

FIGURE 1

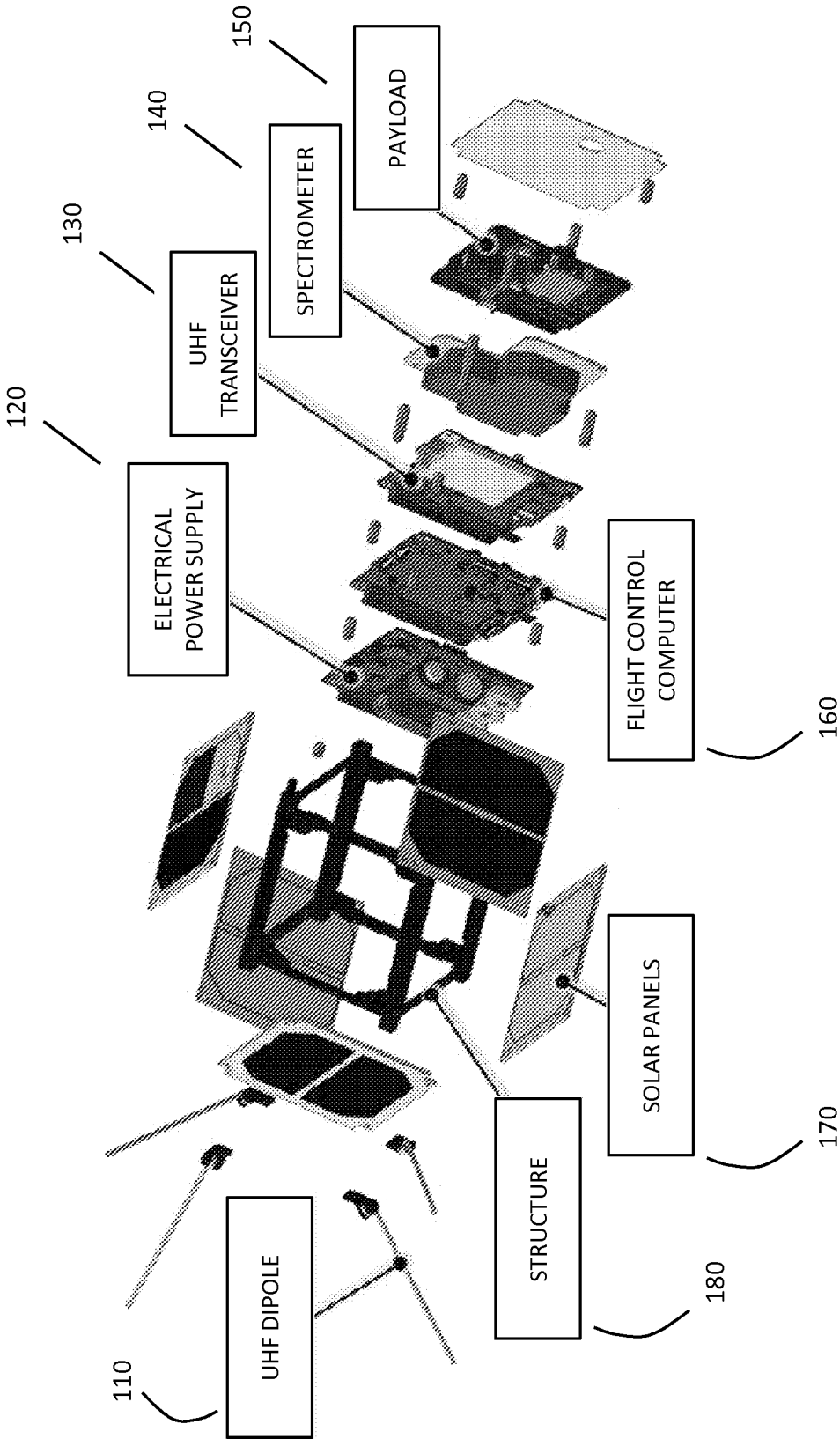


FIGURE 2

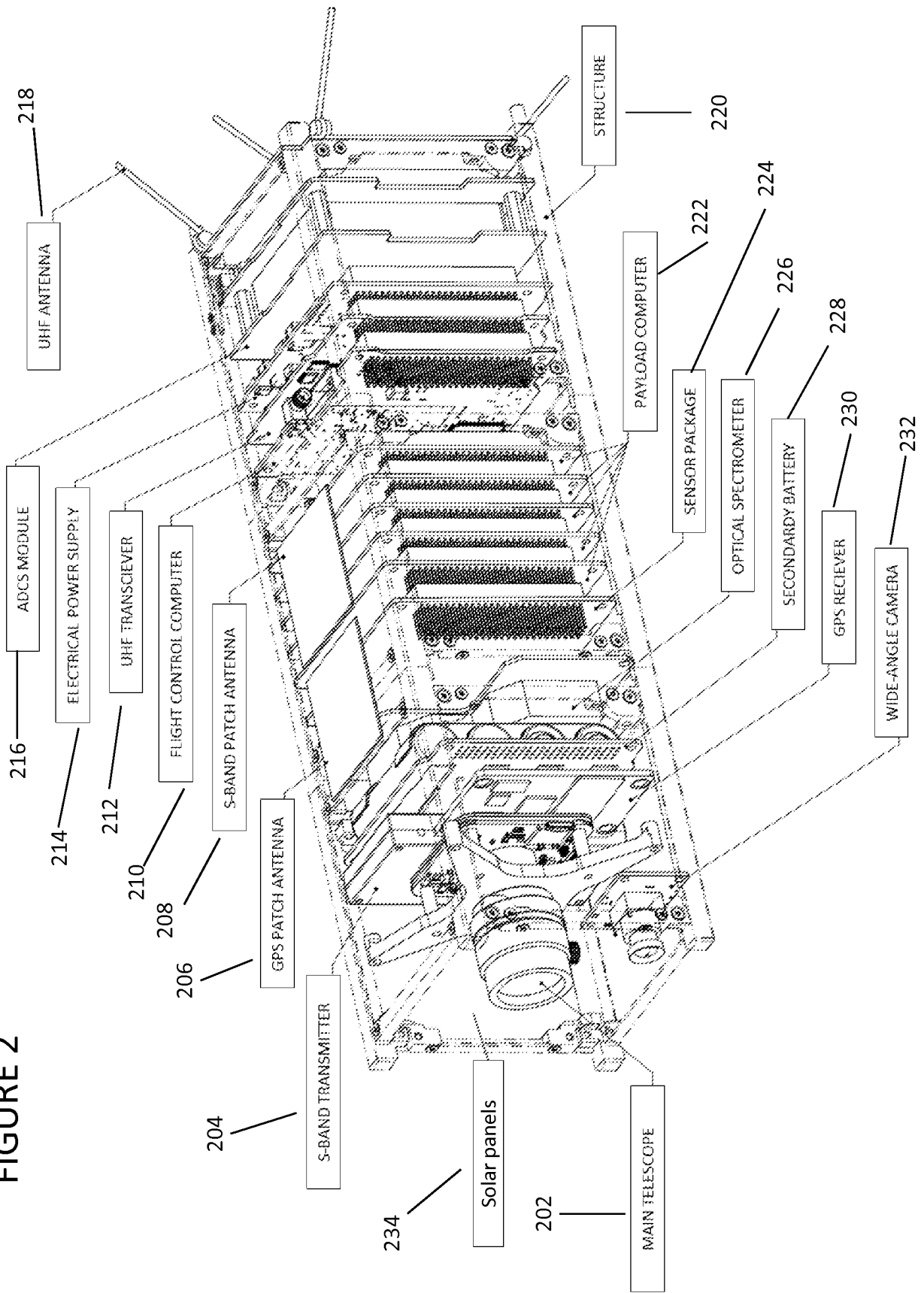
