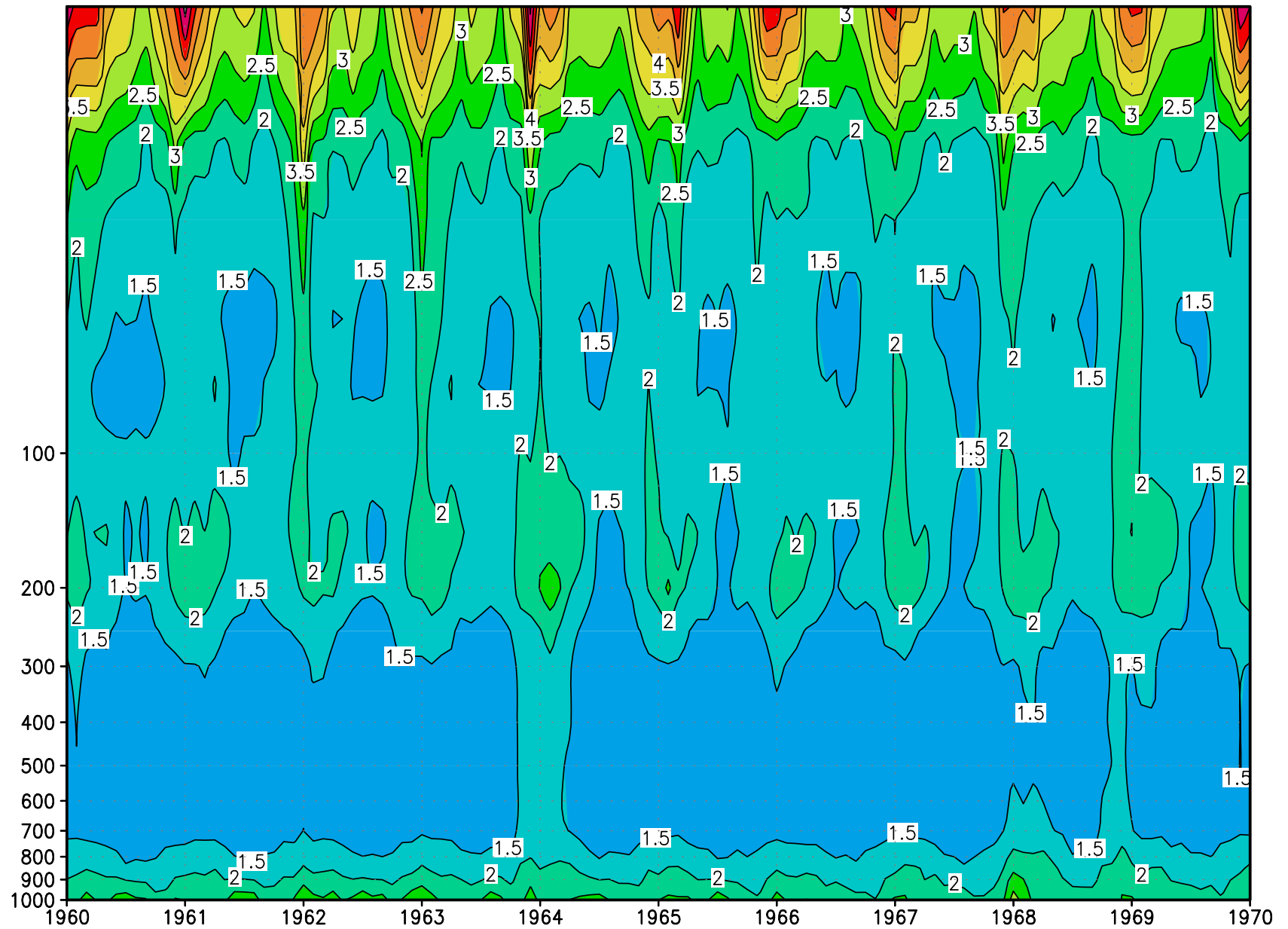
Mean temperature error (o-a) over U.S. in the 90's



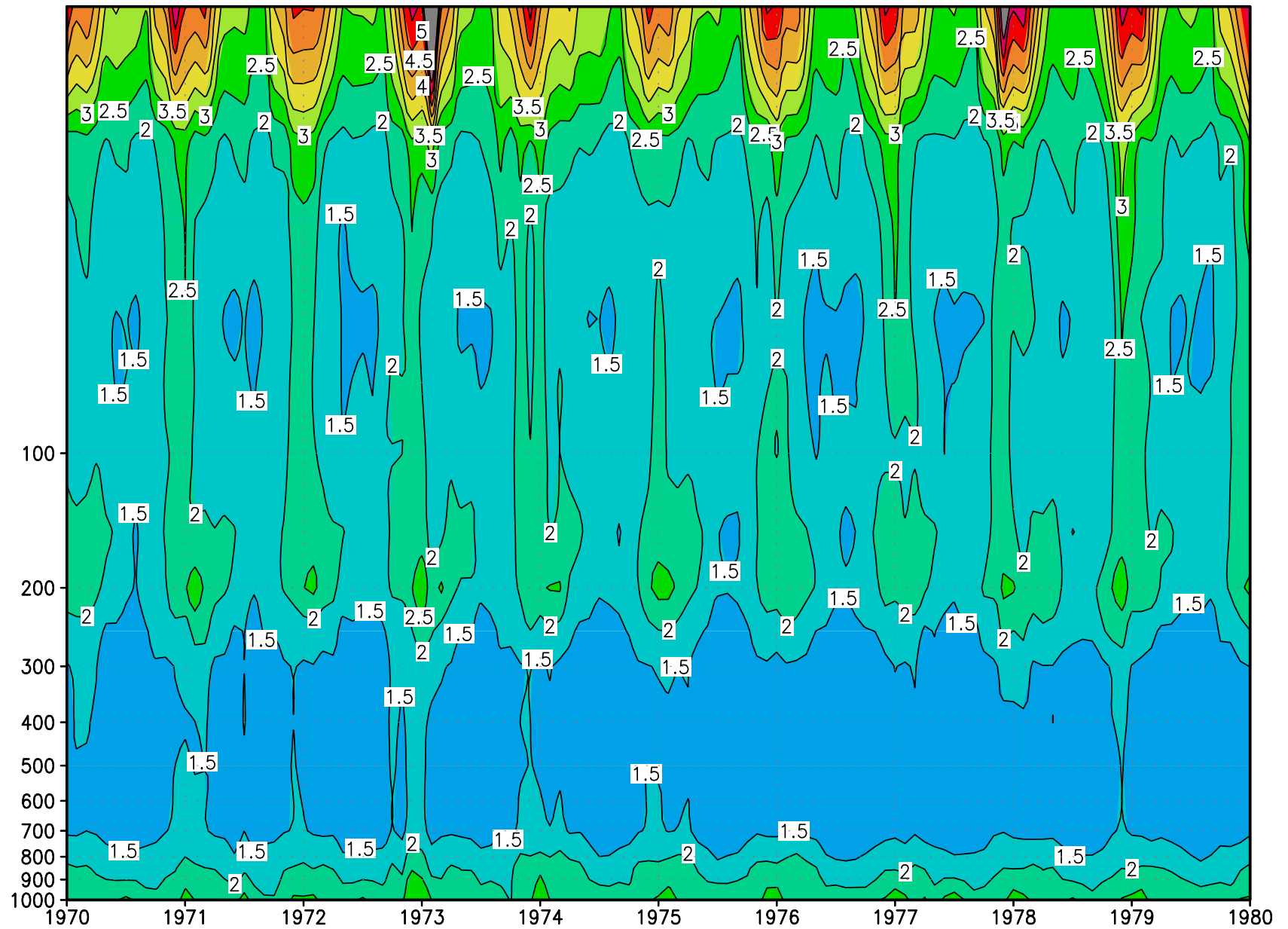
RMS Temperature error (o-a) over U.S. in the 50's



