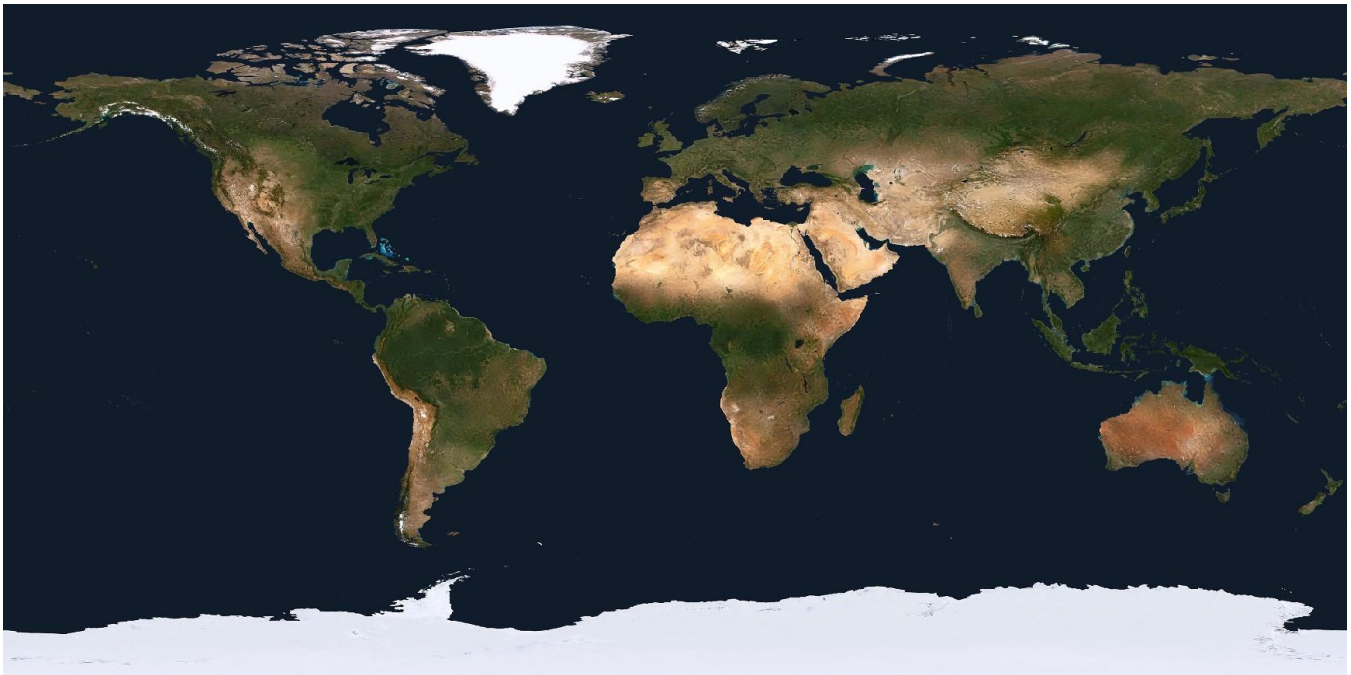


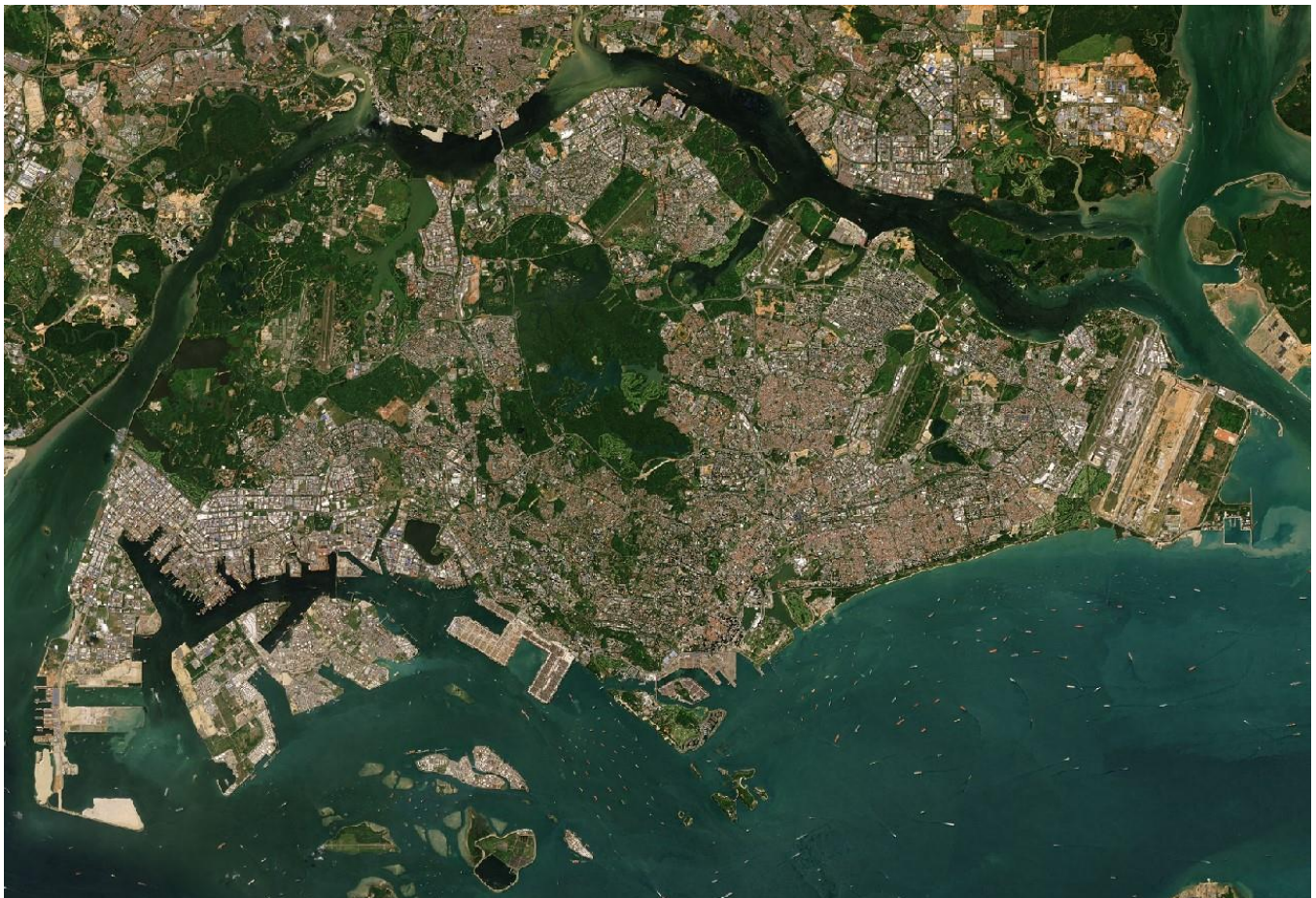
TerraColor® NextGen Specifications Sheet

TerraColor NextGen is a seamless, true color satellite imagery map of the entire planet sampled at a spatial resolution of 15 meters-per-pixel. The product is created from 1000's Landsat 8 satellite scenes that have been carefully processed and balanced to provide top quality color and contrast. NextGen offers an up-to-date medium resolution base map of the entire globe, and provides a perfect complement to high resolution imagery by delivering a consistent, regional view of larger areas.



- **100% True Color** - Processed using satellite bands corresponding to the same wavelengths of light to which the human eye is sensitive (called "true color"), NextGen provides truly realistic views of the earth. In contrast to other products created with artificial colors, NextGen provides an excellent color match to high resolution true color imagery base maps.
- **15-Meter Resolution** - NextGen's spatial resolution of 15 meters per pixel is perfect for viewing the earth from global scales all the way down to 1:60,000 map scale. You can clearly see land use, urbanized areas, freeways, agricultural areas, rivers, coral reefs, and much more.
