

| Project Name                                   | Employee                  | Labor Category                 | Total Budgeted Hours |
|------------------------------------------------|---------------------------|--------------------------------|----------------------|
| 200103 - Core CTD Data -MDUC                   | Rienecker, Erich - 0262   | DMO-Marine Ops Tech            | 1020                 |
| 200103 - Core CTD Data -MDUC                   | Fitzgerald, Eric - 0845   | DMO-Shore/Admin Support        | 40                   |
| 200103 - Core CTD Data -MDUC                   | Schramm, Richard - 0173   | ENG-Software Eng-Info Eng      | 344                  |
| 200103 - Core CTD Data -MDUC                   | Peltzer, Edward - 0264    | SCI-Research Specialist        | 74                   |
| 200103 - Core CTD Data -MDUC                   | Ryan, John - 0307         | SCI-Research Specialist        | 24                   |
| 200103 - Core CTD Data -MDUC                   | Michisaki, Reiko - 0284   | SCI-Research Tech              | 16                   |
| <b>200103 - Core CTD Data -MDUC Total</b>      |                           |                                | 1518                 |
| 200105 - Core Nav - MDUC                       | Risi, Michael - 0444      | ENG-Software Engineer-Embedded | 120                  |
| 200105 - Core Nav - MDUC                       | Schramm, Richard - 0173   | ENG-Software Eng-Info Eng      | 282                  |
| 200105 - Core Nav - MDUC                       | Anderson, Krystle - 0869  | ITD-Admin Support              | 30                   |
| <b>200105 - Core Nav - MDUC Total</b>          |                           |                                | 432                  |
| 200109 - Core Mooring Data                     | McCann, Michael - 0335    | ENG-Software Eng-Info Eng      | 120                  |
| 200109 - Core Mooring Data                     | Bahr, Frederick - 0805    | SCI-Research Specialist        | 200                  |
| <b>200109 - Core Mooring Data Total</b>        |                           |                                | 320                  |
| 300057 - Mooring Maint                         | Conway, Michael - 0290    | DMO-Marine Ops Tech            | 50                   |
| 300057 - Mooring Maint                         | French, David - 0336      | DMO-Marine Ops Tech            | 20                   |
| 300057 - Mooring Maint                         | Rienecker, Erich - 0262   | DMO-Marine Ops Tech            | 50                   |
| 300057 - Mooring Maint                         | Figurski, Jared - 0909    | DMO-Observatory Support        | 1000                 |
| 300057 - Mooring Maint                         | Fitzgerald, Eric - 0845   | DMO-Shore/Admin Support        | 20                   |
| 300057 - Mooring Maint                         | Okuda, Craig - 0203       | ENG-Electrical Engineer        | 120                  |
| 300057 - Mooring Maint                         | Coenen, Paul - 0491       | ENG-Electrical Tech            | 5                    |
| 300057 - Mooring Maint                         | Montgomery, James - 0754  | ENG-Electrical Tech            | 25                   |
| 300057 - Mooring Maint                         | Allen, Jerry - 0667       | ENG-Machinist                  | 100                  |
| 300057 - Mooring Maint                         | Gomes, Kevin - 0502       | ENG-Software Eng-Info Eng      | 36                   |
| 300057 - Mooring Maint                         | Schramm, Richard - 0173   | ENG-Software Eng-Info Eng      | 96                   |
| <b>300057 - Mooring Maint Total</b>            |                           |                                | 1522                 |
| 300058 - DMO Spprt-WF -LABOR ONLY              | TBD (ENG-Machinist)       | ENG-Machinist                  | 40                   |
| 300058 - DMO Spprt-WF -LABOR ONLY              | Cazenave, Francois - 0735 | ENG-Mechanical Engineer        | 40                   |
| 300058 - DMO Spprt-WF -LABOR ONLY              | TBD (ENG-Mechanical Tech) | ENG-Mechanical Tech            | 140                  |
| 300058 - DMO Spprt-WF -LABOR ONLY              | Schramm, Richard - 0173   | ENG-Software Eng-Info Eng      | 40                   |
| <b>300058 - DMO Spprt-WF -LABOR ONLY Total</b> |                           |                                | 260                  |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | Allen, Jerry - 0667       | ENG-Machinist                  | 5                    |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | New Hire (ENG-Machinist)  | ENG-Machinist                  | 5                    |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | TBD (ENG-Machinist)       | ENG-Machinist                  | 5                    |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | Thompson, Ford - 0534     | ENG-Machinist                  | 5                    |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | Tynes, Mark - 0885        | ENG-Machinist                  | 5                    |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | Cazenave, Francois - 0735 | ENG-Mechanical Engineer        | 30                   |
| 300060 - DMO Sppt-Pargn LABOR ONLY             | Bird, Larry - 0204        | ENG-Mechanical Eng-Mfg         | 40                   |

| Project Name                                    | Employee                             | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|--------------------------------------|--------------------------------|----------------------|
| 300060 - DMO Sppt-Pargn LABOR ONLY              | Ferreira, John - 0263                | ENG-Mechanical Tech            | 25                   |
| 300060 - DMO Sppt-Pargn LABOR ONLY              | Flores, Frank - 0461                 | ENG-Mechanical Tech            | 25                   |
| <b>300060 - DMO Sppt-Pargn LABOR ONLY Total</b> |                                      |                                | <b>145</b>           |
| 300062 - DMO Spprt-DR -LABOR ONLY               | TBD (ENG-Machinist)                  | ENG-Machinist                  | 100                  |
| 300062 - DMO Spprt-DR -LABOR ONLY               | TBD (ENG-Mechanical Engineer)        | ENG-Mechanical Engineer        | 40                   |
| 300062 - DMO Spprt-DR -LABOR ONLY               | TBD (ENG-Mechanical Tech)            | ENG-Mechanical Tech            | 70                   |
| 300062 - DMO Spprt-DR -LABOR ONLY               | TBD (ENG-Software Engineer-Embedded) | ENG-Software Engineer-Embedded | 60                   |
| 300062 - DMO Spprt-DR -LABOR ONLY               | Schramm, Richard - 0173              | ENG-Software Eng-Info Eng      | 40                   |
| <b>300062 - DMO Spprt-DR -LABOR ONLY Total</b>  |                                      |                                | <b>310</b>           |
| 300070 - DMO Spprt- V - LABOR ONLY              | McGill, Paul - 0331                  | ENG-Electrical Engineer        | 20                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Okuda, Craig - 0203                  | ENG-Electrical Engineer        | 20                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | TBD (ENG-Electrical Tech)            | ENG-Electrical Tech            | 40                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | TBD (ENG-Machinist)                  | ENG-Machinist                  | 80                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Erickson, Jon - 0191                 | ENG-Mechanical Engineer        | 40                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Bird, Larry - 0204                   | ENG-Mechanical Eng-Mfg         | 20                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Graves, Dale - 0334                  | ENG-Mechanical Eng-Mfg         | 20                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Ferreira, John - 0263                | ENG-Mechanical Tech            | 40                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Flores, Frank - 0461                 | ENG-Mechanical Tech            | 40                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Cline, Danelle - 0267                | ENG-Software Eng-Info Eng      | 40                   |
| 300070 - DMO Spprt- V - LABOR ONLY              | Schramm, Richard - 0173              | ENG-Software Eng-Info Eng      | 80                   |
| <b>300070 - DMO Spprt- V - LABOR ONLY Total</b> |                                      |                                | <b>440</b>           |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | Coenen, Paul - 0491                  | ENG-Electrical Tech            | 40                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | TBD (ENG-Electrical Tech)            | ENG-Electrical Tech            | 260                  |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | TBD (ENG-Machinist)                  | ENG-Machinist                  | 60                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | Erickson, Jon - 0191                 | ENG-Mechanical Engineer        | 20                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | Hamilton, John - 0542                | ENG-Mechanical Engineer        | 20                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | Pargett, Douglas - 0691              | ENG-Mechanical Engineer        | 80                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | Bird, Larry - 0204                   | ENG-Mechanical Eng-Mfg         | 80                   |
| 300078 - DMO Spprt- AUV-LABOR ONLY              | TBD (ENG-Mechanical Tech)            | ENG-Mechanical Tech            | 75                   |
| <b>300078 - DMO Spprt- AUV-LABOR ONLY Total</b> |                                      |                                | <b>635</b>           |
| 300079 - DMO Spprt-RC - LABOR ONLY              | Okuda, Craig - 0203                  | ENG-Electrical Engineer        | 120                  |
| 300079 - DMO Spprt-RC - LABOR ONLY              | TBD (ENG-Electrical Tech)            | ENG-Electrical Tech            | 50                   |
| 300079 - DMO Spprt-RC - LABOR ONLY              | TBD (ENG-Machinist)                  | ENG-Machinist                  | 80                   |
| 300079 - DMO Spprt-RC - LABOR ONLY              | Cazenave, Francois - 0735            | ENG-Mechanical Engineer        | 40                   |
| 300079 - DMO Spprt-RC - LABOR ONLY              | TBD (ENG-Mechanical Tech)            | ENG-Mechanical Tech            | 140                  |
| 300079 - DMO Spprt-RC - LABOR ONLY              | Schramm, Richard - 0173              | ENG-Software Eng-Info Eng      | 40                   |
| 300079 - DMO Spprt-RC - LABOR ONLY              | Ruston, Todd - 0447                  | OED-I.S. Support               | 20                   |
| <b>300079 - DMO Spprt-RC - LABOR ONLY Total</b> |                                      |                                | <b>490</b>           |

