We perform a multi-spacecraft validation study for the recently developed 3D, Two-Temperature, Alfvén-wave-driven global solar wind model.

- Observations from STEREO A/B, ACE/WIND, Venus Express, SOHO, and Hinode.
- Density and temperature comparison by using DEMT method.
- Ionic charge states comparison by using a newly developed freeze-in code.

SHINE Session: Comparing and Validating Models of the Corona and Inner Heliosphere