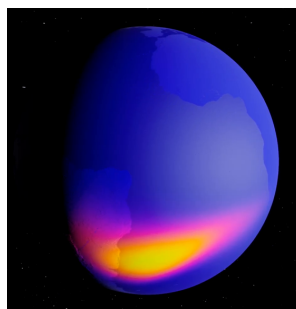
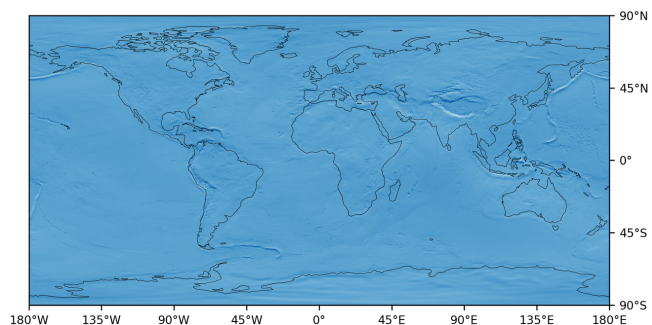


# AMENTUM<sup>®</sup>

## 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.



## 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

## 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.

## AVIATION

The Route Dose API estimates radiation doses between two airports with known ICAO or IATA codes, or coordinates as latitude/longitude pairs, on a particular date.



Monitor aircrew radiation exposure as:

- recommended by the International Commission on Radiation Protection
- legislated by the EU EURATOM directive

Calculate exposures during the rostering process.

## KEY CUSTOMER

Australian Department of Defence

Visit website



team@amentum.space  
<https://amentum.space>  
+61 467 184 974



Nandin B72 ANSTO  
New Illawarra Rd  
Lucas Heights 2234 NSW, Australia