

Appendix B: Supplementary plates of annual anomalies

The interannual change in *NEP* and climate condition was investigated in Chapter 5, from 1958 to 1998. For six representative years (1965, 1971, 1973, 1983, 1992, and 1998), annual anomalies of surface temperature, precipitation, and *NEP* were presented in Figures 5-21 to 5-26, respectively. This appendix would like to illustrate anomalies in other 35 years, to exhibit more specific aspects of the interannual change.

Year	Events	
1958		
1959		
1960		
1961		
1962		
1963	El Niño	Eruption of Mt. Agung (Indonesia)
1964	La Niña	
1965 (Fig. 5-21)	El Niño	
1966	La Niña	
1967		
1968		
1969	El Niño	
1970	La Niña	
1971 (Fig. 5-22)	-	
1972	El Niño	
1973 (Fig. 5-23)	La Niña	
1974		
1975	La Niña	
1976	El Niño	
1977		
1978	La Niña	
1979		
1980		Eruption of Mt. St. Helens (U.S.A.)
1981		
1982	El Niño	Eruption of Mt. El Chichon (Mexico)
1983 (Fig. 5-24)	El Niño → La Niña	
1984		
1985		
1986	El Niño	
1987		
1988	La Niña	
1989		
1990		
1991	El Niño	Eruption of Mt. Pinatubo (Philippine)
1992 (Fig. 5-25)	El Niño	
1993	El Niño	
1994		
1995		
1996		
1997		
1998 (Fig. 5-26)	El Niño	

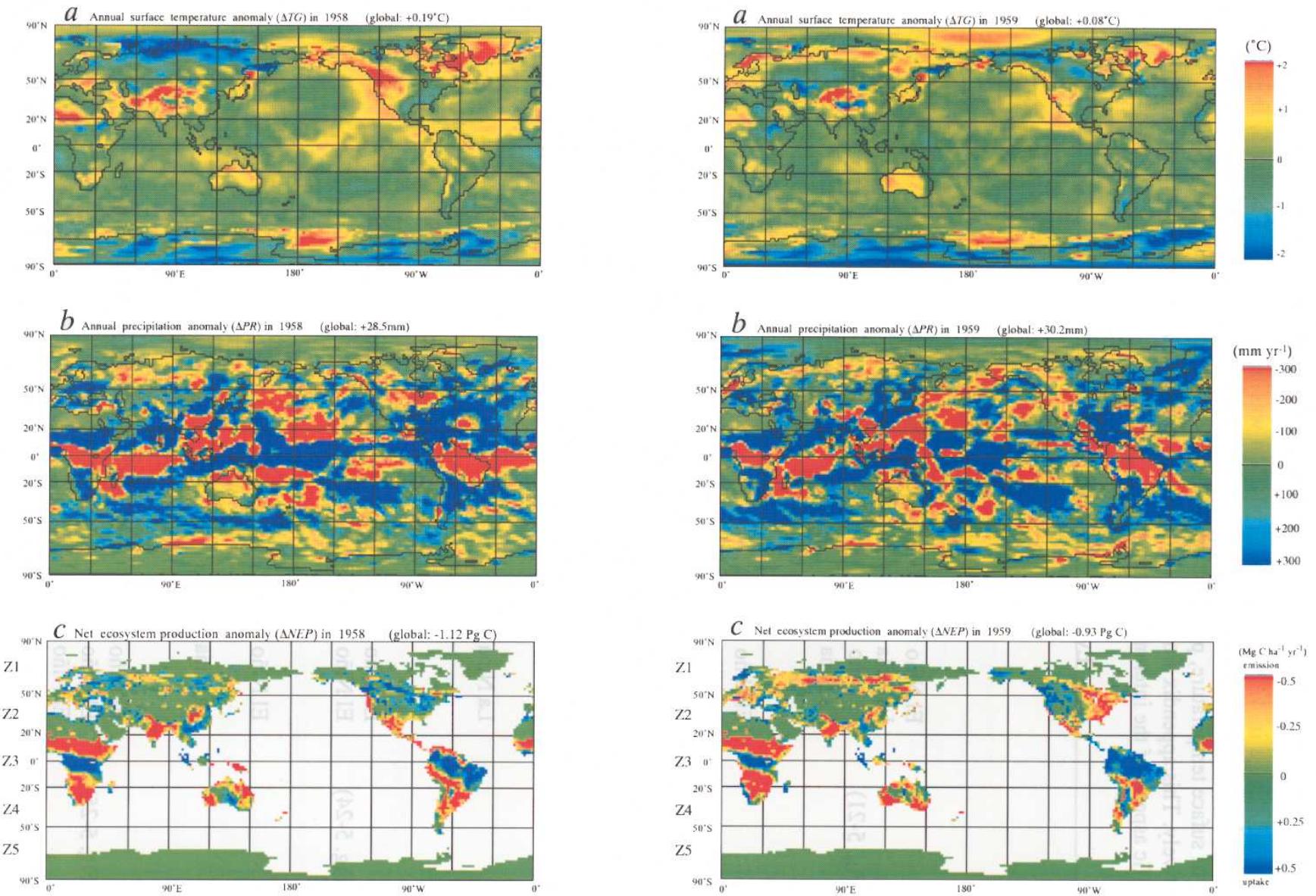


Fig. B-1. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1958 and 1959 are shown.

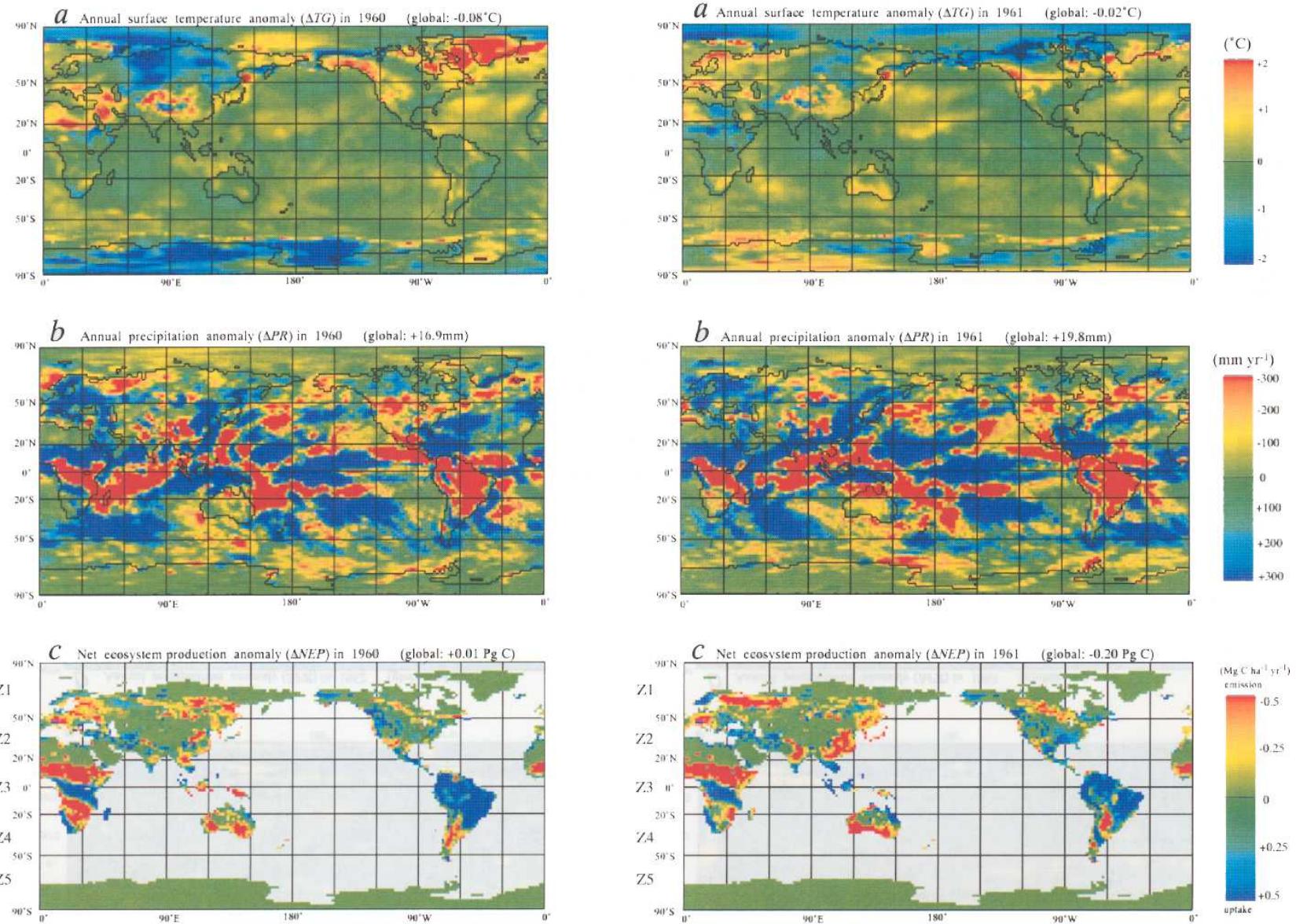


Fig. B-2. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1960 and 1961 are shown.