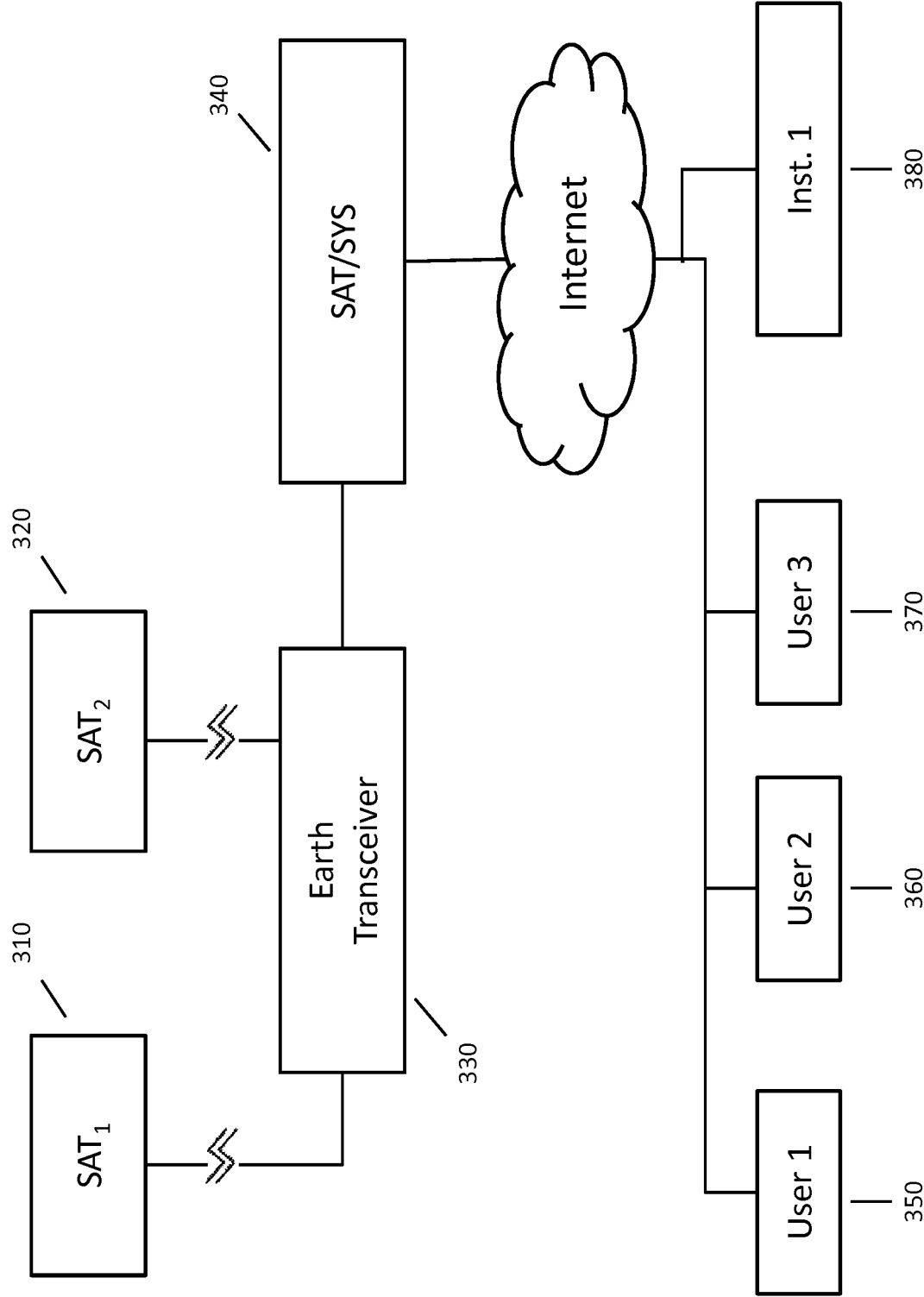
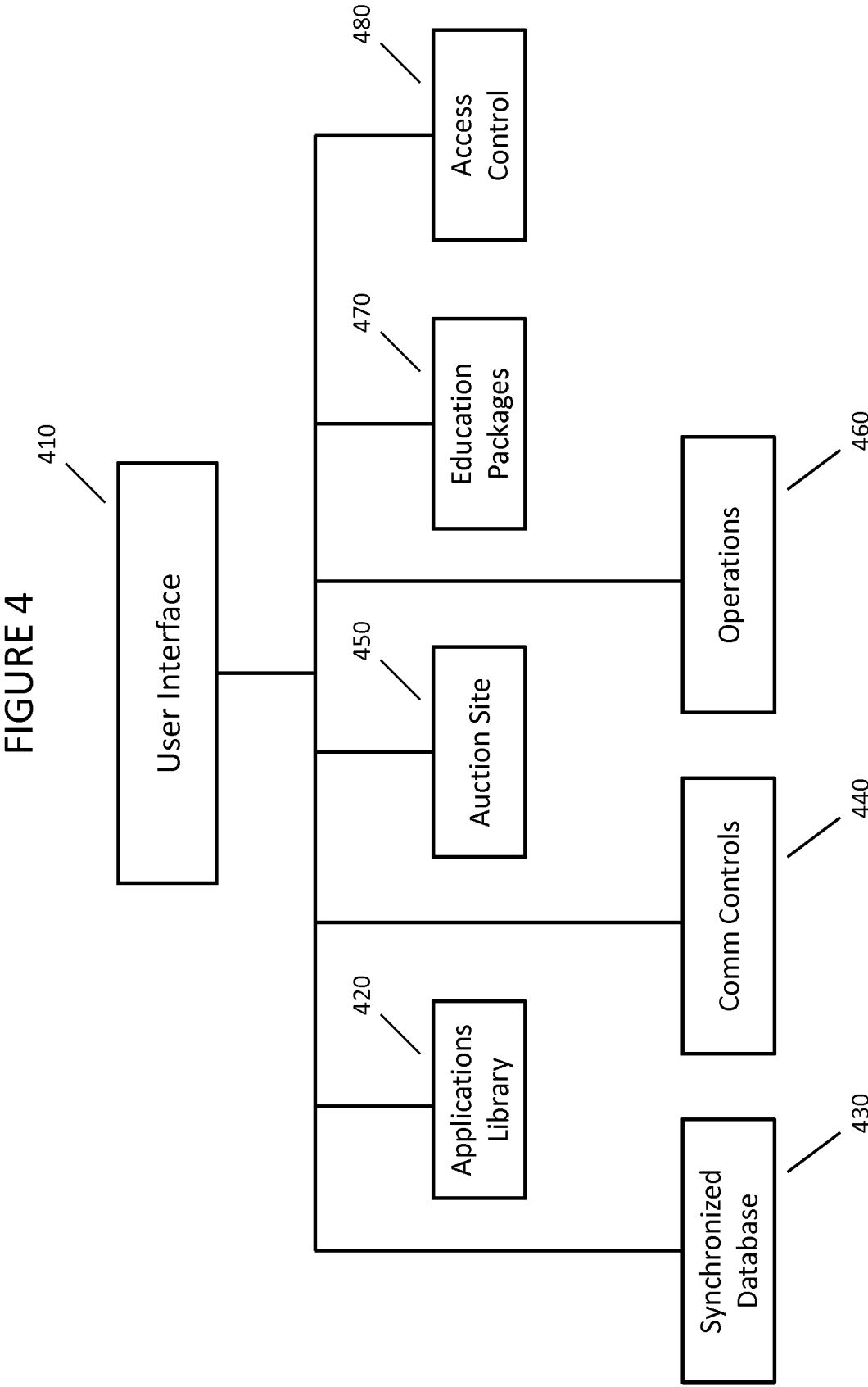


