R/V Robert_Gordon_Sproul 2007 FINAL Schedule

1/9- Moved Collins/Hildebrand cruise to coordinate with Dickey cruise
1/10- added Hildebrand days to other Dickey transits; changed K. Brown days to non-op for use in 2008
1/25- Added Kaufmann
1/30- Added Davis cruise-funded by Ohman/LTER
2/6- Checkly cruise moved from unschedule into March
2/7- move 1 unscheduled Babcock day to February. Advance sail date for Ohman/Regier
2/13- Added 3 ONR days for Bishop in June.
2/13 Converted one unscheduled day for Terrill for a 1-day March trip.
2/23 Add 4 days for ONR/Pinkel
3/9 delayed Terrill cruise in March
3/14- Add Weingart May cruise
3/16-Delay Edgcomb cruise to September and reduce by one day.
3/19- Added incline studies pier side at MarFac in April
3/20- Added Gillcrist July cruise
3/20- Moved Weingart cruise up one day
3/20- add SPAWAR- Dorrance cruise in April
3/27- Added D'Spain cruisesm (May Glider & June AUV)
4/2- Moved Dorrance cruise into May and added a recovery cruise in August. Incline test moved to May.
4/4-scheduled previously unscheduled D'Spain/Zimmerman cruises.
4/9- Weigard cruise cancelled may reschedule later, advance June/July D'Spain/Zimmerman a week earlier.
5/27-moved Zimmerman/D'Spain one day earlier
5/14- One day cruises in June/July/August have been scheduled for Babcock out of his unscheduled time.
6/4- extended D'Spain days on Sproul-
6/5- Added one day in October for Gillcrist; Adjusted Babcock August cruise.
6/19- Gruber remaining 3 days have been moved to 2008, pending NSF approval.
6/29- Adjusted D'Spain June cruise for later departure; Moved Collins/Hildebrand July cruise to dates TBD
7/3- Postponed Dorrance July cruise; adjusted D'Spain, added Norris link.
7/10- Added Noble cruise, added transits to Keyport for Plusnet operations.
7/16- Delay 2 August Babcock cruise until further notice
7/18 added a 2 days for Xu/USGS for 1 in September
7/20-August 17th cruise-inserted an intermediate San Diego port stop for D'Spain due to PM visit.
7/23- Adjustments make to Gillcrist cruises in Oct/Nov.
added N. Wilson student cruise in Dec, moved Dickey Oct to Dec.
8/9-added E. Henderson, G. Chavez UC funded cruise, various adjustments to Oct/Nov.
Combined Gillcrist October cruise with Hildebrand at San Clemente Island.
8/28- Adjusted D'Spain Aug. 28th Cruise. Moved one day into non-op to be carried forward into 2008 upon ONR approval.
9/4- delayed D'Spain cruise by one day. Adjusted arrival date to 9/9
9/6- adjusted Plusnet departure date and reduced science days
9/24/25- Adjusted D'Spain- Working off San Diego instead of Dabob Bay
10/4-Adjusted D'Spain-Working off Dabob Bay instead of San Diego
10/11- extended the Hildebrand/Henderon Oct. cruise.
10/18-Cancelled Gilchrist Nov cruise, added D'Spain in the same slot.
10/29- Increased D'Spain Nov. cruise by 2 days. Postponed Dorrance cruise into Spring 2008.
11/26- Changed Terrill unscheduled time to a one day cruise on 12/14, plus converted 4 remaining days to 2008 carry-forward (pending ONR approval).
11/26- Converted Babcock all unscheduled days to non-op. and no need for carry forward, except for one day that may be used week of 17 December.
11/27- Scheduled Babcock for a two day cruise in December, remaining 8 days will be removed off books (no carry forward). Changed Terrill's Dec. 14th cruise to dates-to-be-determined.
11/30 Put two days back on the books for Babcock-6 days to be given back to NSF.
Carried forward 5 ONR days to 2008 for Terrill; increased Noble cruise to 4 days.
12/17- Postponed Chavez Cruise

