


THE DEMOCRATIC REPUBLIC OF THE CONGO / RWANDA


GOMA CITY, NYIRAGONGO DISTRICT, NORD-KIVU PROVINCE /
GISENYI, RUBAVU DISTRICT, WESTERN PROVINCE

IMAGERY ANALYSIS: 27 MAY 2021 PUBLISHED 28 MAY 2021 V1.

 POTENTIALLY AFFECTED
STRUCTURES
1,722

 POTENTIALLY AFFECTED
ROADS
18 km



 VOLCANO
VO20210523COD



Lava flow and geological information related to the volcanic eruption effect of the 22 May 2021 in Nord-Kivu Province, D.R. of the Congo and the Western Province, Rwanda as of 27 May 2021.

This map illustrates the lava flow extent and the related geological information north of Goma airport, Nord-Kivu province, D.R. of the Congo as detected by satellite images acquired after the eruption of the Mount Nyiragongo on 22 May 2021. UNITAR-UNOSAT analysis used Sentinel-2 and SAOCOM-1A images acquired on 27 May 2021, at respectively 08:30 UTC and 02:21 UTC, to extract the lava flow extent. Within this map, three vents have been identified along the hillside south of Nyiragongo caldera. In addition about 10 km of fissures have been mapped and are mainly in NNE-SSW and NNW-SSE directions.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Legend

-  Airport
-  City
-  Town / Village
-  Earthquake epicenter (EMSC)
-  Volcanic vent (USGS)
-  Volcanic fissure (USGS)
-  Primary road
-  Secondary road
-  International boundary
-  City Boundary
-  Lava flow extent observed on 27 May 2021
-  Maximum lava flow extent as of 25 May 2021

Spatial Reference
Name: WGS 1984 UTM Zone 35S
PCS: WGS 1984 UTM Zone 35S
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator

Satellite Data (Post): Sentinel-1
Imagery Dates: 25 May 2021
Resolution: 10 m
Copyright: Contain modified Copernicus Sentinel Data [2021]
Source: ESA

Satellite Data (Post): Sentinel-2
Imagery Date: 27 May 2021
Resolution: 10 m
Copyright: Contain modified Copernicus Sentinel Data [2021]
Source: ESA

Satellite Data (Post): SAOCOM-1A
Imagery Date: 27 May 2021
Resolution: 9 m
Copyright: SAOCOM Product CONAE - (2021). All Rights Reserved
Source: ESA

Boundary data : OCHA Congo
Buildings : OpenStreetMap
Road : OpenStreetMap
Geological data : USAID - USGS Volcano Disaster
Epicenters : EMSC
Assistance Program
Background ESRI World Imagery



Map Scale for A3: 1:50,000

