

## **New SpW Data Products and Accessibility in the TSRS Coronal Radio Surveillance**

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The Trieste Solar Radio System (TSRS) performs a continuous surveillance of the coronal activity in the metric and decimetric bands in automatic mode. High time resolution (1 ms) radiopolarimetric data at 6 observing frequencies (237, 327, 408, 610, 1420, 2695 MHz) are digitally recorded and 1-min average solar radio indices are derived and published in near real-time on Internet. Recently TSRS joined SWENET, the European Space Weather Network evaluation project promoted by the ESA. Accordingly the set of radio data products relevant to Space Weather (SpW) was enriched and the data accessibility and distribution were improved. 1-min average radio indices and 1-min max radio values are made available in downloadable graphical as well as in text format. The computing granularity is 1 minute, but at present hardware constraints in the digital acquisition system limit the publication cadence to 10 minutes; hence the predicted values of radio indices are derived as 10 min ahead values. They are published on a newly redesigned web site, which is reachable via Internet as well as via mobile phones via WAP. All the high time radio data and relevant SpW products are made available in near real-time as FITS, graphic and text files and to improve their accessibility all of them are indexed in SOLAR, the SOLar ARchive of TSRS managed by a RDBMS and searchable via web through a graphical user interface. These improved operational features provide both enhanced SpW data products for nowcasting purposes and improved data accessibility for forecasting and statistical analyses.