FIGURE 7. MOISTURE CONTROL SYSTEM

- Air-conditioning system
- Water management and absorbent material
- Insulation system
- Structural drainage and corrosion prevention
- Liquid water management
- Root cause
1. Moist air moves through gaps during flight.
2. Frost forms during flight.
3. Frost melts, some water drips into crown and cabin.
4. Some condensation collects in insulation blankets.
5. Most condensation drains away.
FIGURE 3. WATER STAINS ON CEILING PANEL
FIGURE 4. CONDENSATION VARIATION FOR THE 757 FLEET

Conditions:
Total number of airplanes is 708
Estimated mean is 91 g.
Estimated standard deviation is 37 g.

Estimated average daily condensation above the windows, grams per frame bay.
FIGURE 5. WATER STAINS ON END OF STOWAGE BIN
FIGURE 6. WET BLANKETS
FIGURE 8. PLACEMENT OF ABSORBENT FELT ON CEILING PANELS

Nomex felt
FIGURE 9. PLACEMENT OF ABSORBENT FELT ON STOWAGE BINS
FIGURE 10. BILGE TRAYS
FIGURE 10. BILGE TRAYS