| Project Name                                    | Employee                        | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|---------------------------------|--------------------------------|----------------------|
| 300080 - DMO Spprt-Mini ROV- Labor              | Parker, Michael - 0200          | ENG-Associate Engineer         | 100                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | Mellinger, Edward - 0195        | ENG-Electrical Engineer        | 350                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | Sherman, Alana - 0590           | ENG-Electrical Engineer        | 610                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | Marion, Thomas - 0553           | ENG-Electrical Tech            | 160                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | TBD (ENG-Machinist)             | ENG-Machinist                  | 160                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | Graves, Dale - 0334             | ENG-Mechanical Eng-Mfg         | 1010                 |
| 300080 - DMO Spprt-Mini ROV- Labor              | Flores, Frank - 0461            | ENG-Mechanical Tech            | 320                  |
| 300080 - DMO Spprt-Mini ROV- Labor              | Risi, Michael - 0444            | ENG-Software Engineer-Embedded | 100                  |
| <b>300080 - DMO Spprt-Mini ROV- Labor Total</b> |                                 |                                | <b>2810</b>          |
| 300082 - DMO Support - Wave Glider              | Chaffey, Mark - 0118            | ENG-Electrical Engineer        | 20                   |
| 300082 - DMO Support - Wave Glider              | Okuda, Craig - 0203             | ENG-Electrical Engineer        | 120                  |
| 300082 - DMO Support - Wave Glider              | Coenen, Paul - 0491             | ENG-Electrical Tech            | 40                   |
| 300082 - DMO Support - Wave Glider              | Kieft, Brian - 0712             | ENG-Software Engineer-Embedded | 80                   |
| 300082 - DMO Support - Wave Glider              | O'Reilly, Thomas - 0324         | ENG-Software Engineer-Embedded | 40                   |
| <b>300082 - DMO Support - Wave Glider Total</b> |                                 |                                | <b>300</b>           |
| 300083 - DMO Support - LRAUV                    | Raanan, Ben - 0992              | ENG-Associate Engineer         | 190                  |
| 300083 - DMO Support - LRAUV                    | Jones, Brent - 0996             | ENG-Electrical Engineer        | 20                   |
| 300083 - DMO Support - LRAUV                    | Klimov, Denis - 0566            | ENG-Electrical Engineer        | 120                  |
| 300083 - DMO Support - LRAUV                    | Mellinger, Edward - 0195        | ENG-Electrical Engineer        | 80                   |
| 300083 - DMO Support - LRAUV                    | TBD (ENG-Electrical Tech)       | ENG-Electrical Tech            | 160                  |
| 300083 - DMO Support - LRAUV                    | TBD (ENG-Machinist)             | ENG-Machinist                  | 160                  |
| 300083 - DMO Support - LRAUV                    | Erickson, Jon - 0191            | ENG-Mechanical Engineer        | 50                   |
| 300083 - DMO Support - LRAUV                    | Hobson, Brett - 0651            | ENG-Mechanical Engineer        | 200                  |
| 300083 - DMO Support - LRAUV                    | Schnittger, Aaron - 0857        | ENG-Mechanical Tech            | 100                  |
| 300083 - DMO Support - LRAUV                    | TBD (ENG-Mechanical Tech)       | ENG-Mechanical Tech            | 40                   |
| 300083 - DMO Support - LRAUV                    | Kieft, Brian - 0712             | ENG-Software Engineer-Embedded | 300                  |
| 300083 - DMO Support - LRAUV                    | Maughan, Thomas - 0774          | ENG-Software Engineer-Embedded | 80                   |
| 300083 - DMO Support - LRAUV                    | Rueda-Velasquez, Carlos - 0800  | ENG-Software Eng-Info Eng      | 40                   |
| <b>300083 - DMO Support - LRAUV Total</b>       |                                 |                                | <b>1540</b>          |
| 500055 - Video Annotation DM                    | Cline, Danelle - 0267           | ENG-Software Eng-Info Eng      | 200                  |
| 500055 - Video Annotation DM                    | Schlining, Brian - 0192         | ENG-Software Eng-Info Eng      | 900                  |
| 500055 - Video Annotation DM                    | TBD (ITD-Admin Support)         | ITD-Admin Support              | 300                  |
| 500055 - Video Annotation DM                    | TBD (ITD-Video Support)         | ITD-Video Support              | 2900                 |
| 500055 - Video Annotation DM                    | Conner, Neil - 0381             | OED-I.S. Support               | 60                   |
| 500055 - Video Annotation DM                    | Ruston, Todd - 0447             | OED-I.S. Support               | 20                   |
| 500055 - Video Annotation DM                    | Sisfontes Monge, Adriana - 1096 | OED-I.S. Support               | 20                   |
| <b>500055 - Video Annotation DM Total</b>       |                                 |                                | <b>4400</b>          |
| 600034 - Control Tech - Rock                    | Raanan, Ben - 0992              | ENG-Associate Engineer         | 40                   |

| Project Name                                    | Employee                      | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|-------------------------------|--------------------------------|----------------------|
| 600034 - Control Tech - Rock                    | Hobson, Brett - 0651          | ENG-Mechanical Engineer        | 100                  |
| 600034 - Control Tech - Rock                    | Graves, Dale - 0334           | ENG-Mechanical Eng-Mfg         | 110                  |
| 600034 - Control Tech - Rock                    | Ferreira, John - 0263         | ENG-Mechanical Tech            | 40                   |
| 600034 - Control Tech - Rock                    | Headley, Kent - 0407          | ENG-Software Engineer-Embedded | 455                  |
| 600034 - Control Tech - Rock                    | Henthorn, Richard - 0414      | ENG-Software Engineer-Embedded | 340                  |
| 600034 - Control Tech - Rock                    | Kieft, Brian - 0712           | ENG-Software Engineer-Embedded | 60                   |
| 600034 - Control Tech - Rock                    | McEwen, Robert - 0119         | ENG-Software Engineer-Embedded | 630                  |
| 600034 - Control Tech - Rock                    | Risi, Michael - 0444          | ENG-Software Engineer-Embedded | 640                  |
| <b>600034 - Control Tech - Rock Total</b>       |                               |                                | <b>2415</b>          |
| 701127 - MARS O&M III                           | Thompson, Duane - 0498        | DMO-AUV Support                | 640                  |
| 701127 - MARS O&M III                           | French, David - 0336          | DMO-Marine Ops Tech            | 120                  |
| 701127 - MARS O&M III                           | Aiello, Mark - 0271           | DMO-Rachel Carson Support      | 40                   |
| 701127 - MARS O&M III                           | Dawe, Thomas - 0199           | DMO-Shore/Admin Support        | 640                  |
| 701127 - MARS O&M III                           | McGill, Paul - 0331           | ENG-Electrical Engineer        | 40                   |
| 701127 - MARS O&M III                           | Rosal, Jose - 0591            | ENG-Electrical Tech            | 40                   |
| 701127 - MARS O&M III                           | TBD (ENG-Machinist)           | ENG-Machinist                  | 80                   |
| 701127 - MARS O&M III                           | Schramm, Richard - 0173       | ENG-Software Eng-Info Eng      | 80                   |
| 701127 - MARS O&M III                           | TBD (SCI-Research Assist)     | SCI-Research Assist            | 18                   |
| 701127 - MARS O&M III                           | Peltzer, Edward - 0264        | SCI-Research Specialist        | 80                   |
| 701127 - MARS O&M III                           | Kuhn, Linda - 0507            | SCI-Research Tech              | 300                  |
| 701127 - MARS O&M III                           | Barry, James - 0214           | SCI-Scientist                  | 19.8                 |
| <b>701127 - MARS O&amp;M III Total</b>          |                               |                                | <b>2097.8</b>        |
| 701130 - Dimensions DEEPC                       | Schultz, Darrin - 0997        | SCI-Grad Res Assist            | 1320                 |
| 701130 - Dimensions DEEPC                       | Winnikoff, Jacob - 1051       | SCI-Grad Res Assist            | 1320                 |
| <b>701130 - Dimensions DEEPC Total</b>          |                               |                                | <b>2640</b>          |
| 701132 - OBuoy 2                                | Friederich, Jules - 0902      | SCI-Research Assist            | 300                  |
| 701132 - OBuoy 2                                | Sancho, Diego - 1075          | SCI-Research Assist            | 200                  |
| <b>701132 - OBuoy 2 Total</b>                   |                               |                                | <b>500</b>           |
| 701134 - Vitamins                               | Hamilton, Maria (9/18) - 1027 | SCI-Post Doc/RA                | 800                  |
| <b>701134 - Vitamins Total</b>                  |                               |                                | <b>800</b>           |
| 701137.51 - Axial Seamount Year 3               | Thomas, Hans - 0436           | DMO-AUV Support                | 112                  |
| 701137.51 - Axial Seamount Year 3               | Caress, David - 0310          | ENG-Principal Engineer         | 112                  |
| <b>701137.51 - Axial Seamount Year 3 Total</b>  |                               |                                | <b>224</b>           |
| 701138 - SelfCalibrating pH Sensor              | Warren, Joseph - 1094         | SCI-Research Tech              | 85                   |
| <b>701138 - SelfCalibrating pH Sensor Total</b> |                               |                                | <b>85</b>            |
| 701139 - ML-Tracking                            | Agrawal, Sachin - 1134        | ENG-Research Engineer          | 880                  |
| <b>701139 - ML-Tracking Total</b>               |                               |                                | <b>880</b>           |
| 701140 - Biogeochem Prof Floats                 | Haskell, William - 1102       | SCI-Post Doc/RA                | 1803                 |

| Project Name                                      | Employee                  | Labor Category              | Total Budgeted Hours |
|---------------------------------------------------|---------------------------|-----------------------------|----------------------|
| 701140 - Biogeochem Prof Floats                   | Long, Jacqueline - 1095   | SCI-Research Tech           | 75                   |
| 701140 - Biogeochem Prof Floats                   | Maurer, Tanya - 1057      | SCI-Research Tech           | 66                   |
| <b>701140 - Biogeochem Prof Floats Total</b>      |                           |                             | 1944                 |
| 701141 - SiphWeb                                  | Lapides, Alexandra - 1108 | SCI-Research Assist         | 1320                 |
| <b>701141 - SiphWeb Total</b>                     |                           |                             | 1320                 |
| 702101 - IOOSREG task 5                           | Wahl, Christopher - 0813  | DMO-AUV Support             | 240                  |
| 702101 - IOOSREG task 5                           | Harper, Alexandra - 1082  | SCI-Program Support         | 1975.2               |
| 702101 - IOOSREG task 5                           | McKinzie, Megan - 1111    | SCI-Program Support         | 2076                 |
| 702101 - IOOSREG task 5                           | Sancho, Diego - 1075      | SCI-Research Assist         | 259.2                |
| 702101 - IOOSREG task 5                           | Bahr, Frederick - 0805    | SCI-Research Specialist     | 1663.2               |
| 702101 - IOOSREG task 5                           | Daniel, Patrick - 1085    | SCI-Research Tech           | 1872                 |
| 702101 - IOOSREG task 5                           | Ruhl, Henry - 0709        | SCI-Scientist               | 1560                 |
| <b>702101 - IOOSREG task 5 Total</b>              |                           |                             | 9645.6               |
| 703001 - Zooplankton Hotspots                     | Sancho, Diego - 1075      | SCI-Research Assist         | 1383                 |
| 703001 - Zooplankton Hotspots                     | Messie, Monique - 0730    | SCI-Research Specialist     | 300                  |
| <b>703001 - Zooplankton Hotspots Total</b>        |                           |                             | 1683                 |
| 704107 - Shearwater                               | Kirkwood, William - 0205  | ENG-Mechanical Eng-Division | 46                   |
| <b>704107 - Shearwater Total</b>                  |                           |                             | 46                   |
| 704109 - NavDORISS                                | Parker, Michael - 0200    | ENG-Associate Engineer      | 160                  |
| 704109 - NavDORISS                                | Montgomery, James - 0754  | ENG-Electrical Tech         | 10                   |
| 704109 - NavDORISS                                | Kirkwood, William - 0205  | ENG-Mechanical Eng-Division | 400                  |
| 704109 - NavDORISS                                | Salamy, Karen - 0178      | ENG-Software Tech           | 40                   |
| 704109 - NavDORISS                                | Peltzer, Edward - 0264    | SCI-Research Specialist     | 160                  |
| <b>704109 - NavDORISS Total</b>                   |                           |                             | 770                  |
| 708116 - SOCCOM                                   | Maurer, Tanya - 1057      | SCI-Research Tech           | 1271                 |
| 708116 - SOCCOM                                   | Plant, Joshua - 0296      | SCI-Research Tech           | 337                  |
| 708116 - SOCCOM                                   | Johnson, Kenneth - 0362   | SCI-Scientist               | 140                  |
| <b>708116 - SOCCOM Total</b>                      |                           |                             | 1748                 |
| 708116.95 - Yr 4 ProfilingFloat Sens              | Montgomery, James - 0754  | ENG-Electrical Tech         | 160                  |
| 708116.95 - Yr 4 ProfilingFloat Sens              | Thompson, Ford - 0534     | ENG-Machinist               | 10                   |
| 708116.95 - Yr 4 ProfilingFloat Sens              | Sakamoto, Carole - 0150   | SCI-Research Specialist     | 280                  |
| 708116.95 - Yr 4 ProfilingFloat Sens              | Walz, Peter - 0325        | SCI-Research Specialist     | 280                  |
| 708116.95 - Yr 4 ProfilingFloat Sens              | Coletti, Luke - 0398      | SCI-Research Tech           | 421                  |
| <b>708116.95 - Yr 4 ProfilingFloat Sens Total</b> |                           |                             | 1151                 |
| 708122 - MBON                                     | Pitz, Kathleen - 1056     | SCI-Post Doc/RA             | 1803                 |
| 708122 - MBON                                     | Nye, Charles - 1114       | SCI-Research Assist         | 1816                 |
| <b>708122 - MBON Total</b>                        |                           |                             | 3619                 |
| 708130 - SOCCOM Outreach                          | Cullen, Heidi - 1090      | ITD-Admin Support           | 40                   |

