

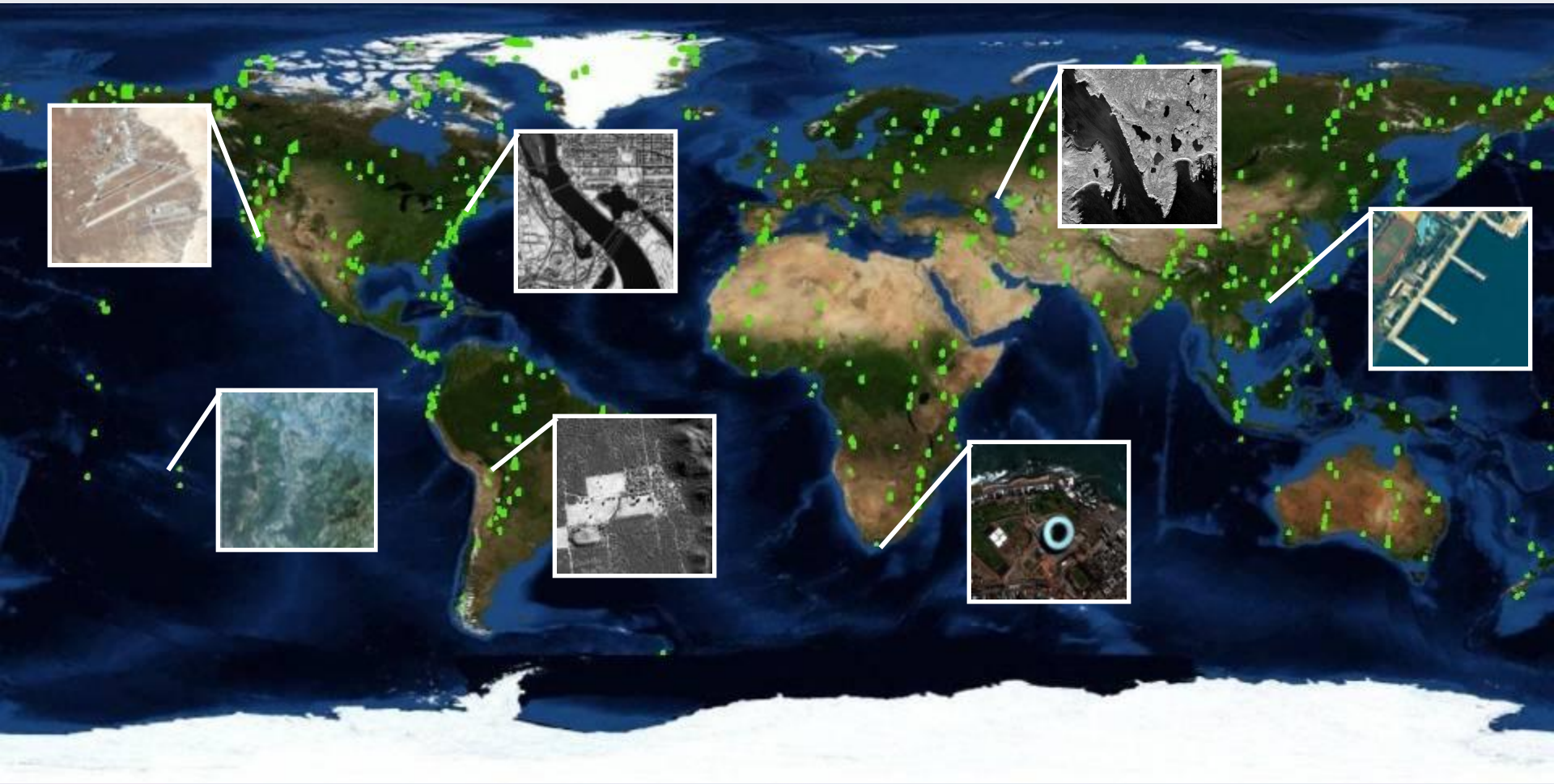
---

- MundoGeo Connect 2011

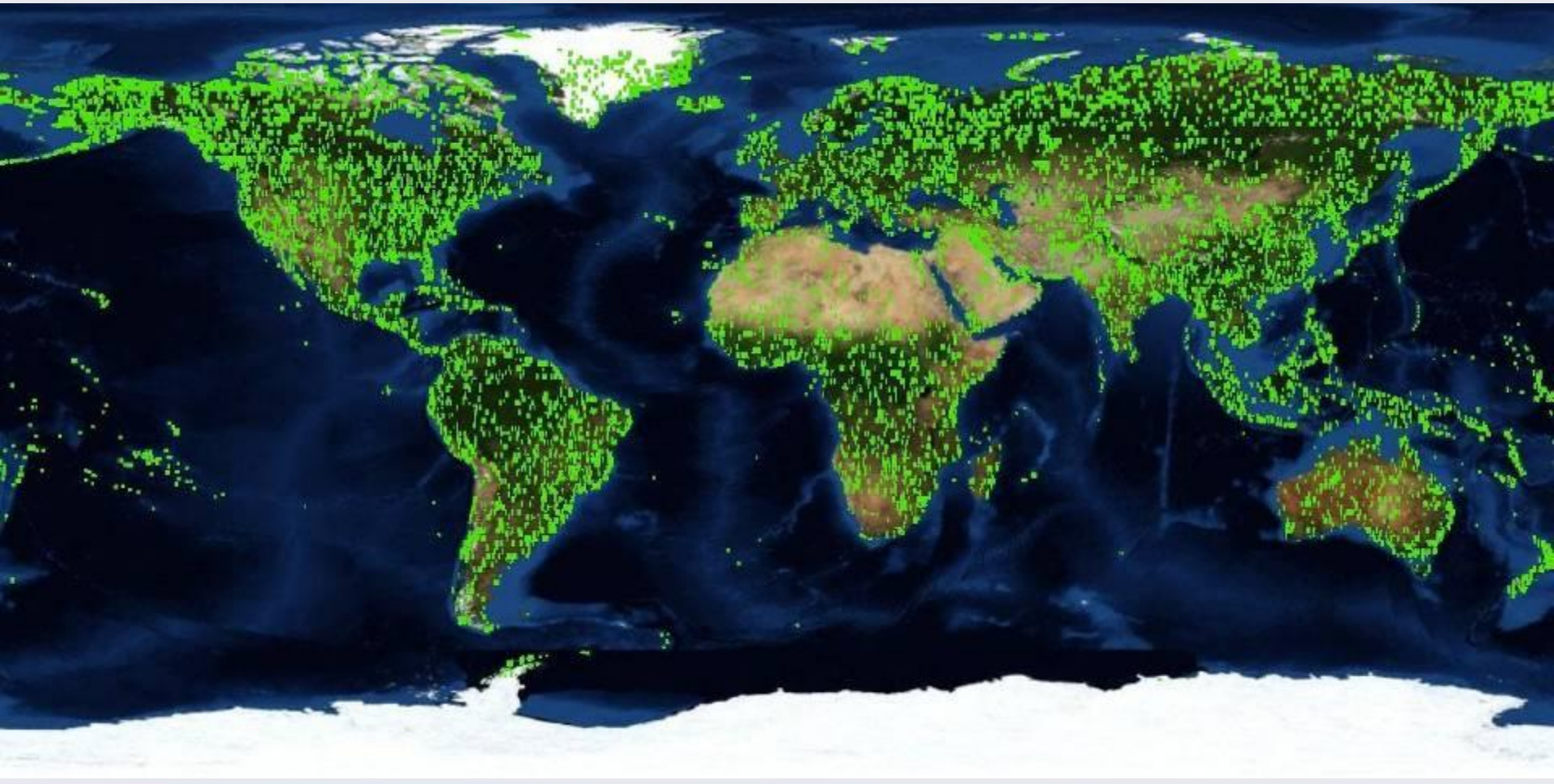
DigitalGlobe

- **Dados Gratuitos x Dados Pagos**

# One Day of Collection



# 30 Days of Collection



# Reliable Currency and Refresh (worst case)

## More Accesses:

- 28 total accesses
- Panchromatic: 28
- Multispectral: 19
- Stereo Access: 22

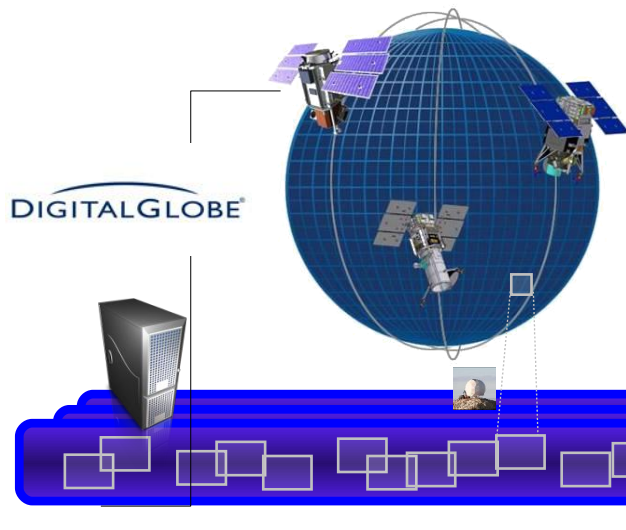
## Better Collection:

- 7 Intraday revisits

## Faster Refresh

| 30 Day Window at ~°33 latitude  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| 1<br> WV-1<br> WV-2 | 2<br> WV-2  | 3  | 4<br> WV-2  | 5<br> QB<br> WV-1  | 6  | 7<br> WV-2  |
| 8<br> QB   | 9<br> WV-1  | 10<br> WV-1<br> WV-2 | 11   | 12<br> WV-2   | 13<br> QB<br> WV-2 | 14<br> WV-1 |
| 15<br> WV-2  | 16   | 17   | 18<br> QB<br> WV-1<br> WV-2 | 19   | 20   | 21<br> WV-2 |
| 22<br> WV-1  | 23<br> QB<br> WV-2 | 24   | 25   | 26<br> QB<br> WV-1<br> WV-2 | 27<br> WV-1   | 28   |
| 29<br> WV-2  | 30   |  |  |  |  |  |

