

2 VOLCANIC FEATURE: VOLCANOES

Geographic Location: RUSSIA
Image ID#: STS61A-45-98



- This astronaut image includes two of more than 100 volcanoes that exist in this region. These snow covered volcanoes are located in the Kamchatka Peninsula in Russia. This area is part of the “Ring of Fire” and has many active volcanoes.
- **OTHER VISIBLE FEATURE(S):** Caldera, lava drainage channels, snow, lake

VOLCANIC FEATURE: VOLCANOES 1

Geographic Location: UNITED STATES
Image ID#: ISS013-E-24184



- This astronaut image captured the beginning of an eruption of a stratovolcano in Alaska called the Cleveland Volcano. Carlisle Island, another volcano, is visible in the upper left hand portion of the image.
- **OTHER VISIBLE FEATURE(S):** Ash plume, central vent, ocean, snow

4 VOLCANIC FEATURES: VOLCANO, CALDERA, LAVA FLOWS

Geographic Location: CHAD
Image ID#: ISS016-E-8402



- This astronaut image shows the Emi Koussi Volcano located at the south end of the Tibesti Mountains in Chad. Extensive lava flows are visible all around the volcano.
- **OTHER VISIBLE FEATURE(S):** n/a

VOLCANIC FEATURES: VOLCANOES, CALDERAS, LAVA FLOWS 3

Geographic Location: SAUDI ARABIA
Image ID#: ISS016-E-034524



- This astronaut image is taken of a volcanic field in Saudi Arabia. There are volcanoes of different sizes, shapes, and chemical compositions. Lava flows vary in color. Features that look like impact craters were actually caused by volcanic eruptions in the presence of water (some of which are now filled with light-colored sand and silt).
- **OTHER VISIBLE FEATURE(S):** n/a



EARTH

VOLCANIC FEATURES

6 VOLCANIC FEATURES: LAVA FLOWS, CALDERA

Geographic Location: UNITED STATES
Image ID#: ISS017-E-013065



- This astronaut image shows lava flows on either side of the summit caldera of the tallest volcano on Earth. Mauna Loa, located on the Big Island of Hawaii rises ~9 km (~5.6 mi) above the sea floor.
- **OTHER VISIBLE FEATURE(S):** Clouds

VOLCANIC FEATURE: CALDERA 5

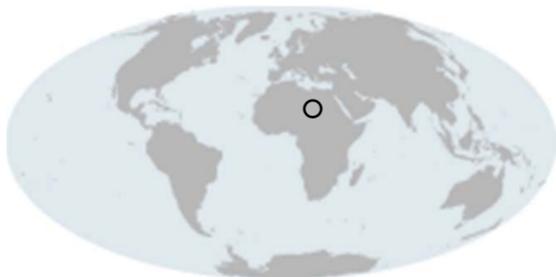
Geographic Location: SUDAN
Image ID#: ISS018-E-6051



- This astronaut images is taken of the Deriba Caldera, a dormant volcanic structure located at the top of the Marra Mountains in western Sudan. Numerous drainage networks are visible around the caldera. Within the caldera are two inner volcanic depressions called craters.
- **OTHER VISIBLE FEATURE(S):** Drainage networks, inner crater lakes

8 VOLCANIC FEATURE: LAVA FLOWS

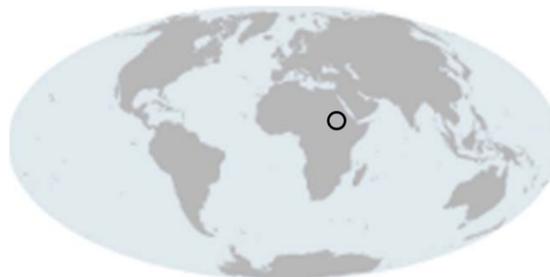
Geographic Location: CHAD
Image ID#: ISS016-E-035095



- This astronaut image shows distinct, dark lava flows of the Tousside Peak Volcano in Chad. The Tousside Peak Volcano (not shown in this image) is the westernmost volcano of the Tibesti Mountains in northwestern Chad.
- **OTHER VISIBLE FEATURE(S):** n/a

VOLCANIC FEATURE: LAVA FLOWS 7

Geographic Location: ETHIOPIA
Image ID#: ISS017-E-5656



- This astronaut image shows distinct, dark lava flows in the Afar volcanic region of Ethiopia. Although not visible in this image, three large volcanoes are located to the north of these lava flows.
- **OTHER VISIBLE FEATURE(S):** n/a