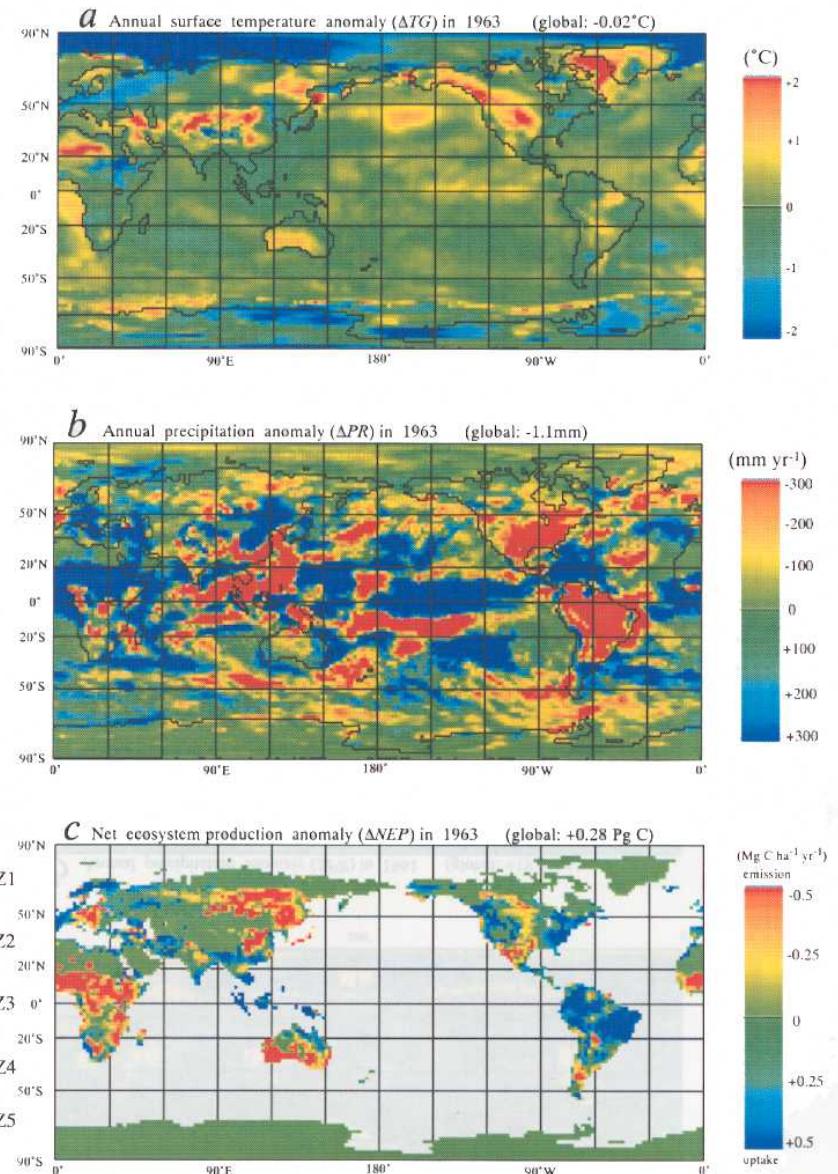
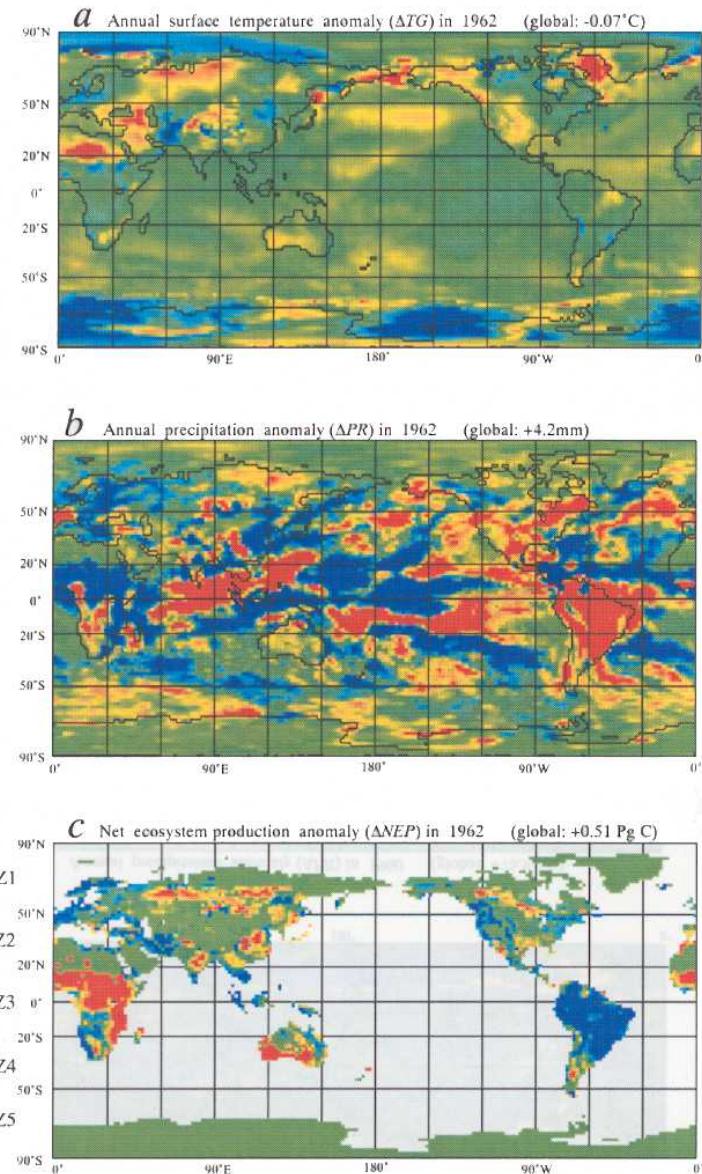


Fig. B-3. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1962 and 1963 are shown.

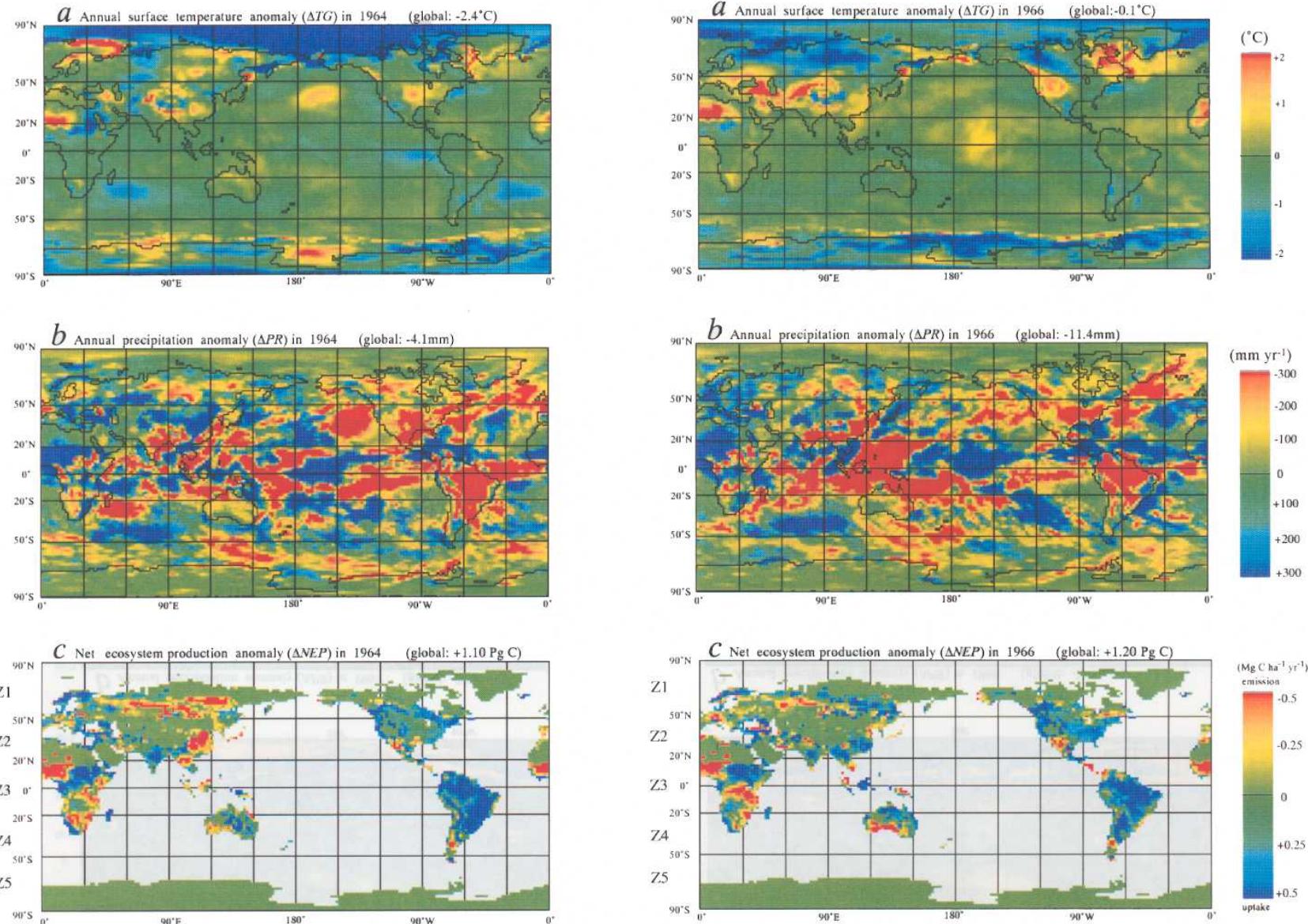


Fig. B-4. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1964 and 1966 are shown.

