

# Argo-España

*Parte de la estrategia global de observación del océano*



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## Report on Argo float WMO 6901247 deployment

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ARGO ESPAÑA - SOCIB - IEO / 21 - 64

Argo float deployment for  
**WMO 6901247**

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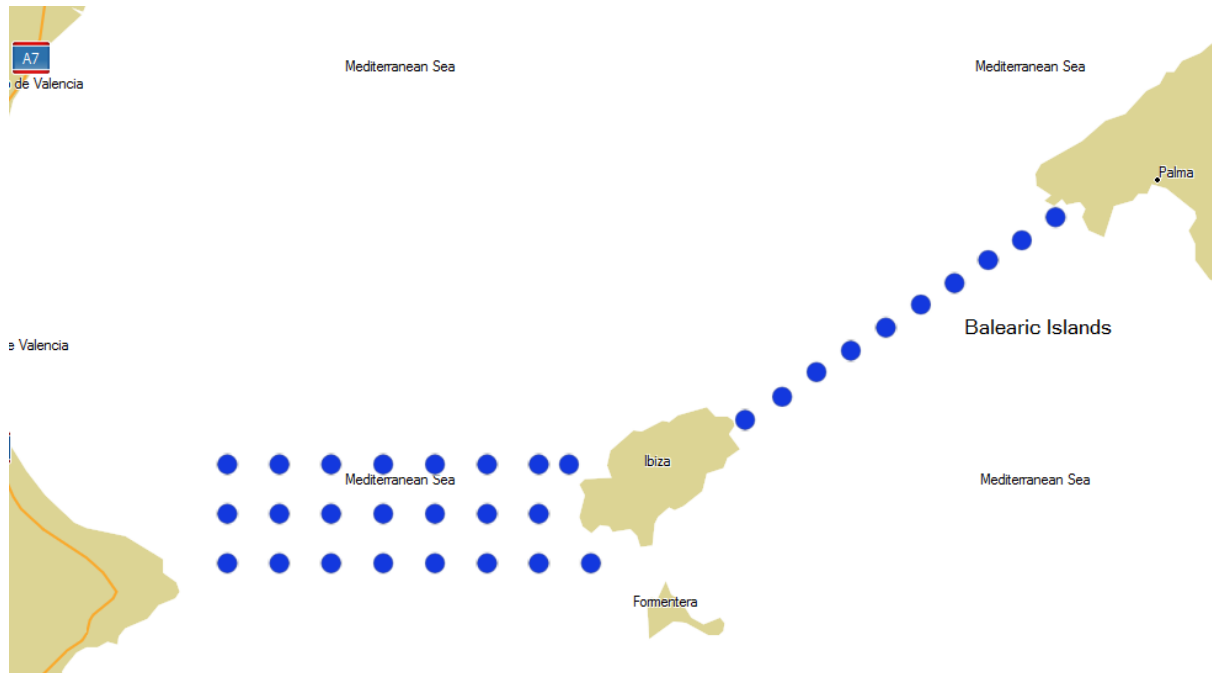


Figure 2. *Canales Summer 2015* cruise plan.

## 2. Deployment data

Information of the float deployments is shown in these paragraphs.

- a. **WMO 6901247.** The following table contains all the data of the WMO 6901247 deployment during *Canales Summer 2015* cruise, deployed at the middle of the south sampling line in the Ibiza Channel (Fig. 2). CTD cast is available close to the deployment location. Coriolis was notified and all the information was registered at the Argo Information Center database. The data is free and publicly available through the Argo data stream:

