

TIME HISTORY OF LOW ENERGY GCR MODULATION AT EARTH AND ULYSSES

J.B. Blake (1), M. Fränz (2) and B. Heber (3)

(1) Space Sciences Department, The Aerospace Corporation, Los Angeles, CA 90009, USA, (2) Queen Mary & Westfield College, London, E1 4NS, UK, (3) University of Osnabrück, Department of Physics, Barbarastr. 7, 49069 Osnabrück, Germany.

The time history of the modulation of the low-energy GCRs ($E > 100$ MeV) as seen at Ulysses (EPAC and KET investigations) and Earth (SAMPEX and Polar measurements) is compared. Over the year between Autumn 1999 and Autumn 2000 the GCR intensity decreased by a factor ≈ 1.7 at both locations. The fine structures in the temporal variations of the GCR intensities at both Ulysses and Earth were very similar suggesting that the modulation was quite coherent in the inner solar system. Comparisons of the modulation at the two locations will be shown and the differences related to solar activity.