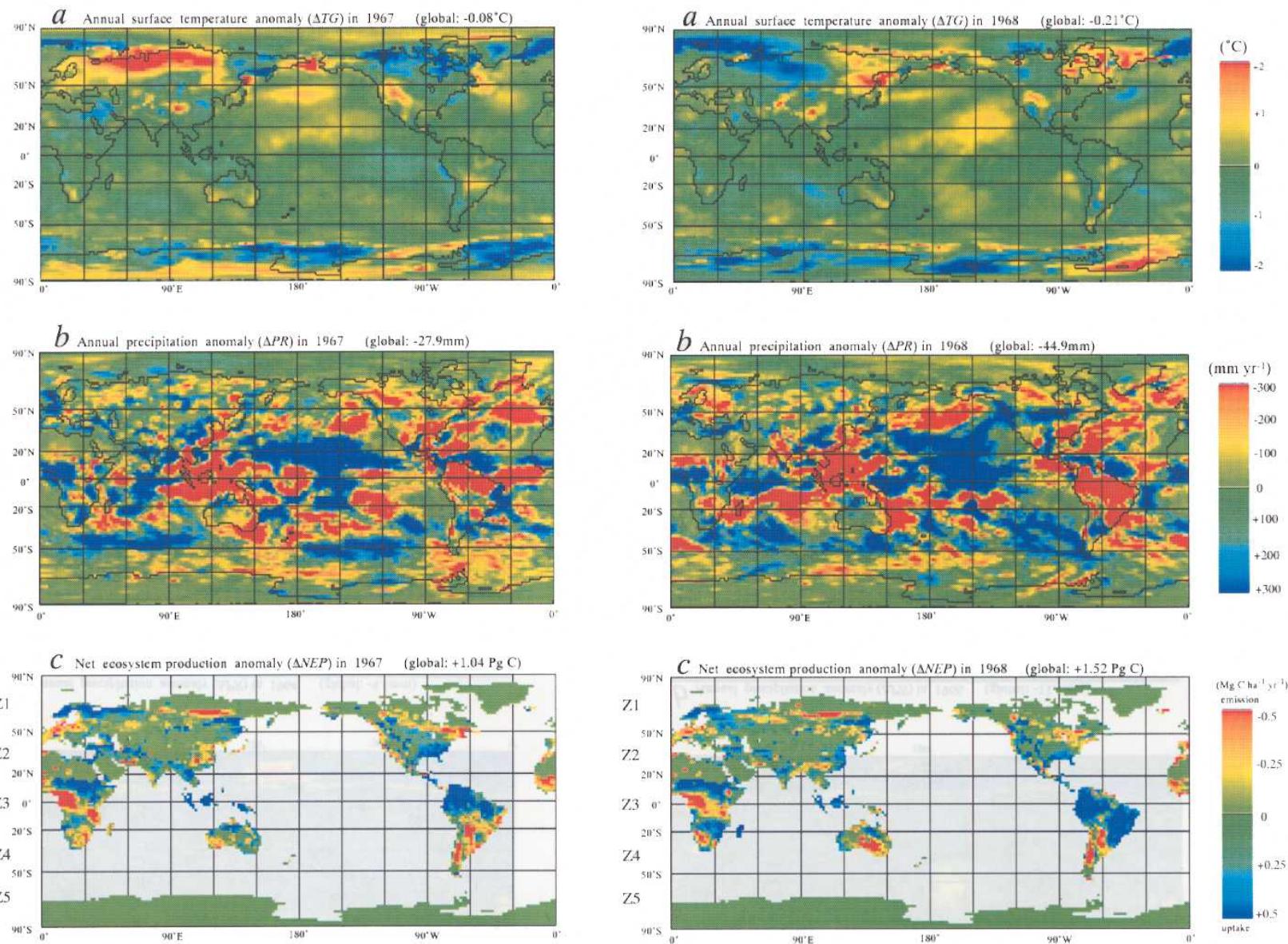


Fig. B-5. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1967 and 1968 are shown.

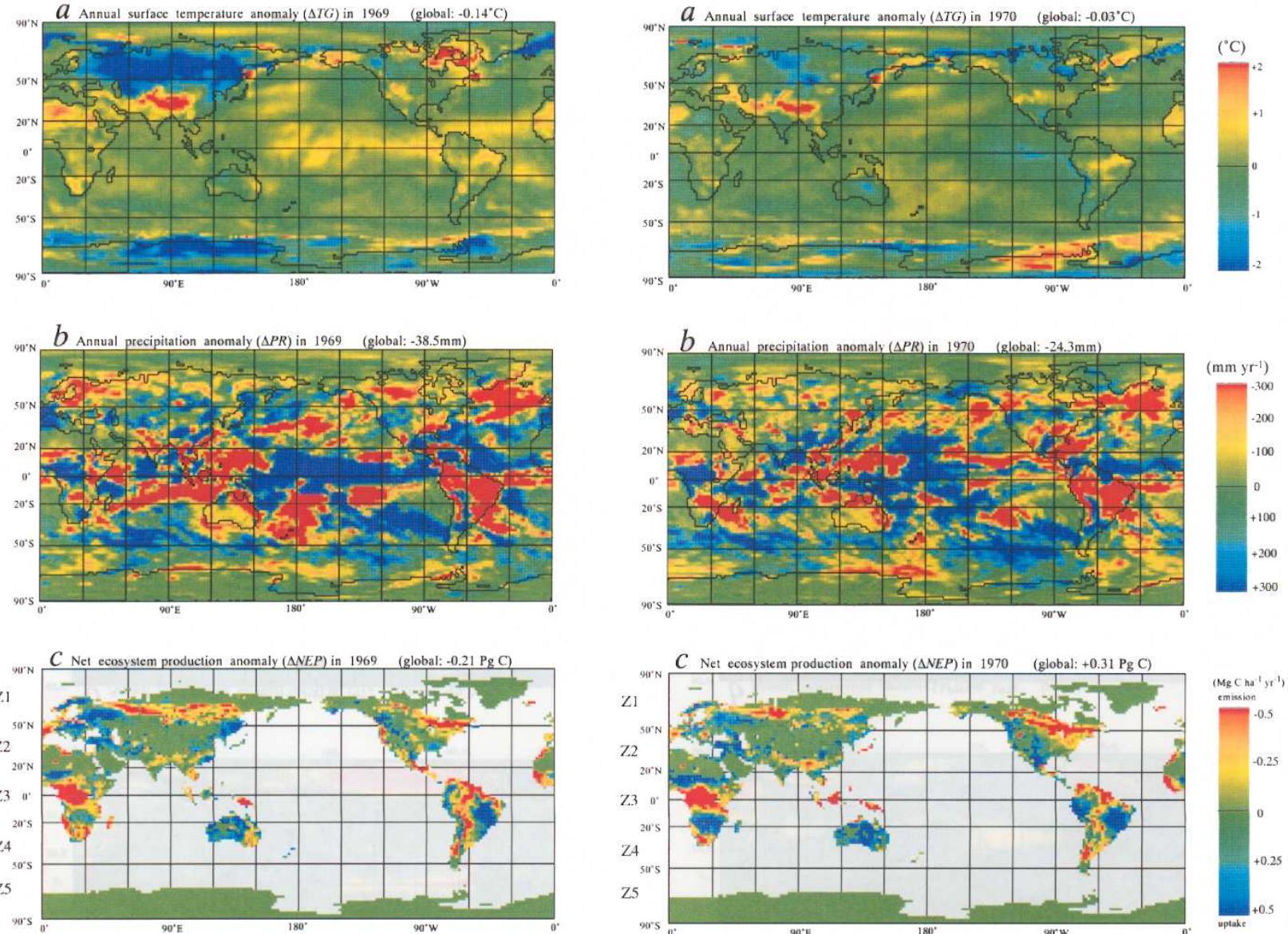


Fig. B-6. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1969 and 1970 are shown.

