



# Webb To Do List\*

Use this handy check list to follow along with the Webb telescope's deployment on its journey 1 million miles from Earth. This is a summary\* of Webb's main activities before it's ready for the next phase of preparing its instruments for science. The order and timing are approximate and may change. The Webb deployment process involves hundreds of individual deployments, and is human-controlled.

|                          | Date         | Time since launch | Activity   |
|--------------------------|--------------|-------------------|--|
| <input type="checkbox"/> | Mon, 27 Dec  | 2 days            | Execute midcourse correction burn (MCC1 b)         |
| <input type="checkbox"/> | Tues, 28 Dec | 3 days            | Deploy forward sunshield pallet                    |
| <input type="checkbox"/> | Tues, 28 Dec | 3 days            | Deploy aft sunshield pallet                        |
| <input type="checkbox"/> | Wed, 29 Dec  | 4 days            | Lift deployable tower assembly                     |
| <input type="checkbox"/> | Thur, 30 Dec | 5 days            | Deploy aft momentum flap                           |
| <input type="checkbox"/> | Thur, 30 Dec | 5 days            | Release sunshield covers                           |
| <input type="checkbox"/> | Fri, 31 Dec  | 6 days            | Deploy sunshield mid-booms (port and starboard)    |
| <input type="checkbox"/> | Mon, 3 Jan   | 9 days            | Begin sunshield layer tensioning                   |
| <input type="checkbox"/> | Wed, 5 Jan   | 11 days           | Complete sunshield layer tensioning                |
| <input type="checkbox"/> | Sat, 8 Jan   | 14 days           | Deploy secondary mirror                            |
| <input type="checkbox"/> | Sun, 9 Jan   | 15 days           | Deploy aft Instrument Radiator                     |
| <input type="checkbox"/> | Mon, 10 Jan  | 16 days           | Deploy port primary mirror wing                    |
| <input type="checkbox"/> | Tues, 11 Jan | 17 days           | Deploy starboard primary mirror wing               |
| <input type="checkbox"/> | Tues, 11 Jan | 17 days           | Webb is fully deployed!                            |
| <input type="checkbox"/> | Tues, 11 Jan | 17-27 days        | Begin individual mirror segment movements          |
| <input type="checkbox"/> | Thur, 23 Jan | 29 days           | Midcourse correction burn (MCC2)/L2 insertion burn |
| <input type="checkbox"/> | Thur, 23 Jan | 29.5 days         | Orbit insertion complete!                          |

SOURCES:

<https://blogs.nasa.gov/webb/2021/12/24/key-milestones-after-liftoff/>  
<https://www.planetary.org/articles/jwst-first-images>

\* As of 3 January 2022