<http://www.oceanografia.es/argo/datos/floats/6901247.html>

|                             |                            |
|-----------------------------|----------------------------|
| <b>DATE AND TIME</b>        | 2015 - 07 - 14 / 12:00 UTC |
| <b>DEPLOYMENT LOCATION</b>  | 38.865 N 0.718E            |
| <b>DEPLOYMENT PLATFORM</b>  | R/V SOCIB                  |
| <b>CRUISE ID</b>            | <i>Canales Summer 2015</i> |
| <b>FLOAT OWNER</b>          | SOCIB                      |
| <b>PLATFORM TYPE</b>        | Apex                       |
| <b>SERIAL NUMBER</b>        | 6900                       |
| <b>TRANSMISSION SYSTEM</b>  | IRIDIUM                    |
| <b>PARKING DEPTH (m)</b>    | 700                        |
| <b>PROFILE DEPTH (m)</b>    | 2000                       |
| <b>DEPLOYMENT DEPTH (m)</b> | missing information        |
| <b>WEATHER CONDITIONS</b>   | missing information        |
| <b>IP CRUISE</b>            | John Allen                 |

Table 1. WMO 6901247 information deployment.

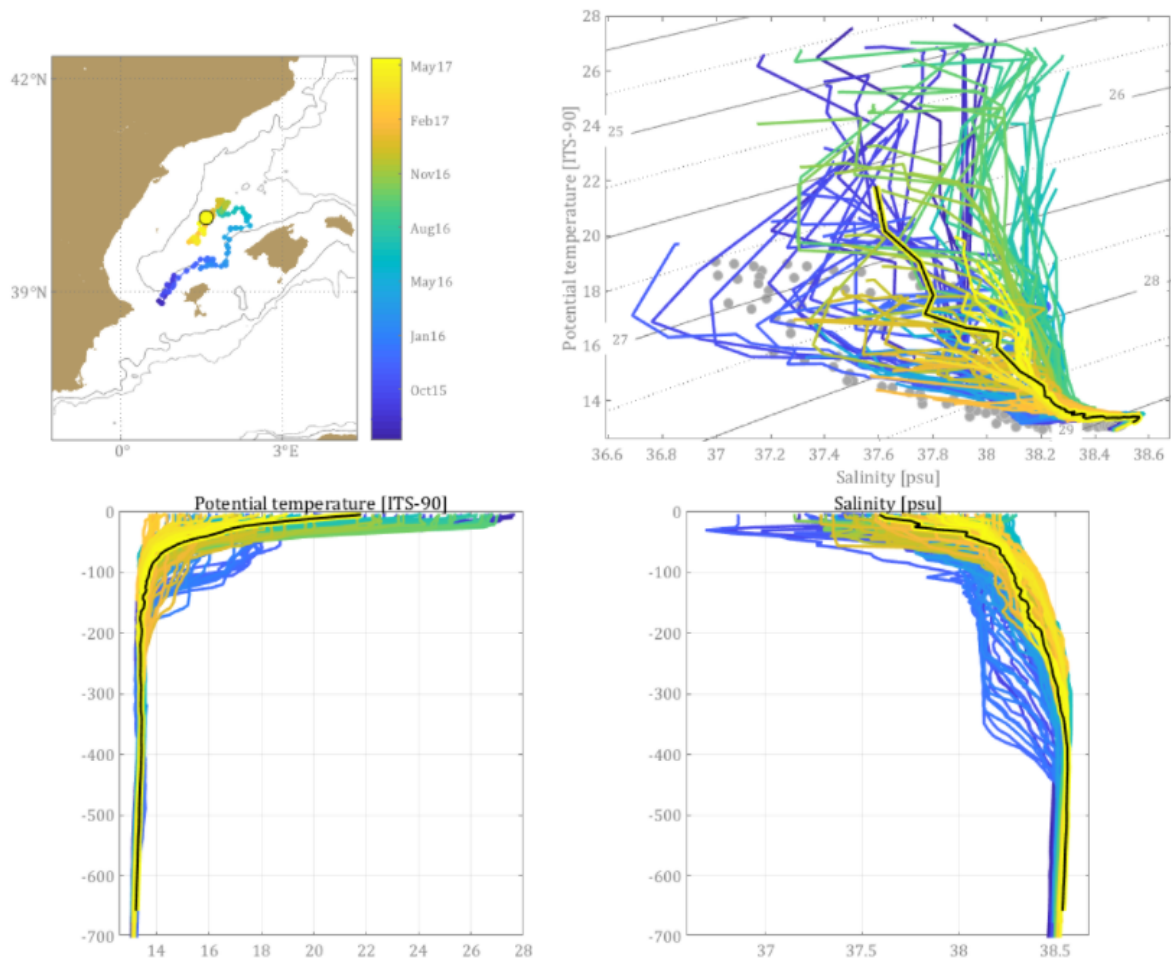


Figure 3. The trajectory of the float since the deployment is shown in the upper left side of the picture. T-S diagram of the data collected by WMO 6901247 is shown in the upper right side of the picture. The grey points are the climatology of the area. The black line is the first profile carried out by the float. The dark blue dashed line describes the CTD cast carried out from the R/V SOCIB. Potential Temperature and Salinity profiles are also shown in the lower side of the picture.

### 3. Float configuration

“MC” parameters (Fig. 4) were set according to the scientific requirements and the oceanographic area of study (Balearic Sea).

**Float configuration**

Mission configurations

| Cycles #                    | 1       | 2    | 3, 8-9 | 4    | 5, 7 | 6    | 10   | 11-12, 14-19 | 13   | 20   | 21, 24, 26-28 | 22-23, 25, 29 | 30   | 31-34 | 35-39 | 40   | 41-48 | 49   | 50   |      |
|-----------------------------|---------|------|--------|------|------|------|------|--------------|------|------|---------------|---------------|------|-------|-------|------|-------|------|------|------|
| CONFIG_CycleTime_minutes    | 1433.33 | 7200 | 7200   | 7200 | 7200 | 7200 | 7200 | 7200         | 7200 | 7200 | 7200          | 7200          | 7200 | 7200  | 7200  | 7200 | 7200  | 7200 | 7200 | 7200 |
