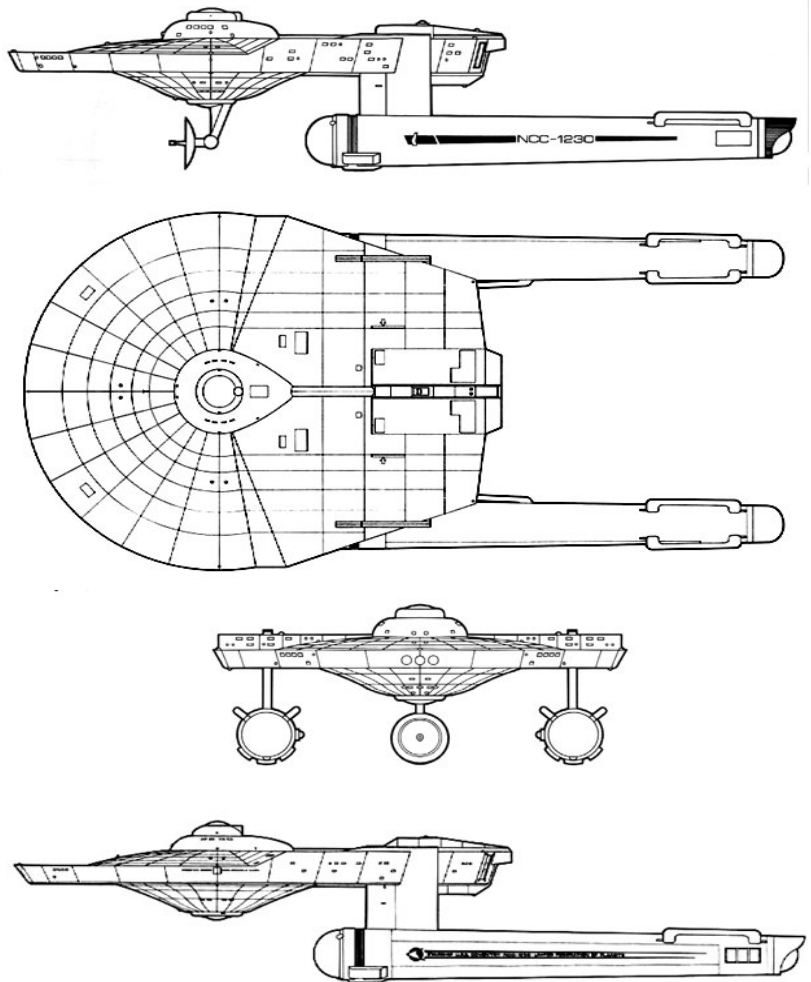




Anton Class Research Cruiser



Classification:			
Class:	X	X	X
Model:	Mk I	Mk II	Mk IV
Class Commission Date:	2246-2256	2250-2260	2256-2280
Number Proposed:			
Constructed:			
Lost:			
Destroyed:			
Scrapped:			
Training:			
Captured:			
Sold:			
Superstructure:	20	20	20
Damage Chart:			
Dimensions:			
Length:			
Width:			
Height:			
Displacement:	158500 mt	158540 mt	158490 mt
Cargo Specs:			
Total SCU:	131	131	131
Cargo Capacity:	6550 mt	6550 mt	6550 mt
Computer Type:	M-3	M-3	M-3
Landing Capacity:			
Cloaking Device:			
Power to Engage:			
Transporters:			
6-person:	3	3	3
20-person Combat:			
22-person Emergency:	3	3	3
cargo:	8	8	8
Laboratories:	11	11	11
Brigs:	13	13	13
Replicators:			
Shuttlecraft:			
Light Shuttle:			
Standard Shuttle:	7	7	7
Ships Complement:	363	364	363
Officers:	91	91	91
Enlisted:	273	273	273
Troops:			
Passengers:	40	40	40
ENGINEERING:			
Total Power Available:	35	38	40
Movement Point Ratio:	3/1	3/1	3/1
Warp Engine Type:	FWC-1	FWC-1	FWC-1
Number:	2	2	2
Power Units:	16	16	16
Stress Chart:	O/M	O/M	O/M
Optimum Speed:	4.6	4.6	4.6
Max Safe Cruising:	7.0	7.0	7.0
Emergency Speed:	8.1	8.1	8.1
Impulse Engine Type:	FIC-2	FIC-3	FID-3
Power Units:	3	6	8
WEAPONS/DEFENSE			
Beam Weapon:	FL-5	FL-5	FH-3
Firing Arcs:	2f/p, 2f/s	2f/p, 2f/s	2f/p, 2f/s
Firing Chart:	H	H	W
Maximum Power:	2	2	5
Damage Modifiers			
+3	N/A	N/A	(1-10)
+2	(1-4)	(1-4)	(11-17)
+1	(5-7)	(5-7)	(18-20)
Beam Weapon:	None	None	None
Firing Arcs:			
Firing Chart:			
Maximum Power:			
Damage Modifiers			
+4			
+3			
+2			
+1			
Torpedo Type:	None	None	FP-1
Firing Arcs:			1f, 1a
Firing Chart:			L
Power To Arm:			1
Damage:			10
Stock:			180
Shields:			
Shield Type:	FSG	FSH	FSL
Shield Point Ratio:	1/1	1/2	1/3
Maximum Shield:	9	10	14
Combat Efficiency			
D-	3.2	4.5	44.7
D-	71.6	102.6	139.6
WDF-	4.4	4.4	32.0
Procurement Cost-	571 MCr	578 MCr	641 MCr



