Biomass burning and urban air pollution over the Central Mexican Plateau

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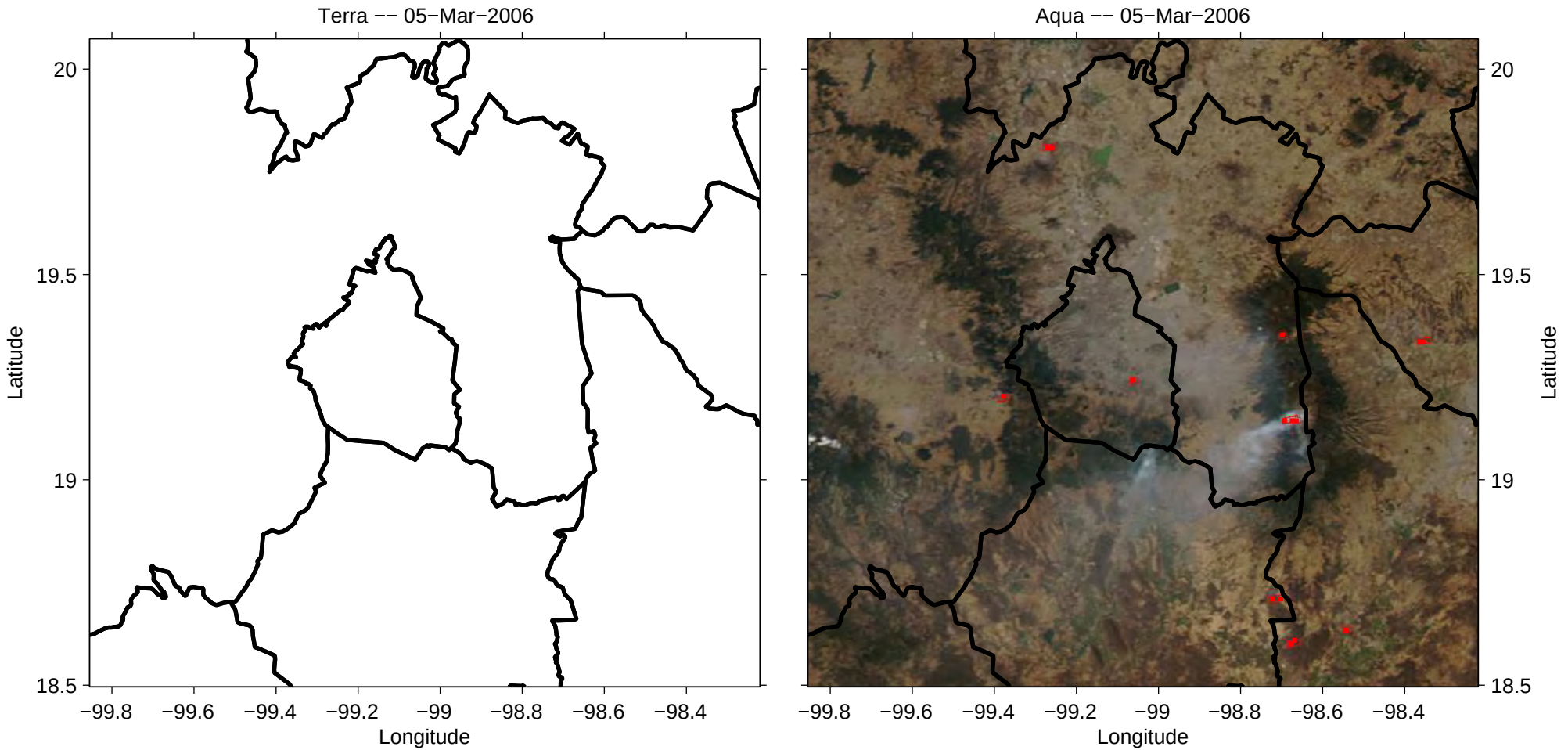
Supplementary Material

The following figures are MODIS satellite images of Mexico City region during the month of March, 2006. These images are similar to those shown in Figs. 10, 11, and 12, in the manuscript, except they are displayed at a higher resolution, and both AQUA and TERRA visible MODIS