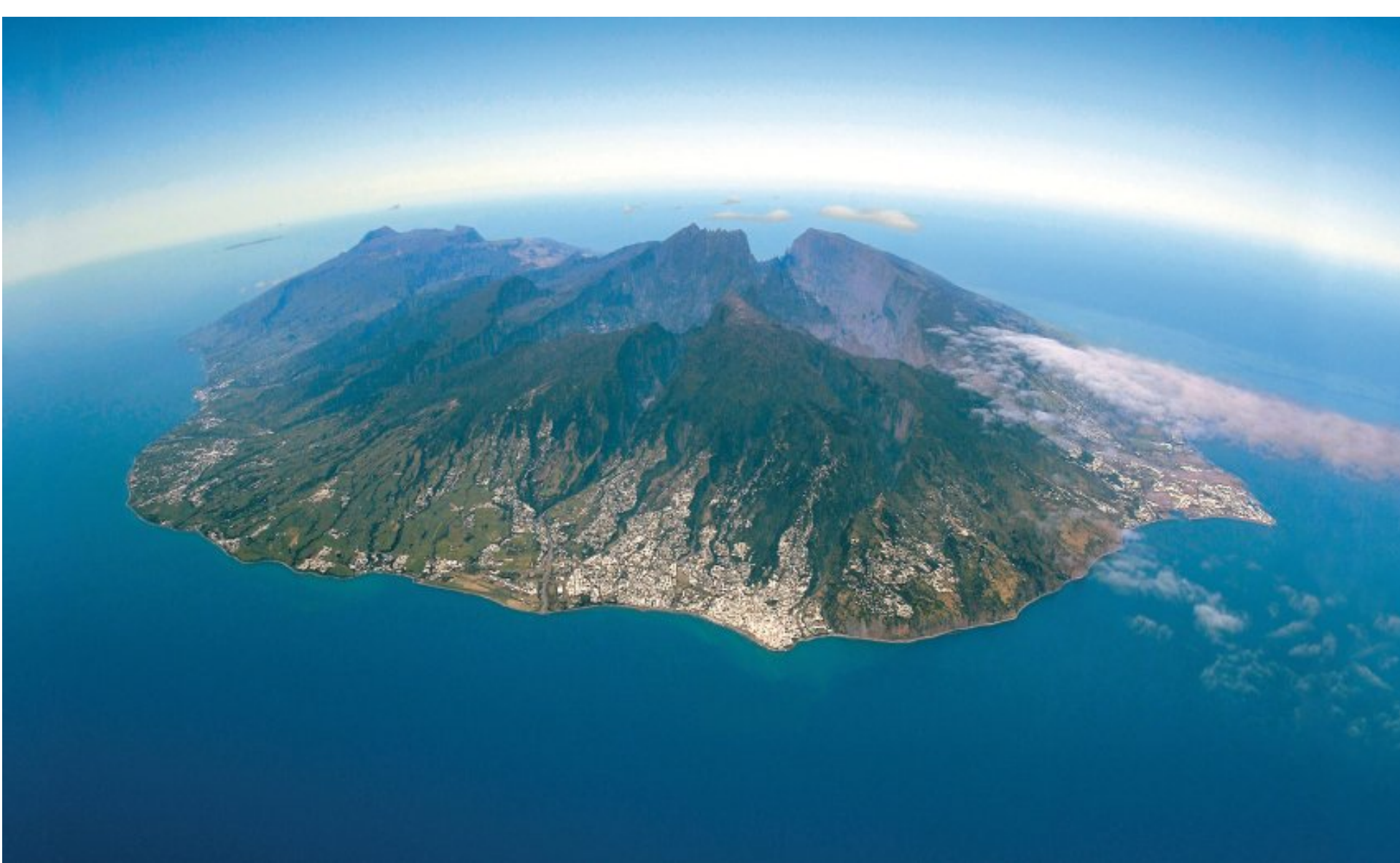
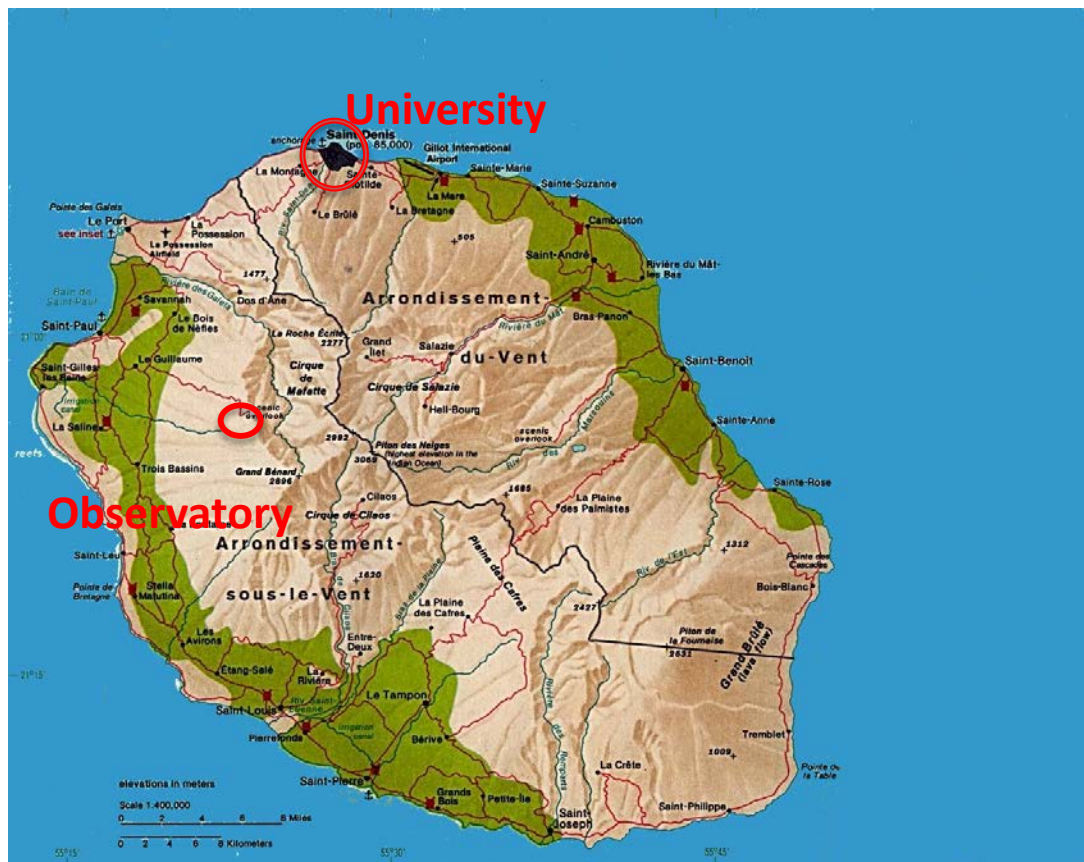


