Tinsae Mâbor'a (Starship Sensors)

This is the suite of sensors the Poku Saeruo Degonjo uses on their starships. This suite has been in use since 730 CY YE 11.

HS-SS1-E1100 - Quantum Flux Detector

Scan type: Passive These sensors scan the region of space for changes in the quantum state. Typically used to ensure that the region of space is stable for creating a worm hole. Additionally the HS-S1-E1100 can detect the formation of a Hyperspace Fold emergence point.

- Range 10 AU
- Quantum energy changes

HS-SS1-E1101 - Subspace Sensors

Scan type: Active These sensors allow the ship to actively track ships in FTL. Because it is an active system, such scanning can be detected. The sensors can not identify the type of ship, but if the craft is within 5 LY it can determine if the ship is using CDD or Fold.

- Range of 20+ LY
- Faster than light detection

HS-SS1-E1102 - Gravimetric Scanner

Scan type: Passive These sensors can detect gravitational energy, forces and distortions.

- Range 150 AU.

HS-SS1-E1103 Imaging Cluster

Scan type: Passive These sensors are used to gather information on stellar objects from long range.

- Deep space telescope
- Ultraviolet spectrograph
- Infrared spectrometer
- Gamma ray detection
- Magnetic resonance
- Electromagnetic imaging scanners

HS-SS1-E1104 Ranging

Scan type: Active/Passive\

- Light Detection And Ranging (LIDAR)
- Laser Detection and Ranging (LADAR)
- Range of 5 light seconds

HS-SS1-E1105 Targeting RADAR

Scan type: Active This sensor system consists of an array of RADARs that have oscillating frequency to help improve resolution by allowing the system to re-tune to get a better image. The RADAR also has a variable pulse repetition frequency (PRF) which is used for when the system goes from search mode to targeting. The RADAR can operate in rotating or sweep mode. It can lock onto and track up 1,000 objects.

- Range 10 light seconds

HS-SS1-E1501 Ground Penetrating Radar

This system was added to the suite, ground penetrating radar that can be used to image through rock, soil, ice, fresh water. It can detect objects, changes in material, and voids and cracks. Range is 10 kilometer. It became available in 724CY (YE 15).

OOC Notes

Authored by Nashoba and approved by Zack on Jun 12, 2010[1)]

1)
https://stararmy.com/roleplay-forum/index.php?threads/hidden-sun-clan-tinsae-m%C3%A2bora-starship-sensors.5432/

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