



Rotating and periodic phenomena at Saturn: circulation, magnetic cam, cusp, current sheet and SKR.

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The latest results from the Cassini magnetometer are reported with particular attention to the polarisation and origin of the magnetic cam shaft signal seen in the dipolar region of the magnetosphere and its relation to the cusp and possible origin of the SKR radio emissions. Data from the distended magnetic field of the current sheet seen both on day and nightside are also discussed from the point of view of the periodic features of the data in those regions. Evidence is adduced from the magnetic field alone for a large part of magnetospheric circulation being periodic and consistent with aspects of rotating circulation systems proposed earlier for the jovian system but also consistent with suggestions from other Cassini instrument teams.