

## SATURN ENCOUNTER: FIRST RESULTS FROM THE CASSINI PLASMA SPECTROMETER

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On June 30 UTC the Cassini spacecraft was placed into orbit around Saturn. During the inbound leg of the orbit prior to insertion around Saturn, the Cassini Plasma Spectrometer (CAPS) observed the electron and ion components of magnetospheric plasma populations with unprecedented temporal, and spatial resolution. Observations of the plasma populations directly over the B and outer rings were also made during orbital insertion. The CAPS measurements consisted of electrons between 1 and 30,000 eV, ion beam distributions between 1 and 50,000 eV and ion composition between 1 and 50,000 eV. In this presentation we will discuss initial and preliminary results from the measurements.

Electronic submittal information:

1. COSPAR 2004
2. First submission
3. Saturn encounter: First results from the Cassini Plasma Spectrometer
4. YOUNG, D.T.; BARAGIOLA, R.A.; BARRACLOUGH, B.L.; BERTHELIER, J.-J.; BLANC, M.; BURCH, J.L.; BOLTON, S.; COATES, A.J.; CRARY, F.J.; DELAPP, D.; FURMAN, J.D.; GLEN, D.; GOLDSTEIN, R.; GRANDE, M.; HILL, T.W.; ILLIANO, J.-M.; JOHNSON, R.E.; KELHA' V.; LINDER, D.R.; MCCOMAS, D.J.; MURSULA, K.; NARHEIM, B.T.; SITTLER, E.C.; SVENES, K.R.; SZEGÖ, K.; TANSKANEN, P.; THOMSEN, M.F.; VILPPOLA, J.; ZINSMEYER, C.
5. B0.5/D3.7/C3.4, Saturn: Cassini/Huygens Arrival and System Science

6. Matson, D. and J.-P. Lebreton
7. 1 LCD projector
8. NONE
9. Oral
10. Word
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