

| num | studName | event number | Departure           | Departure           | event grouping | cast number | activity            | event name | lat dec (rec) | lon dec (rec) | grid line | calc1 | calc2 | operator | comments (rec) | notes |  |
|-----|----------|--------------|---------------------|---------------------|----------------|-------------|---------------------|------------|---------------|---------------|-----------|-------|-------|----------|----------------|-------|--|
| 1   | P1108W   | 0.1          | 2011-06-18 20:00:00 | 2011-06-18 20:00:00 | Departure      |             | SAN DIEGO DEPARTURE | 32.0075    | -117.2368     | 84.4          | EC        |       |       |          |                |       |  |
| 2   | P1108W   | 0.2          | 2011-06-18 20:00:00 | 2011-06-18 20:00:00 | Departure      |             | ADCP                | 32.70215   | -117.48325    | 84.0          | 30.5      |       |       |          |                |       |  |
| 3   | P1108W   | 0.3          | 2011-06-18 22:14:00 | 2011-07-08 18:14:00 | ADCP           |             | ADCP STOP           | 33.2497    | -121.24120    | 84.4          | 67.2      |       |       |          |                |       |  |
| 4   | P1108W   | 0.4          | 2011-06-18 22:23:00 | 2011-07-08 18:16:00 | ADCP           |             | ADCP START          | 33.2505    | -121.24190    | 84.4          | 67.2      |       |       |          |                |       |  |
| 5   | P1108W   | 1            | 2011-06-18 22:33:00 | 2011-06-18 22:33:00 | Test           |             | TM-ROSETTE          | 32.62416   | -118.08710    | 81.8          | 35.4      |       |       |          |                |       |  |
| 6   | P1108W   | 2            | 2011-06-18 22:33:00 | 2011-06-18 22:33:00 | Test           |             | TM-ROSETTE          | 32.62416   | -118.08720    | 81.8          | 35.4      |       |       |          |                |       |  |
| 7   | P1108W   | 3            | 2011-06-19 00:25:00 | 2011-06-18 17:25:00 | Test           |             | CTD                 | 32.62413   | -118.08710    | 81.8          | 35.4      |       |       |          |                |       |  |
| 8   | P1108W   | 4            | 2011-06-19 00:25:00 | 2011-06-18 17:53:00 | Test           |             | CTD                 | 32.62414   | -118.08710    | 81.8          | 35.4      |       |       |          |                |       |  |
| 9   | P1108W   | 5            | 2011-06-19 01:11:00 | 2011-06-18 18:11:00 | Test           |             | TM-ROSETTE          | 32.62414   | -118.08720    | 81.8          | 35.4      |       |       |          |                |       |  |
| 10  | P1108W   | 6            | 2011-06-19 01:27:00 | 2011-06-18 18:27:00 | Test           |             | TM-ROSETTE          | 32.62413   | -118.08710    | 81.8          | 35.4      |       |       |          |                |       |  |
| 11  | P1108W   | 7            | 2011-06-19 01:41:00 | 2011-06-18 18:41:00 | Test           |             | CTD                 | 33.07555   | -118.08710    | 81.2          | 34.3      |       |       |          |                |       |  |
| 12  | P1108W   | 8            | 2011-06-19 01:53:00 | 2011-06-18 18:53:00 | Test           |             | CTD                 | 33.07555   | -118.47130    | 80.3          | 38.7      |       |       |          |                |       |  |
| 13  | P1108W   | 9            | 2011-06-19 02:03:00 | 2011-06-18 19:03:00 | Test           |             | CTD                 | 33.07555   | -118.47130    | 80.3          | 38.7      |       |       |          |                |       |  |
| 14  | P1108W   | 10           | 2011-06-19 02:44:00 | 2011-06-18 19:44:00 | Test           |             | CTD                 | 33.07555   | -118.47130    | 80.3          | 38.7      |       |       |          |                |       |  |
| 15  | P1108W   | 11           | 2011-06-19 03:05:00 | 2011-06-18 20:05:00 | Test           |             | BONGO               | 33.07555   | -118.47130    | 80.3          | 38.7      |       |       |          |                |       |  |
| 16  | P1108W   | 12           | 2011-06-19 03:26:00 | 2011-06-18 20:26:00 | Test           |             | BONGO               | 33.07555   | -118.47130    | 80.3          | 38.7      |       |       |          |                |       |  |
| 17  | P1108W   | 13           | 2011-06-20 03:58:00 | 2011-06-19 20:58:00 | Uniform 1      | 2           | CTD                 | 33.88982   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 18  | P1108W   | 14           | 2011-06-20 04:23:00 | 2011-06-19 21:23:00 | Uniform 1      | 2           | CTD                 | 33.88982   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 19  | P1108W   | 15           | 2011-06-20 04:23:00 | 2011-06-19 21:23:00 | Uniform 1      | 2           | CTD                 | 33.88982   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 20  | P1108W   | 16           | 2011-06-20 04:26:00 | 2011-06-19 21:26:00 | Uniform 1      | 1           | BONGO               | 33.88978   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 21  | P1108W   | 17           | 2011-06-20 04:40:00 | 2011-06-19 21:40:00 | Uniform 1      | 1           | BONGO               | 33.88983   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 22  | P1108W   | 18           | 2011-06-20 04:47:00 | 2011-06-19 21:47:00 | Uniform 1      | 1           | BONGO               | 33.88982   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 23  | P1108W   | 19           | 2011-06-20 05:01:00 | 2011-06-19 22:01:00 | Uniform 1      | 1           | TM POLE             | 33.89895   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 24  | P1108W   | 20           | 2011-06-20 05:29:00 | 2011-06-19 22:29:00 | Uniform 1      | 3           | CTD                 | 33.90488   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 25  | P1108W   | 21           | 2011-06-20 05:42:00 | 2011-06-19 22:42:00 | Uniform 1      | 3           | CTD                 | 33.90487   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 26  | P1108W   | 22           | 2011-06-20 05:52:00 | 2011-06-19 22:52:00 | Uniform 1      | 3           | CTD                 | 33.90489   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 27  | P1108W   | 23           | 2011-06-20 06:01:00 | 2011-06-19 23:01:00 | Uniform 1      | 2           | BONGO               | 33.90487   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 28  | P1108W   | 24           | 2011-06-20 06:05:00 | 2011-06-19 23:05:00 | Uniform 1      | 2           | BONGO               | 33.90487   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 29  | P1108W   | 25           | 2011-06-20 06:11:00 | 2011-06-19 23:11:00 | Uniform 1      | 2           | BONGO               | 33.90488   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 30  | P1108W   | 26           | 2011-06-20 06:20:00 | 2011-06-19 23:20:00 | Uniform 1      | 2           | TM POLE             | 33.90488   | -122.08320    | 79.1          | 71.9      |       |       |          |                |       |  |
