

WORLD METEOROLOGICAL ORGANIZATION

AMDAR Panel-15/Doc.3.3.-

(31.10.2012)

**WMO AMDAR PANEL
(Fifteenth Session)**

(BOULDER, USA, 6-9 NOVEMBER 2012)

ITEM: 3.3

Original: ENGLISH ONLY

AMDAR PROGRAMME STATUS

Status Reports on National and Regional Programmes

AMDAR Programme Status Report for New Zealand

(Submitted by New Zealand)

SUMMARY AND PURPOSE OF DOCUMENT

Provides a progress and activity report for the New Zealand AMDAR Programme.

ACTION PROPOSED

1. The Panel is invited to note the information contained in the document.

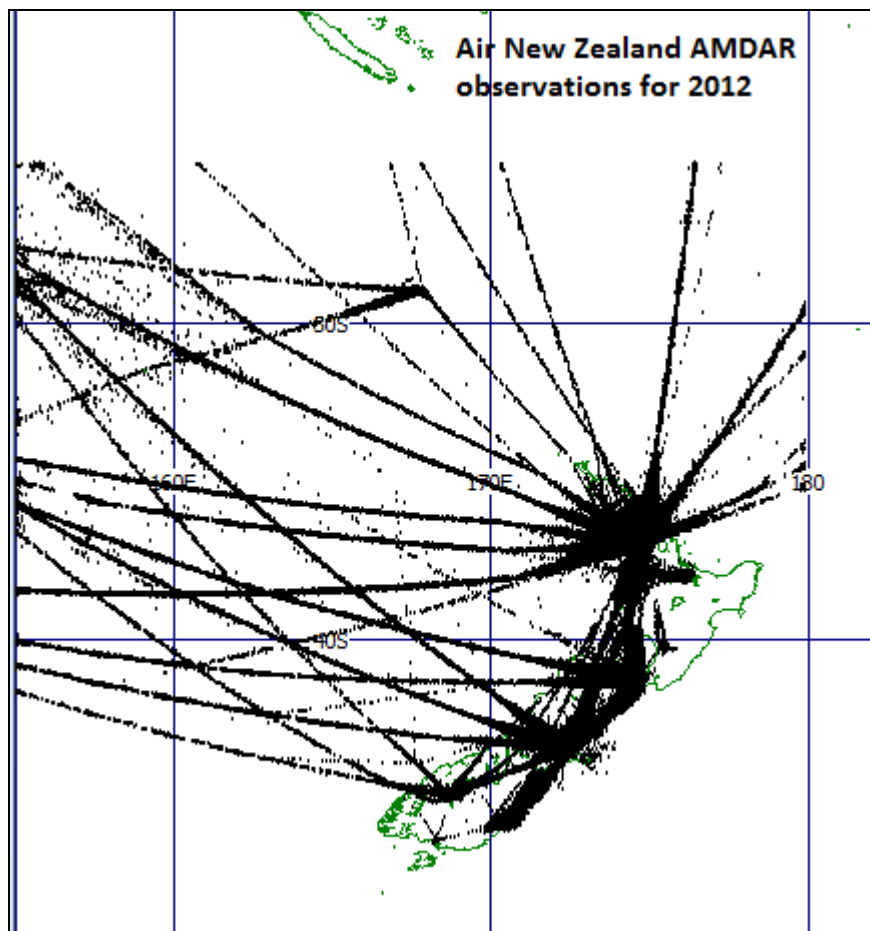
DRAFT TEXT FOR INCLUSION IN THE FINAL REPORT