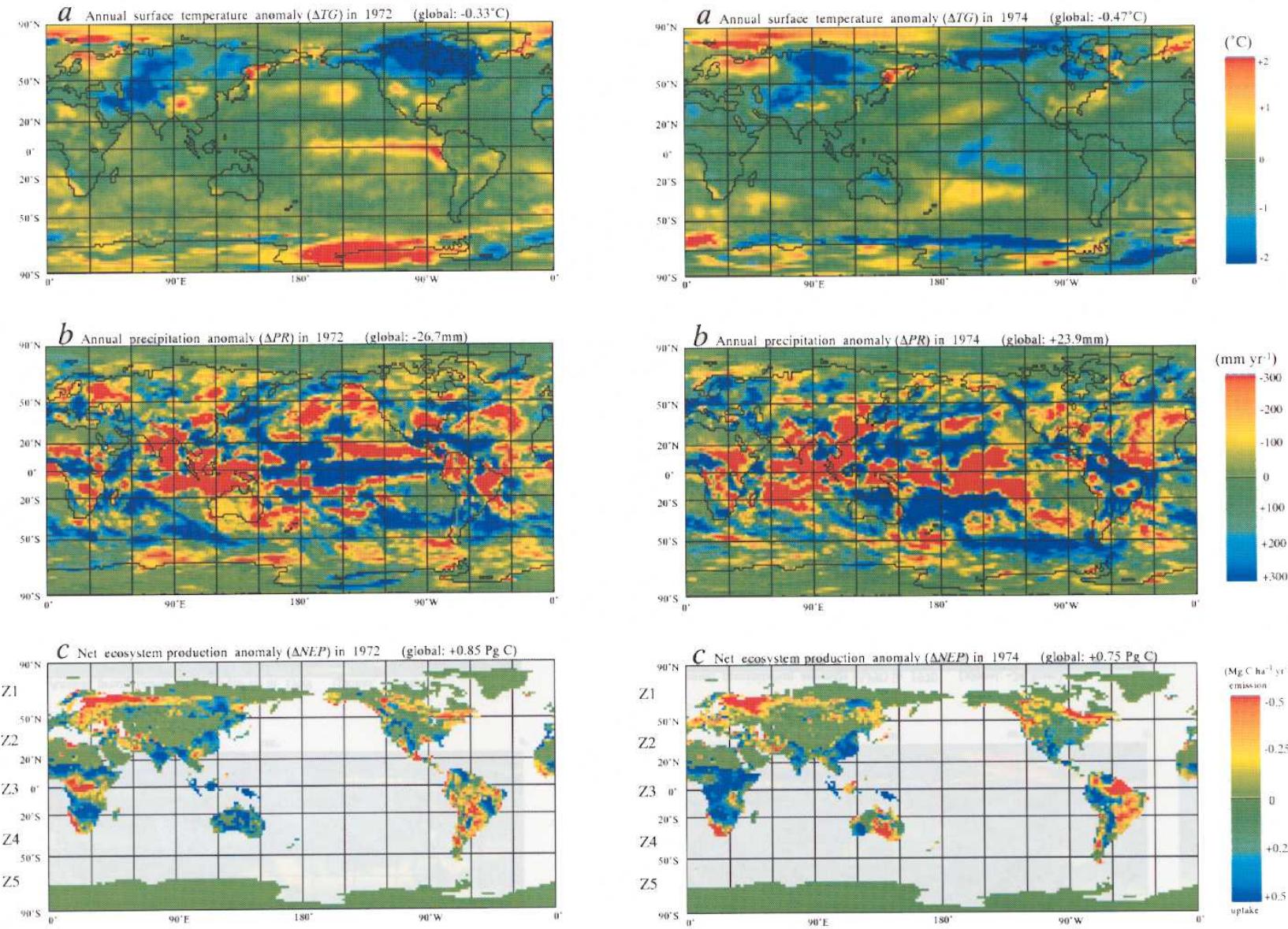


Fig. B-7. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1972 and 1974 are shown.

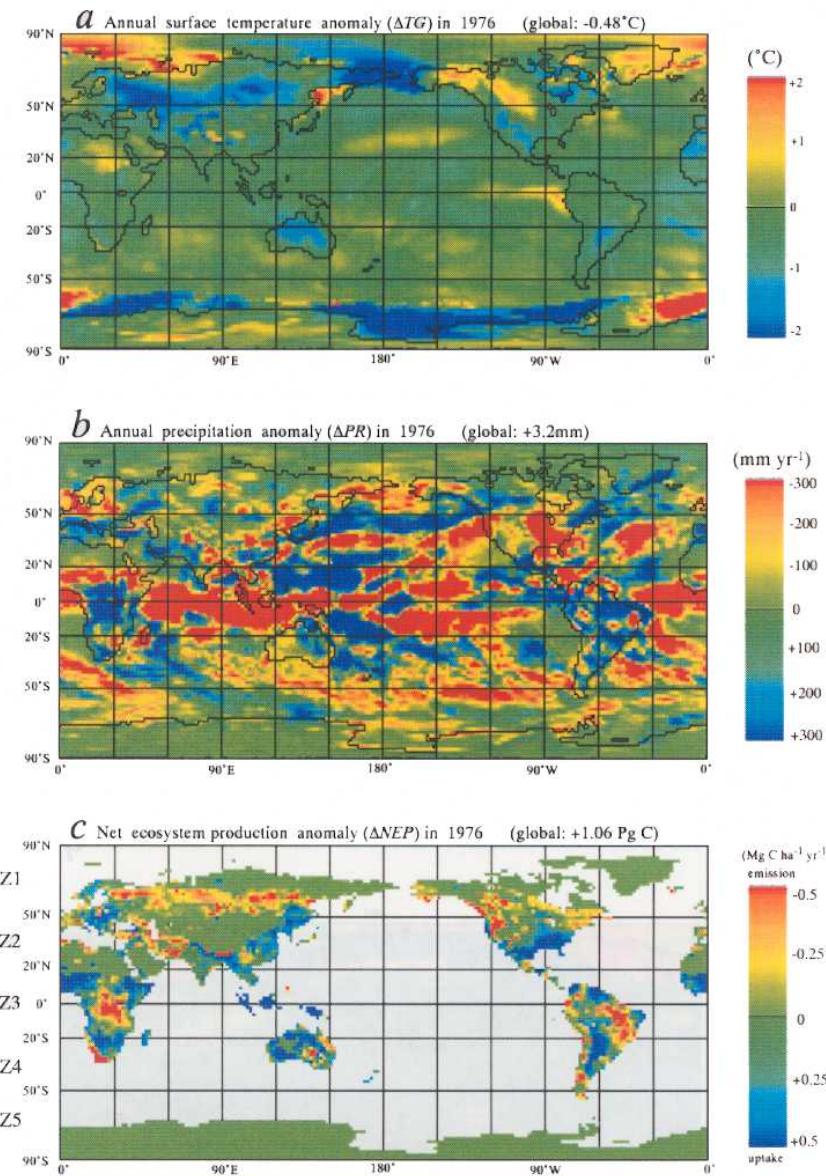
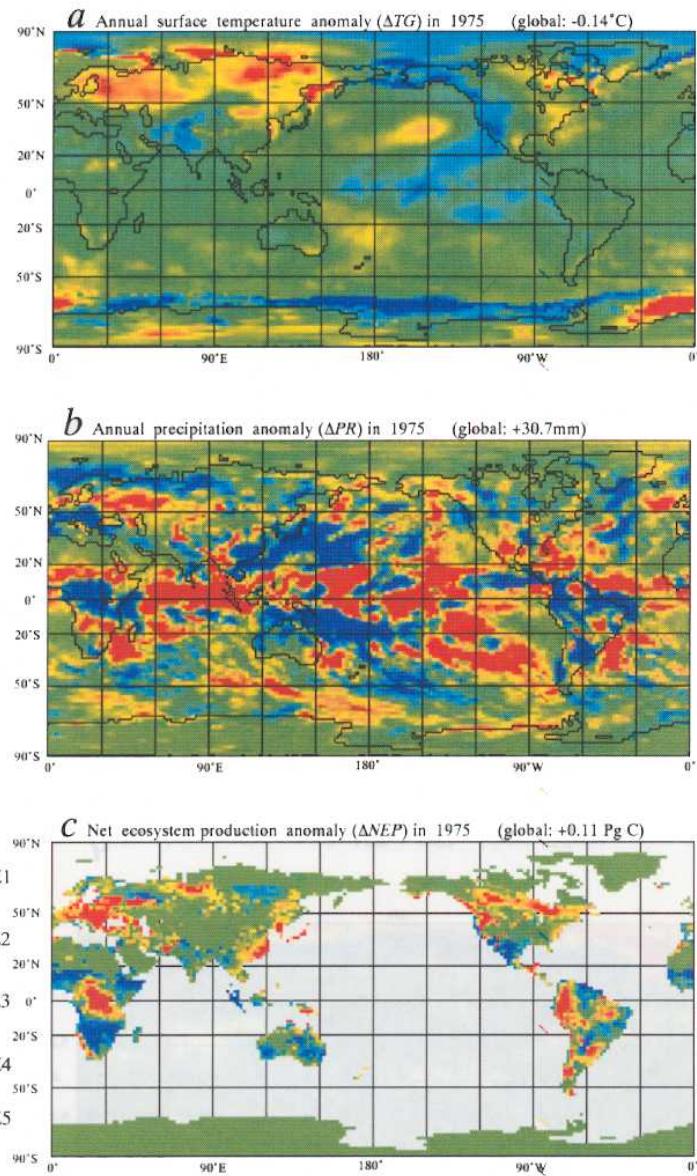


Fig. B-8. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1975 and 1976 are shown.

