

SOOP Annual Report

2008



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1. Summary

This report is based upon input provided by SOOP operators and GTS statistics from the Meteo France node.

During the period January to December 2008, **19351** drops were committed to SOOP by the participants (other drops for which information was not provided to the SOOP Coordinator are not counted here). The number of probes committed to the programme is higher than the same period last year (i.e. about 18108 probes for January-December 2007).

Note: For 2008 New Caledonia inputs are missing.

Of those, **15767** were assigned to **Upper Ocean Thermal (UOT) review lines** (figure 7). Based on UOT recommended lines and proposed sampling, it is estimated that about 25500 probes are required per year in order to sample all UOT lines properly. 3300 Argo floats were operational on 31 December 2008 for a target of 3000 floats.

This review ignores national requirements, which sometimes lead to over sampling of certain lines when compared to global SOOP requirements. Considering that the Argo is now fully implemented, the UOT goals should be reviewed. SOOPIP can potentially enhance the situation in the Southern Ocean, in particular in South West Indian Ocean and South Atlantic, where there is still a lack of data. This will be a challenge for SOOP and the wider Oceanographic and Climate communities in the future.

For a total of 45 FRX and HDX UOT lines (some of them operated in both modes) we had the following summarised results for the period (which represent a slight improvement on 2005):

- Well Sampled: 13
- Oversampled: 1
- 50% Sampled: 7
- Undersampled: 9
- Not Sampled: 15

Description of Figures and Tables:

Figure 1 shows JAF00S density maps corresponding to analysis error for 150m depth-average temperature (plus normalized and observation analysis error) for December 2008. It takes into account different observing systems such as TAO, Argo, and SOOP.

Figure 2, 3 shows MEDS density map for December 2008 and January to December 2008 (number of months with required observations in each box) for profile temperature data.

Figure 4 shows all observations reporting profile data onto the GTS during December 2008, including buoys, moorings, profiling floats, and XBTs.

Figures 1, 2, 3, 4 provide information on the broadcast mode. It appears that (i) SOOPIP helped in achieving relatively good coverage globally although this is not the aim of SOOP considering that the Argo array is fully implemented, and (ii)

Figure 5 shows SOOP status by country for the period January to December 2008.

Figure 6 shows all the XBT profiles that were distributed on GTS during the period January to December 2008. It includes profiles that were made available to the GTS but not necessarily to SOOP (or the SOOP coordinator for the purpose of this report).

Figure 7 shows position of all SOOP lines.

Figure 8 shows position of all SOOP UOT lines.

Figure 9, 10 and 11 shows the distribution of XBT drops by country, SOOP operator and ocean basin, for 2007 and 2008.

Figure 12 shows the analysis performed based on this SOOP Annual Report for 2008 along each SOOP line – indicating if the line was **Well Sampled**, **Oversampled**, **50% sampled** or **Undersampled** (those lines not sampled appear as dashed grey lines).

Figure 13 shows the analysis performed based on this SOOP Annual Report for 2008 along each SOOP UOT Review line – indicating if the line was **Well Sampled**, **Oversampled**, **50% sampled** or **Undersampled** (those lines not sampled appear as dashed grey lines) based on Upper Ocean Thermal Review requirements.

Table 1 shows the number of drops made by SOOP operators in each ocean basin.

Table 2 shows SOOP lines that were sampled during the period January to December 2008, and the number of drops made by each operator.

Table 3 shows Comments for relative level of sampling of UOT lines during the period January to December 2008.

Table 4 shows Comments for all sampling of all lines during the period January to December 2008.

Access to the web pages that summarize each line sampling using the links provided directly in the table.

The website includes charts and tables of sampling for the SOOP Programs on the selected line, including computation of Space vs. Time 2D diagrams, with maps and graphs of coverage.

N.B. When more than one link for a line is available, that is because there are different modes of sampling – the standard mode and the Upper Ocean Thermal Review mode. This also applies to those lines sampled in FHD – Frequent High Density mode, where the line sampling is assessed against both High Density Mode HDX and Frequently Repeated Mode FRX.

Figure 1: JAF00S density maps, December 2008.
Source: <http://www.bom.gov.au/bmrc/ocean/JAF00S/UOT.html>

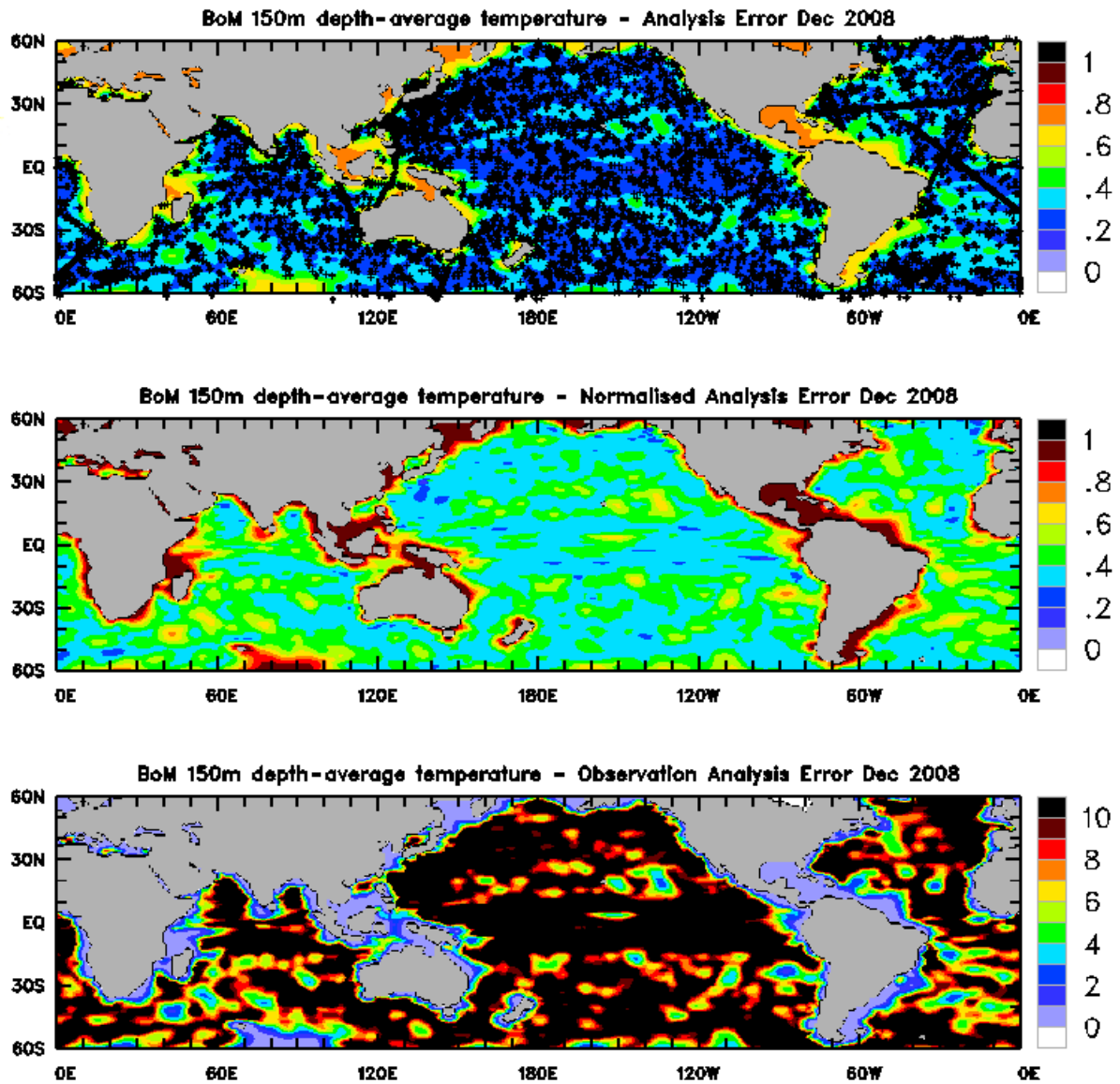


Figure 2, 3: MEDS density map, December 2008, and January – December 2008.
 Source: http://www.meds-sdmm.dfo-mpo.gc.ca/meds/Prog_Int/SOOPIP/SOOPIP_e.htm

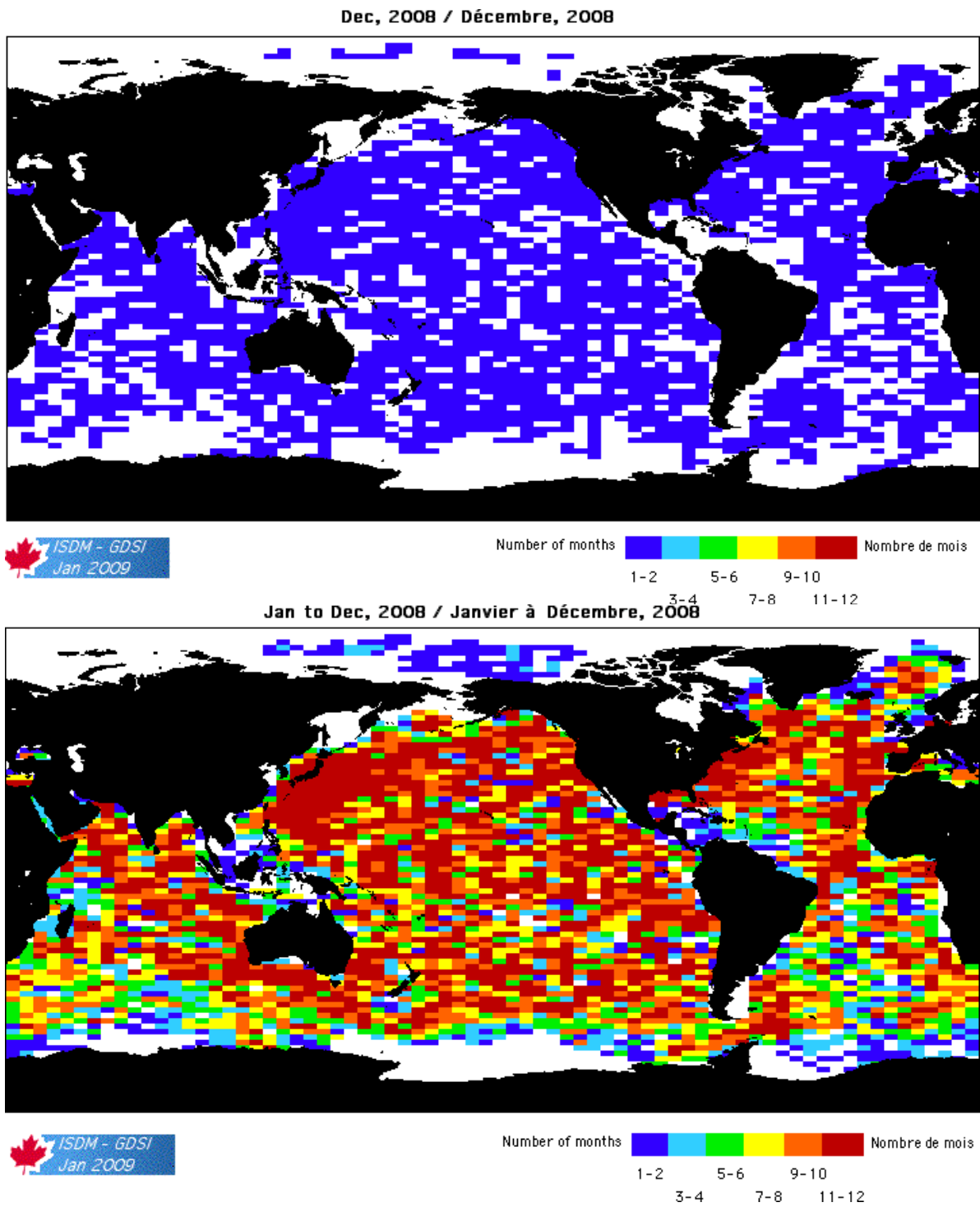


Figure 4: Main in-situ observing systems providing temperature profiles on GTS in December 2008.

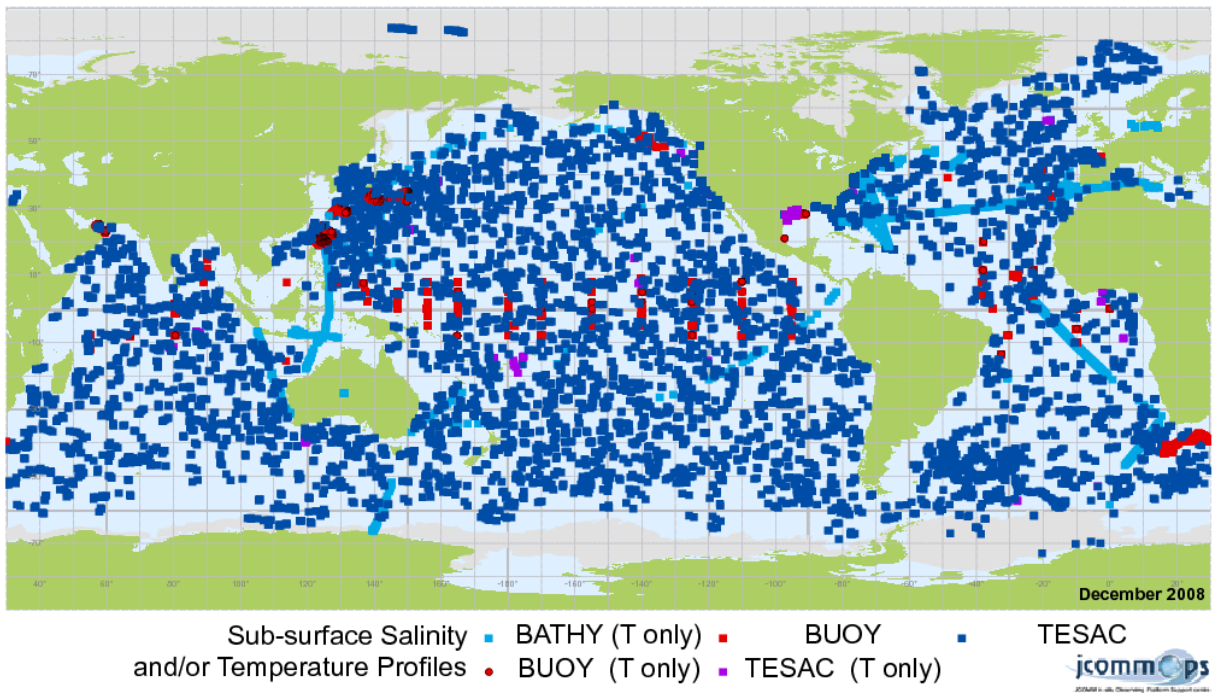


Figure 5: XBT drops by country for the period January to December 2008.

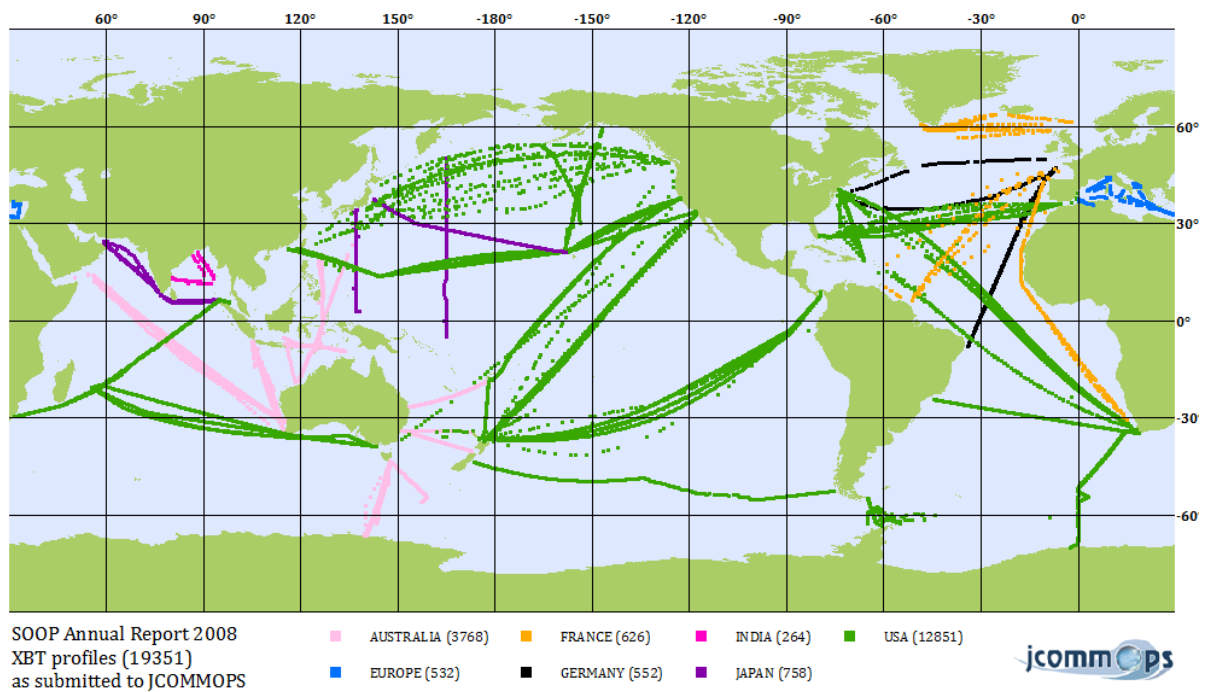


Figure 6: XBT reports distributed on GTS during January to December 2008 (by originating centre)

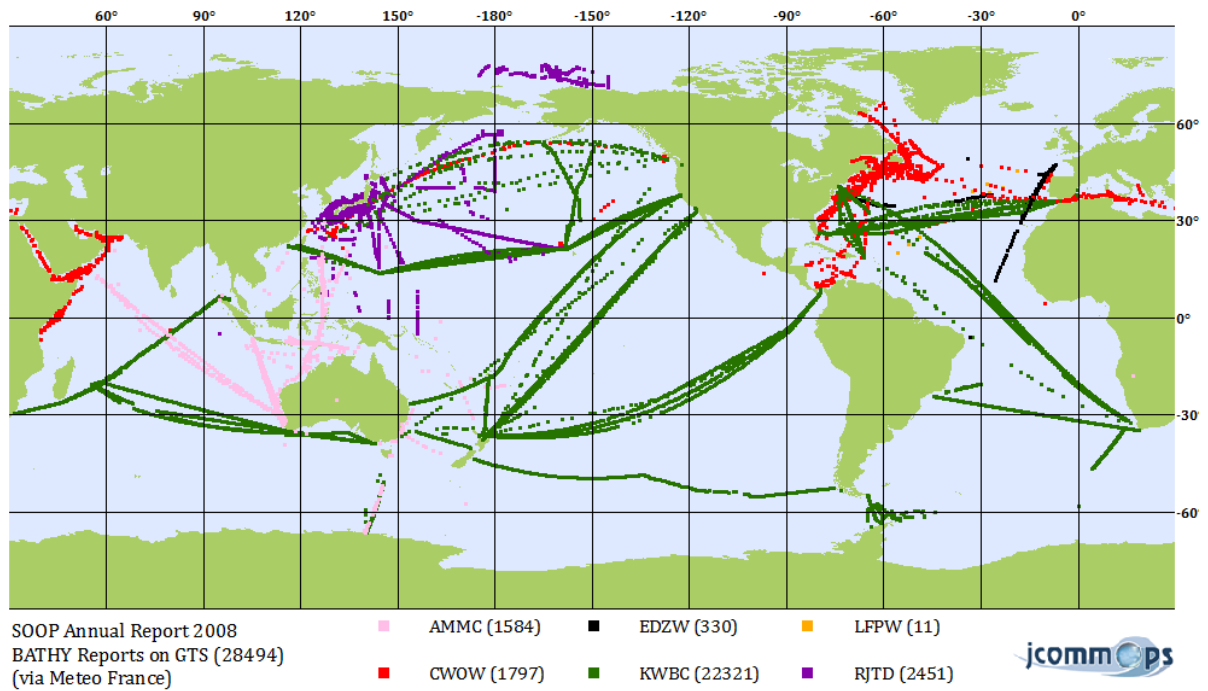


Figure 7: SOOP lines



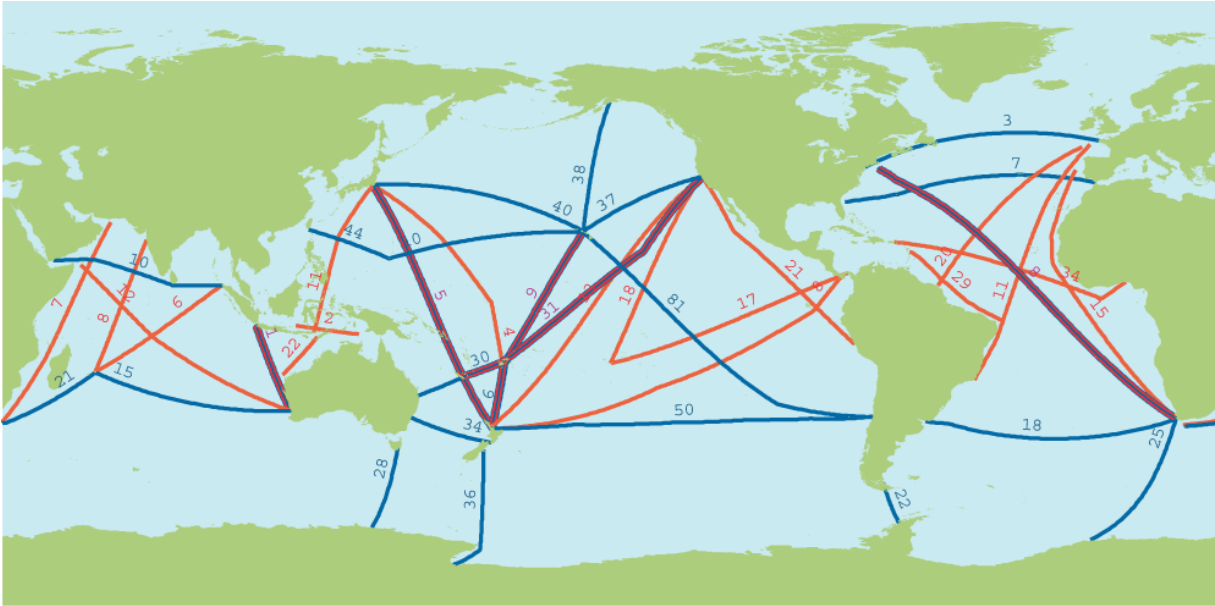
Ship Of Opportunity Programme (SOOP) lines

High density lines (HDX)

Frequently Repeated lines (FRX)

Low density lines (LDX)

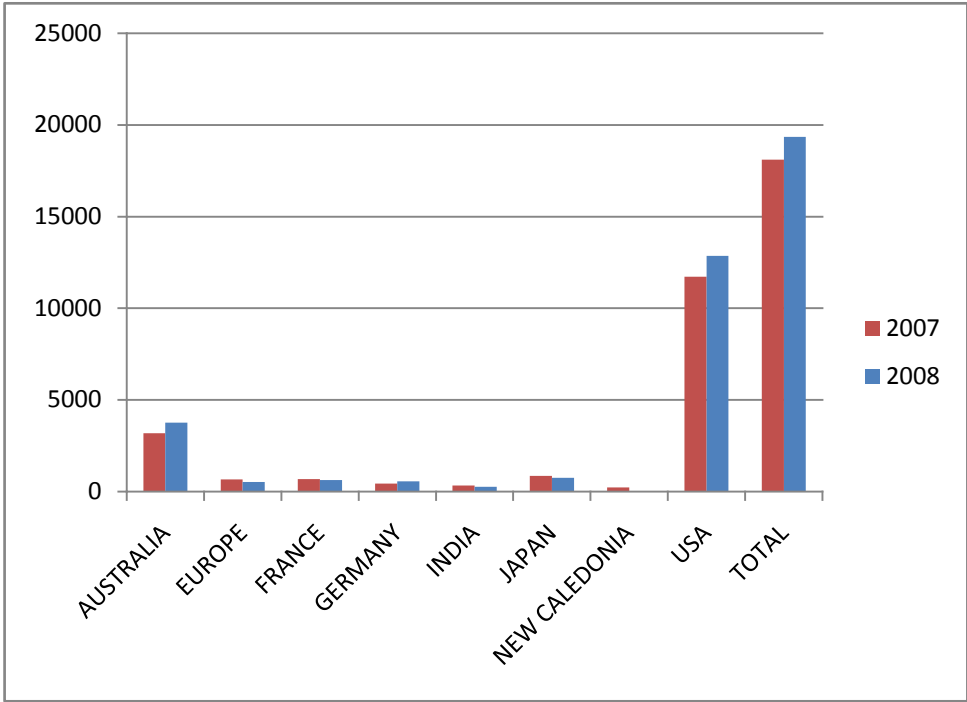
Figure 8: Upper Ocean Thermal Review lines



Upper Ocean Thermal Review SOOP lines

- High density lines (HDX)
- Frequently Repeated lines (FRX)
- Both

Figure 9, 10 and 11: Total number of drops during 2007 and 2008 by country, SOOP operator and ocean basin.



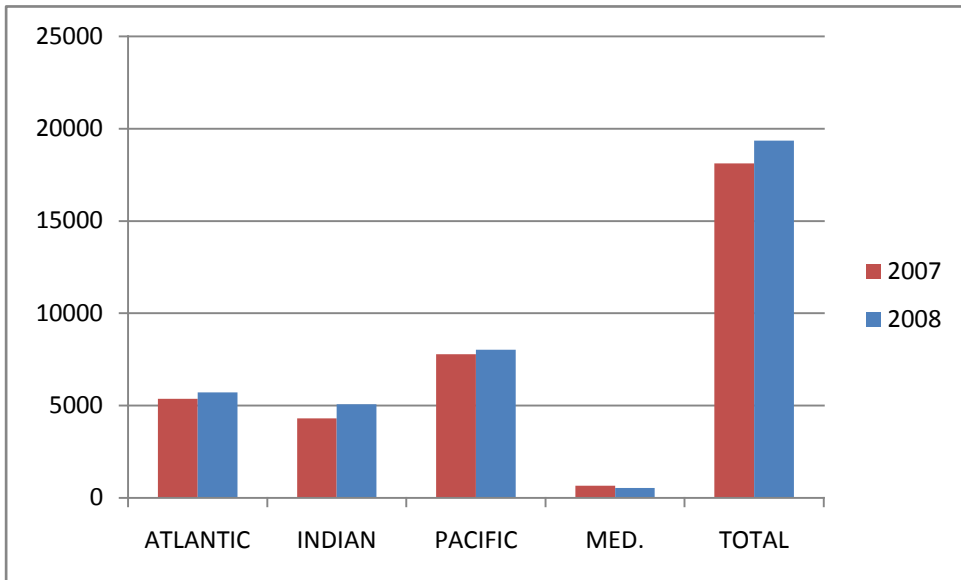
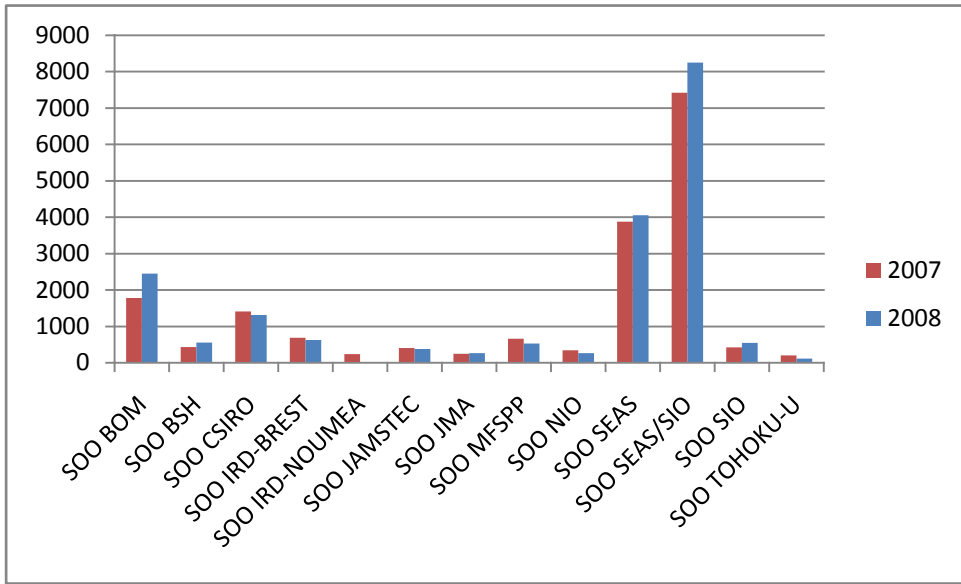
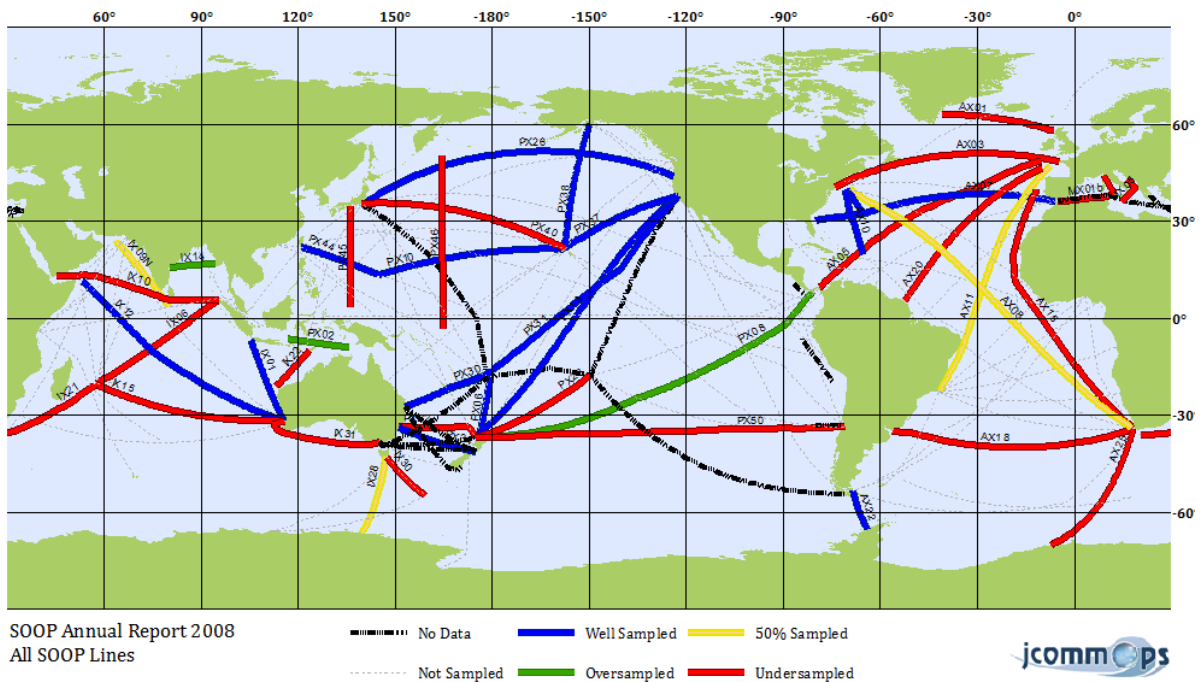


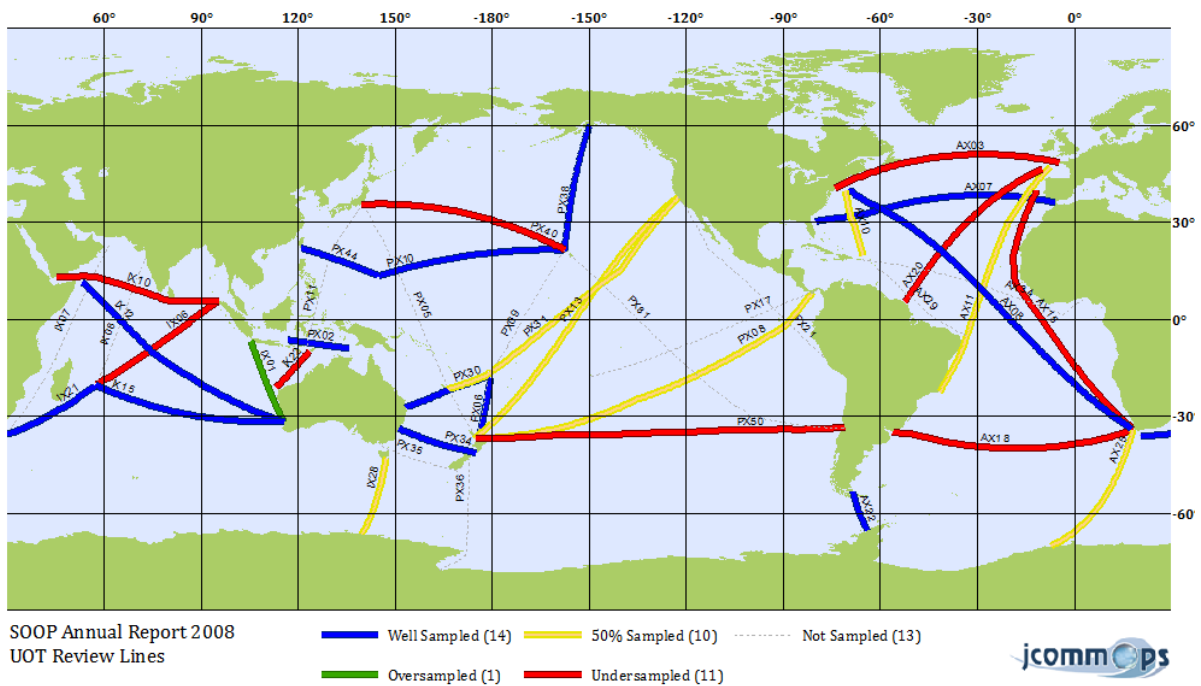
Figure 12: Results of analysis (comments) for January to December 2008 along all SOOP Lines



See:

<http://www.jcommops.org/FTPRoot/SOT/SOOP/Maps/2008-SOOP-COMMENT.png>
<http://www.jcommops.org/FTPRoot/SOT/SOOP/Maps/2008-SOOP-COMMENT.pdf>

Figure 13: Results of analysis (comments) for January to December 2008 along only UOT Review SOOP Lines



See:

<http://www.jcommops.org/FTPRoot/SOT/SOOP/Maps/2008-SOOP-COMMENT-UOT.png>
<http://www.jcommops.org/FTPRoot/SOT/SOOP/Maps/2008-SOOP-COMMENT-UOT.pdf>

Table 1: Total number of drops during the period January to December 2008 by SOOP operator and ocean basin.

| Operator | Atlantic | Indian | Pacific | Mediterranean | Total |
|-------------------------|-------------|-------------|-------------|---------------|--------------|
| BOM | | 2128 | 326 | | 2454 |
| BSH | 552 | | | | 552 |
| CSIRO | | 575 | 739 | | 1314 |
| IRD (Brest) | 626 | | | | 626 |
| IRD (Nouméa) | | | | | - |
| JMA | | | 268 | | 268 |
| JMA/JAMSTEC | | 376 | | | 376 |
| MFSP/ MOON | | | | 532 | 532 |
| NIO | | 264 | | | 264 |
| SEAS | 4054 | | | | 4054 |
| SEAS/SIO | 492 | 1725 | 6031 | | 8248 |
| SIO | | | 549 | | 549 |
| TOHOKU-U/JAMSTEC | | | 114 | | 114 |
| Total | 5724 | 5068 | 8027 | 532 | 19351 |

Table 2: SOOP lines that were sampled during the period January to December 2008 and number of drops made by each operator.

| Line | Type | Thermal Type | End points | Program | Drops | Transects |
|-------|----------|--------------|--|----------------|-------|-----------|
| AX01 | LDX | /// | Greenland - Iceland - Ireland/Scotland/Denmark | SOO IRD_BREST | 187 | 9 |
| AX03 | HDX | HDX | Europe - New York | SOO BSH | 140 | 2 |
| AX05 | LDX | /// | Europe - Panama Canal | SOO IRD_BREST | 20 | 2 |
| AX07 | HDX | HDX | Florida Straits - Gibraltar | SOO SEAS | 1124 | 18 |
| AX08 | FRX | FHD | New York - Cape Town | SOO SEAS | 1517 | 15 |
| AX10 | HDX | FHD | New York - Puerto Rico | SOO SEAS | 669 | 24 |
| AX11 | FRX | FRX | Europe - Brazil | SOO BSH | 412 | 8 |
| AX15 | FRX | FRX | Europe - Cape of Good Hope | SOO IRD_BREST | 287 | 15 |
| AX17 | LDX | /// | Rio de Janeiro - Cape of Good Hope | SOO SEAS | | |
| AX18 | LDX | HDX | Buenos Aires - Cape of Good hope | SOO SEAS | 171 | 1 |
| AX20 | LDX | FRX | Europe - French Guyana | SOO IRD_BREST | 132 | 7 |
| AX22 | HDX | HDX | Drake Passage | SOO SEAS/SIO | 492 | 8 |
| AX25 | LDX | HDX | Cape of Good Hope - Antarctica | SOO SEAS | 321 | 3 |
| AX32 | LDX | /// | New York - Bermuda | SOO SEAS | 252 | 19 |
| IX01 | FRX | FHD | Fremantle - Sunda Straits | SOO BOM | 784 | 34 |
| IX06 | FRX | FRX | Mauritius/La Réunion - Malacca Strait | SOO SEAS/SIO | 465 | 4 |
| IX08 | LDX | FRX | Mauritius - Bombay | SOO NIO | 0 | 0 |
| IX09N | FRX | /// | Sri Lanka - Persian Gulf (IX09 North) | SOO JAMSTEC | 224 | 14 |
| IX10 | LDX | HDX | Red Sea - Malacca Strait/Singapore | SOO JAMSTEC | 152 | 14 |
| IX12 | FRX | FRX | Fremantle - Red Sea | SOO BOM | 843 | 13 |
| IX14 | LDX | /// | Bay of Bengal | SOO NIO | 264 | 23 |
| IX15 | LDX | HDX | Mauritius - Fremantle | SOO SEAS/SIO | 537 | 4 |
| IX21 | LDX | HDX | Cape of Good Hope - Mauritius | SOO SEAS/SIO | 413 | 7 |
| IX22 | FRX | FRX | Shark Bay - Timor Strait/Banda Sea | SOO BOM | 501 | 11 |
| IX28 | HDX | HDX | Hobart, Tasmania - Dumont d'Urville | SOO CSIRO | 508 | 6 |
| IX30 | LDX | /// | Hobart - Macquarie Island (is also PX33) | SOO CSIRO | 67 | 1 |
| IX31 | LDX | /// | Melbourne - Point Leeuwin (Australia) | SOO SEAS/SIO | 310 | 4 |
| MX01 | HDX | /// | Haifa-Gibraltar | SOO MFSPP | 170 | 7 |
| MX01b | HDX | /// | Palermo-Gibraltar | SOO MFSPP | 107 | 6 |
| MX04 | HDX | /// | Genova-Palermo | SOO MFSPP | 85 | 4 |
| MX05 | HDX | /// | Ploce-Malta | SOO MFSPP | 133 | 6 |
| MX07 | HDX | /// | P.Said-Limassol | SOO MFSPP | 37 | 2 |
| PX02 | LDX | FRX | Flores Sea - Torres Strait | SOO BOM | 320 | 19 |
| PX04 | FRX | FRX | Japan - Kiribati - Fiji/Samoa | SOO IRD_NOUMEA | 0 | 0 |
| PX06 | HDX | HDX | Suva, Fiji - Auckland, New Zealand | SOO SEAS/SIO | 214 | 3 |
| PX08 | LDX | FRX | Auckland, New Zealand - Panama | SOO SEAS/SIO | 1136 | 12 |
| PX10 | HDX | HDX | Hawaii - Guam/Saipan | SOO SEAS/SIO | 1101 | 22 |
| PX12 | LDX | /// | Tahiti - Nouméa | SOO IRD_NOUMEA | 0 | 0 |
| PX13 | LDX | FRX | New Zealand - California | SOO SEAS/SIO | 856 | 16 |
| PX18 | FRX | FRX | Tahiti - California | SOO SEAS/SIO | 0 | 0 |
| PX26 | TRANSPAC | /// | TRANSPAC | SOO SEAS/SIO | 619 | 20 |
| PX28 | LDX | /// | Tahiti - Sydney/Auckland | SOO SEAS/SIO | 14 | 2 |

| | | | | | | |
|--------------|-----|-----|--|-----------------------|-------|-----|
| PX30 | HDX | HDX | Brisbane/Sydney - Noumea -Fiji | SOO CSIRO | 470 | 4 |
| PX31 | LDX | FHD | Nouméa/Suva, Fiji - California | SOO SEAS/SIO | 708 | 4 |
| PX32 | LDX | /// | Sydney - Auckland | SOO CSIRO/BOM | 75 | 2 |
| PX33 | LDX | /// | Hobart - Macquarie Island (is also IX30) | SOO SEAS/SIO | 0 | 0 |
| PX34 | HDX | HDX | Sydney - Wellington | SOO CSIRO | 200 | 3 |
| PX37 | HDX | HDX | Hawaii - California | SOO SEAS/SIO | 741 | 22 |
| PX38 | HDX | HDX | Hawaii - Alaska | SOO SIO | 276 | 3 |
| PX39 | LDX | /// | Hawaii - Seattle/Vancouver | SOO SEAS/SIO | 0 | 0 |
| PX40 | HDX | HDX | Hawaii - Japan | SOO TOHOKU/JAMSTEC | 114 | 1 |
| PX42 | LDX | /// | Hawaii - New Guinea/Solomon Islands | SOO SEAS/SIO | 0 | 0 |
| PX44 | HDX | HDX | Guam - HongKong/Taiwan | SOO SEAS/SIO | 631 | 21 |
| PX45 | LDX | /// | (3N, 137E) - (34N,137E) | SOO JMA | 167 | 6 |
| PX46 | LDX | /// | (3S, 165E) - (50N, 165E) | SOO JMA | 101 | 2 |
| PX50 | HDX | HDX | Valparaiso - Auckland | SOO SEAS/SIO | 273 | 2 |
| PX53 | LDX | /// | Taiwan/Mindanao - Fiji | SOO IRD_NOUMEA | | |
| PX83 | LDX | /// | Melbourne - Auckland | SOO SEAS/SIO | 11 | 5 |
| XX01 | | /// | No specific line assigned | SOO MFSP | | |
| Total | | | | | 19351 | 460 |

Table 3: Sampling of UOT lines

UOT lines (comments in relation to UOT requirements).

Color codes: Blue- Well Sampled, Green - Oversampled, Yellow - 50% sampled, Red - Undersampled

| Line | End points | UOT type | Drops | Transects | Comments for UOT type |
|-------|---------------------------------------|----------|-------|-----------|-----------------------|
| AX03 | Europe - New York | HDX | 140 | 2 | Undersampled |
| AX07 | Florida Straits - Gibraltar | HDX | 1124 | 18 | Well Sampled |
| AX08 | New York - Cape Town | FHD | 1517 | 15 | Well Sampled |
| AX10 | New York - Puerto Rico | FHD | 669 | 24 | 50% Sampled |
| AX11 | Europe - Brazil | FRX | 412 | 8 | 50% Sampled |
| AX15 | Europe - Cape of Good Hope | FRX | 287 | 15 | Undersampled |
| AX18 | Buenos Aires - Cape of Good hope | HDX | 171 | 1 | Undersampled |
| AX20 | Europe - French Guyana | FRX | 132 | 7 | Undersampled |
| AX22 | Drake Passage | HDX | 492 | 8 | Well Sampled |
| AX25 | Cape of Good Hope - Antarctica | HDX | 321 | 3 | 50% Sampled |
| AX29 | Antigua - Cabo de Sao Roque, Brazil | FRX | - | - | Not Sampled |
| AX34 | Gulf of Guinea - Caribbean | FRX | - | - | Not Sampled |
| IX01 | Fremantle - Sunda Straits | FHD | 784 | 34 | Oversampled |
| IX06 | Mauritius/La Réunion - Malacca Strait | FRX | 465 | 4 | Undersampled |
| IX07 | Cape of Good Hope - Persian Gulf | FRX | - | - | Not Sampled |
| IX08 | Mauritius - Bombay | FRX | 0 | 0 | Not Sampled |
| IX09S | Fremantle - Sri Lanka | FRX | - | - | Not Sampled |
| IX10 | Red Sea - Malacca Strait/Singapore | HDX | 152 | 14 | Undersampled |
| IX12 | Fremantle - Red Sea | FRX | 843 | 13 | Well Sampled |
| IX15 | Mauritius - Fremantle | HDX | 537 | 4 | Well Sampled |
| IX21 | Cape of Good Hope - Mauritius | HDX | 413 | 7 | Well Sampled |
| IX22 | Shark Bay - Timor Strait/Banda Sea | FRX | 501 | 11 | Undersampled |
| IX28 | Hobart, Tasmania - Dumont d'Urville | HDX | 508 | 6 | 50% Sampled |
| PX02 | Flores Sea - Torres Strait | FRX | 320 | 19 | Well Sampled |
| PX04 | Japan - Kiribati - Fiji/Samoa | FRX | 0 | 0 | |
| PX05 | Japan - New Zealand | FHD | - | - | Not Sampled |
| PX06 | Suva, Fiji - Auckland, New Zealand | HDX | 214 | 3 | Well Sampled |
| PX08 | Auckland, New Zealand - Panama | FRX | 1136 | 12 | 50% Sampled |
| PX09 | Hawaii - Fiji/Auckland | FHD | - | - | Not Sampled |
| PX10 | Hawaii - Guam/Saipan | HDX | 1101 | 22 | Well Sampled |
| PX11 | Flores Sea - Japan | FRX | - | - | Not Sampled |
| PX13 | New Zealand - California | FRX | 856 | 16 | 50% Sampled |
| PX17 | Tahiti/Maruroa - Panama | FRX | - | - | Not Sampled |
| PX18 | Tahiti - California | FRX | 0 | 0 | |
| PX21 | California - Chile | FRX | - | - | Not Sampled |
| PX30 | Brisbane/Sydney - Noumea -Fiji | HDX | 470 | 4 | Well Sampled |
| PX31 | Noumea/Suva, Fiji - California | FHD | 708 | 4 | 50% Sampled |
| PX34 | Sydney - Wellington | HDX | 200 | 3 | Well Sampled |
| PX35 | Melbourne - Dunedin | HDX | - | - | Not Sampled |
| PX36 | Christchurch - McMurdo | HDX | - | - | Not Sampled |

| | | | | | |
|------|----------------------------|-----|--------------|------------|--------------|
| PX38 | Hawaii - Alaska | HDX | 276 | 3 | Well Sampled |
| PX40 | Hawaii - Japan | HDX | 114 | 1 | Undersampled |
| PX44 | Guam - HongKong/Taiwan | HDX | 631 | 21 | Well Sampled |
| PX50 | Valparaiso - Auckland | HDX | 273 | 2 | Undersampled |
| PX81 | Honolulu - Coronel (Chile) | HDX | - | - | Not Sampled |
| | | | 15767 | 304 | |

Table 4: Sampling of all SOOP Lines

All SOOP lines (comments in relation to standard sampling mode).

Color codes: Blue- Well Sampled, Green – Oversampled, Yellow - 50% sampled, Red – Undersampled

| Line | End points | Line Sampling Mode | Additional Modes | | UOT type | Drops | Transects | Comment | Comment UOT Review Type | Additional Note |
|-------|--|---------------------|---------------------|--|----------|-------|-----------|--------------|-------------------------|------------------------------------|
| AX01 | Greenland - Iceland - Ireland/Scotland/Denmark | LDX | | | /// | 187 | 9 | Undersampled | | |
| AX02 | Newfoundland - Iceland | LDX | | | /// | - | - | Not Sampled | | |
| AX03 | Europe - New York | HDX | | | HDX | 140 | 2 | Undersampled | Undersampled | |
| AX04 | New York - Gibraltar | LDX | | | /// | - | - | Not Sampled | | |
| AX05 | Europe - Panama Canal | LDX | | | /// | 20 | 2 | Undersampled | | |
| AX06 | New York - Abidjan | LDX | | | /// | - | - | Not Sampled | | |
| AX07 | Florida Straits - Gibraltar | HDX | | | HDX | 1124 | 18 | Well Sampled | Well Sampled | |
| AX08 | New York - Cape Town | FRX | HDX | | FHD | 1517 | 15 | 50% Sampled | Well Sampled | 50% sampled FRX, some oversampling |
| AX09 | Trinidad/Caracas - Gibraltar | LDX | | | /// | - | - | Not Sampled | | |
| AX10 | New York - Puerto Rico | HDX | FRX | | FHD | 669 | 24 | Well Sampled | 50% Sampled | Oversampled 2nd half of year |
| AX11 | Europe - Brazil | FRX | | | FRX | 412 | 8 | 50% Sampled | 50% Sampled | 50% in HDX, |
| AX12 | Europe - Antarctica | LDX | | | /// | - | - | Not Sampled | | |
| AX13 | Rio de Janeiro - Monrovia (Liberia) | LDX | | | /// | - | - | Not Sampled | | |
| AX14 | Rio de Janeiro - Lagos (Nigeria) | LDX | | | /// | - | - | Not Sampled | | |
| AX15 | Europe - Cape of Good Hope | FRX | | | FRX | 287 | 15 | Undersampled | Undersampled | Sampled in LDX. |
| AX16 | Rio de Janeiro - Walvis Bay | LDX | | | /// | - | - | Not Sampled | | |
| AX17 | Rio de Janeiro - Cape of Good Hope | LDX | | | /// | 0 | 0 | Not Sampled | | |
| AX18 | Buenos Aires - Cape of Good hope | LDX | HDX | | HDX | 171 | 1 | Undersampled | Undersampled | |
| AX19 | Cape Horn - Cape of Good Hope | LDX | | | /// | - | - | Not Sampled | | |
| AX20 | Europe - French Guyana | LDX | FRX | | FRX | 132 | 7 | Undersampled | Undersampled | |
| AX20b | Cape Verde - Belem (Brazil) | LDX | | | /// | - | - | Not Sampled | | |
| AX21 | Rio de Janeiro - Pointe Noire/Luanda | LDX | | | /// | - | - | Not Sampled | | |
| AX22 | Drake Passage | HDX | | | HDX | 492 | 8 | Well Sampled | Well Sampled | |
| AX23 | Gulf of Mexico | LDX | | | /// | - | - | Not Sampled | | |
| AX25 | Cape of Good Hope - Antarctica | LDX | HDX | | HDX | 321 | 3 | Undersampled | 50% Sampled | |
| AX26 | Cape of Good Hope - Lagos (Nigeria) | LDX | | | /// | - | - | Not Sampled | | |
| AX27 | Brazil - Cape Horn | LDX | | | /// | - | - | Not Sampled | | |

| | | | | | | | | | |
|-------|---------------------------------------|---------------------|---------------------|-----|-----|----|--------------|--------------|---|
| AX29 | Antigua - Cabo de Sao Roque, Brazil | FRX | | FRX | - | - | Not Sampled | Not Sampled | |
| AX32 | New York - Bermuda | LDX | | /// | 252 | 19 | Well Sampled | | |
| AX33 | Boston - Halifax/Nova Scotia | LDX | | /// | - | - | Not Sampled | | |
| AX34 | Gulf of Guinea - Caribbean | LDX | FRX | FRX | - | - | Not Sampled | Not Sampled | |
| AX35 | Cape of Good Hope - Recife | LDX | | /// | - | - | Not Sampled | | |
| AX36 | Cape Horn - Gulf of Guinea | LDX | | /// | - | - | Not Sampled | | |
| AX98 | Norwegian Sea | /// | | /// | - | - | Not Sampled | | |
| AX99 | S. Ocean | /// | | /// | - | - | Not Sampled | | |
| IX01 | Fremantle - Sunda Straits | FRX | HDX | FHD | 784 | 34 | Well Sampled | Oversampled | |
| IX02 | Cape of Good Hope - Fremantle | LDX | | /// | - | - | Not Sampled | | |
| IX03 | Red Sea - Mauritius/La Reunion | FRX | | /// | - | - | Not Sampled | | |
| IX06 | Mauritius/La Reunion - Malacca Strait | FRX | | FRX | 465 | 4 | Undersampled | Undersampled | Sampled in HDX. |
| IX07 | Cape of Good Hope - Persian Gulf | LDX | FRX | FRX | - | - | Not Sampled | Not Sampled | |
| IX08 | Mauritius - Bombay | LDX | FRX | FRX | 0 | 0 | Not Sampled | Not Sampled | |
| IX09 | Fremantle - Persian Gulf | FRX | | /// | - | - | Not Sampled | | |
| IX09N | Sri Lanka - Persian Gulf (IX09 North) | FRX | | /// | 224 | 14 | 50% Sampled | | |
| IX09S | Fremantle - Sri Lanka | FRX | | FRX | - | - | Not Sampled | Not Sampled | |
| IX10 | Red Sea - Malacca Strait/Singapore | LDX | HDX | HDX | 152 | 14 | Undersampled | Undersampled | Well Sampled East Section Japan (2007&2008) |
| IX11 | Calcuta - Java Sea | LDX | | /// | - | - | Not Sampled | | |
| IX12 | Fremantle - Red Sea | FRX | | FRX | 843 | 13 | Well Sampled | Well Sampled | Somewhat oversampled |
| IX14 | Bay of Bengal | LDX | | /// | 264 | 23 | Oversampled | | |
| IX15 | Mauritius - Fremantle | LDX | HDX | HDX | 537 | 4 | Undersampled | Well Sampled | Only sampled HDX |
| IX16 | Mombassa - Singapore | LDX | | /// | - | - | Not Sampled | | |
| IX17 | Mombassa - Karachi | LDX | | /// | - | - | Not Sampled | | |
| IX18 | Mombassa - Bombay | LDX | | /// | - | - | Not Sampled | | |
| IX19 | La Renion/Mauritius - Kerguelen | LDX | | /// | - | - | Not Sampled | | |
| IX19b | La Reunion/Mauritius - Amsterdam | LDX | | /// | - | - | Not Sampled | | |
| IX20 | Mauritius - Rodriguez | LDX | | /// | - | - | Not Sampled | | |

| | | | | | | | | | |
|-------|--|---------------------|---------------------|-----|-----|----|--------------|--------------|------------------------------------|
| IX21 | Cape of Good Hope - Mauritius | LDX | HDX | HDX | 413 | 7 | Undersampled | Well Sampled | Better in the East |
| IX22 | Shark Bay - Timor Strait/Banda Sea | FRX | | FRX | 501 | 11 | Undersampled | Undersampled | |
| IX23 | Hobart - Casey Station | LDX | | /// | - | - | Not Sampled | | |
| IX25 | Mauritius - Karachi | LDX | | /// | - | - | Not Sampled | | |
| IX26 | Red Sea - Karachi | LDX | | /// | - | - | Not Sampled | | |
| IX27 | Mombassa - La Reunion | LDX | | /// | - | - | Not Sampled | | |
| IX28 | Hobart, Tasmania - Dumont d'Urville | HDX | | HDX | 508 | 6 | 50% Sampled | 50% Sampled | |
| IX29 | Macquarie Island - Casey Station | LDX | | /// | - | - | Not Sampled | | |
| IX30 | Hobart - Macquarie Island (is also PX33) | LDX | | /// | 67 | 1 | Undersampled | | |
| IX31 | Melbourne - Point Leeuwin (Australia) | LDX | | /// | 310 | 4 | Undersampled | | Sampled in HDX. (SEAS 2007 & 2008) |
| MX01 | Haifa-Gibraltar | HDX | | /// | 170 | 7 | 50% Sampled | | |
| MX01a | Haifa-Messina | HDX | | /// | - | - | Not Sampled | | |
| MX01b | Palermo-Gibraltar | HDX | | /// | 107 | 6 | Undersampled | | Not Along Line |
| MX02a | Barcelona-Arzew | HDX | | /// | - | - | Not Sampled | | |
| MX02b | Barcelona-Skikda | HDX | | /// | - | - | Not Sampled | | |
| MX02c | Barcelona-Mersa El Brega | LDX | | /// | - | - | Not Sampled | | |
| MX03 | Sete-Tunis | HDX | | /// | - | - | Not Sampled | | |
| MX04 | Genova-Palermo | HDX | | /// | 85 | 4 | Undersampled | | |
| MX05 | Ploce-Malta | HDX | | /// | 133 | 6 | Undersampled | | |
| MX06 | Pireus-Crete-Alessandria | HDX | | /// | - | - | Not Sampled | | |
| MX07 | P.Said-Limassol | HDX | | /// | 37 | 2 | Undersampled | | |
| MX09 | | LDX | | /// | - | - | Not Sampled | | |
| PX01 | Seattle/Vancouver - Indonesia | LDX | | /// | - | - | Not Sampled | | |
| PX02 | Flores Sea - Torres Strait | LDX | FRX | FRX | 320 | 19 | Oversampled | Well Sampled | |
| PX03 | Coral Sea | LDX | | /// | - | - | Not Sampled | | Better 2nd Half of the year |
| PX04 | Japan - Kiribati - Fiji/Samoa | FRX | | FRX | 0 | 0 | | | |
| PX05 | Japan - New Zealand | FRX | HDX | FHD | - | - | Not Sampled | Not Sampled | |
| PX06 | Suva, Fiji - Auckland, New Zealand | HDX | | HDX | 214 | 3 | Well Sampled | Well Sampled | Better sampled second half |
| PX07 | Auckland - | LDX | | /// | - | - | Not Sampled | | |

| | | | | | | | | | |
|------|--|--------------------------|--|-----|------|----|--------------|--------------|---------------------------|
| | Seattle/Vancouver,B.C. | | | | | | | | |
| PX08 | Auckland, New Zealand - Panama | LDX | FRX | FRX | 1136 | 12 | Oversampled | 50% Sampled | |
| PX09 | Hawaii - Fiji/Auckland | FHD | FRX | FHD | - | - | Not Sampled | Not Sampled | |
| PX10 | Hawaii - Guam/Saipan | HDX | | HDX | 1101 | 22 | Well Sampled | Well Sampled | |
| PX11 | Flores Sea - Japan | FRX | | FRX | - | - | Not Sampled | Not Sampled | |
| PX12 | Tahiti - Noumea | LDX | | /// | 0 | 0 | | | |
| PX13 | New Zealand - California | LDX | FRX | FRX | 856 | 16 | Well Sampled | 50% Sampled | |
| PX14 | Alaska - Cape Horn | FRX | | /// | - | - | Not Sampled | | |
| PX15 | Ecuador - Japan | LDX | | /// | - | - | Not Sampled | | |
| PX16 | Peru - Hawaii | LDX | | /// | - | - | Not Sampled | | |
| PX17 | Tahiti/Maruroa - Panama | FRX | | FRX | - | - | Not Sampled | Not Sampled | |
| PX18 | Tahiti - California | FRX | | FRX | 0 | 0 | | | |
| PX20 | California - Panama | LDX | | /// | - | - | Not Sampled | | |
| PX21 | California - Chile | LDX | FRX | FRX | - | - | Not Sampled | Not Sampled | |
| PX22 | Panama - Valpariso | LDX | | /// | - | - | Not Sampled | | |
| PX23 | Panama - 115W | LDX | | /// | - | - | Not Sampled | | |
| PX24 | Panama - Indonesia | LDX | | /// | - | - | Not Sampled | | |
| PX25 | Coronel, Chile - Japan | LDX | | /// | - | - | Not Sampled | | |
| PX26 | TRANSPAC | TRANSPAC | | /// | 619 | 20 | Well Sampled | | |
| PX27 | Guayaquil - Galapagos | LDX | | /// | - | - | Not Sampled | | |
| PX28 | Tahiti - Sydney/Auckland | LDX | | /// | 14 | 2 | Undersampled | | |
| PX29 | Tahiti - Valparaiso | LDX | | /// | - | - | Not Sampled | | |
| PX30 | Brisbane/Sydney - Noumea -Fiji | HDX | | HDX | 470 | 4 | Well Sampled | Well Sampled | |
| PX31 | Noumea/Suva, Fiji - California | LDX | HDX FRX | FHD | 708 | 4 | Undersampled | 50% Sampled | Sampled in HDX |
| PX32 | Sydney - Auckland | LDX | | /// | 75 | 2 | Undersampled | | |
| PX33 | Hobart - Macquarie Island (is also IX30) | LDX | | /// | 0 | 0 | Not Sampled | | |
| PX34 | Sydney - Wellington | HDX | | HDX | 200 | 3 | Well Sampled | Well Sampled | |
| PX35 | Melbourne - Dunedin | LDX | HDX | HDX | - | - | Not Sampled | Not Sampled | |
| PX36 | Christchurch - McMurdo | FRX | HDX | HDX | - | - | Not Sampled | Not Sampled | |
| PX37 | Hawaii - California | HDX | | /// | 741 | 22 | Well Sampled | Well Sampled | |
| PX38 | Hawaii - Alaska | HDX | | HDX | 276 | 3 | Well Sampled | Well Sampled | Better sampled first half |

