Comparison of station coordinates using GPS and Galileo ambiguity-fixed phase measurements

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Since October 2018, Galileo orbit and clock products are available from the GRG (CNES-CLS) IGS Analysis Center. Ambiguity resolution is enabled and based on undifferenced phase observations similar to the GPS products. The quality of the Galileo products is evaluated from orbit overlaps between consecutive arcs and ambiguity resolution success rate. We also compare daily and sub-daily coordinate solutions from a global network and with ambiguity resolution using Galileo, GPS and Galileo+GPS products. Special consideration is paid to the characterization of the differences in coordinate noise levels and in the spurious periodic coordinate variations shorter than a few months between GPS and Galileo solutions.