# Gvurrdon Sector Campaign Book (Rev.I.) An overview (1100 to 1200)



# **Words from the Author**

Finally this book has been finished. It has been almost 10 years in the making. Yeah, I may be a slow writer. Anyway, this is a collection of all the documents I produced for Gvurrdon while I was a member of the HIWG. My work started in 1990 (or thereabout) as Leroy Guatney handed over Gvurrdon as my responsbility for development for the Traveller universe. Since then I have produced about 14 documents on this sector. When I started we had MegaTraveller, and I updated it as we got TNE. Then Imperium Games went retro and we got Milieu 0 or M0 for short, I did not update Gvurrdon to M0 era. At this time I felt there was time to consolidate and collect the documents I had written. There is also a lot of new material included. My work on this book stopped when HIWG ceased to exist and GDW went belly up. I felt it was time for Traveller to die. Other things took the main seat in my life and my Traveller books started to collect dust in the shelves. But just about one year ago (2002) I did get the itch back for some reason. When I now sit here and write these words Steve Jackson has obtained a Licens to make a Gurps Traveller. I have barely seen this product as it is just a few books available here in Norway. D20 Traveller (or T20 as it is known) are neither available in Norway. Gvurrdon Sector Campaignbook does not take in consideration of what happens in G:Traveller. or T20. Neither do I care about it. I have followed the official GDW line far as I could.

I have tried to make the document so that there is possible to start a campaign in any time in published history. It covers three eras; pre-rebellion/FFW (briefly), Rebellion and post virus era of about 1200, with the history in between. This documents contains several coloured maps, and UWP of all three eras. With this I will say that I am mostly finished with Gvurrdon. Now it is up to you to bring Gvurrdon further on in history.

Do note that this document is fit to my campaign, so you may encounter a mix of «canon» material. I for instance allow Thruster drives when the technology allows it according to T4 and MT.

I want to dedicate this book to those who was avid members of HIWG. They really taught me what Traveller was all about. Names like Clay Bush, Mike Mikesh, Bryan Borich, Mark "Geo" Gelinas, David Ridell, Adrian Steward, David Schneider, Leighton Piper, David Burden and many many more. Thanks for making me able to do this work. I would like to specially thank Clay Bush for putting up with me when I was at the most eager phase, sending him dozens of letters impatiently

waiting for answers.

I would also thank all the users of TML, making me having fun with Traveller again. Now I'll keep playing until they pry the dices from my cold stiff fingers.

#### **Revision 1.1 (Jan 2008)**

Welcome to Revision 1.1 of this document. No major changes has been done in this document other than correcteng some spelling errors and a few entries in the UWP. The only major update is the starship section in the back of the book. The starships now comform more closely to TNE standards including HePlar drives.

Since writing this document I also have acquired a few G:Traveller books. Mainly to use as source material. However, this does not affect the purpose of this document.

Revision 1.2 may include a toc, if I ever get around to it.

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# Part 1: Historical overview

### Gvurrdon: A historical overview

#### 1105 to 1116

Gvurrdon has always been a cooking pot when it comes to Vargr and Human relation ships. Gvurrdon was colonized by Vargr already about -2500, first explorers was reaching the sector early as -2900. There are no firm records to pin point the date more precisely. Vargr here are also generally more violent and aggressive than their counterparts more trailing in the extends. Both the Zhodani and the Imperium got interests in the sector. Zhodani owns a few worlds while the Imperium only got a few selected consulates in the area, mainly then in the Thoengling Empire and Thirz Empire, which the latter is by many seen as a client state of the Zhodani as they share common border across 5 sub sectors.

Many of the states in this sector tries to stay independent of both the Zhodani and Imperial influence, while still be on good terms with both, as both cater for good trading opportunities. This creates a lot of friction between the states and the different interest groups. This situation are also exploited by the several corsair bands, and the most noted is the Kforuzeng, which is the largest band ever been assembled.

There is constantly small skirmishes or battles between the states. The two who are most likely to battle it out is Society of Equals and Thirz Empire. Two other contestants are Rukh and the Anti-Rukh coalition. However in the latter case Anti-Rukh only lives because of

the Zhodani control the Rukh allegiance enough to prevent a war, that may destabilise the region further.

#### **Fifth Frontier War**

When the Zhodani pressed the Imperial forces back in the Spinward Marches Ve Ekhle Ksafi (also known as 40<sup>th</sup> squadron) initiated attacks along the spinward border to occupy the worlds there with a majority of Vargr citizens. Kforuzeng did also try to cash in on this and joined forces with the 40<sup>th</sup> Sqd. As their joined campaigns was a success, more corsair joined up the get a share of the taking.

When Norris relieved Admiral Santanochev of his command their luck turned. However they was not driven back until after the Zhodani was beaten at the battle of Rhylanor. Most other states in Gvurrdon did not participate in the battle directly, but many of them did send a few ships to cash in on the opportunity for some fast Charisma increase. When the tide turned everything unravelled surprisingly fast. Most because of the fact that many of the states were uneasy partners at best. Within a few months the Vargr threat was eliminated.

#### **Post War**

As the region settled down after the FFW, the Third Imperium encouraged individuality in Gvurrdon leading to fragmentation and conflict in the sector to prevent any group to be too large to pose any threat to Imperial interests.

Meanwhile the Zhodani tried the opposite, to stabilize its border against the Vargr. Zhodani did also increase its presence in this sector. Rukh and Thirz Empire was two of the major factions in Gvurrdon supporting Zhodani. While 40'th squadron did attack the Imperium during the FFW, it did not have any connection to the Zhodani Consulate.

During this period the Equality war began between Thirz Empire and Society of Equals (SoE). SoE was very successful in the beginning, but the tide turned, and SoE lost much territory to Thirz Empire when the war ended in 1116. There has been speculations on that the Imperium did manipulate SoE to start the war against Thirz Empire, but nothing was ever proven.

Kforuzeng (a sector-wide corsair band) did also experience a sharp decline, and several groups sought their own fortune and went their own way. Many of the minor corsair bands did participate in the war between the Thirz Empire and SoE. During this period the Spinward Marches based trading company Oberlindes Lines expand their trade into Gvurrdon sector with great success, becoming a major competitor to Gvaeknoks, which also spanned the sector. Oberlindes routes mainly went to Thoengling Empire, but did also trade with other worlds and empires rimward in the sector. Kforuzeng tried to regain their lost charisma after the defeat in FFW by raiding Oberlindes routes on contract from Gvaeknoks. A failed raid on the system Triad, where Oberlindes had their main base for Gvurrdon, did put Kforuzeng in a bad light and the contract was cancelled.

#### 1116 to 1130

This period had a lot of changes in the sector. When the news about the Emperors death to an assassin reached the Marches, and news about the ensuing Rebellion, Vargr groups started to pour over the Imperial border. In Gvurrdon Kedzudh formed an alliance with the Kforuzeng, called the glass bond, and attacked the coreward Vargr populated worlds of the Spinward Marches. As Domain of Deneb was cut of from the remaining of the Imperium, due to Vargr occupation of Corridor sector. And the fighting among the factions of those who wanted to ascend the throne ensured that any reinforcements would be long due.

#### Attack on the Marches

The success that the Kforuzeng and Kedzudh experienced increased the charisma of both factions, and more independent corsair bands joined up with Kforuzeng to take part of the plundering. The alliance penetrated deep, and by 1125 the advance stopped when Kedzudh declared that all objectives was reached. However Kforuzeng continued with harassing attacks on Imperial trading lanes to divert any real Imperial threat to the conquered territory.

The strained Imperial forces, which guarded three borders, couldn't do much to fend off the Vargr attacks. And the situation was dictated by the Kedzudh for several years. But Kedzudh had neither the power to advance further into the Spinward Marches. First when Norris managed to get peace with the Aslan Ihatei, could he send forces to deal with the Vargr threat.

Even tough the Kedzudh declared that the objectives was met, Kforuzeng continued the harassment of Imperial trading lanes in the Spinward Marches. Their objectives also started to extend into Deneb sector. And several of the Vargr groupings that had attacked Corridor was attracted to the highly successful corsair band and sought to join up. However Kforuzeng never managed to get any foot hold among the groups that raided Corridor. But they managed to pull off a lot of successful raids on the systems bordering to Tuglikki sector. This also prevented the Imperial forces to seriously commit any forces to this

segment of space until peace with the Aslans had been reached, and the threat from Corridor contained.

#### **Gvurrdon interior**

As the glass-bond campaign in Spinward Marches was a running success, Gvurrdon itself calmed down as prospecting groups headed towards Spinward Marches and Deneb for plunder. This left Zhodani interests get firmer hold in rimward parts of the sector. Most noted unrest was the hand over of worlds from Thirz Empire back to the SoE after the Equality war in 1111 to 1116. Several of the worlds did not want to get back to SoE, with a threatening war being imminent between these two. Democratic votes was conducted on several worlds. Something that was difficult on the worlds that Thirz had taken. The archives didn't list all the adult citizens as voters. A long and difficult job it was to sort out this, because those who where voters didn't want the non voters to get voting privileges. On those worlds with a majority for being handed back to SoE, this was done. For those who didn't want to get back to SoE was shocked when Thirz Empire wouldn't grant them asylum. In 1126 the first worlds was handed over with following unrest and civil war on several of the worlds. Even wars broke out on those worlds who did not get handed back to SoE. By 1132 most of these wars had ended by enormous diplomatic effort by both SoE and Thirz Empire. But also because of the news about the imminent treat of the Virus approaching from the Imperial core.

#### 1130 to 1200

In the middle of all this Rukh and Anti-Rukh clashed in a war that left deep marks in the society of both groups. Anti-Rukh did not have a chance repelling the attack, when Rukh outnumbered them at least 15 to 1. However undercover groups inside Rukh managed to pull off a lot of destructive terrorist acts that shock the foundation of Rukh. The war itself lasted only a couple of months, but the mopping up took nearly a year. And even today Okozarrga (1336) is still a radioactive globe, glowing with its own radiation.

In 1160 Rukh experiences internal difficulties. Political historians speculate that when the Anti-Rukh was removed, the rulers did not have anything to gather the populace against. Before the Rukh War the populace was aligned against Anti-Rukh. Now when that presence was gone the population

started to look inwards and complain about several things. Sophont rights was one of the major issues. A civil war broke out short after. Luckily enough, most of the fighting was done in space. Various fleet commanders and admirals thought they held the answer, and with their Charisma they managed to recruit a lot of young aspiring Vargr. As the fleets held control over space the worlds themselves didn't fight much with each other when they actually had other objectives than the fleet. When the fleets had expended most of their strength in useless fighting, a lot of officers experienced their Charisma coming crashing down on their heads.

The central government of Rukh was reduced. What remained of the fleets started to look for supporters in the various worlds. Thus Worlds of Leader Rukh started to fall from each other. Several small states did form up. And several worlds did also become independent, or did not link up with someone in fear of getting attacked by the others as reprisals.

In this environment the Kforuzeng did find a lucrative market. When the different fleets from the former Rukh empire had expended most of their strength, a corsair band could operate quite safe. From 1160 to 1165 Kforuzeng contracted out forces to various faction, being careful not to end up on both sides of the conflict. In 1165 they decided to move into one of the faction in all. The faction did hold guite a lot of resources, but the political, and military will and strength had been diminished in the conflicts. Kforuzeng that had been looking for a new central base since the old one got blown up by the Regency navy in 1130. Kforuzeng moved in and took control over the government in a coup. They immediately chased off all opposition and restored order in this part of space. This successful act increased the popularity of Kforuzeng among other corsair groups.

In 1172 Gvaeknoks did the same as Kforuzeng. They had experienced more and more problems with the relation between Thirz and SoE. Trading between these two groups became more and more problematic. The two groups believed that Gvaeknoks spied for the other side. Thus the Gvaeknoks looked for a new base to place their headquarters. They found one of the splinter groups of old Rukh being a prime candidate. So they moved in and took control over the government

by erecting the runaway economy. They did become so popular that they managed to get control over the government. They soon called themselves Gvaeknoks Trade Union. New trade routes was established.

This part of space is still a place of skirmishes between the groups, but they are rather limited. The Zhodani has made their presence in this part of space more visible, protecting their interest. The two largest enemies are the Kforuzeng controlled The Freedom League Also called Corsair's Den and Gvaeknoks Trade Union. These two has weekly skirmishes with each other. Something that makes travel among these two a bit risky.

The news about the Virus, and the diplomatic pressure from Regency about the same thing made the factions for once pull together (sort of) to prevent a disaster. Very little effect reached Gvurrdon at all. Trailing parts of Thoengling Empire lying in Tuglikki sector experienced some damages in 1140, but because of the forewarning from Regency the damages was minor. Thoengling has always had good relations to the old Imperium, and foster now good relations with Regency. A freak accident in 1146 nearly wiped out Gvurrdon as a political factor in the Spinward area. A small group of Vampire ships managed to penetrate the defences in Thoengling, and within weeks the Capital feel to the vicious Virus. The Thoengling had to withdraw, just sacrificing worlds in the process. What's left of Thoengling is just a handful worlds. And now they are really committed. A snafu like this are not going to be repeated, and the naval presence here is heavy. No one is admitted to a world without rigorous search and quarantine for non-certified vessels.

Even for the Virus threat, the factions did continue to fight among themselves as usual, but by pressure from Regency, the faction stopped to use ABC weapons (Atomic, Bacteriological and Chemical). There has been reported nuclear weapon use in Gvurrdon, but then those have only been reported used in space. And those reports has not been confirmed either.



# Part II Political factions of Gvurrdon

#### Palitics in Gyurrdan

Gvurrdon has always been a violent place compared to other sectors bordering to the Third Imperium. This has bothered nobility in the area behind the claw. The unpredictability of the Vargr makes it necessary to have large quantities of the Imperial Navy patrolling the coreward border. Reliable intelligence of the area is hard to come by, and are often void by the time it reaches any place useful where a decision can be taken.

#### **Exterior influence**

Both the Zhodani and the Third Imperium tried to stabilize the region to secure their borders. Zhodani has had its presence in Gvurrdon a few hundred years before the Imperium made it's presence there. Thus has also been more successful at it than the Imperium.

The Imperial Navy got extended authority to act independently from regional commanders and political control. This has decreased the response time for the naval forces to a given threat.

Reliable intelligence from the area is hard to come by and real threats are usually only apparent short time before a possible strike occurs. But there is not only military threats to handle, but also trade considerations, espionage, travellers, and inter Vargr relations that both the Zhodani and the Imperium tries to keep an eye on.

For travellers that frequent the Extends they need to know what is expected of them and what to expect from the inhabitants there. This goes for all kinds of visitors.

The Imperium and the Zhodani use different ways to control events in Gvurrdon. The Empire tried to split the factions to disrupt any cooperation that might lead to anti Imperial actions. This tactic changed when the virus made its presence known, this tactic had to change. Archduke Norris poured then

aid to Tuglikki, which became the first line of defence against the virus threat. Active cooperation was also sought with other factions in both Spinward Marches and Gvurrdon. Something that lead to the creation of the Gvurrdon Quarantine fleet, represented by one squadron of ships from Thoengling, Empire, Thirz and finally two squadrons from Zhodani.

While the Imperium tried to split the factions prior to the virus threat. The Zhodani allied themselves with the interstellar kingdom of Thirz Empire. This cost more than the Imperial approach, but has had actually more rewards. The Zhodani also had connection with several other nations to secure their borders instead of using the military approach.

During the reign of the Third Imperium, Zhodani never managed to get any long term friendship with any of the bordering Vargr states. The Imperium was more lucky with Thoengling, which had worlds both in Gvurrdon and Tuglikki sector. And because of the cold war/hot war status between the Zhodani and the Imperium things got very volatile in Gvurrdon sector. The states in them selves did not change much, but the alliances between them and their rulers came and went several times during the 800 years of Imperial presence in The Spinward Marches.

#### **Gvurrdon politics**

The vargr of Gvurrdon has generally

viewed the Imperium as the land of gold and opportunity, but with a people that are too rigid in their way. The Zhodani generally has been viewed as the mystery men with weird brains.

Vargr politics are run on charismatic influence, something which are both hard to learn and difficult to understand. The fluid behaviour of the Vargr makes it hard for non-vargr to predict who is on top in the political battle. Unlike human political parties that are run on policy. The political drive is rather centred on Charisma and the opportunity to earn on someone else rise in charisma. This may seem self centred and egoistic, but then there are not a single vargr that makes a living as a politician or lobbyist in the Extends. The reason for this is that charisma comes with achievement in some sort of field. Vargr follows achievement, not political ideas.

#### Birth right

Unlike most human societies position in the society are usually not heretary. That's why it is important for Vargr to earn much charisma as possible before they can inherit their parents estates and holdings. The few feudal systems that are around in the Extends usually have a charismatic inheriting system. It is not the first born that can claim a position from their parent when the time comes, but the one that has managed to get the most Charisma. Inheriting a noble position (or something similar) will also in most cases give a charismatic increase. If no offspring has

managed to get enough charisma to the time that they are going to inherit their parents, that estate, nobility position or company folds. Usually breaking up into smaller parts.

Imperial Intelligence has used this knowledge to the fullest. But the result have not always been predictable.

#### **Charisma and Loyalty**

One of the reasons for this is that humans often do not see the difference on Charisma and loyalty, and how this apply in the Vargr society.

In most human cultures people stand loyal to the leader even in tough times, and the group will also often keep the group loyalty in the event of the death of the group leader, be it now a band of pirates, soldiers or political entities.

Vargr groups tend to break up when the leader dies. And if the group manages to stay intact it does so with usually going through a phase of internal rivalry. There are these rivalries that are hard to predict the outcome of. In very rare circumstances has the leader "appointed" a successor. This successor has been by the leader been given every opportunity to increase his Charisma.

Vargr are by rule of thumb only loyal to the highest available Charisma within the group he or she feels will help to reach his goals. If this group falls apart or drops in group Charisma, group members will tend to leave the group. But there are exceptions of this. These exceptions usually plays in when friendship and homeland is at stakes. So assassinate a world leader to split the world government to ease conquer or remove a military threat may backfire.

When leadership suddenly disappears one way or the other things tend to get really chaotic in Vargr controlled areas unless there is a strong person to take helm. The group (whether it is a mercenary group or interstellar government) recognises that their strength comes from their cooperation. But their nature to seek their own goals often interferes with their both short term on long term politics.



Kforuzeng are known to be the largest corsair band in Gvurrdon sector. Even though Kforuzeng never has been a political entity most of its existence, it has formed and had great impact on the rimward borders of Gvurrdon. Kforuzeng had many changes through its existence. From being a sector wide band with nearly monopoly on raiding along the Domain of Deneb border, to nearly extinction and back on the raise again in the wake of the Rebellion in the Imperium. And finally a political entity in the remains of "Worlds of Rukh".

#### **History**

In 1041 the Kforuzeng corsair band were organized. The leader Dzenae Aekoe with his crew on the frigate Rraedz decided to split from the Ungogz Den, a small interstellar government got fragmented by internal unrest. To survive he started to raid at different worlds that could not muster the force to drive him away. He later joined forces with one other corsair captains.

In 1043 they were attacked by two larger ships, but Dzenae was an expert tactician and soon turned the battle to his favour. Both attackers got their jump drive disabled which put them at his mercy. Rather than to exterminate his adversaries he proposed an alliance, which they agreed on. The two crafts were soon repaired.

Dzenae soon realized that he must get himself a base for his four crafts so that they could get safe repairs away from the navies that hunted him. Instead of building one he decided to capture one with all the equipment he needed. By great cunning he surprised a base hollowed out in an asteroid at Ueghrrozue/Gvurrdon (2339). This base later became the main base for the Kforuzeng.

After the capture of the hollowed asteroid, Dzenae arose sharply in charisma and many other corsairs sought to join his group. In the following years the group just got bigger and bigger.

#### The death of a leader.

In 1052 Dzenae was an old Vargr, just rounded 60 standard years he leaded personally a campaign against Kinorb/ Spinward Marches (2202), with a large portion of his fleet, the flagship got a hit from a particle accelerator. The damage was superficial, but the sudden hit gave Dzenae a heart attack which sent him into coma. After some hours Dzenae woke up a brief moment. When he saw that his adjutant and second in command were at his bunk. He then gave his last command, which was to continue the campaign as planned. He then lost consciousness, and never woke up again.

Ksangu which was the second in command obeyed this order and continued the campaign for his charismatic leader.

Dzenae was after the campaign buried in the crypt that was dug out in the hollowed asteroid base at Ueghrrozue. In this crypt several other honoured leaders and sub leaders of Kforuzeng corsair band are buried with solemn ceremonies.

#### 1043 to 1070.

In this period Gvurrdon went through a lot of changes that made the corsair business surge. Dzenae was the dominant leader of the band. He had bases spread over rimward parts of Gvurrdon sector.

In this period Kforuzeng absorbed a

lot of other corsairs both independent and smaller groups. Even after Dzenae death, many joined up.

#### 1071 to 1090.

As the band got larger the need of a new flagship arose. Kforuzeng undercover agents found out that Thoengling Empire had ordered a 200,000ton BB from the shipyard at Orsesokhin/Gvurrdon (2323). Just before the vessel was finished Ksangu led a small unit of crack corsairs and stole the craft from the dock.

Thoengling got very annoyed by this act and tried to assassinate Ksangu. They failed, but instead to try again, they decided to let their anger be channelled to the Orsesokhin government that was responsible for the delivery. Thoengling had paid up front and didn't like that their new craft got stolen under their noses. So they invaded the system in 1088.

Kforuzeng's new craft named Akhaegtoullae (Swift Fighter). The choice of craft proved to be excellent when the craft after the refitting of computers, powerplant and armament was able to out gun and outmanoeuvre most craft at its size.

In 1089 Ksangu dies of an illness he got from an insect bite. The cure would have been simple if it wasn't for his allergy for the insect and some of the necessary medications.

#### 1091 to 1100.

The organization was well oiled and each sub leader had his or hers part of their domain to administer. Several interstellar governments sought their expertise in warfare, and hired them for protection of their borders, or to do a single operation against an enemy they had. Both in space and on ground.

Plundering along the Imperial border was also on their agenda, and many worlds had visits from them more than once. They soon became known as ruthless murderers. Which to a extent can be said it was true.

Dzenae himself ruled that civilians should not be harmed if it could be prevented. Ksangu also held this policy, but it got difficult, if not impossible to enforce. The corsair units that joined in the trailing subsectors of Gvurrdon saw the Kforuzeng as a tool to get even with the Imperium for the injustice done they felt from the past history.

However disaster struck in 1093. Their BB that they had stolen from dock had been ridden with problems since they had taken it. It had fought well in the few campaigns it had been on. On a routine mission it disappeared. It was followed by a small group of VP type corsairs. When they emerged jumpspace Akhaegtoullae was nowhere to be seen. The ship has been missing since then.

#### 1101 to 1105.

In this period Kforuzeng expanded into Tuglikki sector. A few bases prop up in subsector M of Tuglikki sector. The expansion trailing is slow in the start but by 1105 Kforuzeng monopolize the corsair business in subsector M and have a few probing operations into subsector N.

In this period Kforuzeng had ongoing emissary contact with Commonality of Kedzudh. The reason is that Kforuzeng feels that they need a safe haven to go to if the going got too tough. In return Kforuzeng had to help Kedzudh with fighting other corsairs that intruded on their territory. This suited Kforuzeng fine, when they could keep the plunder from the corsairs they attacked.

#### 1106 to 1108.

In this period much of the tasks to Kforuzeng is hiring out themselves as mercenaries. A lot of their assets are bound to operations that have long term contracts. Tukera is one of the customers. They pay well for having their crafts protected against attacks when they are in transit to and from Thoengling Empire. With other words they pay Kforuzeng money so that their ships can travel through Kforuzeng's sphere of influence.

Thanks to this Kforuzeng cannot expend vargrpower on campaigns into the imperium when the FFW starts. Near the end of the war Kforuzeng sees the Imperium as an easy target to raid now that it is on the defensive. Fortunately for the Empire the reinforcements that came from corridor prevented Kforuzeng from doing anything serious.

Kforuzeng expanded into the three most spinward subsectors of Tuglikki that bordered to Domain of Deneb. Along this border Kforuzeng enjoyed good tidings, but alas it should last so short.

#### 1109 to 1112.

Now the organization start to split when Kforuzeng do not take advantage of Spinward Marches situation during the FFW. Small groups decided that a new and more charismatic leader had to be found.

The apparent success of 40'th squadron encouraging many Kforuzeng members to enlist there, but to no avail. 40'th squadron got beaten up in FFW. In late 1110 when the war was over, the Imperial Navy turned its guns at Kforuzeng. Imperial Navy Intelligence started to track down Kforuzeng bases, and attacked them. Allkigvue, the current leader, felt that he was losing the grip of the events and tried to rally the leaders to a desperate plan. However he lost, and retired as the head of Kforuzeng.

Egharsgon became the new leader of Kforuzeng. He had high charisma, but unfortunately he lacked something that most charismatic leaders among Vargr miss. The skills necessary to lead and make plans. It looked like he would be able to pull it off, but it soon become apparent that he lacked the necessary skills and many groups split from the organization.

In a desperate attempt to stay in control he formed the Gvurknuesurrg, a secret organization which job was to ensure that the different groups stayed loyal to the leadership. This group was headed by Gzongzuers, a Vargr with above

average charisma, but very skilled at his work. Gzongzuers got soon tired of his work and with the waning charisma of the leadership. So he split and formed his own band in 1114.

In 1112 the treaty with Kedzudh got nullified, and all bases within Kedzudh's borders had to be closed. Kforuzeng tried to prevent this but with their reduced strength they could do nothing.

Unfortunately for Kforuzeng many of the corsairs that had their bases in Kedzudh joined the Commonality, when it came apparent that their charisma could stand up against the charisma of the leadership in Kforuzeng.

#### 1113 to 1116.

During this period Kforuzeng seems to just dwindle away as a dying flower.

Egharsgon retired early 1115 just a few month after Gzongzuers decided to make his own fame. In the rest of the period no new leader was elected.

Individual corsair captains decided to go for their own and split away from Kforuzeng. In 1116 the organization was only at 20% of its original size.

Most ships larger than 1000 tons were put into mothball, for future use. Some were sold. A couple of corsairs even just took the ships with them when they split. Most small and medium sized crafts belonged to their captains, so they disappear when they joined others or formed their own bands.

In end of 1116 and in the beginning of 1117 the rumours about the problems in the Imperium trailing of Gvurrdon started to make its appearance, and the newly arrived tirades of Oekhsos that sparked the anti-Imperial flame in the extends. The organization could have been discontinued hadn't it been for these events. A new leader arose from the council of leaders. This new leader have both charisma and the necessary skill to run a corsair band. She came to power by assassinating her adversaries to the leadership. Anuekhs An Gzoug (Flame that burns) which she calls herself. No one knows her real name. and no one have dared to ask.

#### 1117 and 1125.

She soon saw the possibilities that lay open to rise Kforuzeng back to its former glory. She decided to contact Kedzudh to sign a new contract treaty.

This was done in mid 1117. Encouraged by the flowing news about the continuous success among the corsairs trailing of Gvurrdon, sparked her inspiration.

With the conclusion of the treaty or contract with Kedzudh, a treaty Imperial officials refer to as the Glass-Bond, the coalition set out to remove the Imperial presence in Gvurrdon sector. The Imperial Naval outpost at Triad (Gvurrdon 2436) was the first victim to their assault. Only a few managed to escape the onslaught from the coalition. Secondly Pandrin stood for turn. At Pandrin, Oberlindes Lines had a major centre there for trading with Vargr merchants. Luckily enough the staff at the centre had been given advanced warning enough so that they could escape capture, but much expensive equipment had to be left behind.

Late 1117 The Kforuzeng/Kedzudh coalition poured over the Imperial borders, mainly into Aramis subsector in Spinward Marches. This happened after several softening and probing attacks earlier the same year. The news of that the Aslans had penetrated the Spinward Marches borders to the rimward was encouraging on the leadership of the coalition, and renewed energy were put into the attacks.

However in the eve of 1120 the coalition lost some ground, but the losses haven't discouraged the corsairs. More Vargr are rallying to build up the former glory of Kforuzeng.

#### 1126 and to "The New Era"

When Norris managed to get a peace agreement with the Aslans and the news of the Impending Virus threat Kforuzeng once more found them selves looking down a unified Imperial mesongun barrel. Only fast thinking and prevented major losses for the Glass Bond alliance between Kedzudh and Kforuzeng.

But the Kforuzeng was not safe after a successful retreat from the Spinward Marches. The Imperial navy was intent on eliminating Kforuzeng as a threat once and for all. Several bases was hit, and Kforuzengs main base was lost in 1130.

After that incident only a handful ships managed to keep together. Fortunately incidents inside Gvurrdon gave new markets for Kforuzeng. They channelled their efforts toward mercenary activities

rather than raiding as the Virus threat had all major powers on their toes.

#### Organization of Kforuzeng.

In the first years the chain of command was linear, from leader through individual captains of the different ships down to the ensigns. Just like a chain of command found in the armed forces. As the organization grew, it could not continue to be like this. Kforuzeng administered a large area at its peak and normal linear command chains just can't take that strain the Vargr psychology puts on it.

When Kforuzeng expanded beyond the Gvurrdon borders, the leadership soon realised that they had to appoint charismatic leaders to subgroups. At the peak of the organization the were much as 12 subgroups with their own leaders that answered for their action only to the leadership council.

The division of the grouping are changed in the broad sense, but the purpose and the mechanics are the same as the old system. The groups are as following: Tuglikki front, Gvurrdon front, Base Front and Fueznuzorg.

Gvurrdon Front-- This division takes care of the organization and of the units that help Kedzudh in the Spinward Marches conquest campaign. It is also responsible for the ships, personnel and equipment of its group.

Tuglikki Front-- This group have the responsibility to raid on the Denebian border, and to recruit and coordinate the different interested corsairs in Tuglikki sector. It have also the responsibility to stay in contact with the bands that are Trailing of Gvurrdon.

Fueznuzorg-- This is maybe the most feared group in the Kforuzeng organization. Its job is to ensure that the different other groups will not double cross the kforuzeng organization. In addition it hunts down opposition groups that split from the Kforuzeng. It can be viewed as an internal police and security force.

Base front-- This is the main body of the organization. Its main responsibility is to coordinate all the groups into a single unit. It does also do the final decision making and the overall planning. It is also recruiting corsairs in Gvurrdon sector.

The leadership council consisted of a wide variety of professions emissaries,

doctors, tacticians and administrators to aid the leader in the decision making. The council do also have representatives from each of the subgroups.

After Kforuzeng became their own political entity and ruler over worlds, their organization changed. From a military organization to a more political one. But still they are offering free haven for corsairs that need protection.

#### Fighting ships of Kforuzeng.

The size of the fleet to Kforuzeng was quite fluid. At their peak pre-rebellion time their fleet counted about 20 ships at the most. In the rebellion era it soared to more than 55. And in 1200 it was up to about 60. But in a tight spot they can rise about 150 more due to the local navies and other corsairs that would be obliged to lend a paw.

Pre rebellion most ships was in the 200 to 600 ton range. They also had a few ships from 1000 to 3000 ton. Their 200 000 ton BB was an anomaly. Most likely that craft was lost due to under crewing and incompetence. That is the most common theory.

During the rebellion era Kforuzeng managed to get a few more heavy crafts after a cooperative and daring raid on Triad with Kedzudh. Here the Glass-bond coalition captured 5 capital ships. Three of them was given to Kforuzeng.

In about 1119 Kforuzeng found a derelict craft of 75000 tons floating in space. With great difficulty they managed to repair the jump drive and haul the craft to their base. First in only served as a defence perimeter and prison camp. But work was going under way to restore the craft back to service. The craft got never finished before the Imperium counterattacked and overtook the base in Ueghrrozue/ Gvurrdon (2339).

During the Rebellion era Kforuzeng got their maybe most powerful ship in its history. A 30000 ton large cruiser. It was finally delivered after several years of delay. It barely escaped the Imperial Navy attack on Ueghrrozue in 1130. And Ozarr are still in service with several upgrades in 1200.

#### Personalities of Kforuzeng.

Many of the council members in the Kforuzeng's leadership have different backgrounds. A large organization like this needs a leader organization that are able to draw inputs from all kinds of sources and professions to be able to make the right decisions in the different situations. The brash nature of Vargr doesn't inhibit them from making cunning and well thought out plans. The stats shown here is picturing their status in 1120. Skills and stats reflects **MegaTraveller** rules.

#### Anuekhs An Gzoug, Kforuzeng head leader.

9A596A, Age 38, Hits 4/5, Terms 5, Rank 6 Born 023-1082 on Neredhueraeng/Gvurrdon (0939). Starport A, Small, Very Thin, Dry, Low pop, Low law, Avg stellar

Handgun-0, Computer-0, Grav veh-1, Infighting-2, Fleets tactics-1, Zero-G Env-1, Laser weapons-1, Pilot-3, Leader-2, Ships tactic-2 Gambling-2, Ship's boat-0

Coming from a well charismatic family, she could have come a long way in the normal way of life. But she never found that the "normal" life could not quensh her thirst for adventure. She soon proved to be violent in nature, which put her into trouble several times. She joined Groegh corsair band in 1100, which in 1103 attached itself with Kforuzeng. After this Anuekhs saw the potentiality to rise fast in the grades. Which she did. And in mid 1116 she took over as head leader for Kforuzeng.

# Oevuko Dzakhorrdze, Emissary and council member in Kforuzeng

5C89D9, Age 50, Hits 4/5, Terms 8 Born 012-1070 on Llathoevaghoe/Gvurrdon (0323). Starport B, Med, Std Atm, Wet, Mod pop, High law, Early stellar

Computer-0, Grav veh-2, Handgun-2, Liaison-5, Streetwise-2 Leader-1, Vacc suit-1, Carousing-1, Pilot-3, Admin-1

Started out his career in the emissary school of Tsu Thoezhou, the emissary school owned by the Zhosokh Urs. Graduated as the best of his class. Joined Kforuzeng in 1100 when they was searching for a skilled emissary to handle their contact with Kedzudh. At this time it was apparent that Kforuzeng could offer good charisma increments for those who worked for them. He managed to get results in the tense and sceptical leaders in Kedzudh, by persuade them to believe that they would be free of corsairs if they signed this treaty. In 1116 he managed to repair the severed bonds with the Kedzudh allegiance.

