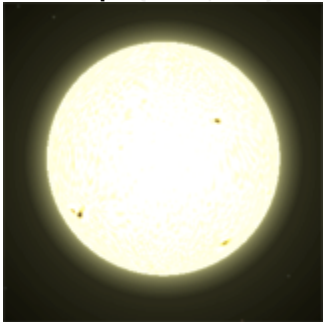
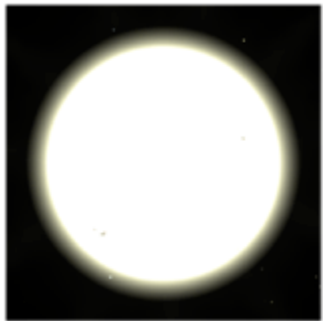
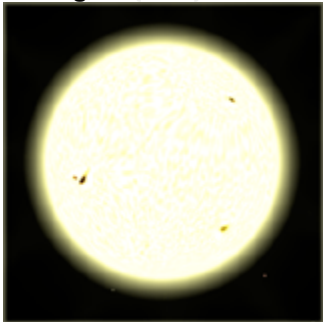
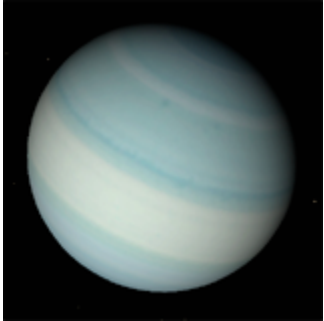
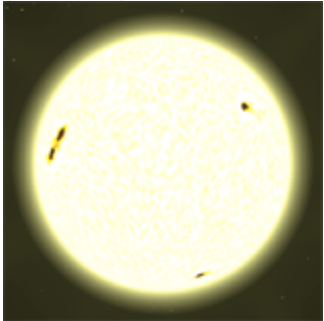
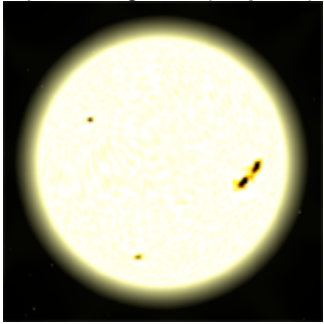
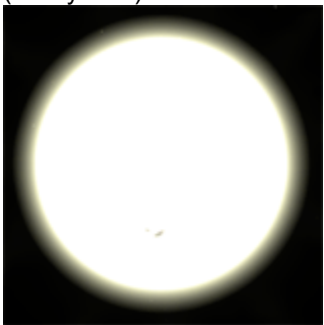


UNSC Science and Technology Command

Earth Survey Catalogue:

Official Name/(Common)	Star System	Distance	Coordinates	Remarks/Status
18 Scorpii {TCP:p351} 	18 Scorpii {Fact}	45.7 LY {Fact}	16h 15m 37s -08° 22' 06"	Diameter: 1,654,100km (1.02R*) {Fact} Spectral Class: G2 Va {Fact} Surface Temp.: 5,800K {Fact}
18 Scorpii ?? (Falaknuma) {TCP:p351} Constellation: Scorpio	18 Scorpii {Fact}	45.7 LY {Fact}	16h 15m 37s -08° 22' 06"	UNSC HQ base on world. UNSC recruitment center in the city of Halkia. {TCP:p355}
111 Tauri  Constellation: Taurus	111 Tauri {Fact}	47.8 LY {Fact}	05h:24m:25.46s +17° 23' 00.72"	Diameter: 1,654,100km (1.19R*) {Fact} Spectral Class: F8 V {Fact} Surface Temp.: 6,200K {Fact}
111 Tauri ?? (Victoria) {GoO:p31} Constellation: Taurus	111 Tauri {Fact}	47.8 LY {Fact}	05:24:25.4634 +17° 23' 00.72"	UNSC colony. Location of a rebel cell at Camp New Hope in 2531. {GoO:p31}
51 Pegasi {Fact}  Constellation: Pegasus	51 Pegasi {Fact}	50.1 LY {Fact}	22h:57m:28s +20° 46' 7.8"	Diameter: 1,668,000km (1.2R*) {Fact} Spectral Class: G4 (yellow-orange) {Fact} Surface Temp.:
51 Pegasi-B (Bellerophon)	51 Pegasi	50.1 LY	22h:57m:28s	Gas giant planet in the 51 Pegasi

<p>{Fact}</p>  <p>Constellation: Pegasus</p>			<p>+20° 46' 7.8"</p>	<p>system informally named Bellerophon. Diameter: 196,000km. {Fact}</p> <p>Located on the edge of UNSC territory. {GoO:p15}</p> <p>Its moon, Pegasi Delta, contained a Covenant deuterium/tritium refinery destroyed by covert UNSC forces in 2545. {GoO:p13}</p>
<p>51 Pegasi-B-1 (Pegasi Delta) {GoO:p13}</p> <p>Constellation: Pegasus</p>	<p>51 Pegasi</p>	<p>50.1 LY</p>	<p>22h:57m:28s +20° 46' 7.8"</p>	<p>Moon of the gas giant planet 51 Pegasi-B in the 51 Pegasi star system; a Covenant stronghold on the edge of UNSC territory. {GoO:p13} {GoO:p15}</p> <p>Lavender shoreline; toxic sea rich in deuterium and tritium. {GoO:p14} {GoO:p15}</p> <p>It had a Covenant deuterium/tritium refinery on it, destroyed by UNSC forces during Operation TORPEDO on July 3, 2545. {GoO:p13} {GoO:p15}</p> <p>Refinery had a central structure 1km² with 300m tall sniper towers for defense. {GoO:p19} The factory core was the size of a 10-storey building with surrounding pipes and supply pods. {GoO:p23} The reactor's dump valve was the size of a UNSC Pelican. {GoO:p24} It was located 500m above the ocean at the edge of a cliff. {GoO:p23}</p>
<p>85 Pegasi-A (GJ 914A) {GoO:p13}</p>  <p>Constellation: Pegasus</p>	<p>85 Pegasi {Fact}</p>	<p>40.5 LY {Fact}</p>	<p>00h:02m:10s +27° 4' 56"</p>	<p>Diameter: ??km (0.91R*) {Fact}</p> <p>Spectral Class: G3 V {Fact}</p> <p>Surface Temp.: 5,550K {Fact}</p> <p>Faint yellow star visible in the sky above 51 Pegasi-B. {GoO:p13}</p>

<p>85 Pegasi-B (GJ 914B) {Fact}</p> <p>Constellation: Pegasus</p>	<p>85 Pegasi {Fact}</p>	<p>40.5 LY {Fact}</p>	<p>00h:02m:10s +27° 4' 56"</p>	<p>Diameter: ??km (0.67R*) {Fact} Spectral Class: K6 V {Fact} Surface Temp.: 4,200K {Fact}</p> <p>Orange dwarf binary of 85 Pegasi-A. {Fact}</p>
<p>Alpha Aurigae-A (Capella)</p>  <p>Alpha Aurigae-B</p> <p>Constellation: Auriga</p>	<p>Alpha Aurigae</p>	<p>42.2 LY</p>	<p>05h:16m:41.36s +45° 59' 52.76"</p>	<p>Diameter: ??km (12R*) {Fact} Spectral Class: G8 III {Fact} Surface Temp.: 4,900K {Fact}</p> <p>Binary star system containing two G type giant stars and two faint red dwarfs.</p>
<p>Alpha Aurigae ?? (Origami) {HWG:p6}</p> <p>Constellation: Auriga</p>	<p>Alpha Aurigae</p>	<p>42.2 LY</p>	<p>05h:16m:41.36s +45° 59' 52.76"</p>	<p>Admiral Cole's fleet engages and wins against a Covenant fleet in the Origami asteroid field in 2526. {HWG:p6}</p>
<p>Alpha Canis Minoris A (Procyon A)</p>  <p>Constellation: Canis Minor</p>	<p>Alpha Canis Minoris A (Procyon A)</p>	<p>11.41 LY</p>	<p>07h:39m:18.1s +05° 13' 29"</p>	<p>Diameter: ??km (1.86R*) Spectral Class: F5 IV-V Surface Temp.: 6,650K</p> <p>Large subgiant white star, the main star in a binary system with a white dwarf companion.</p>
<p>Alpha Canis Minoris B (Procyon B)</p>	<p>Alpha Canis Minoris B (Procyon B)</p>	<p>11.41 LY</p>	<p>07h:39m:18.1s +05° 13' 29"</p>	<p>Diameter: 17,000km (0.01234R*) Spectral Class: DA Surface Temp.: 7,740K</p> <p>White Dwarf binary companion to Procyon A.</p>



Constellation: Canis Minor

Arcadia (Alpha Canis Minoris A-??){CH:p96}
{HaloWars}

Constellation: Canis Minor

Alpha Canis Minoris A

11.41 LY
{Fact}

07h:39m:18.1s
+05° 13' 29"

UNSC colony famous for its recreational amenities.
{CH:p127}

Located 2.7AU from Procyon A.
{Inferred}

Four moons. {HaloWars}


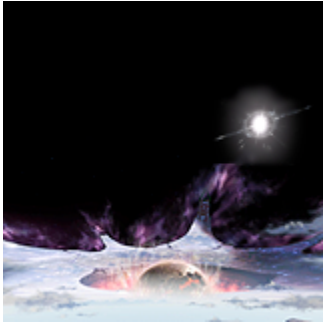
Population estimate in 2531:
Almost 3 million {HaloWars}

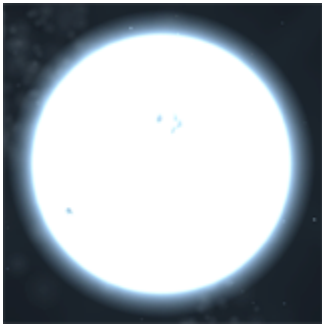
The luxury liner *Two Drink Minimum* routinely traveled between this colony and Earth.
{CH:p96}