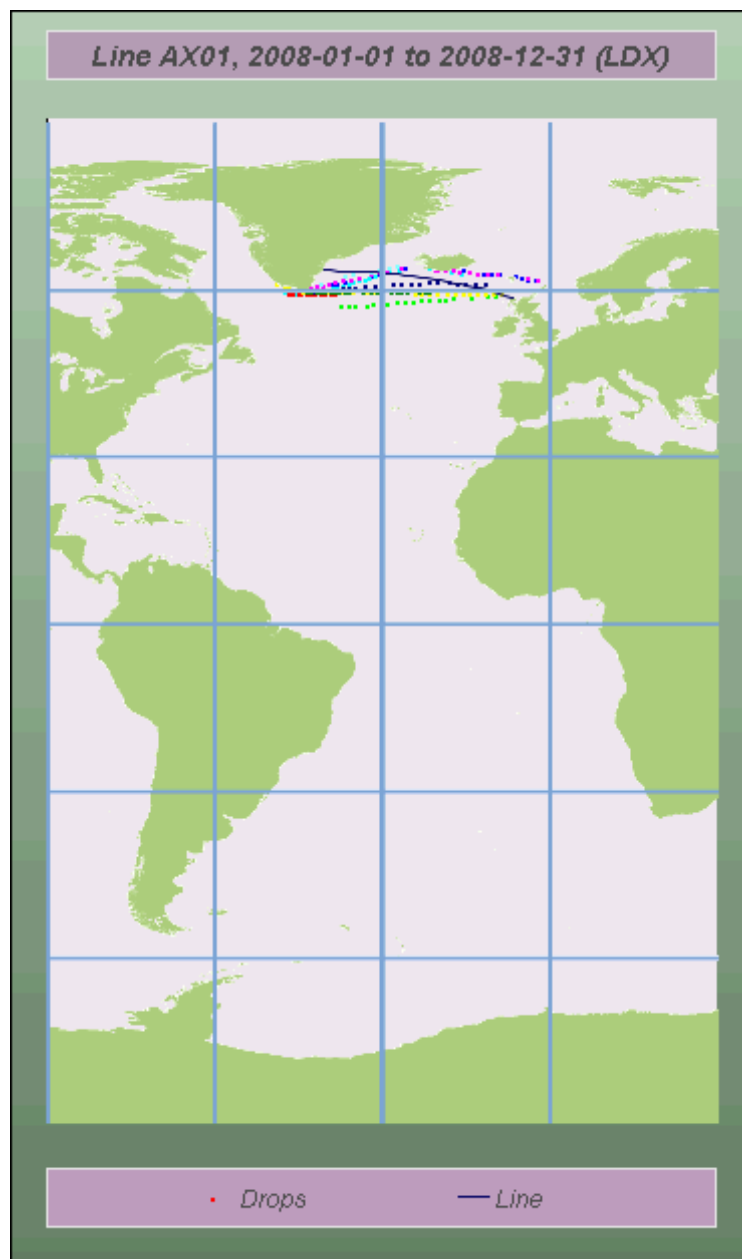
| | | | | | | | | | |
|------|-------------------------------------|---------------------|--|-----|-------|-----|--------------|--------------|------------------------------|
| PX39 | Hawaii - Seattle/Vancouver | LDX | | /// | 0 | 0 | Not Sampled | | |
| PX40 | Hawaii - Japan | HDX | | HDX | 114 | 1 | Undersampled | Undersampled | |
| PX41 | Hawaii - Taiwan/Hong Kong | LDX | | /// | - | - | Not Sampled | | |
| PX42 | Hawaii - New Guinea/Solomon Islands | LDX | | /// | 0 | 0 | Not Sampled | | |
| PX43 | Hawaii - Marshall Islands - Guam | LDX | | /// | - | - | Not Sampled | | |
| PX44 | Guam - HongKong/Taiwan | HDX | | HDX | 631 | 21 | Well Sampled | Well Sampled | |
| PX45 | (3N, 137E) - (34N,137E) | LDX | | /// | 167 | 6 | Undersampled | | Sampled in HDX (2007 & 2008) |
| PX46 | (3S, 165E) - (50N, 165E) | LDX | | /// | 101 | 2 | Undersampled | | |
| PX47 | Alaska - California | LDX | | /// | - | - | Not Sampled | | |
| PX49 | Japan/Taiwan - Singapore | LDX | | /// | - | - | Not Sampled | | |
| PX50 | Valparaiso - Auckland | HDX | | HDX | 273 | 2 | Undersampled | Undersampled | |
| PX51 | Hong Kong - Auckland | LDX | | /// | - | - | Not Sampled | | |
| PX52 | Japan - Fiji | LDX | | /// | - | - | Not Sampled | | |
| PX53 | Taiwan/Mindanao - Fiji | LDX | | /// | 0 | 0 | Not Sampled | | Well sampled first half |
| PX81 | Honolulu - Coronel (Chile) | HDX | | HDX | - | - | Not Sampled | Not Sampled | |
| PX83 | Melbourne - Auckland | LDX | | /// | 11 | 5 | Undersampled | | |
| XX01 | No specific line assigned | /// | | | 0 | 0 | | | |
| | | | | | 19351 | 460 | | | |

2. SOOP Indicators

AX01 Greenland - Iceland - Ireland/Scotland/Denmark (LDX)

Summary of drops by SOOP operator and ship:

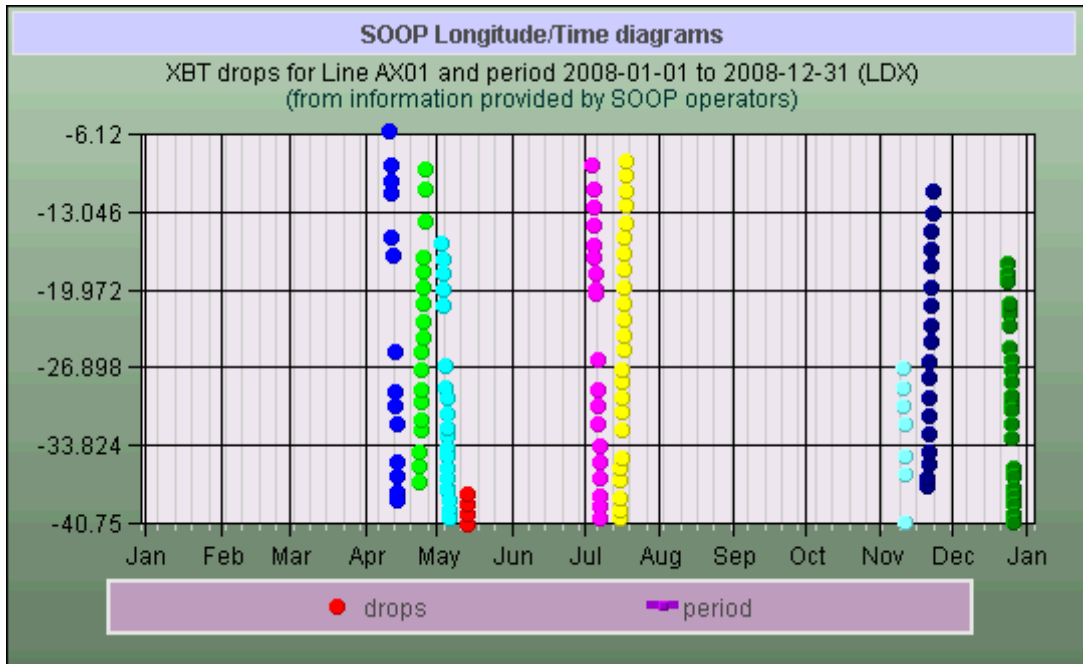
| Program | ShipName | CallSign | Drops | Transects |
|---------------|--------------|----------|-------|-----------|
| SOO IRD_BREST | NUKA ARCTICA | OXYH2 | 187 | 9 |
| Total | | | 187 | 9 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 84 | 100 |
| Boxes empty | 54 | 64 |
| Boxes filled (at least 1 drop): | 30 | 36 |
| Boxes OK (1 or 2 drops): | 2 | 2 |
| Boxes oversampled (>=3 drops): | 28 | 33 |

2D space-time diagram:



| AX01 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 8.25W | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 13.25W | 0 | 0 | 0 | 4 | 0 | 0 | 8 | 0 | 0 | 0 | 3 | 0 |
| 18.25W | 0 | 0 | 0 | 4 | 4 | 0 | 8 | 0 | 0 | 0 | 4 | 3 |
| 23.25W | 0 | 0 | 0 | 5 | 1 | 0 | 4 | 0 | 0 | 0 | 3 | 5 |
| 28.25W | 0 | 0 | 0 | 6 | 3 | 0 | 8 | 0 | 0 | 0 | 6 | 6 |
| 33.25W | 0 | 0 | 0 | 5 | 5 | 0 | 6 | 0 | 0 | 0 | 6 | 2 |
| 38.25W | 0 | 0 | 0 | 5 | 19 | 0 | 18 | 0 | 0 | 0 | 7 | 11 |

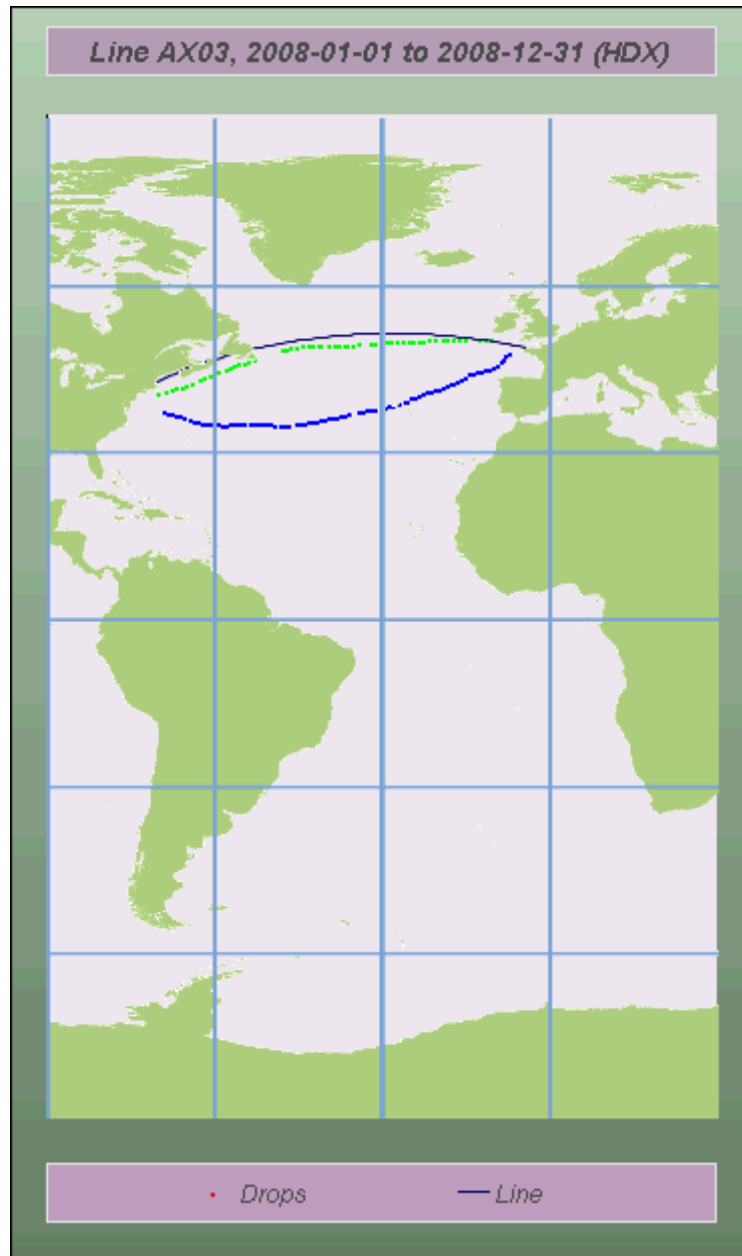
AX02 Newfoundland – Iceland (LDX)

Not Sampled

AX03 Europe - New York (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

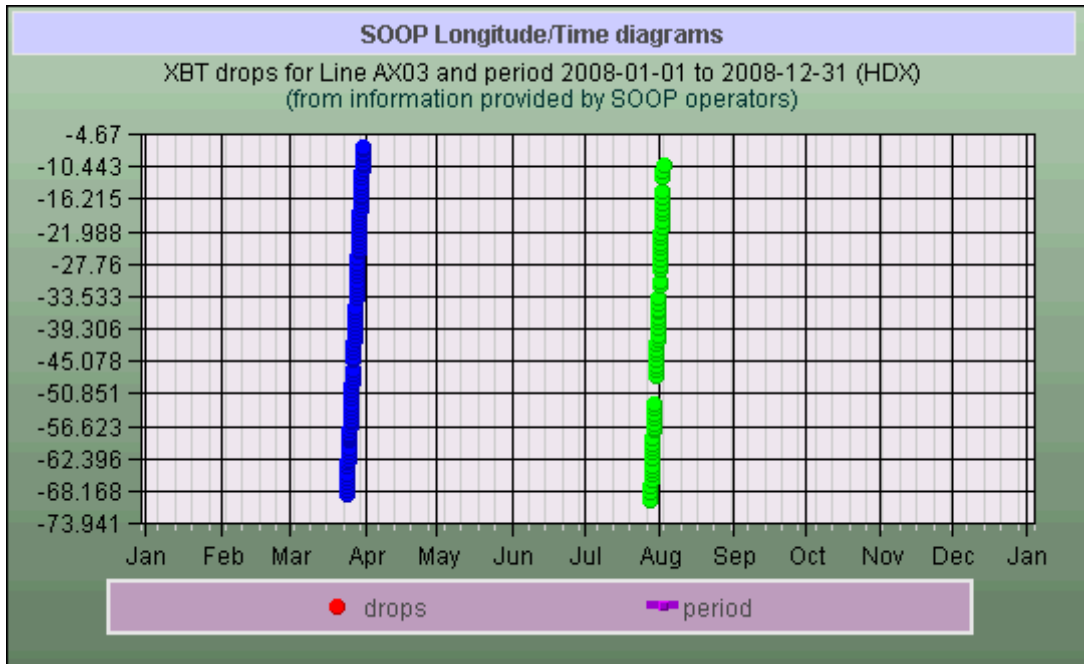
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------|----------|-------|-----------|
| SOO BSH | MV Rickmers Genoa | V7FS | 140 | 2 |
| Total | | | 140 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 432 | 100 |
| Boxes empty | 302 | 70 |
| Boxes filled (at least 1 drop): | 130 | 30 |
| Boxes OK (1 or 2 drops): | 129 | 30 |
| Boxes oversampled (>=3 drops): | 1 | 0 |

2D space-time diagram:



| AX03 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 4.99W | 0 | 0 | 0 | 0 |
| 5.63W | 0 | 0 | 0 | 0 |
| 6.28W | 0 | 0 | 0 | 0 |
| 6.93W | 3 | 0 | 0 | 0 |
| 7.59W | 2 | 0 | 0 | 0 |
| 8.24W | 1 | 0 | 0 | 0 |
| 8.91W | 1 | 0 | 0 | 0 |
| 9.57W | 1 | 0 | 0 | 0 |
| 10.24W | 1 | 0 | 0 | 0 |
| 10.9W | 1 | 0 | 1 | 0 |
| 11.58W | 1 | 0 | 1 | 0 |
| 12.25W | 2 | 0 | 0 | 0 |
| 12.93W | 1 | 0 | 1 | 0 |
| 13.61W | 1 | 0 | 0 | 0 |
| 14.29W | 1 | 0 | 0 | 0 |
| 14.98W | 1 | 0 | 1 | 0 |
| 15.66W | 2 | 0 | 0 | 0 |
| 16.35W | 0 | 0 | 1 | 0 |
| 17.05W | 2 | 0 | 1 | 0 |
| 17.74W | 0 | 0 | 0 | 0 |

| | | | | |
|--------|---|---|---|---|
| 18.43W | 1 | 0 | 1 | 0 |
| 19.13W | 1 | 0 | 1 | 0 |
| 19.83W | 2 | 0 | 0 | 0 |
| 20.53W | 1 | 0 | 1 | 0 |
| 21.23W | 1 | 0 | 1 | 0 |
| 21.93W | 1 | 0 | 0 | 0 |
| 22.64W | 1 | 0 | 1 | 0 |
| 23.34W | 1 | 0 | 1 | 0 |
| 24.05W | 1 | 0 | 0 | 0 |
| 24.76W | 0 | 0 | 1 | 0 |
| 25.46W | 1 | 0 | 1 | 0 |
| 26.17W | 1 | 0 | 1 | 0 |
| 26.88W | 1 | 0 | 1 | 0 |
| 27.59W | 1 | 0 | 0 | 0 |
| 28.29W | 0 | 0 | 1 | 0 |
| 29W | 1 | 0 | 1 | 0 |
| 29.71W | 1 | 0 | 0 | 0 |
| 30.42W | 1 | 0 | 0 | 0 |
| 31.13W | 1 | 0 | 1 | 0 |
| 31.83W | 0 | 0 | 0 | 0 |
| 32.54W | 0 | 0 | 1 | 0 |
| 33.25W | 1 | 0 | 0 | 0 |
| 33.95W | 1 | 0 | 0 | 0 |
| 34.65W | 1 | 0 | 1 | 0 |
| 35.36W | 1 | 0 | 1 | 0 |
| 36.06W | 1 | 0 | 0 | 0 |
| 36.76W | 1 | 0 | 2 | 0 |
| 37.46W | 1 | 0 | 0 | 0 |
| 38.15W | 0 | 0 | 1 | 0 |
| 38.85W | 1 | 0 | 1 | 0 |
| 39.54W | 1 | 0 | 1 | 0 |
| 40.23W | 1 | 0 | 0 | 0 |
| 40.92W | 1 | 0 | 1 | 0 |
| 41.61W | 1 | 0 | 1 | 0 |
| 42.29W | 1 | 0 | 1 | 0 |
| 42.97W | 1 | 0 | 0 | 0 |
| 43.65W | 0 | 0 | 1 | 0 |
| 44.33W | 0 | 0 | 1 | 0 |
| 45W | 1 | 0 | 0 | 0 |
| 45.67W | 1 | 0 | 1 | 0 |
| 46.34W | 1 | 0 | 1 | 0 |
| 47.01W | 1 | 0 | 0 | 0 |
| 47.67W | 0 | 0 | 1 | 0 |
| 48.33W | 1 | 0 | 1 | 0 |
| 48.99W | 1 | 0 | 0 | 0 |
| 49.64W | 1 | 0 | 0 | 0 |
| 50.29W | 1 | 0 | 0 | 0 |
| 50.94W | 0 | 0 | 0 | 0 |
| 51.58W | 1 | 0 | 0 | 0 |
| 52.22W | 1 | 0 | 0 | 0 |
| 52.86W | 1 | 0 | 0 | 0 |
| 53.49W | 1 | 0 | 1 | 0 |
| 54.12W | 0 | 0 | 0 | 0 |

| | | | | |
|--------|---|---|---|---|
| 54.74W | 2 | 0 | 1 | 0 |
| 55.36W | 1 | 0 | 1 | 0 |
| 55.98W | 1 | 0 | 0 | 0 |
| 56.6W | 1 | 0 | 1 | 0 |
| 57.21W | 1 | 0 | 1 | 0 |
| 57.81W | 1 | 0 | 0 | 0 |
| 58.42W | 1 | 0 | 2 | 0 |
| 59.01W | 1 | 0 | 0 | 0 |
| 59.61W | 1 | 0 | 0 | 0 |
| 60.2W | 0 | 0 | 1 | 0 |
| 60.79W | 1 | 0 | 1 | 0 |
| 61.37W | 1 | 0 | 0 | 0 |
| 61.95W | 1 | 0 | 1 | 0 |
| 62.52W | 0 | 0 | 1 | 0 |
| 63.09W | 1 | 0 | 0 | 0 |
| 63.66W | 0 | 0 | 1 | 0 |
| 64.23W | 1 | 0 | 0 | 0 |
| 64.78W | 1 | 0 | 1 | 0 |
| 65.34W | 0 | 0 | 0 | 0 |
| 65.89W | 1 | 0 | 1 | 0 |
| 66.44W | 1 | 0 | 1 | 0 |
| 66.98W | 1 | 0 | 0 | 0 |
| 67.52W | 1 | 0 | 1 | 0 |
| 68.06W | 0 | 0 | 1 | 0 |
| 68.59W | 0 | 0 | 0 | 0 |
| 69.12W | 0 | 0 | 1 | 0 |
| 69.64W | 0 | 0 | 0 | 0 |
| 70.16W | 0 | 0 | 1 | 0 |
| 70.68W | 0 | 0 | 0 | 0 |
| 71.19W | 0 | 0 | 0 | 0 |
| 71.7W | 0 | 0 | 0 | 0 |
| 72.2W | 0 | 0 | 0 | 0 |
| 72.7W | 0 | 0 | 0 | 0 |
| 73.2W | 0 | 0 | 0 | 0 |
| 73.7W | 0 | 0 | 0 | 0 |

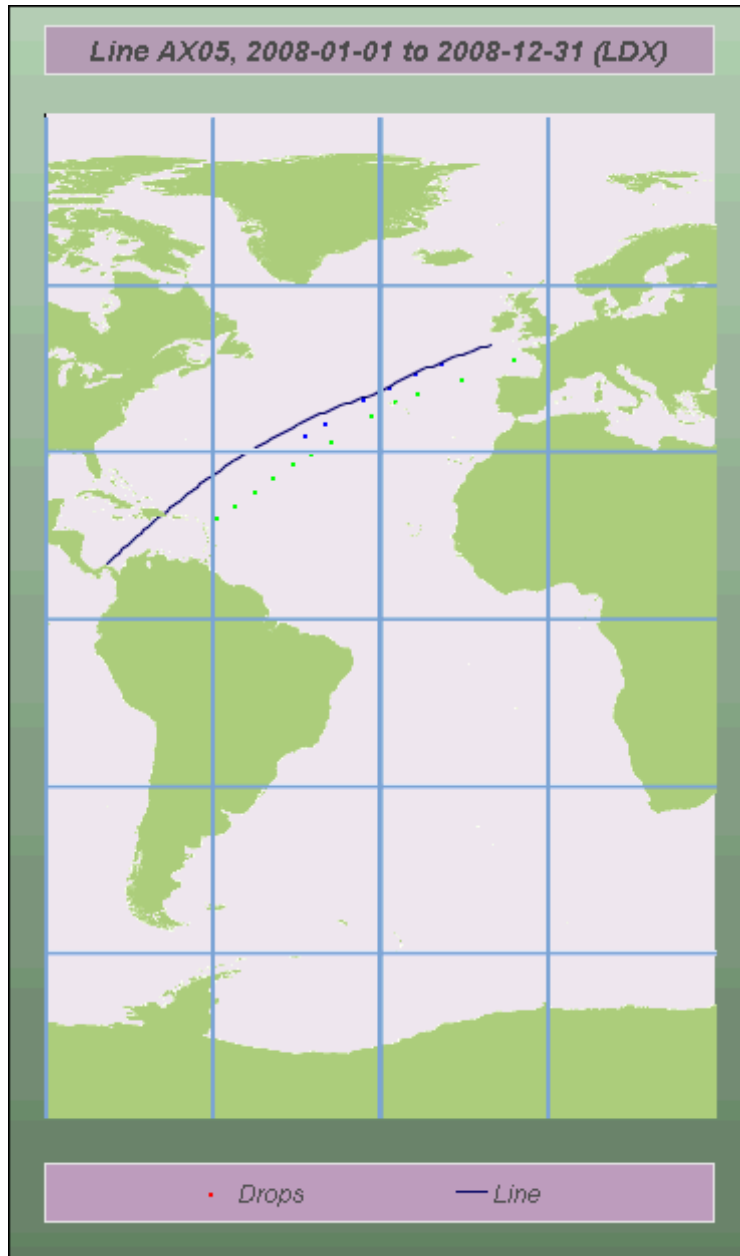
AX04 New York – Gibraltar (LDX)

Not Sampled

AX05 Europe - Panama Canal (LDX)

Summary of drops by SOOP operator and ship:

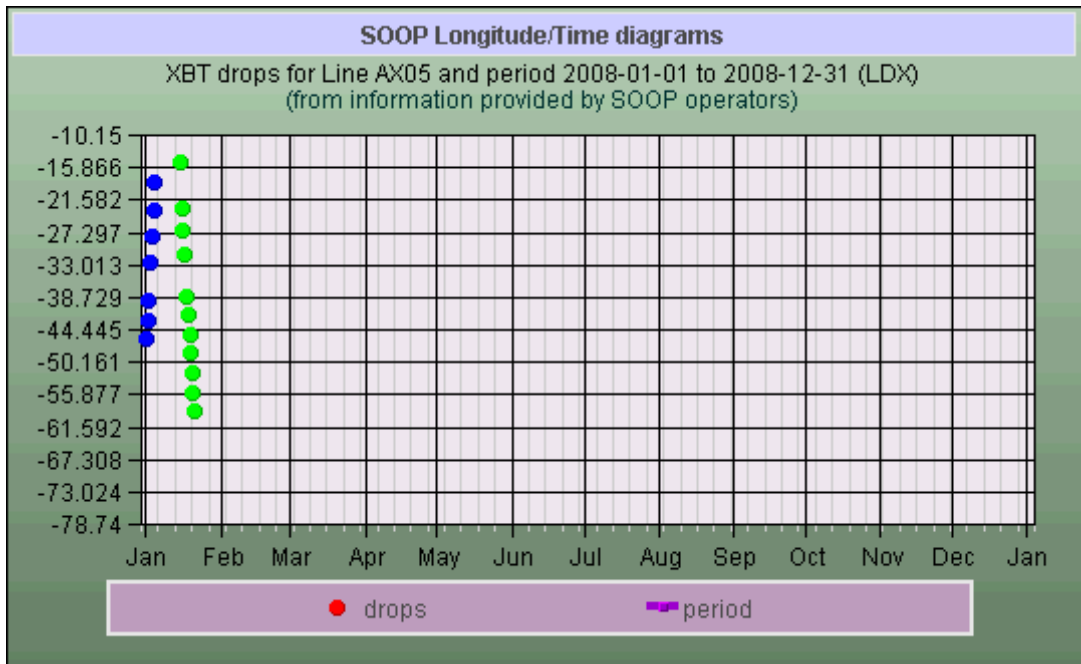
| Program | ShipName | CallSign | Drops | Transects |
|----------------|-------------------|-----------------|--------------|------------------|
| SOO IRD_BREST | FORT SAINTE MARIE | FQXJ | 20 | 2 |
| Total | | | 20 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 168 | 100 |
| Boxes empty | 158 | 94 |
| Boxes filled (at least 1 drop): | 10 | 6 |
| Boxes OK (1 or 2 drops): | 7 | 4 |
| Boxes oversampled (>=3 drops): | 3 | 2 |

2D space-time diagram:



| AX05 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 11.24W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16.24W | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.24W | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26.24W | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31.24W | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36.24W | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41.24W | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46.24W | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51.24W | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56.24W | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61.24W | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66.24W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71.24W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.24W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

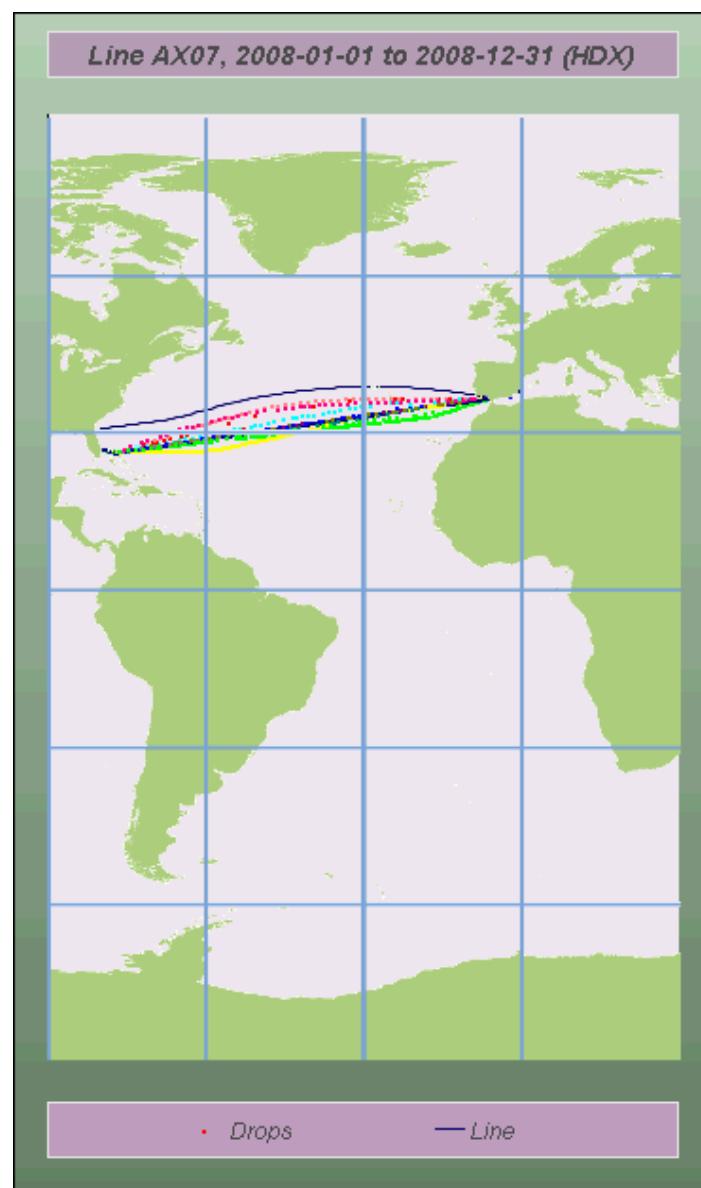
AX06 New York – Abidjan (LDX)

Not Sampled

AX07 Florida Straits – Gibraltar (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

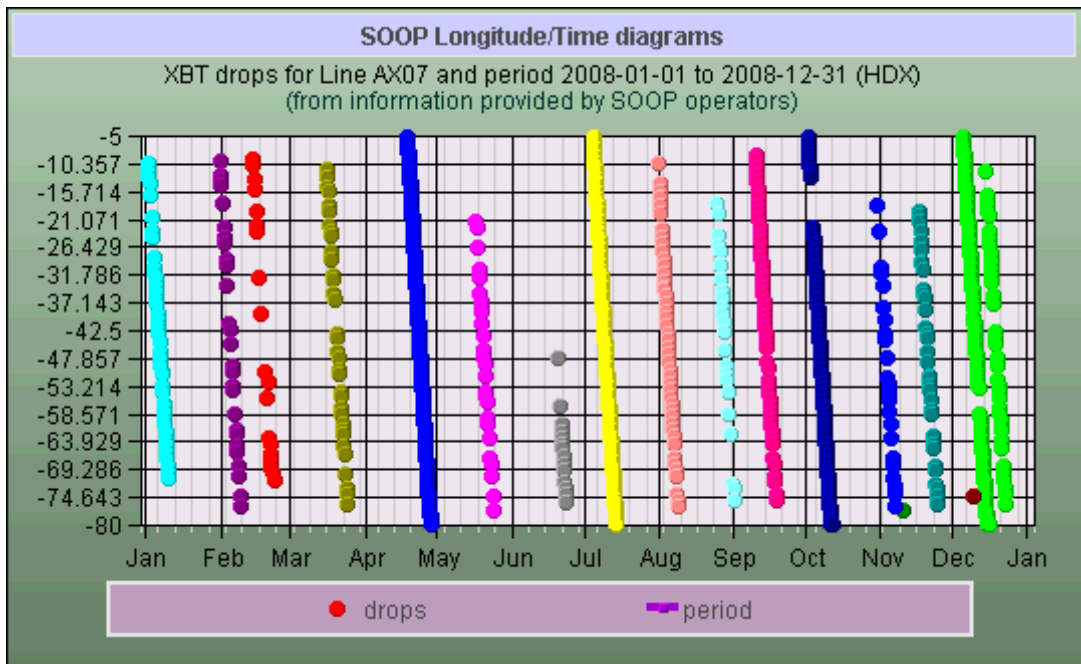
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SEAS | LYKES ACHIEVER | ZCDJ2 | 376 | 2 |
| SOO SEAS | LYKES CHALLENGER | ZCDJ3 | 518 | 9 |
| SOO SEAS | TMM SINALOA | ZCDJ6 | 230 | 7 |
| Total | | | 1124 | 18 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 548 | 100 |
| Boxes empty | 83 | 15 |
| Boxes filled (at least 1 drop): | 465 | 85 |
| Boxes OK (1 or 2 drops): | 316 | 58 |
| Boxes oversampled (>=3 drops): | 149 | 27 |

2D space-time diagram:



| AX07 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 5.26W | 0 | 3 | 3 | 6 |
| 5.8W | 0 | 6 | 8 | 14 |
| 6.33W | 0 | 4 | 6 | 12 |
| 6.86W | 0 | 3 | 3 | 5 |
| 7.4W | 0 | 1 | 1 | 2 |
| 7.94W | 0 | 2 | 2 | 2 |
| 8.47W | 0 | 1 | 2 | 2 |
| 9.02W | 1 | 2 | 2 | 3 |
| 9.56W | 1 | 1 | 1 | 2 |
| 10.1W | 1 | 1 | 2 | 2 |
| 10.65W | 1 | 1 | 2 | 2 |
| 11.2W | 3 | 1 | 1 | 4 |
| 11.75W | 1 | 2 | 2 | 2 |
| 12.3W | 2 | 1 | 1 | 2 |
| 12.85W | 3 | 1 | 1 | 2 |
| 13.41W | 1 | 1 | 2 | 1 |
| 13.96W | 2 | 2 | 2 | 1 |
| 14.52W | 0 | 2 | 2 | 1 |
| 15.08W | 2 | 1 | 2 | 3 |
| 15.64W | 1 | 1 | 1 | 1 |

| | | | | |
|--------|---|---|---|---|
| 16.2W | 0 | 1 | 2 | 1 |
| 16.76W | 0 | 1 | 3 | 2 |
| 17.33W | 2 | 1 | 1 | 1 |
| 17.89W | 0 | 1 | 3 | 2 |
| 18.46W | 0 | 1 | 1 | 3 |
| 19.03W | 2 | 1 | 4 | 3 |
| 19.6W | 0 | 1 | 2 | 2 |
| 20.17W | 1 | 2 | 1 | 1 |
| 20.74W | 0 | 1 | 2 | 2 |
| 21.31W | 1 | 3 | 1 | 2 |
| 21.89W | 2 | 1 | 2 | 3 |
| 22.46W | 2 | 1 | 1 | 4 |
| 23.04W | 2 | 1 | 2 | 2 |
| 23.62W | 1 | 1 | 2 | 2 |
| 24.19W | 1 | 1 | 2 | 3 |
| 24.77W | 1 | 1 | 3 | 2 |
| 25.35W | 0 | 1 | 3 | 2 |
| 25.93W | 0 | 2 | 1 | 4 |
| 26.51W | 1 | 1 | 3 | 3 |
| 27.09W | 0 | 1 | 2 | 2 |
| 27.67W | 3 | 1 | 3 | 2 |
| 28.25W | 0 | 0 | 2 | 5 |
| 28.84W | 0 | 1 | 1 | 2 |
| 29.42W | 2 | 1 | 3 | 4 |
| 30W | 0 | 2 | 2 | 4 |
| 30.59W | 0 | 1 | 1 | 4 |
| 31.17W | 2 | 1 | 2 | 1 |
| 31.76W | 1 | 2 | 2 | 2 |
| 32.34W | 2 | 1 | 3 | 3 |
| 32.93W | 0 | 1 | 2 | 3 |
| 33.51W | 2 | 1 | 1 | 4 |
| 34.1W | 0 | 1 | 4 | 1 |
| 34.68W | 2 | 2 | 3 | 3 |
| 35.26W | 0 | 1 | 2 | 4 |
| 35.85W | 0 | 1 | 3 | 2 |
| 36.43W | 2 | 2 | 1 | 2 |
| 37.02W | 1 | 1 | 2 | 1 |
| 37.6W | 0 | 3 | 3 | 3 |
| 38.19W | 0 | 1 | 3 | 2 |
| 38.77W | 1 | 1 | 2 | 1 |
| 39.35W | 1 | 0 | 2 | 2 |
| 39.93W | 0 | 1 | 2 | 3 |
| 40.52W | 1 | 1 | 3 | 3 |
| 41.1W | 1 | 3 | 2 | 2 |
| 41.68W | 1 | 1 | 2 | 3 |
| 42.26W | 2 | 1 | 3 | 2 |
| 42.84W | 1 | 2 | 2 | 3 |
| 43.42W | 1 | 2 | 3 | 4 |
| 44W | 1 | 1 | 1 | 3 |
| 44.57W | 0 | 1 | 1 | 3 |
| 45.15W | 2 | 1 | 3 | 3 |
| 45.73W | 0 | 1 | 1 | 3 |
| 46.3W | 0 | 2 | 4 | 2 |

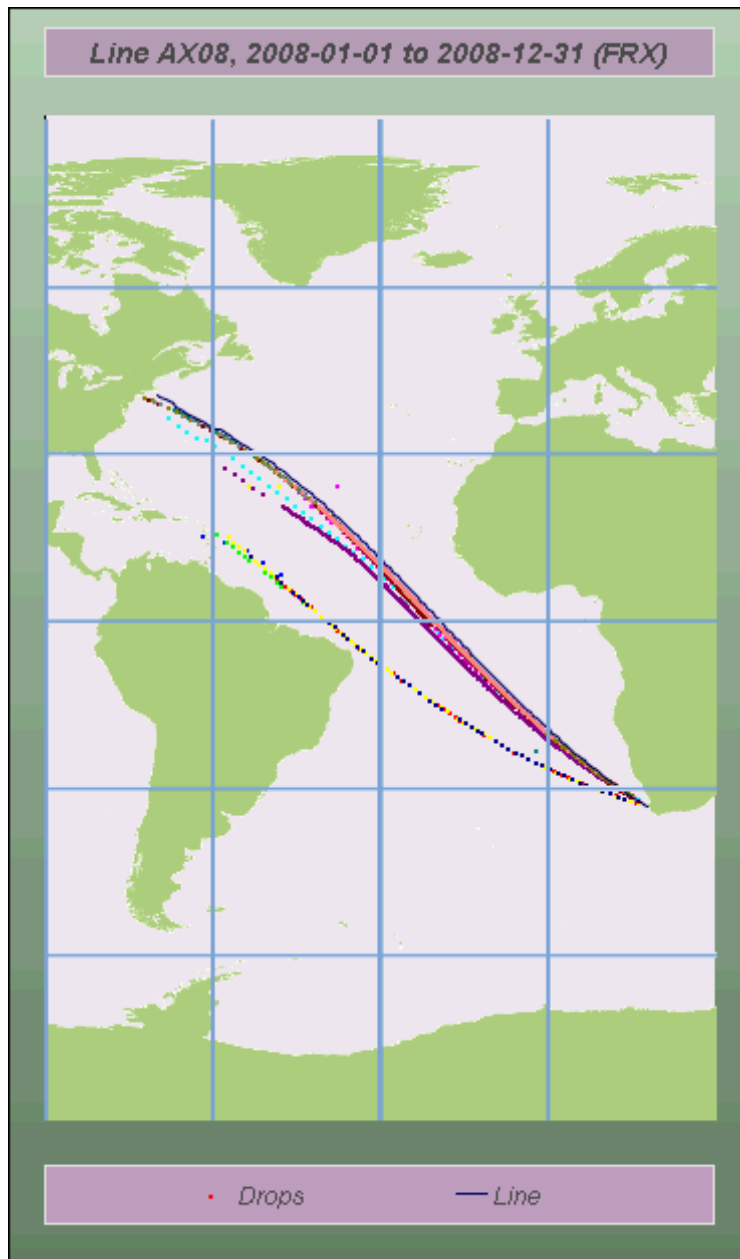
| | | | | |
|--------|---|---|---|----|
| 46.87W | 2 | 1 | 1 | 3 |
| 47.45W | 0 | 1 | 2 | 2 |
| 48.02W | 2 | 3 | 1 | 4 |
| 48.59W | 0 | 1 | 1 | 3 |
| 49.16W | 0 | 2 | 4 | 3 |
| 49.72W | 2 | 1 | 2 | 2 |
| 50.29W | 1 | 1 | 2 | 2 |
| 50.86W | 3 | 1 | 3 | 2 |
| 51.42W | 3 | 3 | 2 | 4 |
| 51.98W | 0 | 1 | 2 | 3 |
| 52.54W | 0 | 1 | 3 | 3 |
| 53.1W | 1 | 2 | 2 | 2 |
| 53.66W | 2 | 1 | 2 | 4 |
| 54.22W | 0 | 1 | 2 | 11 |
| 54.78W | 3 | 2 | 4 | 3 |
| 55.33W | 0 | 1 | 2 | 3 |
| 55.88W | 1 | 2 | 1 | 2 |
| 56.43W | 1 | 1 | 2 | 4 |
| 56.98W | 0 | 4 | 2 | 1 |
| 57.53W | 1 | 2 | 2 | 1 |
| 58.08W | 2 | 1 | 3 | 2 |
| 58.62W | 0 | 1 | 3 | 3 |
| 59.16W | 2 | 2 | 2 | 4 |
| 59.7W | 1 | 1 | 2 | 2 |
| 60.24W | 1 | 2 | 3 | 2 |
| 60.78W | 0 | 1 | 2 | 3 |
| 61.32W | 2 | 3 | 2 | 4 |
| 61.85W | 0 | 1 | 2 | 2 |
| 62.38W | 2 | 2 | 1 | 3 |
| 62.91W | 2 | 1 | 3 | 2 |
| 63.44W | 1 | 1 | 2 | 3 |
| 63.97W | 1 | 3 | 2 | 4 |
| 64.49W | 1 | 1 | 2 | 2 |
| 65.01W | 3 | 2 | 2 | 3 |
| 65.53W | 2 | 1 | 2 | 5 |
| 66.05W | 0 | 2 | 1 | 4 |
| 66.57W | 3 | 1 | 2 | 2 |
| 67.08W | 1 | 2 | 1 | 2 |
| 67.6W | 1 | 2 | 2 | 3 |
| 68.11W | 1 | 1 | 2 | 4 |
| 68.62W | 1 | 3 | 1 | 3 |
| 69.12W | 1 | 1 | 3 | 4 |
| 69.63W | 1 | 2 | 3 | 3 |
| 70.13W | 4 | 3 | 3 | 4 |
| 70.63W | 1 | 3 | 2 | 4 |
| 71.13W | 1 | 2 | 5 | 6 |
| 71.63W | 1 | 5 | 3 | 4 |
| 72.12W | 0 | 2 | 4 | 6 |
| 72.61W | 1 | 3 | 2 | 5 |
| 73.11W | 0 | 4 | 2 | 5 |
| 73.59W | 2 | 5 | 4 | 10 |
| 74.08W | 0 | 5 | 5 | 5 |
| 74.57W | 2 | 8 | 8 | 22 |

| | | | | |
|--------|---|----|----|----|
| 75.05W | 0 | 4 | 4 | 8 |
| 75.53W | 0 | 4 | 4 | 9 |
| 76.01W | 0 | 11 | 11 | 26 |
| 76.49W | 0 | 0 | 0 | 0 |
| 76.96W | 0 | 0 | 0 | 0 |
| 77.43W | 0 | 0 | 0 | 0 |
| 77.9W | 0 | 0 | 0 | 0 |
| 78.37W | 0 | 0 | 0 | 0 |
| 78.84W | 0 | 0 | 0 | 0 |
| 79.31W | 0 | 0 | 0 | 0 |
| 79.77W | 0 | 0 | 0 | 0 |

AX08 New York - Cape Town (FRX, Thermal review FHD)

Summary of drops by SOOP operator and ship:

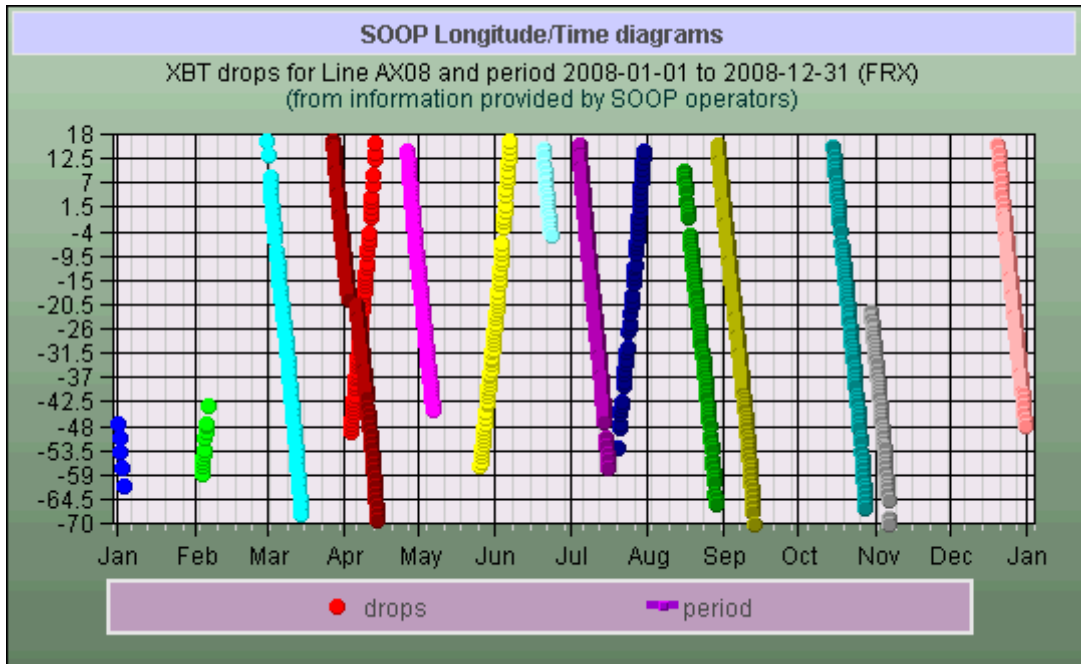
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------|----------|-------|-----------|
| SOO SEAS | SAFMARINE GONUBIE | DGVB | 268 | 1 |
| SOO SEAS | SAFMARINE NGAMI | ONFC | 802 | 4 |
| SOO SEAS | SAFMARINE ZAMBEZI | A8CE9 | 447 | 10 |
| Total | | | 1517 | 15 |



Summary for 2D space-time diagram:

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 324 | 100 |
| Boxes empty | 144 | 44 |
| Boxes filled (at least 1 drop): | 180 | 56 |
| Boxes OK (1 or 2 drops): | 23 | 7 |
| Boxes oversampled (>=3 drops): | 157 | 48 |

2D space-time diagram:



| AX 08 | 11/01/2008 | 20/02/2008 | 31/01/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 17.5E | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 2 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 |
| 12.5E | 0 | 1 | 0 | 0 | 13 | 6 | 0 | 3 | 3 | 16 | 3 | 21 | 0 | 0 | 3 | 0 | 0 | 3 |
| 7.5E | 0 | 0 | 0 | 2 | 16 | 6 | 0 | 4 | 5 | 15 | 4 | 21 | 3 | 0 | 3 | 0 | 0 | 3 |
| 2.5E | 0 | 0 | 0 | 4 | 21 | 9 | 0 | 3 | 4 | 16 | 4 | 2 | 17 | 0 | 5 | 0 | 0 | 3 |
| 2.5W | 0 | 0 | 0 | 3 | 21 | 5 | 0 | 3 | 6 | 18 | 4 | 3 | 22 | 0 | 3 | 0 | 0 | 17 |
| 7.5W | 0 | 0 | 0 | 2 | 22 | 6 | 0 | 3 | 0 | 20 | 4 | 5 | 20 | 0 | 4 | 0 | 0 | 19 |
| 12.5W | 0 | 0 | 0 | 4 | 29 | 5 | 0 | 5 | 0 | 25 | 6 | 6 | 26 | 0 | 5 | 0 | 0 | 25 |
| 17.5W | 0 | 0 | 0 | 4 | 34 | 0 | 5 | 4 | 0 | 27 | 3 | 4 | 28 | 0 | 5 | 0 | 0 | 28 |
| 22.5W | 0 | 0 | 0 | 4 | 27 | 0 | 5 | 5 | 0 | 29 | 3 | 5 | 27 | 0 | 9 | 0 | 0 | 28 |
| 27.5W | 0 | 0 | 0 | 3 | 33 | 0 | 6 | 5 | 0 | 27 | 2 | 5 | 31 | 0 | 8 | 3 | 0 | 29 |
| 32.5W | 0 | 0 | 0 | 4 | 27 | 0 | 6 | 5 | 0 | 26 | 4 | 3 | 20 | 0 | 5 | 5 | 0 | 22 |
| 37.5W | 0 | 0 | 0 | 3 | 26 | 0 | 5 | 7 | 0 | 18 | 4 | 6 | 20 | 0 | 4 | 5 | 0 | 19 |
| 42.5W | 0 | 0 | 1 | 3 | 13 | 0 | 5 | 4 | 0 | 18 | 1 | 4 | 7 | 0 | 4 | 4 | 0 | 6 |

| | | | | | | | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|
| 47. 5W | 1 | 0 | 3 | 4 | 7 | 2 | 0 | 5 | 0 | 12 | 0 | 3 | 6 | 0 | 4 | 5 | 0 | 0 |
| 52. 5W | 2 | 0 | 3 | 3 | 0 | 3 | 0 | 5 | 0 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 0 |
| 57. 5W | 1 | 0 | 4 | 3 | 0 | 4 | 0 | 3 | 0 | 2 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 0 |
| 62. 5W | 1 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 4 | 3 | 0 | 0 |
| 67. 5W | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 2 | 3 | 0 | 0 |

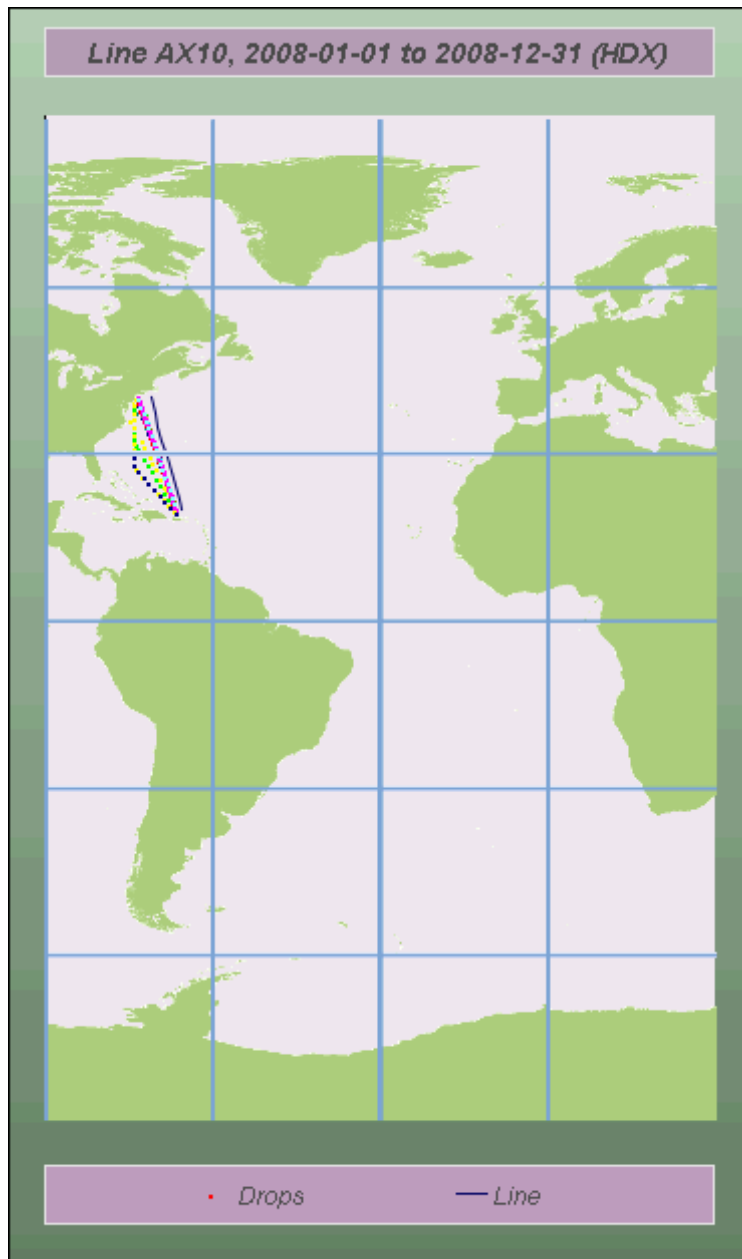
AX09 Trinidad/Caracas – Gibraltar (LDX)

Not Sampled

AX10 New York - Puerto Rico (HDX, Thermal review FHD)

Summary of drops by SOOP operator and ship:

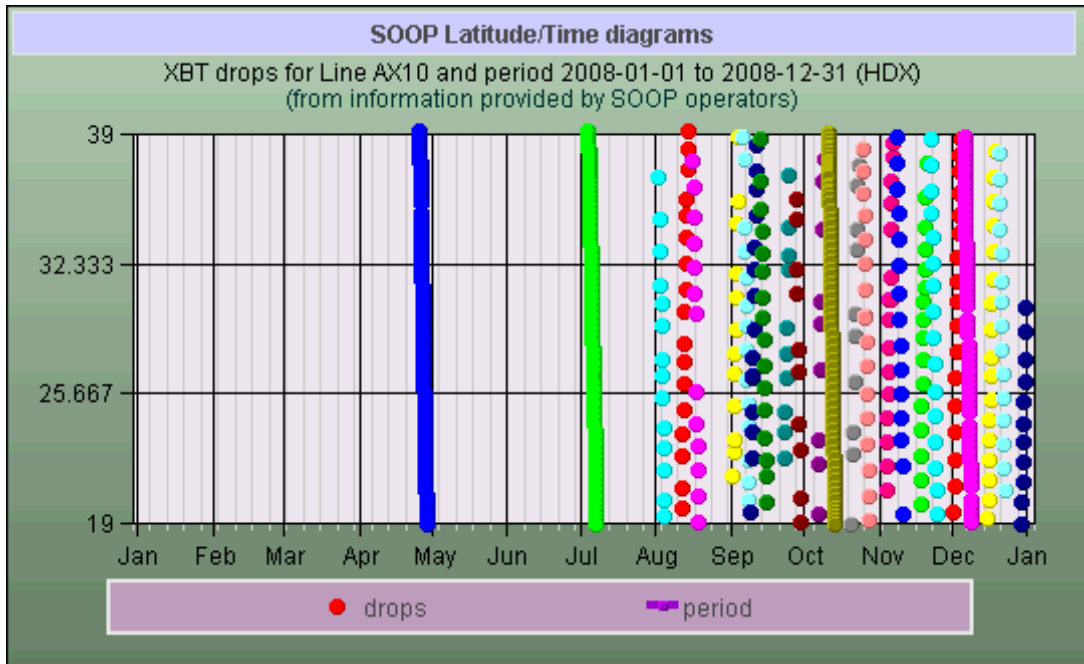
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|-------|-----------|
| SOO SEAS | SEA-LAND NAVIGATOR | WPGK | 669 | 24 |
| Total | | | 669 | 24 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 184 | 100 |
| Boxes empty | 46 | 25 |
| Boxes filled (at least 1 drop): | 138 | 75 |
| Boxes OK (1 or 2 drops): | 44 | 24 |
| Boxes oversampled (>=3 drops): | 94 | 51 |