<table>
<thead>
<tr>
<th>CRUISE</th>
<th>MAP INDEX/AREA/</th>
<th>PURPOSE</th>
<th>P.I./INSTITUTION/</th>
<th>PORTS</th>
<th>STATUS/</th>
<th>DATES</th>
<th>PROPOSAL NO.</th>
<th>CLEARANCE</th>
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<td>10 JAN</td>
<td>NP9/Off San Diego/</td>
<td>Constable, S./SIO/ San Diego</td>
<td>1/PRV/F</td>
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<td>Index #</td>
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<td>17 JAN</td>
<td>NP9/Off Santa Barbara/</td>
<td>Dickey, T./UCSB/ San Diego</td>
<td>3/NSF/F</td>
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<td></td>
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<tr>
<td>20 JAN</td>
<td>Mooring deployment</td>
<td>OCE0338434</td>
<td>San Diego</td>
<td>1/Other/F</td>
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<tr>
<td></td>
<td>NP9/SCORE Range, St. / Collins/Hildebrand/</td>
<td>Recover/Deploy SCORE/H NFS/SIO/na</td>
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</table>
Intermediate port- Port Hueneme 18 January.

08 FEB NP9/Off Channel Ohman, M./SIO/ San Diego 1/NSF/F
09 FEB Island/glider recovery OCE0417616 San Pedro
Chief scientist Lloyd Regier
Funding day transferred from New Horizon/LTER

10 FEB NP9/Off LA/ Gruber, N./UCLA/ San Pedro 2/NSF/F
11 FEB mooring recovery EAR0404405 San Diego
Embark Marina del Rey
Disembark San Pedro 2/10
coordinate with Davis cruise.

27 FEB NP9/Off San Diego/ Babcock, J./SIO/ San Diego 1/NSF/F
27 FEB OBS testing OCE-0453971 San Diego
Load 26th PM.
approx 50nm offshore 300-400m deep.

12 MAR NP9/off San Diego/ Pinkel, R./SIO/ San Diego 2/NAVY/F
14 MAR Rapid deployment CTD t N000 San Diego
Load 9 March as well the morning of the 12th.

23 MAR NP9/Off San Diego/ Checkley, D./SIO/ San Diego 1/NSF/F
24 MAR SOLOPC Equipment testi OCE 0321167 San Diego

26 MAR NP9/Off San Diego/ Terrill, E./UCSD/S San Diego 1/NAVY/F
26 MAR testing and mooring de I/N00014-03-1-0746 San Diego

2 04 MAY NP9/Mission Bay/ Dorrance, G./ San Diego 1/Other/F
04 MAY SeaLancet SBIR Phase I SFANAR/PO San Diego

3 Paul Frederickson- NPS

08 MAY NP9/off San Diego/ Collins/Hildebrand/ San Diego 1/Other/F
11 MAY NP9/Off Santa Barbara/ NPS/SIO/NA Port Huenem
transit/Dickey/ 1/NSF/F
NP9/Off Santa Barbara/ transit/Dickey/ 1/NSF/F
transit to Port Huenem UCSB/OCE0338434
Ride on transit to Port Hueneme, part of transit charged to other NSF projects (Dickey, Gruber)