- **Nearly Cloud-Free** - With less than 0.25% cloud cover globally, NextGen offers clear, haze-free views of the earth. Algorithms are used to reduce clouds and atmospheric haze, even in difficult areas with chronic cloud cover such as equatorial tropical rain forests, Alaska's Aleutian Islands and the southern tip of South America.

- **Seamless and Consistent** - We have carefully mosaicked and color balanced 1000's of Landsat 8 images to create a seamless view of the entire planet. We have also optimized the image contrast globally to maximize information content and make features easier to distinguish.
- **Ocean masking** - Using our proprietary variable-density ocean mask, we remove clouds, ice and image edges from ocean areas and fill them with a consistent blue ocean fill to provide a clean, finished map-like look. We can also use the mask to fill bathymetric color shaded reliefs or other images into ocean areas.
- **Source data** - Landsat 8 satellite imagery.
- **Imagery date range** - Primarily 2014-2017, now with updates including 2018-2019 imagery for the US 48 states (CONUS), entire Middle East, North and South Korea, Taiwan, the top 300 urban areas of the world (home to nearly one half the world's population), and many other areas.
- **Positional accuracy** - 12-meter circular error, 90% confidence globally.
- **Imagery extents** - Complete global coverage, with lower resolution imagery at the polar caps (85-90 N and S) where Landsat 8 coverage is not available.



TerraColor NextGen - Republic of Singapore