images are shown. The approximate Mexico City overpass time is 10:30 AM CST for TERRA, and 1:30 PM CST for AQUA. The red boxes on the images represent thermal anomalies which are detected by the MODIS instruments. Black lines are state boundaries. Blank areas represent no data. It is apparent from inspection of these images that AQUA detects more fires on average then TERRA. This supports the idea that fires generally flare up in the afternoon, and die down during the nighttime and early morning. One can find rather large smoke plumes which are not associated with detected thermal anomalies in these images. These presumably result from fires which are not large enough to be detected by the MODIS instruments. Images courtesy of MODIS Rapid Response Project at NASA/GSFC.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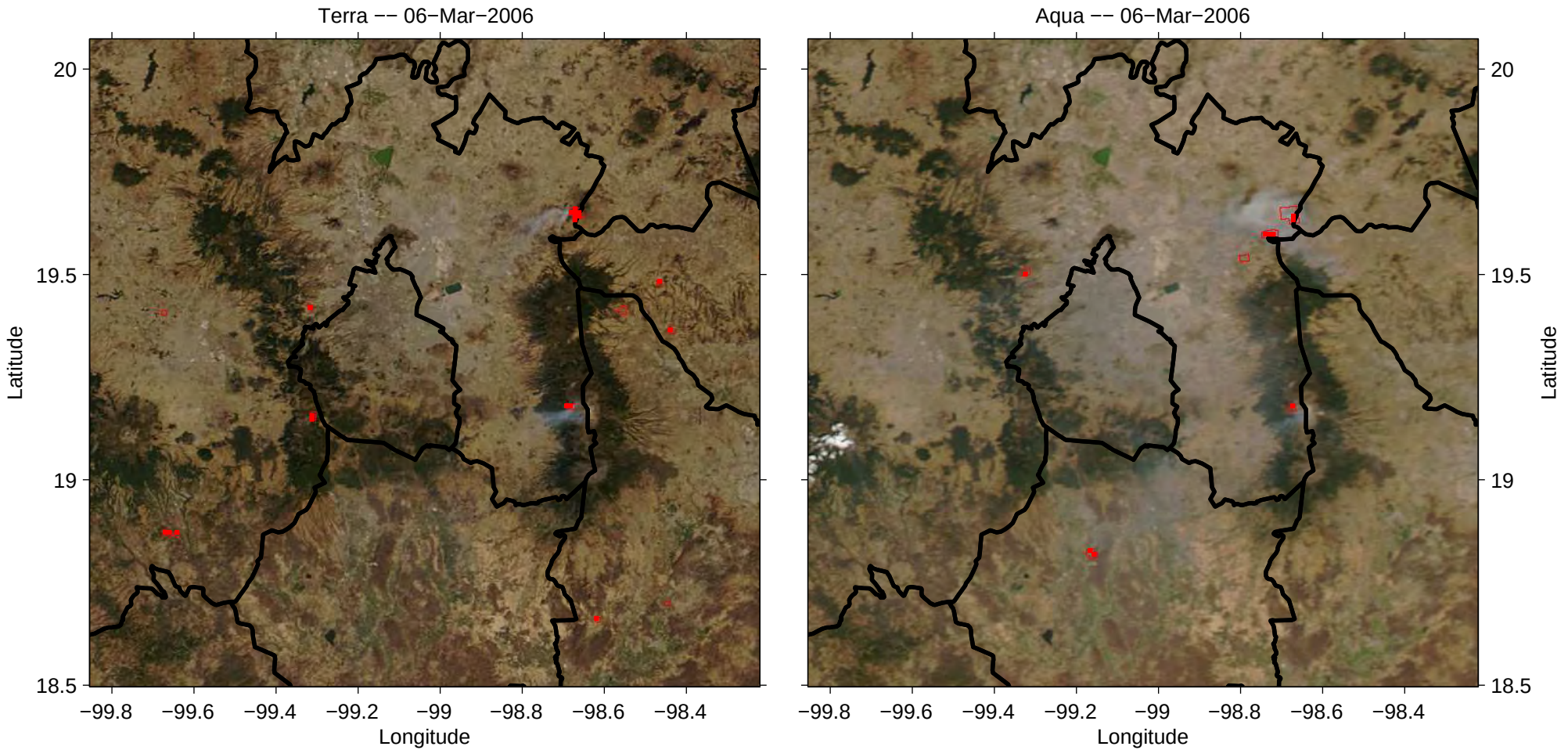
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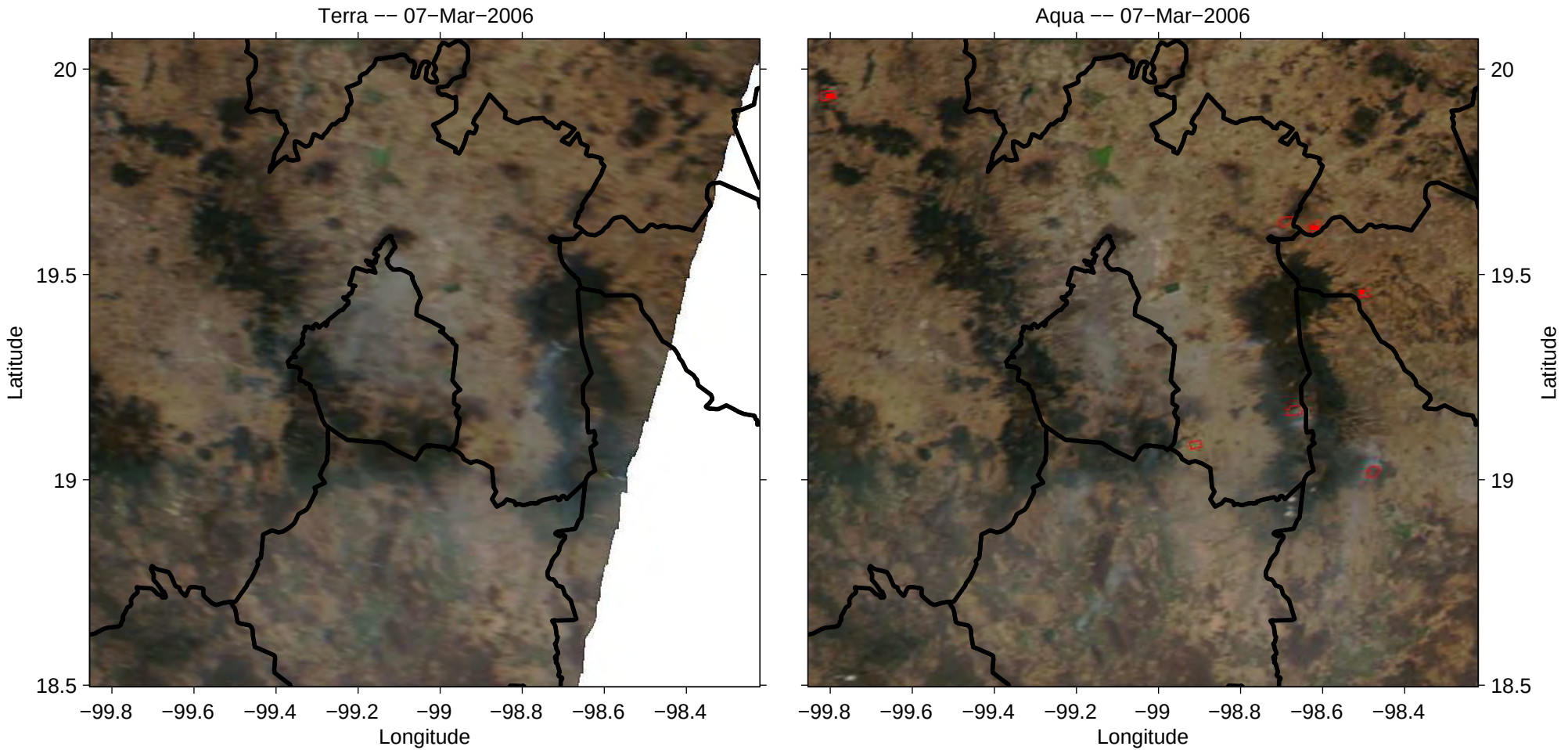
