

VOLMET From The RadioReference Wiki

VOLMET

VOLMET, or meteorological information for aircraft in flight, is the term applied to a worldwide network of radio stations that broadcast TAF, SIGMET and METAR reports on shortwave frequencies. Reports are sent using automated voice transmissions, in the upper sideband or J3E mode. As the name suggests, pilots on international air routes use these transmissions to determine what procedures to use for descent, approach, and landing, such as a visual approach or an instrument approach and the correct STAR. The actual term comes from the contraction of two French words, loosely translated as 'Flying Weather'.

The VOLMET network divides the world into specific regions, and individual VOLMET stations in each region broadcast weather reports for specific groups of air terminals in their region at specific times, coordinating their transmission schedules so as not to interfere with one another. Schedules are determined in intervals of five minutes, with one VOLMET station in each region broadcasting reports for a fixed list of cities in each interval. These schedules repeat every hour.

VOLMET Broadcasts are great for propagation measuring, since they have set schedules and frequencies all over the world and can give an clear indication of when propagation is strong or weak in areas.

English-language stations

All frequencies are in kHz and Upper Side Band (USB)

Frequencies	Service Area	Ground stations
3485, 6604, 10051, 13270	United States/Canada	New York, Gander
6754, 15034	Canada	Quinte West (Trenton Military)
3413, 5505, 8957, 13264	Western Europe	Shannon
5450, 11253	Central Europe	St. Eval (Military One)
4742, 11247	Eastern Europe	Mount Pleasant (Viper), Akrotiri (Cyprus)
2863, 6679, 8828, 13282	Oceania	Honolulu, Tokyo, Hong Kong, Auckland
2965, 6676, 11387	South Asia/Southeast Asia	Brisbane, Calcutta, Bangkok, Karachi, Singapore, Bombay (Mumbai)
3458, 5673, 8849, 13285	East Asia	Guangzhou, Beijing