2D space-time diagram:



| AX10 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 38.78N | 0 | 5 | 10 | 9 |
| 38.35N | 0 | 6 | 8 | 6 |
| 37.92N | 0 | 5 | 8 | 10 |
| 37.49N | 0 | 6 | 9 | 13 |
| 37.06N | 0 | 5 | 7 | 11 |
| 36.62N | 0 | 6 | 7 | 9 |
| 36.19N | 0 | 6 | 5 | 11 |
| 35.76N | 0 | 4 | 4 | 6 |
| 35.33N | 0 | 1 | 4 | 4 |
| 34.89N | 0 | 2 | 6 | 7 |
| 34.46N | 0 | 1 | 3 | 5 |
| 34.03N | 0 | 1 | 4 | 6 |
| 33.59N | 0 | 1 | 3 | 6 |
| 33.16N | 0 | 2 | 4 | 5 |
| 32.73N | 0 | 1 | 3 | 5 |
| 32.29N | 0 | 1 | 7 | 8 |
| 31.86N | 0 | 1 | 3 | 6 |
| 31.42N | 0 | 2 | 3 | 6 |
| 30.99N | 0 | 1 | 6 | 5 |
| 30.55N | 0 | 1 | 3 | 9 |

| | | | | |
|--------|---|---|----|----|
| 30.12N | 0 | 2 | 3 | 4 |
| 29.69N | 0 | 1 | 4 | 9 |
| 29.25N | 0 | 1 | 6 | 5 |
| 28.82N | 0 | 1 | 1 | 5 |
| 28.38N | 0 | 2 | 4 | 5 |
| 27.94N | 0 | 1 | 5 | 5 |
| 27.51N | 0 | 2 | 5 | 2 |
| 27.07N | 0 | 1 | 5 | 10 |
| 26.64N | 0 | 1 | 10 | 5 |
| 26.2N | 0 | 2 | 5 | 3 |
| 25.77N | 0 | 1 | 2 | 9 |
| 25.33N | 0 | 2 | 5 | 5 |
| 24.89N | 0 | 2 | 5 | 4 |
| 24.46N | 0 | 1 | 1 | 8 |
| 24.02N | 0 | 1 | 5 | 2 |
| 23.59N | 0 | 2 | 7 | 5 |
| 23.15N | 0 | 1 | 2 | 10 |
| 22.71N | 0 | 1 | 5 | 4 |
| 22.28N | 0 | 1 | 6 | 5 |
| 21.84N | 0 | 2 | 4 | 8 |
| 21.4N | 0 | 1 | 2 | 5 |
| 20.97N | 0 | 1 | 3 | 4 |
| 20.53N | 0 | 2 | 3 | 6 |
| 20.09N | 0 | 1 | 5 | 4 |
| 19.66N | 0 | 2 | 6 | 9 |
| 19.22N | 0 | 6 | 8 | 13 |

AX11 Europe - Brazil (FRX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------|----------|-------|-----------|
| SOO BSH | MONTE OLIVIA | DAJC | 412 | 8 |
| Total | | | 412 | 8 |



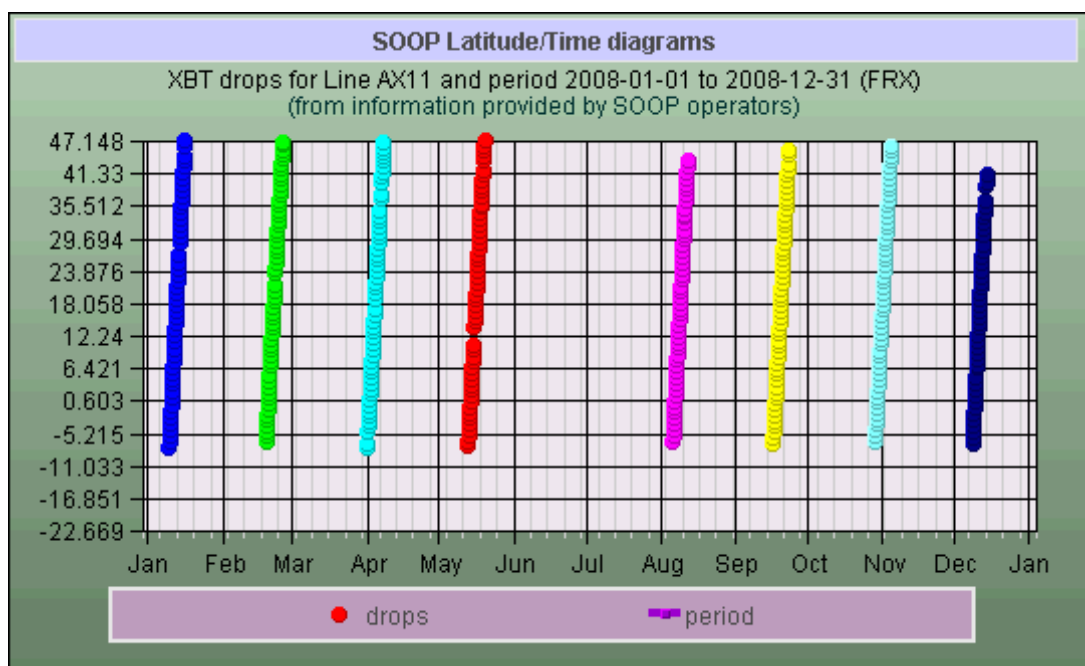
Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 936 | 100 |
| Boxes empty | 622 | 66 |
| Boxes filled (at least 1 drop): | 314 | 34 |
| Boxes OK (1 or 2 drops): | 314 | 34 |
| Boxes oversampled (>=3 drops): | 0 | 0 |

| AX11 | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 46.8N | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 45.45N | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 44.11N | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 42.76N | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 |
| 41.41N | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 |
| 40.06N | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 1 |
| 38.71N | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 37.36N | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 |
| 36.01N | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 |
| 34.66N | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 |
| 33.31N | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 1 |
| 31.96N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 |
| 30.62N | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 29.27N | 2 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 0 |
| 27.92N | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| 26.57N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 25.22N | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 1 |
| 23.87N | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 22.52N | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 1 |
| 21.17N | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 2 |
| 19.82N | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 18.47N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 17.13N | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 2 |
| 15.78N | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |

| | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.43 N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 13.08 N | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 1 |
| 11.73 N | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 10.38 N | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 9.03N | 2 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 |
| 7.68N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 6.33N | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 |
| 4.99N | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 0 |
| 3.64N | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 2.29N | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 |
| 0.94N | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 |
| 0.41S | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 |
| 1.76S | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 |
| 3.11S | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 0 |
| 4.46S | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 |
| 5.81S | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 |
| 7.16S | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 8.5S | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9.85S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.2S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.55 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.9S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15.25 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16.6S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.95 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19.3S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20.65 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.99 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

2D space-time diagram:



AX12 Europe - Antarctica (LDX)

Not Sampled

AX13 Rio de Janeiro - Monrovia (Liberia) (LDX)

Not Sampled

AX14 Rio de Janeiro - Lagos (Nigeria) (LDX)

Not Sampled

AX15 Europe - Cape of Good Hope (FRX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

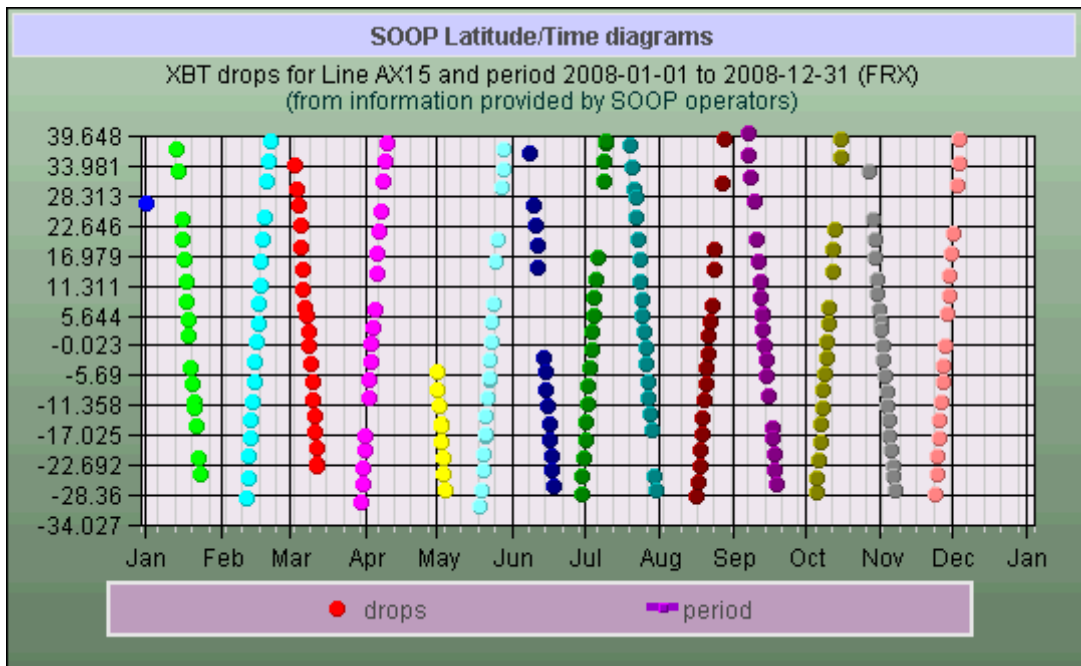
| Program | ShipName | CallSign | Drops | Transects |
|---------------|----------|----------|-------|-----------|
| SOO IRD_BREST | NOKWANDA | MGJS8 | 287 | 15 |
| Total | | | 287 | 15 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 990 | 100 |
| Boxes empty | 757 | 76 |
| Boxes filled (at least 1 drop): | 233 | 24 |
| Boxes OK (1 or 2 drops): | 228 | 23 |
| Boxes oversampled (>=3 drops): | 5 | 1 |

2D space-time diagram:



| AX 15 | 11/01/08 | 31/01/08 | 20/02/08 | 12/03/08 | 01/04/08 | 21/04/08 | 11/05/08 | 01/06/08 | 21/06/08 | 11/07/08 | 01/08/08 | 21/08/08 | 10/09/08 | 30/09/08 | 21/10/08 | 10/11/08 | 30/11/08 | 21/12/08 |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 39.49 N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 |
| 38.14 N | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 36.79 N | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35.45 N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 34.1 N | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 32.75 N | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 31.4 N | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 30.05 N | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 28.7 N | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 N | | | | | | | | | | | | | | | | | | |
| 26 N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24. 65 N | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. 3N | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 21. 96 N | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 20. 61 N | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 19. 26 N | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 17. 91 N | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 16. 56 N | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 15. 21 N | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 13. 86 N | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 12. 51 N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 11. 16 N | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9.8 1N | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 8.4 7N | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 7.1 2N | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 |
| 5.7 7N | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| 4.4 2N | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| 3.0 7N | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 1.7 2N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.3 7N | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 |
| 0.9 8S | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 2.3 3S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 3.6 7S | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 |
| 5.0 2S | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 6.3 7S | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 7.7 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |

| | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2S | | | | | | | | | | | | | | | | | | |
| 9.0 7S | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 10. 42 S | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 |
| 11. 77 S | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 13. 12 S | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. 47 S | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 15. 82 S | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 17. 16 S | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 |
| 18. 51 S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 19. 86 S | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 21. 21 S | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 22. 56 S | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 23. 91 S | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 25. 26 S | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 |
| 26. 61 S | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 27. 96 S | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| 29. 31 S | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30. 65 S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33. 35 S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

AX16 Rio de Janeiro - Walvis Bay (LDX)

Not Sampled

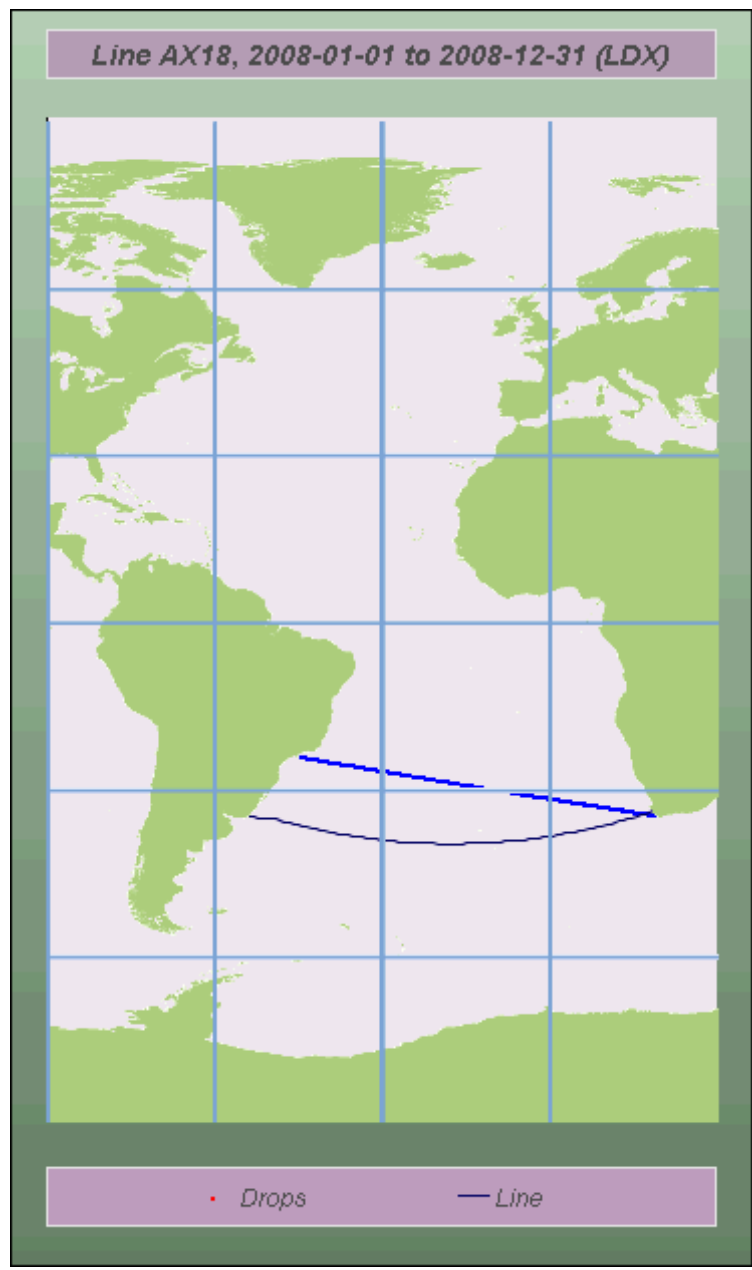
AX17 Rio de Janeiro - Cape of Good Hope (LDX)

Not Sampled

AX18 Buenos Aires - Cape of Good hope (LDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

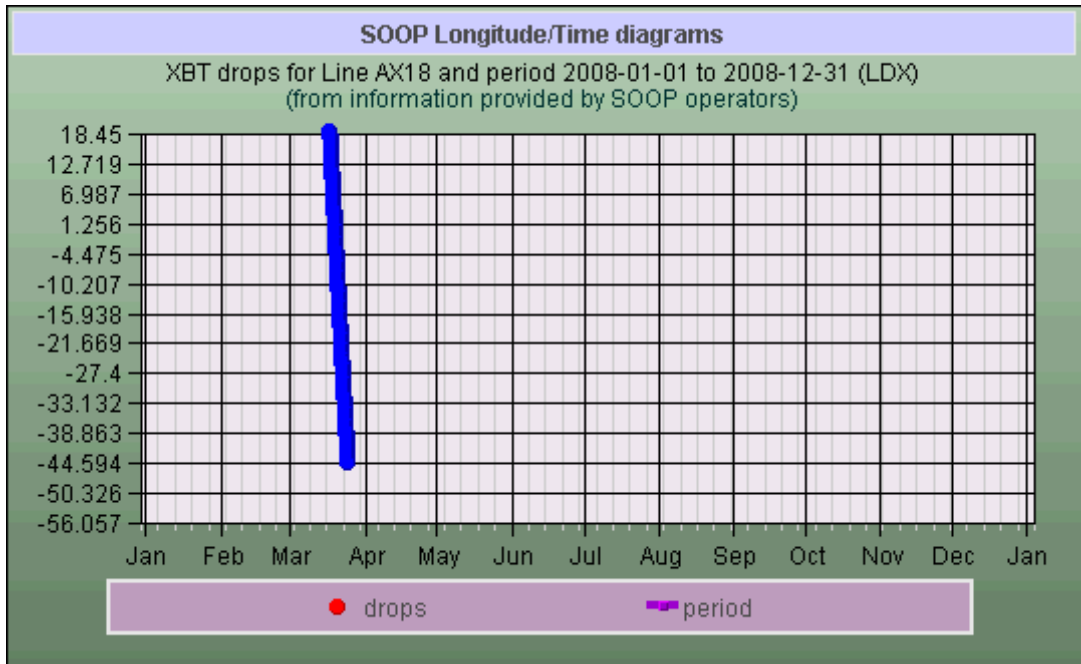
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------------|----------|-------|-----------|
| SOO SEAS | CMA CGM SANTOS | C4RM2 | 171 | 1 |
| Total | | | 171 | 1 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 180 | 100 |
| Boxes empty | 167 | 93 |
| Boxes filled (at least 1 drop): | 13 | 7 |
| Boxes OK (1 or 2 drops): | 0 | 0 |
| Boxes oversampled (>=3 drops): | 13 | 7 |

2D space-time diagram:



| AX18 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 16.4 4E | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.4 4E | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6.44 E | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1.44 E | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3.56 W | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8.56 W | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.5 6W | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18.5 6W | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23.5 6W | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28.5 6W | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.5 6W | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | |
|------------|---|---|----|---|---|---|---|---|---|---|---|---|
| 38.5 6W | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43.5 6W | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48.5 6W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53.5 6W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

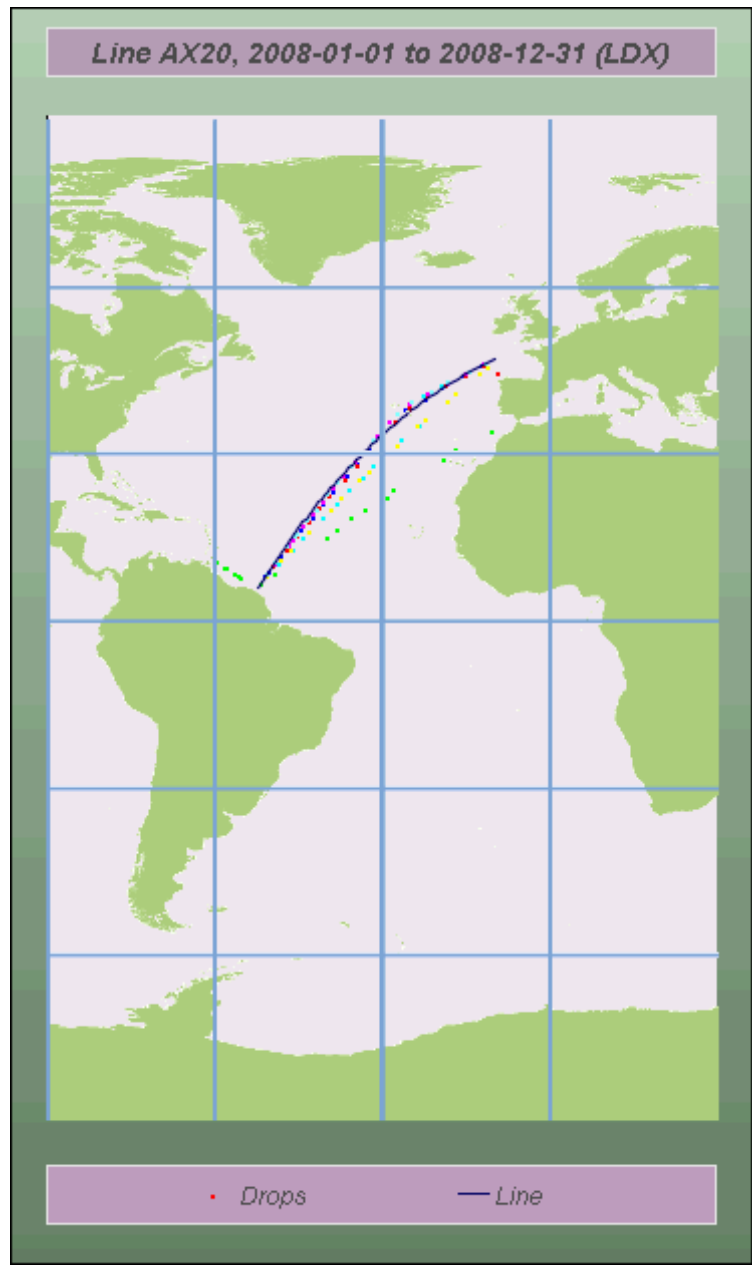
AX19 Cape Horn - Cape of Good Hope (LDX)

Not Sampled

AX20 Europe - French Guyana (LDX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

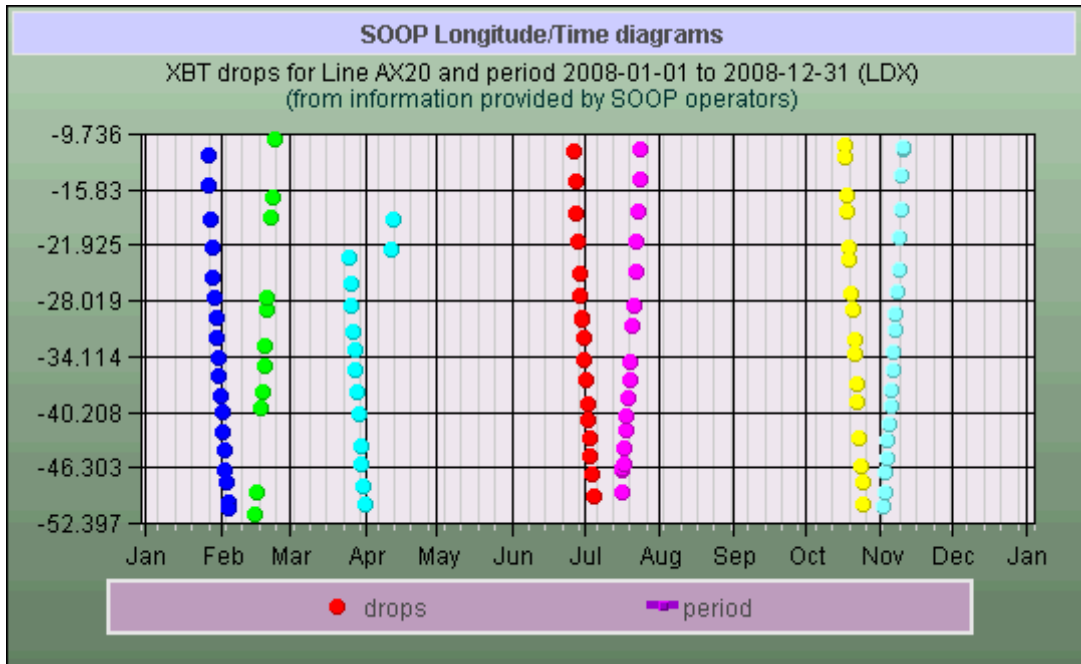
| Program | ShipName | CallSign | Drops | Transects |
|---------------|------------|----------|-------|-----------|
| SOO IRD_BREST | MN COLIBRI | FNHO | 132 | 7 |
| Total | | | 132 | 7 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 108 | 100 |
| Boxes empty | 53 | 49 |
| Boxes filled (at least 1 drop): | 55 | 51 |
| Boxes OK (1 or 2 drops): | 39 | 36 |
| Boxes oversampled (>=3 drops): | 16 | 15 |

2D space-time diagram:



| AX20 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 9.9 W | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 2 | 0 |
| 14.9 W | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| 19.9 W | 2 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 3 | 3 | 0 |
| 24.9 W | 1 | 0 | 3 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 2 | 0 |
| 29.9 W | 3 | 2 | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 2 | 2 | 0 |
| 34.9 W | 1 | 3 | 3 | 0 | 0 | 1 | 3 | 0 | 0 | 4 | 2 | 0 |
| 39.9 W | 0 | 5 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 4 | 0 |
| 44.9 W | 0 | 2 | 2 | 0 | 0 | 0 | 8 | 0 | 0 | 2 | 4 | 0 |
| 49.9 W | 0 | 8 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 0 |

AX20b Cape Verde - Belem (Brazil) (LDX)

Not Sampled

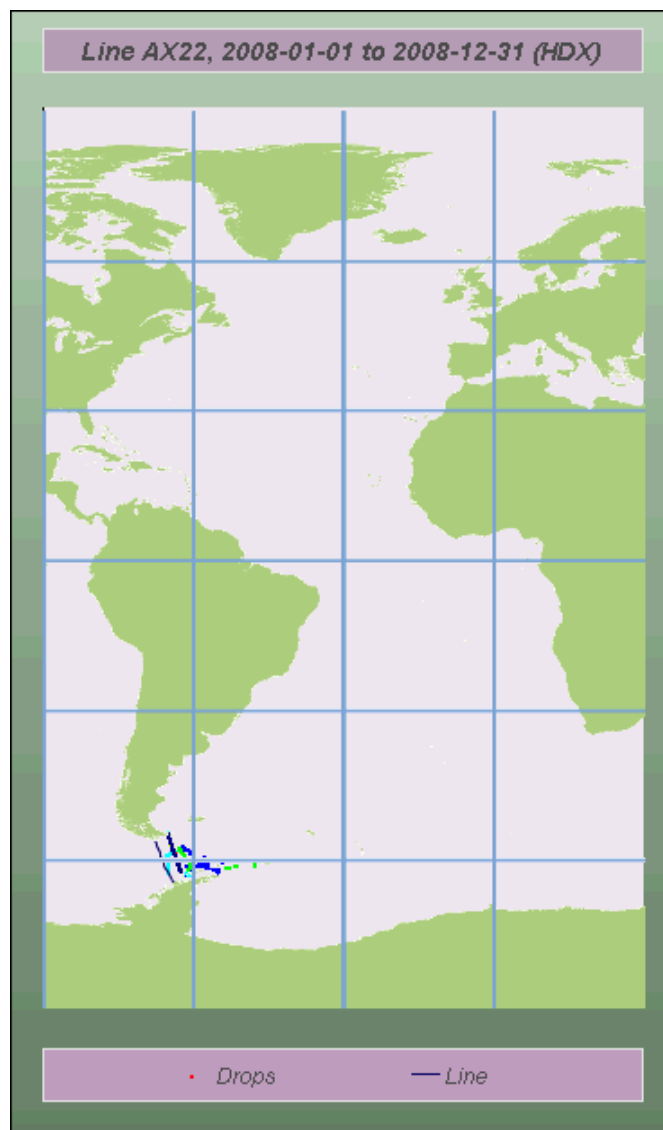
AX21 Rio de Janeiro - Pointe Noire/Luanda (LDX)

Not Sampled

AX22 Drake Passage (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

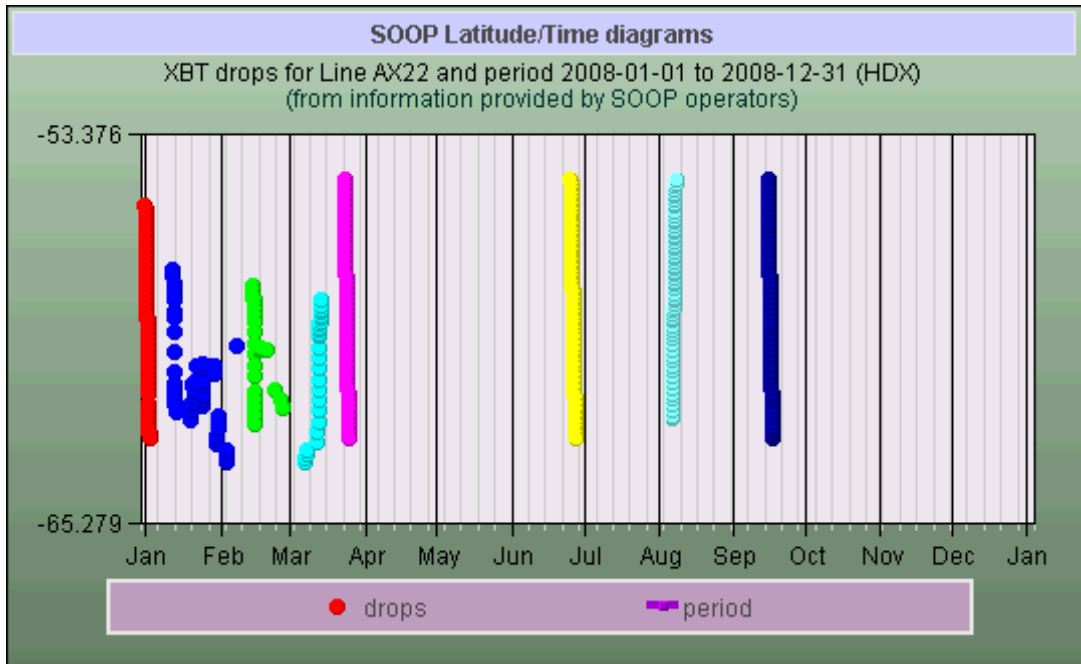
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SEAS/SIO | L.M. GOULD | WCX7445 | 358 | 5 |
| SOO SEAS/SIO | YOURJMORGEOLGIYA | UBSZ | 134 | 3 |
| Total | | | 492 | 8 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 108 | 100 |
| Boxes empty | 51 | 47 |
| Boxes filled (at least 1 drop): | 57 | 53 |
| Boxes OK (1 or 2 drops): | 2 | 2 |
| Boxes oversampled (>=3 drops): | 55 | 51 |

2D space-time diagram:



| AX22 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 53.6S | 0 | 0 | 0 | 0 |
| 54.04S | 0 | 0 | 0 | 0 |
| 54.48S | 0 | 0 | 0 | 0 |
| 54.93S | 3 | 3 | 4 | 0 |
| 55.37S | 4 | 4 | 9 | 0 |
| 55.81S | 8 | 6 | 9 | 0 |
| 56.25S | 9 | 5 | 9 | 0 |
| 56.7S | 11 | 5 | 10 | 0 |
| 57.14S | 12 | 5 | 9 | 0 |
| 57.58S | 11 | 8 | 11 | 0 |
| 58.02S | 13 | 4 | 10 | 0 |
| 58.46S | 19 | 5 | 11 | 0 |
| 58.91S | 23 | 4 | 7 | 0 |
| 59.35S | 21 | 6 | 9 | 0 |
| 59.79S | 13 | 3 | 6 | 0 |
| 60.23S | 24 | 3 | 7 | 0 |
| 60.67S | 31 | 3 | 4 | 0 |
| 61.11S | 19 | 3 | 6 | 0 |
| 61.55S | 17 | 3 | 6 | 0 |
| 61.99S | 11 | 3 | 6 | 0 |
| 62.43S | 12 | 5 | 5 | 0 |
| 62.87S | 11 | 1 | 1 | 0 |

| | | | | |
|--------|---|---|---|---|
| 63.31S | 0 | 0 | 0 | 0 |
| 63.75S | 0 | 0 | 0 | 0 |
| 64.18S | 0 | 0 | 0 | 0 |
| 64.62S | 0 | 0 | 0 | 0 |
| 65.06S | 0 | 0 | 0 | 0 |

AX23 Gulf of Mexico (LDX)

Not Sampled

AX25 Cape of Good Hope – Antarctica (LDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

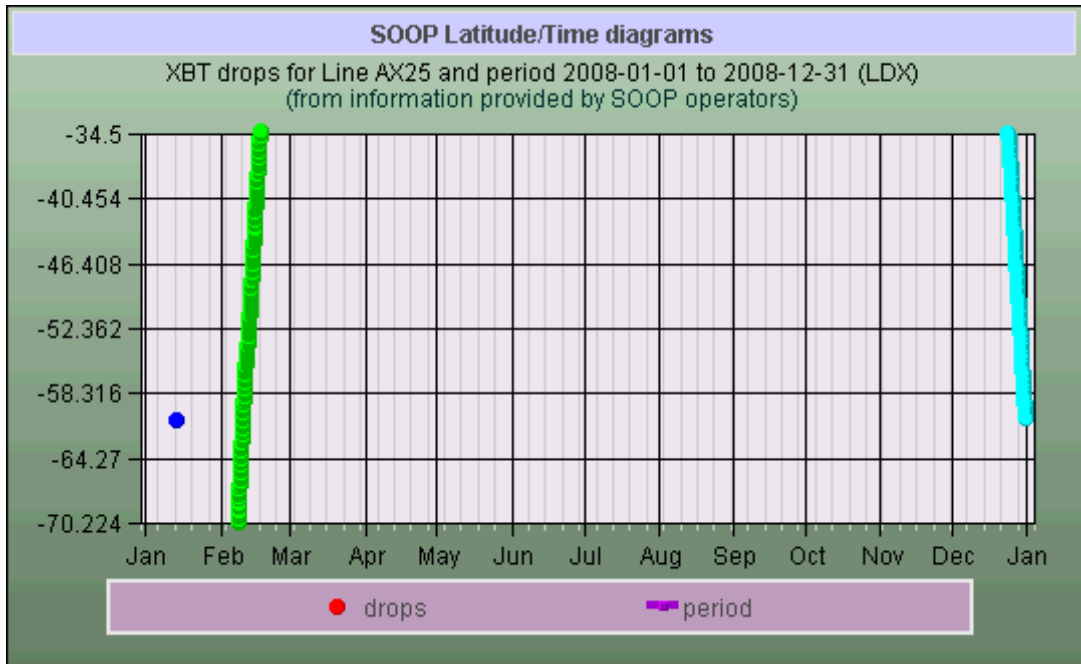
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------|----------|-------|-----------|
| SOO SEAS | S.A. AGULHAS | ZSAF | 321 | 3 |
| Total | | | 321 | 3 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 312 | 100 |
| Boxes empty | 267 | 86 |
| Boxes filled (at least 1 drop): | 45 | 14 |
| Boxes OK (1 or 2 drops): | 1 | 0 |
| Boxes oversampled (>=3 drops): | 44 | 14 |

2D space-time diagram:



| AX2 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 35.8 3S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 37.1 7S | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 38.5 2S | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 39.8 7S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 41.2 2S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 42.5 7S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 43.9 2S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 45.2 7S | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 46.6 2S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 47.9 7S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 49.3 1S | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 50.6 6S | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 52.0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |

| | | | | | | | | | | | | |
|------------|---|----|---|---|---|---|---|---|---|---|---|---|
| 1S | | | | | | | | | | | | |
| 53.3 6S | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 54.7 1S | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 56.0 6S | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 57.4 1S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 58.7 6S | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 60.1 1S | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61.4 6S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.8 S | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64.1 5S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65.5 S | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66.8 5S | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68.2 S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69.5 5S | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

AX26 Cape of Good Hope - Lagos (Nigeria) (LDX)

Not Sampled

AX27 Brazil - Cape Horn (LDX)

Not Sampled

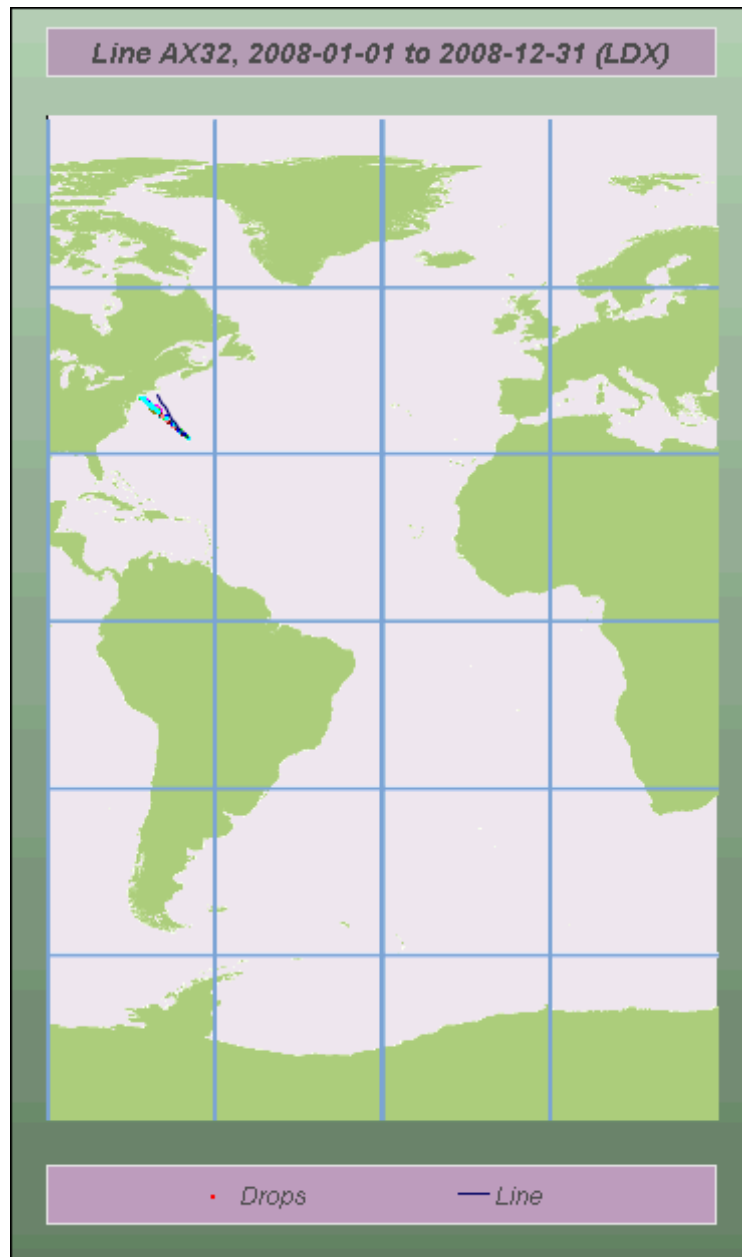
AX29 Antigua - Cabo de Sao Roque, Brazil (FRX, Thermal review FRX)

Not Sampled

AX32 New York – Bermuda (LDX)

Summary of drops by SOOP operator and ship:

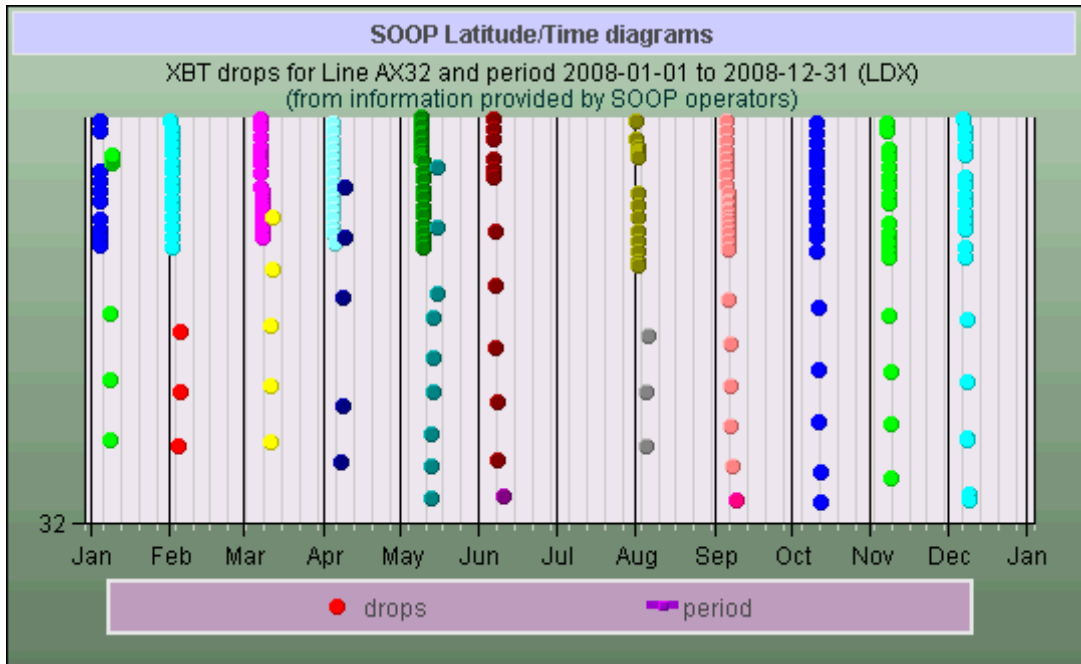
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------|----------|-------|-----------|
| SOO SEAS | OLEANDER | PJJU | 252 | 19 |
| Total | | | 252 | 19 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 72 | 100 |
| Boxes empty | 12 | 17 |
| Boxes filled (at least 1 drop): | 60 | 83 |
| Boxes OK (1 or 2 drops): | 35 | 49 |
| Boxes oversampled (>=3 drops): | 25 | 35 |

2D space-time diagram:



| AX32 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 39.42N | 9 | 9 | 10 | 8 | 13 | 6 | 0 | 7 | 7 | 8 | 6 | 6 |
| 38.07N | 6 | 7 | 11 | 12 | 9 | 1 | 0 | 5 | 11 | 6 | 7 | 7 |
| 36.72N | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 2 | 2 | 3 | 1 |
| 35.37N | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | 3 |
| 34.02N | 1 | 2 | 2 | 1 | 2 | 1 | 0 | 2 | 2 | 1 | 1 | 2 |
| 32.67N | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 2 | 1 | 4 |

AX33 Boston - Halifax/Nova Scotia (LDX)

Not Sampled

AX34 Gulf of Guinea - Caribbean (LDX, Thermal review FRX)

Not Sampled

AX35 Cape of Good Hope - Recife (LDX)

Not Sampled

AX36 Cape Horn - Gulf of Guinea (LDX)

Not Sampled

AX98 Norwegian Sea

Not Sampled

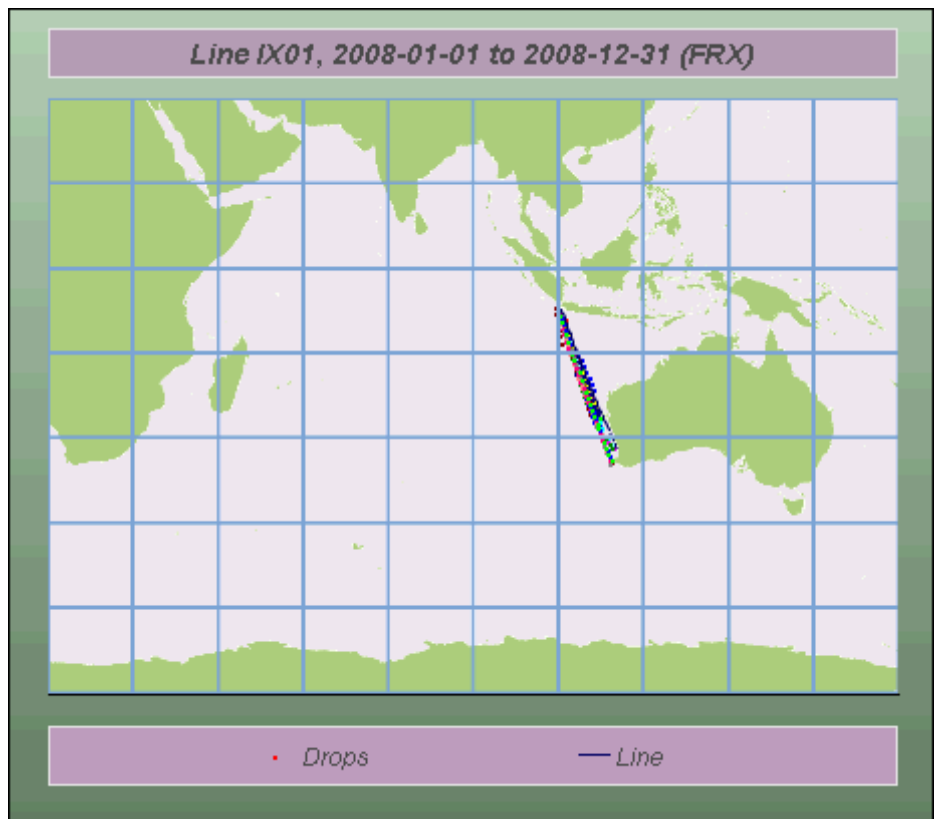
AX99 S. Ocean

Not Sampled

IX01 Fremantle - Sunda Straits (FRX, Thermal review FHD)

Summary of drops by SOOP operator and ship:

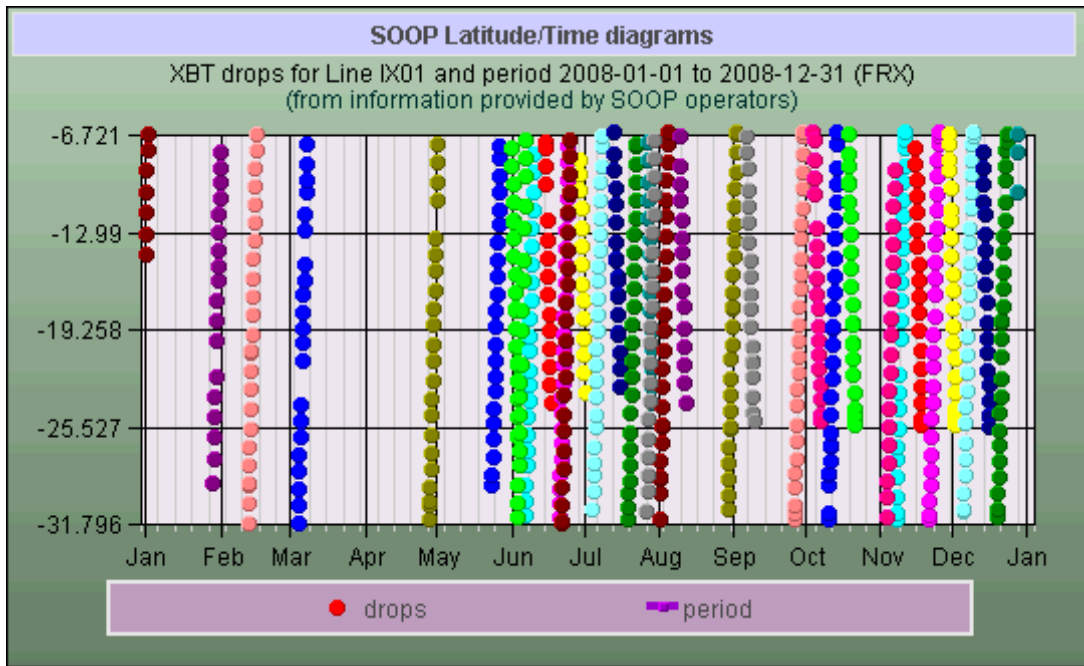
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|------------|-----------|
| SOO BOM | Adelaide Express | DHSN | 54 | 2 |
| SOO BOM | Canberra Express | DFCW2 | 38 | 1 |
| SOO BOM | MEDONTARIO | 5BDC2 | 575 | 26 |
| SOO BOM | SYDNEY EXPRESS | VSXC4 | 44 | 2 |
| SOO BOM | Wellington Express | DFCX2 | 73 | 3 |
| Total | | | 784 | 34 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 342 | 100 |
| Boxes empty | 65 | 19 |
| Boxes filled (at least 1 drop): | 277 | 81 |
| Boxes OK (1 or 2 drops): | 131 | 38 |
| Boxes oversampled (>=3 drops): | 146 | 43 |

2D space-time diagram:



| IX01 | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 6.8 4S | 2 | 0 | 1 | 2 | 0 | 1 | 0 | 2 | 4 | 3 | 8 | 0 | 3 | 4 | 4 | 3 | 8 | 3 |
| 8.1 9S | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 6 | 6 | 3 | 5 | 0 | 2 | 2 | 2 | 4 | 3 | 4 |
| 9.5 4S | 1 | 2 | 4 | 1 | 0 | 1 | 0 | 5 | 4 | 2 | 5 | 0 | 3 | 3 | 4 | 3 | 3 | 3 |
| 10. 89 S | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 4 | 6 | 4 | 5 | 0 | 4 | 2 | 2 | 4 | 4 | 3 |
| 12. 24 S | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 8 | 4 | 2 | 7 | 0 | 2 | 2 | 2 | 4 | 5 | 2 |
| 13. 58 S | 1 | 2 | 1 | 1 | 0 | 1 | 0 | 3 | 6 | 3 | 6 | 0 | 2 | 2 | 2 | 4 | 3 | 3 |
| 14. 93 S | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 4 | 4 | 3 | 8 | 1 | 2 | 2 | 3 | 3 | 3 | 2 |
| 16. 28 S | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 6 | 4 | 4 | 4 | 1 | 4 | 3 | 3 | 4 | 5 | 3 |
| 17. 63 S | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 6 | 5 | 5 | 4 | 1 | 4 | 3 | 2 | 4 | 4 | 3 |
| 18. 98 S | 0 | 1 | 2 | 1 | 0 | 2 | 0 | 5 | 6 | 6 | 4 | 1 | 2 | 2 | 4 | 3 | 2 | 3 |
| 20. 33 S | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 6 | 5 | 4 | 3 | 1 | 2 | 3 | 3 | 4 | 6 | 3 |
| 21. 68 S | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 6 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 2 |
| 23. 03 S | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 5 | 6 | 6 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |
| 24. 38 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 6 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 4 | 4 |

| | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| S | | | | | | | | | | | | | | | | | | | |
| 25.73 S | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 5 | 3 | 2 | 4 | 2 | 1 | 2 | 2 | 4 | 5 | 2 | |
| 27.07 S | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 4 | 4 | 2 | 2 | 1 | 0 | 2 | 2 | 4 | 3 | 2 | |
| 28.42 S | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 3 | 2 | 4 | 4 | 2 | 0 | 1 | 4 | 3 | 2 | 1 | |
| 29.77 S | 0 | 1 | 3 | 1 | 0 | 3 | 0 | 4 | 2 | 3 | 2 | 1 | 0 | 1 | 1 | 3 | 3 | 1 | |
| 31.12 S | 0 | 2 | 4 | 3 | 0 | 4 | 0 | 4 | 6 | 3 | 3 | 1 | 0 | 5 | 0 | 5 | 4 | 3 | |

IX02 Cape of Good Hope – Fremantle (LDX)

Not Sampled

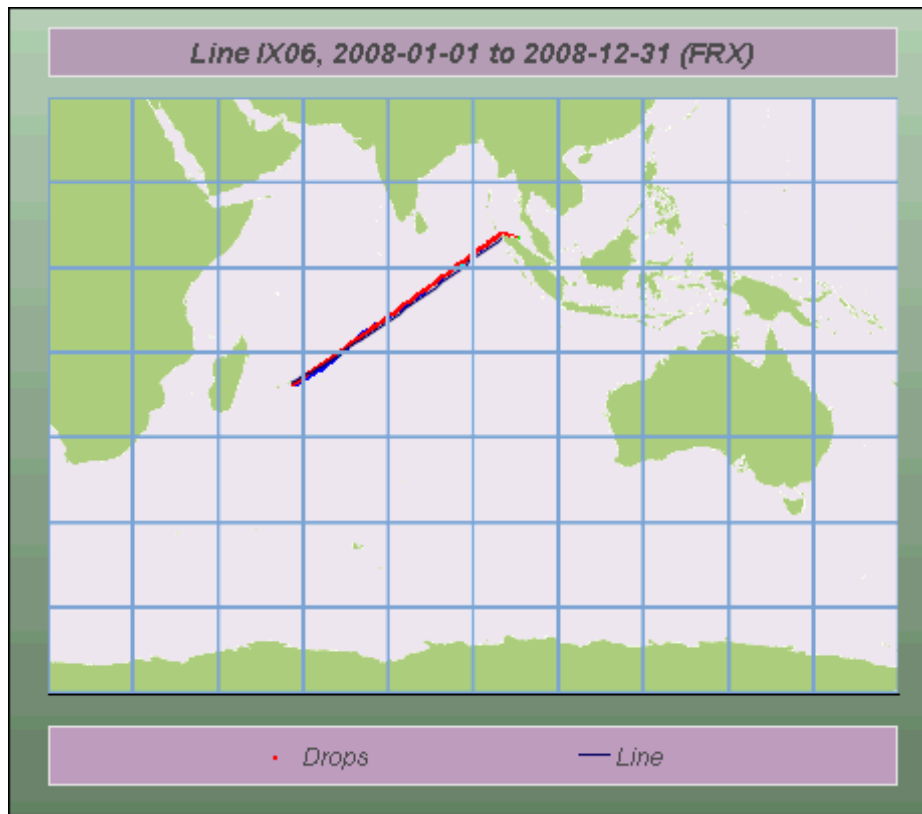
IX03 Red Sea - Mauritius/La Reunion (FRX)

Not Sampled

IX06 Mauritius/La Reunion - Malacca Strait (FRX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

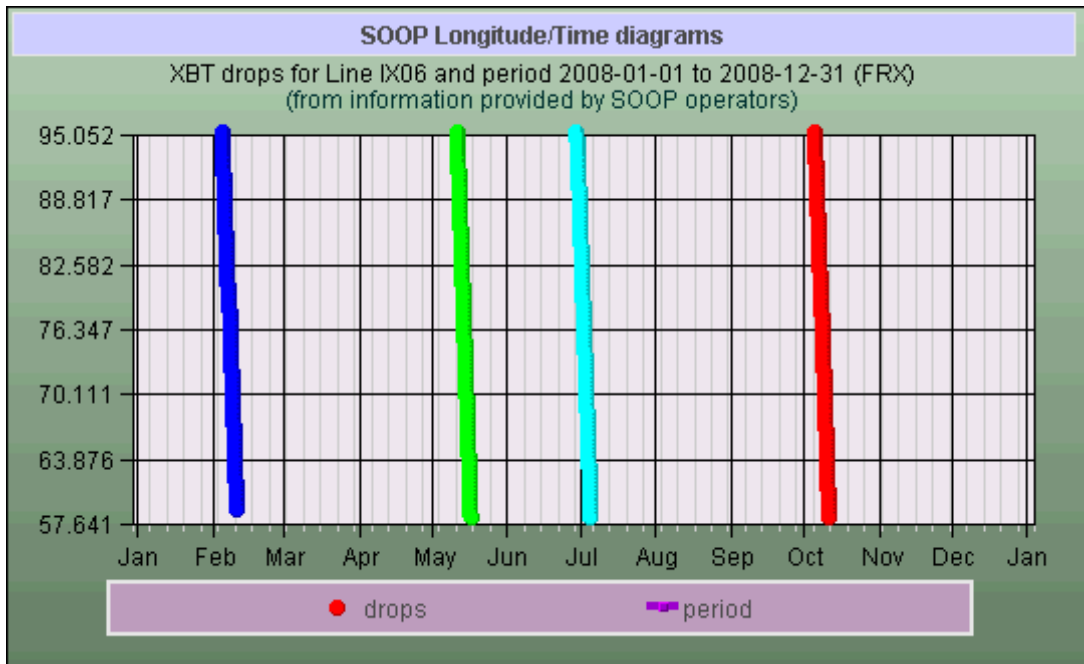
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------------|----------|-------|-----------|
| SOO SEAS/SIO | Safmarine Meru | MNDC9 | 465 | 4 |
| Total | | | 465 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 126 | 100 |
| Boxes empty | 95 | 75 |
| Boxes filled (at least 1 drop): | 31 | 25 |
| Boxes OK (1 or 2 drops): | 1 | 1 |
| Boxes oversampled (>=3 drops): | 30 | 24 |

2D space-time diagram:



| IX06 | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 90.14 E | 0 | 14 | 0 | 0 | 0 | 0 | 15 | 0 | 14 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 |
| 85.14 E | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 0 | 10 | 4 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 |
| 80.14 E | 0 | 13 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 13 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 |
| 75.14 E | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| 70.14 E | 0 | 13 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 |
| 65.14 E | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 13 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| 60.14 E | 0 | 3 | 7 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 |

IX07 Cape of Good Hope - Persian Gulf (LDX, Thermal review FRX)

Not Sampled

IX08 Mauritius - Bombay (LDX, Thermal review FRX)

Not Sampled

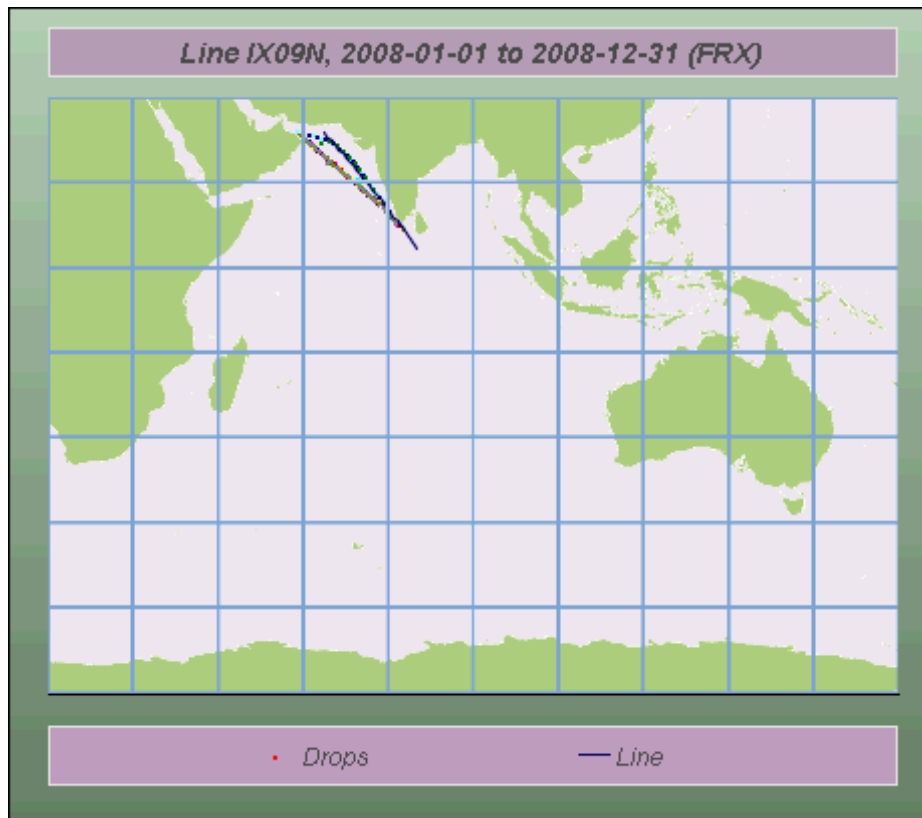
IX09 Fremantle - Persian Gulf (FRX)

