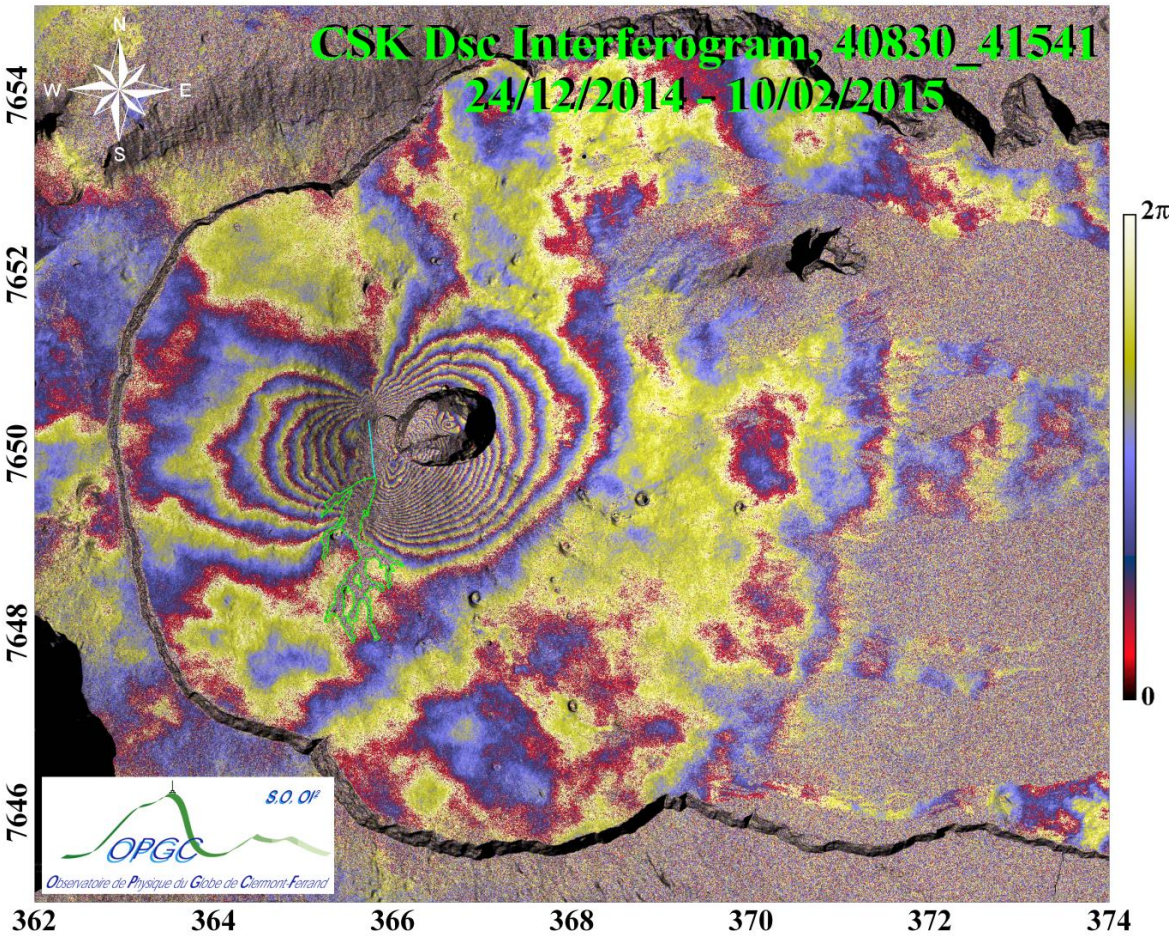
Un volcan sous haute surveillance.

L'éruption de Février 2015 au Piton de la Fournaise imagée par le Service d'Observation OI[2] de l'Observatoire de Physique du Globe de Clermont-Ferrand



Descending Cosmo-Skymed interferogram 40830_41541 (24/12/2014 – 10/02/2015) showing ground surface displacement related to the February 2015 eruption at Piton de la Fournaise, La Reunion Island. The interferometric phases have been draped over shaded-relief map. A complete cycle of phase (red-blue-yellow) represents an increase in range of 1.5 cm between the ground surface and the satellite. The location of the eruptive fissure is marked in blue. The lava flow is outlined in green. Coordinates are in kilometers UTM (40 zone South). The interferogram shows an asymmetric bilobate pattern of fringes centered on the western upper flank of the Piton de la Fournaise Central Cône. The main lobe, on the eastern side of the eruptive fissure, accounts for ~ 20 fringes corresponding to a ~ 30 cm displacement to the satellite. The western lobe accounts for ~ 8 fringes corresponding to a displacement of ~ 12 cm away from the satellite.

The interferogram was produced by the OI[2] OPGC/INSU Observation Service, using the Diapason software (Altamira-Information). The CSK data were provided by Telespazio. This work was supported by public funds from INSU in the framework of National Service for Volcanological Observations and from ANR in the framework of GEOSUD, a project (ANR-10-EQPX-20) of the program "Investissement d'Avenir" managed by the French National Research Agency.

http://wwwobs.univ-bpclermont.fr/SO/televolc/volinsar/indexEN.php