FIGURE 3





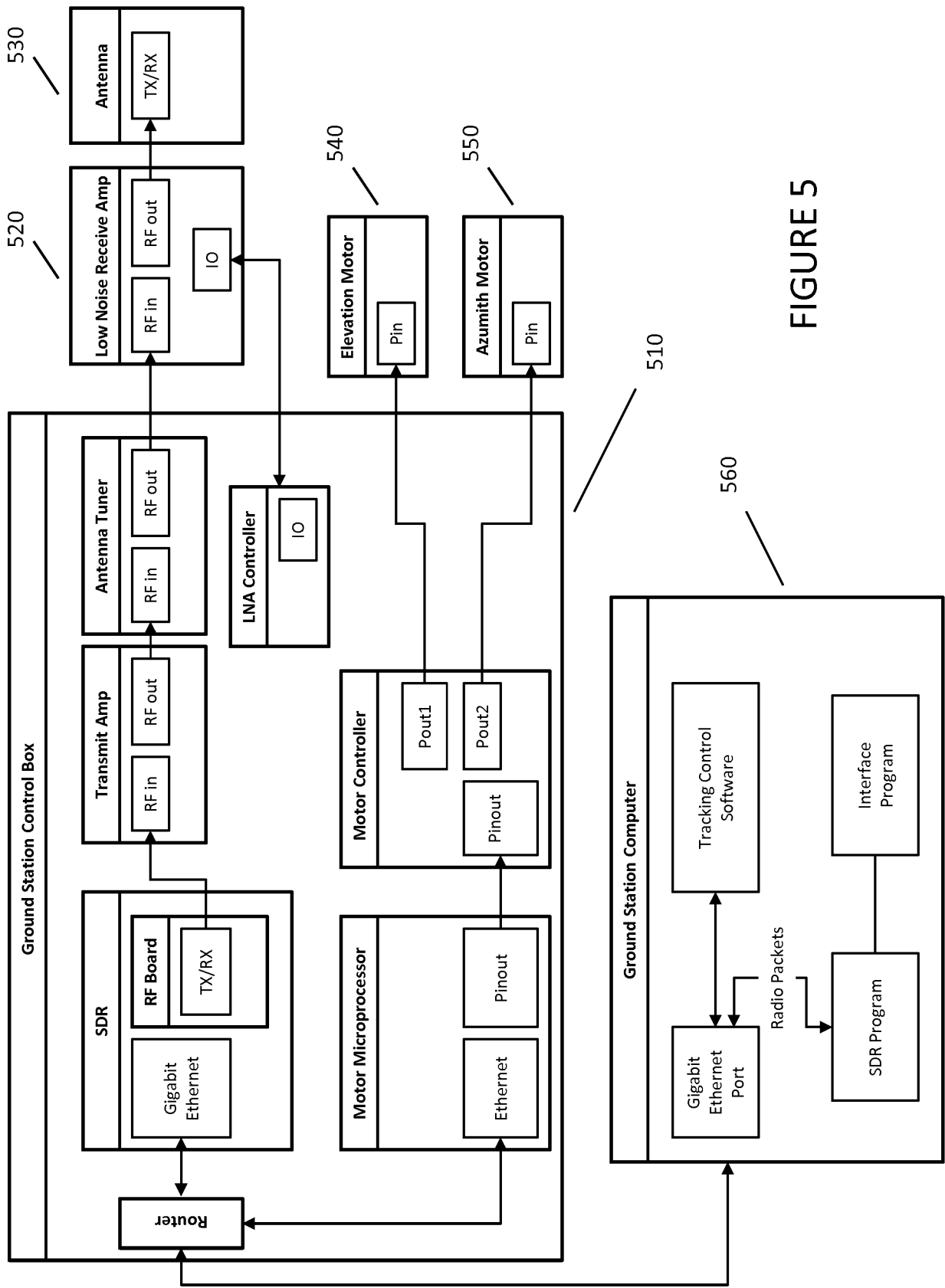


FIGURE 5

Figure 6