| Project Name                                    | Employee                   | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|----------------------------|--------------------------------|----------------------|
| 708130 - SOCCOM Outreach                        | Matsumoto, George - 0165   | ITD-Admin Support              | 50                   |
| 708130 - SOCCOM Outreach                        | von Thun, Susan - 0495     | ITD-Video Support              | 399                  |
| <b>708130 - SOCCOM Outreach Total</b>           |                            |                                | <b>489</b>           |
| 708141 - MINIONS                                | Flores, Frank - 0461       | ENG-Mechanical Tech            | 40                   |
| 708141 - MINIONS                                | Roberts, Paul - 1107       | ENG-Research Engineer          | 160                  |
| <b>708141 - MINIONS Total</b>                   |                            |                                | <b>200</b>           |
| 708160 - KelpForest Ecosystem MLPA              | Warren, Joseph - 1094      | SCI-Research Tech              | 80                   |
| <b>708160 - KelpForest Ecosystem MLPA Total</b> |                            |                                | <b>80</b>            |
| 708161 - IOOS for MPA in CA                     | Ruhl, Henry - 0709         | SCI-Scientist                  | 120                  |
| <b>708161 - IOOS for MPA in CA Total</b>        |                            |                                | <b>120</b>           |
| 800133 - AMI2                                   | Yamahara, Kevan - 0988     | SCI-Research Specialist        | 850                  |
| <b>800133 - AMI2 Total</b>                      |                            |                                | <b>850</b>           |
| 800139 - EyeRIS                                 | Klimov, Denis - 0566       | ENG-Electrical Engineer        | 80                   |
| 800139 - EyeRIS                                 | Sherman, Alana - 0590      | ENG-Electrical Engineer        | 160                  |
| 800139 - EyeRIS                                 | Marion, Thomas - 0553      | ENG-Electrical Tech            | 80                   |
| 800139 - EyeRIS                                 | Erickson, Jon - 0191       | ENG-Mechanical Engineer        | 320                  |
| 800139 - EyeRIS                                 | Flores, Frank - 0461       | ENG-Mechanical Tech            | 80                   |
| 800139 - EyeRIS                                 | Roberts, Paul - 1107       | ENG-Research Engineer          | 1920                 |
| 800139 - EyeRIS                                 | Henthorn, Richard - 0414   | ENG-Software Engineer-Embedded | 160                  |
| 800139 - EyeRIS                                 | Kieft, Brian - 0712        | ENG-Software Engineer-Embedded | 80                   |
| 800139 - EyeRIS                                 | New Hire (Intern)          | Intern                         | 480                  |
| 800139 - EyeRIS                                 | Ruhl, Henry - 0709         | SCI-Scientist                  | 160                  |
| <b>800139 - EyeRIS Total</b>                    |                            |                                | <b>3520</b>          |
| 800141 - Coastal Streams eDNA                   | Yamahara, Kevan - 0988     | SCI-Research Specialist        | 520                  |
| <b>800141 - Coastal Streams eDNA Total</b>      |                            |                                | <b>520</b>           |
| 881131 - OA Hypoxia Moorings P2                 | Friederich, Jules - 0902   | SCI-Research Assist            | 1000                 |
| <b>881131 - OA Hypoxia Moorings P2 Total</b>    |                            |                                | <b>1000</b>          |
| 901007 - Benthic Biology & Ecology              | Conway, Michael - 0290     | DMO-Marine Ops Tech            | 56                   |
| 901007 - Benthic Biology & Ecology              | Kecy, Chad - 0758          | ENG-Electrical Engineer        | 16                   |
| 901007 - Benthic Biology & Ecology              | Okuda, Craig - 0203        | ENG-Electrical Engineer        | 360                  |
| 901007 - Benthic Biology & Ecology              | TBD (ENG-Electrical Tech)  | ENG-Electrical Tech            | 24                   |
| 901007 - Benthic Biology & Ecology              | TBD (ENG-Machinist)        | ENG-Machinist                  | 32                   |
| 901007 - Benthic Biology & Ecology              | Graves, Dale - 0334        | ENG-Mechanical Eng-Mfg         | 16                   |
| 901007 - Benthic Biology & Ecology              | TBD (ENG-Mechanical Tech)  | ENG-Mechanical Tech            | 32                   |
| 901007 - Benthic Biology & Ecology              | Walz, Kristine - 0167      | ITD-Video Support              | 320                  |
| 901007 - Benthic Biology & Ecology              | Litvin, Steven - 1062      | SCI-Research Specialist        | 1440                 |
| 901007 - Benthic Biology & Ecology              | Lovera, Christopher - 0116 | SCI-Research Tech              | 1400                 |
| 901007 - Benthic Biology & Ecology              | Barry, James - 0214        | SCI-Scientist                  | 1480                 |

| Project Name                                        | Employee                       | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| <b>901007 - Benthic Biology &amp; Ecology Total</b> |                                |                                | 5176                 |
| 901009 - CANON                                      | Rienecker, Erich - 0262        | DMO-Marine Ops Tech            | 200                  |
| 901009 - CANON                                      | Figurski, Jared - 0909         | DMO-Observatory Support        | 20                   |
| 901009 - CANON                                      | Parker, Michael - 0200         | ENG-Associate Engineer         | 240                  |
| 901009 - CANON                                      | Raanan, Ben - 0992             | ENG-Associate Engineer         | 40                   |
| 901009 - CANON                                      | Jones, Brent - 0996            | ENG-Electrical Engineer        | 400                  |
| 901009 - CANON                                      | TBD (ENG-Machinist)            | ENG-Machinist                  | 80                   |
| 901009 - CANON                                      | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 40                   |
| 901009 - CANON                                      | Bird, Larry - 0204             | ENG-Mechanical Eng-Mfg         | 280                  |
| 901009 - CANON                                      | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 40                   |
| 901009 - CANON                                      | Maughan, Thomas - 0774         | ENG-Software Engineer-Embedded | 400                  |
| 901009 - CANON                                      | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 100                  |
| 901009 - CANON                                      | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 80                   |
| 901009 - CANON                                      | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 200                  |
| 901009 - CANON                                      | Gomes, Kevin - 0502            | ENG-Software Eng-Info Eng      | 320                  |
| 901009 - CANON                                      | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 80                   |
| 901009 - CANON                                      | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 390                  |
| 901009 - CANON                                      | Messie, Monique - 0730         | SCI-Research Specialist        | 180                  |
| 901009 - CANON                                      | Ryan, John - 0307              | SCI-Research Specialist        | 320                  |
| <b>901009 - CANON Total</b>                         |                                |                                | 3410                 |
| 901023 - Continental Margin Proces                  | Lundsten, Lonny - 0519         | ITD-Video Support              | 160                  |
| 901023 - Continental Margin Proces                  | TBD (ITD-Video Support)        | ITD-Video Support              | 176                  |
| 901023 - Continental Margin Proces                  | Gwiazda, Roberto - 0887        | SCI-Research Specialist        | 1764                 |
| 901023 - Continental Margin Proces                  | Lundsten, Eve - 0778           | SCI-Research Tech              | 1724                 |
| 901023 - Continental Margin Proces                  | Paull, Charles - 0355          | SCI-Scientist                  | 1684                 |
| <b>901023 - Continental Margin Proces Total</b>     |                                |                                | 5508                 |
| 901024 - Submarine Volcanism                        | Paduan, Jennifer - 0209        | SCI-Research Specialist        | 842                  |
| 901024 - Submarine Volcanism                        | Clague, David - 0129           | SCI-Scientist                  | 842                  |
| <b>901024 - Submarine Volcanism Total</b>           |                                |                                | 1684                 |
| 901101 - Ocean Imaging                              | Raanan, Ben - 0992             | ENG-Associate Engineer         | 240                  |
| 901101 - Ocean Imaging                              | Martin, Eric - 0873            | ENG-Electrical Engineer        | 497                  |
| 901101 - Ocean Imaging                              | Montgomery, James - 0754       | ENG-Electrical Tech            | 16                   |
| 901101 - Ocean Imaging                              | Tynes, Mark - 0885             | ENG-Machinist                  | 104                  |
| 901101 - Ocean Imaging                              | Kirkwood, William - 0205       | ENG-Mechanical Eng-Division    | 60                   |
| 901101 - Ocean Imaging                              | Hamilton, John - 0542          | ENG-Mechanical Engineer        | 318                  |
| 901101 - Ocean Imaging                              | Bird, Larry - 0204             | ENG-Mechanical Eng-Mfg         | 64                   |
| 901101 - Ocean Imaging                              | Schnittger, Aaron - 0857       | ENG-Mechanical Tech            | 84                   |
| 901101 - Ocean Imaging                              | Caress, David - 0310           | ENG-Principal Engineer         | 1648                 |

