

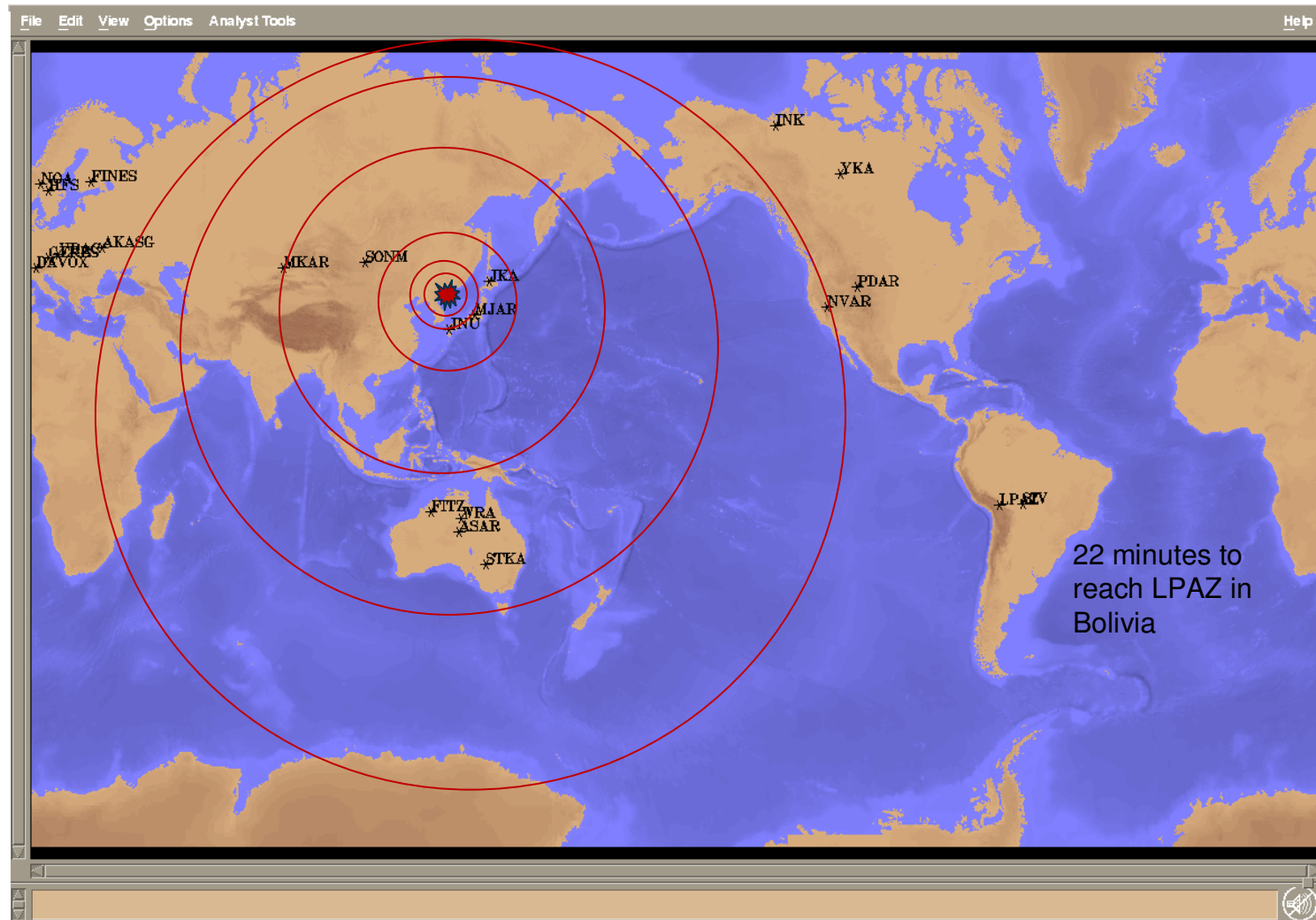
the comprehensive nuclear-test-ban treaty  
putting an end to nuclear test explosions

## Progress in the CTBT Verification Regime

Ambassador Tibor Tóth,  
Executive Secretary of the Preparatory Commission for the  
Comprehensive Nuclear-Test-Ban Treaty Organization

