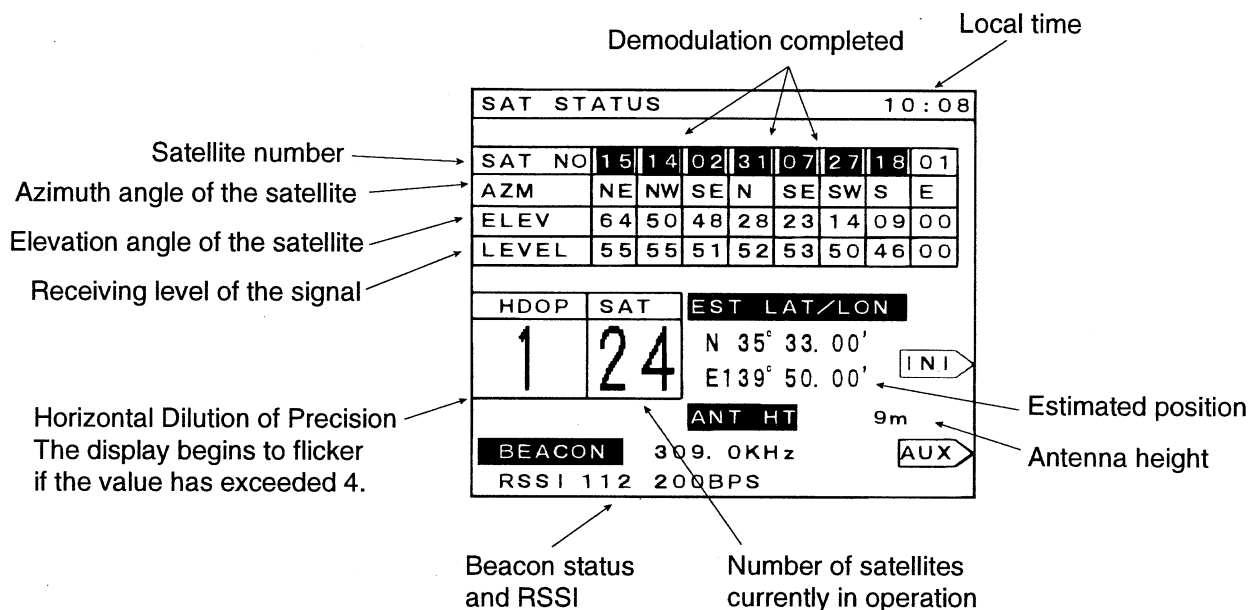


4.6 SAT STATUS Screen



4.6.1 INITIAL SETTING Screen

4.6.1.1 Setting the Initial Data

Caution

The initial settings will be registered on the DGPS receiver after the time difference between the universal time coordinated (UTC) and local time is enter (when the **ENT** key is pressed after entering the numerical values). The settings will be invalid if the setting operation is terminated before entering the time difference.

Enter the initial settings to the navigator if any one of the following conditions apply.

- (1) The first position fixing is to be made after installing the DGPS receiver.
- (2) The master reset function has been performed.

The navigator will automatically make settings that are required to properly operate it, which is connected to the GPS or DGPS receiver.

Entering the initial settings can reduce the time required for position fixing since they will help the equipment to locate the satellites that are required to position your vessel.

- Press the **INI** key on the SAT STATUS screen to display the INITIAL SETTING screen. Then, operate the keys in the following sequence.

Enter the vessel position latitude and longitude within the tolerance of one degree.

Enter the antenna height (from the mean sea level) of the vessel.

Enter the UTC (universal time coordinated).

Enter the time difference between the UTC and local time.


Example) When setting the following:

Vessel position (N 35° 33.00' and E 139° 50.00')

Antenna height : 9 meters

UTC : 15:48 on January 11, 1999


Time difference : +09:00 = +9 hours

- (1) Turn off the equipment first. Then, turn it on again by simultaneously pressing the **1** and **PWR** keys.
- (2) Press the  key provided on the right hand side of the MASTER RESET and **ENT** key to perform the master reset function.

Caution

All the waypoint data will be cleared after performing the master reset function. Therefore, we would recommend you to take notes on the key waypoint before performing the master reset function.


4.6.2 GPS AUX Screen

Pressing the  key on the SAT STATUS screen can make any one of the following settings.

4.6.2.1 Setting the Averaging for Position Display

The DGPS receiver calculates the vessel position, speed, and course based on the signals received from the GPS satellites. However, the calculation results thus obtained are subject to errors depending on the satellite positions and receiving conditions of the signals. Therefore, the averaging function is provided to average the errors, which can be selected in the range of 1 to 99 seconds with one-second increment.

Selection of a greater averaging duration will reduce the errors, but increase the response time and a smaller value will increase the errors, which in turn offers an opportunity for the steersman to promptly cope with a given situation faced by the vessel.

- (1) Press the  key provided on the right hand side of the RESPONSE to enter a desired value.