



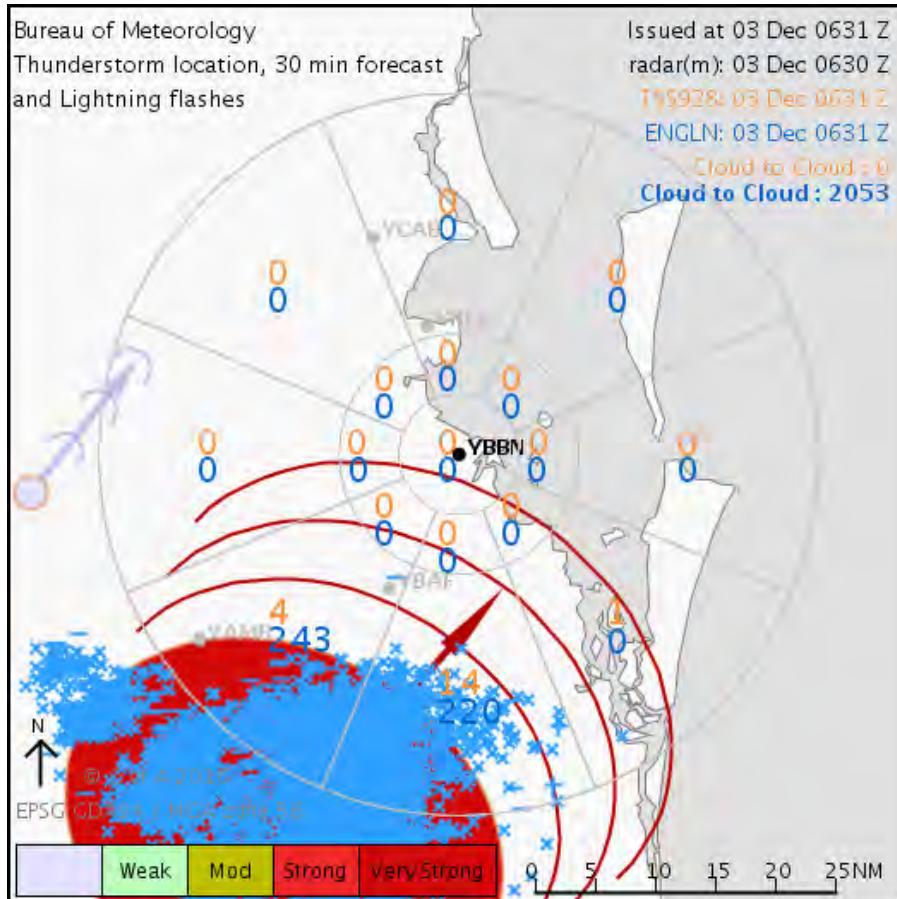
Australian Thunderstorm Alerting Capability