2009 Carnegie International Nonproliferation Conference,  
Washington D.C.

# Stations detected DPRK seismic event on 09 October 2009

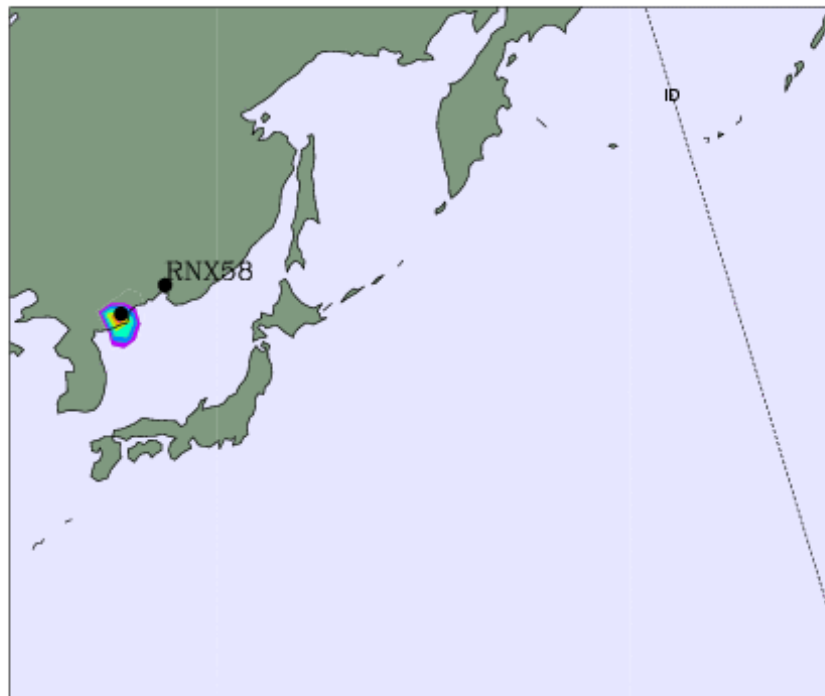


the comprehensive nuclear-test-ban treaty  
putting an end to nuclear test explosions



# Animated model of dispersion of emitted gas from 9 to 30 October 2006

Activity concentration DPRK\_Event\_Oct09\_20061009\_03\_2  
Actual Date: 20061009 060000 Release Date 20061009 03