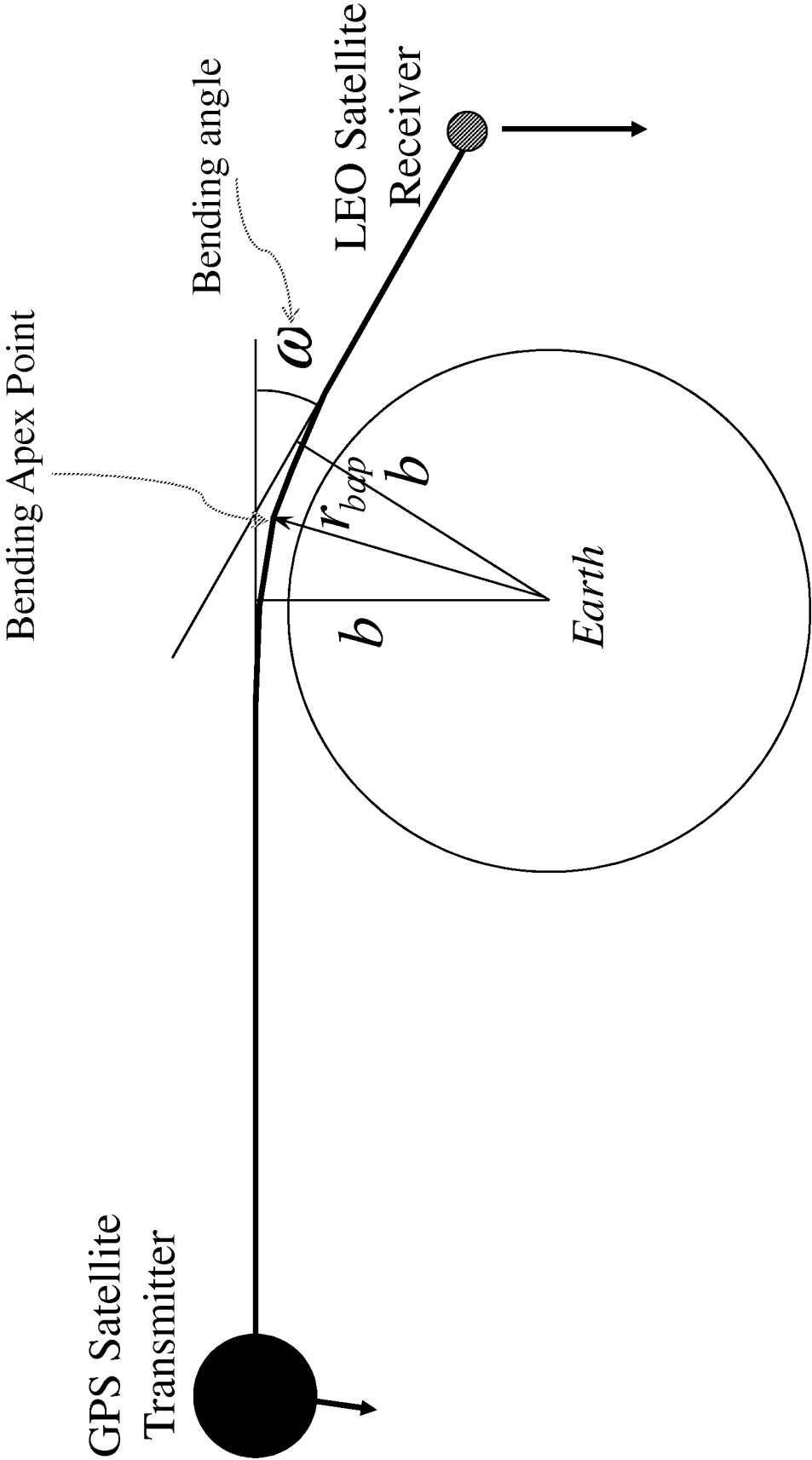


Figure 7

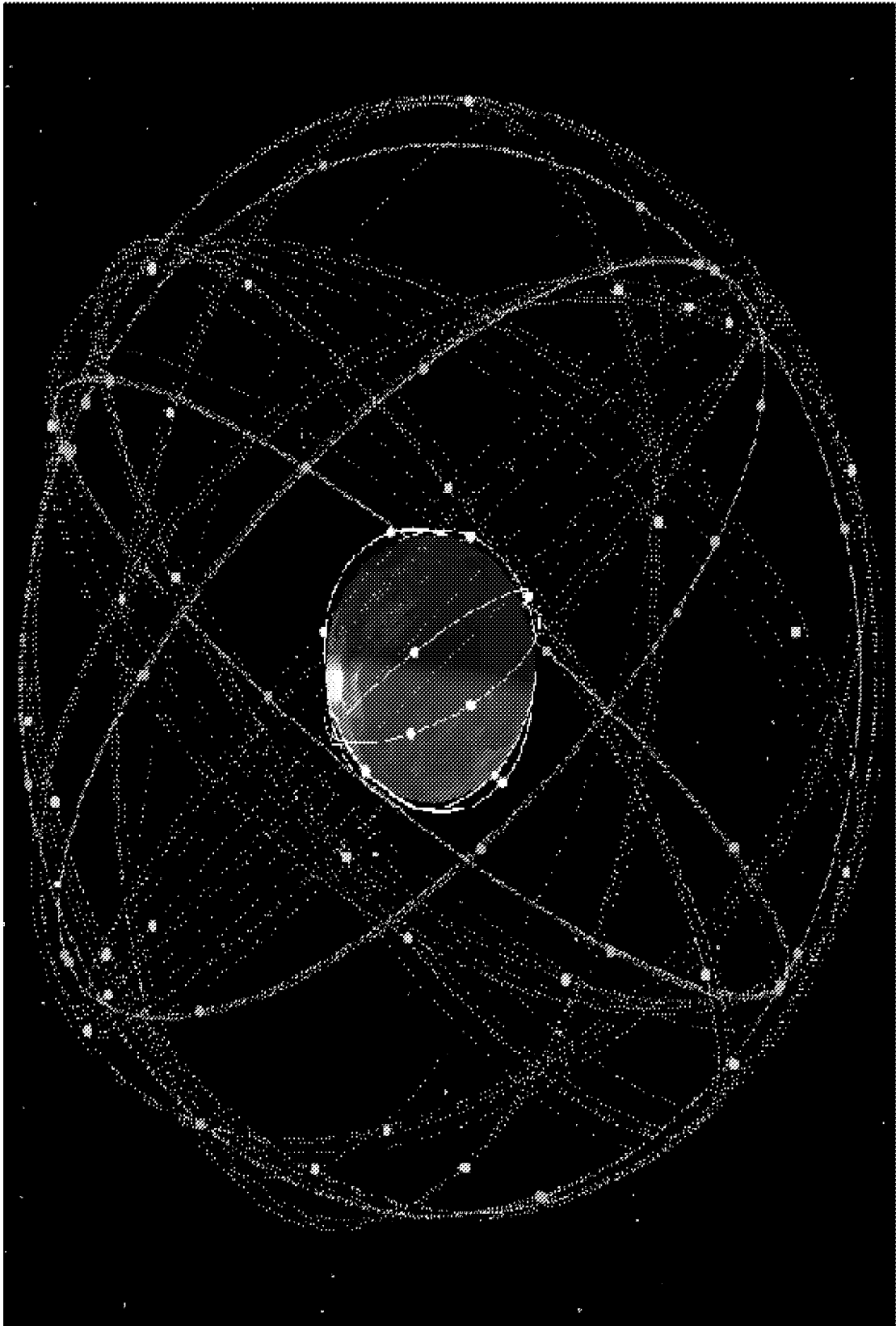


