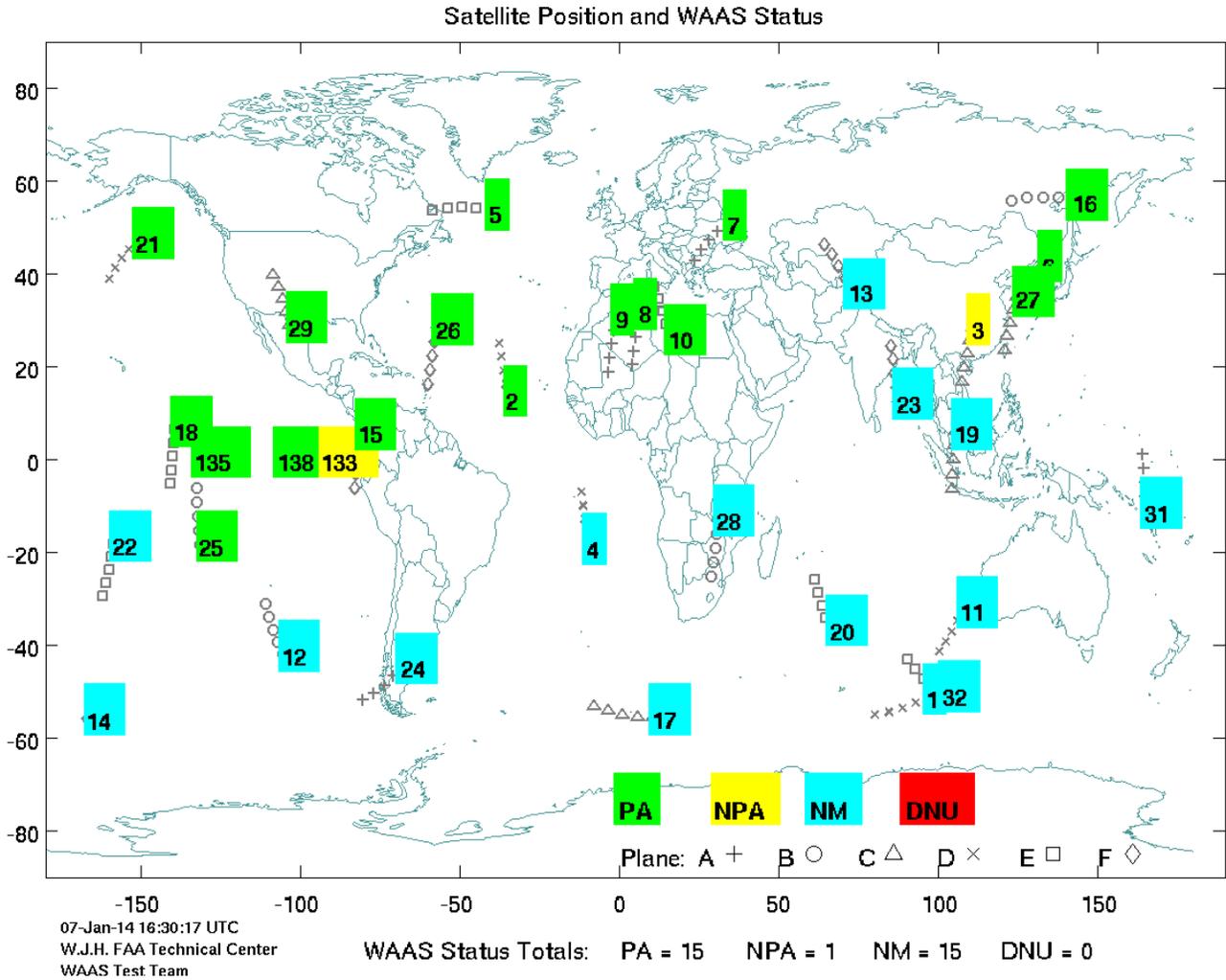


# WAAS Satellite Status

This real-time plot depicts the positions and status of GPS Satellites.