Not Sampled

IX09N Sri Lanka - Persian Gulf (IX09 North) (FRX)

Summary of drops by SOOP operator and ship:

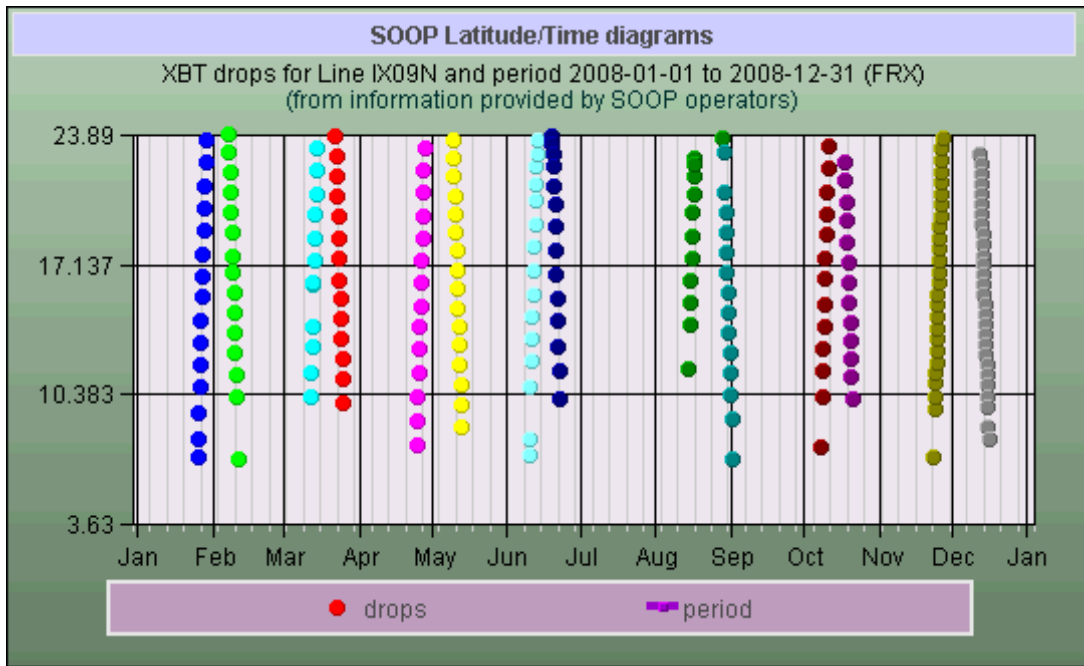
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-----------|----------|-------|-----------|
| SOO JAMSTEC | KAMINESAN | HPJF | 224 | 14 |
| Total | | | 224 | 14 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--------------------------------------|-------|-----|
| Number of boxes | 270 | 100 |
| Boxes empty | 136 | 50 |
| Boxes filled (at least 1 drop): | 134 | 50 |
| Boxes OK (1 or 2 drops): | 114 | 42 |
| Boxes oversampled (≥ 3 drops): | 20 | 7 |

2D space-time diagram:



| IX09N | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 23.19 N | 0 | 2 | 0 | 1 | 2 | 1 | 2 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 3 | 1 |
| 21.84 N | 0 | 3 | 0 | 1 | 1 | 1 | 1 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 2 | 3 |
| 20.49 N | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 2 | 2 |
| 19.14 N | 0 | 3 | 0 | 2 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 2 | 3 |
| 17.79 N | 0 | 2 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 3 | 2 |
| 16.45 N | 0 | 2 | 0 | 2 | 1 | 1 | 2 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 2 | 3 |
| 15.1N | 0 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 2 | 3 |
| 13.75 N | 0 | 3 | 0 | 1 | 2 | 1 | 1 | 0 | 3 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 3 | 2 |
| 12.4N | 0 | 2 | 0 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 3 |
| 11.05 N | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 2 |
| 9.7 N | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 2 |
| 8.35N | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 7N | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 5.65N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4.3 N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

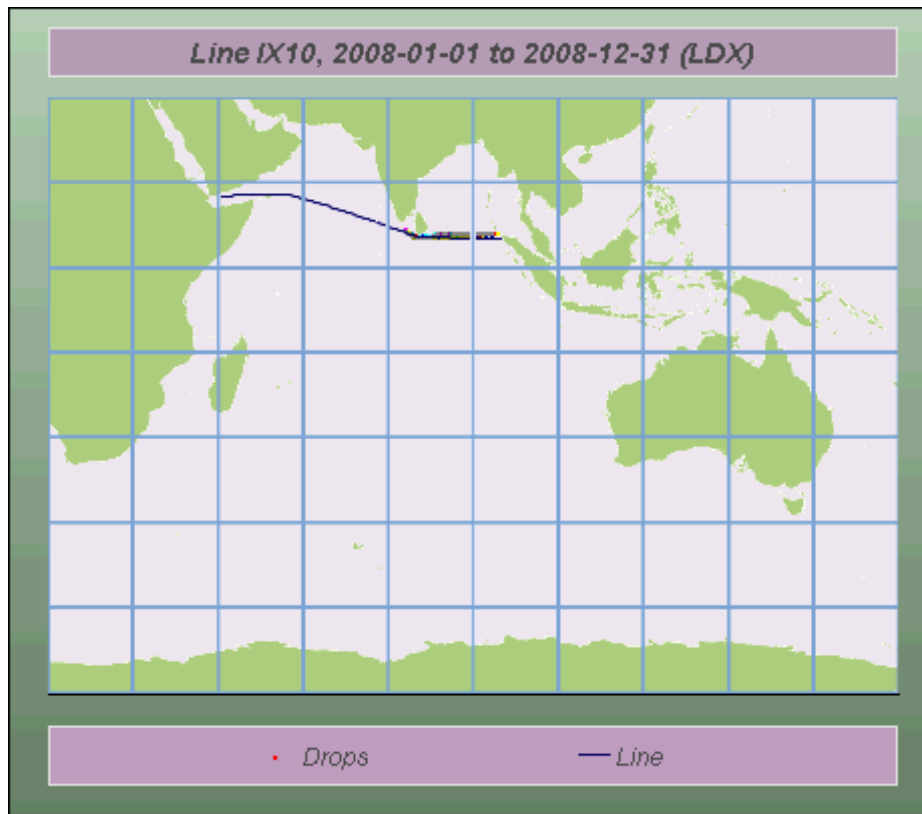
IX09S Fremantle - Sri Lanka (FRX, Thermal review FRX)

Not Sampled

IX10 Red Sea - Malacca Strait/Singapore (LDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

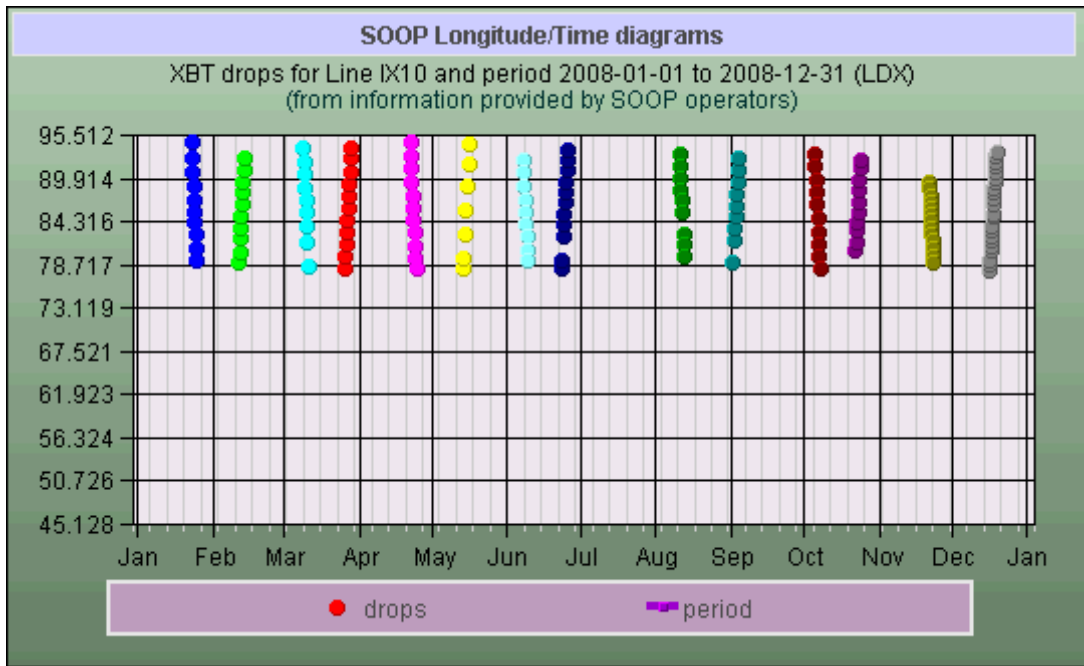
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-----------|----------|-------|-----------|
| SOO JAMSTEC | KAMINESAN | HPJF | 152 | 14 |
| Total | | | 152 | 14 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 120 | 100 |
| Boxes empty | 77 | 64 |
| Boxes filled (at least 1 drop): | 43 | 36 |
| Boxes OK (1 or 2 drops): | 14 | 12 |
| Boxes oversampled (>=3 drops): | 29 | 24 |

2D space-time diagram:



| IX10 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 92.63 E | 3 | 2 | 6 | 3 | 2 | 5 | 0 | 2 | 2 | 4 | 0 | 5 |
| 87.63 E | 3 | 3 | 6 | 3 | 2 | 7 | 0 | 4 | 3 | 7 | 6 | 7 |
| 82.63 E | 3 | 4 | 5 | 3 | 1 | 5 | 0 | 3 | 3 | 7 | 5 | 7 |
| 77.63 E | 1 | 1 | 3 | 2 | 2 | 3 | 0 | 1 | 1 | 2 | 2 | 3 |
| 72.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47.63 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

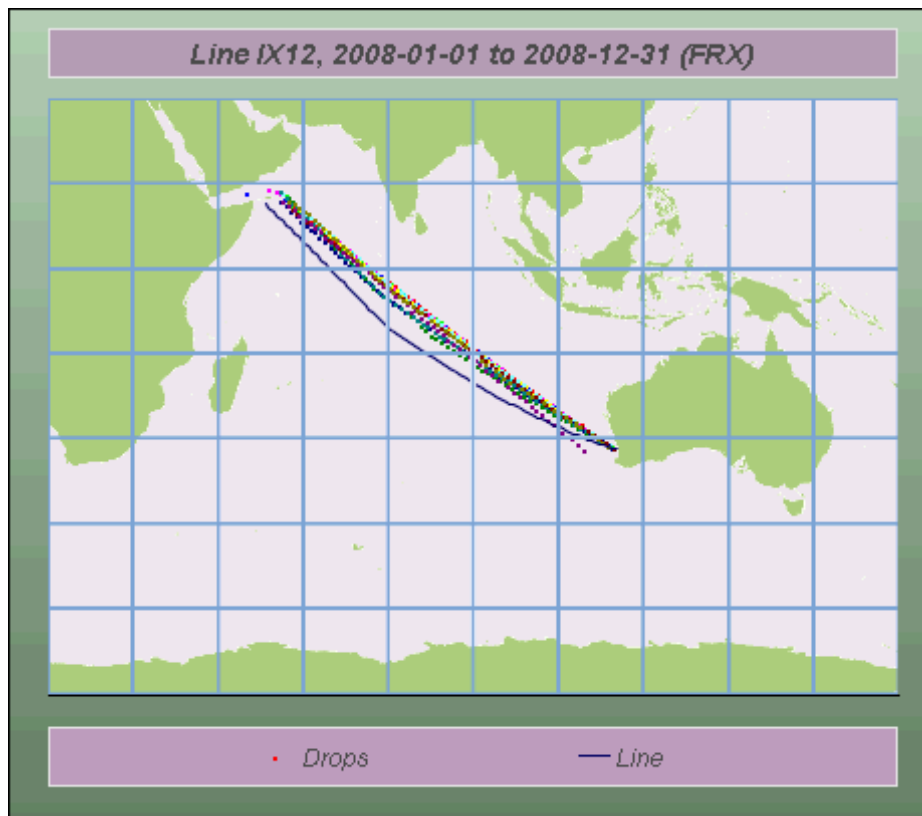
IX11 Calcuta - Java Sea (LDX)

Not Sampled

IX12 Fremantle - Red Sea (FRX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

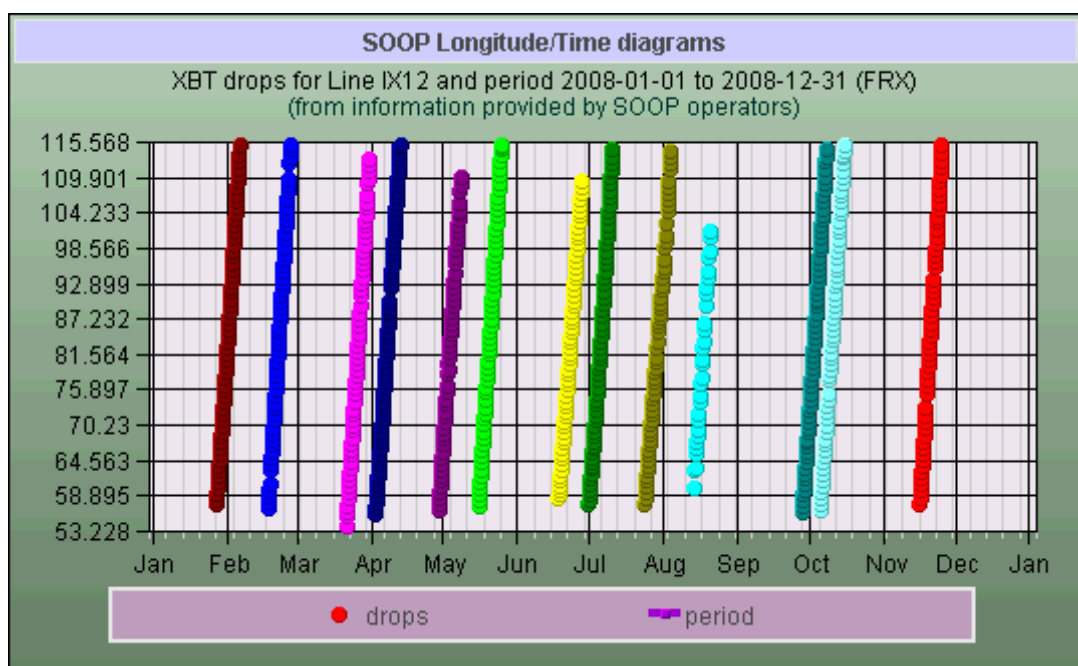
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|------------|-----------|
| SOO BOM | Adelaide Express | DHSN | 237 | 3 |
| SOO BOM | Canberra Express | DFCW2 | 222 | 4 |
| SOO BOM | SYDNEY EXPRESS | VSXC4 | 190 | 3 |
| SOO BOM | Wellington Express | DFCX2 | 194 | 3 |
| Total | | | 843 | 13 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 216 | 100 |
| Boxes empty | 82 | 38 |
| Boxes filled (at least 1 drop): | 134 | 62 |
| Boxes OK (1 or 2 drops): | 13 | 6 |
| Boxes oversampled (>=3 drops): | 121 | 56 |

2D space-time diagram:



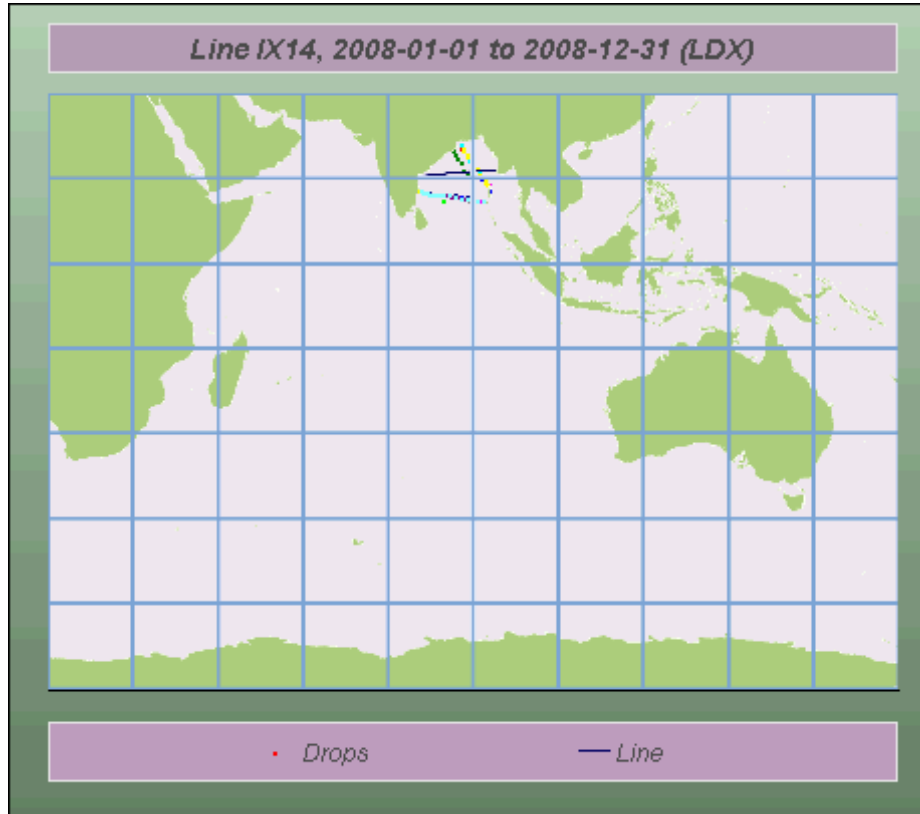
| IX12 | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 110.73E | 0 | 4 | 4 | 0 | 5 | 7 | 2 | 4 | 2 | 6 | 4 | 0 | 0 | 6 | 5 | 0 | 5 | 0 |
| 105.73E | 0 | 5 | 4 | 0 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 0 | 0 | 5 | 6 | 0 | 6 | 0 |
| 100.73E | 0 | 5 | 6 | 0 | 13 | 0 | 8 | 7 | 6 | 4 | 5 | 2 | 0 | 7 | 6 | 0 | 5 | 0 |
| 95.73E | 0 | 6 | 5 | 0 | 10 | 0 | 4 | 6 | 5 | 7 | 4 | 4 | 0 | 6 | 7 | 0 | 6 | 0 |
| 90.73E | 0 | 5 | 5 | 0 | 9 | 0 | 11 | 1 | 7 | 6 | 5 | 3 | 0 | 7 | 5 | 0 | 5 | 0 |
| 85.73E | 0 | 5 | 5 | 0 | 11 | 0 | 14 | 0 | 7 | 5 | 6 | 3 | 0 | 11 | 2 | 0 | 5 | 0 |
| 80.73E | 0 | 5 | 6 | 0 | 10 | 0 | 12 | 0 | 6 | 6 | 5 | 3 | 0 | 12 | 0 | 6 | 0 | 0 |
| 75.73E | 0 | 6 | 5 | 0 | 12 | 0 | 9 | 0 | 5 | 7 | 6 | 4 | 0 | 9 | 0 | 3 | 0 | 0 |
| 70.73E | 0 | 6 | 6 | 0 | 13 | 1 | 9 | 0 | 7 | 8 | 7 | 4 | 0 | 13 | 0 | 5 | 0 | 0 |
| 65.73E | 0 | 5 | 6 | 0 | 16 | 6 | 7 | 0 | 6 | 10 | 6 | 4 | 0 | 16 | 0 | 7 | 0 | 0 |
| 60.73E | 0 | 5 | 4 | 0 | 14 | 7 | 6 | 0 | 8 | 5 | 6 | 2 | 0 | 13 | 0 | 6 | 0 | 0 |
| 55.73E | 0 | 2 | 3 | 3 | 6 | 2 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 5 | 0 | 1 | 0 | 0 |

IX14 Bay of Bengal (LDX)

Summary of drops by SOOP operator and ship:

| Program | ShipName | CallSign | Drops | Transects |
|---------|-----------------|----------|-------|-----------|
| SOO NIO | M V SWARAJDWEEP | VTQG | 113 | 9 |

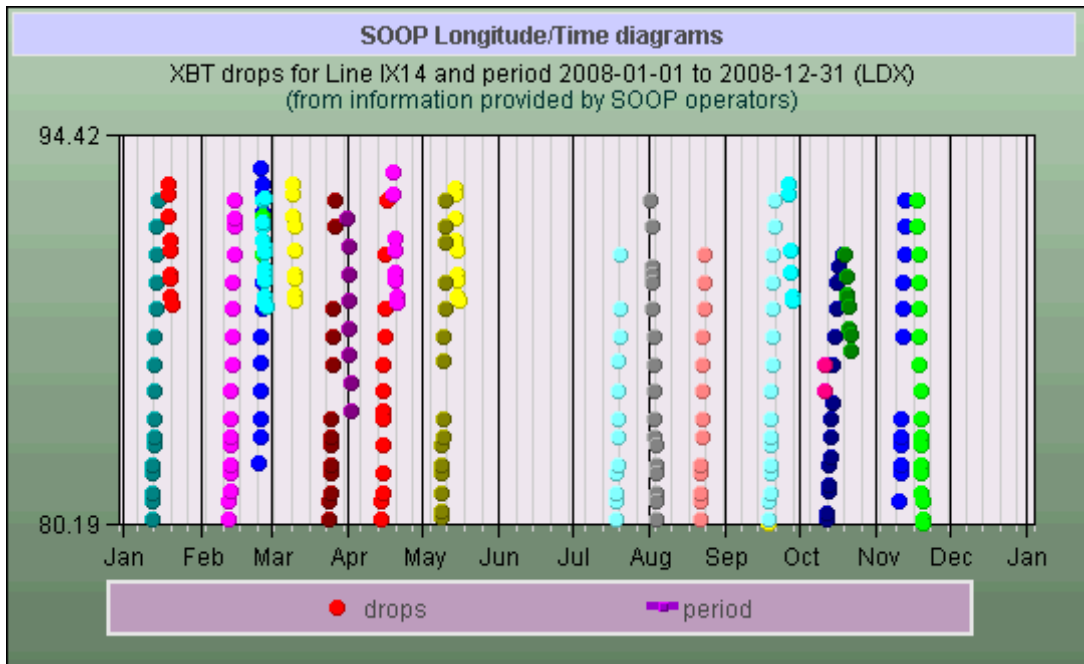
| | | | | |
|--------------|----------------|------|-----|----|
| SOO NIO | M.V.AKBAR | ATGH | 69 | 7 |
| SOO NIO | NICOBAR | VTWS | 6 | 1 |
| SOO NIO | ORV SAGARKANYA | SK25 | 23 | 2 |
| SOO NIO | SWARAJ DWEEP | VTZJ | 53 | 4 |
| Total | | | 264 | 23 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|-----------|------------|
| Number of boxes | 36 | 100 |
| Boxes empty | 8 | 22 |
| Boxes filled (at least 1 drop): | 28 | 78 |
| Boxes OK (1 or 2 drops): | 1 | 3 |
| Boxes oversampled (>=3 drops): | 27 | 75 |

2D space-time diagram:

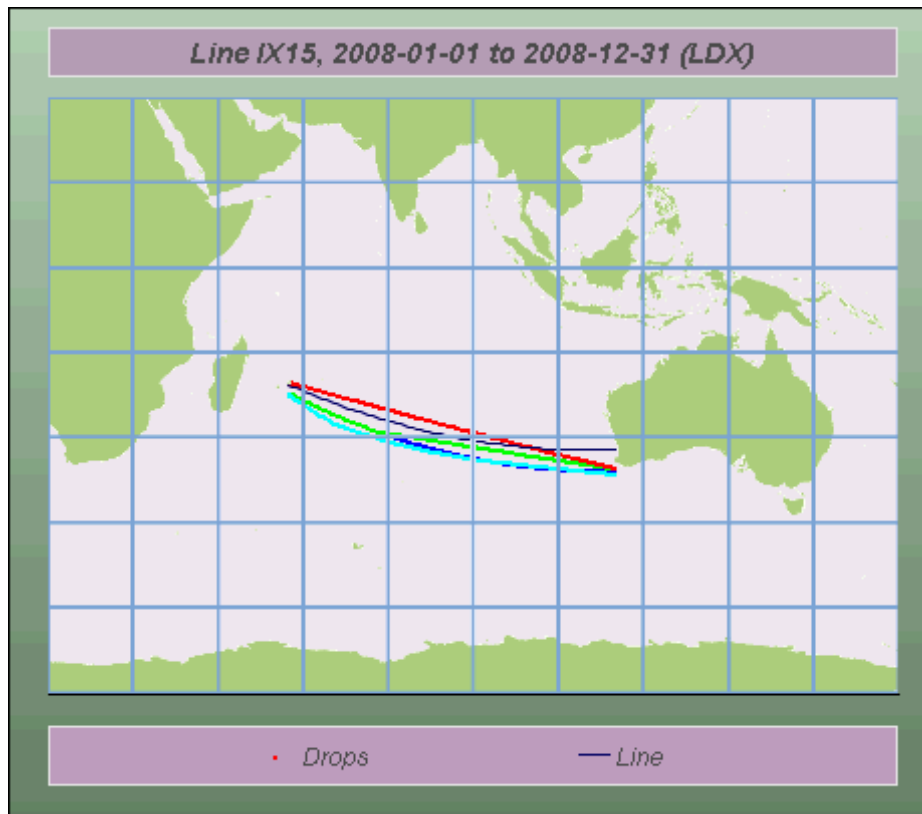


| <i>IX14</i> | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 92.69 E | 6 | 14 | 8 | 4 | 7 | 0 | 0 | 2 | 4 | 0 | 4 | 0 |
| 87.69 E | 10 | 17 | 8 | 14 | 9 | 0 | 4 | 11 | 9 | 15 | 9 | 0 |
| 82.69 E | 9 | 13 | 8 | 9 | 8 | 0 | 8 | 17 | 11 | 10 | 16 | 0 |

IX15 Mauritius – Fremantle (LDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

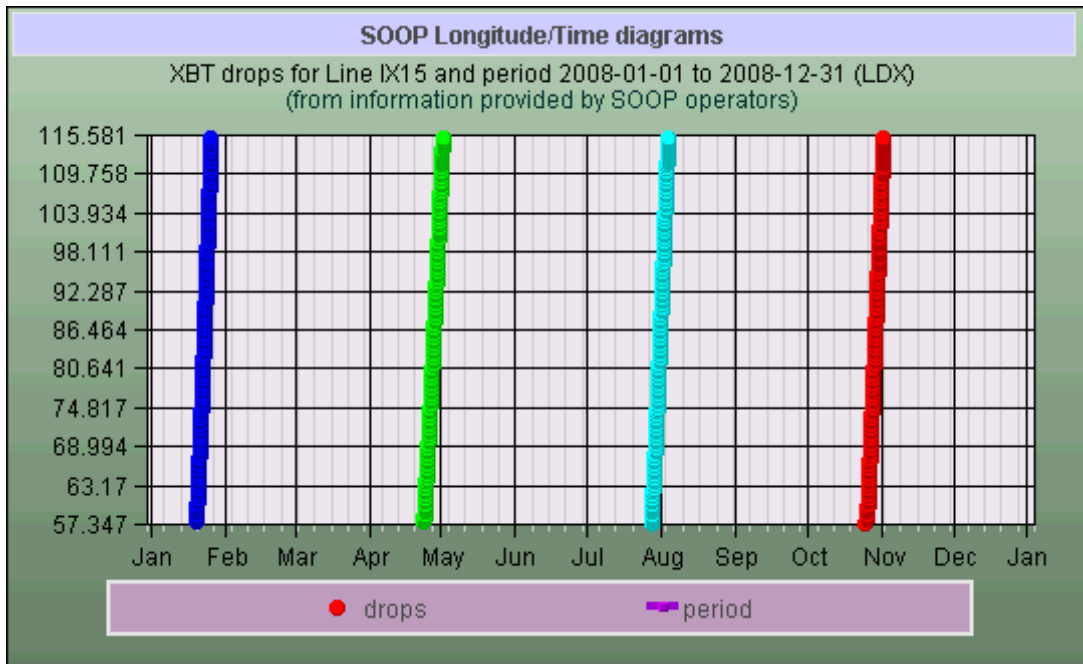
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SEAS/SIO | CMA CGM Lavender | A8IG2 | 537 | 4 |
| Total | | | 537 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 144 | 100 |
| Boxes empty | 93 | 65 |
| Boxes filled (at least 1 drop): | 51 | 35 |
| Boxes OK (1 or 2 drops): | 2 | 1 |
| Boxes oversampled (>=3 drops): | 49 | 34 |

2D space-time diagram:



| IX15 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 114.85E | 7 | 0 | 0 | 2 | 10 | 0 | 0 | 12 | 0 | 0 | 12 | 0 |
| 109.85E | 10 | 0 | 0 | 12 | 0 | 0 | 0 | 13 | 0 | 0 | 13 | 0 |
| 104.85E | 10 | 0 | 0 | 11 | 0 | 0 | 0 | 10 | 0 | 0 | 12 | 0 |
| 99.85E | 10 | 0 | 0 | 11 | 0 | 0 | 0 | 10 | 0 | 5 | 10 | 0 |
| 94.85E | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 0 | 13 | 0 | 0 |
| 89.85E | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 0 | 13 | 0 | 0 |
| 84.85E | 11 | 0 | 0 | 10 | 0 | 0 | 9 | 1 | 0 | 12 | 0 | 0 |
| 79.85E | 10 | 0 | 0 | 10 | 0 | 0 | 11 | 0 | 0 | 12 | 0 | 0 |
| 74.85E | 10 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 11 | 0 | 0 |
| 69.85E | 10 | 0 | 0 | 10 | 0 | 0 | 11 | 0 | 0 | 10 | 0 | 0 |
| 64.85E | 10 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 |
| 59.85E | 14 | 0 | 0 | 16 | 0 | 0 | 19 | 0 | 0 | 14 | 0 | 0 |

IX16 Mombassa - Singapore (LDX)

Not Sampled

IX17 Mombassa - Karachi (LDX)

Not Sampled

IX18 Mombassa – Bombay (LDX)

Not Sampled

IX19 La Renion/Mauritius – Kerguelen (LDX)

Not Sampled

IX19b La Reunion/Mauritius – Amsterdam (LDX)

Not Sampled

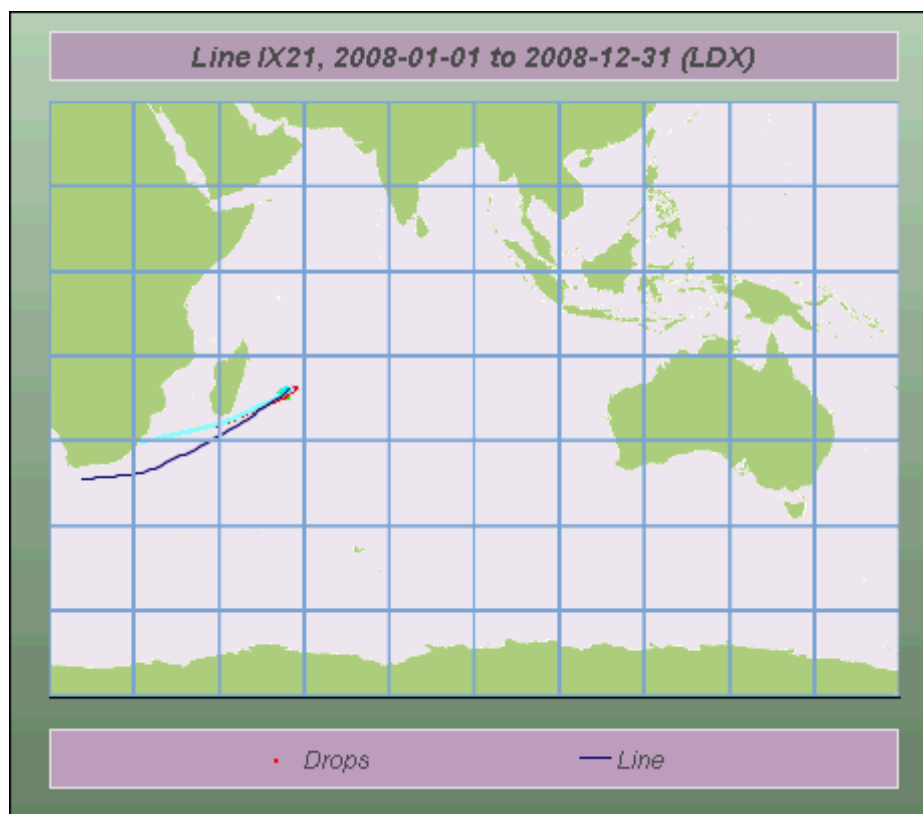
IX20 Mauritius – Rodriguez (LDX)

Not Sampled

IX21 Cape of Good Hope – Mauritius (LDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

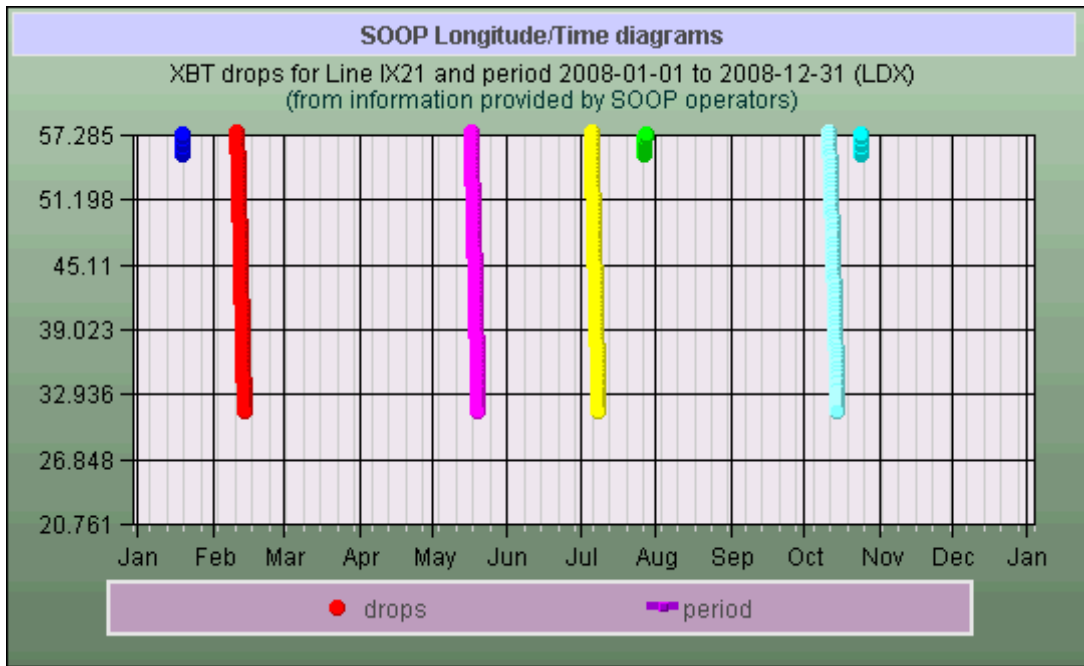
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SEAS/SIO | CMA CGM Lavender | A8IG2 | 33 | 3 |
| SOO SEAS/SIO | Safmarine Meru | MNDC9 | 380 | 4 |
| Total | | | 413 | 7 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 84 | 100 |
| Boxes empty | 63 | 75 |
| Boxes filled (at least 1 drop): | 21 | 25 |
| Boxes OK (1 or 2 drops): | 0 | 0 |
| Boxes oversampled (>=3 drops): | 21 | 25 |

2D space-time diagram:

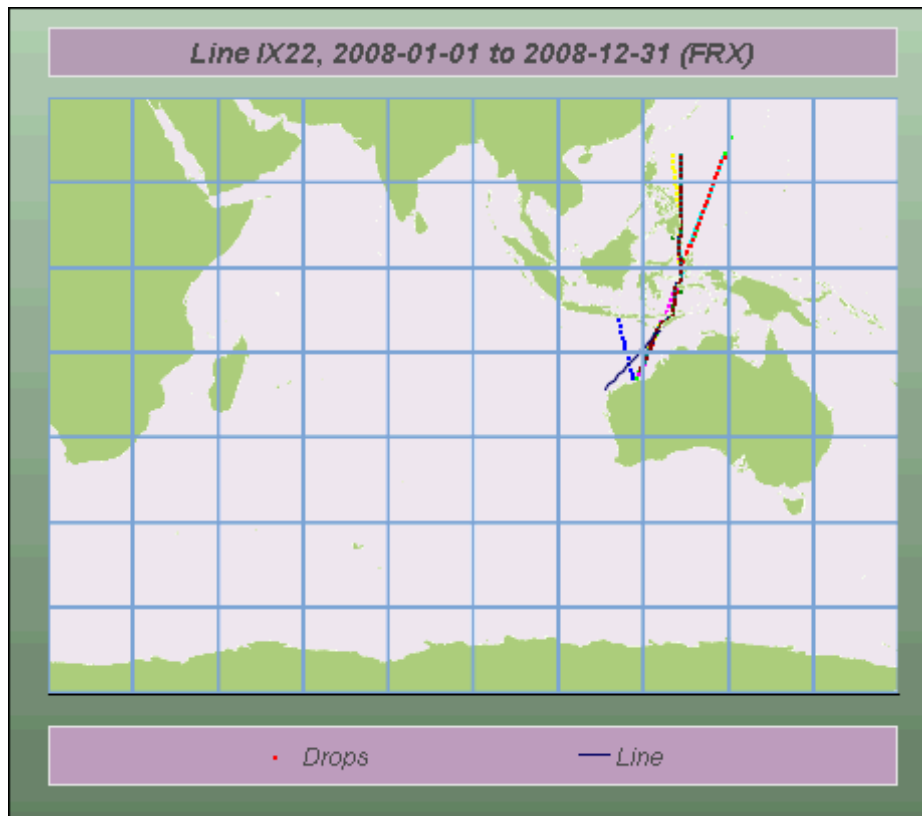


| <i>IX21</i> | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 53.26 E | 3 | 15 | 0 | 0 | 15 | 0 | 21 | 0 | 0 | 18 | 0 | 0 |
| 48.26 E | 0 | 17 | 0 | 0 | 17 | 0 | 17 | 0 | 0 | 17 | 0 | 0 |
| 43.26 E | 0 | 15 | 0 | 0 | 16 | 0 | 16 | 0 | 0 | 17 | 0 | 0 |
| 38.26 E | 0 | 15 | 0 | 0 | 16 | 0 | 16 | 0 | 0 | 15 | 0 | 0 |
| 33.26 E | 0 | 23 | 0 | 0 | 24 | 0 | 26 | 0 | 0 | 23 | 0 | 0 |
| 28.26 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23.26 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

IX22 Shark Bay - Timor Strait/Banda Sea (FRX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

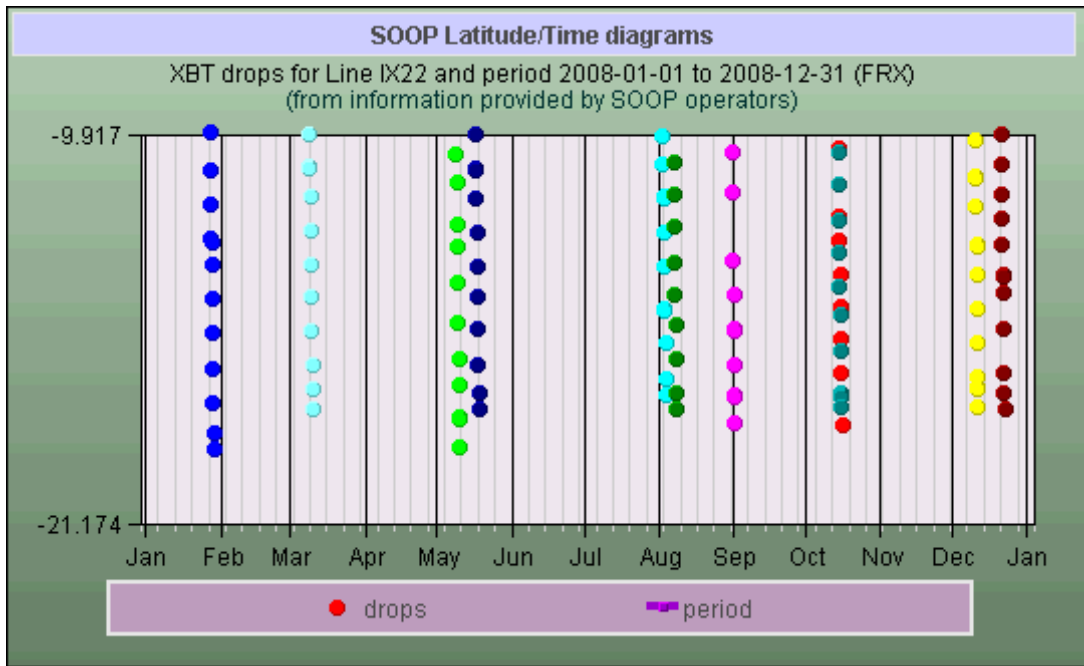
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------------------|----------|-------|-----------|
| SOO BOM | IRON YANDI | VNVR | 245 | 5 |
| SOO BOM | LOWLANDS PROSPERITY (BELGIUM) | ONDB | 89 | 2 |
| SOO BOM | PACIFIC TRIANGLE (LIBERIA) | ELXS8 | 167 | 4 |
| Total | | | 501 | 11 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 144 | 100 |
| Boxes empty | 100 | 69 |
| Boxes filled (at least 1 drop): | 44 | 31 |
| Boxes OK (1 or 2 drops): | 20 | 14 |
| Boxes oversampled (>=3 drops): | 24 | 17 |

2D space-time diagram:



| IX2 2 | 11/01 /2008 | 31/01 /2008 | 20/02 /2008 | 12/03 /2008 | 01/04 /2008 | 21/04 /2008 | 11/05 /2008 | 01/06 /2008 | 21/06 /2008 | 11/07 /2008 | 01/08 /2008 | 21/08 /2008 | 10/09 /2008 | 30/09 /2008 | 21/10 /2008 | 10/11 /2008 | 30/11 /2008 | 21/12 /2008 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 11. 06 S | 0 | 1 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 3 | 0 | 2 | 2 |
| 12. 41 S | 0 | 3 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 2 |
| 13. 75 S | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 | 0 | 0 | 7 |
| 15. 1S | 0 | 2 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 2 | 0 | 0 | 3 |
| 16. 45 S | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 0 | 4 |
| 17. 8S | 0 | 1 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 7 | 0 | 0 | 5 |
| 19. 15 S | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. 5S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

IX23 Hobart - Casey Station (LDX)

Not Sampled

IX25 Mauritius - Karachi (LDX)

Not Sampled

IX26 Red Sea - Karachi (LDX)

Not Sampled

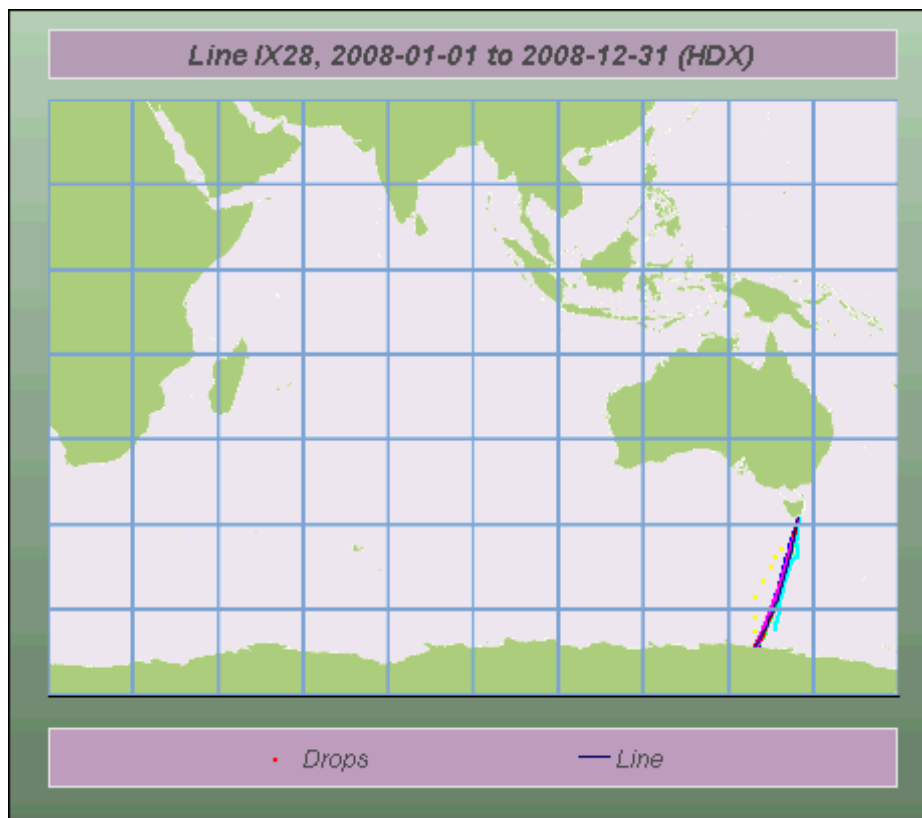
IX27 Mombassa - La Reunion (LDX)

Not Sampled

IX28 Hobart, Tasmania - Dumont d'Urville (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

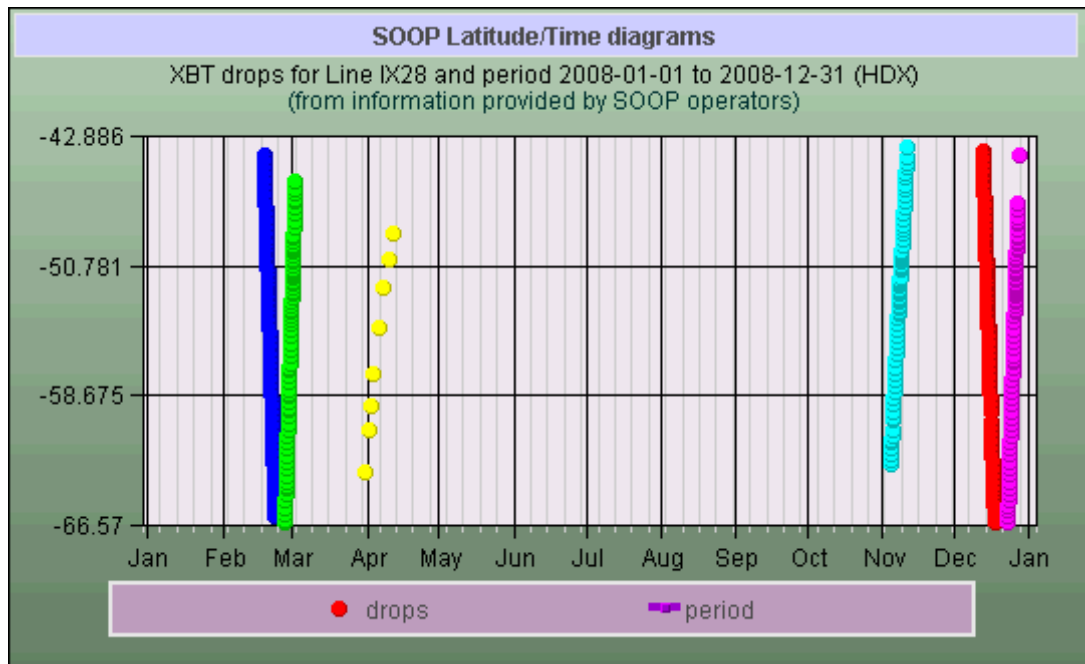
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------|----------|-------|-----------|
| SOO CSIRO | AuroraAust | VNZAA | 59 | 1 |
| SOO CSIRO | L'ASTROLABE | FHZI | 449 | 5 |
| Total | | | 508 | 6 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 216 | 100 |
| Boxes empty | 105 | 49 |
| Boxes filled (at least 1 drop): | 111 | 51 |
| Boxes OK (1 or 2 drops): | 17 | 8 |
| Boxes oversampled (>=3 drops): | 94 | 44 |

2D space-time diagram:



| IX28 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 43.11S | 0 | 0 | 0 | 0 |
| 43.55S | 0 | 0 | 0 | 1 |
| 43.99S | 0 | 0 | 0 | 3 |
| 44.43S | 2 | 0 | 0 | 4 |
| 44.87S | 2 | 0 | 0 | 4 |
| 45.31S | 3 | 0 | 0 | 3 |
| 45.76S | 2 | 0 | 0 | 4 |
| 46.2S | 3 | 0 | 0 | 4 |
| 46.64S | 2 | 0 | 0 | 2 |
| 47.08S | 5 | 0 | 0 | 3 |
| 47.52S | 2 | 0 | 0 | 5 |
| 47.96S | 3 | 0 | 0 | 5 |
| 48.4S | 3 | 0 | 0 | 4 |
| 48.84S | 2 | 0 | 0 | 5 |
| 49.28S | 3 | 13 | 0 | 6 |
| 49.72S | 7 | 0 | 0 | 8 |
| 50.17S | 4 | 0 | 0 | 8 |
| 50.61S | 5 | 4 | 0 | 11 |
| 51.05S | 5 | 0 | 0 | 8 |
| 51.49S | 7 | 0 | 0 | 9 |

| | | | | |
|--------|---|---|---|----|
| 51.93S | 5 | 0 | 0 | 11 |
| 52.37S | 6 | 6 | 0 | 10 |
| 52.81S | 6 | 0 | 0 | 10 |
| 53.25S | 7 | 0 | 0 | 8 |
| 53.69S | 4 | 0 | 0 | 7 |
| 54.13S | 4 | 0 | 0 | 8 |
| 54.56S | 3 | 0 | 0 | 8 |
| 55S | 4 | 6 | 0 | 8 |
| 55.44S | 2 | 0 | 0 | 3 |
| 55.88S | 2 | 0 | 0 | 4 |
| 56.32S | 4 | 0 | 0 | 4 |
| 56.76S | 3 | 0 | 0 | 5 |
| 57.2S | 4 | 0 | 0 | 4 |
| 57.64S | 5 | 9 | 0 | 4 |
| 58.08S | 3 | 0 | 0 | 4 |
| 58.51S | 3 | 0 | 0 | 4 |
| 58.95S | 3 | 0 | 0 | 5 |
| 59.39S | 5 | 9 | 0 | 6 |
| 59.83S | 2 | 0 | 0 | 4 |
| 60.26S | 2 | 0 | 0 | 4 |
| 60.7S | 2 | 0 | 0 | 6 |
| 61.14S | 2 | 6 | 0 | 4 |
| 61.57S | 2 | 0 | 0 | 4 |
| 62.01S | 2 | 0 | 0 | 5 |
| 62.45S | 2 | 0 | 0 | 5 |
| 62.88S | 3 | 0 | 0 | 3 |
| 63.32S | 8 | 0 | 0 | 3 |
| 63.75S | 3 | 0 | 0 | 3 |
| 64.19S | 5 | 0 | 0 | 3 |
| 64.62S | 4 | 0 | 0 | 4 |
| 65.05S | 4 | 0 | 0 | 3 |
| 65.49S | 3 | 0 | 0 | 4 |
| 65.92S | 3 | 0 | 0 | 3 |
| 66.35S | 3 | 0 | 0 | 4 |

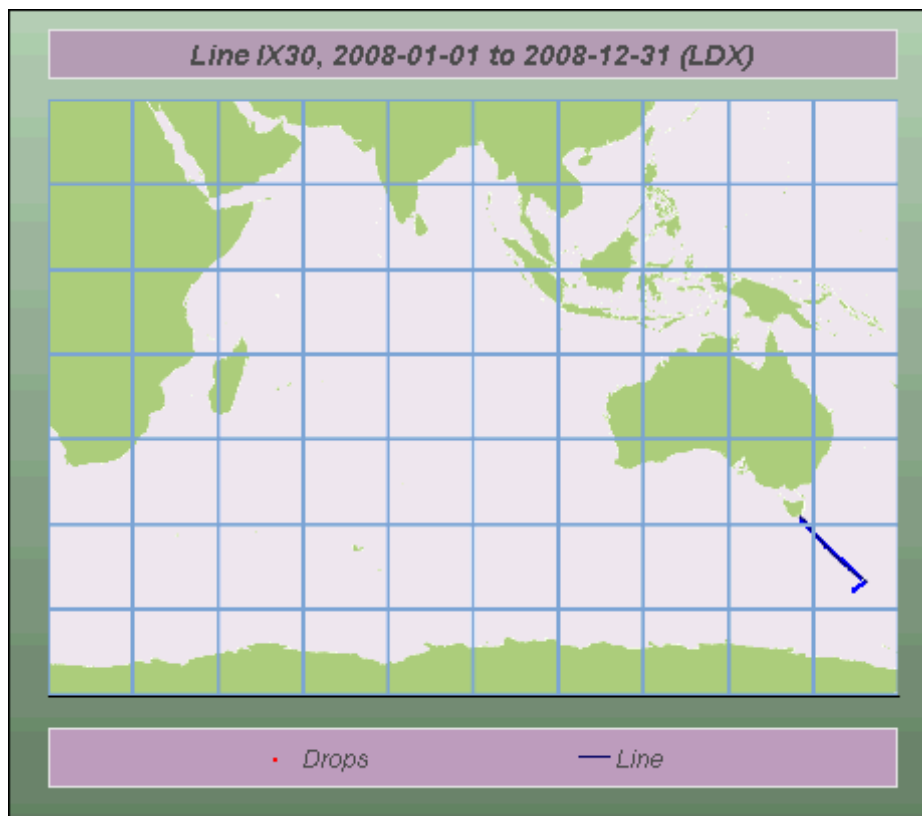
IX29 Macquarie Island - Casey Station (LDX)

Not Sampled

IX30 Hobart - Macquarie Island (is also PX33) (LDX)

Summary of drops by SOOP operator and ship:

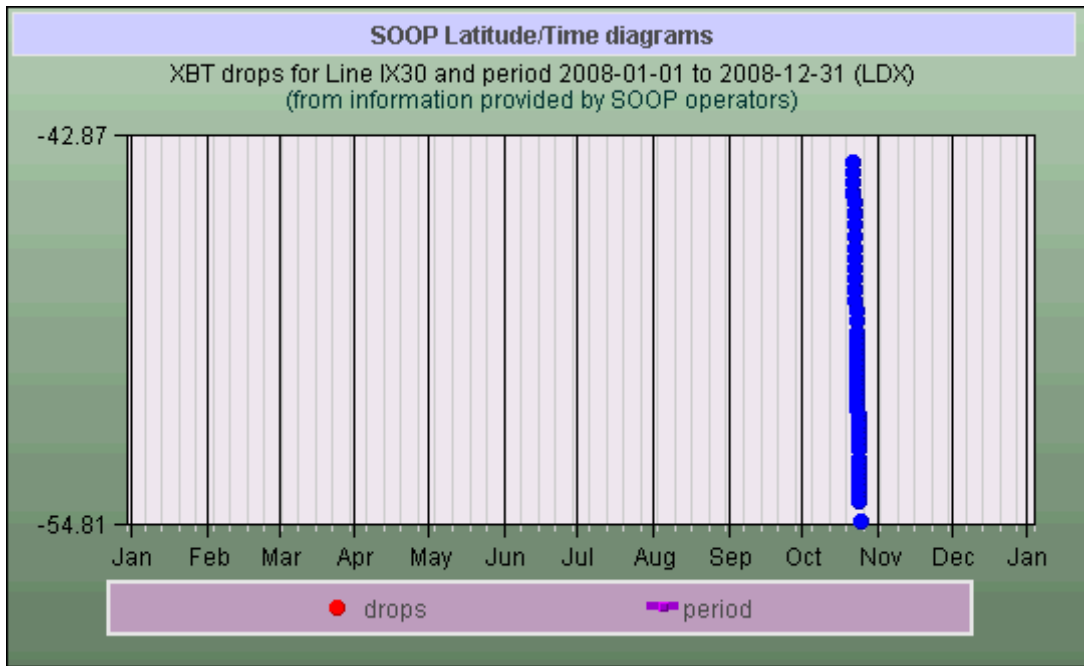
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------|----------|-------|-----------|
| SOO CSIRO | L'ASTROLABE | FHZI | 67 | 1 |
| Total | | | 67 | 1 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 108 | 100 |
| Boxes empty | 99 | 92 |
| Boxes filled (at least 1 drop): | 9 | 8 |
| Boxes OK (1 or 2 drops): | 1 | 1 |
| Boxes oversampled (>=3 drops): | 8 | 7 |

2D space-time diagram:

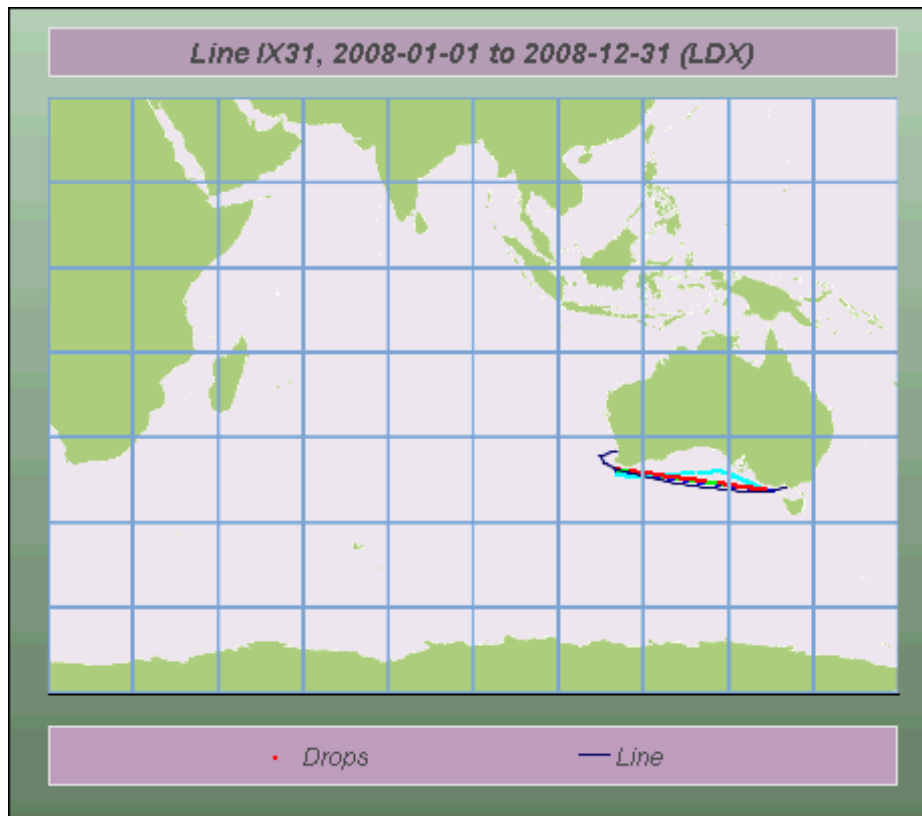


| IX30 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 43.34S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 44.69S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| 46.04S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| 47.39S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 48.74S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| 50.09S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| 51.44S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 |
| 52.79S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| 54.14S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |

IX31 Melbourne - Point Leeuwin (Australia) (LDX)

Summary of drops by SOOP operator and ship:

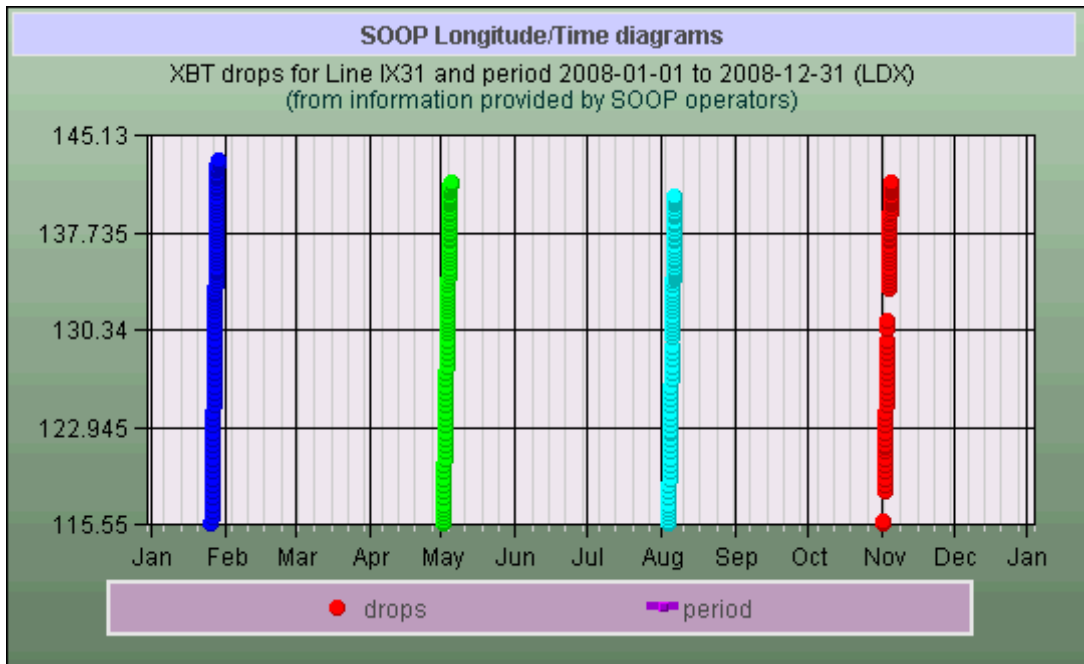
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SEAS/SIO | CMA CGM Lavender | A8IG2 | 310 | 4 |
| Total | | | 310 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 72 | 100 |
| Boxes empty | 49 | 68 |
| Boxes filled (at least 1 drop): | 23 | 32 |
| Boxes OK (1 or 2 drops): | 0 | 0 |
| Boxes oversampled (>=3 drops): | 23 | 32 |

2D space-time diagram:

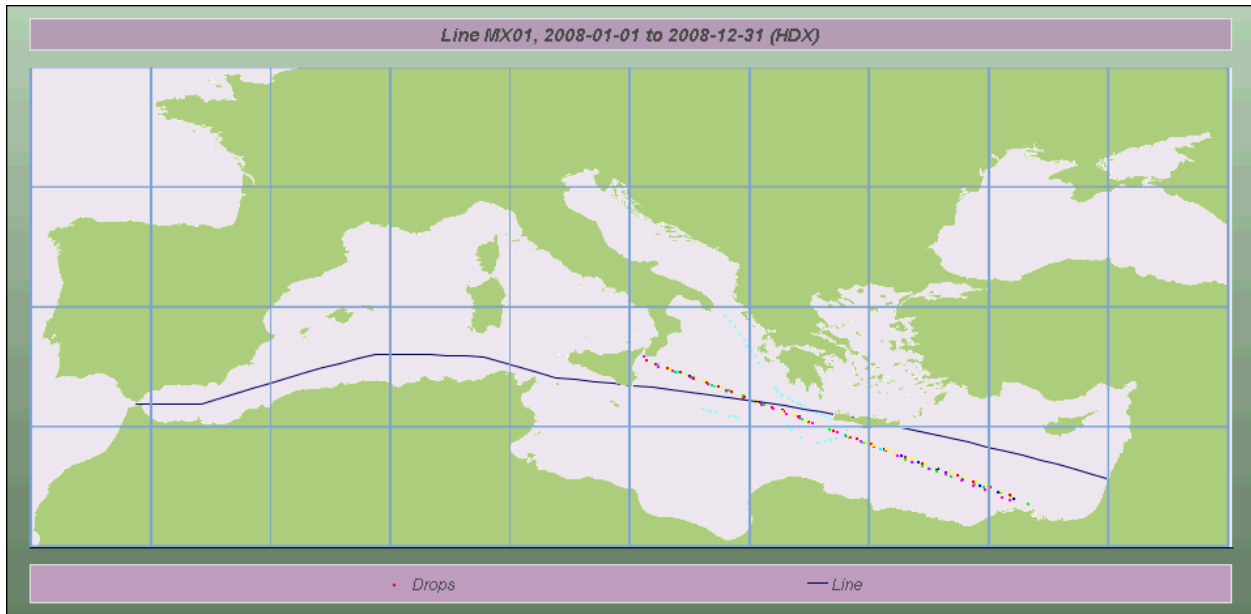


| IX31 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 143.05E | 13 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 138.05E | 15 | 0 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 21 | 0 |
| 133.05E | 17 | 0 | 0 | 0 | 15 | 0 | 0 | 19 | 0 | 0 | 8 | 0 |
| 128.05E | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 13 | 0 |
| 123.05E | 10 | 0 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 13 | 0 |
| 118.05E | 12 | 0 | 0 | 0 | 16 | 0 | 0 | 17 | 0 | 0 | 12 | 0 |

MX01 Haifa-Gibraltar (HDX)

Summary of drops by SOOP operator and ship:

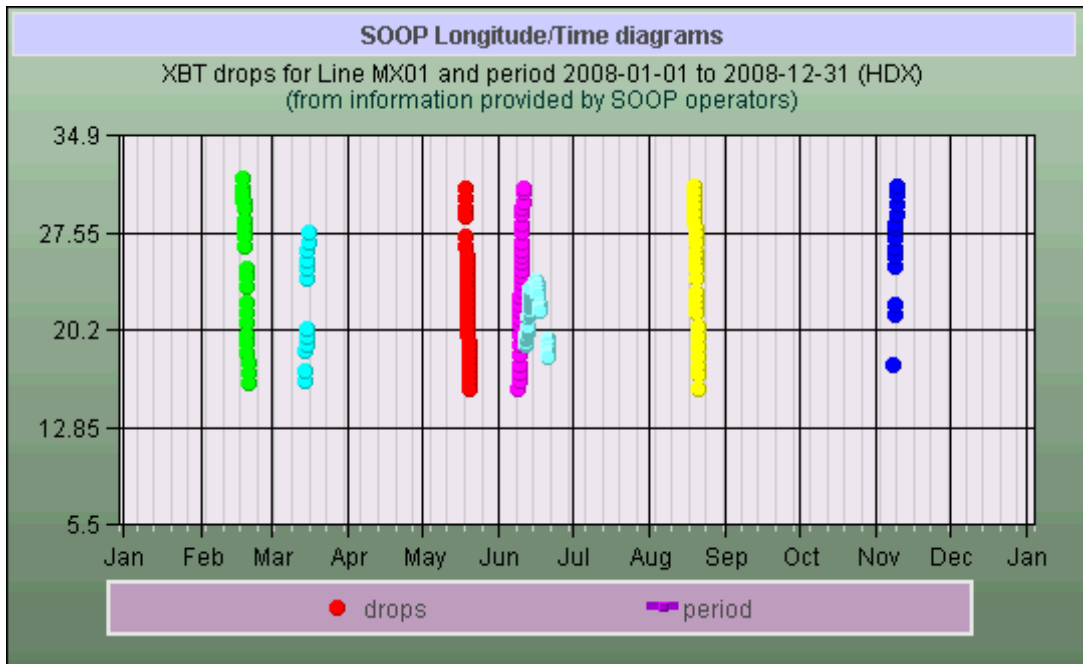
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|-------|-----------|
| SOO MFSPP | Canberra Express | DFCW2 | 14 | 1 |
| SOO MFSPP | URANIA | IQSU | 39 | 1 |
| SOO MFSPP | Wellington Express | DFCX2 | 117 | 5 |
| Total | | | 170 | 7 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|------------|------------|
| Number of boxes | 216 | 100 |
| Boxes empty | 123 | 57 |
| Boxes filled (at least 1 drop): | 93 | 43 |
| Boxes OK (1 or 2 drops): | 79 | 37 |
| Boxes oversampled (>=3 drops): | 14 | 6 |

2D space-time diagram:



| <i>MX01</i> | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|-------------|------------|------------|------------|------------|
| 34.64E | 0 | 0 | 0 | 0 |
| 34.12E | 0 | 0 | 0 | 0 |
| 33.6E | 0 | 0 | 0 | 0 |
| 33.08E | 0 | 0 | 0 | 0 |
| 32.56E | 0 | 0 | 0 | 0 |
| 32.04E | 1 | 0 | 0 | 0 |
| 31.51E | 1 | 2 | 1 | 1 |
| 30.99E | 1 | 1 | 1 | 1 |
| 30.46E | 1 | 2 | 1 | 0 |
| 29.93E | 2 | 2 | 1 | 1 |
| 29.4E | 0 | 1 | 1 | 1 |
| 28.87E | 1 | 1 | 1 | 0 |
| 28.34E | 1 | 1 | 1 | 2 |
| 27.8E | 1 | 1 | 1 | 1 |
| 27.27E | 2 | 1 | 0 | 1 |
| 26.73E | 1 | 2 | 1 | 1 |
| 26.19E | 1 | 1 | 1 | 0 |
| 25.66E | 1 | 2 | 2 | 1 |
| 25.12E | 0 | 2 | 3 | 1 |
| 24.58E | 2 | 2 | 0 | 0 |
| 24.03E | 2 | 3 | 1 | 0 |
| 23.49E | 1 | 6 | 0 | 0 |
| 22.95E | 0 | 6 | 1 | 0 |
| 22.4E | 0 | 7 | 1 | 0 |
| 21.86E | 1 | 7 | 1 | 1 |
| 21.31E | 1 | 5 | 1 | 1 |
| 20.76E | 1 | 4 | 0 | 0 |
| 20.22E | 1 | 6 | 2 | 0 |

| | | | | |
|--------|---|---|---|---|
| 19.67E | 2 | 7 | 1 | 0 |
| 19.12E | 2 | 6 | 0 | 0 |
| 18.57E | 1 | 3 | 1 | 0 |
| 18.02E | 1 | 4 | 1 | 0 |
| 17.46E | 1 | 2 | 1 | 1 |
| 16.91E | 2 | 2 | 0 | 0 |
| 16.36E | 2 | 3 | 1 | 0 |
| 15.8E | 0 | 2 | 1 | 0 |
| 15.25E | 0 | 0 | 0 | 0 |
| 14.7E | 0 | 0 | 0 | 0 |
| 14.14E | 0 | 0 | 0 | 0 |
| 13.58E | 0 | 0 | 0 | 0 |
| 13.03E | 0 | 0 | 0 | 0 |
| 12.47E | 0 | 0 | 0 | 0 |
| 11.92E | 0 | 0 | 0 | 0 |
| 11.36E | 0 | 0 | 0 | 0 |
| 10.8E | 0 | 0 | 0 | 0 |
| 10.24E | 0 | 0 | 0 | 0 |
| 9.69E | 0 | 0 | 0 | 0 |
| 9.13E | 0 | 0 | 0 | 0 |
| 8.57E | 0 | 0 | 0 | 0 |
| 8.01E | 0 | 0 | 0 | 0 |
| 7.45E | 0 | 0 | 0 | 0 |
| 6.9E | 0 | 0 | 0 | 0 |
| 6.34E | 0 | 0 | 0 | 0 |
| 5.78E | 0 | 0 | 0 | 0 |

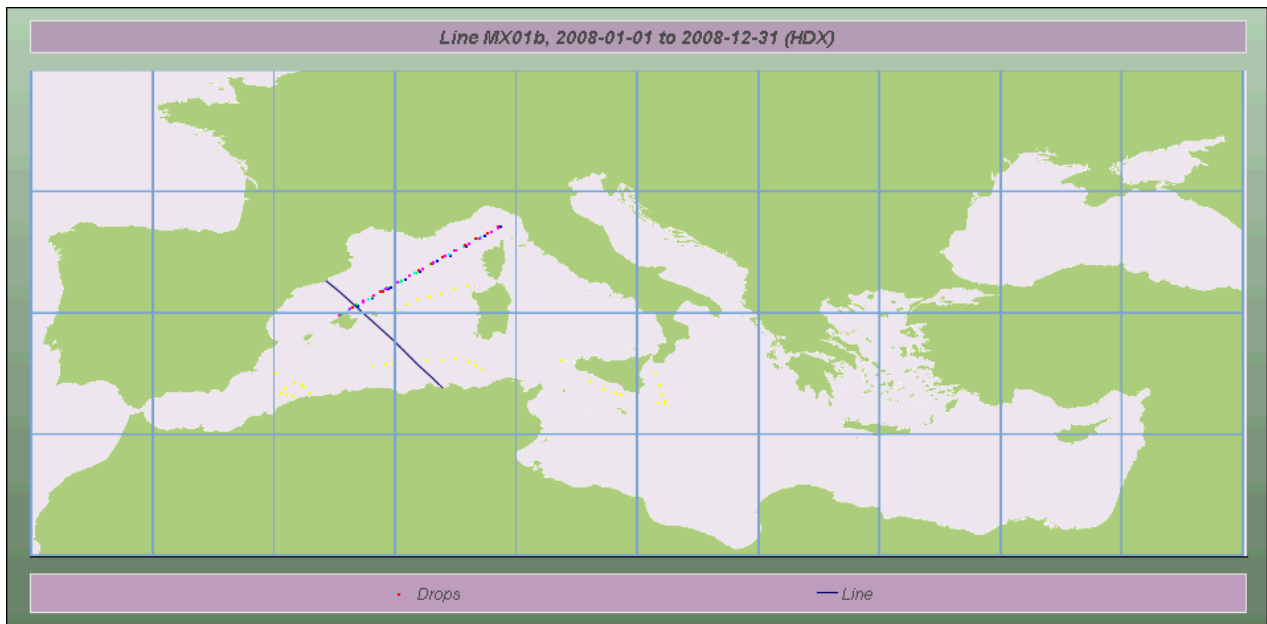
MX01a Haifa-Messina (HDX)

Not Sampled

MX01b Palermo-Gibraltar (HDX)

Summary of drops by SOOP operator and ship:

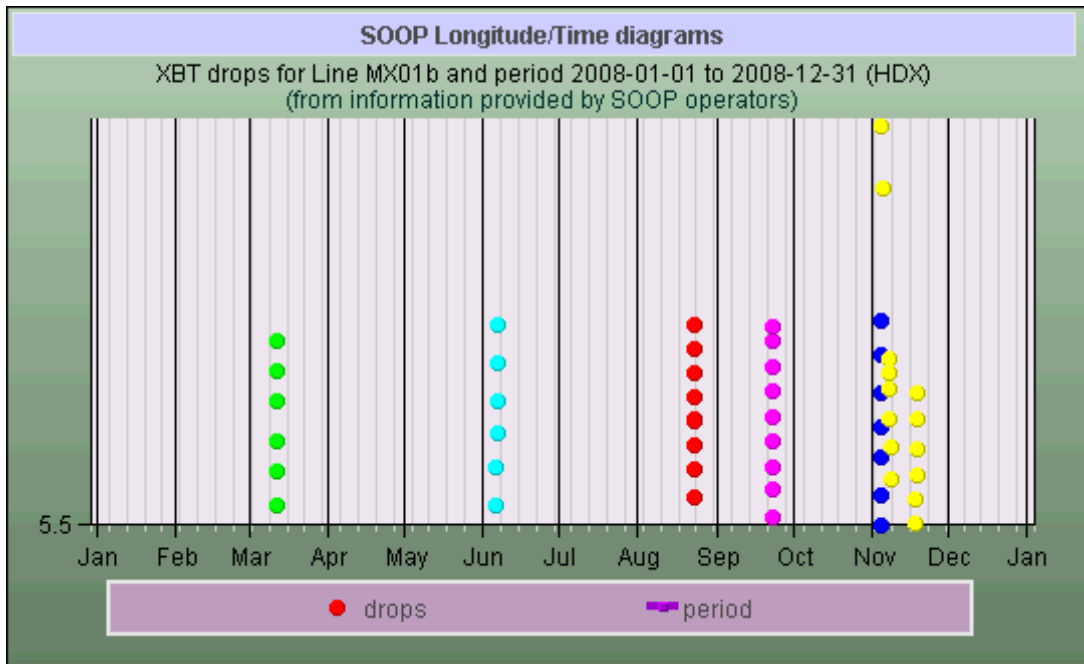
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|-------|-----------|
| SOO MFSPP | Canberra Express | DFCW2 | 11 | 1 |
| SOO MFSPP | URANIA | IQSU | 46 | 1 |
| SOO MFSPP | Wellington Express | DFCX2 | 50 | 4 |
| Total | | | 107 | 6 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|-----------|------------|
| Number of boxes | 56 | 100 |
| Boxes empty | 28 | 50 |
| Boxes filled (at least 1 drop): | 28 | 50 |
| Boxes OK (1 or 2 drops): | 16 | 29 |
| Boxes oversampled (>=3 drops): | 12 | 21 |

2D space-time diagram:



| <i>MX01b</i> | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------------|------------|------------|------------|------------|
| 12.92E | 1 | 1 | 3 | 2 |
| 12.35E | 1 | 1 | 3 | 2 |
| 11.79E | 1 | 1 | 1 | 3 |
| 11.24E | 2 | 2 | 6 | 6 |
| 10.68E | 2 | 1 | 4 | 5 |
| 10.12E | 0 | 0 | 0 | 4 |
| 9.57E | 0 | 0 | 0 | 4 |
| 9.02E | 0 | 0 | 0 | 5 |
| 8.47E | 0 | 0 | 0 | 3 |
| 7.93E | 0 | 0 | 0 | 6 |
| 7.38E | 0 | 0 | 0 | 1 |
| 6.84E | 0 | 0 | 0 | 2 |
| 6.3E | 0 | 0 | 0 | 1 |
| 5.77E | 0 | 0 | 0 | 0 |

MX02a Barcelona-Arzew (HDX)

Not Sampled

MX02b Barcelona-Skikda (HDX)

Not Sampled

MX02c Barcelona-Mersa El Brega (LDX)

Not Sampled

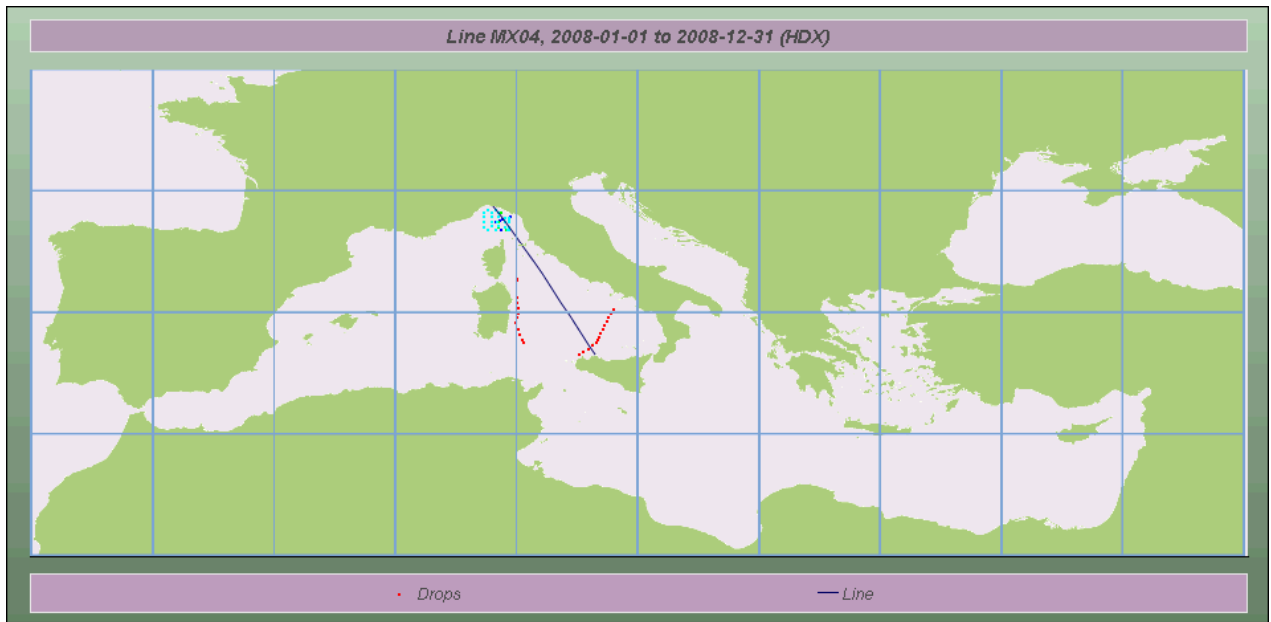
MX03 Sete-Tunis (HDX)

Not Sampled

MX04 Genova-Palermo (HDX)

Summary of drops by SOOP operator and ship:

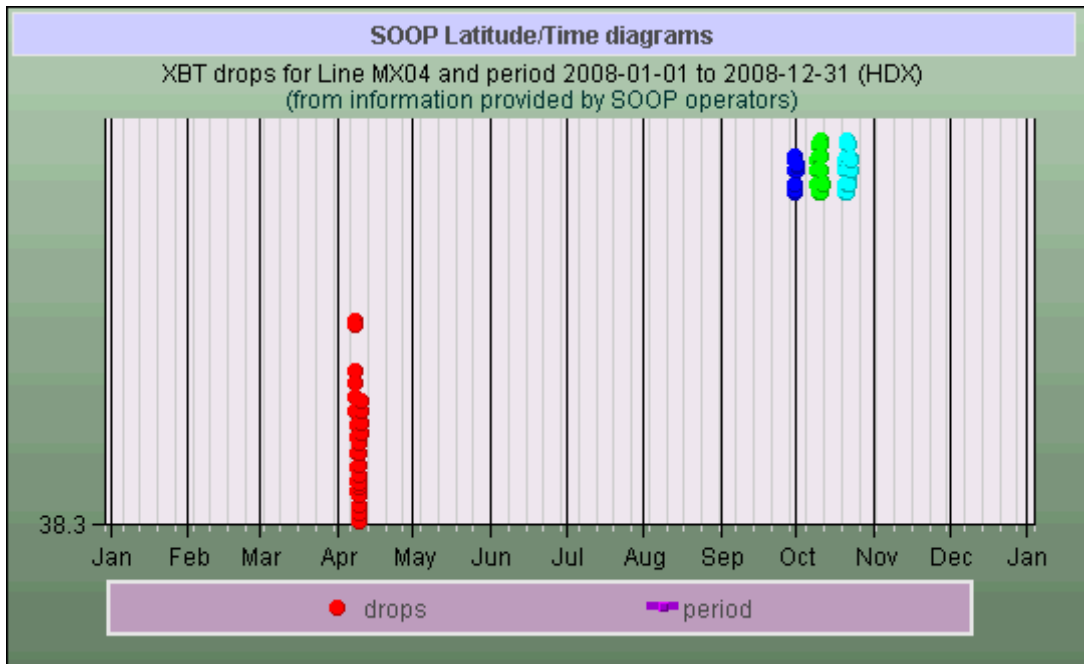
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------|----------|-------|-----------|
| SOO MFSPP | MAGNAGHI | IGMA | 59 | 3 |
| SOO MFSPP | URANIA | IQSU | 26 | 1 |
| Total | | | 85 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|-------|-----|
| Number of boxes | 64 | 100 |
| Boxes empty | 49 | 77 |
| Boxes filled (at least 1 drop): | 15 | 23 |
| Boxes OK (1 or 2 drops): | 5 | 8 |
| Boxes oversampled (>=3 drops): | 10 | 16 |

2D space-time diagram:

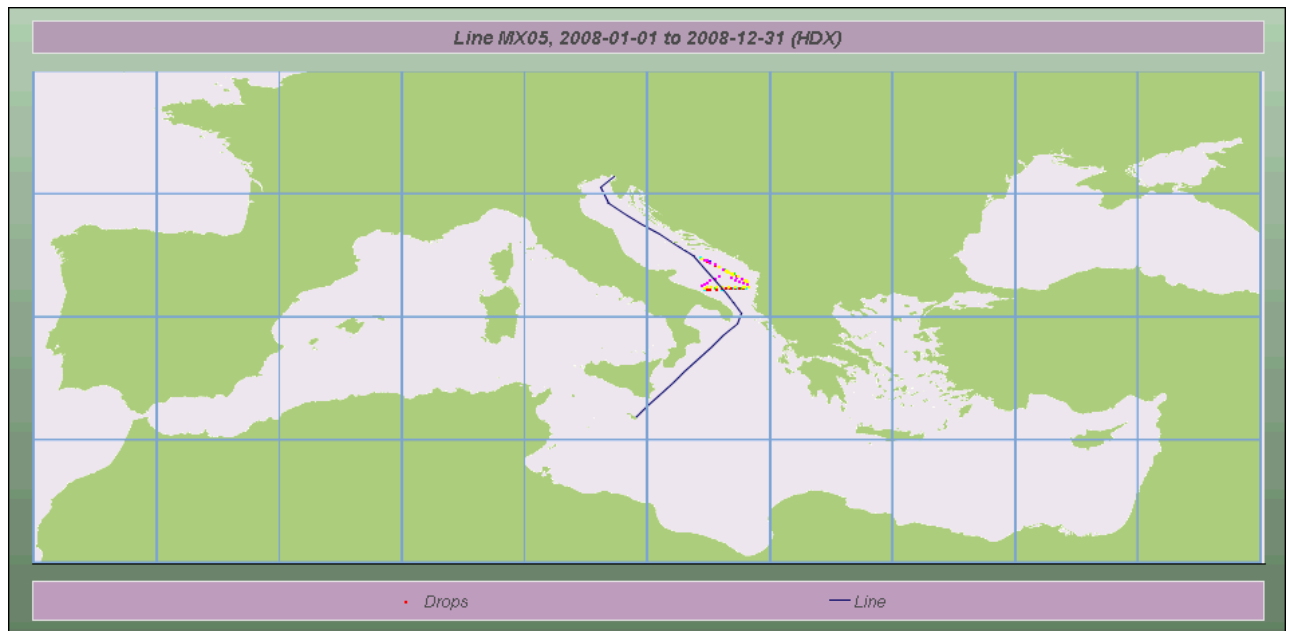


| <i>MX04</i> | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|-------------|------------|------------|------------|------------|
| 44.41N | 0 | 0 | 0 | 4 |
| 44.02N | 0 | 0 | 0 | 20 |
| 43.63N | 0 | 0 | 5 | 26 |
| 43.24N | 0 | 0 | 1 | 3 |
| 42.85N | 0 | 0 | 0 | 0 |
| 42.46N | 0 | 0 | 0 | 0 |
| 42.06N | 0 | 0 | 0 | 0 |
| 41.67N | 0 | 2 | 0 | 0 |
| 41.28N | 0 | 2 | 0 | 0 |
| 40.88N | 0 | 4 | 0 | 0 |
| 40.49N | 0 | 4 | 0 | 0 |
| 40.09N | 0 | 2 | 0 | 0 |
| 39.69N | 0 | 2 | 0 | 0 |
| 39.3N | 0 | 3 | 0 | 0 |
| 38.9N | 0 | 4 | 0 | 0 |
| 38.5N | 0 | 3 | 0 | 0 |

MX05 Ploce-Malta (HDX)

Summary of drops by SOOP operator and ship:

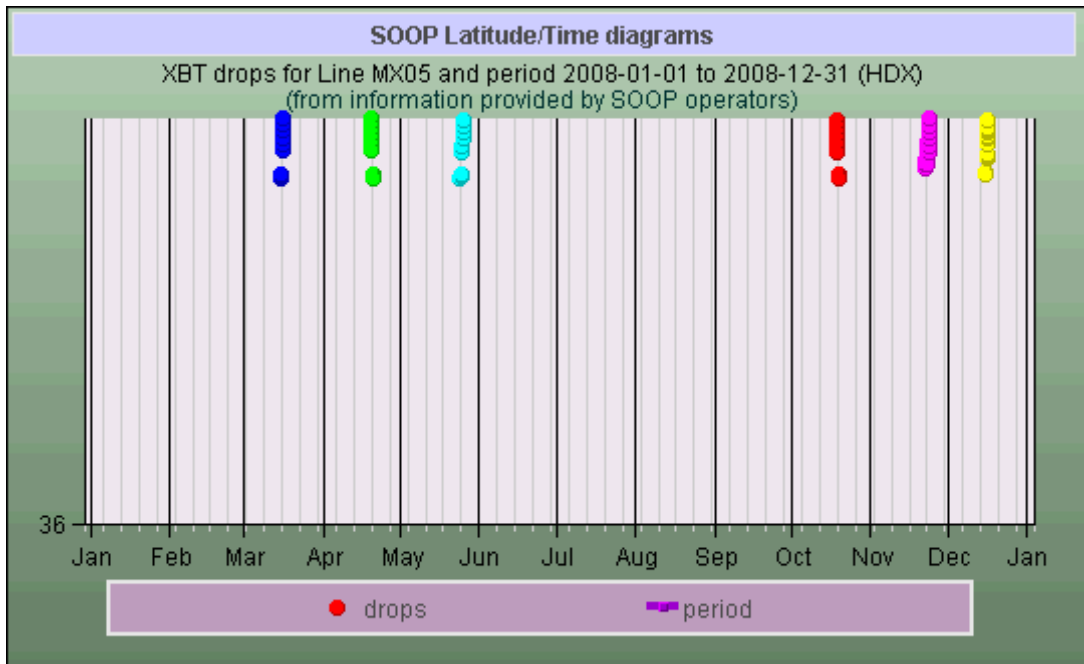
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------|----------|-------|-----------|
| SOO MFSPP | VENEZIA | C6TB5 | 133 | 6 |
| Total | | | 133 | 6 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|-----------|------------|
| Number of boxes | 60 | 100 |
| Boxes empty | 51 | 85 |
| Boxes filled (at least 1 drop): | 9 | 15 |
| Boxes OK (1 or 2 drops): | 1 | 2 |
| Boxes oversampled (>=3 drops): | 8 | 13 |

2D space-time diagram:



| <i>MX05</i> | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|-------------|------------|------------|------------|------------|
| 41.9N | 8 | 18 | 0 | 41 |
| 41.49N | 7 | 11 | 0 | 16 |
| 41.09N | 2 | 4 | 0 | 6 |
| 40.68N | 0 | 0 | 0 | 0 |
| 40.28N | 0 | 0 | 0 | 0 |
| 39.87N | 0 | 0 | 0 | 0 |
| 39.47N | 0 | 0 | 0 | 0 |
| 39.06N | 0 | 0 | 0 | 0 |
| 38.65N | 0 | 0 | 0 | 0 |
| 38.25N | 0 | 0 | 0 | 0 |
| 37.84N | 0 | 0 | 0 | 0 |
| 37.43N | 0 | 0 | 0 | 0 |
| 37.02N | 0 | 0 | 0 | 0 |
| 36.61N | 0 | 0 | 0 | 0 |
| 36.2N | 0 | 0 | 0 | 0 |

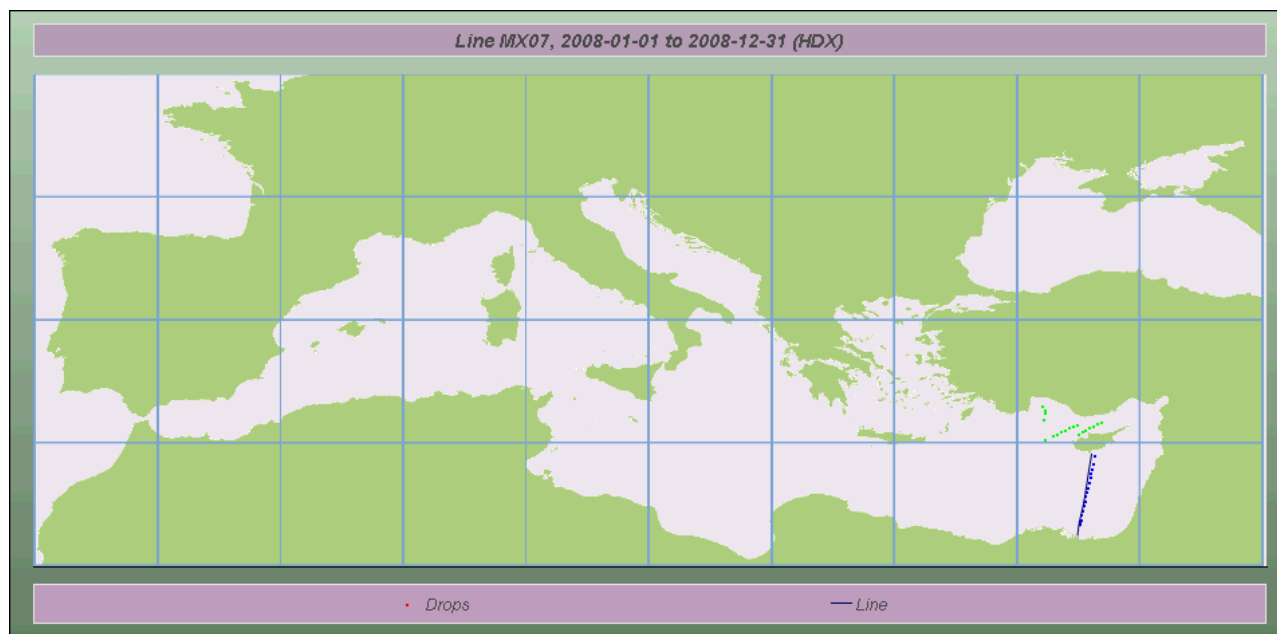
MX06 Pireus-Crete-Alessandria (HDX)

Not Sampled

MX07 P.Said-Limassol (HDX)

Summary of drops by SOOP operator and ship:

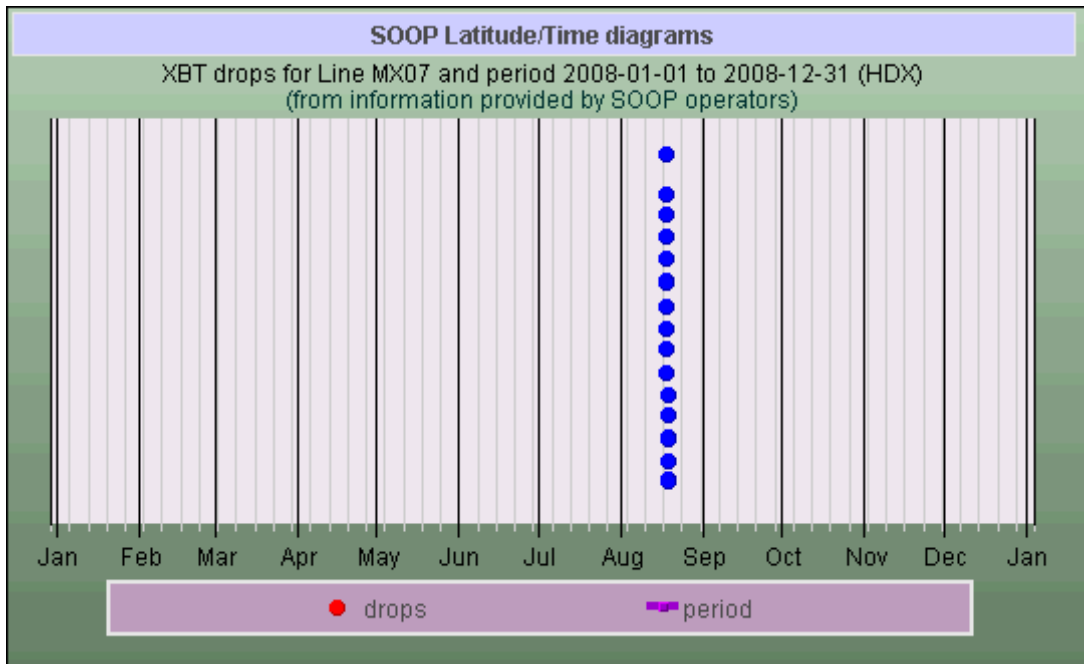
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------|----------|-------|-----------|
| SOO MFSPP | BILIM2 | TCBU3 | 19 | 1 |
| SOO MFSPP | IVORY | SVDB | 18 | 1 |
| Total | | | 37 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|--|-------|-----|
| Number of boxes | 32 | 100 |
| Boxes empty | 24 | 75 |
| Boxes filled (at least 1 drop): | 8 | 25 |
| Boxes OK (1 or 2 drops): | 4 | 13 |
| Boxes oversampled (>=3 drops): | 4 | 13 |

2D space-time diagram:



| <i>MX07</i> | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|-------------|------------|------------|------------|------------|
| 34.59N | 0 | 0 | 1 | 0 |
| 34.16N | 0 | 0 | 1 | 0 |
| 33.74N | 0 | 0 | 3 | 0 |
| 33.31N | 0 | 0 | 3 | 0 |
| 32.89N | 0 | 0 | 2 | 0 |
| 32.46N | 0 | 0 | 3 | 0 |
| 32.04N | 0 | 0 | 3 | 0 |
| 31.61N | 0 | 0 | 2 | 0 |

MX09 (LDX)

Not Sampled

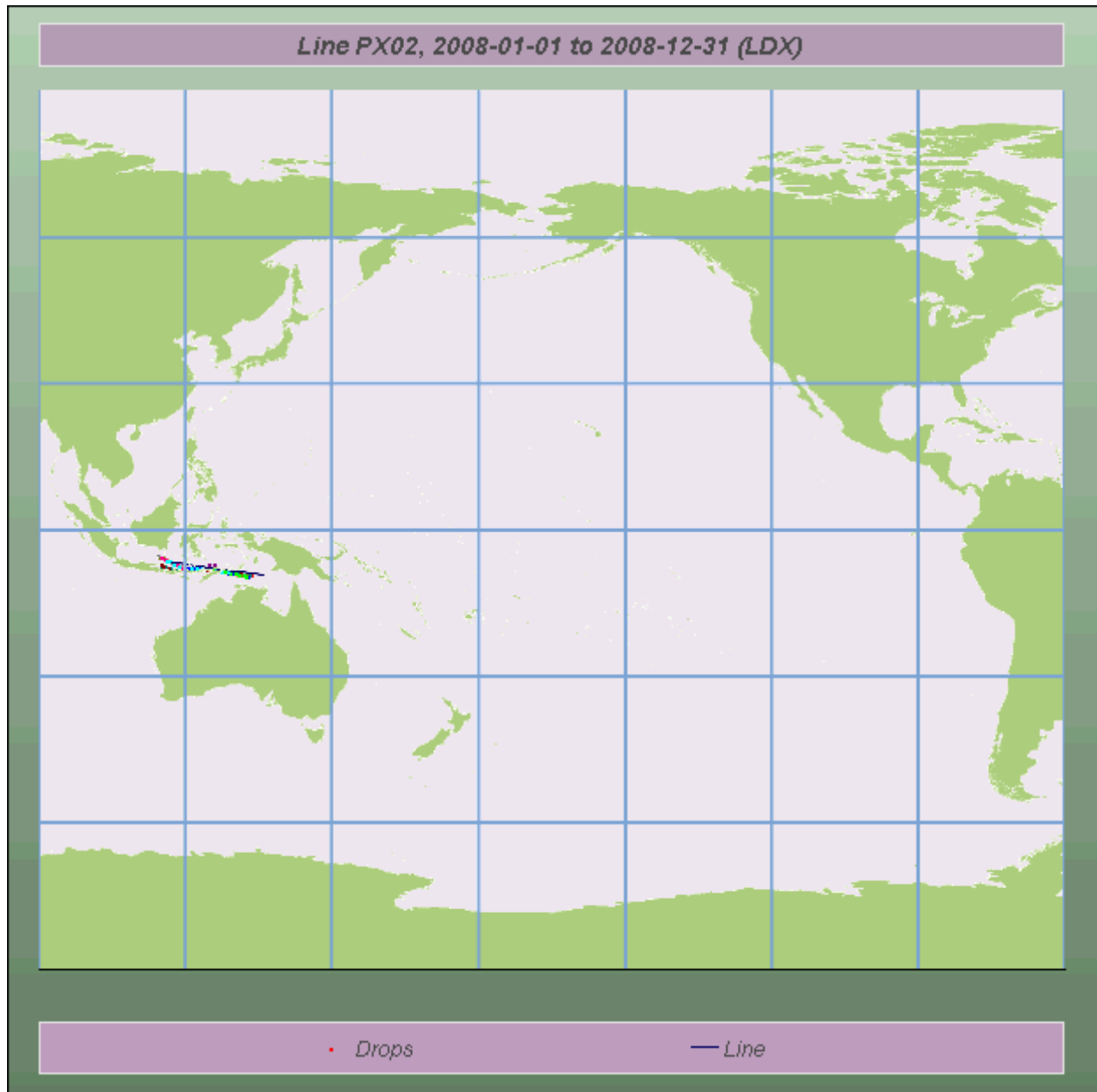
PX01 Seattle/Vancouver - Indonesia (LDX)

Not Sampled

PX02 Flores Sea - Torres Strait (LDX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

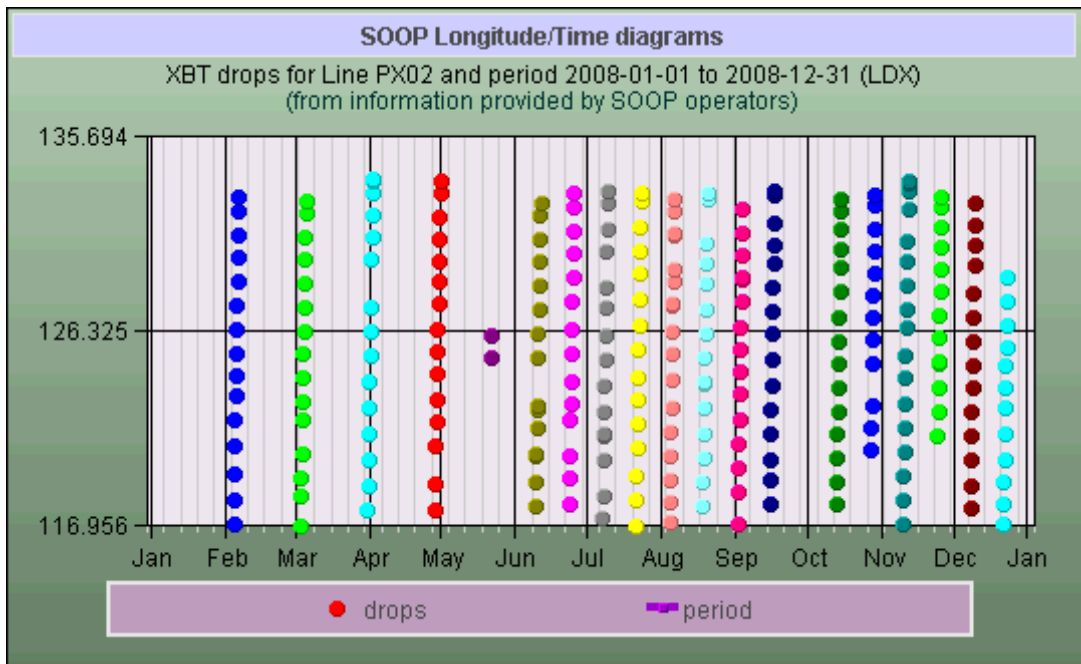
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------|----------|-------|-----------|
| SOO BOM | WANA BHUM | HSB3403 | 115 | 8 |
| SOO BOM | XUTRA BHUM | HSB3402 | 205 | 11 |
| Total | | | 320 | 19 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 48 | 100 |
| Boxes empty | 7 | 15 |
| Boxes filled (at least 1 drop): | 41 | 85 |
| Boxes OK (1 or 2 drops): | 4 | 8 |
| Boxes oversampled (>=3 drops): | 37 | 77 |

2D space-time diagram:



| PX02 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 134.4 6E | 0 | 2 | 2 | 7 | 0 | 3 | 4 | 4 | 3 | 6 | 7 | 1 |
| 129.4 6E | 0 | 4 | 5 | 9 | 0 | 9 | 8 | 10 | 10 | 10 | 10 | 6 |
| 124.4 6E | 0 | 5 | 6 | 9 | 2 | 8 | 8 | 10 | 9 | 9 | 9 | 11 |
| 119.4 6E | 0 | 7 | 12 | 7 | 0 | 14 | 15 | 14 | 13 | 10 | 9 | 13 |

PX03 Coral Sea (LDX)

Not Sampled

PX04 Japan - Kiribati - Fiji/Samoa (FRX, Thermal review FRX)

Not Sampled

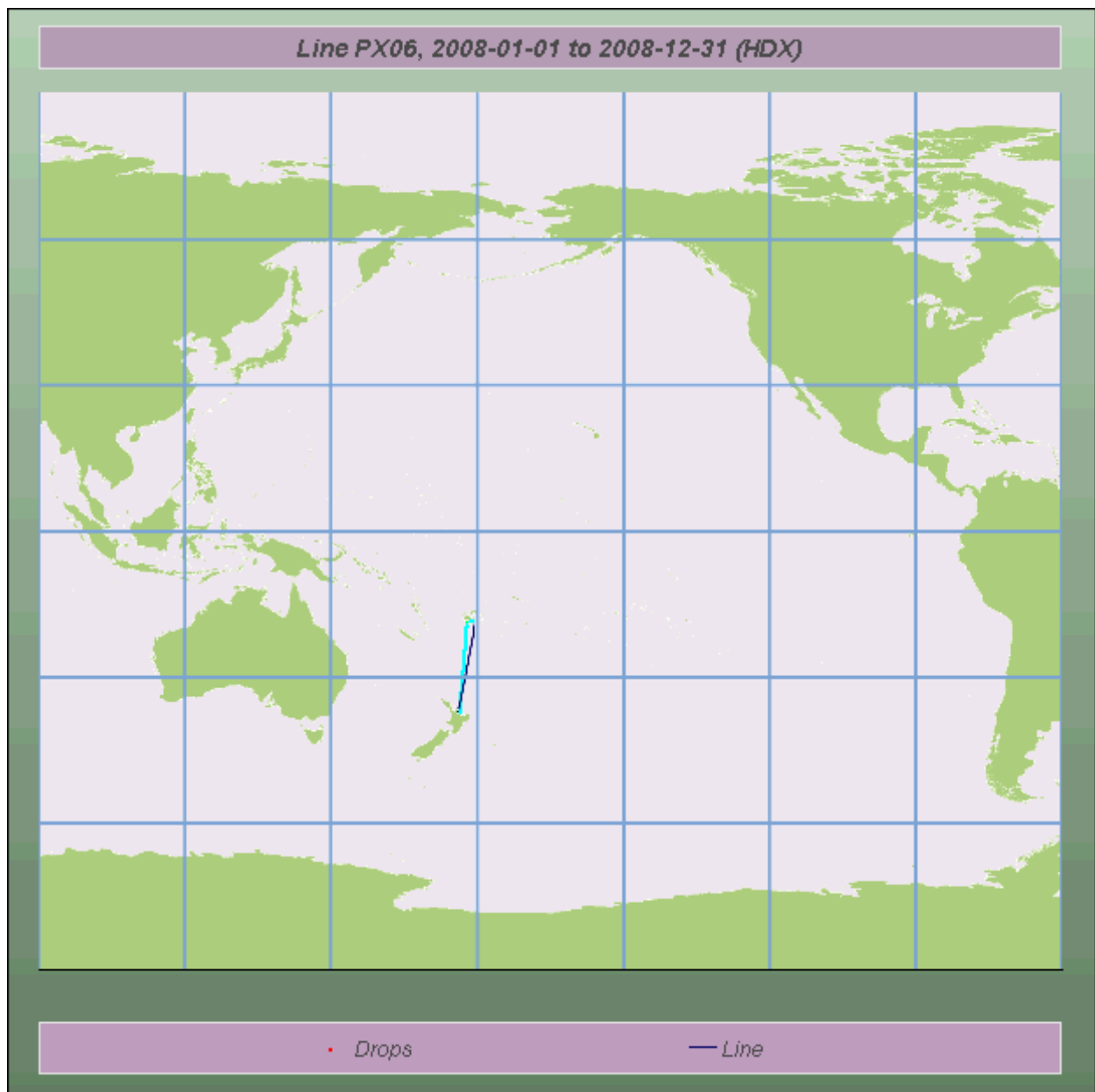
PX05 Japan - New Zealand (FRX, Thermal review FHD)

Not Sampled

PX06 Suva, Fiji - Auckland, New Zealand (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

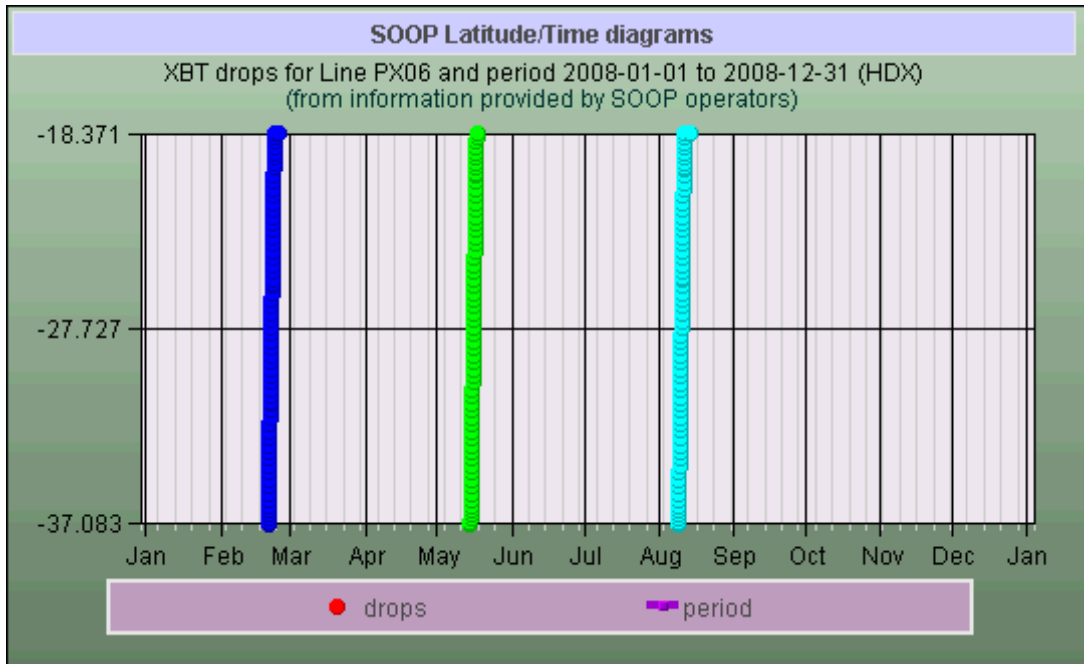
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|-------|-----------|
| SOO SEAS/SIO | MAERSK NEW ORLEANS | ELZY3 | 214 | 3 |
| Total | | | 214 | 3 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 168 | 100 |
| Boxes empty | 42 | 25 |
| Boxes filled (at least 1 drop): | 126 | 75 |
| Boxes OK (1 or 2 drops): | 116 | 69 |
| Boxes oversampled (>=3 drops): | 10 | 6 |

2D space-time diagram:



| PX06 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 18.59S | 2 | 2 | 1 | 0 |
| 19.04S | 1 | 1 | 2 | 0 |
| 19.49S | 2 | 2 | 3 | 0 |
| 19.93S | 2 | 2 | 3 | 0 |
| 20.38S | 1 | 2 | 1 | 0 |
| 20.83S | 1 | 2 | 1 | 0 |
| 21.27S | 2 | 2 | 2 | 0 |
| 21.72S | 1 | 1 | 1 | 0 |
| 22.16S | 1 | 1 | 1 | 0 |
| 22.61S | 2 | 2 | 2 | 0 |
| 23.06S | 1 | 1 | 1 | 0 |
| 23.5S | 2 | 2 | 2 | 0 |
| 23.95S | 1 | 1 | 2 | 0 |
| 24.4S | 1 | 1 | 1 | 0 |
| 24.84S | 2 | 2 | 2 | 0 |
| 25.29S | 1 | 1 | 2 | 0 |
| 25.73S | 2 | 1 | 1 | 0 |
| 26.18S | 2 | 2 | 2 | 0 |
| 26.62S | 1 | 1 | 1 | 0 |
| 27.07S | 1 | 1 | 1 | 0 |

| | | | | |
|--------|---|---|---|---|
| 27.52S | 2 | 2 | 2 | 0 |
| 27.96S | 1 | 1 | 1 | 0 |
| 28.41S | 1 | 1 | 1 | 0 |
| 28.85S | 2 | 2 | 2 | 0 |
| 29.3S | 1 | 1 | 2 | 0 |
| 29.74S | 1 | 1 | 1 | 0 |
| 30.19S | 2 | 2 | 2 | 0 |
| 30.63S | 1 | 1 | 1 | 0 |
| 31.08S | 2 | 1 | 1 | 0 |
| 31.52S | 2 | 3 | 2 | 0 |
| 31.97S | 1 | 1 | 1 | 0 |
| 32.41S | 1 | 1 | 2 | 0 |
| 32.86S | 2 | 2 | 1 | 0 |
| 33.3S | 1 | 1 | 1 | 0 |
| 33.75S | 2 | 2 | 2 | 0 |
| 34.19S | 1 | 1 | 1 | 0 |
| 34.64S | 2 | 1 | 1 | 0 |
| 35.08S | 3 | 2 | 2 | 0 |
| 35.53S | 1 | 1 | 1 | 0 |
| 35.97S | 2 | 2 | 2 | 0 |
| 36.42S | 5 | 4 | 4 | 0 |
| 36.86S | 3 | 4 | 5 | 0 |

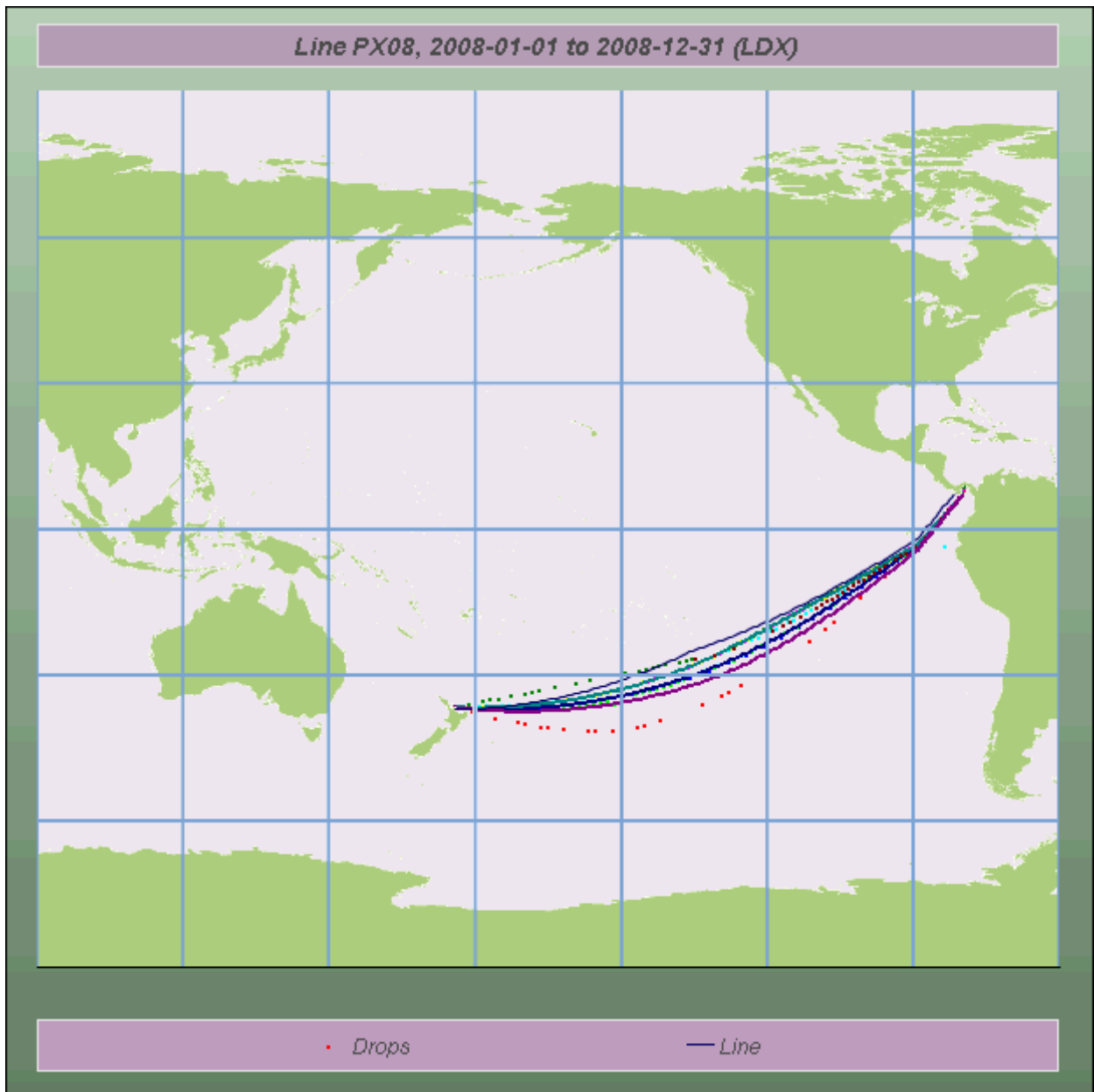
PX07 Auckland - Seattle/Vancouver, B.C. (LDX)

