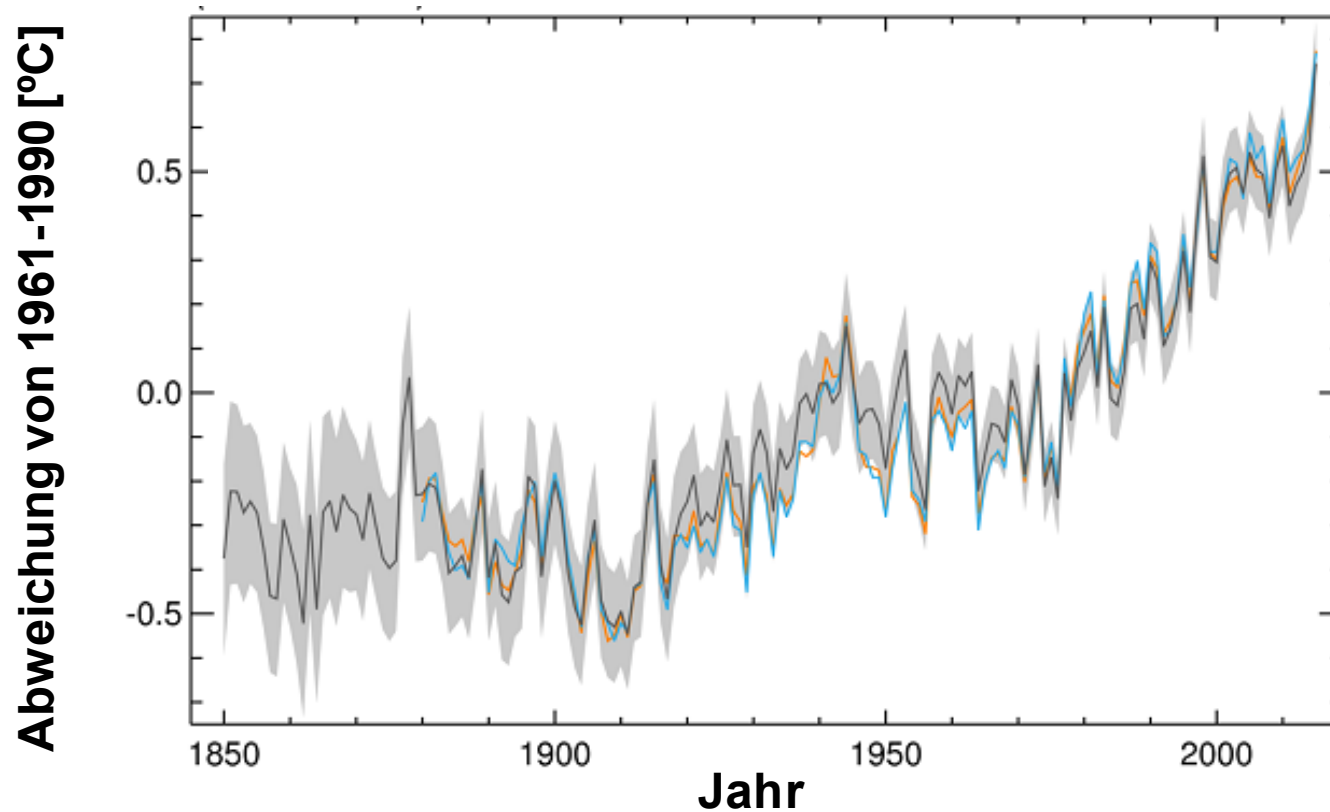


Gruppe Klima und Wasserkreislauf



Globale Erwärmung

Offizielle Lehrmeinung seit dem ersten IPCC-Report (1990)



(Hadley-Center, [NASA GISS](#), [NOAA](#))

Globale Erwärmung

Dissidenten und Klimaskeptiker: Spencer and Christy (1990, 1999, etc)



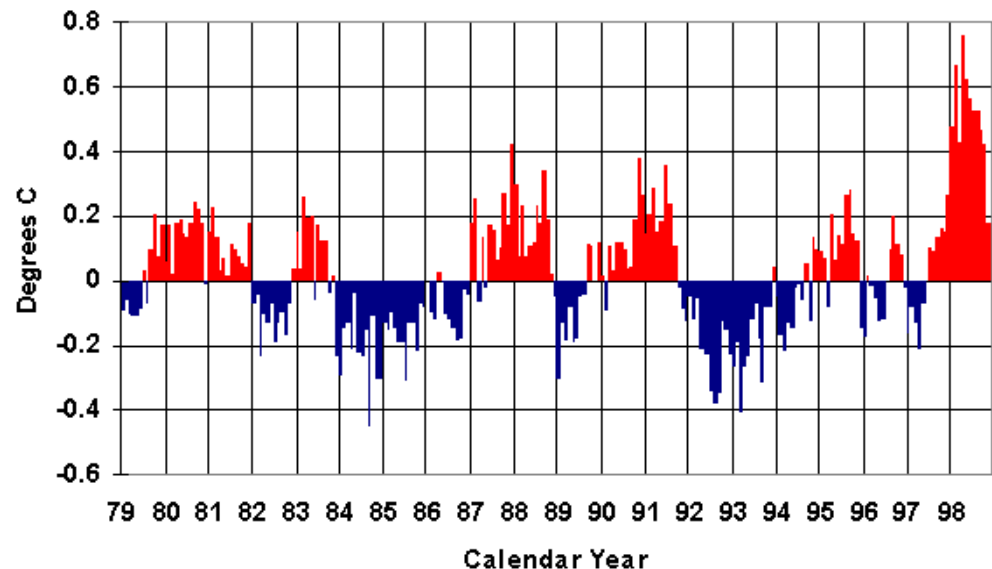
Scientists Present 1998 Earth-Temperature Trends
Updated 20-year temperature record unveiled at 1999 AMS Meeting

Medienmitteilung der NASA (12. Januar 1999):

“Since late 1978, polar orbiting satellites have monitored the microwave emissions from oxygen in the Earth’s atmosphere. These emissions are proportional to the temperature of the atmosphere.”