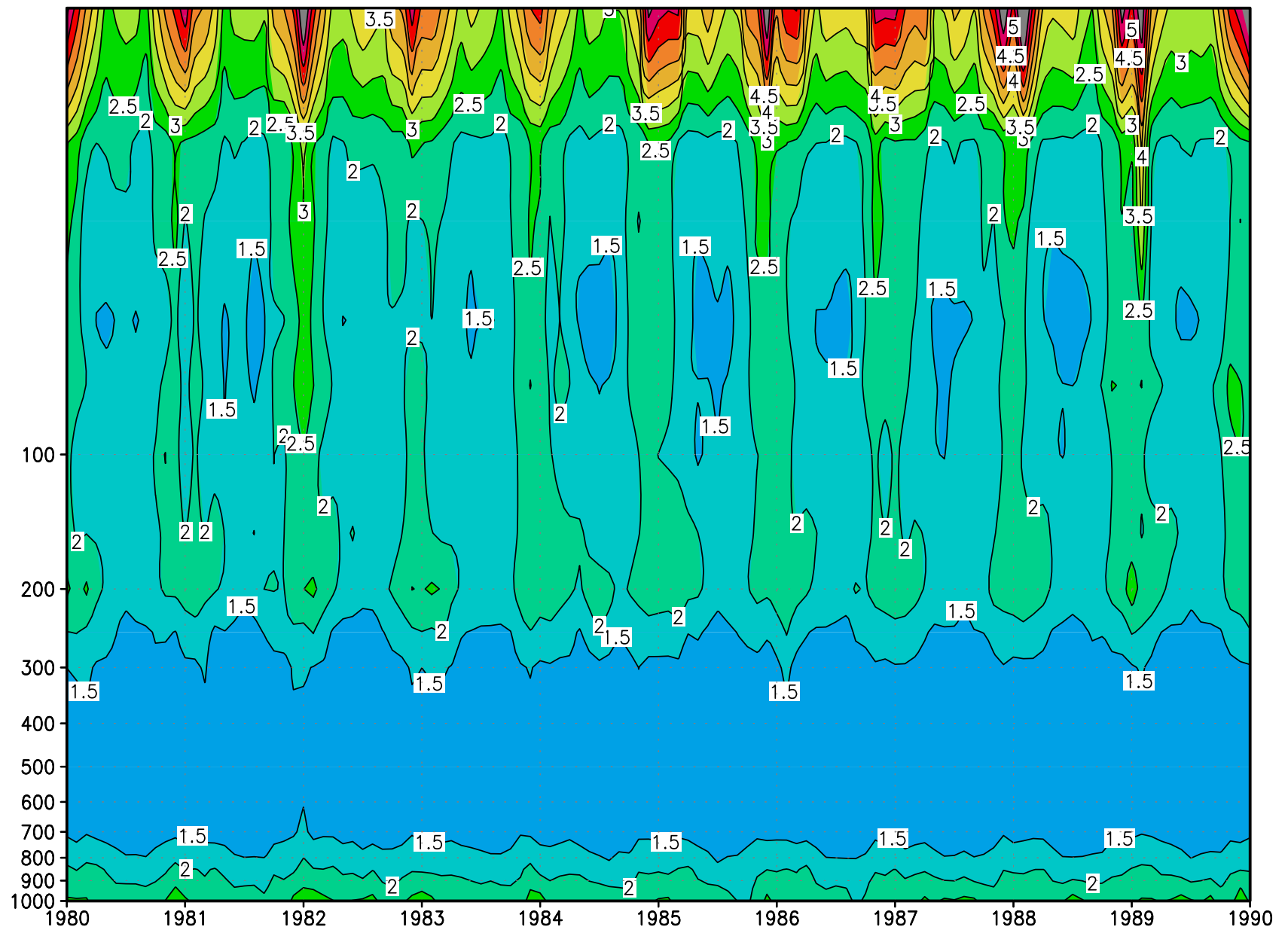
RMS Temperature error (o-a) over U.S. in the 60's



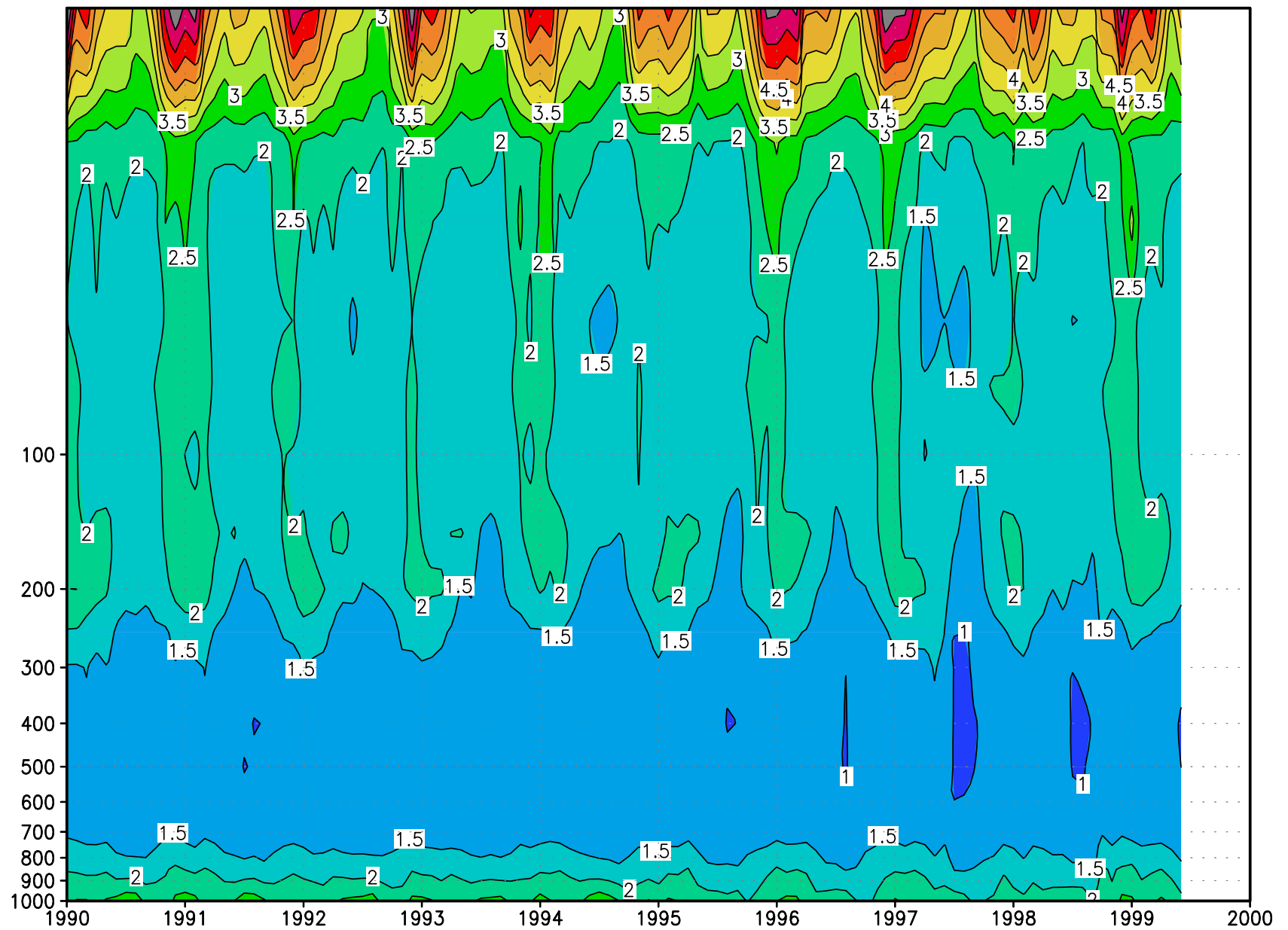
RMS Temperature error (o-a) over U.S. in the 70's



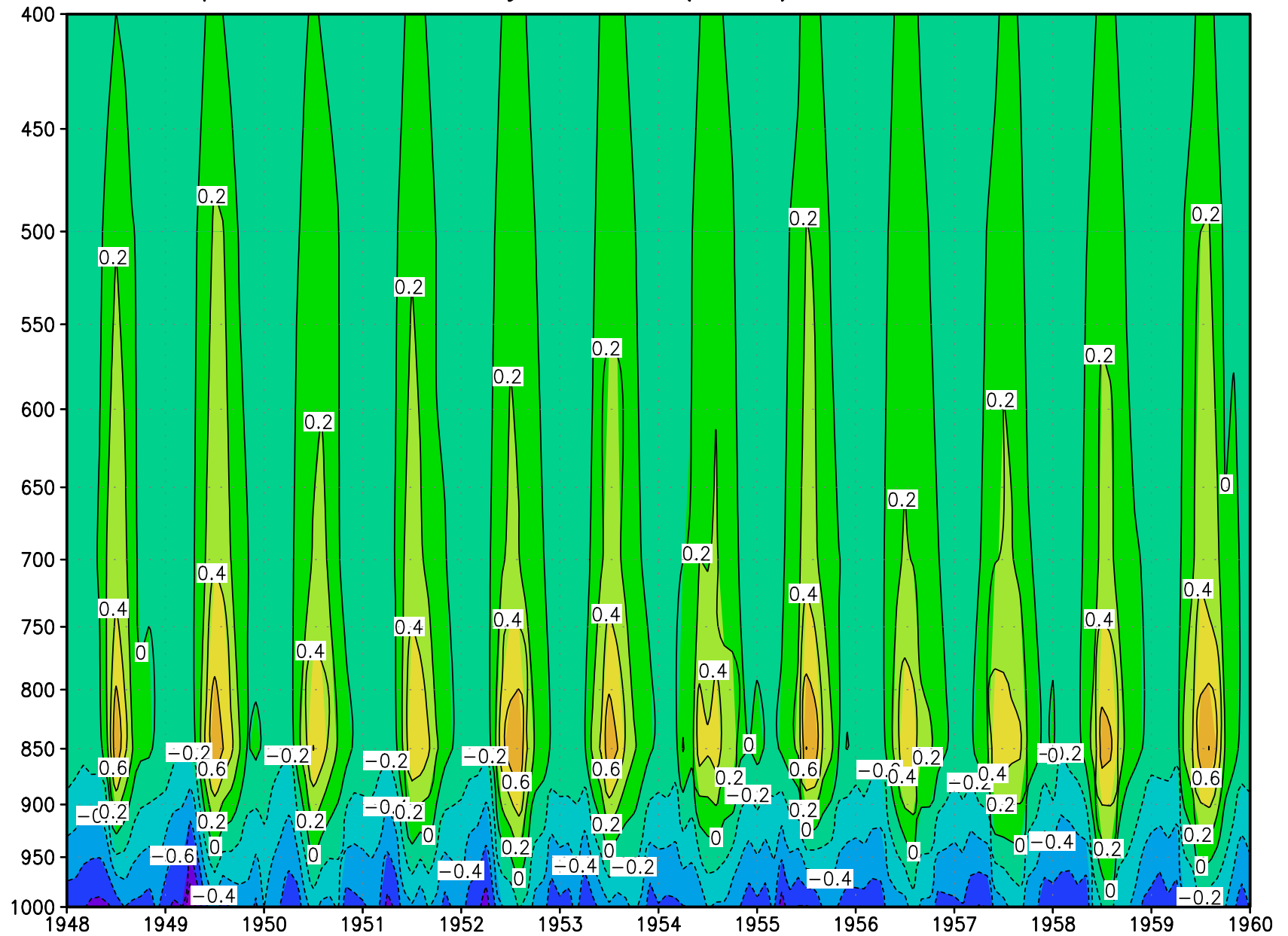
RMS Temperature error (o-a) over U.S. in the 80's