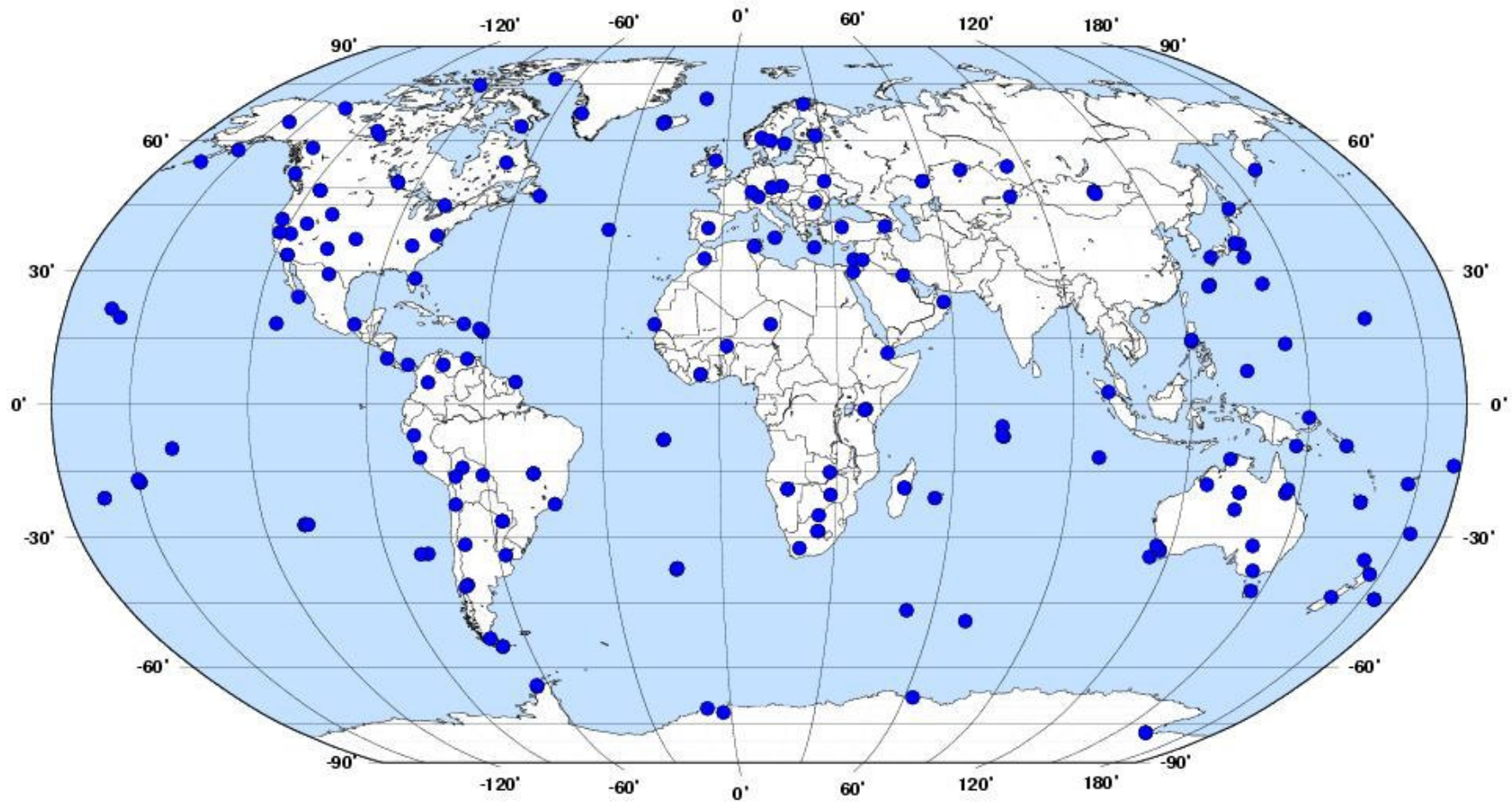


(0-30m altitude)

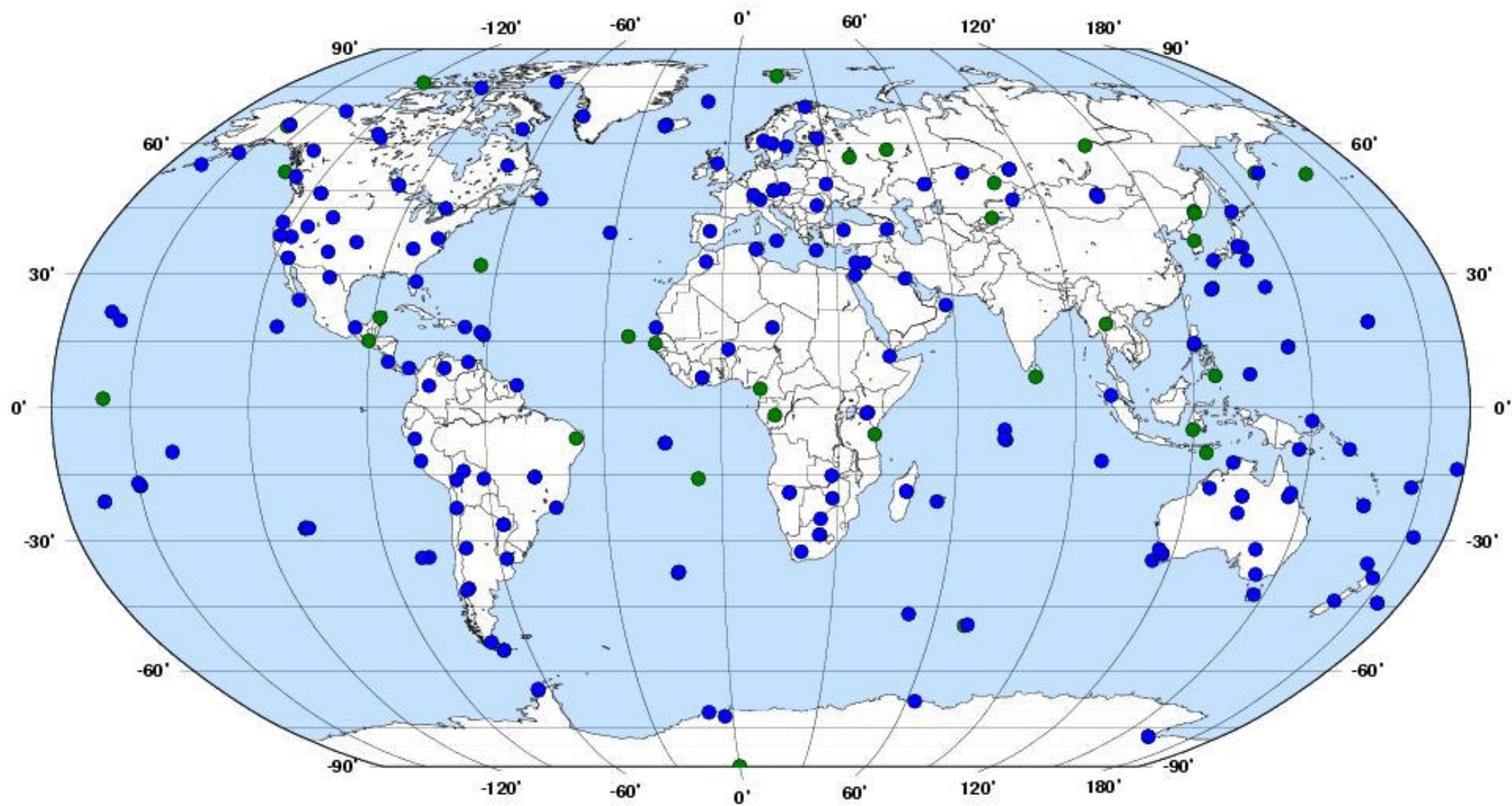
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# Status of IMS Network October 2006