NOTES:

First commissioned in 2246 during the period known as "The Great Awakening", the Anton Class research cruiser was in the forefront of that expansion effort. At the time, Star Fleet itself was expanding in response to the changing and expanding economic and political goals of the UFP. To meet the demand of a larger navy, the Military Appropriations Committee authorized the development and testing of dozens of vessel types, the Anton among them.

During this same period, the concepts of ship design were rapidly evolving and becoming more sophisticated, and the technology to build and operate starships was going through an industrial revolution. Advances in all facets of the technology required to construct, maintain, and operate a starship was changing so rapidly that some ships were obsolete before they were completed. The Anton design was changed no fewer than 12 times before the tooling and machining was begun. Even so, the ship required some alterations during its trials and was to see many more changes after its commissioning, the last of which was the refitting to the Miranda Class.

When these new cruisers were launched, they were only capable of performing 3-year missions with re-supply at 1-year intervals. This made their dual-purpose role of research cruiser harder to perform. With the great distances that had to be traveled, they could not get more than 6-months travel time from a friendly outpost. This meant they could only advance as fast as the frontier was expanding. The Anton was the first starship to incorporate the breakthrough of Circumferential Warp Drive allowing it to cruise at warp 7.0 for long durations. This was in sharp contrast to the Baton Rouge Class with its maximum long duration cruise velocity of warp 3.0. The improved warp capability allowed the Anton to explore an area 38 times that of the older Baton Rouge class. The remarkable cruising velocity of the Anton led to it being the preferred vessel for diplomatic as well as pure exploratory missions.

Do to the hazardous nature of deep space exploration the Anton was equipped with four FL-5 pulse lasers giving it an effective engagement range of 80,000 km. At the time Star Fleet felt that the lasers were sufficient armament for a Research Cruiser and the decision was made to omit an accelerator canon, this decision would come to haunt Star Fleet during the 4 Years War.



Anton Class Research Cruiser



While the original Anton class was fast and (relatively) well armed, the FSG shielding system had proven less than satisfactory and the decision to upgrade the defenses with a binary transducer shielding system was made in 2249. While undergoing refit to the FSH deflector screens, engineers decided to upgrade the impulse drive from the FIC-2 to the more powerful FIC-3 drive increasing overall power output by 8%. The new shields were not only twice as efficient as the old FSG but also 10% more powerful, these changes would significantly enhance the class' survivability.

When the 4-Years War broke out between the Federation and the Klingon Empire, the Anton class represented the most modern medium cruiser available to Starfleet. Due to its warp 7 capability, the Anton was frequently the first cruiser to respond to a Klingon incursion, and suffered heavy losses as a result. In the initial year of the war many Anton class vessels were lost in a vain attempt to halt Klingon expansion into the Federation. Combat reports showed that, while powerful, maneuverable and well defended, the Anton was unable to match a single D-7A battle cruiser in combat. The Anton was plagued with laser armament unable to penetrate Klingon shields and anything over 40,000 km while the D-7A was able to effectively engage the Anton at a range of over 150,000 km.

By the second year of the war Starfleet commanders had learned to use the Anton only as part of a task force made up of multiple vessels. In this role the Anton excelled as it was fast and spacious. Typically the Anton would act as flagship for a destroyer squadron and only enter combat after the destroyers had engaged the opposing forces. This allowed the Anton to close to point blank range and attempt to engage the enemy's (unshielded) flanks. Due to high warp capability, these fast task forces could pick and chose whether to engage enemy forces and could easily break contact if the engagement went badly.

