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Observations of structures connected with magnetic reconnection in the solar wind

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Magnetic reconnection is a process that changes magnetic field configuration and converts a magnetic energy to the flow energy and plasma heating. Reconnection can occur at boundaries where different magnetic field topologies encounter each another and thin current sheets are created. In the paper, we present the observations of unusual reconnection events in the solar wind. We identify magnetic reconnection exhausts accompanied by two side jets that are oriented in the same direction as the main exhaust jet but they are spatially separated from it. This set of magnetic reconnection events is observed simultaneously by several spacecraft located in the solar wind, and it allows us to conclude that the side jets are observed around the main X-line. A source of the side jets is probably multiple reconnection occurring in the vicinity of the main X-line.