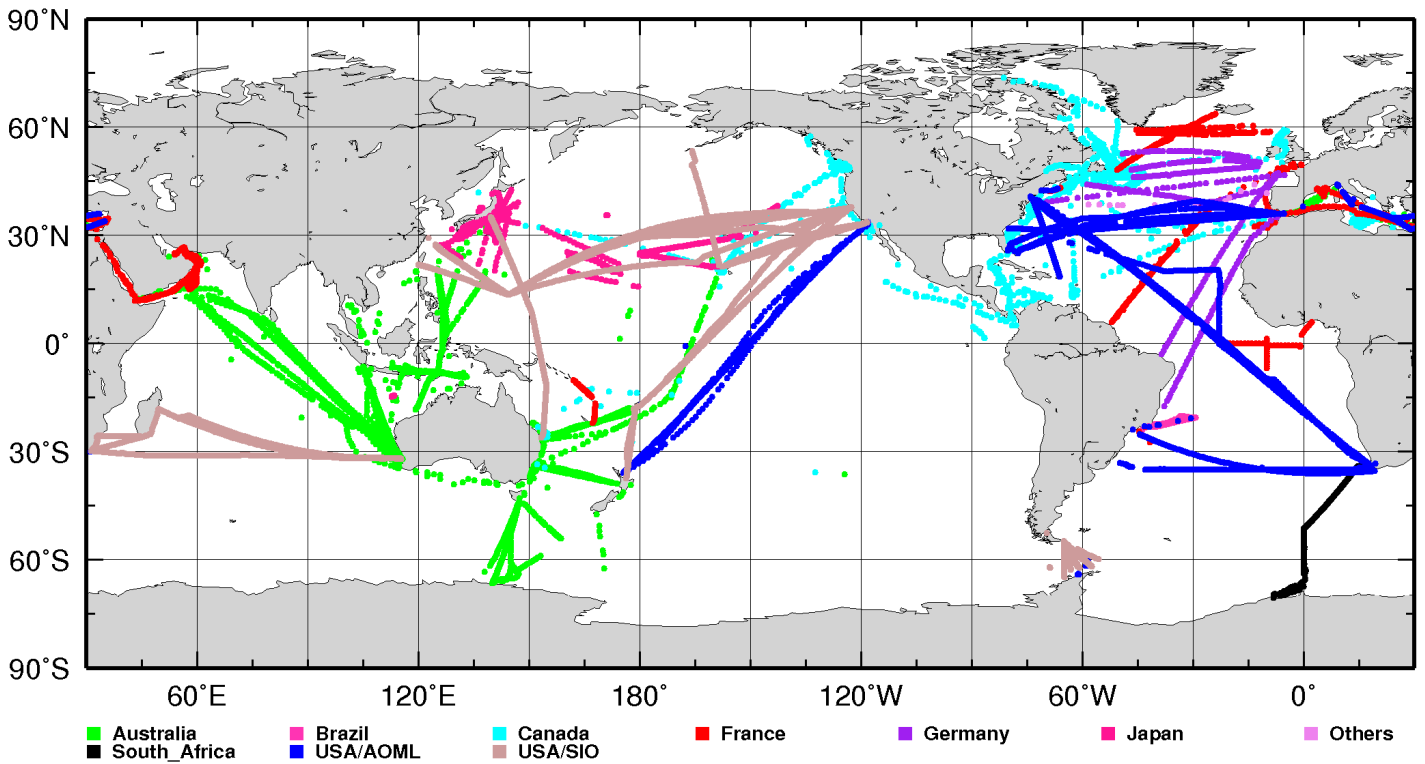


SOOP Operations Report: XBT Program

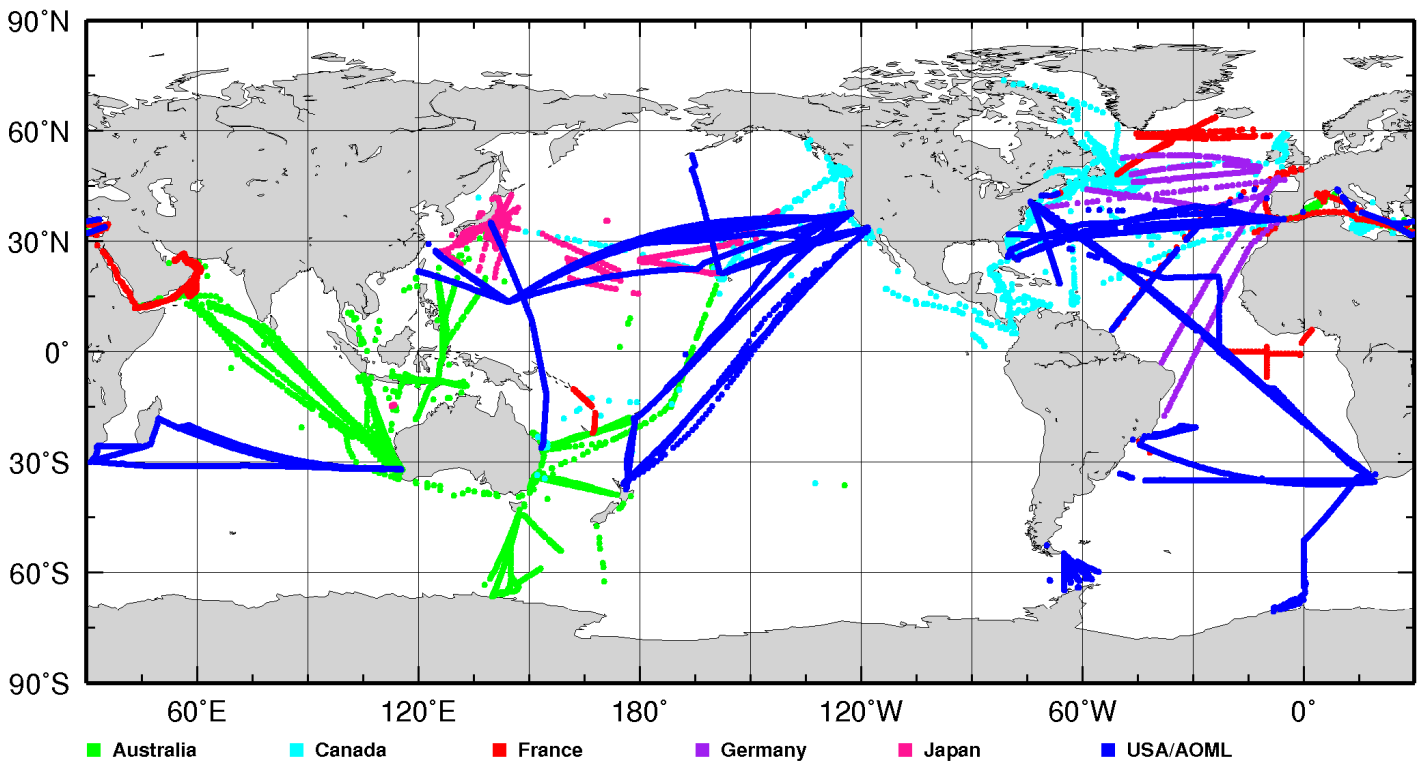
Year: 2011

Updated on Fri Oct 31 15:08:19 UTC 2014

XBT Deployments Y2011 (Total 17610)



XBT Transmissions Y2011 (Total 17610)



Review of XBT Transect Implementation

The table below provides information on the institutions participating in one or more aspects of the implementation of the XBT transects as agreed at SOT-VI. The mode of deployment (FR-frequently repeated or HD-high density) as well as the target (recommended as 18 times/year for FR and 4 times/year for HD) are also indicated for **2011-2012**. OceanObs09 recommended transects are shaded in green, while non-recommended transects are shaded in yellow.

