Earth's Future Climate

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Abstract. Climate change occurs on timescales ranging from annual changes associated with El Niño, through decadal changes, to multidecadal trends linked to global warming. It affects us all in our daily lives, impacts the performance of much of industry, and leads to billions of pounds of damage worldwide each year. In many countries the general public is becoming concerned as press reports, personal experience and anecdotal information all point to an increase in the frequency and severity of extreme weather events linked to climate change. Many opinions have been expressed on the subject from the doomladen to the dismissive. This paper aims to state clearly the current scientific position on climate change, and to provide informed scientific projections for Earth's climate into the next millennium. This will help decision makers, managers of weather risk, and all with an interest in our future climate.

Phil. Trans. R. Soc. Lond. A, <u>357</u>, 3459-3480, 1999 (Full version with four colour plates may be obtained from <u>Dr Mark Saunders</u>)