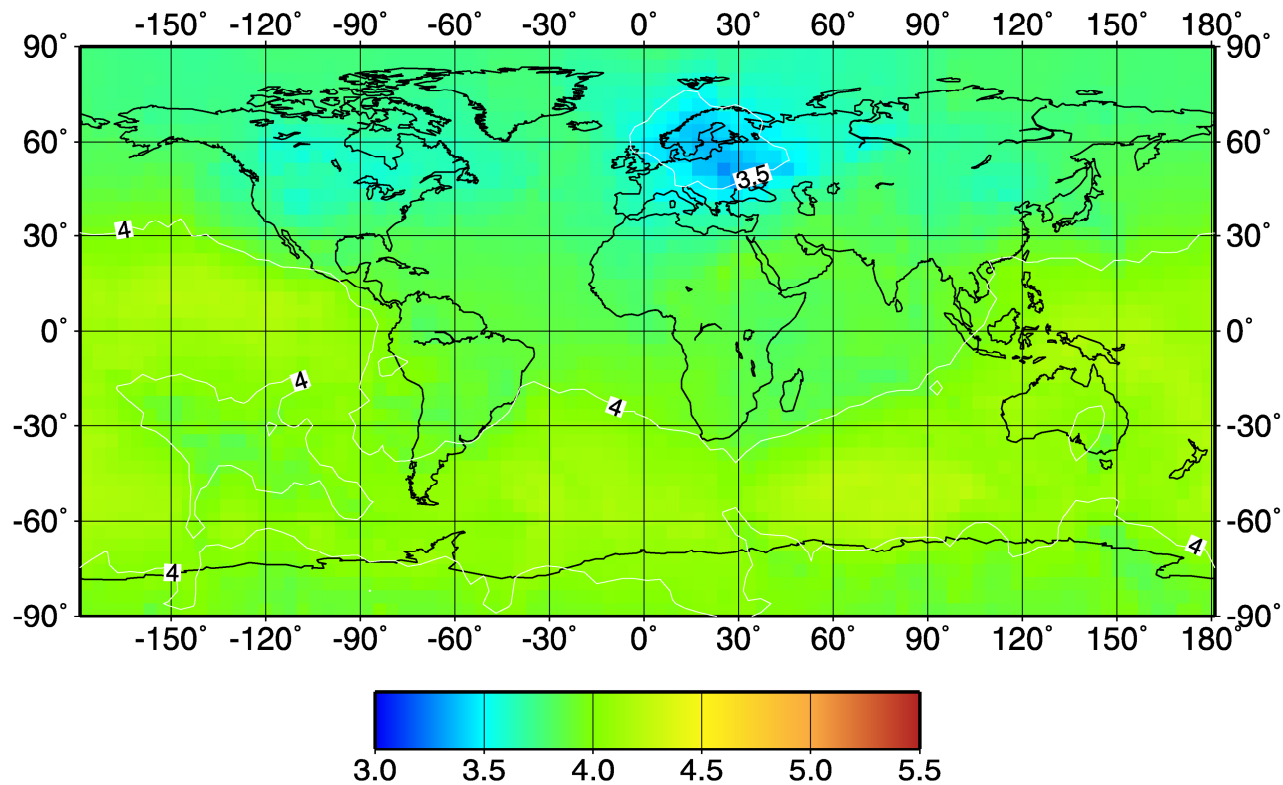
# Status of IMS Network March 2009



# What size events can the verification system detect

2006/10/09 01:00:00 - 2006/10/09 02:00:00

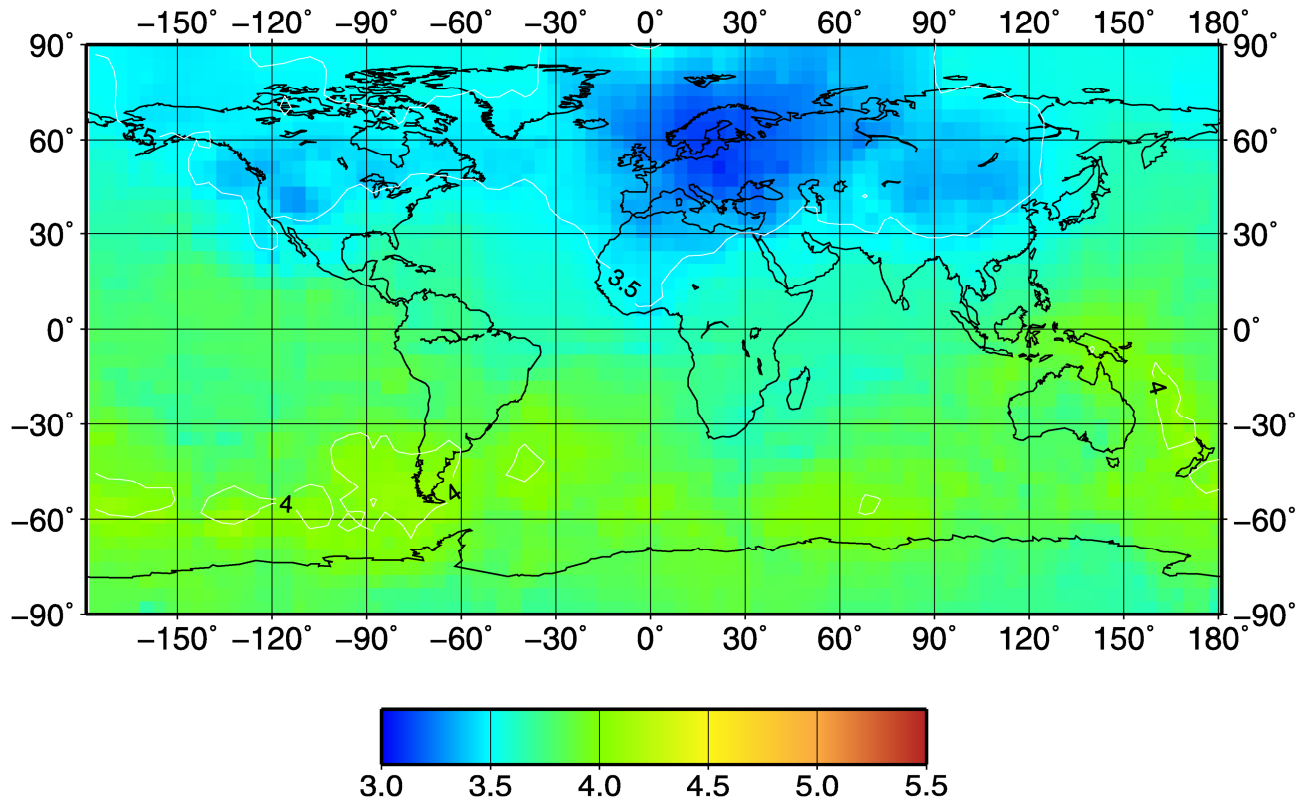
Average Detection Capability



