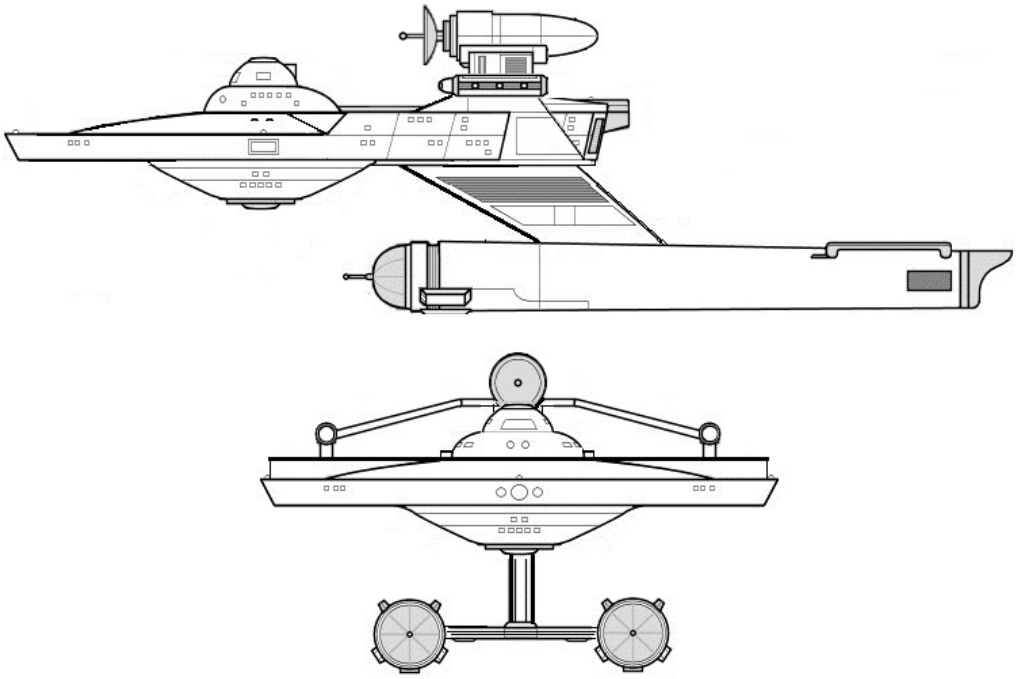


STARFLEET *ACHERNAR*-CLASS
light cruiser; commissioned: 2243; withdrawn: 2259

HULL DATA
structure: 35
size/decks: 5/15
L/B/H: 210/127.1/46
complement: 219

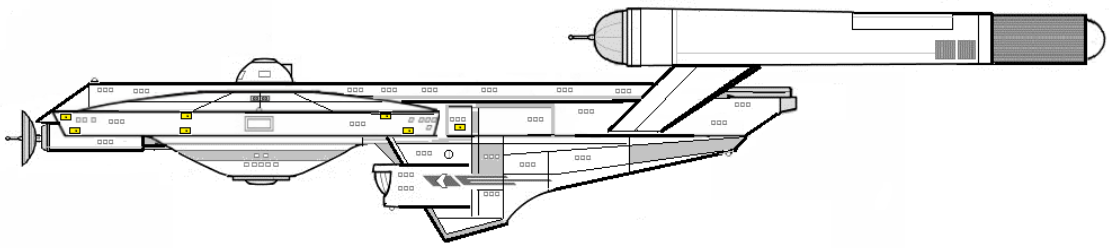
TACTICAL DATA
phase cannon banks: PC-25 (x4/B); fire arcs: 1 f, 1 f/p, 1 f/s, 1 a
penetration: 4/3/3/0/0
pulsed phase cannon: PC-10a (x2/B); fire arcs: 2 f
penetration: 3/1/1/0/0
torpedo launcher: Mk 10 if (x2/B); fire arcs: 2 f
penetration: 2/2/2/2/0
deflector shield: PFF 2 (A)
protection/threshold: 12/2

PROPULSION DATA
impulse system: SBE (0.5c) (D)
warp system: PB-20 (5.2/6.2/7.2) (D)

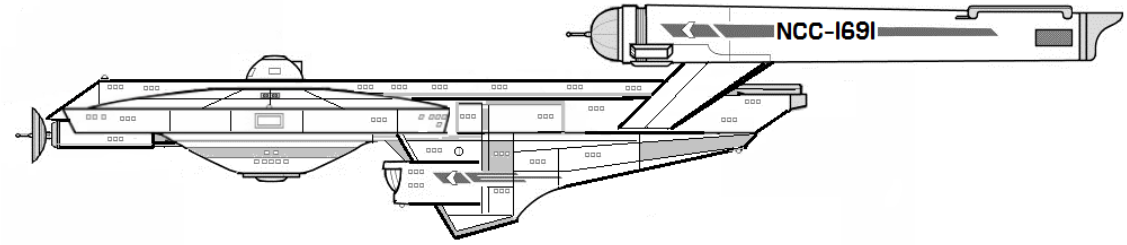
OPERATIONAL DATA
cargo units: 60
life support: Class 2 (C)
operations system: Class 2 (C)
sensor system: Class 2 (+2/+1/+0/0/0) (C)
shuttlebay: 2 a

shuttlecraft: 10 size worth
tractor beams: 1 fv, 1 ad
transporters: 4 standard, 4 emergency, 4 cargo

MISCELLANEOUS DATA
maneuver modifiers: +2 C, +0 H, +2 T
traits: Pulse Upgrade (phase cannon; reflected above), Vulnerable System (warp), Jury-Rigged (tactical: reflected above), Outdated (tactical), Limited Fire Arc (pulsed phase cannon)One of your weapons has a limited arc reducing one of the weapon systems effectiveness. **Prerequisite:** The selected weapon total space cost must be 5 or greater. **Effect:** Select one weapon type (Example: Type XII phaser) when this flaw is taken. When you fire that weapon system, make a Helm maneuver with a TN equal to the target's protection. If the test fails, do not apply the penetration value of the selected weapon (be it a Beam or Missile system, whichever is the case). This maneuver is an action for the character at the Helm (Flight Control), but not for the ship, Weak Power Grid, The ship either has insufficient generators or a bad power distribution network, which creates shortages in power-demanding situations. **Effect:** At the beginning of combat, one system chosen either by the CO or the Engineering officer automatically suffers one point of damage. This damage cannot be repaired until the combat ends.