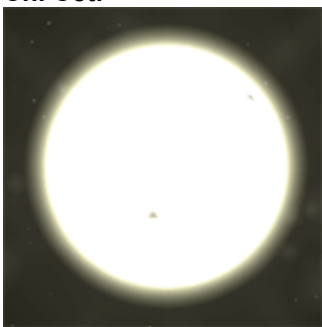
The luxury liner *National Holiday* at Reach bound for Arcadia was destroyed in June of 2524 by insurrectionists. {CH:p127}

Arcadia came under Covenant attack in early February 2531. Four UNSC ships managed to destroy one Covenant vessel at the cost of two of their own. The *Spirit of Fire* rendezvoused in orbit of Arcadia to assist evacuation operations of the colonists in the spaceport city of Arcadia's capital city, Pirth.
{HaloWars}

After this conflict, survivors started Abaskun, a small rural farming community on a rich farmland area on continent of Mu. Although largely lawless, the colony provided food supplies to the UNSC until it was attacked by the Covenant again in the fall of 2549. {HWSG:p183}

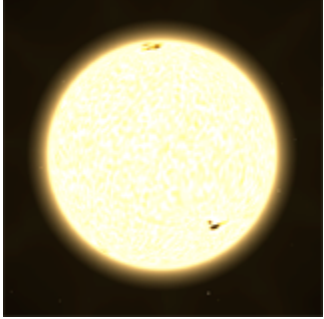
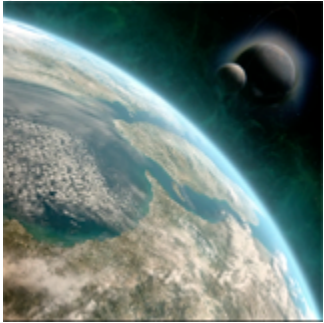

<p>Ark, Artificial Star</p>  <p>Constellation:</p>	<p>N/A</p>	<p>~262,144LY</p>		
<p>Ark, The <small>{Halo3}</small> Installation 00</p>  <p>Constellation:</p>	<p>N/A [Artificial Star]</p>	<p>~262,144LY</p>		<p>Forerunner facility. Purported use includes the fabrication of the Halo Array ring worlds. Located extra-galactically approximately 262,144 light years from the Milky Way galactic center. It was intentionally located a safe distance from the Halo array's destructive effects on sentient life. It served as a remote activator for the Array in case of stand-by status of the rings. A Slipspace portal was discovered on Earth in 2552 that directly led to the Ark. <small>{Halo3}</small></p>
<p>Asteroid K7-49 <small>{GoO:p83}</small> Constellation:</p>				<p>Covenant shipyard located 17 light years beyond the UNSC frontier. Discovered by a telemetry probe attached to a Covenant frigate by the ONI prowler <i>Razor's Edge</i>. Dozens of Covenant ships were observed under construction. <small>{GoO:p83}</small></p> <p>Asteroid K7-49 was two weeks Slipspace travel to the UNSC border. <small>{GoO:p88}</small></p>
<p>Atlas <small>{FS:p179}</small> Constellation:</p>				<p>The Siege of the Atlas Moons was fought here by Vice Admiral Danforth Whitcomb. Planet Atlas has more than one moon. <small>{FS:p179}</small></p>
<p>Balaho, (Tala IV) <small>{CH:p306}</small> <small>{Bestiarum}</small> Constellation:</p>	<p>(Tala)</p>			<p>Unggoy (Grunt) homeworld. <small>{TF:p60}</small> <small>{Bestiarum}</small></p> <p>Satellites: Buwan and Padpad. <small>{Bestiarum}</small></p> <p>Gravity: 0.709G (approx.)</p> <p>Atmosphere: 5.7atm (CO₂, CH₄, He)</p> <p>Surface Temperature: -33°C to -5°C</p>

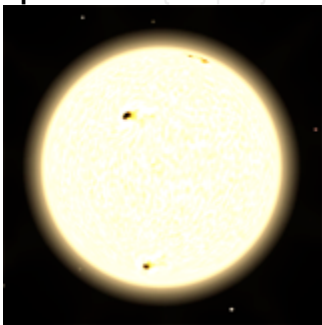
				<p>Population: 320 million Societal Approximation: Pack; Matriarchal Government: Tribal; Religious hegemony client</p> <p>Planet contains many swamps, marshy estuaries, and naturally occurring pillars of fire. Grunts live in reedy huts. Ancestral fish pond. {TF:p60}</p> <p>Mud wasps and shade crabs were local fauna. Grunts would hunt them in their game of "Hunting Rock". {CH:p90}</p> <p>Sea-going predatory zap-jellies, which emitted their own faint light, filled the brackish seas of the Grunt's homeworld. Likened to Covenant Engineers. {CH:p186}</p>
Ballast {Bungie} {H3MP}				<p>Colony that saw military action in 2550-51. A UNSC soldier was injured by a 'friendly' M9 grenade at 90m, when the effective casualty range of the M9 is typically about 15m. {Bungie}</p> <p>Ballast is a scheduled destination from Earth's orbital elevator <i>Quito</i> Station. {H3MP}</p>
<p>Beta Centauri</p>  <p>Constellation: Centaurus</p>	Beta Centauri (Agena), (Hadar)	525 LY	<p>14h:03m:49.4s -60° 22' 23"</p> <p>(210 deg -60 deg)</p>	<p>Diameter: 23,254,700km (16.73R*) Spectral Class: B1 III Surface Temp.: 25,400K</p>
Beta Centauri Colony {TFoR:p83} Constellation: Centaurus	Beta Centauri	525 LY	<p>14h:03m:49.4s -60° 22' 23"</p> <p>(210 deg -60 deg)</p>	<p>UNSC colony.</p> <p>Colony export is a good vintage of champagne. {TFoR:p83}</p>
Bhuj {TCP:p76}				<p>UNSC colony where Spartan-II Jai was born. Lived in an orphanage there. {TCP:p76}</p>
Biko {GoQ:p70}				<p>UNSC colony world glassed by</p>

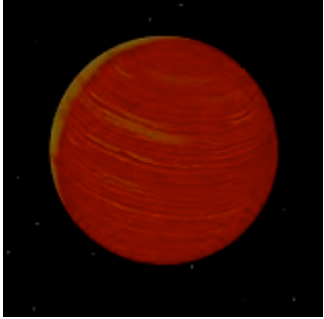



Constellation:				the Covenant around 2525–2530. Some of the orphaned children survivors are taken by ONI for use in the Spartan-III program in late 2531. (GoO:p70)
Black Hole (TFoR:p234) Constellation:				Black hole located 40,000 light years from the Sigma Octanus system. (TFoR:p234)
Bliss (HWG:p27) Constellation:				Planetary geological survey indicated alien engineered structures on the surface indicating a hierarchical intelligence. Referenced as part of a lecture on xenobiology by Professor Ellen Anders in 2531. (HWG:p27)
Bonanza Asteroid Belt (GoO:p81) Constellation:	Bonanza			Spartan-III Alpha Company fought here within nine months of their operational status. This occurred prior to 2537. (GoO:p81)
Charybdis IX (TF:p198) (H3MP) Constellation:	(Charybdis)			UNSC Inner Colony. (TCP:p106) Capital city: Scyllion. (TCP:p102) Charybdis IX is a scheduled destination from Earth's orbital elevator <i>Quito</i> Station. (H3MP) Chaybdis system had sensor stations at the system's edge. (TCP:p136) Planet with riots in which Jacob Keyes kills another human being for the first time. (TF:p198)
Chi Ceti  Constellation: Cetus	Chi Ceti	77 LY	01h:49m:35.1s -10° 41' 11"	Diameter: 2,529,800km (1.82R*) Spectral Class: F3 III Surface Temp.: 6,740K
Chi Ceti IV (Damascus) (TFoR:p102) Constellation: Cetus	Chi Ceti	77 LY	01h:49m:35.1s -10° 41' 11"	UNSC Damascus Materials Testing Facility. Yellow star on the edge of UNSC-controlled space. (TFoR:p102) The system

				<p>is not generally known. Distant red nebula visible from the system.</p> <p>The Mjolnir/EOD variant was created at UNSC Damascus Materials Testing Facility facility on Chi Ceti 4.</p>
<p>Circumstance {CH:p62} Constellation:</p>				<p>Colony known for its universities and courts of justice. {CH:p62}</p>
<p>Coral {CFTU} Constellation:</p>				<p>Contains a Forerunner structure discovered by an archeological team. ONI agents aided a UNSC science team dig. {CFTU}</p>
<p>Côte D' Azure {HWG:p27} Constellation:</p>				<p>Planetary geological survey indicated alien engineered structures on the surface indicating a hierarchical intelligence.</p> <p>Referenced as part of a lecture on xenobiology by Professor Ellen Anders in 2531. {HWG:p27}</p>
<p>?? Cygni Constellation: Cygnus</p>	?? Cygni			<p>Diameter: km (R*) Spectral Class: Surface Temp.:</p> <p>Contains two habitable planets, Cygnus and New Jerusalem. {CH:p69}</p>
<p>Cygnus (?? Cygni ??) {CH:p61} Constellation: Cygnus</p>	?? Cygni			<p>Outer Colony. Insurrection hadn't flared out in this colony, despite its colonists being united by a shared creed and ethnicity. {CH:p61}</p>
<p>Decided Heart (??) Constellation:</p>				<p>Elite base world. {HWG:p37}</p> <p>Elite Ripa 'Moramee was apprehended after a failed coup on his Clan Leader. He was sent to a maximum security penitentiary, the Weeping Shadows of Sorrow for a year's incarceration prior to a slow execution.</p>
<p>DM-3-1123 b {Halo3} Constellation:</p>				<p>The Forerunner Librarian observed local naval forces engage a Flood naval group near this world. The Flood consisted of 149 commercial shipping vessels, passenger ferries, and private recreational vehicles from a neighboring system. Enemy losses were total. No damage</p>


				was sustained by local naval vessels. It was immediately apparent that the enemy group sought only to enter DM-3-1123 b's atmosphere and make landfall. In this they were partially successful. (Halo3)
Draco III (TFoR:p184) Constellation: Draconus	(Draco)			UNSC colony. Covenant kills all prisoners on this colony world. (TFoR:p184) Spartans arrived in orbit too late to save the colony. Colony destroyed.
Dwarka (TCP:p23) Constellation:				UNSC Outer Colony. (TCP:p23) Jacob Keyes' sister presumed deceased when the Covenant attacked that world and communication from Dwarka went silent. Too far out for the UNSC to respond to the crisis. (TCP:p23)
Ectanus 45 (TCP:p21)	Ectanus 45			
Chi Rho (Ectanus 45 ??) Constellation:	Ectanus 45			Satellite: Diameter: [<Earth]km (TCP:p26) Gravity: Atmosphere: Surface Temperature: Population: [>100,000,000] (TCP:p26) Societal Approximation: Government: UNSC Inner Colony. (TCP:p26) Primarily served as a facility for drydocking and repairs to UNSC ships. Support world for the front line. (TCP:p26) Earthlike surface. Featured a primary continent where most of the population resided. (TCP:p26) Fauna included green and blue birds. (TCP:p28)
Emerald Cove (FS:p220) Constellation:				Abandoned UNSC colony world. Spartan IIs trained in underwater tactics on this world before it was abandoned in 2542. (FS:p220)
Epsilon Eridani	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7" (53.2 deg	Diameter: 1,181,500km (0.85R*) Spectral Class: K2 V Surface Temp.: 4,900K

