

National Marine Facilities – Sea Systems

ERVO Meeting
Copenhagen, Denmark
13th – 15th May 2009



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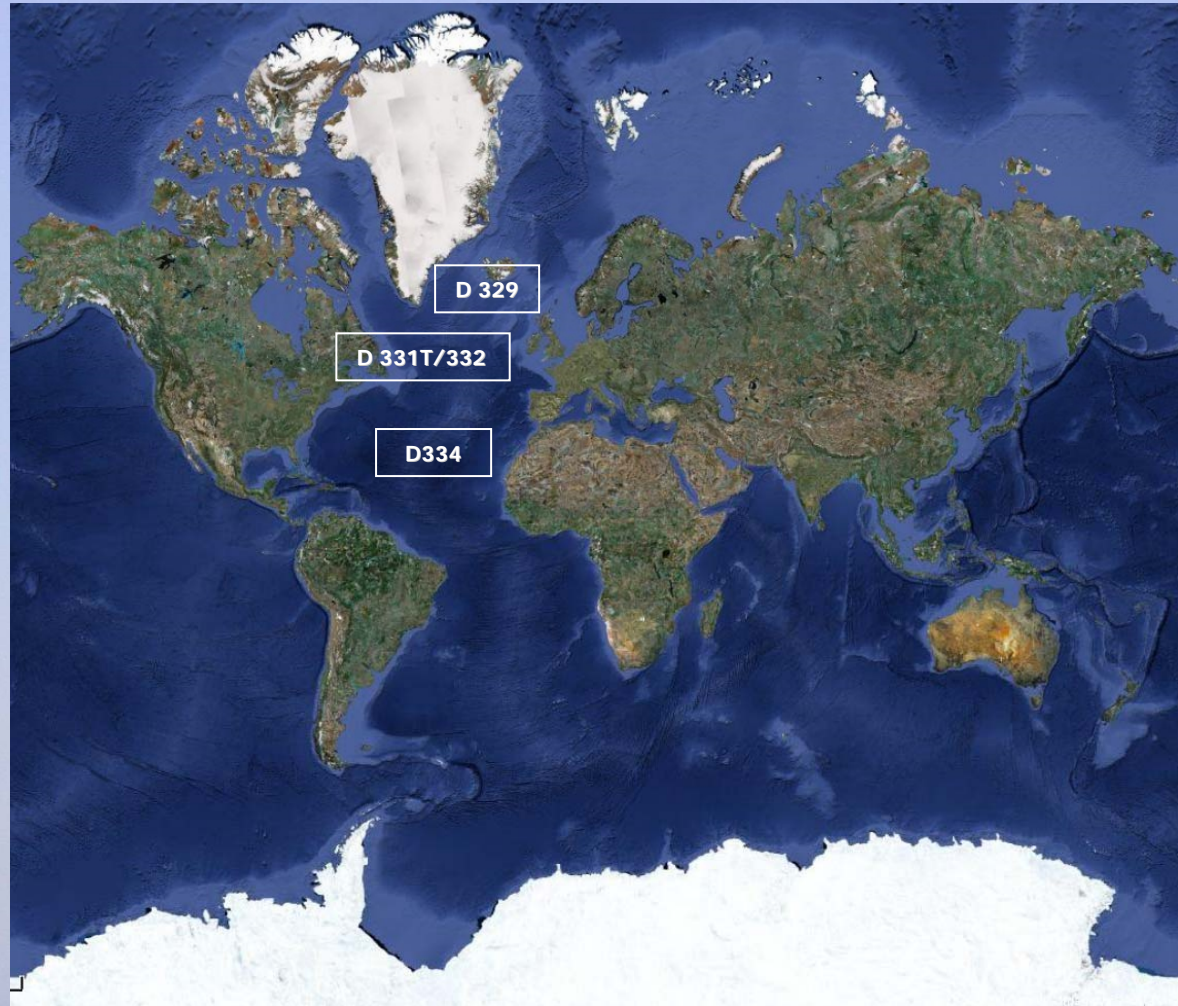
Past Year 'High/Lowlights'