Australian Government
Bureau of Meteorology



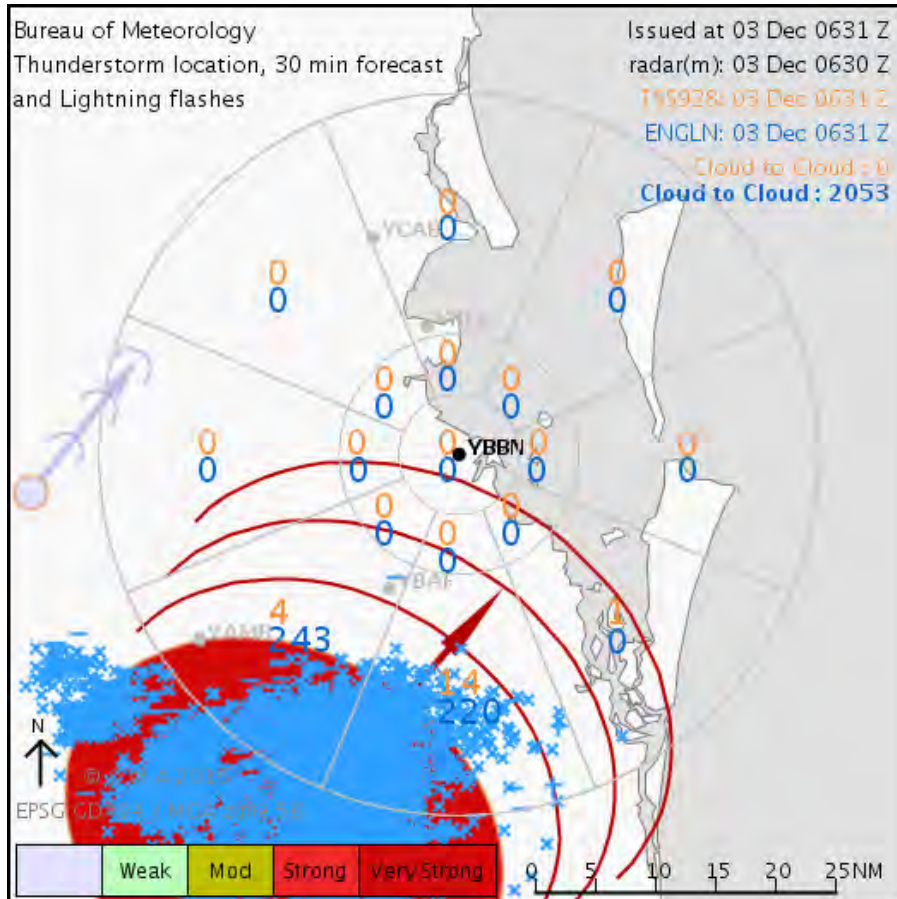
Automated Thunderstorm Alert Service (ATSAS)



- An automated, graphical thunderstorm display and tracking product.
- Based on lightning data, weather radar and TITAN storm tracking application.



Purpose of ATSAS



- An alerting system to manage ground operations at airports and minimise the risk of injuries to ground staff due to lightning strikes.