#### Khanzungin, Anuekhses bodyguard (ex-rogue)

E9B5C7, Age 34, Hits 5/7, Terms 4 Born 1086 on Ellfaegoezou/Gvurrdon (0808) Starport E, Med, Dense atm, Wet, Mod pop, High law, Industrial

Wheeled veh-1, Handgun-2, Streetwise-2, Carousing-3 Infighting-3, Demolition-1, JOT-1

Joined the Kforuzeng a few years ago by a mistake. A lucky mistake in Khanzungin's eyes. He left his home planet early at an age of 15 years. He was a stowaway on a merchant that visited his home system. He was detected and handed

over to the local police at the destination planet. His parents was not found when he did not want to cooperate with the police. At an age of 18 he ran away again, and started his career as a rogue. In 1114 he coincidentally broke into a warehouse where a small group of Kforuzeng corsairs had staged a meeting with the local mafia. The local police had the warehouse under observation. When the police took action, Khazungin found himself helping the corsairs to get away. It turned out that Anuekhs was heading this group, and they have stayed together since then. He is now a bodyguard for her, but many suspect that there is more than just the bodyguard business that holds them together. Many finds him attractive and sympathetic. His carousing skill have helped him out of more than one difficult situation. Even humans find him sympathetic for a corsair. Being a Urzaeng Vargr he stands nearly 200cm tall.

**Dholltogaegae, Corsair and Base front security chief.** 9A8976, Age 42, Hits 4/6, Terms 6 Born 054-1078 on Raezarourkallarakhs/Gvurrdon (1126). Starport C, Small, Wet, Std Atm, Low pop, No law, Avg Stellar

Handgun-0, Grav Veh-1, Ship's boat-1, Bribery-1, Zero-G-3 Leader-1, Intrusion-2, Vacc suit-1, Computer-3, Rifleman-2

Took over as security chief short after that Anuekhs took over as the head leader. However his skills haven't improved his charismatic standing much, when Anuekhs and Dholltogaegae got two different ways to implement security measures. Dholltogaegae takes his work seriously, and most others have found his company straining. He is often in conflict with Anuekhs, which has made his status strained among other Vargr. In the beginning they worked well together, but the happiness soon disappeared when it became apparent that Anuekhs found it more enjoyable to be with her bodyguard than with Dholltogaegae. And he hates Anuekhs bodyguard. If he can get away with it, he will kill him.

# Kfoerrgsaksorz Dzekh, Medical advisor and council member

5C5E78, Age 58, Hits 3/5, Terms 10 Born 248-1062 on Gantsugh/Gvurrdon (0809) Starport A, Asteroid, Vac, Desert, Low pop, No Law, Avg Stellar

Grav Veh-0, Vacc suit-0, Handgun-0, Computer-2, Small blade-1 Genetics-2, Liaison-2, Medic-5, Mechanical-7

Got early on interested in medical subjects. As a young she always helped out on the station her parents lived on when someone got hurt. Took basic studies by ordering a study package from Feki, a school that sends out packages for students that live at places that makes it difficult to attend to colleges and universities the normal way. She soon worked up skill enough to get a certificate. When she got this she took job on board a liner-freighter. She worked on several ships, until the ship she worked on got attacked by Kforuzeng corsairs in 1102. Until this she had not experienced any increase in charisma. She saw this as an opportunity to get better pay and reputation. She was accepted as a member when she showed that she could work wonders with her hands. Her mechanical skill

proves its versatility when making prosthetic. She raised fast in charisma, and was taken up into the council in 1109 as medical advisor. Lately she has also widen her field into psychological matters.

#### Future plans.

Anuekhs An Gzoug has big plans for the future Kforuzeng. She's trying to expand the organization further trailing, and to get in contact with the groups that occupy Corridor sector. She wants to thrust into Deneb sector to get to the naval depot there. This facility holds many things that she desires to use for expand her group, but it also would be a strong positive increase in charisma if she can pull this off. This is an ambitious goal, and she know that she can't try to do this move before she get Kforuzeng back to its former glory and bigger. Having contact with the Vargr forces in Corridor would help considerably.

One of the many things she wants is black globes for her capital ships. This would increase the Kforuzeng fleet strength many fold. But she will need help from the independent groups in Tuglikki and she will need support from the Corridor occupants to pull this off.

## Commonality of Kedzudh

Kedzudh are known to be a political entity that changes frequently with the wind. Their loose alliance was first formed to face off the corsair threat. Then later they formed alliance twice with Kforuzeng to get a piece of the take when the opportunity presented itself. AT last they had to cooperate with a former enemy to face off the Virus threat.

#### History

Commonality of Kedzudh was first established in 1044 to an answer to the corsair threat. The main enemy at that time was Kforuzeng, that had been around for about 3 years.

As Kforuzeng grew, Kedzudh got more followers. In about 1100 Kforuzeng changed tactic. Kforuzeng managed to get a treaty signed with Kedzudh. Kedzudh needed rest from raids, and Kforuzeng needed a safe border to cross when the going got to tough.

Kedzudh needed support to secure its borders. At first it may seem strange to outsiders that these two groups sign a treaty. The reason was that Kforuzeng had no raids into Kedzudh between 1078 and 1100. Most pirates came either from the Imperium or from Tuglikki sector which Kforuzeng only had limited support from.

After FFW the atmosphere between Kedzudh and Kforuzeng get surlier, due to the Imperium's attention to vargr corsairs. When Kforuzeng seemed unable to keep its groups together and unable to protect Kedzudh from raiders the treaty got nullified.

#### The rebellion years

When Kforuzeng started to loose control over its subgroups, and the treaty with the band got nullified, a lot of worlds to the coreward left the communality. The reason to this was that they could stand up against the Kforuzeng

now that it was weakened. They was neither threatened by the pirates from the Imperium.

When the anti-Imperial Oekhsos tirades was released through entertainment devices, Kedzudh managed to get new members. The tirades did also help Kforuzeng from being disbanded.

Kedzudh had from the beginning encouraged vargr that lived in the coreward systems of the Marches to revolt against the Imperium. However this proved difficult when the Imperium had too strong presence there.

When the rebellion started in 1116, which threw Domain of Deneb into much confusion, Kedzudh started to lie plans. With the vargr invading in Corridor and the Aslans entering Spinward Marches in 1117 Kedzudh and Kforuzeng attacked the coreward border of the Spinward Marches. Kforuzeng and Kedzudh had by this time made a new treaty. The Glass-Bond as it is refereed to by Imperial vargr experts.

The reason to that Kedzudh re linked with Kforuzeng is that Kforuzeng got the know-how. Kedzudh did have the vargrpower and funds, but lacked the skilled leaders. Which are needed to perform a military action against the Imperium. But not only the combined force of these two groups did secure the operation.

Already in 1113 Kedzudh had established a undercover network within the Imperial borders. This is the main reason to that Kedzudh and Kforuzeng managed to get far as they did when they launched their attack. The vargr rich worlds coreward in the Marches proved to be excellent source to find anti-Imperial sentiments. All that was needed was to get this seed to grow.

#### Military during the rebellion

Prior to the invasion of Aramis subsector in the Marches, Kedzudh built new ships. Some large as 15000ton. The attack on the Imperial Navy outpost at Triad (Gvurrdon 2436) was fruitful. The coalition managed to capture several crafts in dock.

This gave a valuable boost to the military strength of the coalition. However the captured crafts was not used in the initial attack on the Imperium, when the coalition had to figure out how to operate them properly. Neither was it time to train crew and move the crafts into position. The Imperium would soon detect that an entire squadron was missing. With the help of the underground groups in the Imperium. The coalition managed to capture many systems before the Imperium managed to relocate their forces and build up a front line. At present the position of the front line have been stable after the Empire managed to take back a few systems. See the map in MTJ #1 for current front line position.

#### The arrival of the Virus

The virus infection saw an end to the rebellion and the ensuing peace between the Aslan and the Imperium was a major drawback for Kedzudh. In order to survive Kedzudh had to withdraw their forces to contain the Virus outside their borders trailing of them. Fortunately the Imperium did not hold a grudge and sent help. But the Imperium also set up strict conditions to help Kedzudh from the impending disaster. The choice between Imperial control and total destruction was rather simple.

Even though the Imperium or Regency as it later came to be known as do not rule Kedzudh, they have a rather strong presence in force to help with the quarantine enforcement of the trailing border.

#### Government.

The government of Kedzudh is built up by representatives from the various governments in the different systems. The different worlds in Kedzudh conduct their own interior and exterior relations. However the Kedzudh government tries to coordinate the different systems. This is done so that all the systems may gain by the work done.

#### Military.

The worlds had initially their own military forces and administrated this as they saw fit. However to meet the corsair and the pirates from the Imperium they built a small space police/navy force. This force had two fleets of about 10 ships each. The largest ship was a 8000ton destroyer.

#### **Quarantine forces**

After the spread of the Virus a central command for the quarantine forces was set up with the help of Regency navy. Once former enemies now had to face a mutual treat.

As the Kedzudh navy got severely beaten in the retreat from Spinward marches it had to be reorganized quite extensively to cover the ground. There is 8 squadrons organized like this:

1 Light cruiser from Regency, 4 destroyers and 6 light escorts. In addition comes 2 to 4 squadrons of fighters.

Without the presence of the Regency naval ships and advisors the quarantine probably would have failed a long time ago.



Thirz Empire are maybe the most stable political entity in Gvurrdon in history. Heavily influenced by the Zhodani. Zhodani opted for stabilizing the Empire rather than to fight it to secure Zhodani borders. The gambit paid off. In Thirz Empire you can find the only loosely organized Psionic institutes which are sponsored by the Zhodani.

#### History.

Thirz Empire was founded in 1016 by Aztangkuella Thir¹. He came from an old family of aristocrats. Thir was born 969 on Uthgvoe (Gvurrdon 0512). When he came of age he started in politics and soon got popular for his high charisma.

In 1012 the interstellar government that Uthgvoe belonged to went through political upheaval. A short civil war followed. Uthgvoe was spared from most of the war by declaring neutrality. When the combatants had expended most its fighting strength Thir took a gambling chance an appealed to both sides. Peace talks started in late 1014, and armistice was declared. In 1015 agreement was met. And in 1016 Thir was declared unanimous by the new council, King of the new established empire.

#### Government.

The King is the head of the government. Next under him is the council that are staffed by aristocrats that have been voted into their positions by the peerage. The peerage consist of aristocrats that come from the different worlds in Thirz empire. A council member is voted into a position for 3 years. There is no limit on how times a member may be elected into the council.

The different worlds are represented in the peerage, but only one aristocrat

may represent the world in the council. Each world do also have a governor that represent the King on that world. This governor are usually from the world he or she is assigned to. In some cases the King may assign someone else as governor on that world. This is particularly done on worlds that have fallen for conquest. Most of the worlds Society of Equals lost to Thirz Empire have governors that is not citizen of that world.

The king sits for life and his oldest son will take his seat if the king should die. He has vote in the council, but not a final decision. He have however delayed veto right. If a law or motion that he don't like are about to pass, he may lay down veto on the suggestion. The suggestion may not be taken up before 2 years have passed. The only member that can take it up before this time, is the king himself.

#### Oekhueso Thir

The current king Oekhueso Thir took over only 20 years old in 1109. He is the fourth king in succession. His first major test was the Equality war fought from 1111 to 1116. Thanks to his training from his father and his tutors he managed to keep the enemy at bay. Even for his inexperience he managed to keep the council together so that he could draw on their experience to solve matters. He did not make any rash decisions. His analytical mind helped him to take the correct decisions where it counted.

After the war he rolled on a wave of high charismatic increase. In the latest years he have been working to get the worlds conquered from Society of Equals to accept his leadership. A few worlds have been swayed when their living standard have improved somewhat after the war.

He ruled Thirz Empire from 1109 until his death in 1175

#### Oekhueso Thir, king of Thirz Empire

59587B Hits 3/4 Terms: 3 Born 305-1089 on Uthgvoe, Psionic power: 10, has no psionic ability.

Handgun-1, Computer-1, Grav veh-1, Leader-3, Tactics-1, History-1

#### Military.

All military forces in the imperium is under the kings command without exception when he can declare that the nation is under threat by outsiders. In peacetime he can only command the Imperial navy and the Imperial troop forces. These forces are financed in several ways.

- Hiring out forces to non-Thirz worlds that need help.
- Taxes on the different worlds.
- · Piracy in hostile space

#### Relations to Zhodani.

When Thir began to expand his imperium, Zhodani sought his cooperation when they could use him as a tool to prevent corsairs intruding on their worlds. They have helped Thirz Imperium with many things. A few of these things are:

· Cheap psionic training for the royal

#### family

- Military aid. Giving Thirz better technology
- Financial aid. Helping Thirz to establish trade agreement with Zhodani worlds.
- · Military advisors.

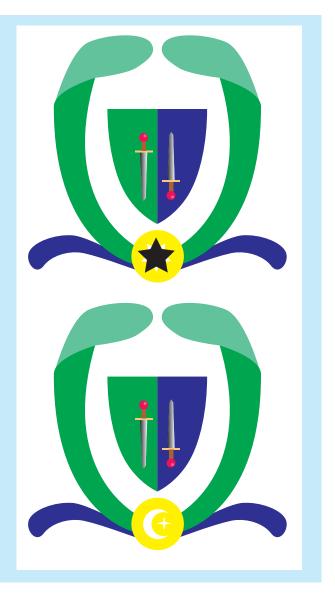
Because of this many outside Vargr views Thirz Empire as a large client state of Zhodani.

#### Insignia.

The insignia of Thirz Empire is the same used by the family of Thir in more than 1200 years. The circle under the shield holds the personal emblem of the family member. Thus the shield is present in all the family insignias, but the personal insignia within this circle changes from person to person. Thus when the old king died in 1109, all military starships and banners had to change the circle under the shield to the one now present. The old king had a red flower as his personal emblem.

The swords got red pommel and the shield is coloured blue on the dexter side (left), and green in the sinister side (right). The star is black with bright golden background. The lower part of the wreath looking thing is coloured blue like the dexter side of the shield. While the two branches that circles the shield has the same green colour on the lower part as the sinister side of the shield. The upper part got a lighter shade of green.

The examples to the right show the insignia for Oekhueso Thir (top) and for his son that took over in 1176 Fuerrtoekh (bottom).



#### Oruelaen, psionic forces of Thirz Empire

When Thirz empire was first founded in 1016 the Zhodani found it wise to have good relations to the new founded empire. Not that it feared it, but because the relationship would be of most importance when it came to the control of space in non Zhodani territories.

Zhodani realized that they would have difficulties to control the corsair threat without outside help. Thirz Empire was found to be the best candidate. Thirz the First enjoyed high Charisma increases after he was proclaimed king. With Zhodani help he could expand his borders both spinward and trailing.

Out of this cooperation there was trained a few selected sophonts to a new special force. A psionic force group (PSG) called Oruelaen.

The close contact with Zhodani gave cheap and quite reliable psionic training to those who could afford it. The royal family is tested and trained for free.

#### Roles of the PSG.

The PSG is a small group of 250 sophonts. Officially they are known as the Royal Guard. This guard or group has several roles, both publicly and more secret roles. Only about 50 of the members are known by the public. And about 12 of those are truly famous. The others have not been recognised by name when they are doing jobs that demands discretion.

The group is not a intelligence group, but have close contacts with the Thirz Empire Intelligence network. The main roles for this group is:

- Bodyguard for the King. 12 Sophonts are designated as permanent bodyguard for the King, and at least four is present at all times when the king meet strangers.
- Public relations. This is one of the smallest jobs the group does. It handles the communication with news agencies when the group is officially on a given mission. Giving relevant information of what is happening or have happened.
- Investigation. If some problem arise that the king finds particularly interesting he may dispatch a few PSG members to the site to collect data. Sometimes this collides with the Intelligence network. At moments as this there will be cooperation between these two groups.
- Undercover. Sending members on undercover missions is extremely rare. When it is done, there is almost always with the Intelligence Network.
- War missions. Also a rare occurrence. Usually they
  are only sent out on observation missions, but certain
  special missions may be undertaken. This is then done
  with special forces that are trained to operate behind the
  enemy lines.
- Observers. When certain actions are taken. For instance when diplomats are on a emissary mission agents may be present to observe and protect the diplomats.

#### Organization.

Due to the prestige and the small size of the group, there is difficult to enlist as a PSG member. Even more difficult is it to increase in rank. PSG members are seldom on dangerous missions without backup from skilled personnel (field agents, commandos).

The only way to increase in rank is when a higher ranked officer is killed, retired or demoted and discharged. The king "owns" the group and may issue any order to it as he sees fit. The king holds the rank of General.

Due to the high responsibility each individual has, the lowest rank is Sergeant. Thus making the lower rank members able to throw some weight around if need be. However they are not to take command if there is a lower ranked that are present that know the job in question in and out.

Example: If a commando unit with one PSG officer present ends up in a situation that calls for special measures. The PSG officer may not take command even if the commando unit officer is of lower rank. If the PSG officer can prove that the commando officer is unable to do his job properly he may take command. In the latter case this will go to a hearing to investigate if the PSG officer acted within his authority.

#### Other races within the force.

PSG accepts other races as members in their ranks if they have high PSI rating. Currently (1120) there is one Droyne Sport and two humans. There have been a few members from other minor races in the force, but that was in the early days.



Society of Equals are maybe the most bizarre Empire in Gvurrdon. A near dictatorship from an elite that with strict rules governs who are equal and who are not. In many ways the society has many parallels with Orwell's "Animal Farm" and a warped sense of the old Terran communism.

#### History.

Society of Equals (SoE) are one of the oldest interstellar governments in Gvurrdon. It dates back to about year 400. Lack of records make this date uncertain. Neither are there any records available that tells who founded this government.

In the latest 300 - 400 years it have stood as a steady rock in the usually fluctuating structure of the Vargr society. But this is only on the surface. It has gone through a lot of changes since it was founded years back.

From 930 to 1030 it quadrupled in size, most of it can be explained by sharp charismatic increase in the leaders, but equally true is it that much of the territory fell for conquest. From 1030 to about 1110 there was little change in territorial boundaries.

SoE had for a long time border disputes with Thirz Empire. In 1109 when the old king of Thirz Empire died, plans for conquest in Thirz was laid. The young Vargr that inherited the throne was viewed as low-charismatic by the leaders in SoE. They counted on that his inexperience and relatively low charisma would make it an easy victory.

In 1111 they attacked over a broad front line. At first they penetrated relatively deep into Thirz territory, but then it stopped. Thirz through their contact with the Zhodani managed to re-group and rebuilt what they had lost of military

material. The throne heir did also have excellent leader capability which helped win the war for the Thirz Empire. When peace came in 1116 SoE had lost about 47% of their territory. Most of it to Thirz Empire. A few worlds rebelled and proclaimed themselves independent.

Many of these worlds was later handed back to SoE. But the tension still existed between the two entities, even for the constant threat of the Virus just outside SoEs borders.

#### Government.

Society of Equals are ruled by an elite council. This council are staffed by the most charismatic persons in the empire. There is one representative from each world. They have one vote every million inhabitant for the world they come from. Those worlds that do not have one million inhabitants have to group together so that they can get one or more votes.

A council member sits until there comes another Vargr with higher charisma. As a rule of thumb, the one with the lowest charisma in the council must retire or withdraw if there is someone that have higher charisma.

#### Equality, what equality?

The gimmick with SoE is that before you can call yourself a worthy citizen of SoE, you have to be rated Equal. If a Vargr (or some other sophont) are going to have any of these careers he or she must be rated equal: Any military,

Leader, Aristocrat and law enforcer.

Even cubs from parents that have been rated equal must go through a test. Anyone that wants to may go through the test. It is usually taken at age of 16 to 18 years old.

Not being rated equal do not spell disaster, but the choice of jobs are limited. For cubs to an aristocrat there will be a loss when the test fails. To be able to inherit the title and the estates the cub must be rated equal. If not, the cub will loose most of the inheritance.

The law does protect the un-equal from abuse, but they must take what is second best. If a new world is to be colonized the Equals may choose first where they want to have their estates mines or what ever.

Those who fail the test get their canines pulled. In this way there will be no question about their social status. Those who do not take this test usually becomes wanderers. When they are inside the borders of SoE they must wear a special head wear and belt. These are not treated like citizens, so they cannot get any work. However they are free to go where they please as everyone else.

**REFEREE:** For characters that are born in Dzen Aeng Kho, they have to roll this task before they choose one of the following careers: Any military, Leader, Aristocrat and Law enforcer.

#### Difficult, End, Int, [Hazardous]

Referee: On a major mishap roll 1D+1 and subtract STR, DEX and END of the indicated amount. Example: The PC rolls a 4. He must subtract 2 from STR and one from both DEX and END. For those who manage this task give a CHA+1 and a DM+1 on the enlistment roll on the chosen career. If the parents of the character is rated equal give a DM+1 on the above task. The parents are rated equal on a roll of 9+ on 2D.

#### Ranking.

An Equal ranks above an unequal vargr, but there are exceptions. For instance an Unequal vargr may own a starship and have a crew which is mixed with Equal and Unequal crew. This tend to be rare, but the situation exist. Because a vargr is unequal he or she are not prevented from starting their own business. Equal vargr that seeks employment with them are doing this on their own. And are not forced in any way to do so.

#### Slavery.

Only equals may have slaves. No citizen of SoE may become slaves, Equal or not. However there are rules about temporal slavery for unequals when they cannot pay for any damage they do on someone else's property.

Slaves from outside are to be protected from hazards, but they can be put to dangerous and risky jobs. But only if they get necessary safety equipment. A slave may also be sold further to others if the need arise.

Slaves are slaves for life. If the owner decides he or she may free the slave from slavery. Usually slaves that have performed far beyond their required service are often set free. A slave that have been set free must get funds enough to survive a month. A free slave may applicate for citizenship and then also become an Equal if the test for that rating is passed.

#### Military.

The interstellar forces are financed by taxes of the different worlds. Council members have to contribute with their personal forces. How much they must contribute with depends on how wealthy and how large the population of his or hers world is. Low populated worlds usually only contribute with vargrpower that crew starships or are placed into infantry forces. More wealthy members contribute with starships. Larger starships like destroyers and cruisers

are financed by the taxes.

#### The insignia.

The insignia symbols the canines of an equal. The canines are the symbol of strength and power. Who came up with the symbol is unknown, but the symbol is not as old as the SoE is.

The teeth are white while the background is red, just like in the mouth of a Vargr. On military vehicles and starships the teeth are usually tipped with red so it looks like they have been drawn blood.

The honorary guard have teeth painted in silver. This symbols their steel hard discipline and strength.

#### Warlds of Rukh

Rukh are maybe the most dictatorial empire in Gvurrdon. Even though SoE have a bizarre way to rule, they are usually fair and take their citizens well being quite seriously. Rukh however are very oppressive and controlling, which in the end resulted in its downfall in the aftermath of the war against Anti-Rukh Coalition.

#### **History**

In 1067 Rukh took control over the Aegs worlds. At that time there was internal difficulties, and civil war. During the most heated confrontations Rukh was bidding his time. When the factions at last agreed on armistice, Rukh took control by overthrowing the different leaders. This increased his overall charisma, which was already high.

He restored law and order in the realm. This manoeuvre and his high charisma won billions of followers that gathered under his flock. He secured a local power base of enormous proportions.

However not everyone liked his manoeuvre to gain power. Many worlds rimward of Saell opposed to Rukh. They formed the Gnoerrg Rukh Loell. The anti-Rukh Coalition. This coalition has been a thorn in the side of Rukh since then.

In 1094 The original leader Rukh died. But his successors continue his work through his dogma. After his death they lost a few worlds. The anti-Rukh coalition increased their effort to foil the works of Rukh in the hope that more worlds would pull out.

However this was not the case. The Rukh government had too much control on a local level for the Anti-Rukh efforts could have any effect.

In 1112 Anti-Rukh started an operation to undermine the relations between Rukh and the Zhodani. Agents working

for Anti-Rukh had managed to forge 6 Zhodani charge plates. The zhodani manages to get their hands on five of the plates. Which had been given to a small group of innocents. However the sixth plate did never turn up. One thing that was clear is that Anti-Rukh did not have the sixth plate.

A vargr named Ronak was suspected of being the owner of the last plate. He never turned up. After a few years it became apparent that this plate had been reproduced, when different merchandise was paid with counterfeit charge plates. Anti-Rukh used this to disrupt trading and diplomatic relations between Rukh and Zhodani. The result was that several worlds between Rukh and Zhodani left Rukh.\*

To and answer to this the Rukh attacked Anti-Rukh physically. But the worlds that lie in between worked as a buffer zone. This lessened the effect somewhat. Anti-Rukh did not loose any territory, but a lot of damage to the coalition was a fact.

#### Government.

At first when Rukh seized control of the small Aegs federation billions flocked to his because of his extreme charisma. However soon they also realized that he made his rule to something near

a religion. Anti-governmental work is prosecuted severely.

The Rukh government are an elite council which are leaded by a dictator. The individual worlds have little local control when it comes to exterior policy. Internal policy is somewhat lesser controlled. But the Rukh doctrine must be followed. World governments are not represented in the Rukh government. They have to follow the whim of the Rukh government at any level. Worlds have public election on local rulers, but the candidates have to be approved by the Rukh assembly prior to an election.

One of the first acts Rukh did when he had secured his power base, was to nationalize most of the bigger corporations. Especially Saell felt this. Seall is overpopulated, and the unemployment rate was extreme. The nationalization of the largest companies helped distribute the goods more evenly, but to the cost of galloping inflation.

#### Military

All military forces are gathered under a central command. The forces are usually built from the world they are going to protect, but units often do change bases from one world to another. This circulation prevents worlds to have soldiers that will not shoot at locals in case of upheaval. Soldiers sympathize less with vargr they do not know.

The military forces are financed by

<sup>\*)</sup> The book Alien Realms covers this incident in the module No Credit Check. The module do not specify what the following to this incident will be. By comparing the map in AM3 with the map in V&V there is a few worlds that have left Rukh. I decided that this incident caused this.

taxation of the individual sophont on the different worlds.

#### Internal (un)rest.

To maintain control over the population to that degree the government have, they need an opposition. To Anti-Rukh's annoyance, they represent this opposition. Militarily Rukh could have crushed Anti-Rukh in matter of months. But by doing this they will loose the external enemy the government need gather the population against.

Thus Anti-Rukh are actually allowed some success in their work. But then only on a limited scale. Time to time Anti-Rukh have had some very successful operations. More successful than the Rukh would have allowed if they could control the events completely.

However there is internal difficulties as well. The knowledge about the universe outside Rukh is limited by the general population. This helps to disinform the populace. So generally the population believes that the Anti-Rukh is the big bad alien that will kill them if they get the chance.

The coreward worlds of Rukh are more distant to Anti-Rukh, thus the treat from them is smaller. To make this treat larger, Rukh have allowed a small number of Anti-Rukh sediments infiltrate these worlds.

Rukh do also carry out operations to scare the population to believe that there is more enemies present than there really is. Thus creating the illusion of that they have been penetrated and the enemy is constantly in their midst.

#### Uku.

Uku is the secret police in Rukh. It is divided into four branches. Each with their own responsibility. The branches are:

- Counter espionage. This branch monitor and arrest foreign spies that operates within the borders of Rukh.
- Espionage. This branch run cover operation outside Rukh borders. Mainly in Anti-Rukh worlds, and in the worlds between Rukh and Zhodani.
- Population control. This branch, which is the largest, monitors internal dissidents. This branch operates closely with Counter Espionage branch.

Military intelligence. This branch gathers military information from other worlds and interstellar governments outside Rukh.

Uku have operatives and offices on all planets within Rukh borders. They are known to be ruthless, and are feared by the general population.

# The groups of Gvurrdon. As per 1200 Imperial

Gvurrdon is filled with different political factions and groups. All got their own agenda, and goals for the future. This makes it and different place than most other sectors in charted space. The different outside groups as Zhodani and Regency add to the confusion. The alliances among the groups are also difficult to understand at times. Here's a small presentation of other groups that exists or has existed in Gvurrdon sector.

#### Allez:

Remnants of the old Rukh alliance. The Rukh party tried to hold off long as possible, but when the break did come, they lost all control. After several years of internal fighting, a loose group of aristocrat managed to get some kind of control. The alliance is now ruled by the aristocrats, but the worlds got some self rule to a limit. They might not pass new laws without the Allez government gives them permission to do so. They have over the last years worked with improve their relations to the surrounding factions, among those Regency. Zhodani already got an embassy here, from the time Rukh existed.

#### Church of the Chosen One:

This quasi-religious sect has been diminishing the last 50 years. During the Rebellion, and shortly after it registered a small increase in popularity, but the advent of the Virus changed the opinions again. As a result of this they have closed most of their centres, turning their resources into finding the Ancients, to prove once and for all that the Vargr is meant to inherit the universe after the Ancients.

#### **Gvaeknoks Trade Union:**

Formed in 1172 when Gvaeknoks got fed up by the trading difficulties between Thirz Empire, and Society of Equals (SoE). A new base had to be found. The break up of Rukh gave the right opportunity to establish a base where Gvaeknoks could keep a political presence without losing control. The

Gvaeknoks Trade Union (GTU) was formed short after. Gvaeknoks holds the control over the interstellar government, but the worlds themselves maintain their own government. Gvaeknoks got even more popular as it invested in different projects to build up the local economy. Thus Gvaeknoks can buy cheap and sell expensive to worlds outside GTU.

#### Noerrgh Confederate:

A dissident group lead by Noerrgh started to get popular in 1178. By two years it has spread to near lying worlds. Noerrgh wanted to disband the monarchy of Thirz Empire, but the Royal Thir Family resisted. Armed conflict broke out, but an armistice was reached in 1182. Noerrgh Confederate is actually a wobbly alliance. They don't seem to manage to agree on a single item. The only reason that it still exist might be that Zhodani got some control, with help of Thirz Empire, over the group. Why Thirz has not moved in and taken control is not known.

#### **Oberlindes Lines:**

A Spinward Marches based trade company. They are maybe the best traders in the sector, not counting Gvaeknoks. As the peace has been spreading through the rimward reaches of Gvurrdon Oberlindes are looking into reopening their base at Triad, that got closed in 1117. Further expansion into Gvurrdon are also planned, but there is a few problems. Kforuzeng got quite a presence in the rimward portion. Economic analysts just wait on the day that Emissary the Oberlindes trade cruiser will clash with the light cruiser of Kforuzeng, Ozarr. Gvaeknoks do also close their borders for Oberlindes, making a coreward expansion difficult.

#### Regency:

Doesn't have any direct presence in Gvurrdon, but keeps emissaries around in the different groups to know what is happening. They got best relations with Thoengling and Rueks Legacy. The relations to Kedzudh and Ve Ekhlle Ksafi are also softening up.

#### **Rroerz Uerra:**

This is actually what is left of Anti-Rukh coalition. When the Rukh war was over, these worlds rebuilt their society. Helped by a Zhodani backed Rroerz political party. The Zhodani presence has been fading the last few years, but still there.

#### Rueks Legacy:

One of the splinter groups of old Rukh. They hold a small base, and try to stay out of trouble. To protect their worlds, they have hired ships from 40th squadron. Repeating raids from Corsair's Den saw to this.

#### The Freedom League:

Also called Corsair's Den by outsiders. Kforuzeng has control over this alliance, even on local world government level. However not full control. Kforuzeng tried to take full control, but found it too difficult, and that they could loose Charisma on it. However after Kforuzeng took over the situation on the worlds became actually better. Many corsair groups sought to Kforuzeng after this. Corsairs that visit this place can come and go as they like, far as they do not break any rules here. No one asks questions where the wares comes from. The trade taxes are also quite low.

#### **Thoengling Raghz:**

Has always had good relations with the Third Empire, and continue to nurture this through Regency. It is maybe the interstellar state that has suffered most from the Virus. First they managed to keep it at bay, but a breakthrough forced the Thoengling Navy to withdraw. The Capital was lost in matter of weeks. Now there is only a handful worlds left from this state, which once was the biggest is Gvurrdon.

#### Ve Ekhlle Ksafi (40th Sqr):

One of the alliances that participated in the FFW against the Imperium in 1107 to 1110. The government is a strict military rule, but the individual worlds have been getting more to say the latest years. The reason for this might be by the pressure from Regency because of the Virus. Ve Ekhlle Ksafi doesn't like Regency much, but it is not strong enough to make a dent in Regency's armour. The fleet capability of Ve Ekhlle Ksafi has been built up over the years, but still small compared to other groups.

#### Zhodani:

Their aims for the Gyurrdon sector has changed over the years. As their long time allied Rukh disappeared, Zhodani had to move in with force to prevent that Zhodani owned industry didn't get caught in the middle. However they was not able to prevent that Rukh broke up, maybe for the best. As Zhodani sought after to control the groups along their border to keep the border worlds safe, it got easier now that the tension in this area of space loosened. It did also get easier to deal with the different worlds after Rukh disappeared. Zhodani has opened quite a lot of trade missions in Gvurrdon the latter 20 years.

## Aliens of Gvurrdon Sector

As most other places in charted space, the universe is teeming with life. Gvurrdon is no exception. Bare one thing in mind, none of the races presented here are official to date, and I do not know if there is any official minor race present in Gvurrdon.

The number of minor races in Gvurrdon aren't large. Neither are they well known when most of their worlds are dominated by Vargr presence, or rulership.

#### Katl\*'latl

The Katl\*'latl is a amphibian race that are able to live on land as in water. The combined gill and lunge system sees to this. However they may not stay on land too long or they freeze up, as their planet got temperatures in the far sub zeros. They are about 1.5 meters high. A bit stocky, but quite agile. On the head and back they got a sand coloured fur that are impregnated time to time to prevent it from getting wet. Elsewhere they got black or dark grey leathery skin.

Their hands have 6 digits each and 2 thumps on each hand. The digits got 5 joints, and are webbed out to the fourth joint. Their legs is configurated as human legs, but they got 3 toes which are fairly long. The toes are webbed. They got flat noses and two eyes that are spaced far from each other, giving an effectively 210 degree field of vision. Their vision is not as good as human. Their hearing is another matter. They are capable of hearing sounds that are in the deep sub-sonic. Underwater the Katl\*'latl navigate with smells and sonar. They emit high frequency pitches that reflects back to them, just like Dolphins. Underwater this may also be used as weapon against small targets as fish. Communication underwater is made by sub-sonic sounds that carry well in water. On the surface, they use the same language, but the pitch is changed so that it goes better with the thin air.

Katl\*'latl may move around in different environment, but they got some physical limits. Gravities higher than 1.3 may be harmful for them. So is temperatures above 24°C. Water temperatures at this level are avoided at all cost. In air this is somewhat easier to avoid by donning suits when travelling off world. If the Air temperature is between -1 and -40 degrees Celsius they produce anti-coolant liquid that is pumped into the bloodstream. They can operate outside in lower temperatures, but only a few minutes.

#### **Bwampbs**

This race is bizarre, not only that, but the world is utterly hostile to most other races. Evolved on a world with temperatures in the far sub zero range, has trapped this race on this planet. That has not however stopped them from making their own space program.

They breath a mix of Hydrogen and Chlorine. Something that would normally classify them as an active race, burning energy at high rate. However this is not so with this race. They are large weights about 400 kilos each, the female is a bit larger. They are carnivorous, with a different method of getting food, than other carnivore races. It uses Psionics to trap its prey, which are eaten alive. This easy hunting method forced them to adapt when their prey got scarce. Thus they began with domesticating of food animals. This lead to their introduction to sentience. Contact with Vargr later on, improved their technology.

