**Normal Execution Mode:**

Assume OSPRE software is already initialized and running.

1. GNC needs data to produce a solution so starts the process by sending a Capture Image Request message to Camera Controller and a Pointing Request to S/C
2. Camera Controller checks to see if it can capture an Image. It can so it grabs an image from the Camera.
3. Camera Controller sends this image to Image Processing as well as sending a data request message to the spacecraft with the time the image was captured
4. Image Processing Processes the image, destroys the image and sends the results to GNC
5. S/C sends a Data Message to S/C Comms -> GNC
6. GNC uses the S/C data and the Image data to compute a solution and forwards the message to S/C Comms -> S/C
7. WatchDog has been polling process health and sends and OSPRE status message to S/C Comms -> S/C which indicates solution validity