| Project Name                                        | Employee                        | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------------|---------------------------------|--------------------------------|----------------------|
| 901101 - Ocean Imaging                              | Headley, Kent - 0407            | ENG-Software Engineer-Embedded | 520                  |
| 901101 - Ocean Imaging                              | Henthorn, Richard - 0414        | ENG-Software Engineer-Embedded | 80                   |
| 901101 - Ocean Imaging                              | O'Reilly, Thomas - 0324         | ENG-Software Engineer-Embedded | 300                  |
| 901101 - Ocean Imaging                              | Risi, Michael - 0444            | ENG-Software Engineer-Embedded | 380                  |
| 901101 - Ocean Imaging                              | Paduan, Jennifer - 0209         | SCI-Research Specialist        | 920                  |
| <b>901101 - Ocean Imaging Total</b>                 |                                 |                                | 5231                 |
| 901103 - Biodiversity & Biooptics                   | Raanan, Ben - 0992              | ENG-Associate Engineer         | 120                  |
| 901103 - Biodiversity & Biooptics                   | New Hire (ENG-Machinist)        | ENG-Machinist                  | 12                   |
| 901103 - Biodiversity & Biooptics                   | TBD (ITD-Video Support)         | ITD-Video Support              | 300                  |
| 901103 - Biodiversity & Biooptics                   | Bessho, Manabu - 1093           | SCI-Post Doc/RA                | 484                  |
| 901103 - Biodiversity & Biooptics                   | Messie, Monique - 0730          | SCI-Research Specialist        | 350                  |
| 901103 - Biodiversity & Biooptics                   | Christianson, Lynne - 0445      | SCI-Research Tech              | 1683                 |
| 901103 - Biodiversity & Biooptics                   | Johnson, Shannon - 0555         | SCI-Research Tech              | 1683                 |
| 901103 - Biodiversity & Biooptics                   | Haddock, Steven - 0226          | SCI-Scientist                  | 1683                 |
| <b>901103 - Biodiversity &amp; Biooptics Total</b>  |                                 |                                | 6315                 |
| 901111 - AUV Infrastructure Supprt                  | McCann, Michael - 0335          | ENG-Software Eng-Info Eng      | 80                   |
| 901111 - AUV Infrastructure Supprt                  | Ryan, John - 0307               | SCI-Research Specialist        | 40                   |
| <b>901111 - AUV Infrastructure Supprt Total</b>     |                                 |                                | 120                  |
| 901112 - Change in MB & CA Current                  | Rienecker, Erich - 0262         | DMO-Marine Ops Tech            | 200                  |
| 901112 - Change in MB & CA Current                  | Figurski, Jared - 0909          | DMO-Observatory Support        | 120                  |
| 901112 - Change in MB & CA Current                  | Parker, Michael - 0200          | ENG-Associate Engineer         | 240                  |
| 901112 - Change in MB & CA Current                  | Jones, Brent - 0996             | ENG-Electrical Engineer        | 700                  |
| 901112 - Change in MB & CA Current                  | TBD (ENG-Machinist)             | ENG-Machinist                  | 80                   |
| 901112 - Change in MB & CA Current                  | Bird, Larry - 0204              | ENG-Mechanical Eng-Mfg         | 280                  |
| 901112 - Change in MB & CA Current                  | Henderson, Elisabeth - New Hire | SCI-Post Doc/RA                | 1116                 |
| 901112 - Change in MB & CA Current                  | Messie, Monique - 0730          | SCI-Research Specialist        | 263                  |
| 901112 - Change in MB & CA Current                  | Blum, Marguerite - 0571         | SCI-Research Tech              | 1063                 |
| 901112 - Change in MB & CA Current                  | Michisaki, Reiko - 0284         | SCI-Research Tech              | 1683                 |
| 901112 - Change in MB & CA Current                  | Truelove, Nathan - 1135         | SCI-Research Tech              | 1803                 |
| 901112 - Change in MB & CA Current                  | Chavez, Francisco - 0112        | SCI-Scientist                  | 1683                 |
| <b>901112 - Change in MB &amp; CA Current Total</b> |                                 |                                | 9231                 |
| 901114 - E&D-Picophytoeukaryotes                    | Klimov, Denis - 0566            | ENG-Electrical Engineer        | 80                   |
| 901114 - E&D-Picophytoeukaryotes                    | Bird, Larry - 0204              | ENG-Mechanical Eng-Mfg         | 30                   |
| 901114 - E&D-Picophytoeukaryotes                    | Lundsten, Lonny - 0519          | ITD-Video Support              | 80                   |
| 901114 - E&D-Picophytoeukaryotes                    | Sudek, Sebastian - 0841         | SCI-Research Specialist        | 1840                 |
| 901114 - E&D-Picophytoeukaryotes                    | Worden, Alexandra - 0759        | SCI-Scientist                  | 1840                 |
| <b>901114 - E&amp;D-Picophytoeukaryotes Total</b>   |                                 |                                | 3870                 |
| 901200 - AMP                                        | Conway, Michael - 0290          | DMO-Marine Ops Tech            | 200                  |

| Project Name                                    | Employee                     | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|------------------------------|--------------------------------|----------------------|
| 901200 - AMP                                    | Figurski, Jared - 0909       | DMO-Observatory Support        | 32                   |
| 901200 - AMP                                    | Au, Douglas - 0303           | ENG-Admin Support              | 96                   |
| 901200 - AMP                                    | Graves, Dale - 0334          | ENG-Mechanical Eng-Mfg         | 96                   |
| 901200 - AMP                                    | Flores, Frank - 0461         | ENG-Mechanical Tech            | 96                   |
| 901200 - AMP                                    | Anderson, Krystle - 0869     | ITD-Admin Support              | 48                   |
| 901200 - AMP                                    | Cullen, Heidi - 1090         | ITD-Admin Support              | 96                   |
| 901200 - AMP                                    | Fulton-Bennett, Kim - 0540   | ITD-Admin Support              | 24                   |
| 901200 - AMP                                    | Matsumoto, George - 0165     | ITD-Admin Support              | 240                  |
| 901200 - AMP                                    | Jacobsen Stout, Nancy - 0291 | ITD-Video Support              | 24                   |
| 901200 - AMP                                    | TBD (ITD-Video Support)      | ITD-Video Support              | 288                  |
| 901200 - AMP                                    | von Thun, Susan - 0495       | ITD-Video Support              | 60                   |
| 901200 - AMP                                    | Ryan, John - 0307            | SCI-Research Specialist        | 24                   |
| 901200 - AMP                                    | Johnson, Shannon - 0555      | SCI-Research Tech              | 48                   |
| 901200 - AMP                                    | Barry, James - 0214          | SCI-Scientist                  | 192                  |
| 901200 - AMP                                    | Haddock, Steven - 0226       | SCI-Scientist                  | 192                  |
| 901200 - AMP                                    | Robison, Bruce - 0113        | SCI-Scientist                  | 192                  |
| <b>901200 - AMP Total</b>                       |                              |                                | <b>1948</b>          |
| 901201 - EARTH                                  | Erwin, Benjamin - 0912       | DMO-Doc Ricketts Support       | 20                   |
| 901201 - EARTH                                  | Barr, Nancy - 0168           | ITD-Admin Support              | 10                   |
| 901201 - EARTH                                  | Matsumoto, George - 0165     | ITD-Admin Support              | 165                  |
| <b>901201 - EARTH Total</b>                     |                              |                                | <b>195</b>           |
| 901204 - Enhancing Det Chemistries              | Jensen, Scott - 0415         | ENG-Electrical Engineer        | 160                  |
| 901204 - Enhancing Det Chemistries              | Birch, James - 0732          | ENG-Mechanical Eng-Division    | 720                  |
| 901204 - Enhancing Det Chemistries              | Preston, Christina - 0389    | SCI-Research Specialist        | 1400                 |
| 901204 - Enhancing Det Chemistries              | Ussler III, William - 0364   | SCI-Research Specialist        | 1480                 |
| 901204 - Enhancing Det Chemistries              | Marin III, Roman - 0344      | SCI-Research Tech              | 1390                 |
| <b>901204 - Enhancing Det Chemistries Total</b> |                              |                                | <b>5150</b>          |
| 901205 - ESP SURF Center                        | Jensen, Scott - 0415         | ENG-Electrical Engineer        | 920                  |
| 901205 - ESP SURF Center                        | Birch, James - 0732          | ENG-Mechanical Eng-Division    | 840                  |
| 901205 - ESP SURF Center                        | Pargett, Douglas - 0691      | ENG-Mechanical Engineer        | 1280                 |
| 901205 - ESP SURF Center                        | Roman, Brent - 0435          | ENG-Software Engineer-Embedded | 1280                 |
| 901205 - ESP SURF Center                        | Ryan, John - 0307            | SCI-Research Specialist        | 160                  |
| <b>901205 - ESP SURF Center Total</b>           |                              |                                | <b>4480</b>          |
| 901206 - Coastal Profiling Float                | Parker, Michael - 0200       | ENG-Associate Engineer         | 200                  |
| 901206 - Coastal Profiling Float                | Martin, Eric - 0873          | ENG-Electrical Engineer        | 650                  |
| 901206 - Coastal Profiling Float                | Mellinger, Edward - 0195     | ENG-Electrical Engineer        | 600                  |
| 901206 - Coastal Profiling Float                | Coenen, Paul - 0491          | ENG-Electrical Tech            | 300                  |
| 901206 - Coastal Profiling Float                | Montgomery, James - 0754     | ENG-Electrical Tech            | 120                  |

| Project Name                                   | Employee                        | Labor Category                 | Total Budgeted Hours |
|------------------------------------------------|---------------------------------|--------------------------------|----------------------|
| 901206 - Coastal Profiling Float               | Rosal, Jose - 0591              | ENG-Electrical Tech            | 80                   |
| 901206 - Coastal Profiling Float               | Tynes, Mark - 0885              | ENG-Machinist                  | 200                  |
| 901206 - Coastal Profiling Float               | Flores, Frank - 0461            | ENG-Mechanical Tech            | 80                   |
| 901206 - Coastal Profiling Float               | Schnittger, Aaron - 0857        | ENG-Mechanical Tech            | 160                  |
| 901206 - Coastal Profiling Float               | Zhang, Yanwu - 0641             | ENG-Research Engineer          | 80                   |
| 901206 - Coastal Profiling Float               | Massion, Eugene - 0338          | SCI-Mechanical Engineer        | 1300                 |
| <b>901206 - Coastal Profiling Float Total</b>  |                                 |                                | <b>3770</b>          |
| 901216 - Ocean Chem Greenhous Gas              | Kirkwood, William - 0205        | ENG-Mechanical Eng-Division    | 40                   |
| 901216 - Ocean Chem Greenhous Gas              | von Thun, Susan - 0495          | ITD-Video Support              | 40                   |
| 901216 - Ocean Chem Greenhous Gas              | Peltzer, Edward - 0264          | SCI-Research Specialist        | 240                  |
| 901216 - Ocean Chem Greenhous Gas              | Walz, Peter - 0325              | SCI-Research Specialist        | 40                   |
| <b>901216 - Ocean Chem Greenhous Gas Total</b> |                                 |                                | <b>360</b>           |
| 901217 - Chemical Sensor Program               | Parker, Michael - 0200          | ENG-Associate Engineer         | 120                  |
| 901217 - Chemical Sensor Program               | Marion, Thomas - 0553           | ENG-Electrical Tech            | 40                   |
| 901217 - Chemical Sensor Program               | Montgomery, James - 0754        | ENG-Electrical Tech            | 40                   |
| 901217 - Chemical Sensor Program               | Rosal, Jose - 0591              | ENG-Electrical Tech            | 40                   |
| 901217 - Chemical Sensor Program               | TBD (ENG-Machinist)             | ENG-Machinist                  | 120                  |
| 901217 - Chemical Sensor Program               | Erickson, Jon - 0191            | ENG-Mechanical Engineer        | 120                  |
| 901217 - Chemical Sensor Program               | Flores, Frank - 0461            | ENG-Mechanical Tech            | 20                   |
| 901217 - Chemical Sensor Program               | TBD (ENG-Mechanical Tech)       | ENG-Mechanical Tech            | 120                  |
| 901217 - Chemical Sensor Program               | TBD (ENG-Software Eng-Info Eng) | ENG-Software Eng-Info Eng      | 200                  |
| 901217 - Chemical Sensor Program               | Massion, Eugene - 0338          | SCI-Mechanical Engineer        | 280                  |
| 901217 - Chemical Sensor Program               | New Hire (SCI-Post Doc/RA)      | SCI-Post Doc/RA                | 1829                 |
| 901217 - Chemical Sensor Program               | Sakamoto, Carole - 0150         | SCI-Research Specialist        | 1403                 |
| 901217 - Chemical Sensor Program               | Walz, Peter - 0325              | SCI-Research Specialist        | 1403                 |
| 901217 - Chemical Sensor Program               | Coletti, Luke - 0398            | SCI-Research Tech              | 1262                 |
| 901217 - Chemical Sensor Program               | Mertz, Keaton - 1100            | SCI-Research Tech              | 1803                 |
| 901217 - Chemical Sensor Program               | Plant, Joshua - 0296            | SCI-Research Tech              | 1346                 |
| 901217 - Chemical Sensor Program               | Johnson, Kenneth - 0362         | SCI-Scientist                  | 1543                 |
| <b>901217 - Chemical Sensor Program Total</b>  |                                 |                                | <b>11689</b>         |
| 901220 - Midwater Ecology                      | Okuda, Craig - 0203             | ENG-Electrical Engineer        | 120                  |
| 901220 - Midwater Ecology                      | Rosal, Jose - 0591              | ENG-Electrical Tech            | 16                   |
| 901220 - Midwater Ecology                      | Tynes, Mark - 0885              | ENG-Machinist                  | 40                   |
| 901220 - Midwater Ecology                      | Ferreira, John - 0263           | ENG-Mechanical Tech            | 100                  |
| 901220 - Midwater Ecology                      | Headley, Kent - 0407            | ENG-Software Engineer-Embedded | 16                   |
| 901220 - Midwater Ecology                      | Matsumoto, George - 0165        | ITD-Admin Support              | 40                   |
| 901220 - Midwater Ecology                      | Schlining, Kyra - 0111          | ITD-Video Support              | 218.52               |
| 901220 - Midwater Ecology                      | Walz, Kristine - 0167           | ITD-Video Support              | 218.52               |

