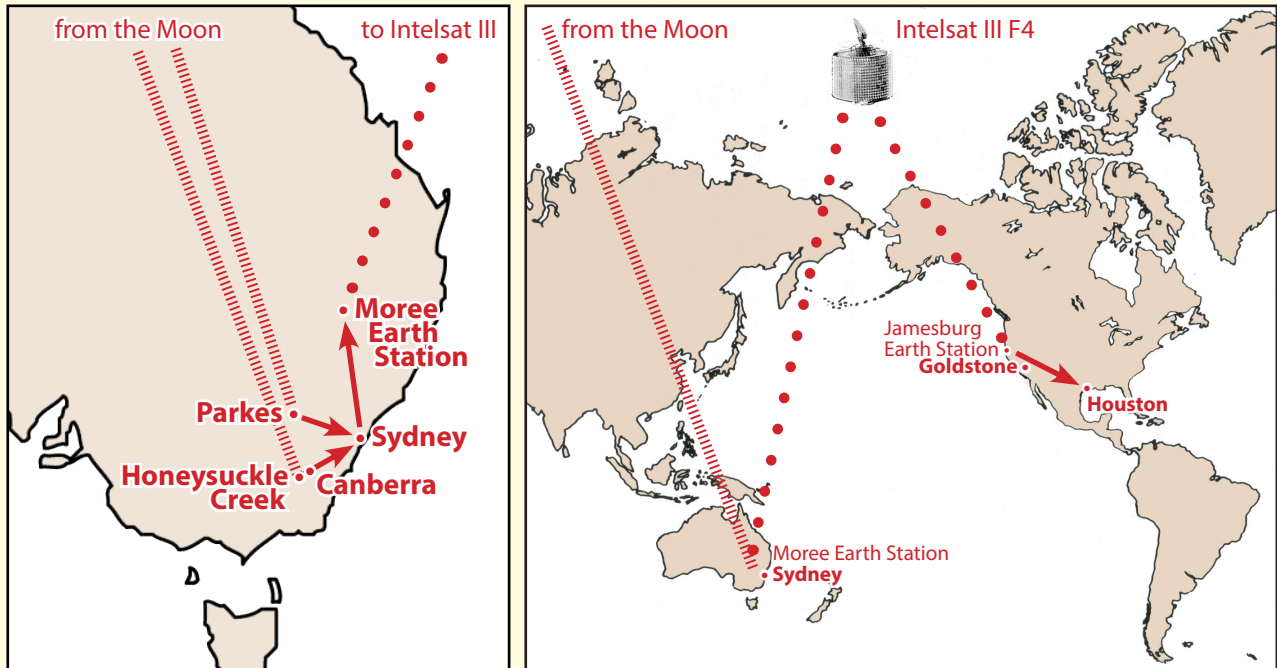


How the Apollo 11 TV was relayed from the Australian tracking stations



The bulk of the Apollo 11 Moonwalk was seen via the Australian tracking stations. However, long distance analogue transmission to Houston meant that the TV had been degraded by the time it reached Mission Control.

The slow scan TV from the Moon was scan converted on-site at Honeysuckle Creek, and the US standard format TV was then sent to Sydney. The Parkes slow scan TV was scan converted at Sydney. (It was the scan conversion that apparently was a prime source of image degradation.)

From Sydney, the signals from the Australian stations faced –

- microwave transmission to the OTC Moree Earth Station
- relay by the Intelsat III F4 Pacific satellite to the Jamesberg Earth Station in California
- and finally transmission via commercial carriers to San Francisco and then across the US to Houston, where the TV was then released to the world.

(The Australian TV broadcast, of which there is only a poor quality recording, originated from the Sydney Video switching centre and therefore did not suffer the satellite transmission losses.)

Graphic: Colin Mackellar, www.honeysucklecreek.net