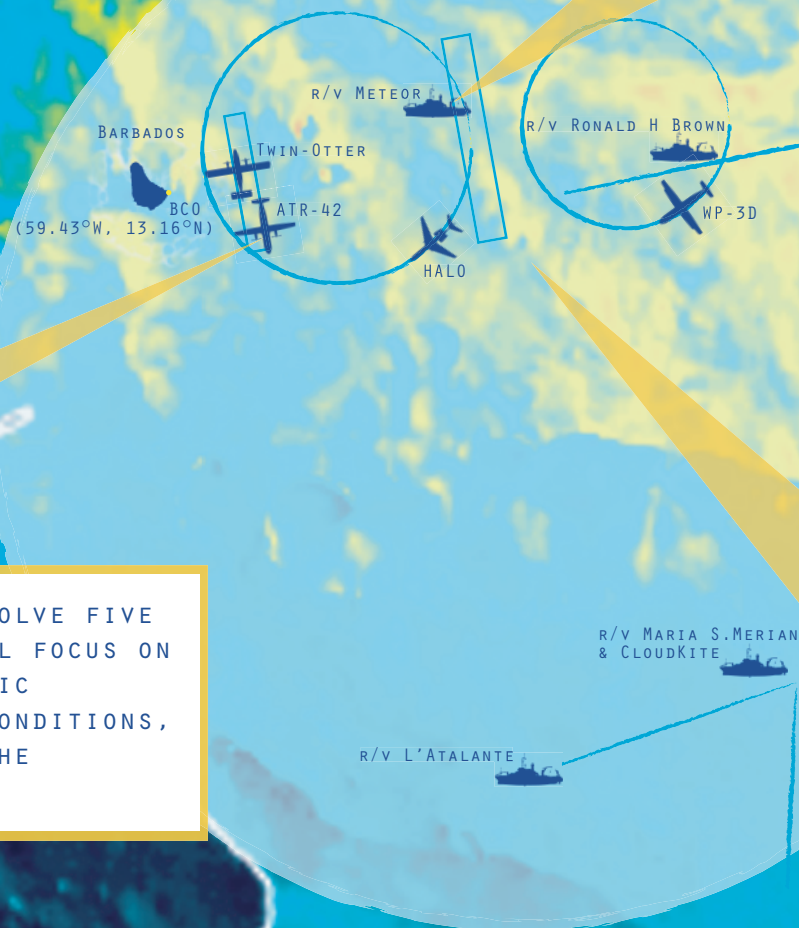




# AREA OF FIELD OPERATIONS

ALL SHIPS WILL CONTRIBUTE TO AN UPPER-AIR RADIO SOUNDING ARRAY, AND REGULAR OCEAN PROFILING, HELPING TO CHARACTERIZE THE VERY LARGE SCALE ENVIRONMENT OF THE ATMOSPHERE AND OCEAN WITH A PARTICULAR FOCUS ON OCEAN EDDIES AND FRONTS.



AIRCRAFT OPERATIONS WILL INVOLVE FIVE RESEARCH AIRCRAFTS. THEY WILL FOCUS ON CHARACTERIZING THE ATMOSPHERIC CIRCULATION, THERMODYNAMIC CONDITIONS, AND CLOUD DISTRIBUTIONS ON THE MESOSCALE (20KM – 200KM).

## MEASURING INSTRUMENTS AND PLATFORMS

- 1 CLOUD OBSERVATORY ON BARBADOS
- 5 AIRCRAFTS
- 4 RESEARCH VESSELS
- 1 WAVE-PROPELLED UNMANNED AUTONOMOUS SURFACE VESSEL "AutoNAUT"
- 5 BUOYANCY-POWERED AUTONOMOUS UNDERWATER VEHICLES
- 1 UNMANNED AERIAL VEHICLE "BORÉAL UAV"
- 2 BALLOON KITES "MAX PLANCK CLOUDKITES"
- 1 WEATHER RADAR „POLDIRAD“
- DROPSONDES AND SEVERAL REMOTE SENSING PLATFORMS