| Project Name                                    | Employee                   | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|----------------------------|--------------------------------|----------------------|
| 901220 - Midwater Ecology                       | Leitner, Astrid - New Hire | SCI-Post Doc/RA                | 1839.96              |
| 901220 - Midwater Ecology                       | Reisenbichler, Kim - 0124  | SCI-Research Specialist        | 1239.96              |
| 901220 - Midwater Ecology                       | Sherlock, Robert - 0141    | SCI-Research Tech              | 1104                 |
| 901220 - Midwater Ecology                       | Robison, Bruce - 0113      | SCI-Scientist                  | 1640.04              |
| <b>901220 - Midwater Ecology Total</b>          |                            |                                | <b>6593</b>          |
| 901221 - Midwater Time Series                   | Chaffey, Mark - 0118       | ENG-Electrical Engineer        | 16                   |
| 901221 - Midwater Time Series                   | McGill, Paul - 0331        | ENG-Electrical Engineer        | 60                   |
| 901221 - Midwater Time Series                   | Henthorn, Richard - 0414   | ENG-Software Engineer-Embedded | 16                   |
| 901221 - Midwater Time Series                   | Schlining, Brian - 0192    | ENG-Software Eng-Info Eng      | 50                   |
| 901221 - Midwater Time Series                   | Schramm, Richard - 0173    | ENG-Software Eng-Info Eng      | 30                   |
| 901221 - Midwater Time Series                   | Schlining, Kyra - 0111     | ITD-Video Support              | 131                  |
| 901221 - Midwater Time Series                   | von Thun, Susan - 0495     | ITD-Video Support              | 131                  |
| 901221 - Midwater Time Series                   | Walz, Kristine - 0167      | ITD-Video Support              | 131                  |
| 901221 - Midwater Time Series                   | Messie, Monique - 0730     | SCI-Research Specialist        | 200                  |
| 901221 - Midwater Time Series                   | Reisenbichler, Kim - 0124  | SCI-Research Specialist        | 160                  |
| 901221 - Midwater Time Series                   | Ryan, John - 0307          | SCI-Research Specialist        | 30                   |
| 901221 - Midwater Time Series                   | Blum, Marguerite - 0571    | SCI-Research Tech              | 30                   |
| 901221 - Midwater Time Series                   | Sherlock, Robert - 0141    | SCI-Research Tech              | 736                  |
| 901221 - Midwater Time Series                   | Robison, Bruce - 0113      | SCI-Scientist                  | 200                  |
| <b>901221 - Midwater Time Series Total</b>      |                            |                                | <b>1921</b>          |
| 901405 - PowerBuoy Dvlpmnt-Expense              | TBD (DMO-Marine Ops Tech)  | DMO-Marine Ops Tech            | 52                   |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Jensen, Scott - 0415       | ENG-Electrical Engineer        | 456                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Martin, Eric - 0873        | ENG-Electrical Engineer        | 128                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Rosal, Jose - 0591         | ENG-Electrical Tech            | 168                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | TBD (ENG-Machinist)        | ENG-Machinist                  | 60                   |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Cazenave, Francois - 0735  | ENG-Mechanical Engineer        | 536                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Erickson, Jon - 0191       | ENG-Mechanical Engineer        | 172                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Hamilton, John - 0542      | ENG-Mechanical Engineer        | 436                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Ferreira, John - 0263      | ENG-Mechanical Tech            | 328                  |
| 901405 - PowerBuoy Dvlpmnt-Expense              | Henthorn, Richard - 0414   | ENG-Software Engineer-Embedded | 268                  |
| <b>901405 - PowerBuoy Dvlpmnt-Expense Total</b> |                            |                                | <b>2604</b>          |
| 901502 - Passive Acoustic Sensing               | Thompson, Duane - 0498     | DMO-AUV Support                | 70                   |
| 901502 - Passive Acoustic Sensing               | French, David - 0336       | DMO-Marine Ops Tech            | 160                  |
| 901502 - Passive Acoustic Sensing               | Figurski, Jared - 0909     | DMO-Observatory Support        | 30                   |
| 901502 - Passive Acoustic Sensing               | Dawe, Thomas - 0199        | DMO-Shore/Admin Support        | 80                   |
| 901502 - Passive Acoustic Sensing               | Raanan, Ben - 0992         | ENG-Associate Engineer         | 160                  |
| 901502 - Passive Acoustic Sensing               | Jones, Brent - 0996        | ENG-Electrical Engineer        | 120                  |
| 901502 - Passive Acoustic Sensing               | McGill, Paul - 0331        | ENG-Electrical Engineer        | 120                  |

| Project Name                                    | Employee                       | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| 901502 - Passive Acoustic Sensing               | TBD (ENG-Machinist)            | ENG-Machinist                  | 80                   |
| 901502 - Passive Acoustic Sensing               | Zhang, Yanwu - 0641            | ENG-Research Engineer          | 120                  |
| 901502 - Passive Acoustic Sensing               | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 500                  |
| 901502 - Passive Acoustic Sensing               | Gomes, Kevin - 0502            | ENG-Software Eng-Info Eng      | 40                   |
| 901502 - Passive Acoustic Sensing               | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 200                  |
| 901502 - Passive Acoustic Sensing               | Matsumoto, George - 0165       | ITD-Admin Support              | 80                   |
| 901502 - Passive Acoustic Sensing               | Ryan, John - 0307              | SCI-Research Specialist        | 725                  |
| <b>901502 - Passive Acoustic Sensing Total</b>  |                                |                                | <b>2485</b>          |
| 901513 - Targeted Sampling by AUVs              | Raanan, Ben - 0992             | ENG-Associate Engineer         | 60                   |
| 901513 - Targeted Sampling by AUVs              | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 30                   |
| 901513 - Targeted Sampling by AUVs              | Zhang, Yanwu - 0641            | ENG-Research Engineer          | 1420                 |
| 901513 - Targeted Sampling by AUVs              | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 80                   |
| 901513 - Targeted Sampling by AUVs              | McEwen, Robert - 0119          | ENG-Software Engineer-Embedded | 20                   |
| 901513 - Targeted Sampling by AUVs              | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 100                  |
| 901513 - Targeted Sampling by AUVs              | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 140                  |
| 901513 - Targeted Sampling by AUVs              | Ryan, John - 0307              | SCI-Research Specialist        | 160                  |
| 901513 - Targeted Sampling by AUVs              | Ussler III, William - 0364     | SCI-Research Specialist        | 20                   |
| <b>901513 - Targeted Sampling by AUVs Total</b> |                                |                                | <b>2030</b>          |
| 901602 - Data TAG: Addrss Eng Chng              | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Gomes, Kevin - 0502            | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Schramm, Richard - 0173        | ENG-Software Eng-Info Eng      | 20                   |
| 901602 - Data TAG: Addrss Eng Chng              | Salamy, Karen - 0178           | ENG-Software Tech              | 20                   |
| <b>901602 - Data TAG: Addrss Eng Chng Total</b> |                                |                                | <b>160</b>           |
| 901603 - Video TAG: Vis Ocean Chng              | Chaffey, Mark - 0118           | ENG-Electrical Engineer        | 20                   |
| 901603 - Video TAG: Vis Ocean Chng              | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 40                   |
| 901603 - Video TAG: Vis Ocean Chng              | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 650                  |
| 901603 - Video TAG: Vis Ocean Chng              | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 20                   |
| 901603 - Video TAG: Vis Ocean Chng              | Jacobsen Stout, Nancy - 0291   | ITD-Video Support              | 180                  |
| 901603 - Video TAG: Vis Ocean Chng              | Lundsten, Lonny - 0519         | ITD-Video Support              | 60                   |
| <b>901603 - Video TAG: Vis Ocean Chng Total</b> |                                |                                | <b>970</b>           |
| 901618 - Pelagic-Benthic Coupling               | Wahl, Christopher - 0813       | DMO-AUV Support                | 40                   |
| 901618 - Pelagic-Benthic Coupling               | McGill, Paul - 0331            | ENG-Electrical Engineer        | 720                  |
| 901618 - Pelagic-Benthic Coupling               | Sherman, Alana - 0590          | ENG-Electrical Engineer        | 350                  |
| 901618 - Pelagic-Benthic Coupling               | Marion, Thomas - 0553          | ENG-Electrical Tech            | 160                  |