| 31  | P1108W   | 27           | 2011-06-20 06:41:00 | 2011-06-19 23:41:00 | Uniform 1      | 4           | CTD                 | 33.90990   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 32  | P1108W   | 28           | 2011-06-20 07:00:00 | 2011-06-20 00:00:00 | Uniform 1      | 4           | CTD                 | 33.90995   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 33  | P1108W   | 29           | 2011-06-20 07:00:00 | 2011-06-20 00:00:00 | Uniform 1      | 4           | CTD                 | 33.90995   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 34  | P1108W   | 30           | 2011-06-20 07:12:00 | 2011-06-20 00:12:00 | Uniform 1      | 3           | BONGO               | 33.90993   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 35  | P1108W   | 31           | 2011-06-20 07:25:00 | 2011-06-20 00:25:00 | Uniform 1      | 3           | BONGO               | 33.91023   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 36  | P1108W   | 32           | 2011-06-20 07:26:00 | 2011-06-20 00:26:00 | Uniform 1      | 3           | TM POLE             | 33.91002   | -122.06650    | 79.1          | 71.7      |       |       |          |                |       |  |
| 37  | P1108W   | 33           | 2011-06-20 07:40:00 | 2011-06-20 00:40:00 | Uniform 1      | 3           | CTD                 | 33.91498   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 38  | P1108W   | 34           | 2011-06-20 08:08:00 | 2011-06-20 01:08:00 | Uniform 1      | 5           | CTD                 | 33.91493   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 39  | P1108W   | 35           | 2011-06-20 08:20:00 | 2011-06-20 01:20:00 | Uniform 1      | 5           | CTD                 | 33.91498   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 40  | P1108W   | 36           | 2011-06-20 08:26:00 | 2011-06-20 01:26:00 | Uniform 1      | 4           | BONGO               | 33.91492   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 41  | P1108W   | 37           | 2011-06-20 08:39:00 | 2011-06-20 01:39:00 | Uniform 1      | 4           | BONGO               | 33.91472   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 42  | P1108W   | 38           | 2011-06-20 09:01:00 | 2011-06-20 01:44:00 | Uniform 1      | 6           | TM POLE             | 33.91485   | -122.04990    | 79.1          | 71.5      |       |       |          |                |       |  |
| 43  | P1108W   | 39           | 2011-06-20 09:11:00 | 2011-06-20 02:11:00 | Uniform 1      | 6           | CTD                 | 33.91983   | -122.03320    | 79.2          | 71.3      |       |       |          |                |       |  |
| 44  | P1108W   | 40           | 2011-06-20 09:26:00 | 2011-06-20 02:26:00 | Uniform 1      | 6           | CTD                 | 33.91983   | -122.03320    | 79.2          | 71.3      |       |       |          |                |       |  |
| 45  | P1108W   | 41           | 2011-06-20 09:34:00 | 2011-06-20 02:34:00 | Uniform 1      | 6           | CTD                 | 33.91983   | -122.03320    | 79.2          | 71.3      |       |       |          |                |       |  |
| 46  | P1108W   | 42           | 2011-06-20 09:41:00 | 2011-06-20 02:41:00 | Uniform 1      | 6           | BONGO               | 33.91983   | -122.03320    | 79.2          | 71.3      |       |       |          |                |       |  |
| 47  | P1108W   | 43           | 2011-06-20 09:54:00 | 2011-06-20 02:54:00 | Uniform 1      | 5           | BONGO               | 33.91990   | -122.03320    | 79.2          | 71.3      |       |       |          |                |       |  |
| 48  | P1108W   | 44           | 2011-06-20 09:57:00 | 2011-06-20 02:57:00 | Uniform 1      | 5           | TM POLE             | 33.91942   | -122.03270    | 79.2          | 71.3      |       |       |          |                |       |  |
| 49  | P1108W   | 45           | 2011-06-20 10:00:00 | 2011-06-20 03:00:00 | Uniform 1      | 5           | CTD                 | 33.92488   | -122.01680    | 79.2          | 71.1      |       |       |          |                |       |  |
| 50  | P1108W   | 46           | 2011-06-20 10:48:00 | 2011-06-20 03:48:00 | Uniform 1      | 7           | CTD                 | 33.92485   | -122.01680    | 79.2          | 71.1      |       |       |          |                |       |  |
| 51  | P1108W   | 47           | 2011-06-20 11:07:00 | 2011-06-20 04:07:00 | Uniform 1      | 6           | BONGO               | 33.92486   | -122.01680    | 79.2          | 71.1      |       |       |          |                |       |  |
| 52  | P1108W   | 48           | 2011-06-20 11:17:00 | 2011-06-20 04:17:00 | Uniform 1      | 6           | BONGO               | 33.92486   | -122.01680    | 79.2          | 71.1      |       |       |          |                |       |  |
| 53  | P1108W   | 49           | 2011-06-20 11:21:00 | 2011-06-20 04:21:00 | Uniform 1      | 6           | BONGO               | 33.92447   | -122.01610    | 79.2          | 71.0      |       |       |          |                |       |  |
| 54  | P1108W   | 50           | 2011-06-20 12:24:00 | 2011-06-20 05:24:00 | Uniform 1      | 8           | CTD                 | 33.91023   | -122.09990    | 79.1          | 72.1      |       |       |          |                |       |  |
| 55  | P1108W   | 51           | 2011-06-20 14:46:00 | 2011-06-20 08:46:00 | Uniform 1      | 8           | CTD                 | 33.92927   | -121.98970    | 79.2          | 70.8      |       |       |          |                |       |  |
| 56  | P1108W   | 52           | 2011-06-20 15:00:00 | 2011-06-20 09:00:00 | Uniform 1      | 8           | CTD                 | 33.92927   | -121.98970    | 79.2          | 70.8      |       |       |          |                |       |  |
| 57  | P1108W   | 53           | 2011-06-21 07:47:00 | 2011-06-21 00:47:00 | Survey 1       | 1           | SEASPAR             | 34.27862   | -121.77890    | 82.2          | 65.8      |       |       |          |                |       |  |
| 58  | P1108W   | 54           | 2011-06-21 08:44:00 | 2011-06-21 01:44:00 | Survey 1       | 1           | SEASPAR             | 34.27862   | -121.77890    | 82.2          | 65.8      |       |       |          |                |       |  |
| 59  | P1108W   | 55           | 2011-06-21 17:43:00 | 2011-06-21 10:43:00 | Survey 1       | 1           | MVP                 | 34.02133   | -121.11320    | 80.7          | 60.7      |       |       |          |                |       |  |
