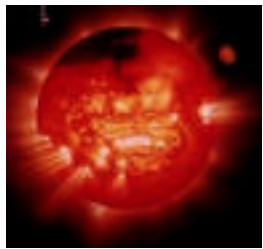
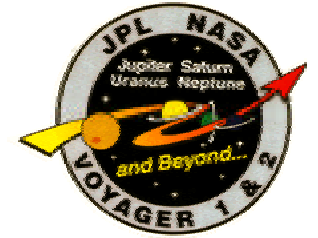
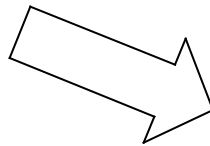




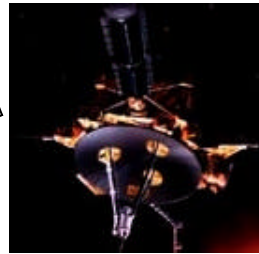
Slowdown of the Solar Wind in the Outer Heliosphere



Sun

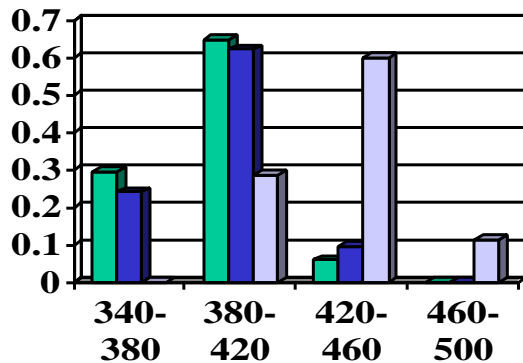


Ulysses (~5AU)

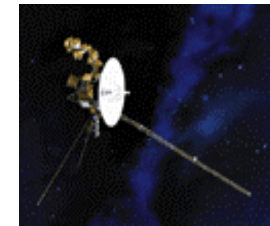
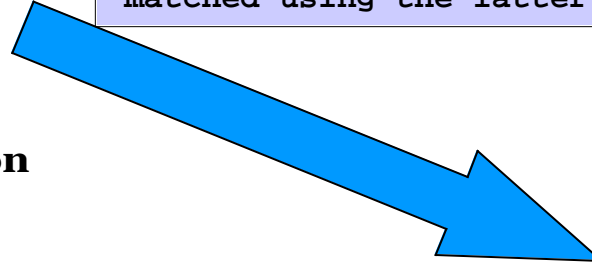


In 1999 Ulysses and Voyager 2 were at the same latitude and so observed nearly the same solar wind. We used an MHD model and the Ulysses data to predict the solar wind speed Voyager 2 would see 8 months later. The histograms show the percentage of speeds 1) observed (green bars) 2) predicted if the local interstellar medium (LISM) neutral hydrogen density were 0 (light blue bars) and 3) predicted if the LISM density at the termination shock were 0.05/cc (dark blue bars). The speed data are well matched using the latter LISM density.

Solar Wind Speed Distribution



■ Observation
■ MHD PI (n=0.05/cc)
■ MHD (n=0)



Voyager 2 (~60 AU)

Submitted by John Richardson, MIT