11 MAY NP9/Off Santa Barbara/ Dickey, T./UCSB/ Port Huenem 1/NSF/F
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Team/Program</th>
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<tr>
<td>12 MAY</td>
<td>Mooring turnaround</td>
<td>OCE0338434</td>
<td>Port Huenem</td>
<td>1/NSF/F</td>
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<tr>
<td></td>
<td>NP9/between Santa Bar/</td>
<td></td>
<td></td>
<td>Transit/Dickey/</td>
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<tr>
<td></td>
<td>transit to Fish Harbor</td>
<td></td>
<td>UCSB/OCE0338434</td>
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<tr>
<td></td>
<td>Transit from San Diego part of the Collins/Hildebrand cruise</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>12 MAY</td>
<td>NP9/Off LA/</td>
<td>Gruber, N./UCLA/</td>
<td>Fish Harbor</td>
<td>1/NSF/F</td>
</tr>
<tr>
<td>13 MAY</td>
<td>mooring recovery</td>
<td>EAR0404405</td>
<td>San Diego</td>
<td>Disembark in Fish Harbor, LA. Includes transit to San Diego</td>
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<tr>
<td>14 MAY</td>
<td>NP9/Pt. Loma/</td>
<td>Klein, M./SIO/</td>
<td>San Diego</td>
<td>0(Non-Op)/</td>
</tr>
<tr>
<td>18 MAY</td>
<td>incline studies pier s n.a</td>
<td></td>
<td>San Diego</td>
<td>Other/F</td>
</tr>
<tr>
<td>21 MAY</td>
<td>NP9/off San Diego/</td>
<td>D'Spain, G./SIO/</td>
<td>San Diego</td>
<td>2/NAVY/F</td>
</tr>
<tr>
<td>23 MAY</td>
<td>Eng tests X-ray glider</td>
<td>N00014-05-G-0106</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>06 JUN</td>
<td>NP9/Off San Diego- 32/</td>
<td>Babcock, J./SIO/</td>
<td>San Diego</td>
<td>1/NSF/F</td>
</tr>
<tr>
<td>06 JUN</td>
<td>OBS testing- 7-8 OBS i</td>
<td>OCE-0453971</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>18 JUN</td>
<td>NP9/San Clemente</td>
<td>Bishop, J./Lawrenc</td>
<td>San Diego</td>
<td>3/NAVY/F</td>
</tr>
<tr>
<td>22 JUN</td>
<td>B/Carbon Flux Explorer e Berkele/NOPP/ONR</td>
<td></td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>01 JUL</td>
<td>NP9/off San Diego/</td>
<td>D'Spain, G./SIO/</td>
<td>San Diego</td>
<td>3/NAVY/F</td>
</tr>
<tr>
<td>03 JUL</td>
<td>Prop Driven AUV Eng. t</td>
<td>N00014-05-G-0106</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td></td>
<td>June22: Load (after Bishop off load)</td>
<td></td>
<td>San Diego</td>
<td></td>
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<tr>
<td></td>
<td>June 23, 24: Setup on ship</td>
<td></td>
<td>San Diego</td>
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<tr>
<td></td>
<td>June 25, 26, 27: Pier side testing</td>
<td></td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td></td>
<td>June 28 - July 3: At sea</td>
<td></td>
<td>San Diego</td>
<td></td>
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<tr>
<td></td>
<td>Offload: TBD (whenever we can get crane service after the 4th)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>07 JUL</td>
<td>NP9/Off San Diego/</td>
<td>Norris, R./SIO/</td>
<td>San Diego</td>
<td>1/STATE/F</td>
</tr>
<tr>
<td>07 JUL</td>
<td>IGRET Class cruise</td>
<td>UC Ship Funds</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>10 JUL</td>
<td>NP9/Off San Diego/</td>
<td>Babcock, J./SIO/</td>
<td>San Diego</td>
<td>1/NSF/F</td>
</tr>
<tr>
<td>11 JUL</td>
<td>OBS testing</td>
<td>OCE-0453971</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>15 JUL</td>
<td>NP9/31N, 120W/</td>
<td>Sessions, A./CIT/</td>
<td>San Diego</td>
<td>6/NSF/F</td>
</tr>
<tr>
<td>21 JUL</td>
<td>in situ pump/CTD</td>
<td>OCE0550816</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 JUL</td>
<td>NP9/seafloor survey/</td>
<td>Gillcrist, M./</td>
<td>San Diego</td>
<td>3/NAVY/F</td>
</tr>
<tr>
<td>26 JUL</td>
<td>6 nm off Pt. Loma</td>
<td>SPAWAR/PO</td>
<td>San Diego</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>8 hours required for loading;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/24 return eve to drop majority of sci. party. Back out of eve. survey;</td>
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<tr>
<td></td>
<td>7/25 am pick up sci. party at Marfac pier.</td>
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</tbody>
</table>
May return back evening of 25 and 26 for personnel dropoff/pickup.

15, 16
19 AUG NP9/off San Diego/ D'Spain, G./SIO/ San Diego 2/NAVY/F
20 AUG XRAY glider N00014-05-G-0106 San Diego
XRAY underwater glider engineering tests.
Equipment will stay on board for following cruise.

22 AUG NP9/off San Diego/ D'Spain, G./SIO/ San Diego 3/NAVY/F
24 AUG XRAY glider N00014-05-G-0106 San Diego
25, 26
XRAY underwater.
Glider engineering tests.

28 AUG NP9/off San Diego/ D'Spain, G./SIO/ San Diego 4/NAVY/F
31 AUG XRAY glider N00014-05-G-0106 San Diego
XRAY underwater
Glider engineering tests

04 SEP NP9/off San Diego/ D'Spain, G./SIO/ San Diego 2/NAVY/F
05 SEP Eng tests X-ray glider N00014-05-G-0106 San Diego
XRAY underwater
Glider engineering tests
In port with gear on board 1-3 September.
Offload AM 10 September
Intermediate stop in SD late on the 4th.