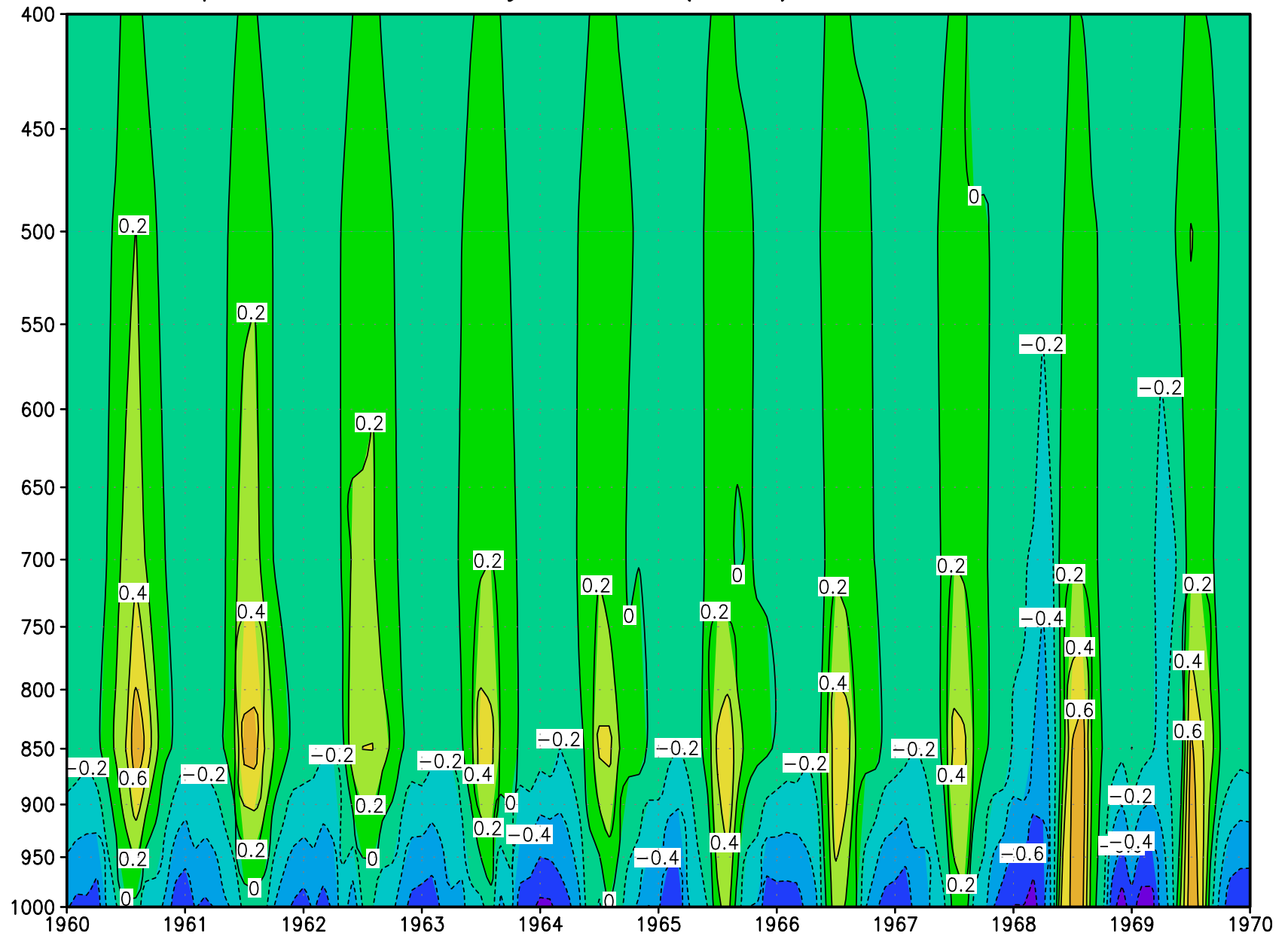
RMS Temperature error (o-a) over U.S. in the 90's



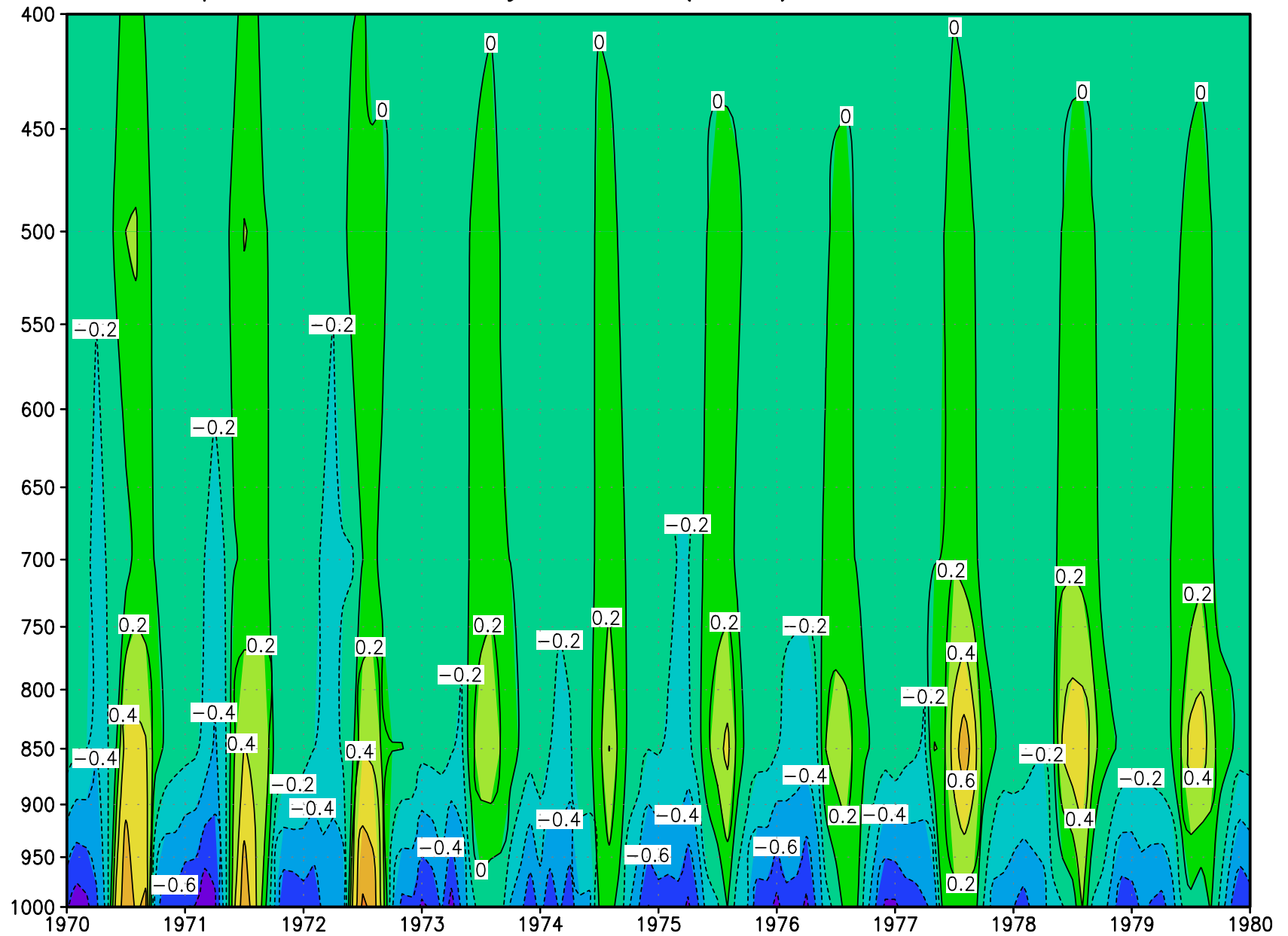
Mean specific humidity error (o-a) over U.S. in the 50's