1. This document presents New Zealand AMDAR activities and achievements since the last AMDAR Panel meeting in 2011

PROGRESS AND ACTIVITY REPORT

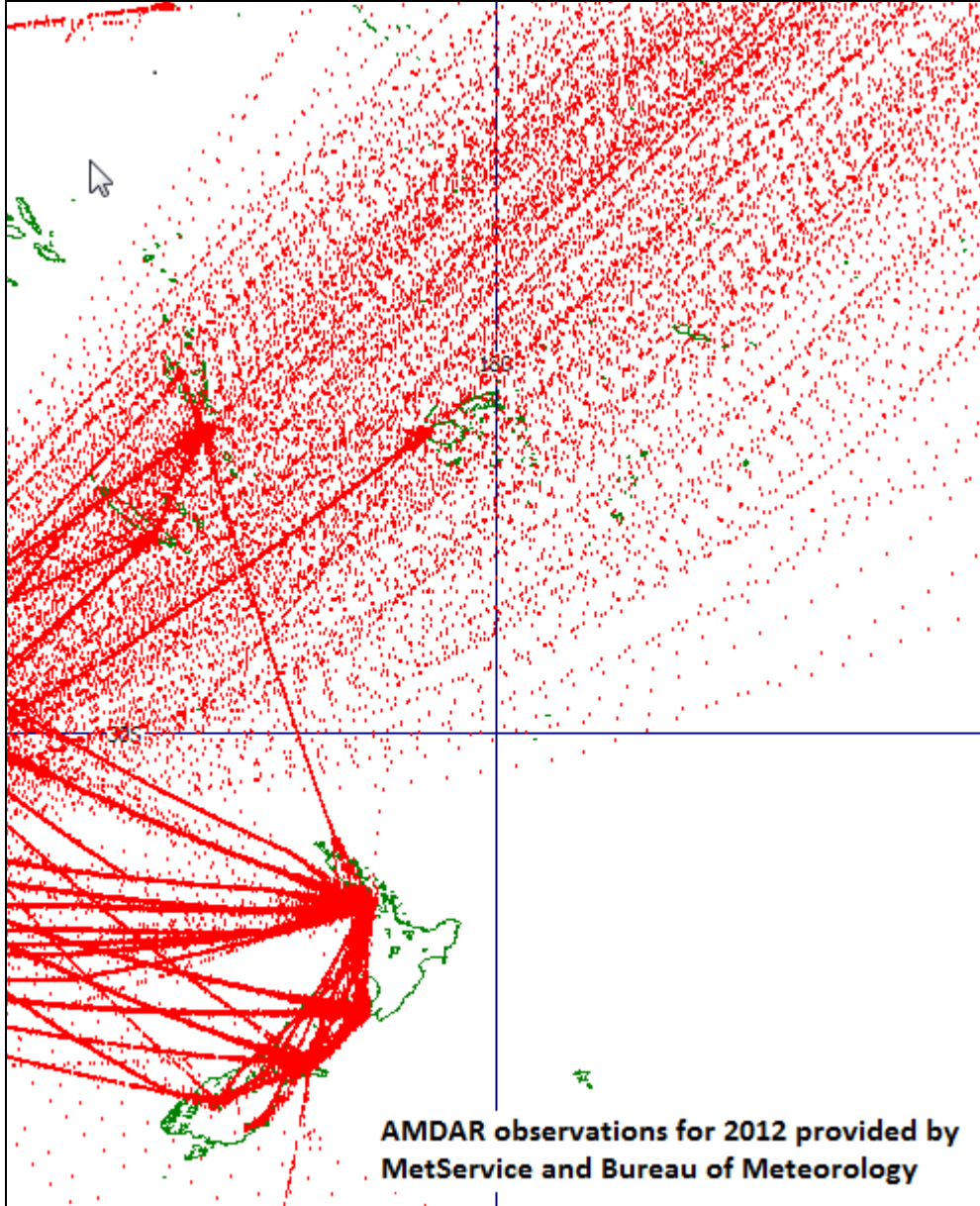
1. This is an update on the status of the AMDAR programme carried out by Meteorological Service of New Zealand Limited (MetService).
2. **AIR NEW ZEALAND REPORTS**

The size of the Air New Zealand fleet producing AMDARs increased. Regular reports were being received from eight A320 aircraft which generally fly the trans-Tasman routes between New Zealand and Australia, and thirteen B737-300 flying domestic routes within New Zealand. Averages of 15,000 messages (approximately 80,000 AMDAR observations) per month were transmitted on the GTS from this source. The position resolution in these reports has improved from one decimal to two decimal places.



3. COST-SHARING WITH AUSTRALIAN BUREAU OF METEOROLOGY

The cost-sharing arrangement with the Australian Bureau of Meteorology for Qantas AMDAR reports within the area 160E to 160W and 0S to 50S contributes to about 45,000 observations each month.



Current Status

Airline	Country of Airline	Aircraft Type (e.g. B737-400)	Number of Aircraft	AMDAR Software	Format On GTS (BUFR / FM42)
Air New Zealand	New Zealand	B737-300	13	proprietary	Both BUFR and FM42
Air New Zealand	New Zealand	A320-200	8	proprietary	Both BUFR and FM42

Future Plans

4. We support the idea of water vapour sensing, however we are unlikely to make progress on this in the next 12 months.
5. We see the value of uplink software as an aid to optimisation however we have no immediate plans to implement this.