| 60  | P1108W   | 56           | 2011-06-21 19:06:00 | 2011-06-21 12:06:00 | Survey 1       | 1           | MVP                 | 34.02127   | -121.20430    | 80.0          | 61.7      |       |       |          |                |       |  |
| 61  | P1108W   | 57           | 2011-06-21 21:42:00 | 2011-06-21 14:42:00 | Cycle 1        | 9           | CTD                 | 34.02098   | -121.69680    | 79.3          | 66.7      |       |       |          |                |       |  |
| 62  | P1108W   | 58           | 2011-06-21 22:05:00 | 2011-06-21 15:05:00 | Cycle 1        | 9           | CTD                 | 34.02093   | -121.69680    | 79.3          | 66.7      |       |       |          |                |       |  |
| 63  | P1108W   | 59           | 2011-06-21 22:25:00 | 2011-06-21 15:25:00 | Cycle 1        | 9           | CTD                 | 34.02098   | -121.69680    | 79.3          | 66.7      |       |       |          |                |       |  |
| 64  | P1108W   | 60           | 2011-06-21 23:00:00 | 2011-06-21 16:00:00 | Cycle 1        | 1           | OOZEKI              | 34.04293   | -121.70200    | 79.3          | 66.8      |       |       |          |                |       |  |
| 65  | P1108W   | 60.2         | 2011-06-24 09:49:00 | 2011-06-23 23:49:00 | Cycle 1        | 1           | OOZEKI              | 34.13070   | -121.70370    | 79.8          | 66.6      |       |       |          |                |       |  |
| 66  | P1108W   | 61           | 2011-06-24 09:57:00 | 2011-06-23 23:57:00 | Cycle 1        | 1           | SETRAP              | 34.09692   | -121.70200    | 79.3</        |           |       |       |          |                |       |  |

|     |         |     |                     |                     |         |    |    |            |                                 |          |            |      |      |    |
|-----|---------|-----|---------------------|---------------------|---------|----|----|------------|---------------------------------|----------|------------|------|------|----|
| 184 | P1106MV | 179 | 2011-06-28 02:07:00 | 2011-06-27 19:07:00 | Cycle 2 | 3  | 9  | Th PUMP    | THORIUM PUMP RECOVERED          | 33.49225 | -121.68180 | 81.7 | 70.7 | RV |
| 185 | P1106MV | 180 | 2011-06-28 02:04:00 | 2011-06-27 18:54:00 | Cycle 2 | 19 | 10 | CTD        | CTD DEPLOYED                    | 33.47772 | -121.69880 | 81.8 | 70.7 | EC |
| 186 | P1106MV | 181 | 2011-06-28 02:04:00 | 2011-06-27 20:04:00 | Cycle 2 | 19 | 10 | CTD        | CTD AT DEPTH                    | 33.51558 | -121.71340 | 81.8 | 70.7 | EC |
| 187 | P1106MV | 182 | 2011-06-28 02:14:00 | 2011-06-27 20:14:00 | Cycle 2 | 19 | 10 | CTD        | CTD RECOVERED                   | 33.51588 | -121.70880 | 81.8 | 70.8 | EC |
| 188 | P1106MV | 183 | 2011-06-28 02:07:00 | 2011-06-27 21:07:00 | Cycle 2 | 2  | 1  | BONGO      | BONGO DEPLOYED                  | 33.49225 | -121.68180 | 82.0 | 70.6 | EC |
| 189 | P1106MV | 184 | 2011-06-28 02:01:00 | 2011-06-27 22:21:00 | Cycle 2 | 2  | 1  | BONGO      | BONGO RECOVERED                 | 33.46612 | -121.64780 | 82.0 | 70.6 | EC |
| 190 | P1106MV | 185 | 2011-06-28 02:00:00 | 2011-06-27 23:03:00 | Cycle 2 | 2  | 1  | MOCNESS    | MOCNESS DEPLOYED                | 33.42077 | -121.67410 | 82.1 | 70.6 | EC |
| 191 | P1106MV | 186 | 2011-06-28 02:25:00 | 2011-06-28 00:25:00 | Cycle 2 | 5  | 5  | MOCNESS    | MOCNESS RECOVERED               | 33.45165 | -121.65680 | 82.0 | 70.8 | EC |
| 192 | P1106MV | 187 | 2011-06-28 02:00:00 | 2011-06-28 00:40:00 | Cycle 2 | 20 | 20 | CTD        | CTD DEPLOYED                    | 33.45165 | -121.65680 | 82.0 | 70.7 | EC |
| 193 | P1106MV | 188 | 2011-06-28 02:48:00 | 2011-06-28 00:48:00 | Cycle 2 | 20 | 20 | CTD        | CTD AT DEPTH                    | 33.45063 | -121.65530 | 82.0 | 70.7 | EC |
| 194 | P1106MV | 189 | 2011-06-28 02:14:00 | 2011-06-28 01:14:00 | Cycle 2 | 20 | 20 | CTD        | CTD RECOVERED                   | 33.44665 | -121.65180 | 82.0 | 70.7 | EC |
| 195 | P1106MV | 190 | 2011-06-28 02:00:00 | 2011-06-28 02:00:00 | Cycle 2 | 21 | 21 | CTD        | CTD DEPLOYED                    | 33.42108 | -121.62370 | 82.2 | 70.6 | EC |
| 196 | P1106MV | 191 | 2011-06-28 02:22:00 | 2011-06-28 02:22:00 | Cycle 2 | 21 | 21 | CTD        | CTD AT DEPTH                    | 33.42077 | -121.62420 | 82.2 | 70.6 | EC |
| 197 | P1106MV | 192 | 2011-06-28 02:00:00 | 2011-06-28 02:00:00 | Cycle 2 | 21 | 21 | CTD        | CTD RECOVERED                   | 33.41668 | -121.62250 | 82.2 | 70.6 | EC |
| 198 | P1106MV | 193 | 2011-06-28 10:03:00 | 2011-06-28 03:03:00 | Cycle 2 | 8  | 8  | TM-ROSETTE | TM ROSETTE DEPLOYED             | 33.41486 | -121.62120 | 82.2 | 70.6 | EC |
| 199 | P1106MV | 194 | 2011-06-28 10:17:00 | 2011-06-28 03:17:00 | Cycle 2 | 8  | 8  | TM-ROSETTE | TM ROSETTE AT DEPTH             | 33.47270 | -121.68540 | 81.8 | 70.7 | EC |
| 200 | P1106MV | 194 | 2011-06-28 10:17:00 | 2011-06-28 03:17:00 | Cycle 2 | 8  | 8  | TM-ROSETTE | TM ROSETTE RECOVERED            | 33.47270 | -121.68540 | 81.8 | 70.7 | EC |
| 201 | P1106MV | 195 | 2011-06-28 11:40:00 | 2011-06-28 04:40:00 | Cycle 2 | 53 | 53 | DRIFTARRAY | DRIFTARRAY RECOVERED            | 33.33810 | -121.54850 | 82.7 | 70.5 | EC |
| 202 | P1106MV | 195 | 2011-06-28 11:40:00 | 2011-06-28 04:40:00 | Cycle 2 | 54 | 54 | DRIFTARRAY | DRIFTARRAY DEPLOYED             | 33.34930 | -121.54720 | 82.7 | 70.6 | EC |
| 203 | P1106MV | 195 | 2011-06-28 13:00:00 | 2011-06-28 06:00:00 | Cycle 2 | 9  | 9  | TM-ROSETTE | TM ROSETTE DEPLOYED             | 33.35930 | -121.60289 | 82.3 | 70.6 | EC |
| 204 | P1106MV | 195 | 2011-06-28 13:00:00 | 2011-06-28 06:00:00 | Cycle 2 | 9  | 9  | TM-ROSETTE | TM ROSETTE RECOVERED            | 33.35930 | -121.60289 | 82.3 | 70.6 | EC |
| 205 | P1106MV | 195 | 2011-06-28 13:20:00 | 2011-06-28 06:20:00 | Cycle 2 | 9  | 9  | TM-ROSETTE | TM ROSETTE RECOVERED            | 33.37690 | -121.58443 | 82.4 | 70.5 | EC |
| 206 | P1106MV | 195 | 2011-06-28 14:40:00 | 2011-06-28 08:40:00 | Cycle 2 | 9  | 9  | ACOUSTIC   | ACOUSTIC TRANSDUCER DEPLOYED EC | 33.36218 | -121.57960 | 82.5 | 70.6 | EC |
| 207 | P1106MV | 196 | 2011-06-28 14:40:00 | 2011-06-28 08:40:00 | Cycle 2 | 4  | 4  | BONGO      | LIVE BONGO DEPLOYED             | 33.36218 | -121.57960 | 82.5 | 70.6 | EC |
| 208 | P1106MV | 197 | 2011-06-28 17:10:00 | 2011-06-28 10:10:00 | Cycle 2 | 4  | 4  | BONGO      | LIVE BONGO RECOVERED            | 33.36178 | -121.58500 | 82.5 | 70.7 | EC |
| 209 | P1106MV | 198 | 2011-06-28 17:10:00 | 2011-06-28 10:10:00 | Cycle 2 | 4  | 4  | BONGO      | BONGO RECOVERED                 | 33.36202 | -121.58630 | 82.5 | 70.7 | EC |
| 210 | P1106MV | 199 | 2011-06-28 17:43:00 | 2011-06-28 10:43:00 | Cycle 2 | 3  | 3  | BONGO      | BONGO RECOVERED                 | 33.36335 | -121.59490 | 82.5 | 70.8 | EC |