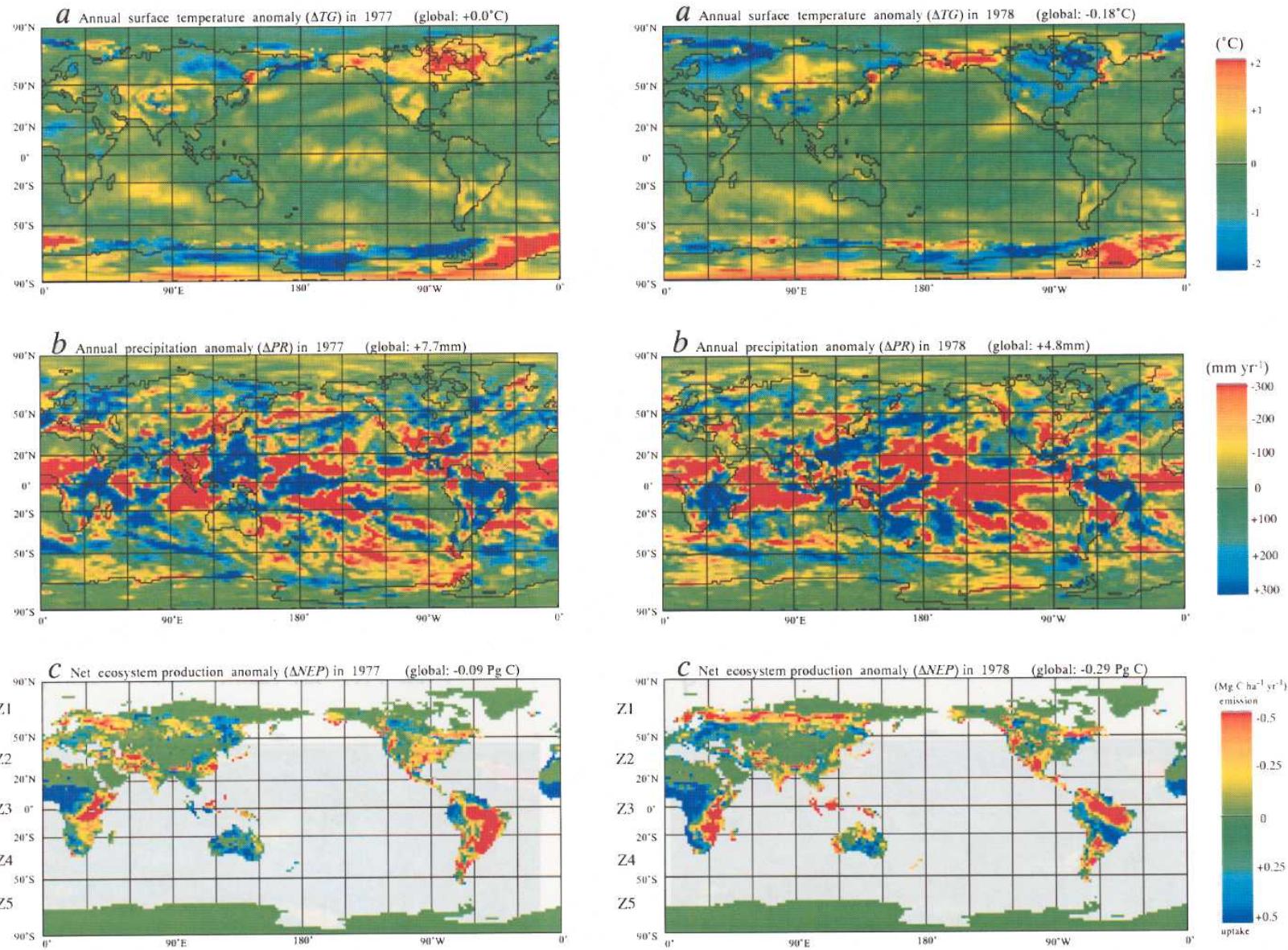


Fig. B-9. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1977 and 1978 are shown.

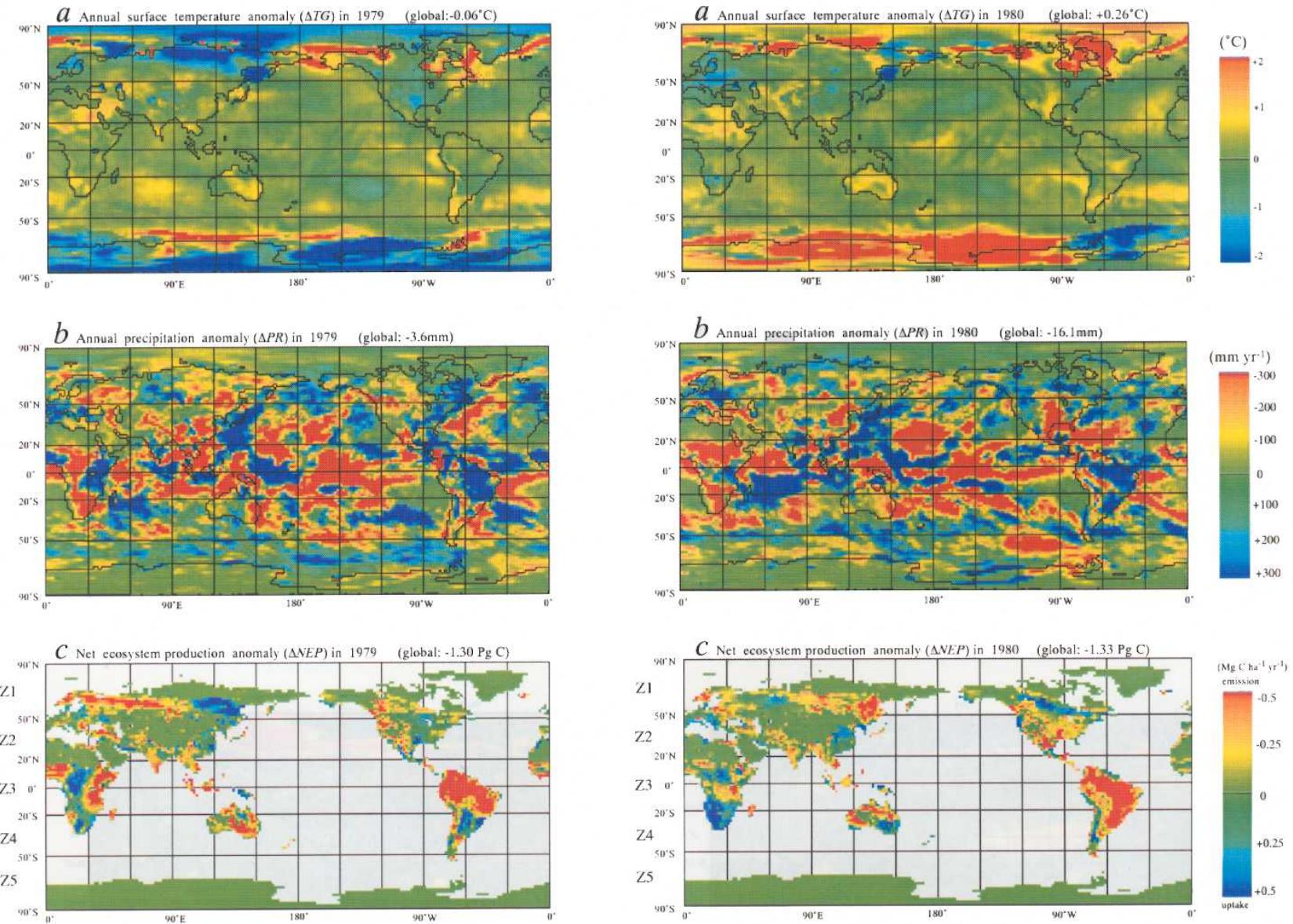


Fig. B-10. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1979 and 1980 are shown.

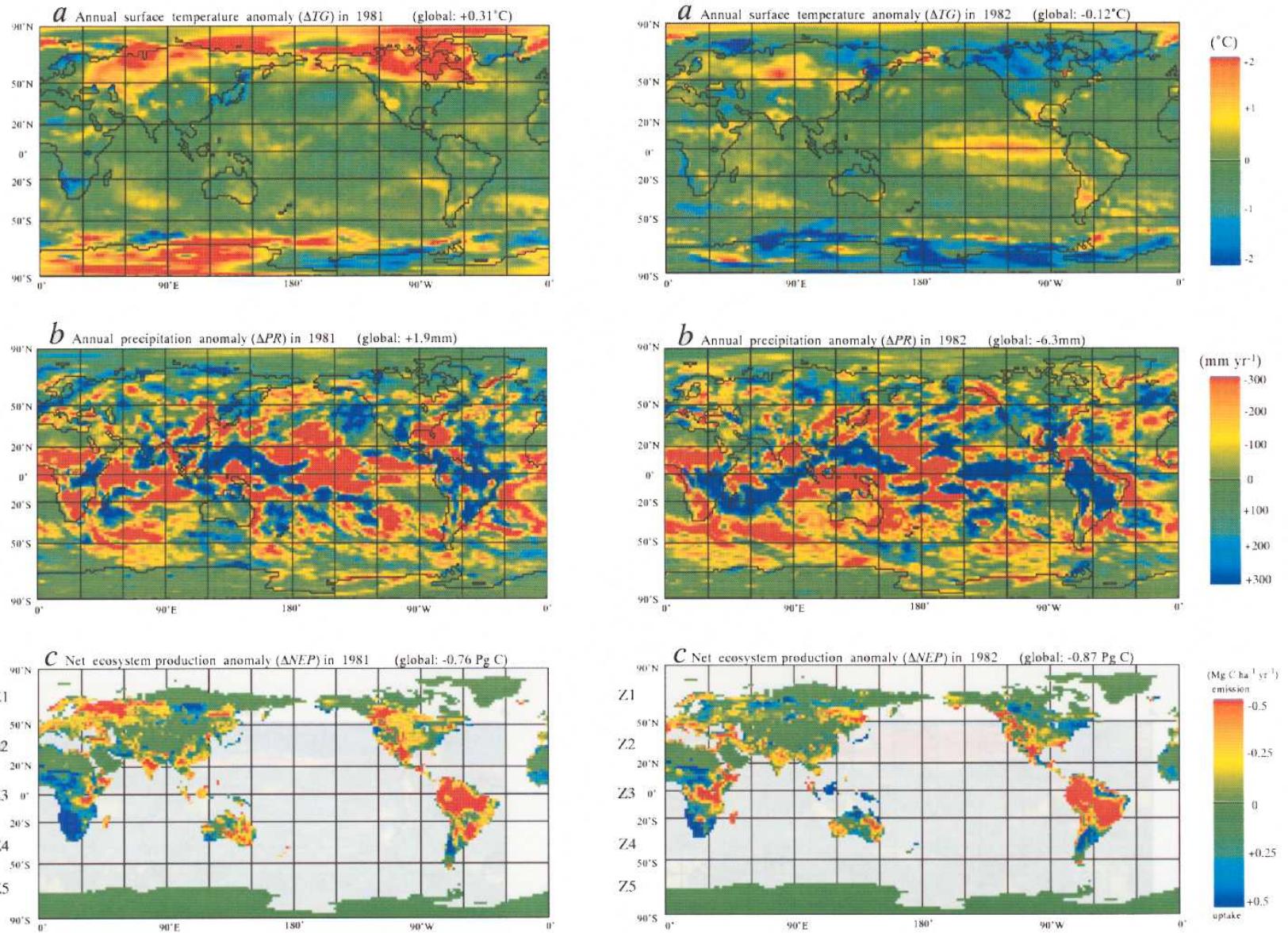


Fig. B-11. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1981 and 1982 are shown.

