

Trane

Glisten / Spinward Marches 2038

Data sheet prepared 033-1102 in conjunction with ISS and TAS

Trane is a binary star system with a total of 12 planets, including 4 gas giants. It has a very thin atmosphere, requiring respirators for the vast majority of sophants. Mostly water, there are 3 large land masses with a dozen more smaller islands.

Trane has a very rich aquasphere, and its leading export are locally manufactured firearms as well as the gorah fish, a source of high protein. It is exported either via whole fish or more often a protein paste used in ship rations. There are also a rich ecosystem of underwater plant life, with a few small research stations scattered about.

The climate is generally mild about the equatorial ranges, but in typhoon season the Concite Down is often closed. Although the atmosphere is very thin, the winds can approach speeds of 200 kph. There is no high port. The northern and southern ranges have year-round icebergs but no land masses.

The class C Imperial star port, Concite Down is the primary star port, but there are 2 private space ports, one for Lysani Laboratories, another for SuSAG, LIC. The Starport Authority runs the star port, employing about 50 people. Star port accommodations are adequate, and there are no TAS facilities available. Unrefined fuel only is available, and there are 3 fuel shuttles for those ships unable to enter atmospheres. Fueling shuttles have a 10% surcharge to the base cost of unrefined fuel. There are 15 landing pads available: 4 100 ton pads, 9 500 ton pads, and 2 1000-2000 ton pads. Warehousing is available adjacent to all pads. The port sees approximately 14 ships weekly, plus 2 subsidized merchants that run between Trane and Glisten for one route, and Trane and New Rome for the other.

The local government is a participating democracy, made of of 1 major party and 3 smaller parties. Local law level of 2 prohibits portable energy weapons but not much else.

The primary city of Casphan is located on the eastern seaboard of Veteau, nestled in the Bay of Catarite. The population is 55,000, and is the largest concentration of residents on the planet. The city is a domed city, with the star port located 25 km outside city limits, closer to the Ponaut Ocean. Grav technology is common and used for most transportation. The very thin air excludes the use of most winged vehicles. Startown is adjacent to Concite Down, and enjoys a lively night life.

There is an Ancient Site on Trane, and the Imperial Bureau Of Ancient Artifacts, along with an Imperial Marine platoon, are researching the site. Site seeing is prohibited.

Game Tables

Number of ships at port: 4d6, primarily merchant craft. I.e., 10 ships are currently at the port.

2d6 rolls:

Weather on arrival at Concite Down: 11+ = typhoon, landing prohibited for 1d6 hours.

Safety inspection of ship: 12. Between law level and lack of employees, this is a relatively rare occurrence.

Available landing pads: $15 - \text{number of ships} + 1d6 / 2$. Some ships just stay in orbit. With 10 ships, $15 - 10 + (1d6 / 2 \Rightarrow \text{rolled } 4, \text{ so}) 2 = 7$ pads are available.

Encounter Tables

Concite Down. Roll daily when in the star port.

Die Roll	Encounter	Number
2	Wealthy merchant	1
3	Reporter	1
4	Drunk	1
5	Port officials	1d / 2
6	Technicians	1d / 2
7	Fuel shuttle pilots	1d / 3
8	Cargo crew	1d
9	Ship crew	1d
10	Ship's captain	
11	Scientist from ancient site	1d
12	Marine squad from ancient site	4

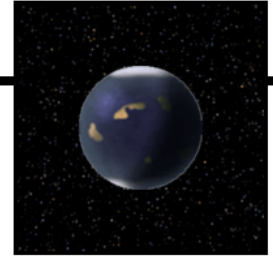
Casphan. Roll daily

Die Roll	Encounter	Number
2	Street mime	1
3	Reporter	1
4	Scientists from Lysani	2d
5	Local law	1d / 2
6	Fisher crew	2d
7	Boisterous locals	3d
8	Religious group	3d
9	City Officials	1d
10	Scientists from SuSAG	1d
11	Scientist from ancient site	1d
12	Marine squad from ancient site	4

