

**LETTER OF INTENT
TO EXTEND THE PIRATA MOU**

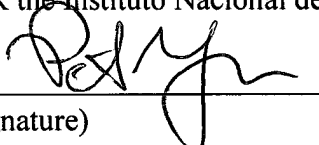
The Instituto Nacional de Pesquisas Espaciais (INPE) of Brazil, the Institut de Recherche pour le Développement (IRD) and Météo-France of France, and the National Oceanic and Atmospheric Administration (NOAA) of the United States of America, hereinafter referred to as the "Parties",

Recognizing the fruitful collaboration that the Parties have conducted pursuant to the Memorandum of Understanding between the Parties for Implementation and Maintenance of the Prediction and Research moored Array in the Tropical Atlantic - PIRATA, signed on 28 July 2014 (hereinafter referred to as "the MOU"), expired by its terms on 28 July 2019,

Decided to begin working on a new MOU for the purpose of sustaining the array into the future and to enhance the array according to scientific justification, and as resources permit, bearing in mind new findings of the Tropical Atlantic Observing System (TAOS) Review as well as the OceanObs19 Conference, to be held in September 2019, towards future potential development of PIRATA as part of an integrated global ocean observing system,

Have agreed that in order to continue PIRATA operations uninterrupted, the Parties express, by mutual agreement, their willingness to extend the validity of the present PIRATA MOU for an additional two-year term, effective from 28 July, 2019 through 27 July, 2021.

FOR the Instituto Nacional de Pesquisas Espaciais


(Signature)

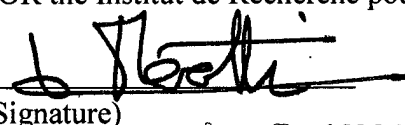
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25 July 2019
(Date)

Deputy Director
(Title)

FOR the Institut de Recherche pour le Développement


(Signature)

Jean-Paul MOATTI
Président-directeur général
Jean-Paul MOATTI
(Printed Name)

25 July 2019
(Date)

Chairman and Executive officer
(Title)

FOR Météo-France



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24 June 2018

(Date)

ANNE DEBAR

(Printed Name)

Deputy director general

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(Title)

15 July 2019

Director, Ocean Observing & Monitoring Division