In 2256 Starfleet gave Anton commanders what they had been begging for, and more. With the launch of the USS *Fusilier* Captains of Anton class vessels could finally stand and fight. The Mk III Anton incorporated phaser technology in the form of the FH-3 which could punch through Klingon shields at up to 180,000 km. In addition to the twin phaser banks, the Mk II finally incorporated a missile system in the form of fore and aft FP-1 photon torpedo tubes. At a range of 100,000 Km the new weapon suite gave the Anton a good chance of vaporizing a D-7A with a single volley of fire. Along with significantly more firepower, the Mk III incorporated the newly developed FID-3 impulse drive and FSL ternary deflector shield. These improvements increased the ships overall power by 5%, shield efficiency by 50% and shield strength by 40%.

At the end of the war the Anton class returned to its exploratory role in moderate to high threat areas. During the period 2259-2266 the Anton class made 1st contact with more star faring civilizations than even the Constitution class. For many federation citizens on the frontier the Anton came to represent the presence of the Federation. Many vessels served with distinction during the Organian Conflict and the class did much to aid in the establishment of Federation Colonies within the Organian Treaty Zone.

By the close of the 2260's the Anton design had begun to grow long in tooth and the limited endurance of the Anton class led to many being sold off or scrapped in the 2270's. In 2272 the decision was made to find a replacement for the Anton class which would have greater endurance, expanded research facilities, upgraded defensive systems and a lower maintenance cost. When Morena offered up the Brenton design as a possible Anton replacement, Salazar responded with a proposal for a complete overhaul of the Anton design complete with linier warp drive units. While Starfleet did adopt the Brenton, it also funded the upgrade of the USS *Miranda* leading to the development of the Miranda class cruiser.