Appendices

- I. TAS Official (per TravellerMap.com)

Trane / Glisten (Spinward Marches 2038)



Allegiance: Third Imperium, Domain of Deneb (ImDd)

System: F4 V — M3 V

4 Gas Giants — 0 Planetoid Belts — 7 Other Worlds

Universal World Profile: C 6 3 9 4 2 2 — B

Starport (Routine)	┌──┐	┌──┐	Technology Level (Lower Average Imperial)
Size (9,600km)	┌──┐	┌──┐	Law Level (Portable energy weapons prohibited)
Atmosphere (Very thin)	┌──┐	┌──┐	Government Type (Participating Democracy)
Hydrosphere (90%)	┌──┐	┌──┐	Population (Tens of thousands)

Importance {Ix}: { 0 } Unimportant

Economics (Ex): (A 3 3 -4)

Resources (Abundant)	┌──┐	┌──┐	Efficiency (Very poor)
Labor (Thousands)	┌──┐	┌──┐	Infrastructure (Very limited)

Culture [Cx]: [1 4 1 7]

Homogeneity (Monolithic)	┌──┐	┌──┐	Symbols (7)
Acceptance (Extremely aloof)	┌──┐	┌──┐	Strangeness (1)

Total Population: $7 \times 10^4 = 70,000$

Nobility: Knight

Remarks: Ni Non-Industrial An Ancient Site

Travel Zone: No Restrictions

Travellers' Aid Society Rating: Green

Jump-2 Neighborhood



Name	Hex	UWP	B	Remarks	Z	PBG	A	Stellar
GLISTEN	2036	A000986-F	NS	As Hi In Na Va Cp	811	ImDd	K9 V	
Overmale	1937	B55467A-9		Ag Ni	423	ImDd	G3 V	
Sorel	2137	E58569A-2		Ag Ni Ri	921	ImDd	G3 V M3 V	
Wurzburg	2237	C795300-A	S	Lo Da	A 510	ImDd	F8 V	
New Rome	1938	B837866-B	N	Ph Asla3 O:2036	704	ImDd	F8 V M0 V	
Trane	2038	C639422-B		Ni An	704	ImDd	F4 V M3 V	
Horosho	2138	C4378A6-A	S	Ph	920	ImDd	F4 V	
Craw	1939	C573645-5		Ni (Crawni) Asla8	923	ImDd	G7 V	
Romar	2140	B550456-8	NS	De Ni Po	112	ImDd	K2 V M3 V	

The *Traveller* game in all forms is owned by Far Future Enterprises. Copyright © 1977 – 2016 Far Future Enterprises. [Fair Use Policy](#)

II. From ISS probes (Created using 'Traveller Heaven & Earth (V 1.0.4)'):

Note: names updated per main world specifications; the 2ary star system has currently not been explored nor named.

SYSTEM DETAILS -----

System Name: Trane PBG: 704

PRIMARY SYSTEM F4 V

- 0 Ukena H221000-0
- 1 Iahelle Y120000-0
- 2 Isk F112264-B Re
- 8 Gamma Ay YS00000-0
- 3 Thullah G778313-A
- 4 Hadad XC00000-0
 - 1 Epsilon Ay YR00000-B Re
 - 4 Epsilon Bee H200000-B Re
 - 7 Epsilon See Y624000-0
 - 8 Epsilon Dee Y633000-B Re
 - 10 Epsilon Ee Y100000-0
 - 12 Epsilon Eff Y420000-0
 - 20 Epsilon Gee HS00000-0
 - 25 Epsilon Aitch Y230000-B Re
 - 30 Epsilon Eye YS00300-B Re
 - 35 Epsilon Jay Y400000-B Re
 - 55 Epsilon Kay Y633000-B Re