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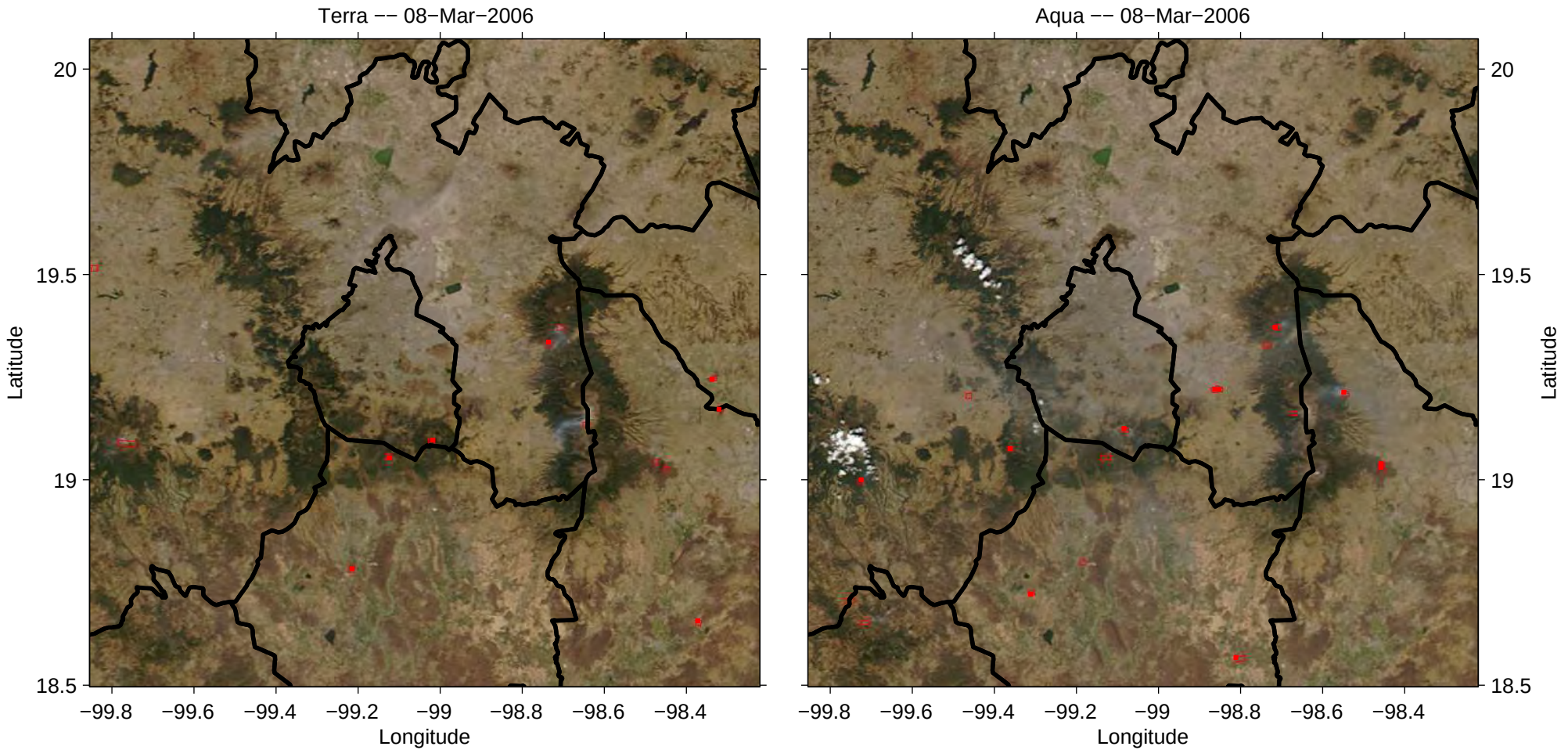
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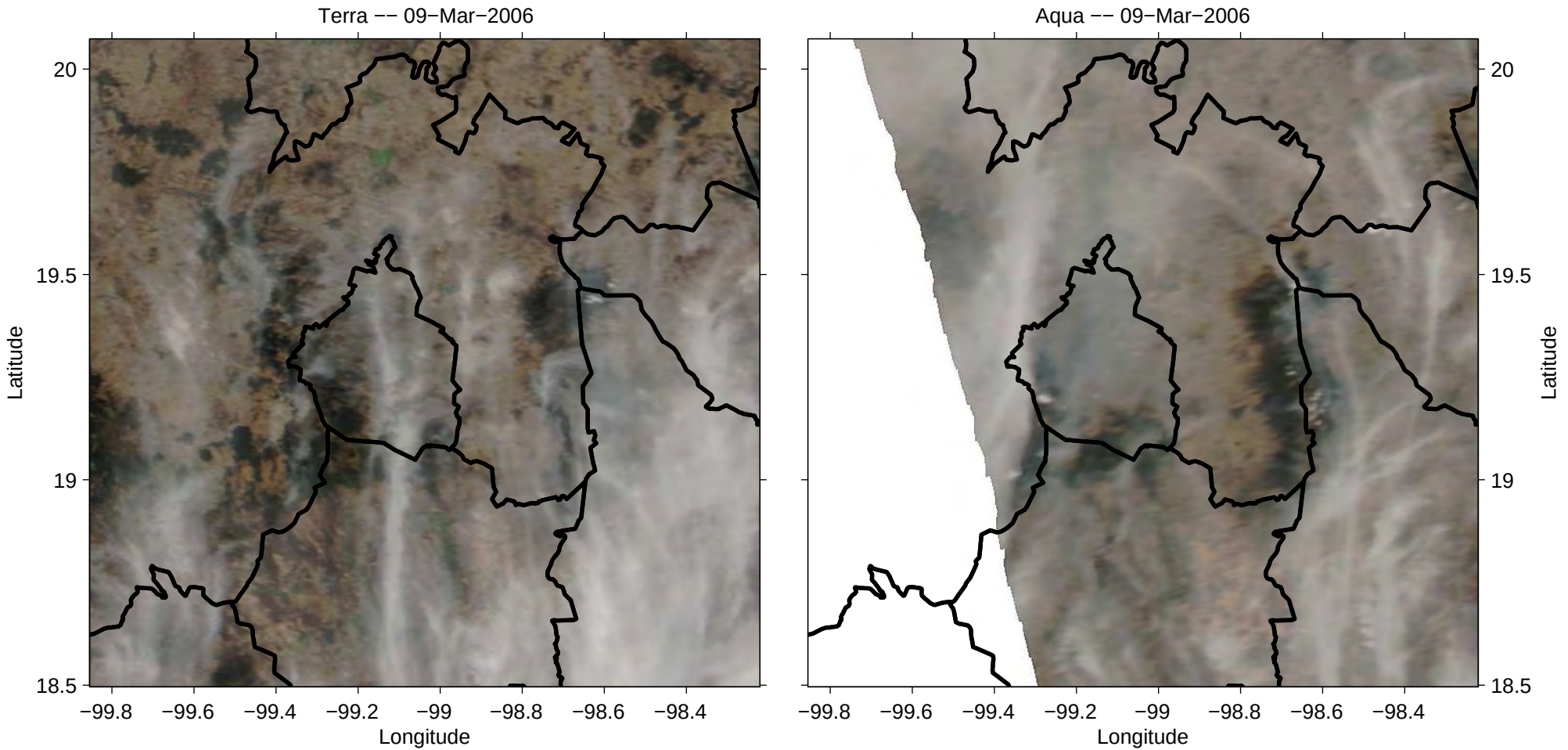
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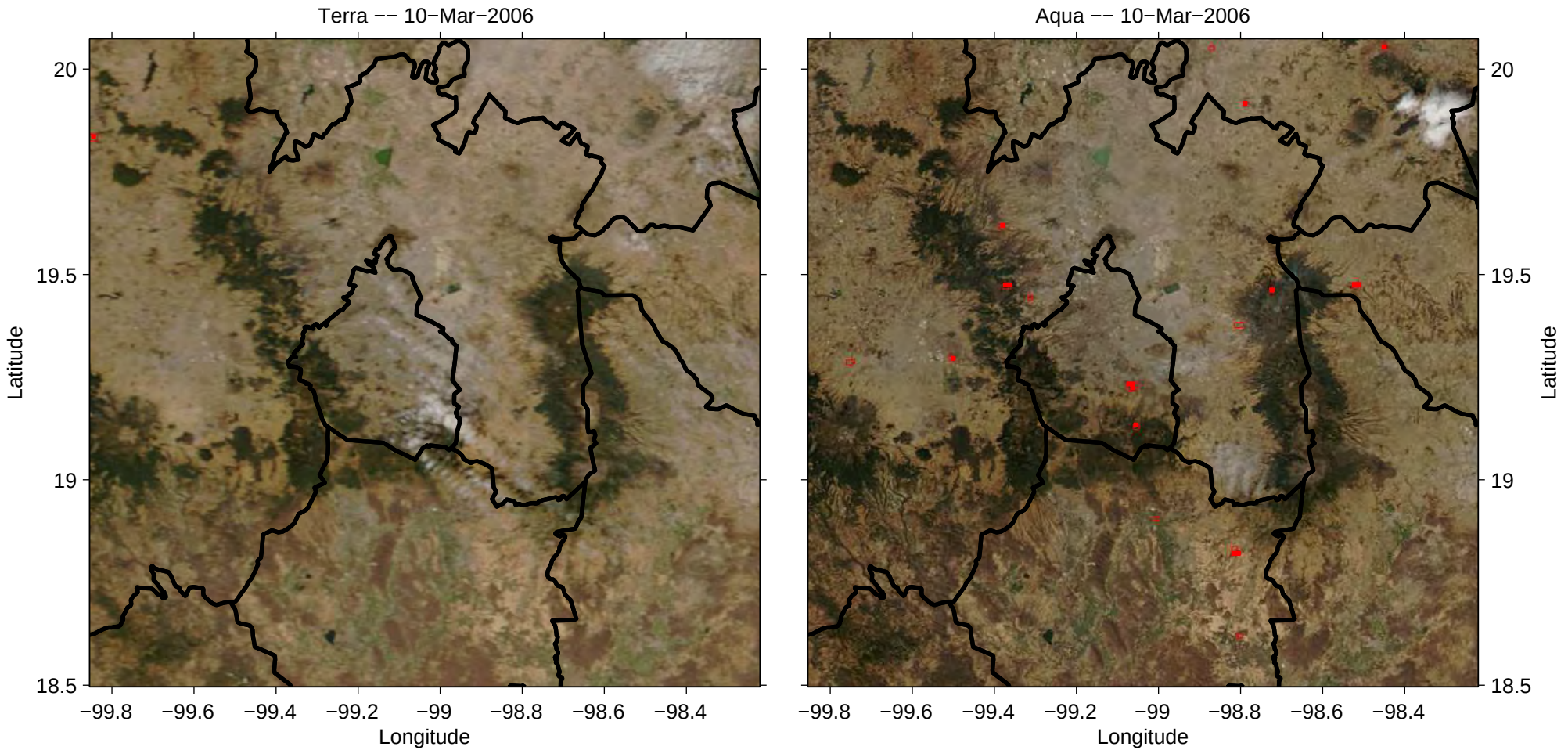
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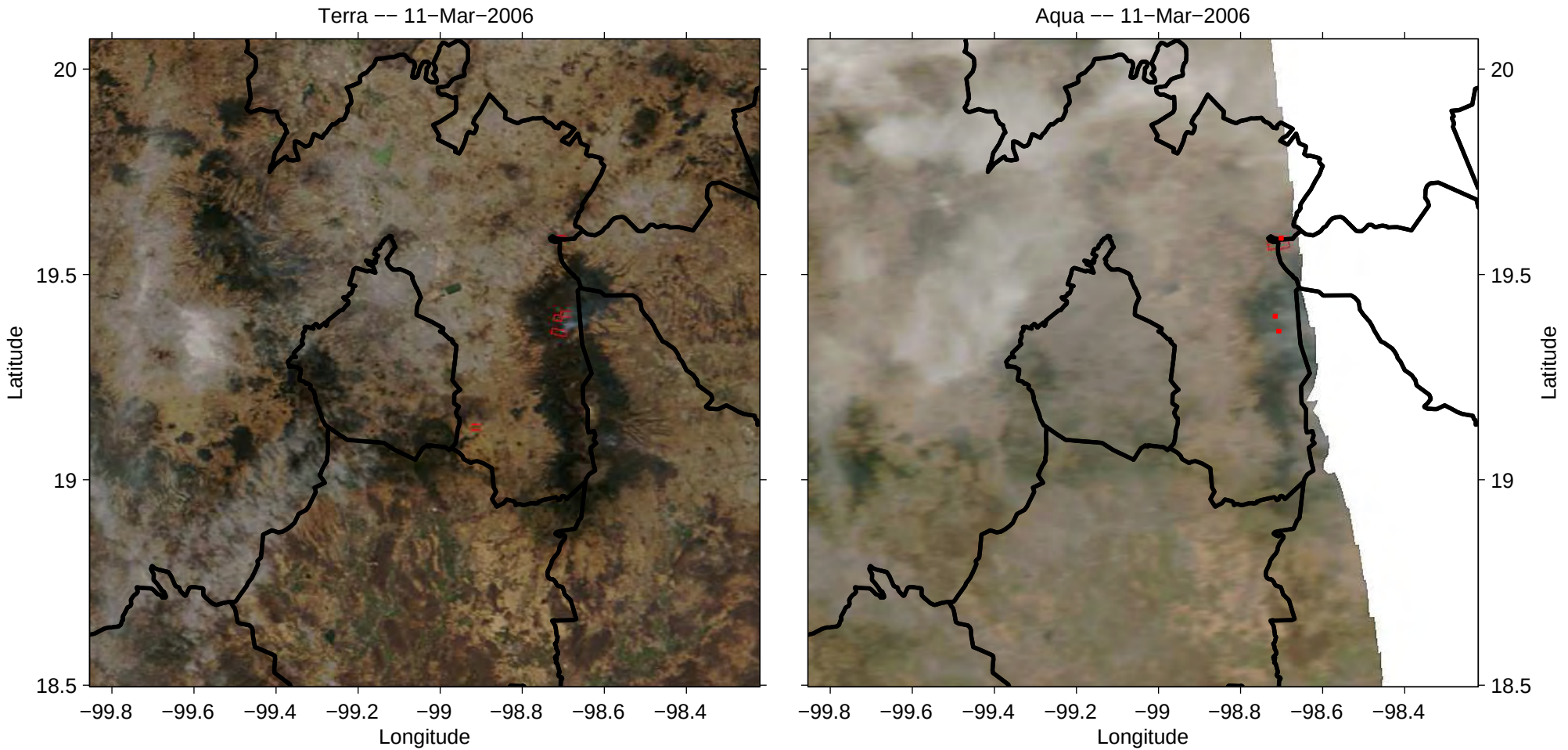
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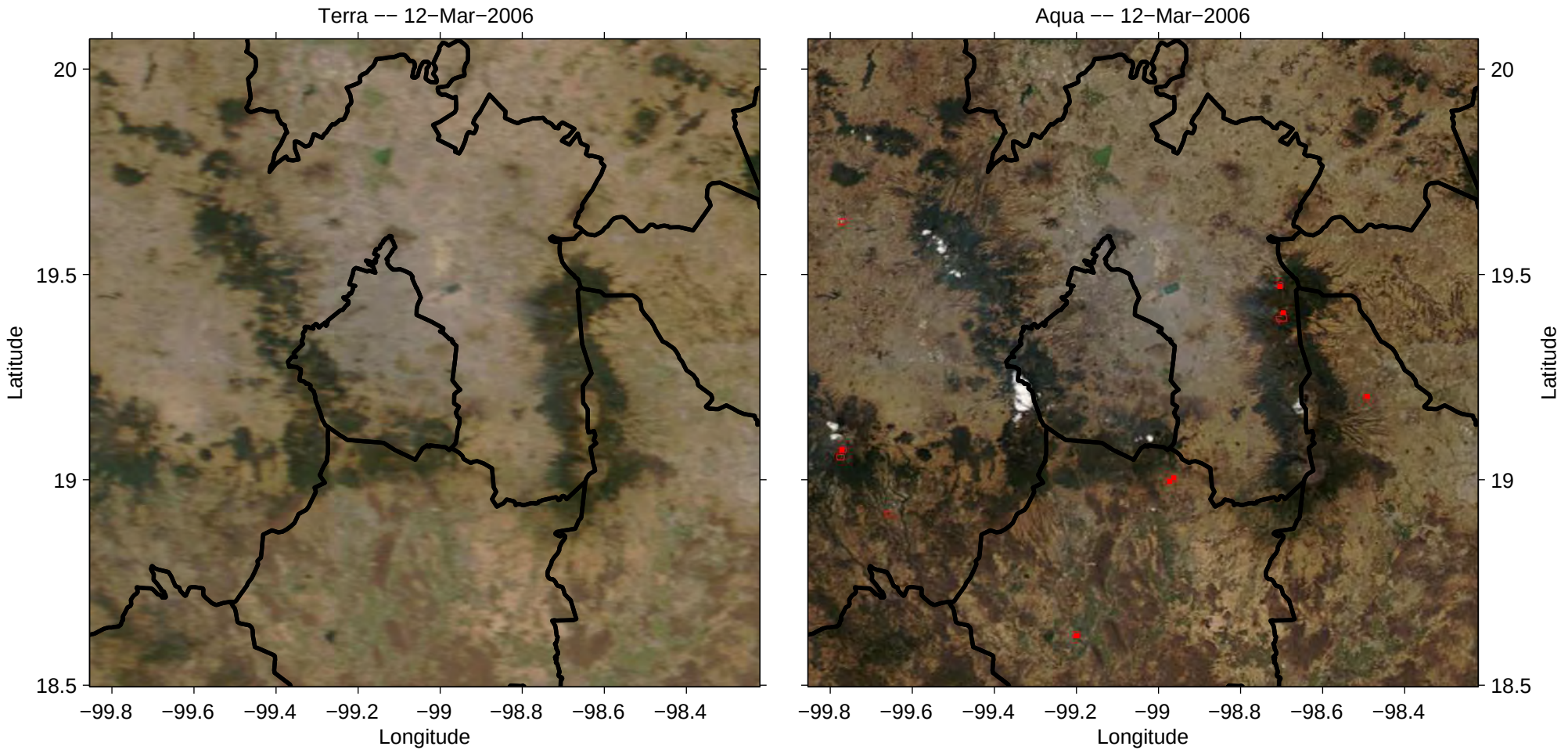
