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A prototype system of tomography is installed on a linear cylindrical plasma, PANTA in Kyushu University, aiming at the measurements of local turbulence and cross-scale couplings over the entire plasma. The successful results start to be obtained simultaneously for ArI and ArII emission. The figures show examples of the obtained data including temporal evolution of local emission signals (top), wavelet spectral evolutions (middle) and FFT spectra (bottom). (Akihide FUJISAWA *et al.*, Plasma and Fusion Research Vol. 10, 1201080 (2015) <http://www.jspf.or.jp/PFR/>)

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Tel 052-735-3185, Fax 052-735-3485, E-mail: plasma@jsof.or.jp, URL: <http://www.jspf.or.jp/>