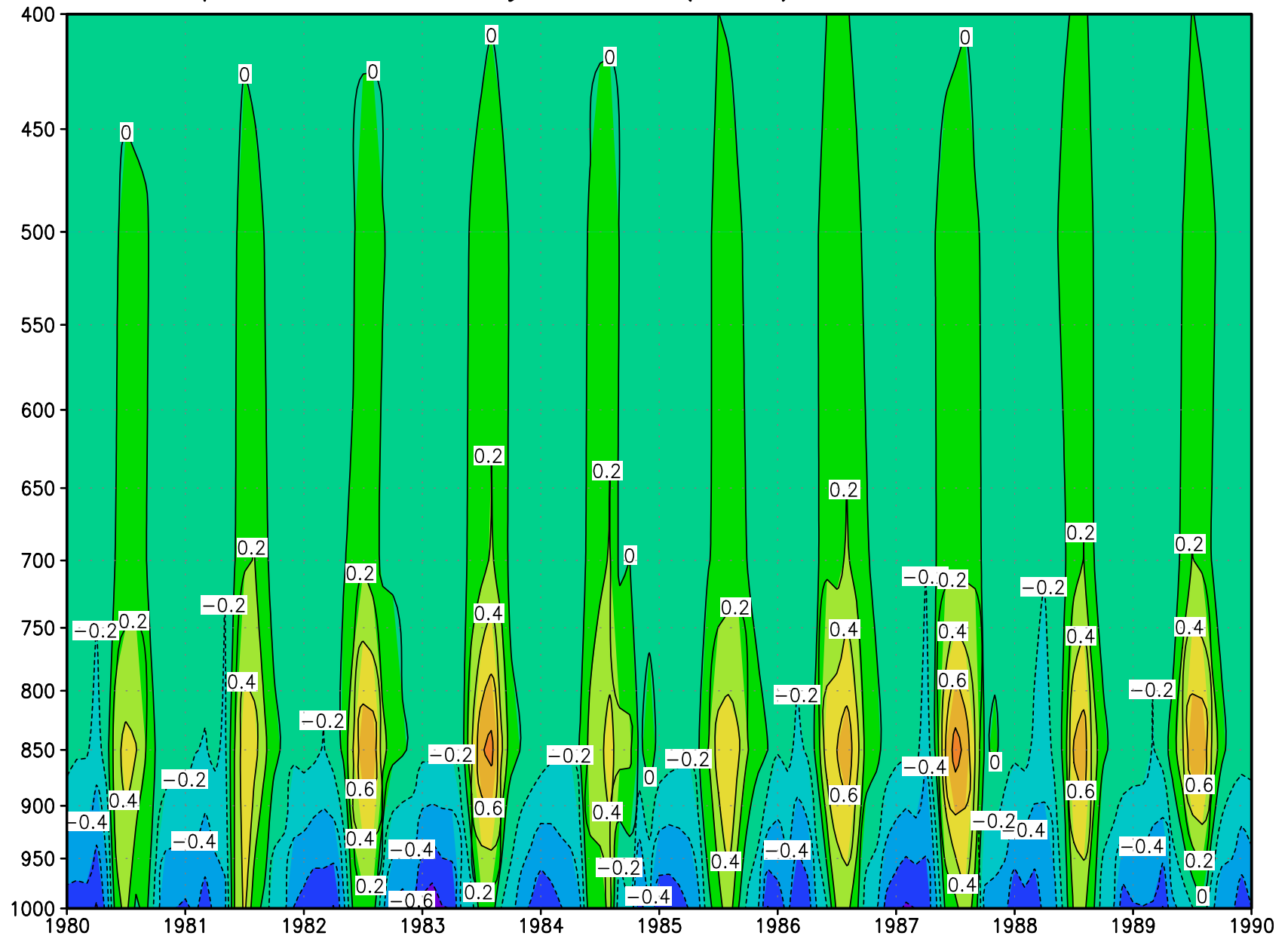
Mean specific humidity error (o-a) over U.S. in the 60's



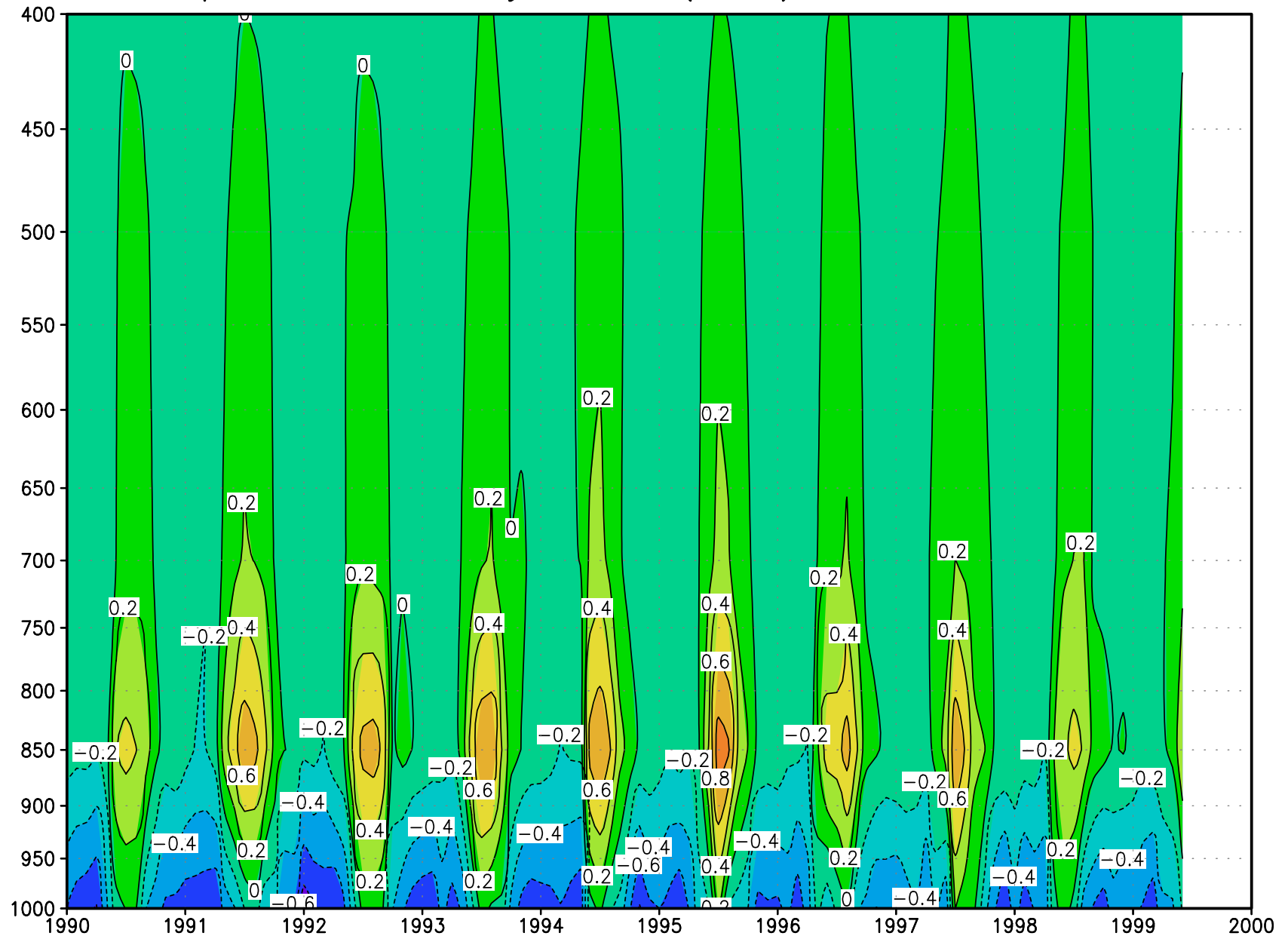
Mean specific humidity error (o-a) over U.S. in the 70's