ATSAS – Current capability

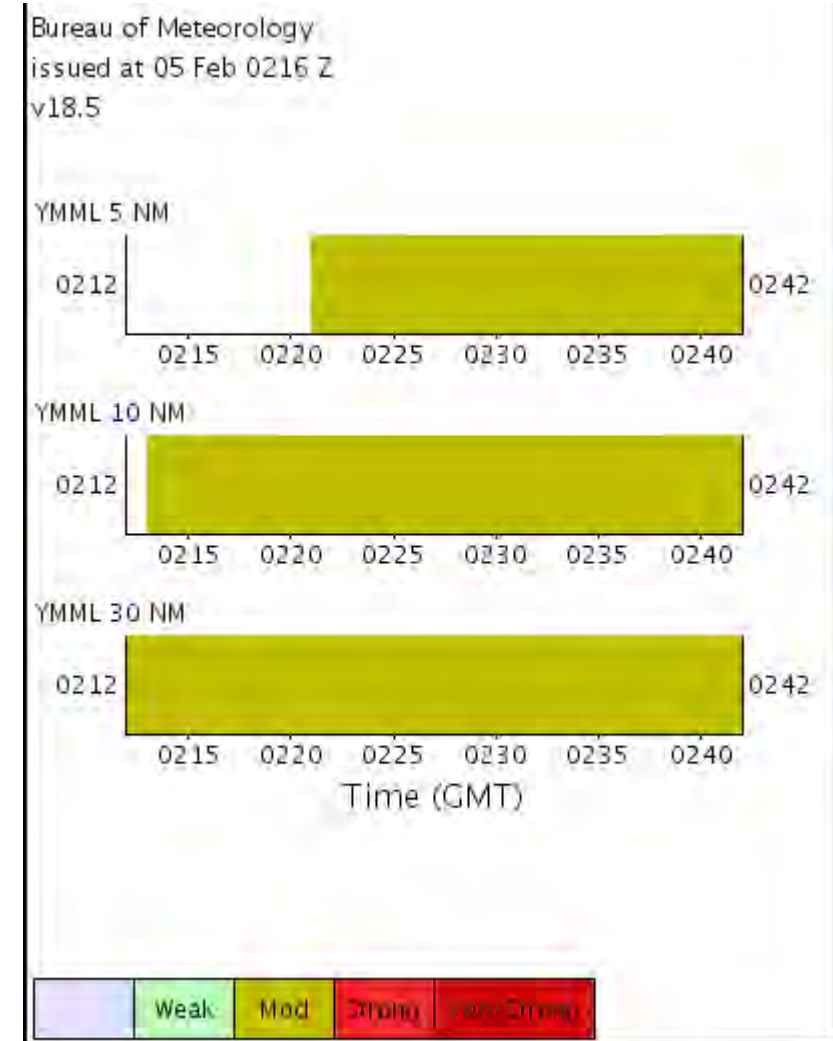
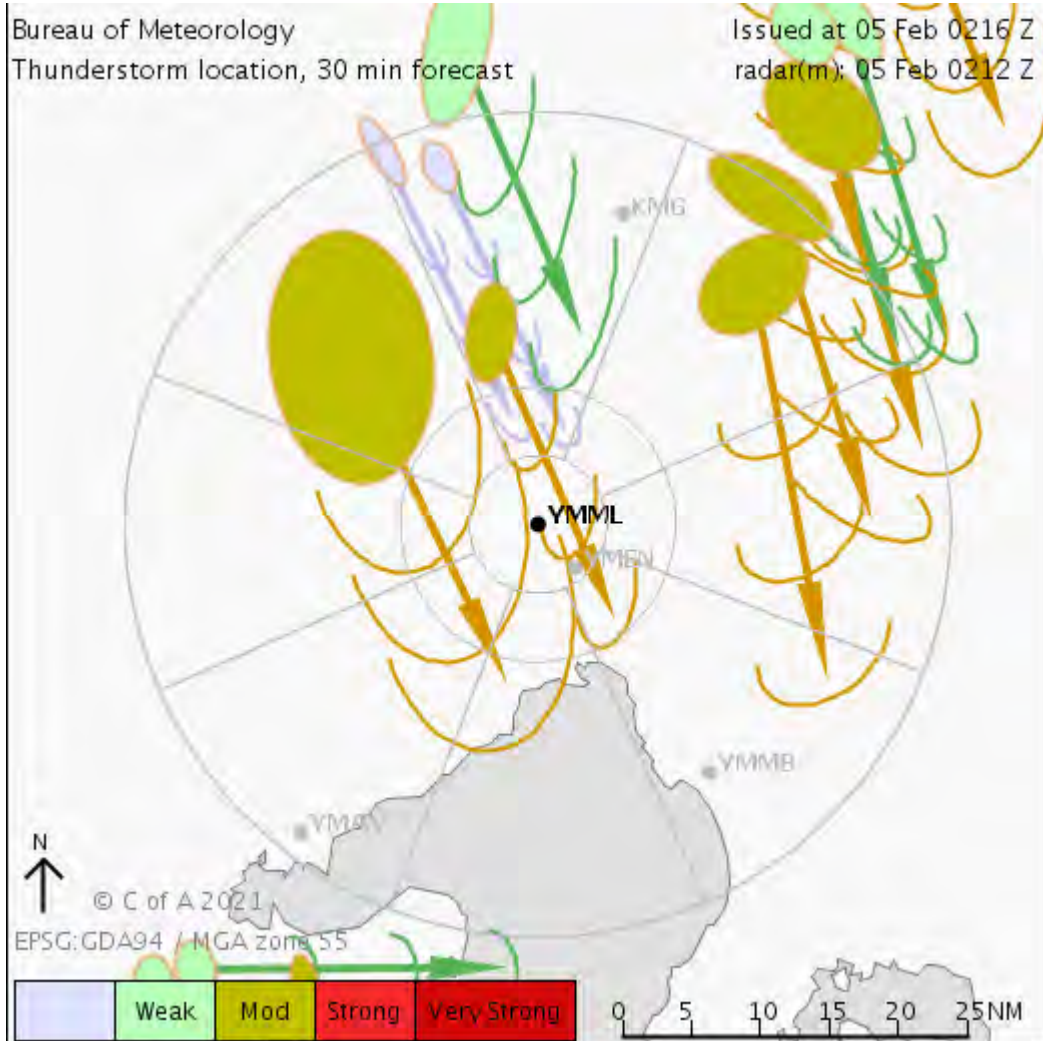
- TITAN
- Lightning - WZTLN
- AvTIFS
- ATSAS Interface
- Alerting – Email/SMS

ATSAS offers considerable features to users including:

- A display of current and predicted thunderstorm location.
- A display of lightning location.
- Utilisation of automated systems.
- An initial text product advising users of the presence of thunderstorms.