Figure 8

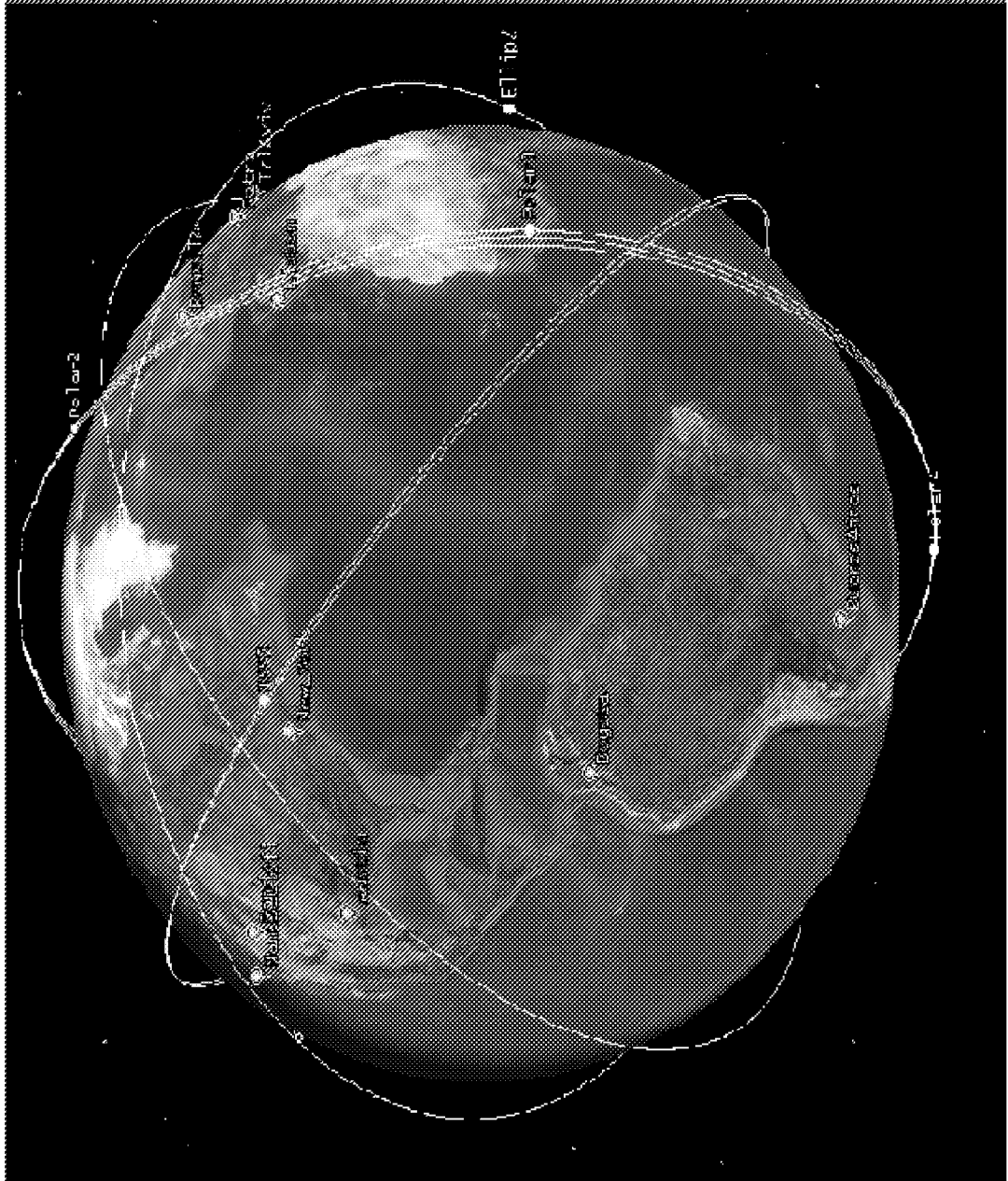
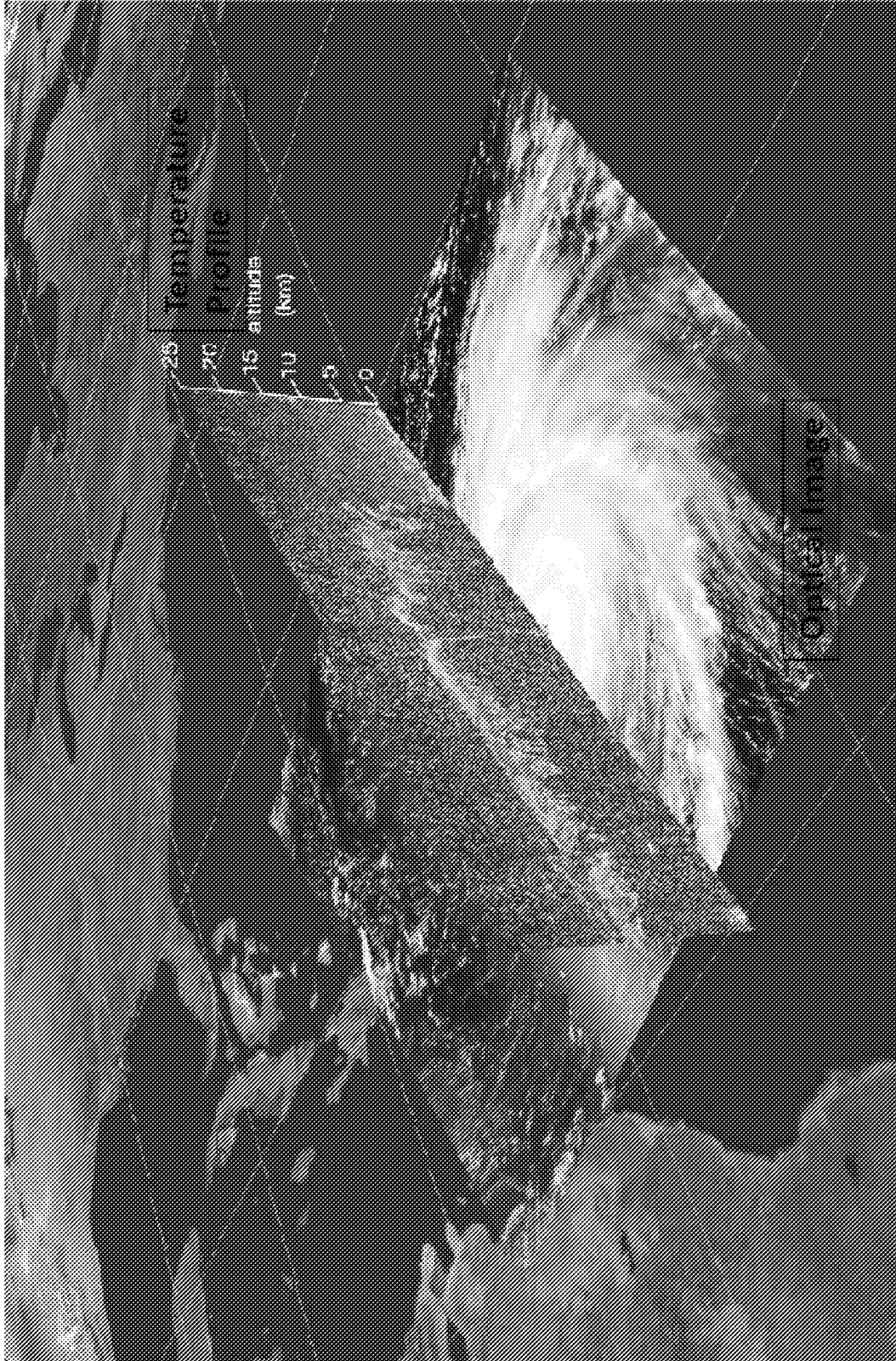


