Activities related to extremes



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IPCC

- Will be a prominent topic in AR5 (WG1 and WG2)
- Current focus of SREX report
 - Special Report on Managing the Risk Extreme Events and Disasters to Advance Climate Change Adaptation
 - SOD out for review
 - Final approval plenary in November
 - Xuebin Zhang, Heather Auld, Ian Burton, Gordon McBean



WCRP

- Extremes are a key cross-cutting topic of the WCRP projects CLIC, CLIVAR, GEWEX, SPARC
 - Ron has taken the lead on this topic
- Recent Paris Workshop held at UNESCO
 - Sept 27-29, 2010
- Open Science Conference
 - Oct 24-28, 2011
 - Parallel and poster sessions
 - Open for abstracts now
 - Community paper to be developed
 - http://www.wcrp-climate.org/conference2011/
- Ron will say more about this



ETCCDI

- Expert Team on Climate Change Detection and Indices
 - Joint activity of
 - WMO/CCI
 - WCRP/CLIVAR
 - IOC/JCOMM
 - Co-chairs Xuebin Zhang (CRD) / Albert Klein-Tank (KNMI)
 - Indices are widely used, housed by CRD/CDAS
 - Software developed and disseminated by CRD/CDAS
 - Have succeeded in infilling many large gaps
 - Next team meeting at UVic/PCIC (Feb 23-25)
 - http://cccma.seos.uvic.ca/ETCCDI/
 - http://www.clivar.org/organization/etccdi/etccdi.php



WCRP

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- Extremes are a key cross-cutting activity
 - Ron has lead a small team on this topic
- Recent Paris Workshop
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Some meetings

- European Science Foundation
 - Cambridge, 13-17 Dec 2010
 - Climatologistics, Meteorologists, Statisticians, Ecologists
- Centre de Recherches Mathematiques
 - Univ de Montreal, 12-14 Jan 2011
 - Climatologistics, Meteorologists, Statisticians,
 Probabilists
- EVA2011 Lyon, France, 27 June 1 July 2011
- Ascona2011 Ascona, Switzerland 10-15 July 2011
- Many others



Research Activites - CRD

AIRS

 Updated IDF curves (with CSA, Heather Auld, Joan Klassen, Bob Morris ...)

CDAS

- ETCCDI
- Wind and waves Xiaolan Wang / Val Swail
- D&A Xuebin Zhang, Seung-Ki Min
- Climatic influences on extremes Xuebin, Amir

CCCma

- ETCCDI
- Model assessment Slava Kharin
- Extremes and links to blocking Jana Sillmann



Research Activites – Some others

- Ouranos
 - Value-added by RCMs
- Ouranos/UVic/PCIC/BCHydro
 - CRD proposal
 - High resolution (15km) CRCM runs over western and eastern Canada

PCIC

- Statistical and hybrid downscaling approaches (including with semi-distributed hydrologic models)
- CRMP
 - MOU covering public and private BC observing network operators + EC (recall Steve Williams & MADIS)
 - There are others (e.g., Andrew Weaver's school network)

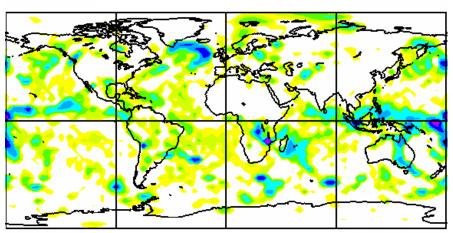


The End

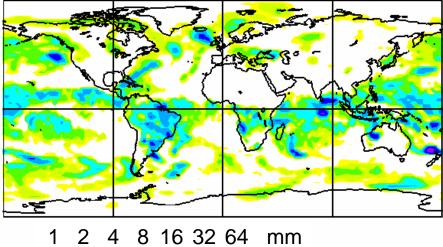


6-hourly precipitation for 1979

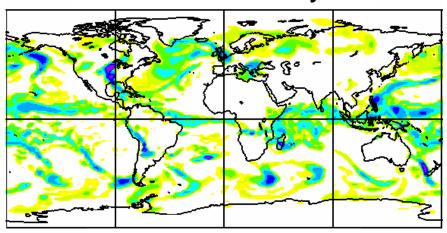




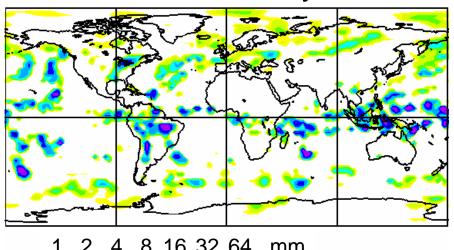
Climate Model B



ERA-15 Reanalysis



NCEP Reanalysis



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