This map illustrates satellite-detected changes in the flood water levels in the Agadez Region of Niger, as based on change detection methods using MODIS Aqua data acquired over the area on 3, 5 & 7 September and 11 August 2009. There are 3 water classes identified in the map, where waters have increased (red), decreased (green) and remained static (yellow) from 3 to 7 September. The majority of water in the area has receded rapidly, however there is some minor new water flow to the north. The newly released ASTER global elevation model (GDEM) was also used in this analysis. This is a preliminary analysis & has not yet been validated in the field.

Satellite Data (1) ................ MODIS Aqua Imagery Dates ................... 3-7 Sept. & 11 August 2009 Resolution ......................... 250 m Source .............................. NASA Elevation Data ................... ASTER GDEM & SRTM Resolution .......................... 27m / 90m Source ............................... METI & NASA 2009 Road Data ......................... Google Map Maker 2009 Other Data ......................... WDPA, USGS, NGA Flood Analysis .................... UNITAR / UNOSAT Map Production ................  UNITAR / UNOSAT Projection ........................... UTM Zone 32 North Datum ................................ WGS-84 (EGM-96)

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