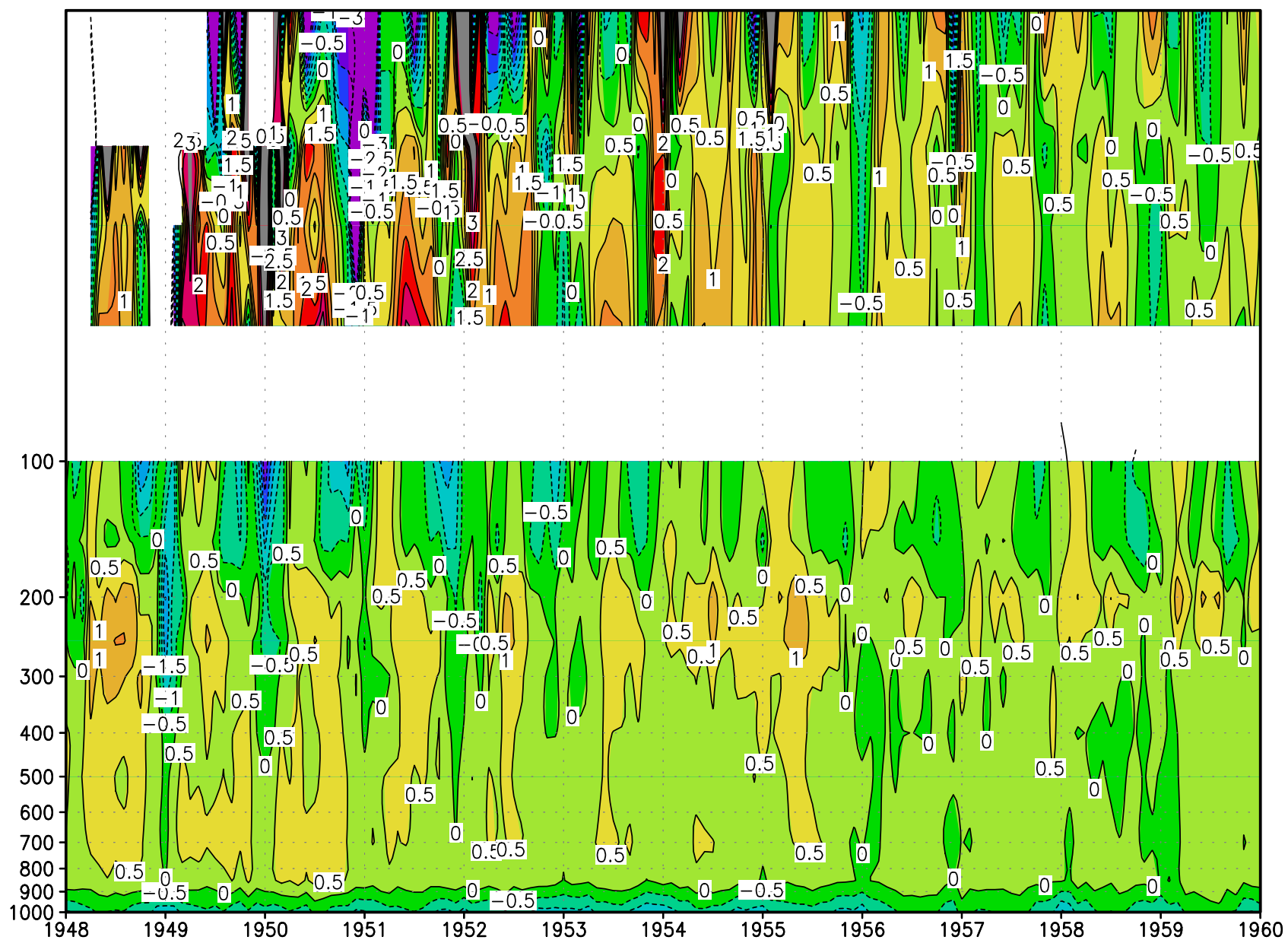
Mean specific humidity error (o-a) over U.S. in the 80's



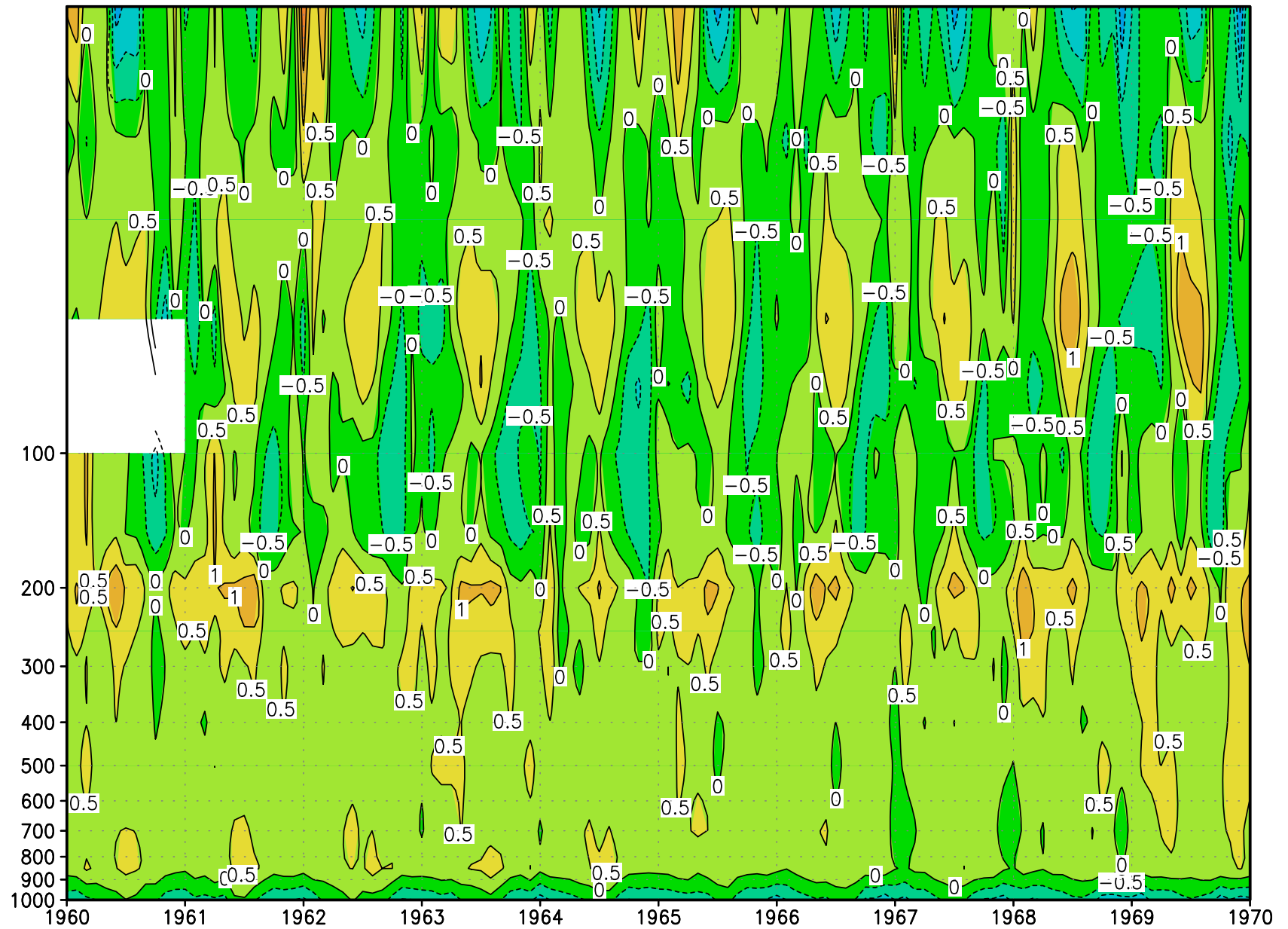
Mean specific humidity error (o-a) over U.S. in the 90's