Their skin is leathery and yellow, with a iridescent green tinge. They got 2 eyes looking straight forward, but their eyesight is rather poor. They are good at detecting movements, but for detail study they are not good enough. They got six limps, the forward pair has evolved into arms, which are a bit stocky, making their appearance clumsy. Their head is small, apparently too small for such a large body. However their brain is not situated in the head, but in the chest cavity. The lack of brain in the head makes it rather flat and narrow, with two radar dishes standing out from the sides, which actually are their ears. Usually they don't wear clothes, but for ease of identification for off worlders, they wear a coloured bandolier over their shoulder.

#### Jaylay-yay

An amphibian race, that uses most of its time on the surface. Prior to contact with Vargr, they had developed only rudimentary technology. A few places had reached early iron age.

This race has one rare ability that has not been observed in a such advanced race. And that is the ability to give electric shocks. But this does not mean that the Jaylay-yay is immune electric shocks themselves. If the target is insulated, it will backfire. In water the target just has to be close to the Jaylay-yay to work. However the effect is then 360 degrees out from the Jaylay-yay.

| World                | Hex  | UWP         |   | Codes           | PBG    | Stars      | Race       |
|----------------------|------|-------------|---|-----------------|--------|------------|------------|
| Fufoekkfal           | 0112 | E638688-7   |   | Ni Si           | 912 Vb | M9 V       | Katl*'latl |
| Angudh               | 0401 | E7A77BA-B ( | С | FI Si           | 721 Va | M7 V       | Bwampbs    |
| Inghinfudzolorz      | 1037 | B6A5786-8   |   | FI Si           | 343 VI | K2 II M3 V | Jaylay-yay |
| Raezarourkollarrakhs | 1126 | C466634-B   |   | Ni Si           | 621 Vf | F0 V       | Xienner    |
| Tirrokoelaegz        | 1821 | B463645-A   |   | Ni Ri Sv        | 312 Vc | F4 V M4 D  | Tirril     |
| Aellaesgvarzath      | 2128 | A231365-G   |   | Lo Ni Po O:2129 | 210 Va | M1 V       |            |
| Gaekloungoerzaghun   | 2129 | A697A78-G   |   | Hi In Si        | 834 Va | F4 V       | Ungrest    |
| Fae Kodh             | 2536 | D445313-7   |   | Lo Ni Sv        | 301 Va | M4 V M1 D  | Bzruellokh |
| Ozago                | 3107 | C331731-7   |   | Na Po Si        | 501 Va | M0 V M4 D  | Opliaraz   |

Note that these stats are updated to TNE (1200 Imperial). Do also note that system 2128 has no native aliens, but that race from 2129 has colonized 2128. The codes: Si stands for Native Sophont race in control of Government. Sv stands for Native Sophont race, but Vargr in control of Government.

The Jaylay-yay is omnivorous. They are lightly built, massing an average of 75Kg. They got 4 fingers on each of their two hands. The hands are webbed, but not all the way out. Their toes are not webbed at all. Their head holds four eyes configurated such that the upper pair is the only part that is above the surface when they swim in water. However studies show that the upper pair has been weakening over the generations, due to disuse. Their skin is scaled like a fish, but near the joints it goes over to more leathery substance. Their colour varies from all the colours in the rainbow, something that makes it easy to tell the individuals apart.

#### Xienner

This race comes from a world which are fairly warm, and quite high air humidity.

Much of the planet is covered by large forests and jungles. The Xienner descends from a stock of omnivorous primates, just like Humans. Although for this similarity, there is no way there can be confusion between Humans and Xienners.

Xienners got slim graceful bodies. Their average height is about 180cm. They got a 150cm tail. They are biped with digitigrade legs. Their forelimbs are long and slender, with 5 fingered hands. Their body is covered with fur which are white or golden, with shades in between. Their face looks somewhat like a baboon, but covered with short and stiff hairs. The nose got long whiskers. The tails is good enough to pick up items like bags and key rings and the like. However it is not capable to carry much weight.

One thing that is unique to this race is their shape change ability. They are

not shape changer in the meaning that they can alter their features from original shape to sludge or a human. But they can change their shape so that the body, limbs and the like get configurated better to do the work at hand. This ability is controlled by an enzyme that is let out into the bloodstream. The ability to generate more of this enzyme diminish with age, so old Xienners can't shape change at all.

This shape change would have made them perfect soldiers, but they are friendly and peaceful. Their culture is closely related to the nature, even for their high technology. Killing can only be done in necessity. This has made them the perfect diplomats, which are sought after in Gvurrdon and surrounding areas. Another feature is the total lack of Psionics. They can't utilize psionics at all, and try to mindread them is futile.

#### Tirril

This race are covered in a separate article in the library data section

#### Ungrest

This race descend from a desert dwelling carnivore. It got a thick hide, almost chitin like in substance. They are somewhat hunched. When rolled up they are totally hidden behind their shell like back, which gives them very good protection. Their appearance is almost insect like, which can scare the hell out of unwary travellers. They are quite small and stocky, but not clumsy, even when they may seem like it. Even before the Vargr contacted this race, they had acquired tech enough to start a space programme. The first contact with Vargr, and Humans accelerated this process.

They claim to have developed jump drive on their own, but this has not been confirmed. However they are not able to use the jump technology to its fullest, due to the fact that they can't survive a jump. So in this field they are still on tech 9.

But the Ungrest do use so called unmanned jump launches, which actually are crafts ranging from 100 to 300 ton. These are used to move supplies fast through the system, and to the neighbouring system that they have started to colonize. The Ungrest move through interstellar space with SLD ships, powered by a ram scope.

They have 22 ram scope ships which has been in service for more than 400 years. The ships has been updated several times over the centuries. The parts of the ships range from TL 11 to 16. But new ships are planned that utilizes Thruster technology and new TL 16 powerplants instead of the TL 12 ones. They are expected to enter service from 1121 and onwards.

The Ungrest is quite aggressive, but not outright hostile. Various merchants do trade with them, but any technology are largely unavailable, when it is much specified for the race. And the Ungrest is unwilling to sell out technology to inferior traders. This might stem from a paranoia that they are afraid of that the tech might be turned against them. However there is possible to buy lot of other non-technical stuff like foodstuffs, and art.

#### **Bzruellokh**

This race stems from an world which are quite chilly, which explains their heavy built due to insulating fat. Descendants from omnivore/gatherers which evolved on the great steppes of this planet. They are massing about 95kg, the females a bit less. Their legs are short with broad

feet, that prevents them from sinking too deep into the snow. Their early forefathers had quite a lot of body hair, which disappeared when the Bzruellokh started using clothing to protect them further from the chill. Their arms are long, reaching down to the knees when they stand upright, and powerful. Their skin resembles that of a human, but is rougher and thicker. The skin colour ranges from white to yellowish. Their arms and head is covered with thick white hair.

The face holds two small eyes which are set deep into the skull. The ears resembles that of a rabbit, but is a bit broader.

From what is usual among other races, Bzruellokh does have a peculiar rhythm. Their pre-sentient ancestors hibernated during the winter, gathering food in the summer. Thus they sleep almost half of their local year. In a modern society this is quite difficult, but this hibernating are still being done. But the cycles are more controlled, so that their society still works, even in the winter. Their starships got special hibernation modules, for crew or owners that are due for they hibernation cycle. The fact is that the Bzruellokh gets sick if it can't hibernate over certain period. Drugs can prolong the wake time between hibernation, but are used sparingly.

#### **Opliaraz**

Descendants from omnivore scavengers that was cave dwellers. The latter has given them sight that spans from visible light to the infrared spectrum. They got large black eyes. Matter of fact the pupils are the only part of the eye visible. Their size is small compared to humans, with an average height of 145cm. They got bat like ears that can be moved towards a sound. This coupled with their wide field of vision, that is 220 degrees gives them a superior surveillance capability compared to most other sentient races.

Their society is built around the family, which forms a clan. When the Vargr contacted these the first time, they were hunted for their fur. Even when they had advanced into the iron age. This hunting was stopped some hundred years ago, by a group of resourceful explorers.

However the Opliaraz is still xenophobic about outsiders. Those who wants to do business in this system should do it through the Aelluengh Mercantile Company, which is the only company the Opliaraz will trade with. The reason for this is that the Aelluengh is owned by the ancestors of those who rescued the Opliaraz from extinction.

# Part III Library data and news articles



#### *0*77-1123

## **Uthgvoe (Gvurrdon 0512)**

The talks between SoE and Thirz Empire took a serious nose dive when the foreign minister of SoE demanded that Thirz Empire pays SoE for the damage done to the world of Tongaesodhongaell(Gvurrdon 1015). Kaesz, the foreign minister of Thirz Empire answered that losses like that could only be expected during a war. "Besides Thirz Empire will never pay for the damage done to an aggressor."

It is not known when new talks will be taken up.

#### *079-1123*

#### Uthgvoe (Gvurrdon 0512)

The spokesbeing of the royal court announced today that Uerrogae gave birth to triplets. This is the first cubs to Oekhueso and Uerrogae Thir. "This is a major event in Thirz Empire history" the spokesbeing said further. And the word from the royal court is that both the cubs and the mother is at good health.

#### <u>067-1123</u>

#### Orra (Gvurrdon 0929)

The Rukh government Anti-Rukh formally war. This is the first time Rukh has taken this step after many years of border skirmishes and hostility.

The last time there was outright open hostility between these two powers the reason was the charge plate scandal.

This time Rukh claims that Anti-Rukh was responsible for the powerplant that blew up and contaminated a whole city a few months back. Evil tongues however blames poor maintenance and unskilled employees.

## <u>090-1123</u>

#### **Uthgvoe (Gvurrdon 0512)**

Attempts to restart the negotiations between Thirz Empire and SoE failed miserably today. When the talks started it soon came to hard words and in short order insults were flying over the table. At the moment it is unclear who lost the most Charisma.

Kaeszh, the foreign minister of Thirz Empire, did loose some charisma though when he challenged the foreign minister of SoE to a duell.

A political analyst said "This will be a fight Kaeszh will win as he is both stronger and much younger than his adversary."

Rumours will have it that King Oekhueso reprimanded Kaeszh for undignified behaviour.

#### <u>094-1123</u>

## Kfofaell (Gvurrdon 1421)

Gvaeknoks announced today that they are forced to close down the following route: 1336 - 1238 - 0739. It will be rerouted as following: 1233 - 1134 - 0937 - 0736 - 0537 - 0539 - 0436. This is clearly a much longer route, but the hostilities between Rukh and Anti-Rukh has made this necessary.

Gvaeknoks announced that they are looking for ships with better jump drives to shorten down the route.

#### 100-1123

## Korruelloko (Gvurrdon 0904)

Saeknouth Dependency announced today have signed the documents for admitting two new systems into the federation.

The systems Songi (0405) and Torrvagve applied for membership 1122 to bolster its defences against corsairs and to enjoy the trade in Saeknouth.

Saeknouth Dependency are also changing name to Saeknouth Ursuekh (Brotherhood) to mark the increase of members. The signing of the treaty was celebrated with a grand banquetKorruelloko's parliament building.

#### <u> 152-1123</u>

#### Saell (Gvurrdon 1027)

The first reports from the new open war between Rukh and Anti-Rukh are starting to come from the front.

Apparently Rukh, shortly after declaring war on Anti-Rukh, poured over the interstellar borders attacking the Anti-Rukh worlds fiercely. It is reported that Rukh easily outnumber their opponent 15 to 1.

It is still difficult to get any independent reports from the front, but The spokespersons from Rukh says that everything goes after plans. The press was shown some holovideos of strikes against both orbital and dirtside installations, leaving little doubt that Anti-Rukh will "get what is coming to them."

There are also rumours of a massive nuclear strike against Okfozarrga (1336). Some say that no one managed to escape alive from the planet. As Rukh are firing on non-friendly ships in this war it is difficult to get any independent reports that can confirm or deny this.

#### 178-1123

## Saell (Gvurrdon 1027)

The Rukh offensive against Anti-Rukh seem to bog down. Unconfirmed reports say that Anti-rukh has managed to infiltrate and sabotage both bases and starships of Rukh. If this is right, it will throw a Hiver wrench into the planned schedule. However as escaped merchants reports. Anti-Rukh will fold shorty. If Anti-Rukh has really managed to hurt Rukh severely on their home turf it will only buy them time. Anti-Rukh will at most only hold up against this battering a year.

## <u> 143-1126</u>

## Uthgvoe (Gvurrdon 0512)

After several years of delay an agreement was signed between Thirz Empire and SoE to give back most of the worlds SoE lost to Thirz in the Equality war.

SoE announced that this was an important step to get back their lost worlds and brethren. Among the worlds that was returned was Dzuerong (1413), the old capital of SoE. However this system will not be reinstated as a capital as it is too



close to Thirz borders according to a decreed from SoE.

The negotiations has been long and hard. Some times even outright quarrels between the delegates. Unrest are expected on some of the worlds as many citizens there do not want to get back to SoE.

A spokesvargr from King Thir said it would be better to give these worlds back as they do not hold the charisma, and it would be just more trouble for us to keep them.

#### *023:1127*

#### **Gvurrdon (Gvurrdon 0521)**

Kfan Uzangou (Galang. White Fangs) are now available in the Spinward Marches. KU has decided to open an office on Regina/Spinward Marches (1910). The number of Vargr and non-vargr readers in this part of space, so it was deemed necessary open an office to distribute the magazine there. The magazine will be available on holocrystals compatible with most TL 11+ computers.

#### 254-1129

#### Ughz (Gvurrdon 3034)

Kedzudh and Kforuzeng ended their contract today which the Imperial Navy referred to as the Glass Bond treaty. A spokesvargr from Kedzudh said that their operations inside Spinward Marches had been a success, so there is no further need to continue the operation.

## *304-1130*

## Regina (Spinward Marches 1910)

Regency Navy informed the press today that operations was now going on in the bordering worlds in Gvurrdon to eradicate the Kforuzeng menace once and for all.

Preparations for these operations started several months ago. Several bases will be hit at the same time to prevent the Kforuzeng to re-group and escape. We don't expect Kedzudh to help Kforuzeng and get their nose bloodied now that we can get all of our fleet bearing down on them a spokesman for the Regency Navy said.

#### *310-1130*

## Triad (Gvurrdon 2436)

Regency Navy reports that they have now re-established control over their old base here and removed the Kforuzeng occupants. Several corsair ships was surprised in dock and subsequently destroyed.

Reports do also come from nearby systems of heavy deployment of Regency battle squadrons attacking anything that resembles corsair activity and installations.

Rumours also say that the Kforuzeng leader Anuekhs An Gzoug was killed in the initial attacks. This has yet to be confirmed.

## 036-1131

## Regina/Spinward Marches (1910)

White Fangs has been forced to close down its distribution centre here in Spinward Marches due to the new quaran-

tine rules on computer communication and distribution of computer based information across the Regency border. We will look for other ways of to distribute our magazine to our readers inside the regency borders.

#### 067-1131

## Uthgvoe/Gvurrdon (0512)

A delegation from Regency came to Uthgvoe today had serious talks with Kind Tir and his cabinet. What the talks was about are not clear at this moment, but sources say it might relate to the computer viruses which has been released in the Imperial Interior. Rumours tell that the virus already has reached Corridor and some parts of the Vargr Extends.

#### <u> 120-1131</u>

#### Uthgvoe/Gvurrdon (0512)

It is now clear that the virus is an fact and it is an threat to us all. Reports from the trailing parts of Tuglikki tells about ships that go haywire and computers output turns to gibberish. Several worlds without hospitable biosphere has been ravaged by the virus by exposing the inhabitants to the harse environment. I.e. vacuum worlds had their population decimated by the virus as it opened all the airlocks at once.

Representatives from the Regency has been all over Gvurrdon sector to hold talks with various factions and instruct them on how to contain the threat.

#### 145-1131

## Thoengling/Gvurrdon (3117)

Thoengling has by immediate effect grounded all foreign starships that comes from the trailing parts of the Extends. A quarantine zone that is several parsecs deep has also been erected. A spokes vargr from the Thoengling Navy expressed confidence that they would be able to prevent any further spread of the virus.

## <u> 100-113</u>

## Gvurrdon/Gvurrdon (0821)

Kfan Uzangou has been forced to do away with the holocrystal media distribution. Most factions in Gvurrdon has put down strict quarantine between worlds. Thus KU sees itself forced t go back to hard copy distribution. To make it cheaper we will distribute through third party distributors. In Gvurrdon it will happen through Rraekh Kforr in Thoengling Empire and Gvegh Kforukh in Rukh. These distributors will then print and distribute the magazine within their borders. The price of the publication will increase slightly by this.

The main office will still be distributing for Thirz Empire. We also look for similar distributor in Spinward Marches.

#### 344-1132

## Rhylanor/Spinward Marches (2716)

White Fangs are now again available for Vargr and other sophonts in the Spinward Marches. Kfan Uzangou has made a deal with Spinward Media Expression (SME). A minor magazine distributor in Spinward Marches. The magazine in both paper and holo crystals.



#### 128-1146

## Thoengling/Gvurrdon (3117)

A vampire fleet has managed to penetrate the quarantine line of THoengling Empire. As Thoengling uses much of the same computers as the old Third Imperial scout boat service, the virus did not use long time to infect their targets through the communication lines. As there has been evident that a small fleet has operated behind the lines of the quarantine fleet for some time. As this report is being filed emergency defensive lines are being drawn up to halt the virus. All express boats are being grounded and isolated to prevent further spread of the virus. A decree was issued demanding that any communication between worlds must be in either hard copy or on micro film.

#### <u> 199-1146</u>

## Orsesokhin/Gvurrdon (2323)

The virus seems to have run out of steam. But to a tremendous cost: Orsesokhin has been declared the new capital of Thoengling. All ships that come from trailing parts of Gvurrdon and cannot give a correct identifying code will be shot on sight. A Naval attache from Regency said that Vargr are lucky that vargr ships makes poor as vargr ships generally have poor maintenance and are prone to break down frequently. Luckily that Vargr makes poor slaves for the virus too when it has no charisma.

Regency has sent a task force with he purpose to train the remaining navy of Thoengling Empire to handle the virus threat. Details on this training is not available, but we believe a lot of new equipment developed in the Regency will play a key role in this new quarantine fleet.

However we did get a chance to inspect some of the troops that has gone through the first part of the training and they looked eager and resolved to face the virus to protect us all from the menace.

## <u> 138-1165</u>

#### Kfolaell/Gvurrdon (1421)

Gvaeknoks has issued complaints to both Society of Equals and Thirz Empire for the treatment of their traders, which travels between these two factions. Several of the crew on their ships has been arrested for espionage: Most has been released short after, but a few has been put up to trial and convicted. Thus the cold war between Thirz Empire and Society of Equals takes a new twist. Gvaeknoks says that because they were under SoE during the Equality war (1111-1116), their crew are view as traitors and conspirators by both parties as they do business in both factions. It seems that none of the factions thrust Gvaeknoks integrity.

## *365:1158*

## Saell/Gvurrdon (1027)

Rukh government has declared Martial Law on several worlds today. The reason to this are the demonstrations that has been increasing in number over the years. Rukhhas been dropping in charisma since the sloppy handling of the Rukh war in 1123 to 1124. Zhodani has also pulled much of their support out as there is evident that this state is heading for a civil war.

#### 034-1159

#### Saell/Gvurrdon (1027)

Rukh Navy and Army tried a coup today. It was partially successful. Several of the cabinet members was killed, but several managed to escape with loyal troops. There is also reported conflicting loyalties among the armed forces. Is unclear what the future will be for Rukh now.

#### <u>056-1159</u>

#### Saell/Gyurrdon (1027)

It is now evident that no one know whom is fighting whom in Rukh Civil war. Civilian losses are reported as light, as the Navy is battling itself, something that makes ground troops useless as they are planet bound. Most ground troops has declared their loyalties to the leaders of the world they are placed on.

#### *216-1159*

#### Saell/Gvurrdon (1027)

The Rukh war seems to take another turn now that the naval forces has spent most of their resources fighting each other. What is left of the few fleets has joined up with small groups of worlds that has tried to stand together in this troubled time. Many analysts believes that Rukh as a political entity in Gyurrdon has ceased to exist.

#### ???<del>?</del>1162

#### World unknown

Kforuzeng is on the rise again after the serious setbacks it has experienced the last few years. Especially after the Imperial/Regency navy turned its guns on them. Rumours tell that Kforuzeng has landed some very good contracts that will put them back into business.

They have had some actions going through the Rukh war, but nothing notable. So what really is going on we can only guess.

#### *293-1167*

#### Vaersngurr/Gvurrdon (1830)

Kforuzeng has declared themselves as leaders over a small group of systems that once was the part of the Rukh.

Kforuzeng has been running several operations in this area for several months now for the local government. As the government support from the citizens declined, there became evident that a change was at paw to save the day. Why Kforuzeng went for the chair is not known and Kforuzeng has neither given any explanation.

#### <u>031-1171</u>

## Kfofaell/Gvurrdon (1421)

Gvaeknoks said through a press release today that they will close down their offices here on Kfofaell and move all business to Ghenkerongolu/Gvurrdon (1528), a world in one of the factions that appeared after the Rukh Civil War. The close down will be complete in 3 months. During this time the routes will run as usual, but after this date changes to the routes are to be expected.



#### 311-1172

## Ghenkerongolu/Gvurrdon (1528)

Gvaeknoks has entered the political arena of this world. Their charisma increased greatly when they managed to erect the economy after the civil war. Gvaeknoks bought up a lot of companies that was close to bankruptcy. A few worlds has also declared their support of Gvaeknoks for their work in improving the economy in this part of Gvurrdon.

#### *350-1172*

#### Ghenkerongolu/Gvurrdon (1528)

Gvaeknoks has now taken full control over one of the factions that was left after the Rukh war. They have renamed themselves from Rukh Aek to Gvaeknoks Trade Union. Gvaeknoks stated that free trade should prevail between the member systems. It is not in Gvaeknoks interest to hamper free trade. But they intend to strengthen the trade and the economic progress. They will also install some laws to ensure that free trade will prevail and that merchants do not over price their products. They will also to a degree control the market pricing and taxation.

#### <u> 344-1175</u>

## Uthgvoe/Gvurrdon (0512)

King Oekhueso Thir died today. The palace spokesvargr says that Thirz son will mourn his fathers death. King Thir has been ill for several weeks from an incurable blood disease. King Thir will be buried after his wishes, by spreading his ashes on his place of birth. There has been declared a day of mourning over his empire, that will be held on this very day next year to the memory of his spirit.

#### 018-1176

## Uthgvoe/Gvurrdon (0512)

Fuerrtoekh was crowned as the new king of Thirz Empire. The new Heraldry shield was also displayed today. All over Uthgvoe businesses closed down to follow the crowning ceremony on the holo transmissions.

#### 298-1199

#### Uthqvoe/Gvurrdon (0512)

The Oruelaen (PSI forces of the Thirz Empire) has expressed concern with the lack of dedication SoE has put into the Quarantine line for their nation- "It seems that they are more interested in watching what we do than keep the Virus outside of their borers". Political and military analysts has expressed that they believe SoE interest in Thirz force deployment in the Quarantine line is too close to SoE borders to their liking, and that SoE are more afraid of what Thirz might try an invasion when they watch the Virus and not their back.

The cold war between Thirz Empire and SoE will spell a disaster if they do nothing about their disagreements. A Zhodani diplomat expressed his concern in a meeting with both Thirz Empire and SoE. "If you can't keep the peace with each other, it will spell the end of us all." He said and continued with "If you two get into an armed conflict, the Virus will penetrate the quarantine line, then there will be nothing stopping it." It is believed that the Zhodani has put some pressure on King Thir, forcing with that the Zhodani help will be withdrawn if the situation is not

# Library Data

#### Aek Elakfough (black cauldron):

(Gvurrdon 0439). This system have experienced an booming belting industry. In 1112 large amounts of Titanium and Yttrium (latter which are used in the superconductive coils of the grav vehicle modules). Both of the belts in the system have proven to be rich on both substances. The number of inhabitants have exploded since the news got publicly known. This forced the system owners to build a fairly large space habitat. It is a wheel that revolves to create gravity. It is known under the name of Aek Wheel. The belt profiles are:

Orbit

- 1 100m, n-20 m-70 c-10, 1AU
- 4 5Km, n-20 m-60 c-20, 0.5AU

## Alloulloukde Tosoekh:

One of the biggest ship wharfs in the Gvurrdon sector. It is based at Aengvoung (1726). It is reputed for its contact net for connecting potential buyers to patrons for financing of crafts. It boast that many of the crafts the Kforuzeng corsair band uses are bought from them.

# Ankhir (Gvurrdon 1728) C6869BB-7 Hi:

This system have probably gone through more hardship than most other systems in Gvurrdon. The population lives under ground in tunnels. When the system was first settled for 800 years ago it boasted with an advanced TL 11 technology. Then the disaster struck.

The small government did not succeed in controlling the masses and civil war broke out. Following this war the world got split between several power blocks. With more than 600 years of war and other minor conflicts the TL started to decline when the harsh environment took its toll on the equipment. The fact is that the surface temperature of this planet can sink down to -237°C. The following wars was then the matter of survival for the power blocks. About 50 years ago this system did get help from outside by request from some minor factions. Firstly the helpers was met with resistance, but later when the other factions had expended their stock of fighting material they had to succumb for outside pressure. From this point the planet got united under one central government. This planets largest export articles are a strange sort of algae that lives in the oceans of this planet. Orrkong, a shrimp like creature is also an export article.

#### Church of the Chosen One:

This is a religious sect which has their base at Aegadh (Gvurrdon 1317). They are the world rulers there. The sect believes that the Ancients made the Vargr to populate this part of the galaxy. The church does not worship the ancients, but just asks the devotees to be faithful and to trust the church. The church do not have any holy book as most other churches, but it boast an Ancient artifact that the church claims to be a two way communicator with the Ancients. This has not been proven

when the artifact is looked up on as holy, and no one has been allowed to inspect it scientifically. The power base of the church has been waning since it were founded about 300 years ago. The number of devotees was quite steady during the Rebellion. They did note a slightly increase in 1125 to 1127, but form there the number dropped steadily. So now they have turned inward, and redirecting their resources to prove once and for all that the Vargr is the heir to the Universe.

## Denner (expr):

Common name for Vargr from Freedom League, or more commonly named Corsairs' Den.

# Dzen Aeng Kho (Society of Equals.):

This allegiance despite its name are soldier based. To prove that you can be equal, you have to manage to go through a dangerous test that could severely cripple those who are unlucky. All non soldier professions are looked upon as under rated beings. Medical profession is an exception to this when doctors are important to save the life of a wounded soldier. Anyone can try to become an equal no matter what his or hers background is. Those who fail the test is denied access to any soldier career. Even the cubs from an equal have to prove itself as an equal before a soldier career are open for the candidate. Equals and non equals are not permitted mate with each other. The test can be taken any time during the life, but it is wise to take it early when young and old have to go through the same test. The central body of the government are mainly built up by former military career personnel that have retired active duty. Only equals can vote in the parliament or run for some sort of governmental office.

REFEREE: For characters that are born in Dzen Aeng Kho, they have to roll this task before they choose one of the following careers: Any military Officer, Leader, Aristocrat and Law enforcer.

Difficult, Willpower --Referee: On a Catastrophic Failure roll 1D+1 and subtract STR, AGL and CON of the indicated amount. Example: The PC rolls a 4. He must subtract 2 from STR and one from both AGL and CON. For those who manage this task give a CHA+1. If the parents of the character is rated equal give a -1 on the above task. The parents are rated equal on a roll of 15+ on 1D20

#### Edge, The (Expr):

A terminology used of the political state between Thirz Empire, and Society of Equals. Their "Cold War" status has everyone on their toes. If a break in the quarantine line it will most likely be in Society of Equals. They are zealously watching what Thirz Empire do, rather than watching their border against the Virus. Their opinions in The Spinward Assembly are also a conflict. It looks like that they oppose each others ideas, suggestions just for the spite of it. More than one time Zhodani representatives had to cool down the Thirz Empire representatives. However as there is no-one is holding Society of Equals in leash they seem to do and say whatever they will. However everyone are starting to get a bit tired of them. And regency has started to put on some pressure, but it hasn't taken any action, as a war will surely open the quarantine line for the advance of the Virus.

## **Equality War, The:**

This war were fought between the Society of Equals and Thirz Empire. The war raged from 1111 to 1116. In this war Society of Equals lost much territory. Society of Equals did also lose their capitol system, Dzuerongvae (1413), but the rulers managed to escape. This forced the Society of equals to move the capitol. The new capitol is now at Taeksoudhanou (1623).

#### **Extends line contract:**

A contract between the Oberlindes

Lines and the government on Ougzdaelzoerrgh, Gvurrdon (2040). The contract gives Oberlindes lines allowance to use the starport on Ougzdaelzoerrgh for trading and supplying post for starships that are going into the extends. This contract where vital for the Oberlindes to get when the recent hostilities between Vargr forces and the DoD forces started in 1117. Oberlindes met much resistance in the Empire when they first took initiative in mid 1119 to reopen their routes into Gvurrdon, when it got closed by the hostilities. The line into Gvurrdon sector starts at Dentus, Spinward Marches (2201). During the war against the Kedzudh and Kforuzeng alliance, the Imperial Navy had undercover agents working on this base. Starport at Ougzdaelzoerrgh got upgraded to type A after signing a contract with Oberlindes Lines. Oberlindes have a 47% share in the starport.

#### **Fair Witness:**

A new type of careers that has appeared in Thoengling Empire. It all started with a proposition from the Thoengling central government to train certain high intellect Vargr to mediate in conflicts and stay in as fair and correct witnesses. After a few years several corporations started to use fair Witnesses in contract negotiations. Today anyone can hire a fair witness if they can pay the price. A Fair Witness will report anything he experiences, without giving his own opinion on what did transpire at a given event. Thus sometimes hiring a fair witness can backfire, because many believe that the fair witness will give testimony in the customers favour. A Fair witness cost from 2000cr hour to the astronomical millions.

#### FFKI:

An institute that have specialized on educating sophonts that do not have the capability or money to spend to go to a normal college or university. FEKI is short for Fo Engragvaegkfu Kuerrgars Ingaez. Which can be translated to The School of Many Worlds. Customers are usually from low populated worlds and/ or belts. They support a wide array of courses that can be taken. From simple courses like drawing to more demanding things like medical or engineering courses that takes a year or two to run. The appliances are collected by mail, and a course package are then sent to the pupil. What the course package contains depends on the course taken. From just a few books to computer software or computers specially made for the course taken. Home base is on Ouse Faeg/Ksits Uathu Odzuetarug (1724). During the Virus craze FEKI almost got bankrupted. All the more advanced courses was not selling when they relied on computers. However as the fear from the Virus dropped the customers came back, and the more advanced courses started to sell again.

#### Glass bond, The:

The alliance between Kedzudh Aeng and Kforuzeng corsair band were called the Glass Bond, when it appeared fragile when the allegiance first were signed. However the success the allegiance have earned in the invasion of The Spinward Marches have apparently strengthened this allegiance. Imperial analysts speculate that the allegiance may fall apart now that the forces to Norris have been able to stop the constant advance of the Vargr. The Glass Bond broke up in 1129, when Kedzudh declared that the campaign in Spinward Marches was a success, and that further action was not desirable.

# Gnoerrgh Rukh Lloell (Anti-Rukh coalition):

This is a coalition of worlds that did not rally behind the Great Leader Rukh in 972. Rukh's Charisma forced billions to his cause. However many worlds rimward of Saell which had secured economic ties with worlds around Saell, would not rally to Rukh, so they established Gnoerrgh Rukh Lloell. In the beginning they did not manage to do much damage to the Rukh Aegz, but in the latest 10 years several worlds spinward of Saell have pulled out of the Aegz, when it proved unable to protect the worlds against terrorist acts and other anti-Rukh operations. It disappeared as a political entity in 1123 when Rukh attacked. The war was over in matter of months, but the mopping up took more than a year. Anti-Rukh managed to deal some heavy blows to Rukh even when they was outnumbered 15 to one. The reason for this was the deep undercover groups inside Rukh.

## Kfan Uzangou:

A periodical newsletter which are distributed through out the Gvurrdon sector. The newsletter released its first issue in 864 (Imperial). The newsletter fresh and boasting reports soon got popular in other systems, so that the print had to be increased. In 987 the format changed from paper to cheap microchip format, which then could be accessed by most computers. The paper format have not disappeared totally, but the print is just 4% of total

distribution. Kfan Uzangou (White Fangs) has its main office at Gvurrdon (0821). In 1127 the magazine started to distribute to Spinward Marches. However as the treat from the Virus became apparent, Regency put down a blockade. KU couldn't change to paper format, when this would sky rocket the distribution cost. KU took then contact with one of the small media distributors of Spinward Marches, called Spinward Media Expression (SME). They would get the text on optical readable microfilm, while the interior art and pictures would be put on ordinary dias. SME would then put the magazine on holocrystals, or in paper print. In Regency the magazine is distributed on the Galanglic name White Fangs.

#### Oruelaen:

Oruelaen is a combination between a special force, national guard, and information gatherers in the Thirz Empire. It was founded in 1016 with Zhodani help.Sophonts that join Oruelaen enjoys high charismatic raise when they are under the direct control of the king of Thirz Empire. Few of the members are publicly known due to their sensitive job. Its actual size is also unknown, but the number is believed to be less than 500. All well trained in psionics by the Zhodani

REFEREE: This force is a well known secret in the Thirz Empire. About a dozen faces is publicly known. Others are kept secret so that they can do their job unhindered. They are not spies or commandoes (even though they participate time to time in such operations), but observers and investigators for the king of Thirz Empire. The number of members is at 250. Other aliens are welcome if they can pass certain criterias. The king got direct control of this group. The members start with a rank of Sergeant due to their high responsibility they got. The king holds the rank of General.

#### **Oulaekho Arms:**

A weapon producer with its main office and production plant on Saell. It sells weapons to most worlds in Gvurrdon. The Firm do also have several subsidized traders around the Spinward part of Gvurrdon. Gvaeknoks do also have a share in their weapon production plant on Ghenkerongolu (Gvurrdon 1528). This plant is called Dokhoullae.

#### Pandrin (Gvurrdon 2240):

This system were the former Oberlindes trading centre for the Gvurrdon sector.

But when the Kedzudh invaded the world in late 1118 Oberlindes had to close down the centre and move it to somewhere else. Oberlindes has made it clear that they are looking into reopening their old base here. Local investors are apparently doing their part to ensure that Oberlindes comes back.

#### Sibiatl:

A minor psionic institute in Gvurrdon. It does not have any fixed base, when it changes location time to time. The Sibiatl are a cooperation between the Zhodani and Vargr psionics to broaden the knowledge of psionics among Vargr in the in the spinward part of Gvurrdon sector. In addition to teach psionics it gives classes on just general information.

REFEREE: The Sibiatl are well reputed among the Vargr in the Thirz Empire. The psionic training courses cost approximate 240,000Cr. and takes about 5 months. Initial testing cost 12000 credits. An information course cost 2000 credits, and is held 5 days with 2 hours a day.