| 211 | P1106MV | 200 | 2011-06-28 18:18:00 | 2011-06-28 11:18:00 | Cycle 2 | 22 | 22 | CTD        | CTD DEPLOYED                    | 33.35910 | -121.57380 | 82.6 | 70.8 | EC |
| 212 | P1106MV | 201 | 2011-06-28 18:55:00 | 2011-06-28 11:55:00 | Cycle 2 | 22 | 22 | CTD        | CTD AT DEPTH                    | 33.35502 | -121.57020 | 82.6 | 70.5 | EC |
| 213 | P1106MV | 202 | 2011-06-28 19:28:00 | 2011-06-28 12:28:00 | Cycle 2 | 22 | 22 | CTD        | CTD RECOVERED                   | 33.35207 | -121.56880 | 82.6 | 70.5 | EC |
| 214 | P1106MV | 203 | 2011-06-28 21:43:00 | 2011-06-28 14:43:00 | Cycle 2 | 6  | 6  | MOCNESS    | MOCNESS DEPLOYED                | 33.33660 | -121.53320 | 82.7 | 70.3 | EC |
| 215 | P1106MV | 204 | 2011-06-28 21:22:00 | 2011-06-28 14:22:00 | Cycle 2 | 6  | 6  | MOCNESS    | MOCNESS RECOVERED               | 33.34785 | -121.56780 | 82.6 | 70.6 | EC |
| 216 | P1106MV | 205 | 2011-06-28 21:43:00 | 2011-06-28 14:43:00 | Cycle 2 | 7  | 7  | COZEKI     | COZEKI TRAWL DEPLOYED           | 33.34928 | -121.57180 | 82.6 | 70.6 | EC |
| 217 | P1106MV | 206 | 2011-06-28 03:30:00 | 2011-06-28 17:30:00 | Cycle 2 | 7  | 7  | COZEKI     | COZEKI TRAWL RECOVERED          | 33.34843 | -121.65080 | 82.2 | 71.1 | RV |
| 218 | P1106MV | 207 | 2011-06-28 02:54:00 | 2011-06-28 20:54:00 | Cycle 2 | 4  | 4  | BONGO      | BONGO DEPLOYED                  | 33.27275 | -121.90580 | 83.0 | 70.4 | EC |
| 219 | P1106MV | 208 | 2011-06-28 02:02:00 | 2011-06-28 21:02:00 | Cycle 2 | 7  | 7  | MOCNESS    | MOCNESS RECOVERED               | 33.27833 | -121.51880 | 83.0 | 70.3 | EC |
| 220 | P1106MV | 209 | 2011-06-28 02:02:00 | 2011-06-28 22:02:00 | Cycle 2 | 7  | 7  | MOCNESS    | MOCNESS DEPLOYED                | 33.29635 | -121.49830 | 83.2 | 70.4 | EC |
| 221 | P1106MV | 210 | 2011-06-28 02:50:00 | 2011-06-28 23:50:00 | Cycle 2 | 8  | 8  | COZEKI     | COZEKI TRAWL DEPLOYED           | 33.27422 | -121.52480 | 83.0 | 70.3 | EC |
| 222 | P1106MV | 211 | 2011-06-28 06:48:00 | 2011-06-28 23:48:00 | Cycle 2 | 8  | 8  | COZEKI     | COZEKI TRAWL RECOVERED          | 33.27512 | -121.52980 | 83.0 | 70.7 | EC |
| 223 | P1106MV | 212 | 2011-06-28 06:48:00 | 2011-06-28 23:48:00 | Cycle 2 | 8  | 8  | COZEKI     | COZEKI TRAWL RECOVERED          | 33.27512 | -121.52980 | 83.0 | 70.7 | EC |
| 224 | P1106MV | 213 | 2011-06-29 11:02:00 | 2011-06-29 04:02:00 | Cycle 2 | 23 | 23 | CTD        | CTD DEPLOYED                    | 33.22278 | -121.46330 | 83.4 | 70.4 | DM |
| 225 | P1106MV | 214 | 2011-06-29 11:19:00 | 2011-06-29 04:19:00 | Cycle 2 | 23 | 23 | CTD        | CTD AT DEPTH                    | 33.22048 | -121.46240 | 83.4 | 70.4 | DM |
| 226 | P1106MV | 215 | 2011-06-29 11:59:00 | 2011-06-29 04:59:00 | Cycle 2 | 23 | 23 | CTD        | CTD RECOVERED                   | 33.21358 | -121.46220 | 83.4 | 70.5 | DM |
| 227 | P1106MV | 216 | 2011-06-29 12:09:00 | 2011-06-29 05:09:00 | Cycle 2 | 10 | 10 | TM-ROSETTE | TM ROSETTE DEPLOYED             | 33.20795 | -121.45990 | 83.4 | 70.5 | DM |
| 228 | P1106MV | 217 | 2011-06-29 12:09:00 | 2011-06-29 05:09:00 | Cycle 2 | 10 | 10 | TM-ROSETTE | TM ROSETTE RECOVERED            | 33.20795 | -121.45990 | 83.4 | 70.5 | DM |
| 229 | P1106MV | 218 | 2011-06-29 12:39:00 | 2011-06-29 05:39:00 | Cycle 2 | 10 | 10 | TM-ROSETTE | TM ROSETTE DEPLOYED             | 33.20322 | -121.45820 | 83.4 | 70.5 | DM |
| 230 | P1106MV | 219 | 2011-06-29 12:39:00 | 2011-06-29 05:39:00 | Cycle 2 | 10 | 10 | DRIFTARRAY | DRIFTARRAY DEPLOYED             | 33.20296 | -121.45820 | 83.4 | 70.5 | DM |
| 231 | P1106MV | 220 | 2011-06-29 14:26:00 | 2011-06-29 07:26:00 | Cycle 2 | 2  | 2  | SETTRAP    | SEDIMENT TRAP RECOVERED         | 33.22538 | -121.46730 | 83.3 | 70.4 | DM |
| 232 | P1106MV | 221 | 2011-06-29 15:56:00 | 2011-06-29 08:56:00 | Cycle 2 | 2  | 2  | WIREWALKER | WIREWALKER RECOVERED            | 33.27955 | -121.50440 | 83.0 | 70.4 | EC |
| 233 | P1106MV | 222 | 2011-06-29 15:56:00 | 2011-06-29 08:56:00 | Cycle 2 | 2  | 2  | MVP        | MVP DEPLOYED                    | 33.80008 | -121.67820 | 81.1 | 70.6 | JW |
| 234 | P1106MV | 222 | 2011-06-29 16:29:00 | 2011-06-29 09:29:00 | Cycle 2 | 8  | 8  | MOCNESS    | MOCNESS DEPLOYED                | 33.66650 | -121.55070 | 79.6 | 65.0 | JW |
| 235 | P1106MV | 223 | 2011-06-30 01:25:00 | 2011-06-29 18:25:00 | Cycle 2 | 8  | 8  | MOCNESS    | MOCNESS RECOVERED               | 33.80690 | -121.53320 | 79.6 | 65.1 | JW |
| 236 | P1106MV | 223 | 2011-06-30 01:25:00 | 2011-06-29 18:25:00 | Cycle 2 | 8  | 8  | MVP        | MVP RECOVERED                   | 34.28632 | -121.59720 | 78.5 | 63.8 | RV |
| 237 | P1106MV | 224 | 2011-06-30 01:43:00 | 2011-06-29 18:43:00 | Cycle 2 | 9  | 9  | COZEKI     | COZEKI TRAWL DEPLOYED           | 34.02023 | -121.82620 | 79.6 | 65.6 | EC |
| 238 | P1106MV | 225 | 2011-06-30 01:43:00 | 2011-06-29 18:43:00 | Cycle 2 | 9  | 9  | COZEKI     | COZEKI TRAWL RECOVERED          | 34.04840 | -121.62970 | 79.6 | 65.2 | EC |
| 239 | P1106MV | 226 | 2011-06-30 07:53:00 | 2011-06-30 00:53:00 | Cycle 3 | 3  | 3  | SETTRAP    | SEDIMENT TRAP DEPLOYED          | 34.11547 | -121.65390 | 79.1 | 65.7 | EC |
| 240 | P1106MV | 227 | 2011-06-30 07:53:00 | 2011-06-30 00:53:00 | Cycle 3 | 3  | 3  | WIREWALKER | WIREWALKER DEPLOYED             | 34.09627 | -121.65070 | 79.1 | 65.7 | EC |
| 241 | P1106MV | 228 | 2011-06-30 09:59:00 | 2011-06-30 02:59:00 | Cycle 3 | 24 | 24 | CTD        | CTD DEPLOYED                    | 34.10757 | -121.65020 | 79.1 | 65.7 | EC |
| 242 | P1106MV | 229 | 2011-06-30 09:59:00 | 2011-06-30 02:59:00 | Cycle 3 | 24 | 24 | CTD        | CTD AT DEPTH                    | 34.10627 | -121.64840 | 79.2 | 65.7 | EC |
| 243 | P1106MV | 230 | 2011-06-30 09:59:00 | 2011-06-30 02:59:00 | Cycle 3 | 24 | 24 | CTD        | CTD RECOVERED                   | 34.10363 | -121.64480 | 79.2 | 65.7 | EC |
| 244 | P1106MV | 231 | 2011-06-30 10:11:00 | 2011-06-30 03:11:00 | Cycle 3 | 11 | 11 | TM-ROSETTE | TM ROSETTE DEPLOYED             | 34.10178 | -121.64180 | 79.2 | 65.7 | EC |
| 245 | P1106MV | 232 | 2011-06-30 10:26:00 | 2011-06-30 03:26:00 | Cycle 3 | 11 | 11 | TM-ROSETTE | TM ROSETTE AT DEPTH             | 34.10038 | -121.63920 | 79.2 | 65.7 | EC |
| 246 | P1106MV | 233 | 2011-06-30 10:55:00 | 2011-06-30 03:55:00 | Cycle 3 | 11 | 11 | TM-ROSETTE | TM ROSETTE RECOVERED            | 34.09717 | -121.63660 | 79.2 | 65.6 | DM |
| 247 | P1106MV | 234 | 2011-06-30 12:52:00 | 2011-06-30 05:52:00 | Cycle 3 | 11 | 11 | DRIFTARRAY | DRIFTARRAY DEPLOYED             | 34.08818 | -121.61580 | 79.3 | 65.4 | DM |
| 248 | P1106MV | 235 | 2011-06-30 12:01:00 | 2011-06-30 05:01:00 | Cycle 3 | 25 | 25 | CTD        | CTD DEPLOYED                    | 34.08920 | -121.61490 | 79.3 | 65.4 | DM |