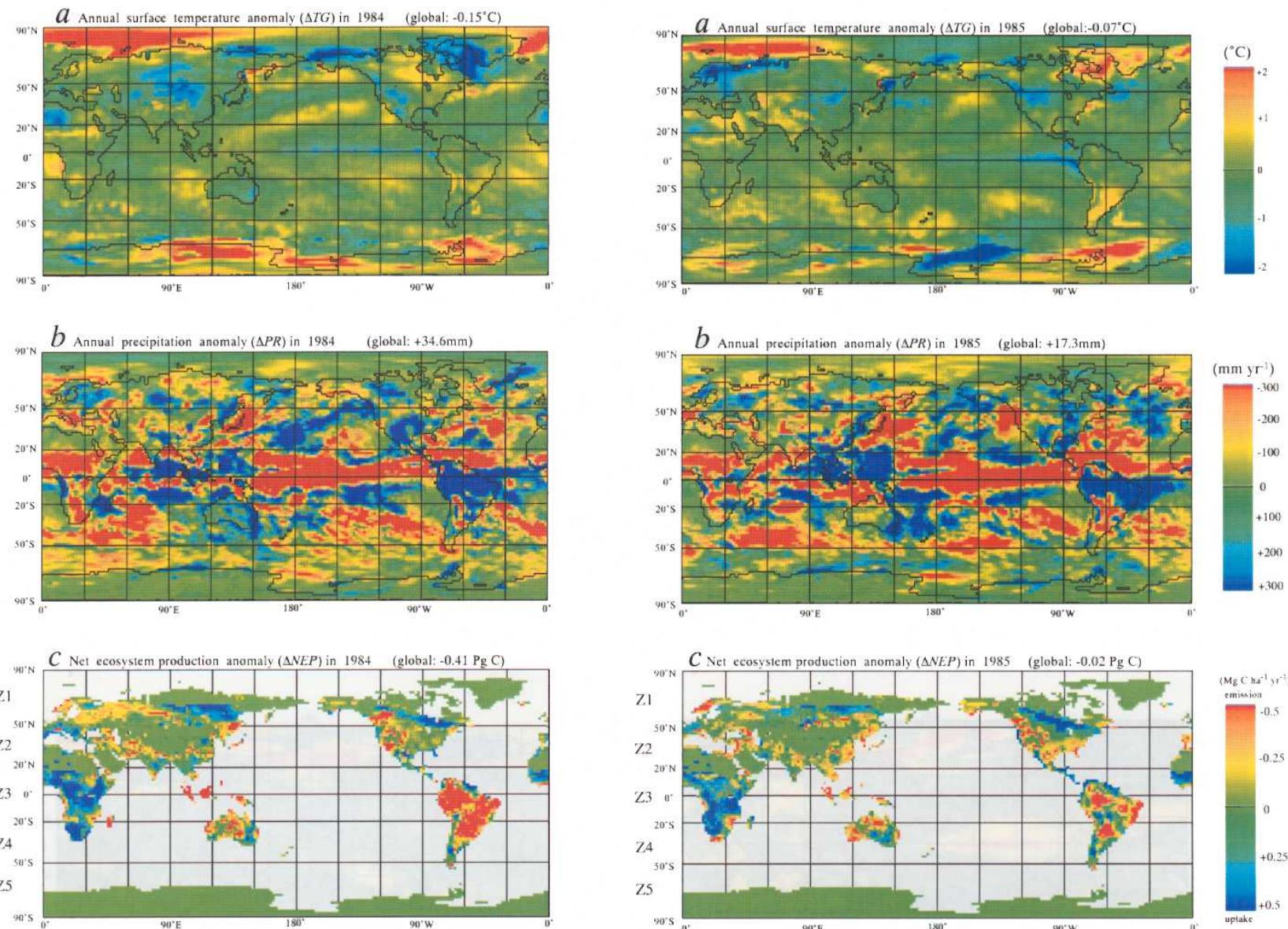


Fig. B-12. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1984 and 1985 are shown.

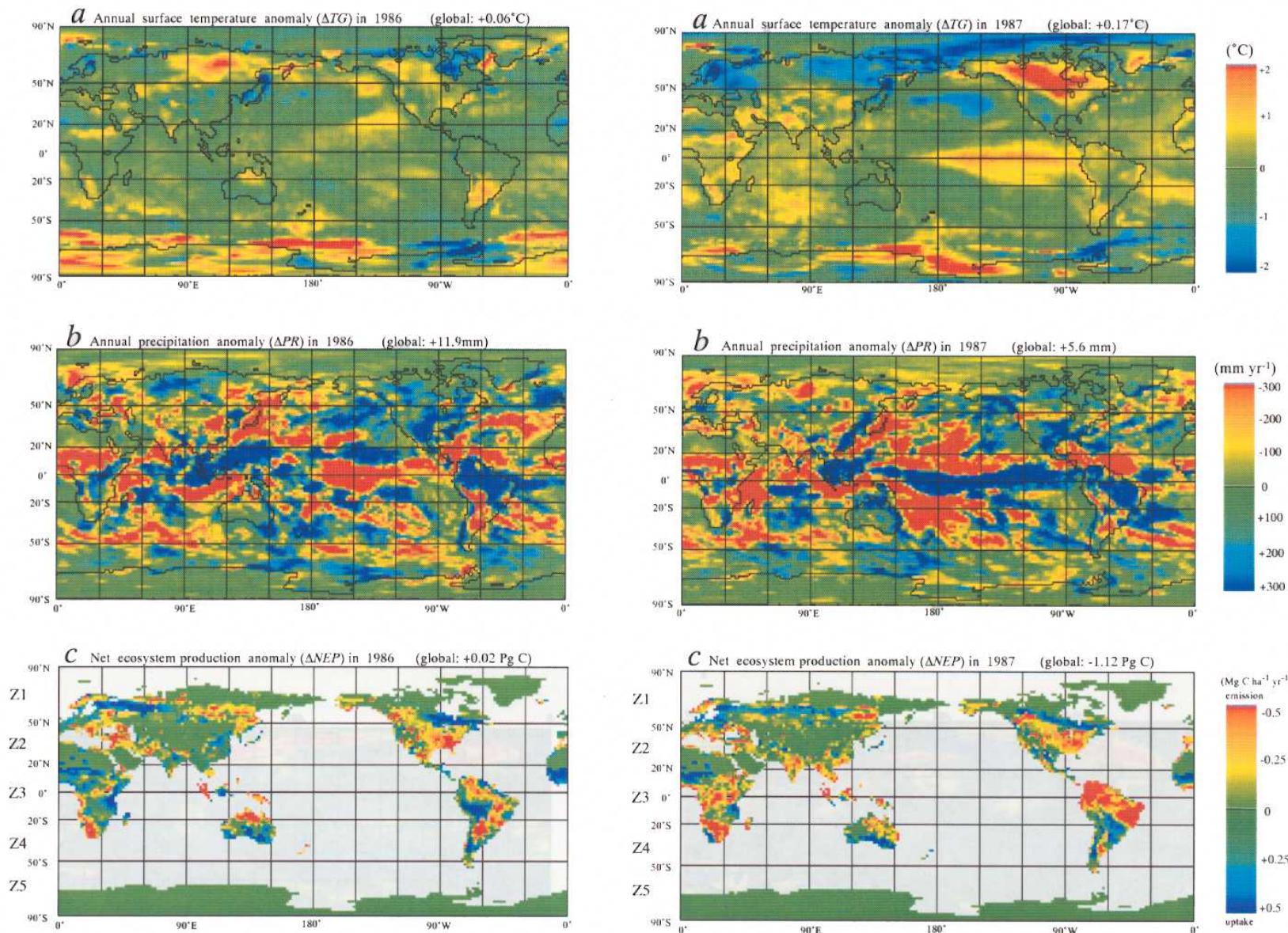


Fig. B-13. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1986 and 1987 are shown.