| Transect | Agency | Mode (Target) | Status | Year |
|----------|----------|-----------------|----------|-----------|
| AX01 | 5, 1, 23 | HD (4) | Active | 1997 |
| AX02 | 1, 23, 3 | HD (4) | Active | |
| AX03 | 10, 25 | FR (2) / HD (5) | Active | 1989 |
| AX04 | 1 | FR (1) | Targeted | |
| AX07 | 1 | HD (5) | Active | 1995 |
| AX08 | 1, 6 | HD (4) | Active | 2000 |
| AX10 | 1 | HD (5) | Active | 1997 |
| AX11 | 10 | FR (8) | Active | 1990 |
| AX15 | 5 | FR (5) | Inactive | 1997-2010 |
| AX18 | 1, 11, 6 | HD (4) | Active | 2002 |
| AX20 | 5, 1, 23 | HD (4) | Active | |
| AX22 | 2, 1, 11 | HD (7) | Active | 1996 |
| AX25 | 1, 6 | HD (2) | Active | 2004 |
| AX29 | | FR | Inactive | |
| AX32 | 1, 3 | HD (8) | Active | 1981 |
| AX34 | | FR | Inactive | |
| AX97 | 1, 13 | HD (4) | Active | 2004 |

| Transect | Agency | Mode (Target) | Status | Year |
|----------|--------|---------------|-----------|-----------|
| MX01 | 21, 1 | HD | Active | 1999 |
| MX02 | 21, 1 | HD | Active | 1999 |
| MX04 | 21, 1 | HD | Active | 1999 |
| MX05 | 21, 22 | | Suspended | 1999-2010 |
| MX07 | 21, 24 | | Suspended | 1999-2010 |

| Transect | Agency | Mode (Target) | Status | Year |
|----------|------------|---------------|----------|------|
| IX01 | 9, 1 | FR (37) | Active | 1987 |
| IX02 | 2, 1 | HD (2) | Targeted | |
| IX06 | | FR | Inactive | |
| IX07 | | FR | Inactive | |
| IX08 | | FR | Inactive | |
| IX09 | 9 | FR | Active | |
| IX10 | | HD | Inactive | |
| IX12 | 9, 2, 1 | FR (14) | Active | 1986 |
| IX14 | 12 | FR | Inactive | 1990 |
| IX15 | 2, 4, 6, 1 | HD (3) | Active | 1994 |
| IX21 | 2, 4, 6, 1 | HD (3) | Active | 1994 |
| IX22 | 9 | FR (7) | Active | 1986 |
| IX28 | 4, 2, 1 | HD (5) | Active | 1993 |
| IX29 | 4 | HD (1) | Active | |
| IX31 | 2, 4 | FR | Targeted | 2006 |

| Transect | Agency | Mode (Target) | Status | Year |
|----------|------------|-----------------|-----------|------|
| PX02 | 9 | FR (12) | Active | 1983 |
| PX04 | | FR | Inactive | |
| PX05 | 2, 7, 1 | HD (4) | Active | 2009 |
| PX06 | 2, 7, 1 | HD (4) | Active | 1986 |
| PX08 | | FR | Inactive | |
| PX09 | 2, 1 | FR (2) / HD (1) | Suspended | 1987 |
| PX10 | 2, 1 | HD (4) | Active | 1991 |
| PX11 | 9 | FR (8) | Active | 1986 |
| PX13 | 2, 7, 1 | FR (8) | Suspended | 1986 |
| PX17 | | FR | Inactive | |
| PX18 | | FR | Inactive | |
| PX21 | | FR | Inactive | |
| PX26 | 2, 1 | FR | Inactive | |
| PX30 | 4, 2, 7, 1 | HD (4) | Active | 1991 |
| PX31 | 2, 7, 1 | HD (4) | Active | 1986 |
| PX33 | 4 | HD (1) | Active | |
| PX34 | 4, 2 | HD (1) | Active | 1991 |
| PX36 | 4, 18 | HD | Targeted | |
| PX37 | 2, 1 | HD (5) | Active | 1991 |
| PX38 | 2, 1 | HD (1) | Active | 1993 |
| PX39 | 25 | FR (1) | Targeted | |
| PX40 | 8, 1 | HD (4) | Active | 1998 |
| PX44 | 2, 1 | HD (4) | Active | 1991 |
| PX50 | | HD | Inactive | |
| PX81 | | HD | Inactive | |
| PX83 | 4 | FR | Inactive | |

| | | | | |
|-----------------|------------------|----------------|-------------|-----------------|
| 1 USA-NOAA/AOML | 2 USA-SIO | 3 USA-NMFS | 4 AUS-CSIRO | 5 FRA-IRD/BREST |
| 6 ZAF-UCT | 7 FRA-IRD/NOUMEA | 8 JPN-TOHOKU-U | 9 AUS-BOM | 10 GER-BSH |
| 11 ARG-SHN | 12 IND-NIO | 13 BRA-FURG | 15 IND | 16 JPN-JMA |
| 17 JPN-JAMSTEC | 18 NZL-MSNZ | 19 JPN | 21 IT-ENEA | 22 IT-INOCS |
| 23 FRA-UP | 24 CY.U.Cyprus | 25 CAN-DFO | | |