- RRS Discovery Problems-
 - Main Motor
 - Winch Suite
 - Steelwork
 - 5 months in yards in total
- RRS James Cook
 - First full year of operations
- Discovery Replacement
 - To be named 'Discovery'
 - One tender received
 - £/Euro exchange rate 'challenges'
 - Project currently in limbo
- UK/Germany 'Super Barter'
 - JC023 E. Pacific
 - 2008 SO198-1 & SO198-2 Sumatra
 - 2009 SO200-1 & SO200-2
- NERC Ship Management Review
 - WP1 Vessel Demand Review
 - WP2 Vessel Scheduling
 - WP3 Managing the period until Discovery replacement
 - WP4 Managing long term ship operations



NERC Programme 2008

- *RRS Discovery*
 - Refit
 - Motor Breakdown
 - N. Atlantic (RAPID)

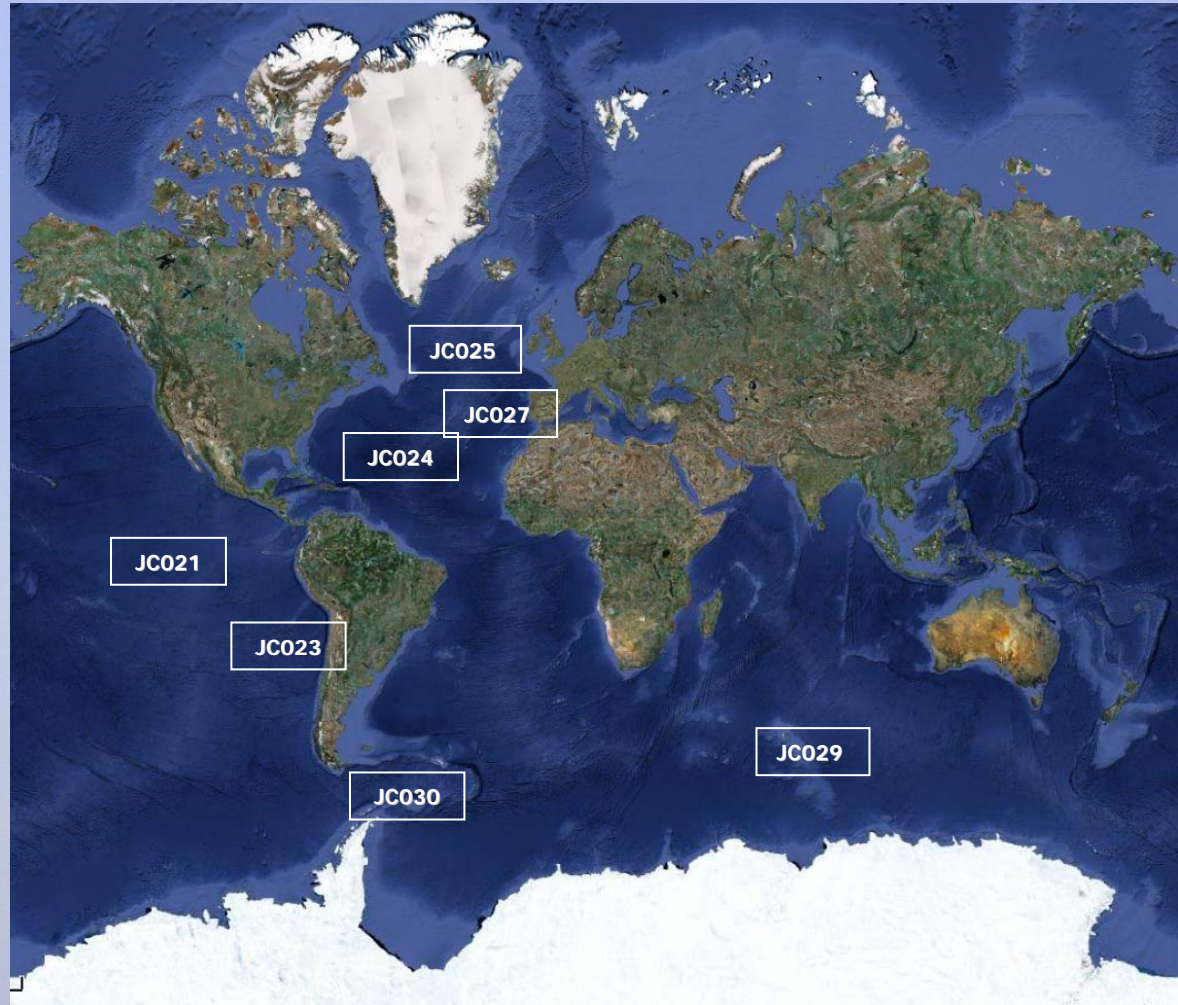


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NERC Programme 2008

- *RRS James Cook*
 - E. Pacific
 - MAR
 - E. Atlantic
 - Indian Ocean
 - S. Atlantic

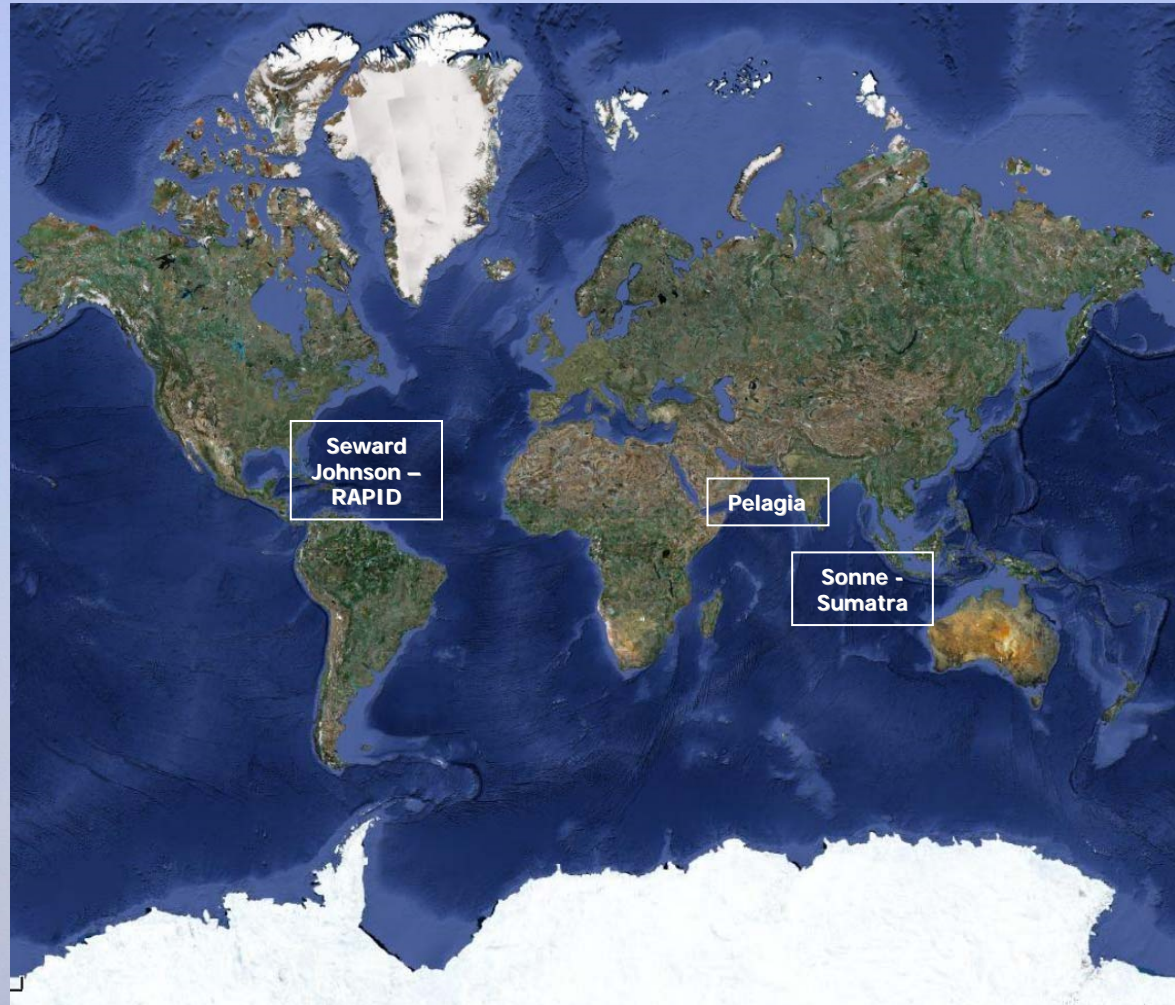


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NERC Programme 2008

- *RV Sonne*
 - *Sumatra*
- *RV Seward Johnson*
 - *RAPID*
- *RV Pelagia*
 - *Indian Ocean*