2243-2258



2259-2265

STARFLEET *TIKOPAI*-CLASS
heavy cruiser; commissioned: 2243; (refit: 2259); withdrawn: 2265

HULL DATA
structure: 45
size/decks: 6/16 (avg deck ht: 3.1 meters)
L/B/H: 275/127/65
complement: 200

TACTICAL DATA
phase cannon: PC-25 (x4/C)*
penetration: 4/3/3/0/0
torpedo launcher: Mk 12 if (x2/C); fire arc: forward
penetration: 3/3/3/3/3
deflector shield: PFF 2a (B)
protection/threshold: 13/3
*3 banks: fire arcs: 1 f, 1 f/p, 1 f/s, + 1 single emitter firing aft

PROPULSION DATA
impulse system: SBE (0.5c) (D)
warp system: PB-16 Mk 2v (5/6/7) (C); (PB-20 5.2/6.2/7.2) (D)

OPERATIONAL DATA
cargo units: 60
life support: Class 2 (C)
operations system: Class 3e (E)
sensor system: Class 3 (+3/+2/+1/+0/0) (D)
shuttlebay: 1 fv
shuttlecraft: 6 Size worth
tractor beams: 1 fd, 1 a
transporters: 6 standard, 5 emergency, 3 cargo

MISCELLANEOUS DATA
maneuver modifiers: +2 C, +1 H, +2 T
traits: Battle Tested (reflected above), Harden System (life support), Prototype (operations +1 reliability)

NOTES:

- 4 Labs - Astrophysics (Cosmology/Physics), Defense Stratigies, Special Studies (Configurable)[1], Medical Research.
  [1] Considered inadequately equipped (*see* PG p.101)
- 4 Recreation Facilities - Arborium, Gym, Swimming Pool, Generic Configurable Reacreation Area
- 50 Photon Torpedoes
- 50 Probes (10 each; Class I - V)
- 20 RCS Units (16 - 8 each dorsal and ventral edge of the primary hull. 4 - 2 each per warp nacelle) (Original configuration)
- PB-16 Mk 2v and later PB-20 warp engine. Emergency speed can be maintained for 8 hours.

UPGRADES
2248: Mk 6 Fabrication Units are swapped out for Mk 7.
2250: Sensor range increased from 8 light years to 10 light years.
2254: Mk III photon torpedoes swapped out for Mk IV.
2255: Crew and officer quarters reconfigured (TOS standards); briefing rooms reconfigured (TOS standard)
2257: Bridge module upgraded; New Turboloft Cars (TOS standard), More Companels installed (TOS standard). ODN upgraded from 9I to 10J. MARS viewers completely

disappear from the bridge and Desktop monitors replace MARS viewers every where else. (TOS standard). RCS units blended into hull instead of being pronounced on the hull. Mk 3 food processing units swapped out for Mk 4. Mk 5 standard transporters swapped out for Mk 6. Mk 3 emergency transporters swapped out for Mk 4. Mk 3 cargo transporters swapped out Mk 4. Cruise lights installed. Class G plasma injectors are swapped out for Class H increasing the emergency speed duration from 8 hours to 11 hours.
2259-2261: PB-16 Mk 2v warp drive units are swapped for PB-20. Main engineering compartment reconfigured (1st season TOS standards).

NOTABLE VESSELS:
USS Helios NCC-1691 - Commissioned 8 August 2250. Commanded by Captain E.G. (Edward Graham) White (2250-2255).
USS Helios NCC-1691 - Commanded by Commander then later Captain Jaxon Philip Savage. Assigned as of 2255 to 2nd Fleet, 3rd Battle Squadron, 3rd Battle Group, Element D (2.3.3-D)

NOTES:
The *Achernar* and *Tikopai* class were not modified to use phaser technology after its development. Though technologically feasible, such improvements were not possible, due the vessle's unusual power distribution/utiliztion networks. Both classes used a warp core design that was nearly century old (the design itself not the age of the warp core).

September 2253 - Starfleet's production of two new classes of starships: the *Achernar* and *Tikopai* , were at production levels sufficent enough to be considered for front-line combat duties. These ships would be superior to most of their Klingon counterparts to give some hope of parity against them.

- Achernar

Commissioned: 2243
Production Run: 2243-2254
Total Units Produced: 66
Production Rate: 4/annum
Status: Class 2 (as of 2258)

- Tikopai

Commissioned: 2243
Production Run: 2243-2255
Total Units Produced: 44
Production Rate: 5/annum
Status: Class 2 (as of 2265)

Comparative Capabilities

Tikopai	**Achernar**
A) Has minimum scientific/exploratory capabilities.	A) NONE. Designed toward combat capabilities.

B) Most of the ship systems were capable of upgrading.

C) Better overall systems.

B) NO. To Static of a design.

C) The Surya, Miranda and Coventry class performed better.