Panasonic Avionics Corporation

GLOBAL AIRCRAFT AND MARINE COMMUNICATION, TRACKING, AND WEATHER DATA COLLECTION

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FLIGHTLINK
GLOBAL AIRCRAFT COMMUNICATION & TRACKING

Iridium / Ku-Band Satellite Communications
Broadband, Voice & Data

Aircraft Flight Tracking & Dynamic Event Alerting

4-D Atmospheric Data Capture and prediction,
TBO and CDA

TAMDAR
Tropospheric Airborne Meteorological Data Reporting

Summary	
Aircraft	G-FBEH
Flight #	566459
Pressure Altitude	15960 ft
GPS Altitude	16000 ft
Air Temperature	-7.40 °C
Relative Humidity	45.00 %
Wind	308° / 79.00 knots
Ice Conditions	No Ice
Indicated Airspeed	260 knots (G)
EDR median/peak	0.0 / 0.0
Min. since peak EDR	0.0
56° 17' 48" N, 1° 46' 54" W	

ITC Global **Panasonic**
Panasonic Avionics Corporation
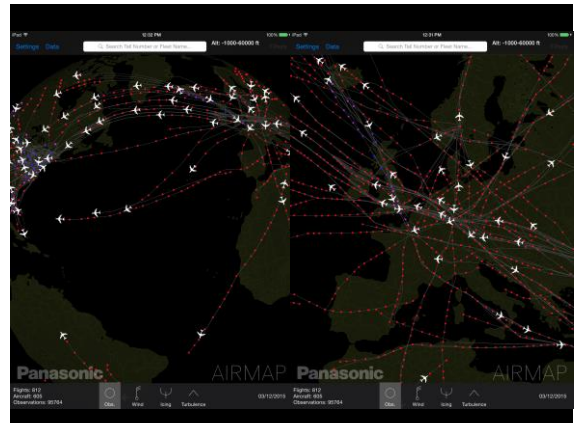
THE NEXT LEVEL OF
SATELLITE COMMUNICATIONS
ACROSS AIR, LAND AND SEA

TAMDAR-U

AAAI UAV

Aerostar UAV

Iridium antenna

TAMDAR
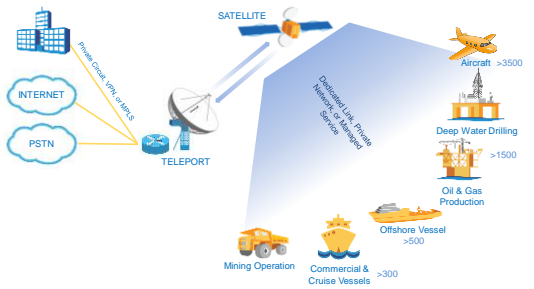
Global Ku-band coverage and global Iridium coverage
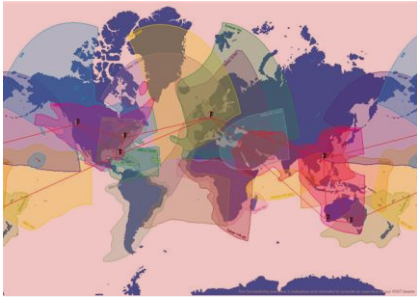
Panasonic Modeling Suite

Regional:
Rapid Cycling 4D-Var EnKF Hybrid WRF (4 km North America / 1 km CONUS) – joint with NCAR
4D-Var Tropical WRF (12 km Atlantic and Pacific) – joint with NCSU

Global:
Hybrid 4DEnVar Deterministic GFS ~13 km – joint with UMD
80 Member dual resolution EnKF GFS Ensemble – joint with NCSU

QC:
RT-FDDA-WRF (4 km domains covering NA, EU/UK, Asia, ME) – joint with NCAR

All models (except QC) are 2-way coupled to HYCOM – general circulation ocean model

Marine forecast output/services:
Wind, temperature, precip, storm tracks/intensity, surge, seas, swell, currents, etc.