| 249 | P1106MV | 236 | 2011-06-30 12:18:00 | 2011-06-30 05:18:00 | Cycle 3 | 25 | 25 | CTD        | CTD AT DEPTH                    | 34.08725 | -121.61180 | 79.3 | 65.5 | DM |
| 250 | P1106   |     |                     |                     |         |    |    |            |                                 |          |            |      |      |    |

| Line | Platform | Start               | End                 | Depth    | Instrument | Lat        | Lon                      | Alt      | Status     | Notes |      |    |
|------|----------|---------------------|---------------------|----------|------------|------------|--------------------------|----------|------------|-------|------|----|
| 369  | P1106M   | 2011-07-03 10:32:00 | 2011-07-03 03:32:00 | Uplift 2 | 8          | BONGO      | VERTICAL BONGO DEPLOYED  | 33.87420 | -121.65740 | 80.1  | 67.6 | HG |
| 370  | P1106M   | 2011-07-03 11:05:00 | 2011-07-03 04:05:00 | Uplift 2 | 8          | BONGO      | VERTICAL BONGO RECOVERED | 33.87288 | -121.65740 | 80.1  | 67.6 | DM |
| 371  | P1106M   | 2011-07-03 11:05:00 | 2011-07-03 04:05:00 | Uplift 2 | 41         | CTD        | CTD DEPLOYED             | 33.88623 | -121.63200 | 80.1  | 67.3 | DM |
| 372  | P1106M   | 2011-07-03 11:16:00 | 2011-07-03 04:16:00 | Uplift 2 | 41         | CTD        | CTD AT DEPTH             | 33.88687 | -121.64200 | 80.1  | 67.3 | DM |
| 373  | P1106M   | 2011-07-03 11:27:00 | 2011-07-03 04:27:00 | Uplift 2 | 41         | CTD        | CTD RECOVERED            | 33.88873 | -121.64200 | 80.1  | 67.3 | DM |
| 374  | P1106M   | 2011-07-03 11:32:00 | 2011-07-03 04:32:00 | Uplift 2 | 9          | BONGO      | VERTICAL BONGO DEPLOYED  | 33.88885 | -121.64200 | 80.1  | 67.3 | DM |
| 375  | P1106M   | 2011-07-03 11:32:00 | 2011-07-03 04:32:00 | Uplift 2 | 9          | BONGO      | VERTICAL BONGO RECOVERED | 33.88885 | -121.64200 | 80.1  | 67.3 | DM |
| 376  | P1106M   | 2011-07-03 12:08:00 | 2011-07-03 05:08:00 | Uplift 2 | 42         | CTD        | CTD DEPLOYED             | 33.89628 | -121.62310 | 80.1  | 67.0 | DM |
| 377  | P1106M   | 2011-07-03 12:28:00 | 2011-07-03 05:28:00 | Uplift 2 | 42         | CTD        | CTD AT DEPTH             | 33.89628 | -121.62310 | 80.1  | 67.0 | DM |
| 378  | P1106M   | 2011-07-03 12:28:00 | 2011-07-03 05:28:00 | Uplift 2 | 42         | CTD        | CTD RECOVERED            | 33.89628 | -121.62310 | 80.1  | 67.0 | DM |
| 379  | P1106M   | 2011-07-03 12:34:00 | 2011-07-03 05:34:00 | Uplift 2 | 10         | BONGO      | VERTICAL BONGO DEPLOYED  | 33.89627 | -121.62300 | 80.1  | 67.0 | DM |
| 380  | P1106M   | 2011-07-03 12:40:00 | 2011-07-03 05:40:00 | Uplift 2 | 10         | BONGO      | VERTICAL BONGO RECOVERED | 33.89656 | -121.62200 | 80.1  | 67.0 | DM |
| 381  | P1106M   | 2011-07-03 16:03:00 | 2011-07-03 09:03:00 | Survey 2 | 2          | SEASOAR    | SEA SOAR DEPLOYED        | 34.04858 | -122.01120 | 78.7  | 70.1 | EC |
| 382  | P1106M   | 2011-07-03 17:12:00 | 2011-07-03 10:12:00 | Survey 2 | 10         | SEASOAR    | SEA SOAR FOLY DEPLOYED   | 34.07632 | -122.03880 | 78.5  | 70.1 | EC |
| 383  | P1106M   | 2011-07-05 16:20:00 | 2011-07-05 09:20:00 | Survey 2 | 2          | SEASOAR    | SEA SOAR RECOVERED       | 33.33773 | -121.50890 | 82.8  | 70.0 | EC |
| 384  | P1106M   | 2011-07-06 01:36:00 | 2011-07-05 18:36:00 | Survey 2 | 2          | SEASOAR    | SEA SOAR DEPLOYED        | 33.14118 | -121.41680 | 83.8  | 70.5 | RV |
| 385  | P1106M   | 2011-07-06 02:40:00 | 2011-07-05 19:40:00 | Survey 2 | 2          | SEASOAR    | SEA SOAR RECOVERED       | 33.29918 | -121.48970 | 84.0  | 70.5 | RV |
| 386  | P1106M   | 2011-07-07 02:04:00 | 2011-07-06 19:04:00 | Survey 2 | 2          | MVP        | MVP DEPLOYED             | 33.41833 | -121.92220 | 83.3  | 64.9 | RV |
| 387  | P1106M   | 2011-07-07 02:04:00 | 2011-07-06 19:04:00 | Survey 2 | 5          | MVP        | MVP RECOVERED            | 33.42764 | -121.94882 | 82.8  | 64.8 | RV |
| 388  | P1106M   | 2011-07-07 02:04:00 | 2011-07-06 19:04:00 | Survey 2 | 4          | SEDTRAP    | SEDIMENT TRAP DEPLOYED   | 33.54177 | -121.98880 | 82.8  | 63.9 | HG |
| 389  | P1106M   | 2011-07-07 02:04:00 | 2011-07-06 19:04:00 | Survey 2 | 4          | SEDTRAP    | SEDIMENT TRAP RECOVERED  | 33.54177 | -121.98880 | 82.8  | 63.9 | HG |
| 390  | P1106M   | 2011-07-07 02:04:00 | 2011-07-06 19:04:00 | Survey 2 | 4          | WIREWALKER | WIREWALKER DEPLOYED      | 33.54677 | -121.98880 | 82.7  | 63.9 | HG |
| 391  | P1106M   | 2011-07-07 02:23:00 | 2011-07-07 02:23:00 | Cycle 4  | 43         | CTD        | CTD AT DEPTH             | 33.52328 | -121.09310 | 82.8  | 64.0 | HG |
| 392  | P1106M   | 2011-07-07 02:23:00 | 2011-07-07 02:23:00 | Cycle 4  | 43         | CTD        | CTD RECOVERED            | 33.52328 | -121.09310 | 82.8  | 64.0 | HG |
| 393  | P1106M   | 2011-07-07 10:06:00 | 2011-07-07 03:06:00 | Cycle 4  | 16         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.52877 | -121.10200 | 82.8  | 64.1 | HG |
| 394  | P1106M   | 2011-07-07 10:06:00 | 2011-07-07 03:06:00 | Cycle 4  | 16         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.52927 | -121.10380 | 82.8  | 64.2 | HG |
| 395  | P1106M   | 2011-07-07 10:52:00 | 2011-07-07 03:52:00 | Cycle 4  | 16         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.52767 | -121.10620 | 82.8  | 64.2 | DM |
| 396  | P1106M   | 2011-07-07 10:52:00 | 2011-07-07 03:52:00 | Cycle 4  | 16         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.52767 | -121.10620 | 82.8  | 64.2 | DM |
| 397  | P1106M   | 2011-07-07 11:51:00 | 2011-07-07 04:51:00 | Cycle 4  | 44         | CTD        | CTD DEPLOYED             | 33.52733 | -121.11520 | 82.8  | 64.3 | DM |
| 398  | P1106M   | 2011-07-07 12:08:00 | 2011-07-07 05:08:00 | Cycle 4  | 44         | CTD        | CTD AT DEPTH             | 33.52707 | -121.11650 | 82.8  | 64.3 | DM |
| 399  | P1106M   | 2011-07-07 12:08:00 | 2011-07-07 05:08:00 | Cycle 4  | 44         | CTD        | CTD RECOVERED            | 33.52707 | -121.11650 | 82.8  | 64.3 | DM |
| 400  | P1106M   | 2011-07-07 12:44:00 | 2011-07-07 05:44:00 | Cycle 4  | 17         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.52571 | -121.11940 | 82.8  | 64.4 | DM |
| 401  | P1106M   | 2011-07-07 12:44:00 | 2011-07-07 05:44:00 | Cycle 4  | 17         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.52490 | -121.11980 | 82.8  | 64.4 | DM |
| 402  | P1106M   | 2011-07-07 13:05:00 | 2011-07-07 06:05:00 | Cycle 4  | 17         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.52400 | -121.12080 | 82.8  | 64.4 | DM |
| 403  | P1106M   | 2011-07-07 13:05:00 | 2011-07-07 06:05:00 | Cycle 4  | 17         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.52400 | -121.12080 | 82.8  | 64.4 | DM |