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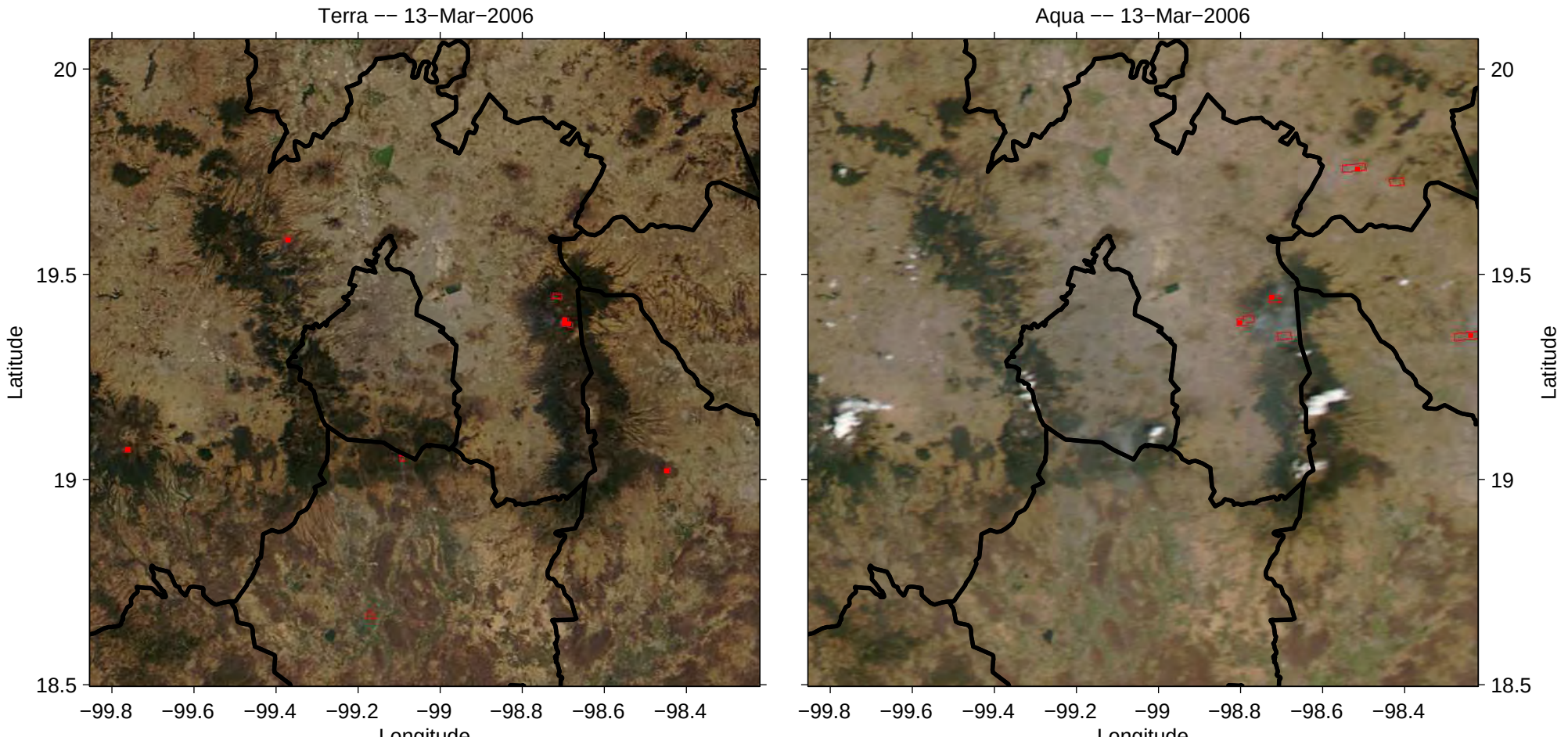
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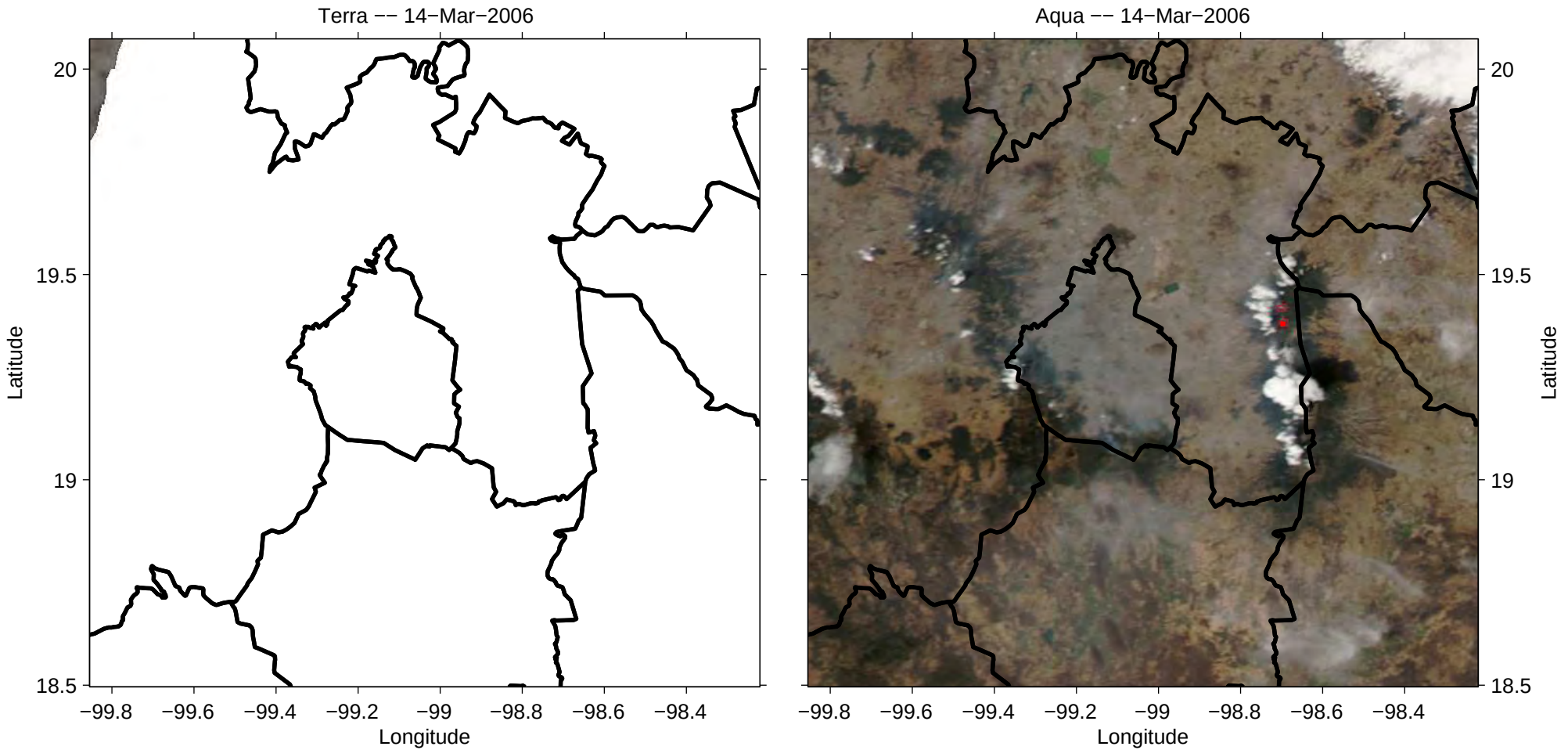
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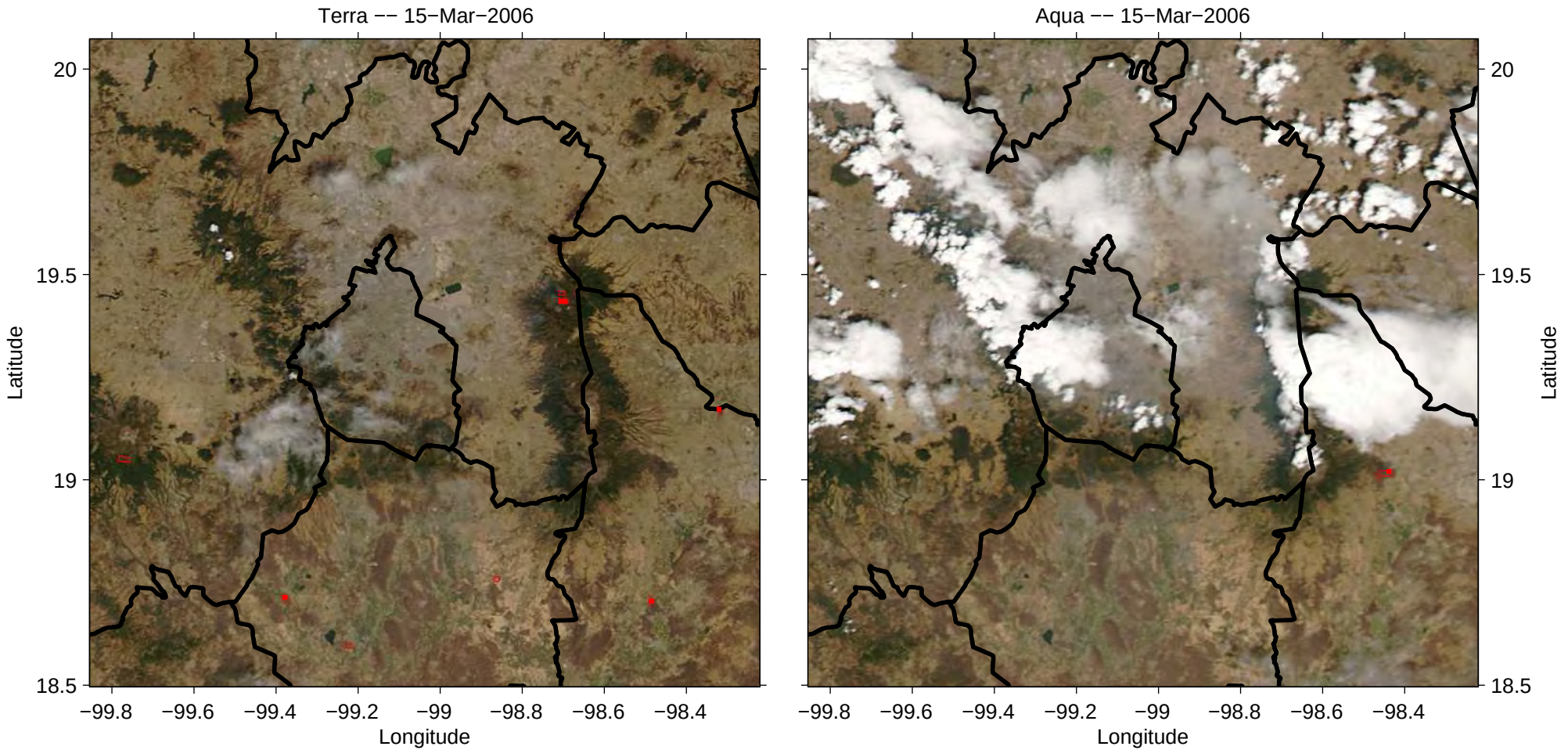
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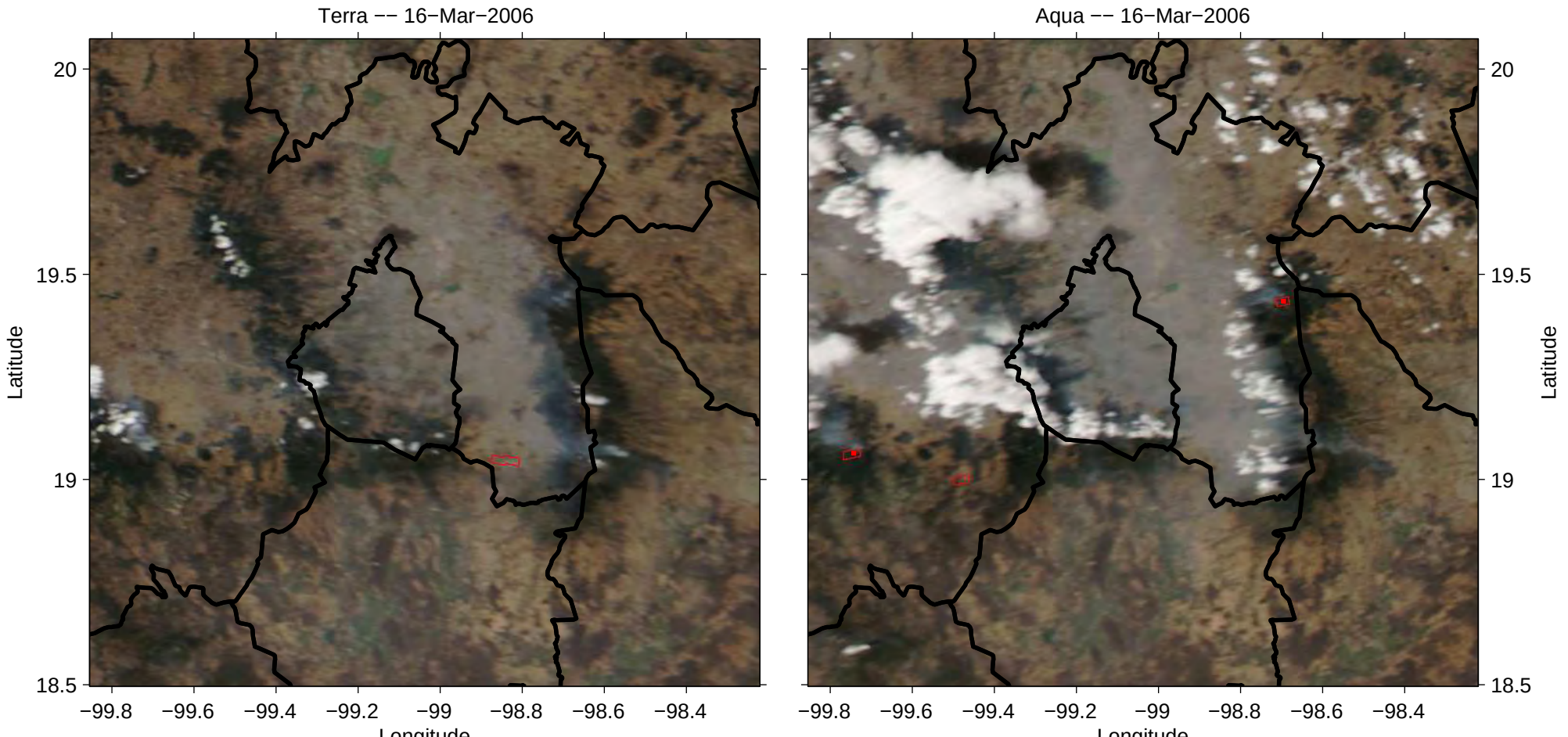
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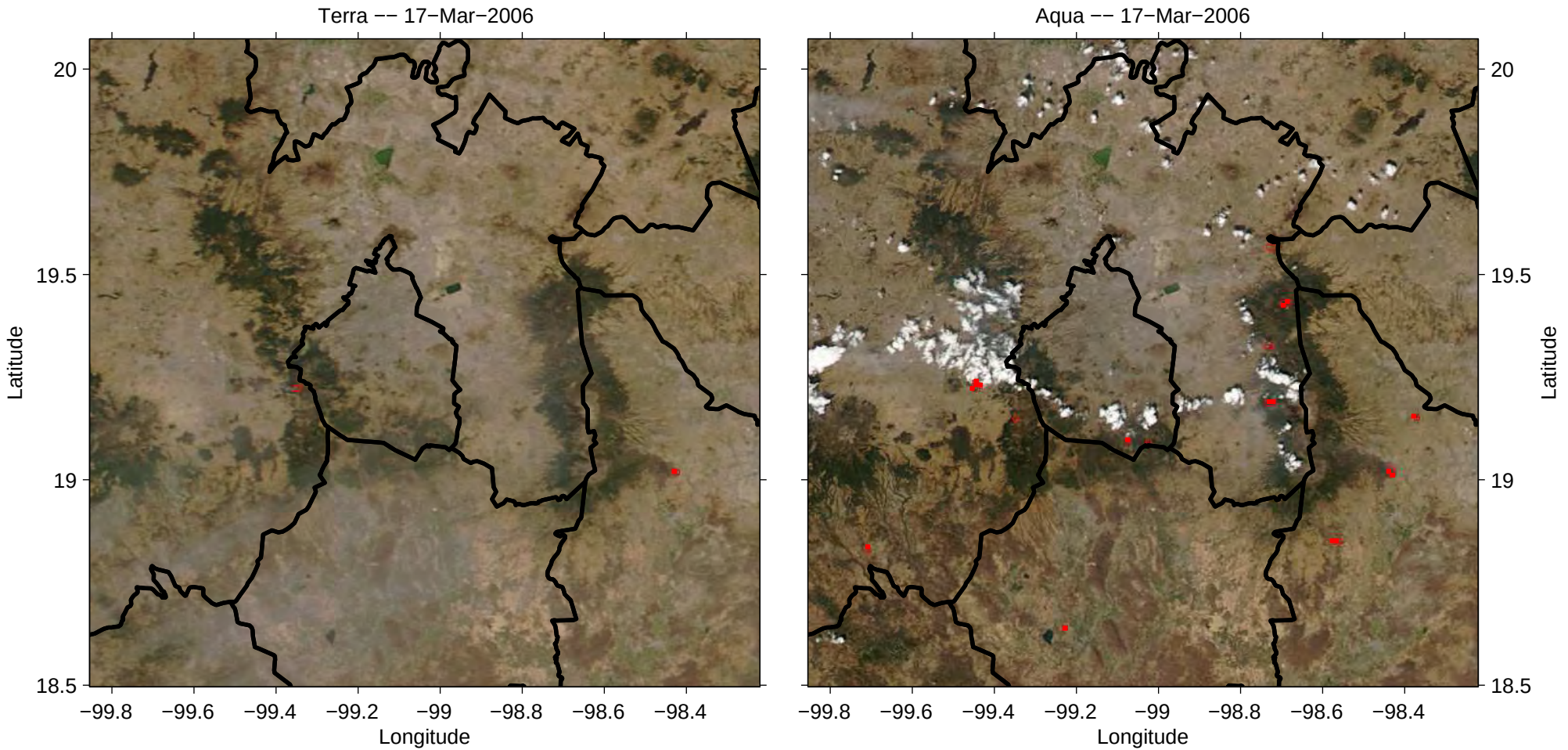