## Soungadano (Gvurrdon 2414) B671363-A Lo Ni:

Soungadano is a former prison planet for Thoengling Empire. Some still view it as a prison planet when some criminals have the choice between selecting a ordinary sentence or try to re-install their charisma on this planet by working for a living. The climate is harsh with temperatures above 300°C. In the winter the temperature may sink below -46°C. These severe swings in temperature makes it a dangerous place to live. There is frequently storms that can easily kill an unwary traveller. The main exports is compounds and crystals. Animals both dead and alive is also an export article, but not a very popular one. The world has been isolated since the Virus struck. So how the conditions is on the planet at present is unknown.

## Spinward Assembly, The:

A crisis council which was established by the initiative of Archduke Norris in 1132 to coordinate knowledge and operations in how to fight the Virus. Its presence (The Assembly) has been quite visible in Gvurrdon, as the Vargr has proven unable to dam up against the Virus effectively. Only in the few latter 20 years that the Vargr has managed to get on top of the situation by quarantine restrictions. The assembly got the following members: Regency,

Zhodani Consulate, Aslan Hierate, Thirz Empire, Society of Equals, Thoengling Empire. In addition several smaller states has observer status in this assembly. If and when a thrust into the infected areas are going to take place, this assembly will surely have a hand in the game.

# Taknarkag (Gvurrdon 0630 B370467-A Ni De):

This is a single city planet, which by influence from Goerrg Rukh Lloell (Anti-Rukh coalition), left the Rukh Aegz alliance. The entire population resides in a city built only over the last 185 years, by the design of the famous Vargr architect Voronol. Taknarkag was reputed in the Rukh Aegz for it brilliant architectural design. Even Humans have copied this city to an extent. Humans will find the Trading Post bar and nightclub inviting, when this is designed specially for humans in mind. More daring humans, or humans which have experience with Vargr clientele and behaviour may use the Kornak Lounge. The navy base are now staffed by the local militia with a few jump capable ships.

# TeeBee (Toothless Bastard [expr, org: re]):

A curse originally from Regency. It was first used against those Vargr that worked as crew on infected starships. Those Vargr are generally of low Charisma, thus not very desirable by other Vargr as followers. Used against other Vargr will certainly spell trouble. The Virus has by itself no Charisma, and thus no appeal to the common Vargr, but those who are in their employ voluntarily or not.

## Therrg's First Reasoning:

Therrg is one of the representatives of "The Spinward Assembly", and represents Thirz Empire. He do also have connections with Church of the Chosen One. He had a reasoning that has been quoted to the length that it has become a cliche. "If the Virus is intelligent, why do we then curse It for Its acts that every intelligent life forms has shown a inclination for? Of course because we all bash our friends head in every now and then does not make Its (Virus) acts more tolerable. It only explains the entropy of the universe."

#### Therrg's Second Reasoning:

"That day the computer talks to me I'll throw it out of the window." -

Cptn L. A. Slastinger's addition: "Has anyone told him that his office is under-

ground?"

## Thirz Empire:

The second largest interstellar state in Gvurrdon. It got close bonds with Zhodani, and the presence of psi capable vargr here is large. About 12% off all inhabitants here have been tested and/or trained. The entire state are viewed as a large client state of Zhodani by others in Gvurrdon. Zhodani have a large contingent of both military and economical advisors in this state. The reason to this is that the Zhodani by its close relationship with the government can limit the number on corsair raids inside their borders.

#### Tirrils:

An avian alien race native to Tirrokoelaeks (Gvurrdon 1821). The Tirrils lives at TL 0. Which would classify them as barely sentient. The Vargr which first took contact with them, hunted them for their fine feather hide. But when it became evident that the birds were sentient, all hunting ceased. The Tirrils are protected from hunting. Any killing of a Tirril for their hide is penalized with death. The Tirrils are about 150 centimetre high, and got bright colours from blood red to deep navy blue. The chest and abdomen are generally white or silver grey. They got a 15 centimetre long beak like a gull and powerful claws they use to dig in the earth for Lummi roots or insects. What's curious about the Tirrils are that they have excellent mathematical knowledge. Some are so good that they can calculate the jump coordinates and data for a distances up to one parsec without the aid of a computer. Some Vargr merchants use Tirrils on board their vessels for entertainment and for their excellent mathematical skill. The language of the Tirrils are consisting of whistling and body posture. Very few have been able to learn their language without specific aiding tools as flutes. Those who have been most successful with learning their language have usually good musical skill. Most humans may be able to do basic communication with just whistling with their lips. Vargr have proven unable to communicate without flutes or language computers. Tirrils can with great difficulty learn some Vargr languages. But human languages are easier for them to learn. This is due to the specific development of their vocal cords. Tirrils are popular on Tirrokoelaegz for their beautiful sing song skills, and are often employed at taverns and inns for entertainment. When the Tirrils are lacking manipulators they usually do

not wear clothes or use tools. However a few Vargr corporations have built waldos that the Tirrils may use. However few do make use of the waldos when they constrain them from flying.

#### Tongaesodhongaell massacre:

During the Equality war Tongaesodhongaell/Gvurrdon (1015) were heavily attacked by nuclear and chemical weapons. Most of those who could not afford the overpriced tickets out of the system before the attacking fleet reached the world, got killed in the attack. The world are Interdicted by the Thirz Empire because of the high radiation level. The world is still interdicted for reasons unknown. There has also been a number of voices that demand that the ancestors of the survivors are to be evacuated, but the Thirz Empire don't want to for some reason.

#### Ukekhaedha:

Ukekhaedha which can be translated to: Ritual of Charismatic honour. This is a duel fought to death. The ritual have its roots from Fukoezo (Gvurrdon 2702). The ritual have been law regulated the latest since early 900. This has been done so that the number of duels to the death was not to going to deplete populace of males, which are the only gender which can do this ritual. To perform the ritual the offended part must get approval from the court to do so. If the court finds the offended part got good reason to re-install his charisma, the ritual is permitted. However the requester get one week to cool off to see if he changes his mind. The ritual is performed like this: --First the combatants undress completely, and put on loincloths. Both get a gun with one poison dart. The combatants then selects how far from each other they will stand. The closest range permitted are 7 meters and 21 meters at most. The guns are holstered when the ritual really starts. First the Oenurzksan (the patient wait) starts. Here the two combatants tries out wait each other. Sometimes one of the combatants chicken out and won't go through with the ritual. Longer the wait more Charisma will the offended part get back, if he wins the duel. He will also get back more charisma if he is the last to draw the gun to shot when the action starts. Some even waits until the other one has fired his gun before he fires his own. If both miss their shots, the duel is ended and the offended part cannot make another try. If the offender survives he will not get any benefit than his life. If the offended part survives he may get back all the charisma depending on how long the wait was and how he performed overall. If both parts die, the duel is noted as an unresolved matter and the case is closed. To be permitted to do this type of duel, you must have experienced a major loss of charisma and economical loss. Off worlders cannot under any circumstances perform this ritual in a legal way. There have been some cases where humans have been performing this ritual illegally, when they have offended a Vargr.

## Urukhu (nation of Urukhu):

A former Interstellar empire which consisted of the following systems: 2806 Ukokhuvoen, 2807 Kaekfesa, 2808 Dorrorue, 2908 Kutsgarrae, 3107 Ozago. After Urukhu died in 1112 the nation started to collapse. The nation were on its highest at 1103, when they managed to fend off a attack from the Thoengling Empire. However the war effort did take its toll on the Urukhu nation. Urukhu died in an assassination attempt at an age of 54 years. Who which are responsible for the act are unknown, but the Lliegz corsair band are suspected. The Lliegz band tried to establish two bases in the nation just after the war with the Thoengling empire. Urukhu would not have them there, and the constant battle with the corsairs depleted the limited naval forces even more. The Lliengz corsair band were fragmented in 1116 by internal disputes.

## **Uthith Fleet:**

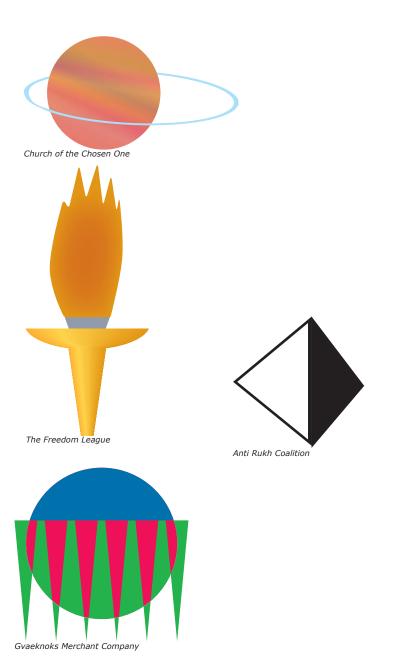
Fleet of the Ekhlle Ksafi (40th squadron) based at Uthith (Gvurrdon 1738). During the FFW, it occupied Yorbund (Spinward Marches 2403) and Heya (Spinward Marches 2402), but did not press further, spending much time mopping up and consolidating. After the Gireel Fleet was destroyed at beck's World, the Imperial 212nd fleet forces Uthith back. On 252-1109, Admiral Thuekhs negotiated a separate peace and withdrew the Uthith fleet from Regina subsector. Many vargr veterans of the heyan occupation commonly have souvenirs, particularly bottles of fine Heyan liquors. When the Oekhos tirades, presented through a Vargr entertainment device called Utovogh was released. These devices became increasingly popular in the Ve Ekhlle Ksafi space. Several voices started to demand action against the Imperials for the defeat during the FFW. However nothing has happened when the fleet to Ve Ekhlle was virtually non-existent. The 40th squadron did built a lot of new ships in the period 1123 to 1170. The number of ships quadrupled. This seems much, but when the fleet only consisted of a handful of light cruisers, that was bearably serviceable, the build-up wasn't considered a threat by Regency. However Regency do keep an eye out for trouble.

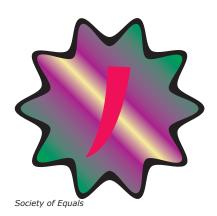
# Voronol Knaergh (925-1005 Imperial):

Famous Vargr architect. He have designed many buildings in the Rukh Aegz alliance. His pride are the Taknarkag city, which he used 10 years in drawing. Unfortunately he did not live long enough to se the first stages of the city being completed.

## Wolfpack:

A group of infected Vargr ships. As pre-virus vargr starships was quite low on maintained standard, Vargr ships that has been infected has their best strength when they operate in numbers. The onset of the Virus forced the vargr governments to set up stricter standards to starships. Something that made a post Virus starships more able to withstand a Virus infection. And also to battle them in a space combat as their equipment standards are higher than infected crafts.







# Gvurrdon sector VWP data

No sector is complete without the sector data and the maps. The data presented here are for the three first editions of Traveller; CT, MT and TNE.

Note that the UWP data should mostly be GM data, as there are no unified survey of Gvurrdon. Even maps are sparse and knowledge about systems outside a given polity are limited. Even local space may be an enigma for most people. Most class A starport can give fairly reliable data about systems far out as 5 parsecs. Naval bases know their local space even better, but they are less likely to offer any information.

Imperial translation

The tables presented on the next few pages contains the complete UWP for Gvurrdon sector for three campaign periods.

The 1105 data contains the complete UWP listings from "Alien Traveller Module 3 - Vargr". Although there is a few changes. The UWP list in the book contains 355 systems, while the map got 357. In addition the book "Alien Realms" mention another world in hex 3040. I decided to add this to both the maps and the UWP listing.

Instead of using an uniform alliance code for the factions that span several campaign eras I have kept the original one (except for the TNE setting which are my creation)

| A)   | Ongvos  |                    |
|--|---|--------------------|
| B)   | Zoghz   |                    |
| C)   | Adhsakh   |                    |
| D)   | Fanganger   |                    |
| E)   | Uerra Rueshken  | Empire Trailing    |
| F)   | Dzen  | Society            |
| G)   | Lla Iz Therrg   |                    |
| H)   | Thoengling  |                    |
| I)   | Kfan Uzangou  | White Fangs        |
| J)   | Ruhk Odzuetarug   | Ruhk sector        |
| K)   | Ksits Usathu Odzuetarug   | Free Spirit sector |
| L)   | Aelluekh  |                    |
| M)   | Llanic  |                    |
| N)   | Spurl   |                    |
| O)   | Uthe  |                    |
| P)   | Firgr   |                    |
|  |   |                    |
| Allegian                                     | ce codes for 1105 UWP stats   |                    |
|  | Alleriteres   |                    |
| Code   | Allegiance  |                    |
| Code<br>Cs                                   | Imperial Client state   |                    |
|  | •   |                    |
| Cs   | Imperial Client state   |                    |
| Cs<br>Dr                                     | Imperial Client state Droyne  |                    |
| Cs<br>Dr<br>Va                               | Imperial Client state Droyne Vargr Non-aligned  |                    |
| Cs<br>Dr<br>Va<br>Vd                         | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho  |                    |
| Cs<br>Dr<br>Va<br>Vd<br>Ve                   | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi  |                    |
| Cs<br>Dr<br>Va<br>Vd<br>Ve<br>Vg             | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr)   |                    |
| Cs<br>Dr<br>Va<br>Vd<br>Ve<br>Vg<br>Vk       | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlie Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng  |                    |
| Cs<br>Dr<br>Va<br>Vd<br>Ve<br>Vg<br>Vk<br>Vn | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng Rukh Aegz  |                    |
| Cs<br>Dr<br>Va<br>Vd<br>Ve<br>Vg<br>Vk<br>Vn | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng Rukh Aegz Thirz Uerra  |                    |
| Cs Dr Va Vd Ve Vg Vk Vn Vp Vr                | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng Rukh Aegz Thirz Uerra Gnoerrg Rukh Lloell                                |                    |
| Cs Dr Va Vd Ve Vg Vk Vn Vp Vr Vs             | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng Rukh Aegz Thirz Uerra Gnoerrg Rukh Lloell Seaknouth Igz                  |                    |
| Cs Dr Va Vd Ve Vg Vk Vn Vp Vr Vs Vt          | Imperial Client state Droyne Vargr Non-aligned Dzen Aeng Kho Ve Ekhlle Ksafi Gaerr Thue (Pact of Gaerr) Kedzudh Aeng Rukh Aegz Thirz Uerra Gnoerrg Rukh Lloell Seaknouth Igz Thoengling Raghz |                    |

## Allegiance codes for 1120 UWP stats

| Allegial | ice codes for 1120 OWF sta |
|----------|----------------------------|
| Code     | Allegiance                 |
| Dr       | Droyne                     |
| Vq       | Dzen Aeng Kho              |
| VV       | Gaerr Thue                 |
| Vc       | Gnoerrg Rukh Lloell        |
| V9       | Infinity League            |
| Vk       | Kedzudh Aeng               |
| Vo       | Opposition                 |
| VW       | Rranglloez                 |
| Vr       | Rukh Aegz                  |
| Vs       | Seaknouth Igz              |
| Vp       | Thirz Uerra                |
| Vt       | Thoengling Raghz           |
| Va       | Vargr Non-aligned          |
| V4       | Ve Ekhlle Ksafi            |
| Zh       | Zhodani                    |
|          |                            |

#### Allegience Codes for 1200 UWP stats Allegience Droyne Vargr Non-aligned Vb Thirz Uerra (Thirz Empire) Dzen Aeng Kho (Society of Equals) Noerrgh Confederate Thoengling Raghz (Thoengling Empire) Ongue Republic Allez Va Gvaeknoks Trade Union Rroerz Uerra Ve Ekhlle Ksafi (40th Squadron) Vρ Kedzudh Aeng (Commonality of Kedzudh) The Freedom League (Corsair's Den) Vq Zhodani Zh Code Type С Corsair G Naval (Vargr) Zhodani Naval

Interstallar government Capital

World ruled by sophonts native to world

O:xxxx Pointer to who owns the system in the case of captive governments (UWP code 6)

World inhabited by sophonts native to world other than Vargr, but the Vargr is in the control of the government. I.e. colonization of land/planets originally belonging someone else, as in USA or Australia a couple of hundred years ago.

Wilds. For game purpose, any Vargr world in the wilds are considered Poor by the trading rules in traveller.

Balkanized. When worlds in the wilds to have a different set of government codes than other worlds. There is no firm code for balkanized worlds in the UWP string.

Remarks Code Type

Cx Cp

| Unified Gvurrdon UWP stats | stats        |                         |                                |                                |        |
|----------------------------|--------------|-------------------------|--------------------------------|--------------------------------|--------|
| Hex System Name            | Stellar Data | UWP 1105 B Remakrs      | PBG Al UWP 1120 B Remarks      | PBG Al UWP 1200 B Remarks      | PBG A1 |
| 0104 Enjtodl               | M4 V M4 D    | C8A8100-8 Z Lo Ni Fl    | 501 Zh C8A8100-8 Z Lo Ni Fl    | 501 Zh C8A8100-8 Z Lo Ni Fl    | 501 Zh |
| 0112 Fufoekkfal            | V 6M         | E638665-6 Ni Si         | 312 Vp E638665-6 Ni Si         | 312 Vp E638688-7 Ni Si         | 912 Vb |
| 0113 Taraeng               | M1 V         | B00098C-A Hi Na In As   | 212 Vp B00098C-A Hi Na In As   | 212 Vp B00098C-A Hi Na In As   | 212 Vb |
| 0130 Tjenl                 | G3 II M1 D   | A683865-C Ri            | 420 Zh A683865-C Ri            | 420 Zh A683875-C Ri            | 420 Zh |
| 0131 Satlpenzh             | M6 V         | B657586-B Ag Ni         | 205 Zh B657586-B Ag Ni         | 205 Zh B657586-B Ag Ni         | 205 Zh |
| 0137 Chench                | K1 IV        | D559426-3 Ni            | 214 Zh D559426-3 Ni            | 214 Zh D559426-3 Ni            | 214 Zh |
| 0202 Zhenchve'chip         | M7 V M9 D    | B666558-8 Ag Ni         | 902 Zh B666558-8 Ag Ni         | 902 Zh B666558-8 Z Ag Ni       | 902 Zh |
| 0205 Matlmadl              | FO V         | B646730-8 Ag            | 822 Zh B646730-8 Ag            | 822 Zh B646730-8 Ag            | 822 Zh |
| 0208 Dho Ega               | M4 V M7 D    | E480653-8 Ni Ri De      | 510 Vp E480653-8 Ni Ri De      | 510 Vp E480653-8 Ni Ri De      | 610 Vb |
| 0212 Onagzorrruell         | M4 D M0 D    | D889737-2               | 601 Vp D889737-2               | 601 Vp D889737-2               | 601 Vb |
| 0215 Kerkukhaeka           | K6 V         | B888554-B Ag Ni         | 325 Vp B888554-B Ag Ni         | 325 Vp B888554-B Ag Ni         | 325 Vb |
| 0216 Saezghen              | M6 V         | B200A72-C G Hi Na In Va | 402 Vp B200A72-C G Hi Na In Va | 402 Vp B200A72-C G Hi Na In Va | 402 Vb |
| 0220 Telfazagnou           | M3 V         | E7A5542-8 Ni Fl         | 724 Vp E7A5542-8 Ni Fl         | 724 Vp E7A5542-8 Ni Fl         | 724 Vb |
| 0221 Aersaedha             | F6 V         | B98A88A-8 G Ri Wa       | 622 Vp B98A88A-8 G Ri Wa       | 622 Vp B98A88A-8 G Ri Wa       | 622 Vb |
| 0223 Aedhue                | KO II        | A9C4000-B Lo Ba Ni Fl   | 824 Vp A9C4000-B Lo Ba Ni Fl   | 824 Vp A9C4000-B Lo Ba Ni Fl   | 824 Vb |
| 0226 Qanstanze             | M1 V         | E73987A-3               | 710 Zh E73987A-3               | 710 Zh E73987A-3               | 710 Zh |
| 0230 Eblonzyerefl          | G7 V M0 D    | B334210-D Lo Ni         | 403 Zh B334210-D Lo Ni         | 403 Zh B334210-D Lo Ni         | 403 Zh |
| 0231 Tseezh                | V 7M         | B000762-B Na As         | 811 Zh B000762-B Na As         | 811 Zh B000762-B Na As         | 811 Zh |
| 0232 Jdiprqrafr            | M4 III       | B100A99-C Z Hi Na In Va | 923 Zh B100A99-C Z Hi Na In Va | 923 Zh B100A99-C Z Hi Na In Va | 923 Zh |
| 0233 Yied                  | M3 V         | B43677B-C               | 721 Zh B43677B-C               | 721 Zh B43677B-C               | 721 Zh |
| 0235 Pliploranshich        | F3 IV        | B626611-7 Ni            | 825 Zh B626611-7 Ni            | 825 Zh B626611-7 Ni            | 825 Zh |
| 0239 Ilrt                  | F5 V         | B698542-B Ag Ni An      | 803 Zh B698542-B Ag Ni An      | 803 Zh B698542-B Ag Ni An      | 803 Zh |
| 0240 Astanch               | MO V         | A341410-E Ni Po         | 301 Zh A341410-E Ni Po         | 301 Zh A341410-E Ni Po         | 301 Zh |
| 0306 Zaerrg                | M3 V         | C674683-8 Ag Ni         | 103 Va C674683-8 Ag Ni         | 103 Va C674683-8 Ag Ni         | 103 Va |
| 0309 Unoldhasaellae        | M7 V         | B300687-9 Na Ni Va      | 501 Vp B300687-9 Na Ni Va      | 501 Vp B300687-9 G Na Ni Va    | 201 Vb |
| 0317 Gzoulakhgha           | K9 V M0 VI   | B793ACD-D Hi In         | 310 Vp B793ACD-D Hi In         | 310 Vp B793ACD-D Hi In         | 310 Vb |
| 0323 Llathoevaghoe         | M3 V M3 D    | B673878-A               | 410 Va B673878-A               | 410 Vp B673878-A               | 410 Vb |
| 0325 Dzado                 | M3 V         | B6A4896-8 F1            | 703 Va B6A4896-8 F1            | 703 Va B6A4896-8 Fl            | 703 Va |
| 0327 Iatl Iatl             | G5 V M4 D    | B685233-B Lo Ni         | 322 Zh B685233-B Lo Ni         | 322 Zh B685233-B Lo Ni         | 322 Zh |
| 0329 Enjqore               | M7 V         | A247245-A Z Lo Ni       | 210 Zh A247245-A Z Lo Ni       | 210 Zh A247245-A Z Lo Ni       | 210 Zh |
| 0334 Blienzkats            | M8 VI M2 D   | B465110-9 Lo Ni         | 401 Zh B465110-9 Lo Ni         | 401 Zh B465110-9 Lo Ni         | 401 Zh |
| 0337 Vriaajets             | K7 V M4 V    | B583554-A Z Ni          | 801 Zh B583554-A Z Ni          | 801 Zh B583554-A Z Ni          | 801 Zh |
| 0339 Diekech               | M4 III       | B334579-C Ni            | 115 Zh B334579-C Ni            | 115 Zh B334579-C Ni            | 115 Zh |
| 0401 Angudh                | M7 V         | E7A77BA-B C Fl Si       | 721 Va E7A77BA-B C F1 Si       | 721 Va E7A77BA-B Fl Si         | 721 Va |
| 0402 Knoelurzudal          | M7 VI        | A352614-D Ni Po         | 803 Va A352614-D Ni Po         | 803 Va A352614-D Ni Po         | 803 Va |
| 0403 Duduell               | F0 V         | C352215-6 C Lo Ni Po    | 203 Va C352215-6 C Lo Ni Po    | 203 Va C352215-6 C Lo Ni Po    | 203 Va |
| 0405 Tarraekhs             | M4 V M2 D    | B000657-C C Na Ni As    | 311 Va B000657-C C Na Ni As    | 311 Va B000657-C C Na Ni As    | 311 Va |

| Hex System Name           |              |                       |                                |                                |        |
|---------------------------|--------------|-----------------------|--------------------------------|--------------------------------|--------|
|                           | Stellar Data | UWP 1105 B Remakrs    | PBG Al UWP 1120 B Remarks      | PBG Al UWP 1200 B Remarks      | PBG A1 |
| 0407 Uedhoelukhue         | K6 V         | B300314-9 Lo Ni Va    | 920 Va B300314-9 Lo Ni Va      | 920 Vp B300314-9 Lo Ni Va      | 920 Vb |
| 0410 Roeknughroe          | M4 III       | B100A99-C Hi Na In Va | 924 Vp B100A99-C G Hi Na In Va | 924 Vp B100A99-C G Hi Na In Va | 924 Vb |
| 0411 Zuts Asgning         | M3 V         | B43677B-B G           | 222 Vp B43677B-B G             | 222 Vp B43677B-B G             | 222 Vb |
| 0419 Uefokung             | F6 IV        | D433640-6 C Na Ni Po  | 821 Vp D433640-6 C Na Ni Po    | 821 Vp D433640-6 Na Ni Po      | 821 Vb |
| 0422 Rarksagzvungougae    | M1 V         | A110100-D Lo Ni       | 701 Va A110100-D Lo Ni         | 701 Vp A110100-D Lo Ni         | 701 Vb |
| 0425 Zulgziga             | K0 V         | C8B4854-8 F1          | 202 Va C8B4854-8 F1            | 202 Va C8B4854-8 Fl            | 202 Va |
| 0426 Ethue                | F7 V M5 D    | B254363-B Lo Ni An    | 233 Va B254363-B Lo Ni An      | 233 Va B254300-B Lo Ni An      | 233 Va |
| 0428 Vlazh Epr            | MO III       | C5A179C-5 Z F1        | 524 Zh C5A179C-5 Z Fl          | 524 Zh C5A179C-5 Z F1          | 524 Zh |
| 0430 Zhdapl               | K3 V M1 VI   | B63A58B-A Ni Wa       | 201 Zh B63A58B-A Ni Wa         | 201 Zh B63A58B-A Ni Wa         | 201 Zh |
| 0433 Onsansh              | G1 V         | B677732-5 Z Ag        | 221 Zh B677732-5 Z Ag          | 221 Zh B677732-5 Z Ag          | 221 Zh |
| 0438 Odliadr              | G2 V         | D7A7655-6 Ni F1       | 610 Zh D7A7655-6 Ni Fl         | 610 Zh D7A7655-6 Ni Fl         | 610 Zh |
| 0439 Aek Elakfough        | K8 V M7 D    | A000002-G Lo Ni As    | 220 Va A000312-G Lo Ni As      | 920 Va A000412-G Lo Ni As      | 220 Va |
| 0440 Oughaetha            | M2 V M2 D    | B767668-5 Ag Ni Ri    | 401 Va B767668-5 Ag Ni Ri      | 401 Va B767658-5 Ag Ni Ri      | 401 Va |
| 0502 Gvuksdourrgh         | M3 V         | A685132-C G Lo Ni     | 803 Vs A685132-C G Lo Ni       | 803 Va X685000-0 C Lo Ba Ni Wi | 103 Va |
| 0503 Songi                | M9 V M1 D    | B736467-A Ni 0:0402   | 110 Vs B736467-A Ni 0:0402     | 110 Va B736467-A Ni O:0402     | 110 Va |
| 0504 Llaegh               | F0 V M4 D    | B638359-9 C Lo Ni     | 110 Va B638359-9 C Lo Ni       | 110 Va B638359-9 Lo Ni         | 110 Va |
| 0505 Torrvagve            | F3 V         | A577226-C Lo Ni An    | 520 Va A577226-C Lo Ni An      | 520 Va A577526-C G Lo Ni An    | 220 Va |
| 0512 Uthgvoe              | A3 II K5 V   | A481466-B Ni Cx       | 710 Vp A481466-B Ni Cx         | 710 Vp A481426-B G Ni Cx       | 710 Vb |
| 0517 Gvoeloegnoethu       | K6 V M3 D    | B63A410-A G Ni Wa     | 702 Vp B63A410-A G Ni Wa       | 702 Vp B63A410-A G Ni Wa       | 702 Vb |
| 0525 Gzughzuvulling       | III 6M       | A693530-A Ni          | 433 Va A693530-A Ni            | 433 Va A693530-A Ni            | 433 Va |
| 0528 Oenoukh              | M8 V         | C794459-9 Ni          | 820 Va C794459-9 Ni            | 820 Va C794459-9 Ni            | 820 Va |
| 0529 Khoeghersaeng        | Λ 65         | B896455-7 Ni          | 823 Vn B896455-7 Ni            | 823 Va B896455-7 Ni            | 823 Va |
| 0535 Sitlshagr            | A8 V         | B000331-C Lo Ni As    | 721 Zh B000331-C Lo Ni As      | 721 Zh B000331-C Lo Ni As      | 721 Zh |
| 0536 Ognirrirrgzegukhuekh | F7 V M9 D    | E86A346-4 Lo Ni Wa    | 701 va E86A346-4 Lo Ni Wa      | 701 Va E86A346-4 Lo Ni Wa      | 701 Va |
| 0537 Tuetingou            | M5 V         | C659337-5 Lo Ni       | 501 Va C659337-5 Lo Ni         | 501 Va C659337-5 Lo Ni         | 501 Va |
| 0538 Tagakfaduen          | M3 V         | C89A225-9 Lo Ni Wa    | 211 Va C89A225-9 Lo Ni Wa      | 211 Va C89A225-9 Lo Ni Wa      | 211 Va |
| 0539 Rougungol            | V 9M         | B330479-B C Ni Po De  | 501 Va B330479-B C Ni Po De    | 501 Va B330479-B C Ni Po De    | 501 Va |
| 0613 Aroelloe             | M6 V M6 D    | B9C5533-9 Ni F1       | 303 Vp B9C5533-9 Ni F1         | 303 Vp B9C5533-9 Ni Fl         | 303 Vb |
| 0618 Luerrghankaerz       | K2 V         | E276445-5 Ni          | 812 Vp E276445-5 Ni            | 812 Vp E276445-5 Ni            | 812 Vb |
| 0619 Agsaez               | G8 V         | DAC8787-9 F1          | 534 Va DAC8787-9 F1            | 534 Vp DAC8787-9 F1            | 534 Vb |
| 0625 Foggzukoetsaellksakh | MO V         | C502867-8 C Na Ic Va  | 610 Va C502867-8 C Na Ic Va    | 610 Va C5028CB-8 C Na Ic Va    | 610 Va |
| 0629 Az                   | G2 D M0 D    | B657445-6 Ni          | 210 Vn B657445-6 Ni            | 210 Va B657445-6 Ni            | 210 Va |
| 0630 Taknarkag            | M3 II G0 V   | B370467-A G Ni De     | 112 Vn B370467-A H Ni De       | 112 Va B370499-A H Ni De       | 112 Va |
| 0633 Aldhagh              | M8 V         | A454420-9 Ni          | 210 Va A454420-9 Ni            | 210 Va A454420-9 Ni            | 210 Va |
| 0634 Izivr                | F2 V         | D326974-9 Hi In       | 922 Zh D326974-9 Hi In         | 922 Zh D326974-9 Hi In         | 922 Zh |
| 0635 Saedhuenragh         | M7 V         | B441455-8 Ni Po       | 223 Va B441455-8 Ni Po         | 223 Va B441455-8 Ni Po         | 223 Va |
| 0639 Fourfurrghagh        | K5 V         | B436352-E Lo In       | 221 Va B436352-E Lo In         | 221 Va B436352-E Lo In         | 221 Va |