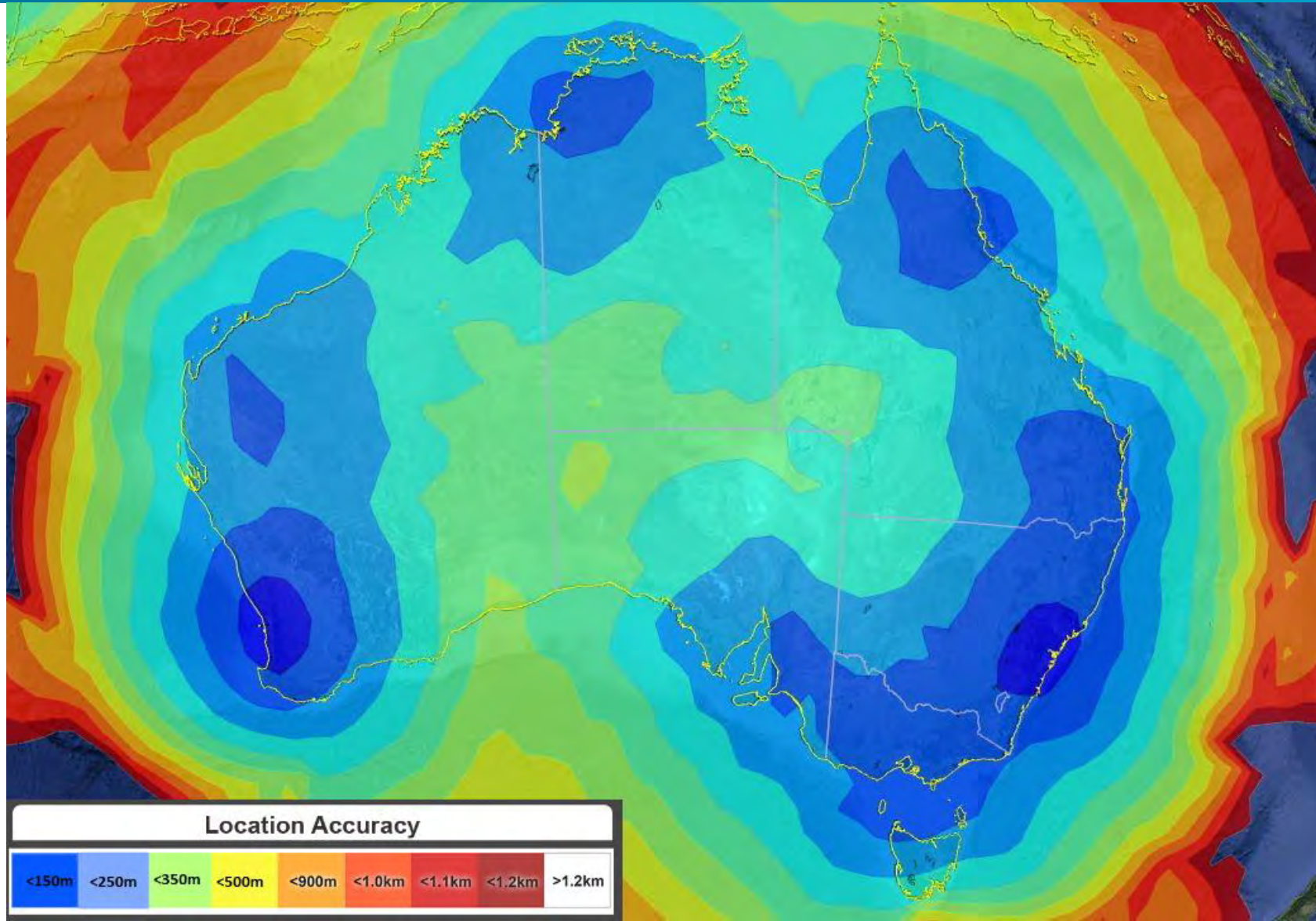


TITAN Storm tracks