Not Sampled

PX08 Auckland, New Zealand – Panama (LDX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

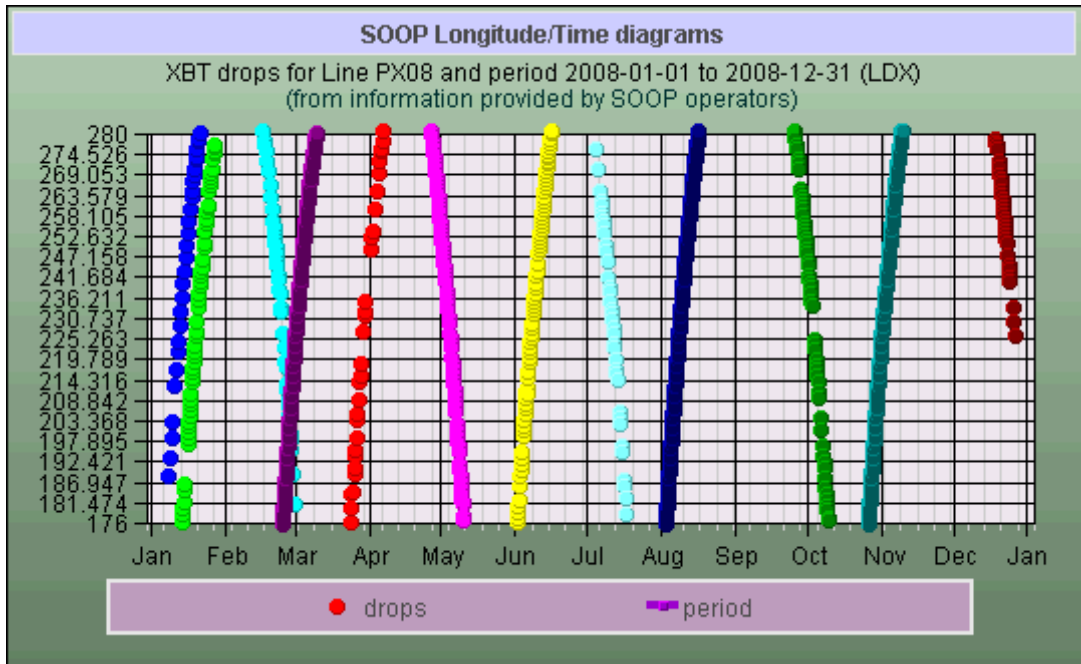
| Program | ShipName | CallSign | Drops | Transects |
|--------------|----------------------------|----------|-------|-----------|
| SOO SEAS/SIO | JOSEPHINE MAERSK (DENMARK) | OWKF2 | 871 | 10 |
| SOO SEAS/SIO | NICOLAI MAERSK () | OVZB2 | 31 | 1 |
| SOO SEAS/SIO | NORA MAERSK () | OZWP2 | 234 | 1 |
| Total | | | 1136 | 12 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 252 | 100 |
| Boxes empty | 61 | 24 |
| Boxes filled (at least 1 drop): | 191 | 76 |
| Boxes OK (1 or 2 drops): | 48 | 19 |
| Boxes oversampled (>=3 drops): | 143 | 57 |

2D space-time diagram:



| PX08 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 278.5E | 5 | 3 | 23 | 7 | 0 | 4 | 0 | 26 | 7 | 0 | 22 | 3 |
| 273.5E | 6 | 2 | 28 | 7 | 0 | 6 | 1 | 23 | 3 | 0 | 23 | 2 |
| 268.5E | 9 | 2 | 12 | 5 | 0 | 5 | 1 | 13 | 1 | 0 | 11 | 4 |
| 263.5E | 3 | 1 | 12 | 6 | 0 | 4 | 2 | 11 | 4 | 0 | 11 | 4 |
| 258.5E | 6 | 1 | 11 | 5 | 0 | 5 | 4 | 10 | 3 | 0 | 11 | 4 |
| 253.5E | 3 | 4 | 10 | 6 | 0 | 4 | 2 | 12 | 5 | 0 | 8 | 5 |
| 248.5E | 5 | 3 | 11 | 1 | 5 | 4 | 2 | 11 | 1 | 2 | 12 | 2 |
| 243.5E | 4 | 3 | 12 | 0 | 4 | 3 | 2 | 10 | 0 | 3 | 11 | 3 |
| 238.5E | 4 | 3 | 8 | 0 | 3 | 4 | 2 | 8 | 0 | 4 | 8 | 1 |
| 233.5E | 5 | 2 | 10 | 0 | 3 | 4 | 3 | 8 | 0 | 2 | 8 | 1 |
| 228.5E | 3 | 7 | 4 | 0 | 3 | 3 | 3 | 8 | 0 | 0 | 8 | 1 |

| | | | | | | | | | | | | |
|------------|---|----|---|---|---|---|---|----|---|----|---|---|
| 223. 5E | 5 | 8 | 0 | 0 | 3 | 4 | 2 | 7 | 0 | 3 | 7 | 1 |
| 218. 5E | 4 | 10 | 1 | 0 | 3 | 2 | 2 | 11 | 0 | 4 | 7 | 0 |
| 213. 5E | 4 | 9 | 2 | 0 | 4 | 3 | 2 | 7 | 0 | 10 | 0 | 0 |
| 208. 5E | 3 | 11 | 1 | 0 | 3 | 5 | 0 | 8 | 0 | 12 | 0 | 0 |
| 203. 5E | 5 | 9 | 2 | 0 | 2 | 3 | 3 | 7 | 0 | 9 | 0 | 0 |
| 198. 5E | 4 | 10 | 1 | 0 | 3 | 2 | 1 | 8 | 0 | 11 | 0 | 0 |
| 193. 5E | 1 | 8 | 2 | 0 | 3 | 3 | 1 | 7 | 0 | 10 | 0 | 0 |
| 188. 5E | 2 | 10 | 2 | 0 | 3 | 2 | 1 | 9 | 0 | 11 | 0 | 0 |
| 183. 5E | 2 | 11 | 2 | 0 | 3 | 2 | 2 | 11 | 0 | 14 | 0 | 0 |
| 178. 5E | 3 | 19 | 2 | 0 | 4 | 4 | 1 | 21 | 0 | 26 | 0 | 0 |

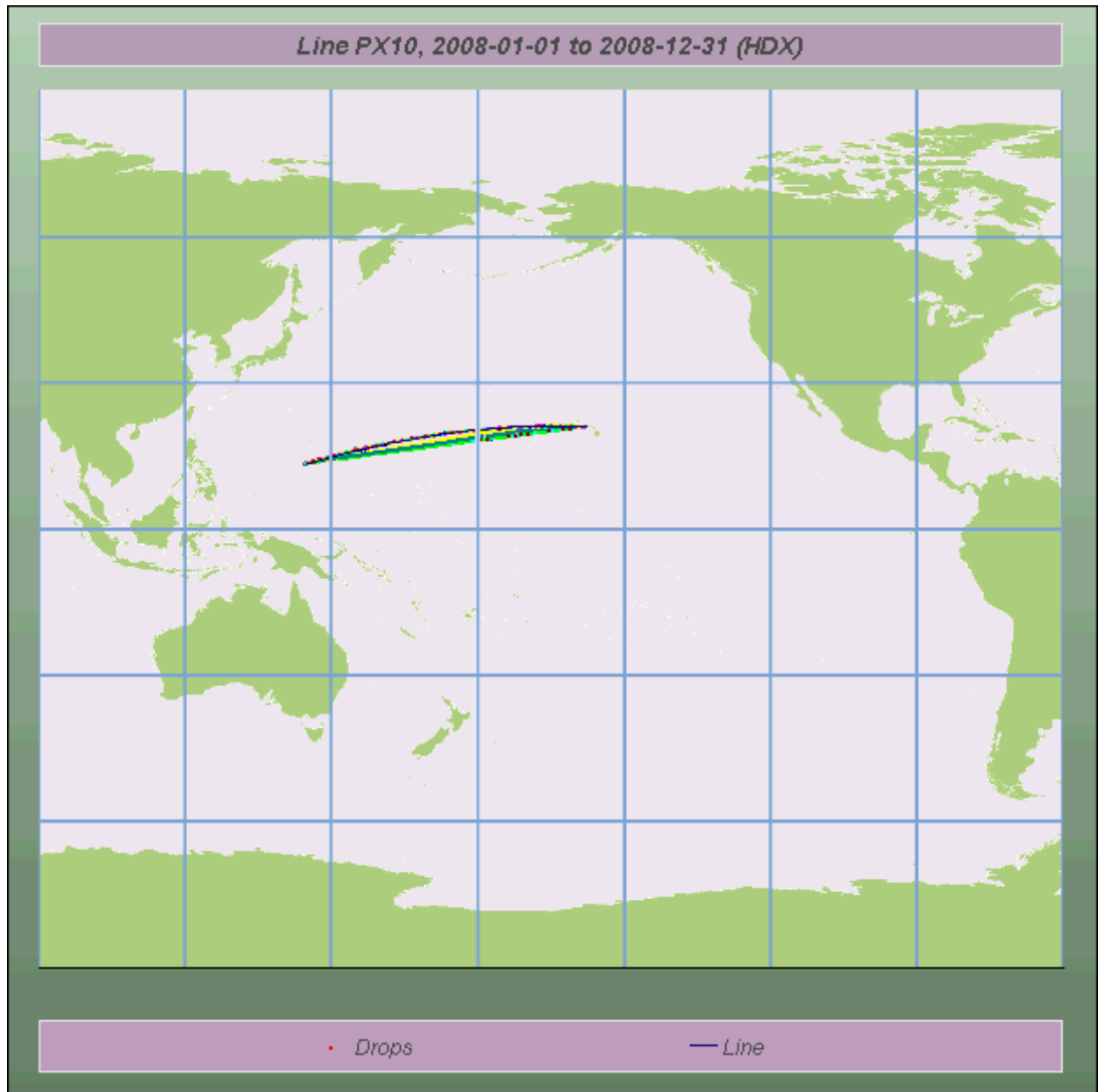
PX09 Hawaii - Fiji/Auckland (FHD, Thermal review FHD)

Not Sampled

PX10 Hawaii - Guam/Saipan (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

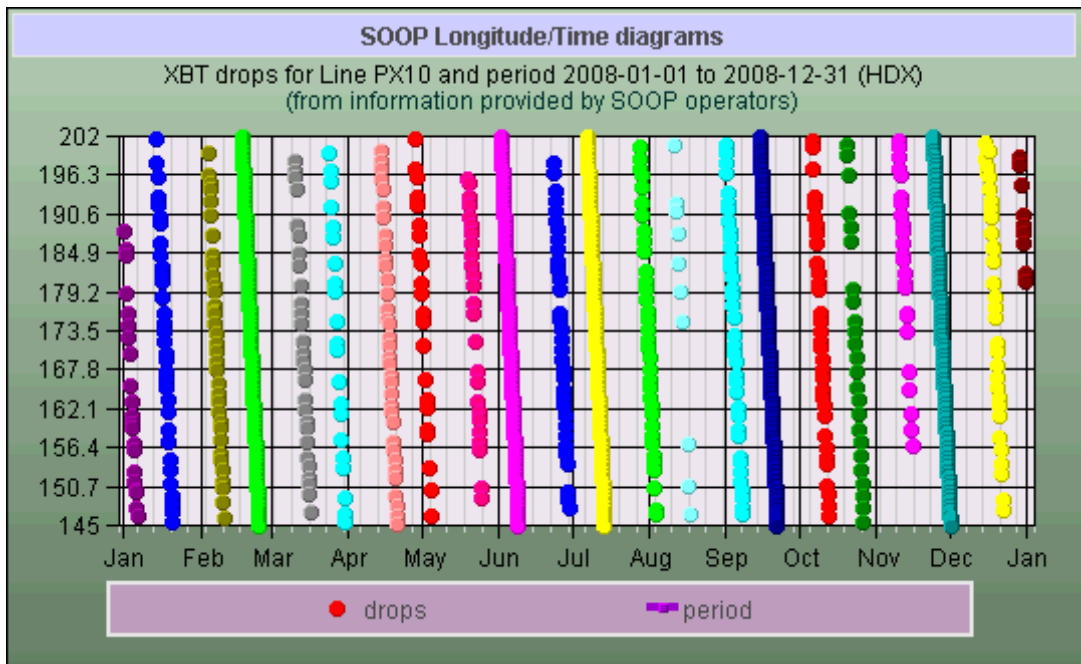
| Program | ShipName | CallSign | Drops | Transects |
|--------------|---------------|----------|-------|-----------|
| SOO SEAS/SIO | HORIZON TIGER | WDD6042 | 340 | 11 |
| SOO SEAS/SIO | Horizon Hawk | WDD6033 | 761 | 11 |
| Total | | | 1101 | 22 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 484 | 100 |
| Boxes empty | 8 | 2 |
| Boxes filled (at least 1 drop): | 476 | 98 |
| Boxes OK (1 or 2 drops): | 302 | 62 |
| Boxes oversampled (>=3 drops): | 174 | 36 |

2D space-time diagram:



| PX10 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 158.24W | 3 | 3 | 4 | 3 |
| 158.72W | 2 | 2 | 4 | 4 |
| 159.21W | 1 | 1 | 4 | 3 |
| 159.69W | 2 | 2 | 5 | 4 |
| 160.17W | 1 | 2 | 3 | 2 |
| 160.65W | 3 | 1 | 2 | 4 |
| 161.14W | 1 | 1 | 3 | 3 |
| 161.62W | 3 | 1 | 1 | 0 |
| 162.1W | 0 | 3 | 2 | 2 |
| 162.59W | 1 | 2 | 3 | 4 |
| 163.07W | 3 | 3 | 2 | 1 |
| 163.55W | 3 | 1 | 4 | 4 |
| 164.04W | 2 | 4 | 2 | 2 |
| 164.52W | 2 | 1 | 2 | 1 |
| 165W | 2 | 2 | 3 | 2 |
| 165.49W | 3 | 2 | 2 | 2 |
| 165.97W | 1 | 2 | 3 | 1 |
| 166.45W | 1 | 1 | 2 | 1 |
| 166.94W | 2 | 3 | 2 | 3 |
| 167.42W | 2 | 2 | 4 | 2 |
| 167.9W | 2 | 2 | 3 | 3 |
| 168.39W | 2 | 3 | 2 | 2 |

| | | | | |
|---------|---|---|---|---|
| 168.87W | 1 | 2 | 4 | 2 |
| 169.35W | 2 | 1 | 3 | 2 |
| 169.84W | 2 | 3 | 2 | 4 |
| 170.32W | 1 | 2 | 3 | 1 |
| 170.8W | 3 | 3 | 2 | 3 |
| 171.28W | 2 | 1 | 2 | 3 |
| 171.77W | 2 | 2 | 4 | 2 |
| 172.25W | 2 | 3 | 4 | 4 |
| 172.73W | 3 | 3 | 3 | 1 |
| 173.21W | 0 | 2 | 2 | 2 |
| 173.7W | 2 | 3 | 3 | 3 |
| 174.18W | 1 | 2 | 3 | 2 |
| 174.66W | 2 | 2 | 2 | 2 |
| 175.14W | 3 | 2 | 1 | 2 |
| 175.62W | 3 | 1 | 2 | 1 |
| 176.1W | 1 | 3 | 3 | 2 |
| 176.58W | 4 | 4 | 3 | 3 |
| 177.06W | 1 | 1 | 3 | 1 |
| 177.55W | 2 | 2 | 3 | 1 |
| 178.03W | 1 | 4 | 2 | 3 |
| 178.51W | 3 | 1 | 3 | 0 |
| 178.99W | 1 | 3 | 3 | 1 |
| 179.47W | 3 | 3 | 2 | 4 |
| 179.94W | 3 | 1 | 2 | 2 |
| 179.58E | 1 | 2 | 5 | 4 |
| 179.1E | 4 | 3 | 2 | 1 |
| 178.62E | 2 | 1 | 3 | 1 |
| 178.14E | 1 | 1 | 3 | 3 |
| 177.66E | 1 | 2 | 2 | 1 |
| 177.18E | 2 | 1 | 3 | 1 |
| 176.71E | 1 | 2 | 3 | 1 |
| 176.23E | 4 | 4 | 1 | 3 |
| 175.75E | 3 | 1 | 2 | 3 |
| 175.28E | 1 | 3 | 4 | 1 |
| 174.8E | 2 | 3 | 3 | 3 |
| 174.33E | 5 | 0 | 1 | 1 |
| 173.85E | 1 | 1 | 3 | 1 |
| 173.37E | 1 | 2 | 2 | 4 |
| 172.9E | 3 | 1 | 3 | 1 |
| 172.43E | 2 | 3 | 2 | 1 |
| 171.95E | 2 | 2 | 3 | 2 |
| 171.48E | 4 | 3 | 2 | 3 |
| 171E | 2 | 2 | 4 | 2 |
| 170.53E | 3 | 1 | 2 | 2 |
| 170.06E | 3 | 1 | 4 | 1 |
| 169.59E | 1 | 3 | 3 | 2 |
| 169.12E | 3 | 1 | 2 | 1 |
| 168.64E | 2 | 2 | 2 | 1 |
| 168.17E | 1 | 1 | 2 | 2 |
| 167.7E | 3 | 2 | 3 | 3 |
| 167.23E | 2 | 2 | 3 | 2 |
| 166.76E | 1 | 2 | 2 | 2 |
| 166.29E | 3 | 3 | 2 | 2 |

| | | | | |
|---------|---|---|---|---|
| 165.83E | 3 | 2 | 3 | 1 |
| 165.36E | 2 | 1 | 3 | 3 |
| 164.89E | 2 | 2 | 4 | 3 |
| 164.42E | 2 | 2 | 2 | 1 |
| 163.96E | 1 | 2 | 2 | 1 |
| 163.49E | 1 | 3 | 3 | 4 |
| 163.02E | 4 | 2 | 2 | 0 |
| 162.56E | 2 | 3 | 2 | 3 |
| 162.09E | 2 | 2 | 3 | 1 |
| 161.63E | 3 | 3 | 2 | 2 |
| 161.16E | 3 | 2 | 2 | 5 |
| 160.7E | 1 | 1 | 5 | 1 |
| 160.24E | 3 | 3 | 2 | 1 |
| 159.77E | 2 | 0 | 1 | 1 |
| 159.31E | 4 | 2 | 3 | 2 |
| 158.85E | 2 | 3 | 3 | 2 |
| 158.39E | 1 | 2 | 2 | 1 |
| 157.93E | 1 | 2 | 4 | 3 |
| 157.47E | 4 | 3 | 2 | 1 |
| 157.01E | 2 | 1 | 4 | 2 |
| 156.55E | 1 | 2 | 2 | 2 |
| 156.09E | 2 | 3 | 1 | 3 |
| 155.63E | 2 | 1 | 2 | 1 |
| 155.17E | 2 | 2 | 6 | 2 |
| 154.71E | 3 | 0 | 1 | 2 |
| 154.26E | 2 | 2 | 4 | 1 |
| 153.8E | 2 | 2 | 2 | 3 |
| 153.35E | 3 | 2 | 2 | 1 |
| 152.89E | 2 | 2 | 4 | 2 |
| 152.44E | 2 | 1 | 2 | 2 |
| 151.98E | 2 | 1 | 2 | 1 |
| 151.53E | 1 | 2 | 2 | 1 |
| 151.07E | 3 | 2 | 3 | 2 |
| 150.62E | 3 | 1 | 2 | 1 |
| 150.17E | 3 | 3 | 4 | 1 |
| 149.72E | 2 | 1 | 1 | 2 |
| 149.26E | 2 | 2 | 3 | 2 |
| 148.81E | 2 | 2 | 2 | 1 |
| 148.36E | 2 | 2 | 2 | 2 |
| 147.91E | 2 | 2 | 2 | 2 |
| 147.46E | 2 | 2 | 4 | 2 |
| 147.01E | 4 | 1 | 2 | 2 |
| 146.57E | 2 | 3 | 5 | 2 |
| 146.12E | 4 | 2 | 4 | 2 |
| 145.67E | 6 | 4 | 8 | 5 |
| 145.22E | 4 | 5 | 8 | 4 |

PX11 Flores Sea – Japan (FRX, Thermal review FRX)

Not Sampled

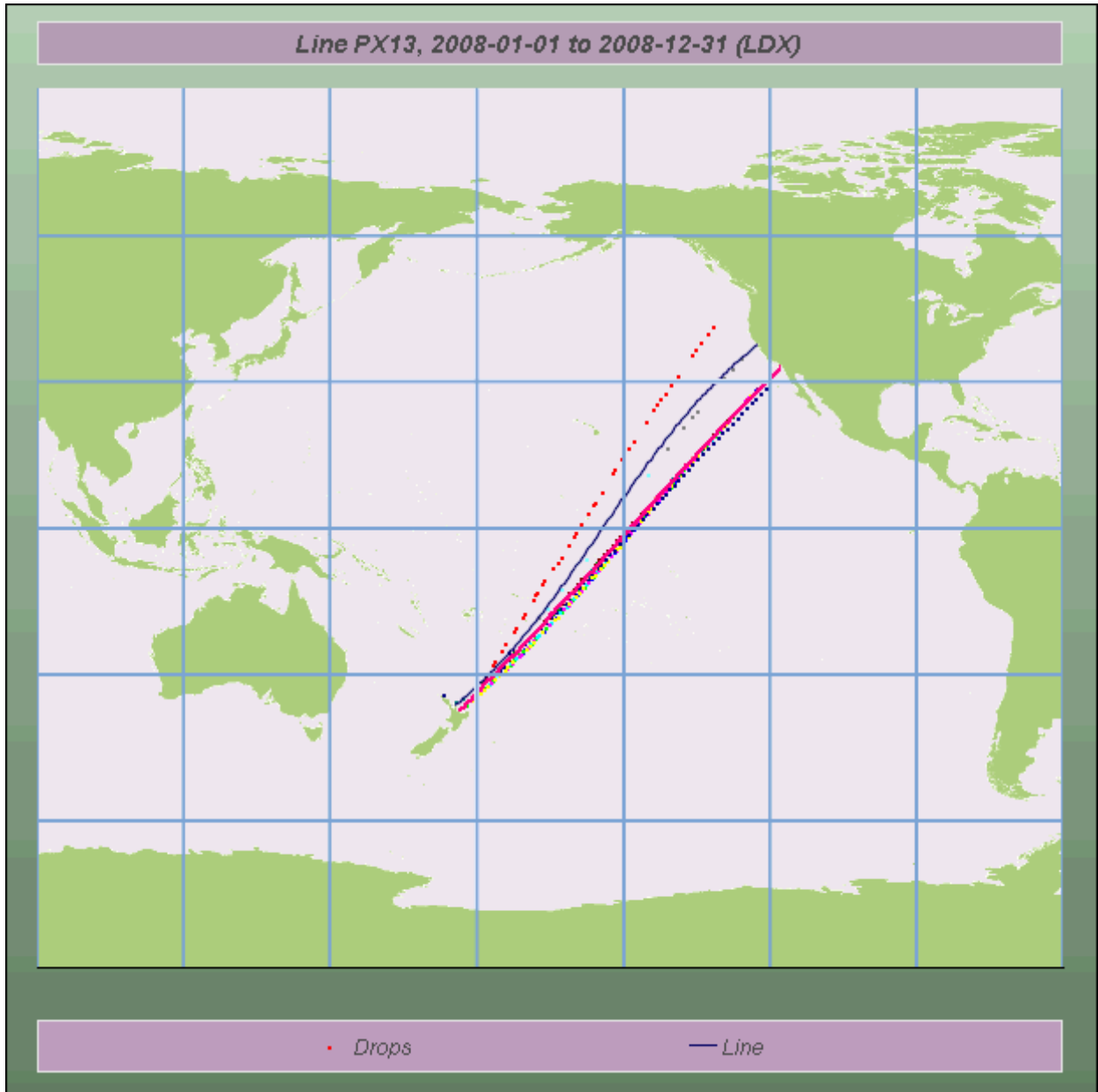
PX12 Tahiti – Noumea (LDX)

Not Sampled

PX13 New Zealand – California (LDX, Thermal review FRX)

Summary of drops by SOOP operator and ship:

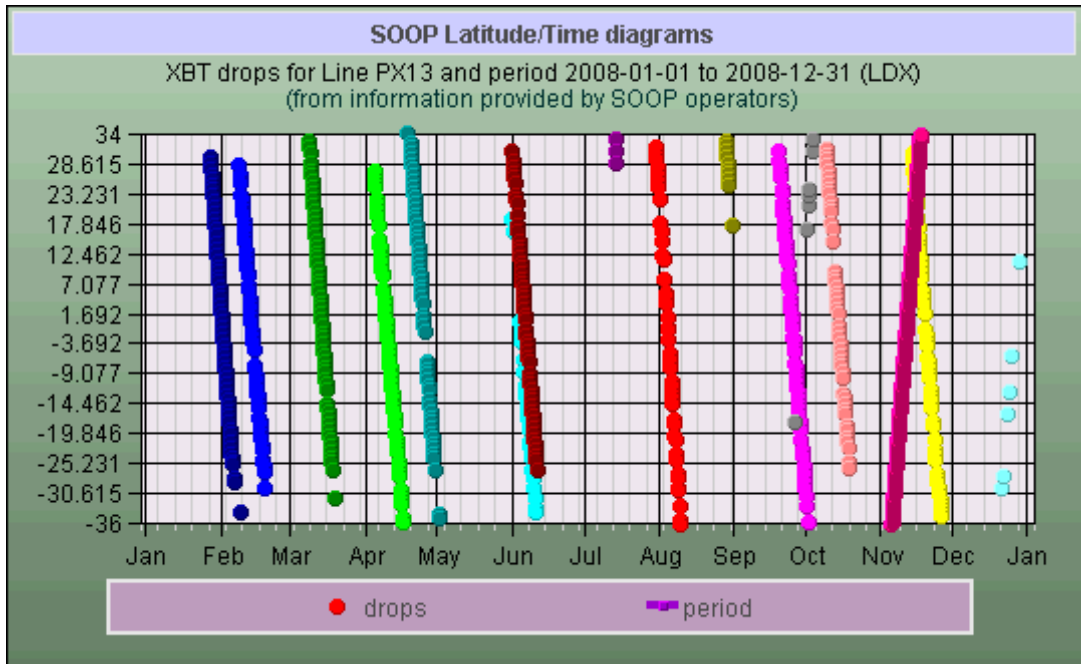
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------------|----------|-------|-----------|
| SOO SEAS/SIO | DIRECT CONDOR (LIBERIA) | A8AL3 | 307 | 7 |
| SOO SEAS/SIO | MAERSK NEW ORLEANS | ELZY3 | 549 | 9 |
| Total | | | 856 | 16 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 624 | 100 |
| Boxes empty | 244 | 39 |
| Boxes filled (at least 1 drop): | 380 | 61 |
| Boxes OK (1 or 2 drops): | 279 | 45 |
| Boxes oversampled (>=3 drops): | 101 | 16 |

2D space-time diagram:



| PX1 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 33.47N | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 |
| 32.12N | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 0 |
| 30.77N | 0 | 0 | 2 | 2 | 0 | 1 | 2 | 1 | 1 | 2 | 5 | 0 |
| 29.43N | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 5 | 0 |
| 28.08N | 2 | 1 | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 1 | 4 | 0 |
| 26.73N | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 1 | 1 | 2 | 6 | 0 |
| 25.38N | 1 | 2 | 1 | 3 | 0 | 3 | 1 | 1 | 1 | 1 | 5 | 0 |
| 24.03N | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 2 | 4 | 0 |
| 22.68N | 1 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 6 | 0 |
| 21.33N | 1 | 2 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 3 | 7 | 0 |
| 19.98N | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 0 |
| 18.63N | 1 | 1 | 1 | 4 | 0 | 2 | 0 | 0 | 1 | 0 | 5 | 0 |
| 17.2 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 2 | 2 | 5 | 0 |

| | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|----|---|
| 8N | | | | | | | | | | | | |
| 15.9 4N | 2 | 1 | 2 | 3 | 0 | 2 | 0 | 1 | 2 | 1 | 4 | 0 |
| 14.5 9N | 1 | 2 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 1 | 5 | 0 |
| 13.2 4N | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 0 |
| 11.8 9N | 1 | 2 | 2 | 3 | 0 | 2 | 0 | 2 | 2 | 0 | 4 | 0 |
| 10.5 4N | 2 | 1 | 1 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 1 |
| 9.19 N | 0 | 3 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 1 | 6 | 0 |
| 7.84 N | 0 | 2 | 2 | 3 | 0 | 1 | 0 | 1 | 2 | 2 | 7 | 0 |
| 6.49 N | 0 | 3 | 1 | 2 | 0 | 2 | 0 | 0 | 2 | 1 | 5 | 0 |
| 5.14 N | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 7 | 0 |
| 3.79 N | 0 | 3 | 2 | 3 | 0 | 2 | 0 | 1 | 2 | 2 | 8 | 0 |
| 2.45 N | 0 | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 0 |
| 1.1N | 0 | 3 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 1 | 8 | 0 |
| 0.25 S | 0 | 2 | 2 | 3 | 0 | 2 | 0 | 0 | 1 | 1 | 9 | 0 |
| 1.6S | 0 | 3 | 1 | 2 | 0 | 2 | 0 | 2 | 1 | 1 | 10 | 0 |
| 2.95 S | 0 | 3 | 1 | 2 | 0 | 3 | 0 | 1 | 2 | 1 | 6 | 0 |
| 4.3S | 0 | 2 | 1 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 7 | 0 |
| 5.65 S | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 4 | 1 |
| 7S | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 1 | 1 | 1 | 7 | 0 |
| 8.35 S | 0 | 3 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 2 | 5 | 0 |
| 9.69 S | 0 | 4 | 1 | 3 | 0 | 2 | 0 | 0 | 2 | 1 | 6 | 0 |
| 11.0 4S | 0 | 1 | 2 | 3 | 0 | 2 | 0 | 2 | 1 | 0 | 4 | 0 |
| 12.3 9S | 0 | 3 | 1 | 3 | 0 | 2 | 0 | 1 | 2 | 1 | 5 | 1 |
| 13.7 4S | 0 | 3 | 0 | 2 | 0 | 4 | 0 | 1 | 1 | 1 | 8 | 0 |
| 15.0 9S | 0 | 3 | 2 | 3 | 0 | 1 | 0 | 1 | 2 | 1 | 5 | 0 |
| 16.4 4S | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 0 | 1 | 2 | 4 | 1 |
| 17.7 9S | 0 | 5 | 2 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | 6 | 0 |
| 19.1 4S | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 1 | 2 | 5 | 0 |
| 20.4 9S | 0 | 4 | 1 | 4 | 0 | 1 | 0 | 2 | 0 | 1 | 5 | 0 |
| 21.8 4S | 0 | 2 | 2 | 2 | 0 | 4 | 0 | 0 | 1 | 1 | 4 | 0 |
| 23.1 8S | 0 | 3 | 1 | 4 | 0 | 2 | 0 | 1 | 1 | 1 | 6 | 0 |
| 24.5 3S | 0 | 2 | 1 | 1 | 0 | 3 | 0 | 2 | 2 | 1 | 5 | 0 |
| 25.8 8S | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 0 |

| | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|----|---|
| 27.2 3S | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 1 | 1 | 0 | 5 | 1 |
| 28.5 8S | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 0 |
| 29.9 3S | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 5 | 1 |
| 31.2 8S | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 0 |
| 32.6 3S | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 |
| 33.9 8S | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 6 | 0 |
| 35.3 3S | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 1 | 15 | 0 |

PX14 Alaska - Cape Horn (FRX)

Not Sampled

PX15 Ecuador - Japan (LDX)

Not Sampled

PX16 Peru - Hawaii (LDX)

Not Sampled

PX17 Tahiti/Maura - Panama (FRX, Thermal review FRX)

Not Sampled

PX18 Tahiti - California (FRX, Thermal review FRX)

Not Sampled

PX20 California - Panama (LDX)

Not Sampled

PX21 California - Chile (LDX, Thermal review FRX)

Not Sampled

PX22 Panama - Valpariso (LDX)

Not Sampled

PX23 Panama - 115W (LDX)

Not Sampled

PX24 Panama - Indonesia (LDX)

Not Sampled

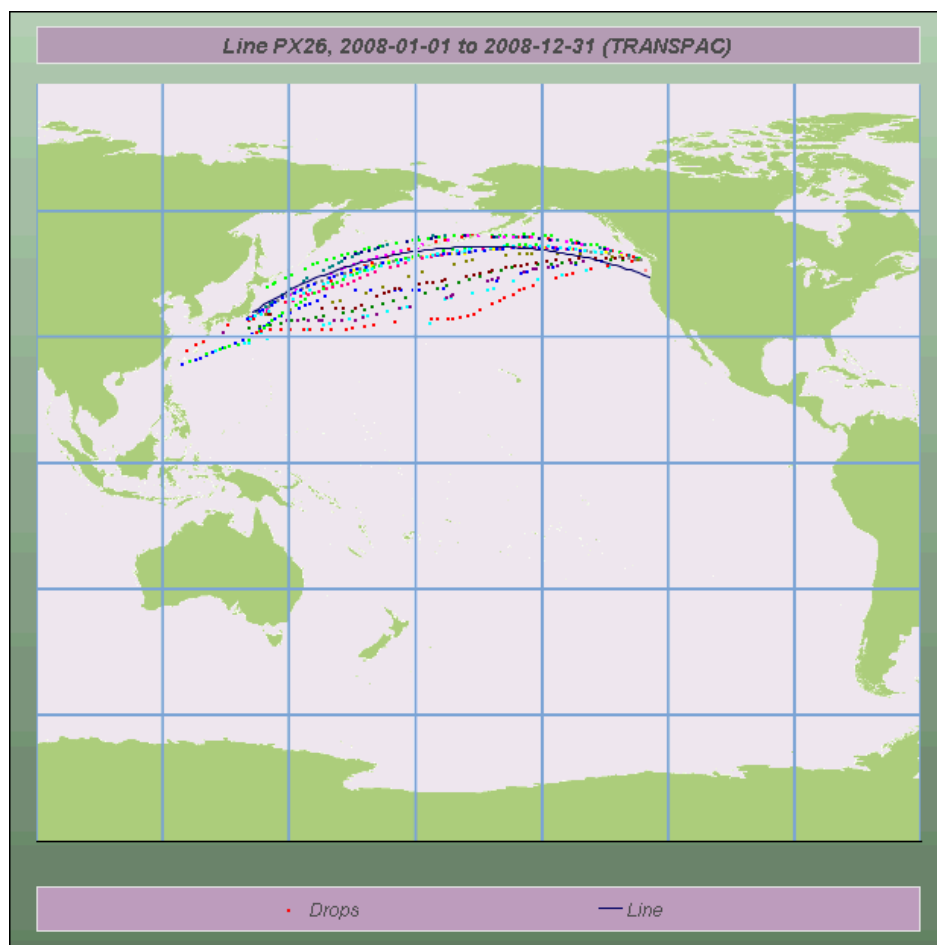
PX25 Coronel, Chile - Japan (LDX)

Not Sampled

PX26 Trans Pacific (TRANSPAC)

Summary of drops by SOOP operator and ship:

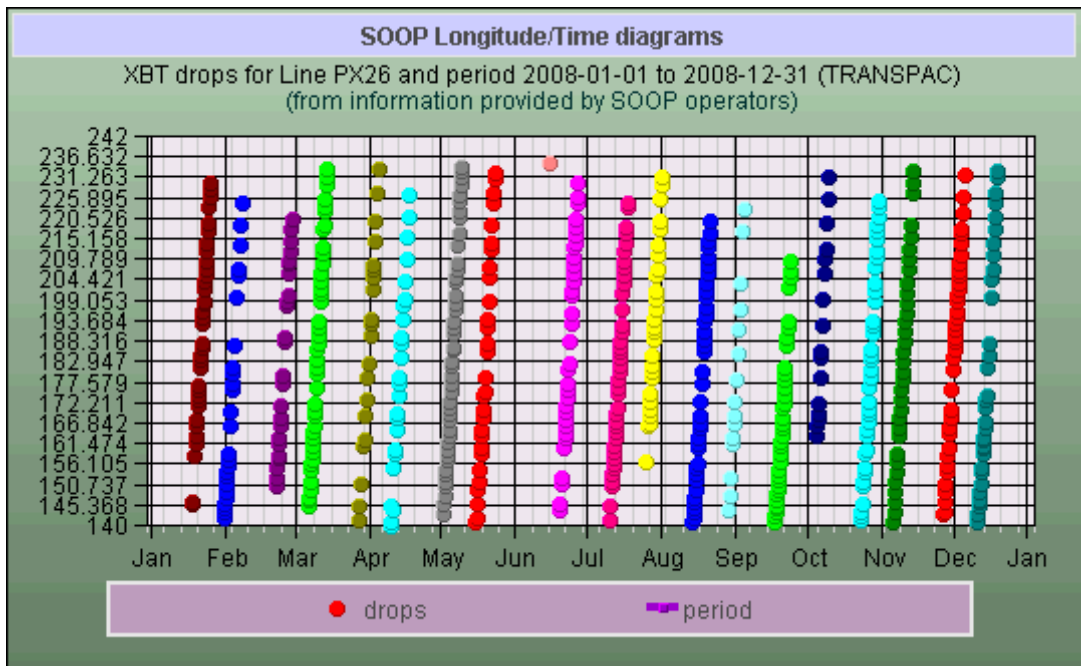
| Program | ShipName | CallSign | Drops | Transects |
|--------------|---------------|----------|-------|-----------|
| SOO SEAS/SIO | HORIZON TIGER | WDD6042 | 322 | 10 |
| SOO SEAS/SIO | Horizon Hawk | WDD6033 | 297 | 10 |
| Total | | | 619 | 20 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 360 | 100 |
| Boxes empty | 91 | 25 |
| Boxes filled (at least 1 drop): | 269 | 75 |
| Boxes OK (1 or 2 drops): | 178 | 49 |
| Boxes oversampled (>=3 drops): | 91 | 25 |

2D space-time diagram:



| PX 26 | 11/01/2008 | 31/01/2008 | 20/02/2008 | 12/03/2008 | 01/04/2008 | 21/04/2008 | 11/05/2008 | 01/06/2008 | 21/06/2008 | 11/07/2008 | 01/08/2008 | 21/08/2008 | 10/09/2008 | 30/09/2008 | 21/10/2008 | 10/11/2008 | 30/11/2008 | 21/12/2008 |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 23 7.5 E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 2.5 E | 0 | 0 | 0 | 3 | 1 | 0 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 2 |
| 22 7.5 E | 0 | 3 | 0 | 1 | 1 | 1 | 2 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| 22 2.5 E | 0 | 2 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 2 |
| 21 7.5 E | 0 | 3 | 2 | 2 | 2 | 0 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 |
| 21 2.5 E | 0 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 2 | 2 | 2 |
| 20 7.5 E | 0 | 5 | 3 | 2 | 2 | 1 | 3 | 0 | 3 | 2 | 1 | 3 | 0 | 4 | 2 | 2 | 2 | 1 |
| 20 2.5 E | 0 | 2 | 0 | 3 | 2 | 1 | 4 | 0 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 |
| 19 | 0 | 4 | 3 | 1 | 0 | 2 | 4 | 0 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 1 |

| | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.5 E | | | | | | | | | | | | | | | | | | |
| 19 2.5 E | 0 | 2 | 0 | 2 | 2 | 1 | 4 | 0 | 1 | 2 | 3 | 3 | 1 | 3 | 2 | 2 | 3 | 0 |
| 18 7.5 E | 0 | 3 | 3 | 3 | 1 | 2 | 4 | 0 | 1 | 2 | 1 | 3 | 0 | 2 | 2 | 2 | 3 | 1 |
| 18 2.5 E | 0 | 4 | 0 | 2 | 1 | 1 | 3 | 0 | 2 | 3 | 2 | 0 | 1 | 3 | 3 | 1 | 2 | 2 |
| 17 7.5 E | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 0 | 1 | 3 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | 0 |
| 17 2.5 E | 4 | 0 | 1 | 1 | 1 | 1 | 5 | 0 | 3 | 2 | 2 | 1 | 2 | 4 | 1 | 3 | 1 | 3 |
| 16 7.5 E | 2 | 2 | 2 | 3 | 1 | 2 | 4 | 0 | 3 | 3 | 4 | 2 | 2 | 6 | 3 | 3 | 2 | 2 |
| 16 2.5 E | 2 | 0 | 2 | 3 | 3 | 1 | 5 | 0 | 3 | 3 | 0 | 5 | 3 | 1 | 2 | 1 | 2 | 3 |
| 15 7.5 E | 1 | 2 | 2 | 3 | 0 | 2 | 5 | 0 | 0 | 3 | 1 | 2 | 2 | 0 | 2 | 2 | 1 | 2 |
| 15 2.5 E | 0 | 4 | 2 | 2 | 1 | 1 | 5 | 0 | 2 | 3 | 0 | 4 | 3 | 0 | 3 | 2 | 3 | 3 |
| 14 7.5 E | 2 | 3 | 1 | 3 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 4 | 4 | 0 | 2 | 2 | 2 | 3 |
| 14 2.5 E | 0 | 5 | 0 | 1 | 6 | 0 | 4 | 0 | 3 | 2 | 0 | 5 | 7 | 0 | 3 | 2 | 5 | 3 |

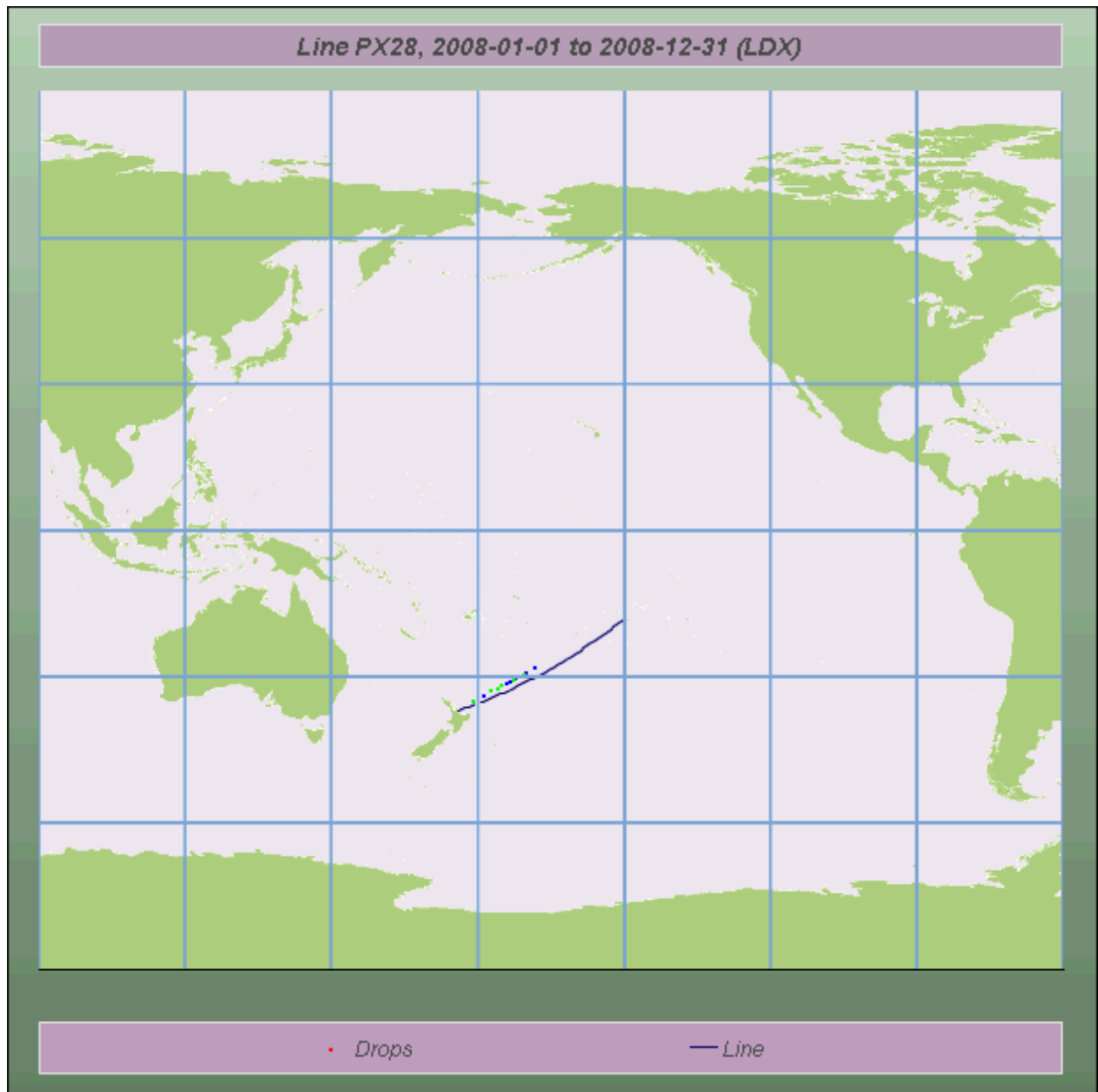
PX27 Guayaquil - Galapagos (LDX)

Not Sampled

PX28 Tahiti - Sydney/Auckland (LDX)

Summary of drops by SOOP operator and ship:

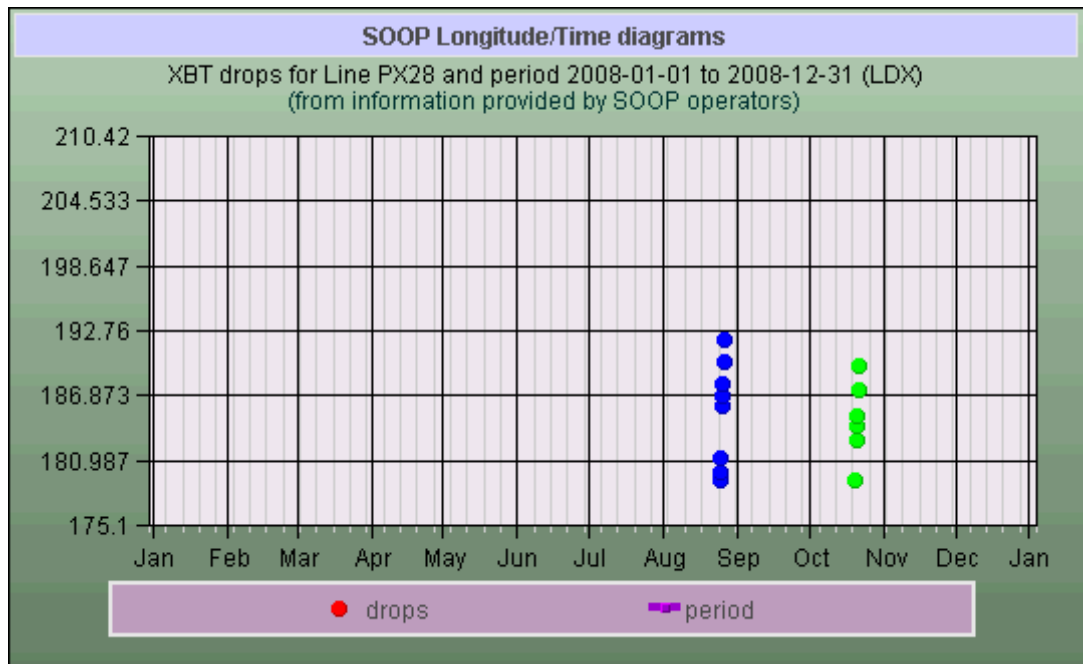
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------------|----------|-------|-----------|
| SOO SEAS/SIO | DIRECT CONDOR (LIBERIA) | A8AL3 | 14 | 2 |
| Total | | | 14 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 84 | 100 |
| Boxes empty | 77 | 92 |
| Boxes filled (at least 1 drop): | 7 | 8 |
| Boxes OK (1 or 2 drops): | 5 | 6 |
| Boxes oversampled (>=3 drops): | 2 | 2 |

2D space-time diagram:



| PX28 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 207.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 197.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 187.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 |
| 182.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 |
| 177.6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |

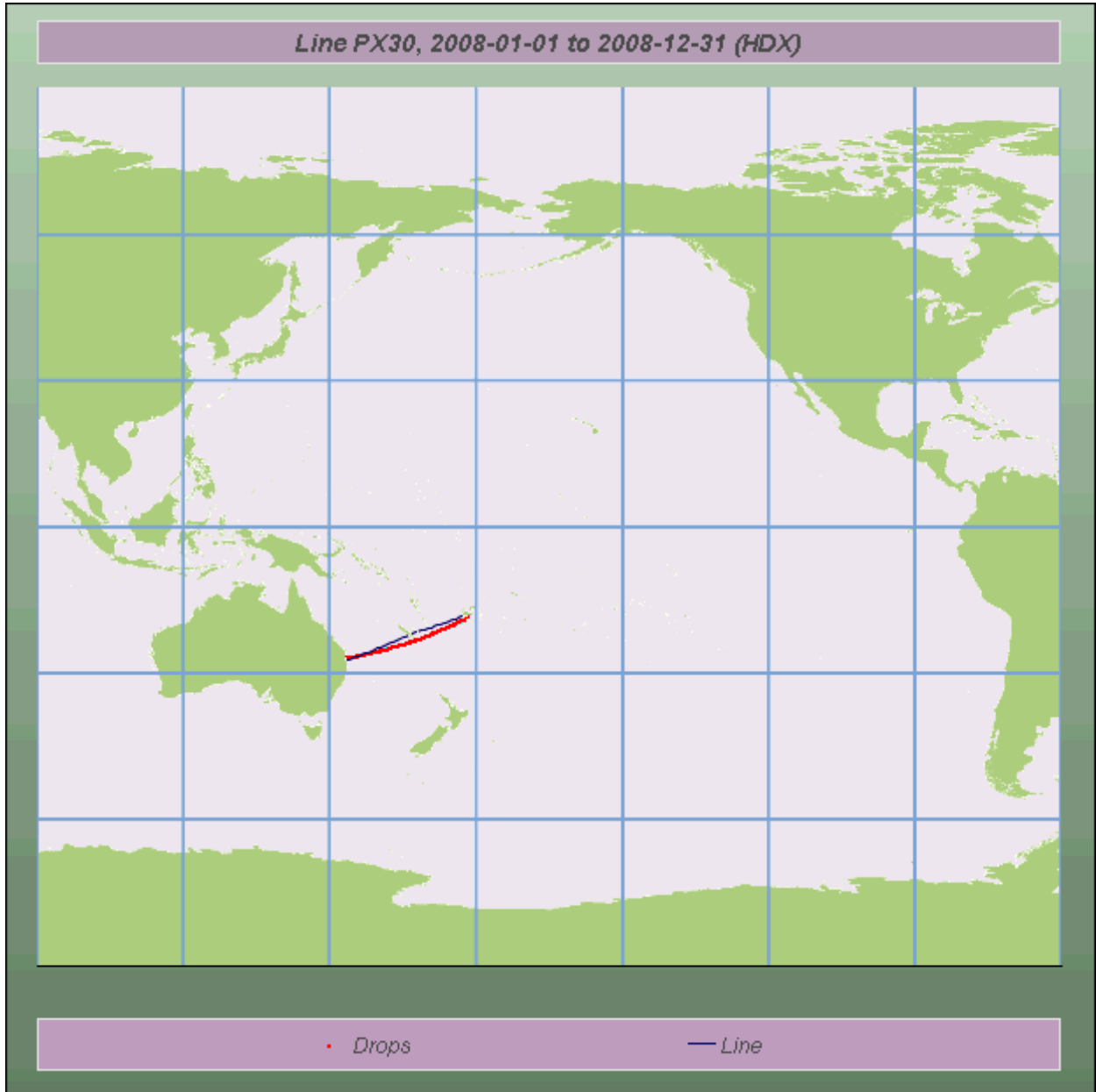
PX29 Tahiti - Valparaiso (LDX)

Not Sampled

PX30 Brisbane/Sydney - Noumea -Fiji (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

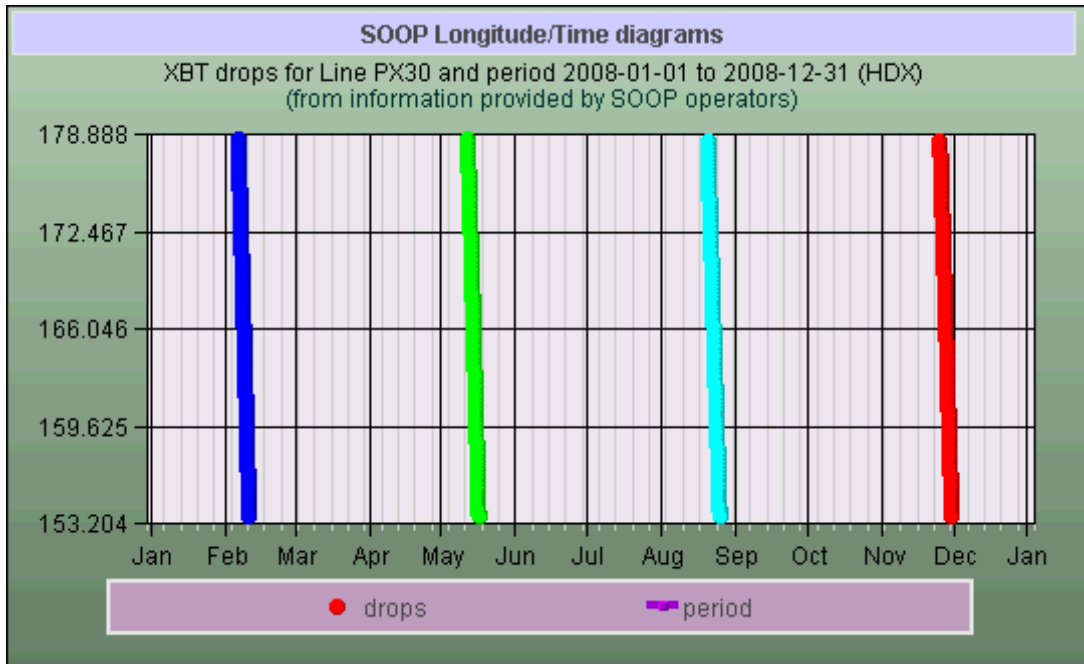
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------------|----------|-------|-----------|
| SOO CSIRO | FORUM SAMOA II (SAMOA) | 5WDC | 470 | 4 |
| Total | | | 470 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 228 | 100 |
| Boxes empty | 8 | 4 |
| Boxes filled (at least 1 drop): | 220 | 96 |
| Boxes OK (1 or 2 drops): | 167 | 73 |
| Boxes oversampled (>=3 drops): | 53 | 23 |

2D space-time diagram:



