

CORRIGENDUM

'MHD Rankine-Hugoniot equations applied to earth's bow shock', by J. D. MIHALOV, C. P. SONETT AND J. H. WOLFE. *J. Plasma Physics*, vol. 3, 1969, p. 449.

One correction to column 2, table 2, page 455, has already been given (*J. Plasma Physics*, vol. 4, 1970, p. 643). In addition, the computed downstream convective velocities in columns 2, 3 and 4 of table 2 are given in a co-ordinate system moving at 29.8 km s^{-1} in the direction opposite planetary motion ($-T$ direction), not in a heliocentric system as stated. The measured T -component and magnitude of downstream velocity in column 1 of table 2 only must be read as -59 ± 14 and $169 \pm 20 \text{ km s}^{-1}$, respectively, for a valid comparison with these computed results. However, the calculations have also assumed that the shock is moving at 29.8 km s^{-1} in the $-T$ direction with respect to *Earth* (i.e. shock velocity is zero in the heliocentric system). This describes a non-physical situation, which could only apply to one of a series of crossings of a bow shock with an oscillating location. The conclusions of the paper are unchanged if the shock is assumed stationary, and if measured, computed and biased results are all expressed in a heliocentric system.