5 Trane C639422-B Ni Primary

6 Tale XB00000-0

12 Companion Star: BINARY SYSTEM M3 V

- 0 Alpha G100000-0
- 1 Beta F400000-0
 - 2 Beta Ay YR00000-0
 - 3 Beta Bee HR00000-0
- 2 Gamma XB00000-0
 - 2 Gamma Ay HR00000-0
 - 8 Gamma Bee Y100000-0
 - 45 Gamma See Y100000-0
- 3 Delta G347000-0
- 4 Epsilon XC00000-0
 - 1 Epsilon Ay YR00000-0
 - 8 Epsilon Bee Y200000-0
 - 10 Epsilon See Y300000-0

The world is a Planet. It has a diameter of 5,900 miles (9,440 km). It has a Molten Core and a density of 0.8 terra. It has a mass of 0.7 terra and gravity of 0.8 G. The Primary Star stellar mass is 1.38 sol, the Binary Star stellar mass is 0.39 sol. The orbital distance is 2.8 AU and the orbital period is 2,740.28 standard days. The rotation period is 25.139 standard hours. The axial tilt is 45 degrees. The orbital eccentricity is 0.0. The seismic stress factor is 0.0.

The atmosphere composition is a Standard oxygen-nitrogen mix and the surface atmospheric pressure is 0.4 atm. The stellar luminosity is 1.458, the orbit factor is 223.523, the energy absorption is 0.814, the greenhouse effect is 1.0 and the base temperature is -7.702 degrees C. The orbital eccentricity temperature at closest approach is 0 degrees C and the orbital eccentricity temperature at furthest approach is 0 degrees C. The axial tilt base increase is 27 degrees C and the axial tilt base decrease is -45 degrees C. The length of day and night is 12.57 standard hours. The rotation luminosity factor is 1.458. The daytime rotation effects are 1.167 +per hour of daylight with an absolute maximum plus temperature of 309.465 degrees C. The nighttime rotation effects are 8.0 -per hour of darkness with an absolute maximum minus temperature of 132.649 degrees C. Native life does exist. Atmospheric terraforming has not occurred. Greenhouse effect terraforming has not occurred. Albedo terraforming has not occurred.

The hydrographic percentage is 88%. The hydrographic composition is Liquid water. The number of tectonic plates is 8. Hydrographic terraforming has not occurred. Terrain terraforming has not occurred. There are 3 major continents, 0 minor continents, 7 major islands and 5 archipelagoes. Ores, Crystals, aquatic species are natural resources.