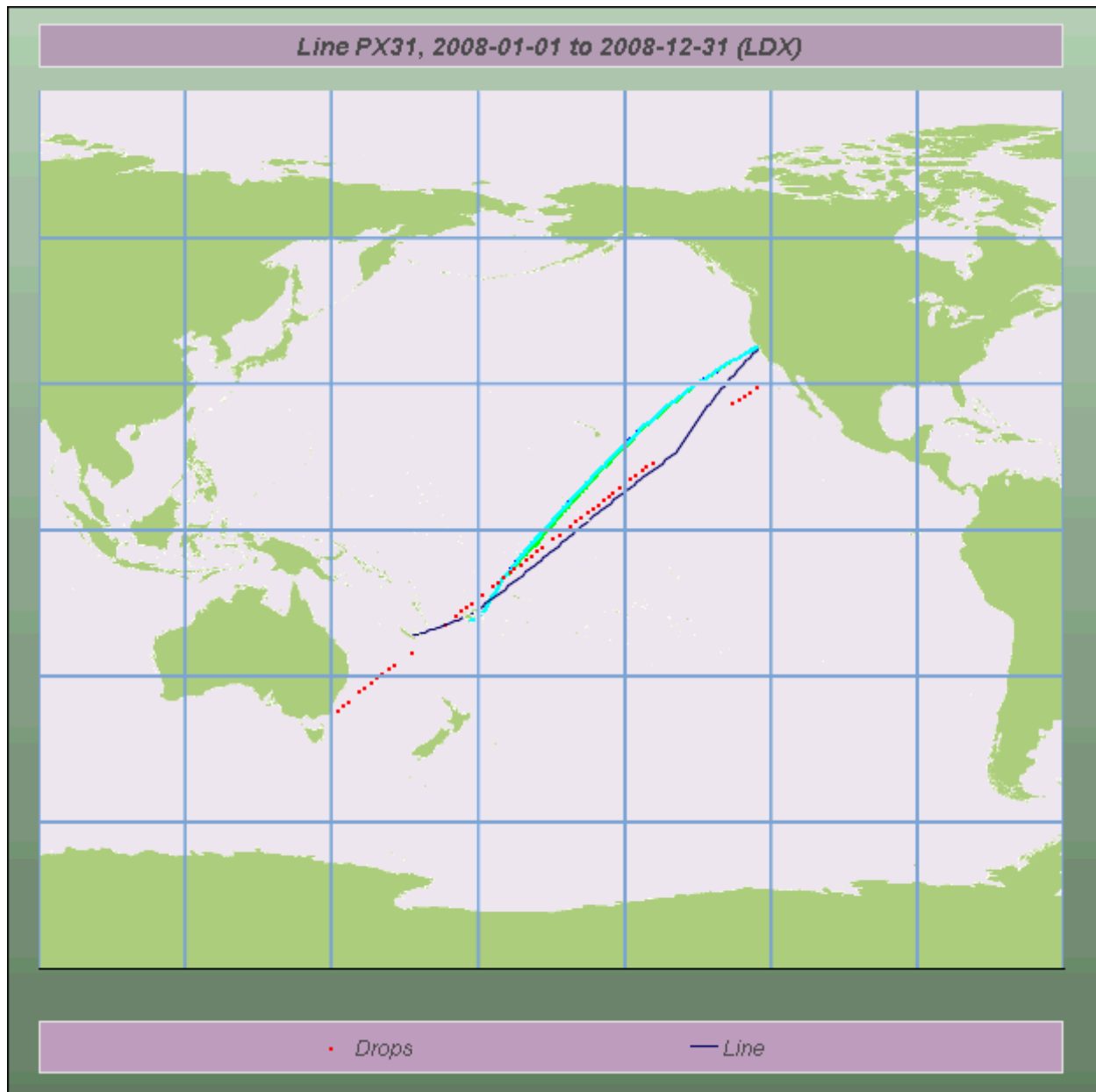
| PX30 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 178.68E | 0 | 0 | 0 | 0 |
| 178.26E | 4 | 6 | 4 | 4 |
| 177.84E | 2 | 2 | 4 | 2 |
| 177.41E | 3 | 2 | 3 | 1 |
| 176.99E | 1 | 1 | 1 | 2 |
| 176.56E | 2 | 3 | 3 | 2 |
| 176.14E | 3 | 3 | 2 | 2 |
| 175.71E | 1 | 2 | 1 | 1 |
| 175.28E | 1 | 2 | 1 | 1 |
| 174.85E | 3 | 3 | 2 | 2 |
| 174.42E | 1 | 1 | 1 | 1 |
| 173.99E | 1 | 1 | 1 | 2 |
| 173.56E | 2 | 3 | 4 | 4 |
| 173.13E | 2 | 1 | 2 | 1 |
| 172.7E | 1 | 1 | 2 | 2 |
| 172.26E | 3 | 2 | 2 | 2 |
| 171.82E | 1 | 1 | 1 | 1 |
| 171.39E | 1 | 2 | 1 | 1 |
| 170.95E | 2 | 2 | 3 | 3 |
| 170.51E | 2 | 3 | 1 | 1 |

| | | | | |
|---------|----|---|---|---|
| 170.07E | 1 | 1 | 1 | 1 |
| 169.63E | 1 | 1 | 1 | 1 |
| 169.18E | 3 | 2 | 2 | 2 |
| 168.74E | 1 | 1 | 1 | 1 |
| 168.3E | 4 | 2 | 2 | 2 |
| 167.85E | 2 | 4 | 2 | 2 |
| 167.4E | 2 | 2 | 3 | 3 |
| 166.95E | 2 | 2 | 3 | 2 |
| 166.5E | 2 | 1 | 1 | 1 |
| 166.05E | 1 | 1 | 1 | 2 |
| 165.6E | 2 | 2 | 3 | 1 |
| 165.15E | 1 | 2 | 1 | 1 |
| 164.69E | 3 | 2 | 2 | 2 |
| 164.24E | 1 | 1 | 1 | 1 |
| 163.78E | 2 | 1 | 2 | 2 |
| 163.32E | 2 | 4 | 3 | 1 |
| 162.87E | 2 | 2 | 2 | 2 |
| 162.41E | 2 | 3 | 2 | 2 |
| 161.95E | 1 | 1 | 2 | 1 |
| 161.48E | 2 | 2 | 2 | 2 |
| 161.02E | 2 | 1 | 1 | 1 |
| 160.55E | 2 | 2 | 2 | 2 |
| 160.09E | 2 | 4 | 3 | 3 |
| 159.62E | 2 | 2 | 2 | 3 |
| 159.15E | 2 | 2 | 2 | 2 |
| 158.68E | 1 | 1 | 1 | 2 |
| 158.21E | 4 | 2 | 3 | 4 |
| 157.74E | 1 | 1 | 2 | 2 |
| 157.27E | 2 | 2 | 2 | 3 |
| 156.8E | 2 | 3 | 2 | 3 |
| 156.32E | 2 | 2 | 2 | 2 |
| 155.84E | 2 | 2 | 2 | 2 |
| 155.37E | 2 | 2 | 2 | 2 |
| 154.89E | 5 | 5 | 6 | 5 |
| 154.41E | 11 | 7 | 7 | 6 |
| 153.93E | 4 | 4 | 3 | 4 |
| 153.45E | 0 | 0 | 0 | 0 |

PX31 Noumea/Suva, Fiji – California (LDX, Thermal review FHD)

Summary of drops by SOOP operator and ship:

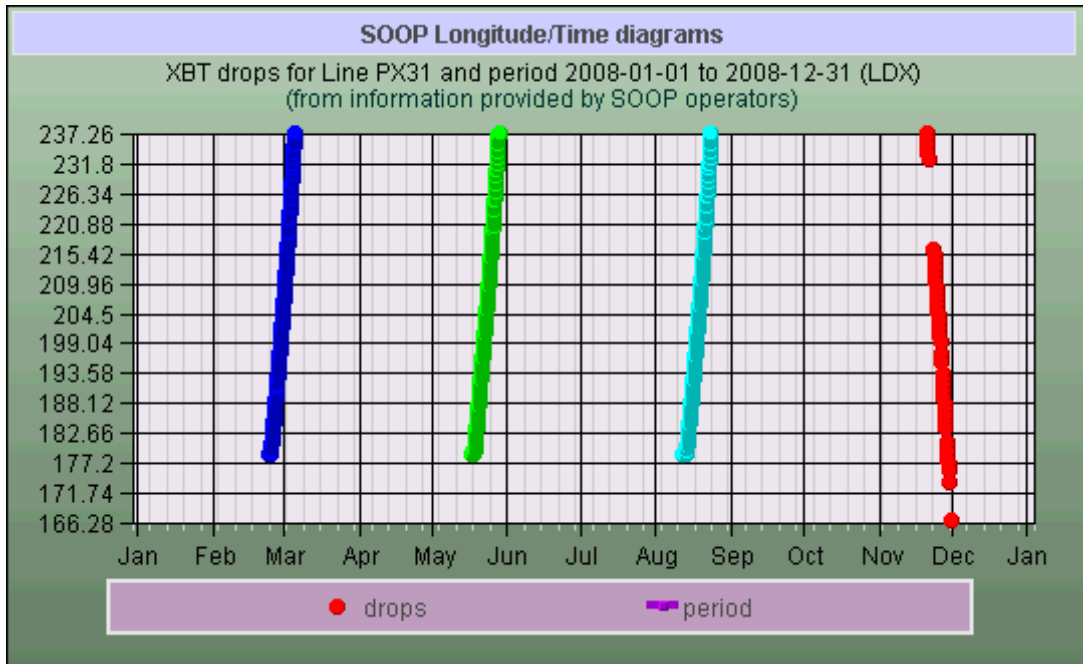
| Program | ShipName | CallSign | Drops | Transects |
|--------------|--------------------|----------|-------|-----------|
| SOO SEAS/SIO | MAERSK NEW ORLEANS | ELZY3 | 708 | 4 |
| Total | | | 708 | 4 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 168 | 100 |
| Boxes empty | 120 | 71 |
| Boxes filled (at least 1 drop): | 48 | 29 |
| Boxes OK (1 or 2 drops): | 1 | 1 |
| Boxes oversampled (>=3 drops): | 47 | 28 |

2D space-time diagram:



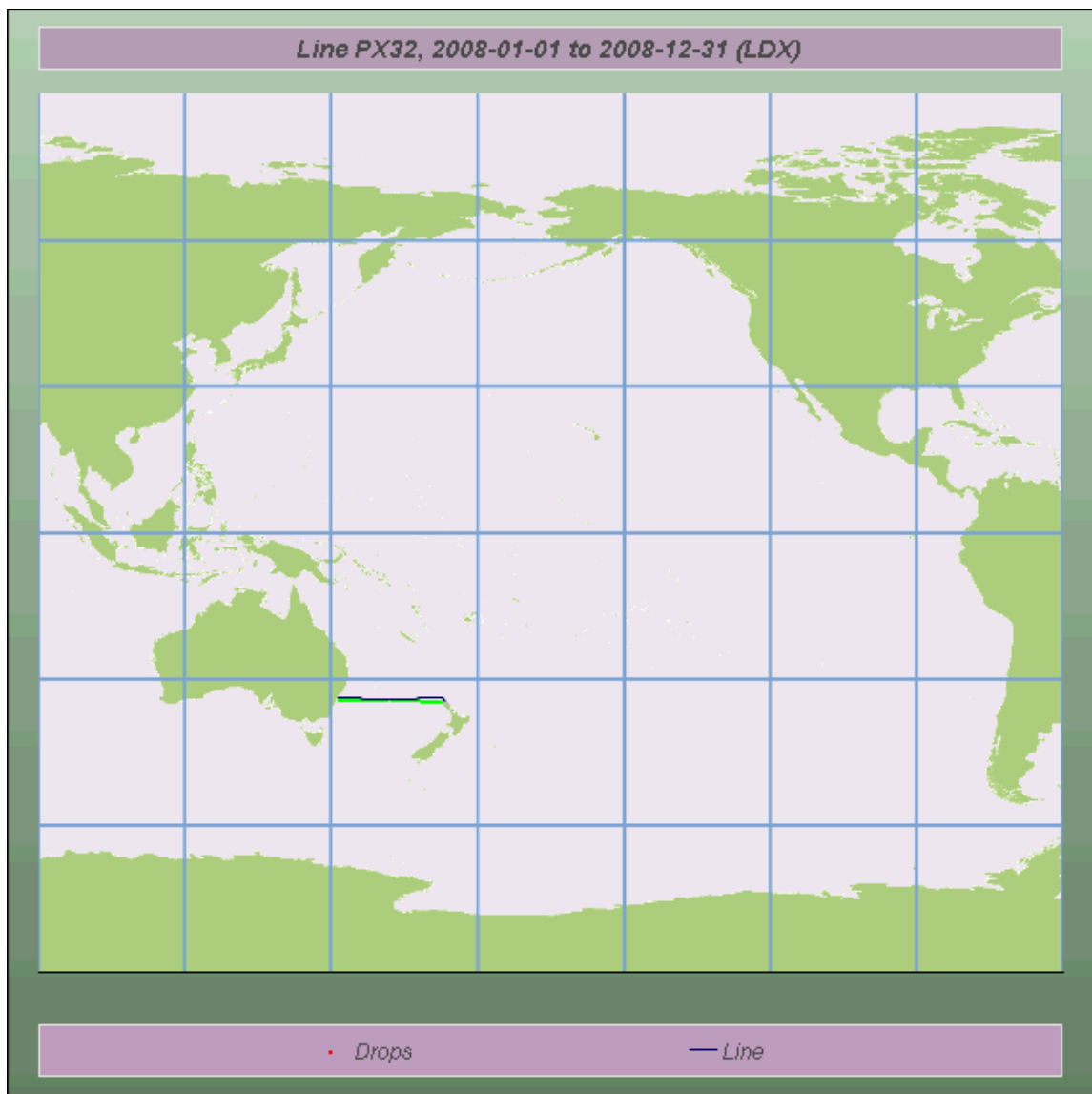
| PX31 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 233.78E | 0 | 0 | 10 | 0 | 11 | 0 | 0 | 13 | 0 | 0 | 4 | 0 |
| 228.78E | 0 | 0 | 11 | 0 | 9 | 0 | 0 | 10 | 0 | 0 | 0 | 0 |
| 223.78E | 0 | 0 | 15 | 0 | 12 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| 218.78E | 0 | 0 | 14 | 0 | 12 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| 213.78E | 0 | 0 | 16 | 0 | 14 | 0 | 0 | 17 | 0 | 0 | 4 | 0 |
| 208.78E | 0 | 11 | 4 | 0 | 16 | 0 | 0 | 20 | 0 | 0 | 5 | 0 |
| 203.78E | 0 | 17 | 0 | 0 | 18 | 0 | 0 | 19 | 0 | 0 | 4 | 0 |
| 198.78E | 0 | 27 | 0 | 0 | 25 | 0 | 0 | 24 | 0 | 0 | 4 | 0 |
| 193.78E | 0 | 27 | 0 | 0 | 29 | 0 | 0 | 30 | 0 | 0 | 3 | 0 |
| 188.78E | 0 | 19 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 5 | 0 |
| 183.78E | 0 | 25 | 0 | 0 | 29 | 0 | 0 | 24 | 0 | 0 | 3 | 0 |

| | | | | | | | | | | | | |
|-------------|---|----|---|---|----|---|---|----|---|---|---|---|
| 178.7 8E | 0 | 10 | 0 | 0 | 17 | 0 | 0 | 15 | 0 | 0 | 5 | 0 |
| 173.7 8E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 168.7 8E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |

PX32 Sydney - Auckland (LDX)

Summary of drops by SOOP operator and ship:

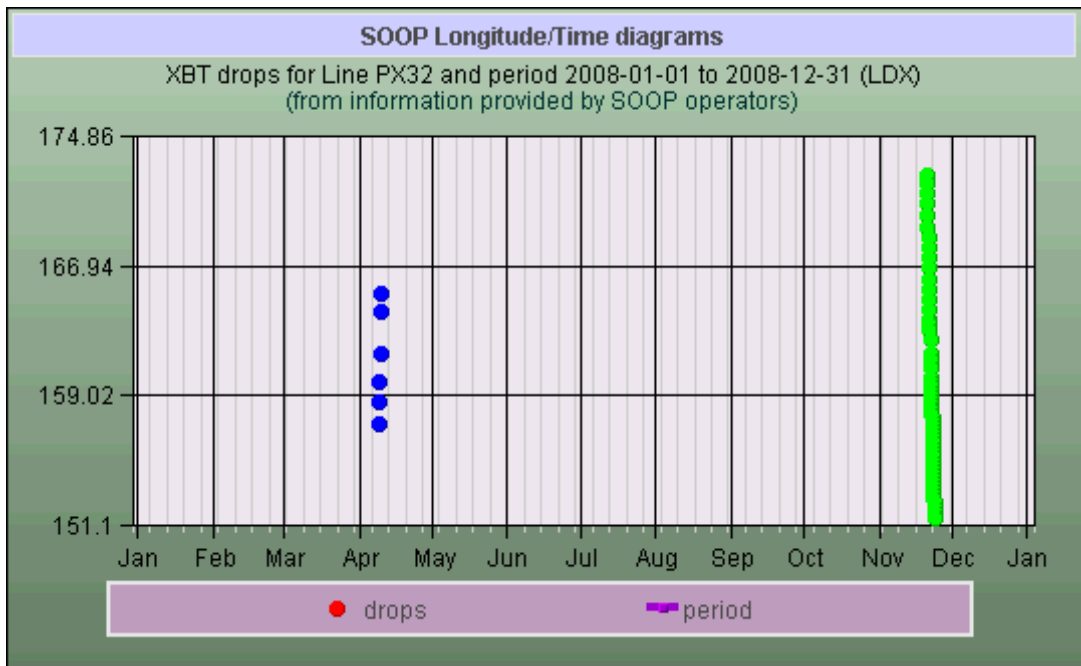
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------------------------|----------|-------|-----------|
| SOO BOM | Wellington Express | DFCX2 | 6 | 1 |
| SOO CSIRO | VEGA GOTLAND (ANTIGUA AND BARBUDA) | V2BP4 | 69 | 1 |
| Total | | | 75 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 60 | 100 |
| Boxes empty | 53 | 88 |
| Boxes filled (at least 1 drop): | 7 | 12 |
| Boxes OK (1 or 2 drops): | 0 | 0 |
| Boxes oversampled (>=3 drops): | 7 | 12 |

2D space-time diagram:



| PX3 2 | 16/01/2 008 | 15/02/2 008 | 17/03/2 008 | 16/04/2 008 | 16/05/2 008 | 16/06/2 008 | 16/07/2 008 | 16/08/2 008 | 15/09/2 008 | 16/10/2 008 | 15/11/2 008 | 16/12/2 008 |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 173. 6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 168. 6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 163. 6E | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| 158. 6E | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 |
| 153. 6E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 |

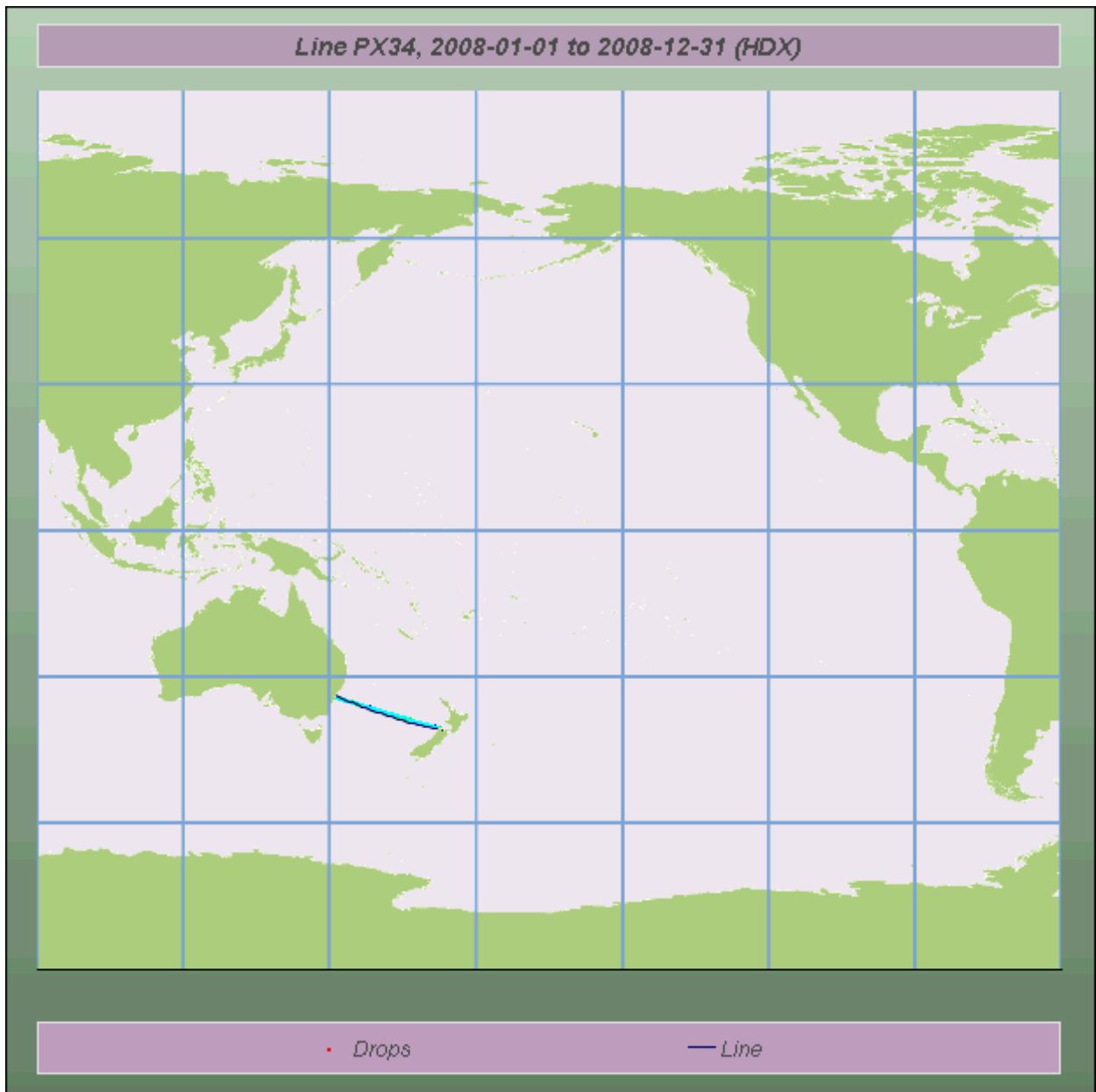
PX33 Hobart - Macquarie Island (is also IX30) (LDX)

Not Sampled

PX34 Sydney - Wellington (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

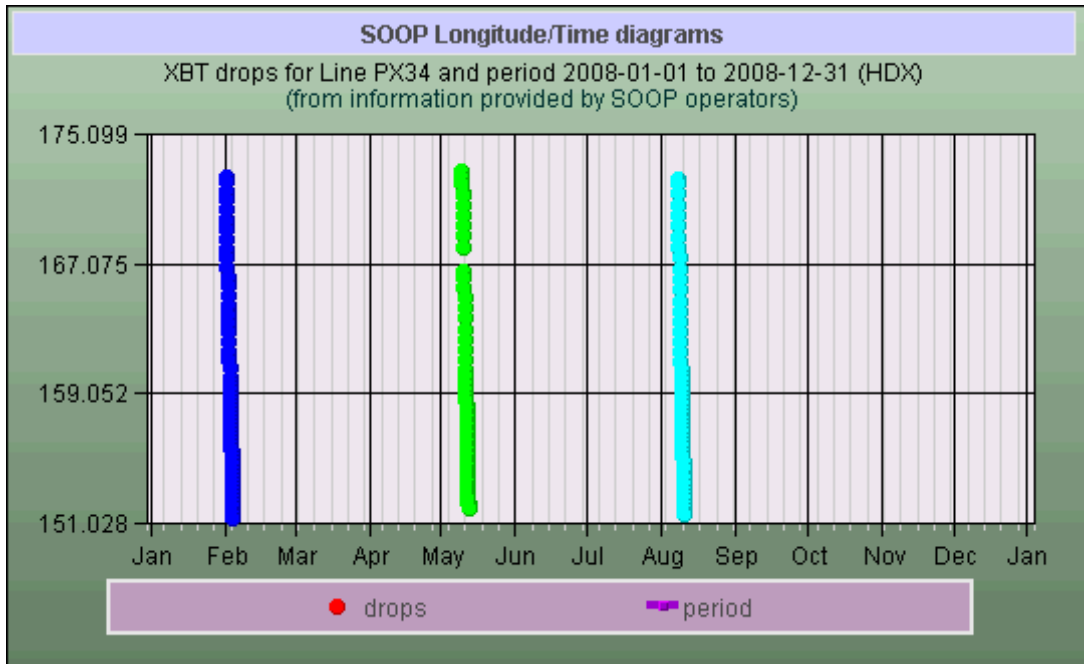
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------------------------|----------|-------|-----------|
| SOO CSIRO | VEGA GOTLAND (ANTIGUA AND BARBUDA) | V2BP4 | 200 | 3 |
| Total | | | 200 | 3 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 180 | 100 |
| Boxes empty | 67 | 37 |
| Boxes filled (at least 1 drop): | 113 | 63 |
| Boxes OK (1 or 2 drops): | 90 | 50 |
| Boxes oversampled (>=3 drops): | 23 | 13 |

2D space-time diagram:



| PX34 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 174.81E | 0 | 0 | 0 | 0 |
| 174.22E | 0 | 0 | 0 | 0 |
| 173.64E | 0 | 0 | 0 | 0 |
| 173.05E | 0 | 0 | 0 | 0 |
| 172.47E | 1 | 2 | 4 | 0 |
| 171.9E | 1 | 1 | 2 | 0 |
| 171.32E | 1 | 2 | 1 | 0 |
| 170.75E | 1 | 1 | 1 | 0 |
| 170.18E | 1 | 1 | 1 | 0 |
| 169.61E | 2 | 0 | 0 | 0 |
| 169.04E | 1 | 2 | 1 | 0 |
| 168.48E | 1 | 1 | 1 | 0 |
| 167.92E | 2 | 1 | 1 | 0 |
| 167.36E | 1 | 0 | 1 | 0 |
| 166.8E | 1 | 0 | 0 | 0 |
| 166.25E | 2 | 2 | 1 | 0 |
| 165.7E | 0 | 1 | 1 | 0 |
| 165.15E | 1 | 4 | 1 | 0 |
| 164.6E | 1 | 1 | 1 | 0 |
| 164.06E | 1 | 1 | 1 | 0 |
| 163.51E | 2 | 1 | 0 | 0 |
| 162.97E | 1 | 0 | 2 | 0 |

| | | | | |
|---------|---|---|---|---|
| 162.44E | 1 | 1 | 1 | 0 |
| 161.9E | 1 | 1 | 1 | 0 |
| 161.37E | 1 | 1 | 1 | 0 |
| 160.84E | 1 | 1 | 1 | 0 |
| 160.32E | 1 | 1 | 1 | 0 |
| 159.79E | 1 | 1 | 2 | 0 |
| 159.27E | 2 | 1 | 1 | 0 |
| 158.75E | 2 | 2 | 2 | 0 |
| 158.23E | 2 | 2 | 2 | 0 |
| 157.72E | 3 | 3 | 2 | 0 |
| 157.21E | 3 | 3 | 3 | 0 |
| 156.7E | 3 | 3 | 2 | 0 |
| 156.19E | 2 | 3 | 2 | 0 |
| 155.69E | 2 | 4 | 5 | 0 |
| 155.19E | 2 | 3 | 4 | 0 |
| 154.69E | 1 | 3 | 1 | 0 |
| 154.19E | 2 | 3 | 1 | 0 |
| 153.7E | 2 | 4 | 3 | 0 |
| 153.21E | 2 | 3 | 2 | 0 |
| 152.72E | 2 | 4 | 1 | 0 |
| 152.23E | 2 | 3 | 2 | 0 |
| 151.75E | 3 | 2 | 4 | 0 |
| 151.27E | 1 | 0 | 0 | 0 |

PX35 Melbourne – Dunedin (LDX, Thermal review HDX)

Not Sampled

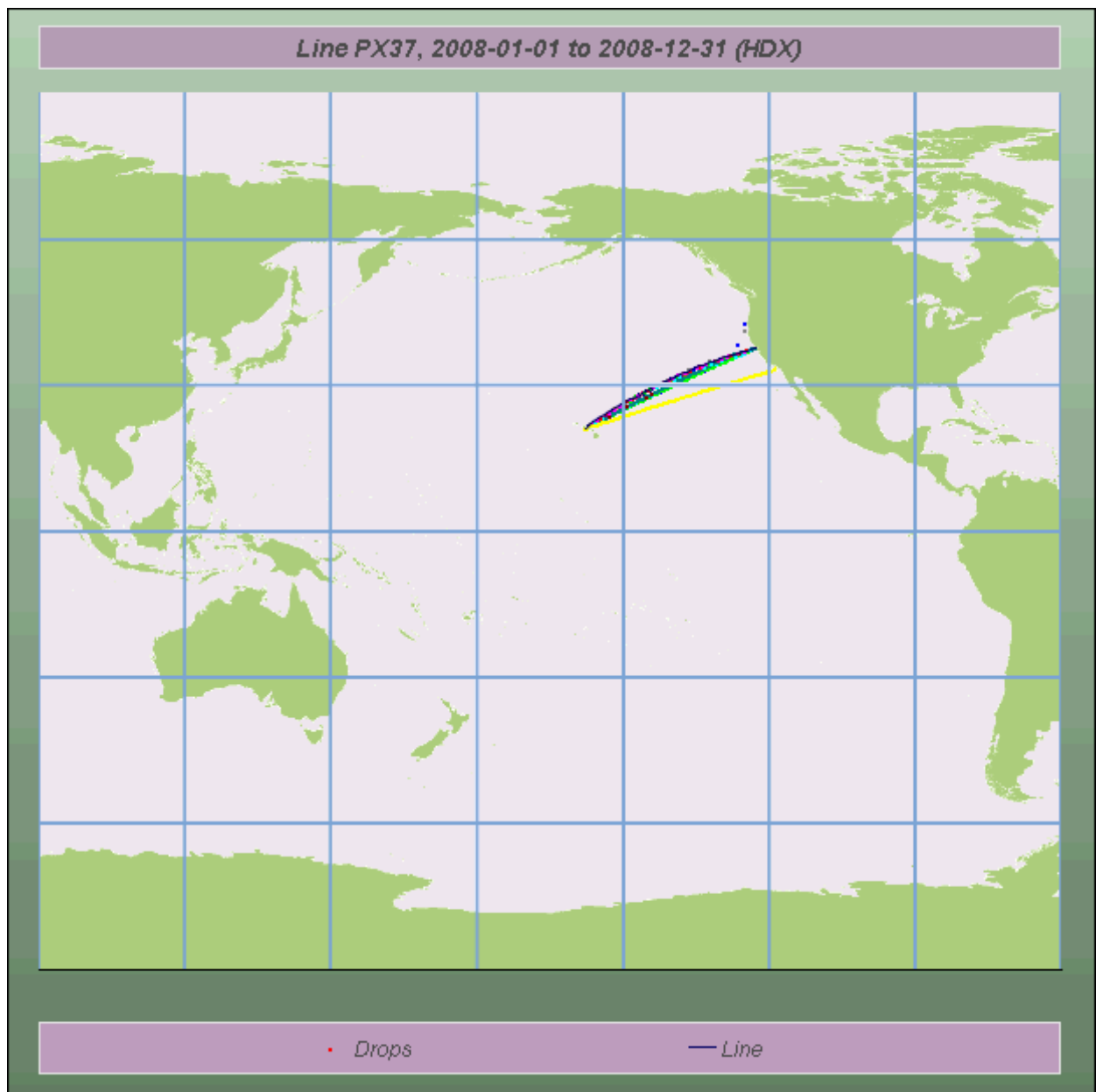
PX36 Christchurch – McMurdo (FRX, Thermal review HDX)

Not Sampled

PX37 Hawaii - California (HDX)

Summary of drops by SOOP operator and ship:

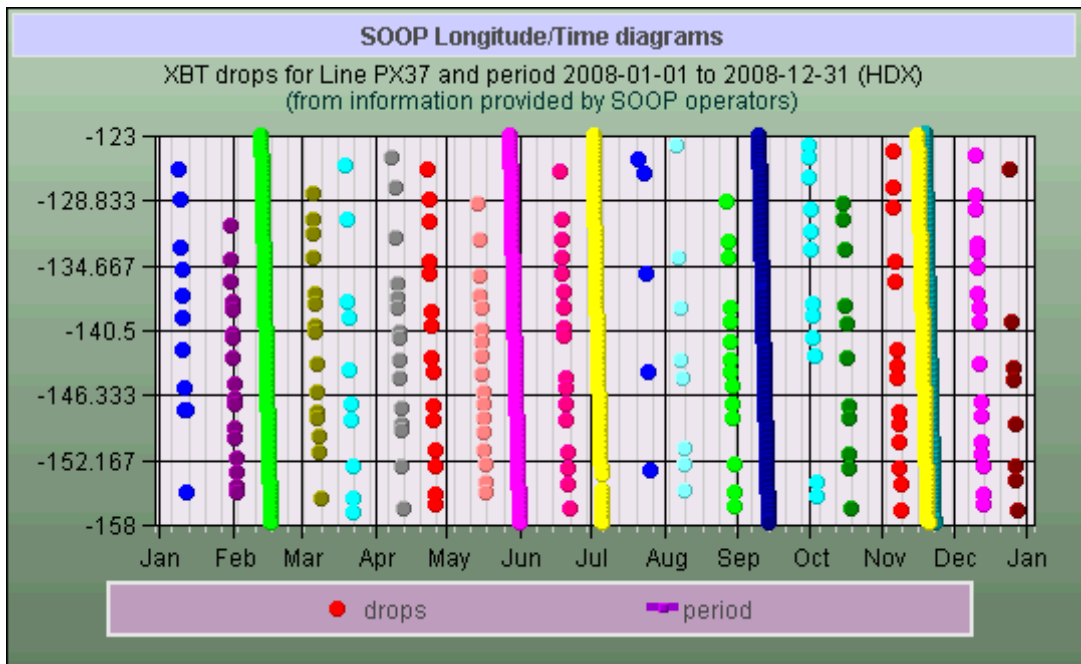
| Program | ShipName | CallSign | Drops | Transects |
|--------------|---------------|----------|-------|-----------|
| SOO SEAS/SIO | CSX SPIRIT | WFLG | 106 | 1 |
| SOO SEAS/SIO | HORIZON TIGER | WDD6042 | 143 | 10 |
| SOO SEAS/SIO | Horizon Hawk | WDD6033 | 492 | 11 |
| Total | | | 741 | 22 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 308 | 100 |
| Boxes empty | 8 | 3 |
| Boxes filled (at least 1 drop): | 300 | 97 |
| Boxes OK (1 or 2 drops): | 178 | 58 |
| Boxes oversampled (>=3 drops): | 122 | 40 |

2D space-time diagram:



| PX37 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 123.27W | 3 | 4 | 11 | 6 |
| 123.8W | 3 | 2 | 6 | 3 |
| 124.34W | 1 | 2 | 4 | 6 |
| 124.87W | 2 | 1 | 2 | 5 |
| 125.4W | 1 | 2 | 4 | 4 |
| 125.92W | 3 | 2 | 5 | 3 |
| 126.45W | 2 | 4 | 2 | 3 |
| 126.97W | 2 | 2 | 4 | 3 |
| 127.49W | 1 | 1 | 2 | 3 |
| 128.01W | 1 | 3 | 2 | 3 |
| 128.52W | 2 | 1 | 2 | 3 |
| 129.04W | 1 | 2 | 3 | 3 |
| 129.55W | 2 | 2 | 3 | 4 |
| 130.06W | 1 | 1 | 2 | 4 |
| 130.56W | 1 | 2 | 2 | 2 |
| 131.06W | 4 | 2 | 2 | 4 |
| 131.57W | 1 | 1 | 3 | 3 |
| 132.07W | 2 | 2 | 2 | 3 |
| 132.56W | 1 | 3 | 2 | 2 |
| 133.06W | 1 | 1 | 3 | 3 |
| 133.55W | 1 | 1 | 2 | 5 |
| 134.04W | 2 | 2 | 4 | 2 |

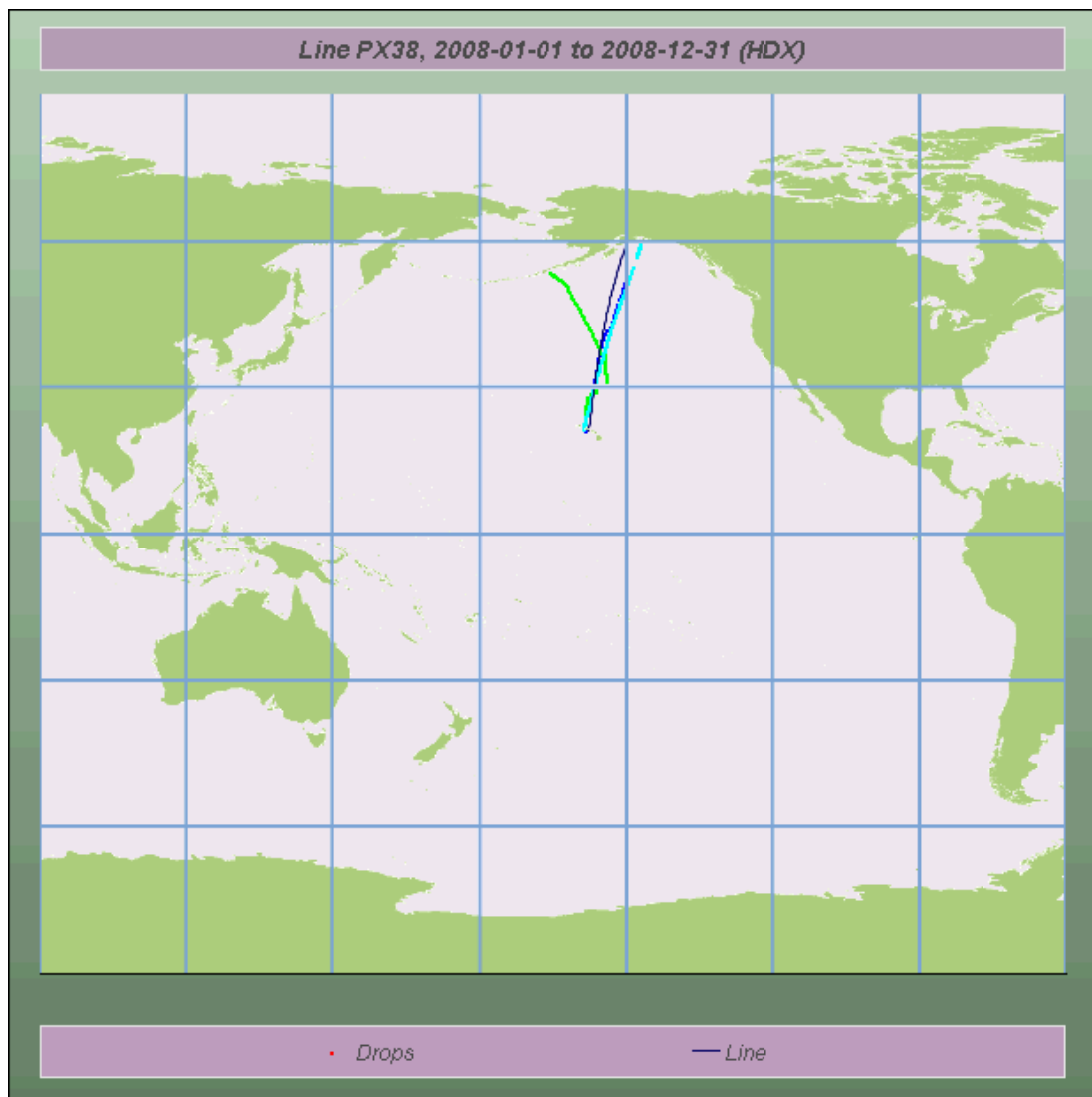
| | | | | |
|---------|---|---|---|---|
| 134.53W | 3 | 2 | 2 | 3 |
| 135.01W | 1 | 1 | 2 | 3 |
| 135.5W | 0 | 3 | 3 | 2 |
| 135.98W | 2 | 2 | 2 | 2 |
| 136.46W | 2 | 2 | 2 | 3 |
| 136.93W | 1 | 1 | 2 | 2 |
| 137.41W | 3 | 2 | 2 | 3 |
| 137.88W | 1 | 2 | 2 | 2 |
| 138.35W | 4 | 1 | 3 | 2 |
| 138.82W | 3 | 5 | 4 | 4 |
| 139.28W | 1 | 2 | 2 | 2 |
| 139.74W | 1 | 1 | 3 | 3 |
| 140.2W | 4 | 2 | 2 | 3 |
| 140.66W | 1 | 4 | 3 | 3 |
| 141.12W | 3 | 2 | 2 | 3 |
| 141.57W | 1 | 3 | 2 | 4 |
| 142.03W | 1 | 1 | 3 | 2 |
| 142.48W | 1 | 1 | 3 | 4 |
| 142.93W | 1 | 2 | 2 | 2 |
| 143.37W | 3 | 2 | 2 | 3 |
| 143.82W | 2 | 1 | 3 | 4 |
| 144.26W | 1 | 2 | 2 | 2 |
| 144.7W | 1 | 2 | 4 | 4 |
| 145.14W | 2 | 3 | 3 | 2 |
| 145.57W | 2 | 1 | 3 | 3 |
| 146.01W | 0 | 4 | 2 | 2 |
| 146.44W | 3 | 1 | 2 | 3 |
| 146.87W | 2 | 0 | 1 | 1 |
| 147.3W | 2 | 3 | 3 | 3 |
| 147.72W | 1 | 3 | 2 | 3 |
| 148.15W | 4 | 1 | 2 | 3 |
| 148.57W | 4 | 4 | 3 | 3 |
| 148.99W | 1 | 2 | 2 | 3 |
| 149.41W | 2 | 2 | 2 | 3 |
| 149.82W | 1 | 1 | 0 | 4 |
| 150.24W | 3 | 1 | 3 | 1 |
| 150.65W | 1 | 1 | 2 | 4 |
| 151.06W | 1 | 1 | 2 | 2 |
| 151.47W | 1 | 4 | 3 | 2 |
| 151.88W | 2 | 1 | 2 | 4 |
| 152.29W | 2 | 0 | 0 | 3 |
| 152.69W | 0 | 3 | 4 | 3 |
| 153.1W | 2 | 3 | 3 | 4 |
| 153.5W | 2 | 1 | 3 | 2 |
| 153.9W | 1 | 1 | 1 | 1 |
| 154.29W | 1 | 2 | 0 | 5 |
| 154.69W | 2 | 2 | 1 | 2 |
| 155.09W | 2 | 2 | 5 | 2 |
| 155.48W | 2 | 2 | 2 | 4 |
| 155.87W | 3 | 2 | 5 | 3 |
| 156.26W | 1 | 2 | 3 | 4 |
| 156.65W | 2 | 3 | 2 | 5 |
| 157.04W | 2 | 1 | 2 | 3 |

| | | | | |
|---------|---|---|---|---|
| 157.42W | 1 | 1 | 2 | 3 |
| 157.81W | 2 | 3 | 4 | 5 |

PX38 Hawaii – Alaska (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

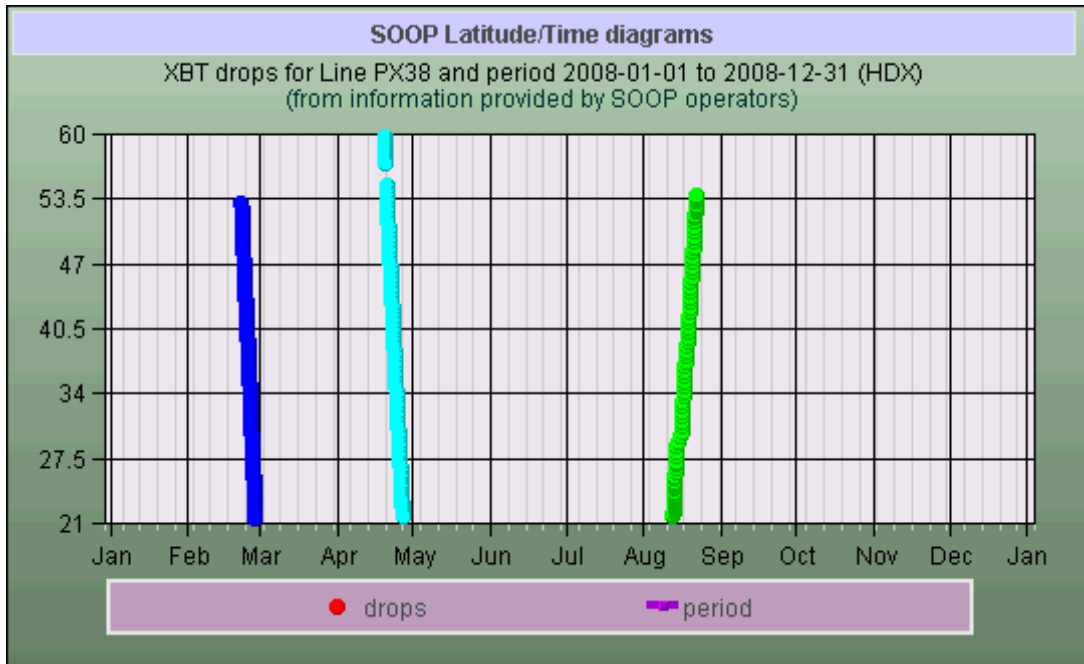
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------------|----------|-------|-----------|
| SOO SIO | MELVILLE | WECB | 91 | 1 |
| SOO SIO | POLAR DISCOVERY | WACW | 82 | 1 |
| SOO SIO | POLAR ENTERPRISE | WRTF | 103 | 1 |
| Total | | | 276 | 3 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 356 | 100 |
| Boxes empty | 149 | 42 |
| Boxes filled (at least 1 drop): | 207 | 58 |
| Boxes OK (1 or 2 drops): | 187 | 53 |
| Boxes oversampled (>=3 drops): | 20 | 6 |

2D space-time diagram:



| PX38 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 59.79N | 0 | 0 | 0 | 0 |
| 59.36N | 0 | 2 | 0 | 0 |
| 58.93N | 0 | 2 | 0 | 0 |
| 58.5N | 0 | 3 | 0 | 0 |
| 58.07N | 0 | 3 | 0 | 0 |
| 57.64N | 0 | 2 | 0 | 0 |
| 57.21N | 0 | 3 | 0 | 0 |
| 56.78N | 0 | 2 | 0 | 0 |
| 56.35N | 0 | 0 | 0 | 0 |
| 55.92N | 0 | 0 | 0 | 0 |
| 55.48N | 0 | 0 | 0 | 0 |
| 55.05N | 0 | 0 | 0 | 0 |
| 54.62N | 0 | 2 | 0 | 0 |
| 54.19N | 0 | 1 | 0 | 0 |
| 53.75N | 0 | 1 | 0 | 0 |
| 53.32N | 0 | 1 | 4 | 0 |
| 52.88N | 1 | 1 | 3 | 0 |
| 52.45N | 0 | 1 | 1 | 0 |
| 52.02N | 1 | 1 | 2 | 0 |
| 51.58N | 0 | 1 | 1 | 0 |
| 51.15N | 2 | 1 | 3 | 0 |
| 50.71N | 0 | 1 | 1 | 0 |

| | | | | |
|--------|---|---|---|---|
| 50.27N | 1 | 0 | 1 | 0 |
| 49.84N | 1 | 1 | 0 | 0 |
| 49.4N | 1 | 1 | 1 | 0 |
| 48.97N | 1 | 1 | 1 | 0 |
| 48.53N | 1 | 1 | 1 | 0 |
| 48.09N | 1 | 1 | 1 | 0 |
| 47.66N | 0 | 1 | 1 | 0 |
| 47.22N | 1 | 1 | 1 | 0 |
| 46.78N | 1 | 0 | 1 | 0 |
| 46.34N | 1 | 1 | 0 | 0 |
| 45.91N | 1 | 1 | 1 | 0 |
| 45.47N | 1 | 1 | 1 | 0 |
| 45.03N | 1 | 1 | 1 | 0 |
| 44.59N | 1 | 1 | 1 | 0 |
| 44.15N | 1 | 1 | 1 | 0 |
| 43.71N | 0 | 1 | 1 | 0 |
| 43.28N | 1 | 0 | 1 | 0 |
| 42.84N | 1 | 1 | 0 | 0 |
| 42.4N | 1 | 1 | 1 | 0 |
| 41.96N | 1 | 1 | 1 | 0 |
| 41.52N | 1 | 1 | 1 | 0 |
| 41.08N | 1 | 1 | 1 | 0 |
| 40.64N | 0 | 1 | 1 | 0 |
| 40.2N | 1 | 1 | 1 | 0 |
| 39.76N | 1 | 0 | 1 | 0 |
| 39.32N | 1 | 1 | 1 | 0 |
| 38.88N | 1 | 1 | 1 | 0 |
| 38.44N | 1 | 1 | 1 | 0 |
| 38N | 1 | 1 | 1 | 0 |
| 37.56N | 1 | 1 | 1 | 0 |
| 37.12N | 0 | 1 | 1 | 0 |
| 36.68N | 1 | 1 | 1 | 0 |
| 36.24N | 1 | 0 | 1 | 0 |
| 35.8N | 1 | 1 | 1 | 0 |
| 35.36N | 1 | 1 | 1 | 0 |
| 34.92N | 1 | 1 | 1 | 0 |
| 34.48N | 1 | 1 | 0 | 0 |
| 34.04N | 1 | 1 | 1 | 0 |
| 33.6N | 1 | 1 | 1 | 0 |
| 33.15N | 0 | 1 | 1 | 0 |
| 32.71N | 1 | 0 | 1 | 0 |
| 32.27N | 1 | 1 | 1 | 0 |
| 31.83N | 1 | 1 | 1 | 0 |
| 31.39N | 1 | 1 | 1 | 0 |
| 30.95N | 1 | 1 | 1 | 0 |
| 30.51N | 1 | 1 | 1 | 0 |
| 30.06N | 1 | 1 | 0 | 0 |
| 29.62N | 1 | 1 | 1 | 0 |
| 29.18N | 0 | 0 | 1 | 0 |
| 28.74N | 1 | 1 | 1 | 0 |
| 28.3N | 1 | 1 | 0 | 0 |
| 27.86N | 1 | 1 | 1 | 0 |
| 27.41N | 1 | 1 | 1 | 0 |

| | | | | |
|--------|---|---|---|---|
| 26.97N | 1 | 1 | 1 | 0 |
| 26.53N | 1 | 1 | 1 | 0 |
| 26.09N | 2 | 2 | 2 | 0 |
| 25.65N | 1 | 1 | 1 | 0 |
| 25.2N | 1 | 1 | 1 | 0 |
| 24.76N | 2 | 2 | 2 | 0 |
| 24.32N | 2 | 2 | 2 | 0 |
| 23.88N | 2 | 2 | 2 | 0 |
| 23.43N | 3 | 3 | 3 | 0 |
| 22.99N | 3 | 3 | 3 | 0 |
| 22.55N | 4 | 4 | 4 | 0 |
| 22.11N | 4 | 4 | 2 | 0 |
| 21.66N | 4 | 3 | 5 | 0 |
| 21.22N | 1 | 0 | 0 | 0 |

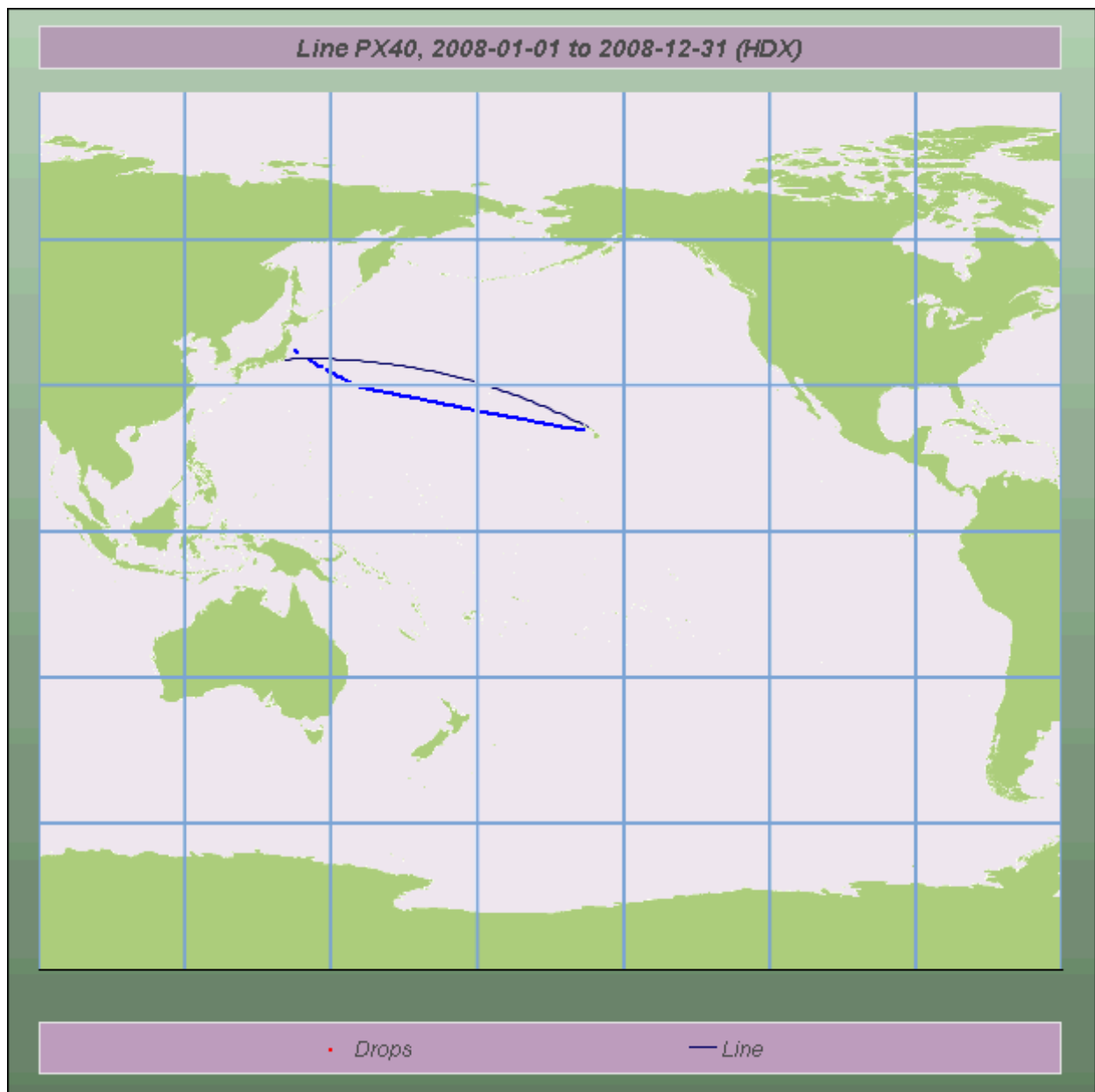
PX39 Hawaii - Seattle/Vancouver (LDX)

Not Sampled

PX40 Hawaii – Japan (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

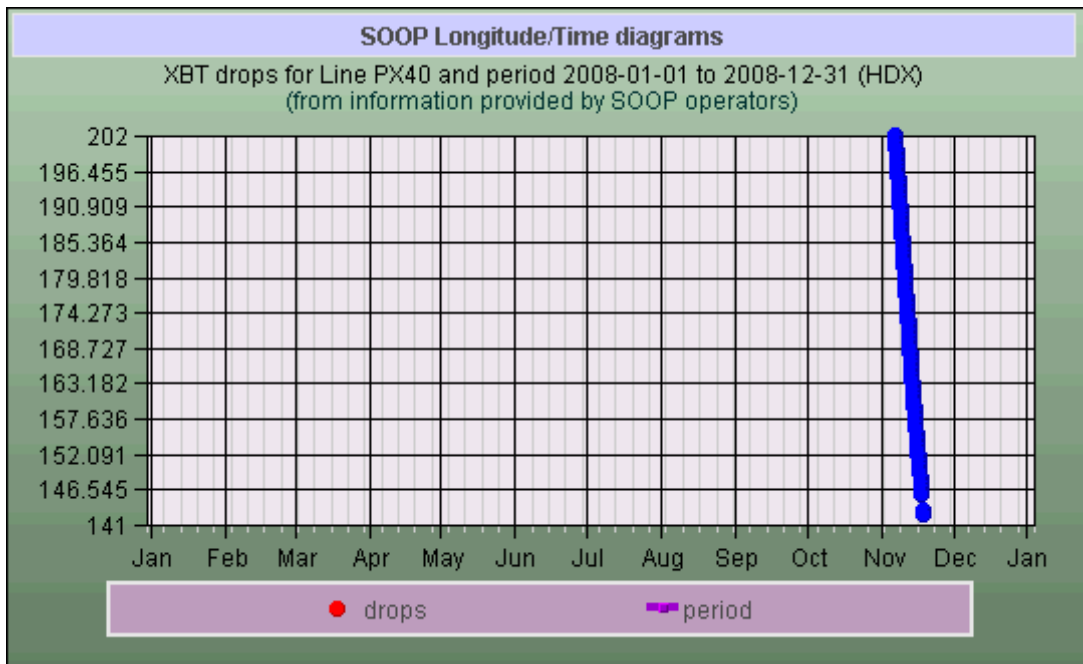
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------|----------|-------|-----------|
| SOO TOHOKU-U | MIYAGI-MARU | JCHQ | 114 | 1 |
| Total | | | 114 | 1 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 488 | 100 |
| Boxes empty | 380 | 78 |
| Boxes filled (at least 1 drop): | 108 | 22 |
| Boxes OK (1 or 2 drops): | 108 | 22 |
| Boxes oversampled (>=3 drops): | 0 | 0 |