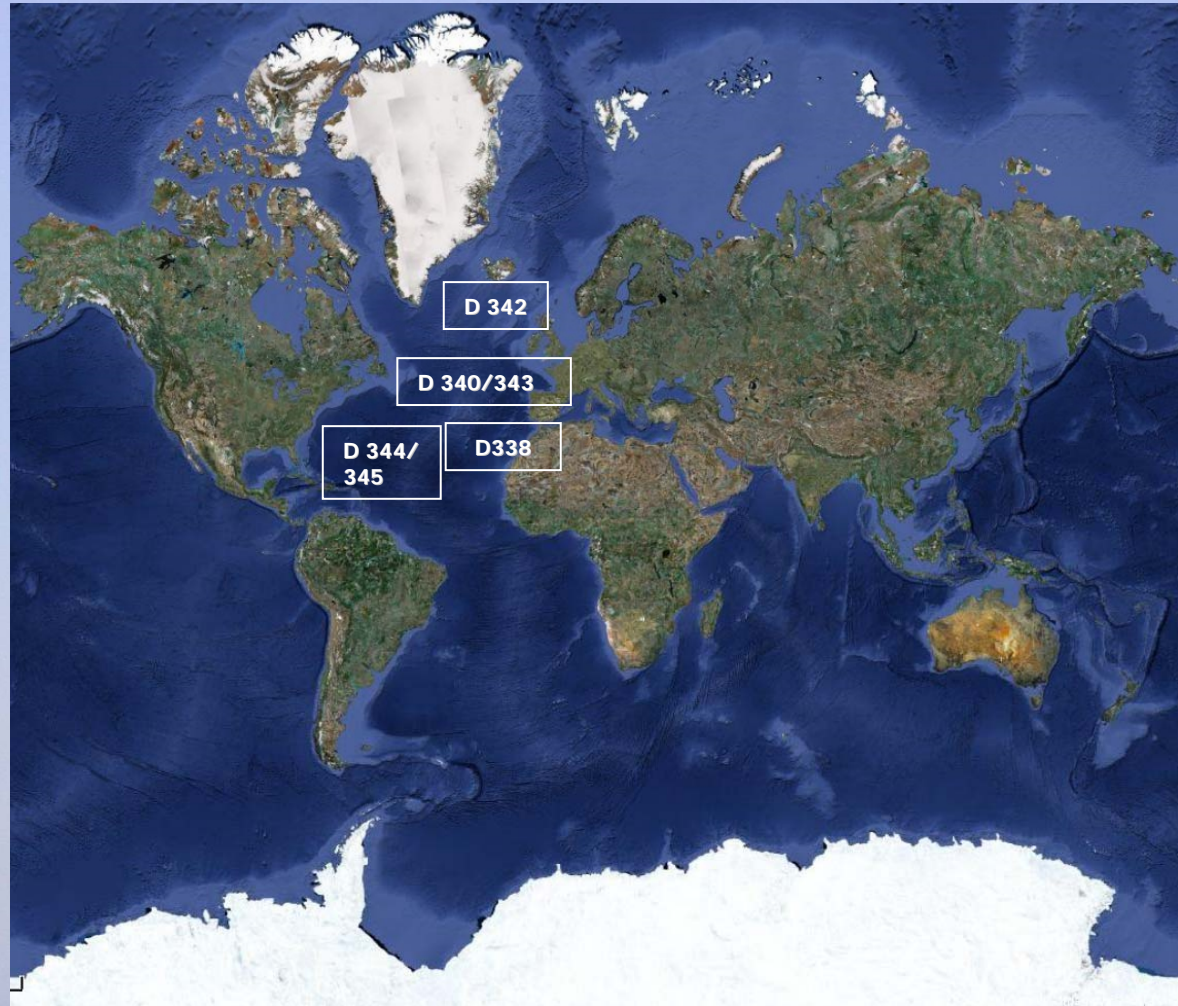


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NERC Programme 2009

- *RRS Discovery*
 - Refit
 - Mauritius Coast
 - NE. Atlantic
 - RAPID