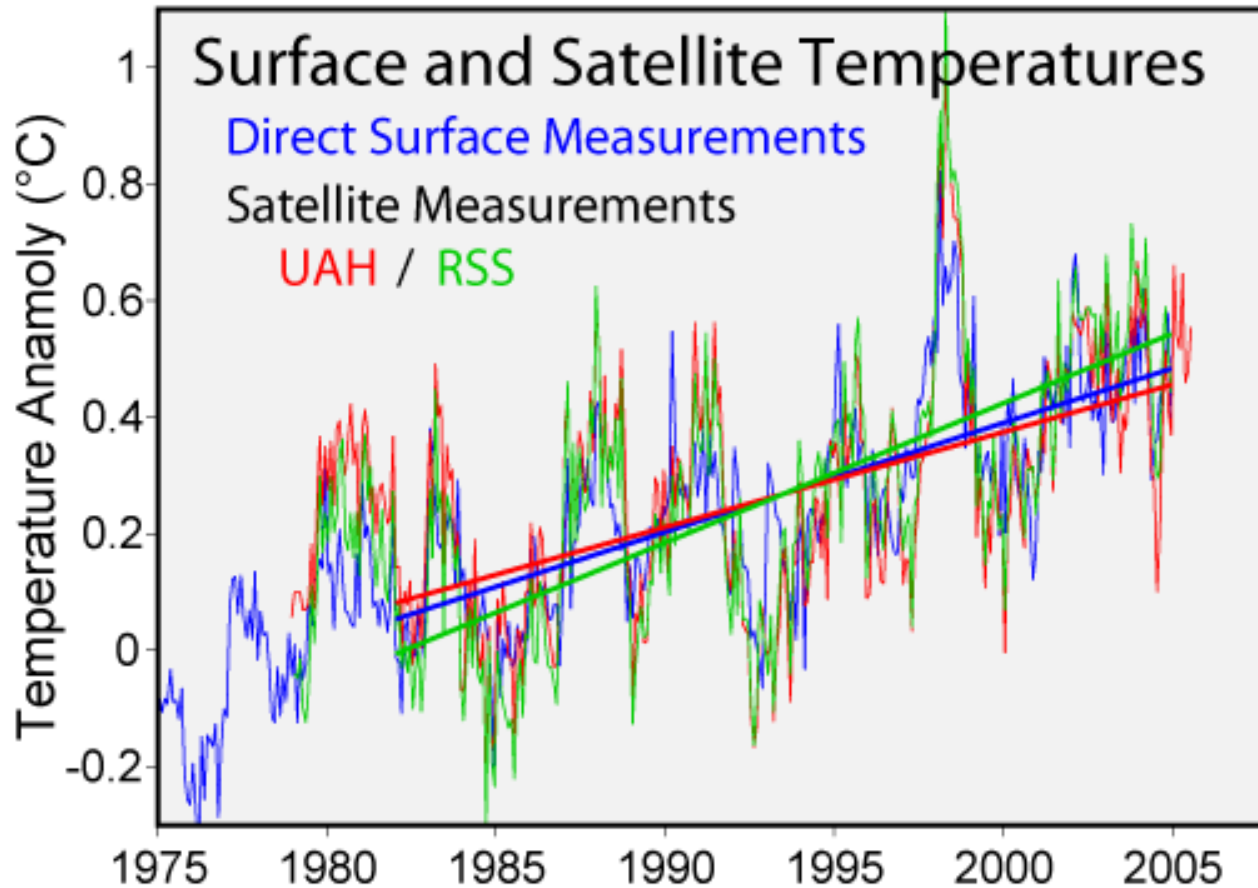
“The resulting time series shows that the temperature trend in the lower troposphere is zero for the period 1979-1997”

Global Tropospheric Temperature Anomalies: 1979 - 1998
 TIROS-N Microwave Sounding Units



Globale Erwärmung

Synthese: Fu et al. 2004, Mears and Wentz 2005



Analyse von
Spencer and
Christy hatte
grobe Fehler

Resultierende Debatte

Peinliche Diskussion für Christy and Spencer

COMMENT

We agree with C.A. Mears and F.J. Wentz that our [...] method of calculating a diurnal correction to our lower tropospheric temperature data introduced a spurious component. We are grateful that they spotted the error and have made the necessary adjustments.

JOHN R. CHRISTY AND ROY W. SPENCER

REPLY

We question why Christy and Spencer adopted an obviously wrong [...] correction in the first place.

CARL A. MEARS AND FRANK J. WENTZ

Science 2005, **310**, 972-973

Papers

Roy W. Spencer and John R. Christy (1990)

Precise monitoring of global temperature trends from satellites

Science, 247, 1558-1562

Qiang Fu, C.M. Johanson, S.G. Warren, D.J. Seidel (2004)

Contribution of stratospheric cooling to satellite-inferred tropospheric temperature trends

Nature, 429, 55-58

Carl A. Mears and Frank J. Wentz (2005)

The effect of diurnal correction on satellite-derived lower tropospheric temperature

Science, 309, 1548-1551

Debate (2005)

Comments of Spencer & Christy, reply by Mears and Wentz.

Science, 310, 972

Die Studierenden
bearbeiten jeweils
ein Paper

Alle Studierenden
lesen Kommentar /
Reply