Results based on 30° off nadir



Google



ORACLE

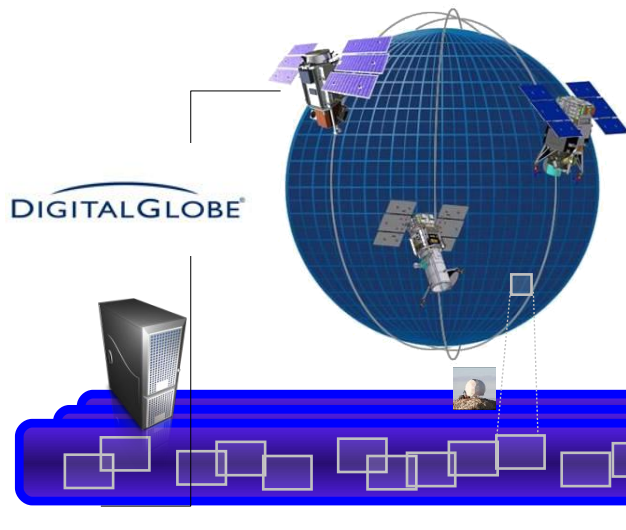


DIGITALGLOBE



DIGITALGLOBE

DIGITALGLOBE



Google



ORACLE

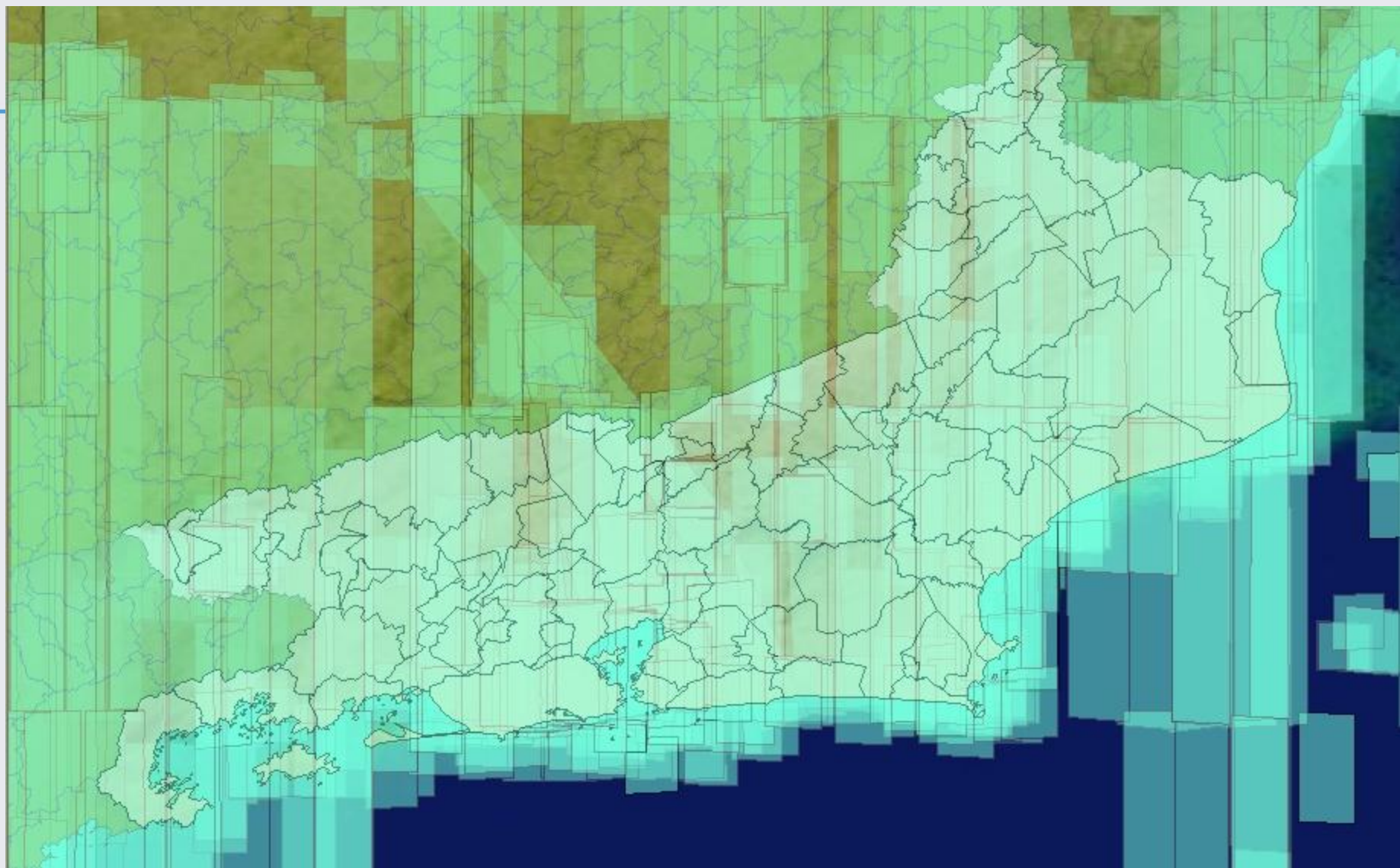


DIGITALGLOBE

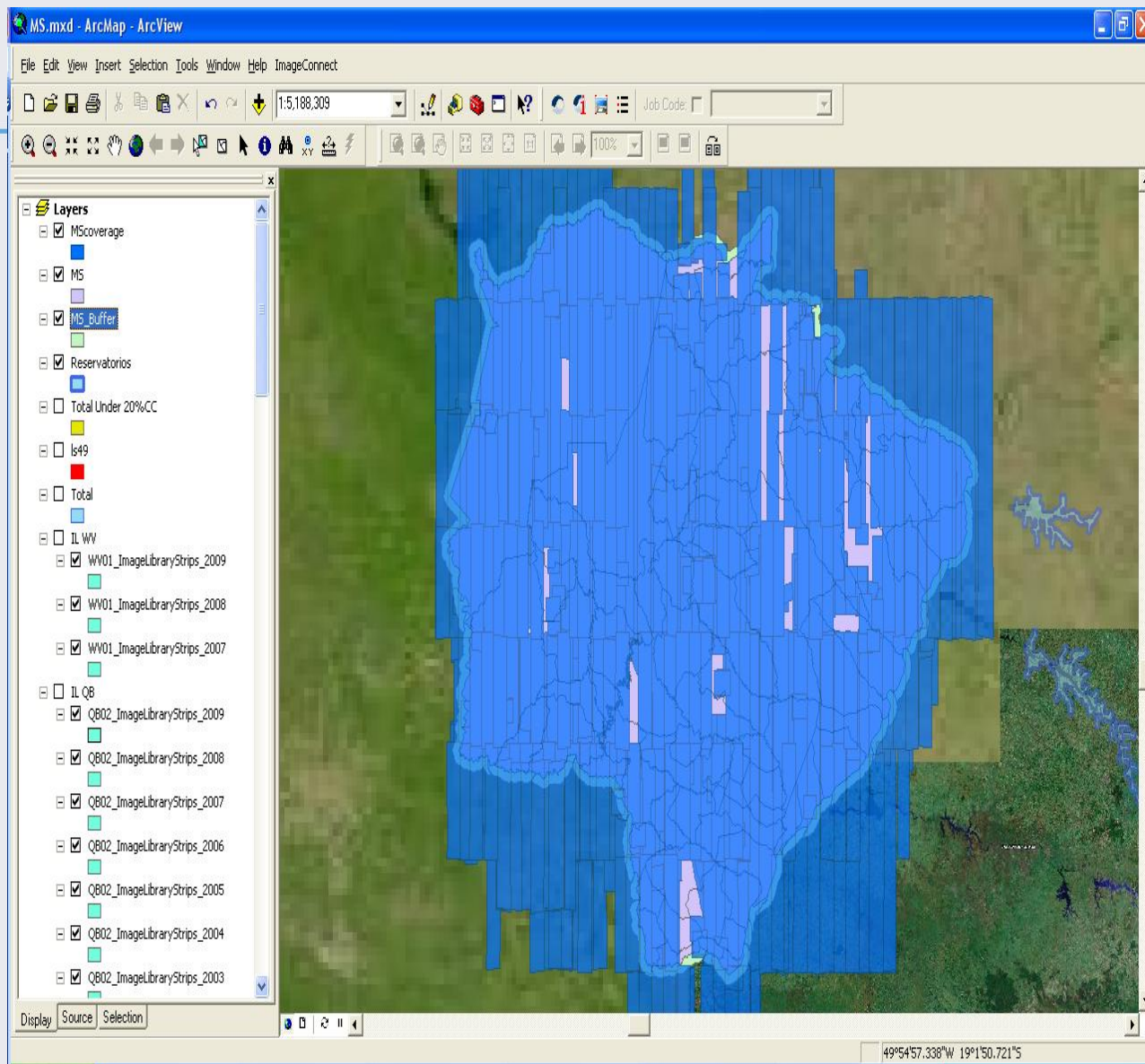


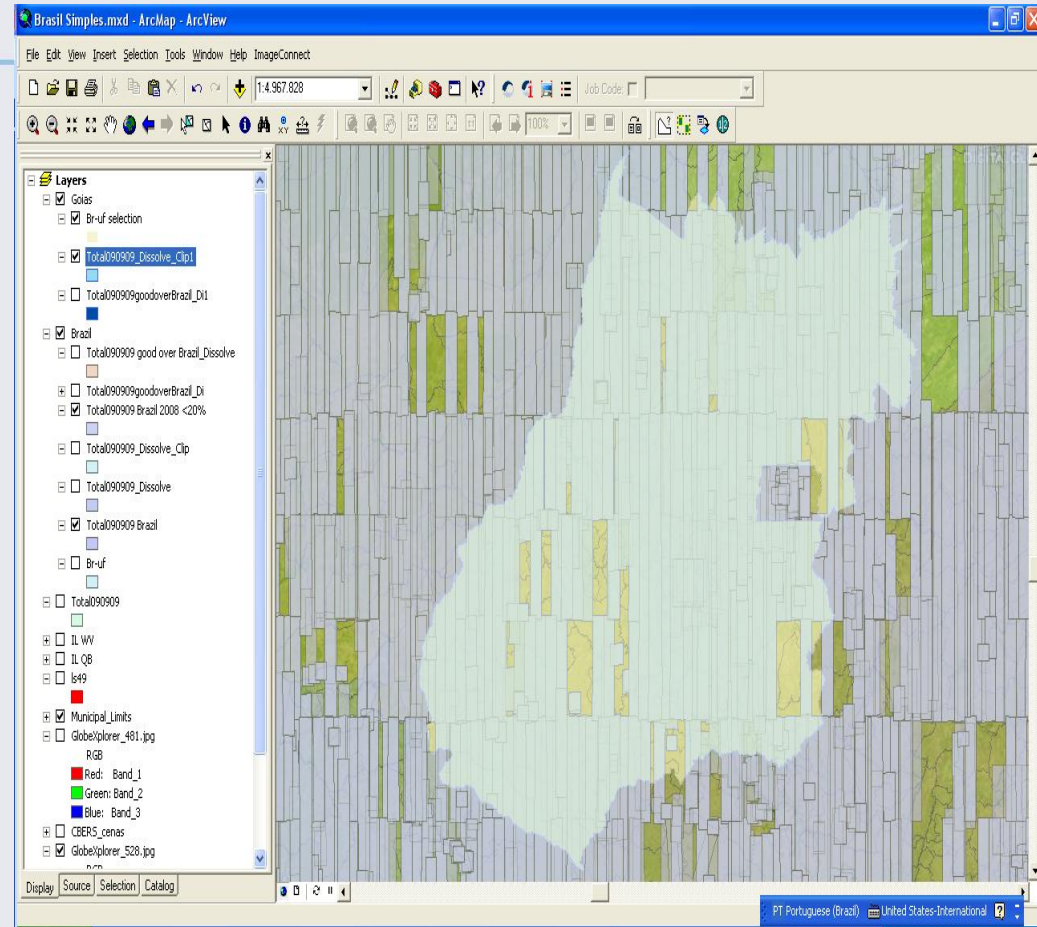
DIGITALGLOBE

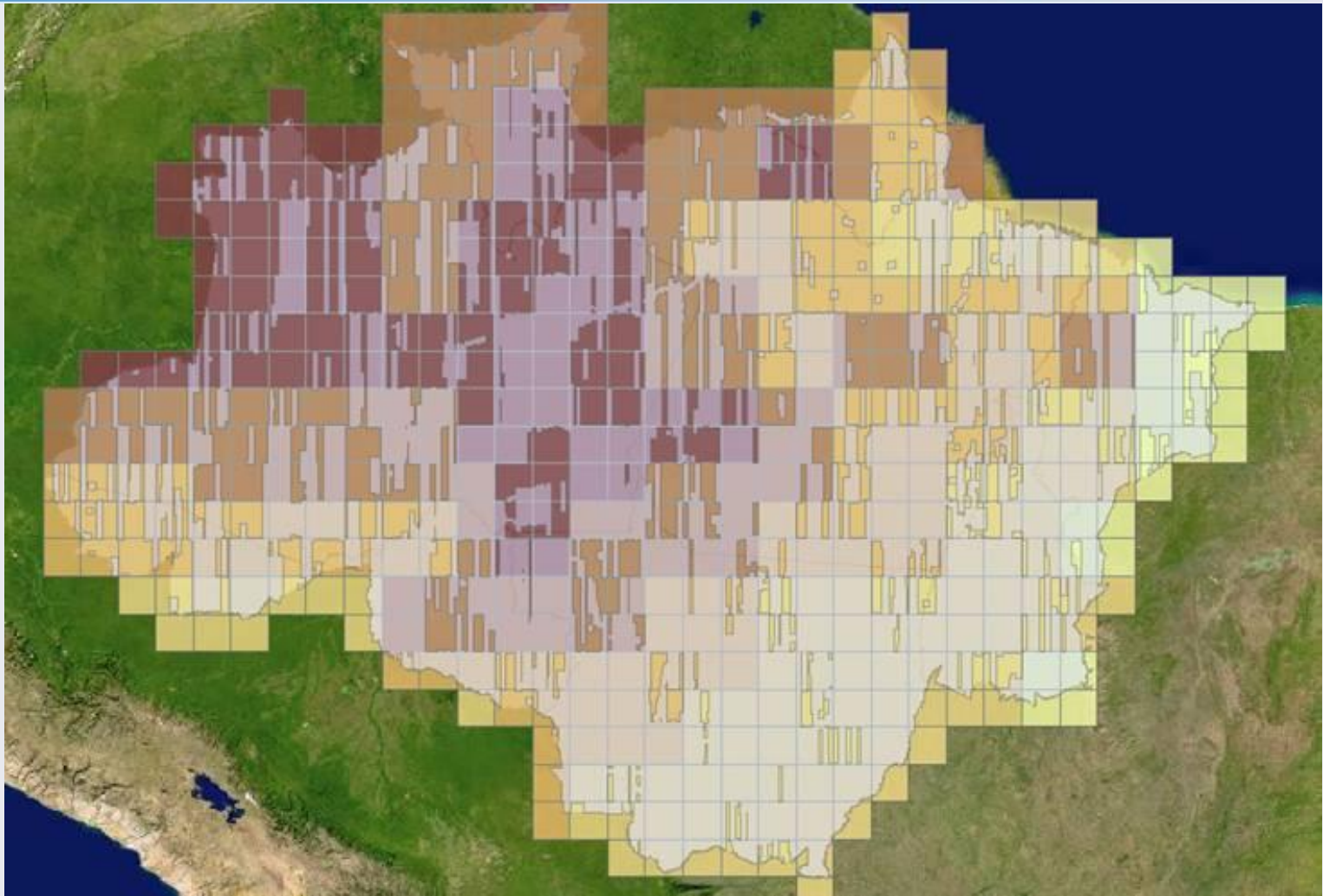
DIGITALGLOBE





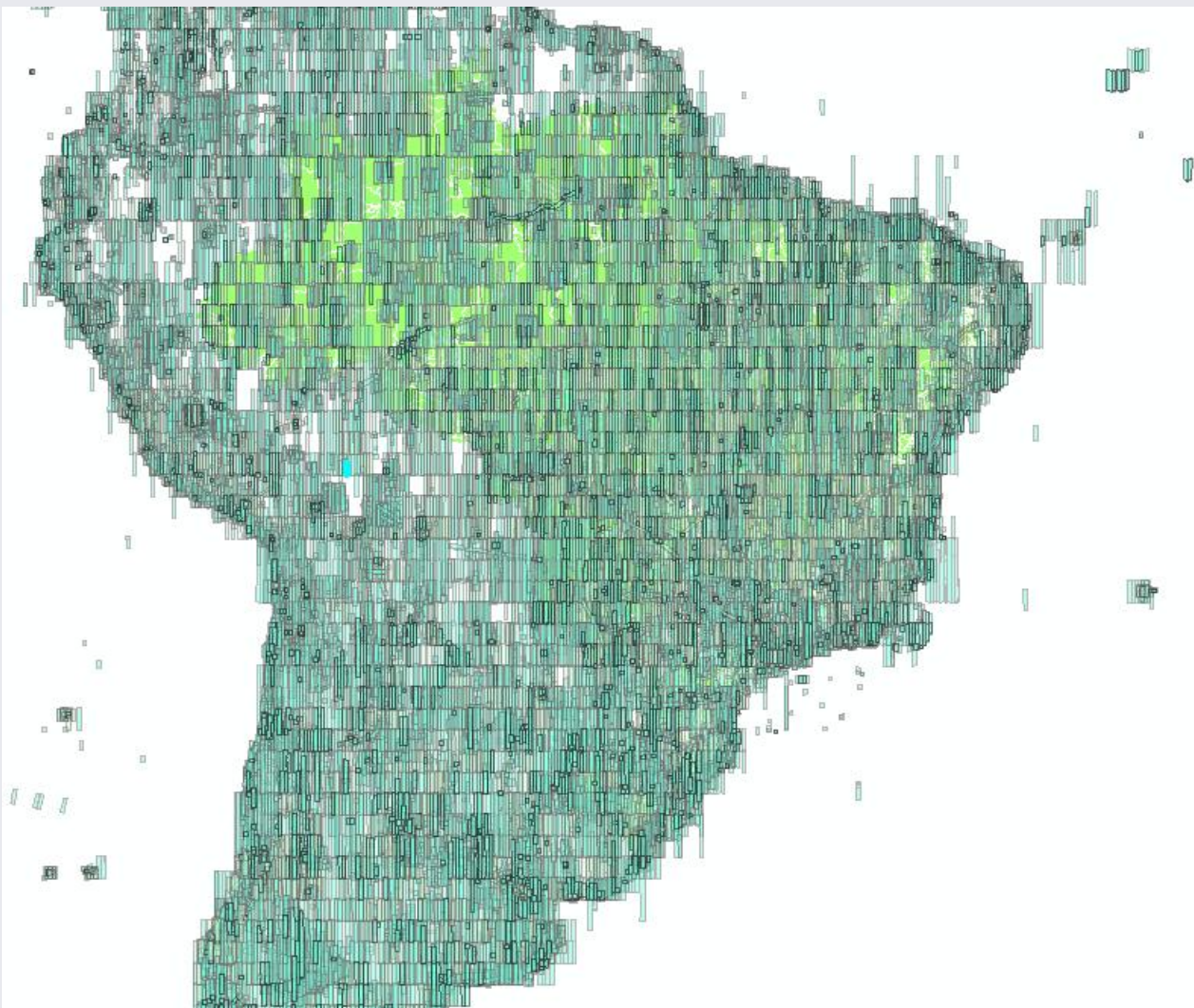






## The Most Agile Satellite in the World

### ImageLibrary content over Brazil









## Satélite WorldView

5 Km<sup>2</sup> sobre a região de São Pa

Composição: Cores Verdade

Resolução Espacial: 50 centí

Escala 1:10.000

0 30 60 120 180 240

Metros



## Satélite WorldView

5 Km<sup>2</sup> sobre a região de São Pa

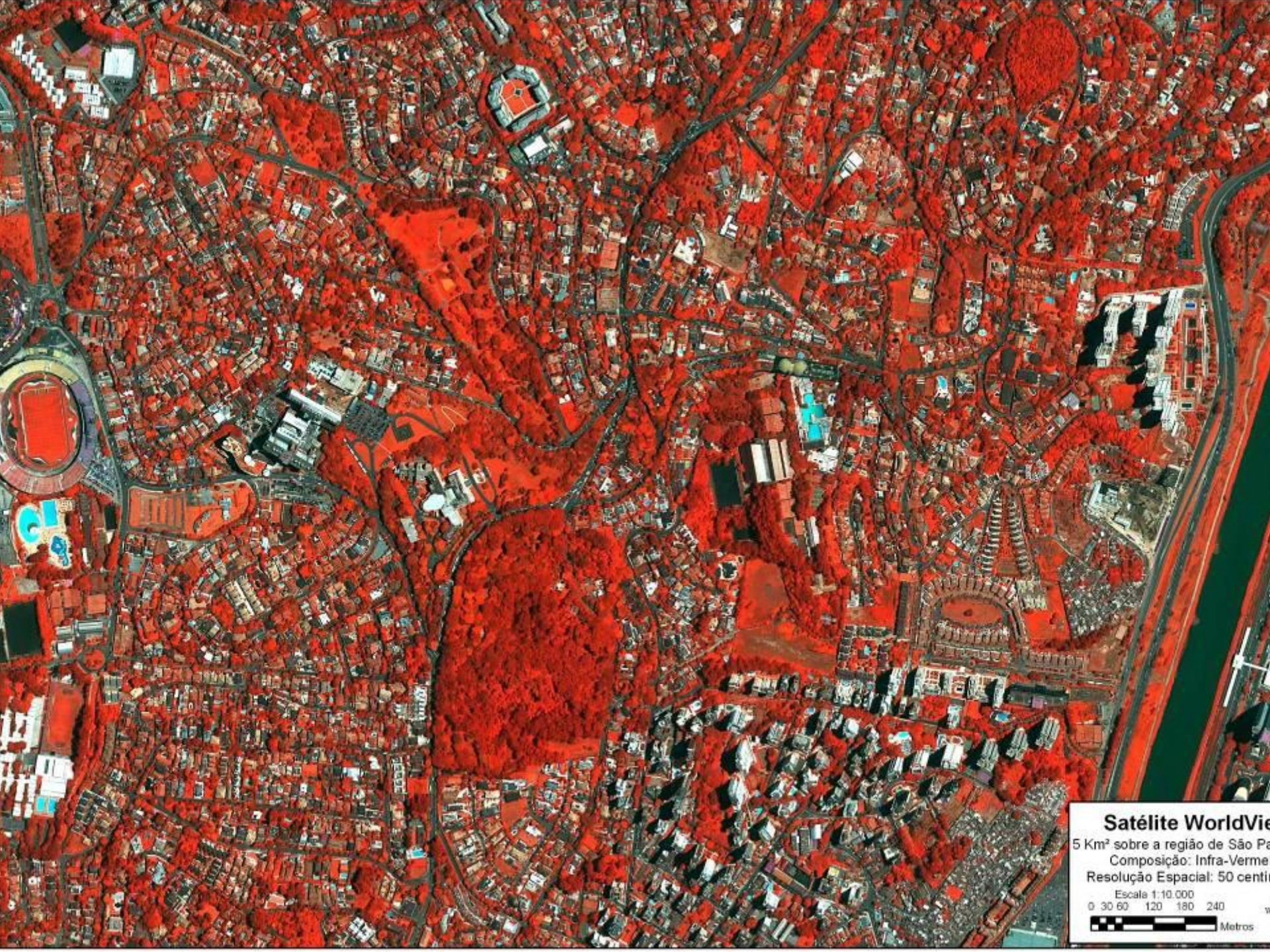
Composição: Cores Natur

Resolução Espacial: 50 centí

Escala 1:10.000

0 30 60 120 180 240

Metros



## Satélite WorldView

5 Km<sup>2</sup> sobre a região de São Paulo

Composição: Infra-Verme

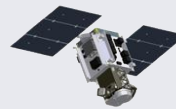
Resolução Espacial: 50 centí

Escala 1:10.000

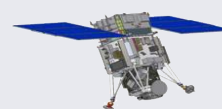
0 30 60 120 180 240

Metros





**QuickBird**



**WorldView-1**

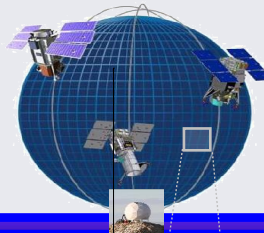


**WorldView-2**

|  |                               |   |                      |
|--|-------------------------------|---|----------------------|
| <b>Operational Altitude</b>                  | 450 km                        | 450 km  | 770 km               |
| <b>Weight Class</b>                          | 900 Kg (2000 lbs)             | 2,500 Kg (5,500 lbs)  | 2,745 Kg (6,050 lbs) |
| <b>Spectral Characteristics</b>              | Pan / 4 MS                    | Pan   | Pan / 8 MS           |
| <b>Panchromatic Resolution (nadir)</b>       | 0.61 meters                   | 0.46 meters (0.5 m)   | 0.46 meters (0.5 m)  |