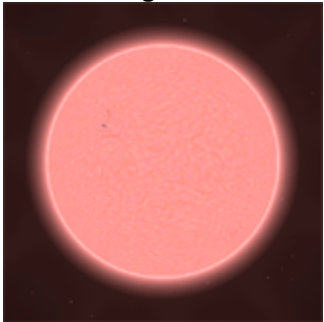
 <p>Constellation: Eridanus</p>			-9.5 deg)	
<p>Epsilon Eridani I Constellation: Eridanus</p>	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7"	
<p>Epsilon Eridani II (Reach) (TFoR:p217)(Halo2) (Bestiarum)</p>   <p>Constellation: Eridanus</p>	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7"	<p>(53.2 deg -9.5 deg)</p> <p>Satellite: Ehilend Gravity: 1.01G (approx.) Atmosphere: 1atm (N₂, O₂) Surface Temperature: -18°C to 38°C Population: 0 (Glassed by Covenant, 2552) Societal Approximation: Mixed/Democratic/Religious Government: Emergency Military</p> <p>Reach Military Complex, UNSC Base, FLEETCOM HQ, Reach Military Wilderness Training Preserve. Camp Hathcock with Pinon pine and sage. (TFoR:p217) Big Horn River. Longhorn Valley. (FS:p27) Highland Forest. (TFoR:p216) Menachite Mountain. Highland Mountains are primarily granite. (TFoR:p229) All on the planet's northern continent. (TFoR:p216) 20 MAC guns in orbit of the planet, with their fusion generators buried deep within Reach. (TFoR:p217) Typically 100–150 ships in orbit at any given time.</p> <p>Reach has at least one moon, Ehilend. (FS:p140) (Bestiarum)</p> <p>Reach initially colonized for its rich titanium deposits. (TFoR:p70)</p> <p>Strategic UNSC Headquarters.</p>

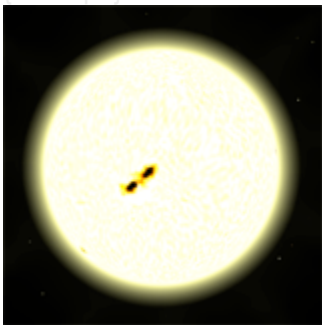

				<p>Largest shipbuilding facility. <small>{TFoR:p139}</small> <small>{TFoR:p289}</small> Destroyed by the Covenant in September, 2552.</p> <p>Epsilon Eridani's Oort cloud is 8 light hours away from Reach. <small>{FS:p192}</small> System not far from the Jerico and Tantalus systems. <small>{TFoR:p289}</small></p> <p>The UNSC presence on Reach is in the upper latitudes. <small>{FS:p122}</small></p>
Epsilon Eridani II-1 (Ehilend) <small>{FS:p140}</small> <small>{Bestiarum}</small>	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7" (53.2 deg -9.5 deg)	Solitary moon orbiting Reach. <small>{FS:p140}</small> <small>{Bestiarum}</small>
Epsilon Eridani III (Beta Gabriel) <small>{TFoR:p323}</small> Constellation: Eridanus	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7" (53.2 deg -9.5 deg)	Planet 14 million km from Reach. <small>{TFoR:p323}</small>
Epsilon Eridani ?? (Tribute) <small>{CH:p9}</small> Constellation: Eridanus	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7" (53.2 deg -9.5 deg)	<p>UNSC colony world. Capital city is Casbah. <small>{CH:p14}</small> Mainly contained struggling industrial settlements. <small>{CH:p9}</small> Jim Dandy roadside diner. <small>{CH:p14}</small></p> <p>Staff Sergeant Johnson was part of a Marine raid on an Insurrectionist bomb-making plant on June 16, 2524 under Operation: TREBUCHET. <small>{CH:p9}</small></p>
Epsilon Eridani RSO Fermion <small>{TFoR:p285}</small> Constellation: Eridanus	Epsilon Eridani	10.5 LY	03h:32m:55.84s -09° 27' 29.7" (53.2 deg -9.5 deg)	A UNSC Remote Sensing Outpost located one light second from the edge of the Epsilon Eridani system. <small>{TFoR:p285}</small>
Epsilon Indi <small>{CH:p23}</small>  Constellation: Indus	Epsilon Indi	11.83 LY	22h:03m:21.66s -56° 47' 09.5"	<p>Diameter: ??km (0.89R*) Spectral Class: K5 V Surface Temp.: 4,350K</p> <p>System characteristics:</p> <ul style="list-style-type: none"> Planets in system: 5 (1 habitable) <small>{CH:p80}</small> (Conflicts with 3; <small>{TFoR:p95}</small>) Asteroid belt <small>{CH:p92}</small> <p>Amber-colored sun. <small>{CH:p32}</small> <small>{CH:p329}</small></p>
Epsilon Indi Ba	Epsilon Indi	11.83 LY	22h:03m:21.66s -56° 47' 09.5"	Diameter: ??km (0.0091R*) Spectral Class: T1V

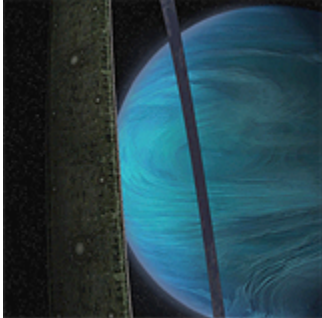

 <p>Constellation: Indus</p>				<p>Surface Temp.: 1,280K</p> <p>Brown dwarf 1,500AU from Epsilon Indi</p>
<p>Epsilon Indi Bb</p>  <p>Constellation: Indus</p>	Epsilon Indi	11.83 LY	22h:03m:21.66s -56° 47' 09.5"	<p>Diameter: ??km (0.0096R*)</p> <p>Spectral Class: T6V</p> <p>Surface Temp.: 850K</p> <p>Brown dwarf 2.1AU from Epsilon Indi Ba.</p>
<p>Epsilon Indi ?? (Harvest) (TFoR:p95) (CH:p23)</p>   <p>Constellation: Indus</p>	Epsilon Indi (CH:p23)	11.83 LY	22h:03m:21.66s -56° 47' 09.5"	<p>Diameter: ~4,000km (CH:p33)</p> <p>Gravity:</p> <p>Atmosphere:</p> <p>Surface Temperature:</p> <p>Orbital Velocity: 150,000km/h (CH:p102) (faster than most UNSC worlds)</p> <p>Population: 0 (Glassed by Covenant)</p> <p>Societal Approximation:</p> <p>Government:</p> <p>Satellites: 0 (CH:p80)</p> <p>Only one planet in the system was habitable. (CH:p32)</p> <p>One large continent with land more abundant than sea. (CH:p64) Harvest had a deep blue aurora thermosphere. (CH:p65)</p> <p>Population in 2502: ~50,000–60,000 (CH:p76)</p> <p>Population in 2524: ~300,000 (CH:p76)</p> <p>(Conflicts with 3 million (CH:p95) (TfoR:p96))</p> <p>Harvest's capital city is Utgard. It</p>

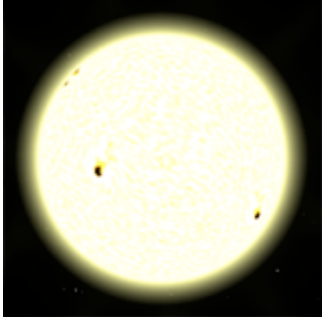
			<p>is on the equator and is the geostationary terminus of the orbiting station <i>Tiara</i>. {CH:p73}</p> <p>Harvest is on the periphery of UNSC-controlled space. {TFoR:p95}</p> <p>Harvest was founded in 2468, becoming the 17th colony of the UNSC. {CH:p32} Harvest's colonists primarily came from the old USA region on Earth. {CH:p30} The soil is remarkably fertile and within 20 years of its founding, it has the highest per capita agricultural production of any colony. It exported food to 6 other colonies. {CH:p33}</p> <p>First colony world destroyed by the Covenant Hegemony.</p> <p>Station in orbit called the <i>Tiara</i> was the terminus for seven tethers from the surface. There was an AI of shipping operations on the <i>Tiara</i> named Sif. {CH:p28} The <i>Tiara</i> was built between 2502 and 2524. {CH:p65}</p> <p>Fort Newton is a city on Harvest. Location of the Ft. Newton Armory. {HGN:p122}</p> <p>During the Covenant attack on Harvest, about one in six transports carrying survivors made it off-planet alive. {GoO:p72}</p> <p>Orbital platforms in orbit of Harvest.</p> <p>Deciphering of intelligence from Covenant activity on Harvest by a UNSC AI indicated the planet was considered a "Treasure World" by the Covenant. {HWG:p30}</p>
<p>Eridanus II; Eridanus Secundus {TFoR:p14} Constellation: Eridanus</p>	<p>(Eridanus) Mistakenly Epsilon Eridani {TFoR:p81}</p>		<p>Elysium City, Eridanus II Space Dock, Luxor spaceport. Primary Education Facility No. 119. On the border of the Outer Colonies. {TFoR:p14} Orange star. {TFoR:p17} System of 12</p>