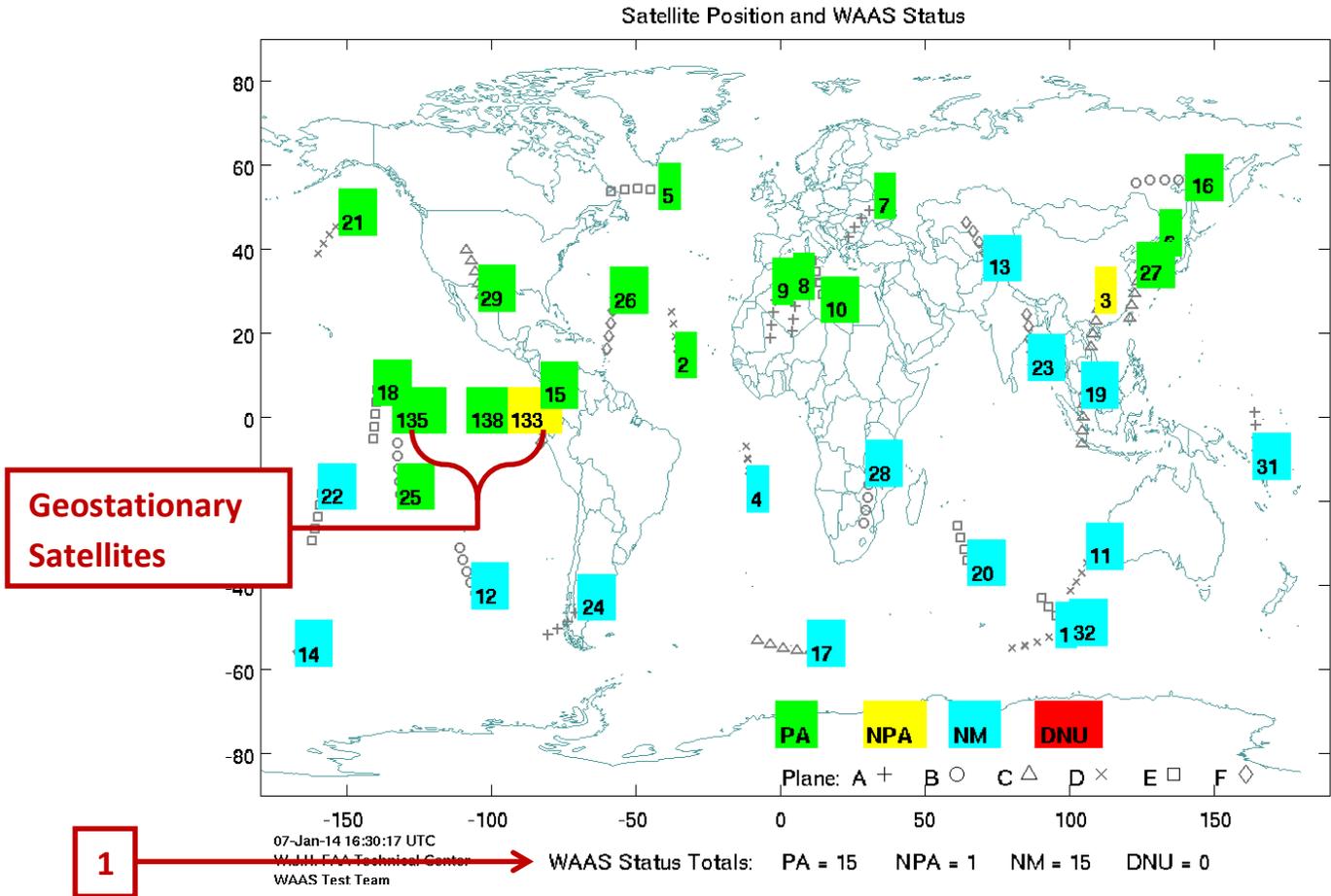
The colored boxes indicate satellite and their locations:

- The green boxes show Precision Approach (PA) satellites which have a User Differential Range Error, or UDRE, of 15 meters or less.
- Yellow shaded boxes pinpoint Non-Precision Approach (NPA) satellites which have a UDRE of 50 meters or more.
- The satellites which are not in range of WAAS are displayed as turquoise boxes.
- Those satellites that have been deemed unhealthy by GPS or WAAS show up on this plot as red boxes labeled DNU, or Do Not Use. In the example below, no DNUs are plotted.



