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|  | **ASAP Report for 2016** | **Country =** | **EIG EUMETNET** |

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| **a.** | **All Ships Participating in ASAP in 2016** | | | | | | | | | |
| Type of ship  (1) | | Ship name | Callsign | Comms method  (2) | Windfind method / sonde type  (3) | Launch method  (4) | Launch height  (5) | Area of operation  (6) | ASAP ID No. | Active Y / N ? |
| Research | | Maria S. Merian | DBBT | Iridium | GPS/Vaisala RS92 | Container (semi automatic) | ca. 15 m | Worldwide | ASEU01 | Y |
| Merchant | | Liverpool Express | DDSD2 | Iridium | GPS/Vaisala RS92 | Container (semi automatic) | ca. 22 m | North Atlantic | ASEU02 | Y |
| Merchant | | Atlantic Cartier | SCKB | Iridium | GPS/GRAW DFM-09 | Container (semi automatic) | ca. 29 m | North Atlantic | ASEU03 | Y |
| Merchant | | Ottawa Express | ZCBF3 | Iridium | GPS/Vaisala RS92 | Container (semi automatic) | ca. 22 m | North Atlantic | ASEU04 | Y |
| Merchant | | Atlantic Star | 2ITA4 | Iridium | GPS/GRAW DFM-09 | Manual launcher | ca. 42 m | North Atlantic | ASEU05 | Y |
| Merchant | | Atlantic Conveyor | SCKM | Iridium | GPS/GRAW DFM-09 | Container (semi automatic) | ca. 29 m | North Atlantic | ASEU06 | Y |
| Merchant | | Atlantic Sail | 2JCC5 | Iridium | GPS/GRAW DFM-09 | Manual launcher | ca. 42 m | North Atlantic | ASDE01 | Y |
| Research | | Meteor | DBBH | Iridium | GPS/Vaisala RS92 | Container (semi automatic) | ca. 6 m | Worldwide | ASDE02 | Y |
| Merchant | | Atlantic Sea | 2JHW9 | Iridium | GPS/GRAW DFM-09 | Manual launcher | ca. 42 m | North Atlantic | ASDE03 | Y |
| Merchant | | Dublin Express | DDSB2 | Iridium | GPS/Vaisala RS92 | Manual launcher | ca. 22 m | North Atlantic | ASDE04 | N |
| Merchant | | Fort Saint Louis | FQFL | Iridium | GPS 3D Modem M10 | Manual launcher | 27 m | Atlantic | ASFR1 | Y |
| Merchant | | Fort Saint Pierre | FQFM | Iridium | GPS 3D Modem M10 | Manual launcher | 27 m | Atlantic | ASFR2 | Y |
| Merchant | | Fort Saint Georges | FQWZ | Iridium | GPS 3D Modem M10 | Manual launcher | 27 m | Atlantic | ASFR3 | Y |
| Merchant | | Fort Ste Marie | FQXJ | Iridium | GPS 3D Modem M10 | Manual launcher | 27 m | Atlantic | ASFR4 | Y |
| Merchant | | Naja Arctica | OXVH2 | Iridium | GPS/VaisalaRS41 | Container (semi automatic) | ca. 18 m | North Atlantic | ASDK01 | Y |
| Merchant | | Mary Arctica | OXGN2 | Iridium | GPS/VaisalaRS41 | Built-in launcher  (semi automatic) | ca. 15 m | North Atlantic | ASDK02 | Y |
| Merchant | | Nuka Arctica | OXYH2 | Iridium | GPS/VaisalaRS41 | Container (semi automatic) | ca. 18 m | North Atlantic | ASDK03 | Y |
| Supply | | Esperanza del Mar | EBUQ | Iridium | GPS/Vaisala RS92 | Container (semi automatic) | 12 m | Canary Islands, off Mauritania | ASES01 | Y |
| **(1) Type of ship**: Merchant, research, supply  **(2) Comms method**: Inmarsat C or others  **(3) Windfind method / sonde type**: eg. GPS/Vaisala RS80-G, Loran/Vaisala RS80-L, VIZ GPS Mark II Microsonde, etc  **(4) Launch method**: deck launcher (portable), deck launcher (fixed), container (manual), container (semi automatic), other  **(5) Launch height**: height above sea level from where the sonde is released  **(6) Ocean area**: North Pacific, North Atlantic, Indian Ocean, variable | | | | | | | | | | |

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| **b.** | **ASAP Performance** | | | | | | |
| Callsign | | Total number of sondes launched | Number of TEMP SHIP transmitted | Number of relaunches | Average terminal sounding height (km) | Balloon size (gm) | Percentage on GTS  (see note) |
| ASEU01 | | 193 |  |  | 28 | 350 | 92 |
| ASEU02 | | 277 |  |  | 27 | 350 | 95 |
| ASEU03 | | 327 |  |  | 23 | 350 | 90 |
| ASEU04 | | 199 |  |  | 25 | 350 | 78 |
| ASEU05 | | 34 |  |  | 21 | 200 | 68 |
| ASEU06 | | 326 |  |  | 24 | 350 | 89 |
| ASDE01 | | 209 |  |  | 22 | 200 | 87 |
| ASDE02 | | 200 |  |  | 25 | 200 | 99 |
| ASDE03 | | 283 |  |  | 21 | 200 | 94 |
| ASDE04 | | 220 |  |  | 24 | 200 | 93 |
| ASFR1 | | 348 |  |  | 27 | 350 | 93 |
| ASFR2 | | 179 |  |  | 24 | 350 | 94 |
| ASFR3 | | 300 |  |  | 26 | 350 | 99 |
| ASFR4 | | 290 |  |  | 26 | 350 | 96 |
| ASDK01 | | 426 |  |  | 27 | 300 | 74 |
| ASDK02 | | 416 |  |  | 25 | 300 | 90 |
| ASDK03 | | 372 |  |  | 24 | 300 | 70 |
| ASES01 | | 175 |  |  | 25 | 350 | 95 |
| The ‘Percentage on GTS’ is based on the number of launches on board versus the number of soundings on the GTS. This ratio includes failed launches and failed satcom transmissions. | | | | | | | |

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| **c.** | **Major Challenges and Difficulties** |
| **Major technical problems are damages of the electronic/mechanic equipment due to permanent vibrations of the ship as well as** **unfavourable launching conditions when sailing at ca. 20 knots (turbulences etc.). Further problems are changing operators on board which have to be trained.**  **Most ships in the E-ASAP fleet are merchant container ships. The ASAP stations are operated by the nautical staff beside their routine tasks. Experience and knowledge differ widely from operator to operator,** **particularly at crew changes. Thus, operating errors are difficult to avoid.** | |
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| **d.** | **Other Comments** |
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