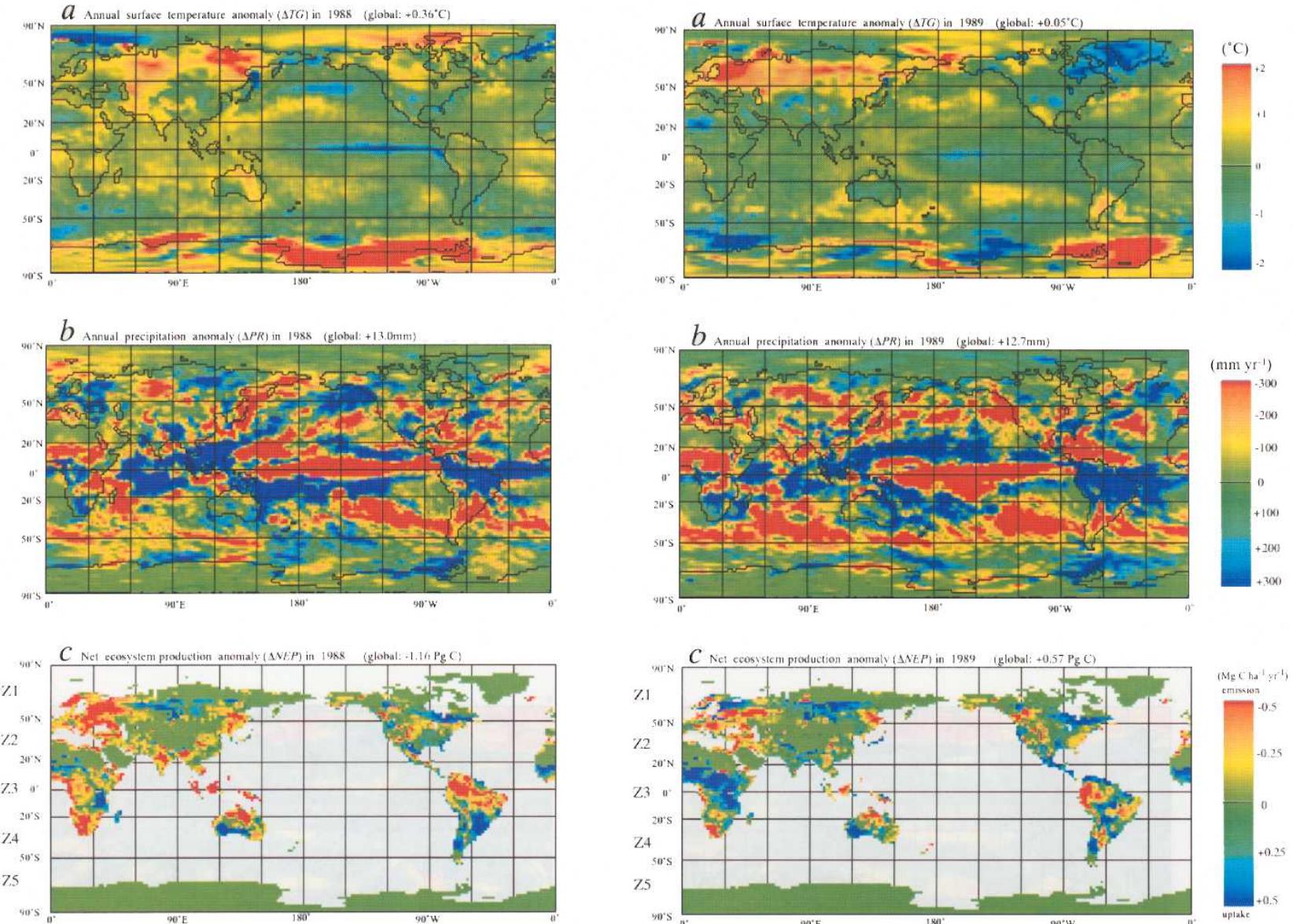


Fig. B-14. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1988 and 1989 are shown.

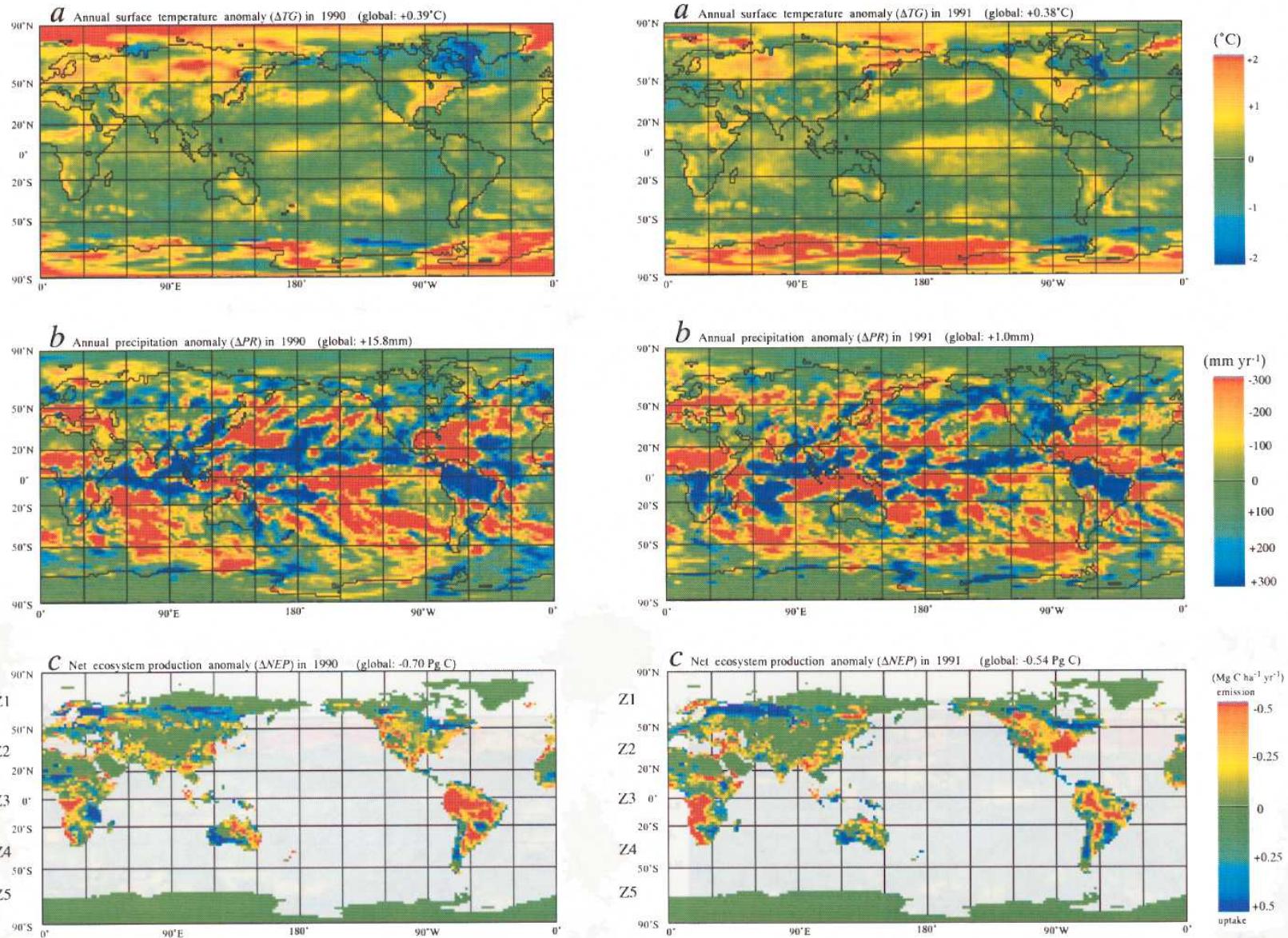


Fig. B-15. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1990 and 1991 are shown.

