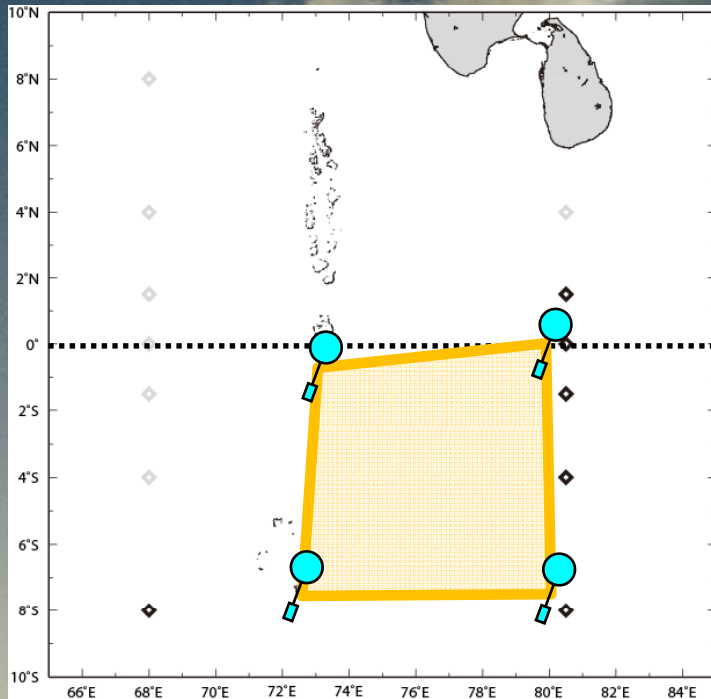


Group Session 1-2

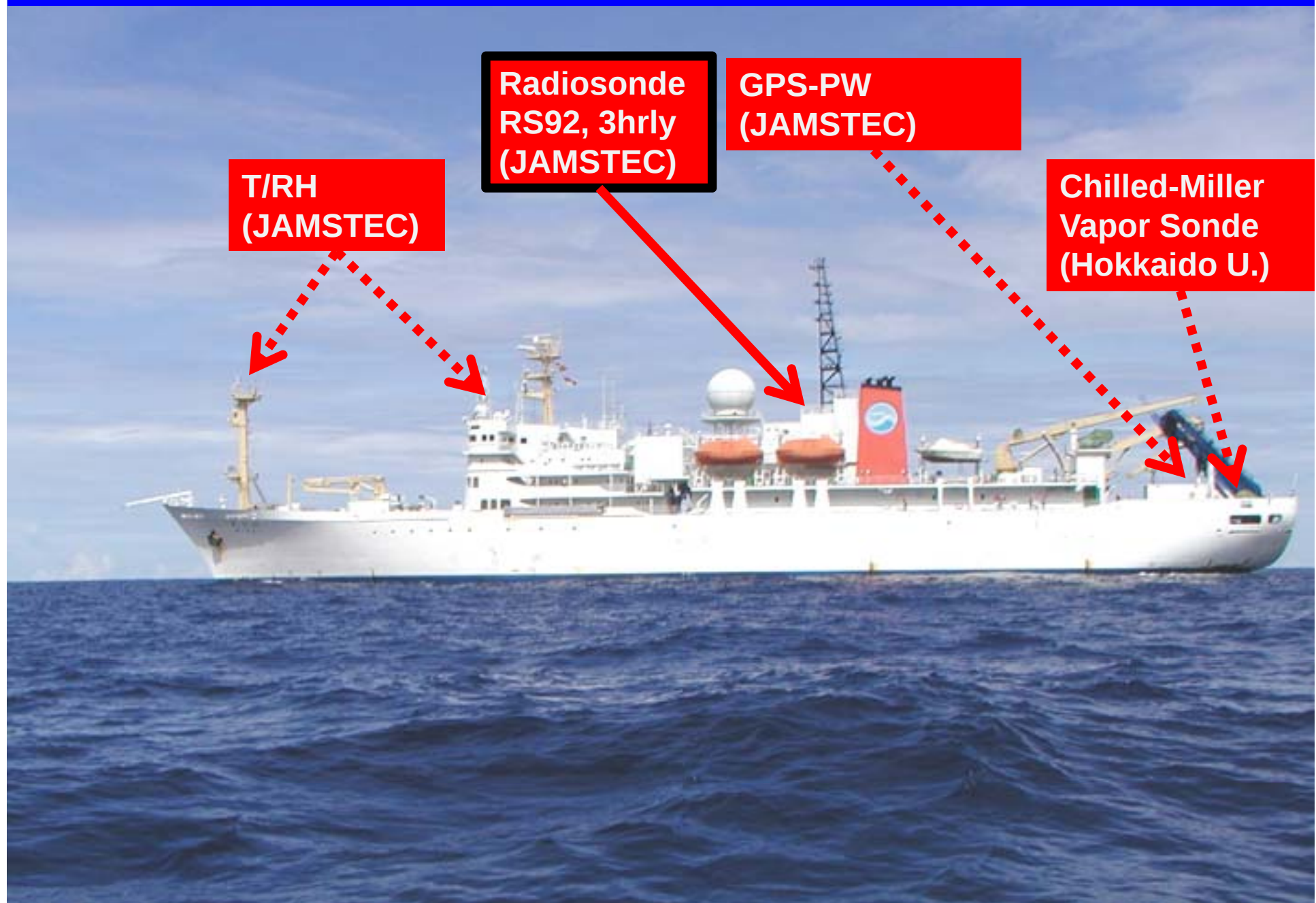
Water Vapor Measurements



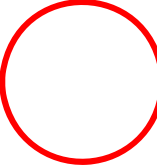
*Planned radiosonde is
limited in spatial / temporal.*

*To reveal “role of moisture”,
Need to fill gaps ?
If yes, how ?*

Expected vapor observations on R/V Mirai



In-situ vapor measurement (above BL)

	<u>PW / Prof</u>	<u>Height Range</u>	<u>Sampling Freq.</u>	<u>Platform</u>
 Radiosonde (6h or 3h)	Profile	Sfc – 50hPa	3h / 6h	Gan / DG Revelle / Mirai / SK
 GPS-PW	PW	–	1h / 10min(?)	Gan / Male / Mirai Revelle(?) / DG (?)
 MWR	PW (Profile?)	Sfc – 10km	20sec (10min ?)	Gan / Revelle / Mirai (?)
 Raman Lidar	Profile	Sfc – BL top	minutes (?)	Gan(?) / Revelle (?)
 S-PolKa Vapor	Profile	Sfc – mid trop. (btwn radar-cloud)	Occasional	Gan
 Aircraft(s) (probe) (dropsonde)	Profile	Sfc – ??	Occasional	Aircraft itself (from Gan or DG)