Participation by Month - Country/Institution Deploying XBTs

| Cntry/Month | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| AUS | 275 | 395 | 432 | 387 | 219 | 266 | 386 | 102 | 172 | 289 | 217 | 354 | 3494 |
| BRA | 0 | 45 | 0 | 0 | 46 | 50 | 0 | 58 | 0 | 55 | 20 | 22 | 296 |
| CAN | 0 | 109 | 152 | 203 | 281 | 103 | 208 | 187 | 174 | 84 | 97 | 76 | 1674 |
| FRA | 25 | 80 | 392 | 146 | 222 | 104 | 70 | 19 | 129 | 162 | 15 | 95 | 1459 |
| GER | 19 | 74 | 26 | 64 | 74 | 42 | 51 | 17 | 34 | 142 | 28 | 51 | 622 |
| JPN | 71 | 18 | 114 | 26 | 36 | 25 | 165 | 11 | 41 | 24 | 41 | 59 | 631 |
| USA/AOML | 7 | 245 | 364 | 254 | 43 | 266 | 329 | 311 | 369 | 236 | 581 | 399 | 3404 |
| USA/SIO | 886 | 277 | 507 | 384 | 814 | 216 | 433 | 529 | 450 | 687 | 462 | 48 | 5693 |
| ZA | 0 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 323 |
| Others | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Total | 1283 | 1410 | 1987 | 1464 | 1749 | 1072 | 1642 | 1234 | 1369 | 1679 | 1461 | 1260 | 17610 |

Participation by Month - Country/Institution Transmitting XBTs

| Cntry/Month | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| AUS | 275 | 395 | 432 | 387 | 219 | 266 | 386 | 102 | 172 | 289 | 217 | 354 | 3494 |
| CAN | 0 | 109 | 152 | 203 | 281 | 103 | 208 | 187 | 174 | 84 | 97 | 76 | 1674 |
| FRA | 25 | 80 | 392 | 146 | 222 | 104 | 70 | 19 | 129 | 0 | 15 | 95 | 1297 |
| GER | 19 | 74 | 26 | 64 | 74 | 42 | 51 | 17 | 34 | 142 | 28 | 51 | 622 |
| JPN | 71 | 18 | 114 | 26 | 36 | 25 | 165 | 11 | 41 | 24 | 41 | 59 | 631 |
| USA/AOML | 893 | 734 | 871 | 638 | 917 | 532 | 762 | 898 | 819 | 1140 | 1063 | 625 | 9892 |
| Total | 1283 | 1410 | 1987 | 1464 | 1749 | 1072 | 1642 | 1234 | 1369 | 1679 | 1461 | 1260 | 17610 |