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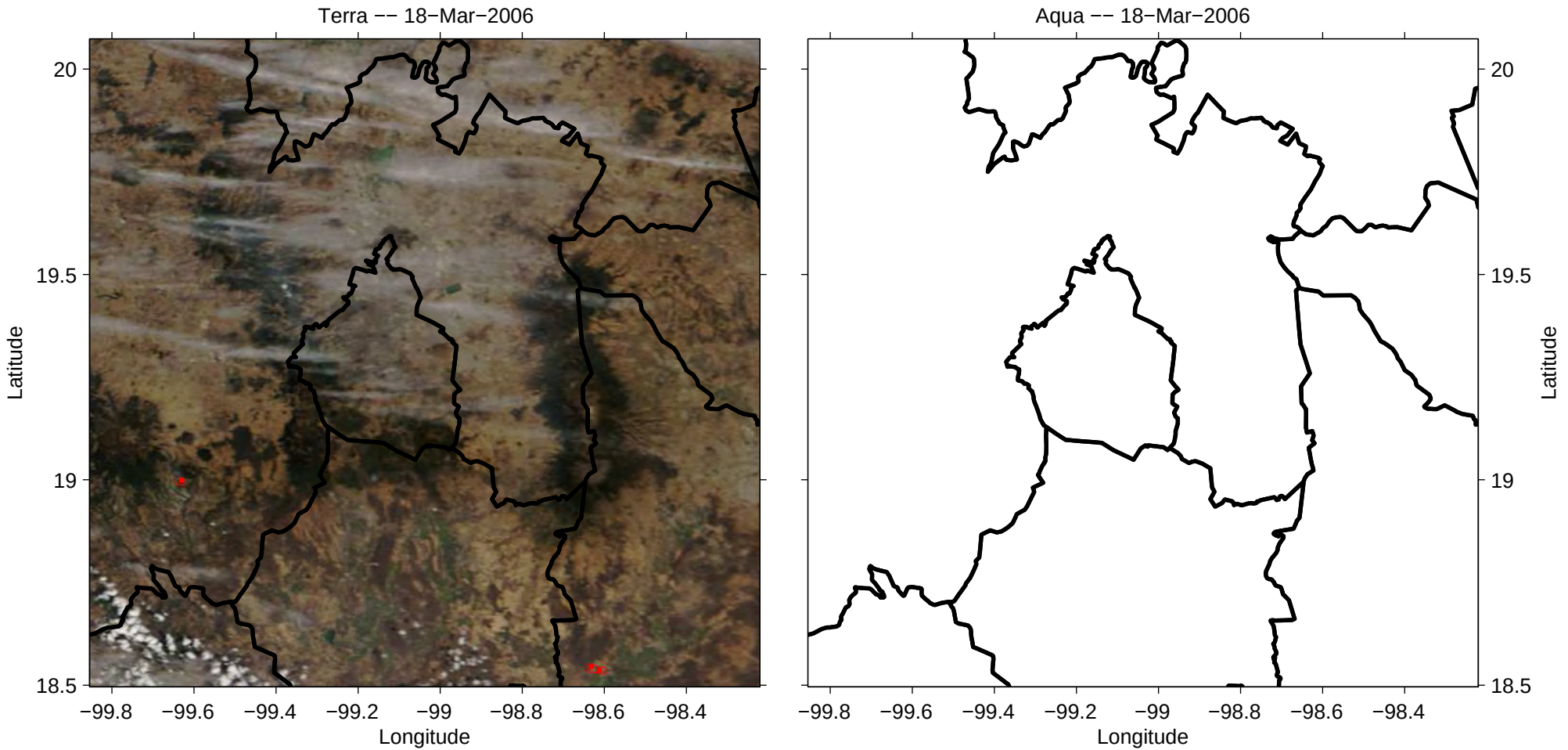
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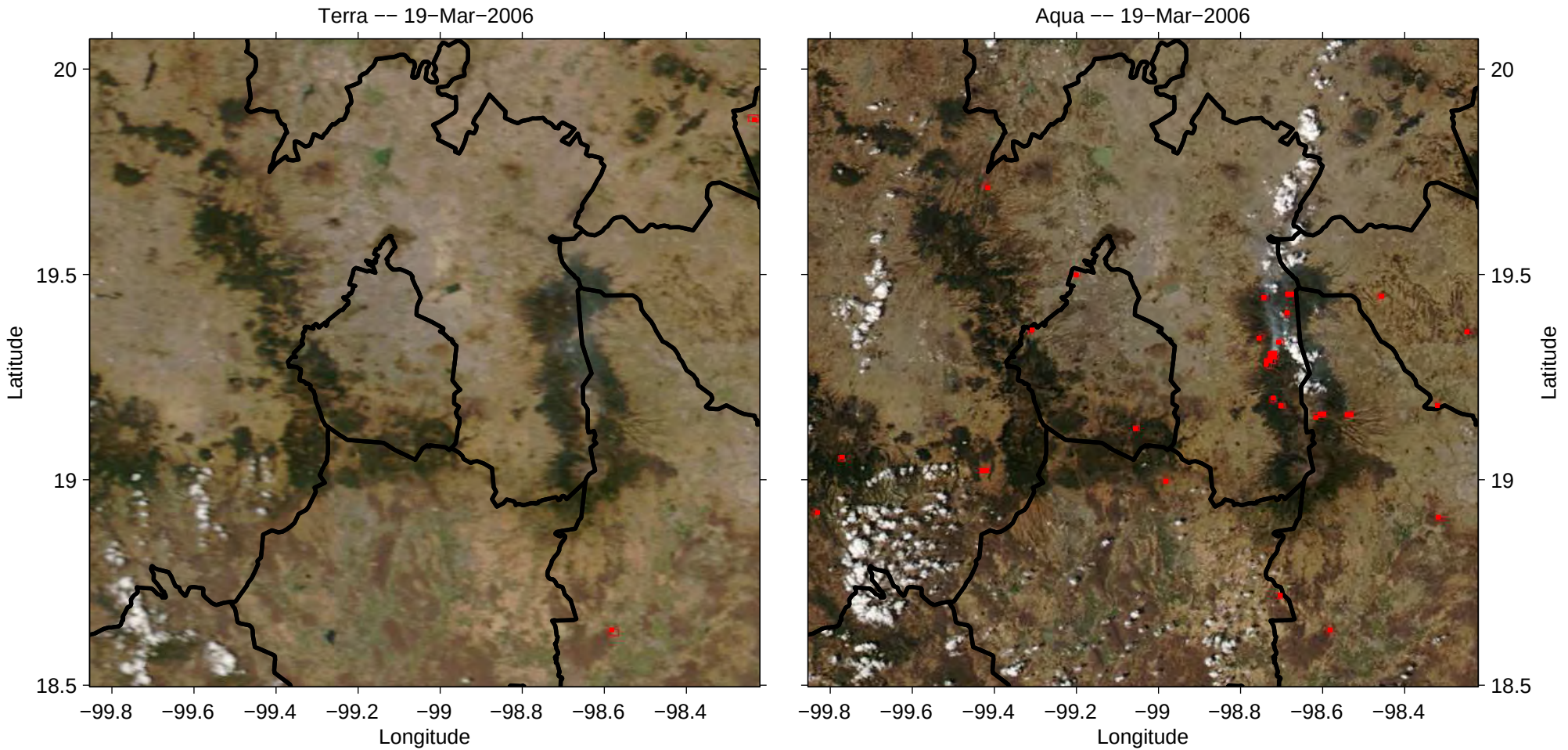
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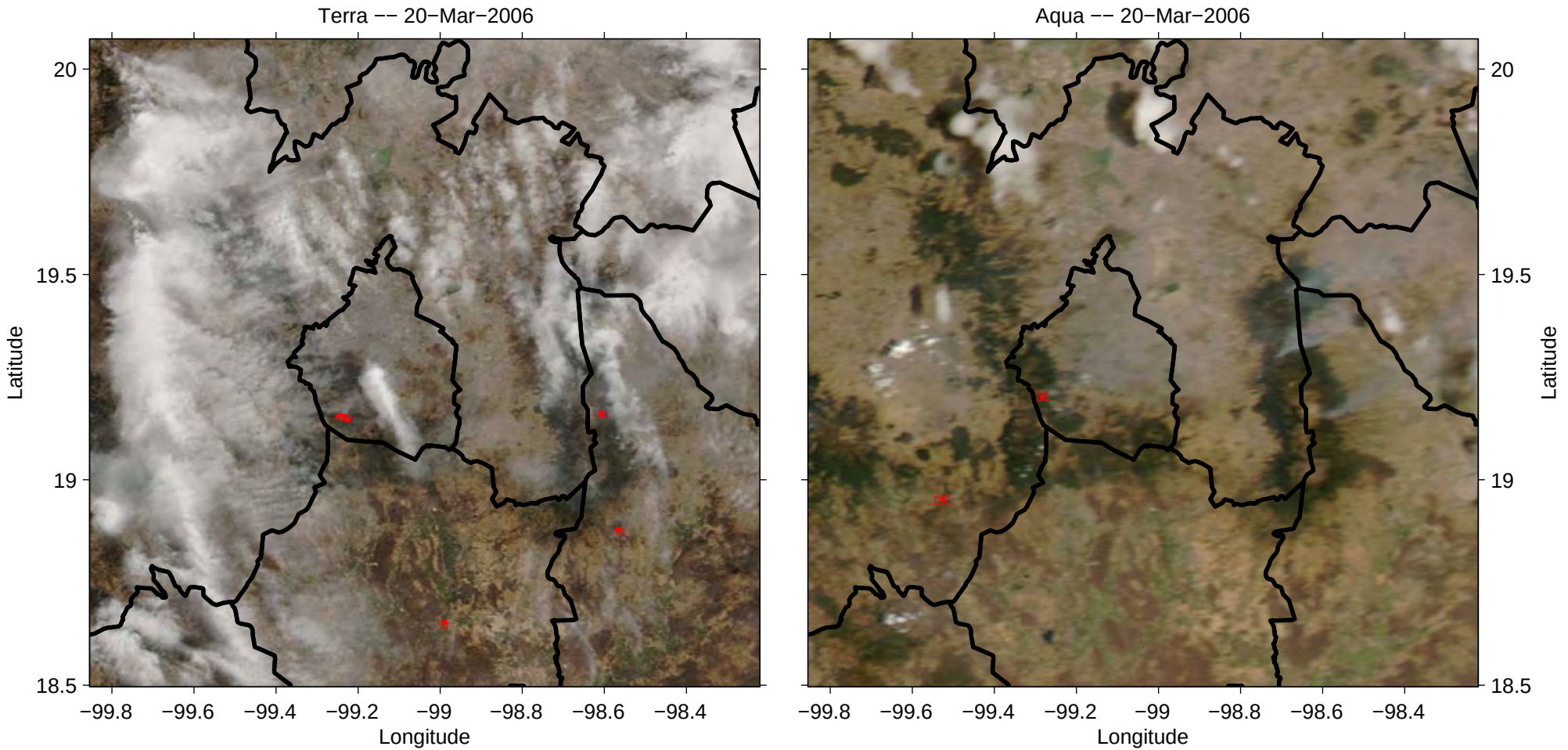
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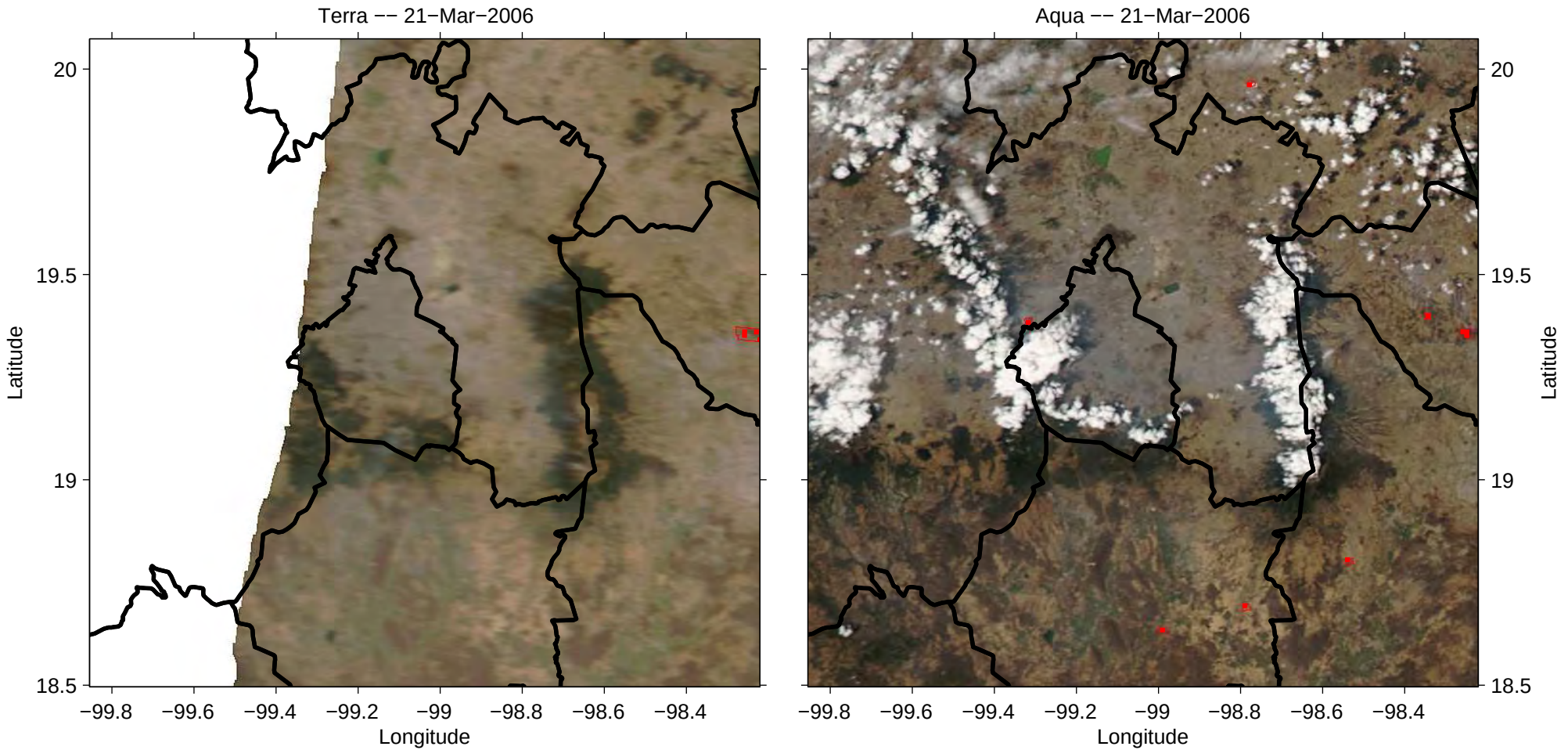
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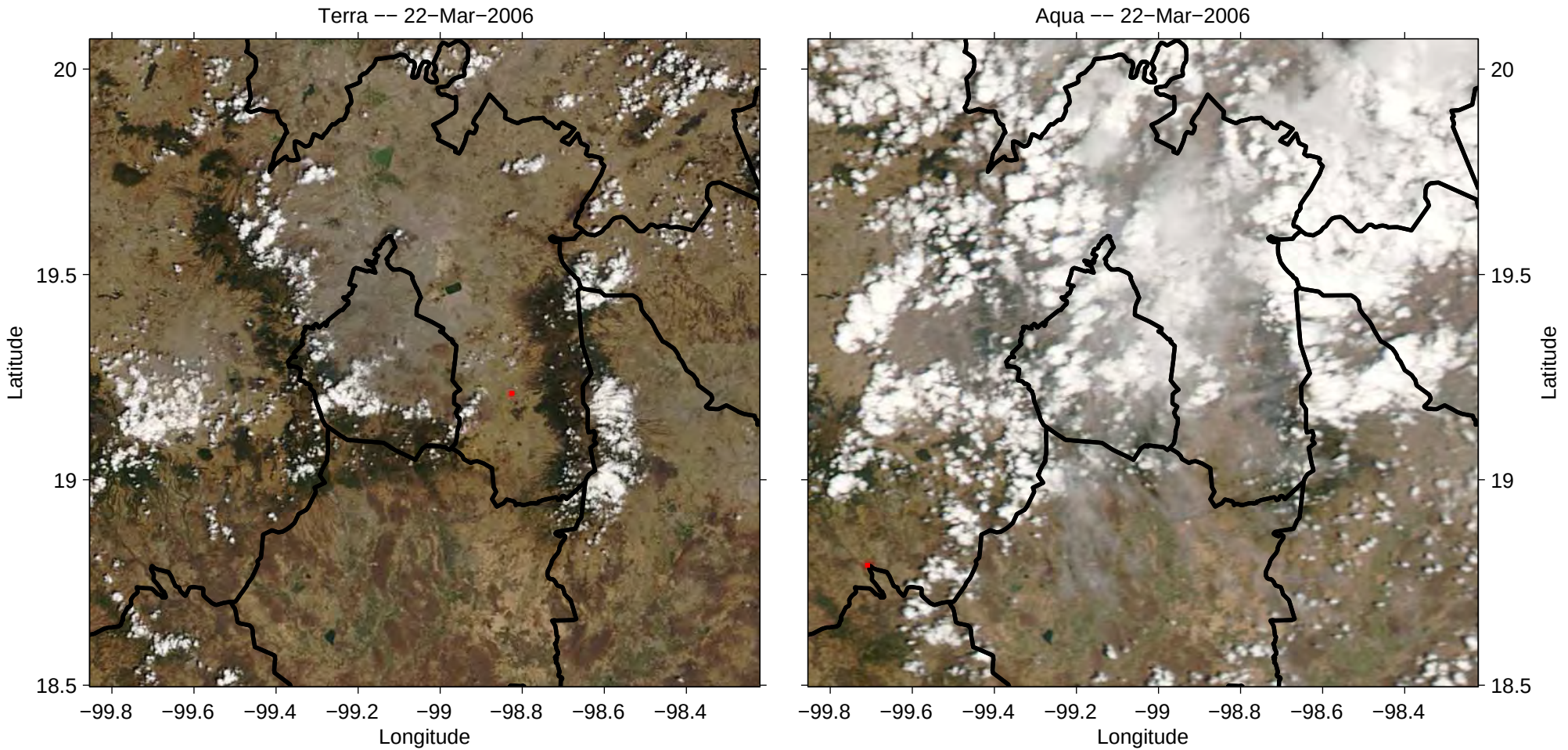