| <b>Multispectral Resolution (nadir)</b>      | 2.4 meters                    | NA  | 1.8 meters (2.0 m)   |
| <b>Swath Width</b>                           | 16.5 km                       | 16.4 km   | 16.4 km              |
| <b>Ave. Revisit (to 40° latitude target)</b> | 3.5 days                      | 2 days  | 1 day                |
| <b>Monoscopic Area Coverage</b>              | 1 X                           | 4.5X per satellite  |                      |
| <b>Single-Pass Stereoscopic Coverage</b>     | Single Scene (<10° off nadir) | 2 x 2 Scenes (<30° off nadir)<br>1X10 Scenes (<30° off nadir) |                      |
| <b>Primary Attitude Control Mechanism</b>    | Reaction Wheels               | Control Moment Gyros  |                      |
| <b>Onboard Storage</b>                       | 137 Gbits                     | 1600 Gbits  |                      |
| <b>Wideband Link Rate</b>                    | 320 Mbps                      | 800 Mbps  |                      |
| <b>Rapid Delivery Options</b>                | Virtual Ground Terminal (VGT) | Direct Downlink, VGT  |                      |

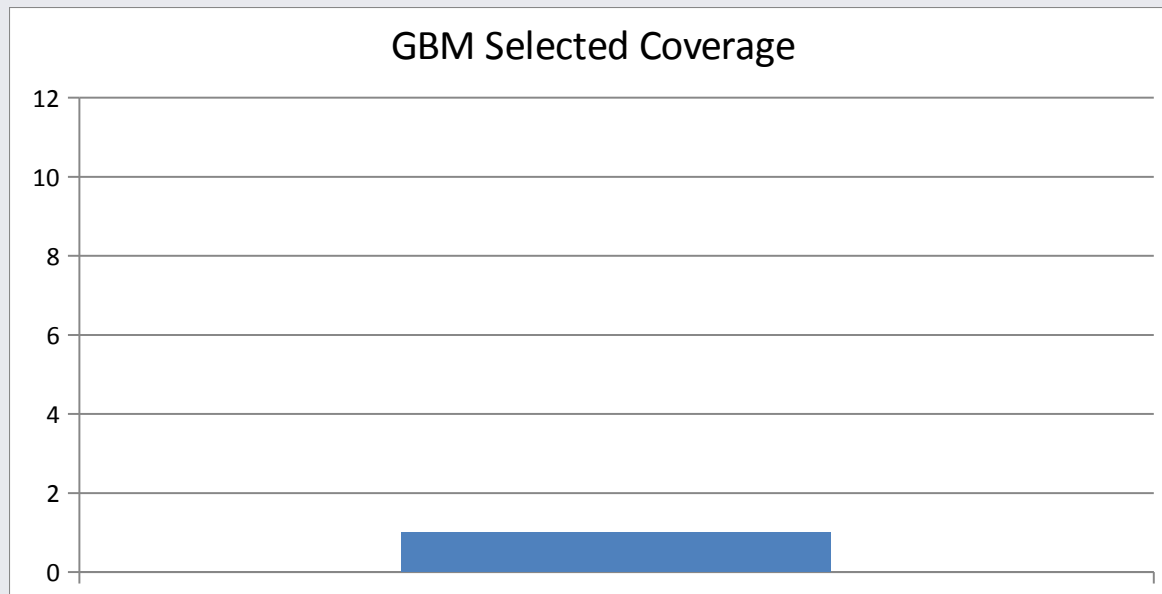


DIGITALGLOBE®



# Brazil Current Coverage

- Over 75% of the country is covered with high resolution images with no clouds
- Over 40% of the coverage is less than 4 years old
- ~ 30% of the coverage is from high accuracy products (WV1 and WV2)



# Estimated future coverage

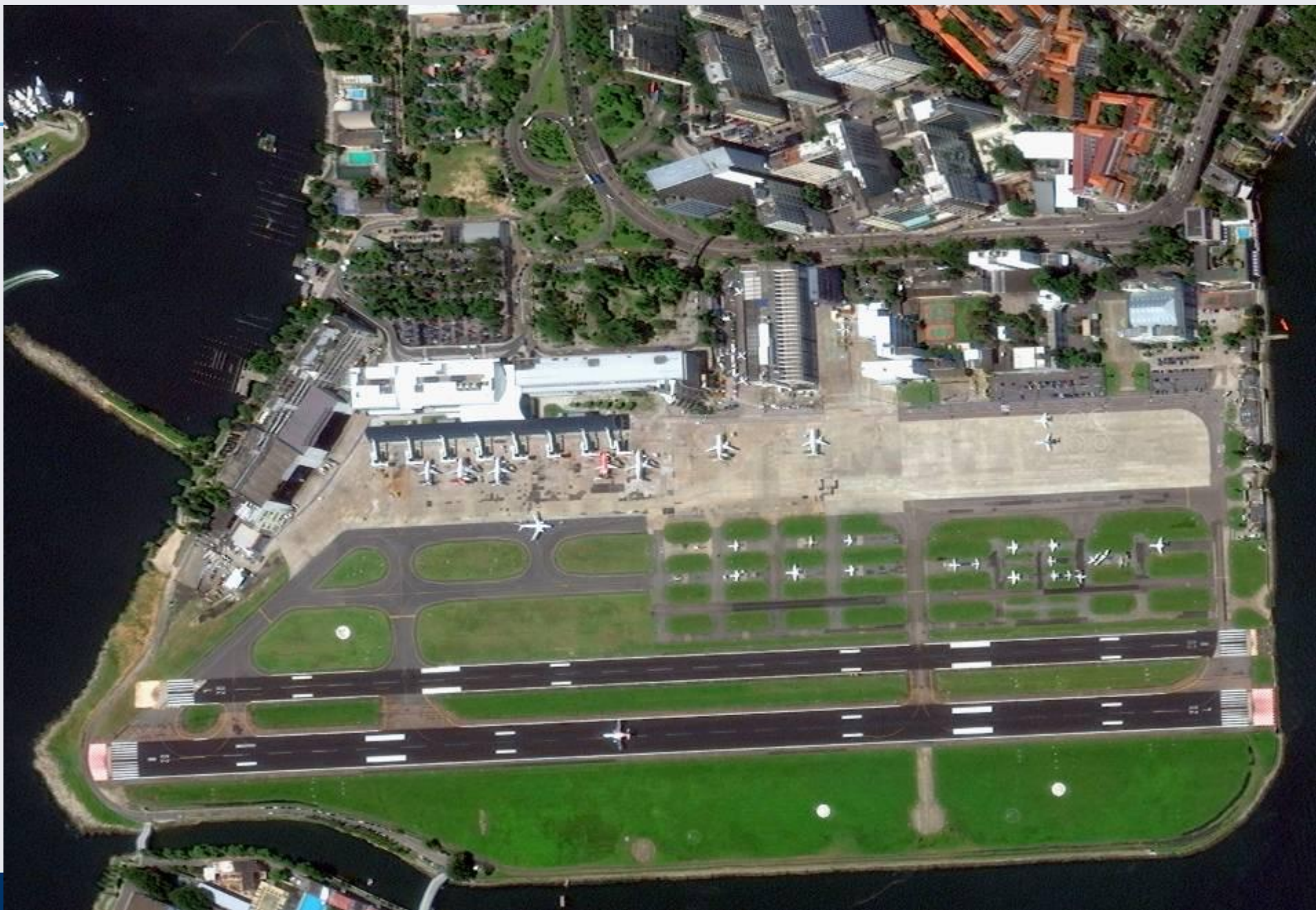
- Minimum of **1M sq. km. of fresh imagery** will be collected, every year

|      | Minimum Target Coverage no clouds over Brazil (km2) |         |         | Total Coverage |
|------|---|---------|---------|----------------|
|      | QB  | WV1     | WV2     |                |
| 2011 | 200,000   | 350,000 | 450,000 | 1,000,000      |
| 2012 | 200,000   | 350,000 | 450,000 | 1,000,000      |
| 2113 | 200,000   | 350,000 | 450,000 | 1,000,000      |