Transects by Month

| Transect/Month | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| AX01 | 0 | 0 | 27 | 0 | 0 | 22 | 0 | 0 | 39 | 0 | 0 | 32 | 120 |
| AX02 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 136 |
| AX03 | 0 | 23 | 26 | 38 | 23 | 42 | 0 | 0 | 0 | 88 | 28 | 0 | 268 |
| AX04 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| AX05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 24 |
| AX07 | 0 | 0 | 215 | 0 | 0 | 172 | 0 | 0 | 266 | 13 | 25 | 159 | 850 |
| AX08 | 0 | 0 | 70 | 196 | 0 | 0 | 224 | 254 | 0 | 0 | 352 | 0 | 1096 |
| AX10 | 0 | 0 | 71 | 0 | 0 | 93 | 0 | 0 | 91 | 0 | 0 | 94 | 349 |
| AX11 | 19 | 51 | 0 | 47 | 51 | 0 | 51 | 17 | 34 | 54 | 0 | 51 | 375 |
| AX18 | 0 | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 167 | 0 | 360 |
| AX20 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 162 | 0 | 0 | 183 |
| AX22 | 93 | 81 | 16 | 0 | 0 | 68 | 0 | 63 | 0 | 70 | 69 | 48 | 508 |
| AX25 | 0 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 323 |
| AX32 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 81 | 0 | 66 | 190 |
| AX97 | 0 | 45 | 0 | 0 | 46 | 50 | 0 | 58 | 0 | 55 | 20 | 22 | 296 |
| IX01 | 104 | 81 | 105 | 95 | 68 | 57 | 54 | 22 | 78 | 76 | 91 | 78 | 909 |
| IX02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 113 | 85 | 0 | 0 | 0 | 198 |
| IX09 | 0 | 56 | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | 14 | 6 | 158 |
| IX12 | 100 | 0 | 54 | 109 | 0 | 58 | 72 | 0 | 20 | 0 | 0 | 0 | 413 |
| IX15 | 151 | 0 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 315 |
| IX21 | 116 | 0 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 214 |
| IX22 | 9 | 0 | 20 | 0 | 0 | 0 | 10 | 0 | 0 | 7 | 2 | 0 | 48 |
| IX28 | 0 | 56 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168 | 302 |
| IX29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 17 |
| IX31 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| PX02 | 24 | 32 | 39 | 31 | 27 | 31 | 34 | 46 | 28 | 38 | 26 | 20 | 376 |
| PX05 | 0 | 96 | 161 | 0 | 261 | 0 | 250 | 0 | 0 | 264 | 0 | 0 | 1032 |
| PX06 | 79 | 0 | 0 | 72 | 0 | 0 | 0 | 78 | 0 | 0 | 77 | 0 | 306 |
| PX10 | 118 | 0 | 121 | 122 | 0 | 66 | 57 | 0 | 116 | 121 | 0 | 0 | 721 |
| PX11 | 32 | 0 | 98 | 0 | 0 | 0 | 31 | 0 | 12 | 19 | 0 | 0 | 192 |
| PX13 | 7 | 71 | 15 | 54 | 43 | 0 | 62 | 57 | 12 | 69 | 10 | 54 | 454 |
| PX30 | 0 | 98 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 55 | 282 |
| PX31 | 192 | 37 | 0 | 30 | 188 | 0 | 0 | 216 | 0 | 0 | 214 | 0 | 877 |
| PX33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 41 |
| PX34 | 0 | 53 | 0 | 52 | 0 | 0 | 51 | 0 | 0 | 57 | 0 | 0 | 213 |
| PX36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 11 |
| PX37 | 54 | 63 | 122 | 79 | 102 | 82 | 43 | 59 | 161 | 81 | 102 | 0 | 948 |
| PX38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 79 |
| PX39 | 0 | 46 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| PX40 | 0 | 0 | 93 | 0 | 0 | 0 | 119 | 0 | 21 | 0 | 0 | 0 | 233 |
| PX44 | 83 | 0 | 87 | 81 | 1 | 0 | 83 | 0 | 100 | 72 | 0 | 0 | 507 |
| PX49 | 0 | 0 | 0 | 0 | 0 | 30 | 4 | 0 | 0 | 0 | 0 | 0 | 34 |
| MED | 0 | 41 | 50 | 74 | 150 | 55 | 130 | 1 | 3 | 35 | 24 | 23 | 586 |
| ATL | 4 | 38 | 85 | 102 | 136 | 61 | 84 | 100 | 101 | 32 | 108 | 77 | 928 |
| PAC | 73 | 86 | 30 | 82 | 196 | 119 | 211 | 62 | 133 | 70 | 73 | 67 | 1202 |
| IND | 4 | 28 | 307 | 105 | 99 | 66 | 25 | 32 | 15 | 3 | 18 | 10 | 712 |
| GMCS | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 32 | 54 | 43 | 7 | 0 | 140 |
| N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1283 | 1410 | 1987 | 1464 | 1749 | 1072 | 1642 | 1234 | 1369 | 1679 | 1461 | 1260 | 17610 |

ATL Atlantic Ocean

GMCS Gulf of Mexico and Caribbean

IND Indian Ocean

MED Mediterranean

PAC Pacific Ocean

N/A Not Available