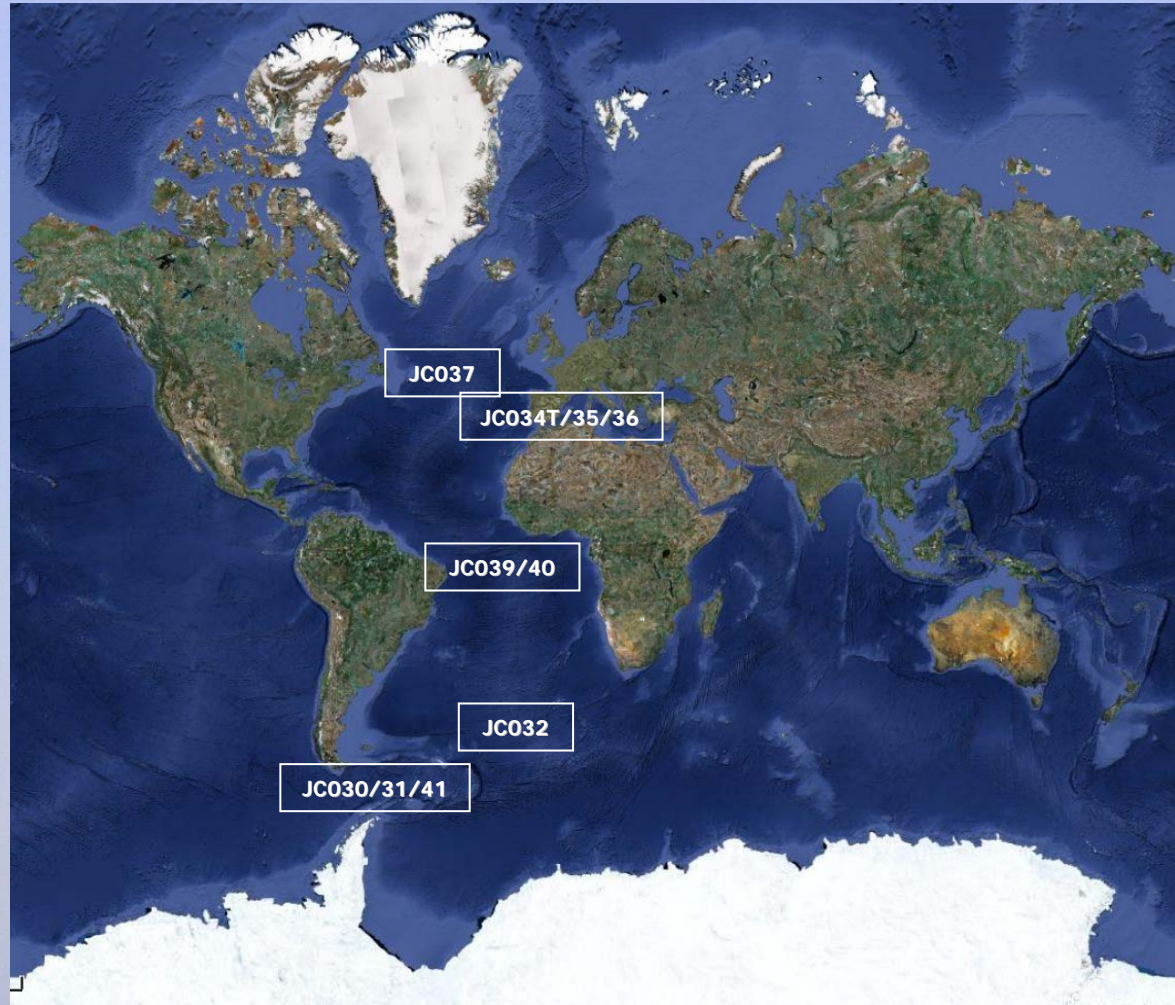


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NERC Programme 2009

- *RRS James Cook*
 - S. Atlantic
 - E. Atlantic (Canyons)
 - MAR
 - Atlantic Meridonal Transect
 - S. Atlantic