| Unified Gvurrdon UWP stats | P stats      |                       |                              |                              |        |
|----------------------------|--------------|-----------------------|------------------------------|------------------------------|--------|
| Hex System Name            | Stellar Data | UWP 1105 B Remakrs    | PBG Al UWP 1120 B Remarks    | PBG Al UWP 1200 B Remarks    | PBG A1 |
| 0703 Dzukoun               | F6 V         | B788899-7 Ri An       | 414 Vs B788899-7 Ri An       | 414 Vs C788759-7 An Bl Wi    | 814 Va |
| 0709 Onengoen              | M4 V         | B450778-A Po De       | 302 Va B450778-A Po De       | 302 Vp B450778-A Po De       | 302 Vd |
| 0719 Suedh                 | V 6M         | B436113-D C Lo Ni     | 510 Va B436113-D Lo Ni       | 510 Vp B436113-D Lo Ni       | 510 Vb |
| 0720 Tsukifi               | G3 V         | B97788C-8             | 220 Va B97788C-8             | 220 Vp B97788C-8             | 220 Vb |
| 0725 Gvoedhoeks            | M7 V M1 D    | B582574-9 C Ni        | 801 Va B582574-9 C Ni        | 801 Va B582574-9 C Ni        | 801 Va |
| 0727 Roegoukhaghoe         | KO V M9 D    | B554853-7             | 302 Va B554853-7             | 302 Va B554853-7             | 302 Va |
| 0728 Oraedzaeng            | M4 V M6 D    | B436445-C Ni          | 302 Vn B436445-C Ni          | 302 Va B436445-C Ni          | 302 Va |
| 0729 Ghin Uerr             | КЗ V         | B865253-7 Lo Ni       | 421 Vn B865253-7 Lo Ni       | 421 Va B865253-7 Lo Ni       | 421 Va |
| 0730 Kson                  | F7 V         | B5A487A-A G F1        | 224 Vn B5A487A-A F1          | 224 Vn B5A487A-A F1          | 224 Va |
| 0735 Aeghez                | M5 V         | B898537-6 Ag Ni       | 802 Va B898537-6 Ag Ni       | 802 Va B898537-6 Ag Ni       | 802 Va |
| 0736 Kor                   | M8 V         | B66A425-9 Ni Wa       | 310 Va B66A425-9 Ni Wa       | 310 Va B66A425-9 Ni Wa       | 310 Va |
| 0737 Duekh                 | G4 VI        | E7A6886-8 C F1        | 434 Va E7A6886-8 C Fl        | 434 Va E7A6886-8 C F1        | 434 Va |
| 0739 Kuenruekh             | F3 D         | C358766-7 Ag          | 420 va C358766-7 Ag          | 420 Va C35874A-7 Ag          | 420 Va |
| 0803 Zangerr               | M4 V         | D100542-7 Ni Va       | 723 Va D100542-7 Ni Va       | 723 Vs D100000-0 Ni Va       | 023 Va |
| 0804 Ksaghae               | M2 V M6 D    | D878310-5 C Lo Ni     | 310 Va D878310-5 C Lo Ni     | 310 Vs E878245-6 Lo Ni Bl Wi | 310 Va |
| 0807 Tengerkukokhs         | A8 V         | C87A532-8 Ni Wa       | 322 Va C87A532-8 G Ni Wa     | 322 Vp C87A532-8 Ni Wa       | 322 Vd |
| 0808 Ellfoegoezou          | G7 VI        | E58878B-5 Ag Ri       | 810 Va E58878B-5 Ag Ri       | 810 Vp E58878B-5 Ag Ri       | 810 Vd |
| 0809 Gantsugh              | M2 V         | A000100-D Lo Ni As    | 420 Vd A000100-D Lo Ni As    | 420 Vp A000100-D G Lo Ni As  | 420 Vd |
| 0815 Khaeknae              | M4 V         | B485898-9 Ri          | 102 Vd B485898-9 Ri          | 102 Vp B485898-9 Ri          | 102 Vb |
| 0817 Ellallue              | M4 V M9 D    | B302632-9 Na Ni Ic Va | 901 Vd B302632-9 Na Ni Ic Va | 901 Vp B302632-9 Na Ni Ic Va | 901 Vb |
| 0821 Gvurrdon              | M4 V         | B756986-C C Hi        | 503 Va B756986-C Hi          | 503 Vp B756986-C Hi          | 503 Vb |
| 0824 Aerrigha              | M4 V         | B6888DE-7             | 724 Va B6888DE-7 C           | 724 Va B6888DE-7 C           | 724 Va |
| 0832 Uenag                 | MO VI        | D343534-6 C Ni Po     | 210 Va D343534-6 C Ni Po     | 210 Vr D343534-6 C Ni Po     | 210 Va |
| 0901 Onllae Roungo         | M4 VI M8 D   | A886633-9 Ag Ni       | 910 Vs A886633-9 Ag Ni       | 910 V9 B886639-4 Ag Ni Bl Wi | 810 Va |
| 0904 Korruelloko           | KO V M5 D    | B100767-9 Na Va       | 903 Vs B100767-9 Na Va       | 903 Vs X100000-0 Va Ba Wi    | 003 Va |
| 0908 Taekfoengsegzo        | G5 VI M4 D   | B866569-9 Ag Ni       | 901 Va B866569-9 Ag Ni       | 901 Vp B866553-9 Ag Ni Cx    | 901 Vd |
| 0926 Daerrg                | M4 V         | C636627-9 C Ni        | 723 Va C636627-9 Ni          | 723 Vr C636627-9 Ni          | 723 Va |
| 0929 Orra                  | F9 II        | A00089C-F Na As Cx    | 710 Vn A00089C-F G Na As Cx  | 710 Vr A00079C-F G Na As Cx  | 810 Vg |
| 0930 Uegukell Vakfez       | G2 IV K8 V   | BAD48AD-6 F1          | 102 Vn BAD48AD-6 Fl          | 102 Vr BAD48AD-6 Fl          | 102 Vg |
| 0934 Vurrfourraeksan       | FO V         | A65A255-A Lo Ni Wa    | 422 Va A65A255-A Lo Ni Wa    | 422 Vr A65A255-A C Lo Ni Wa  | 422 Va |
| 0935 Saksoukuer            | A3 IV K8 V   | B5727AC-6             | 712 Va B5727AC-6 G           | 712 Vr B5727AC-6             | 712 Va |
| 0937 Aerritho              | M9 VI M6 D   | B30086B-B G Na Va     | 701 Vr B30086B-B G Na Va     | 701 Vc B3008C7-B G Na Va Cx  | 701 V1 |
| 0938 Neridhueraeng         | M4 V         | B431334-B Lo Ni Po    | 501 Va B431334-B Lo Ni Po    | 501 Vc B431334-B Lo Ni Po    | 501 Vl |
| 0939 Ghin                  | M8 III       | C47778C-6 C Ag        | 810 Va C47778C-6 Ag          | 810 Vc C47778C-6 Ag          | 810 Vl |
| 1009 Luerrgnudhlaerz       | K5 V         | B657337-7 G Lo Ni     | 323 Vd B657337-7 G Lo Ni     | 323 Vp B657337-7 G Lo Ni     | 323 Vb |
| 1010 Gzonough              | F7 V M7 D    | D524842-3 Na          | 730 Vd D524842-4 Na          | 930 Vp D524842-4 Na          | 930 Vb |
| 1014 Okskful               | G2 D M3 D    | В661953-9 Ні          | 602 Vd B661953-9 Hi          | 602 Vp B661953-9 Hi          | 602 Vb |
|                            |              |                       |                              |                              |        |

| Unified Gvurrdon UWP stats | stats        |                        |                       |           |                                   |          |
|----------------------------|--------------|------------------------|-----------------------|-----------|-----------------------------------|----------|
| Hex System Name            | Stellar Data | UWP 1105 B Remakrs     | PBG Al UWP 1120 B Rem | Remarks   | PBG Al UWP 1200 B Remarks         | PBG A1   |
| 1015 Tongaesodhongaell     | MO V         | C435379-6              | 201 Vd C435379-6      |           | 201 Vp C435379-6                  | R 201 Vb |
| 1023 Gegvouk               | K1 V M0 D    | B9AA887-C Wa F1        | 104 Va B9AA887-C Wa   | Fl        | 104 Va B9AA887-C C Wa Fl          | 104 Va   |
| 1027 Saell                 | MO V         | A357AAC-F G Hi         | 102 Vn A357AAC-F G Hi |           | 102 Vr A3578AC-F G Hi             | 202 Vg   |
| 1034 Dheg                  | КЗ V         | E310335-7 C Lo Ni      | 204 Va E310335-7 Lo   | iN        | 204 Vr E310335-7 Lo Ni            | 204 Va   |
| 1036 Koekh Uez             | F7 V         | A453672-9 Ni Po        | 724 Vr A453672-9 Ni   | Ро        | 724 Vc C453332-7 Ni Po            | 424 Vl   |
| 1037 Inghinfudzolorz       | K2 II M3 V   | B6A5786-8 Fl Si        | 343 Vr B6A5786-8 Fl   | Si        | 343 Vc B6A5786-8 Fl Si            | 343 Vl   |
| 1039 Zaenluekegze          | FO V         | B200686-B Na Ni Va     | 334 Va B200686-B Na   | Ni Va     | 334 Vc B200686-B Na Ni Va         | 334 Va   |
| 1102 Aksugzael             | M6 V M1 D    | BAC5786-9 F1           | 802 Vs BAC5786-9 Fl   |           | 802 VV XAC5000-0 Ba Fl Wi         | 002 Va   |
| 1104 Ngues                 | M2 V M5 D    | D777430-5 Ni           | 501 Va D777430-5 Ni   |           | 501 VV E777200-4 Lo Ni Wi         | 201 Va   |
| 1106 Rueskhen              | M7 III       | C220331-B Lo Ni De     | 722 Va C220331-B Lo   | Ni De     | 722 Va X220000-0 Ba De Wi         | 022 Va   |
| 1107 Tsuengingeguekaetho   | K2 V         | B5A5204-B Lo Ni        | 814 Va B5A5204-B Lo   | Ŋĵ        | 814 Va B5A5204-B Lo Ni            | 814 Va   |
| 1109 Louks Aek             | K6 V         | E384026-3 Lo Ni        | 703 Vd E384026-3 Lo   | Ni        | 703 Vp E384026-3 Lo Ni            | 703 Vb   |
| 1112 Ksethu                | M5 V         | A00089B-E Na As        | 622 Vd A00089B-E Na   | As        | 622 Vp A00089B-E Na As            | 622 Vb   |
| 1115 Allous                | M1 V         | B65A773-A Wa           | 713 Vd B65A773-A Wa   |           | 713 Vp B65A773-A Wa               | 713 Vb   |
| 1116 Dzerrdhakse           | F4 VI        | A766645-B G Ag Ni Ri   | 914 Vd A766645-B G Ag | Ni Ri     | 914 Vp A766645-B G Ag Ni Ri       | 914 Vb   |
| 1119 Darrugsug             | F2 V         | B344564-B Ag Ni O:1116 | 602 Vd B344564-B Ag   | Ni 0:1116 | 602 Vp B344564-B Ag Ni O:1116     | 602 Vb   |
| 1120 Vonghoe               | G7 VI M8 D   | B4007CG-9 Na Va        | 622 Vd B4007CG-9 Na   | Va        | 622 Vp B4007CG-9 Na Va            | 622 Vb   |
| 1125 Tagath                | F6 IV M0 D   | B989559-A Ni           | 701 Va B989559-A Ni   |           | 701 Vr B989559-A Ni               | 701 Vf   |
| 1126 Raezarourkollarrakhs  | FO V         | C466400-B Ni Si        | 521 Vn C466400-B Ni   | Si        | 521 Vr C466634-B G Ni Si          | 621 Vf   |
| 1128 Langaetoukoe          | M1 III G8 V  | E433573-7 Ni Po        | 120 Vn E433573-7 Ni   | Ро        | 120 Vr E433573-7 Ni Po            | 120 Vg   |
| 1129 Koekhae               | F3 II M0 D   | B67A101-A Lo Ni Wa     | 724 Vn B67A101-A Lo   | Ni Wa     | 724 Vr B67A121-A G Lo Ni Wa       | 924 Vg   |
| 1132 Ogotelloegzllig       | M2 III       | A576842-8              | 324 Vn A576842-8      |           | 324 Vr A576842-8                  | 324 Va   |
| 1134 Aeggiks               | M3 V         | A505401-E Ni Ic Va     | 920 Va A505401-E Ni   | Ic Va     | 920 Vr A505401-E Ni Ic Va         | 920 Va   |
| 1140 Akfukh                | F9 V M6 D    | D330689-7 Na Ni Po De  | 603 Va D330689-7 Na   | Ni Po De  | 603 Vc D330689-7 Na Ni Po De      | 603 Va   |
| 1201 Uekongull             | G IV MO D    | A779324-E Lo Ni        | 301 Va A779324-E Lo   | Ni        | 301 VV X779000-5 Ba Lo Ni Wi      | 901 Va   |
| 1216 Ngoerrgh              | K8 V         | E22065A-7 Na Ni Po De  | 603 Vd E22065A-7 Na   | Ni Po De  | 603 Vp E22065A-7 Na Ni Po De      | 603 Vb   |
| 1219 Ngurstur              | F3 V         | C87A111-5 Lo Ni Wa     | 434 Vd C87A111-5 Lo   | Ni Wa     | 434 Vp C87A111-5 G Lo Ni Wa       | 434 Vb   |
| 1225 Aedhar                | MO V         | B4908C9-A De           | 422 Va B4908C9-A De   |           | 422 Vr B4908C9-A De               | 422 Vf   |
| 1226 Voullatueng           | K6 V         | A203326-E Lo Ni Ic Va  | 421 Vn A203326-E Lo   | Ni Ic Va  | 421 Vr A203326-E G Lo Ni Ic Va Cx | 421 Vf   |
| 1233 Udaethaen             | F6 IV        | E221336-9 Lo Ni Po     | 720 Vn E221336-9 Lo   | Ni Po     | 720 Vr E221336-9 Lo Ni Po         | 720 Va   |
| 1236 Ksorraknue            | V 69         | B200657-C Na Ni Va     | 104 Vr B200657-C Na   | Ni Va     | 104 Vc B200657-C Na Ni Va         | 104 Va   |
| 1238 Uerzthu               | GO V M6 D    | B325986-B Hi In        | 302 Va B325986-B Hi   | In        | 302 Vc B325986-B Hi In            | 302 Va   |
| 1305 Kukhvu                | K7 V M3 D    | A000422-F Ni As        | 911 Vs A000422-F Ni   | As        | 911 VV X000000-0 Ba As Wi         | 011 Va   |
| 1307 Rinvoengerrazodhae    | F4 V M6 D    | C11077B-A Na           | 601 Va C11077B-A Na   |           | 601 Va X110000-0 Ba Wi            | 001 Va   |
| 1310 Vaeghovangugh         | M8 III G7 D  | A576842-8              | 324 Vd A576842-8      |           | 324 Vp A576842-8                  | 324 Vb   |
| 1315 Firullvorzkokh        | M6 V M3 VI   | B436654-9 Ni           | 920 Vd B436654-9 Ni   |           | 920 Vp B436654-9 G Ni             | 920 Vb   |
| 1317 Aegadh                | G4 V M0 VI   | B737AEC-B Hi           | 924 Vd B737AEC-B Hi   | Cp        | 924 Vp B737AEC-B G Hi Cp          | 924 Vb   |

| Unified Gvurrdon UWP stats   | stats        |             |             |                      |             |                                  |          |
|------------------------------|--------------|-------------|-------------|----------------------|-------------|----------------------------------|----------|
| Hex System Name              | Stellar Data | UWP 1105 B  | Remakrs     | PBG Al UWP 1120 B 1  | Remarks     | PBG Al UWP 1200 B Remarks        | PBG A1   |
| 1318 Soerkon Aeth            | F1 D         | A23477A-B   |             | 520 Vd A23477A-B     |             | 520 Vp A23477A-B G               | 520 Vc   |
| 1320 Dhaeghoerzeoe           | F6 VI        | B73A478-D   | Ni Wa       | 922 Vd B73A478-D     | Ni Wa       | 922 Vp B73A478-D G Ni Wa         | 922 Vc   |
| 1327 Akhaedag                | M1 VI        | B463355-B G | Lo Ni       | 801 Vn B463355-B G   | Lo Ni       | 801 Vr B463355-B G Lo Ni         | 801 Vf   |
| 1333 Sethgnakh               | Λ 65         | D86769C-4   | Ag Ni Ri    | 535 Vn D86769C-4     | Ag Ni Ri    | 535 Vr D86769C-4 Ag Ni Ri        | 535 Va   |
| 1336 Okfozarrga              | K5 V M1 D    | A596322-9   | Lo Ni Cp    | 313 vr A596322-9     | Lo Ni Cx    | 313 Vc X596000-0 Ba              | R 013 Va |
| 1337 Thoghaezae              | MO V M5 D    | E5A1100-8   | Lo Ni Fl    | 601 Vr E5A1100-8     | Lo Ni Fl    | 601 Vc E5A1300-8 Lo Ni Fl        | 901 Va   |
| 1413 Dzuerongvoe             | A4 V K9 D    | B664997-C   | Hi Cp       | 422 Vd B664997-C     | Hi          | 422 Vp B664997-C G Hi            | 422 Vc   |
| 1415 Urkhaksadh              | F4 V         | A120212-B   | Lo Ni Po De | 503 Vd A120212-B     | Lo Ni Po De | 503 Vp A120212-B G Lo Ni Po De   | 503 Vb   |
| 1417 Lling                   | G8 V         | B261866-9   | Ri 0:1318   | 722 Vd B261866-9     | Ri 0:1318   | 722 Vp B261866-9 Ri 0:1318       | 722 Vc   |
| 1418 Oesar Gin               | M2 V M2 D    | B86A322-C G | Lo Ni Wa    | 701 Vd B86A322-C G   | Lo Ni Wa    | 701 Vp B86A322-C G Lo Ni Wa      | 701 Vc   |
| 1419 Ilung                   | M4 II        | B561257-7   | Lo Ni       | 323 Vd B561257-7     | Lo Ni       | 323 Vp B561257-7 Lo Ni           | 323 Vc   |
| 1420 Dhallorag               | K6 III       | D554332-4   | Lo Ni       | 622 Vd D554332-4     | Lo Ni       | 622 Vp D554332-4 Lo Ni           | 622 Vc   |
| 1421 Kfolaell                | M3 V         | B86AAA6-B   | Hi Wa       | 403 Vd B86AAA6-B     | Hi Wa       | 403 Vp A86AAA6-B G Hi Wa         | 403 Vb   |
| 1428 Ogvasaekha              | F7 V         | B667877-9   | Ri          | 122 Vn B667877-9     | Ri          | 122 Vr B667877-9 G Ri            | 122 Vh   |
| 1429 Orz                     | F8 V M4 D    | D95A88C-6   | Wa          | 524 Vn D95A88C-6     | Wa          | 524 Vr D95A88C-6 Wa              | 524 Vh   |
| 1430 Fagvaenghuenouts        | K2 V         | B440786-8   | Po De       | 925 Vn B440786-8     | Po De       | 925 Vr B440786-8 Po De           | 925 Vh   |
| 1434 Dharrgkhaksuzarorrdzuer | G 0M V 69    | B843200-7   | Lo Ni Po    | 901 Vn B843200-7     | Lo Ni Po    | 901 Vr B843200-7 Lo Ni Po        | 901 Vm   |
| 1502 Oungeghuegue            | M6 V         | B324521-C   | Ni          | 521 Vg B324521-C     | Ni          | 521 VV X324000-0 Ba Wi           | 021 Va   |
| 1503 Dhueks                  | M9 V M8 D    | B433101-D   | Lo Ni Po    | 701 Vg B433101-D     | Lo Ni Po    | 701 VV X433000-0 Ba Wi           | 001 Va   |
| 1504 Naen Dzi Ona            | K1 IV        | A55879D-B   | Ag          | 802 Vg A55879D-B     | Ag          | 802 VV X55856D-3 Ag Ni Bl Wi     | 702 Va   |
| 1506 Roedz                   | M2 D         | A585575-9 G | Ag Ni       | 401 Vg A585575-9 G A | Ag Ni       | 401 Va B585400-8 G Ni Bl Wi      | 201 Va   |
| 1508 Gikhs                   | M9 V M5 D    | B766759-7   | Ag Ri       | 801 Vg B766759-7     | Ag Ri       | 801 Va C766568-5 Ag Ni Bl Wi     | 901 Va   |
| 1511 Thadzlaksak             | Λ 65         | D86769C-4   | Ag Ni Ri    | 535 Vd D86769C-4     | Ag Ni Ri    | 535 Vp D86769C-4 Ag Ni Ri        | 535 Vb   |
| 1512 Ngaengza Duegha         | F8 V         | B75A779-6 G | Wa          | 914 Vd B75A779-6 G I | Wa          | 914 Vp B75A779-6 Wa              | 914 Vb   |
| 1524 Raersava                | G1 V M7 D    | B100262-A   | Lo Ni Va    | 903 Va B100262-A     | Lo Ni Va    | 903 Vg B100262-A Lo Ni Va 0:1623 | 903 Vc   |
| 1527 Kaneldhuellough         | K9 V         | A6535A9-A   | Ni Po       | 523 Va A6535A9-A     | Ni Po       | 523 Vr A6535A9-A Ni Po           | 523 Va   |
| 1528 Ghenkerongolu           | M4 V M8 D    | B331778-B   | Na Po       | 601 Vn B331778-B     | Na Po       | 601 Vr A331778-B G Na Po Cx      | 601 Vh   |
| 1535 Noe                     | M4 III       | A110464-D   | ĽN          | 323 Va All0464-D     | Νi          | 323 Vr All0454-D H Ni Cx         | 323 Vm   |
| 1539 Dhaengae                | M4 V M3 D    | B9789AA-A   | Hi In       | 410 Va B9789AA-A     | Hi In       | 410 Va B9789AA-A Hi In           | 410 Va   |
| 1602 Iloungrraegzer          | M1 D         | D538567-7   | iN          | 401 Vg D538567-7     | iN          | 401 VV E538442-7 Ni Lo Po Bl Wi  | 101 Va   |
| 1616 Gaknau Val              | M6 III M7 D  | A98A614-2 G | Ni Wa       | 620 Vd A98A614-2 G 1 | Ni Wa       | 620 Vq A98A614-2 G Ni Wa         | 620 Vc   |
| 1622 Illkarkunotoe           | M6 V         | B54587A-A   |             | 420 Vd B54587A-A     |             | 420 Vq B54587A-A                 | 420 Vc   |
| 1623 Taeksoudhagnou          | M2 VI        | A5A488C-D   | Fl          | 323 Vd A5A488C-D G   | F1 Cx       | 323 Vq A5A488C-D G F1 Cx         | 323 Vc   |
| 1631 Ougzsaeg                | M8 V M1 D    | E9A9741-8   | Fl          | 602 Vn E9A9741-8     | F1          | 602 Vr E9A9641-8 C Fl            | 902 Va   |
| 1634 Usere                   | M8 V         | B200664-7   | Na Ni Va    | 224 Va B200664-7     | Na Ni Va    | 224 Vr B200674-7 C Na Ni Va      | 224 Vm   |
| 1709 Okfitos                 | F3 V         | B000641-9 N | Na Ni As An | 923 Vg B000641-9 Na  | Na Ni As An | 923 Va X000000-0 Ba As An Wi     | 023 Va   |
| 1713 Zuerrguell              | F2 V         | B432321-A   | Lo Ni Po    | 120 Vd B432321-A G   | G Lo Ni Po  | 120 Vq B432321-A G Lo Ni Po      | 120 Vc   |

| Unified Gvurrdon UWP stats | stats        |                        |                                |                               |        |
|----------------------------|--------------|------------------------|--------------------------------|-------------------------------|--------|
| Hex System Name            | Stellar Data | UWP 1105 B Remakrs     | PBG Al UWP 1120 B Remarks      | PBG Al UWP 1200 B Remarks     | PBG A1 |
| 1714 Rirrronggzerzoell     | M3 V M3 D    | B3728AD-B              | 110 Vd B3728AD-B               | 110 Vq B3728AD-B              | 110 Vc |
| 1716 Ghugi                 | M3 V         | B686567-B Ag Ni 0:1717 | 404 Vd B686567-B Ag Ni O:1717  | 404 Vq B686567-B Ag Ni O:1717 | 404 Vc |
| 1717 Lloursouth            | M4 V M4 D    | A253A9E-C Hi Po        | 602 Vd A253A9E-C Hi Po         | 602 Vg A253A9E-C Hi Po        | 602 Vc |
| 1721 Ungan                 | FO V         | B402122-D Lo Ni Ic Va  | 423 Vd B402122-D G Lo Ni Ic Va | 423 Vq B402122-D Lo Ni Ic Va  | 423 Vc |
| 1722 Tsounduekfegun        | M8 V M3 D    | B246455-C Ni           | 201 Vd B246455-C Ni            | 201 Vq B246455-C Ni           | 201 Vc |
| 1724 Ouse Faeg             | G8 V M3 D    | A69476A-B G AG 0:1623  | 222 Vd A69476A-B G Ag 0:1623   | 222 Vq A69476A-B G Ag O:1623  | 222 Vc |
| 1726 Aengvoung             | M1 II        | A682766-B Ri           | 520 Va A682766-B Ri            | 620 Va A682731-B Ri           | 620 Va |
| 1728 Ankhir                | M2 V         | C6869BB-7 Hi           | 613 Vn C6869BB-7 Hi            | 613 Va C6869BB-7 Hi           | 613 Va |
| 1734 Erzthung              | K4 V         | E75A440-6 Ni Wa        | 623 Va E75A440-6 Ni Wa         | 623 Vr E75A440-6 C Ni Wa      | 623 Vm |
| 1738 Uthith                | MO V         | B210577-C G Ni Cx      | 623 Ve B210577-C G Ni Cx       | 623 V4 B210577-C G Ni Cx      | 623 Vn |
| 1807 Gzazogze              | FO V MS D    | B424779-8              | 313 Vg B424779-8               | 313 Va X424000-0 Ba Wi        | 013 Va |
| 1816 Uzotssaza             | K3 V M9 D    | B225435-D Ni           | 101 Vd B225435-D Ni            | 101 Vq B225435-D Ni           | 101 Vc |
| 1821 Tirrokoelaegz         | F4 V M4 D    | B463645-A Ni Ri Sv     | 312 Vd B463645-A Ni Ri Sv      | 312 Vq B463645-A Ni Ri Sv     | 312 Vc |
| 1823 Lurraengfangnoksas    | M7 VI        | E476232-8 Lo Ni        | 210 Vd E476232-8 Lo Ni         | 210 Vq E476232-8 Lo Ni        | 210 Vc |
| 1830 Vaersngurr            | M5 V         | A99A873-C Wa Cp        | 503 Va A99A873-C Wa Cp         | 503 Vr A99A873-C G Wa Cp      | 503 Vq |
| 1839 Forrodhkhokh          | M5 V M7 D    | B75827B-B Lo Ni        | 201 Ve B75827B-B Lo Ni         | 201 V4 B75827B-B Lo Ni        | 201 Vn |
| 1912 Tsenggvaksdzong       | M3 V M8 D    | E54379A-5 Po           | 910 Vd E54379A-5 Po            | 910 Vq E54379A-5 Po           | 910 Vc |
| 1914 Osuekha               | G1 V         | E692166-5 Lo Ni        | 424 Vd E692166-5 Lo Ni         | 424 Vq E692120-5 Lo Ni        | 424 Vc |
| 1915 Aedzaerz              | K8 V M6 D    | D7658BA-2              | 303 Vd D7658BA-2               | 303 Vg D7658BA-2              | 303 Vc |
| 1918 Vanas                 | M3 II        | B79879C-6 Ag           | 135 Vd B79879C-6 Ag            | 135 Vq B79879C-6 Ag           | 135 Vc |
| 1919 Dhallas               | FO V         | B663564-9 Ni           | 603 Vd B663564-9 Ni            | 603 Vq B66358C-9 Ni           | 603 Vc |
| 1923 Gnoengungag           | F3 V         | B759623-7 Ni           | 734 Vd B759623-7 Ni            | 734 Vq B759623-7 Ni           | 734 Vc |
| 1924 Dzenzaega             | M2 V M8 D    | B20189B-7 Na Ic Va     | 701 Va B20189B-7 Na Ic Va      | 701 Vq B20189B-7 Na Ic Va     | 701 Vc |
| 1930 Asurrorr              | M1 V         | C000526-B Ni As        | 813 Va C000526-B Ni As         | 813 Vr C000526-B Ni As        | 813 Vq |
| 1933 Aethkaek              | M4 V M3 D    | B66A512-C C Ni Wa      | 502 Va B66A512-C C Ni Wa       | 502 Vr B66A512-C C Ni Wa      | 502 Va |
| 1936 Thaeuevae             | M2 III       | D546300-8 G Lo Ni      | 724 Ve D546300-8 G Lo Ni       | 724 V4 D546300-8 G Lo Ni      | 724 Vn |
| 1938 Kousuesi              | F8 V         | EA9A325-5 Lo Ni Wa     | 724 Ve EA9A325-5 Lo Ni Wa      | 724 V4 EA9A325-5 Lo Ni Wa     | 724 Vn |
| 2002 Gkakhaellan           | FO V         | B210ACG-E Hi Na In     | 310 Vg B210ACG-E Hi Na In      | 310 VV X210000-0 Ba Wi        | 010 Va |
| 2005 Tanga                 | M3 V         | B9C56BB-9 Ni F1        | 120 Dr B9C56BB-9 Ni Fl         | 120 Dr B9C56BB-A Ni F1        | 220 Dr |
| 2010 Ragzael               | F5 V M8 D    | B100557-E Ni Va        | 423 Va B100557-E Ni Va         | 423 Va X100000-0 Ba Va Wi     | 023 Va |
| 2015 Aekfo                 | F1 II M2 D   | B645444-8 Ni           | 523 Vd B645444-8 Ni            | 523 Vq B645444-8 Ni           | 523 Vc |
| 2018 Gurzueng              | F5 V M7 D    | B788300-B Lo Ni        | 122 Vd B788300-B Lo Ni         | 122 Vq B788300-B Lo Ni        | 122 Vc |
| 2022 Veksgug               | G8 V         | A576235-A Lo Ni        | 235 Vd A576235-A Lo Ni         | 235 Vq A576235-A Lo Ni        | 235 Vc |
| 2023 Rredzutsaezougova     | M2 II        | B1008AC-D Na Va        | 122 Vd B1008AC-D Na Va         | 122 Vq B1008AC-D Na Va        | 122 Vc |
| 2025 Angasaer              | K9 V M5 D    | B88A846-9 Ri Wa        | 201 Va B88A846-9 Ri Wa         | 201 Va B88A846-9 Ri Wa        | 201 Va |
| 2029 Kfenkudhuegzo         | M3 III       | B656120-7 C Lo Ni      | 320 Va B656120-7 Lo Ni         | 320 Vr B656120-7 Lo Ni        | 320 Vq |
| 2030 Gurzhvoursivazae      | M7 V         | B642410-A Ni Po        | 702 Na B642410-A Ni Po         | 702 Vr B642410-A Ni Po        | 702 Vq |

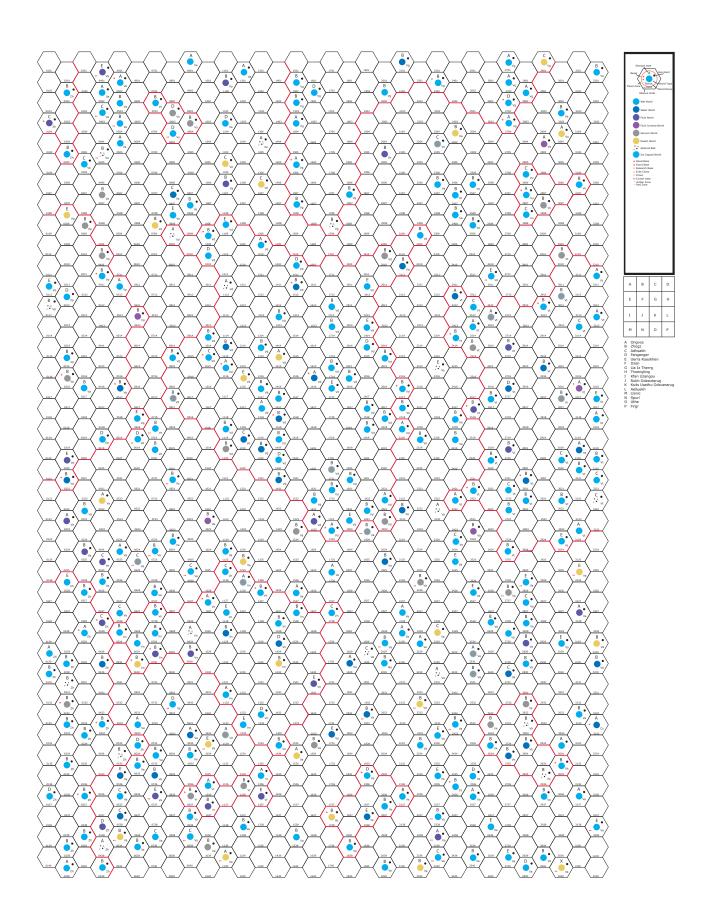
| Unified Gvurrdon UWP stats | stats          |                           |                                    |                                  |        |
|----------------------------|----------------|---------------------------|------------------------------------|----------------------------------|--------|
| Hex System Name            | Stellar Data   | UWP 1105 B Remakrs        | PBG Al UWP 1120 B Remarks          | PBG Al UWP 1200 B Remarks        | PBG A1 |
| 2037 Urrllongonu           | M9 V           | B266545-9 Ag Ni           | 301 Ve B266545-9 Ag Ni             | 301 V4 B266545-9 Ag Ni           | 301 Vn |
| 2040 Ougzdaelzoerrgh       | M1 III         | A899335-B Lo Ni           | 825 Va A899335-B C Lo Ni           | 825 Va A899335-B C Lo Ni         | 825 Va |
| 2101 Vorroeng              | K7 VI          | B58A867-8 Ri Wa           | 303 Vg B58A867-8 Ri Wa             | 303 VV C58A679-8 Ri Wa Wi        | 703 Va |
| 2111 Goedhung              | M4 V M3 D      | B66A512-C Ni Wa           | 502 Vd B66A512-C Ni Wa             | 502 Va X66A46D-6 C Ni Wa Wi      | 102 Va |
| 2117 Ekakh                 | M4 III         | B334579-C G Ni            | 724 Vd B334579-C G Ni              | 724 Vg B334579-C G Ni            | 724 Vc |
| 2118 Tseghagvarz           | G5 IV          | B675746-5 Ag              | 613 Va B675746-5 Ag                | 613 Vg B675746-5 Ag              | 613 Vc |
| 2119 Knaegadae             | FO V           | A525566-D Ni              | 924 Vd A525566-D Ni                | 924 Vq A525586-D Ni              | 924 Vc |
| 2123 Tagnaghoutsozaeng     | G4 V M7 D      | B86A755-9 Ri Wa           | 201 Va B86A755-9 Ri Wa             | 201 Vq B86A755-9 Ri Wa           | 201 Vc |
| 2128 Aellaesgvarzath       | M9 V           | A231355-G Lo Ni Po 0:2129 | 210 Va A231355-G C Lo Ni Po 0:2129 | 210 Va A231365-G Lo Ni Po 0:2129 | 210 Va |
| 2129 Gaekloungoerzaghun    | F4 V           | A697A78-G Hi In Si        | 734 Va A697A78-G Hi In Si          | 834 Va A697A78-H Hi In Si        | 834 Va |
| 2137 Daeksuzaethukue       | M1 V           | B645677-A Ag Ni           | 523 Ve B645677-A Ag Ni             | 523 V4 B645677-A G Ag Ni         | 523 Vn |
| 2209 Ikhotakhang           | F6 IV          | B668766-4 G Ag Ri         | 710 Vd B668766-4 Ag Ri             | 710 Va C668686-1 Ag Ni Bl Wi     | 610 Va |
| 2219 Idza                  | G0 V           | B5748AA-5                 | 815 Va B5748AA-5 G                 | 812 Vq B5748AA-5 G               | 812 Vc |
| 2226 Gnael Over            | M1 V           | B10078C-7 C Ni Va         | 403 va B10078C-7 C Na Va           | 403 Va B10078C-7 C Na Va         | 403 Va |
| 2229 Kueng                 | M1 V M2 D      | A762116-D Lo Ni           | 701 Va A762116-D Lo Ni             | 701 Va A762116-D Lo Ni           | 701 Va |
| 2232 Gzogzu                | M2 V M0 D      | B550889-9 C Po De         | 701 Va B550889-9 C Po De           | 701 Va B550889-9 C Po De         | 701 Va |
| 2234 Tinkaeghzzaklez       | M1 V M5 D      | B444233-A Lo Ni           | 810 Va B444233-A Lo Ni             | 810 Va B444233-A Lo Ni           | 810 Va |
| 2240 Pandrin               | M1 V M6 D M8 D | B260675-B C Ni Ri De      | 201 Va B260675-B C Ni Ri De        | 201 Vk B260675-B C Ni Ri De      | 201 Vp |
| 2302 Karrksinarka          | G2 V           | B886300-8 G Lo Ni         | 403 Vg B886300-8 Lo Ni             | 403 Va B886368-5 Lo Ni Wi        | 603 Va |
| 2305 Uthisodzugoksae       | К9 V           | C403101-A Lo In Ic Va     | 622 Va C403101-A Lo In Ic Va       | 622 Va X403000-0 Ba Ic Va Wi     | 022 Va |
| 2307 Khagogksi             | M1 V           | B452685-9 Ni Po           | 401 Va B452685-9 Ni Po             | 401 Va B452452-8 Ni Po Wi        | 201 Va |
| 2316 Rrouzasun             | V 6M           | E000110-7 Lo Ni As        | 414 Va E000110-7 Lo Ni As          | 414 Vt X000000-0 Ba As Wi        | 014 Va |
| 2323 Orsesokhin            | M5 V M5 VI     | A000874-F Na As           | 110 Va A000874-F Na As             | 110 Vt A000874-F G Cx Na As      | 210 Ve |
| 2329 Gaelaeth              | F6 V M9 D      | C360AC9-A Hi De An        | 614 Va C360AC9-A Hi De An          | 614 Va C360AC9-A Hi De An        | 614 Va |
| 2331 Knall                 | K7 V M3 D      | A000000-C Lo Ba As Ni     | 510 Va A000000-C Lo Ba As Ni       | 510 Va A000000-C Lo Ba As Ni     | 510 Va |
| 2334 Zoe                   | KO VI          | E757499-5 Ni              | 132 Va E757499-5 Ni                | 132 Va E757499-5 Ni              | 132 Va |
| 2336 Otsesu                | M5 II M3 D     | E673442-5 Ni              | 625 Va E673442-5 Ni                | 625 Vk E673442-5 Ni              | 625 Va |
| 2338 Kaets                 | GO IV          | B636631-7 C Ni            | 111 Va B636631-7 C Ni              | 111 Vk B636631-7 H Ni            | 111 Vp |
| 2339 Ueghrrozue            | MO V           | A6A47BA-A C F1            | 913 Va A6A47BA-A C F1              | 913 Vk A6A47BA-A F1              | 913 Vp |
| 2340 Ghisaersae            | M4 V           | C758646-7 C Ag Ni         | 702 Va C758646-7 C Ag Ni           | 702 Vk C758646-7 Ag Ni           | 702 Vp |
| 2404 Gaengour              | M8 V           | B140301-E Lo Ni Po De     | 903 Va B140301-E Lo Ni Po De       | 903 Va X140000-0 Ba De Wi        | 003 Va |
| 2407 Ilughavo              | MO V           | B226226-D Lo Ni           | 604 Va B226226-D Lo Ni             | 804 Va X226000-0 Ba Wi           | 004 Va |
| 2408 Sagukhunngo           | M1 V M6 D      | B995654-7 C Ag Ni         | 301 Va B995654-7 C Ag Ni           | 301 Va C995526-5 Ag Ni Bl Wi     | 401 Va |
| 2412 Kfugvugzozoaeksaer    | M5 V M1 D      | A77A111-9 Lo Ni Wa        | 901 Vt A77A111-9 Lo Ni Wa          | 901 Vt X77A000-0 Ba Wa Wi        | 001 Va |
| 2414 Soungadano            | K7 V M6 D      | B671363-A G Lo Ni         | 520 Vt B671363-A G Lo Ni           | 520 Vt X671100-4 Lo Ni Wi        | 720 Va |
| 2418 Aekhreng              | K5 V           | B559676-B Ni              | 904 Va B559676-B Ni                | 904 Vt X559568-2 Ni Bl Wi        | 304 Va |
| 2419 Ngekoe                | Λ 65           | B276479-B Ni              | 710 Va B276479-B Ni                | 710 Vt X276300-5 Ni Wi           | 510 Va |

