

Conjugacy of WTS auroras observed at Syowa-Iceland conjugate-pair stations

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Conjugate point of Syowa Station in Antarctica is located in Iceland, making an ideal pair of conjugate stations in the auroral zone. Westward Traveling Surge (WTS) was observed at the conjugate-pair stations about 2000UT on September 30, 2000. This isolated WTS aurora showed very similar forms and motion at both hemispheres, but the aurora at Syowa displaced eastward than that at Raufarhofn in Iceland referring the magnetic field model.