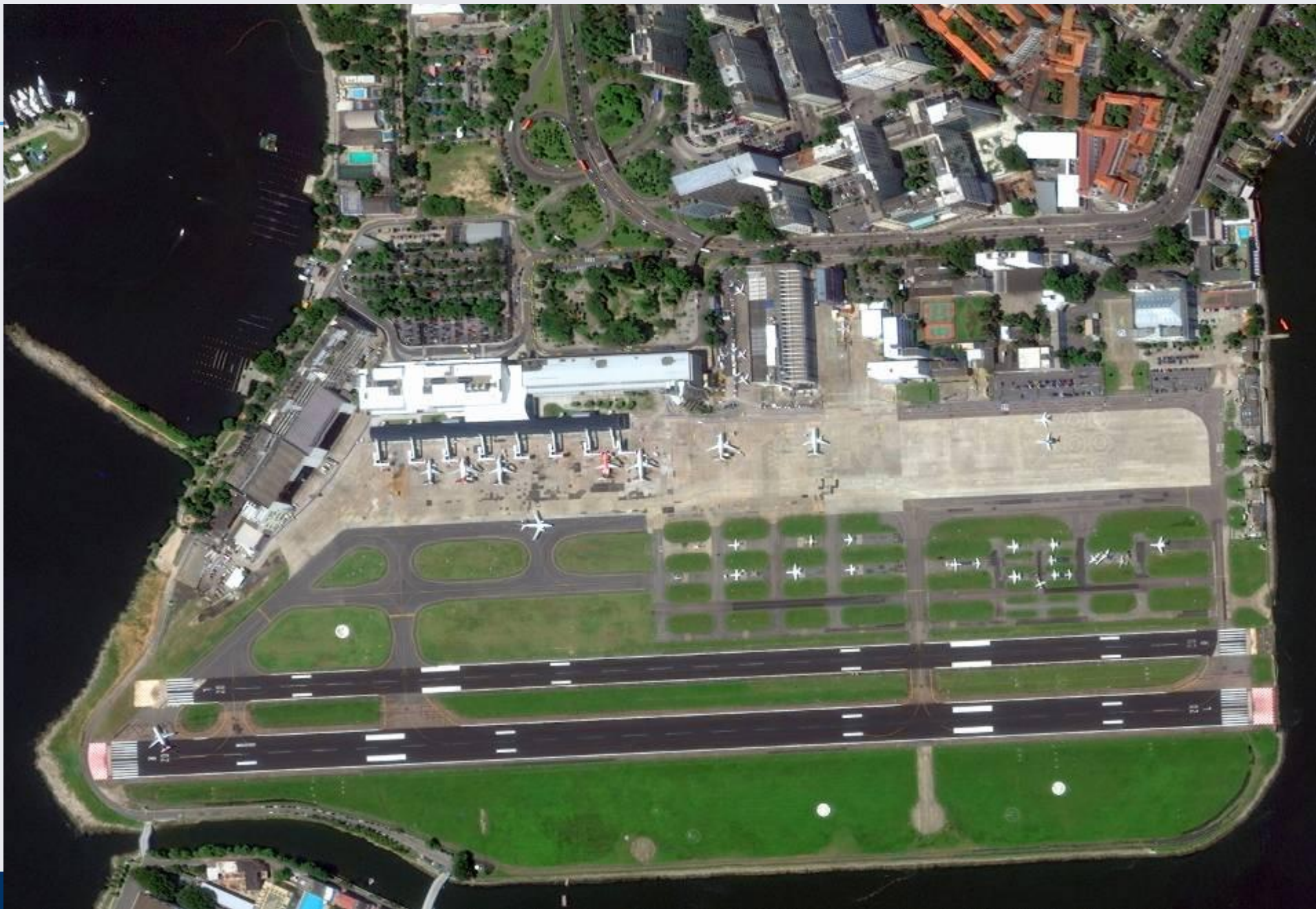




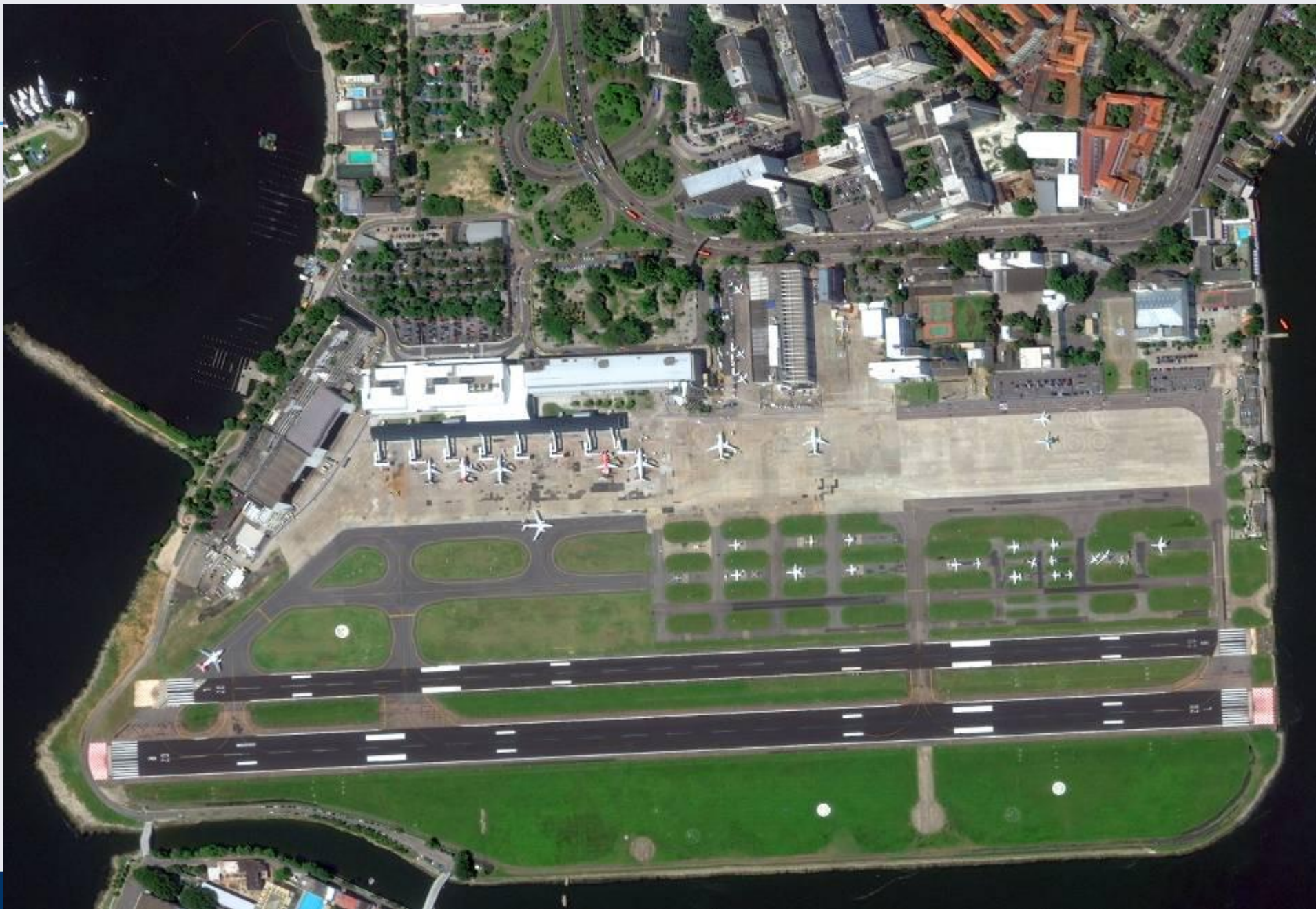




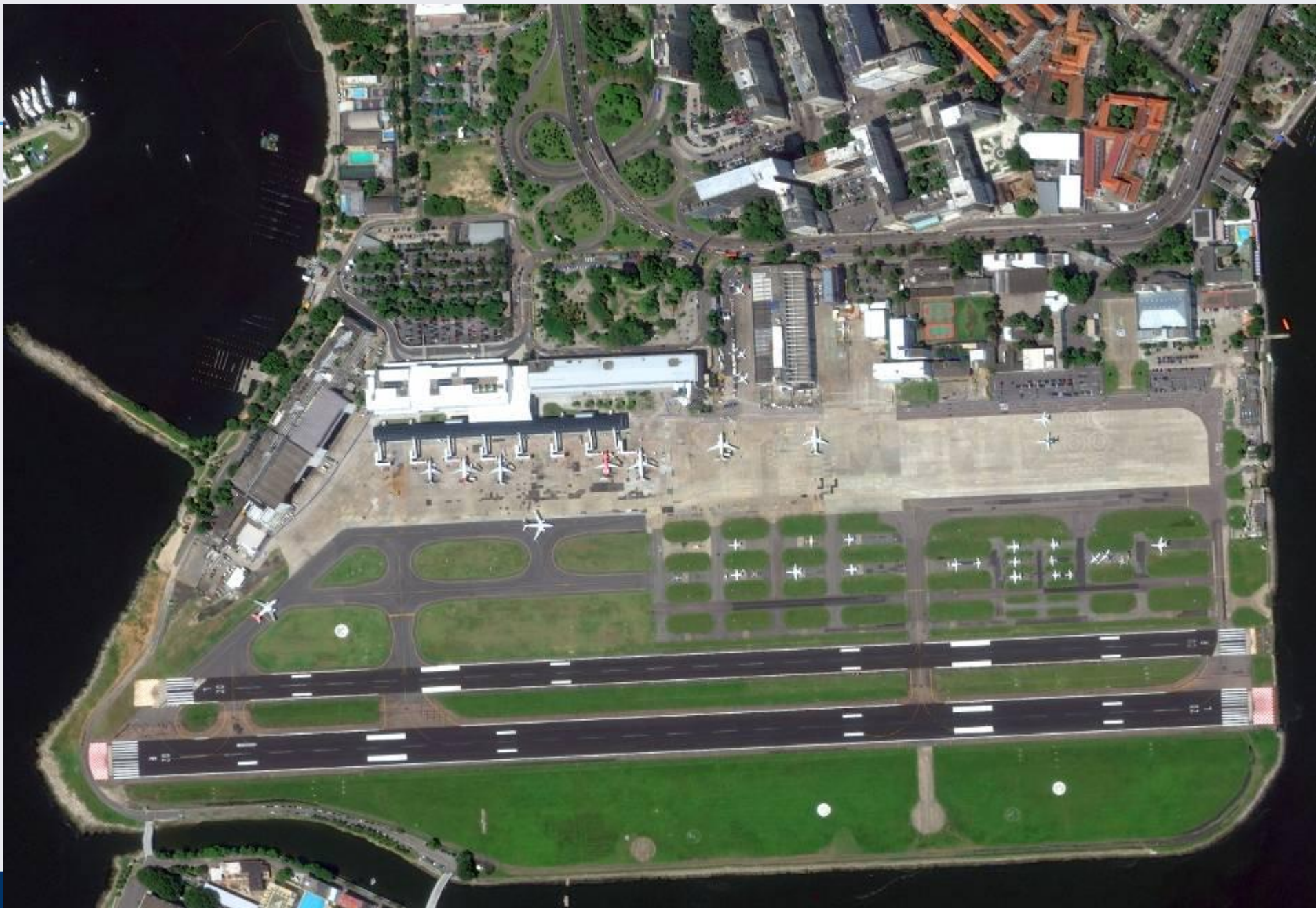


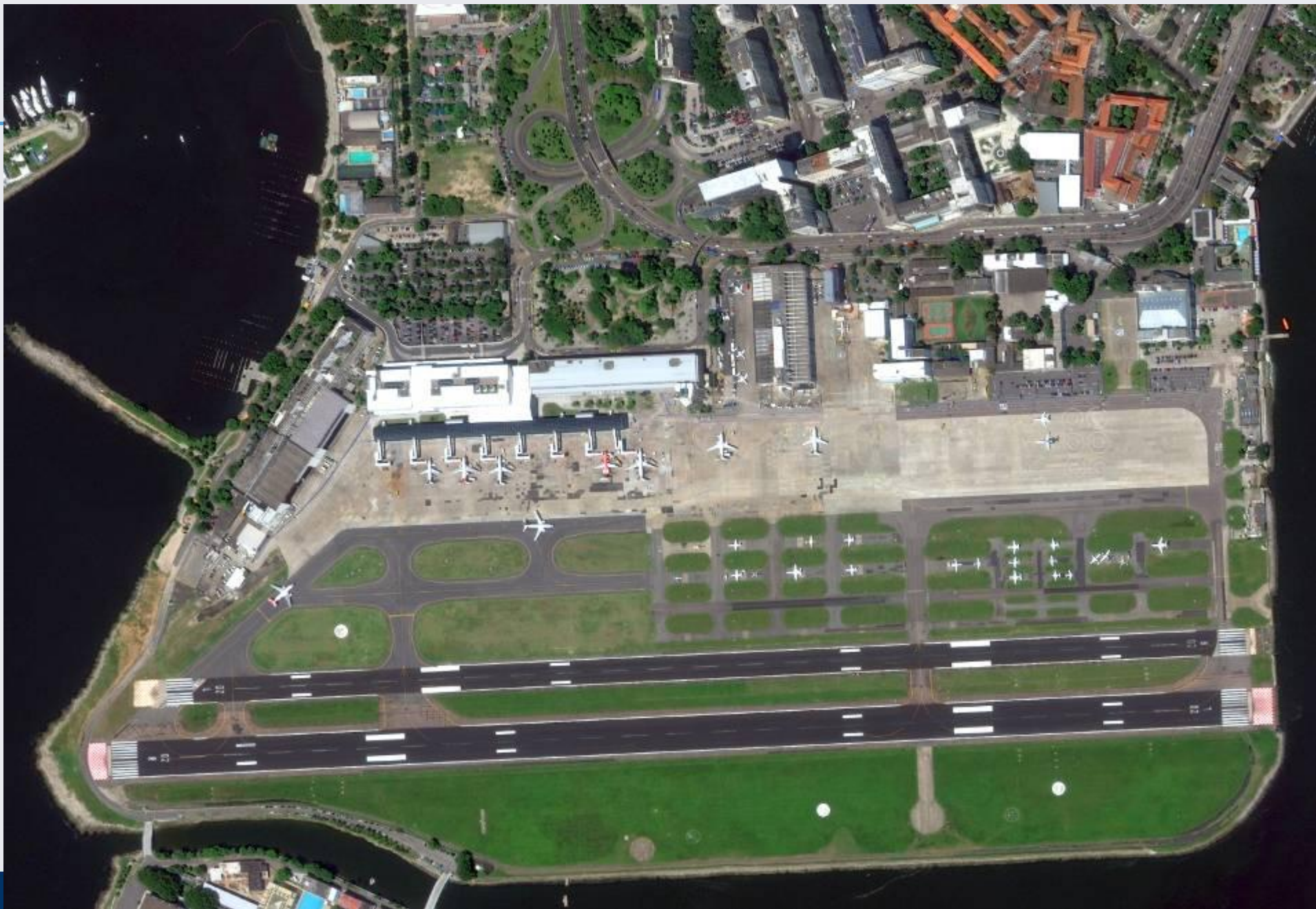


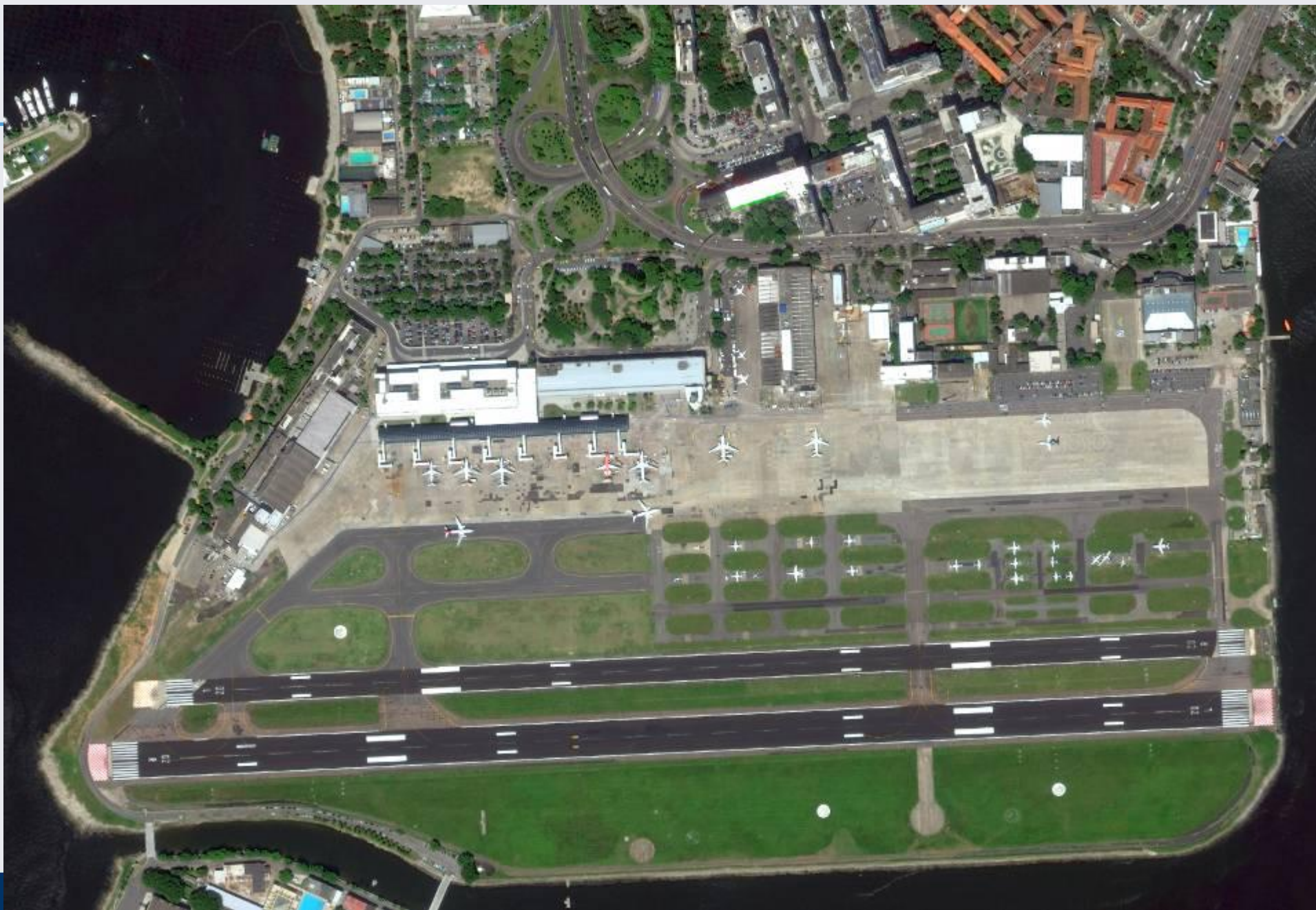


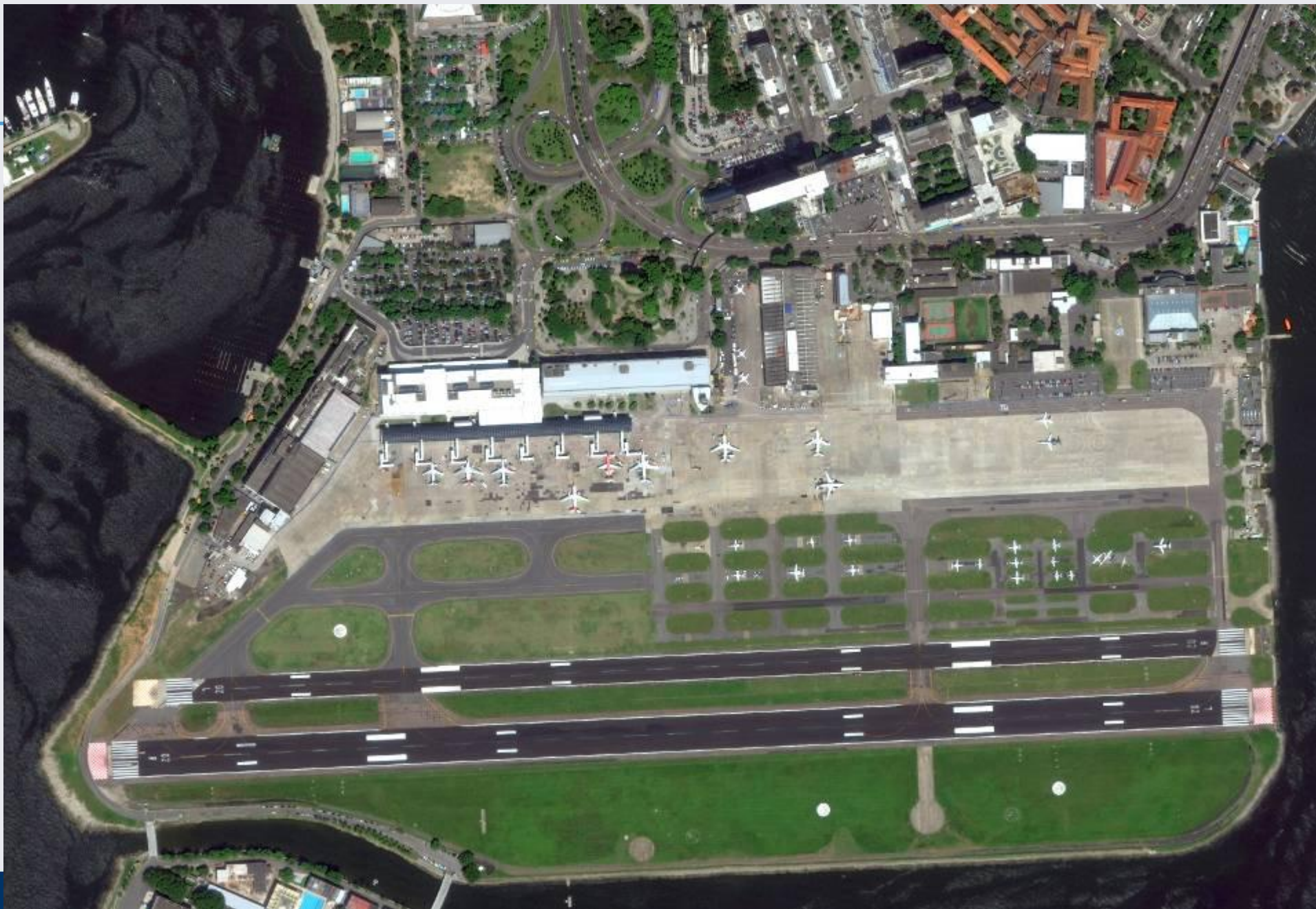


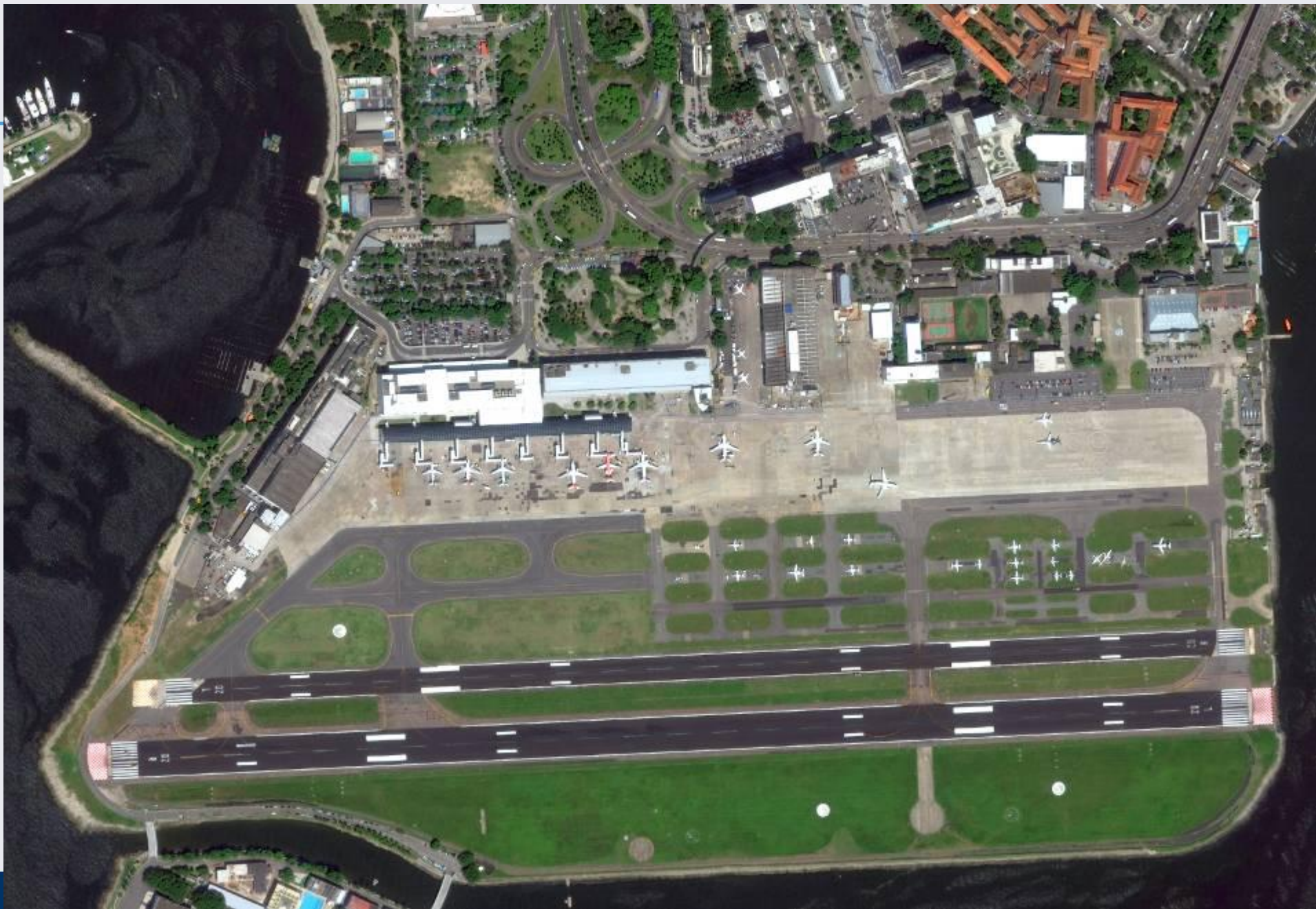


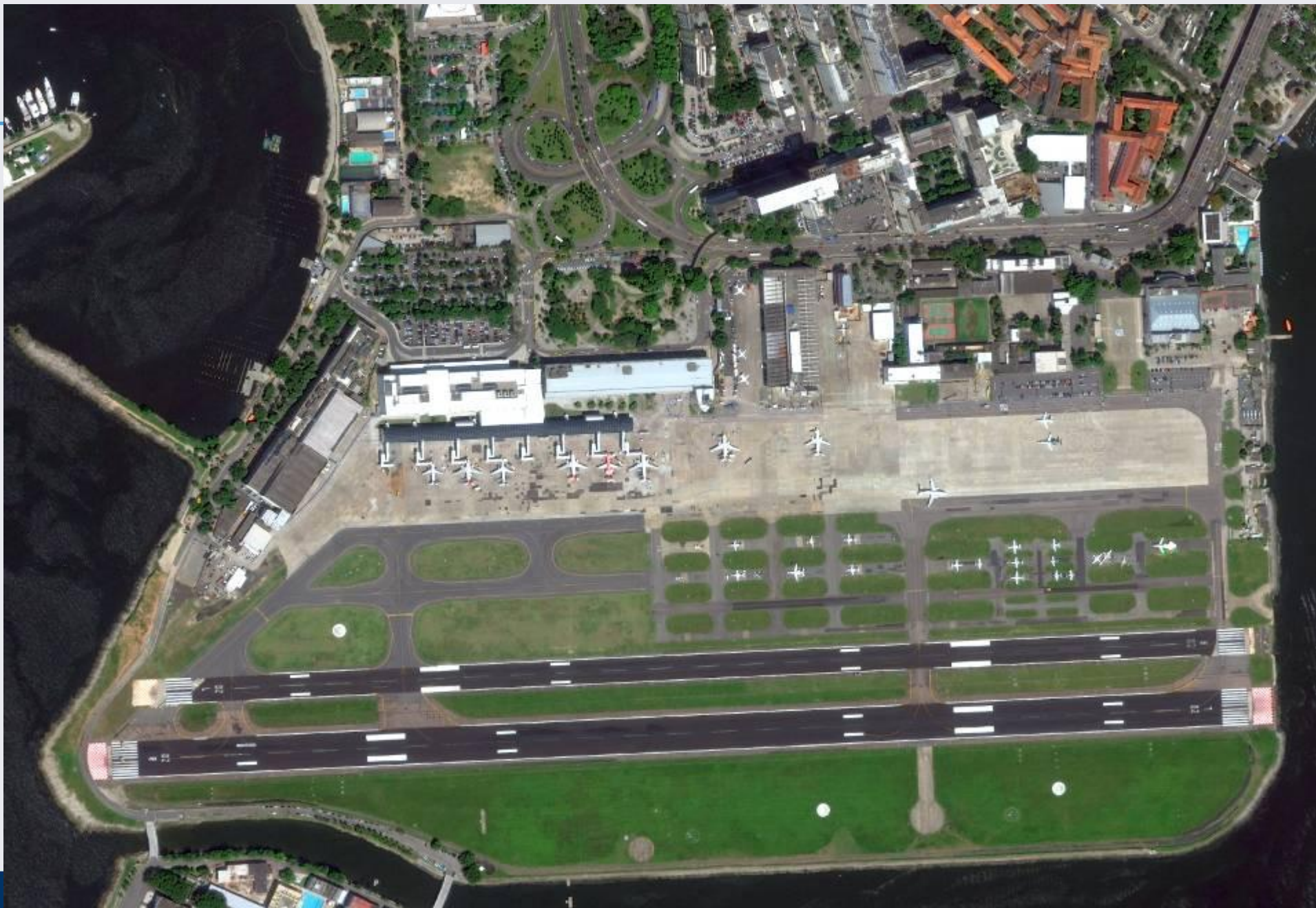