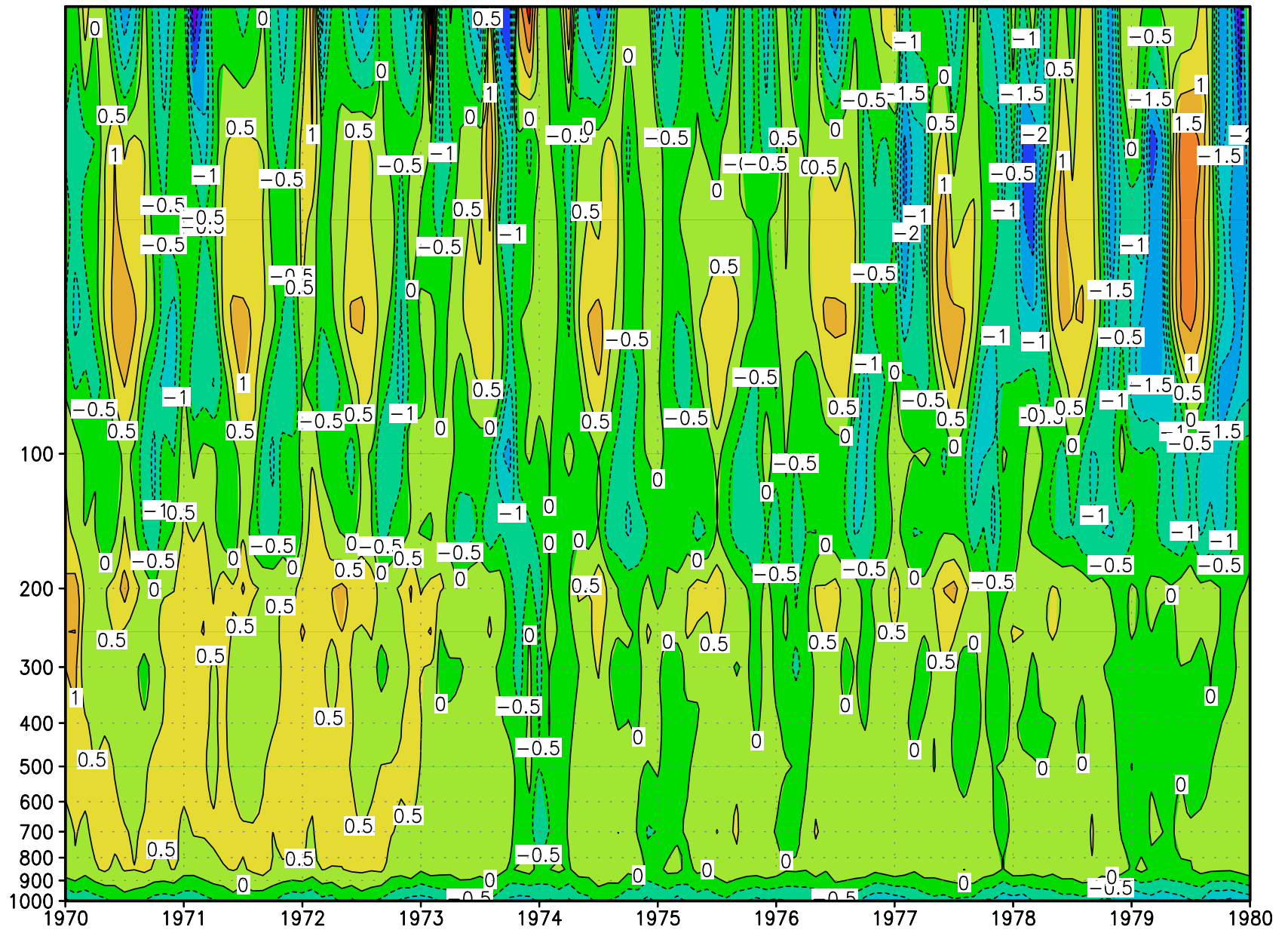
Mean wind speed error (o-a) over U.S. in the 50's



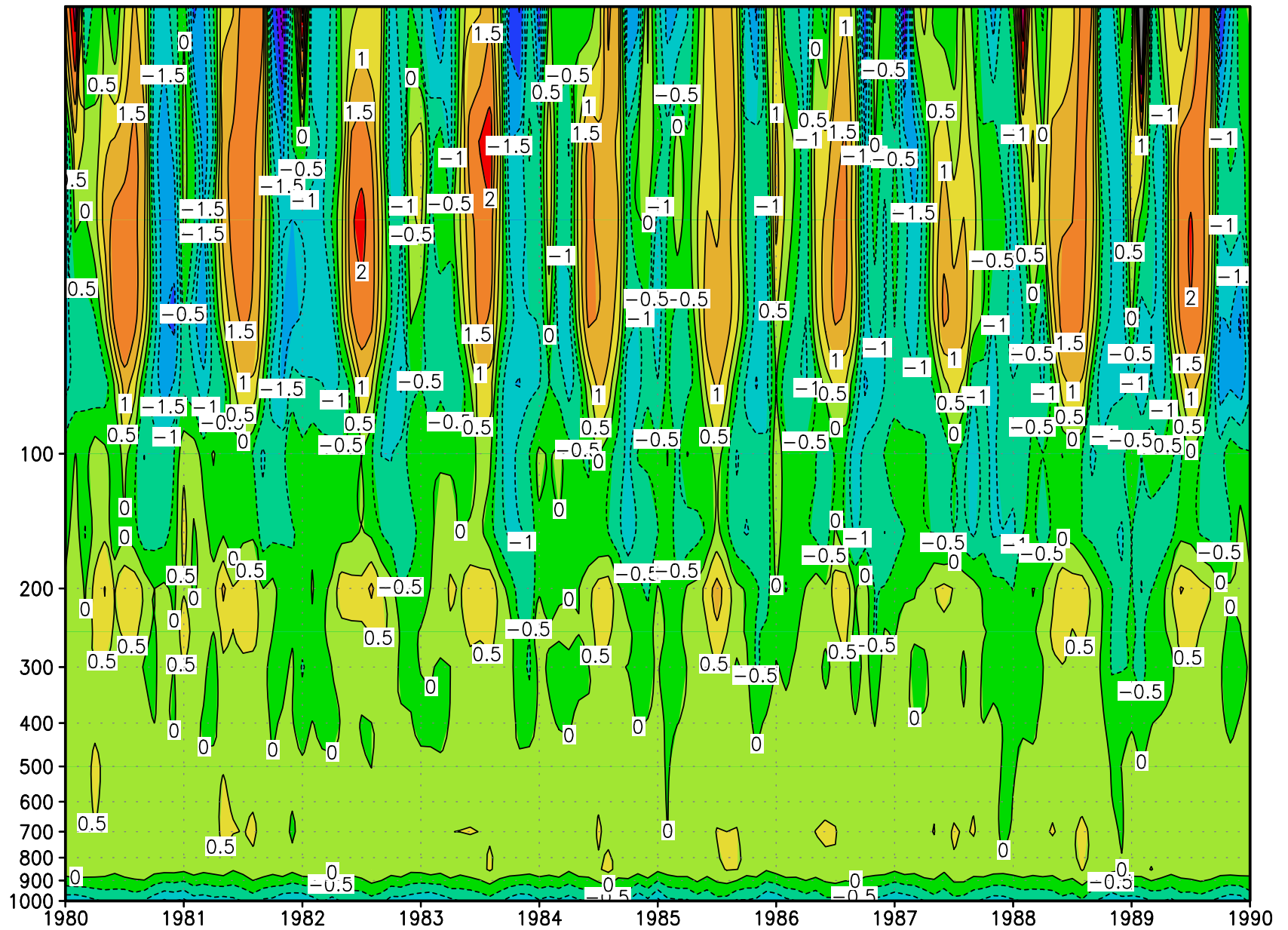
Mean wind speed error (o-a) over U.S. in the 60's



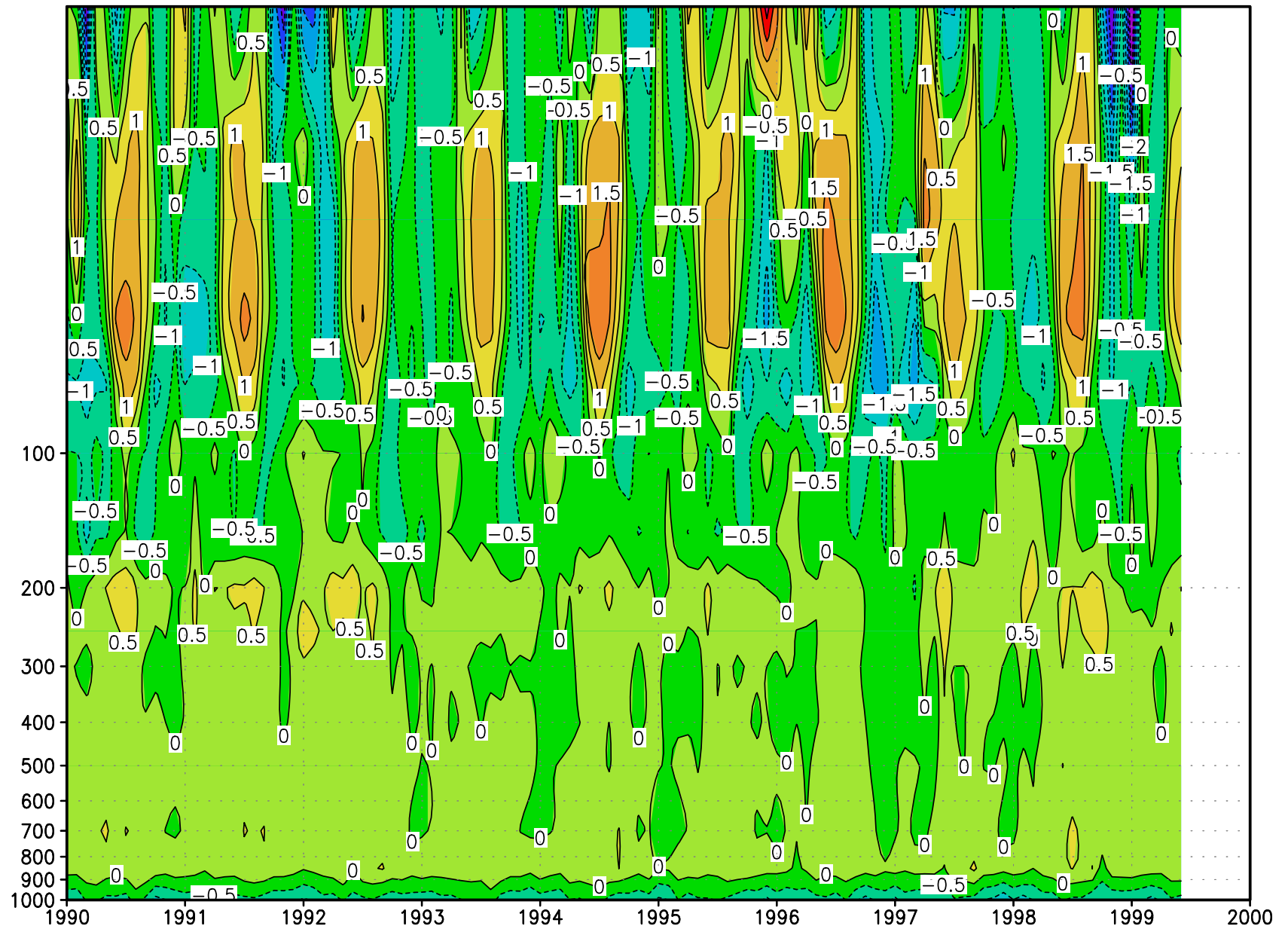
Mean wind speed error (o-a) over U.S. in the 70's