| Hex         System Name         St           242         Thoegzekkfak         M7           2424         Llueng         M1           2425         Okhtous         M7           2433         Aerrkhukhkaekouguengdoung         M0           2436         Triad         M8           2507         Uerkfadzigue         K6           2509         Agh Thars         M8           2513         Dzoekhsunoulloudzu         K8           2514         Foel         K2           2518         Unggvokhaengarsnonggue         A6           2522         Gvigzae         G1           2524         Vongouzdhursueng         M7           2524         Vongouzdhursueng         M7 | Stellar Data M7 V M4 D M1 V M4 D | UWP 1105 B  | Remakrs     |                    | 212         | PBG Al UWP 1200 B  | Remarks     | PBG A1 |
|---|----------------------------------|-------------|-------------|--------------------|-------------|--------------------|-------------|--------|
| Thoegzekkfak<br>Llueng<br>Okhtous<br>Aerrkhukhkaekouguengdoung<br>Triad<br>Uerkfadzigue<br>Agh Thars<br>Dzoekhsunoulloudzu<br>Foel<br>Tsorgoelae<br>Unggvokhaengarsnonggue  | V M4                             |             |             | PBG Al UWP 1120 B  | Nellarks    |                    |             |        |
| Llueng Okhtous Aerrkhukhkaekouguengdoung Triad Uerkfadzigue Agh Thars Dzoekhsunoulloudzu Foel Tsorgoelae Unggvokhaengarsnonggue Gyigzae Vongouzdhursueng  | M4                               | A483520-B   | iN          | 801 Vt A483520-B   | in          | 801 Vt A483520-B   | Ņ           | 901 Ve |
| Okhtous Aerrkhukhkaekouguengdoung Triad Uerkfadzigue Agh Thars Dzoekhsunoulloudzu Foel Tsorgoelae Unggvokhaengarsnonggue Gyigzae  |                                  | C511345-7   | Lo Ni Ic    | 601 Va C511345-7   | Lo Ni Ic    | 601 Vt C511445-7   | Lo Ni Ic    | 201 Ve |
| Aerrkhukhkaekouguengdoung Triad Uerkfadzigue Agh Thars Dzoekhsunoulloudzu Foel Tsorgoelae Unggvokhaengarsnonggue Gvigzae Vongouzdhursueng   | M7 VI                            | E355374-3   | Lo Ni       | 301 Va E355374-3   | Lo Ni       | 301 Vt E355374-4   | Lo Ni       | 601 Ve |
| Triad  Uerkfadzigue Agh Thars  Dzoekhsunoulloudzu Foel Tsorgoelae Unggvokhaengarsnonggue Gvigzae Vongouzdhursueng   | V M2 D                           | B639663-9 C | Νi          | 701 Va B639663-9 C | Ni          | 701 Va B639673-9 C | Ni          | 701 Va |
| Verkfadzigue<br>Agh Thars<br>Dzoekhsunoulloudzu<br>Foel<br>Tsorgoelae<br>Unggvokhaengarsnonggue<br>Gvigzae<br>Vongouzdhursueng  | ^                                | B587777-8 N | Ag Ri       | 320 Cs B587777-8 G | Ag Ri       | 320 Vk B587777-8   | Ag Ri       | 320 Va |
| Agh Thars Dzoekhsunoulloudzu Foel Tsorgoelae Unggvokhaengarsnonggue Gvigzae   | Δ                                | B282110-8   | Lo Ni       | 114 Va B582110-8   | Lo Ni       | 114 Va X582000-0   | Ba Wi       | 014 Va |
| Dzoekhsunoulloudzu<br>Foel<br>Tsorgoelae<br>Unggvokhaengarsnonggue<br>Gvigzae<br>Vongouzdhursueng   | III M5 D                         | B522278-7   | Lo Ni Po    | 322 Va B522278-7   | Lo Ni Po    | 322 Va X522000-0   | Ba Wi       | 022 Va |
| Foel<br>Tsorgoelae<br>Unggvokhaengarsnonggue<br>Gvigzae<br>Vongouzdhursueng   | $\triangleright$                 | C569512-7   | 'ni         | 220 Vt C569512-7   | Ŋİ          | 220 Vt D569453-7   | Lo Ni Wi    | 420 Va |
| Tsorgoelae<br>Unggvokhaengarsnonggue<br>Gvigzae<br>Vongouzdhursueng   | D W VI                           | A687210-B   | Lo Ni       | 901 Vt A687210-B   | Lo Ni       | 901 Vt X687145-6   | Lo Ni Wi    | 501 Va |
| Unggvokhaengarsnonggue<br>Gvigzae<br>Vongouzdhursueng   | V M0 D                           | B20069A-C   | Na Ni Va    | 610 Vt B20069A-C   | Na Ni Va    | 610 Vt X200000-0   | Ba Va Wi    | 010 Va |
| Gvigzae<br>Vongouzdhursueng   | V F7 V                           | B8B5521-8 G | Ni Fl       | 402 Vt B8B5521-8 G | Ni Fl       | 402 Vt X8B5000-0   | Ba Fl Wi    | 002 Va |
| Vongouzdhursueng  | V M7 D                           | B678431-9 G | iN          | 601 Vt B678431-9 G | iN          | 601 Vt B678431-9 G | Ņ           | 801 Ve |
|   | II                               | B8AA320-C   | Lo Ni Wa Fl | 623 Va B8AA320-C   | Lo Ni Wa Fl | 623 Vt B8AA320-C   | Lo Ni Wa Fl | 823 Ve |
| 2527 Thagh G4   | >                                | E6659A8-7   | Hi          | 433 Va E6659A8-7   | Hi          | 433 Vt E6659A8-8   | Hi          | 733 Ve |
| 2530 Adegokh  | IV M2 D                          | A4047BB-A   | Ic Va       | 101 Va A4047BB-A G | Ic Va       | 101 Vt A4047BB-A G | Ic Va       | 501 Ve |
| 2531 Ngoluts M4   | ^                                | B304738-9   | Ic Va       | 803 Va B304738-9   | Ic Va       | 803 Va B304738-9   | Ic Va       | 803 Va |
| 2536 Fae Kodh M9  | V M1 D                           | D445103-6   | Lo Ni Sv    | 101 Va D445103-6   | Lo Ni Sv    | 101 Vk D445313-7   | Lo Ni Sv    | 301 Va |
| 2537 Torrknungazarr G8  | V M0 D                           | A753002-C   | Lo Ni Po    | 903 Va A753002-C   | Lo Ni Po    | 903 Vk A753300-C   | Lo Ni Po    | 903 Vp |
| 2540 Ksunekso M9  | IV 9M                            | B525575-A   | iΝ          | 424 Va B525575-A   | Ni          | 424 Vk B525575-A   | iN          | 424 Vp |
| 2611 Knoerrgh M4  | V M4 D                           | E23099C-8 C | Hi Na Po De | 901 Va E23099C-8 C | Hi Na Po De | 901 Va X230000-0   | Ba De Wi    | 001 Va |
| 2613 Gzaer F5   | V M5 D                           | A10069B-E   | Na Ni Va    | 313 Vt A10069B-E   | Na Ni Va    | 313 Vt X100000-0   | Ba Va Wi    | 013 Va |
| 2617 Luthours G6  | >                                | B551633-8   | Ni Po       | 723 Vt B551633-8   | Ni Po       | 723 Vt C551559-7   | Ni Po Wi    | 123 Va |
| 2620 Knuerz G3  | IV M2 D                          | B749776-6   |             | 501 Vt B749776-6   |             | 501 Vt C749452-6   | Lo Ni Wi    | 801 Va |
| 2628 Rorroksueknea M3   | Q 6W A                           | B374500-8   | Ag Ni       | 801 Va B374500-8   | Ag Ni       | 801 Vt B374600-8   | Ag Ni       | 301 Ve |
| 2633 Ightursksoethaegenughz G9  | V M4 D                           | B300223-C   | Lo Ni Va    | 410 Va B300223-C   | Lo Ni Va    | 410 Va B300223-C   | Lo Ni Va    | 410 Va |
| 2634 Vakunggvoruego M3  | Δ                                | B333887-7   | Na Po       | 201 Vk B333887-7   | Na Po       | 201 Va B333887-7   | Na Po       | 201 Va |
| 2638 Gzaell K9  | V M7 D                           | E773541-5   | iΝ          | 910 Va E773541-5   | Ni          | 910 Vk E773541-5   | in          | 910 Vp |
| 2701 Lluezukgzang M9  | V M5 D                           | A432A99-F   | Hi Na Po    | 102 Vg A432A99-F   | Hi Na Po    | 102 Vo X432000-0   | Ba Wi       | 002 Va |
| 2702 Fukoezo K7   | VI                               | A626645-9   | Ni          | 114 Vg A626645-9   | Ni          | 114 Vo X626000-0   | Ni Ba       | 014 Va |
| 2703 Kaeg M1  | V M0 D                           | D323412-7 G | Ni Po       | 801 Vg D323412-7 G | Ni Po       | 801 Vo X323000-0   | Ba Wi       | 001 Va |
| 2704 Vakhoell K2  | V M2 D                           | A484479-D   | iN          | 103 Vg A484479-D   | ĽN          | 103 Vo X484467-5   | Ni Bl Wi    | 103 Va |
| 2715 Dhanrranoez M0   | V M4 D                           | B9A8375-8   | Lo Ni Fl    | 702 Vt B9A8375-8   | Lo Ni Fl    | 702 Vt X9A8000-0   | Ba Fl Wi    | 002 Va |
| 2717 Aerzdanthi G3  | >                                | D84A699-5   | Ni Wa       | 524 Vt D84A699-5   | Ni Wa       | 524 Vt E84A451-5   | Lo Ni Wa Wi | 224 Va |
| 2720 Radellogvate M6  | V M5 D                           | B7B8215-8   | Lo Ni Fl    | 601 Vt B7B8215-8   | Lo Ni Fl    | 601 Vt X7B8000-0   | Ba Fl Wi    | 001 Va |
| 2722 Logvokseghaghzvoerour M3   | Λ                                | C786320-6   | Lo Ni       | 322 Vt C786320-6   | Lo Ni       | 322 Vt E786220-4   | Lo Ni Wi    | 422 Va |
| 2723 Arrag G5   | $\triangleright$                 | B575777-9   | Ag          | 210 Vt B575777-9   | Ag          | 210 Vt E57556E-5   | Ag Wi       | 310 Va |
| 2725 Aetskaekhoun M6  | V M6 D                           | B988954-8   | Hi          | 301 Vt B988954-8   | Hi Cp       | 301 Vt C9889A7-5   | Hi Bl Wi    | 201 Va |

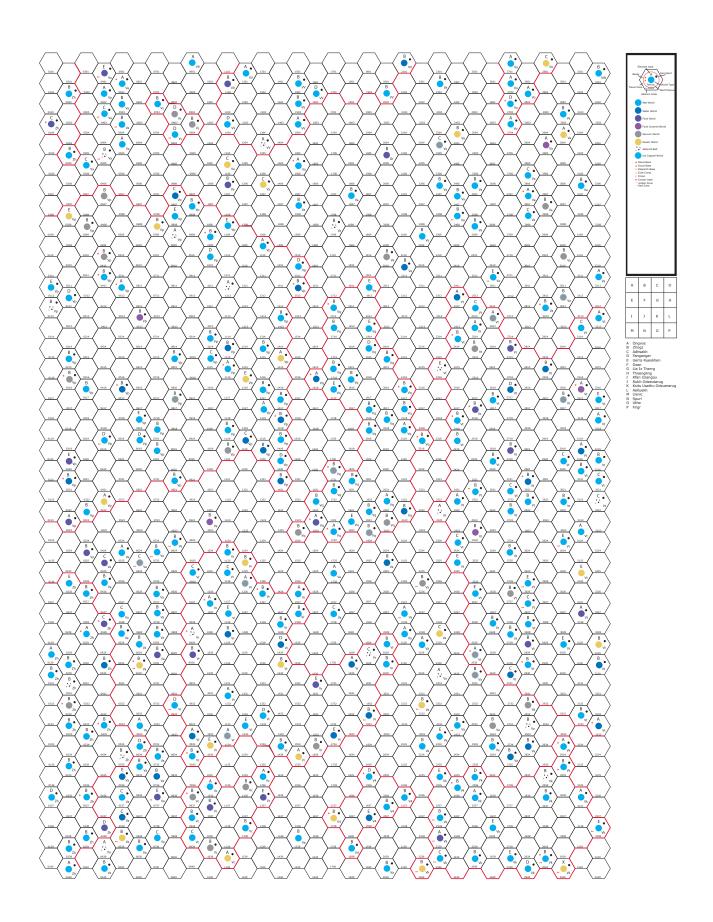
| Unified Gvurrdon UWP stats | P stats      |             |             |                    |             |                    |             |        |
|----------------------------|--------------|-------------|-------------|--------------------|-------------|--------------------|-------------|--------|
| Hex System Name            | Stellar Data | UWP 1105 B  | Remakrs     | PBG Al UWP 1120 B  | Remarks     | PBG Al UWP 1200 B  | Remarks     | PBG A1 |
| 2727 Zuekuzung             | V 69         | B200322-8   | Lo Ni Va    | 624 Va B200322-8   | Lo Ni Va    | 624 Vt B200422-8   | Lo Ni Va    | 124 Ve |
| 2729 Takhagvafoe           | K6 V M8 D    | B667585-7   | Ag Ni       | 101 Va B667585-7   | Ag Ni       | 101 Vt B667585-7   | Ag Ni       | 701 Ve |
| 2731 Thurruegrudhotue      | V 69         | C88a200-6   | Lo Ni Wa    | 313 Va C88A200-6   | Lo Ni Wa    | 313 Vt C88A200-6   | Lo Ni Wa    | 613 Ve |
| 2735 Asugunkhodz           | K3 V         | B97A365-A   | Lo Ni Wa    | 502 Vk B97A365-A   | Lo Ni Wa    | 502 Va B97A313-A   | Lo Ni Wa    | 502 Va |
| 2740 Roukhagzvaengoer      | F4 V         | E526899-7   |             | 813 Va E526899-7   |             | 813 Vk E526899-7   |             | 813 Vp |
| 2802 Gegerrrarrunu         | M9 V         | A421120-D   | Lo Ni Po    | 613 Vg A421120-D   | Lo Ni Po    | 613 Vo X421000-0   | Ba Wi       | 013 Va |
| 2806 Ukokhuvoen            | G6 V M4 D    | C637232-7   | Lo Ni       | 804 Vu C637232-7   | Lo Ni       | 804 Va X637000-0   | Ba Wi       | 004 Va |
| 2807 Kaekfesa              | M1 V M5 D    | A997554-A G | Ag Ni Cx    | 301 Vu A997554-A G | Ag Ni       | 301 Va B99746A-7   | Ni Wi       | 701 Va |
| 2808 Dorrorue              | M6 V         | C659631-4   | Ni          | 202 Vu C659631-4   | Ni          | 202 Va D659432-4   | Ni Bl Wi    | 502 Va |
| 2821 Ghaertu               | F3 V M1 D    | B73A9DD-A G | Hi Wa       | 421 Vt B73A9DD-A G | Hi Wa       | 421 Vt X73A000-0   | Ba Wa       | 021 Va |
| 2822 Etsgokhuenaellilkuer  | F6 V M1 D    | B756875-9   |             | 113 Vt B756875-9   |             | 113 Vt X756668-5   | Ag Ni Bl Wi | 313 Va |
| 2826 Vou                   | KO V M1 D    | E644247-5 C | Lo Ni       | 801 Va E644247-5 C | Lo Ni       | 801 Vt X644000-0 C | Ba Wi       | 001 Va |
| 2827 Oukgzueredh           | M8 V G4 V    | C35499B-A   | Hi          | 701 Va C35499B-A C | Hi          | 701 Vt C35499B-A G | ; Hi        | 901 Ve |
| 2828 Gnurs                 | K1 VI M8 D   | B628454-D   | iN          | 402 Na B628454-D   | Ŋij         | 402 Vt B628554-D   | in          | 202 Ve |
| 2829 Ourkan                | Al III G3 V  | B9D8454-D   | Ni Fl       | 823 Va B9D8454-D   | Ni Fl       | 823 Vt B9D8554-D   | Ni Fl       | 423 Ve |
| 2830 Taekfoengsegzo        | M8 V         | B445000-8   | Lo Ba Ni    | 303 Va B445000-8 G | Lo Ba Ni    | 303 Vt B445625-A G | , Ag Ni     | 103 Ve |
| 2832 Oegaeldu              | G2 V M9 D    | B200443-A   | Ni Va       | 602 Vk B200443-A   | Ni Va       | 602 Va B200443-A   | Ni Va       | 602 Va |
| 2833 Kedzudh               | M8 V         | B000525-D   | Ni As       | 822 Vk B000525-D   | Ni As       | 822 Va B000525-D   | Ni As       | 822 Va |
| 2834 Gzoghz                | MO V         | B74A421-C   | Ni Wa       | 503 Vk B74A421-C   | Ni Wa       | 503 Va B74A421-C   | Ni Wa       | 503 Va |
| 2840 Rruthaekuksu          | K7 III MS D  | D231210-6   | Lo Ni Po    | 823 Va D231210-6   | Lo Ni Po    | 823 Vk D231210-6   | Lo Ni Po    | 823 Vp |
| 2901 Okhgvonan             | G0 V         | C310377-A   | Lo Ni       | 523 Vg C310377-A   | Lo Ni       | 523 Vo X310000-0   | Ba Wi       | 023 Va |
| 2905 Ngersouluekorruk      | M6 V         | A8AA432-C   | Ni Fl Wa    | 822 Va A8AA432-C   | Ni Fl Wa    | 822 Va A8AA432-C   | Ni Fl Wa    | 822 Va |
| 2908 Kutsgarrae            | M8 V         | B200304-9   | Lo Ni Va    | 734 Vu B200304-9   | Lo Ni Va    | 734 Va X200000-0   | Ba Va Wi    | 034 Va |
| 2913 Kfuevavae             | M2 V         | B636657-8 G | Ni          | 604 Vt B636657-8 G | ĽN          | 604 Va X636000-0   | Ba Wi       | 004 Va |
| 2916 Olgan                 | M4 V         | B88A302-9   | Lo Ni Wa    | 401 Vt B88A302-9   | Lo Ni Wa    | 401 Vt X88A000-5   | Ba Lo Wa Wi | 401 Va |
| 2936 Afougae               | M1 III       | B000598-E   | Ni As       | 123 Vk B000598-E   | Ni As       | 123 Vk B000598-E   | Ni As       | 123 Vp |
| 2937 Scangen               | K4 II        | B88557A-C   | Ni As       | 224 Va B88557A-C   | Ni As       | 224 Vk B88557A-C   | Ni As       | 224 Vp |
| 2940 Galla                 | MO V         | B686275-8   | Lo Ni       | 502 Va B686275-8 H | Lo Ni       | 502 Vk B686275-8 H | I Lo Ni     | 502 Vp |
| 3003 Fuedhgusnaezrerzgzang | KO V         | B361773-5   | Ri          | 211 Va B361773-5   | Ri          | 211 Va C361430-5   | Wi          | 311 Va |
| 3004 Utsurr                | V 6M         | A250300-E   | Lo Ni Po De | 221 Va A250300-E   | Lo Ni Po De | 221 Va X250000-0   | Ba De Wi    | 021 Va |
| 3010 Khoekhoerr            | G2 V M9 D    | B200443-A   | Ni Va       | 602 Vt B200443-A C | Ni Va       | 602 Va X200000-0   | Ba Wi       | 002 Va |
| 3012 Uefokung              | K0 V         | B403313-A   | Lo Ni Ic Va | 220 Vt B403313-A   | Lo Ni Ic Va | 220 Va X403000-0   | Ba Ic Va Wi | 020 Va |
| 3017 Ounce Eglloeghz       | A6 V         | B402312-C   | Lo Ni Ic Va | 423 Vt B402313-C   | Lo Ni Ic Va | 723 Vt B403000-0   | Ba Ic Va Wi | 023 Va |
| 3020 Koesolaedze           | MO V M7 D    | C585210-8   | Lo Ni       | 102 Vt C585210-8   | Lo Ni       | 102 Vt X585000-0   | Ba Wi       | 002 Va |
| 3022 Gaegzue               | M7 V M4 D    | B574540-B   | Ag Ni       | 701 Vt B574540-B   | Ag Ni       | 701 Vt D574340-5   | iw in       | 101 Va |
| 3024 Ngulivuedakhsnaru     | K1 V         | E748778-5 C | Ag          | 523 Va E748778-5 C | Ag          | 523 Vt X748468-3   | Ag Bl Wi    | 823 Va |
| 3029 Ungrughz              | F8 V         | E554389-6   | Lo Ni       | 414 Va E554389-6   | Lo Ni       | 414 Vt X554100-2   | Lo Wi       | 414 Va |
|                            |              |             |             |                    |             |                    |             |        |

| Unified Gvurrdon UWP stats | P stats      |                         |                                |                              |        |
|----------------------------|--------------|-------------------------|--------------------------------|------------------------------|--------|
| Hex System Name            | Stellar Data | UWP 1105 B Remakrs      | PBG Al UWP 1120 B Remarks      | PBG Al UWP 1200 B Remarks    | PBG A1 |
| 3034 Ughz                  | M4 V         | A424451-G G Ni Cx       | 302 Vk A424451-G G Ni Cx       | 302 Vk A424451-G G Ni Cx     | 302 Vp |
| 3035 Ganokoulovaenu        | M5 V         | B352231-8 C Lo Ni Po    | 801 Vk B352231-8 C Lo Ni Po    | 801 Vk B352231-8 C Lo Ni Po  | 801 Vp |
| 3040 Llaekag               | M1 V         | X520100-4 C Po De       | 423 Va X520100-4 C Po De       | 523 Vk X520100-4 C Po De     | 523 Vp |
| 3107 Ozago                 | MO V M4 D    | B331731-8 Na Po Si      | 501 Vu B331731-8 Na Po Si      | 501 Va C331731-7 Na Po Si    | 501 Va |
| 3114 Zaersougvivu          | K3 V M9 VI   | C423303-7 Lo Ni Po      | 120 Vt C423303-7 Lo Ni Po      | 120 Vt X423000-0 Ba Wi       | 020 Va |
| 3117 Thoengling            | K5 V         | A9AA6BA-B G Ni Fl Wa Cx | 902 Vt A9AA6BA-B G Ni F1 Wa Cx | 902 Vt X9AA000-0 Ba Fl Wa Wi | 002 Va |
| 3120 Surrghkoeg            | M1 V M0 VI   | A97A6AF-B Ni Wa         | 901 Vt A97A6AF-B Ni Wa         | 901 Vt X97A56C-3 Ni Wa Bl Wi | 101 Va |
| 3121 Daggueghaezghogu      | M6 V M7 D    | B495222-8 Lo Ni         | 304 Vt B495222-8 Lo Ni         | 304 Vt X495000-0 Ba Wi       | 004 Va |
| 3124 Llukaegh Voerz        | M4 V M4 VI   | A527331-A Lo Ni         | 410 Vt A527331-A Lo Ni         | 410 Vt X527000-0 Ba Wi       | 010 Va |
| 3126 Goghrra               | M7 V         | E7B0579-8 C Ni De       | 120 Va E7B0579-8 C Ni De       | 120 Vt X7B0000-0 C Ba De Wi  | 020 Va |
| 3128 Otse                  | M2 V         | A8A78CA-A F1            | 623 Va A8A78CA-A F1            | 623 Vt X8A7000-0 Ba Fl Wi    | 023 Va |
| 3133 Oziz                  | GO V M8 D    | B677433-B Ni            | 924 Va B677433-B Ni            | 924 Vt B677433-B Ni          | 924 Vp |
| 3137 Torrirerz             | M5 III M6 D  | A463951-C Hi            | 521 Va A463951-C Hi            | 521 Vk A463951-C Hi          | 521 Vp |
| 3201 Dhurrgthaedz          | M3 V         | B26269B-A Ni Ri         | 133 Va B26269B-A Ni Ri         | 133 VW C262310-8 Ni Wi       | 933 Va |
| 3211 Outhzaekaefakhsueghz  | МО D         | A896314-A Lo Ni         | 703 Vt A896314-A Lo Ni         | 703 Va X896333-5 Lo Ni Bl Wi | 703 Va |
| 3213 Eksfarrarr            | F8 V M8 D    | A671777-7               | 822 Vt A671777-7               | 822 Vt X671553-4 Ni Bl Wi    | 322 Va |
| 3217 Tuelehollar           | M1 V         | A252554-9 Ni Po         | 211 Vt A252554-9 Ni Po         | 211 Vt X252343-3 Ni Po Lo Wi | 711 Va |
| 3218 Ikkhadzkfaghukh       | M3 V M6 D    | A6858CB-7               | 801 Vt A6858CB-7               | 801 Vt B685765-5 Ag Bl Wi    | 401 Va |
| 3220 Rroungkhi             | M4 V         | B736543-C Ni            | 203 Vt B736543-C Ni            | 203 Vt X736000-0 Ba Wi       | 003 Va |
| 3221 Dzaekh                | K9 V         | C547464-5 Ni            | 303 Vt C547464-5 Ni            | 303 Vt X547134-5 Lo Wi       | 403 Va |
| 3222 Fanzuekh              | M5 V M4 D    | C000259-D Lo Ni As      | 211 Vt C000259-D Lo Ni As      | 211 Vt X000000-0 Ba As Wi    | 011 Va |
| 3229 Thekrakfor            | M7 VI M8 D   | B250133-9 Lo Ni Po De   | 601 Va B250133-9 Lo Ni Po De   | 601 Vt B250000-0 Ba De Wi    | 001 Va |
| 3230 Aekokfeg              | M4 V         | B69A200-B Lo Ni Wa      | 702 Va B69A200-B G Lo Ni Wa    | 702 Vt D69A100-5 Lo Ni Wa Wi | 702 Va |
| 3233 Gvutson               | Q6 V         | A85A7CE-8 Wa            | 520 Cs A85A7CE-8 Wa            | 520 Vt A85A7CE-8 Wa          | 520 Vp |
| 3238 Oertsous              | M4 V M4 D    | E253A9E-A C Hi Po       | 602 Va E253A9E-A C Hi Po       | 602 Vk E253A9E-A C Hi Po     | 602 Vp |

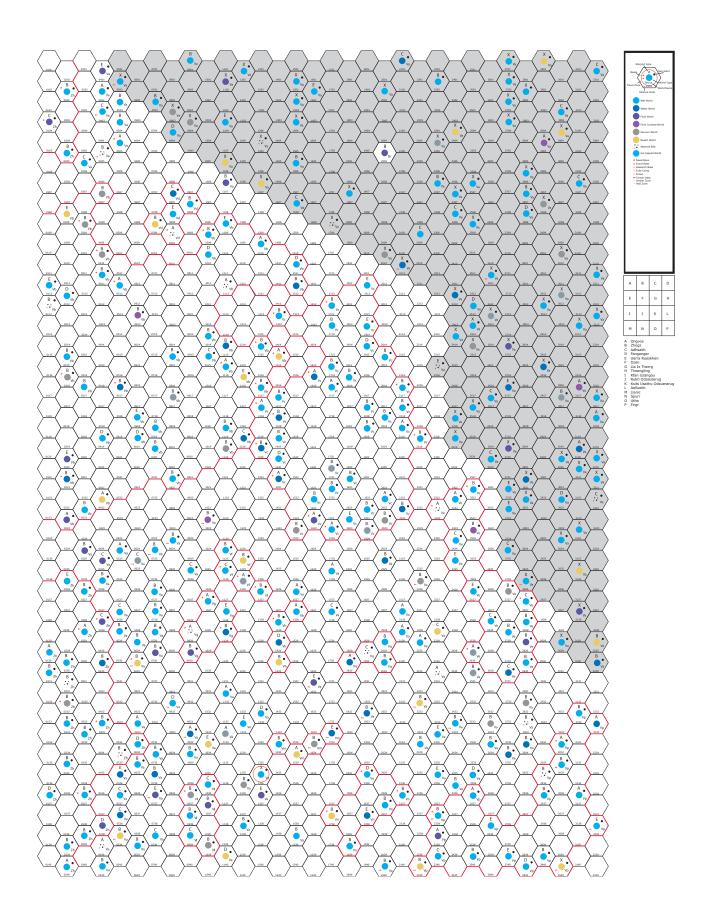
## Gvurrdon sector ca 1105



## Gvurrdon sector ca 1120



# Gvurrdon sector ca 1200



# Part IV Vargr Character Generation

# **Building the Perfect Dog**

I first published this article in Kfan Uzangou #4, a fanzine I ran early 1990. After that it was revised and published as an HIWG document in January 1994. Now it is back in this write up. It has also been slightly revised. I hope it stands the test of time.

As the Traveller: The New Era (TNE) do not include Vargr character generation I will present some rules here that I think will be of use.

#### THE STATS

Vargr got the same stats as humans, with one exception. Vargr do not have Social status, but their Charisma rating is the measure to find where they stand in the Vargr society. A Vargr with high Charisma will attract other Vargr for followers. So put a '-' in the Soc box on the character sheet. The stats are rolled as following. STR 2D2-2, AGL 2D6, CON 2D-2, INT 2D6-1, EDU 2D-1, CHA 1D6.

If the total stats are less than 33, the player can add the difference to the character stats, with these exceptions: CHA cannot be increased to more than 3. Any other stat cannot be increased beyond 11. The 33 limit is lower than the limit in the rulebook of 36. The reason for this is that the Vargr is generally weaker than an average human.

When calculating the weight of a Vargr use the same formula as for humans, but the base weight is 70Kg. Making generally Vargr smaller than Humans. The base weight is the same for males as for females. For hand combat damage factor is the same as for humans, but add 1D6 damage each time the Vargr elects to use his or hers claws. For using the claws the skill is as for unarmed combat, Unarmed Melee skill which all Vargr characters start with

at level 0, Leadership is also a skill they start with at 0.

#### **SELECTING CAREERS**

The Vargr can use all the careers in the book except for "Hiver Technical Academy". There are some consideration to Vargr when they are generated.

Firstly their Charisma rating is a measurement of how successful a given Vargr is. The Charisma rating may go up and down during generation. For CHA beyond A the cost is doubled. Thus it cost is 2 points from A to B. But loss of one point in CHA brings you automatically from B to A. In some careers there is possible to make a big enough mistake that you are thrown out. This is true to all military careers. This does not however stop the character generation, the character just has to enter a new career, but not a military one, if he or she makes the continuity roll. Even if you are thrown out from a career, you always finish the term before you enter a new one.

CHA is increased/decreased like this:

- +1 If promotion is made.
- +1 if 12+ is rolled. Cumulative with above modifier. And promoted an additional rank.
- -1 if the promotion roll is missed by 4 or more

 -2 and demoted if the roll is natural 2 regardles of DM's. Not cumulative with above modifier. Holds true for both special duty and promotion rolls

If a natural 2 is rolled twice in a given military career the character is thrown out at the end of the term.

If your character is from Society of Equals in Gvurrdon, he or she must make a special roll to be rated equal. This is essential to enter the following

careers: Any military officer, Diplomat, Lawenforces or Aristocrat.

Difficult, Willpower

This task is rolled before the character generation is started. If the roll is a catastrophic failure roll 1D6 and divide the result on the STR, AGL and

CON stat. Reduce the stats accordingly. This is damage taken from the test.

Example: A player rolls 4 on the die, when he has failed. Thus the stats has to be reduced with one each. For the remaining point the player may choose which stat to reduce.

#### **CAREERS:**

\*\*Oruelaen\*\*

Psionic forces of Thirz Empire in Gvurrdon. Thirz empire has a special force of psionic agents. They are not secret agents as portraied in movies, but rather a information gathering group for the King in Thirz Empire. Not much are actually known about them publicly, so a lot of myths has been spun around them. All sophonts that are citizens of Thirz Empire may apply. They will be tested for potentiality before they are admitted. For ranks use Army table in the rulebook. All who are admitted start with rank E5 Sergeant.

Rank O10 General is not available for playing characters when King Thir holds this position. As the force is small and there is only possible to get promoted when a operative dies or quits, the agents start at Enlisted rank, no matter what kind of academies or careers they have attended before. Those who are admitted get a Cha+1

PREREQUESITES: PSI strength of 8+, and at least one of these abilities: telepathy, Teleperception or any useful arcana. Citizen of Thirz Empire.