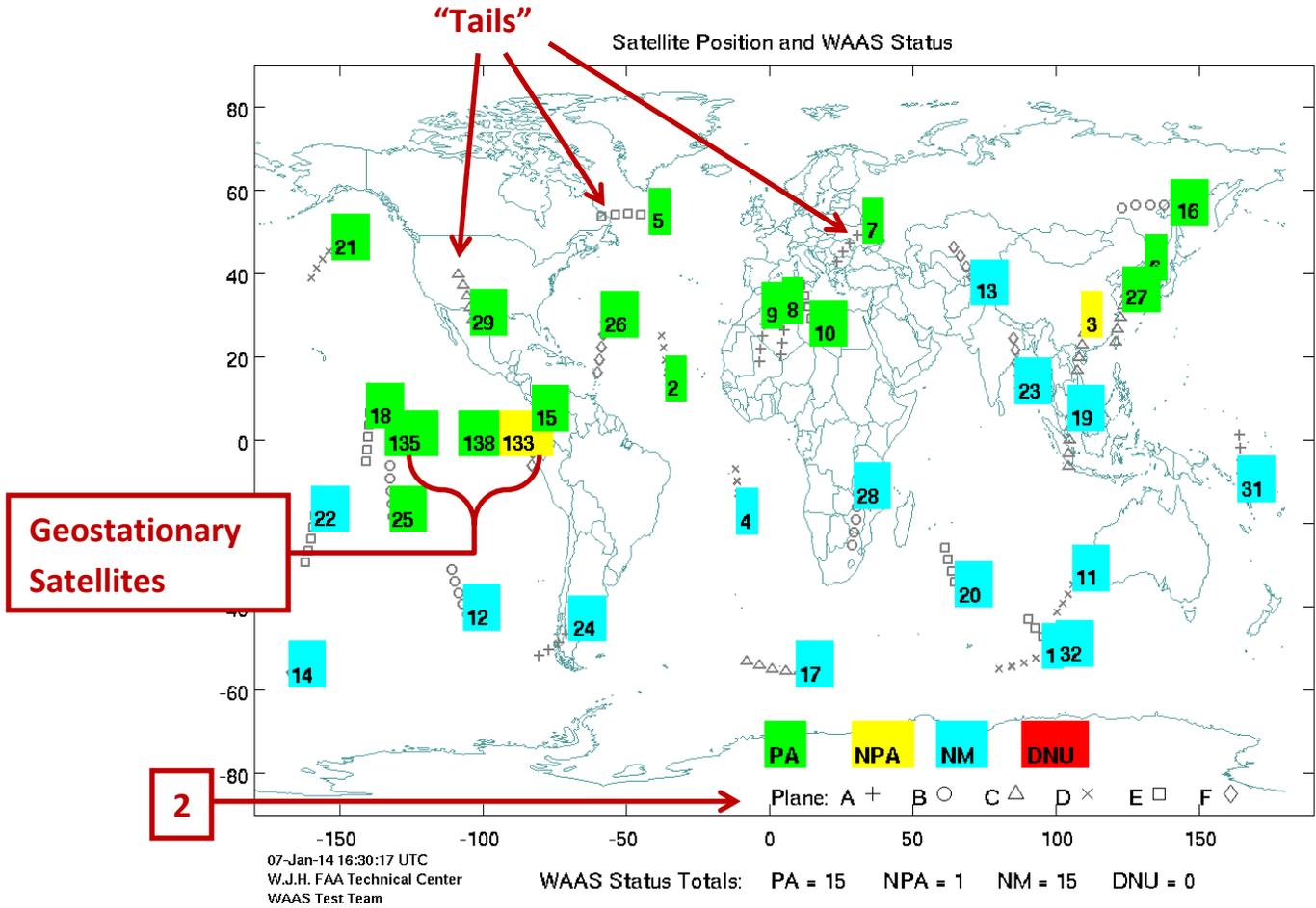
### Number of Satellites:

The WAAS Status Totals at the bottom of this diagram show how many GPS satellites of each state are in use. For example, in the diagram below there are 15 PA satellites and no DNU satellites (See #1 below). It is important to note that WAAS GEO satellites #133, #135 and #138 are not included in these totals.