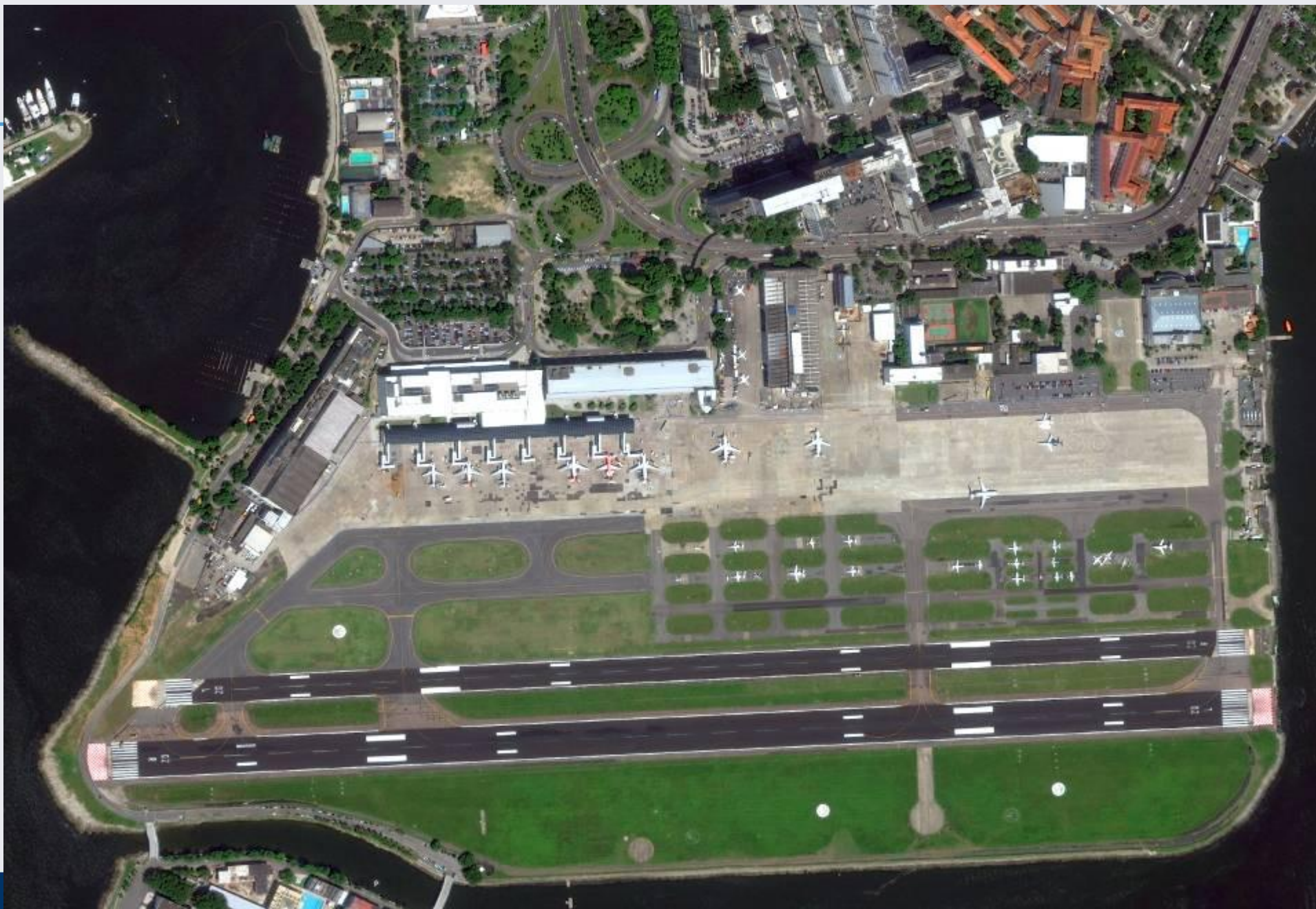


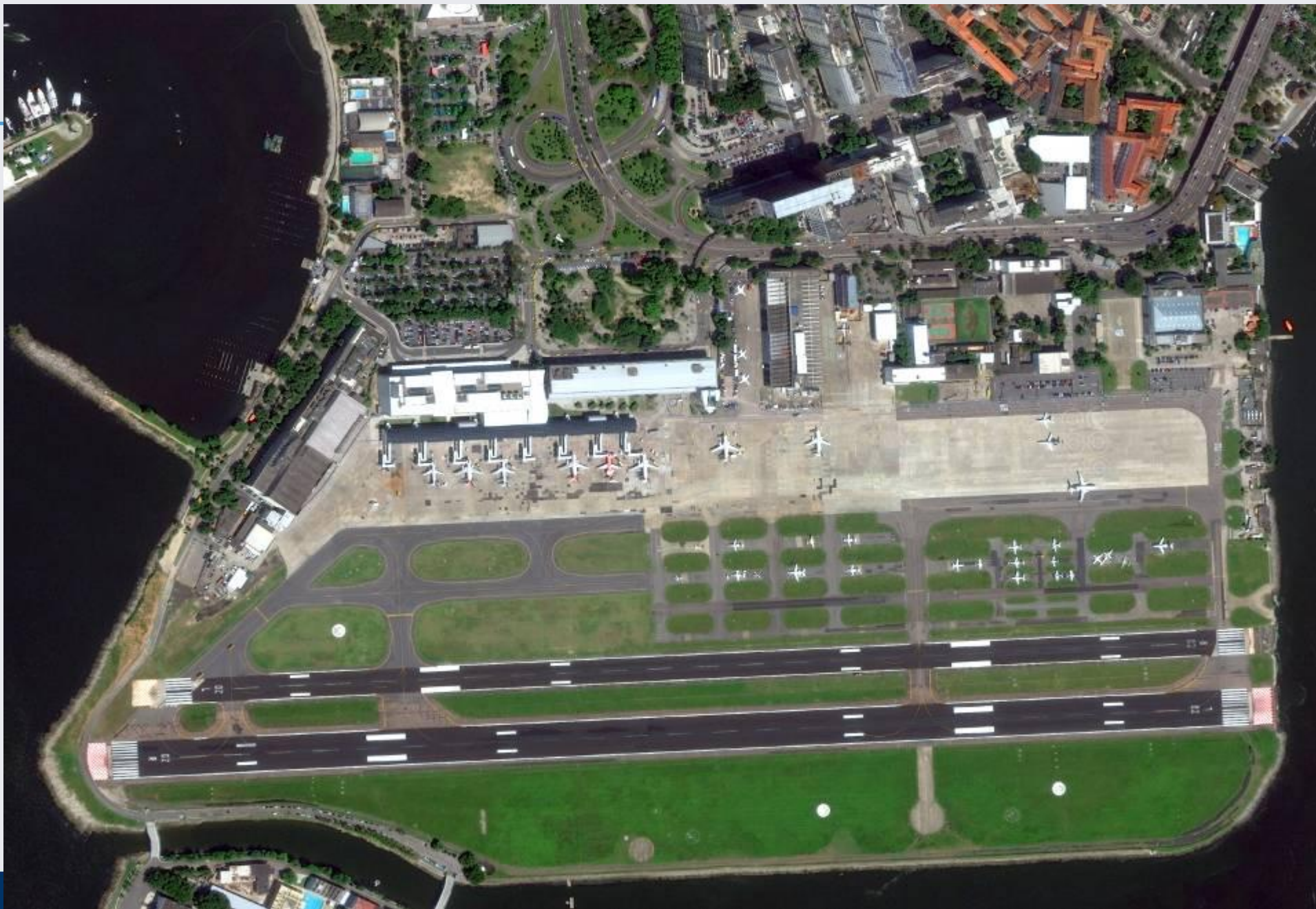


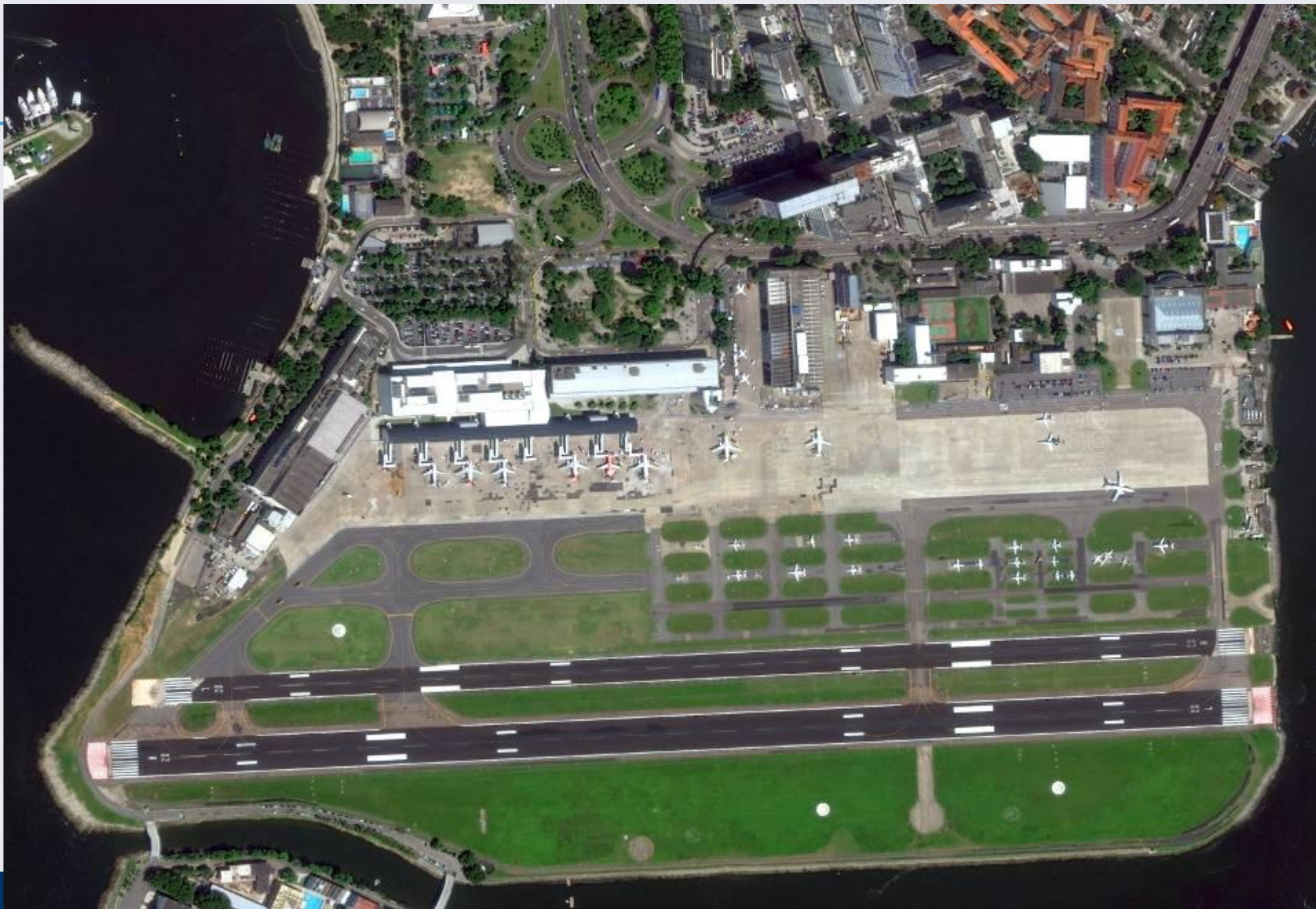


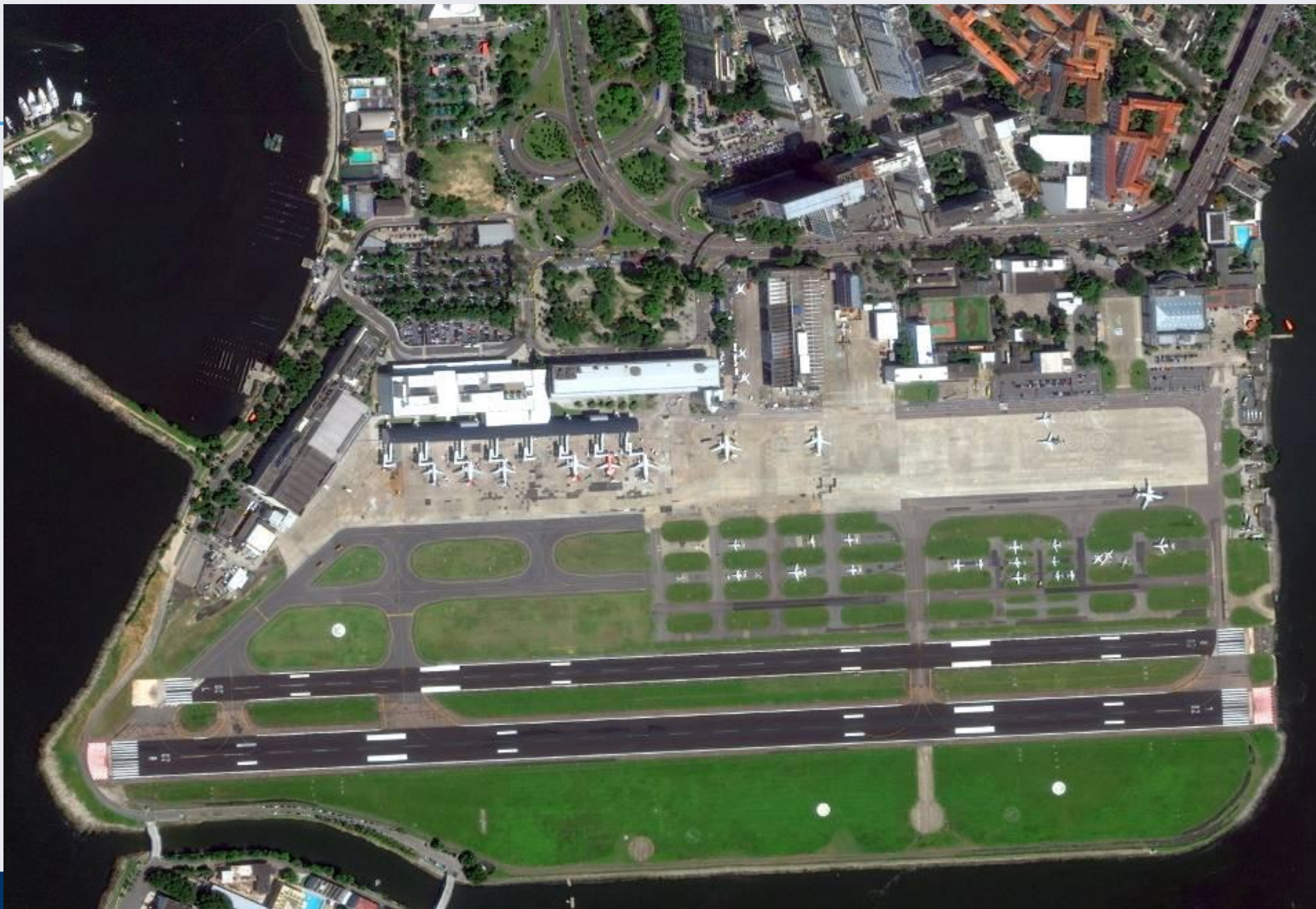


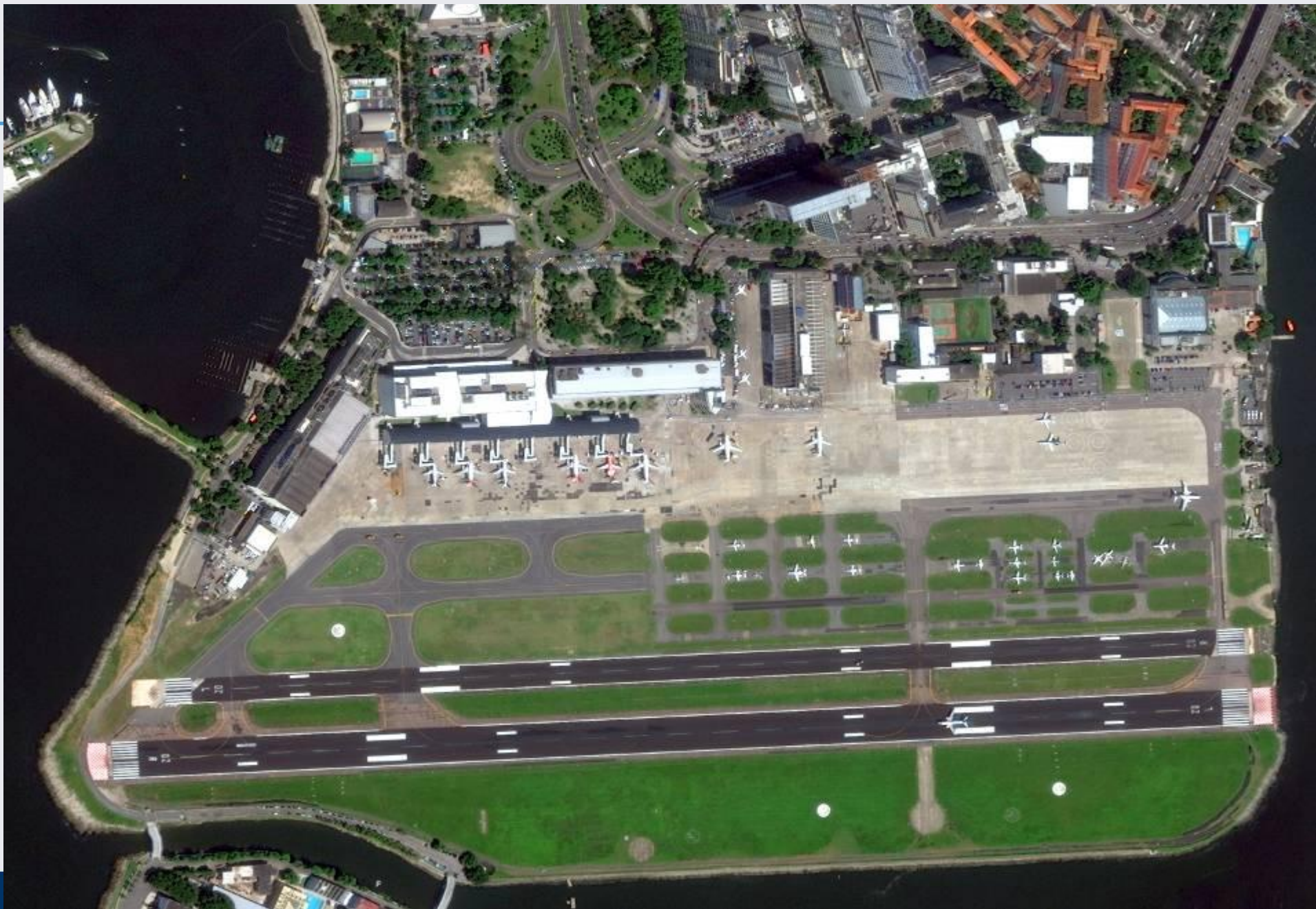


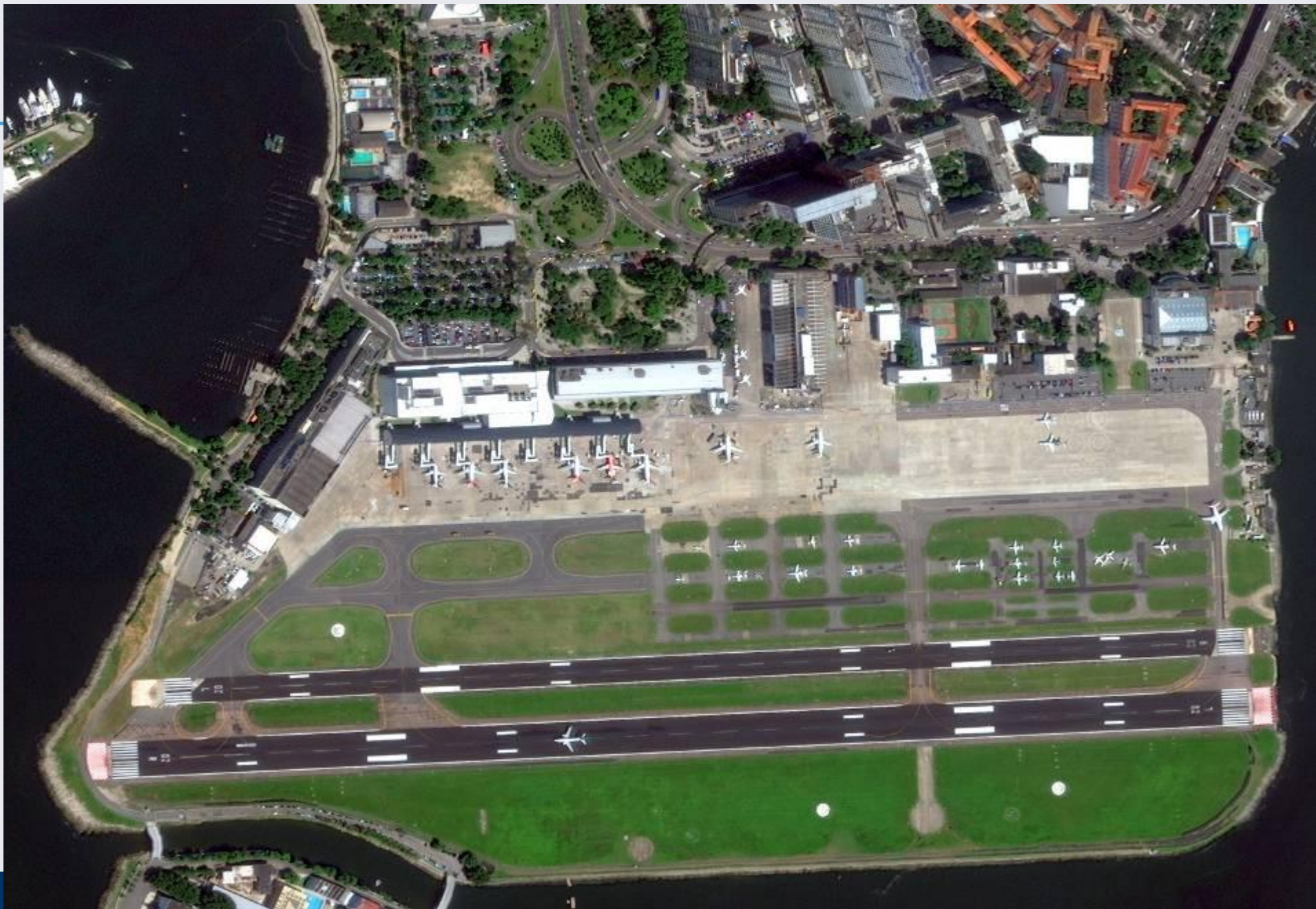


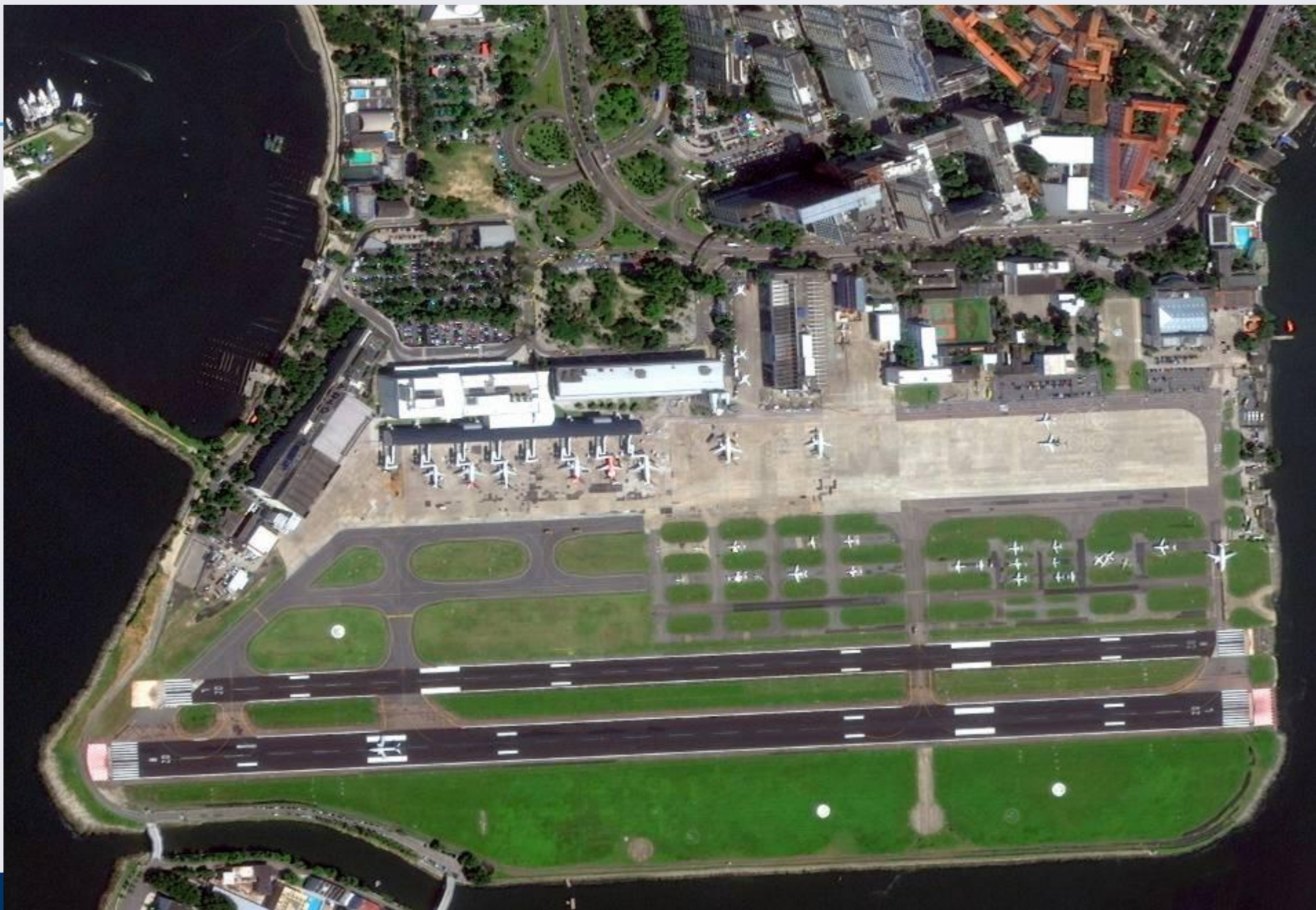


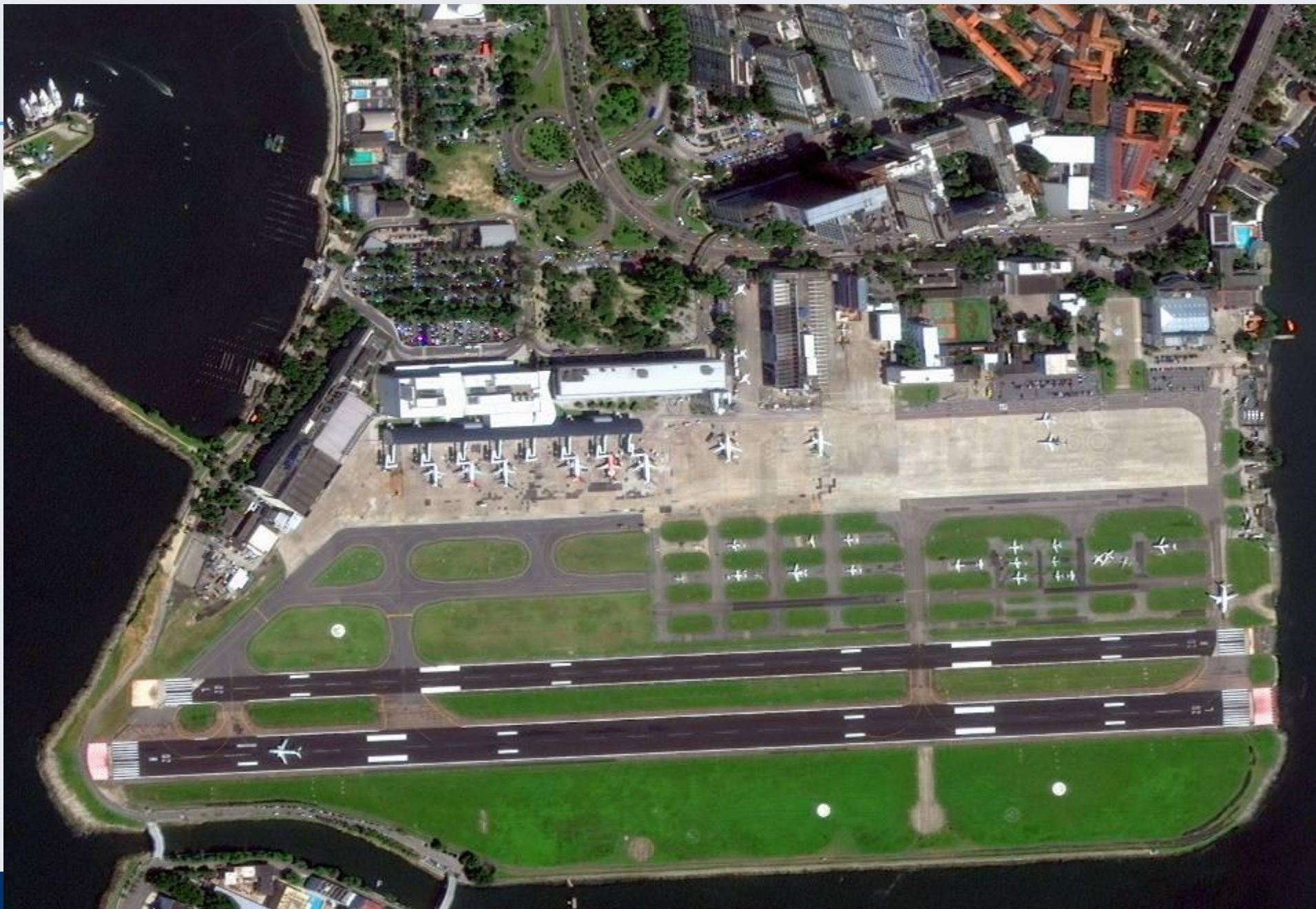