				<p>planets. <small>{TFoR:p75}</small> Asteroid belt with more than a 1 billion km circumference. Eridanus II is a climate-controlled planet. <small>{TFoR:p17, 21, 22}</small></p> <p>Eridanus II was glassed by the Covenant in 2530.</p> <p>Two nearby star systems were uninhabited. <small>{FS:p240}</small></p> <p>Children on Eridanus II played gravball on repulsor courts <small>{TFoR:p21}</small></p>
<p>Eridanus III <small>{TFoR:p17}</small> Constellation: Eridanus</p>	(Eridanus)			<p>Gas giant planet. <small>{TFoR:p17}</small> Planet nearest the system's asteroid belt. <small>{FS:p260}</small></p>
<p>Eridanus Station Jefferson (Rebel Asteroid) <small>{GoO:p36}</small> Constellation: Eridanus</p>	(Eridanus)			<p>The asteroid is a typical ferrous oxide composite. It's reinforced with a layer of Titanium-A armor. There are a few sections with ablative undercoats that reflect radar. <small>{FS:p257}</small></p> <p>It is a 2km diameter asteroid, 1.05AU from the Eridanus star. More than 1 billion objects comprise the asteroid field. <small>{FS:p251}</small></p>
<p>Far Isle Colony <small>{GoO:p183}</small> Constellation:</p>				<p>Planet nuked from orbit by the UNSC in 2492 to put down the rebellion on Far Isle Colony. <small>{GoO:p183}</small></p>
<p>Far-gone <small>{GoO:p81}</small> Constellation:</p>				<p>Engagement at the Far-gone Colony Platforms fought by Spartan-III Alpha Company members prior to 2537. <small>{GoO:p81}</small></p>
<p>Forerunner Planet <small>{Halo3}</small>  Constellation:</p>	UNKNOWN			<p>Unknown planet in an unknown system. From orbit, distinct Forerunner iconography is visible on the surface. The engineering section of the UNSC frigate <i>Forward Unto Dawn</i> had drifted into the system, having been lost in transit from the <i>Ark</i> to Earth.</p>
<p>Fort York <small>{TFoR:p283}</small> Constellation:</p>				<p>UNSC colony.</p> <p>On the edge of the Inner Colonies. <small>{TFoR:p283}</small></p>

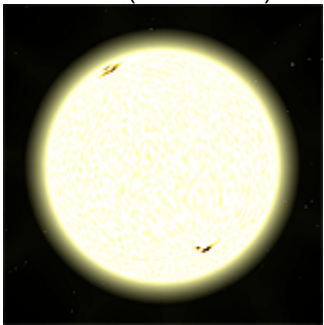
<p>G617 VII Constellation:</p>	<p>G617</p>	<p>UNKNOWN</p>		<p>Flood first contact world in Milky Way galaxy.</p> <p>Satellites: G617 g 1</p> <p>Gravity: 1.375G (approx.) Atmosphere: 0.9atm (N₂, O₂, Ar) Surface Temperature: -25°C to 41°C Population: UNKNOWN Societal Approximation: [Utopian Socialism?] Government: N/A</p> <p>The Flood is suspected to be extragalactic in origin. Exact location UNKNOWN.</p>
<p>Gilgamesh {TFoR:p267} {H3MP} Constellation:</p>				<p>UNSC colony world.</p> <p>Contains a brothel. {TFoR:p267}</p> <p>Gilgamesh is a scheduled destination from Earth's orbital elevator <i>Quito</i> Station. {H3MP}</p>
<p>Green Hills {HWG:p5}</p>				<p>Colony glassed by Covenant early in the war. Along with colony Second Base, amounts to 2 million dead. {HWG:p5}</p>
<p>Groombridge 34</p>  <p>Constellation: Andromeda</p>	<p>Groombridge 34</p>	<p>11.6 LY</p>	<p>00h:18m:22.89s +44° 01' 22.63"</p>	<p>Diameter: 528,200km (0.38R_*) Spectral Class: M1 V Surface Temp.: 3,720K</p>
<p>Groombridge 34 Station Delphi Shipyard (decommissioned) {GoO:p49} Constellation: Andromeda</p>	<p>Groombridge 34 {GoO:p49}</p>	<p>11.6 LY</p>	<p>00h:18m:22.89s +44° 01' 22.63"</p>	<p>Binary system of red stars. {GoO:p51} The stars are both variable red dwarf stars designated Groombridge 34 A (GX Andromedae) and Groombridge 34 B (GQ Andromedae). {Fact}</p> <p>System has at least one planet with an icy moon with no atmosphere. {GoO:p51} It was the site of ship construction platform 966A, decommissioned in 2528. An inert COM satellite is</p>

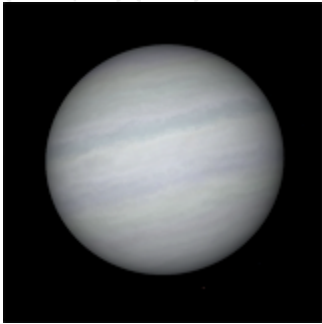
				<p>on the moon's far side. <small>{GoO:p50}</small></p> <p>Platform 966A was part of the shipyard there unofficially called <i>Station Delphi</i>. <small>{GoO:p51}</small></p> <p>A partially built UNSC ship was left there since the decommissioning; a ship as large as a UNSC destroyer and three times the size of a prowler. <small>{GoO:p52}</small></p>
<p>Groombridge-1830 <small>{HWG:p6}</small></p>  <p>Constellation: Ursa Major <small>{Fact}</small></p>	Groombridge-1830 <small>{Fact}</small>	29.7 LY <small>{Fact}</small>	11h:52m:58.8s +37° 43' 07"	<p>Diameter: ??km (0.64R*) <small>{Fact}</small></p> <p>Spectral Class: G8 Vlp <small>{Fact}</small></p> <p>Surface Temp.: 5,030K <small>{Fact}</small></p>
<p>Groombridge-1830 ?? <small>{HWG:p6}</small></p> <p>Constellation: Ursa Major</p>	Groombridge-1830 <small>{Fact}</small>	29.7LY	11h:52m:58.8s +37° 43' 07"	<p>An injured Elite is captured by Admiral Cole's fleet December 24, 2530. The "Battle of the Great Bear" leading to the victory cost the UNSC 11 of 17 ships, though it destroyed two Covenant ships and forced the third to crash land on a planet in the system. <small>{HWG:p6}</small></p>
<p>Halo, Alpha <small>{Halo1, Halo2}</small> Installation 04</p>  <p>Constellation:</p>	Soell <small>{Bungie}</small>			<p>Forerunner ringworld artifact, also known as Installation 04, or Alpha Halo, 10,000km in diameter. <small>{TF:p13}</small> Located at a LaGrange Point between the gas giant planet Threshold, and Threshold's moon Basis in the Soell star system. <small>{TF:p13}</small></p> <p><small>{Bungie}</small> Halo has an oxygen-nitrogen atmosphere and Earth-normal gravity. A gravity field keeps the atmosphere in and controls the ring's spin. <small>{TF:p14}</small></p> <p>The ring is on a 24° axial tilt and has an unusual day/night cycle due to Threshold's orbit. <small>{Sybex:p64}</small> Alpha Halo was destroyed: September 22, 2552.</p>

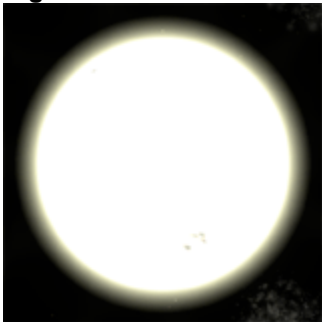
				{TF.p340}
Halo, Bravo Constellation:				
Halo, Charlie Constellation:				
Halo, Delta {Halo2} Installation 05 				Forerunner ringworld artifact, also known as Installation 05, or Delta Halo. In orbit of a large blue gas giant planet called Substance. Forerunner Fortress World. {Halo2}
Constellation:				
Halo, Echo Constellation:				
Halo, Foxtrot Constellation:				
Halo, Golf Constellation:				
Hawking {FS.p198} Constellation:	(Hawking)			Used by the Covenant to reshuffle craft prior to their jump to Earth. Three dozen Covenant carriers were in system prior to the Covenant's impending operation at Sol. {FS.p198}
High Charity {FS.p338} {Halo2} 	N/A	N/A	N/A	Homeworld of the Covenant Hegemony. {FS.p338} Holy City: "High Charity". Massive artificial bulbous planetoid. High Charity is a mobile base.
Constellation: N/A				
Hydra Constellation:	(Hydra) Alpha Hydri?	71 LY	01h:58m:46.19s -61° 34' 11.5"	Known for pirate and rebel activity resulting in the Hydra