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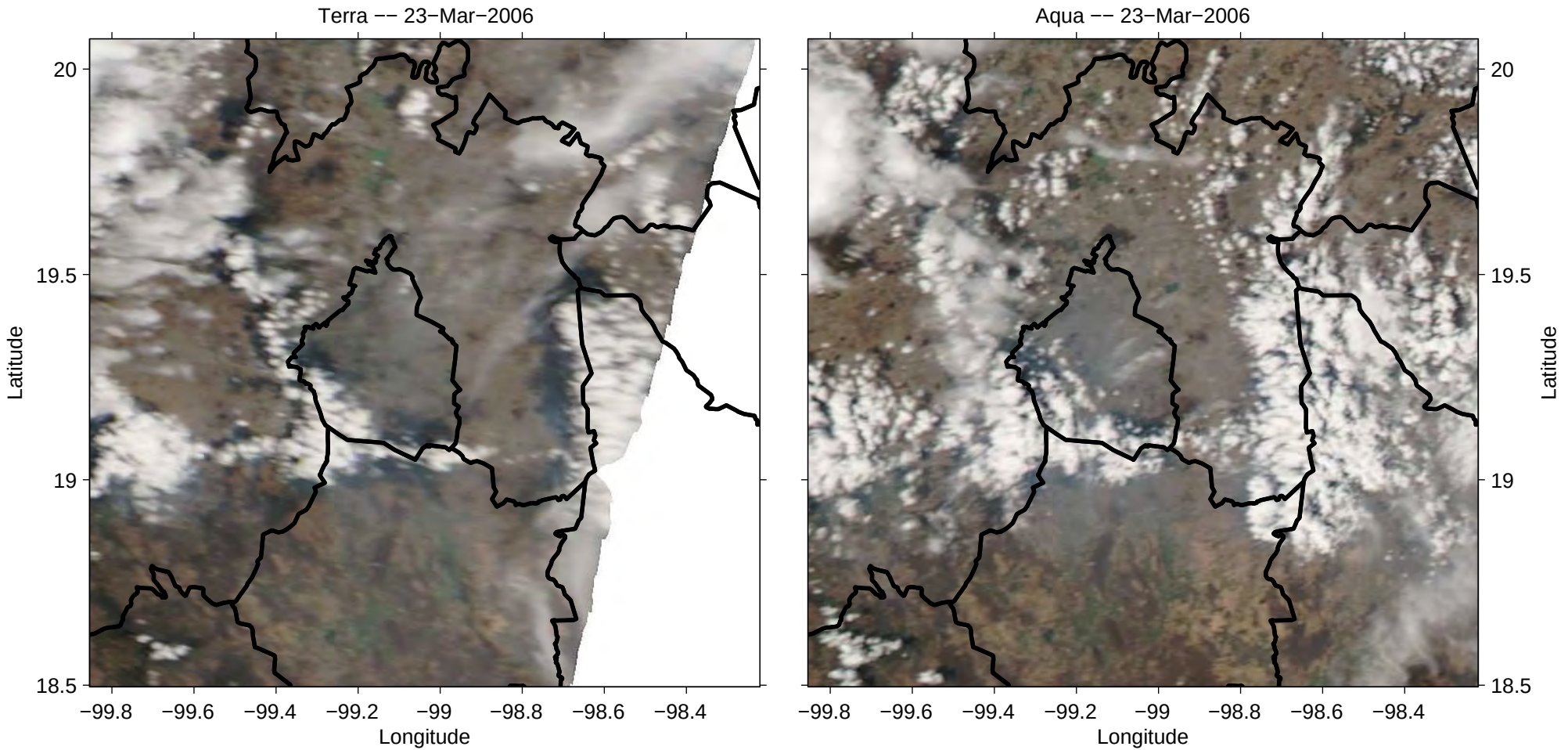
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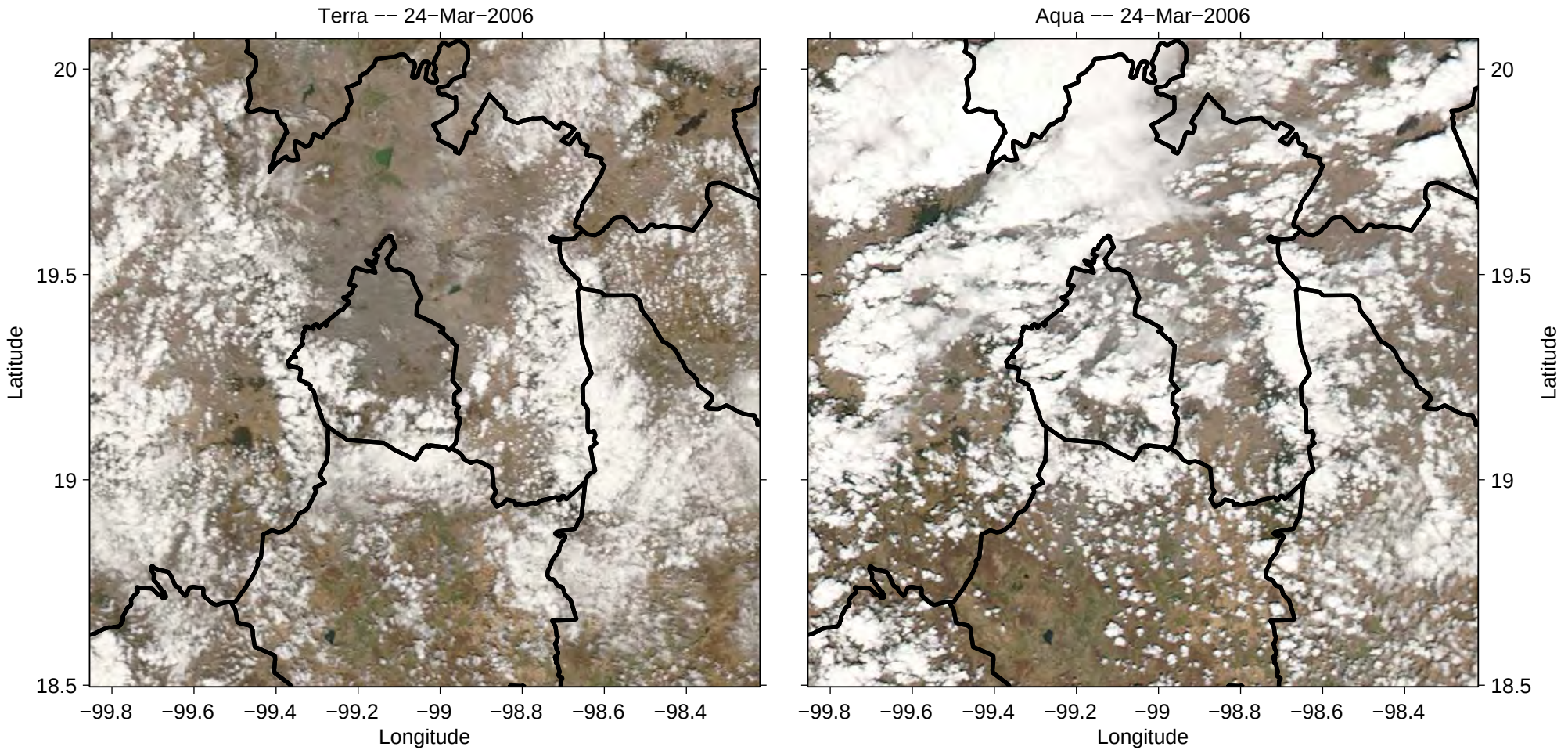
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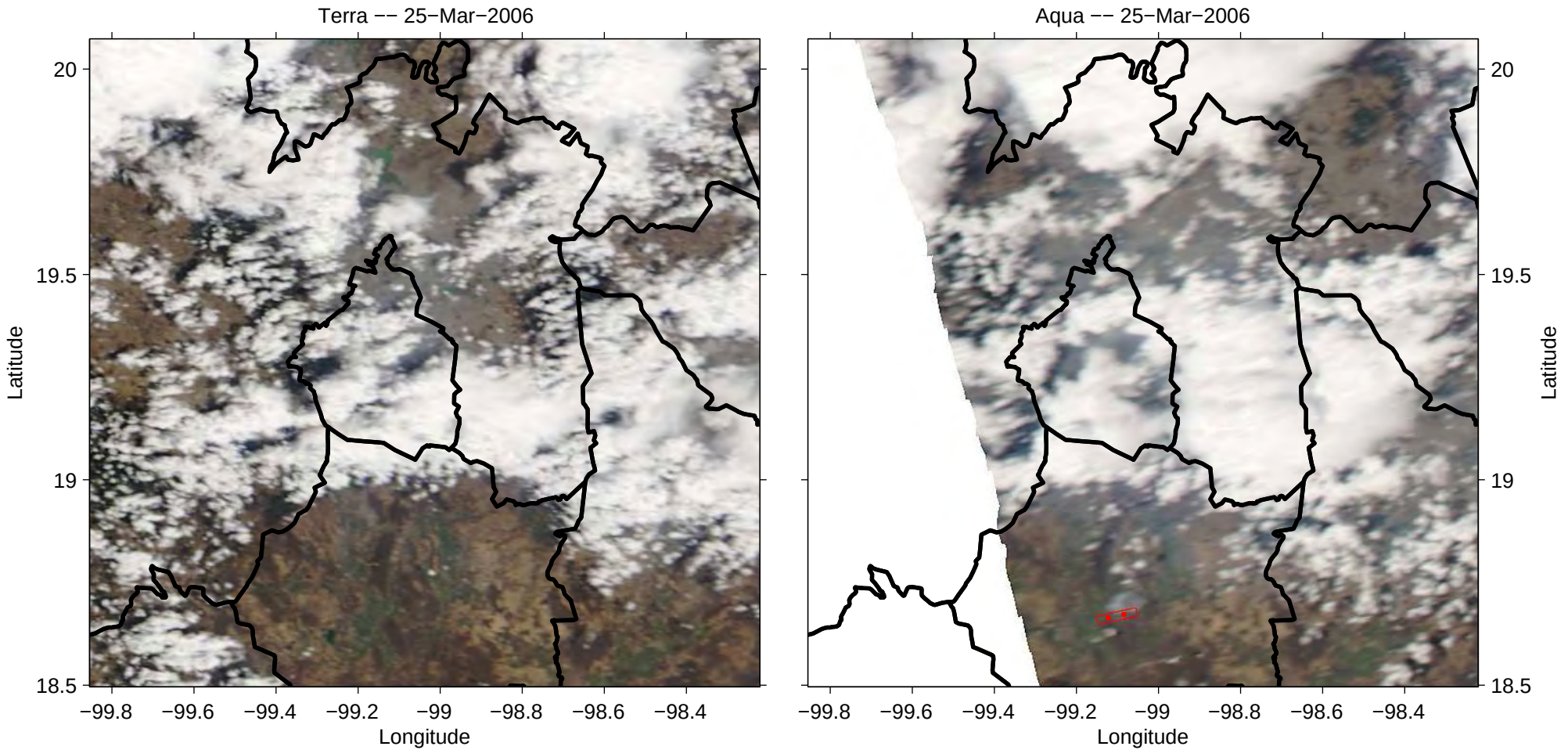
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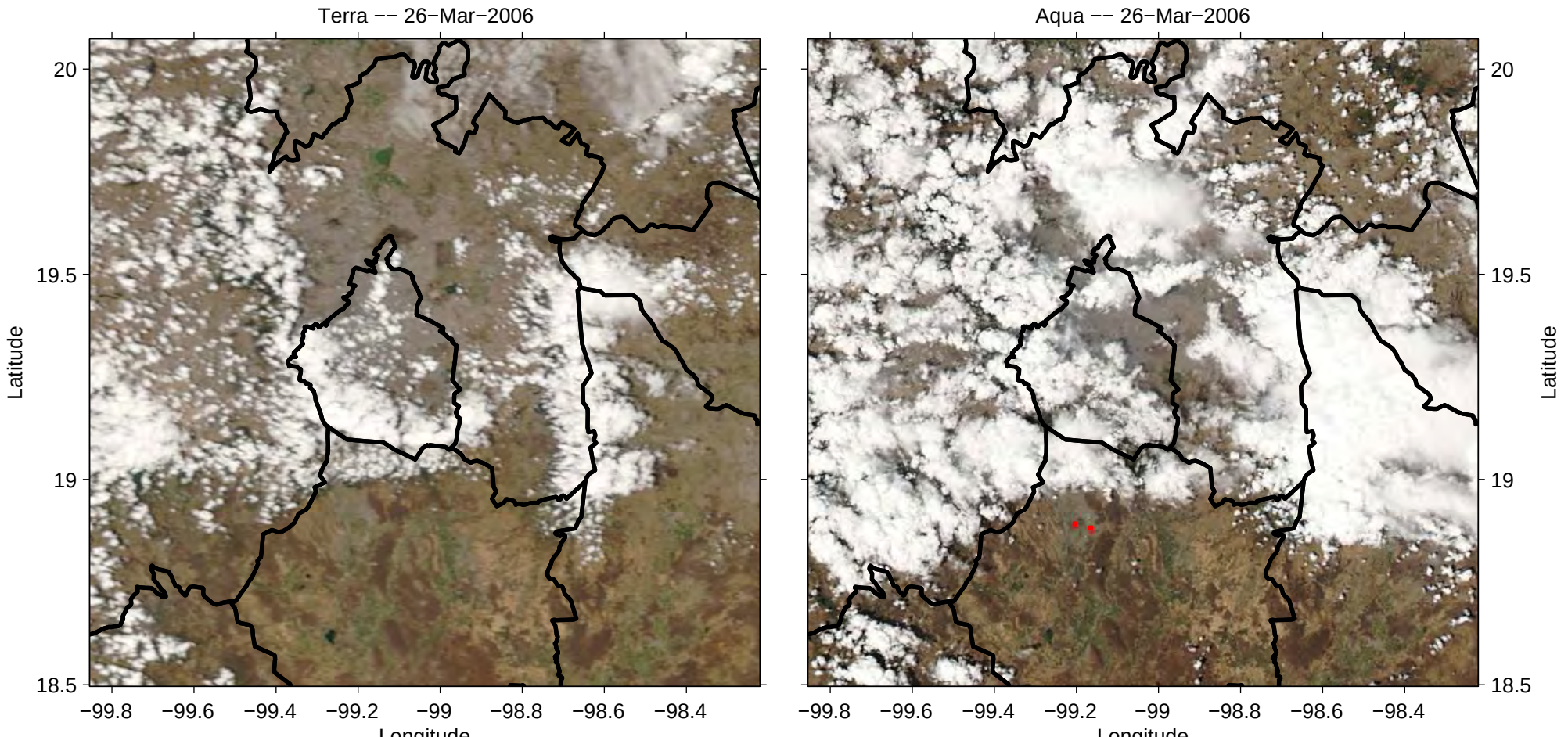
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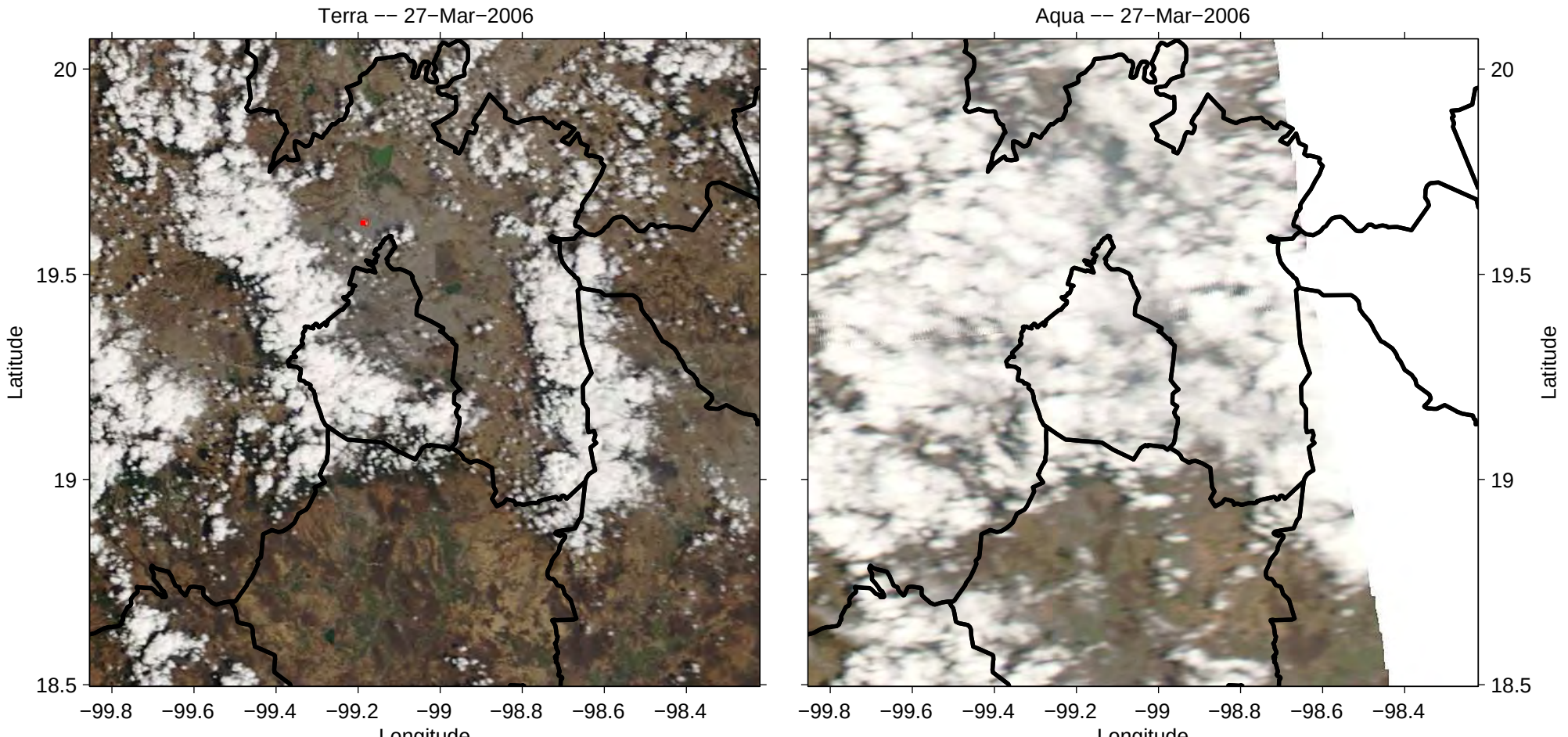
