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From: Chirayath, Ved (ARC-SG)
Sent: Sun 9/25/2016 6:06:29 AM
Subject: Friday Flight Updates - Successful M600 flights, checkout and EPA Gas Sensor Mockup Payload

Hi All,
I am happy to share that we completed our M600 checkout flights and successfully tested the EPA mockup gas-sensor payload Friday at NASA Ames Roverscape. Thank you all for your assistance in helping achieve our test goals. Below, you can see a photo of the EPA mockup payload being flown on our M600 aircraft. Dave and I are all packed and on our way to Radford, VA Sunday morning for our deployment with the EPA and Army. We look forward to keeping you updated as the mission progresses.

To summarize, on Friday we completed the following tests:
1. Aircraft take-off, hover with GPS hold, landing, and motor kill operation.
2. Multiple autonomous waypoint navigation with manual pilot takeover.
3. Recording of detailed flight log.
4. Automated return to base (RTB) and automated landing capability.
5. Heaviest EPA payload flown with excellent stability and longer-than expected endurance.
6. Set minimum geofence level of 100m radius and observed aircraft on GCS within geofence bounds.
7. I certified Ric and Jonas as A3 pilots for these aircraft.
8. Manual landing gear override and automated landing gear function.

Note - Ric and Bob, I left the Roverscape keys and your handheld drill on my lab conference table.

Looking forward to working with you all in Radford shortly.

Best,

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