TEMPERATURE WORKSHEET

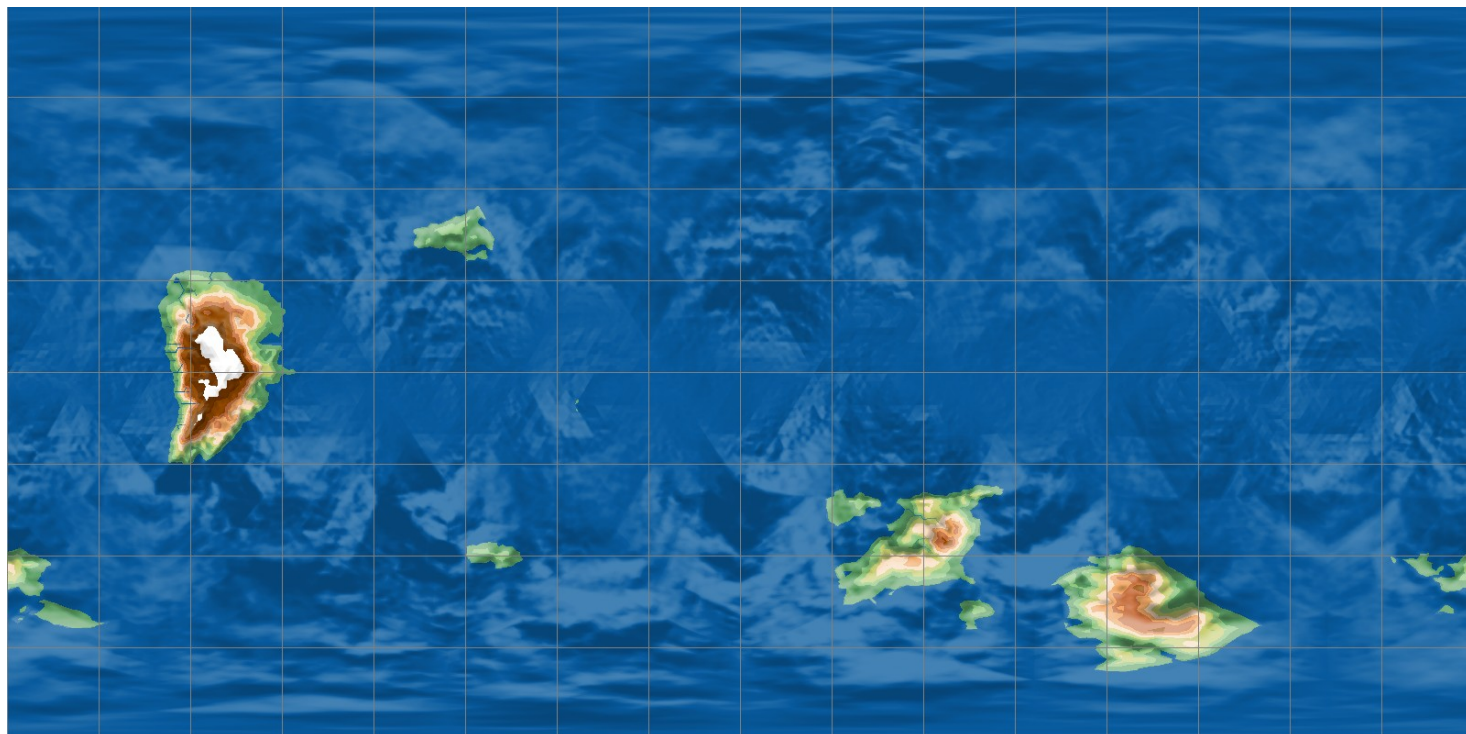
HEX ROW	BASE TEMPERATURE	LATITUDE TEMPERATURE EFFECTS	BASE TEMPERATURE FOR HEX ROW
1	-8	18	10
2	-8	12	4
3	-8	6	-2
4	-8	0	-8
5	-8	-6	-14
6	-8	-12	-20
7	-8	-18	-26
8	-8	-24	-32
9	-8	-30	-38
10	-8	-36	-44
11	-8	-42	-50

HEX ROW	SUMMER PLUS	AXIAL TILT FACTOR	AXIAL TILT TEMP PLUS IN SUMMER	DAYTIME PLUS	ORBIT ECC PLUS	HIGHEST TEMP FOR HEX ROW
1	27	0.5	14	15	0.0	38
2	27	0.75	20	15	0.0	39
3	27	1	27	15	0.0	40
4	27	1	27	15	0.0	34
5	27	1	27	15	0.0	28
6	27	1	27	15	0.0	22
7	27	1	27	15	0.0	16
8	27	1	27	15	0.0	10
9	27	1	27	15	0.0	4
10	27	1	27	15	0.0	-2
11	27	1	27	15	0.0	-8