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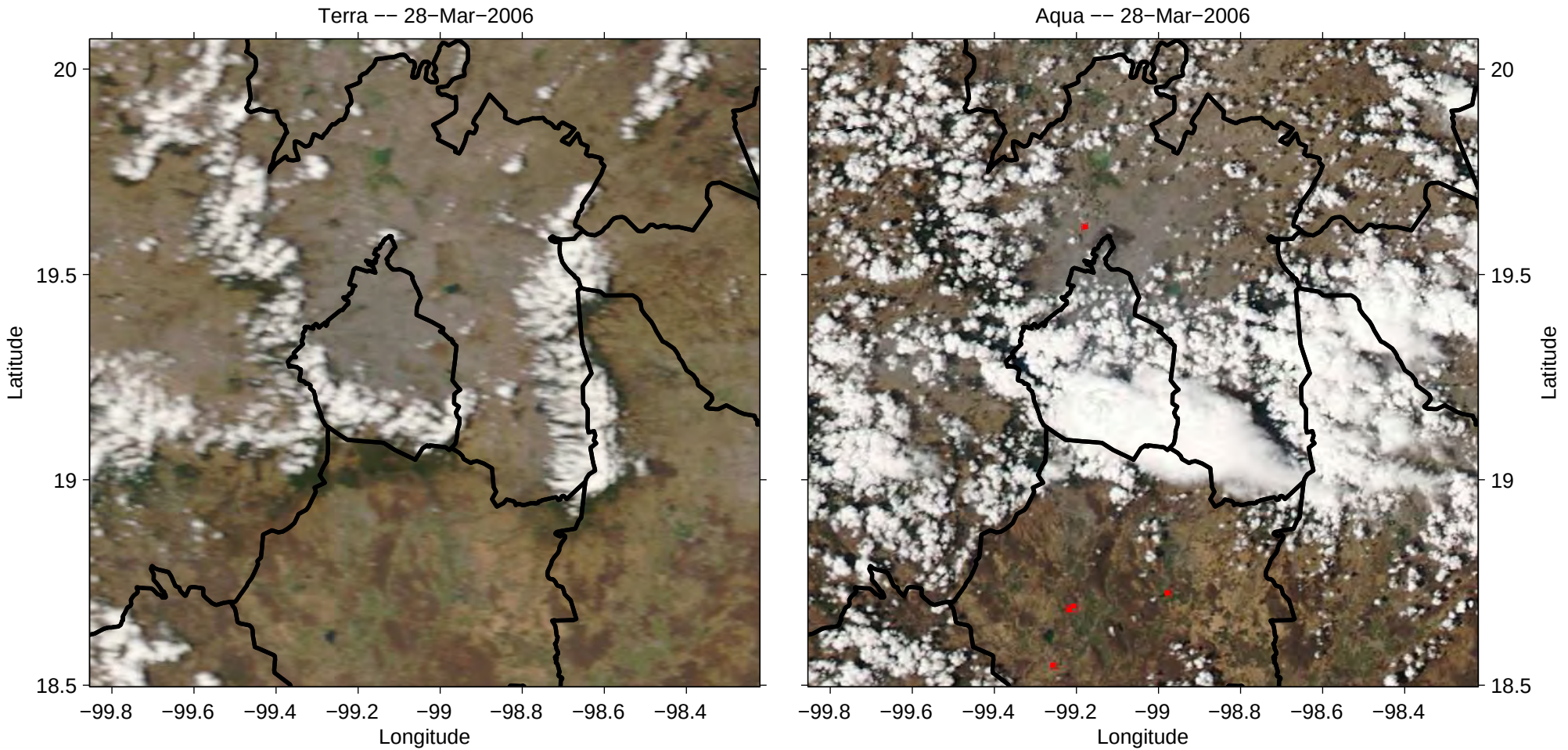
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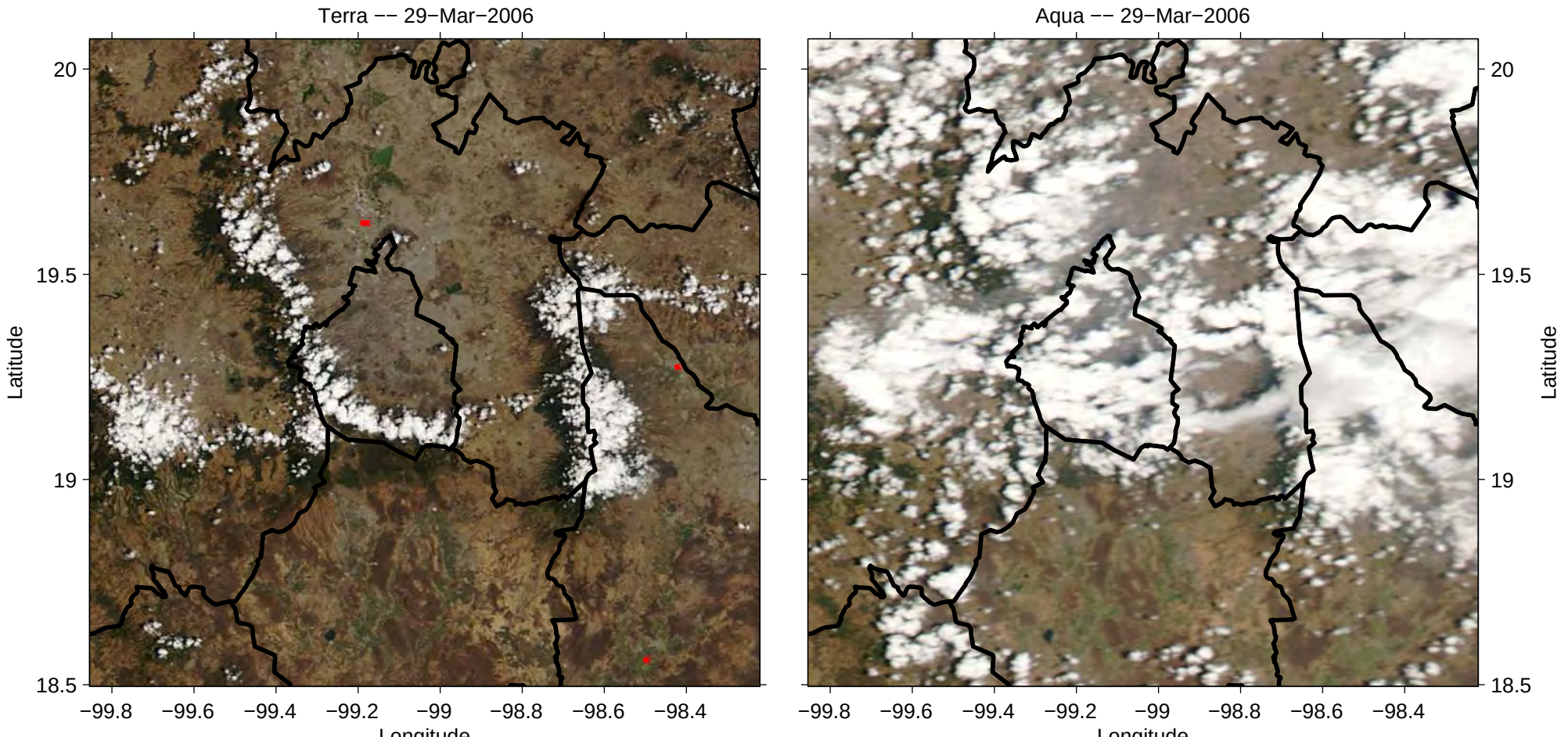
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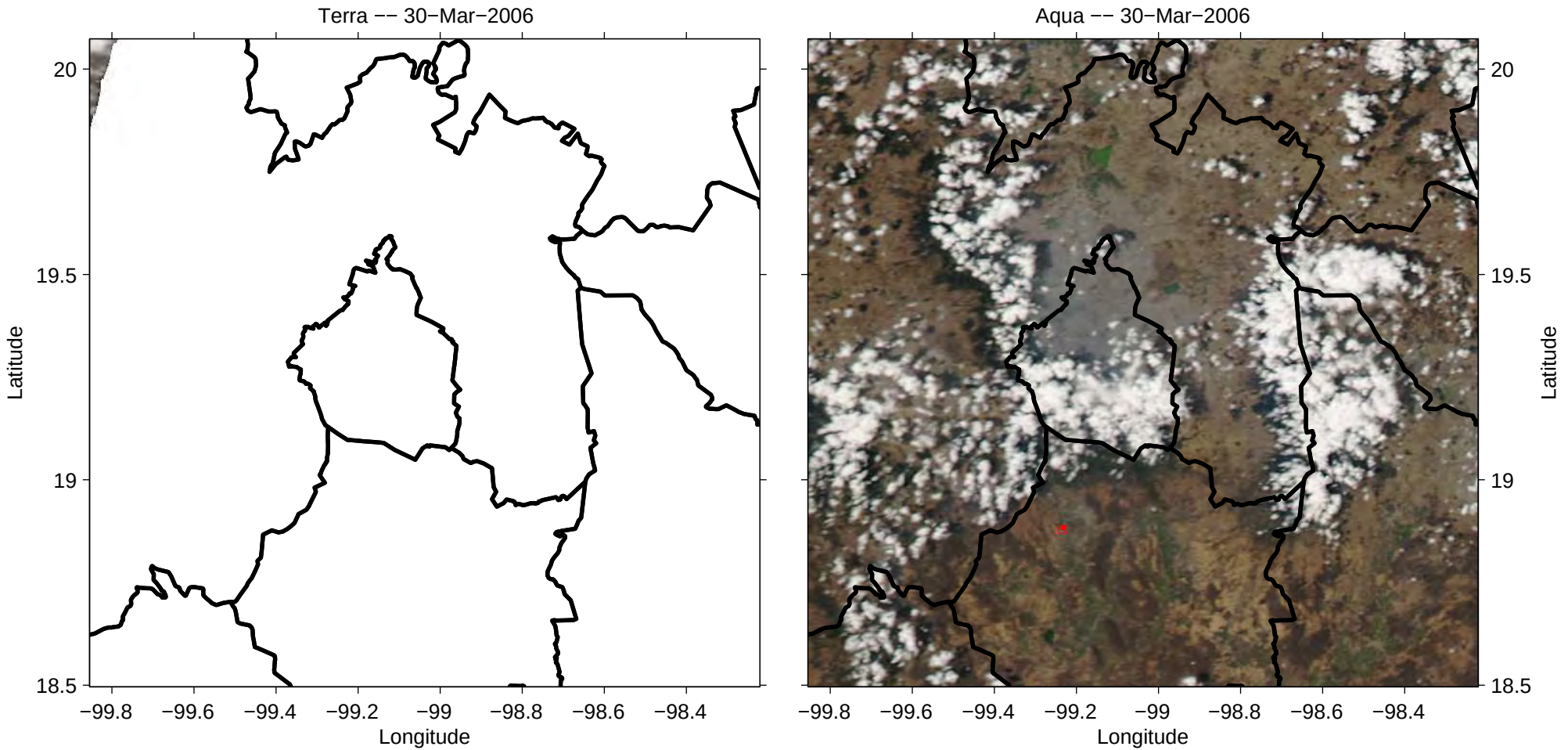
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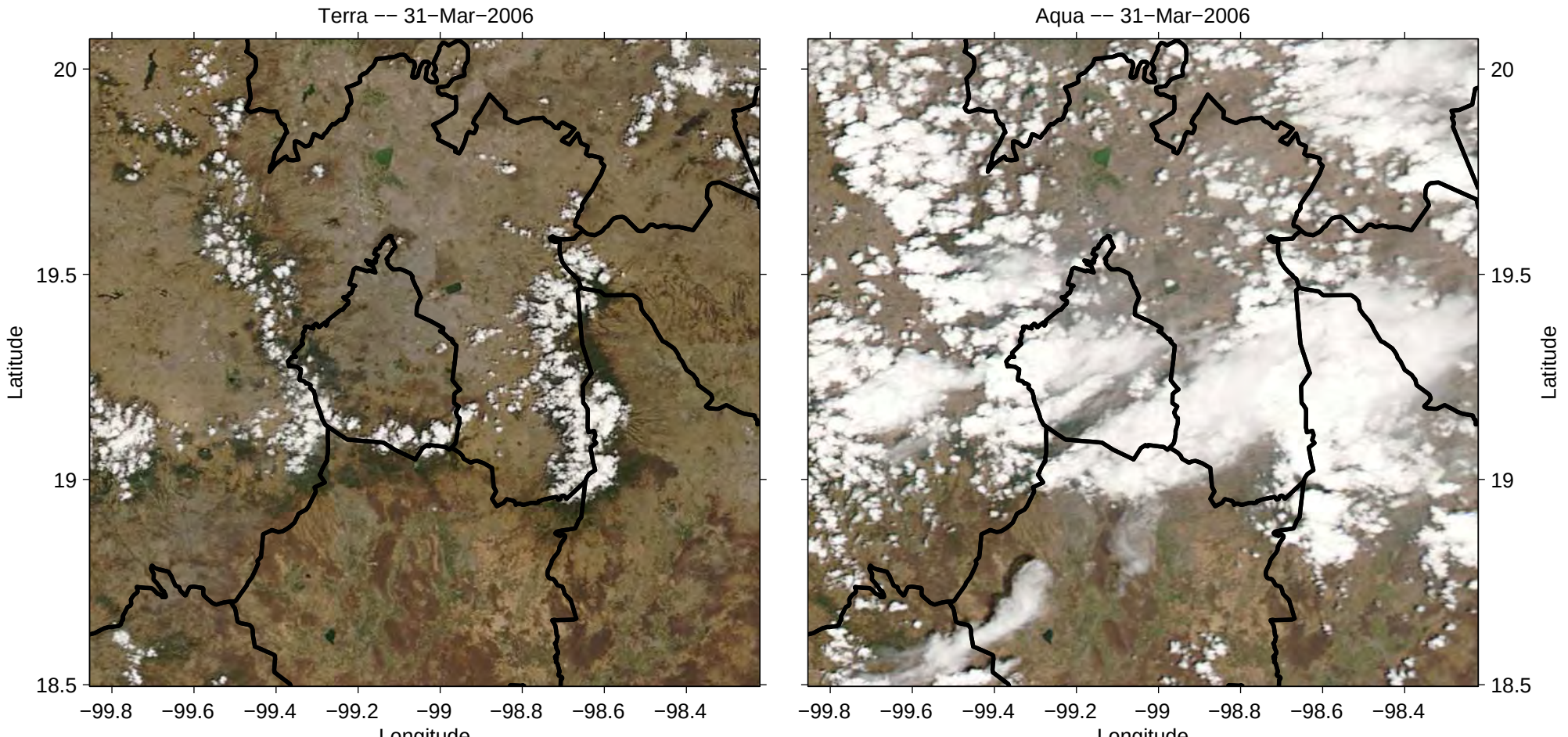
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