

CRS4773

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our 50th State. A Photo Mosaic From ERTS-1 -- Hawaii, the 50th state was imaged and the photo assembled to a mosaic from the Earth Resources Technology Satellite (ERTS-1) Multispectral Scanner System (MSS). Imagery using band 5 (0.6-0.7 micrometers red portion of the visible spectrum). From all of the best images of the 5 orbits over the island chain. In total, only 7 frames were used from routine imaging, clouds still prevail, obscuring some portions of the islands. The islands from west to east are; Hawaii, Maui, Kahoolawe, Molokai, Lanai, Oahu, Kauai, and Niihau. This island chain contains the largest active volcano in the world, Maunaloa on the island of Hawaii as indicated by the darker volcanic flows which extend down from the central cone. Also, on the island of Kauai, Mount Waialeale is the rainiest spot in the world measuring 460 inches in one year. The meteorological phenomenon for this occurrence is the reason for the persistent cloud cover as the satellite covers the 6,450 square miles of Hawaii.

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Science: Artificial Satellite (ERTS)

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Nuestro Estado N° 50: Foto Mosaico desde el ERTS-1 -- Hawaii, el estado n° 50 de la Unión fue captado en imágenes y la foto montada es un mosaico procedente de la cámara MSS del ERTS-1, formada por las mejores imágenes de las 5 órbitas sobre la cadena de islas. Estas islas, de oeste a este, son: Hawaii, Maui, Kahoolawe, Molokai, Lanai, Oahu, Kauai y Niihau; además las islas contienen el volcán activo mayor del mundo, el Maunaloa, en la isla de Hawaii, como se indica por las corrientes volcánicas más oscuras que se extienden descendiendo desde el cono central. También en la isla de Kauai, el monte Waialeale es el lugar más lluvioso del mundo. El fenómeno meteorológico citado es la causa de la persistente capa de nubes cuando el satélite cubre las 6,450 millas cuadradas de Hawaii.