

Figures for Chapter 3.

Section 3.1

Fig 1 on space and time scales of temperature

Section 3.2 - Temperature

1. Land NH/SH/Global time series (HadCRU)
2. Maps of max/min/DTR trends +global time series (NCDC)
3. U/Warming figure
4. SST time series (HadCRU)
5. Consistency between land/ocean (HadCRU)
6. Combined time series, NH/SH/Global (HadCRU)
7. Maps of trends for seasons over 1979-2005 and 1901-2005 (NCDC)
8. Variability plots – time and space scales, likely to be in a FAQ (HadCRU)

Section 3.3 - Precipitation

1. Global maps/trends 1979-2005 and 1901-2005 (NCDC)
2. Oceanic precipitation – differences between GPCP/CMAP/SSM (Robertson)
3. Water Vapour ?? Unlikely, but placeholder.

Section 3.4

3.4.1

Figure 1: Map of spatial trends in MSU temperature. 3 panels: (a) RSS, (b) Christy, (c) RSS-Chrity.

Figure 2: Time series of global-mean MSU records (RSS, Christy).

Figure 3: Fu et al. surface vs. MSU temperature trends (bar chart).

3.4.2

Figure 4: Map of spatial trends in SSMI precipitable water vapor over oceans (Trenberth et al.) and global-mean (ocean-only) trends.

3.4.4

Figure 5: Map of spatial trends in surface radiation (Liepert) and (possibly) surface clouds (Dai, Norris?).

Section 3.5

1. EOF and EOF-rotated patterns and associated principal components of sea level pressure to illustrate several atmospheric variability modes.
2. Diagram from reanalysis data revealing changes in geopotential heights and winds.
3. Downward propagation of stratospheric anomalies towards troposphere (in the stratospheric related box).

Section 3.6

1. Have a new set of figures commissioned (by Dennis Shea, NCAR?) showing rainfall and temperature global teleconnection patterns (correlation maps) associated with ENSO, PDO/IPO, NAM, SAM. Layout to be:

Index	Season	
	DJF	JJA
ENSO (Nino3.4 or SOI)	x	x
PDO	x	x
SAM	x	x
NAM	x	x

2. Trend in SAM & NAM, 1979-2003 (or thereabouts), and time series
3. ENSO MSLP correlation map (Trenberth and Caron)
4. PDO/IPO SST anomaly map (and time series)

Section 3.7

Change in Tropics and Subtropics

Fig 3.7.1 Time series of Indian monsoon rainfall anomalies

Fig 3.7.2 Time series of African monsoon rainfalls

Section 3.8 – Extremes

1. Map showing broad areas of increasing/decreasing of temperature extremes (KNMI or Groisman)
2. Map showing broad areas of increasing/decreasing of precipitation extremes (KNMI or Groisman)
(Both these to be chosen by Albert and be ‘annually-based’ as seasons have little meaning in some parts of the world.)
3. # of Atlantic hurricanes – US landfalling ones. (Landsea)
4. # of Tropical cyclones in other regions (Landsea)
5. Time series of # of intense extratropical cyclones – e.g. N. Atlantic (Alexandersson/ D. Jones)
6. Map or time series on each of the mini case studies (From each provider)