

**WORLD METEOROLOGICAL ORGANIZATION**

**INTERGOVERNMENTAL OCEANOGRAPHIC  
COMMISSION (OF UNESCO)**

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DATA BUOY COOPERATION PANEL

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DBCP-31/ Doc. 8.1  
(23-Sep-15)

THIRTY FIRST SESSION

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ITEM: 8.1

GENEVA, SWITZERLAND  
19-23 OCTOBER 2015

ENGLISH ONLY

**PROGRESS REPORT ON PILOT PROJECT ON THE IMPACT OF SLP FROM DRIFTERS ON  
NWP**

*(Submitted by Dr Luca Centurioni (USA), Chair, PP-SLP)*

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**SUMMARY AND PURPOSE OF DOCUMENT**

This document provides information on progress regarding the DBCP Pilot Project on the impact of Sea Level Pressure (SLP) from drifters on Numerical Weather Prediction (NWP).

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**ACTION PROPOSED**

The Meeting is invited to note the information contained in this document when discussing how it organises its work and formulates its recommendations.

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## DISCUSSION

### -A- DRAFT TEXT FOR INCLUSION IN THE FINAL REPORT

8.1.1 During DBCP-29 it was stated that scientific paper describing the outcomes of the DBCP workshop on the Evaluation of the Impact of Sea Level Atmospheric Pressure (SLP) Data Over the Ocean from Drifting Buoys on Numerical Weather Prediction (NWP), Sedona, Arizona, USA, 21 May 2012, was being prepared. During the inter-sessional period it was determined that waiting for the results of the OSE simulations commissioned by Dr Centurioni to ECMWF would be more appropriate.

8.1.2 A contract between WMO and ECMWF to run an OSE experiment was signed in February 2014.

8.1.3 The Work Began in May 2015. Two control experiments (November-December, 2010 and July-August, 2012) were performed. Dr Centurioni and Mrs Kelly Stroker have interacted with Drs Cardinali and Horanyi to create an accurate list of WMO numbers corresponding exclusively to barometer drifters. Two blacklists were created for the periods corresponding to the control experiments.

8.1.4 The data denial experiments were launched at the beginning of summer 2014. They became corrupted and were re-launched in August 2014. The runs were completed and a report was submitted.

8.1.5 An essay outlining the main finding of the study was submitted to the Bulletin of the American Meteorological Society.

8.1.6 It is herein proposed to close the PP-SLP.

8.1.6 **The meeting made the following recommendations:**

(i.) Rec1; to close the PP-SLP

8.1.7 **The meeting decided on the following action items:**

(i.) Action1 (**action; by; deadline**);

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