| 404  | P1106M   | 2011-07-07 13:34:00 | 2011-07-07 06:34:00 | Cycle 4  | 10         | RINGNET    | RING NET DEPLOYED LARGE  | 33.52263 | -121.12240 | 82.8  | 64.4 | DM |
| 405  | P1106M   | 2011-07-07 13:34:00 | 2011-07-07 06:34:00 | Cycle 4  | 10         | RINGNET    | RING NET RECOVERED LARGE | 33.52424 | -121.12410 | 82.8  | 64.4 | DM |
| 406  | P1106M   | 2011-07-07 13:53:00 | 2011-07-07 06:53:00 | Cycle 4  | 11         | RINGNET    | RING NET DEPLOYED SMALL  | 33.52577 | -121.12930 | 82.8  | 64.4 | DM |
| 407  | P1106M   | 2011-07-07 13:53:00 | 2011-07-07 06:53:00 | Cycle 4  | 11         | RINGNET    | RING NET RECOVERED SMALL | 33.52576 | -121.12710 | 82.7  | 64.4 | DM |
| 408  | P1106M   | 2011-07-07 15:53:00 | 2011-07-07 08:53:00 | Cycle 4  | 7          | BONGO      | LIVE BONGO DEPLOYED      | 33.46337 | -121.30840 | 82.6  | 66.9 | EC |
| 409  | P1106M   | 2011-07-07 15:53:00 | 2011-07-07 08:53:00 | Cycle 4  | 7          | BONGO      | BONGO RECOVERED          | 33.46337 | -121.30840 | 82.6  | 66.9 | EC |
| 410  | P1106M   | 2011-07-07 17:05:00 | 2011-07-07 10:05:00 | Cycle 4  | 1          | BONGO      | BONGO DEPLOYED           | 33.49993 | -121.10430 | 82.9  | 64.4 | EC |
| 411  | P1106M   | 2011-07-07 17:05:00 | 2011-07-07 10:05:00 | Cycle 4  | 1          | BONGO      | BONGO RECOVERED          | 33.49997 | -121.11430 | 82.9  | 64.5 | EC |
| 412  | P1106M   | 2011-07-07 18:28:00 | 2011-07-07 11:28:00 | Cycle 4  | 45         | CTD        | CTD DEPLOYED             | 33.42626 | -121.10770 | 82.8  | 64.5 | EC |
| 413  | P1106M   | 2011-07-07 18:28:00 | 2011-07-07 11:28:00 | Cycle 4  | 45         | CTD        | CTD AT DEPTH             | 33.46015 | -121.10770 | 82.9  | 64.5 | EC |
| 414  | P1106M   | 2011-07-07 18:28:00 | 2011-07-07 11:28:00 | Cycle 4  | 45         | CTD        | CTD RECOVERED            | 33.46057 | -121.10770 | 82.9  | 64.5 | EC |
| 415  | P1106M   | 2011-07-07 19:50:00 | 2011-07-07 12:50:00 | Cycle 4  | 12         | MOONSN     | MOONSN DEPLOYED          | 33.47453 | -121.07940 | 83.1  | 64.3 | HG |
| 416  | P1106M   | 2011-07-07 19:50:00 | 2011-07-07 12:50:00 | Cycle 4  | 12         | MOONSN     | MOONSN RECOVERED         | 33.47453 | -121.07940 | 83.1  | 64.3 | HG |
| 417  | P1106M   | 2011-07-07 21:30:00 | 2011-07-07 14:30:00 | Cycle 4  | 13         | TH PUMP    | THORUM PUMP DEPLOYED     | 33.50238 | -121.11380 | 82.9  | 64.5 | HG |
| 418  | P1106M   | 2011-07-07 21:30:00 | 2011-07-07 14:30:00 | Cycle 4  | 13         | TH PUMP    | THORUM PUMP RECOVERED    | 33.50238 | -121.11380 | 82.9  | 64.5 | HG |
| 419  | P1106M   | 2011-07-08 03:01:00 | 2011-07-07 20:01:00 | Cycle 4  | 6          | TH PUMP    | THORUM PUMP DEPLOYED     | 33.44433 | -121.15700 | 83.0  | 65.4 | EC |
| 420  | P1106M   | 2011-07-08 03:01:00 | 2011-07-07 20:01:00 | Cycle 4  | 6          | TH PUMP    | THORUM PUMP RECOVERED    | 33.44375 | -121.15680 | 83.0  | 65.4 | EC |
| 421  | P1106M   | 2011-07-08 03:25:00 | 2011-07-07 20:25:00 | Cycle 4  | 46         | CTD        | CTD AT DEPTH             | 33.44137 | -121.15720 | 83.1  | 65.4 | EC |
| 422  | P1106M   | 2011-07-08 03:25:00 | 2011-07-07 20:25:00 | Cycle 4  | 46         | CTD        | CTD RECOVERED            | 33.44948 | -121.15720 | 83.1  | 65.4 | EC |
| 423  | P1106M   | 2011-07-08 06:02:00 | 2011-07-07 23:02:00 | Cycle 4  | 2          | BONGO      | BONGO DEPLOYED           | 33.41743 | -121.14380 | 83.2  | 65.4 | EC |
| 424  | P1106M   | 2011-07-08 06:02:00 | 2011-07-07 23:02:00 | Cycle 4  | 2          | BONGO      | BONGO RECOVERED          | 33.41837 | -121.15230 | 83.2  | 65.5 | EC |
| 425  | P1106M   | 2011-07-08 06:02:00 | 2011-07-07 23:02:00 | Cycle 4  | 13         | MOONSN     | MOONSN DEPLOYED          | 33.46110 | -121.09110 | 83.3  | 65.5 | EC |
| 426  | P1106M   | 2011-07-08 07:30:00 | 2011-07-08 00:30:00 | Cycle 4  | 13         | MOONSN     | MOONSN RECOVERED         | 33.44555 | -121.16630 | 83.2  | 65.8 | HG |
| 427  | P1106M   | 2011-07-08 09:02:00 | 2011-07-08 02:02:00 | Cycle 4  | 13         | MOONSN     | MOONSN DEPLOYED          | 33.45288 | -121.16630 | 83.3  | 65.8 | HG |
| 428  | P1106M   | 2011-07-08 09:02:00 | 2011-07-08 02:02:00 | Cycle 4  | 13         | MOONSN     | MOONSN RECOVERED         | 33.45288 | -121.16630 | 83.3  | 65.8 | HG |
| 429  | P1106M   | 2011-07-08 09:42:00 | 2011-07-08 02:42:00 | Cycle 4  | 47         | CTD        | CTD DEPLOYED             | 33.39107 | -121.15550 | 83.3  | 65.8 | HG |
| 430  | P1106M   | 2011-07-08 09:42:00 | 2011-07-08 02:42:00 | Cycle 4  | 47         | CTD        | CTD AT DEPTH             | 33.39106 | -121.15540 | 83.3  | 65.8 | HG |
| 431  | P1106M   | 2011-07-08 09:42:00 | 2011-07-08 02:42:00 | Cycle 4  | 48         | CTD        | CTD RECOVERED            | 33.38853 | -121.15550 | 83.3  | 65.8 | HG |
| 432  | P1106M   | 2011-07-08 09:19:00 | 2011-07-08 02:19:00 | Cycle 4  | 48         | CTD        | CTD DEPLOYED             | 33.38582 | -121.15680 | 83.3  | 65.8 | HG |
| 433  | P1106M   | 2011-07-08 09:19:00 | 2011-07-08 02:19:00 | Cycle 4  | 48         | CTD        | CTD AT DEPTH             | 33.38582 | -121.15680 | 83.3  | 65.8 | HG |
| 434  | P1106M   | 2011-07-08 09:19:00 | 2011-07-08 02:19:00 | Cycle 4  | 48         | CTD        | CTD RECOVERED            | 33.38582 | -121.15680 | 83.3  | 65.8 | HG |
| 435  | P1106M   | 2011-07-08 09:58:00 | 2011-07-08 02:58:00 | Cycle 4  | 18         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.38196 | -121.15780 | 83.3  | 65.8 | HG |
| 436  | P1106M   | 2011-07-08 09:58:00 | 2011-07-08 02:58:00 | Cycle 4  | 18         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.38196 | -121.15780 | 83.3  | 65.8 | HG |
| 437  | P1106M   | 2011-07-08 10:14:00 | 2011-07-08 03:14:00 | Cycle 4  | 18         | TM-ROSETTE | TM ROSETTE DEPLOYED      | 33.38196 | -121.15780 | 83.3  | 65.8 | HG |
| 438  | P1106M   | 2011-07-08 10:14:00 | 2011-07-08 03:14:00 | Cycle 4  | 18         | TM-ROSETTE | TM ROSETTE RECOVERED     | 33.38196 | -121.15780 | 83.3  | 65.8 | HG |
| 439  | P1106M   | 2011-07-08 11:24:00 | 2011-07-08 04:24:00 | Cycle 4  | 57         | DRIFTARRAY | DRIFTARRAY DEPLOYED      | 33.37718 | -121.15920 | 83.4  | 66.0 | DM |
| 440  | P1106M   | 2011-07-08 11:24:00 | 2011-07-08 04:24:00 | Cycle 4  | 57         | DRIFTARRAY | DRIFTARRAY RECOVERED     | 33.37018 | -121.15940 |       |      |    |

|     |        |       |                     |                     |           |           |            |                               |          |            |      |      |    |
|-----|--------|-------|---------------------|---------------------|-----------|-----------|------------|-------------------------------|----------|------------|------|------|----|
| 554 | P1106M | 542   | 2011-07-12 20:10:00 | 2011-07-12 13:10:00 | Transit   | 19        | OOZEKI     | OOZEKI TRAWL DEPLOYED         | 32.08507 | -121.26480 | 88.7 | 76.9 | HG |
