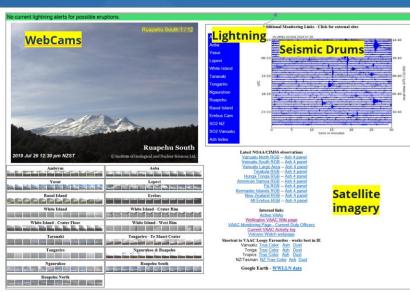


## **Aviation Services Review Setting the scene**

- 1) Introduction (Rob Harrison GM Customers)
- 2) Review and optimisation of our aviation forecasting services (Marcel Roux Manager Aviation Weather Services)
- 3) SWIM and Wider implications (Kevin Alder Manager Meteorological Data Services & Peter Lowe Business Development Manager Aviation )
- 4) Changing the charging model (Ray Thorpe GM Sales NZ)
- 5) Roadmap



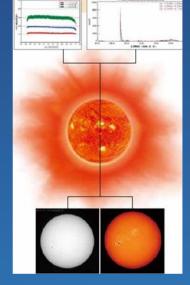






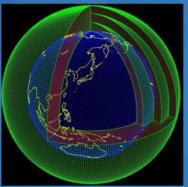
## Weather intelligence for Collaborative Decision Making

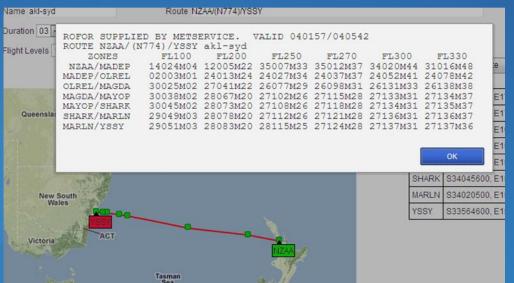












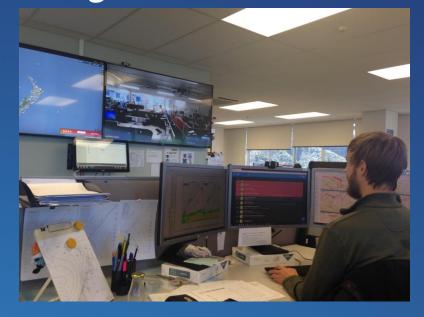
What we observe is not nature herself, but nature exposed to our method of questioning. Werner Heisenberg, theoretical physicist

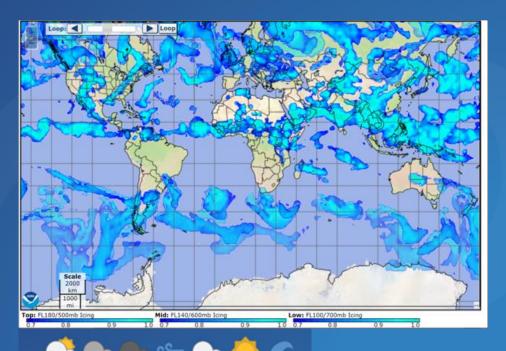


## 2) Review and optimisation of our aviation forecasting services

### **Marcel Roux: Manager Aviation Services**

- Data centric environment, introduction of smart automation.
- SIGWX charts Gridded Data Approach.
- DOM TAF Review
- WLG VAAC capabilities review quantitative volcanic ash
- T + 30 TAF implementation for NZAA, NZWN, NZCH and NZOH
- Connection into wider ATM system Consultancy approach







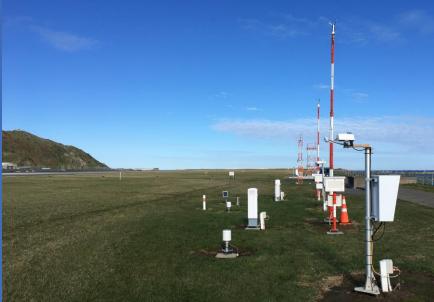


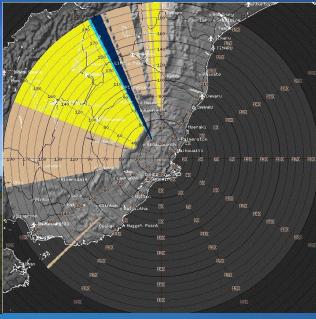
# 3) SWIM and Wider implications Part 1 Kevin Alder: Manager Meteorological Data Services