| Project Name                                    | Employee                  | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|---------------------------|--------------------------------|----------------------|
| 901618 - Pelagic-Benthic Coupling               | Montgomery, James - 0754  | ENG-Electrical Tech            | 200                  |
| 901618 - Pelagic-Benthic Coupling               | Ferreira, John - 0263     | ENG-Mechanical Tech            | 700                  |
| 901618 - Pelagic-Benthic Coupling               | Henthorn, Richard - 0414  | ENG-Software Engineer-Embedded | 480                  |
| 901618 - Pelagic-Benthic Coupling               | Kieft, Brian - 0712       | ENG-Software Engineer-Embedded | 20                   |
| 901618 - Pelagic-Benthic Coupling               | Edgington, Duane - 0233   | ENG-Software Eng-Info Eng      | 100                  |
| 901618 - Pelagic-Benthic Coupling               | Schlining, Brian - 0192   | ENG-Software Eng-Info Eng      | 100                  |
| 901618 - Pelagic-Benthic Coupling               | Lemon, Larissa - 0945     | ITD-Video Support              | 500                  |
| 901618 - Pelagic-Benthic Coupling               | von Thun, Susan - 0495    | ITD-Video Support              | 40                   |
| 901618 - Pelagic-Benthic Coupling               | Huffard, Christine - 0721 | SCI-Research Specialist        | 1840                 |
| 901618 - Pelagic-Benthic Coupling               | Messie, Monique - 0730    | SCI-Research Specialist        | 180                  |
| 901618 - Pelagic-Benthic Coupling               | Preston, Christina - 0389 | SCI-Research Specialist        | 130                  |
| 901618 - Pelagic-Benthic Coupling               | Smith, Kenneth - 0706     | SCI-Scientist                  | 1840                 |
| <b>901618 - Pelagic-Benthic Coupling Total</b>  |                           |                                | <b>7400</b>          |
| 901700 - 2017 Acoustical Ocean Eco              | McGill, Paul - 0331       | ENG-Electrical Engineer        | 160                  |
| 901700 - 2017 Acoustical Ocean Eco              | Coenen, Paul - 0491       | ENG-Electrical Tech            | 100                  |
| 901700 - 2017 Acoustical Ocean Eco              | Bird, Larry - 0204        | ENG-Mechanical Eng-Mfg         | 100                  |
| 901700 - 2017 Acoustical Ocean Eco              | Roman, Brent - 0435       | ENG-Software Engineer-Embedded | 1803                 |
| 901700 - 2017 Acoustical Ocean Eco              | TBD (ITD-Video Support)   | ITD-Video Support              | 55                   |
| 901700 - 2017 Acoustical Ocean Eco              | Urmy, Samuel - 1089       | SCI-Post Doc/RA                | 151                  |
| 901700 - 2017 Acoustical Ocean Eco              | Ryan, John - 0307         | SCI-Research Specialist        | 240                  |
| 901700 - 2017 Acoustical Ocean Eco              | Waluk, Chad - 1046        | SCI-Research Specialist        | 1803                 |
| <b>901700 - 2017 Acoustical Ocean Eco Total</b> |                           |                                | <b>4412</b>          |
| 901704.99 - 8 Camera Obs Lander                 | Kecy, Chad - 0758         | ENG-Electrical Engineer        | 600                  |
| 901704.99 - 8 Camera Obs Lander                 | Martin, Eric - 0873       | ENG-Electrical Engineer        | 160                  |
| 901704.99 - 8 Camera Obs Lander                 | Okuda, Craig - 0203       | ENG-Electrical Engineer        | 160                  |
| 901704.99 - 8 Camera Obs Lander                 | Cazenave, Francois - 0735 | ENG-Mechanical Engineer        | 160                  |
| 901704.99 - 8 Camera Obs Lander                 | Headley, Kent - 0407      | ENG-Software Engineer-Embedded | 160                  |
| <b>901704.99 - 8 Camera Obs Lander Total</b>    |                           |                                | <b>1240</b>          |
| 901706 - Fault Prognostication                  | Jensen, Scott - 0415      | ENG-Electrical Engineer        | 80                   |
| 901706 - Fault Prognostication                  | Rosal, Jose - 0591        | ENG-Electrical Tech            | 40                   |
| 901706 - Fault Prognostication                  | Erickson, Jon - 0191      | ENG-Mechanical Engineer        | 40                   |
| 901706 - Fault Prognostication                  | Kemp, Mathieu - 1025      | ENG-Principal Engineer         | 1800                 |
| <b>901706 - Fault Prognostication Total</b>     |                           |                                | <b>1960</b>          |
| 901713 - Nearshore FOCE                         | Figurski, Jared - 0909    | DMO-Observatory Support        | 40                   |
| 901713 - Nearshore FOCE                         | Parker, Michael - 0200    | ENG-Associate Engineer         | 250                  |
| 901713 - Nearshore FOCE                         | Kecy, Chad - 0758         | ENG-Electrical Engineer        | 424                  |
| 901713 - Nearshore FOCE                         | Marion, Thomas - 0553     | ENG-Electrical Tech            | 160                  |
| 901713 - Nearshore FOCE                         | Montgomery, James - 0754  | ENG-Electrical Tech            | 75                   |

| Project Name                                        | Employee                       | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| 901713 - Nearshore FOCE                             | TBD (ENG-Machinist)            | ENG-Machinist                  | 300                  |
| 901713 - Nearshore FOCE                             | Graves, Dale - 0334            | ENG-Mechanical Eng-Mfg         | 350                  |
| 901713 - Nearshore FOCE                             | TBD (ENG-Mechanical Tech)      | ENG-Mechanical Tech            | 120                  |
| 901713 - Nearshore FOCE                             | Matsumoto, George - 0165       | ITD-Admin Support              | 160                  |
| 901713 - Nearshore FOCE                             | Litvin, Steven - 1062          | SCI-Research Specialist        | 160                  |
| 901713 - Nearshore FOCE                             | Peltzer, Edward - 0264         | SCI-Research Specialist        | 60                   |
| 901713 - Nearshore FOCE                             | Lovera, Christopher - 0116     | SCI-Research Tech              | 200                  |
| 901713 - Nearshore FOCE                             | Barry, James - 0214            | SCI-Scientist                  | 120                  |
| <b>901713 - Nearshore FOCE Total</b>                |                                |                                | <b>2419</b>          |
| 901714 - Divers & Evo Midwtr Anima                  | Schlining, Kyra - 0111         | ITD-Video Support              | 40                   |
| <b>901714 - Divers &amp; Evo Midwtr Anima Total</b> |                                |                                | <b>40</b>            |
| 901720 - AMI2 (Internal)                            | Birch, James - 0732            | ENG-Mechanical Eng-Division    | 80                   |
| 901720 - AMI2 (Internal)                            | Yamahara, Kevan - 0988         | SCI-Research Specialist        | 1560                 |
| <b>901720 - AMI2 (Internal) Total</b>               |                                |                                | <b>1640</b>          |
| 901800 - LRAUV Payload & Support                    | Trauschke, Erik - 1024         | DMO-AUV Support                | 190                  |
| 901800 - LRAUV Payload & Support                    | Raanan, Ben - 0992             | ENG-Associate Engineer         | 555                  |
| 901800 - LRAUV Payload & Support                    | Jones, Brent - 0996            | ENG-Electrical Engineer        | 275                  |
| 901800 - LRAUV Payload & Support                    | Klimov, Denis - 0566           | ENG-Electrical Engineer        | 435                  |
| 901800 - LRAUV Payload & Support                    | Mellinger, Edward - 0195       | ENG-Electrical Engineer        | 725                  |
| 901800 - LRAUV Payload & Support                    | TBD (ENG-Electrical Tech)      | ENG-Electrical Tech            | 55                   |
| 901800 - LRAUV Payload & Support                    | TBD (ENG-Machinist)            | ENG-Machinist                  | 70                   |
| 901800 - LRAUV Payload & Support                    | Erickson, Jon - 0191           | ENG-Mechanical Engineer        | 495                  |
| 901800 - LRAUV Payload & Support                    | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 650                  |
| 901800 - LRAUV Payload & Support                    | Schnittger, Aaron - 0857       | ENG-Mechanical Tech            | 40                   |
| 901800 - LRAUV Payload & Support                    | Henthorn, Richard - 0414       | ENG-Software Engineer-Embedded | 110                  |
| 901800 - LRAUV Payload & Support                    | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 550                  |
| 901800 - LRAUV Payload & Support                    | McEwen, Robert - 0119          | ENG-Software Engineer-Embedded | 435                  |
| 901800 - LRAUV Payload & Support                    | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 315                  |
| 901800 - LRAUV Payload & Support                    | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 90                   |
| 901800 - LRAUV Payload & Support                    | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 700                  |
| 901800 - LRAUV Payload & Support                    | Salamy, Karen - 0178           | ENG-Software Tech              | 100                  |
| <b>901800 - LRAUV Payload &amp; Support Total</b>   |                                |                                | <b>5790</b>          |
| 901800.98 - Bioacoustic Payload                     | Jones, Brent - 0996            | ENG-Electrical Engineer        | 160                  |
| 901800.98 - Bioacoustic Payload                     | McGill, Paul - 0331            | ENG-Electrical Engineer        | 40                   |
| 901800.98 - Bioacoustic Payload                     | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 100                  |
| 901800.98 - Bioacoustic Payload                     | Pargett, Douglas - 0691        | ENG-Mechanical Engineer        | 120                  |
| 901800.98 - Bioacoustic Payload                     | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 140                  |
| <b>901800.98 - Bioacoustic Payload Total</b>        |                                |                                | <b>560</b>           |

| Project Name                                    | Employee                     | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|------------------------------|--------------------------------|----------------------|
| 901803 - Carbon Wave Glider Develo              | Wahl, Christopher - 0813     | DMO-AUV Support                | 36                   |
| 901803 - Carbon Wave Glider Develo              | Figurski, Jared - 0909       | DMO-Observatory Support        | 37                   |
| 901803 - Carbon Wave Glider Develo              | TBD (ENG-Associate Engineer) | ENG-Associate Engineer         | 240                  |
| 901803 - Carbon Wave Glider Develo              | McGill, Paul - 0331          | ENG-Electrical Engineer        | 300                  |
| 901803 - Carbon Wave Glider Develo              | Okuda, Craig - 0203          | ENG-Electrical Engineer        | 640                  |
| 901803 - Carbon Wave Glider Develo              | TBD (ENG-Mechanical Tech)    | ENG-Mechanical Tech            | 200                  |
| 901803 - Carbon Wave Glider Develo              | Headley, Kent - 0407         | ENG-Software Engineer-Embedded | 650                  |
| 901803 - Carbon Wave Glider Develo              | TBD (ENG-Software Tech)      | ENG-Software Tech              | 200                  |
| 901803 - Carbon Wave Glider Develo              | Long, Jacqueline - 1095      | SCI-Research Tech              | 601                  |
| 901803 - Carbon Wave Glider Develo              | Fassbender, Andrea - 1058    | SCI-Scientist                  | 301                  |
| <b>901803 - Carbon Wave Glider Develo Total</b> |                              |                                | <b>3205</b>          |
| 901805 - Coastal Biogeochemical Se              | Wahl, Christopher - 0813     | DMO-AUV Support                | 80                   |
| 901805 - Coastal Biogeochemical Se              | Parker, Michael - 0200       | ENG-Associate Engineer         | 320                  |
| 901805 - Coastal Biogeochemical Se              | Jensen, Scott - 0415         | ENG-Electrical Engineer        | 320                  |
| 901805 - Coastal Biogeochemical Se              | Jones, Brent - 0996          | ENG-Electrical Engineer        | 480                  |
| 901805 - Coastal Biogeochemical Se              | TBD (ENG-Electrical Tech)    | ENG-Electrical Tech            | 320                  |
| 901805 - Coastal Biogeochemical Se              | TBD (ENG-Machinist)          | ENG-Machinist                  | 120                  |
| 901805 - Coastal Biogeochemical Se              | Maughan, Thomas - 0774       | ENG-Software Engineer-Embedded | 480                  |
| 901805 - Coastal Biogeochemical Se              | Blum, Marguerite - 0571      | SCI-Research Tech              | 440                  |
| 901805 - Coastal Biogeochemical Se              | Warren, Joseph - 1094        | SCI-Research Tech              | 1816                 |
| 901805 - Coastal Biogeochemical Se              | Takeshita, Yuichiro - 1059   | SCI-Scientist                  | 1803                 |
| <b>901805 - Coastal Biogeochemical Se Total</b> |                              |                                | <b>6179</b>          |
| 901807 - Next Gen Acoust Dorado                 | Thomas, Hans - 0436          | DMO-AUV Support                | 160                  |
| 901807 - Next Gen Acoust Dorado                 | Chaffey, Mark - 0118         | ENG-Electrical Engineer        | 40                   |
| 901807 - Next Gen Acoust Dorado                 | Martin, Eric - 0873          | ENG-Electrical Engineer        | 300                  |
| 901807 - Next Gen Acoust Dorado                 | McGill, Paul - 0331          | ENG-Electrical Engineer        | 250                  |
| 901807 - Next Gen Acoust Dorado                 | Montgomery, James - 0754     | ENG-Electrical Tech            | 20                   |
| 901807 - Next Gen Acoust Dorado                 | TBD (ENG-Machinist)          | ENG-Machinist                  | 20                   |
| 901807 - Next Gen Acoust Dorado                 | Cazenave, Francois - 0735    | ENG-Mechanical Engineer        | 20                   |
| 901807 - Next Gen Acoust Dorado                 | Henthorn, Richard - 0414     | ENG-Software Engineer-Embedded | 160                  |
| 901807 - Next Gen Acoust Dorado                 | McCann, Michael - 0335       | ENG-Software Eng-Info Eng      | 160                  |
| 901807 - Next Gen Acoust Dorado                 | TBD (ITD-Video Support)      | ITD-Video Support              | 55                   |
| <b>901807 - Next Gen Acoust Dorado Total</b>    |                              |                                | <b>1185</b>          |
| 901809 - Deep Sea Bioinspiration                | Daniels, Joost - 1092        | ENG - Research Eng Tech        | 2080                 |
| 901809 - Deep Sea Bioinspiration                | Raanan, Ben - 0992           | ENG-Associate Engineer         | 250                  |
| 901809 - Deep Sea Bioinspiration                | Klimov, Denis - 0566         | ENG-Electrical Engineer        | 300                  |
| 901809 - Deep Sea Bioinspiration                | Sherman, Alana - 0590        | ENG-Electrical Engineer        | 350                  |
| 901809 - Deep Sea Bioinspiration                | Marion, Thomas - 0553        | ENG-Electrical Tech            | 80                   |

