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Abel-inverted visible emission images of tokamak plasmas sustained by (a) RF (21 MHz) wave and (b) EC (2.45 GHz) wave, respectively. Not only EC heating, but also RF heating can drive the plasma current and sustain the tokamak plasma noninductively. Unlike the EC sustained plasma, the shape of RF sustained plasma hardly changes even when the toroidal magnetic field is changed. (Osamu WATANABE *et al.*, Plasma and Fusion Research Vol.3, 049 (2008) <http://www.jspf.or.jp/PFR/>)