Disposition:		D Destroyed DK Destroyed in 4 Years War Sc Scrapped	L Lost, whereabouts unknown R2 Refit to MKII R3 Refit to Mk III	RM Refit to Miranda Class I Inactive or Reserve Fleet T Training-Command vessel
NCC-1800	Anton	I 2246, R2 2250, R3 2256, T 2268, I 2276, Sc 2280		NCC-1850 Forceful III 2256, DK 2258
NCC-1801	Brattain	I 2246, R2 2250, DK 2254		NCC-1851 Redan III 2256, L 2262
NCC-1802	Tian An Men	I 2246, R2 2251, DK 2254		NCC-1852 Perseus III 2257, L 2271
NCC-1803	Formidable	I 2246, R2 2251, DK 2255		NCC-1853 Thetis III 2257, I 2268, Sc 2272
NCC-1804	Defender	I 2247, R2 2252, DK 2254		NCC-1854 Crommalen III 2257, DK 2257
NCC-1805	Triumph	I 2247, R2 2252, R3 2256, DK 2256		NCC-1855 Amador III 2257, L 2269
NCC-1806	Vengeance	I 2247, R2 2253, Sc 2255		NCC-1856 Circe III 2257, S 2268
NCC-1807	Venerable	I 2247, R2 2253, R3 2256, L 2261		NCC-1857 Achilles III 2257, DK 2258
NCC-1808	Ardent	I 2248, R2 2254, DK 2254		NCC-1858 Odysseus III 2257, DK 2257
NCC-1809	Encounter	I 2248, R2 2254, DK 2255		NCC-1859 Ra III 2257, DK 2258
NCC-1810	Champion	I 2248, R2 2254, R3 2256, L 2264		NCC-1860 Repulse III 2258, RM 2275
NCC-1811	Furious	I 2248, R2 2254, R3 2256, Sc 2270		NCC-1861 Invincible III 2258, RM 2275
NCC-1812	Ramilles	I 2249, R2 2254, R3 2256, S 2271		NCC-1862 Suffren III 2258, RM 2276
NCC-1813	Conqueror	I 2249, R2 2254, R3 2256, T 2268, Sc 2270		NCC-1863 Indeflagatable III 2258, RM 2276
NCC-1814	Glorious	I 2249, R2 2255, DK 2255		NCC-1864 Reliant III 2258, RM 2276
NCC-1815	Terror	I 2249, R2 2255, R3 2257, L 2267		NCC-1865 Da Vinci III 2258, RM 2277
NCC-1816	Valorous	I 2250, L 2253		NCC-1866 Odessa III 2258, DK 2258
NCC-1817	Terminator	II 2250, R3 2257, DK 2258		NCC-1867 Saratoga III 2258, RM 2277
NCC-1818	Courageous	II 2250, R3 2257, I 2268, Sc 2270		NCC-1868 Indomitable III 2259, RM 2277
NCC-1819	Vindicator	II 2250, R3 2257, T 2267, Sc 2272		NCC-1869 Revenge III 2259, RM 2277
NCC-1820	Redoubt	II 2251, R3 2257, L 2266		NCC-1870 Renown III 2259, RM 2278
NCC-1821	Guardian	II 2251, DK 2254		NCC-1871 Invincible III 2259, RM 2278
NCC-1822	Regulator	II 2251, DK 2256		NCC-1872 Daring III 2260, RM 2278
NCC-1823	Invicta	II 2251, R3 2257, I 2271, Sc 2273		NCC-1873 Devastator III 2260, RM 2278
NCC-1824	Kings Destroyer	II 2252, DK 2255		NCC-1874 Courage III 2260, RM 2279
NCC-1825	Audacious	II 2252, R3 2257, D 2270		NCC-1875 Thurgon III 2260, L 2270
NCC-1826	Daredevil	II 2252, R3 2257, L 2262		NCC-1876 Athena III 2261, I 2271, Sc 2273
NCC-1827	Striker	II 2252, R3 2257, S 2272		NCC-1877 Hypnos III 2261, I 2272, Sc 2273
NCC-1828	Enforcer	II 2253, R3 2257, I 2273, Sc 2274		NCC-1878 Vesta III 2261, S 2270
NCC-1829	Rigorous	II 2253, R3 2257, L 2262		NCC-1879 Hermes III 2261, L 2264
NCC-1830	Blade of Tellar	II 2253, R3 2257, D 2266		NCC-1880 Artemis III 2262, D 2266
NCC-1831	Immortal	II 2253, R3 2257, L 2267		NCC-1881 Minerva III 2262, D 2274
NCC-1832	Commencement	II 2254, R3 2257, Sc 2270		NCC-1882 Bacchus III 2262, I 2272, Sc 2275
NCC-1833	Accommodator	II 2254, R3 2257, DK 2258		NCC-1883 Dionysus III 2262, L 2273
NCC-1834	Dominator	II 2254, R3 2258, D 2271		NCC-1884 Ceres III 2263, T 2267, S 2275
NCC-1835	Lifeforce	II 2254, R3 2258, T 2264, Sc 2273		NCC-1885 Ares III 2263, S 2276
NCC-1836	Miranda	II 2255, R3 2258, RM 2275		NCC-1886 Hestia III 2263, L 2270
NCC-1837	Lantree(variant)	II 2255, R3 2258, I 2272, RM 2275		NCC-1887 Asclepius III 2263, D 2266
NCC-1838	Eradicator	II 2255, DK 2257		NCC-1888 Hephaestus III 2264, I 2274, Sc 2276
NCC-1839	Warrior	II 2255, R3 2258, I 2268, Sc 2274		NCC-1889 Demeter III 2264, I 2275, Sc 2277
NCC-1840	Soyuz	II 2255, R3 2258, RM 2275		NCC-1890 Poseidon III 2264, S 2275
NCC-1841	Pugilist	II 2255, R3 2258, T 2268, Sc 2273		NCC-1891 Hera III 2264, L 2273
NCC-1842	Archer	II 2255, R3 2258, L 2271		NCC-1892 Chronos III 2265, T 2270, S 2278
NCC-1843	Grenadier	II 2255, R3 2258, T 2270, Sc 2274		NCC-1893 Hathor III 2265, I 2275, Sc 2277
NCC-1844	Fusilier	III 2256, DK 2256		NCC-1894 Isis III 2265, L 2276
NCC-1845	Reforger	III 2256, L 2266		NCC-1895 Osiris III 2265, T 2275, Sc 2278
NCC-1846	Brave Shield	III 2256, DK 2258		NCC-1896 Thoth III 2266, D 2271
NCC-1847	Legionaire	III 2256, D 2266		NCC-1897 Majestic III 2266, L 2277
NCC-1848	Administrator	III 2256, L 2260		NCC-1898 Shirkahr III 2266, D 2274
NCC-1849	Valhalla	III 2256, I 2269, Sc 2273		