

Salinity Processes in the Upper Ocean Regional Study
NASA Jet Propulsion Laboratory
Video Transcripts

Video: Communicating With Floats

URL: <https://vimeo.com/59355904> [00:37]

Description

Jesse Anderson discusses how researchers are able to remotely modify the sampling strategies of ARGO floats.

Transcript

With these floats we are. They actually use Iridium telemetry. With that we get two-way communication with the floats. We'll have typical floats go every 10 days to make a profile at 2,000 meters. We can communicate with these ones and tell them, "No, we want you only to sample the upper 200 meters of the ocean at 2 ½ hour intervals." So that's how we've been able to look at some of the diurnal cycle stuff is by actually changing a mission of a float and kind of go up and down, up and down, up and down in the near surface layer for a couple weeks at a time. Then after that we communicate to it again, and it goes back down to a 1000 meters and continues on its normal cycle.