Bio Argo Data Management in Japan

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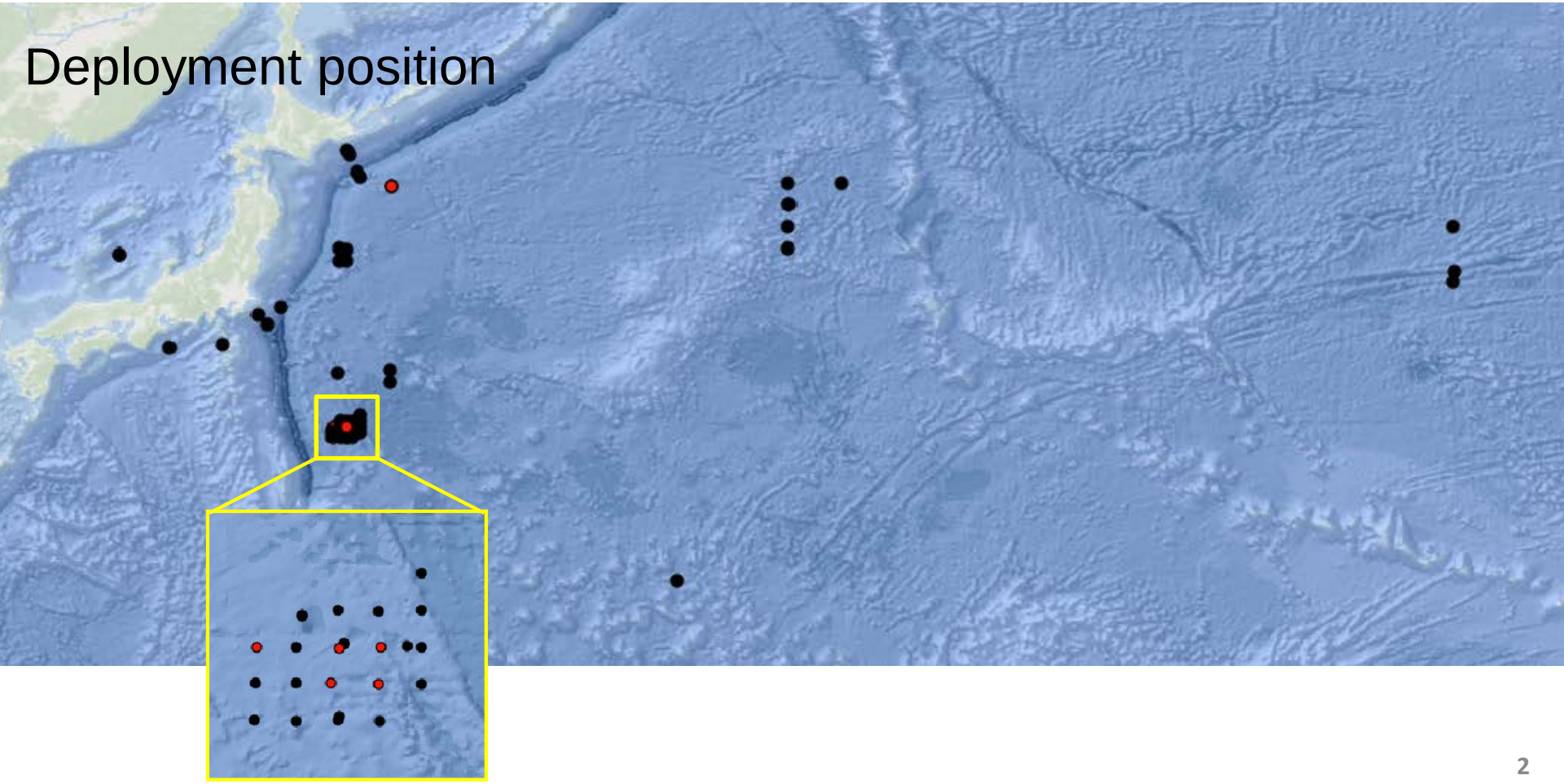
Information of Bio-Argo floats in Japan

- Japan deployed 77 floats with DOXY and Chl-a sensors.
- About 7,000 B-profile file have submitted to GDAC.



Information of Bio-Argo floats in Japan

- Japan has deployed Bio-floats equipped with DO and Chl-a sensors since 2005.
- B-profile file of Apex floats equipped with optode 4330 will be submitted soon.

Bio-Sensor	Float_type	PI	Number	Deployment year	Parameter
Optode3830	APEX	JAMSTEC	6	2005,2010	DOXY
		Tohoku Univ.	3	2005	
		TNFRI	5	2008	
	NEMO	JAMSTEC	22	2010-2012	
SBE43F	APEX	JAMSTEC	2	2005	
Optode4330	APEX	JAMSTEC	21	2012-2013	
ARO-FT (RINKO)	SOLO-II	JAMSTEC	2	2014	
FLNTURT	NINJA	Tohoku Univ.	3	2008	CHLA & TURBIDITY
Optode3830 & SBE43I	APEX	JAMSTEC	2	2009	DOXY & CHLA (or BBP or TURBIDITY)
SBE43F & FLNTUAPX	APEX	Tohoku Univ.	1	2006	
SBE43I & FLNTUAPX	APEX	JAMSTEC	2	2008	
		Tohoku Univ.	4	2008	
SBE43I & FLBB-AP2	APEX	Tohoku Univ.	3	2011	
Optode3830 & FLBB-AP2	APEX	JAMSTEC	1	2011	
Total			77		

The deployment plan of BGC floats in Japan

- JAMSTEC will deploy two BGC floats by March 2017.
  - A BGC-APEX equipped with optode 4330 and FLBB-AP2 will be deployed in the northwestern Pacific in November 2016.
  - A Deep-APEX equipped with optode 4831 in the Southern Ocean in February 2017.

Real-time data management

- Current status
  - DOXY data has been converted to NetCDF format version 3.1
  - CHLA, BBP and TURBIDITY data hasn't been converted to NetCDF yet
  - No RTQC is done
- Future plan
  - Convert CHLA, BBP and TURBIDITY data to NetCDF
  - Introduce RTQC according to BGC QC manual
  - Send DOXY data on the GTS in BUFR format