# FFG 05 Melbourne [Adelaide Class, Perry Class] - 2007

## Australia



Type: FFG - Guided Missile Frigate
Max Speed: 33 kt
Commissioned: 2007
Length: 138.1 m
Beam: 13.5 m
Draft: 7.5 m
Crew: 176
Displacement: 3500 t
Displacement Full: 4100 t
Propulsion: 2x General Electric LM-2500 Gas Turbines, COGAG

Sensors / EW:
- TSM 5424 Petrel - Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine Avoidance, Max range: 1 km
- TSM 4131 [Spherion Mk3] - Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km
- AN/SPS-55 - Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- Radamec 2500 [EO] - Visual, Visual, Weapon Director & Target Search, Tracking and Identification TV Camera, Max range: 55.6 km
- Radamec 2500 [IR] - Infrared, Infrared, Weapon Director & Target Search, Tracking and Identification Camera, Max range: 55.6 km
- Radamec 2500 [Laser Rangefinder] - Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 7.4 km
- STIR - (ESSM + SM-2MR, Adelaide + Nansen, Mk92 Mod 12) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 111.1 km
- EA-2118/AB - (Omni) ESM, ELINT, Max range: 926 km
- AN/SPS-49A(V)1 - (Omni) Radar, Radar, Air Search, 2D Long-Range, Max range: 463 km
- Mk92 Mod 12 CAS - (GFCS, WM.28) Radar, Radar Illuminator, Long-Range, Max range: 237.1 km
- C-Pearl - (GFCS, WM.28) ESM, ELINT w/ OTH Targeting, Max range: 926 km

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Weapons / Loadouts:
- 76mm/62 Compact HE Burst [4 rnds] - Gun. Air Max: 2.8 km. Surface Max: 11.1 km. Land Max: 11.1 km.
- 12.7mm/50 MG Burst [10 rnds] - (Facility/Ship, No Anti-Air Capability) Gun. Surface Max: 1.9 km. Land Max: 1.9 km.
- Mk182 SRBOC Chaff [Seduction] - (1979) Decoy (Expendable). Surface Max: 1.9 km.
- Mk186 TORCH Flare [Seduction] - (1979) Decoy (Expendable). Surface Max: 1.9 km.
- 20mm/85 Mk15 Phalanx Blk 1A Burst [300 rnds] - Gun. Air Max: 1.5 km.
- RIM-162B ESSM - (2004, Non-AEGIS, Mk41) Guided Weapon. Air Max: 55.6 km. Surface Max: 46.3 km.
- Mk46 NEARTIP Mod 5A(S) - (1997) Torpedo. Subsurface Max: 7.4 km.

- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.
- RGM-84L Harpoon II - (2003) Guided Weapon. Surface Max: 138.9 km. Land Max: 138.9 km.
- RIM-66L-2 SM-2MR Blk IIIA - (1994, No Datalink) Guided Weapon. Air Max: 92.6 km. Surface Max: 46.3 km.
- AN/SLQ-25 Nixie - Decoy (Towed). Surface Max: 1.9 km.
- Mk234 Nulka - (2002) Decoy (Expendable). Surface Max: 1.9 km.