

**From:** Yanwu Zhang <yzhang@mbari.org>  
**Subject:** LRAUVs real-time data transmitted to shore in fall CANON.  
**Date:** September 15, 2014 10:07:59 AM PDT  
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Hi, Francisco and all,

After the latest CANON meeting discussion, I discussed with Brian regarding which data variables to transmit from LRAUVs to shore, and how frequently the LRAUVs will surface. Based on those discussions, our initial plan is as follows.

| Vehicle | Surfacing interval | Temperature | Salinity | Chlorophyll | Dissolved oxygen | Rhodamine |
|---------|--------------------|-------------|----------|-------------|------------------|-----------|
| Tethys  | ~1 hour            | x           | x        | x           | x                | x         |
| Makai   | ~12 hours (TBD)    | x           | x        | x           | ?                | x         |
| Daphne  | 2~6 hours (TBD)    | x           | x        | x           | x                |           |

x: Planned to send to shore.

?: Do we really need it?

Question:

Makai's surfacing interval is long (~12 hours), so that the accumulated data size will be big. To reduce Makai's time at surface, which data variables can we cross out? Do we really need DO2?

Duane: We hope the above table has basically answered your question about what real-time data from which vehicle. If you have any more questions, please let us know. Thank you.

Thank you very much and talk to you soon,

Yanwu

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