



# Commercial Airborne Collection

## Advanced Processing and Analytics

### Collect, Process, Exploit and Disseminate Data

Intermap Technologies® provides custom airborne data collection services to help you create innovative geospatial solutions for numerous commercial, government, and defense applications. Our FAA-certified commercial Learjet-36 is capable of fast data collection, including triple-canopy foliage penetration at high altitude. Our rapid collection and processing infrastructure allow for the exploitation and efficient dissemination of data. Intermap's multi-sensor platform can be deployed for wide-area coverage of highly accurate radar imagery unencumbered by weather, clouds or trees.

### Key Features and Benefits



#### All-Weather Acquisition

Mapping anywhere, day or night, in any weather or cloud coverage



#### Fast, Wide-Area Coverage

Can collect 100 miles<sup>2</sup> per minute with an 11.1 nautical mile swath width



#### Dual-Look

Acquire data on both sides to increase efficiency and reduce shadow



#### Multi-Sensor Collection

Multi-sensor radar capabilities allow high-resolution imaging, including features beneath dense forest canopy



#### Change Detection

Detect feature changes beneath the canopy that are invisible in optical imagery



#### Autonomous Collection

Operating in an automated fashion eliminates the need for an operator



## Multi-Sensor Platform

Our multi-sensor IFSAR data collection services are ideal if you need cost-effective, wide-area geospatial solutions with higher resolution than satellite-acquired data. They provide accurate digital elevation models (DEMs), high-resolution, radiometrically balanced 50-cm images, and supplemental thematic layers that are best suited for mapping projects. IFSAR is optimal for feature extraction of roads, cultural features, hydrology, and structures – all elements necessary for value-added geospatial products. Our multi-sensor platform is also capable of providing both detailed sub-canopy information, as well as feature detection and extraction. The data can be used to identify infrastructure, reveal hidden objects such as wires, fences and cables above and below the canopy, classify land cover and usage, monitor erosion, and detect changes in features over time.

### Airborne Collection Specifications

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Collection Rate</b>       | 100 miles <sup>2</sup> / minute |
| <b>Max Altitude</b>          | 38,000 feet                     |
| <b>Max Speed</b>             | 400 knots                       |
| <b>Max Range</b>             | 1,700 nautical miles            |
| <b>Max Flight Duration</b>   | 5 hours                         |
| <b>Max Standoff Distance</b> | 16 nautical miles               |



Visit [www.intermap.com](http://www.intermap.com)  
or call +1 (303) 708-0955  
for more information.

Intermap Technologies is an industry leader serving a diverse geospatial marketplace. We provide highly accurate geospatial information to help commercial enterprises and government agencies make better location-based decisions.

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*Multi-sensor data collected shows high-resolution surface details and features (left.) Foliage penetration reveals infrastructure, wires, fences and cables (right).*



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