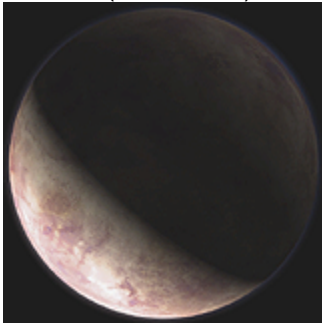
				System Massacres.
Jerico <small>{TFoR:p289}</small> Constellation:	(Jerico)			System not far from Tantalus and Reach systems. <small>{TFoR:p289}</small>
Lambda Serpentis (Jericho)  Constellation: Serpens	Lambda Serpentis (Jericho)	38 LY	15h:46m:26.6s +07° 21' 11" (236.6 deg 7.35 deg)	Diameter: 1,848,700km (1.33R*) Spectral Class: G0 V Surface Temp.: 6,030K
Lambda Serpentis VII (Jericho VII) <small>{TFoR:p1}</small> Constellation: Serpens	Lambda Serpentis (Jericho) <small>{TFoR:p1}</small>	38 LY	15h:46m:26.6s +07° 21' 11" (236.6 deg 7.35 deg)	Emerald seas. <small>{TFoR:p6}</small> Two reddish suns. Four silver moons. <small>{TFoR:p8}</small> Covenant used this system to gather the tritium gas they need for their Slipspace reactors. <small>{FS:p198}</small> They glassed the planet February 12, 2535. <small>{TFoR:p8}</small>
LP-656-38 e <small>{Halo3}</small> Constellation:				Planet invaded by the Flood pre-activation over 100,000 years ago. <small>{Halo3}</small> At the time the attack was observed by a Forerunner known as the Librarian, 9,045 survivors were barricaded within the central government building. The structure's defenses were inadequate to withstand an extended siege by the Flood, thought to number more than 1.5 billion. <small>{Halo3}</small>
Mamore <small>{GoO:p81}</small> Constellation:				Insurrection fought here and won by members of the Spartan-III Alpha Company. <small>{GoO:p81}</small>
Mariposa <small>{HGN:p86}</small> Constellation:				Human colony. Ringed planet. The UNSC 6th Battle Group fought the Covenant. <small>{HGN:p86}</small>
Miradem <small>{GoO:p173}</small> Constellation:				Location of the Battle of Miradem. Spartan-II soldier 'Sheila' was officially MIA during this battle, but unofficially, Dr. Catherine Halsey knows she was actually killed. <small>{GoO:p173}</small>
Napret III (Palamok) <small>{Bestiarum}</small> Constellation:	Napret <small>{Bestiarum}</small>			Yanme'e (Drone) homeworld. <small>{Bestiarum}</small>


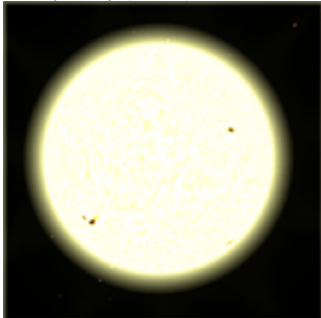
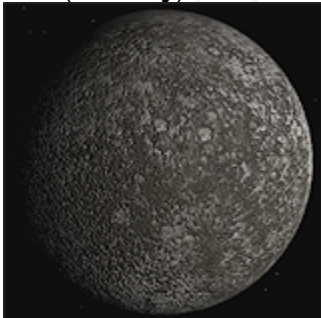

				<p>Satellites: Naxook, Oqui, Ka'amoti, Kami <small>{Bestiarum}</small></p> <p>Gravity: 2G (approx.) Atmosphere: 0.09atm (CO₂, O₂, Ar) Surface Temperature: 29°C to 42°C Population: UNKNOWN Societal Approximation: Hive Government: Monarchy/Religious hegemony client</p>
<p>New Constantinople <small>{FS:p179} {GoO:p81}</small> Constellation:</p>				<p>Battle for New Constantinople was fought here by Vice Admiral Danforth Whitcomb. <small>{FS:p179}</small></p> <p>Spartan-III Alpha Company was involved within nine months of their operational status. This occurred prior to 2537. <small>{GoO:p81}</small></p>
<p>New Harmony <small>{GoO:p83}</small> Constellation:</p>				<p>UNSC colony. Site of the Battle of New Harmony, a Covenant engagement that led UNSC forces to discover the Covenant shipyard asteroid K7-49. <small>{GoO:p83}</small></p>
<p>New Jerusalem <small>{CH:p69}</small> Contellation: Cygnus</p>				<p>Outer colony. One of two colonized worlds in the Cygnus system. <small>{CH:p69}</small></p> <p>Birthplace of ONI agent Jilan al-Cygni. <small>{CH:p69}</small></p>
<p>Oth Sonin III (Doisac) <small>{Bestiarum}</small> Constellation:</p>	<p>(Oth Sonin) <small>{Bestiarum}</small></p>			<p>Jiralhanae (Brute) Homeworld. <small>{Bestiarum}</small></p> <p>Satellite(s): Warial, Soirapt, Teash Gravity: 2.1 G (approx.) Atmosphere: 1.3 atm (N₂, O₂, Ar) Surface Temperature: -15°C to 52°C Population: 12.5 billion (estimated) Societal Approximation: Pack/Alpha oriented/Warlike/Patriarchal Government: Feudal subdictatorships/Religious hegemony client.</p> <p>Native fauna is the Thorn Beast. Brutes consume it roasted as a trial of strength; there are neurotoxins in a Thorn Beast's head and neck. <small>{CH:p195}</small></p>

Paris IV <small>{FS:p243}</small> Constellation:	(Paris)			The Siege of Paris IV took place in 2549. Sgt. Avery Johnson received a Commendation for Bravery during the mission. <small>{FS:p243}</small>
[Prophet Homeworld] Constellation:	UNKNOWN (star went nova 3,200 years ago.) <small>{Bestiarum}</small>			San 'Shyuum (Prophet) homeworld. <small>{Bestiarum}</small> Satellites: UNKNOWN Gravity: UNKNOWN Atmosphere: UNKNOWN Surface Temperature: UNKNOWN Population: 500 million (at reseeded), 23,831,346 <small>{CH:p262}</small> (2552, Earth calendar), <1000 (after infection/destruction of <i>High Charity</i>) Societal Approximation: Theocracy Government: Religious hegemony
23 Librae (HD134987)  Constellation: Libra	23 Librae	83 LY	15h:13m:28s -25° 18' 33"	Diameter: km (1.25R*) Spectral Class: G5 V Surface Temp.: 5,700K
Madrigal (23 Librae ?) Constellation: Libra	23 Librae	83 LY	15h:13m:28s -25° 18' 33"	UNSC Outer Colony world. <small>{TCP:p13}</small> Satellites: Gravity: Atmosphere: Surface Temperature: Population: Societal Approximation: Government: Insurrectionist The nearest colony to Harvest. A Slipspace shipping lane existed between the two. It is within this lane between the colonies that the first contact between an automated freighter <i>Horn of Plenty</i> and the Covenant occurred. <small>{CH:p24}</small>

				<p>Madrigal was the only planet in the 23 Librae system within the system's habitable zone. <small>{TCP:p155}</small></p> <p>Glassed by Covenant in 2528, just three years after nearby Harvest. <small>{TCP:p13} {TCP:p72}</small></p>
<p>Hesiod (23 Librae b) <small>{TCP:p11} {Fact}</small></p>  <p>Constellation: Libra</p>	23 Librae	83LY	15h:13m:28s -25° 18' 33"	<p>Radius: 70,000km</p> <p>Only gas giant in the system. <small>{TCP:p158}</small></p>
<p>Rubble, The <small>{TCP:p11}</small></p> <p>Constellation: Libra</p>	23 Librae <small>{TCP:p11}</small>	83LY	15h:13m:28s -25° 18' 33"	<p>Group of hundreds of habitable asteroids connected by flexible docking tubes enclosing maglev tracks at a trailing Trojan orbit of the gas giant Hesiod in the 23 Librae system. <small>{TCP:p14} {TCP:p45} {TCP:p46} {TCP:p62} {TCP:p168}</small></p> <p>Guidance rockets on the asteroids deflected asteroid debris from damaging the docking tubes. <small>{TCP:p168}</small></p> <p>The Rubble's communications were almost all hard-lined...almost no signal leakage. <small>{TCP:p175}</small></p> <p>It was a refugee colony from the survivors of Madrigal. <small>{TCP:p11}</small></p> <p>In the event of an emergency, an asteroid was secretly prepared with Slipspace drive. The asteroid got its name Exodus from the planned evacuation of Rubble residents. <small>{TCP:p118}</small></p>
<p>Salia <small>{GoO:p236}</small></p> <p>Constellation:</p>	(Salia)			<p>Diameter: ??km (??R*)</p> <p>Spectral Class: ??</p> <p>Surface Temp.: ??K</p>
Salia ?? (Joyous)	(Salia)			Elite outpost world in the Salia

<p>Exultation {GoO:p236} Constellation:</p>				<p>system. Commanding the base is Imperial Admiral Xytan 'Jar Wattinree. {GoO:p236}</p> <p>One tiny moon, Malheim. {GoO:p245}</p> <p>A UNSC NOVA bomb explosion on November 3, 2552 caused the utter destruction of a fleet of ships, the destruction of Malheim, and laid waste half the surface of the Joyous Exultation. {GoO:p245}</p>
<p>Salia ??-1 (Malheim) {GoO:p245} Constellation:</p>				<p>Tiny moon of the Covenant planet Joyous Exultation. {GoO:p245}</p>
<p>Second Base {HWG:p5}</p>				<p>Colony glassed by the Covenant early in the war. Along with colony Green Hills, amounts to 2 million dead. {HWG:p5}</p>
<p>Sigma Octanus  Constellation: Octans</p>	Sigma Octanus	270 LY	21h 08m 46.8s -88° 57' 23"	<p>Diameter: 5,504,400km (3.96R*) Spectral Class: F0 III Surface Temp.: 7,200K</p>
<p>Sigma Octanus IV {TFoR:p156} Constellation: Octans</p>	Sigma Octanus	270 LY	21h 08m 46.8s -88° 57' 23"	<p>UNSC colony world. Not strategically positioned and no remarkable resources. {TFoR:p156} Coastal city Côte d' Azur. Skyscrapers in city. {TFoR:p209} Alpha HQ was at Côte d' Azur and Firebase Bravo was 3km from the city. {TFoR:p168} {TFoR:p172} Côte d' Azur Museum of Natural History. {TFoR:p184} Sigma Octanus COM. Population of 17 million. {TFoR:p144} One moon. {TFoR:p188} Marine Alpha HQ; 13km from the Côte d' Azur. {TFoR:p177} The fallback rendezvous point for Spartan retrieval was located 50km south of Camp Alpha. {TFoR:p178} Referred to derogatorily as a</p>