07 SEP NP9/off San Diego/ D'Spain, G./SIO/ San Diego 3/NAVY/F
09 SEP Eng tests X-ray glider N00014-05-G-0106 San Diego
XRAY underwater
Glider engineering tests
In port with gear on board 1-3 September.
Offload AM 10 September

10
11 SEP NP9/Off Pt. Hueneme/Ma Xu, J./USGS/ San Diego 2/USGS/F
13 SEP gu /Mooring deployment USGS San Diego
Load PM on the 10th and
AM on the 11th.
Depart on the 11th to arrive at station at first light on the 12th.

14
15 SEP  NP9/Off San Diego/  Edgcomb, V. /WHOI/  San Diego  5/NSF/F
20 SEP  Box & multi corer, CTD  MCB0604084  San Diego
Reduced total by one day.
----------
22 SEP  NP9/off San Diego/  Kaufmann, R. /USD/  San Diego  1/PRV/F
23 SEP  class cruise  P.O.  San Diego
27 SEP  NP9/Off San Diego/  D'Spain/SIO/  San Diego  2/NAVY/F
28 SEP  PLUSNET  ONR  San Diego
02 OCT  NP9/Dabob Bay/  D'Spain, G./SIO/  San Diego  7/NAVY/F
08 OCT  transit to Keyport  N00014-05-G-0106  Keyport, WA
09 OCT  NP9/Dabob Bay/  D'Spain/SIO/  Keyport, WA  3/NAVY/F
11 OCT  Multiship PLUSNET Ops  ONR  Keyport, WA
One day cruises out of Dabob Bay.
----------
12 OCT  NP9/Dabob Bay/  D'Spain/SIO/  Keyport, WA  6/NAVY/F
18 OCT  transit to San Diego  ONR  San Diego
South transit at 9.0 kts  5d 20h
----------
19
21 OCT  NP9/San Clemente Is./  Hildebrand/Henderson/  San Diego  6/NAVY/F
27 OCT  equipment tests  N00014-07-WX-20374  San Diego
27
Hildebrand is away for this cruise.
----------
05 NOV  NP9/34N, 120W/  Chadwell, C.D./  San Diego  3/Other/F
08 NOV  Testing  SIO/2007-1206 B.P. San Diego
0900 departure/arrival
----------
09 NOV  NP9/Off So. Cal./  Henderson, E./SIO/  San Diego  2/STATE/F
11 NOV  Acoustics/MMO w/FLIP  UC Ship Funds  San Diego
Need to sail when FLIP is out.
Sean Wiggins will be Chief Sci.  Henderson will be onboard FLIP.
Depart 1800, arrive 11 November before 1800.
----------
13 NOV  NP9/off San Diego/  D'Spain, G./SIO/  San Diego  5/NAVY/F
18 NOV  XRAY glider  N00014-05-G-0106  San Diego
19
load 13 Nov.  Depart eve
XRAY underwater
Glider engineering tests
26
27 NOV NP9/Cortes Ridge/ Wilson, N./SIO/ San Diego 4/STATE/F
01 DEC boxcoring, dredging UC Ship Funds San Diego 1

3
03 DEC NP9/Palos Verdes Noble, M./USGS/ San Diego 3/USGS/F
06 DEC She/Mooring deployment EPA San Diego
10 DEC NP9/Off Santa Barbara/ Dickey, T./UCSB/ San Diego 2/NSF/F
11 DEC Mooring recovery
Intermediate port- Port Huenene
OCE0338434 Port Huenem
Frank Spada will be CS

12 DEC NP9/off San Diego/ Hildebrand, J./ Port Huenem 1/Other/F
13 DEC Sean Wiggins to be designated chief scientist
0800 Arrive MarFac

15 DEC NP9/Off San Diego/ Babcock, J./SIO/ San Diego 4/NSF/F
18 DEC OBS testing OCE-0453971 San Diego
Work off Camp Pendleton and Santa Margarita River Outflow area

<table>
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<tr>
<th>Agency</th>
<th>Funded</th>
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<tr>
<td>TOTAL</td>
<td>109.0</td>
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