| Project Name                                       | Employee                       | Labor Category                 | Total Budgeted Hours |
|----------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| 901809 - Deep Sea Bioinspiration                   | Rosal, Jose - 0591             | ENG-Electrical Tech            | 40                   |
| 901809 - Deep Sea Bioinspiration                   | Erickson, Jon - 0191           | ENG-Mechanical Engineer        | 160                  |
| 901809 - Deep Sea Bioinspiration                   | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 80                   |
| 901809 - Deep Sea Bioinspiration                   | Graves, Dale - 0334            | ENG-Mechanical Eng-Mfg         | 240                  |
| 901809 - Deep Sea Bioinspiration                   | Flores, Frank - 0461           | ENG-Mechanical Tech            | 160                  |
| 901809 - Deep Sea Bioinspiration                   | Schnittger, Aaron - 0857       | ENG-Mechanical Tech            | 200                  |
| 901809 - Deep Sea Bioinspiration                   | TBD (ENG-Mechanical Tech)      | ENG-Mechanical Tech            | 60                   |
| 901809 - Deep Sea Bioinspiration                   | Young, Kakani Katija - 0998    | ENG-Principal Engineer         | 2080                 |
| 901809 - Deep Sea Bioinspiration                   | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 40                   |
| 901809 - Deep Sea Bioinspiration                   | Risi, Michael - 0444           | ENG-Software Engineer-Embedded | 160                  |
| 901809 - Deep Sea Bioinspiration                   | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 340                  |
| 901809 - Deep Sea Bioinspiration                   | Gomes, Kevin - 0502            | ENG-Software Eng-Info Eng      | 40                   |
| 901809 - Deep Sea Bioinspiration                   | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 100                  |
| 901809 - Deep Sea Bioinspiration                   | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 80                   |
| 901809 - Deep Sea Bioinspiration                   | Lundsten, Lonny - 0519         | ITD-Video Support              | 100                  |
| 901809 - Deep Sea Bioinspiration                   | Schlining, Kyra - 0111         | ITD-Video Support              | 100                  |
| 901809 - Deep Sea Bioinspiration                   | von Thun, Susan - 0495         | ITD-Video Support              | 150                  |
| <b>901809 - Deep Sea Bioinspiration Total</b>      |                                |                                | <b>7190</b>          |
| 901817 - Marine Biogeochemistry Pr                 | Carranza, Magdalena - New Hire | SCI-Post Doc/RA                | 1803                 |
| 901817 - Marine Biogeochemistry Pr                 | Blum, Marguerite - 0571        | SCI-Research Tech              | 220                  |
| 901817 - Marine Biogeochemistry Pr                 | Long, Jacqueline - 1095        | SCI-Research Tech              | 632                  |
| 901817 - Marine Biogeochemistry Pr                 | Fassbender, Andrea - 1058      | SCI-Scientist                  | 1202                 |
| <b>901817 - Marine Biogeochemistry Pr Total</b>    |                                |                                | <b>3857</b>          |
| 901902 - Aerial Drones for Sci&MO                  | Erwin, Benjamin - 0912         | DMO-Doc Ricketts Support       | 200                  |
| 901902 - Aerial Drones for Sci&MO                  | Touryan-Schaefer, Bryan - 0588 | DMO-Doc Ricketts Support       | 12                   |
| 901902 - Aerial Drones for Sci&MO                  | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 15                   |
| 901902 - Aerial Drones for Sci&MO                  | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 320                  |
| <b>901902 - Aerial Drones for Sci&amp;MO Total</b> |                                |                                | <b>547</b>           |
| 901903 - Bio Raman                                 | Klimov, Denis - 0566           | ENG-Electrical Engineer        | 40                   |
| 901903 - Bio Raman                                 | TBD (ENG-Machinist)            | ENG-Machinist                  | 80                   |
| 901903 - Bio Raman                                 | Kirkwood, William - 0205       | ENG-Mechanical Eng-Division    | 480                  |
| 901903 - Bio Raman                                 | Peltzer, Edward - 0264         | SCI-Research Specialist        | 400                  |
| 901903 - Bio Raman                                 | Waluk, Chad - 1046             | SCI-Research Specialist        | 40                   |
| <b>901903 - Bio Raman Total</b>                    |                                |                                | <b>1040</b>          |
| 901904 - Deep-Sea Coral Comm Obsv                  | McGill, Paul - 0331            | ENG-Electrical Engineer        | 240                  |
| 901904 - Deep-Sea Coral Comm Obsv                  | Sherman, Alana - 0590          | ENG-Electrical Engineer        | 240                  |
| 901904 - Deep-Sea Coral Comm Obsv                  | TBD (ENG-Electrical Tech)      | ENG-Electrical Tech            | 90                   |
| 901904 - Deep-Sea Coral Comm Obsv                  | TBD (ENG-Machinist)            | ENG-Machinist                  | 40                   |

| Project Name                                    | Employee                       | Labor Category                 | Total Budgeted Hours |
|-------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| 901904 - Deep-Sea Coral Comm Obsv               | Graves, Dale - 0334            | ENG-Mechanical Eng-Mfg         | 160                  |
| 901904 - Deep-Sea Coral Comm Obsv               | TBD (ENG-Mechanical Tech)      | ENG-Mechanical Tech            | 300                  |
| 901904 - Deep-Sea Coral Comm Obsv               | Henthorn, Richard - 0414       | ENG-Software Engineer-Embedded | 160                  |
| 901904 - Deep-Sea Coral Comm Obsv               | Litvin, Steven - 1062          | SCI-Research Specialist        | 240                  |
| 901904 - Deep-Sea Coral Comm Obsv               | Lovera, Christopher - 0116     | SCI-Research Tech              | 240                  |
| 901904 - Deep-Sea Coral Comm Obsv               | Barry, James - 0214            | SCI-Scientist                  | 240                  |
| <b>901904 - Deep-Sea Coral Comm Obsv Total</b>  |                                |                                | 1950                 |
| 901909 - NH4- & DIC-Digiscan                    | Parker, Michael - 0200         | ENG-Associate Engineer         | 80                   |
| 901909 - NH4- & DIC-Digiscan                    | Jensen, Scott - 0415           | ENG-Electrical Engineer        | 160                  |
| 901909 - NH4- & DIC-Digiscan                    | TBD (ENG-Electrical Tech)      | ENG-Electrical Tech            | 80                   |
| 901909 - NH4- & DIC-Digiscan                    | TBD (ENG-Machinist)            | ENG-Machinist                  | 40                   |
| <b>901909 - NH4- &amp; DIC-Digiscan Total</b>   |                                |                                | 360                  |
| 901910 - Plankton Taxonomic GrpAUV              | Raanan, Ben - 0992             | ENG-Associate Engineer         | 120                  |
| 901910 - Plankton Taxonomic GrpAUV              | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 300                  |
| 901910 - Plankton Taxonomic GrpAUV              | Messie, Monique - 0730         | SCI-Research Specialist        | 350                  |
| <b>901910 - Plankton Taxonomic GrpAUV Total</b> |                                |                                | 770                  |
| 901911 - ROVVR                                  | Erwin, Benjamin - 0912         | DMO-Doc Ricketts Support       | 200                  |
| 901911 - ROVVR                                  | Martin, Eric - 0873            | ENG-Electrical Engineer        | 350                  |
| 901911 - ROVVR                                  | TBD (ENG-Machinist)            | ENG-Machinist                  | 40                   |
| 901911 - ROVVR                                  | Risi, Michael - 0444           | ENG-Software Engineer-Embedded | 120                  |
| <b>901911 - ROVVR Total</b>                     |                                |                                | 710                  |
| 901913 - Wet Wifi                               | Trauschke, Erik - 1024         | DMO-AUV Support                | 40                   |
| 901913 - Wet Wifi                               | Wahl, Christopher - 0813       | DMO-AUV Support                | 40                   |
| 901913 - Wet Wifi                               | Erickson, Jon - 0191           | ENG-Mechanical Engineer        | 80                   |
| 901913 - Wet Wifi                               | Kemp, Mathieu - 1025           | ENG-Principal Engineer         | 120                  |
| 901913 - Wet Wifi                               | Roman, Brent - 0435            | ENG-Software Engineer-Embedded | 120                  |
| <b>901913 - Wet Wifi Total</b>                  |                                |                                | 400                  |
| 901915 - Improving MBARI Data Impa              | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Gomes, Kevin - 0502            | ENG-Software Eng-Info Eng      | 360                  |
| 901915 - Improving MBARI Data Impa              | McCann, Michael - 0335         | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Schramm, Richard - 0173        | ENG-Software Eng-Info Eng      | 280                  |
| 901915 - Improving MBARI Data Impa              | Salamy, Karen - 0178           | ENG-Software Tech              | 280                  |
| <b>901915 - Improving MBARI Data Impa Total</b> |                                |                                | 2320                 |
| 902000 - Multi-Spectral StealthCam              | Figurski, Jared - 0909         | DMO-Observatory Support        | 80                   |
| 902000 - Multi-Spectral StealthCam              | Kecy, Chad - 0758              | ENG-Electrical Engineer        | 560                  |