2D space-time diagram:



| PX40 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 158.2W | 0 | 0 | 0 | 1 |
| 158.59W | 0 | 0 | 0 | 1 |
| 158.99W | 0 | 0 | 0 | 1 |
| 159.39W | 0 | 0 | 0 | 1 |
| 159.79W | 0 | 0 | 0 | 2 |
| 160.19W | 0 | 0 | 0 | 1 |
| 160.59W | 0 | 0 | 0 | 1 |
| 161W | 0 | 0 | 0 | 1 |
| 161.4W | 0 | 0 | 0 | 1 |
| 161.81W | 0 | 0 | 0 | 1 |
| 162.22W | 0 | 0 | 0 | 1 |
| 162.63W | 0 | 0 | 0 | 1 |
| 163.04W | 0 | 0 | 0 | 1 |
| 163.46W | 0 | 0 | 0 | 1 |
| 163.87W | 0 | 0 | 0 | 1 |
| 164.29W | 0 | 0 | 0 | 1 |
| 164.71W | 0 | 0 | 0 | 1 |
| 165.13W | 0 | 0 | 0 | 1 |
| 165.55W | 0 | 0 | 0 | 1 |
| 165.97W | 0 | 0 | 0 | 1 |
| 166.4W | 0 | 0 | 0 | 1 |
| 166.82W | 0 | 0 | 0 | 1 |

| | | | | |
|---------|---|---|---|---|
| 167.25W | 0 | 0 | 0 | 1 |
| 167.68W | 0 | 0 | 0 | 1 |
| 168.11W | 0 | 0 | 0 | 1 |
| 168.55W | 0 | 0 | 0 | 1 |
| 168.98W | 0 | 0 | 0 | 1 |
| 169.42W | 0 | 0 | 0 | 1 |
| 169.86W | 0 | 0 | 0 | 2 |
| 170.3W | 0 | 0 | 0 | 1 |
| 170.74W | 0 | 0 | 0 | 1 |
| 171.19W | 0 | 0 | 0 | 1 |
| 171.63W | 0 | 0 | 0 | 1 |
| 172.08W | 0 | 0 | 0 | 1 |
| 172.53W | 0 | 0 | 0 | 1 |
| 172.98W | 0 | 0 | 0 | 1 |
| 173.44W | 0 | 0 | 0 | 1 |
| 173.89W | 0 | 0 | 0 | 1 |
| 174.35W | 0 | 0 | 0 | 1 |
| 174.81W | 0 | 0 | 0 | 1 |
| 175.27W | 0 | 0 | 0 | 1 |
| 175.74W | 0 | 0 | 0 | 1 |
| 176.2W | 0 | 0 | 0 | 1 |
| 176.67W | 0 | 0 | 0 | 1 |
| 177.14W | 0 | 0 | 0 | 1 |
| 177.61W | 0 | 0 | 0 | 1 |
| 178.08W | 0 | 0 | 0 | 1 |
| 178.56W | 0 | 0 | 0 | 1 |
| 179.04W | 0 | 0 | 0 | 1 |
| 179.52W | 0 | 0 | 0 | 1 |
| 180W | 0 | 0 | 0 | 2 |
| 179.52E | 0 | 0 | 0 | 1 |
| 179.03E | 0 | 0 | 0 | 1 |
| 178.55E | 0 | 0 | 0 | 1 |
| 178.06E | 0 | 0 | 0 | 1 |
| 177.56E | 0 | 0 | 0 | 1 |
| 177.07E | 0 | 0 | 0 | 1 |
| 176.57E | 0 | 0 | 0 | 1 |
| 176.08E | 0 | 0 | 0 | 1 |
| 175.58E | 0 | 0 | 0 | 1 |
| 175.07E | 0 | 0 | 0 | 1 |
| 174.57E | 0 | 0 | 0 | 1 |
| 174.07E | 0 | 0 | 0 | 1 |
| 173.56E | 0 | 0 | 0 | 1 |
| 173.05E | 0 | 0 | 0 | 1 |
| 172.54E | 0 | 0 | 0 | 1 |
| 172.02E | 0 | 0 | 0 | 2 |
| 171.51E | 0 | 0 | 0 | 1 |
| 170.99E | 0 | 0 | 0 | 1 |
| 170.47E | 0 | 0 | 0 | 1 |
| 169.95E | 0 | 0 | 0 | 1 |
| 169.42E | 0 | 0 | 0 | 1 |
| 168.9E | 0 | 0 | 0 | 1 |
| 168.37E | 0 | 0 | 0 | 1 |
| 167.84E | 0 | 0 | 0 | 1 |

| | | | | |
|---------|---|---|---|---|
| 167.31E | 0 | 0 | 0 | 1 |
| 166.78E | 0 | 0 | 0 | 2 |
| 166.24E | 0 | 0 | 0 | 1 |
| 165.7E | 0 | 0 | 0 | 1 |
| 165.16E | 0 | 0 | 0 | 1 |
| 164.62E | 0 | 0 | 0 | 1 |
| 164.08E | 0 | 0 | 0 | 1 |
| 163.54E | 0 | 0 | 0 | 1 |
| 162.99E | 0 | 0 | 0 | 2 |
| 162.44E | 0 | 0 | 0 | 1 |
| 161.9E | 0 | 0 | 0 | 1 |
| 161.34E | 0 | 0 | 0 | 1 |
| 160.79E | 0 | 0 | 0 | 0 |
| 160.24E | 0 | 0 | 0 | 1 |
| 159.68E | 0 | 0 | 0 | 1 |
| 159.13E | 0 | 0 | 0 | 1 |
| 158.57E | 0 | 0 | 0 | 1 |
| 158.01E | 0 | 0 | 0 | 0 |
| 157.45E | 0 | 0 | 0 | 1 |
| 156.88E | 0 | 0 | 0 | 1 |
| 156.32E | 0 | 0 | 0 | 1 |
| 155.75E | 0 | 0 | 0 | 1 |
| 155.19E | 0 | 0 | 0 | 1 |
| 154.62E | 0 | 0 | 0 | 1 |
| 154.05E | 0 | 0 | 0 | 1 |
| 153.48E | 0 | 0 | 0 | 1 |
| 152.91E | 0 | 0 | 0 | 1 |
| 152.33E | 0 | 0 | 0 | 0 |
| 151.76E | 0 | 0 | 0 | 1 |
| 151.18E | 0 | 0 | 0 | 1 |
| 150.61E | 0 | 0 | 0 | 1 |
| 150.03E | 0 | 0 | 0 | 1 |
| 149.45E | 0 | 0 | 0 | 1 |
| 148.87E | 0 | 0 | 0 | 0 |
| 148.29E | 0 | 0 | 0 | 1 |
| 147.71E | 0 | 0 | 0 | 0 |
| 147.13E | 0 | 0 | 0 | 0 |
| 146.55E | 0 | 0 | 0 | 0 |
| 145.97E | 0 | 0 | 0 | 0 |
| 145.39E | 0 | 0 | 0 | 1 |
| 144.8E | 0 | 0 | 0 | 1 |
| 144.22E | 0 | 0 | 0 | 0 |
| 143.63E | 0 | 0 | 0 | 0 |
| 143.05E | 0 | 0 | 0 | 0 |
| 142.46E | 0 | 0 | 0 | 0 |
| 141.88E | 0 | 0 | 0 | 0 |
| 141.29E | 0 | 0 | 0 | 0 |

PX41 Hawaii - Taiwan/Hong Kong (LDX)

Not Sampled

PX42 Hawaii - New Guinea/Solomon Islands (LDX)

Not Sampled

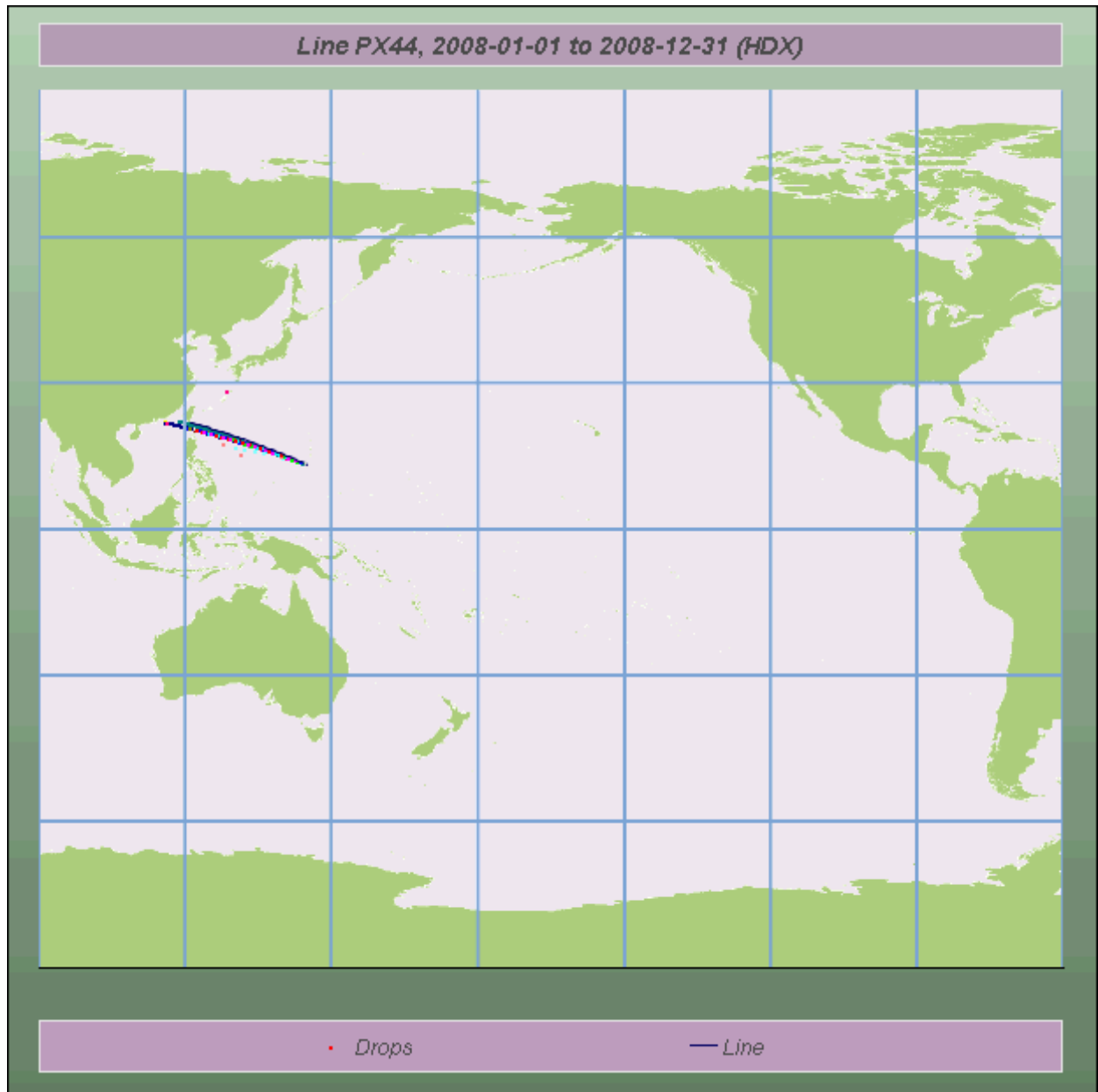
PX43 Hawaii - Marshall Islands - Guam (LDX)

Not Sampled

PX44 Guam - HongKong/Taiwan (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

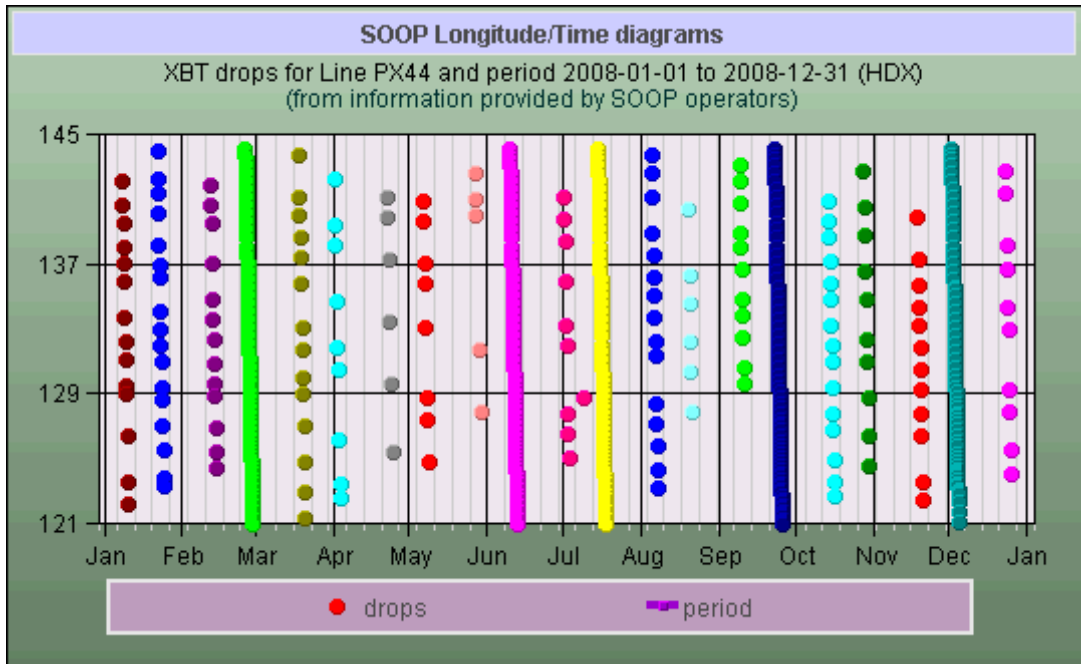
| Program | ShipName | CallSign | Drops | Transects |
|--------------|---------------|----------|-------|-----------|
| SOO SEAS/SIO | HORIZON TIGER | WDD6042 | 128 | 11 |
| SOO SEAS/SIO | Horizon Hawk | WDD6033 | 503 | 10 |
| Total | | | 631 | 21 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 216 | 100 |
| Boxes empty | 13 | 6 |
| Boxes filled (at least 1 drop): | 203 | 94 |
| Boxes OK (1 or 2 drops): | 104 | 48 |
| Boxes oversampled (>=3 drops): | 99 | 46 |

2D space-time diagram:



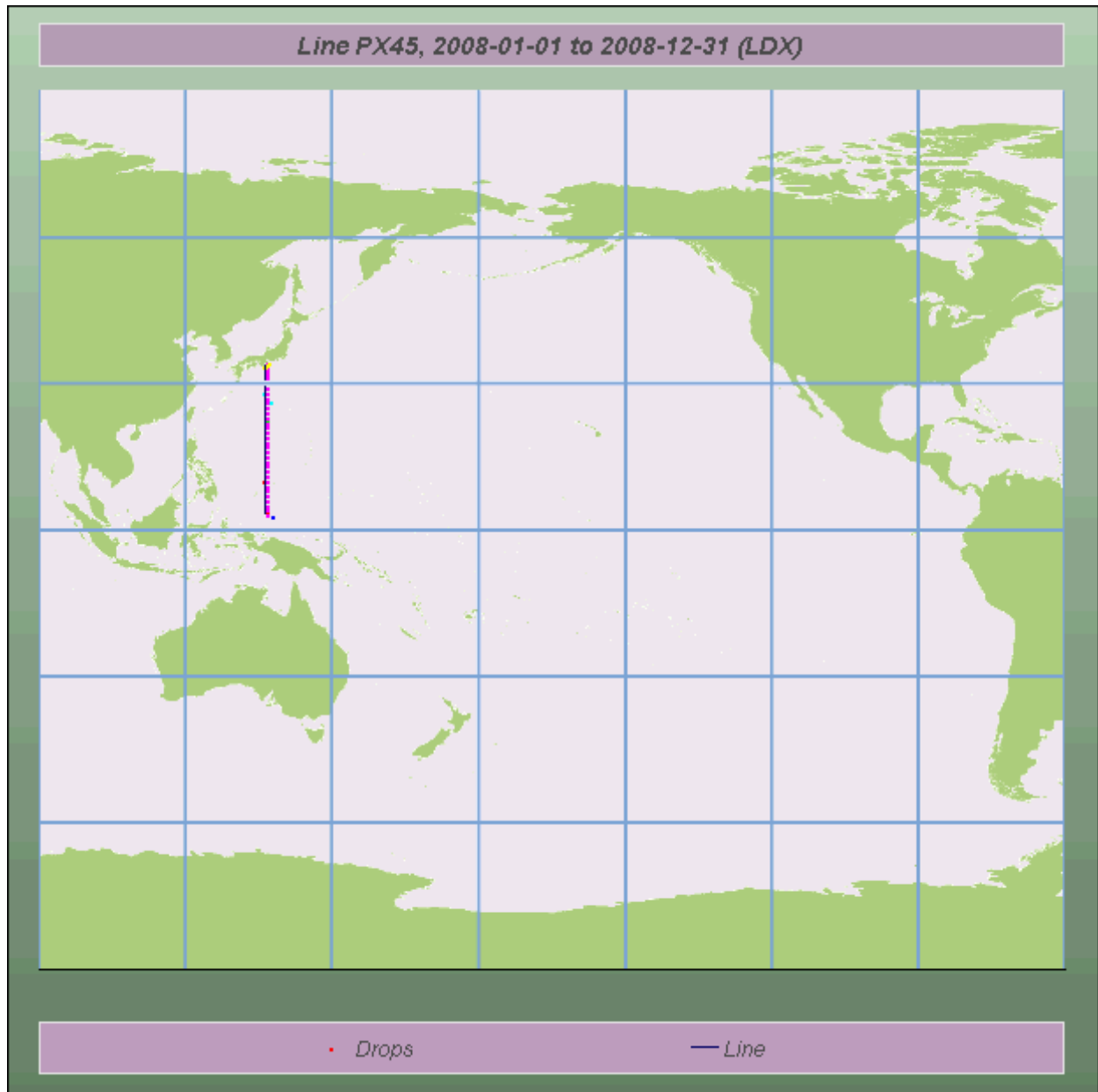
| PX44 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|---------|------------|------------|------------|------------|
| 144.79E | 0 | 0 | 0 | 0 |
| 144.36E | 0 | 1 | 2 | 1 |
| 143.94E | 4 | 1 | 3 | 1 |
| 143.51E | 1 | 1 | 2 | 1 |
| 143.08E | 1 | 1 | 3 | 1 |
| 142.65E | 1 | 2 | 3 | 3 |
| 142.22E | 3 | 2 | 3 | 1 |
| 141.8E | 2 | 1 | 2 | 1 |
| 141.36E | 3 | 2 | 4 | 2 |
| 140.93E | 1 | 2 | 1 | 1 |
| 140.5E | 2 | 1 | 3 | 2 |
| 140.07E | 3 | 3 | 4 | 2 |
| 139.64E | 3 | 3 | 2 | 2 |
| 139.2E | 1 | 1 | 3 | 1 |
| 138.77E | 2 | 1 | 4 | 3 |
| 138.33E | 3 | 2 | 3 | 2 |
| 137.9E | 1 | 1 | 3 | 1 |
| 137.46E | 2 | 2 | 2 | 2 |
| 137.02E | 3 | 1 | 0 | 2 |
| 136.59E | 1 | 1 | 4 | 2 |
| 136.15E | 3 | 2 | 4 | 2 |
| 135.71E | 2 | 1 | 2 | 3 |

| | | | | |
|---------|----|----|----|---|
| 135.27E | 2 | 1 | 4 | 2 |
| 134.83E | 1 | 2 | 3 | 2 |
| 134.38E | 2 | 1 | 2 | 3 |
| 133.94E | 3 | 1 | 4 | 0 |
| 133.5E | 2 | 3 | 3 | 3 |
| 133.05E | 1 | 1 | 1 | 2 |
| 132.61E | 3 | 1 | 4 | 2 |
| 132.16E | 3 | 2 | 4 | 3 |
| 131.72E | 1 | 1 | 3 | 1 |
| 131.27E | 4 | 1 | 3 | 3 |
| 130.82E | 1 | 2 | 3 | 2 |
| 130.37E | 2 | 1 | 3 | 1 |
| 129.92E | 3 | 2 | 3 | 2 |
| 129.47E | 6 | 2 | 4 | 4 |
| 129.02E | 3 | 3 | 3 | 3 |
| 128.57E | 2 | 2 | 5 | 1 |
| 128.12E | 1 | 2 | 3 | 4 |
| 127.66E | 1 | 2 | 2 | 3 |
| 127.21E | 5 | 2 | 6 | 2 |
| 126.75E | 3 | 1 | 3 | 3 |
| 126.3E | 2 | 3 | 5 | 2 |
| 125.84E | 5 | 6 | 7 | 2 |
| 125.38E | 5 | 6 | 11 | 2 |
| 124.93E | 7 | 5 | 11 | 3 |
| 124.47E | 5 | 4 | 9 | 4 |
| 124.01E | 6 | 5 | 11 | 4 |
| 123.55E | 6 | 5 | 9 | 5 |
| 123.09E | 6 | 6 | 12 | 7 |
| 122.62E | 9 | 10 | 16 | 2 |
| 122.16E | 11 | 9 | 19 | 3 |
| 121.7E | 0 | 0 | 0 | 4 |
| 121.23E | 0 | 0 | 0 | 1 |

PX45 (3N, 137E) - (34N,137E) (LDX)

Summary of drops by SOOP operator and ship:

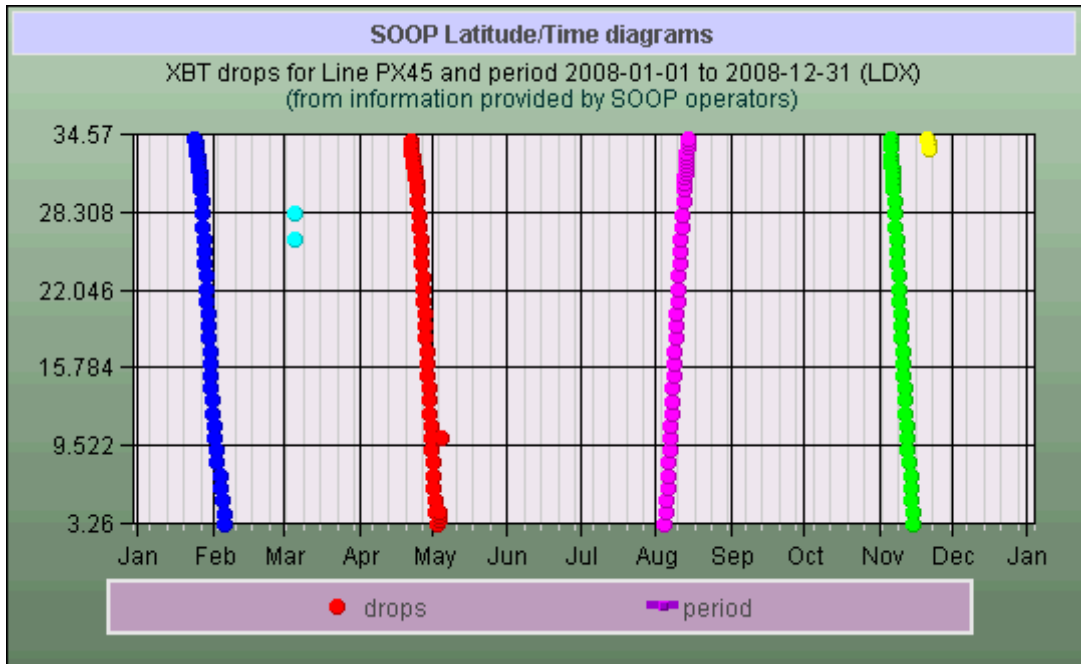
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------|----------|-------|-----------|
| SOO JMA | KEIFU MARU | JPBN | 89 | 4 |
| SOO JMA | RYOFU-MARU | JGQH | 78 | 2 |
| Total | | | 167 | 6 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 276 | 100 |
| Boxes empty | 181 | 66 |
| Boxes filled (at least 1 drop): | 95 | 34 |
| Boxes OK (1 or 2 drops): | 81 | 29 |
| Boxes oversampled (>=3 drops): | 14 | 5 |

2D space-time diagram:



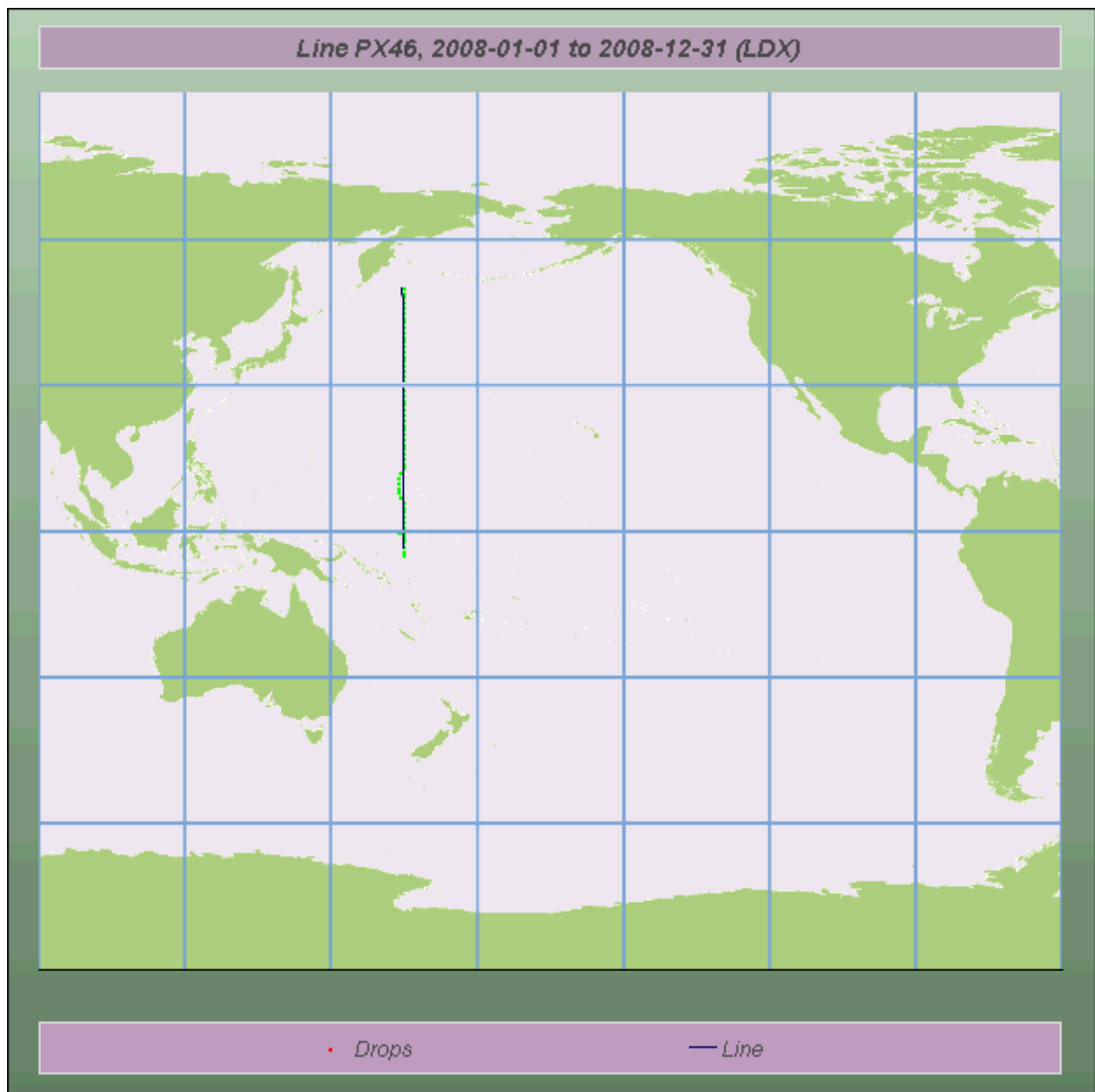
| PX4 5 | 16/01/2 008 | 15/02/2 008 | 17/03/2 008 | 16/04/2 008 | 16/05/2 008 | 16/06/2 008 | 16/07/2 008 | 16/08/2 008 | 15/09/2 008 | 16/10/2 008 | 15/11/2 008 | 16/12/2 008 |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 33.6 1N | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 7 | 0 |
| 32.2 6N | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| 30.9 1N | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 |
| 29.5 7N | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 28.2 2N | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 26.8 7N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 25.5 2N | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 24.1 7N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 22.8 2N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 21.4 7N | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 20.1 2N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 18.7 7N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 17.4 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |

| | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 2N | | | | | | | | | | | | |
| 16.0 8N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 14.7 3N | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 13.3 8N | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 12.0 3N | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 10.6 8N | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 |
| 9.33 N | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 |
| 7.98 N | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 6.63 N | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| 5.28 N | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 3.93 N | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |

PX46 (3S, 165E) - (50N, 165E) (LDX)

Summary of drops by SOOP operator and ship:

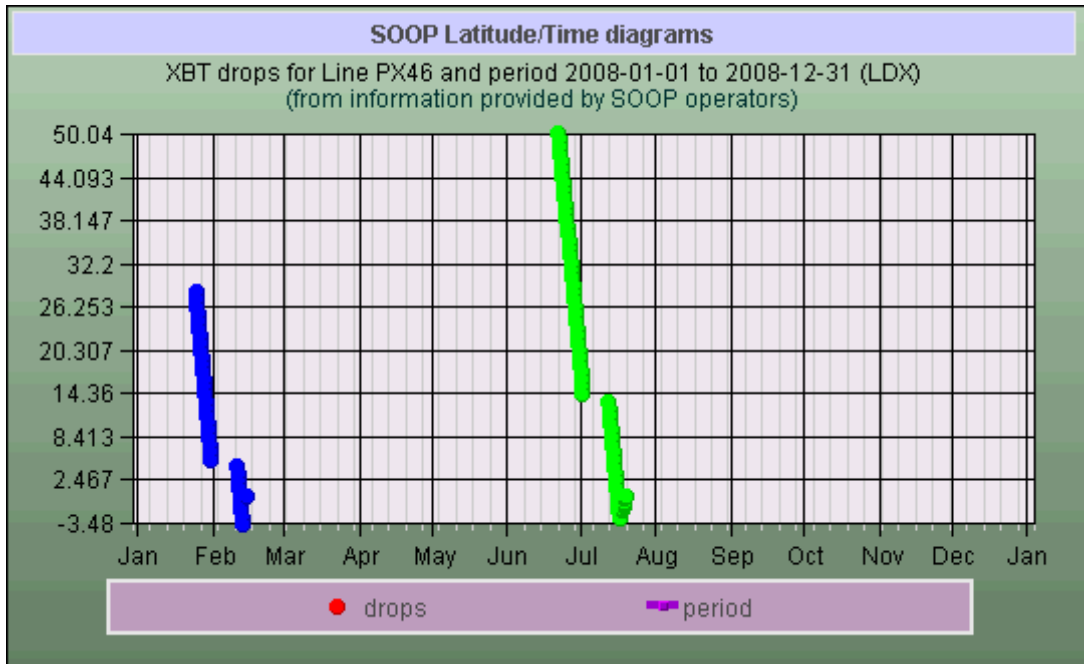
| Program | ShipName | CallSign | Drops | Transects |
|--------------|------------|----------|-------|-----------|
| SOO JMA | KEIFU MARU | JPBN | 101 | 2 |
| Total | | | 101 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 480 | 100 |
| Boxes empty | 415 | 86 |
| Boxes filled (at least 1 drop): | 65 | 14 |
| Boxes OK (1 or 2 drops): | 63 | 13 |
| Boxes oversampled (>=3 drops): | 2 | 0 |

2D space-time diagram:



| PX4 6 | 16/01/2 008 | 15/02/2 008 | 17/03/2 008 | 16/04/2 008 | 16/05/2 008 | 16/06/2 008 | 16/07/2 008 | 16/08/2 008 | 15/09/2 008 | 16/10/2 008 | 15/11/2 008 | 16/12/2 008 |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 49.8 N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48.4 6N | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47.1 1N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45.7 6N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44.4 1N | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43.0 6N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41.7 1N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40.3 6N | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39.0 1N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37.6 6N | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36.3 1N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34.9 7N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 2N | | | | | | | | | | | | |
| 32.2 7N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30.9 2N | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29.5 7N | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28.2 2N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26.8 7N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25.5 2N | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24.1 7N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22.8 3N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.4 8N | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20.1 3N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18.7 8N | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.4 3N | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 16.0 8N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 14.7 3N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 13.3 8N | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 12.0 3N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 10.6 8N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 9.34 N | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 7.99 N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 6.64 N | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 5.29 N | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 3.94 N | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2.59 N | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 1.24 N | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0.11 S | 0 | 2 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| 1.46 S | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| 2.81 S | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

PX47 Alaska - California (LDX)

Not Sampled

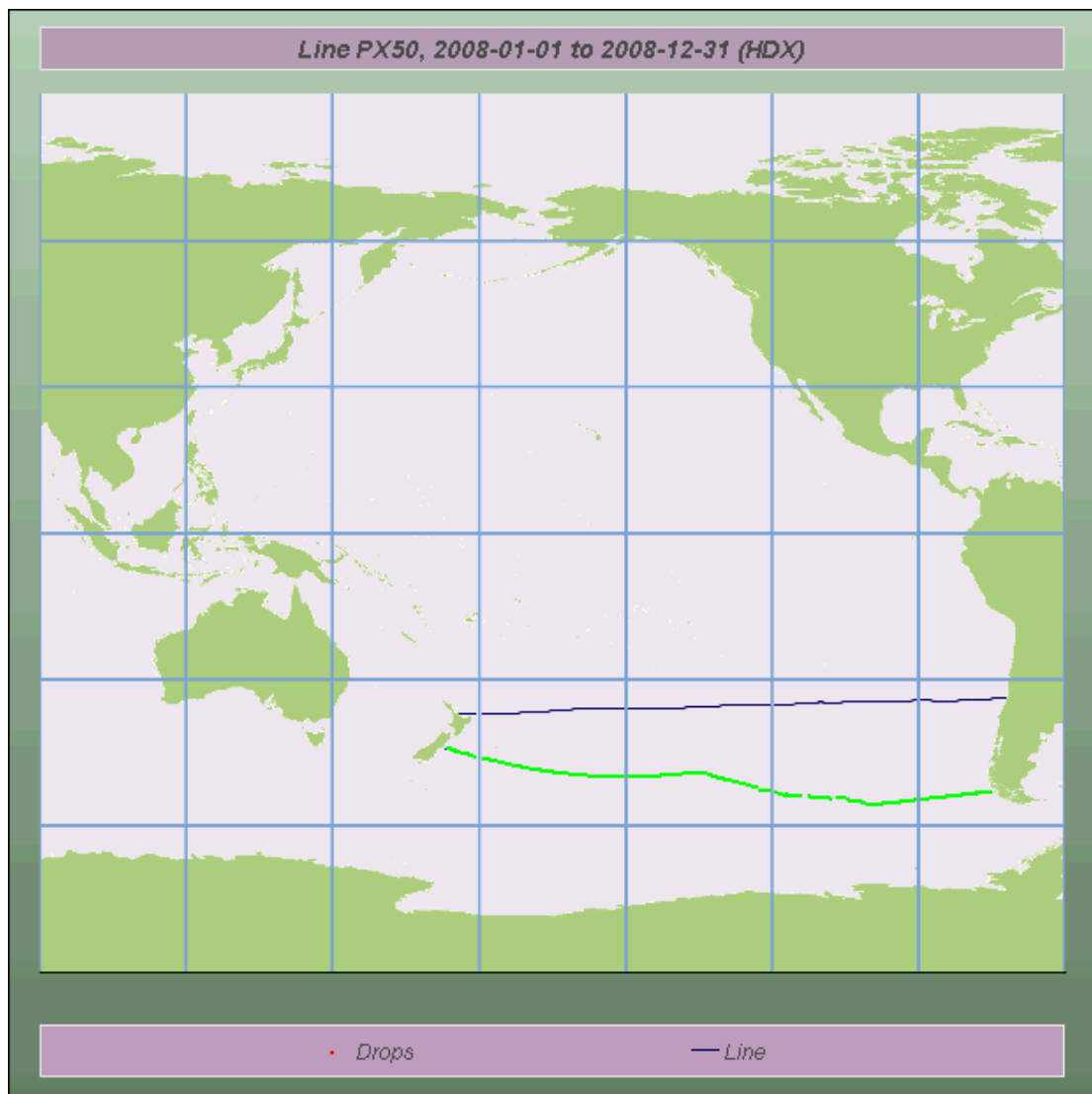
PX49 Japan/Taiwan – Singapore (LDX)

Not Sampled

PX50 Valparaiso – Auckland (HDX, Thermal review HDX)

Summary of drops by SOOP operator and ship:

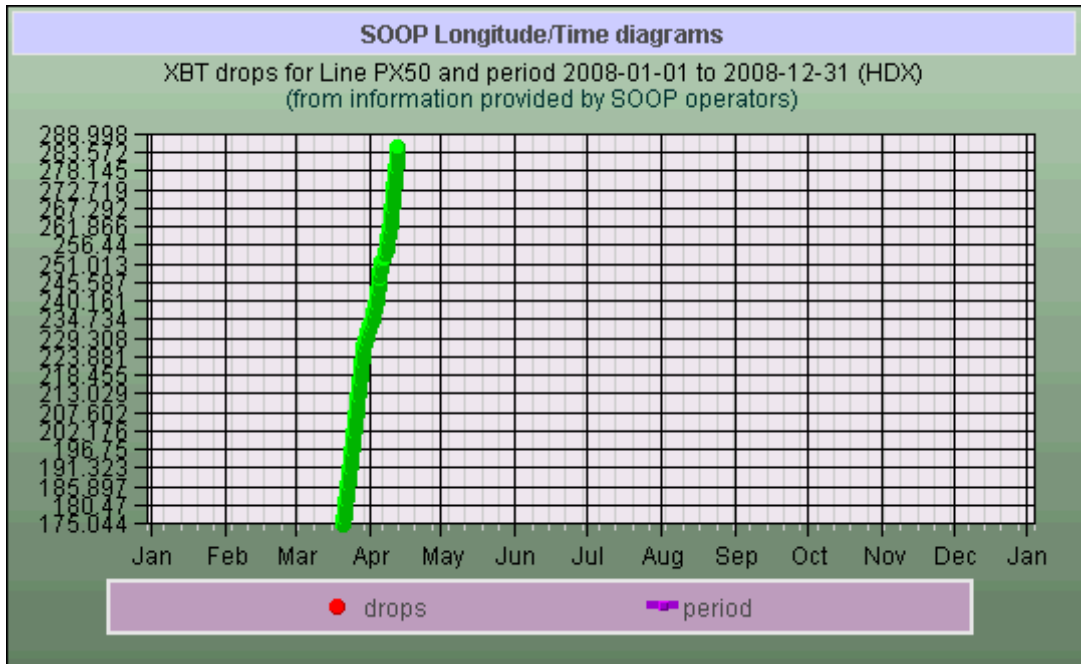
| Program | ShipName | CallSign | Drops | Transects |
|--------------|---------------------|----------|-------|-----------|
| SOO SIO | NATHANIEL B. PALMER | WBP3210 | 273 | 2 |
| Total | | | 273 | 2 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 768 | 100 |
| Boxes empty | 625 | 81 |
| Boxes filled (at least 1 drop): | 143 | 19 |
| Boxes OK (1 or 2 drops): | 124 | 16 |
| Boxes oversampled (>=3 drops): | 19 | 2 |

2D space-time diagram:



| PX50 | 15/02/2008 | 16/05/2008 | 16/08/2008 | 15/11/2008 |
|--------|------------|------------|------------|------------|
| 71.2W | 0 | 0 | 0 | 0 |
| 71.6W | 0 | 0 | 0 | 0 |
| 72W | 0 | 0 | 0 | 0 |
| 72.4W | 0 | 0 | 0 | 0 |
| 72.81W | 0 | 0 | 0 | 0 |
| 73.22W | 0 | 0 | 0 | 0 |
| 73.63W | 0 | 0 | 0 | 0 |
| 74.04W | 0 | 0 | 0 | 0 |
| 74.46W | 0 | 0 | 0 | 0 |
| 74.88W | 0 | 0 | 0 | 0 |
| 75.31W | 0 | 0 | 0 | 0 |
| 75.74W | 0 | 0 | 0 | 0 |
| 76.17W | 0 | 0 | 0 | 0 |
| 76.6W | 0 | 0 | 0 | 0 |
| 77.04W | 0 | 0 | 0 | 0 |
| 77.48W | 0 | 0 | 0 | 0 |
| 77.92W | 0 | 0 | 0 | 0 |
| 78.37W | 0 | 0 | 0 | 0 |
| 78.82W | 0 | 0 | 0 | 0 |
| 79.28W | 0 | 0 | 0 | 0 |
| 79.74W | 0 | 0 | 0 | 0 |
| 80.2W | 0 | 0 | 0 | 0 |

| | | | | |
|---------|---|----|---|---|
| 80.67W | 0 | 0 | 0 | 0 |
| 81.14W | 0 | 0 | 0 | 0 |
| 81.61W | 0 | 0 | 0 | 0 |
| 82.09W | 0 | 0 | 0 | 0 |
| 82.57W | 0 | 0 | 0 | 0 |
| 83.06W | 0 | 0 | 0 | 0 |
| 83.55W | 0 | 0 | 0 | 0 |
| 84.04W | 0 | 0 | 0 | 0 |
| 84.54W | 0 | 0 | 0 | 0 |
| 85.04W | 0 | 0 | 0 | 0 |
| 85.54W | 0 | 3 | 0 | 0 |
| 86.05W | 0 | 10 | 0 | 0 |
| 86.57W | 0 | 2 | 0 | 0 |
| 87.09W | 0 | 2 | 0 | 0 |
| 87.61W | 0 | 7 | 0 | 0 |
| 88.13W | 0 | 4 | 0 | 0 |
| 88.66W | 0 | 3 | 0 | 0 |
| 89.2W | 0 | 4 | 0 | 0 |
| 89.74W | 0 | 2 | 0 | 0 |
| 90.28W | 0 | 2 | 0 | 0 |
| 90.83W | 0 | 2 | 0 | 0 |
| 91.38W | 0 | 2 | 0 | 0 |
| 91.94W | 0 | 2 | 0 | 0 |
| 92.5W | 0 | 1 | 0 | 0 |
| 93.07W | 0 | 2 | 0 | 0 |
| 93.64W | 0 | 1 | 0 | 0 |
| 94.21W | 0 | 2 | 0 | 0 |
| 94.79W | 0 | 2 | 0 | 0 |
| 95.37W | 0 | 1 | 0 | 0 |
| 95.96W | 0 | 2 | 0 | 0 |
| 96.55W | 0 | 1 | 0 | 0 |
| 97.15W | 0 | 2 | 0 | 0 |
| 97.75W | 0 | 1 | 0 | 0 |
| 98.36W | 0 | 2 | 0 | 0 |
| 98.97W | 0 | 2 | 0 | 0 |
| 99.58W | 0 | 1 | 0 | 0 |
| 100.2W | 0 | 2 | 0 | 0 |
| 100.82W | 0 | 1 | 0 | 0 |
| 101.45W | 0 | 2 | 0 | 0 |
| 102.08W | 0 | 1 | 0 | 0 |
| 102.72W | 0 | 2 | 0 | 0 |
| 103.36W | 0 | 2 | 0 | 0 |
| 104W | 0 | 2 | 0 | 0 |
| 104.65W | 0 | 2 | 0 | 0 |
| 105.31W | 0 | 3 | 0 | 0 |
| 105.96W | 0 | 1 | 0 | 0 |
| 106.62W | 0 | 2 | 0 | 0 |
| 107.29W | 0 | 4 | 0 | 0 |
| 107.96W | 0 | 2 | 0 | 0 |
| 108.63W | 0 | 0 | 0 | 0 |
| 109.31W | 0 | 1 | 0 | 0 |
| 109.99W | 0 | 2 | 0 | 0 |
| 110.67W | 0 | 1 | 0 | 0 |

| | | | | |
|---------|---|---|---|---|
| 111.36W | 0 | 2 | 0 | 0 |
| 112.05W | 0 | 1 | 0 | 0 |
| 112.74W | 0 | 2 | 0 | 0 |
| 113.44W | 0 | 1 | 0 | 0 |
| 114.14W | 0 | 0 | 0 | 0 |
| 114.85W | 0 | 3 | 0 | 0 |
| 115.55W | 0 | 1 | 0 | 0 |
| 116.26W | 0 | 2 | 0 | 0 |
| 116.97W | 0 | 1 | 0 | 0 |
| 117.69W | 0 | 3 | 0 | 0 |
| 118.41W | 0 | 2 | 0 | 0 |
| 119.13W | 0 | 1 | 0 | 0 |
| 119.85W | 0 | 3 | 0 | 0 |
| 120.57W | 0 | 1 | 0 | 0 |
| 121.3W | 0 | 2 | 0 | 0 |
| 122.03W | 0 | 1 | 0 | 0 |
| 122.76W | 0 | 2 | 0 | 0 |
| 123.49W | 0 | 2 | 0 | 0 |
| 124.22W | 0 | 1 | 0 | 0 |
| 124.95W | 0 | 2 | 0 | 0 |
| 125.69W | 0 | 1 | 0 | 0 |
| 126.42W | 0 | 3 | 0 | 0 |
| 127.16W | 0 | 1 | 0 | 0 |
| 127.9W | 1 | 0 | 0 | 0 |
| 128.64W | 2 | 0 | 0 | 0 |
| 129.37W | 1 | 0 | 0 | 0 |
| 130.11W | 2 | 0 | 0 | 0 |
| 130.85W | 1 | 0 | 0 | 0 |
| 131.59W | 2 | 0 | 0 | 0 |
| 132.33W | 2 | 0 | 0 | 0 |
| 133.07W | 1 | 0 | 0 | 0 |
| 133.8W | 2 | 0 | 0 | 0 |
| 134.54W | 1 | 0 | 0 | 0 |
| 135.28W | 2 | 0 | 0 | 0 |
| 136.01W | 1 | 0 | 0 | 0 |
| 136.74W | 1 | 0 | 0 | 0 |
| 137.48W | 2 | 0 | 0 | 0 |
| 138.21W | 1 | 0 | 0 | 0 |
| 138.94W | 1 | 0 | 0 | 0 |
| 139.66W | 2 | 0 | 0 | 0 |
| 140.39W | 1 | 0 | 0 | 0 |
| 141.11W | 2 | 0 | 0 | 0 |
| 141.84W | 1 | 0 | 0 | 0 |
| 142.56W | 1 | 0 | 0 | 0 |
| 143.27W | 2 | 0 | 0 | 0 |
| 143.99W | 1 | 0 | 0 | 0 |
| 144.7W | 2 | 0 | 0 | 0 |
| 145.41W | 1 | 0 | 0 | 0 |
| 146.11W | 1 | 0 | 0 | 0 |
| 146.82W | 2 | 0 | 0 | 0 |
| 147.52W | 1 | 0 | 0 | 0 |
| 148.21W | 2 | 0 | 0 | 0 |
| 148.91W | 1 | 0 | 0 | 0 |

| | | | | |
|---------|----|---|---|---|
| 149.6W | 2 | 0 | 0 | 0 |
| 150.28W | 1 | 0 | 0 | 0 |
| 150.97W | 1 | 0 | 0 | 0 |
| 151.65W | 2 | 0 | 0 | 0 |
| 152.32W | 1 | 0 | 0 | 0 |
| 152.99W | 3 | 0 | 0 | 0 |
| 153.66W | 1 | 0 | 0 | 0 |
| 154.33W | 2 | 0 | 0 | 0 |
| 154.99W | 1 | 0 | 0 | 0 |
| 155.64W | 2 | 0 | 0 | 0 |
| 156.3W | 2 | 0 | 0 | 0 |
| 156.94W | 1 | 0 | 0 | 0 |
| 157.59W | 2 | 0 | 0 | 0 |
| 158.23W | 2 | 0 | 0 | 0 |
| 158.86W | 2 | 0 | 0 | 0 |
| 159.49W | 1 | 0 | 0 | 0 |
| 160.12W | 1 | 0 | 0 | 0 |
| 160.74W | 2 | 0 | 0 | 0 |
| 161.36W | 1 | 0 | 0 | 0 |
| 161.97W | 2 | 0 | 0 | 0 |
| 162.58W | 1 | 0 | 0 | 0 |
| 163.19W | 2 | 0 | 0 | 0 |
| 163.79W | 1 | 0 | 0 | 0 |
| 164.39W | 1 | 0 | 0 | 0 |
| 164.98W | 3 | 0 | 0 | 0 |
| 165.56W | 1 | 0 | 0 | 0 |
| 166.15W | 3 | 0 | 0 | 0 |
| 166.72W | 2 | 0 | 0 | 0 |
| 167.3W | 2 | 0 | 0 | 0 |
| 167.87W | 2 | 0 | 0 | 0 |
| 168.43W | 1 | 0 | 0 | 0 |
| 168.99W | 2 | 0 | 0 | 0 |
| 169.55W | 1 | 0 | 0 | 0 |
| 170.1W | 2 | 0 | 0 | 0 |
| 170.65W | 1 | 0 | 0 | 0 |
| 171.19W | 1 | 0 | 0 | 0 |
| 171.73W | 2 | 0 | 0 | 0 |
| 172.26W | 1 | 0 | 0 | 0 |
| 172.79W | 3 | 0 | 0 | 0 |
| 173.32W | 2 | 0 | 0 | 0 |
| 173.84W | 2 | 0 | 0 | 0 |
| 174.36W | 3 | 0 | 0 | 0 |
| 174.87W | 2 | 0 | 0 | 0 |
| 175.38W | 2 | 0 | 0 | 0 |
| 175.88W | 1 | 0 | 0 | 0 |
| 176.38W | 2 | 0 | 0 | 0 |
| 176.88W | 2 | 0 | 0 | 0 |
| 177.37W | 4 | 0 | 0 | 0 |
| 177.86W | 11 | 0 | 0 | 0 |
| 178.34W | 0 | 0 | 0 | 0 |
| 178.83W | 0 | 0 | 0 | 0 |
| 179.3W | 0 | 0 | 0 | 0 |
| 179.78W | 0 | 0 | 0 | 0 |

| | | | | |
|---------|---|---|---|---|
| 179.75E | 0 | 0 | 0 | 0 |
| 179.29E | 0 | 0 | 0 | 0 |
| 178.83E | 0 | 0 | 0 | 0 |
| 178.37E | 0 | 0 | 0 | 0 |
| 177.91E | 0 | 0 | 0 | 0 |
| 177.46E | 0 | 0 | 0 | 0 |
| 177.02E | 0 | 0 | 0 | 0 |
| 176.57E | 0 | 0 | 0 | 0 |
| 176.13E | 0 | 0 | 0 | 0 |
| 175.69E | 0 | 0 | 0 | 0 |
| 175.26E | 0 | 0 | 0 | 0 |

PX51 Hong Kong – Auckland (LDX)

Not Sampled

PX52 Japan – Fiji (LDX)

Not Sampled

PX53 Taiwan/Mindanao – Fiji (LDX)

Not Sampled

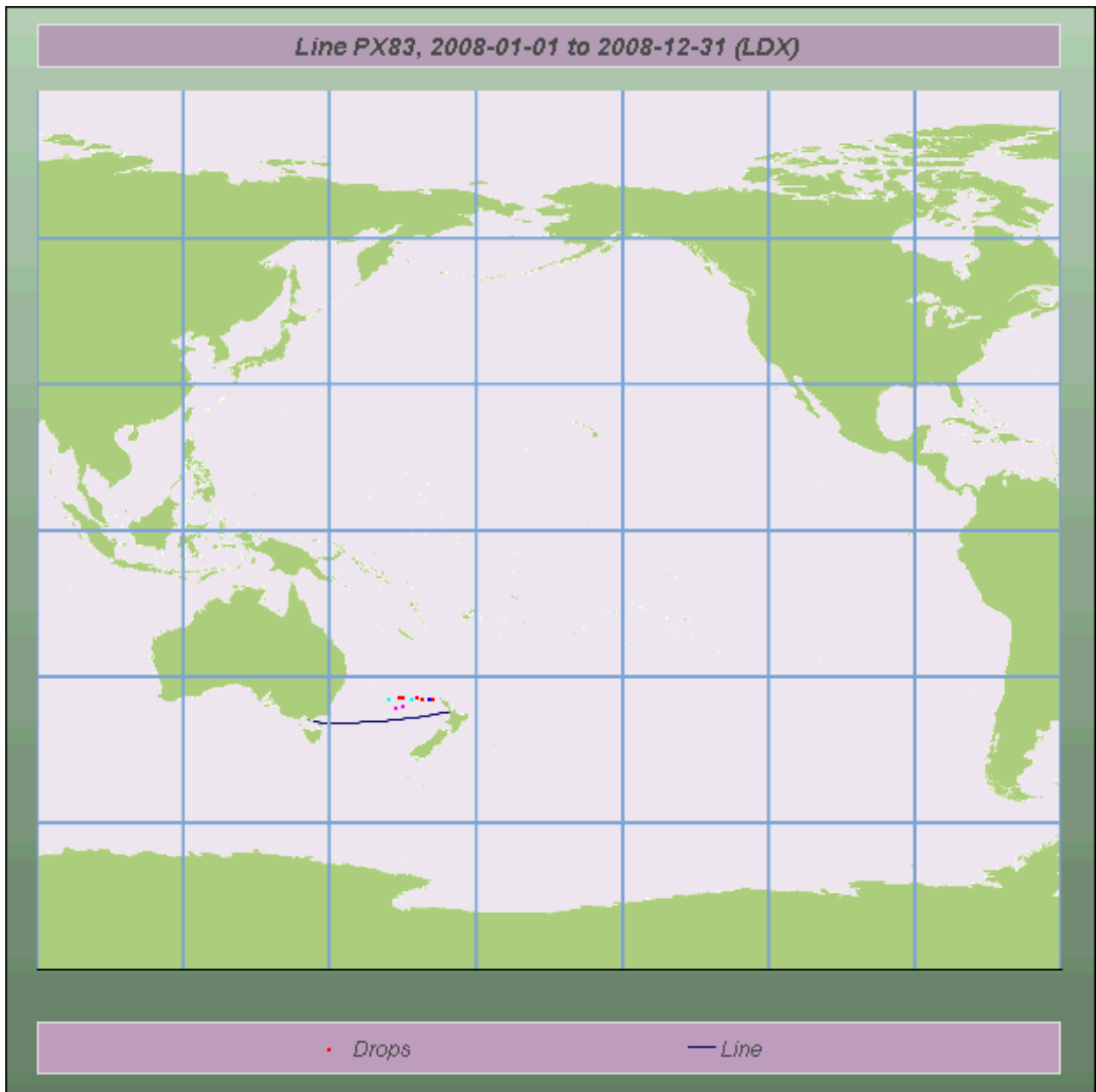
PX81 Honolulu - Coronel (Chile) (HDX, Thermal review HDX)

Not Sampled

PX83 Melbourne - Auckland (LDX)

Summary of drops by SOOP operator and ship:

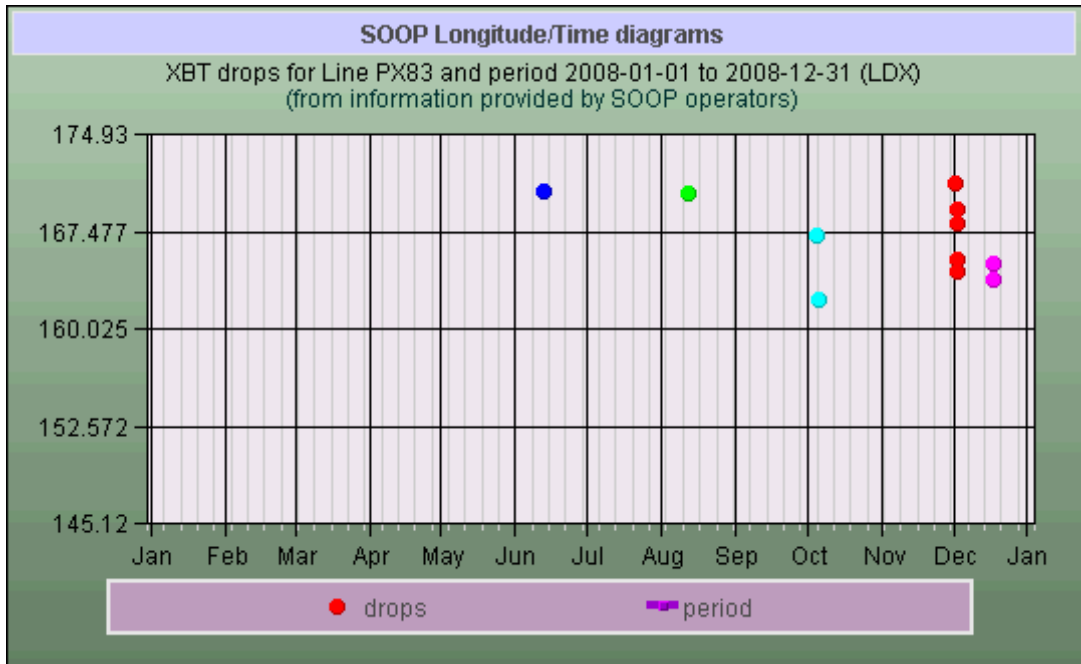
| Program | ShipName | CallSign | Drops | Transects |
|--------------|-------------------------|----------|-------|-----------|
| SOO SEAS/SIO | DIRECT CONDOR (LIBERIA) | A8AL3 | 11 | 5 |
| Total | | | 11 | 5 |



Summary for 2D space-time diagram :

| Item | Value | % |
|---------------------------------|-------|-----|
| Number of boxes | 72 | 100 |
| Boxes empty | 65 | 90 |
| Boxes filled (at least 1 drop): | 7 | 10 |
| Boxes OK (1 or 2 drops): | 5 | 7 |
| Boxes oversampled (>=3 drops): | 2 | 3 |

2D space-time diagram:



| PX83 | 16/01/2008 | 15/02/2008 | 17/03/2008 | 16/04/2008 | 16/05/2008 | 16/06/2008 | 16/07/2008 | 16/08/2008 | 15/09/2008 | 16/10/2008 | 15/11/2008 | 16/12/2008 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 172.6 2E | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 167.6 2E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 162.6 2E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 157.6 2E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.6 2E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147.6 2E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

XX01 No specific line assigned

Not Sampled

3. Useful links

Information about SOOP Sampling can be found on the following web pages:

- http://www.jcommops.org/soop/soop_report.html
(web page dedicated to the SOOP Annual Report)
- <http://wo.jcommops.org/cgi-bin/WebObjects/SOOPIndicators>
(Charts and tables of sampling for the SOOP Programs and Lines, including computation of Space vs. Time 2D tables for each line)
- <http://wo.jcommops.org/cgi-bin/WebObjects/JCOMMOPS.woa/wa/soopLine>
(definition of SOOP lines)

View SOOP maps with the following tools:

- <http://wo.jcommops.org/cgi-bin/WebObjects/JCOMMOPS.woa/wa/map?prog=SOOP>
(static monthly/yearly maps from JCOMMOPS database)
- <http://w4.jcommops.org/WebSite/SOOP> **(UPDATED)**
(Interactive map: annual reports, monthly, daily GTS data)
- <http://www.jcommops.org/FTPRoot/SOT/SOOP/Maps>
(static maps in high resolution)
- <http://www.jcommops.org/FTPRoot/SOT/SOOP/status/>
GIS Files: soop_current.shp (daily update, current month data), soop_monthly.shp (monthly update, previous month), soop_yearly.shp (2008 metadata submitted to JCOMMOPS), soop_yearly_gts.shp (2008 GTS statistics)
- http://www.jcommops.org/FTPRoot/SOT/SOOP/Survey/2008_metadata_soop.txt
(Full metadata used for this report, including fall-rate equation coefficients when they are available)

N.B.: All maps and tables used in this report are attached within the pdf file.