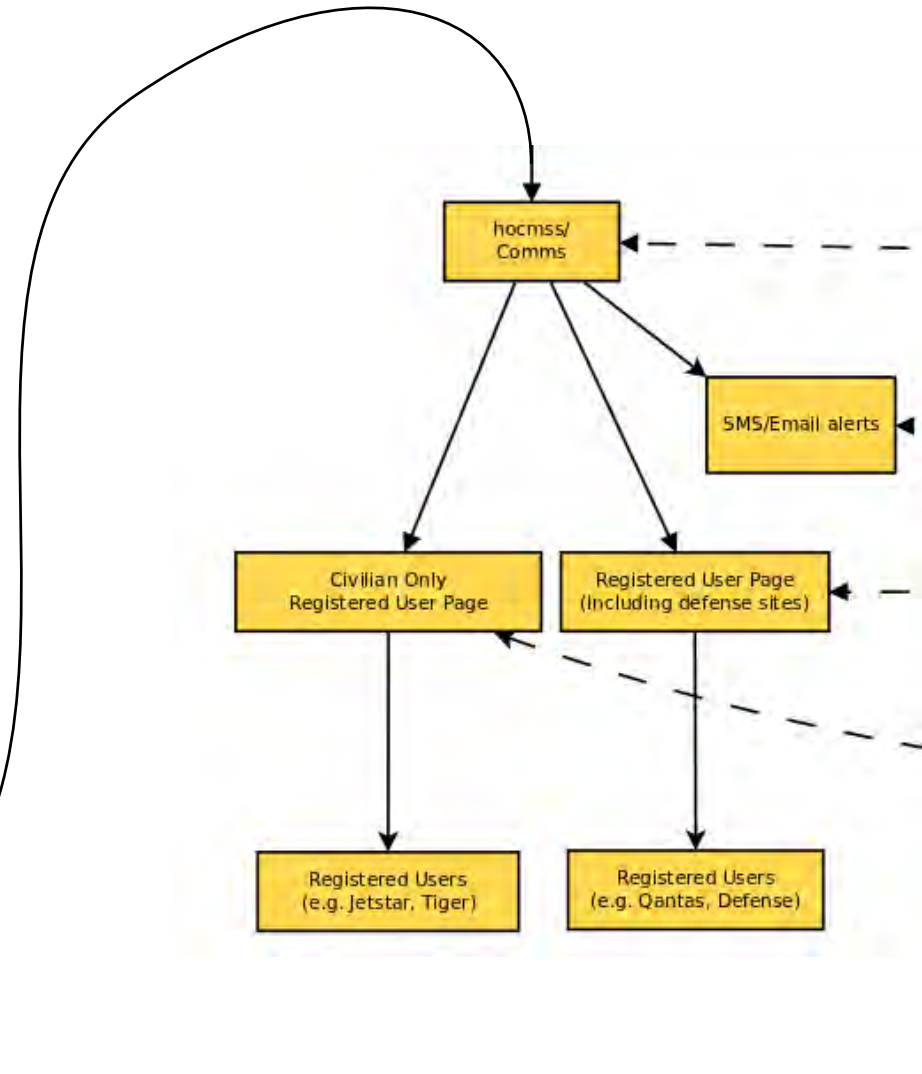
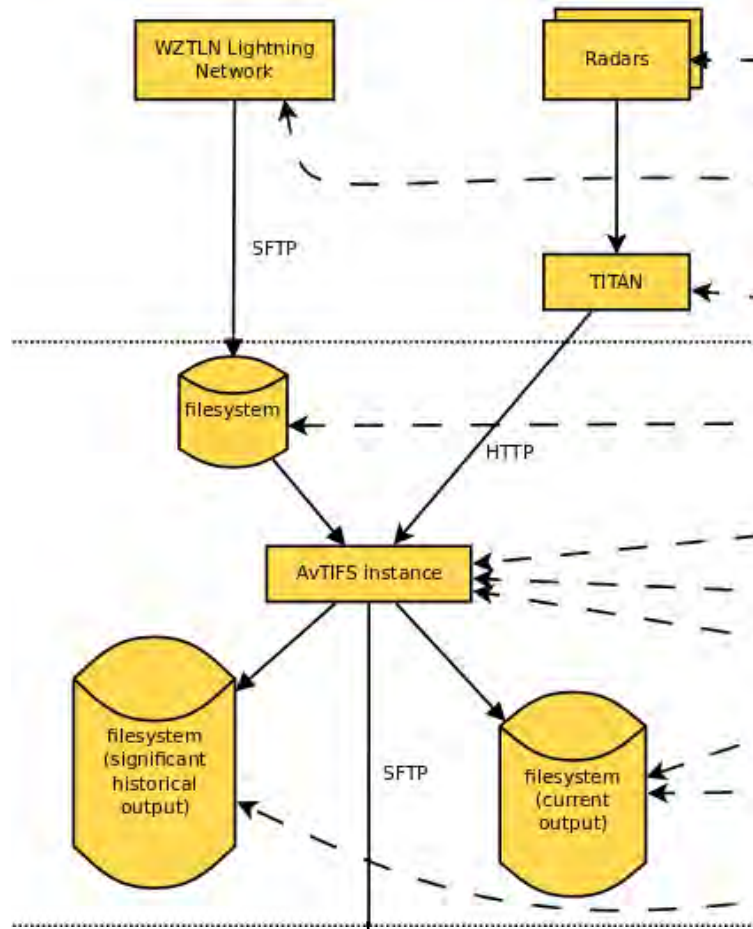