ICM-12

Reunion Island





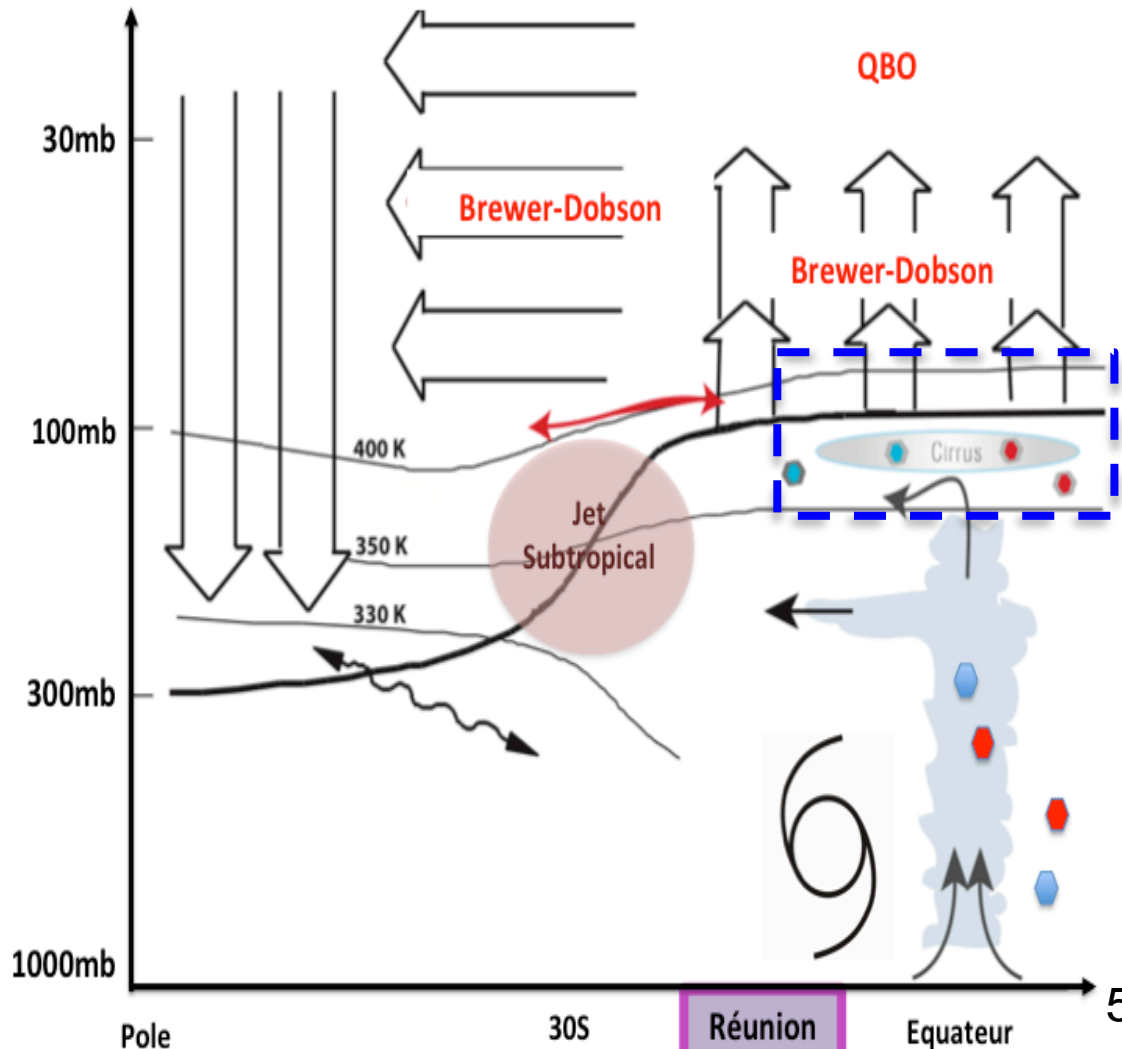


Venue – université de la Réunion



Upper Troposphere-Lower Stratosphere

Réunion Island in the remote Indian Ocean is an ideal base for measurements and modeling activity on UTLS processes



- **Stratospheric processes**
 - Large scale stratospheric circulation (Brewer-Dobson & QBO)
 - Atmospheric waves

UTLS (or tropical tropopause region):
Temperature changes,
cirrus formation

- **Tropospheric processes:**
 - **Long-range transport (jet dynamics)**
 - **Rapid vertical transport by deep convection (e.g. tropical cyclones)**

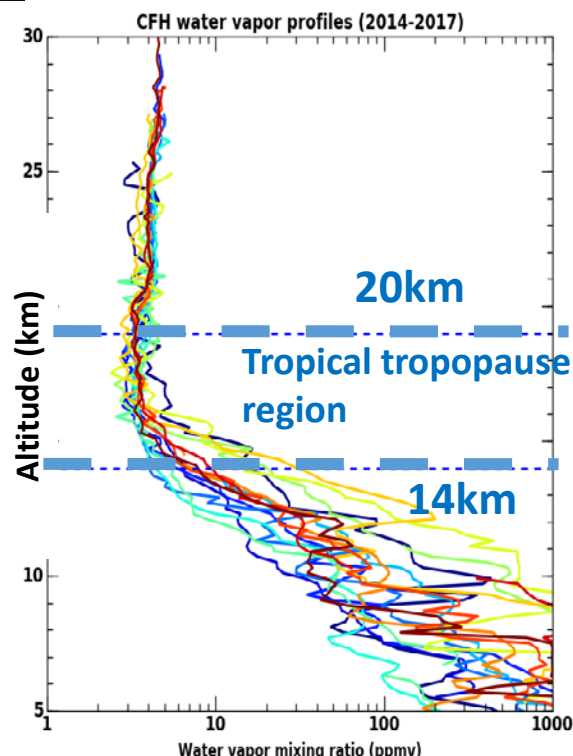
Water vapor measurements at Maïdo: CFH sondes and Raman LIDAR



Nov 2014 TNA-ACTRIS
CFH+M10+RS92+Lidar



May 2015: MORGANE
campaign: CFH+M10+ RS92
+M10+Lidar



Jan 2016 HAIC campaign:
CFH+COBALD+M10+ Lidar + TNA
ACTRIS+ CFH+COBALD+POPS+M10



CONCIRTO Mar 2017 and Jan-
Mar 2018:
CFH+COBALD+RS41-
RS92+M10+Lidar



Instrument	Frequency	Time period	Variables
Water vapor Lidar	3 profiles per week	2014-présent	Water vapor
CFH sondes	3 à 6 per year	2014-présent	Water vapor
Sonde Ozone	1/semaine	1999-présent	Ozone
Sonde M10 à Gillot	1/jour	2013-présent	RH, P, T, U
Sonde M10 au Maïdo	~ 10/an	2013-présent	RH, P, T, U

Getting there

2-6 Nov 2020
/
9-13 Nov 2020



Scenic highlights

2-6 Nov 2020/9-13 Nov 2020