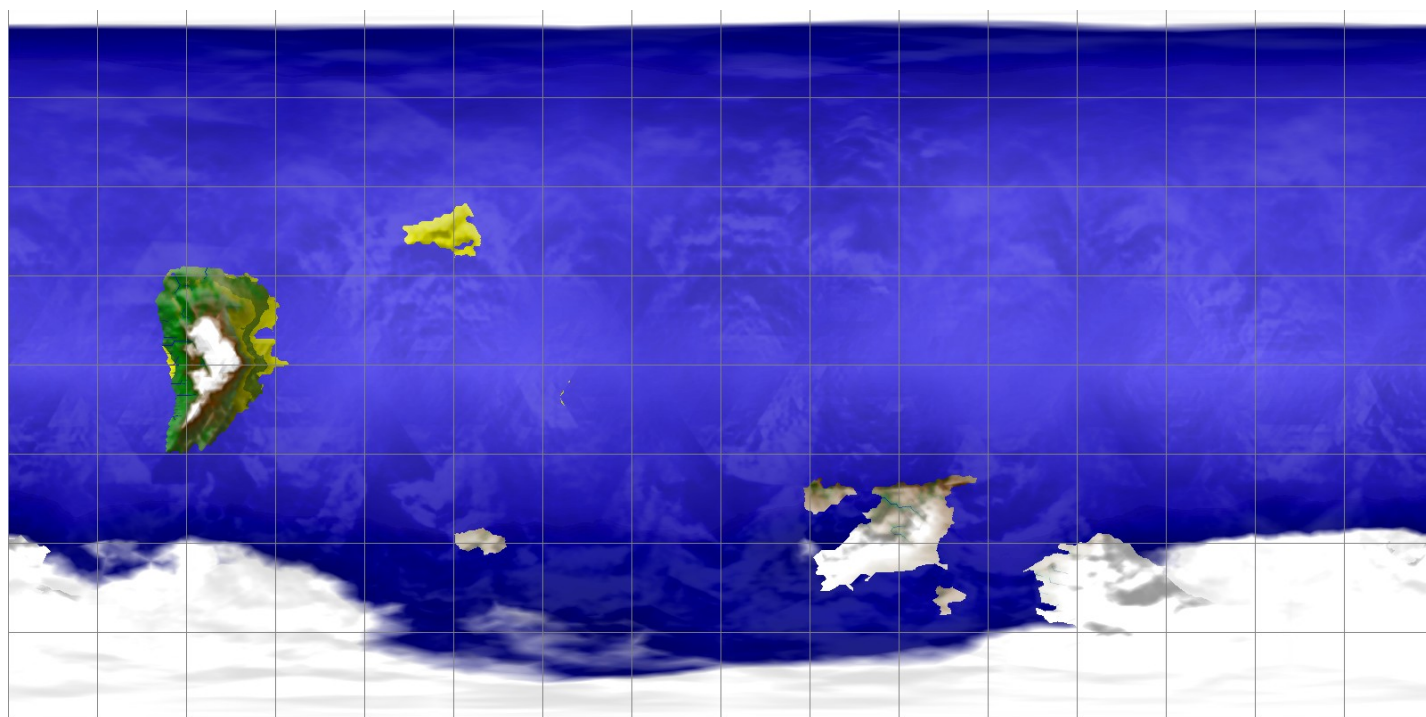
HEX ROW	WINTER MINUS	AXIAL TILT FACTOR	AXIAL TILT TEMP MINUS IN WINTER	NIGHTTIME MINUS	ORBIT ECC MINUS	LOWEST TEMP FOR HEX ROW
1	-45	0.5	-23	101	0.0	-113
2	-45	0.75	-34	101	0.0	-130
3	-45	1	-45	101	0.0	-147
4	-45	1	-45	101	0.0	-153
5	-45	1	-45	101	0.0	-159
6	-45	1	-45	101	0.0	-165
7	-45	1	-45	101	0.0	-171
8	-45	1	-45	101	0.0	-177
9	-45	1	-45	101	0.0	-183
10	-45	1	-45	101	0.0	-189
11	-45	1	-45	101	0.0	-195