| Project Name                                        | Employee                       | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------------|--------------------------------|--------------------------------|----------------------|
| 902000 - Multi-Spectral StealthCam                  | Coenen, Paul - 0491            | ENG-Electrical Tech            | 80                   |
| 902000 - Multi-Spectral StealthCam                  | Montgomery, James - 0754       | ENG-Electrical Tech            | 200                  |
| 902000 - Multi-Spectral StealthCam                  | Tynes, Mark - 0885             | ENG-Machinist                  | 200                  |
| 902000 - Multi-Spectral StealthCam                  | Cazenave, Francois - 0735      | ENG-Mechanical Engineer        | 200                  |
| 902000 - Multi-Spectral StealthCam                  | Graves, Dale - 0334            | ENG-Mechanical Eng-Mfg         | 120                  |
| 902000 - Multi-Spectral StealthCam                  | Schnittger, Aaron - 0857       | ENG-Mechanical Tech            | 160                  |
| 902000 - Multi-Spectral StealthCam                  | Maughan, Thomas - 0774         | ENG-Software Engineer-Embedded | 220                  |
| <b>902000 - Multi-Spectral StealthCam Total</b>     |                                |                                | <b>1820</b>          |
| 902001 - 4K ROV Camera Development                  | Erwin, Benjamin - 0912         | DMO-Doc Ricketts Support       | 6                    |
| 902001 - 4K ROV Camera Development                  | Conway, Michael - 0290         | DMO-Marine Ops Tech            | 6                    |
| 902001 - 4K ROV Camera Development                  | Osborne, Denver - 0391         | DMO-Ventana Support            | 4                    |
| 902001 - 4K ROV Camera Development                  | Chaffey, Mark - 0118           | ENG-Electrical Engineer        | 1080                 |
| 902001 - 4K ROV Camera Development                  | Rosal, Jose - 0591             | ENG-Electrical Tech            | 90                   |
| 902001 - 4K ROV Camera Development                  | Thompson, Ford - 0534          | ENG-Machinist                  | 322                  |
| 902001 - 4K ROV Camera Development                  | Cazenave, Francois - 0735      | ENG-Mechanical Engineer        | 300                  |
| 902001 - 4K ROV Camera Development                  | Henthorn, Richard - 0414       | ENG-Software Engineer-Embedded | 300                  |
| 902001 - 4K ROV Camera Development                  | Lundsten, Lonny - 0519         | ITD-Video Support              | 50                   |
| <b>902001 - 4K ROV Camera Development Total</b>     |                                |                                | <b>2158</b>          |
| 902002 - Fathomnet Detect and Classify              | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 200                  |
| 902002 - Fathomnet Detect and Classify              | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 680                  |
| 902002 - Fathomnet Detect and Classify              | Lundsten, Lonny - 0519         | ITD-Video Support              | 400                  |
| 902002 - Fathomnet Detect and Classify              | TBD (ITD-Video Support)        | ITD-Video Support              | 1500                 |
| <b>902002 - Fathomnet Detect and Classify Total</b> |                                |                                | <b>2780</b>          |
| 902004 - Planktivore                                | Klimov, Denis - 0566           | ENG-Electrical Engineer        | 480                  |
| 902004 - Planktivore                                | Rosal, Jose - 0591             | ENG-Electrical Tech            | 40                   |
| 902004 - Planktivore                                | TBD (ENG-Machinist)            | ENG-Machinist                  | 80                   |
| 902004 - Planktivore                                | Erickson, Jon - 0191           | ENG-Mechanical Engineer        | 360                  |
| 902004 - Planktivore                                | Maughan, Thomas - 0774         | ENG-Software Engineer-Embedded | 520                  |
| 902004 - Planktivore                                | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 80                   |
| 902004 - Planktivore                                | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 380                  |
| <b>902004 - Planktivore Total</b>                   |                                |                                | <b>1940</b>          |
| 902005 - VARS Annotation Assistance                 | Cline, Danelle - 0267          | ENG-Software Eng-Info Eng      | 480                  |
| 902005 - VARS Annotation Assistance                 | Edgington, Duane - 0233        | ENG-Software Eng-Info Eng      | 100                  |
| 902005 - VARS Annotation Assistance                 | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 20                   |
| 902005 - VARS Annotation Assistance                 | Schlining, Brian - 0192        | ENG-Software Eng-Info Eng      | 760                  |
| 902005 - VARS Annotation Assistance                 | Salamy, Karen - 0178           | ENG-Software Tech              | 80                   |
| <b>902005 - VARS Annotation Assistance Total</b>    |                                |                                | <b>1440</b>          |
| 902006 - 2021 Gulf Expedition                       | Caress, David - 0310           | ENG-Principal Engineer         | 80                   |

| Project Name                                  | Employee                       | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------|--------------------------------|--------------------------------|----------------------|
| <b>902006 - 2021 Gulf Expedition Total</b>    |                                |                                | 80                   |
| 902007 - Iridium NEXT evaluation              | Wahl, Christopher - 0813       | DMO-AUV Support                | 80                   |
| 902007 - Iridium NEXT evaluation              | Chaffey, Mark - 0118           | ENG-Electrical Engineer        | 10                   |
| 902007 - Iridium NEXT evaluation              | TBD (ENG-Electrical Tech)      | ENG-Electrical Tech            | 15                   |
| 902007 - Iridium NEXT evaluation              | TBD (ENG-Machinist)            | ENG-Machinist                  | 15                   |
| 902007 - Iridium NEXT evaluation              | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 40                   |
| 902007 - Iridium NEXT evaluation              | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 100                  |
| <b>902007 - Iridium NEXT evaluation Total</b> |                                |                                | 260                  |
| 902008 - Multi Vehicle Sim                    | Raanan, Ben - 0992             | ENG-Associate Engineer         | 320                  |
| 902008 - Multi Vehicle Sim                    | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 20                   |
| 902008 - Multi Vehicle Sim                    | Zhang, Yanwu - 0641            | ENG-Research Engineer          | 40                   |
| 902008 - Multi Vehicle Sim                    | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 60                   |
| 902008 - Multi Vehicle Sim                    | McEwen, Robert - 0119          | ENG-Software Engineer-Embedded | 100                  |
| 902008 - Multi Vehicle Sim                    | Ryan, John - 0307              | SCI-Research Specialist        | 40                   |
| <b>902008 - Multi Vehicle Sim Total</b>       |                                |                                | 580                  |
| 902009 - AUV UI                               | Raanan, Ben - 0992             | ENG-Associate Engineer         | 80                   |
| 902009 - AUV UI                               | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 40                   |
| 902009 - AUV UI                               | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 80                   |
| 902009 - AUV UI                               | O'Reilly, Thomas - 0324        | ENG-Software Engineer-Embedded | 40                   |
| 902009 - AUV UI                               | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 100                  |
| <b>902009 - AUV UI Total</b>                  |                                |                                | 340                  |
| 902010 - Mesopelagic LRAUV                    | Erickson, Jon - 0191           | ENG-Mechanical Engineer        | 504                  |
| 902010 - Mesopelagic LRAUV                    | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 149.6666667          |
| 902010 - Mesopelagic LRAUV                    | Zhang, Yanwu - 0641            | ENG-Research Engineer          | 40                   |
| <b>902010 - Mesopelagic LRAUV Total</b>       |                                |                                | 693.6666667          |
| 902011 - Jupiter CO2 Collab                   | Long, Jacqueline - 1095        | SCI-Research Tech              | 150                  |
| 902011 - Jupiter CO2 Collab                   | Fassbender, Andrea - 1058      | SCI-Scientist                  | 150                  |
| <b>902011 - Jupiter CO2 Collab Total</b>      |                                |                                | 300                  |
| DQ1802 - PMEL DIC-pCO2 System                 | Long, Jacqueline - 1095        | SCI-Research Tech              | 195                  |
| <b>DQ1802 - PMEL DIC-pCO2 System Total</b>    |                                |                                | 195                  |
| DQ1865 - Bryde Whale                          | Roman, Brent - 0435            | ENG-Software Engineer-Embedded | 40                   |
| DQ1865 - Bryde Whale                          | Marin III, Roman - 0344        | SCI-Research Tech              | 320                  |
| <b>DQ1865 - Bryde Whale Total</b>             |                                |                                | 360                  |
| DQ1875 - NOAA Merhab                          | Jensen, Scott - 0415           | ENG-Electrical Engineer        | 20                   |
| DQ1875 - NOAA Merhab                          | Roman, Brent - 0435            | ENG-Software Engineer-Embedded | 135                  |
| <b>DQ1875 - NOAA Merhab Total</b>             |                                |                                | 155                  |
| DQ1904 - NOPP Saildrone                       | Jensen, Scott - 0415           | ENG-Electrical Engineer        | 80                   |
| DQ1904 - NOPP Saildrone                       | Pargett, Douglas - 0691        | ENG-Mechanical Engineer        | 160                  |

| Project Name                                  | Employee                       | Labor Category                 | Total Budgeted Hours |
|-----------------------------------------------|--------------------------------|--------------------------------|----------------------|
| DQ1904 - NOPP Saildrone                       | Roman, Brent - 0435            | ENG-Software Engineer-Embedded | 80                   |
| DQ1904 - NOPP Saildrone                       | Preston, Christina - 0389      | SCI-Research Specialist        | 80                   |
| DQ1904 - NOPP Saildrone                       | Marin III, Roman - 0344        | SCI-Research Tech              | 10                   |
| <b>DQ1904 - NOPP Saildrone Total</b>          |                                |                                | 410                  |
| DQ1925 - NOAA Ecohab                          | Trauschke, Erik - 1024         | DMO-AUV Support                | 80                   |
| DQ1925 - NOAA Ecohab                          | Wahl, Christopher - 0813       | DMO-AUV Support                | 80                   |
| DQ1925 - NOAA Ecohab                          | Birch, James - 0732            | ENG-Mechanical Eng-Division    | 80                   |
| DQ1925 - NOAA Ecohab                          | Pargett, Douglas - 0691        | ENG-Mechanical Engineer        | 40                   |
| DQ1925 - NOAA Ecohab                          | Roman, Brent - 0435            | ENG-Software Engineer-Embedded | 80                   |
| DQ1925 - NOAA Ecohab                          | Preston, Christina - 0389      | SCI-Research Specialist        | 160                  |
| DQ1925 - NOAA Ecohab                          | Ryan, John - 0307              | SCI-Research Specialist        | 80                   |
| DQ1925 - NOAA Ecohab                          | Ussler III, William - 0364     | SCI-Research Specialist        | 160                  |
| DQ1925 - NOAA Ecohab                          | Marin III, Roman - 0344        | SCI-Research Tech              | 80                   |
| <b>DQ1925 - NOAA Ecohab Total</b>             |                                |                                | 840                  |
| DQ1928 - Cen Coast Acidification              | Long, Jacqueline - 1095        | SCI-Research Tech              | 150                  |
| DQ1928 - Cen Coast Acidification              | Fassbender, Andrea - 1058      | SCI-Scientist                  | 150                  |
| <b>DQ1928 - Cen Coast Acidification Total</b> |                                |                                | 300                  |
| DQ1935 - Goodwin eDNA II                      | Trauschke, Erik - 1024         | DMO-AUV Support                | 140                  |
| DQ1935 - Goodwin eDNA II                      | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 160                  |
| DQ1935 - Goodwin eDNA II                      | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 160                  |
| DQ1935 - Goodwin eDNA II                      | Preston, Christina - 0389      | SCI-Research Specialist        | 160                  |
| DQ1935 - Goodwin eDNA II                      | Ussler III, William - 0364     | SCI-Research Specialist        | 160                  |
| <b>DQ1935 - Goodwin eDNA II Total</b>         |                                |                                | 780                  |
| DQ1938 - DHS Acoustics                        | Raanan, Ben - 0992             | ENG-Associate Engineer         | 175                  |
| DQ1938 - DHS Acoustics                        | Hobson, Brett - 0651           | ENG-Mechanical Engineer        | 175                  |
| DQ1938 - DHS Acoustics                        | Kieft, Brian - 0712            | ENG-Software Engineer-Embedded | 350                  |
| DQ1938 - DHS Acoustics                        | Rueda-Velasquez, Carlos - 0800 | ENG-Software Eng-Info Eng      | 130                  |
| <b>DQ1938 - DHS Acoustics Total</b>           |                                |                                | 830                  |
| <b>Grand Total</b>                            |                                |                                | 209805.0667          |