#### FIRST TERM:

COMMISSION: 10+, +1 if CHA 6+

SKILLS: Psionics-2, Determination-2, Gun Combat-1, Perception-1

#### SUBSEQUENT TERMS:

COMMISSION: 8+, +1 If CHA 6+. The character becomes an Officer. Rank O1.

#### SKILLS:

ELISTED: Psionics, Determination, Unarmed Melee, Gun Combat, Perception

OFFICERS: Psionics, Determination, Space vessel, Gun combat, Unarmed Melee, Perception

## ALL TERMS:

SPECIAL DUTY: Spacehand, Crime, Social Science, Vehicle, Tactics, Interaction.

PROMOTION: 8+, +1 If CHA 6+, +1 if INT 8+

CONTACTS: Military, Government (Officers only), Intelligence, Academic. Roll 10+ on 2D6 for the contact to be from outside the Thirz Empire.

OTHER EFFECTS: +1 per term as officer for scout/courier ship. Money

is calculated from CHA stat not Intelligence. Use Advanced stellar as base when calculating money. Initiative is rolled 1D6

#### \*\*Aristocrat\*\*

As an aristocrat you know how the interstellar governments in the extents is working. And if you are lucky and use your skills properly, you might be able to carve out a place for your own.

PREREQUESITES: CHA 8+ or Population of 6 or more. Must not have been thrown out of a military career.

#### FIRST TERM:

SKILLS: Charm-2, Interaction-3, Social Science-2, CHA+1

#### SUBSEQUENT TERMS:

SKILLS: Charm, Interaction, Fine Arts, Determination, Economics, May trade in skill levels for CHA increase.

#### ALL TERMS:

SPC ADVENTURE: 7+. Spacevessel, Perception, Unarmed Martial Arts, Vice, Crime. Note, if this roll is failed by 2 or more the Cha is reduced with one

CONTACTS: Government, Military, Intelligence

OTHER EFFECTS: +1DM per term for yacht. Whenever the CHA stat is reduced below 8 the character may not continue this career. Note that CHA may not get above 15 or F.

\*\*Fair Witness\*\*

This career are only open to citizens of Thoengling Empire in Gvurrdon Sector. A Fair Witness (FW) is a profession where a Vargr, or some other sophont has gone through a training, giving total recall. FW is pledged to report whatever it observed when on duty. Most FW is working free-lance, but need a permit to do so. There is almost impossible to bribe a FW to tell something else. that the FW did observe. The reason for this is that the job itself gives quite good economical freedom, and Charismatic standing among the Vargr. A FW will never offer an opinion, nor a theory when on duty. Or speak his or her meaning when recalling something they observed while on duty. Thus if asked why a person acted has he did, the FW cannot answer this, but only tell what the person did. The FW will recall what he saw, heard, smelled, felt and so on. A FW may be hired by anyone, but as they get better, their fee increase accordingly. FW are often used when deals are been made, or when there is need for a independent witness in a certain process.

When an obervation is going to be made, let the PC roll an imprint task, using observation as asset. Base difficulty should be difficult, adjusted depending on the situation. When the given situation is to be recalled later, a new task is rolled. The difficulty on this task depends on the success level on the prior task.

Asset: Observation

Imprint Success Level Recall Difficulty

Outstanding Success Routine

Success Difficult

Failure Formidable

Outstanding Failure Impossible

More than 1 year ago +1 level of difficulty

Recall Success Level How much was recalled?

Outstanding Success 100%

Success 75%

Failure 50%

Outstanding Failure 0%

For more information on Fair Witness, read "Stranger in a strange land" by Robert A. Heinlein, a must read for a SF fan.

PREREQUESITES: INT 9+, Citizen of Thoengling Empire, No criminal career prior to this.

FIRSTTERM: CHA+1, INT+1, EDU+1, Observation-2, Interaction-2, Willpower-1, Vice-1

## SUBSEQUENT TERMS:

SKILLS: Social Science, Perception, Interaction, Charm, Fine Arts, Skill levels may be traded for CHA

ALL TERMS:

SPC ADVENTURE: 9+, Cha+1, Crime, Determination, Gun Combat, Vice, Economics, Physical Science, Melee

CONTACTS: One contact per term from either: Government, Legal, Business

OTHER EFFECTS: Roll 1D6/2 for initiative. Calculate money from either CHA or Observation asset, wich-ever is the highest.

# VARGR VERSUS OTHER SOPHONT INTERACTION

First time a non Vargr character is interacting with Vargr NPC's or other Vargr characters, divide that characters CHA with 2, and drop fractions. The result may not be below 1. Note however that this will reduce all assets EXCEPT language skills. For the character to increase his or hers CHA to normal level follow the general CHA increase and decrease rules below. The opposit is also true when a Vargr are going to interact with humans for the

first time. Note that both of these cases relates to Humans in a Vargr dominated society, or Vargr in a Human dominated society.

# CHARISMA INCREASES AND DECREASES

When a session is over there should be checked if the leader of the group,

the character with the highest CHA, will increase his charisma. The difficulty level is up to the referee. But I will give a few pointers.

Asset: Leadership.

The session was an outstanding success Average

The group met its goals in the session Difficult

The group barely made the goals Formidable

The group made only a few of its goals Impossible

If any of these tasks are a catastrophic failure the leader loose 1 point of Charisma. If the leader has CHA of A or more increase the difficulty with one level.

The difficulty levels should be modified with how difficult the adventure was. If the adventure was an total failure, the

character must roll a formidable task to prevent Charisma decrease. If that roll is a catastrophic failure, the leader loose 2 points of Charisma.

The leader may also by commendate or reprimand the others in the group, and thus increase or decrease the CHA of these characters. The leader may only commendate a character if he himself got a CHA increase, but he may reprimand a character whenever he wish. But reprimand a character without reason will have counterproductive results, and the referee should penalize this.

One good roleplaying tip is that the referee places the players in clockwise fashion, with the highest CHA rated character to the left of him. Whenever there is an important decission to be made, ask the leader first. Ignore the others for a while. If the leader is hesitating, this can mean a loss in Charisma specialy if other players start to come with solutions. This is to simulate that the other Vargr always look to their leader. If the leader fails the others may take command. The referee should be a bit careful with this approach though. The player may not be good at roleplaying in this fashion, so the referee should give him more time than a player that got good abilities at this type of roleplaying.

Whenever 2 players got equal or a difference of one level in Charisma a Charismatic struggle erupts. The leader must then roll a difficult leadership roll to stay in position. If the roll fails, the two players change position.

If a catastrophic failure is rolled, the leader loose 2 CHA points.

The referee may also increase or decrease the CHA of characters during play, to give them a feel of how successful they are. However this should be used sparingly. If a player shows some initiative, and do something daring and succeeds he should be awarded. In doubt let him roll a difficult task.

Equally he should loose Charisma if he does something and fails, especially if he endangers the mission and the adventure group.

Other uses of Charisma is that a high Charisma Vargr will always reduce the Initiative to the opposition by one to a minimum of one, if they are of lower Charisma. If the Charisma to the lead-

ers of the two groups are equal, let the player roll a difficult leadership to gain the upper hand. If this fails the opponent get the upper hand. When calculating loss of initiative to combat damage use the original initiative.

Remember these rules is only valid in a Vargr society. A human will have a hard time to prove herself, but when she gets the wheels turning, there might not be anything stopping her. Note that If the non Vargr character increases

her Charisma above her original level it is returned to normal when interacting with other non vargr characters or NPCs.

#### **BRIBING VARGR**

This may sound easy, but many has fallen into the trap, believing the Vargr nature is working for them. What they do forget is that do not oppose to the Charisma of the clerk in front of them, but the Charisma of his superior officer or leader.

An example is maybe in order. Lets say an Vargr journalist is working on a special report, and need graded information from the police. Offering money for bribery is pointless. As for most human societies social status is measured by the wealth you got. This is not the case with Vargr. To a Vargr you have to offer increase in Charisma. Money is something that comes along.

Money is not as important for a Vargr as for most human cultures. Money is a tool nothing more nothing less. However money should be offered in the bribe, but the amount never is large. Its just a small contribute for the service rendered. So the journalist must actually make up a case were he can prove that the police officer will increase in Charisma if the journalist is successful in his investigation. Remember that Vargr are pack animals opposed to humans which are more invidiualistic. A Vargr will always view a certain action in the light of what the group will gain by that given action. Each individual Vargr always try to improve their status within a group. This sound contradictory, but viewed from the human point it is, but for the Vargr it makes sense. If the indiviual Vargr feels that he or she will gain Charisma to belong to that group it will be loyal to it, and do whatever is in her power to increase the group Charisma. Going back to this journalist, he must convince the police officer that the whole department will gain by giving the information he needs. In most cases a person trying to bribe a Vargr only have to go up against the closest leader to the Vargr trying to be bribed.

The difficulty in such a bribery attempt are rarely easier than Difficult. If the group leader of the opposition are of lower Charisma it might be easier.

The difficulty level should also be adjusted to how the bribing player is arguing, and how he or she present the deal.

There is also possible to buy information on the street by Vargr. In these cases money have more to say, when this kind of information is bought from Vargr that never are attached to a group over long period of time, and thus do not have the neccessary group loyalty, except for its own day to day survival.

# Part V Sample Starships of Gvurrdon

# Ungrest SLD ship

#### General Data:

Displacement: 200 000 Length: 524m Price: 18,267.392Mcr Configuration: Needle/SL Mass (L/E): 895996/629090 Hull Armor: 52 Volume: 2,800,000KI Target Size: Very Large Tech Level: 11

Engineering data:

Power Plant: Fusion 4,000MW, Duration 64 years,
Fuel = 38,400KI

Maneuver Drive Type:
Fusion Rocket, Thrust = 900,000ton
Reaction Mass = 652,050KI

G-ration: 1

Reaction Mass = 652,050Ki G-rating: 1 G-turns: 4140turns, 157.5kl fuel turn Maint: 44,347

Electronics:

computer: 3 std fib computers

commo:

20 Laser com 1000AU, 0.3MW

1 radio 1000AU, 20MW

1 Radio 300'Km, 10MW

Avionics: TL 10+ Avionics

Avionics: It 10+ Avionics Sensors: 2 AEMS 480'Km, 100MW 2 PEMS folding 240'Km, 0.4MW 4 PEMS fixed 180'Km, 1 Densitometers, 2.5MW

Controls:

Automation = High Bridge workstations = 40 Workstations = 3

#### Armament:

Sandcasters

**Offensive:** 100 x 1811Mj Laser Barbettes, 11.84MW

50 Sandcaster Turrets, PV 1D10x5, 24 cannisters, 1MW, crew 1ea.

Master Fire Directors: 10 beams directors, 300'Km, 0.22MW, DiffMod = 3

Accommodations:
Life Support: Extended LS 421,93MW,
Quarters are held in spun hamster cages to give gravity. The assembly consumes 1564MW

Crew: 550 (Engineer 9, Electronic 11, Gunnery 60, Maneuver 8, Maintenance 106, Troops 30, Flight 105, Command 52, Stewards 115, Medical 54)

Accommodations:

Crew/family members: 2750 staterooms Passengers: 10,000 Lowberths

Passengers: 10,000 Lowbertns
Emergency Low Berts: 20

Supplies:
Galley = 825Kl (20 weeks of supplies for all wake occupants)
Generation Lifesupport (plants and live animals)

Cargo: 200,000Kl

Small Craft & Launch facilites:

20 Gun boats in spaceous hangar 5 shuttles in spaceous hangar

Other Facilities:
Electronic shops, Machine shops, 2 Sick bays, Laboratory
Airlocks: 110 (10 with umbilical cord)

5xArea 10/11 Arc: 1-5

This is an early model of the Ungrest SLD ships and the most common. It has been updated with TL 15 laser barbettes, other than that it is based on a standard TL 11 hull and equipment. However other varieties exists. The ships sees upgrades each time they return to the Ungrest homeworld. Which is about every 120 years or so.

The crew are a special breed. Most of them have never lived on a planet,

but they are born and raised on a ship, turning them into generation ships/shuttles.

The fighters carried onboard are deployed soon as the ship enters their destination system. As the Ungrest ships carry technological equipment and important colonists, the ship needs protection against pirates as it either accelerates or deccelerates.

| Weapon                | DM | Short       | Medium     | Long      | Extreme   | Arcs   |
|-----------------------|----|-------------|------------|-----------|-----------|--|
| 1811Mj Laser Barbette | 0  | 10:1/34-106 | 20:1/17-53 | 40:1/9-27 | 80:1/4-13 | 20xArea 2/3/4/5 Arc: 1-4<br>10xArea 10/11 Arc: 1-5 |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -4  | -4   | -4    | -4   | 5       | -4      |
| EMM       | _   | _    | _     | _    |         |         |

| Area  | Surface           | Interior  |
|-------|-------------------|---|
| 1     | 1-10: Ant, 11: AL | 1-2: Electronics, 3: Bridge, 4-20: Quarters                             |
| 2-3   | 1-5: Ant, 6: AL   | 1: SC (10), 2: LB (20), 3-20: Quarters                                  |
| 4-5   | 1: AL, 2: CH      | 1: SC (10), 2: LB (20), 3-7: Quarters, 8-20: Cargo                      |
| 6-9   | 1: AL             | 1-20: Quarters  |
| 10    | 1: AL, 2: LP      | 1: SC (5), 2: LB (10), 3-12: Quarters, 13-20: Hangar                    |
| 11    | 1: AL             | 1: SC (5), 2: LB (10), 3-20: Quarters                                   |
| 12-14 | 1: AL             | 1-20: Quarters  |
| 15    | 1: AL             | 1-7: Quarters, 8-20: Fuel   |
| 16-19 |                   | 1-20: Fuel  |
| 20    | 1: AL             | 1: Powerplant, 2-15: Maneuver Drive, 16: Engineer Controls, 17-20: Fuel |

| Electro | nics Sub Hit Table |
|---------|--------------------|
| D20     | System             |
| 1-2     | AEMS               |
| 2       | Computers          |
| 3       | Laser Comm         |
| 4       | Radio              |
| 5       | Densitometer       |
| 6       | PEMS               |
| 7-20    | MFD                |
|         |                    |

| Quarte | r Sub Hit Table  |
|--------|------------------|
| D20    | System           |
| 1-2    | Staterooms       |
| 3      | Life Support     |
| 4      | Em. Life Support |
| 5      | Sick Bay         |
| 6      | Em. LB           |
| 7      | Low Berth        |
| 8      | Armory           |
| 9-20   | Galley           |

|      | na Sub Hit Table |
|------|------------------|
| D20  | System           |
| 1    | Radio            |
| 2    | Laser Comm       |
| 3    | Densitometer     |
| 4    | AEMS             |
| 5-20 | PEMS             |

Powerplant - 80H Maneuver - 999H Life Support - 717H ELS - 359H Hamster cage - 32H Hangar - 714H Laser Comm - 1h Radio Comm - 1h Stateroom - 1H Low berth - 1h ELB - 1h Med bay - 1H Elec Shop - 1H Lab - 1H

Machine Shop - 2H Robot Bay 1H AEMS Ir - 1H PEMS Ir - 2h - Antenna - 50H PEMS sr - 1h - Antenna - 3H Densitometer - 2h Laser Barbette - 2H SandCaster - 1H Gardens - 3438H MFD - 1H All others - 1h Machine Shop - 2H

# Ungrest Advanced SLD ship

General Data:

Displacement: 200 000 Length: 524m Price: 7,319.233Mcr Configuration: Needle/SL Mass (L/E): 947382/525700

Hull Armor: 52 Volume: 2,800,000KI Target Size: Very Large Tech Level: 16

Enginearing data:
Power Plant: Fusion 11,000MW, Duration 64 years,
Fuel = 70,400Kl
Maneuver Drive Type:
Fusion Rocket, Thrust = 935,000ton
Reaction Mass = 719,950Kl
G-rating: 1
G-turns: 4140turns, 166.25kl fuel turn
Maint: 29,424

Electronics:

computer: 3 std fib computers

commo:

20 Laser com 1000AU, 0.3MW

1 radio 1000AU, 20MW

1 Radio 300'Km, 10MW

Avionics: TL 10+ Avionics

Avionics: It 10+ Avionics Sensors: 2 AEMS 480'Km, 100MW 2 PEMS folding 240'Km, 0.4MW 4 PEMS fixed 180'Km, 1 Densitometers, 2.5MW

Controls:

Automation = High Bridge workstations = 40 Workstations = 3

#### Armament:

Offensive: None Defensive: None Master Fire Directors: None

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -4  | -4   | -4    | -4   | 5       | -4      |
| EMM       | -   | -    | -     | -    |         |         |

Accommodations:
Life Support: Extended LS 401,93MW, G Comp 10048MW
Crew: 276 (Engineer 3, Electronic 4, Maneuver 8, Maintenance 30,
Troops 30, Flight 105, Command 28, Stewards 40, Medical 52 [where 26 are robotic])
Accommodations:
Crew/family members: 2402 staterooms
Passengers: 10,000 Lowberths
Emergency Low Berts: 20
Robotic Storrage for 20 robots
Supplies:

RODOTIC Storrage for 20 robots

Supplies:
Galley = 713Kl (20 weeks of supplies for all wake occupants)
Generation Lifesupport (plants and live animals)

Cargo: 350,000Kl

Small Craft & Launch facilites:
20 Gun boats in spaceous hangar

5 shuttles in spaceous hangar

Other Facilites:

Electronic shop, Lab, Machine shop, 2 Sick bays, Robotic Bay Airlocks: 100

S:

This SLD ship is the latest in the line of SALD ships utilized by the Ungrest. As the race is for some reason incapable to survive a jump, they have to rely on SLD ships to keep in touch with its colony. Most Ships are based on a TL 11 hull, however this one has seen the full upgrade ground up.

Weapons was dropped on this model as it got plenty of escorts on board and there hasn't been an attack on these ships in more than a hundred years. The crew are a special breed. Most of them have never lived on a planet, but they are born and sized on a chill, turning them into generation.

Ine crew are a special preed. Most of them have never lived on a planet, but they are born and raised on a ship, turning them into generation ships/shuttles.

The fighters carried onboard are deployed soon as the ship enters their destination system. As the Ungrest ships carry technological equipment and important colonists, the ship needs protection against pirates as it either accelerates or deccelerates.

| Area  | Surface        | Interior  |
|-------|----------------|---|
| 1     | 1-2: Ant       | 1: Electronics, 2: Bridge, 3-20: Quarters                             |
| 2-3   | 1: AL          | 1-20: Quarters  |
| 4-5   | 1: CH          | 1-20: Cargo   |
| 6-9   | 1: AL          | 1-20: Quarters  |
| 10    | 1-2: LP, 3: AL | 1-10: Quarters, 11-20: Hangar   |
| 11    | 1: CH, 2: AL   | 1-10: Quarters, 11-20: Cargo  |
| 12-13 | 1: AL          | 1-20: Quarters  |
| 14    |                | 1-16: Quarters, 17-20: Fuel   |
| 15-19 |                | 1-20: Fuel  |
| 20    | 1: AL          | 1: Powerplant, 2-14: Maneuver Drive, 15: Engine Controls, 16-20: Fuel |

| Powerplant - 16H    |
|---------------------|
| Maneuver - 1055H    |
| Life Support - 303H |
| ELS - 9152H         |
| Grav Comp - 409H    |
| Hangar - 714H       |
| Laser Comm - 1h     |
| Radio Comm - 1h     |
| Stateroom - 1H      |
| Low berth - 1h      |
| ELB - 1h            |
| Med bay - 1H        |
| Elec Shop - 1H      |
| ·                   |
|                     |

Lab - 1H Lab - 1H Machine Shop - 2H Robot Bay 1H AEMS Ir - 2h PEMS - 1h - Antenna - 1H Densitometer - 2h Laser Barbette - 2H All others - 1h All others - 1h

| Electronics Sub Hit Table |              |  |
|---------------------------|--------------|--|
| D20                       | System       |  |
| 1-3                       | AEMS         |  |
| 3-9                       | Computers    |  |
| 10                        | Laser Comm   |  |
| 11                        | Radio        |  |
| 12-13                     | Densitometer |  |
| 14-20                     | PEMS         |  |

| Quarter Sub Hit Table |                  |  |
|-----------------------|------------------|--|
| D20                   | System           |  |
| 1-2                   | Staterooms       |  |
| 3                     | Life Support     |  |
| 4                     | Em. Life Support |  |
| 5                     | Sick Bay         |  |
| 6                     | Em. LB           |  |
| 7                     | Low Berth        |  |
| 8                     | Armory           |  |
| 9                     | Lab              |  |
| 10-20                 | Galley           |  |

|      | Antenna Sub Hit Table |  |  |  |
|------|-----------------------|--|--|--|
| D20  | System                |  |  |  |
| 1-4  | Radio                 |  |  |  |
| 5    | Laser Comm            |  |  |  |
| 6    | AEMS                  |  |  |  |
| 7-20 | PEMS                  |  |  |  |
|      |                       |  |  |  |

# Ungrest Gunboat

#### General Data:

Displacement: 40 Length: 10.23m Price: 29.9Mcr Configuration: Sphere/SL Mass (L/E): 622/605

Hull Armor: 150 Volume: 560Kl Target Size: Very Small Tech Level: 14

Engineering data:
Power Plant: Fusion 200MW, Duration 3 week,
Fuel = 1.087KI
Jump Performance: N/A
Maneuver Drive Type: HePlar = 3200tons,
31.77MW/G, Fuel = 253.5KI
G-rating: 5G
G-turns: 65, Fuel Consumtion = 0.78KI/turn/G
Maint: 101

Computer: 3 Fiber Optic Flight
Commo: Commo: 2 Laser com 300'Km, 0.15MW 1 Radio 300'Km, 10MW Avionics: TL 10+ Avionics Sensors: AEMS 120'Km, 9MW PEMS 90'Km, 0.06MW EMM 0.56MW

Controls:
Automation = High
2 Bridge Workstations
1 Workstation

#### Armament:

Offensive: 1 TL 16 Laser Lance 200Mj, 1.17MW 1 TL 16 Laser Turret 985Mj, 5.76MW Defensive: N/A Master Fire Directors: N/A

Electronics Sub Hit Table

D20 System

1-2 AEMS

5-17 EMM

19 PEMS

20 Radio

3-4 Computers

18 Laser Comm

| Weapon       | DM | Short      | Medium     | Long      | Extreme   |
|--------------|----|------------|------------|-----------|-----------|
| Laser Lance  | 0  | 10:1/11-35 | 20:1/6-18  | 40:1/3-9  | 80:1/1-4  |
| Laser Turret | 0  | 10.1/25-78 | 20.1/13-39 | 40.1/6-20 | 80:1/3-10 |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | 0   | 0    | 0     | 0    | 2       | 0       |
| EMM       | 2   | 1    | 2     | 1    |         |         |
| Drive IR  | 13  | 14   |       |      |         |         |

Quarters Sub Hit Table

D20 System

1-11 Bunks

12-13 Galley

14-16 Life Support

18-20 Recr. Area

17 Em. Life Support

| Area  | Surface                | Interior                                       |
|-------|------------------------|--|
| 1     | Ant                    | 1-7: Lance, 8-19: Electronics, 20: Qtr         |
| 2-3   | 1-19: Ant              | 1-10: Br Wrkst, 11-20: Qtr                     |
| 4-5   | Ant                    | 1-3: Qtr, 4-20: Fuel                           |
| 6     | Ant                    | 1-5: Eng Wrkst, 6-20: Qtr                      |
| 7     | 1-5: AL, 6-19: Ant     | Qtr  |
| 8-9   | Ant                    | Fuel   |
| 10    | 1-15: EMMr, 16-19: Ant | Laser Turret                                   |
| 11    | Ant                    | 1-10: Laser Turret, 11-19: CG Lifter, 20: Fuel |
| 12-15 | Ant                    | Fuel   |
| 16    | 1-6: Ant               | 1-17: Qtr, 18-20: Maneuver Drive               |
| 17    | 1-6: Ant               | 1-3 Maneuver Drive, 4-20: Fuel                 |
| 18-19 | 1-6: Ant               | 1-3 Maneuver Drive, 4-8: Fuel, 9-20: PP        |
| 20    |                        | Powerplant                                     |

Antenna Sub Hit Table D20 System 1-17 Radio

Accommodations:
Life Support: Extended 0.06MW; G-Comp = 5G, 1.5MW
Crew: 4 (Pilot, Electrnonics, Engineer, Gunner)
Crew Accommodations: Bunks 4
Passenger Accommodations: None
Supplies: Standard supplies for 4 weeks
(Galley 12Kl, Supplies 0.93Kl, 4200cr)
Cargo: None
Small Craft & Launch facilites: N/A
Other Facilities: N/A
Airlocks: 1 Airlocks: 1

Powerplant - 2H Maneuver - 4h Life Support - 2H ELS - 1H Grav-C - 2h CG Lift - 2h Laser Lance - 4h Laser Comm - 1h Radio Comm - 1h

AEMS - 1h PEMS - 1h EMM - 2h Laser Turret - 1H All other 1h

The Ungrestians deploy this gun boat on their SLD ships that travels between their two systems. The SLD ships are at their most vulnerable at launch and at slow down when they enter their destaination system.

# Thonoerrgh-Class Vargr Courier

#### General Data:

Displacement: 100 Length: 34.7m Price: 71,811Mcr Configuration: Wedge/AF Mass (L/E): 2105/2012

Hull Armor: 28 Volume: 1400Kl Target Size: Small Tech Level: 13



#### Engineering data:

Power Plant: 166MW, 1 year duration, 16.6Kl fuel
Jump Performance: 3 parsecs, Fuel = 280Kl
Maneuver Drive Type: HePlar = 2110ton, 105,5MW

Reaction mass = 316.5Kl G-rating: 1, CG lifters 10MW G-turns: 24 (45.2 if using jump fuel), 13.19Kl

#### Electronics:

Computer: 3 std computers Commo: Maser 1000AU, 0.6MW Radio 300'Km, 10MW Avionics: TL 8+ Avionics Sensors: AEMS 300'Km, 27.5MW PEMS 90'Km, 0.1MW

EMM 1.4MW

Controls:

Automation=High 3 Bridge workstations 1 Workstation

#### Accommodations:

Life Support: Extended 0.21MW
G-comp = 4G, 5.33MW
Crew: 5 (Maneuver 2, Engineer 1, Electronic 1,
Gunnery 1)

#### **Crew Accommodations:**

1 Large stateroom 4 Small staterooms

Passenger Accommodations: None
Supplies: 4 weeks for 5 persons (1.16Kl, 5250Cr)
Cargo: 50Kl
Small Craft & Launch facilites: N/A

Other Facilites: N/A Airlocks: 1



## Armament:

107Mj Laser turret, 1.97MW, Crew 1 [Loc: 10 Arc: 1-3]

Defensive: N/A

Master Fire Directors: N/A

| Weapon             | DM | Targets | Short     | Medium    | Long     | Extreme  |
|--------------------|----|---------|-----------|-----------|----------|----------|
| 107Mj laser turret | 0  | 1       | 10:1/8-26 | 20:1/4-13 | 40:1/2-6 | 80:1/1-3 |

An ordinary Vargr scout courier.

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -1  | -1   | -1    | -1   | 3       | -1      |
| EMM       | 1   | 0    | 1     | 0    |         |         |

| Powerplant - 2H               |       | Surface Hits  | Internal Hits                  |
|-------------------------------|-------|---------------|--------------------------------|
| Maneuver - 3h                 | 1     | 1-13: Antenna | Electronics                    |
| Jump Drive - 5H               | 2-3   |               | Qtr                            |
| Life Support - 8H<br>ELS - 4H | 4     |               | 1-12: Electronics, 13-20: Qtr  |
| Grav-C - 1H                   | 5     |               | Hold                           |
| Maser Comm- 1h                | 6-7   |               | Qtr                            |
| Radio Comm - 1h               | 8     |               | Hold                           |
| Stateroom - 1H                | 9     | 1: AL         | 1-6: Qtr, 7-20: Hold           |
| Sm stateroom - 2h             | 10    |               | 1-12: Laser Turret, 13-20: Qtr |
| Airlock - 1h<br>AEMS - 3h     | 11    | Fuel Scoops   | Hold                           |
| PEMS - 1h                     | 12-17 |               | Hold                           |
| EMM - 3h                      | 18    |               | Engineer                       |
| Laser Turret - 1H             | 19    | 1-2: EMMr     | Engineer                       |
| EMMr - 14h                    | 20    |               | Engineer                       |

# Fenghguer-Class Merchant (civilian version)

General Data:

Displacement: 200
Length: 17.5m
Price: 75.625Mcr
Configuration: Sphere/SL
Mass (L/E): 2616/1788

Hull Armor: 20 Volume: 2800Kl Target Size: Small Tech Level: 12

Enginearing data:

Power Plant: Fusion = 315MW, Duration 1 year,
Fuel = 30.5Kl

Jump Performance: 2 parsecs, Fuel 420Kl

Maneuver Drive Type: HePlar = 5250tons thrust,
262.5MW

G-rating: 2

G-turns: 40; Reaction Mass = 656.25Kl, 8.2Kl/
Turn/S

Maint: 130

## Electronics:

Computer: 3 standard computers Commo:

Commo:
Laser Comm 1AU, 0.3MW
2 Radios 300'Km, 10MW ea.
Avionics: TL 8+ Avionics
Sensors:
AEMS 60'Km, 12.5MW
PEMS 60'Km, 0.06MW

Controls:

Workstations = 4 Automation = High

Accommodations:
Life Support: Extended 0.339MW, G-Comp = 3G, 8.46MW
Crew: 4 (Engineer 1, Electronic 1, Maneuver 2)
Crew Accommodations:
4 small staterooms

4 small staterooms
Passenger Accommodations:
NA
Supplies: Galley = 12.97Kl
4 weeks of Normal supplies for crew (0.93Kl, 4200cr)
Cargo: 700Kl
Small Craft & Launch facilities:

1 grav lorry in Minimal hangar. **Other Facilites:** Fuel scoops and FuelPurPlant 1.33MW (5 hours)

#### Armament:

Offensive: 2 empty barbette sockets Defensive: N/A Master Fire Directors: N/A

Notes:
This class of merchant is a quite trustworthy craft for a Vargr craft. Unlike their imperial counterparts, vargr merchants tend to have more armor and maneuver to make an escape easier from prospecting pirates.

Due to space constraints and the low crew requirements the Bridge is just equiped with normal workstations rather than the larger and more spaceous bridge workstations.

Surplus power 7.93MW

| Cit       | LIDT | DEMC | D- d  | AFMC | Constitut | Flue    |
|-----------|------|------|-------|------|-----------|---------|
| Signature | HRT  | PEMS | Radar | AEMS | Gravity   | vs Fire |
| Normal    | -1   | -1   | -1    | -1   | 1         | -1      |
| EMM       | -    | -    | -     | -    |           |         |

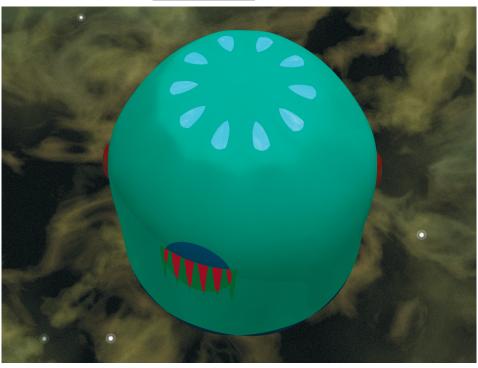
|       | Surface Hits       | Internal Hits   |
|-------|--------------------|---|
| 1     | 1:AL, 2-6: Antenna | 1-2: Electronics, 3-5: Bridge, 6-20: Quarters                                     |
| 2     | Antenna            | 1-12: Barbette Socket, 13-20: Quarters  |
| 3     | Antenna            | 1-18: Quarters, 19-20: Fuel   |
| 4     | Antenna            | 1-12: Barbette Socket, 13-20: Fuel  |
| 5-9   | Antenna            | Fuel  |
| 10-11 |                    | Fuel  |
| 12    |                    | Powerplant  |
| 13    |                    | 1-2: Powerplant, 3-15: FuelPurPlant, 16-20: Fuel                                  |
| 14-18 |                    | Cargo   |
| 19    |                    | Hangar  |
| 20    | 1: AL              | 1-12: Jump Drive, 13-16: maneuver Drive,<br>17: Engineer Workstation, 18-20: Fuel |

| Electronics Sub Hit Table |            |  |  |
|---------------------------|------------|--|--|
| D20                       | System     |  |  |
| 1-4                       | AEMS       |  |  |
| 5-17                      | Computers  |  |  |
| 18                        | Laser Comm |  |  |
| 19                        | PEMS       |  |  |
| 20                        | Radio      |  |  |

| Quarter Sub Hit Table |                  |  |  |  |
|-----------------------|------------------|--|--|--|
| D20                   | System           |  |  |  |
| 1-16                  | Staterooms       |  |  |  |
| 17-18                 | Life Support     |  |  |  |
| 19                    | Em. Life Support |  |  |  |
| 20                    | Galley           |  |  |  |

| Antenna Sub Hit Table |            |   |  |  |  |  |
|-----------------------|------------|---|--|--|--|--|
| D20                   | System     |   |  |  |  |  |
| 1-17                  | Radio      |   |  |  |  |  |
| 18                    | Laser Comm |   |  |  |  |  |
| 19                    | AEMS       |   |  |  |  |  |
| 20                    | PEMS       | Ā |  |  |  |  |

Powerplant - 7H Maneuver - 1H Jump drive - 7H Life Support - 2H ELS - 1H Grav-C - 1H Hangar - 1H Sm stateroom - 2h All others - 1h



# Fenghguer-Class Merchant (corsair version)

## General Data:

Displacement: 200 Length: 17.5m Price: 101.270Mcr Configuration: Sphere/SL Mass (L/E): 2519/1831 Hull Armor: 20 Volume: 2800Kl Target Size: Small Tech Level: 12

Enginearing data:
Power Plant: Fusion = 315MW, Duration 1 year,
Fuel = 31.5Kl
Jump Performance: 2 Parsecs, Fuel = 420Kl
Maneuver: HePlar = 5250 tons thrust, 262.5MW
G-rating: 2.08
G-turns: 40; Reaction Mass = 656.25, 8.02Kl/

turn/g Maint: 125

Electronics:

computer: 3 standard computers
Commo:

Laser Comm 1AU, 0.3MW
2 Radios 300'Km, 10MW ea.