WZTLN Data



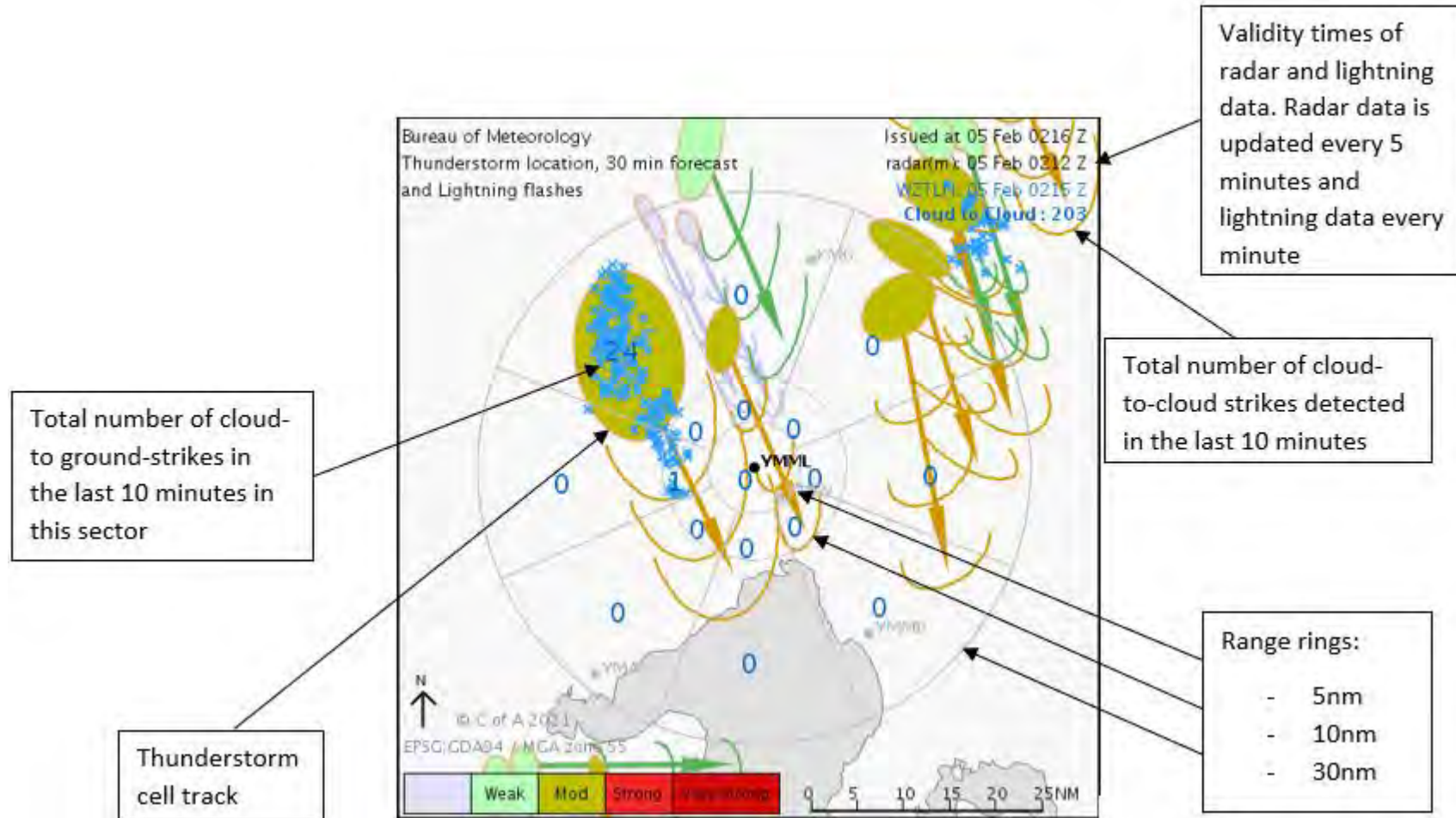


AvTIFS





ATSAS – Storm tracks and lightning



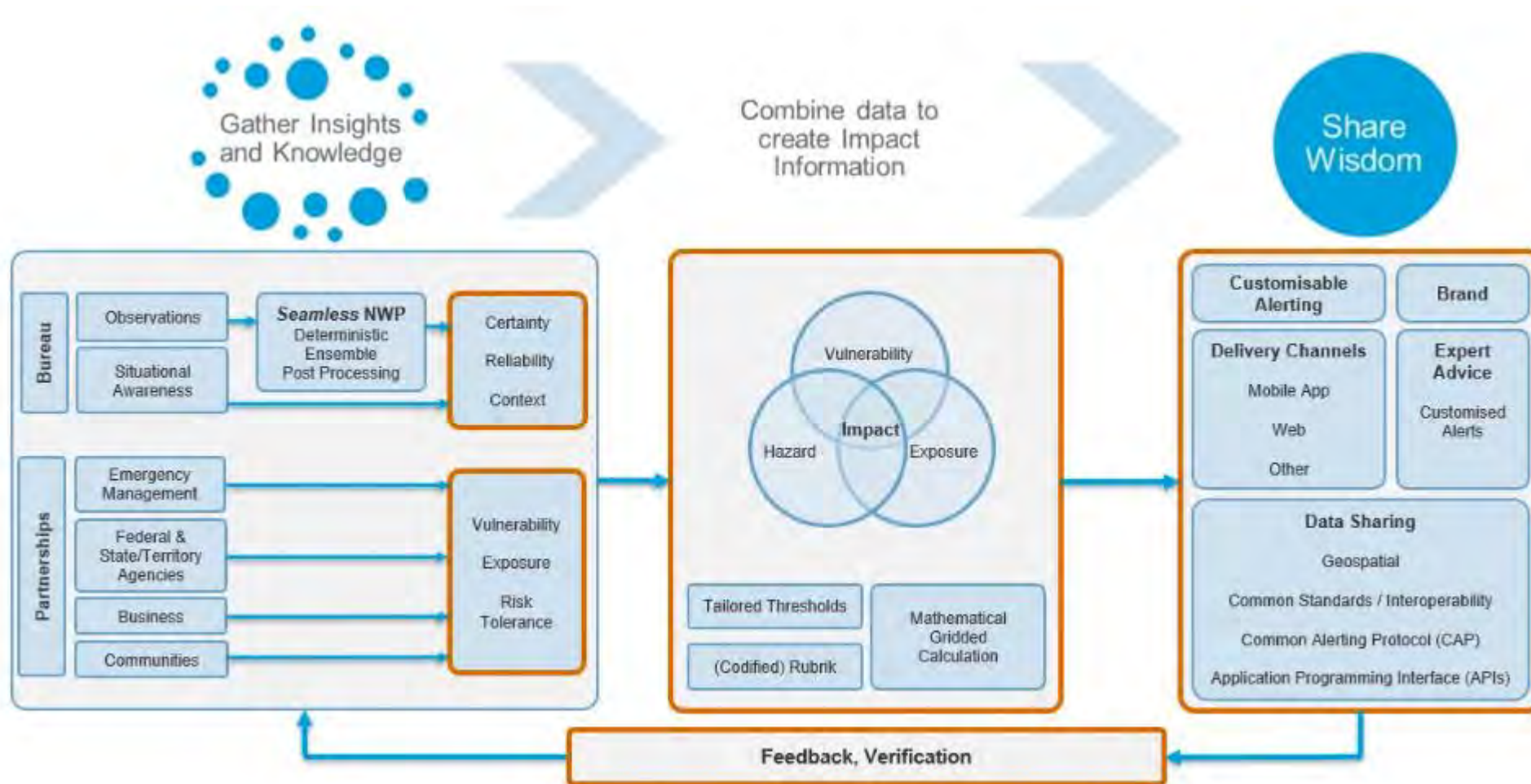


ATSAS – Alerting

- Based on both TITAN tracks and observed lightning