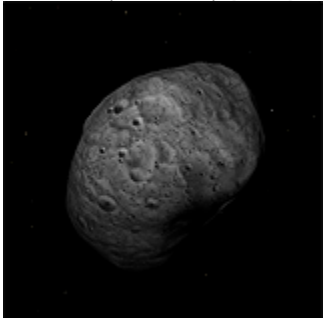
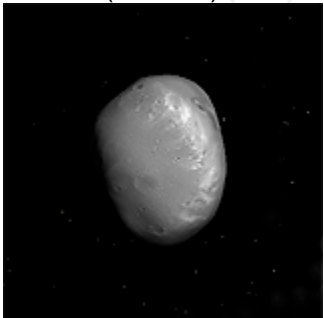
				<p>"swamp ball" by UNSC Marine forces stationed there due to frequent rain and a jungle canopy. (TFoR:p165)</p> <p>Estimated that the radiation and debris will be a navigation hazard around the planet for 10 years. (TFoR:p211)</p> <p>Approximately 13 million civilians and 1600 Marines killed during Covenant attack. (TFoR:p212)</p>
<p>Sigma Octanus Outpost Archimedes (TFoR:p133) Constellation: Octans</p>	Sigma Octanus	270 LY	21h 08m 46.8s -88° 57' 23"	<p>UNSC Remote Scanning Outpost in system. (TFoR:p133) Sigma Octanus is the southern pole star as viewed from Earth. Fourth planet in system is an Earth colony world.</p>
<p>Soell</p>  <p>Constellation:</p>	(Soell)			<p>Diameter: (R*) Spectral Class: G Surface Temp.:</p>
<p>Soell ?? (Threshold)</p>  <p>Constellation:</p>	(Soell)			<p>Earth Survey Catalogue Number: B1008-AG (TF:p12)</p> <p>Massive purple gas giant planet in the Soell system. (TF:p12), (Bungie) Location of Forerunner Halo Installation 04. Diameter: 214,604km. One moon, Basis. (H1GameData) (Halo2)</p> <p>Atmosphere: white ammonia clouds, amber-colored ammonium hydrosulfide clouds, phosphorus compounds, ice crystals. (FS:p79) Forerunner gas mining facilities are located within the upper cloud regions of the planet suspended from a high-altitude suspension grid. A tethered Gas Mine has been repurposed as a Flood containment laboratory. (Halo2)</p> <p>Several other planets are in the system. (FS:p86)</p>




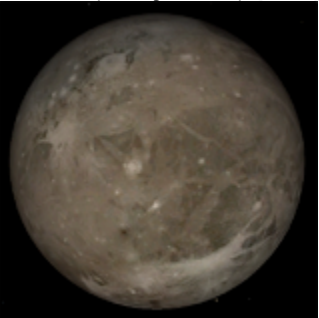
<p>Soell ??-1 (Basis) {H1GameData} {H2MP}</p>  <p>Constellation:</p>	(Soell)			<p>Moon of the gas giant planet Threshold. Diameter: 23,848km. Located with Threshold and Halo 04 around the star Soell.</p> <p>Site of 'Burial Mounds', a makeshift Covenant Heretic camp. It is littered with wreckage from the destruction of Alpha Halo (Installation 04). Heretic encampment area: L= 347.47m (1,140ft), W= 259.08m (850ft), H= 123.34m (404.67ft). {H2MP}{H2GameData }</p>
<p>Sol (Sun) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Diameter: 1,390,000km (1R*) {Fact}</p> <p>Spectral Class: G2 V {Fact}</p> <p>Surface Temp.: 5,860K {Fact}</p>
<p>Sol I (Mercury) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Diameter: 4,878km. {Fact}</p>
<p>Sol II (Venus) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Diameter: 12,104km. {Fact}</p>
<p>Sol III (Earth/Terra) {Fact}</p>	Sol	N/A	N/A	<p>Homeworld of humanity. {Fact}</p>

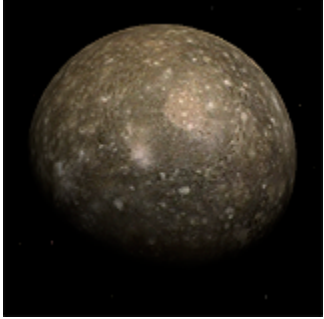

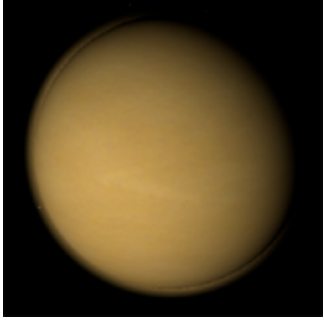
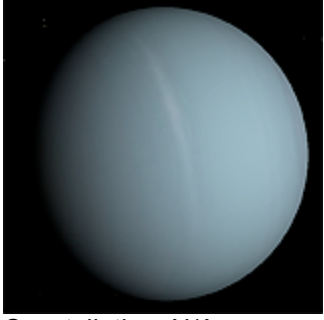


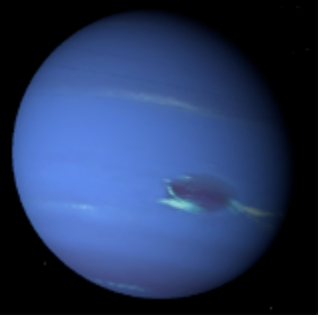
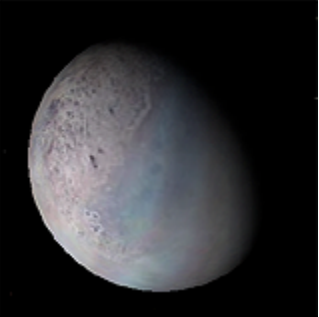
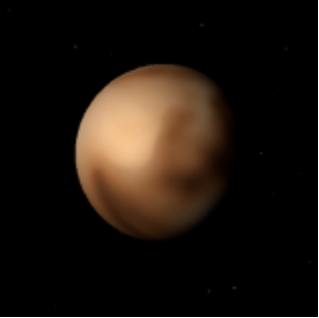
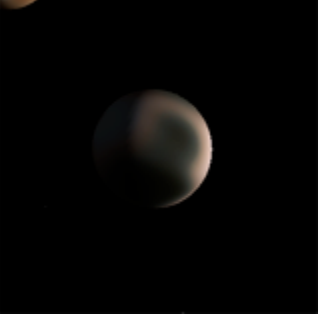
Constellation: N/A

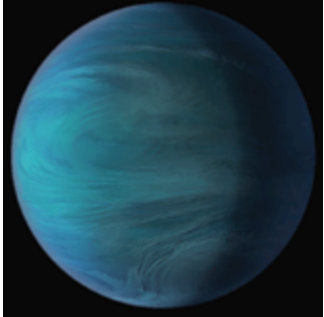
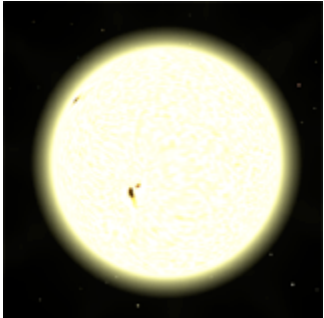
				<p>Diameter: 12,753km <small>{Fact}</small> Satellites: Luna <small>{Fact}</small> Gravity: 1G <small>{Fact}</small> Atmosphere: 1atm (N₂, O₂, Ar) <small>{Fact}</small> Surface Temperature: -20°C to 40°C <small>{Fact}</small> Population: 200 million (2553) Societal Approximation: Mixed/Democratic/Religious Government: Emergency military</p> <p>United Republic of North America (URNA) <small>{Halo3}</small></p> <p>New Mombasa, Kenya, is a city in the East African Protectorate (EAP). It is the first point of invasion of the Covenant at Earth. <small>{Halo2}</small></p> <p>Spartan-IIs from Blue Team thwarted rebel insurgents during an incident in Micronesia in 2531. <small>{GoO:p37}</small></p> <p>Mark VI MJOLNIR Powered Assault Armor/S (Scout variant) was tested at ONI's Ordnance Testing Facility B5D at Swanbourne, Perth, Australia. The Recon variant armor was developed parallel to the Scout variant armor in the B5D Facility.</p>
<p>Sol III-1 (Luna) <small>{Fact}</small></p>	Sol	N/A	N/A	<p>Earth's moon. Diameter: 3,474km. <small>{Fact}</small></p> <p>Location of UNSC shipyard. Location of UNSC Naval Officers Academy. <small>{TFoR:p139}</small></p>
<p>Sol IV (Mars) <small>{Fact}</small></p>	Sol	N/A	N/A	<p>Diameter: 6,785km. <small>{Fact}</small> Satellites: Phobos, Deimos <small>{Fact}</small> Gravity: G Atmosphere: Surface Temperature: Population: Societal Approximation:</p>

 <p>Constellation: N/A</p>				<p>Government:</p> <p>The Delambre Sea area of the northern hemisphere was one of the final battlegrounds during the interplanetary war between the UN and the Frieden forces at the close of the Rainforest Wars. Factions within the Frieden camp began infighting. {TCP:p113}</p> <p>The MJOLNIR VI(m) variant was manufactured in the Misriah Armory Facility on Mars in 2528, 14 years before the Mark VI entered production.</p> <p>City of New Legaspi was the birthplace of Spartan-458, Nicole, in 2531. {DOA4}</p> <p>Col. Ackerson led a band of humans against the Brutes on the fields of Mare Erythraeum in 2552. Ackerson was captured and interrogated on board the Brute cruiser <i>Triumphant Declaration</i>. {Uprising}</p>
<p>Sol IV-1 (Phobos) {Fact}</p>  <p>Constellation: N/A</p>	Sol			Phobos Penal Colony {HWSG:p22}
<p>Sol IV-2 (Deimos) {Fact}</p>  <p>Constellation: N/A</p>	Sol			
<p>Sol V (Jupiter) {Fact}</p>	Sol	N/A	N/A	Gas Giant planet. Diameter:

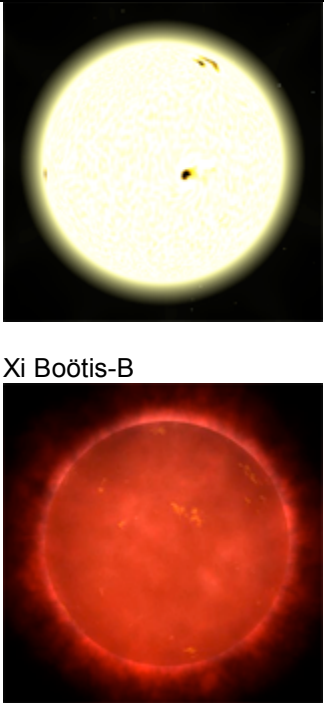
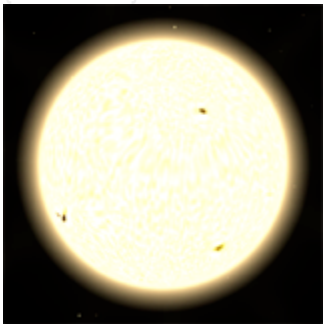
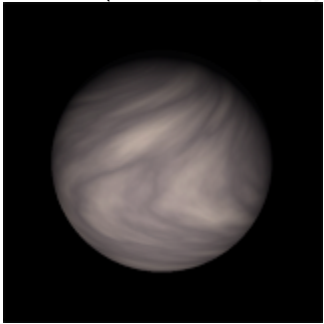
 <p>Constellation: N/A</p>				<p>142,800km. {Fact}</p>
<p>Sol V-5 (Io) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Volcanically active moon of Jupiter. {Fact}</p> <p>Diameter: 3,630km. {Fact}</p> <p>UNSC Listening Post. {Halo2}</p> <p>On Oct. 20, 2552, the listening post on Io detects 15 Covenant ships inbound to Earth under the command of the Prophet of Regret. {Halo2}</p>
<p>Sol V-6 (Europa) {FS:p268} {Fact}</p>  <p>Constellation:</p>	Sol			<p>Moon of Jupiter. {Fact}</p> <p>Diameter: 3,138km. {Fact}</p> <p>Contains a UNSC base. Spartan-IIs Linda and Will were on a mission there once. {FS:p268}</p>
<p>Sol V-7 (Ganymede) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Moon of Jupiter. {Fact}</p> <p>Diameter: 5262km {Fact}</p> <p>Lister, Aigburth is the development and testing facility for the Mjolnir Mk. VI/V EVA variant armor. {Halo3}</p>
<p>Sol V-8 (Callisto) {Fact}</p>	Sol	N/A	N/A	<p>Moon of Jupiter. {Fact}</p>

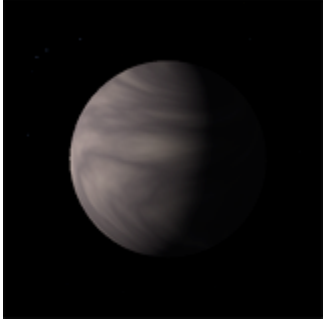
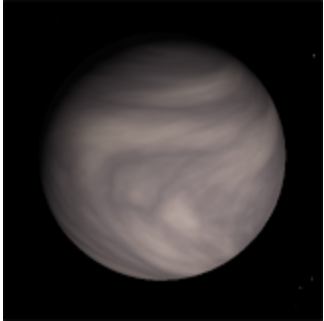
 <p>Constellation: N/A</p>				<p>Diameter: 4,800km. {Fact}</p>
<p>Sol VI (Saturn) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Gas Giant ringed planet in the Sol system. {Fact}</p> <p>Diameter: 119,871km. {Fact}</p>
<p>Sol VI-15 (Titan) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Largest moon of Saturn. {Fact}</p> <p>Diameter: 5,150km. {Fact}</p>
<p>Sol VII (Uranus) {Fact}</p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Gas Giant planet. {Fact}</p> <p>Diameter: 51,488km. {Fact}</p>
<p>Sol VIII (Neptune) {Fact}</p>	Sol	N/A	N/A	<p>Gas Giant planet. {Fact}</p> <p>Diameter: 49,493km. {Fact}</p>

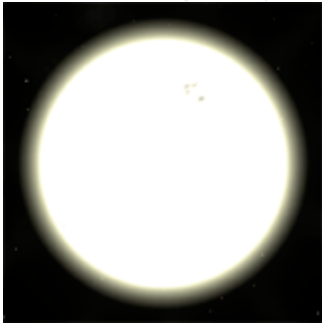
 <p>Constellation: N/A</p>				
<p>Sol VIII-7 (Triton) <small>{Fact}</small></p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Moon of Neptune. <small>{Fact}</small></p> <p>Diameter: 3,800km. <small>{Fact}</small></p>
<p>Sol IX (Pluto) <small>{Fact}</small></p>  <p>Constellation: N/A</p>	Sol	N/A	N/A	<p>Diameter: 2,301km. <small>{Fact}</small></p> <p>Location of the Slipspace monitoring station <i>Democritus</i>. <small>{GoO:p212}</small></p>
<p>Sol IX-1 (Charon)</p>  <p>Constellation: N/A</p>				<p>Diameter: 1,186km. <small>{Fact}</small></p> <p>Satellite of Pluto. <small>{FACT}</small></p>
<p>?? IV (Substance) <small>{H2GameData}</small></p>				<p>Gas giant planet; fourth planet from its star. <small>{GoO:p188}</small></p> <p>Location of the Halo ringworld Delta Halo. <small>{Halo2}</small> There is a</p>

 <p>Constellation:</p>				<p>moon orbiting Substance. {GoO:p199} There is an asteroid belt in the system as well. {GoO:p189}</p>
<p>Svir V (Te) {Bestiarum}</p>	<p>(Svir) {Bestiarum}</p>			<p>Lekgolo (Hunter) Homeworld. {Bestiarum}</p> <p>Satellites: Rantu, Uhtua, 23 smaller natural satellites</p> <p>Gravity: 4G (approx.) Atmosphere: 1.2atm (N₂, He, CH₄) Surface Temperature: -20°C to 95°C Population: 1.980 trillion Societal Approximation: Egalitarian Government: Socialism/Religious hegemony client</p> <p>Rich heavy metal deposits. Rare metals and minerals. {Bestiarum}</p>
<p>Tantalus {TFoR:p289} Constellation:</p>	<p>(Tantalus)</p>			<p>System not far from Reach and Jerico. {TFoR:p289}</p>
<p>Tau Ceti</p>  <p>Constellation: Cetus</p>	<p>Tau Ceti</p>	<p>11.9 LY</p>	<p>01h:44m:04.08s -15° 56' 14.9" (26 deg -16 deg)</p>	<p>Diameter: 1,139,800km (0.82R+) {Fact} Spectral Class: G8 V {Fact} Surface Temp.: 5,570K {Fact}</p> <p>Golden star. {FS:p300}</p>
<p>Tau Ceti {FS:p339} Constellation: Cetus</p>	<p>Tau Ceti</p>	<p>11.9 LY</p>	<p>01h:44m:04.08s -15° 56' 14.9" (26 deg -16 deg)</p>	<p>Ocher-colored planet with sulfur dioxide clouds and an orbiting silvery moon. {FS:p300} Location of the Covenant Command-and-Control Station, <i>Unyielding Hierophant</i>. Station destroyed by UNSC forces September 13, 2552.</p>

<p>Tau Ceti Station Unyielding Hierophant {FS:p301} Constellation: Cetus</p>	<p>Tau Ceti</p>	<p>11.9 LY</p>	<p>01h:44m:04.08s -15° 56' 14.9" (26 deg -16 deg)</p>	<p>Covenant Command-and-Control Station, destroyed by UNSC forces September 13, 2552. {FS:p332}</p> <p>The <i>Unyielding Hierophant's</i> location is between Epsilon Eridani and Earth. {FS:p270} The <i>Unyielding Hierophant's</i> position is slightly more than 35 hours from Earth at UNSC Slipspace speeds. {FS:p333}</p>
<p>Urs</p>	<p>Urs</p>			<p>Primary star of a trinary system.</p>
<p>Urs IV (Sanghelios) {Bestiarum} {TCP:p88} Constellation:</p>	<p>Urs (primary), Fied, Joori (trinary system) {Bestiarum}</p>			<p>Sangheili (Elite) homeworld. {Bestiarum}</p> <p>Satellites: Qikost, Suban {Bestiarum}</p> <p>Gravity: 1.375G (approx.) Atmosphere: 0.9atm (N₂, O₂, Ar) Surface Temperature: -5°C to 96°C Population: 8.135 billion Societal Approximation: Manorialism/Militant/Patriarchal Government: Religious hegemony</p> <p>A top War College is in the Iruiru region of Yermo. {Bungie}</p> <p>The Vadam Keep is in Yermo. {TCP:p88}</p> <p>Kolar Mountain is in Yermo. {TCP:p90}</p> <p>Flora: Kafel Tree (uses includes 4" thick doors) {TCP:p89}</p> <p>Fauna: Doarmir. Doarmir fur was used to make ancestral cloaks. {TCP:p159}</p>
<p>Urs IV-? (Qikost) {Bestiarum}</p>				<p>Massive moon of the Sangheili homeworld. {Bestiarum} {TCP:p89}</p>
<p>Urs IV-? (Suban) {Bestiarum}</p>				<p>Massive moon of the Sangheili homeworld. {Bestiarum} {TCP:p89}</p>
<p>Xi Boötis-A {HWG:p6}</p>	<p>Xi Boötis-A {Fact}</p>	<p>21.8 LY {Fact}</p>	<p>14h 51m 23.4s +19° 06' 02"</p>	<p>Xi Boötis-A: Diameter: ??km (0.49R*) {Fact} Spectral Class: G8 Ve {Fact} Surface Temp.: 5,128K {Fact}</p>

