

Name: Nicolas STUSSI  
Organization: SPOT IMAGE CORPORATION  
Address 1: 14595 Avion Parkway, Suite 500  
Address 2:  
City: Chantilly  
State: VA  
Zipcode: 20151  
Country: USA  
Business Phone: 703 715 3129  
Other Phone: 703 715 3100  
Fax: 703 715 3120  
Email: stussi@spot.com  
Presentation Type: Oral

Presentation Title: Comparison of SPOT Reference3D Digital Elevation Model Data With SRTM-Derived DTED(R) Level 2

Abstract: This paper presents the results of the comparison between SRTM DTED(R) level 2 and the SPOT Reference3D Digital Elevation Model product, the latter developed cooperatively by SPOT Image S.A. and the French Institut Géographique National (IGN). The U.S. National Geospatial-Intelligence Agency and SPOT have cooperated in an analysis of these two products to determine compatibility of the Reference3D product for SRTM void/gap filling, and its suitability for extending DTED(R) coverage to higher latitudes (above 60° North and below 56° South). This paper describes the results of the cross-validation of the two products, and presents the complementary nature of these products and their resulting synergies.