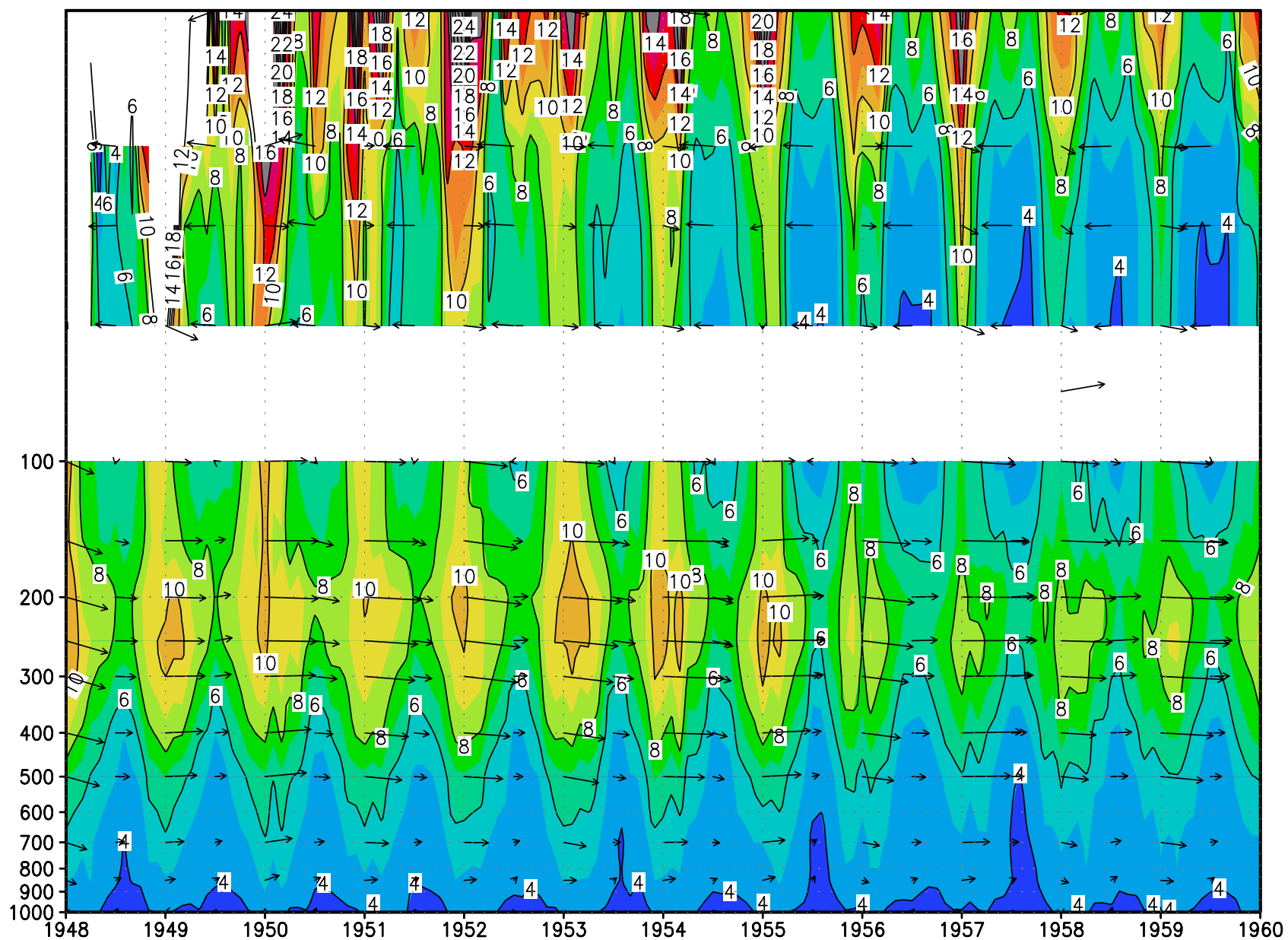
Mean wind speed error (o-a) over U.S. in the 80's



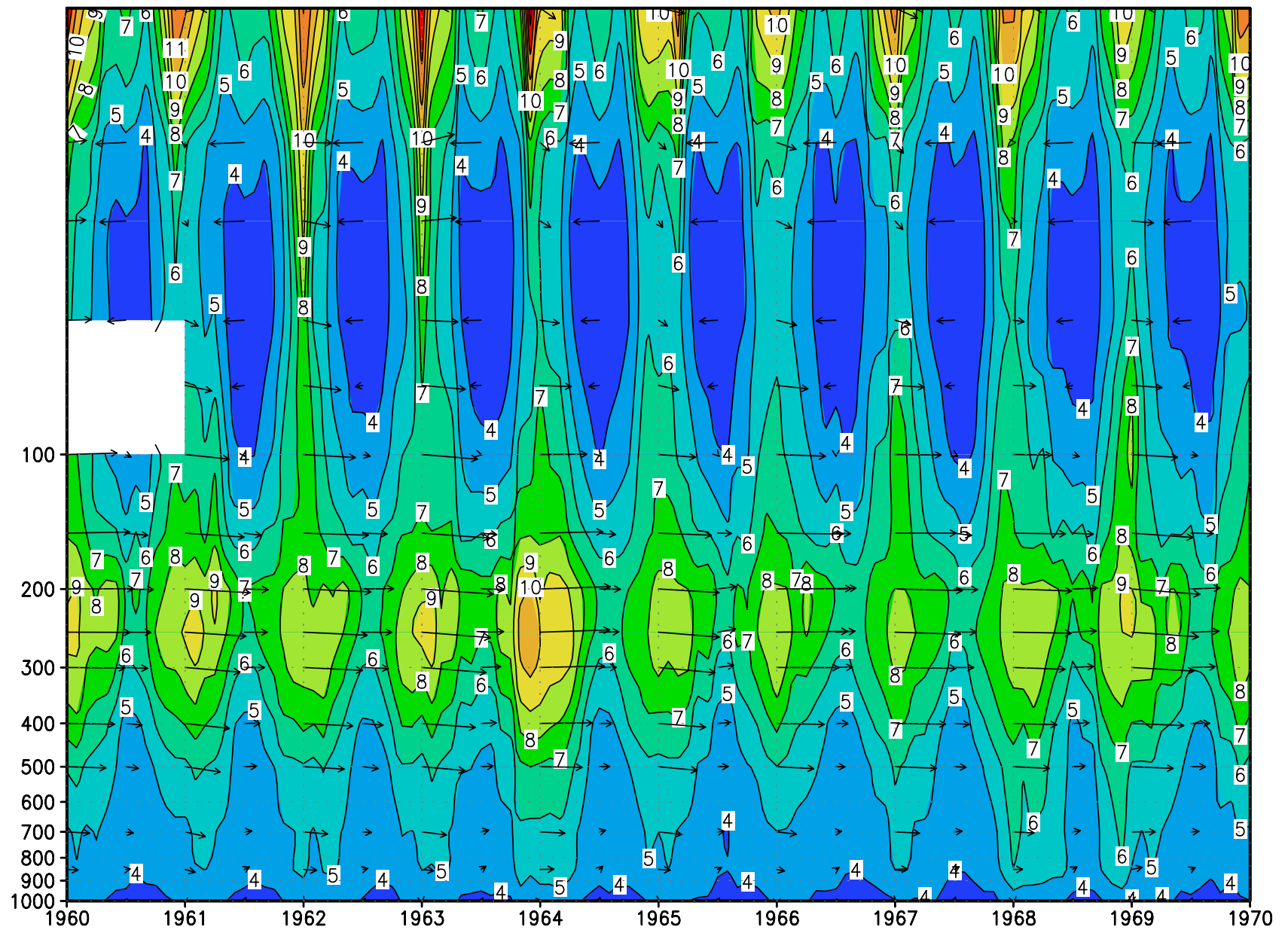
Mean wind speed error (o-a) over U.S. in the 90's