| 555 | P1106M | 543   | 2011-07-12 20:37:00 | 2011-07-12 13:37:00 | Transit   | 19        | OOZEKI     | OOZEKI TRAWL RECOVERED        | 32.17078 | -121.31080 | 88.2 | 76.7 | HG |
| 556 | P1106M | 544   | 2011-07-13 05:58:00 | 2011-07-12 23:58:00 | Cycle 6   | 19        | MVP        | MVP DEPLOYED                  | 33.37387 | -121.60200 | 82.4 | 70.8 | HG |
| 557 | P1106M | 545   | 2011-07-13 09:50:00 | 2011-07-13 02:50:00 | Cycle 6   | 19        | MVP        | MVP RECOVERED                 | 33.54077 | -121.09600 | 82.8 | 63.6 | HG |
| 558 | P1106M | 546   | 2011-07-13 11:02:00 | 2011-07-13 04:02:00 | Cycle 6   | 6         | SEDTRAP    | SEDIMENT TRAP DEPLOYED        | 33.52013 | -121.11300 | 82.8 | 64.3 | DM |
| 559 | P1106M | 547   | 2011-07-13 11:09:00 | 2011-07-13 04:09:00 | Cycle 6   | 59        | CTD        | CTD DEPLOYED                  | 33.51920 | -121.11300 | 82.8 | 64.4 | DM |
| 560 | P1106M | 548   | 2011-07-13 11:27:00 | 2011-07-13 04:27:00 | Cycle 6   | 59        | CTD        | CTD DEPLOYED                  | 33.51320 | -121.06400 | 82.8 | 64.5 | DM |
| 561 | P1106M | 549   | 2011-07-13 11:50:00 | 2011-07-13 04:50:00 | Cycle 6   | 59        | CTD        | CTD RECOVERED                 | 33.50475 | -121.11720 | 82.9 | 64.5 | DM |
| 562 | P1106M | 550   | 2011-07-13 12:00:00 | 2011-07-13 05:00:00 | Cycle 6   | 5         | TM-GOFLD   | TM-GOFLD BOTTLECAST DEPLOYED  | 33.51187 | -121.11780 | 82.9 | 64.5 | DM |
| 563 | P1106M | 551   | 2011-07-13 12:22:00 | 2011-07-13 05:22:00 | Cycle 6   | 5         | TM-GOFLD   | TM-GOFLD BOTTLECAST MESSENGER | 33.49410 | -121.11820 | 82.9 | 64.6 | DM |
| 564 | P1106M | 552   | 2011-07-13 12:34:00 | 2011-07-13 05:34:00 | Cycle 6   | 5         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 33.49057 | -121.12090 | 82.9 | 64.6 | DM |
| 565 | P1106M | 553   | 2011-07-13 12:58:00 | 2011-07-13 05:58:00 | Cycle 6   | 6         | DRIFTARRAY | DRIFTARRAY DEPLOYED           | 33.49057 | -121.12090 | 82.9 | 64.6 | DM |
| 566 | P1106M | 552.2 | 2011-07-13 13:00:00 | 2011-07-13 06:00:00 | Cycle 6   | 60        | CTD        | CTD DEPLOYED                  | 33.47430 | -121.12710 | 83.0 | 64.8 | DM |
| 567 | P1106M | 553.2 | 2011-07-13 13:27:00 | 2011-07-13 06:27:00 | Cycle 6   | 60        | CTD        | CTD DEPLOYED                  | 33.47430 | -121.12710 | 83.0 | 64.8 | DM |
| 568 | P1106M | 552.4 | 2011-07-13 13:41:00 | 2011-07-13 06:41:00 | Cycle 6   | 60        | CTD        | CTD RECOVERED                 | 33.47430 | -121.12710 | 83.0 | 64.8 | DM |
| 569 | P1106M | 553   | 2011-07-13 14:28:00 | 2011-07-13 07:28:00 | Cycle 6   | 11        | BONGO      | LIVE BONGO DEPLOYED           | 33.42077 | -121.14820 | 83.1 | 65.4 | EC |
| 570 | P1106M | 554   | 2011-07-13 15:24:00 | 2011-07-13 08:24:00 | Cycle 6   | 11        | BONGO      | LIVE BONGO RECOVERED          | 33.49252 | -121.15580 | 83.1 | 65.4 | EC |
| 571 | P1106M | 555   | 2011-07-13 15:55:00 | 2011-07-13 08:55:00 | Cycle 6   | 1         | BONGO      | BONGO DEPLOYED                | 33.47728 | -121.15010 | 83.2 | 65.5 | EC |
| 572 | P1106M | 556   | 2011-07-13 16:19:00 | 2011-07-13 09:19:00 | Cycle 6   | 1         | BONGO      | BONGO RECOVERED               | 33.49778 | -121.15380 | 83.2 | 65.6 | EC |
| 573 | P1106M | 557   | 2011-07-13 17:02:00 | 2011-07-13 10:02:00 | Cycle 6   | 61        | CTD        | CTD DEPLOYED                  | 33.49588 | -121.17210 | 83.2 | 65.8 | EC |
| 574 | P1106M | 558   | 2011-07-13 17:17:00 | 2011-07-13 10:17:00 | Cycle 6   | 61        | CTD        | CTD DEPTH                     | 33.40240 | -121.16880 | 83.2 | 65.9 | EC |
| 575 | P1106M | 559   | 2011-07-13 17:50:00 | 2011-07-13 10:50:00 | Cycle 6   | 61        | CTD        | CTD RECOVERED                 | 33.39747 | -121.17910 | 83.2 | 66.0 | EC |
| 576 | P1106M | 560   | 2011-07-14 04:22:00 | 2011-07-13 21:22:00 | Cycle 6   | 2         | BONGO      | BONGO DEPLOYED                | 33.18385 | -121.22700 | 84.0 | 68.0 | EC |
| 577 | P1106M | 561   | 2011-07-14 04:48:00 | 2011-07-13 21:48:00 | Cycle 6   | 2         | BONGO      | BONGO RECOVERED               | 33.19358 | -121.23820 | 84.0 | 68.2 | EC |
| 578 | P1106M | 562   | 2011-07-14 05:49:00 | 2011-07-13 22:49:00 | Cycle 6   | 20        | MOONNESS   | MOONNESS DEPLOYED             | 33.14818 | -121.22300 | 84.2 | 68.3 | EC |
| 579 | P1106M | 563   | 2011-07-14 07:17:00 | 2011-07-14 00:17:00 | Cycle 6   | 2         | MOONNESS   | MOONNESS RECOVERED            | 33.16088 | -121.25720 | 84.1 | 68.6 | HG |
| 580 | P1106M | 564   | 2011-07-14 08:11:00 | 2011-07-14 01:11:00 | Cycle 6   | 62        | CTD        | CTD DEPLOYED                  | 33.10332 | -121.25480 | 84.3 | 69.0 | HG |
| 581 | P1106M | 565   | 2011-07-14 08:27:00 | 2011-07-14 01:27:00 | Cycle 6   | 62        | CTD        | CTD AT DEPTH                  | 33.09488 | -121.25480 | 84.3 | 69.1 | HG |
| 582 | P1106M | 566   | 2011-07-14 08:43:00 | 2011-07-14 01:43:00 | Cycle 6   | 63        | CTD        | CTD RECOVERED                 | 33.08988 | -121.25440 | 84.4 | 69.1 | HG |
| 583 | P1106M | 567   | 2011-07-14 09:10:00 | 2011-07-14 02:10:00 | Cycle 6   | 62        | CTD        | CTD DEPLOYED                  | 33.08922 | -121.25610 | 84.5 | 69.3 | HG |
| 584 | P1106M | 568   | 2011-07-14 09:28:00 | 2011-07-14 02:27:00 | Cycle 6   | 63        | CTD        | CTD                           | 33.09233 | -121.25680 | 84.5 | 69.4 | HG |
| 585 | P1106M | 569   | 2011-07-14 09:52:00 | 2011-07-14 02:52:00 | Cycle 6   | 63        | CTD        | CTD RECOVERED                 | 33.03317 | -121.25750 | 84.5 | 69.4 | HG |
| 586 | P1106M | 570   | 2011-07-14 10:06:00 | 2011-07-14 03:06:00 | Cycle 6   | 6         | TM-GOFLD   | TM-GOFLD BOTTLECAST DEPLOYED  | 33.01442 | -121.25870 | 84.6 | 69.5 | HG |
| 587 | P1106M | 571   | 2011-07-14 10:54:00 | 2011-07-14 03:54:00 | Cycle 6   | 6         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 33.01967 | -121.26870 | 84.6 | 69.8 | DM |
| 588 | P1106M | 572   | 2011-07-14 11:39:00 | 2011-07-14 04:39:00 | Cycle 6   | 61        | DRIFTARRAY | DRIFTARRAY RECOVERED          | 32.99715 | -121.26870 | 84.7 | 70.0 | DM |
| 589 | P1106M | 573   | 2011-07-14 12:35:00 | 2011-07-14 05:35:00 | Cycle 6   | 7         | TM-GOFLD   | TM-GOFLD BOTTLECAST DEPLOYED  | 32.99222 | -121.26900 | 84.8 | 70.2 | DM |
| 590 | P1106M | 574   | 2011-07-14 12:35:00 | 2011-07-14 05:35:00 | Cycle 6   | 7         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 32.96220 | -121.27170 | 84.8 | 70.2 | DM |
| 591 | P1106M | 575   | 2011-07-14 13:24:00 | 2011-07-14 06:24:00 | Cycle 6   | 6         | BONGO      | BONGO DEPLOYED                | 32.96965 | -121.27280 | 84.9 | 70.9 | DM |