- Email/SMS sent to subscribers
- Can be monitored on ATSAS registered users page

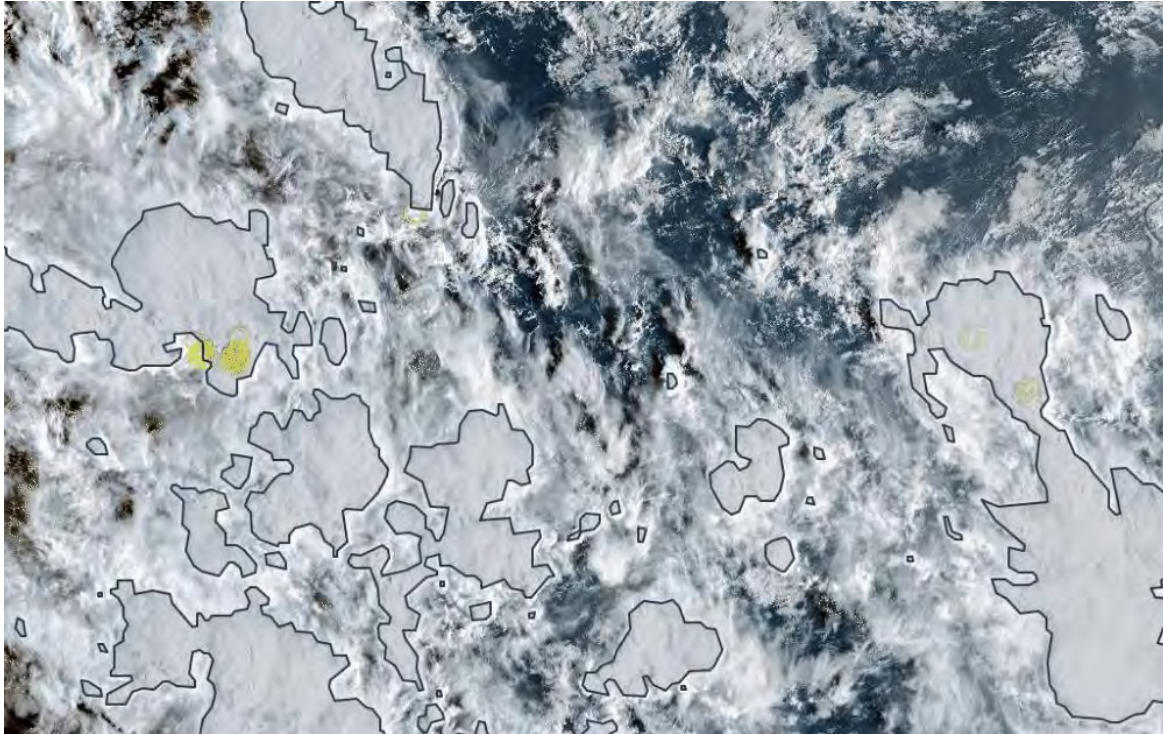


Australian Safety Alerting Program





Innovation & Emerging Capabilities



- The Australian Bureau is looking into new and innovative capabilities to provide thunderstorm and lighting information to the airlines and the ATM community.