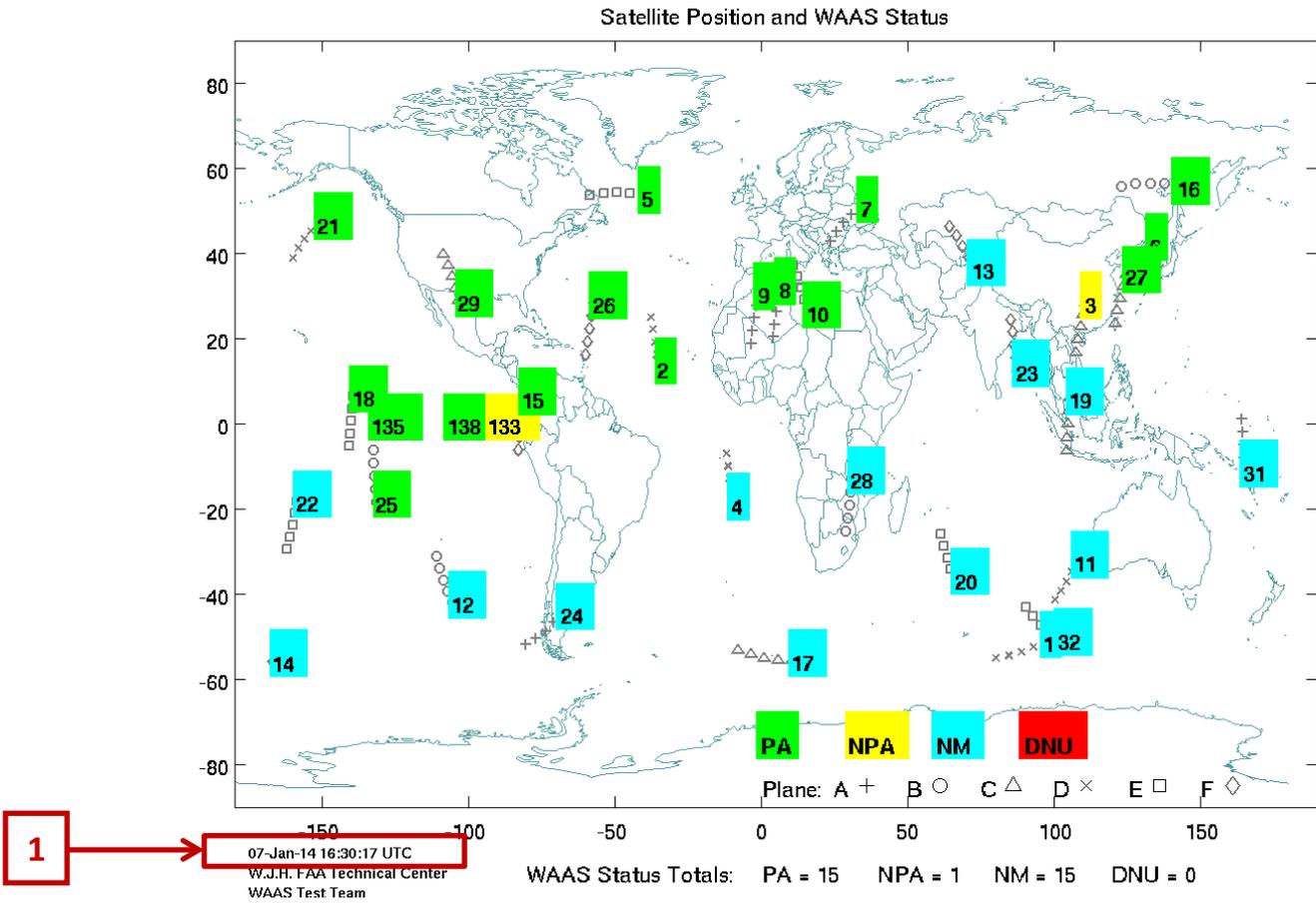
**Planes:**

The plane where each satellite is positioned is shown by symbols such as  $\Delta$ , +, or  $\diamond$  (See #2 below). These symbols create "tails" behind the satellites to illustrate the direction the satellite is moving. From a user's perspective the GEO satellites do not move so those satellites do not have "tails."



### Time Tag and Page Refresh:

The time tag indicates the plot update time (See #1 below). This real-time plot is updated every 3 minutes. Please note, however, that the page refreshes every 2 minutes (See #2 below).



1 → 07-Jan-14 16:30:17 UTC  
W.J.H. FAA Technical Center  
WAAS Test Team

PA: Precision Approach NPA: Non-Precision Approach NM: Not Monitored DNU: Do Not Use

(Click on image to view full size)

2 → Data is updated every three minutes, page refreshes every two minutes.