DATA BUOY COOPERATION PANEL (DBCP)

FORMAT FOR NATIONAL REPORTS ON CURRENT AND PLANNED BUOY PROGRAMMES

Country	Hong Kong, China
Year	2022

Please Identify your Programme's Major Opportunities and Challenges/Risks during the upcoming year and how DBCP can most effectively assist your Programme.

1. *CURRENT PROGRAMME:*

Please Identify your Programme's Major Opportunities and Challenges/Risks during the upcoming year and how DBCP may assist your Programme.

Agency or programme		
Number and type of buoys	(a) deployed during the year	Two drifting buoys were deployed on 10 and 11 July 2022 respectively.
	(b) operational as of 31 August	2
	(c) reporting on GTS as of 31 August	2
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[x]
	(b) met / ocean research	[]
	(c) developmental	[]
Main deployment areas	South China Sea	
Vandalism incidents	(a) Number of incidents	None

(repeat table above as often as necessary)

2. *PLANNED PROGRAMMES:*

Agency or programme		
Number and type of buoys	planned for deployment in the next 12 months	Five drifting buoys
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[x]
	(b) met / ocean research	[]
	(c) developmental	[]
Main deployment areas	South China Sea and western North Pacific	

(repeat table above as often as necessary)

3. *TECHNICAL DEVELOPMENTS:*

(a) Buoy design	● MetOcean Surface Velocity Program (SVP) drifting buoy attached with a holey sock drogue.
(b) Instrumentation	● Equipped with pressure and temperature sensors to measure air pressure and sea surface temperature.

4. PUBLICATIONS (on programme plans, technical developments, QC reports, etc.):

Ref	*Title*	*Type*[1]
1	Member Report – Hong Kong, China, ESCAP/WMO Typhoon Committee 16th Integrated Workshop, 2-3 December 2021, p.9-12 (available online at http://www.typhooncommittee.org/16IWS/docs/Members%20REport/HK/16th_IWS%20NEW%20MEMBERS%20REPORT_2021_Hong%20Kong_China_final.pdf)	Data use

(repeat rows in the table above as necessary)

5. ADDITIONAL COMMENTS:

(a) Quality of buoy data	● Performance of pressure and temperature sensors is checked before deployment. ● Real-time buoy data, including position and battery voltage, are closely monitored using a dedicated webpage. ● Quality of pressure and temperature data from the buoys is checked against observations from nearby land stations and voluntary observing ships, and is considered generally satisfactory.
(b) Communications	● Hourly data transmission via Iridium satellite.
(c) Buoy lifetimes	● A few months from date of deployment on average.
(d) Data Accessibility[2]	● Data are processed and distributed on GTS once received.
(e) New Observations[3]	Nil
(f) GFCS and WIGOS[4]	● The data are accessible on GTS for international exchange.
(g) Additional Requirements[5]	● Wave and wind measurements near the sea surface
(h) DBCP Linkages[6]	Nil
(i) Contribution to UN Decade and UN SDGs[7]	Nil
(j) Other (i.e. Impact of COVID19 on observing systems and mitigation efforts)	● All buoys were successfully deployed as planned with the assistance of two voluntary observing ships of Hong Kong, China despite the COVID-19 pandemic.

Note: It is recommended that this form is filled in electronically and returned also electronically to the Secretariat. A template of the form can be downloaded from the following SharePoint site: https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EQ1z8KndbxREkzE6RH4NFkkBDdvOItne74OP8f4voMMSbg?e=pgru6r

1: Types of publications: (1) Implementation, (2) Operations, (3) Instrumentation, (4) Quality Management, (5) Data Management, (6) Data collection and/or location, (7) Data use, (8) Other

2 How does the international community access the ocean observing data provided by your Organization

3 What new ocean observations does your Organization plan to make in the upcoming year (i.e. new parameters, expanding geographic scope, filling spatial or latency gaps)?

4 How do your Organization's observations contribute to the WMO's Integrated Global Observing System (WIGOS) and/or Global Framework for Climate Services (GFCS)?

5 What additional requirements (other than climate) does your organization have that are currently not adequately addressed by the DBCP?

6 How would your organization benefit from DBCP's closer linkages to the Global Ocean Observing System (GOOS), Data Management and Modelling Communities?

7 How do your ocean observing networks contributing to the UN decade on Ocean Science and UN Sustainable Development Gloas .

ANNEX - FORM FOR REPORTING INCIDENTS OF VANDALISM ON DATA BUOYS

Country								
Contact person e-mail								
Year	**Buoy Location**		**Type of Buoy (e.g. Tsunami / Met -Ocean Buoy/Drifter/ARGO floats/ Other)**	**Type of damage to buoy**	**Buoy id/WMO id**	**Number of days of transmission lost**	**Cost of replacement**	**Remarks (e.g. whether photos have been taken)**
	Latitude	**Longitude**						
Efforts taken against vandalism								
Awareness meeting Organised								
Suggestions (if any)								
Photos on Vandalism			(please include pictures if available; and email electronic versions to dbcp-tc@jcommops.org and karen.grissom@noaa.gov)					

Note: It is recommended that this form is filled in electronically and returned electronically also to OceanOPS(dbcp-tc@jcommops.org and karen.grissom@noaa.gov). A template of the form can be downloaded from the following SharePoint site: https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EXsq1FXv0vpHmOjQA-tTobwBMrNnjXnaQok3oudPhKIb3A?e=2IR9Wh