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R/V Melville 2005 FINAL Schedule

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10/12 - Adjusted departure day, moved port day from front end of Lyle cruise to unloading days. Moved one day from Tivey Suva stop prior to transit from Papeete to allow sufficient time for Jason onload and Easter Holiday. Made Lau Basin port changes.

11/15 - Remove NOAA's DART cruise. Add Nicholson cruise.

2/1 - shift Nicholson cruise one day later....

2/10-shift Nicholson later and end port in Seattle.

6/13- departed one day late on Childress' cruise due to injury of Jason pilot while in Suva.

6/20- Added a cruise for Constable in August.

6/30- adjusted Childress' early arrive, and shifted port day in Honolulu

9/16- add 3 days for NOAA-DART tsunami mooring repair and installation.

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| CRUISE DATES | MAP INDEX/AREA/PURPOSE | P.I./INSTITUTION/PROPOSAL NO. | PORTS     | DAYS/AGENCY/STATUS/CLEARANCE |
|--------------|------------------------|-------------------------------|-----------|------------------------------|
| 31 DEC       | NP12/Off Hawaii/       | <u>Laske, G.</u> /SIO/        | San Diego | 27/NSF/F                     |
| 25 JAN       | OBS deployment         | OCE 0002470                   | Honolulu  |                              |
| 26, 27       |                        |                               |           |                              |

Intermediate port stop in Hilo on 7 Jan.;

Total transit San Diego via Hilo to station, ending in Honolulu is 8.4 days (assumes transit speed of 11.75 kts)

science days 17.0

port days 2.0

arr/depart 1.0 (compensate for 8 hrs lost on day 1; and 16 hrs on arrival day)

28.4 days (round to 28 days)

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|        |                |             |          |          |
|--------|----------------|-------------|----------|----------|
| 28 JAN | SP1/to Tahiti/ | transit/na/ | Honolulu | 10/NSF/F |
| 06 FEB | transit        | ODP         | Papeete  |          |

2381 nm/282 (11.8 kts)= 8.4 days plus arr/dep= 10 days.

This allows for fueling on the day of departure.

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|            |                        |                            |         |           |
|------------|------------------------|----------------------------|---------|-----------|
| 7,8        |                        |                            |         |           |
| 09 FEB     | SP5/22S-50S, 144W-162/ | <u>Lyle, M.</u> /Boise SU/ | Papeete | 46/NSF/F  |
| 21 MAR     | MCS, piston cores      | OCE/ODP 0240906            | Papeete | Fr.       |
| 22, 23, 24 |                        |                            |         | Polynesia |

35 days of sci.

5 port,

1.5 arr/dep  
plus transit 4;  
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25

26 MAR SP4// transit/n.a./ Papeete 8/NSF/F  
02 APR transit n.a. Nuku'alofa  
1468 nm; 5.2 transit days, 1.5 arr/dep, 1 port=8 days.  
cross date line, lose one day  
on-load JASON II,  
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3, 4

05 APR SP2/Lau Basin/ [Tivey, M./WHOI/](#) Nuku'alofa 40/NSF/F  
11 MAY JASON II, MOCNESS,CTD OCE 0241796 Suva Tonga,  
12 Fiji  
32 science, 5 port, 1.5 arr/dep  
plus one day of DSL engineering tests on 5 Apr.  
Intermediate port stop in Nuku'alofa on arrive 8th May Tonga 0800-1600???  
depart 9th May Tonga before sunset (6:13 pm)  
416 nm from Nuku'alofa to Suva.  
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13,14

15 MAY SP1/Lau Basin/ [Vrijenhoek, R./](#) Suva 21/NSF/F  
02 JUN Biology, JASON II MBARI/OCE 0241613 at Sea Tonga,  
Fiji  
18 sci plus arr/depart 1.5 plus 4 port (Vrijenhoek/VanDover combo)  
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03 JUN SP6/2days at Fiji, 1 [Van Dover, C./Wm a at sea](#) 3/NSF/F  
03 JUN day at Lau/Jason II nd Mar/OCE 0350554 Suva Tonga,  
4,5 Fiji  
add on to the Vrijenhoek  
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6,7,8

09 JUN SP1/Lau Basin/ [Childress, J./](#) Suva 25/NSF/F  
29 JUN JASON II UCSB/OCE 0240982 Suva Tonga,  
30 Fiji

01 JUL NP9// transit/n.a./ Suva 14/NSF/F  
11 JUL transit n.a. Honolulu  
12,13  
2776 nm  
cross date line, gain a day; moved one port from Suva to Honolulu to unload  
Jason, etc.  
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14

15 JUL NP12/Hawaiian Islands/ [Karl, D./UH/](#) Honolulu 7/NSF/F  
19 JUL HOTS OCE 0326616 Honolulu  
20  
Note: USCG inspection scheduled 19-23 July in Honolulu  
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21,22

23 JUL NP12/Off Hawaii/ [Weller, R./WHOI/](#) Honolulu 10/NOAA/F  
30 JUL Mooring deployment NOAA Honolulu  
2 mobe days, 8 science days, 1 de-mobe day. Surface mooring.  
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31 JUL NP9/North Pacific/ [transit](#)/NOAA/ Honolulu 9/NOAA/F  
 08 AUG transit NOAA San Diego  
 transit to be paid by NOAA for cancellation of DART cruise.

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10 AUG NP9/Off San Diego/ [Constable, S.](#)/SIO/ San Diego 2/STATE/F  
 11 AUG Testing Marine EM tran DO San Diego  
 .680 coax required; Plan to install FLIP winch with 4 km of 0.680

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19 AUG NP9/Santa Barb. Basin/ [Nicholson, C.](#)/ San Diego 8.5/NSF/F  
 30 AUG Climate History, pisto UCSB/OCE 0350573 Seattle  
 NP9/transit to Seattl/ n.a./n.a./ 3.5/NOAA/F  
 to position for Hickey n.a.

Personnel transfer outside Santa Barbara 26 August.

NSF to pay for 30% of the transit

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31,1  
 02 SEP NP9/47-49W,1214-127W/ [Hickey, B.](#)/UW/ Seattle 23/NOAA/F  
 22 SEP ECOHAB NOAA Seattle Canada  
 21 sci, 2 port

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23 SEP NP9// transit/n.a./ Seattle 5/NOAA/F  
 30 SEP transit NOAA San Diego  
 NP9/Off Oregon and CA/ [McArthur, S.](#)/ 3/NOAA/F  
 DART Mooring NOAA-NDBC/NOAA

Depart Seattle when loading is complete. To arrive by noon in San Diego.

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01 OCT NP9/off San Diego/ [Franks, P.](#)/SIO/ San Diego 1/STATE/F  
 01 OCT student training UC Ship Funds San Diego  
 02 OCT NP9/San Diego Trough/ [Levin, L.](#)/SIO/ San Diego 1/STATE/F  
 02 OCT class training UC Ship Funds San Diego

| Agency | Funded | Proposed | TOTAL |
|--------|--------|----------|-------|
| NOAA   | 53.5   | 0.0      | 53.5  |
| NSF    | 209.5  | 0.0      | 209.5 |
| STATE  | 4.0    | 0.0      | 4.0   |
| TOTAL  | 267.0  | 0.0      | 267.0 |