| 592 | P1106M | 576   | 2011-07-14 13:24:00 | 2011-07-14 06:24:00 | Cycle 6   | 7         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 32.96338 | -121.27440 | 84.9 | 70.4 | DM |
| 593 | P1106M | 577   | 2011-07-14 13:58:00 | 2011-07-14 06:58:00 | Cycle 6   | 21        | RINGNET    | RING NET DEPLOYED LARGE       | 32.94820 | -121.27640 | 84.9 | 70.4 | DM |
| 594 | P1106M | 578   | 2011-07-14 13:48:00 | 2011-07-14 06:48:00 | Cycle 6   | 21        | RINGNET    | RING NET DEPLOYED LARGE       | 32.94622 | -121.27780 | 84.9 | 70.5 | DM |
| 595 | P1106M | 579   | 2011-07-14 13:59:00 | 2011-07-14 06:59:00 | Cycle 6   | 12        | BONGO      | LIVE BONGO DEPLOYED           | 32.82025 | -121.27420 | 85.2 | 70.8 | EC |
| 596 | P1106M | 580   | 2011-07-14 15:05:00 | 2011-07-14 08:05:00 | Cycle 6   | 12        | BONGO      | LIVE BONGO RECOVERED          | 32.80385 | -121.27780 | 85.4 | 70.9 | EC |
| 597 | P1106M | 581   | 2011-07-14 15:46:00 | 2011-07-14 08:46:00 | Cycle 6   | 3         | BONGO      | BONGO DEPLOYED                | 32.87913 | -121.26500 | 85.3 | 70.8 | EC |
| 598 | P1106M | 582   | 2011-07-14 16:05:00 | 2011-07-14 09:05:00 | Cycle 6   | 4         | BONGO      | BONGO RECOVERED               | 32.82220 | -121.26840 | 85.4 | 70.9 | EC |
| 599 | P1106M | 583   | 2011-07-14 17:49:00 | 2011-07-14 10:49:00 | Cycle 6   | 64        | CTD        | CTD DEPLOYED                  | 32.87317 | -121.26350 | 85.3 | 70.9 | EC |
| 600 | P1106M | 584   | 2011-07-14 17:55:00 | 2011-07-14 10:55:00 | Cycle 6   | 64        | CTD        | CTD AT DEPTH                  | 32.81153 | -121.26700 | 85.2 | 70.9 | EC |
| 601 | P1106M | 585   | 2011-07-14 17:35:00 | 2011-07-14 10:35:00 | Cycle 6   | 64        | CTD        | CTD RECOVERED                 | 32.87990 | -121.26500 | 85.3 | 70.9 | EC |
| 602 | P1106M | 586   | 2011-07-14 18:32:00 | 2011-07-14 11:32:00 | Cycle 6   | 21        | MOONNESS   | MOONNESS DEPLOYED             | 32.84248 | -121.23350 | 85.6 | 70.9 | HG |
| 603 | P1106M | 587   | 2011-07-14 18:49:00 | 2011-07-14 11:49:00 | Cycle 6   | 20        | OOZEKI     | OOZEKI TRAWL DEPLOYED         | 32.84808 | -121.24670 | 85.4 | 70.9 | HG |
| 604 | P1106M | 588   | 2011-07-14 21:09:00 | 2011-07-14 14:09:00 | Cycle 6   | 20        | OOZEKI     | OOZEKI TRAWL RECOVERED        | 32.84957 | -121.24750 | 85.4 | 70.9 | HG |
| 605 | P1106M | 589   | 2011-07-15 02:00:00 | 2011-07-14 19:00:00 | Cycle 6   | 9         | TH PUMP    | THORIUM PUMP DEPLOYED         | 32.70385 | -121.18080 | 86.2 | 71.3 | RV |
| 606 | P1106M | 590   | 2011-07-15 02:14:00 | 2011-07-14 19:14:00 | Cycle 6   | 9         | TH PUMP    | THORIUM PUMP RECOVERED        | 32.68810 | -121.17050 | 86.3 | 71.3 | EC |
| 607 | P1106M | 591   | 2011-07-15 03:14:00 | 2011-07-14 20:14:00 | Cycle 6   | 9         | BONGO      | BONGO DEPLOYED                | 32.64813 | -121.14180 | 86.6 | 71.2 | EC |
| 608 | P1106M | 592   | 2011-07-15 04:36:00 | 2011-07-14 21:36:00 | Cycle 6   | 4         | BONGO      | BONGO RECOVERED               | 32.82093 | -121.25313 | 85.4 | 70.8 | EC |
| 609 | P1106M | 593   | 2011-07-15 04:36:00 | 2011-07-14 21:36:00 | Cycle 6   | 4         | BONGO      | BONGO RECOVERED               | 32.61688 | -121.11602 | 86.7 | 71.2 | EC |
| 610 | P1106M | 594   | 2011-07-15 05:42:00 | 2011-07-14 22:42:00 | Cycle 6   | 22        | MOONNESS   | MOONNESS RECOVERED            | 32.62208 | -121.12227 | 86.7 | 71.2 | EC |
| 611 | P1106M | 595   | 2011-07-15 05:42:00 | 2011-07-14 22:42:00 | Cycle 6   | 22        | MOONNESS   | MOONNESS RECOVERED            | 32.61525 | -121.12527 | 86.6 | 71.2 | EC |
| 612 | P1106M | 596   | 2011-07-15 09:20:00 | 2011-07-15 02:20:00 | Cycle 6   | 21        | OOZEKI     | OOZEKI TRAWL DEPLOYED         | 32.67915 | -121.17322 | 86.3 | 71.4 | HG |
| 613 | P1106M | 597   | 2011-07-15 09:20:00 | 2011-07-15 02:20:00 | Cycle 6   | 21        | OOZEKI     | OOZEKI TRAWL RECOVERED        | 32.67915 | -121.17322 | 86.3 | 71.4 | HG |
| 614 | P1106M | 598   | 2011-07-15 10:32:00 | 2011-07-15 03:32:00 | Cycle 6   | 65        | CTD        | CTD DEPLOYED                  | 32.58240 | -121.06525 | 87.0 | 70.9 | HG |
| 615 | P1106M | 599   | 2011-07-15 10:32:00 | 2011-07-15 03:32:00 | Cycle 6   | 65        | CTD        | CTD AT DEPTH                  | 32.57897 | -121.05522 | 87.0 | 70.9 | DM |
| 616 | P1106M | 600   | 2011-07-15 11:34:00 | 2011-07-15 04:34:00 | Cycle 6   | 65        | CTD        | CTD RECOVERED                 | 32.57358 | -121.04892 | 87.0 | 70.8 | DM |
| 617 | P1106M | 601   | 2011-07-15 12:06:00 | 2011-07-15 05:06:00 | Cycle 6   | 8         | TM-GOFLD   | TM-GOFLD BOTTLECAST DEPLOYED  | 32.57395 | -121.04322 | 87.0 | 70.8 | DM |
| 618 | P1106M | 602   | 2011-07-15 12:06:00 | 2011-07-15 05:06:00 | Cycle 6   | 8         | TM-GOFLD   | TM-GOFLD BOTTLECAST MESSENGER | 32.56897 | -121.03922 | 87.1 | 70.7 | DM |
| 619 | P1106M | 603   | 2011-07-15 12:10:00 | 2011-07-15 05:10:00 | Cycle 6   | 8         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 32.56844 | -121.03888 | 87.1 | 70.7 | DM |
| 620 | P1106M | 604   | 2011-07-15 12:10:00 | 2011-07-15 05:10:00 | Cycle 6   | 8         | TM-GOFLD   | TM-GOFLD BOTTLECAST RECOVERED | 32.56844 | -121.03888 | 87.1 | 70.7 | DM |
| 621 | P1106M | 604.3 | 2011-07-15 14:35:00 | 2011-07-15 07:35:00 | Cycle 6   | 6         | SEDTRAP    | SEDIMENT TRAP RECOVERED       | 32.61962 | -121.12962 | 86.7 | 71.3 | EC |
| 622 | P1106M | 605   | 2011-07-15 14:35:00 | 2011-07-15 07:35:00 | Cycle 6   | 6         | SEDTRAP    | SEDIMENT TRAP DEPLOYED        | 32.61933 | -121.12962 | 86.7 | 71.3 | EC |
| 623 | P1106M | 606   | 2011-07-15 14:58:00 | 2011-07-15 08:58:00 | Cycle 6   | 5         | BONGO      | LIVE BONGO RECOVERED          | 32.62220 | -121.13340 | 86.6 | 71.4 | EC |
| 624 | P1106M | 607   | 2011-07-15 15:23:00 | 2011-07-15 09:23:00 | Cycle 6   | 5         | BONGO      | ACQUASTAT TRANSDUCER DEPLOYED | 32.60778 | -121.11980 | 86.9 | 71.4 | EC |
| 625 | P1106M | 608   | 2011-07-15 23:24:00 | 2011-07-15 16:24:00 | Upfloat 3 | Transit 8 | MVP        | MVP DEPLOYED                  | 33.49457 | -121.29140 | 82.9 | 67.1 | RV |
| 626 | P1106M | 609   | 2011-07-16 03:14:00 | 2011-07-15 20:14:00 | Upfloat 3 | Transit 8 | MVP        | MVP RECOVERED                 | 33.60745 | -120.91510 | 83.0 | 60.5 | EC |
| 627 | P1106M | 610   | 2011-07-16 04:01:00 | 2011-07-15 21:01:00 | Upfloat 3 | 68        | CTD        | CTD                           | 33.62625 | -120.85440 | 83.0 | 60.9 | EC |
| 628 | P1106M | 611   | 2011-07-16 04:01:00 | 2011-07-15 21:01:00 | Upfloat 3 | 68        | CTD        | CTD AT DEPTH                  | 33.62625 | -120.85440 | 83.0 | 60.9 | EC |
| 629 | P1106M | 612   | 2011-07-16 04:20:00 |                     |           |           |            |                               |          |            |      |      |    |