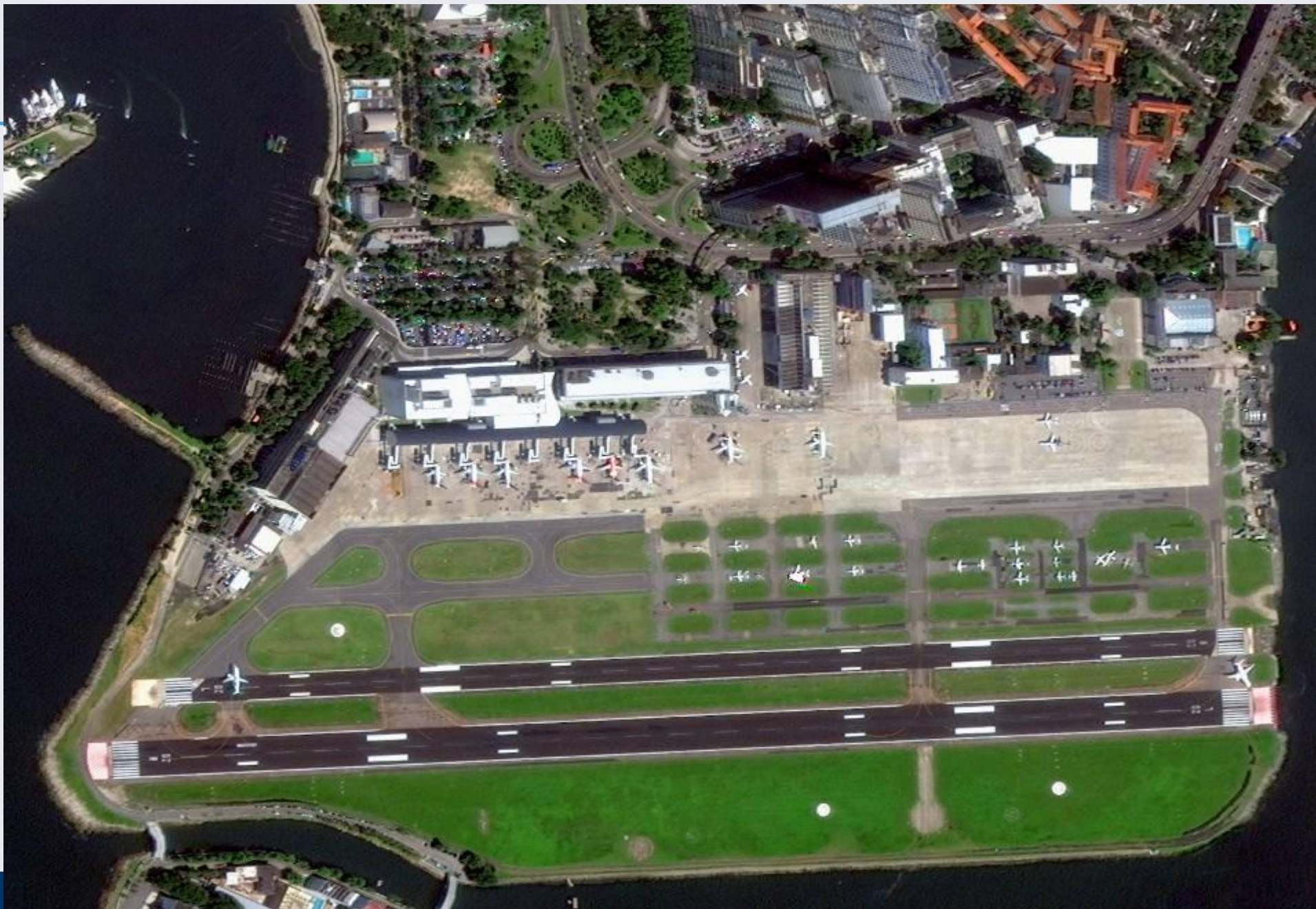




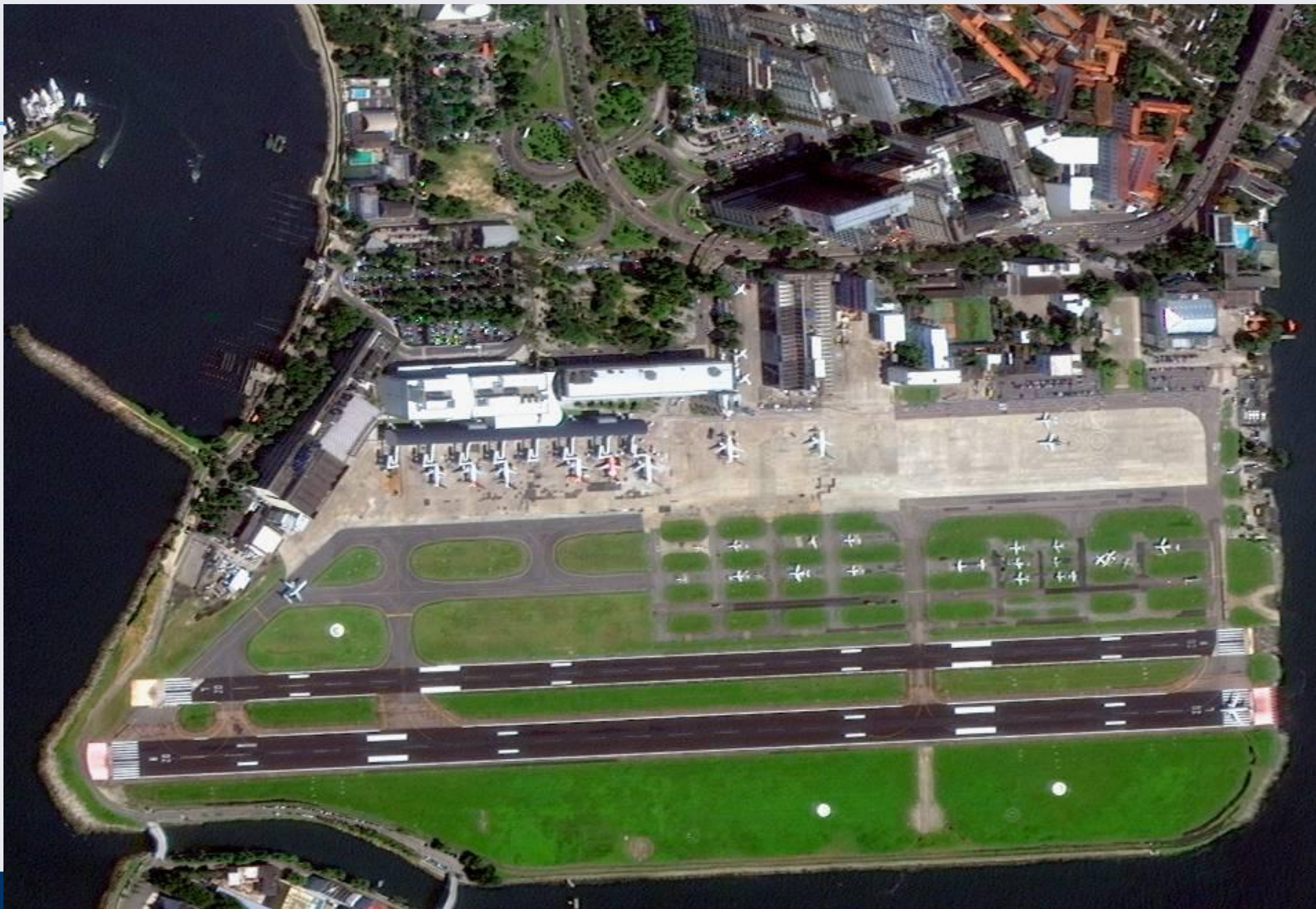


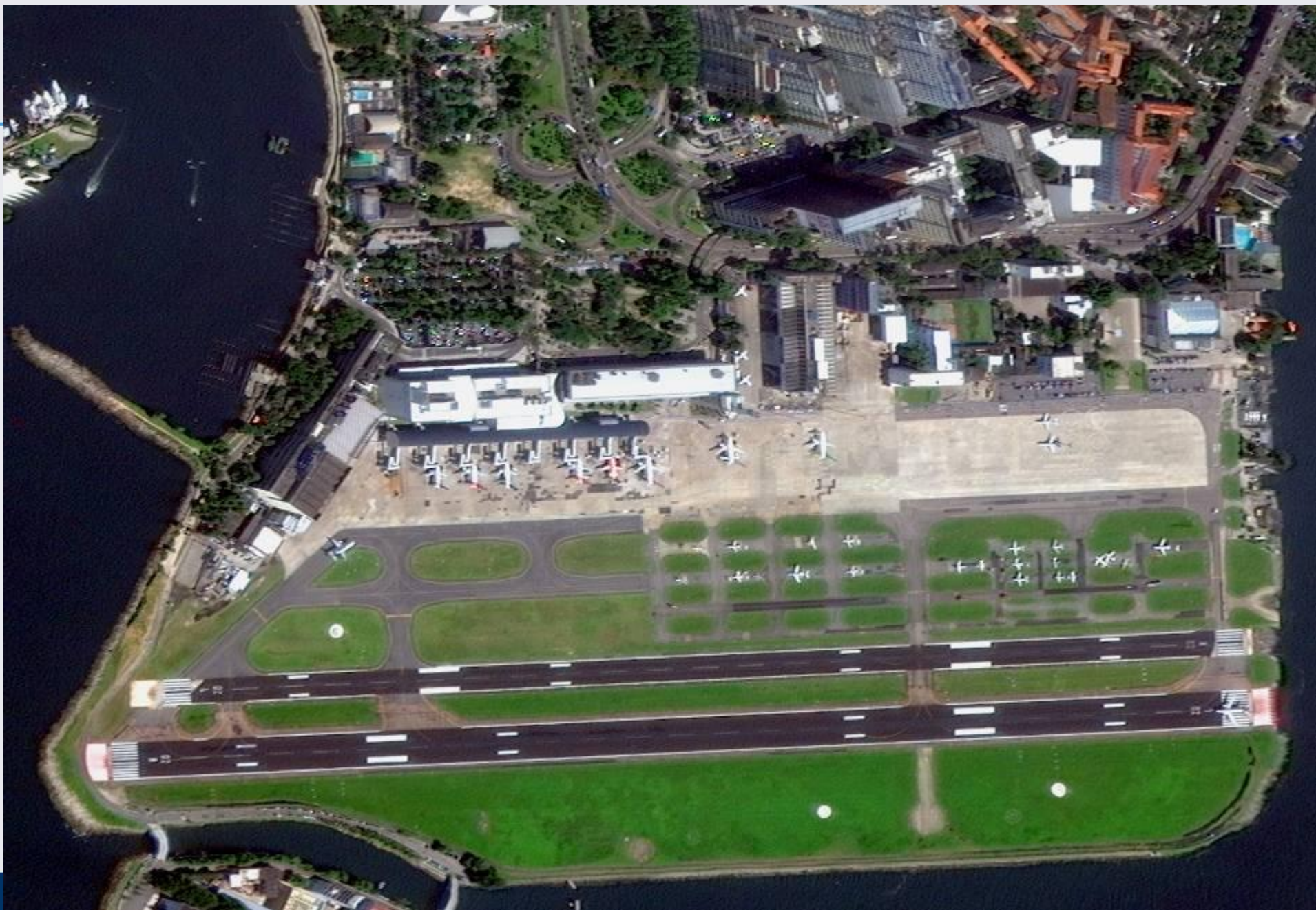












# Assets in the Sky (3,000,000 km<sup>2</sup> per day)

## QuickBird

Launched Oct. 2001

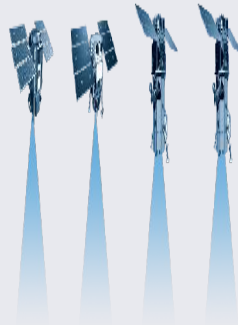
First sub-meter  
commercial imaging  
satellite



## WorldView-1

Launched Sept. 2007

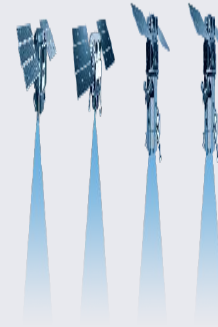
First agile commercial  
imaging satellite, 5X QB  
capacity



## WorldView-2

Launched Oct. 2009

First 8-band commercial  
imaging satellite



## WorldView-3

Expect Ready for Launch  
Late 2014



A high-resolution satellite image of a city, likely Rio de Janeiro, showing a dense urban landscape with numerous buildings, roads, and green spaces. A large, semi-transparent blue rectangular box is overlaid on the upper half of the image, containing white text. The text is in Portuguese and expresses gratitude to the MundoGeo team.

Obrigado a todos

Parabéns a equipe MundoGeo