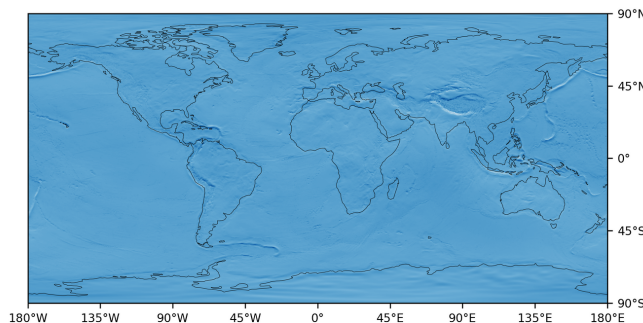
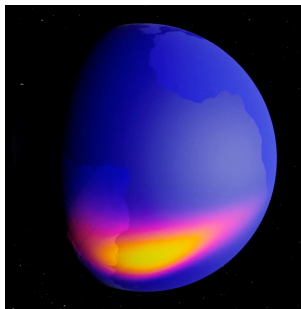


# AMENTUM<sup>®</sup>

## AEROSPACE

## WHAT WE DO

Our web Application Programming Interfaces enable direct access to scientific models and data streams, reducing software integration times from days to minutes. They are used internationally in space operations, aviation, mineral exploration, and research and can be accessed via our website. We also provide bespoke scientific software development services to our clients.



## SPACE RADIATION

Access validated models of trapped radiation (shown above) and cosmic rays in space and in the atmosphere.

### Applications

- Estimate cosmic radiation exposures of airline crews and frequent flyers.
- Optimise the design of spacecraft shielding.

## GRAVITY AND GEOMAGNETISM

Access the Earth Gravitational Model to calculate geoid height and gravity anomaly maps (shown above), and the World Magnetic Model for magnetic declination, anywhere and at any time.

### Applications

- Novel navigation technologies
- Oil and gas exploration
- Large scale water flow projects

## NAVIGATION

Navigation systems combine multiple sensor information (GPS, accelerometer, gyroscope) to calculate position and velocity information.



Accelerometers can accumulate errors due to gravity variations in GPS deprived environments such as tunnels.

Access gravity anomaly maps programmatically using our Gravity API.

## KEY CUSTOMER

Australian Department of Defence

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