Avionics: TL 8+ Avionics

Sensors: AEMS 60'Km, 12.5MW PEMS 60'Km, 0.06MW

Controls:

Workstations = 5 Automation = High

Accommodations:
Life Support: Extended 0.34MW, G-Comp = 3G, 8.46MW
Crew: 15 (Engineer 1, Electronic 1, Maneuver 2,
gunnery 1, Command 1, Troops 9)
Crew Accommodations:
6 Small staterooms
9 bunks for troops
Passenger Accommodations: None
Supplies: Galley = 15.65KI
4 weeks of Normal supplies for crew (3.48KI, 15 750cr)
Cargo: 560KI
Small Craft & Launch facilities:

Cargo: SbUKI
Small Craft & Launch facilites:
1 grav lorry in Minimal hangar.
Other Facilites: FuelPurPlant 1.33MW (5 hours), Fuel Scoops
Airlocks: 2

## Armament:

Offensive: 2 285Mj Laser Barbettes, 7.92MW

Defensive: N/A
Master Fire Directors:
1 Beam MFD, 300'Km, DiffMod = 4, 27.7MW, 1 crew

This version of the Fenghguer merchant are up-gunned and equiped with larger sensor suite and a MFD sacrificing cargo space for the improvements. This version are not very usual, but it is possible to encounter them in Gvurrdon.

| Weapon             | DM | Short      | Medium    | Long      | Extreme  | Arc               |
|--------------------|----|------------|-----------|-----------|----------|-------------------|
| 285Mi Laser Turret | 0  | 10:1/14-42 | 20:1/7-21 | 40:1/3-11 | 80:1/2-5 | Area 3.4 Arcs 1-3 |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -1  | -1   | -1    | -1   | 3       | -1      |
| EMM       | -   | -    | -     | -    |         |         |

Powerplant - 7H Maneuver - 1H Jump Drive - 7H Life Support - 2H ELS - 1H Grav-C - 1H Hangar - 1H FuelPurPlant - 2H Sm stateroom - 2h MFD - 1H Laser Barbette - 2H All other - 1h

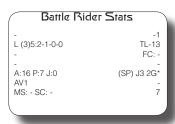


## Acknouth-Class Corsair

## General Data:

Displacement: 300 Length: 50m Price: 326.233Mcr Configuration: Wedge/AF Mass (L/E): 3668/3491

Hull Armor: 30 Volume: 4200 Target Size: Small Tech Level: 13



Enginearing data:
Power Plant: Fusion = 566MW, Duration = 1year
Fuel = 56.6KI
Jump Performance: 3 Parsecs, Fuel = 840KI
Maneuver Drive Type: HePlar = 7350tons,
367.5MW
G-rating: 2
G-turns: 40; Reaction Mass = 918.75KI,
11.48KI/turn/g
Maint: 150

Maint: 150

Clectronics:

Computer: 3 standard computers
Commo:

Laser Com, 300'km, 0.15MW
2 Laser Com, 30'Km, 0.08MW
Radio, 1000AU, 20MW
2 Radios, 300'Km, 5MW ea.
Avionics: TL 8+ Avionics

Avionics: TL 8+ Avionics
Sensors:
2 AEMS, 480'Km, 50MW ea.
1 PEMS (Folding), 210'Km, 0.3MW
1 PEMS (Fixed), 120'Km, 0.15MW
Controls:
Bridge Workstations = 7
Workstations = 1
Automation = High

#### Armament:

Offensive: 3 433MJ Laser turrets, 11.1MW, 1 crew ea. Defensive: N/A Master Fire Directors: N/A

Accommodations:
Life Support: Extended, 0.48MW; G-Comp = 4G, 11.92MW
Crew: 54 (Electronics 1, Engineering 1, Maneuver 2, Gunnery 3, troops 41,
Flight 1, Command 4)
Crew Accommodations:
Staterooms 5, Small Staterooms 9, Bunks 41
Passenger Accommodations: None
Supplies: Galley 16.2Kl
Supplies = 4 weeks for entire crew (12.528Kl, 56 700Cr)
Caroo: 0

Cargo: 0
Small Craft & Launch facilites:
1 ATVs in minimal hangar
Other Facilites: Fuel Scoops
FuelPurPlant = 11Hrs, 0.83MW
Airlocks: 3

Notes:
A much feared corsair in the Marches. Its space combat capability is quite good. But it is even better for ground assault with its large compliment of troops.

| Weapon             | DM | Short     | Medium    | Long      | Extreme  | Arcs  |
|--------------------|----|-----------|-----------|-----------|----------|---|
| 433Mj Laser Turret | 0  | 5:1/17-52 | 10:1/8-26 | 20:1/4-13 | 40:1/2-7 | Loc: 10-11, Arcs: 1-5<br>Loc: 20, Arcs: 4-5 |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -1  | -1   | -1    | -1   | 3       | -1      |
| EMM       | -   | -    | -     | -    |         |         |

| Area  | Surface          | Interior   |  |
|-------|------------------|--|--|
| 1     | Ant              | 1-18: Electronics, 2: Quarters   |  |
| 2     | 1: AL, 2-20: Ant | Quarters   |  |
| 3     | Ant              | Quarters   |  |
| 4-5   | 1-12: Ant        | 1-11: Quarters, 12-20: Hangar  |  |
| 6-7   |                  | 1-3: FuelPurPlant, 4-20: Quarters  |  |
| 8-9   |                  | 1-10: Quarters, 11-20: Fuel  |  |
| 10    | 1: AL, 2-20: Ant | 1-4: Laser Turret, 5-13: Bridge, 14-20: Fuel                                 |  |
| 11    |                  | 1-4: Laser Turret, 5-13: Contra Grav, 14-20: Fuel                            |  |
| 12-16 |                  | Fuel   |  |
| 17    |                  | 1-8: Jump Drive, 9-20: Fuel  |  |
| 18    |                  | 1-9: Powerplant, 10-17: JumpDrive, 18-20: Fuel                               |  |
| 19    |                  | 1-9: Powerplant, 10-20: Fuel   |  |
| 20    | 1: AL            | 1-4: Maneuver Drive, 5: Engineer Workstation, 6-9: Laser Turret, 10-20: Fuel |  |

PowerPlant - 6H Maneuver - 1H Jump Drive - 13H FPP - 2H Life Support - 4H ELS - 2H Grav-C - 1H Contra Grav - 1H Hangar - 2H Stateroom - 1H Sm stateroom - 2h AEMS - 4h PEMS Ir - 2h - Antenna - 2H Laser Turret - 2H Sandcaster - 1H All Others - 1h

| Electronics Sub Hit Table |            |  |  |  |
|---------------------------|------------|--|--|--|
| D20                       | System     |  |  |  |
| 1-2                       | AEMS       |  |  |  |
| 3                         | Computers  |  |  |  |
| 4                         | Laser Comm |  |  |  |
| 5-19                      | PEMS       |  |  |  |
| 20                        | Radio      |  |  |  |

| Quarter Sub Hit Table |                  |  |  |  |
|-----------------------|------------------|--|--|--|
| D20                   | System           |  |  |  |
| 1-16                  | Staterooms       |  |  |  |
| 17                    | Life Support     |  |  |  |
| 18                    | Em. Life Support |  |  |  |
| 19                    | Armory           |  |  |  |
| 20                    | Galley           |  |  |  |

| Antenna Sub Hit Table |            |  |  |
|-----------------------|------------|--|--|
| D20                   | System     |  |  |
| 1-4                   | Radio      |  |  |
| 5                     | Laser Comm |  |  |
| 6                     | AEMS       |  |  |
| 7-20                  | PEMS       |  |  |

# Farrgangh-Class Fighter

General Data:

Displacement: 9.9

Length: 19.26m

Price: 18.235McrMcr

Configuration: Needle/AF

Mass (L/E): 245/240

Hull Armor: 80 Volume: 138.6KI Target Size: Very Small Tech Level: 13

Engineering data:
Power Plant: Fusion 94 MW, Duration 1 day,
Fuel = 0.026Kl
Jump Performance: N/A
Maneuver Drive Type: HePlar 1225tons,
12.25MW/G, Reaction Mass = 61.25Kl
G-rating: 5g
G-turns: 40, Fuel Consumption = 0.306Kl/turn/G
Maint: 40

Electronics:

CCTPONICS:
Computer: 2 fib flight computers
Commo:
Laser com 300'Km, 0.15MW
Radio 300'Km, 10MW
Avionics: TL 10+ Avionics
Sensors:
AEMS 180'Km, 20MW
PEMS 60'Km, 0.06MW
EMM, 0.139MW
Controls:
Automation=High
1 Bridge workstation

Armament:

Offensive: 144Mj X-ray Laser Lance, 1.23MW Defensive: None
Master Fire Directors: None

DM Targets Short Medium Long Extreme 144Mj Laser Lance 0 3:1/10-30 6:1/5-15 12:1/2-8 24:1/1-4 1

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | 1   | 1    | 1     | 1    | 2       | 1       |
| EMM       | 3   | 2    | 3     | 2    |         |         |
| Drive IR  | 9   | 10   |       |      |         |         |

| Area  | Surface             | Interior                                |
|-------|---------------------|---|
| 1     | 1-20: Ant           | 1-20: Electronics                       |
| 2     | 1: Hatch, 2-18: Ant | 1-8: Electronics, 9-20: Crew            |
| 3     | 1-20: Ant           | 1-20: Crew                              |
| 4     | 1-20: Ant           | 1-20: Laser Lance                       |
| 5     | 1-20: Ant           | 1-17: Laser Lance, 1-3: Fuel            |
| 6     | 1-20: Ant           | 1-14: Crew, 15-19: Fuel, 20: Powerplant |
| 7-9   | 1-20: Ant           | 1-20: Fuel                              |
| 10    |                     | 1-20: Fuel                              |
| 11    |                     | 1-8: Powerplant, 9-20: Fuel             |
| 12-15 |                     | 1-20: Fuel                              |
| 16-19 |                     | 1-20: Powerplant                        |
| 20    |                     | 1-2: Powerplant, 3-20: Maneuver Drive   |

Powerplant - 1H Maneuver - 2h Life Support - 1H ELS - 1H Grav-C - 1h AEMS - 2h PEMS - 1h Laser Lance - 1H All others - 1h

| Electronics Sub Hit Table |            |  |  |
|---------------------------|------------|--|--|
| D20                       | System     |  |  |
| 1-8                       | AEMS       |  |  |
| 9-12                      | Computers  |  |  |
| 13-17                     | EMM        |  |  |
| 18                        | Laser Comm |  |  |
| 19                        | PEMS       |  |  |
| 20                        | Radio      |  |  |

| Crew Sub Hit Table |                  |  |  |  |  |
|--------------------|------------------|--|--|--|--|
| D20                | System           |  |  |  |  |
| 1-10               | Crew             |  |  |  |  |
| 11-17              | Life Support     |  |  |  |  |
| 18-20              | Fm. Life Support |  |  |  |  |

| Antenna Sub Hit Table |            |  |
|-----------------------|------------|--|
| D20                   | System     |  |
| 1-17                  | Radio      |  |
| 18                    | Laser Comm |  |
| 19                    | AEMS       |  |
| 20                    | PEMS       |  |

Accommodations:
Life Support: Extended 0.0153MW; G-Comp = 4G, 0.383MW
Crew: 1 Pilot, 1 Sensor Operator
Passenger Accommodations: 2 Adequate seats
Airlocks: 1 Hatch

Notes: This is the mainstay fighter in the SoE naval forces.

# Grorrgh-Class carrier

#### General Data:

Displacement: 20,000 Length: 223m Price: 8,052.841Mcr Configuration: Slab/SL Mass (L/E): 208635/169912

Hull Armor: 90 Volume: 280,000KI Target Size: Large Tech Level: 13

Battle Rider Stats L (x17) 10:3-2-1-0 TL-13 FC:-4(5) L(x1)6:0 Msl2(60) A:16 P:8 J:10 Msk (SP) J3 1G\* AV3 BRL 80 MS:8 SC(10) 58

Enginearing data:

Power Plant: 12,380MW, Duration 1 year,
Fuel = 1,238KI
Jump Performance: 3 parsecs, Fuel = 56,000KI
Maneuver Drive Type: HePlar = 208,700tons,
10,435MW, Reaction mass = 83,480KI
G-rating: 1g, CG unit = 2000MW
G-turns: 64 turns, 107 including jump fuel;
Fuel burn = 1,304.375KI/Gturn
Maint: 8,570

Electronics:
Computer: 3 fib computers

Commo:

2 Laser Comm 1000AU, 0.3MW 2 Maser Comm 1000AU, 0.6MW 2 Radios 1000AU, 20MW Avionics: TL 10+ Avionics

Avionics: TL 10+ Avionics
Sensors:
2 AEMS 480'Km, 50MW
1 PEMS (folding) 240'Km, 0.35MW
2 PEMS (fixed) 150'Km, 0.2MW
2 EMS Jammers 300'Km, 55MW
EMM, 280MW
Controls:
Automation = High
96 Bridge Workstations
14 Workstations

#### Armament:

Offensive:
50 x 1067Mj Laser Barbettes, 9.12MW, Crew 0
4 x 10Mj Laser PDS, 6.84MW, Crew 1ea, DiffDM +5
20 Missile Barbettes, 3rdy msls ea, Crew 1ea, mslsize = 0.7dt

Defensive:

10 Sandcaster turrets, 1 MW, PV = 2D6x5, 35 cans, crew 1ea.
Mesonscreen, PV = 300, 100MW, Crew 4

Master Fire Directors:

2 Msi/Beam Directors, 300'Km, DM 4, 3.1MW, Crew 1ea.
5 Beam Directors, 300'Km, DM 4, 2.95MW, Crew 1ea.

Accommodations:
Life Support: Extended 27.873MW; G-Comp = 4G, 696,82MW
Crew: 806 (Engineer 14, Electronics 3, Maneuver 2, Gunnery 45,
Maintenance 70, Troops 400, Flight 181, Command 84, Stewards 7,
Medical 6)
Crew Accommodations:
Large staterooms = 90
Staterooms = 316
Bunks = 400
Supplies:

Supplies: 400
Supplies: Galley = 242Kl
Supplies: Normal duration = 16 weeks (747.97Kl, 3.385Mcr)
Cargo: 2000Kl
Small Craft & Launch facilites:
80 9.90t fighters in spaceous hangar
2 Shuttles in spaceous hangar

2 Sinutuses in Spaceous hairgay
4 modular cutters in docking ring
3 ATV modules with ATV/Fighting vehicle
3 Troop/Passenger modules
1 Field hopsital module
1 Field Command module
1 Maintenance hangar for ships up to 300dt
10 Escapepods in turret sockets
10 Fight Pacifiles:

10 Escapepods in turret sockets
Other Facilites:
ELB = 20
Armory for 400 troops (200Kl)
Electronic shop, Machine shoop, 1 sick bay
FuelPurPlant = 24hrs, 29.3MW
Fuel scoops
Airlocks: 25 (5 with umbilical cord)

Notes:

This type of carrier was the leading ship in the assault on Thirz Empire during their last war. It's troop compliment combined with the fighters was a good combination against averagely defended targets.

The ship got a designed power shortage of 1997MW. The CG unit draws 2000MW so other systems need to power down during CG operations.

| Weapon                | DM | Short      | Medium     | Long      | Extreme   | Arcs   |
|-----------------------|----|------------|------------|-----------|-----------|--|
| 1067Mj Laser Barbette | 0  | 10:1/26-82 | 20:1/13-41 | 40:1/7-20 | 80:1/3-10 | 15xArea 7/8 Arc: 2-4<br>5xArea 10/11 Arc: 1-5<br>5xArea 14/15 Arc: 2-4 |
| 10Mj Laser Turret     | 5  | 3:1/3-8    | 6:1/1-4    | 12:1/1-2  | 24:1/0-1  | 2xArea 2/3 Arc: 1-3  |
| Sandcasters           |    |            |            |           |           | 5xArea 2/3 Arc: 1-3  |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -3  | -3   | -3    | -3   | 5       | -3      |
| EMM       | -1  | -2   | -1    | -2   |         |         |

| Area  | Surface                | Interior  |  |  |
|-------|------------------------|---|--|--|
| 1     | 1-10: Antenna, 11: AL  | 1-10: Electronics, 11-12: Bridge, 13-20: Quarters   |  |  |
| 2-3   | 1-3: Ant, 4: AL, 5: CP | 1: Sandcaster (5), 2: PDL (2), 3: Escape Pods (5), 4-15: Quarters, 16: Cargo, 17-19: Fuel, 20: Hangar |  |  |
| 4     | 1-3: Ant, 4: AL        | 1: Quarters, 2-8: Fuel, 9-20: Hangar  |  |  |
| 5     | 1-3: Ant, 4: AL        | Hangar  |  |  |
| 6     | 1-2: Launch Port       | Hangar  |  |  |
| 7-8   | 1: AL                  | 1: Missile Barbettes (10), 2-3: Laser Barbette (15), 4-20: Hangar                                     |  |  |
| 9     |                        | Fuel  |  |  |
| 10    | 1: AL                  | 1: Laser Barbettes (5), 2-4: Meson Screen, 5: Quarters, 6-20: Fuel                                    |  |  |
| 11    | 1: AL                  | 1: Laser Barbettes (5), 2-10 Contra Grav, 11: MFD Bridge (7), 12-20: Hangar                           |  |  |
| 12-13 |                        | Fuel  |  |  |
| 14-15 | 1: AL                  | 1: Laser Barbettes (5), 2-20: Fuel  |  |  |
| 16    |                        | 1-3: FuelPurPlant, 4-20: Fuel   |  |  |
| 17    |                        | Fuel  |  |  |
| 18    | 1: AL, 2-6: EMMr       | 1-2: Powerplant, 3: Maneuver Drive, 4: Engineer Control Room (14), 5-20: Fuel                         |  |  |
| 19    | 1-5: EMMr              | 1-2: Powerplant, 3, Maneuver Drive, 4-20: Fuel  |  |  |
| 20    |                        | 1-3: Powerplant, 4-19: Jump Drive, 20: Maneuver Drive   |  |  |

Powerplant - 124H Maneuver - 11H Jump Drive - 840H Life Support - 220H ELS - 110H Grav-C - 28H FPP - 42H Hangar - 614H Meson Screen - 16H MFD - 1H Stateroom - 1H PEMS Ir - 2h - Antenna - 7H PEMS sr ant - 2h EMS Jam - 3h EMM - 28H Sandcaster - 1H Laser Barbette - 2H Armory - 4h Elec Shop - 1H Mach Shop - 2H Contra Grav - 40H All others - 1h Stateroom - 1H Sm stateroom - 2h Med bay - 1H AEMS - 4h

| Electron | Electronics Sub Hit Table |  |  |  |
|----------|---------------------------|--|--|--|
| D20      | System                    |  |  |  |
| 1        | AEMS                      |  |  |  |
| 2        | Computers                 |  |  |  |
| 3-15     | EMM                       |  |  |  |
| 16       | Laser Comm                |  |  |  |
| 17       | PEMS                      |  |  |  |
| 18       | Radio                     |  |  |  |
| 19       | MFD system                |  |  |  |
| 20       | EMS Jammer                |  |  |  |

| Quarte | Quarter Sub Hit Table |  |  |  |  |
|--------|-----------------------|--|--|--|--|
| D20    | System                |  |  |  |  |
| 1-12   | Staterooms            |  |  |  |  |
| 13-15  | Life Support          |  |  |  |  |
| 16     | Em. Life Support      |  |  |  |  |
| 17     | Sick Bay              |  |  |  |  |
| 18     | Low Berth             |  |  |  |  |
| 19     | Armory                |  |  |  |  |
| 20     | Galley                |  |  |  |  |

| Anten | na Sub Hit Table |
|-------|------------------|
| D20   | System           |
| 1     | Radio            |
| 2     | Laser Comm       |
| 3     | AEMS             |
| 4     | EMS Jammer       |
| 5-20  | PEMS             |

# Uvuelloeng-Class Frigate

#### General Data:

Displacement: 8,000 Length: 179m Price: 5,728.710 Configuration: Needle/SL Mass (L/E): 98,361 / 93,265 Hull Armor: 90 Volume: 112,000Kl Target Size: Medium Tech Level: 13

#### Battle Rider Stats M (-2) 5: 10-7-4-2 L (x2)10:3-2-1-0 TL-13 L (x1) 6:0 FC:-4(2) (SP) J3 2G\* A:16 P:8 J:10 Msk AV3 MS:10 SC(4) 36

Enginearing data:

Power Plant: Fusion 14,460MW, Duration 1 year,
Fuel = 1,446KI
Jump Performance: 3 Parsecs, Fuel = 22,400KI
Maneuver Drive: HePlar = 196,800tons thrust,
4,920MW/G
G-rating: 2G
G-turns: 62; 196 including jump fuel, Reaction
Mass = 38,130KI; 307.5KI/g/t
Maint: 4,055

Electronics:

computer: 3 fib computers

commo:

4 Laser Comm 1000AU, 0.3MW

Radio 1000AU, 20MW

2 Radios 300'Km, 10MW

Avionics: TL 10+ Avionics

Sensors:

Sensors: 2 AEMS 480'Km, 50MW 2 PEMS 120'Km, 0.2MW

2 PEMS 120'Km, 0.2MW
EMS Jammer 480'Km, 100MW
EMM, 112MW
Controls:
Automation = High
53 Bridge Workstations
189 Workstations

## Armament:

Offensive:

10,600Mj Spinal Mesongun, 2944.44MW, Crew 57
4 x 650Mj Laser Barbettes, 9.12MW, Crew 0
2 x 10Mj Laser PDS, 6.84MW, Crew 0

Defensive:
4 Sandcaster turrets, 1 MW, PV = 2D6x5, 35 cans, crew 1ea.
Mesonscreen, PV = 550, 174.22MW, Crew 7

Master Fire Directors:
3 Beam Directors, 300'Km, DM 4, 2.95MW, Crew 1ea

Accommodations:

Life Support: Extended 10MW; G-Comp = 4g, 250.12MW

Crew: 132 (Engineers 16, Electronics 3, Maneuver 2, Gunnery 16, Maintenance 36, Troops 40, Flight 2, Command 15, Stewards 1, Medic 1)

Crew Accommodations:

Large Staterooms = 16

Small Staterooms = 76

Bunks = 40

Passenger Accommodations: None

Supplies:

Galley = 71.8KI

Supplies: Normal, 4 weeks (30.62Kl, 138,600Cr)

Cargo: 800Kl

Small Craft & Launch facilites:

2 gigs in minimal hangar

Other Facilites:

4 ELB

4 ELB 2 Lowberths

FuelPurpPlant = 48hrs, 6.46MW, fuel scoops Electronic Shop, Machine Shop, Med Bay Fuel Scoops Airlocks: 12 (2 with umbilical cord)

Notes:

This craft got hurrieldy designed and buildt in answer to the SoE attack. It is essentially just a large meson gun. Hence the nickname shotgun. Thirz Empire are still using modified crafts of this in their quarantine fleet.

The power rating listed on the mesongun are for RoF 100. The powerplant delivers enough power for this in addition to powering all other systems.

| Weapon                | DM | Short      | Medium     | Long      | Extreme   | Arcs                  |
|-----------------------|----|------------|------------|-----------|-----------|-----------------------|
| Meson Gun             | 2  | 5:515      | 10:297     | 20:155    | 40:77     | Area: 1, Arc: 1       |
| 1067Mj Laser Barbette | 0  | 10:1/26-82 | 20:1/13-41 | 40:1/7-20 | 80:1/3-10 | 2xArea: 2/3, Arc: 1-4 |
| 10Mj PDS              | 5  | 1:1/3-8    | 2:1/1-4    | 4:1/1-2   | 8:1/0-1   | 1xArea: 2/3, Arc: 1-4 |

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -2  | -2   | -2    | -2   | 4       | -2      |
| EMM       | 0   | -1   | 0     | -1   |         |         |

| Area  | Surface             | Interior  |
|-------|---------------------|---|
| 1     | 1-3: Ant, 4: AL     | 1-3: Meson Gun, 4-12: Electronics, 13: Bridge, 14-19: Quarters, 20: Fuel                            |
| 2-3   | 1: AL               | 1-3: Meson Gun, 4: PDL, 5: LB (2), 6-11: Quarters, 12-20: Fuel                                      |
| 4-5   |                     | 1-3: Meson Gun, 4-9: Meson Screen, 10-20: Fuel,   |
| 6-7   |                     | 1-3: Meson Gun, 4: Sandcasters (2), 5-20: Fuel  |
| 8-9   |                     | 1-3: Meson Gun, 4-20: Fuel  |
| 10    | 1: AL               | 1-3: Meson Gun, 4-9 Quarters, 10-20: Fuel   |
| 11    | 1: AL, 2: CP, 3: LP | 1-3: Meson Gun, 4-12: CG unit, 13: Quarters, 14-15: Cargo, 16-18: Hangar, 19-20: Fuel               |
| 12-17 |                     | 1-3: Meson Gun, 4-20: Fuel  |
| 18    | 1: AL               | 1-3: Meson Gun, 4-11: Jump Drive, 12: Maneuver Drive, 13, Eng. Controls, 14-20: Fuel                |
| 19    |                     | 1-3: Meson Gun, 4-5: Powerplant, 6-13: Jump Drive, 14: Man. Drive, 15-16: FuelPurPlant, 17-20: Fuel |
| 20    | 1-7: EMMr           | 1-3: Meson Gun, 4-18: Powerplant, 19-20: Maneuver Drive   |

| Electron | Electronics Sub Hit Table |  |  |
|----------|---------------------------|--|--|
| D20      | System                    |  |  |
| 1        | AEMS                      |  |  |
| 2        | Computers                 |  |  |
| 3-15     | EMM                       |  |  |
| 16       | Laser Comm                |  |  |
| 17       | PEMS                      |  |  |
| 18       | Radio                     |  |  |
| 19       | MFD system                |  |  |
| 20       | EMS Jammer                |  |  |

| Quarter Sub Hit Table |                  |  |
|-----------------------|------------------|--|
| D20                   | System           |  |
| 1-10                  | Staterooms       |  |
| 11-14                 | Life Support     |  |
| 15-16                 | Em. Life Support |  |
| 17                    | Sick Bay         |  |
| 18                    | Low Berth        |  |
| 19                    | Armory           |  |
| 20                    | Galley           |  |

| Antenna Sub Hit Table |            |  |
|-----------------------|------------|--|
| D20                   | System     |  |
| 1-14                  | Radio      |  |
| 15                    | Laser Comm |  |
| 16-17                 | AEMS       |  |
| 18                    | EMS Jammer |  |
| 19                    | PEMS       |  |
| 20                    | MFD        |  |

| Powerplant - 145H<br>Maneuver - 10H<br>Jump Drive - 336H<br>Life Support - 109H<br>ELS - 55H<br>Grav-C - 10H<br>CG-Unit - 16H<br>FPP - 10H<br>Hangar - 6H<br>Spinal Mount - 191H<br>Meson Screen - 27H<br>Beam MFD - 4h | Stateroom - 1H<br>Sm stateroom - 2h<br>Med bay - 1H<br>AEMS - 4h<br>EMS - 4h<br>EMM - 12H<br>EMMr - 1120h<br>Sandcaster - 1H<br>Laser Barbette - 2H<br>PDS - 1h<br>All other - 1h |
|---|---|
| McI MED 1 LI  |   |

# Gvurrdon Uzangou-Class Quarantine cruiser

#### General Data:

Displacement: 3000 Length: 65m Price: 2 014.455Mcr Configuration: Dome/Disc/AF Mass (L/E): 33 169/30 404

Hull Armor: 40 Volume: 42,000Kl Target Size: Medium Tech Level: 13

#### Battle Rider Stats

M (-) 2: 6-4-2-1 L (x5)10:3-2-1-0 TL-13 FC:-4(3) L (x1) 6:0 M:4(180) A:16 P:8 J:16 Msk (SP) J3 2G\* MS:10 SC:10 26

Engineering data:
Power Plant: Fusion 4050W, Duration 1 year, Fuel
= 405Kl

Jump Performance: 3 parsecs, fuel = 8400Kl Maneuver Drive Type: HePlar = 66 500ton, 3325MW G-rating: 2

**G-turns:** 36 (112 including jump fuel); Reaction Mass 14 965.5Kl, 103.9Kl/turn/g

Maint: 1370

2 Laser Comm 1000AU, 0.3MW

2 Laser Comm 1000AU, 0.3MW
4 Maser Comm 1000AU, 0.6MW
1 Radio 1000AU, 20MW
Avionics: TL 10+ Avionics
Sensors:
2 AEMS 480'Km, 50MW
1 AEMS 300'Km, 27,5MW
PEMS (folding) 210'Km, 0.3MW
1 PEMS (fixed) 150'Km, 0.2MW
1 EMS Jammer 480'Km, 100MW
EMM, 42MW
Controls:
Automation = Low
Bridge workstations = 20
Workstations = 14

#### Accommodations:

Life Support: Extended 3.647MW; G-Comp = 4G, 91.163MW
Crew: 88 (Engineers 14, Electronics 3, Maneuver 2, Gunnery 23,
Maintenance 13, Troops 20, Flight 2, Command 11)
Crew Accommodations:
Staterooms = 11
Sm staterooms = 57
Bunks = 20

Sm staterooms = 57
Bunks = 20
Passenger Accommodations: None
Supplies:
Galley = 47KI
Supplies = Normal 110KI, 12 weeks, 487700Cr
Cargo: 420KI
Small Craft & Launch facilities:
2 Pinage in minimal bangar

2 Pinnace in minimal hangar Other Facilites:

Machine Shop, Electronics Shop, Med Bay, Fuel Scoops, FuelPurPlant = 48hrs (2.48MW)

Airlocks: 12 (2 with umbilical cord)

One of the first ships produced after the Virus threat got known. The class One or the first snips produced after the Virus threat got known. The class got less automation than usual for this class of ships, making it much harder to infect with the Virus.

Theoretical ships are the prime developer of the ship, but variants have been produced in both SoE and Thirz Empire.

There is a power deficit of 297MW which means that Contra Grav units may see the provinced class cide with weapons and all the concern.

not be powered along side with weapons and all the sensors

## Armament:

Offensive:
2000Mj Spinal Meson Gun, 55.556MW, Crew 13
10x1067Mj Laser Barbettes, 9.12MW, crew 0 ea.
2x10Mj PDS Laser Turrets, 68.42MW, crew 1 ea.

10 Missile Barbettes, Msl size = 0.2dt, 18 rdv msls, crew 0 ea. Defensive:

Defensive:

10 sandcaster turrets, 1MW, PV = 2D6x5, 35 cans, crew 1 ea.
Mesonscreen, PV = 500, 138.89MW, crew 7

Master Fire Directors:

2 Ms/Jkeam Directors, DM 4, Range 300'Km, 0.35MW, Crew 1 ea.
2 Beam Directors, DM 4, Range 300'Km, 0.2MW, Crew 1 ea.

| Signature | HRT | PEMS | Radar | AEMS | Gravity | vs Fire |
|-----------|-----|------|-------|------|---------|---------|
| Normal    | -2  | -2   | -2    | -2   | 4       | -2      |
| EMM       | 0   | -1   | 0     | -1   |         |         |

| Weapon                | DM | Short      | Medium     | Long      | Extreme   | Arcs  |
|-----------------------|----|------------|------------|-----------|-----------|---|
| Meson Gun             | 0  | 2:224      | 4:120      | 4:60      | 8:30      | Loc 1: Arc 1  |
| 1067Mj Laser Barbette | 0  | 10:1/26-82 | 20:1/13-41 | 40:1/7-20 | 80:1/3-10 | 2 in each locations 2 - 5: Arcs 1-3<br>1 in each location 10 and 11: Arcs 1-5 |
| 10Mj Laser PDS        | 5  | 3:1/3-8    | 6:1/1-4    | 12:1/1-2  | 24:1/0-1  | 1 in each location 10 and 11: Arcs 1-5  |

| Area  | Surface          | Interior   |
|-------|------------------|--|
| 1     | 1: AL, 2-20: Ant | 1: MG, 2: SCT, 3-13: Electronics, 14-20: Qtrs  |
| 2-3   | 1: AL, 2-6: Ant  | 1: MG, 2: SCT, 3-4: LsrB, 5-6: MslB, 7-20: Qtrs  |
| 4     | 1: AL, 2-6: Ant  | 1: MG, 2: SCT, 3-4: LsrB, 5-6: MslB, 7-18: MScreen, 19-20: Qtrs                          |
| 5     | 1: AL, 2-6: Ant  | 1: MG, 2: SCT, 3-4: LsrB, 5-6: MslB, 7-18: MScreen, 19: Qtr, 20: Fuel                    |
| 6     | 1: AL            | 1: MG, 2-7: Fuel, 8-20: Hangar   |
| 7-9   |                  | 1: MG, 2-20: Fuel  |
| 10    | 1: AL, 2-5: Ant  | 1: MG, 2: PDTurret, 3, MsIB, 4: LsrB, 5-6: Bridge, 7-20: Fuel                            |
| 11    | 1: AL, 2: CH     | 1: MG, 2:PDTurret, 3: MslB, 4: LsrB, 5-13: C-Grav, 14-15: FPP, 16-17: Fuel, 18-20: Cargo |
| 12-13 |                  | 1: MG, 2-20: Fuel  |
| 14-15 |                  | 1: MG, 2-9: Jump Drive, 10-20: Fuel  |
| 16    | 1: AL            | 1: MG, 2-7: Powerplant, 8: Engineer Wrkstn, 9-20: Fuel                                   |
| 17    |                  | 1: MG, 2-7: Powerplant, 8: Engineer Wrkstn, 9-20: Fuel                                   |
| 18-19 |                  | 1: MG, 2-20: Fuel  |
| 20    | 1: AL            | 1: MG, 2-4: Maneuver Drive, 5: Engineer Wrkstn, 6-20: Fuel                               |

| Electronics Sub Hit Table |            |  |
|---------------------------|------------|--|
| D20                       | System     |  |
| 1                         | AEMS       |  |
| 2                         | Computers  |  |
| 3-15                      | EMM        |  |
| 16                        | Laser Comm |  |
| 17                        | PEMS       |  |
| 18                        | Radio      |  |
| 19                        | MFD system |  |
| 20                        | EMS Jammer |  |

| Quarte | Quarter Sub Hit Table |  |  |
|--------|-----------------------|--|--|
| D20    | System                |  |  |
| 1-13   | Staterooms            |  |  |
| 14-15  | Life Support          |  |  |
| 16     | Em. Life Support      |  |  |
| 17     | Sick Bay              |  |  |
| 18     | Low Berth             |  |  |
| 19     | Armory                |  |  |
| 20     | Galley                |  |  |

| Antenn | a Sub Hit Table |
|--------|-----------------|
| D20    | System          |
| 1-3    | Radio           |
| 4      | Laser Comm      |
| 5      | AEMS            |
| 6      | EMS Jammer      |
| 7-19   | PEMS            |
| 20     | MFD             |

Powerplant - 41H
Maneuver - 4H
Jump Drive - 126H
Life Support - 29H
ELS - 15H
Grav-C - 4H
FPP - 4H
Hangar - 11H
Spinal Mount - 19H
Meson Screen - 22H
MFD - 1H
Stateroom - 1H
Sm stateroom - 2h
Med by - 1H

AEMS Ir- 4h AEMS Ir- 4h
AEMS sr - 3h
PEMS Ir - 2h
- Ant - 2H
PEMS sr - 1h
EMS Jam - 4h
EMM - 5H
Laser Barbette - 2H
Sandcaster - 1H
Machine Shop - 2H
Electronics Shop -1H
Med Bay - 1H
All Others - 1h