# What size events can the verification system detect

**2009/03/14 02:00:00 – 2009/03/14 03:00:00**

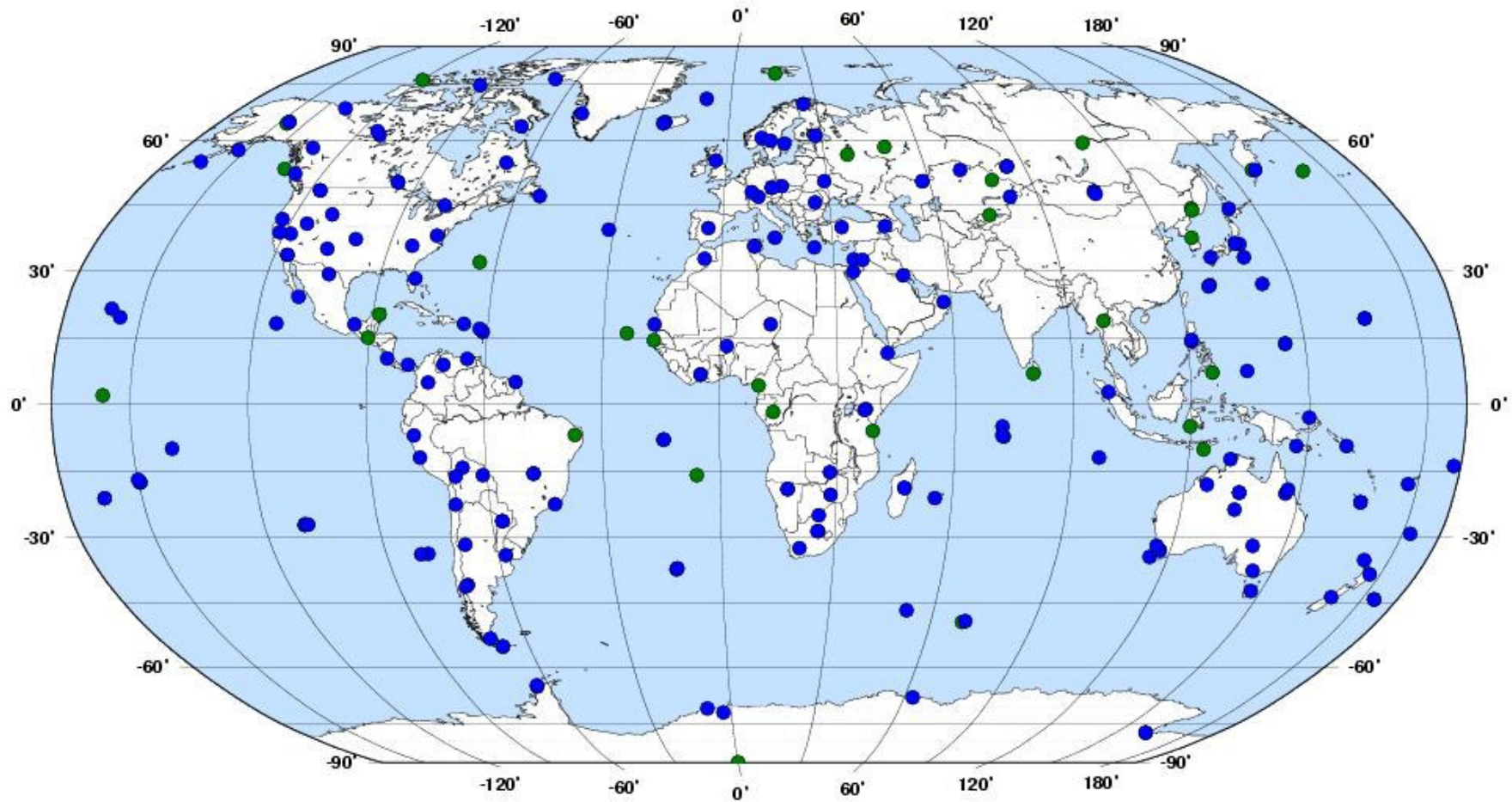
Average Detection Capability



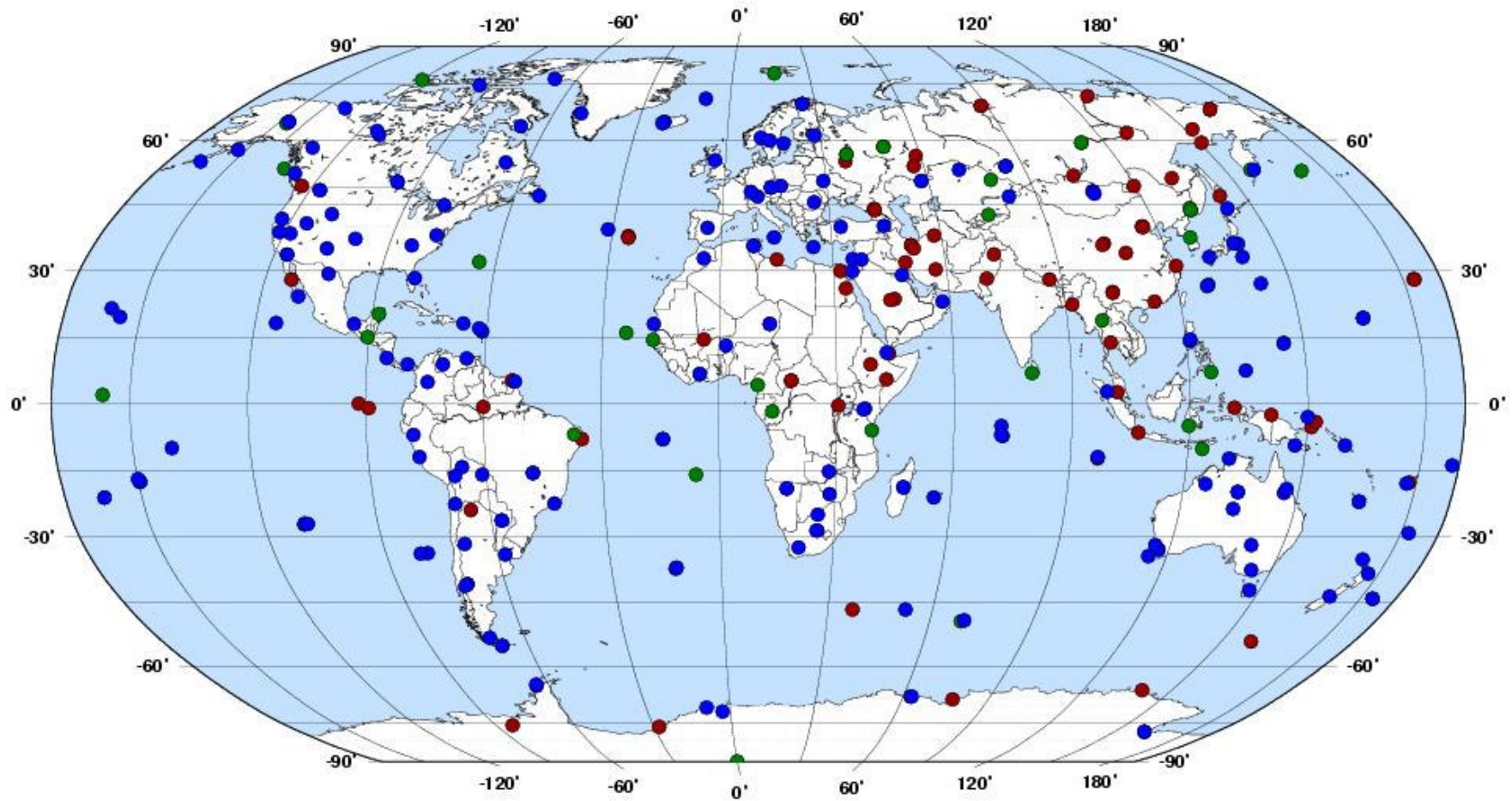
the comprehensive nuclear-test-ban treaty  
putting an end to nuclear test explosions



# Status of IMS Network March 2009



# IMS Network - Complete



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putting an end to nuclear test explosions



Thank you