Tracy Young/NASA Launch Commentator: From the Atlas Spaceflight Operations Center at Cape Canaveral Air Force Station, this is Atlas Launch Control at T-minus two hours and holding.

The countdown for this morning's launch attempt of an Atlas V rocket is proceeding as planned. Weather is favorable with a 70 percent chance of acceptable conditions at launch time.

The temperature expected at launch time is 78 degrees and visibility will be about 7 miles. Our launch window extends for 20 minutes with liftoff targeted for the opening of the window at 4:05 a.m. Eastern time.

Launching aboard a United Launch Alliance Atlas V rocket are the Radiation Belt Storm Probes, or RBSP spacecraft. The identical twin spacecraft equipped with the suite of five science instruments will travel in and out of Earth's Van Allen Belts to enable scientist to further understand the sun's influence on Earth and how space weather can affect our daily lives.

The mission is part of NASA'S ?Living With A Star Program? managed by Goddard Spaceflight Center in Greenbelt, Maryland. The spacecraft were built by the Applied Physics Laboratory of John Hopkins University in Laurel Maryland.
The launch vehicle that will carry RBSP onto space consists of a single Atlas V first stage and Centaur upper stage and the two-piece payload fairing encasing the spacecraft onboard.

The Atlas V first stage is fueled by RP-1, a refined kerosene mixed with supercold liquid oxygen. The temperature of the liquid oxygen is about 297 degrees below F zero.

The RP-1 was loaded shortly after rollout on Wednesday, Aug. 28, at Space Launch Complex-41.

The Centaur upper stage uses liquid hydrogen oxygen mixed with liquid hydrogen for fuel.

In a few minutes the ULA Launch Conductor, Larry Crass, will perform a pre-task briefing to verify the readiness of the launch team to continue with the count.

Following the briefing you will hear ULA Launch Director Lou Maguire conduct a poll to proceed with the cryogenic loading of the Atlas First Stage and the Centaur upper stage.

At T-minus two hours and holding, this is Atlas Launch Control.