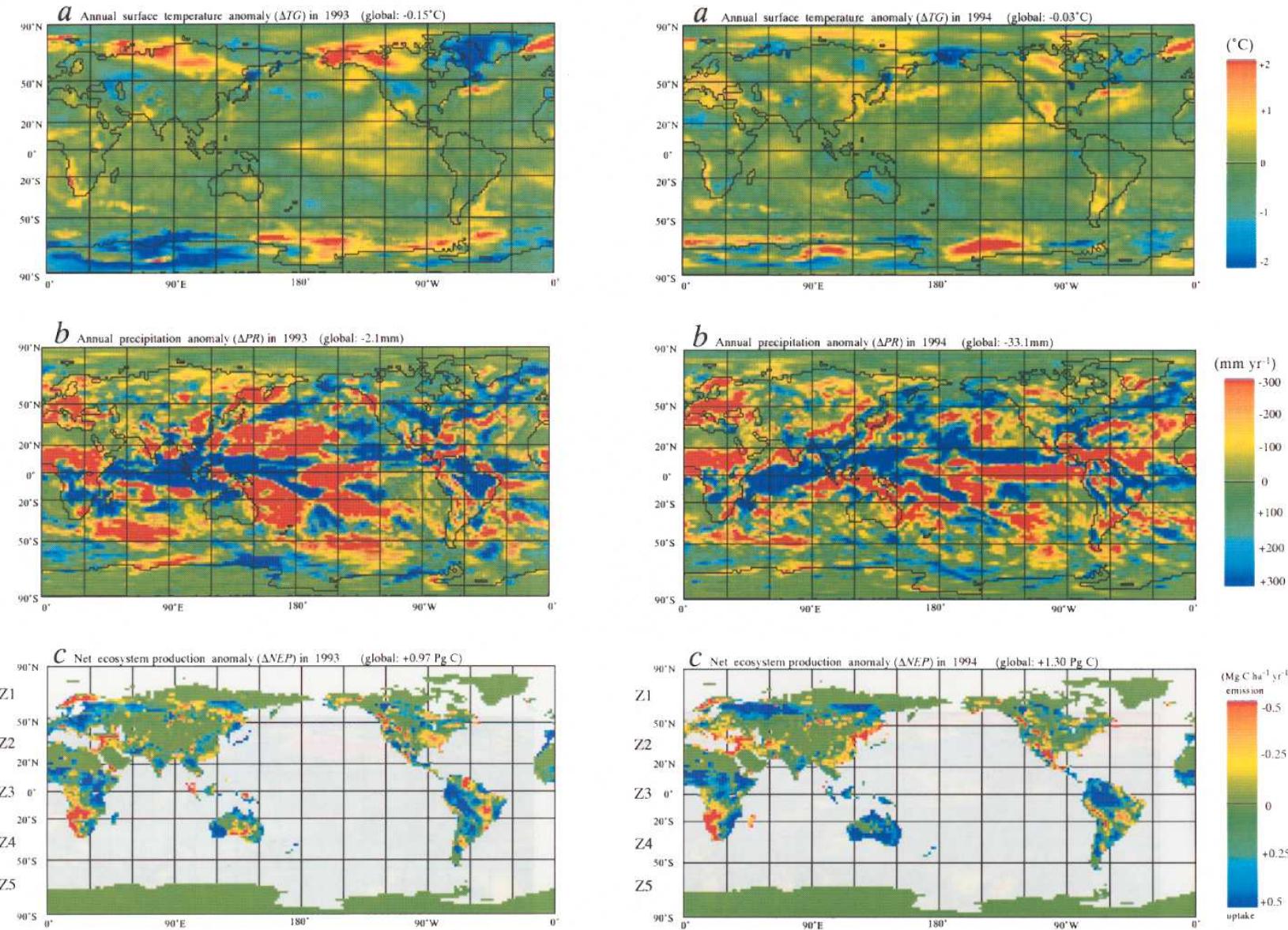


Fig. B-16. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1993 and 1994 are shown.

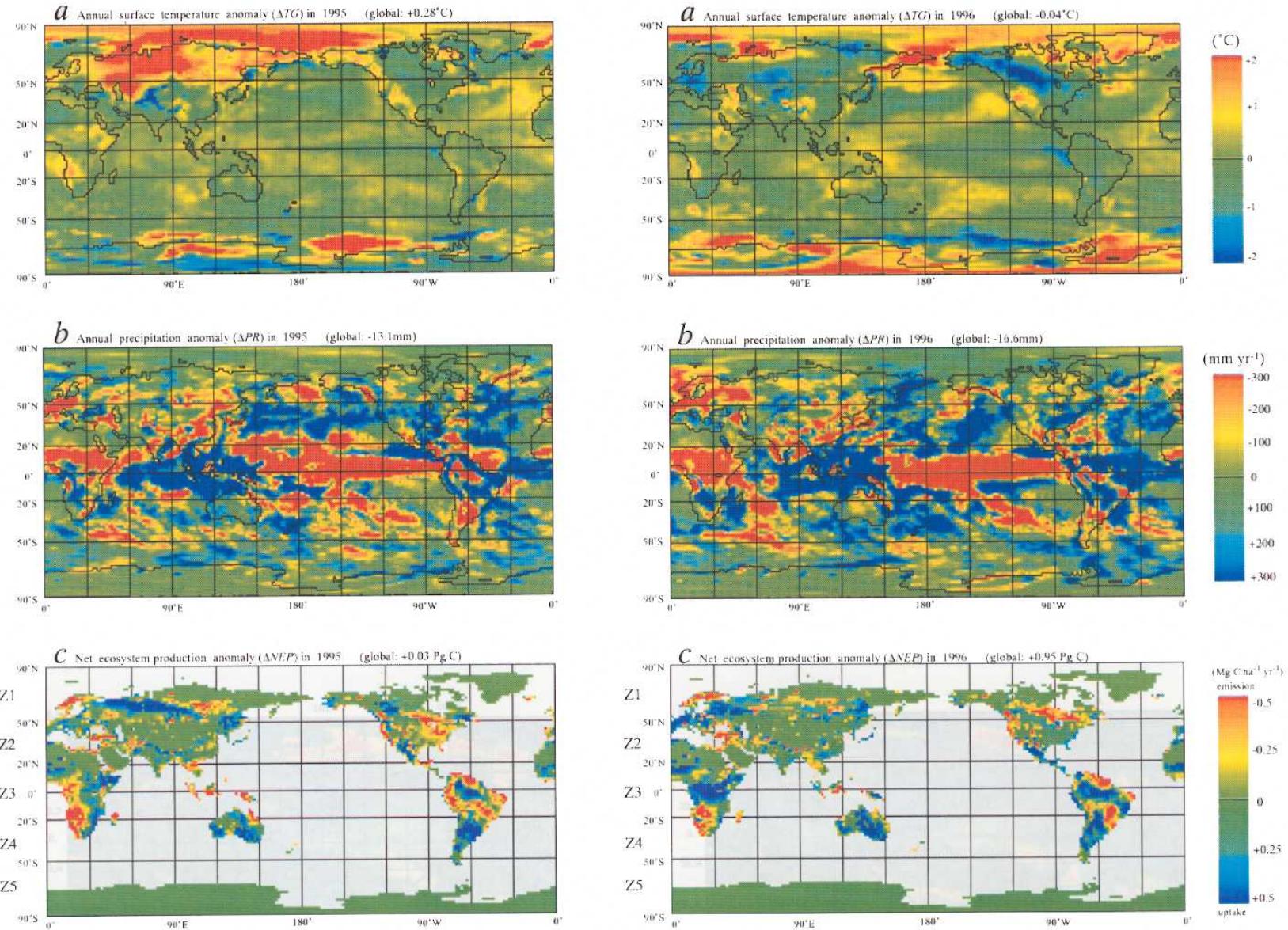


Fig. B-17. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) and annual *NEP* estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1995 and 1996 are shown.

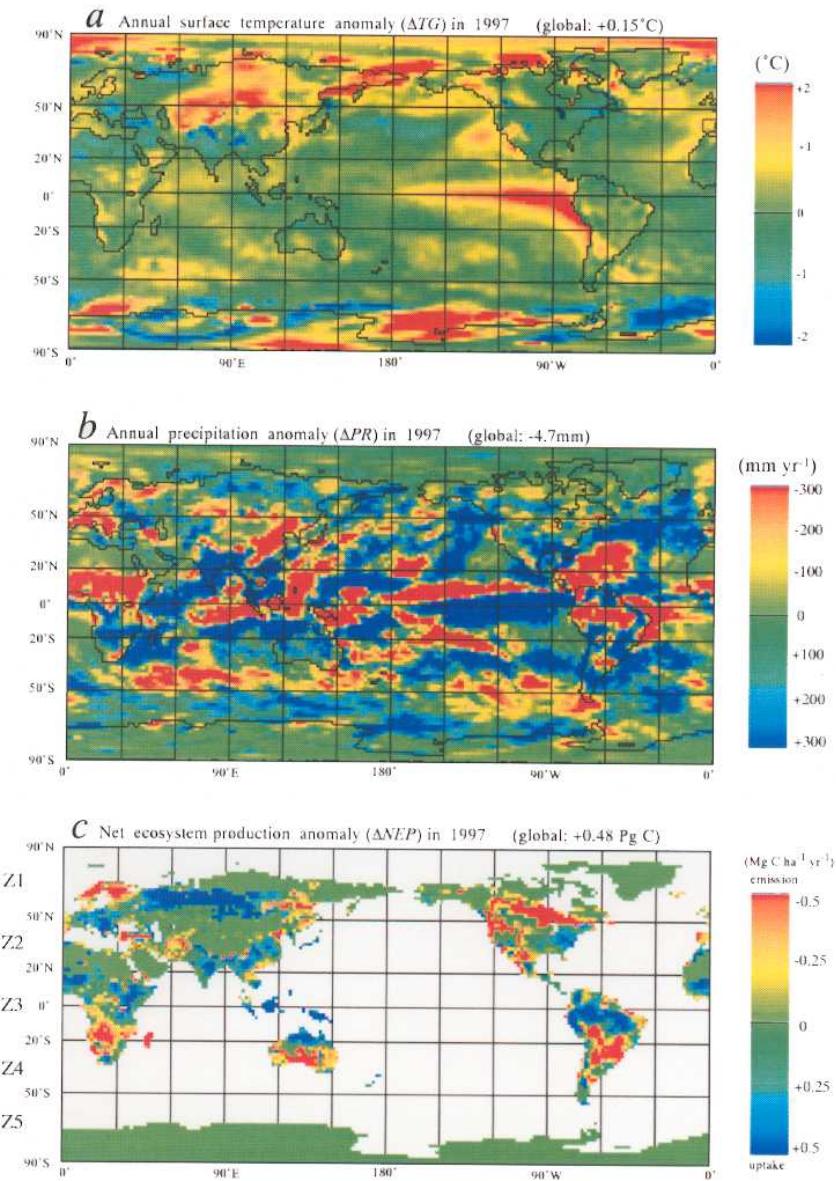


Fig. B-18. Anomalies in (a) annual mean surface temperature, (b) annual precipitation, and (c) annual NEP estimated by the Sim-CYCLE 41-year simulation analysis. The features in 1997 are shown.