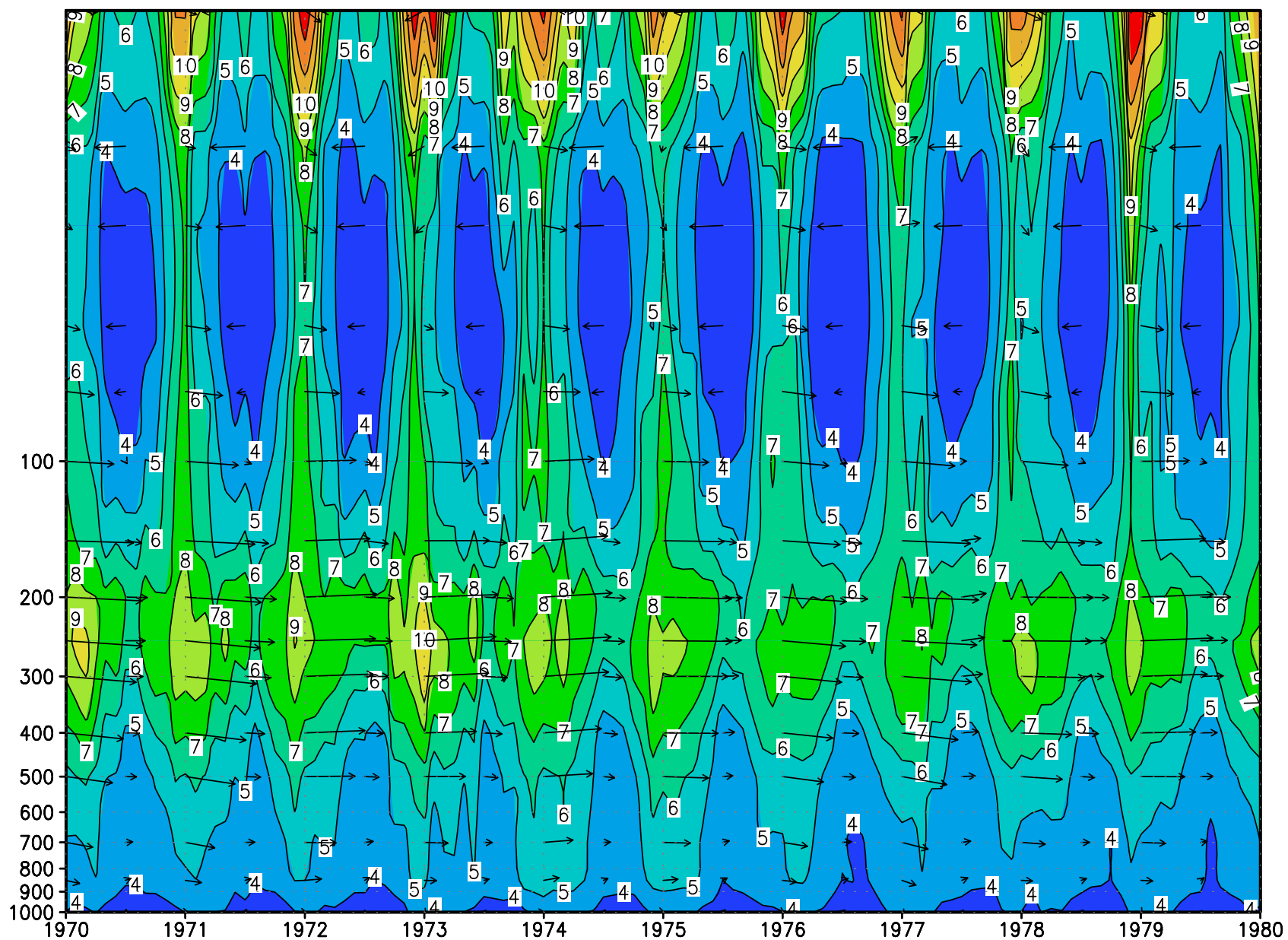
RMS vector wind error (o-a) over U.S. in the 50's



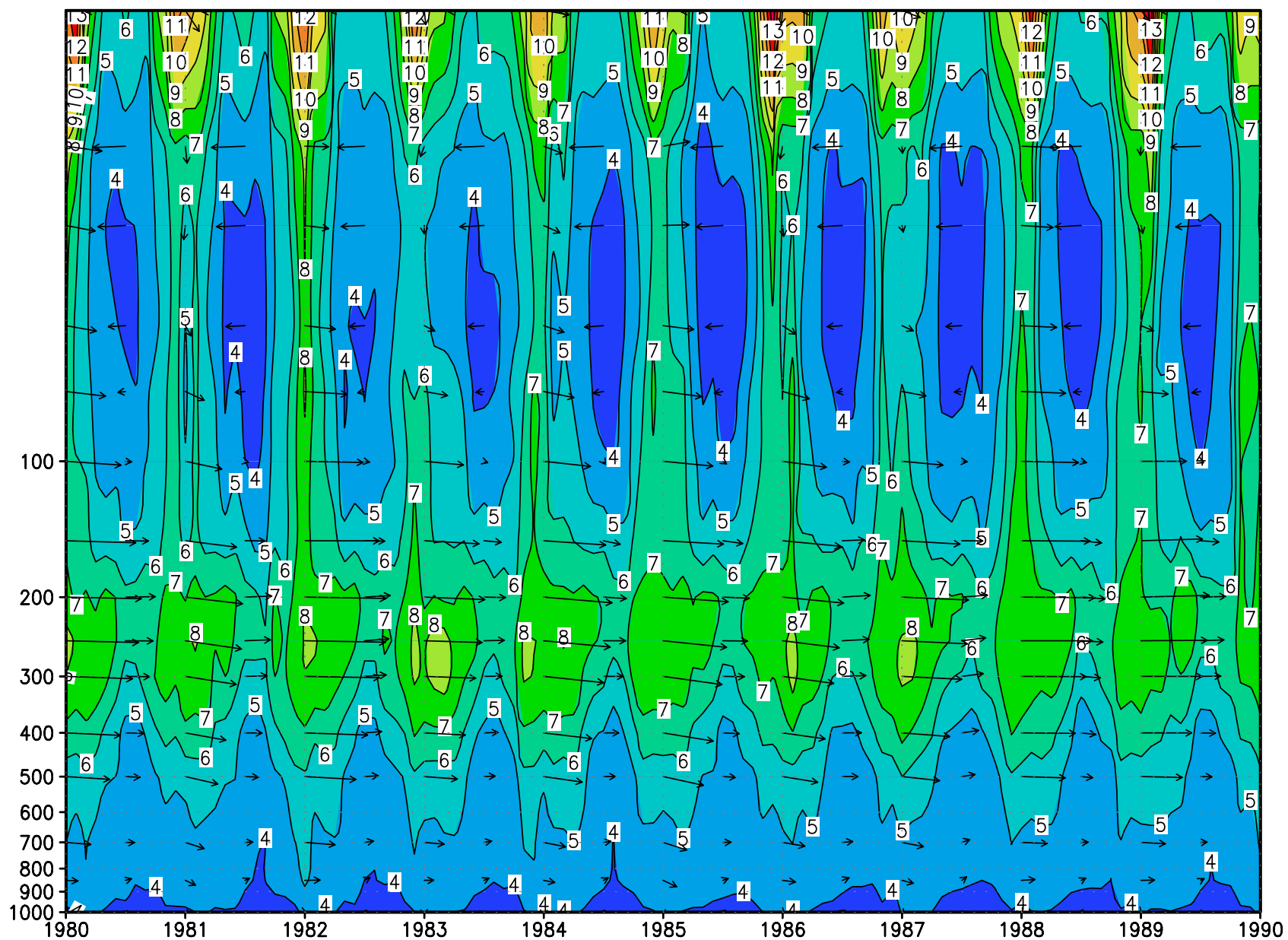
RMS vector wind error (o-a) over U.S. in the 60's



RMS vector wind error (o-a) over U.S. in the 70's



RMS vector wind error (o-a) over U.S. in the 80's



RMS vector wind error (o-a) over U.S. in the 90's