III. System maps. Each square is 1890 km per edge.

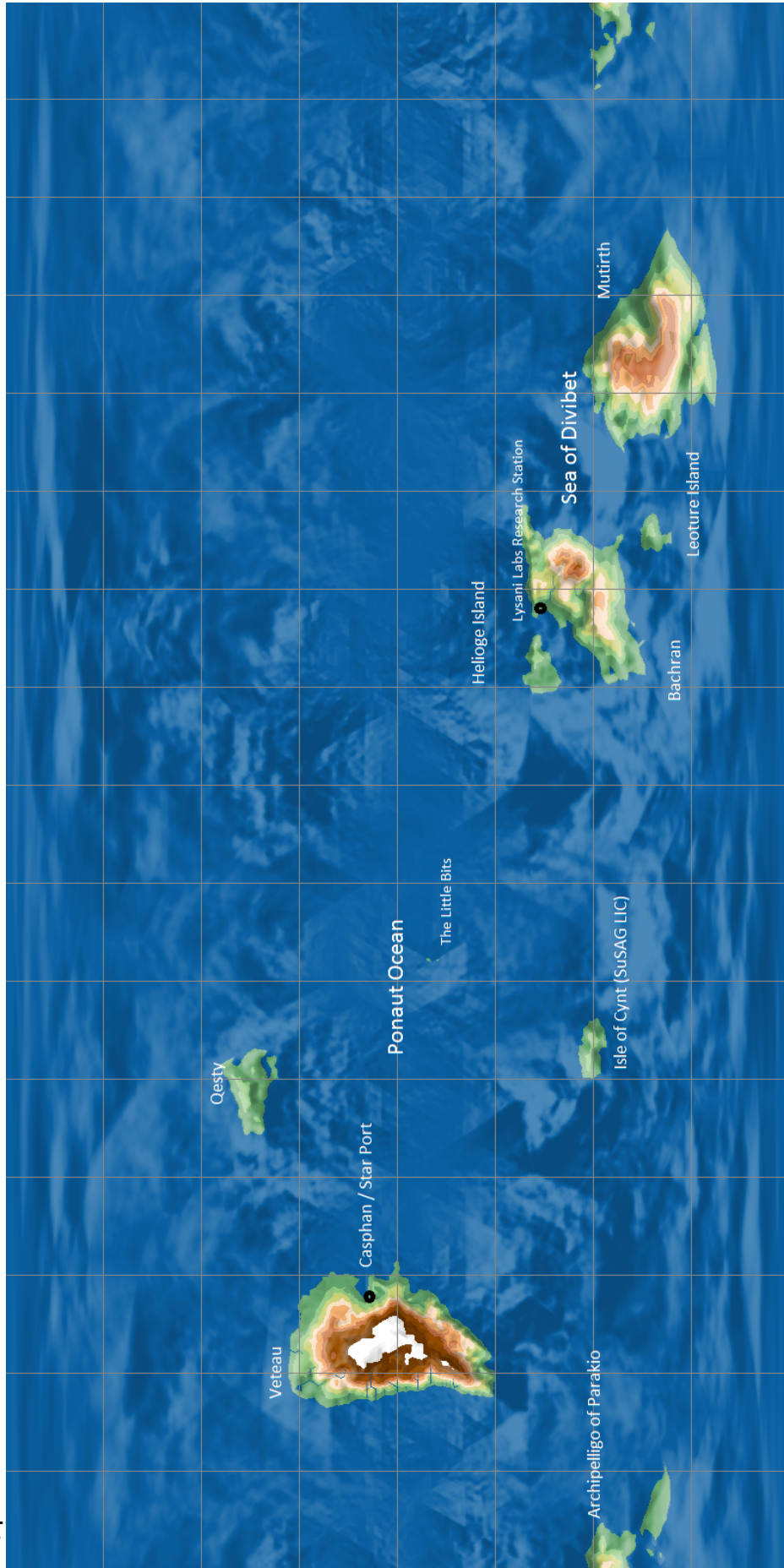
III a. Relief Map



III b. Climate Map



III c. Marked Map



III d. Concite Down

