

The background of the slide is a photograph of the Aeolus satellite in orbit. The satellite is a complex structure with a large, flat solar panel on the left side, covered in a network of black lines and small components. The main body of the satellite is cylindrical and covered in gold-colored thermal insulation. It is positioned against the blackness of space, with the blue and white horizon of the Earth visible in the lower-left corner.

Validation of Aeolus Level 2 products by comparison with global NWP and airborne flight data

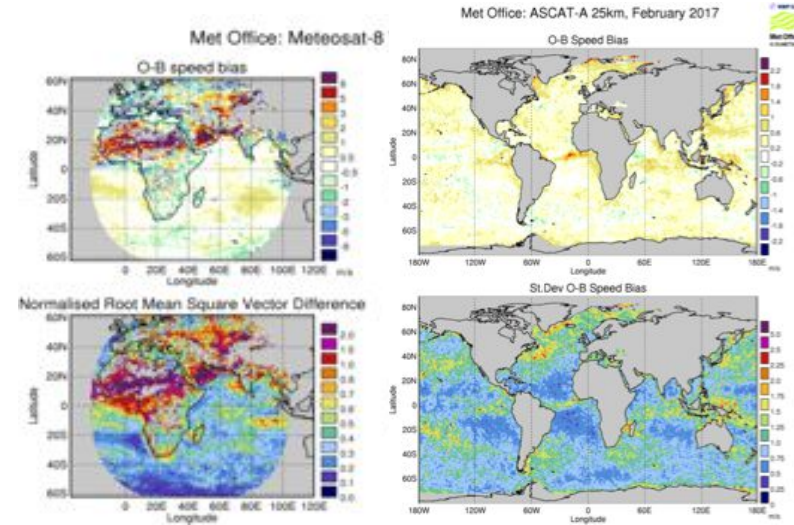
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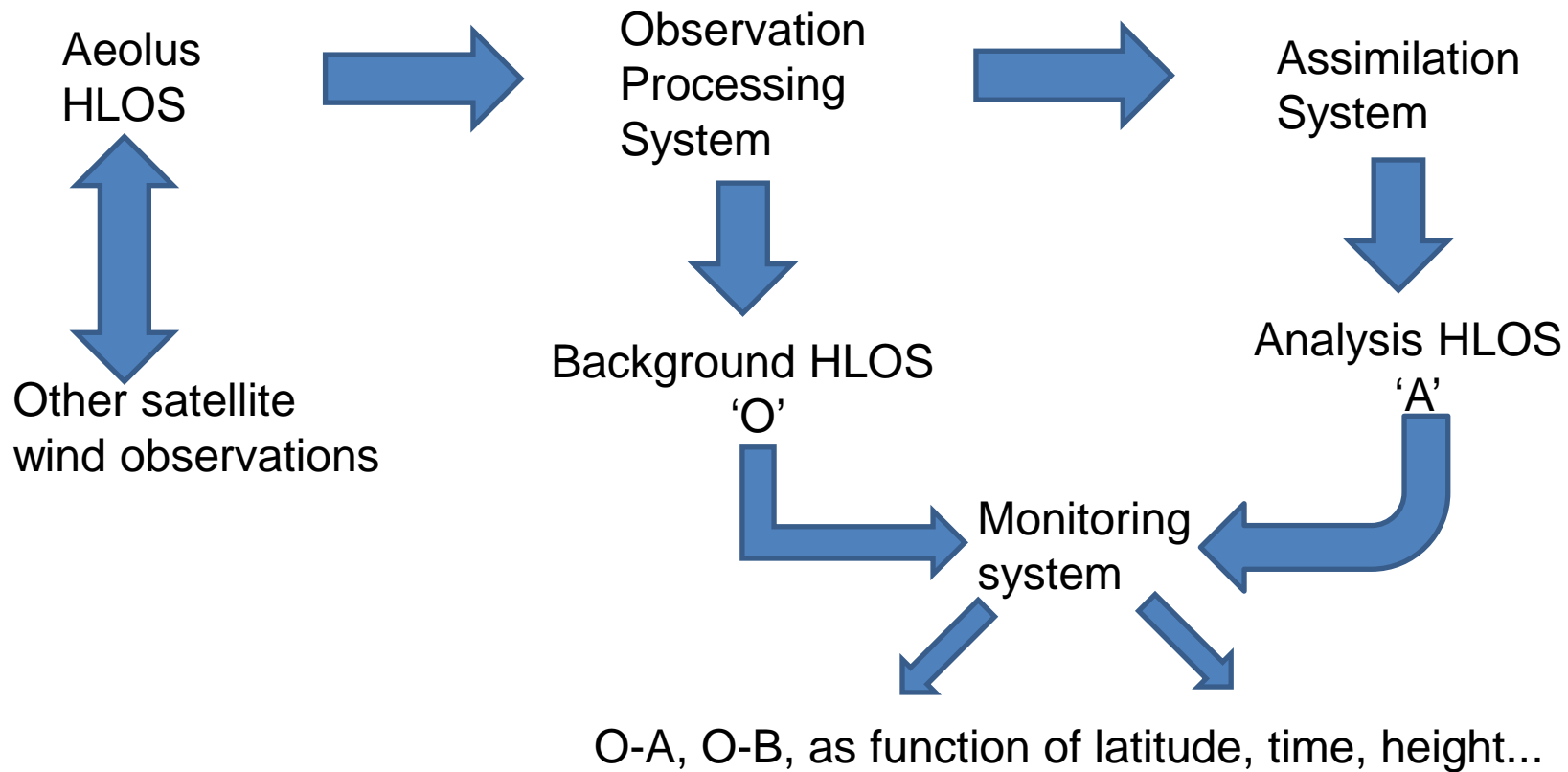
Proposal objectives

Compare Aeolus HLOS winds to:

- Existing satellite wind observations
- Global numerical weather prediction model
- Aircraft campaign wind observations



Description of CAL/VAL techniques applied



Contribution to Aeolus CAL/VAL requirements

- Airborne validation
- Satellite-based observations
- NWP monitoring

Status of manpower, tools and funding

- All NWP and satellite observation inter-comparison will be internally funded
- Aircraft validation is limited by:
 - Fire safety operating times at local airport
 - Funding of proposed aircraft campaigns

Next steps

- Write observation processing code and assimilation code to process Aeolus and background HLOS
- Adapt existing monitoring tools to process and plot Aeolus HLOS winds
- Monitor funding opportunities for airborne campaigns

- [Link to poster presentation](#)