 <p>Xi Boötis-B</p> <p>Constellation: Bootes {Fact}</p>				<p>Xi Boötis-B: Characteristic: Orange dwarf Diameter: ??km (0.061R*) {Fact} Spectral Class: K4 Ve {Fact} Surface Temp.: 3,410K {Fact}</p> <p>Primary star is a main sequence dwarf BY Draconis variable star. The binary companion is an orange dwarf. {Fact}</p> <p>Declared a victory by ONI, 8 Covenant ships are destroyed at the cost of 30 ships from Admiral Cole's fleet of 70 in 2528. {HWG:p6}</p>
 <p>HD 69830 (Y'Deio) {Fact}</p> <p>Constellation: Puppis {Fact}</p>	<p>HD 69830 {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Diameter: 1,237,100km (0.89 R*) {Fact}</p> <p>Spectral Class: K0V {Fact}</p> <p>Surface Temp.: 5,250K {Fact}</p> <p>Orange dwarf star. {Fact}</p> <p>The system contains three Neptune-mass planets. {Fact}</p> <p>There are minor planetoids within the asteroid belt suitable to Jackal habitability. {Bestiarum}</p>
 <p>Y'Deio I (HD 69830b) {Fact}</p> <p>Constellation: Puppis {Fact}</p>	<p>HD 69830 {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Neptune mass planet in the HD 69830 system.</p>
<p>Y'Deio II (HD 69830c) {Fact}</p>	<p>HD 69830 {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Neptune mass planet in the HD 69830 system.</p>

 <p>Constellation: Puppis {Fact}</p>				
<p>Y'Deio Asteroid Belt {Bestiarum} {Fact}</p> <p>Constellation: Puppis {Fact}</p>	<p>HD 69830 {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Massive asteroid belt in system (about 20 times more massive than Sol's belt), between the second and third planets. {Fact}</p>
<p>Y'Deio III (HD 69830d) {Bestiarum} {Fact}</p> <p>(Chu'ot) {Bestiarum}</p>  <p>Constellation: Puppis {Fact}</p>	<p>HD 69830 {Bestiarum} {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Chu'ot is the third planet of the star HD 69830 (Y'Deio). Its primary moon is the homeworld of the Covenant species Kig-Yar (Jackals). {Bestiarum}</p>
<p>Y'Deio III-1 (Eayn) {Bestiarum}</p> <p>Constellation: Puppis {Fact}</p>	<p>HD 69830 {Bestiarum} {Fact}</p>	<p>41 LY {Fact}</p>	<p>08h:18m:23.95s -12° 37' 55.8"</p>	<p>Kig-Yar (Jackal) homeworld. {Bestiarum}</p> <p>Primary satellite of Y'Deio III. {Bestiarum}</p> <p>Gravity: 0.875G (approx.) Atmosphere: 0.9atm (N₂, CO₂, O₂) Surface Temperature: -18°C to 45°C Population: 978 million Societal Approximation: Luck egalitarianism/Ochlocracy Government: Postindustrial capitalism/Religious hegemony client.</p> <p>Single equatorial ocean. Sparse volcanism. Almost total lack of glaciation. {Bestiarum}</p> <p>Tropical archipelagoes. {CH:p93}</p>

<p>Zeta Doradus {TFoR:p238}</p>  <p>Constellation: Dorado</p>	<p>Zeta Doradus</p>	<p>38 LY</p>	<p>05h:05m:30.7s -57° 28' 21.8"</p> <p>(76.4 deg -57.5 deg)</p>	<p>Diameter: 1,459,500km (1.05R*) Spectral Class: F7 V Surface Temp.: 6,280K</p> <p>UNSC cruiser <i>Pillar of Autumn</i> served near Zeta Doradus during a conflict in 2550. {TFoR:p238}</p> <p>Zeta Doradus was white-gold in color. {GoO:p150} Several planets in system. {GoO:p150} Six inner planets with Onyx being the fourth. {GoO:p288}</p>
<p>Zeta Doradus IV (Onyx) {GoO:p67}</p> <p>Constellation: Dorado</p>	<p>Zeta Doradus IV {GoO:p67} {GoO:p288}</p>	<p>38 LY</p>	<p>05h:05m:30.7s -57° 28' 21.8"</p> <p>(76.4 deg -57.5 deg)</p>	<p>Earth Survey Catalogue Number: XF-063 {GoO:p123}</p> <p>At least one moon orbiting Onyx. {GoO:p95} It was a silvery ice-ball moon with canyons of blue ice and methane geysers. {GoO:p155}{GoO:p156}</p> <p>Blue-green cloud-swirled planet with Earth-normal gravity and atmosphere. Atmosphere was primarily water vapor, oxygen and nitrogen. {GoO:p154} {GoO:p155} {GoO:p230} Onyx had magnetic poles. {GoO:p278}</p> <p>Onyx is a "shield world" for the Forerunner. {GoO:p181} Onyx was a part of the Forerunner's plan: their "shield" to the Halos' "sword". {GoO:p310} Forerunner technology discovered on Onyx. The technology becomes active when the Halo system is armed. {GoO:p311} From a distance, Onyx appears a turquoise color. {GoO:p153}</p> <p>Onyx has a Slipspace translocation system similar to the teleportation grid around Halo. {GoO:p311}</p> <p>No tectonic activity ever recorded on Onyx. {GoO:p115}</p> <p>Onyx had native flora and fauna. Banyan trees. Savanna grass. Acacia trees. {GoO:p235}</p>

				<p>{GoO:p252} Herd animals. {GoO:p284} There were no raptor-like avian species though the world did have birds. Among the birds were red-tailed parrots and redwing macaws. {GoO:p118} {GoO:p120} {GoO:p135} {GoO:p234}</p> <p>In December, 2531, Camp Currahee is established as a base to train Spartan-III's. {GoO:p67} The existence of the planet Onyx itself is a closely guarded ONI secret. {GoO:p48}</p> <p>Onyx was "weeks away" from Earth by even the fastest UNSC corvette. {GoO:p213}</p> <p>Planet's geological survey was referenced by Professor Ellen Anders in 2531 in a lecture on xenobiology. {HWG:p27}</p>
Zeta Doradus IV-0 (Micro Dyson Sphere) {GoO:p380} Constellation: Dorado	Zeta Doradus	38 LY	05h:05m:30.7s -57° 28' 21.8" (76.4 deg -57.5 deg)	Object located in a dimensionally compressed bubble of Slipspace in the former location of the planet Onyx, after that planet's dissolution. The Dyson Sphere is 150 million kilometers in diameter, centered around a G2 type yellow dwarf star slightly smaller than Sol. There are no stars in the night sky, and the sky is robin's egg blue during the day. {GoO:p380} {GoO:p381}
UNKNOWN Gas Giant {CH:p269} Constellation:	near Sangheili system {CH:p269}			Gas giant in a system near the Sangheili home solar system had Hunter worms on the surrounding ring of the planet. The ring was debris from a long ago destroyed Forerunner construct. The San'Shyuum discovered this shortly after the formation of the Covenant. An Arbiter among the Elites convinced the Prophets to 'tame' the Hunters rather than obliterate them for their transgression of devouring the Forerunner relics. {CH:p269}

Document Abbreviations for Source Material

- **Fact**
 - Verifiable fact external to the Halo universe
- **Inferred**
 - Not stated, but can be corroborated by something factual, common sense, or established
- **Halo**
 - Halo: Combat Evolved Campaign mode video game
- **H1MP**
 - Halo Multiplayer
- **Halo2**
 - Halo 2 Campaign mode video game
- **H2MP**
 - Halo 2 Multiplayer
- **Halo3**
 - Halo 3 Campaign mode video game
- **H3MP**
 - Halo 3 Multiplayer
- **HaloWars**
 - Halo Wars video game
- **HWLE**
 - Halo Wars Limited Edition supplemental material
- **HWMP**
 - Halo Wars Multiplayer
- **H3ODST**
 - Halo 3: ODST video game
- **DOA4**
 - Dead or Alive 4 video game
- **HWG**
 - *Halo Wars: Genesis* graphic novel
- **TFoR**
 - *The Fall of Reach* novel
- **TF**
 - *The Flood* novel
- **FS**
 - *First Strike* novel
- **GoO**
 - *Ghosts of Onyx* novel
- **CH**
 - *Contact Harvest* novel
- **TCP**
 - *The Cole Protocol* novel
- **HGN**
 - *Halo Graphic Novel*
- **Uprising**
 - *Halo: Uprising* comic (Uprising1–Uprising4)
- **H1SG**
 - Halo 1 Strategy Guide
- **H2SG**
 - Halo 2 Strategy Guide
- **HWSG**
 - Halo Wars Strategy Guide
- **Sybex**
 - Halo PC Sybex Strategy Guide

- **TAoH**
 - *The Art of Halo* book
- **H3Art**
 - The Art of Halo 3 book
- **Bungie**
 - Bungie website/interviews/documentaries
- **Ensemble**
 - Ensemble Studios website/interviews/documentaries
- **H1Man**
 - Halo video game manual (Xbox)
- **H1ManPC**
 - Halo video game manual (PC)
- **H2Man**
 - Halo 2 video game manual
- **H2LEMan**
 - Halo 2 Limited Edition video game manual
- **H2MMPMan**
 - Halo 2 Maptacular Map Pack video game manual
- **H2ManPC**
 - Halo 2 video game manual (Vista PC)
- **CFTU**
 - *Conversations From The Universe* document (Halo 2 Limited Edition)
- **H3Man**
 - Halo 3 video game manual
- **H1GameData**
 - Data from the Halo game code; actual or calculated
- **H2GameData**
 - Data from the Halo 2 game code; actual or calculated
- **H3GameData**
 - Data from the Halo 3 game code; actual or calculated
- **H3SG**
 - Halo 3 Strategy Guide
- **Joyride**
 - Data from the Joyride Halo 1 & 2 figures or toy packaging
- **McFarlane**
 - Data from the McFarlane Halo 3 figures or toy packaging
- **MR**
 - Info from the Master Replicas website and products
- **H3 Hype**
 - Halo 3 Marketing Information
- **Bestiarum**
 - Halo 3 Bestiarum booklet/DVD media
- **H1OST**
 - Halo 1 Original Soundtrack
- **H2OST**
 - Halo 2 Original Soundtrack
- **H3OST**
 - Halo 3 Original Soundtrack

Halo Miscellanea

Military Phonetic Alphabet

A: Alpha
B: Bravo
C: Charlie
D: Delta
E: Echo
F: Foxtrot
G: Golf
H: Hotel
I: India
J: Juliet
K: Kilo
L: Lima
M: Mike
N: November
O: Oscar
P: Papa
Q: Quebec
R: Romeo
S: Sierra
T: Tango
U: Uniform
V: Victor
W: Whiskey
X: X-Ray
Y: Yankee
Z: Zulu