| CONFIG_ParkPressure_dbar    | 700     | 700  | 700    | 700  | 700  | 700  | 700  | 700          | 700  | 700  | 700           | 700           | 700  | 700   | 700   | 700  | 700   | 700  | 700  | 700  |
| CONFIG_PistonPark_COUNT     | 87      | 87   | 77     | 47   | 78   | 73   | 77   | 77           | 78   | 77   | 78            | 77            | 78   | 77    | 78    | 78   | 78    | 78   | 77   | 77   |
| CONFIG_PistonProfile_COUNT  | 16      | 15   | 15     | 15   | 15   | 15   | 15   | 14           | 14   | 14   | 13            | 13            | 13   | 12    | 12    | 12   | 12    | 11   | 11   | 11   |
| CONFIG_ProfilePressure_dbar | 2000    | 700  | 700    | 700  | 700  | 700  | 2000 | 700          | 700  | 2000 | 700           | 700           | 2000 | 700   | 700   | 2000 | 700   | 700  | 700  | 2000 |

Mission parameters

|                               |                                 |                                  |
|-------------------------------|---------------------------------|----------------------------------|
| CYCLE_TIME                    | PR_CYCLE_PERIOD                 | PR_IMMERSION_DREFT_PERIOD        |
| 7200                          | 5                               | 9999                             |
| MissionCtgUpTime              | MissionCtgParkPistonPosition    | MissionCtgBuoyancyNudge          |
| 600                           | 87                              | 5                                |
| MissionCtgOrVacuumCount       | MissionCtgMaxAirBladderPressure | MissionCtgTargetProfilePistonPos |
| 96                            | 124                             | 16                               |
| MissionCtgParkAndProfileCount | RetractedPistonPos              | InitialBuoyancyNudge             |
| 10                            | 9                               | 22                               |
| CompensatorHyperRetraction    | ParkDescentPeriod               | MissionPreludePeriod             |
| 0                             | 190                             | 360                              |
| PRCFG_TimeOfDay               | PRCFG_Verboseity                | DEEP_PROFILE_FIRST               |
| 65534                         | 2                               | 1                                |

Figure 4. Configuration sheet for the float deployed during *Canales Summer 2015* cruise. Source: Argo Fleet monitoring tool

### 4. Acknowledgements

Argo España would like to thank Pedro Vélez and the crew of the R/V SOCIB, who cooperated for the success of the mission.