Figure 9



# Figure 10



Credit: NASA , Hurricane Bill 2009

Figure 11

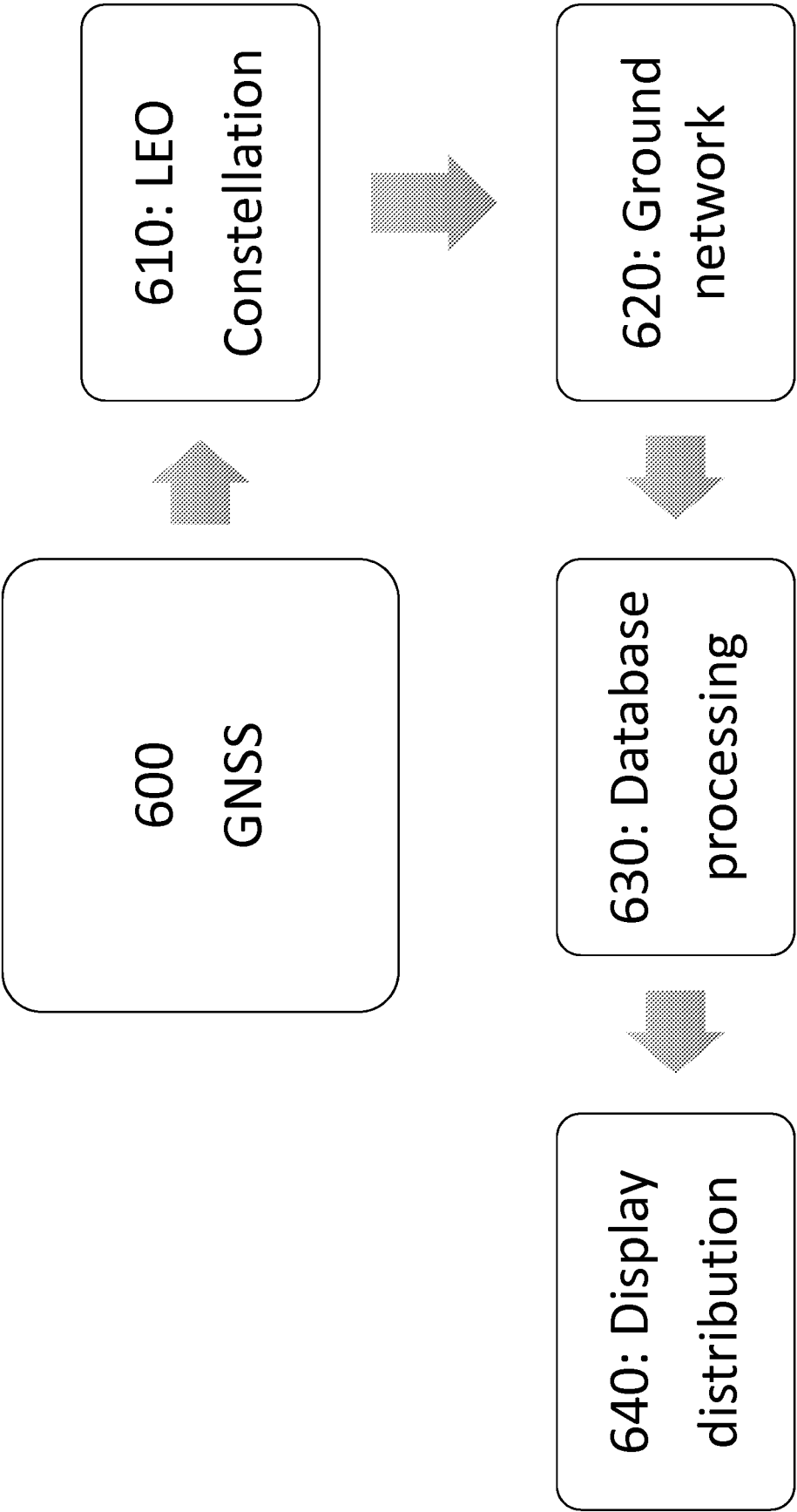


Figure 12

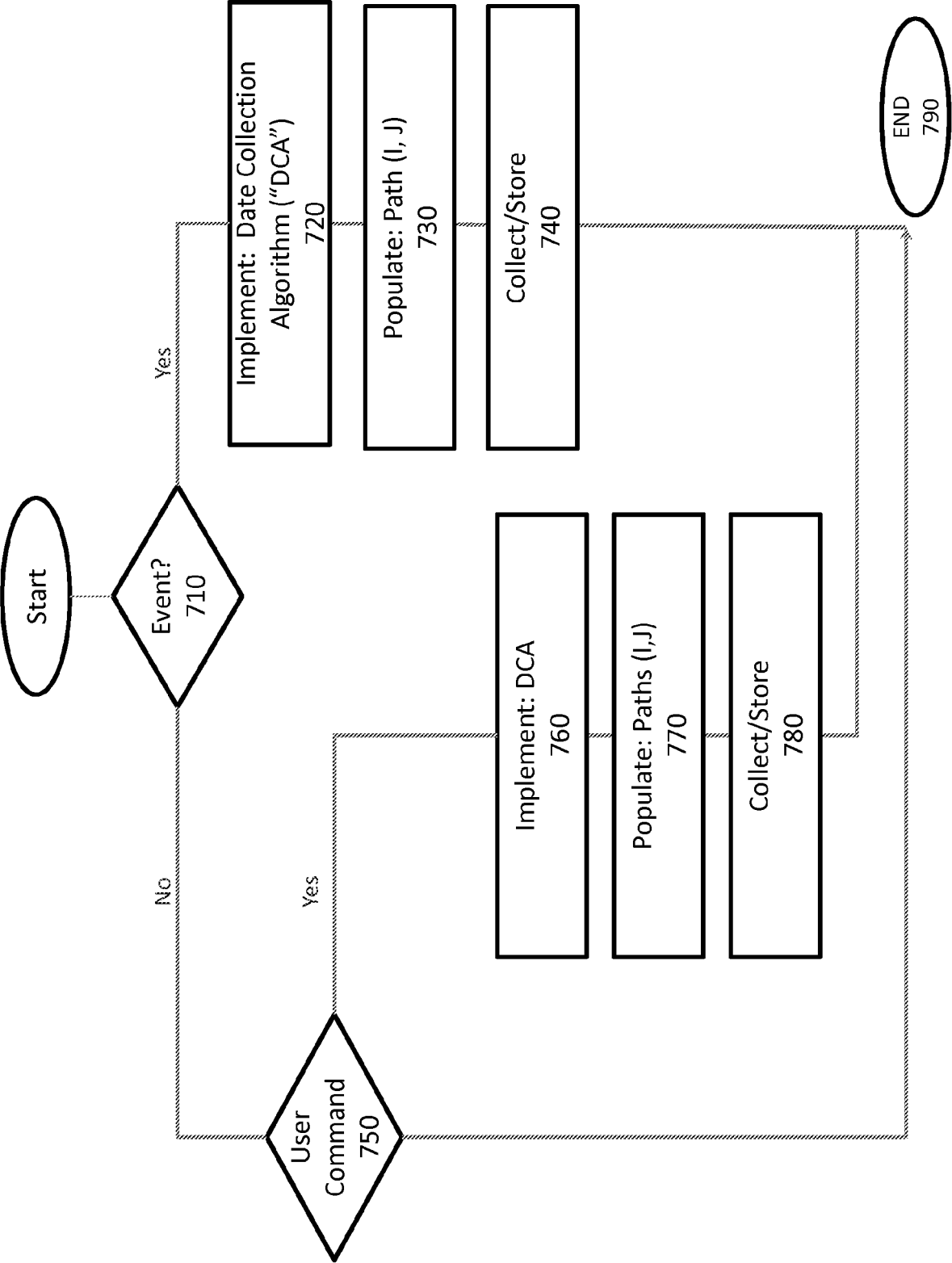


Figure 13

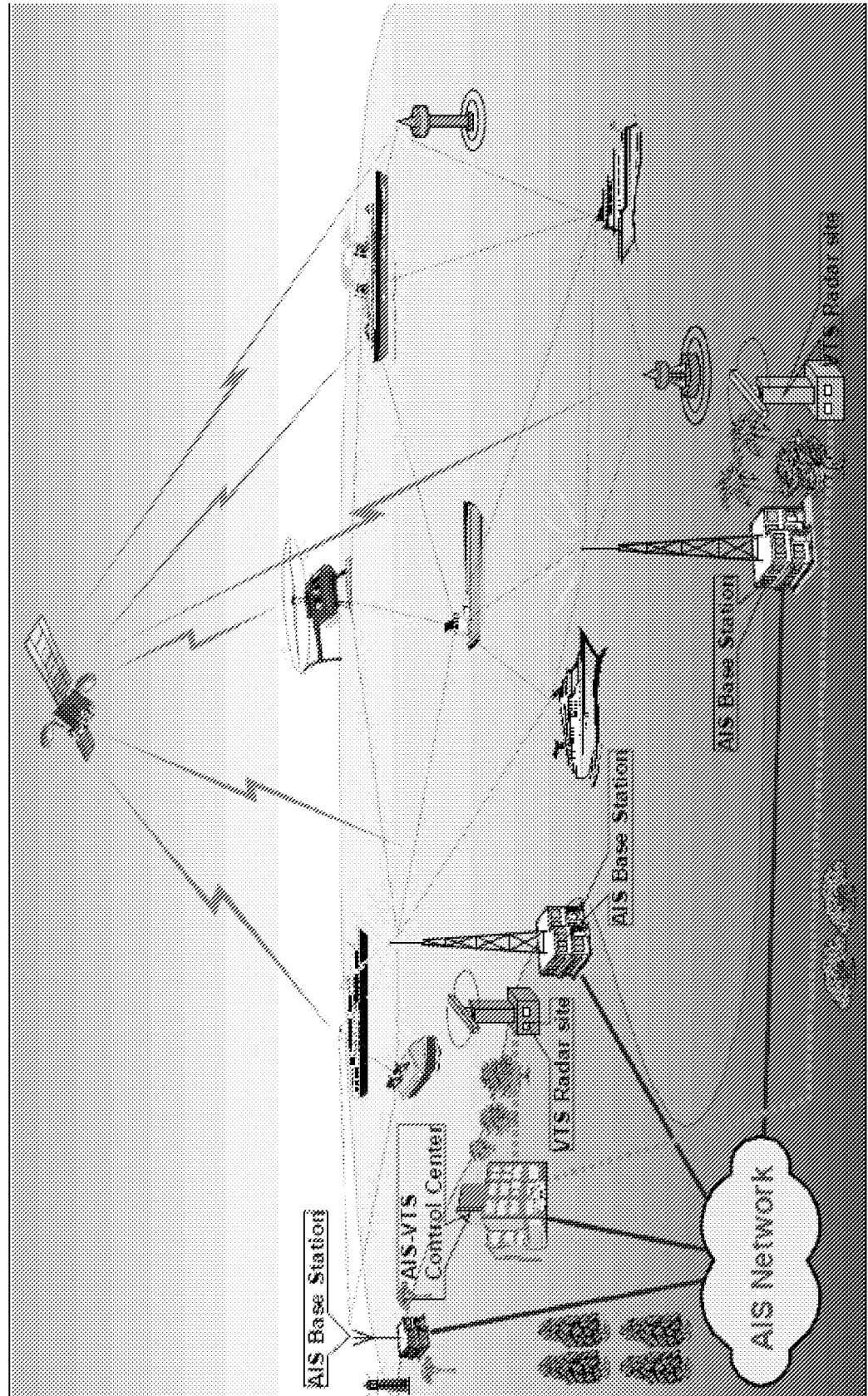


Figure 14

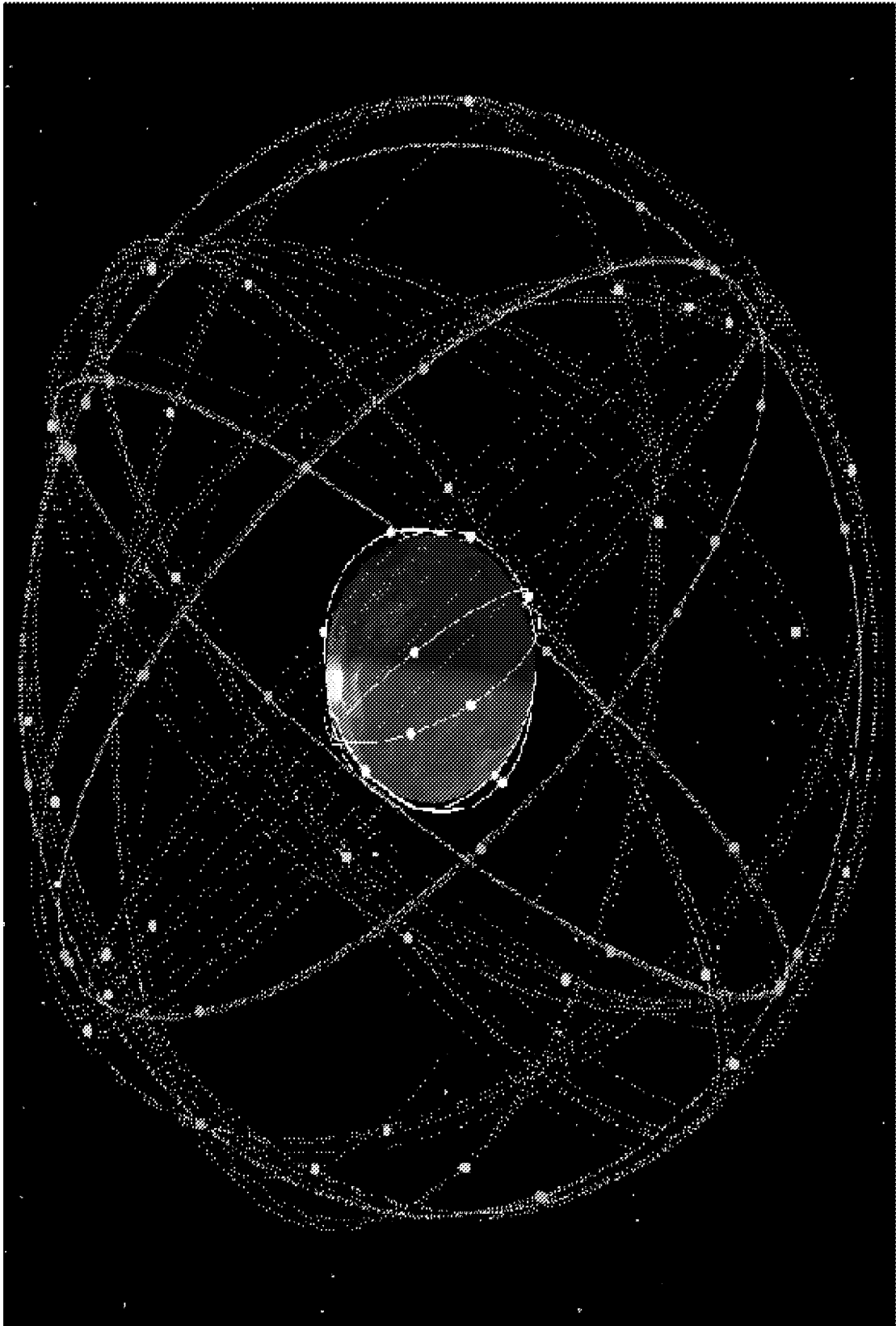
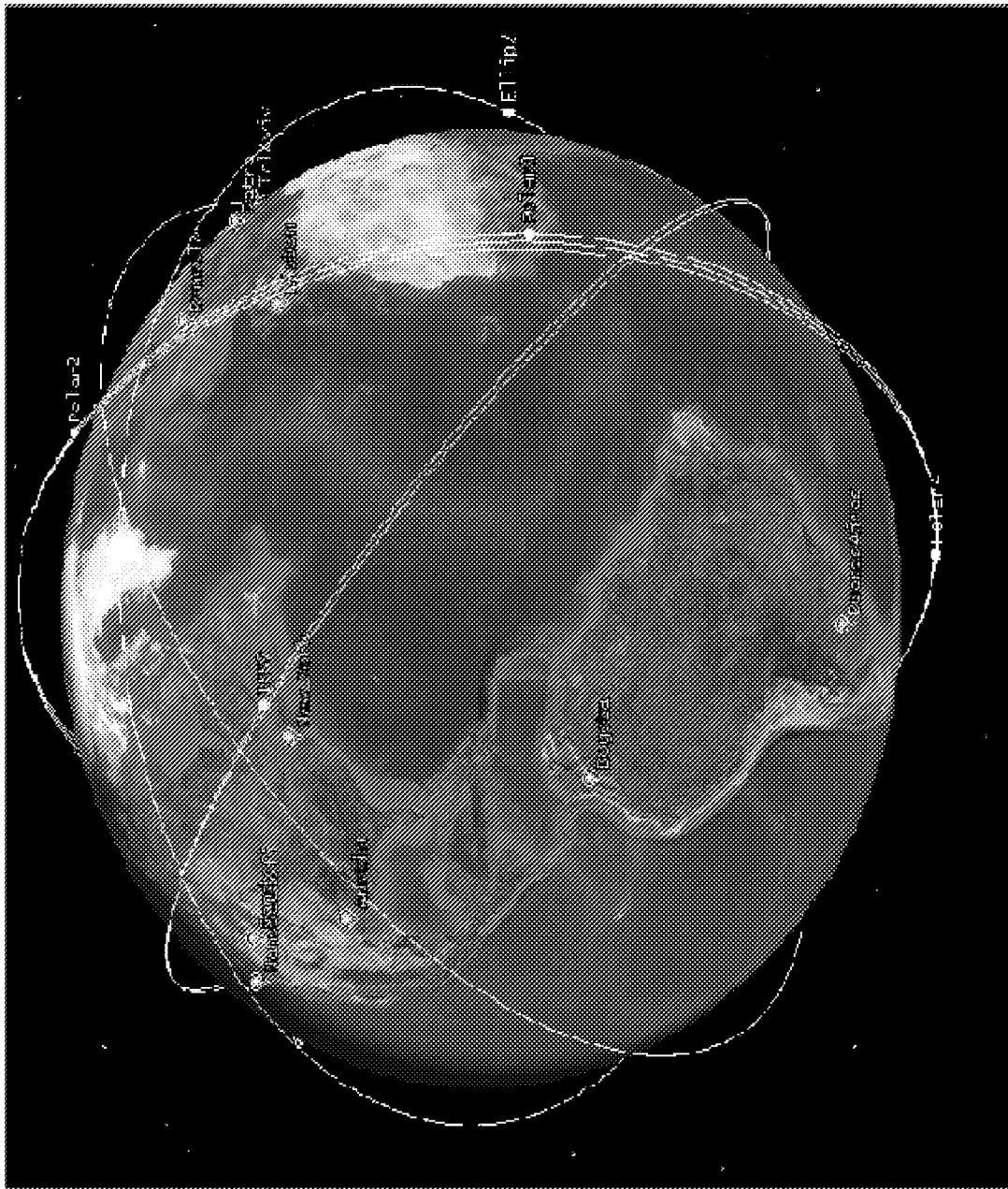
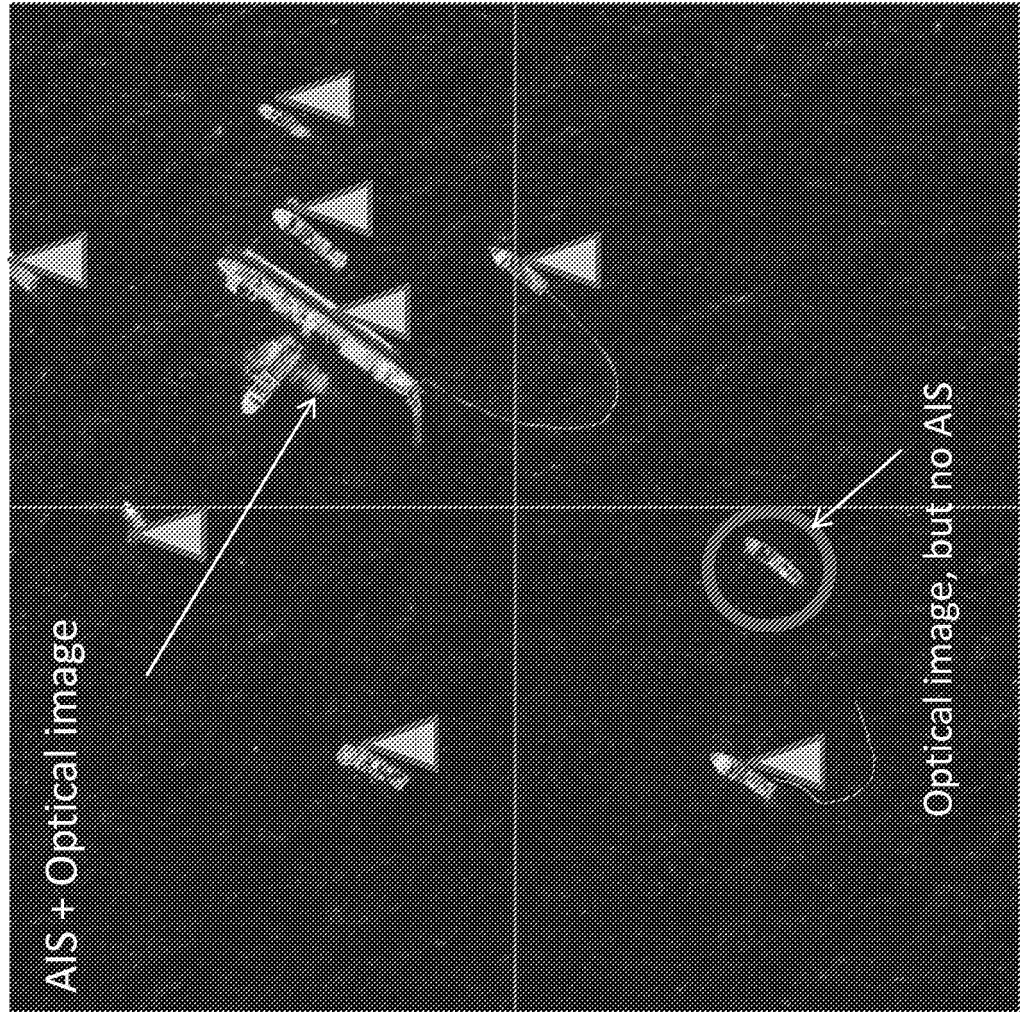


Figure 15



# Figure 16



**FIGURE 17**

|                                                                        |      |
|------------------------------------------------------------------------|------|
| Receiving at least one the identifying signals from the vehicles       | 1700 |
| Collecting image data of a region in which the vehicles are traveling  | 1702 |
| Acquiring a position of at least one of the vehicles in near real time | 1704 |
| Resolving collisions between multiple received signals                 | 1705 |
| Tracking at least one of the vehicles using the position data          | 1706 |
| Transmitting at least one of the signals or data to a ground station   | 1708 |
| Outputting the position data                                           | 1710 |

**FIGURE 18**

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| Analyzing the image data to identify vehicles in the region                 | 1800 |
| Matching the identification signal and image data identity for the vehicles | 1802 |
| Determining if a rogue vehicle is in the region                             | 1804 |