

# ***NOAA's Hurricane Hunter & Unmanned Aircraft System B-Roll***

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<b>Time Code</b>	<b>Description</b>
1:00:00:00	<b>NOAA WP-3D Orion (P3) aircraft, preflight preparation and crew briefing</b> <b>Location: NOAA Aircraft Operations Center, MacDill AFB, Tampa, FL</b> Credit: NOAA
1:01:04:00	<b>Flight and scientific operations aboard NOAA WP-3D Orion:</b> Storm: Hurricane Noel; Date: 11/2/07 Takeoff (night), pilots on flight deck, navigator, flight director, dropwindsonde operations, Hurricane Research Division (HRD) scientist communicating with Aerosonde flight control via text messaging, Other HRD scientists at station Credit: NOAA
1:04:43:00	<b>Animation: Aerosonde Unmanned Aircraft System (UAS) flies in hurricane</b> Credit: NASA
1:05:01:00	<b>Aerosonde prep and flight control</b> <b>Location: NASA Wallops Flight Facility</b> Aerosonde Unmanned Aircraft System (UAS) vehicle is prepared, fastened to base on top of car, release test is conducted, Aerosonde on moving car, engine of Aerosonde started, wide shot of UAS released from pickup truck, flight control personnel Credit: NASA
1:06:30:00	<b>Soundbite: Lieutenant Commander Mark Wilson, Flight Commander and Pilot, NOAA WP-3D Orion aircraft</b> Clip 1: Mission objective – to test the unmanned platform's abilities. Clip 2: Describes storm conditions during flight Credit: NOAA
1:07:10:00	<b>Soundbite: Lieutenant Commander Carl Newman, Pilot, NOAA WP-3D Orion aircraft</b> Clip 1: First-ever mission to ground-truth the Aerosonde's accuracy. Clip 2: The P3 as a flying meteorological station and measurements it takes. Clip 3: Economic and strategic value of Aerosonde and value of its data. Credit: NOAA
1:08:48:00	<b>Soundbite: Eric Uhlhorn, Research Meteorologist, Hurricane Research Division, Atlantic Oceanographic and Meteorological Laboratory (AOML)</b> Clip 1: How Aerosonde is launched and operated. Clip 2: How Aerosonde flies and measurements it takes. Clip 3: Aerosonde's measurements, unable to be taken via manned platform, will lead to better forecasts. Credit: NOAA

**Total Running Time = 10:35**