#### **SWIM** and Wider implications

- NZ Observing System Developments Weather Radar / Amdar / AUTO METAR
- Assisting in the Pacific Observing Network Support and Enhancement
- Future utilising ADS-B Data











## 3) SWIM and Wider implications Part 2 Peter Lowe: Aviation Business Development Manager

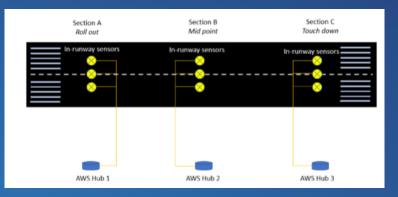
#### **SWIM** and Wider implications

- API feeds for customers and or linked 3rd Party Suppliers.
- Runway monitoring and reporting (TALPA).
- MetOps Display Met CDM across AAA (Threat matrices + LDS + Radar + Harbour Dials + TALPA).
- Better Utilisation of Met (Obs/ forecasts/ modelling) to improve aircraft separation.











NZWN 04121607 16 2/5/5 100/100/100 04/02/02 STANDING WATER/WET/WET



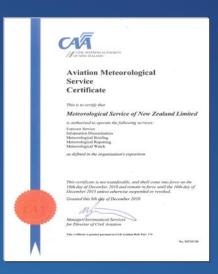
# 4) Changing the charging model Ray Thorpe: GM Sales NZ

### Changing the charging model

- Current charging Model & Rules are not sustainable in a proposed SWIM environment.
- Overflights a test bed for change utilising proven airways system and mimicking already implemented & widely used overseas practices.
- Future charging model options to be explored with industry to suit NZ Rules Environment.









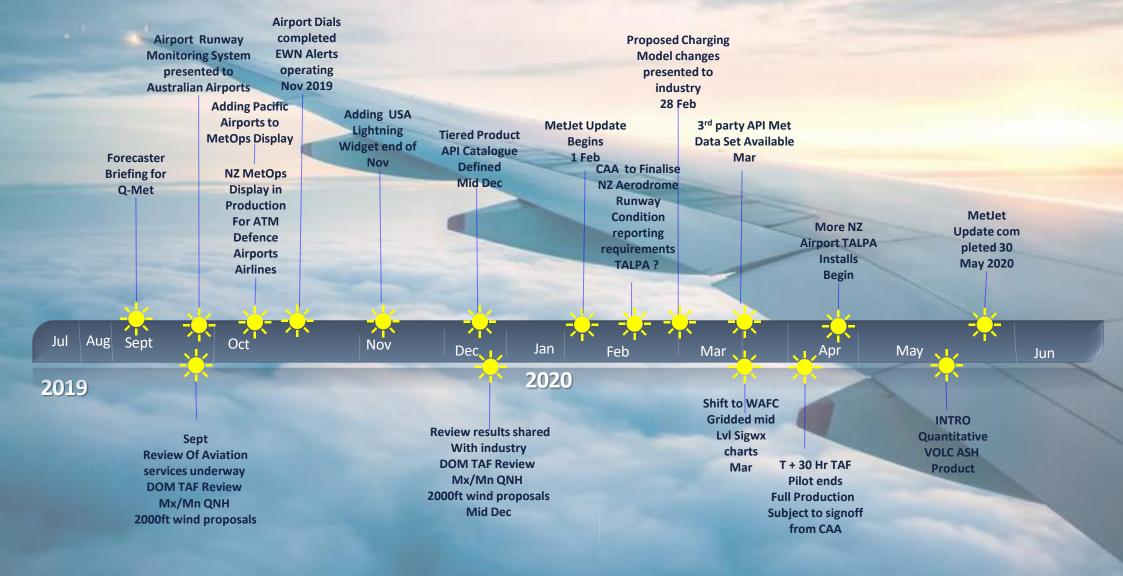








### 5) MetService RoadMap - Activities and Milestones 2019/2020







Thank you 🛑