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NERC Programme 2009

- *RV Sonne* (200/1 & 200/2)
 - *Sumatra*
- *RV Nathaniel B. Palmer*
 - *Autosub under Ice*
- *RV Ron Brown*
 - *RAPID*



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Discovery Replacement Project



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RRS Discovery Replacement – Outline

- 50 days endurance
- Scientific Transit Speed – 12 knots max
- 23 Officers & Crew
- 28 Scientists & Technicians
- DP Capable (DP2) SS6/7
- Multidisciplinary
- Multibeam(s) & Sub Bottom profiler
- Minimal Ice Class – for hull life (Lloyds 1D)
- Overside/overstern lifting - 20tonnes
- Drop Keels
- Low URN but not as low as James Cook
- Propulsion – 2 x Azimuthing Units Aft
Azimuthing Thruster Fwd,
Manoeuvring Thruster Fwd



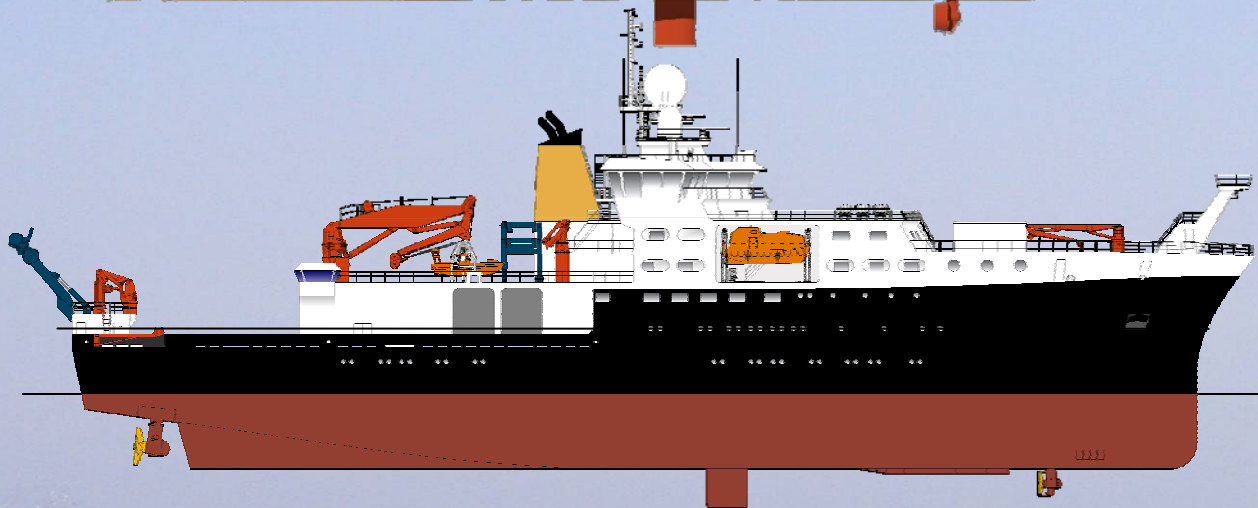
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James Cook & new Discovery Compared

Compared to James Cook, intention for the new Discovery to have:

- Longer length
- Narrower beam
- Deeper draft



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Timescales

- ✓ Tender Clarification / Evaluation Oct – Dec 08
- ✓ Preferred Bidder Status Decision – Dec 08
- x **Funding Award confirmation from DIUS (LFCF) – TBC**
- ✓ Contract Negotiation Plan – Dec 08 to March 09
- ✓ Gateway 3 “Investment Decision”. February 09
- x **Project Dormant – March 09**

http://www.noc.soton.ac.uk/nmf/discovery_replacement_project/d4rpintroduction.html



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Thanks



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