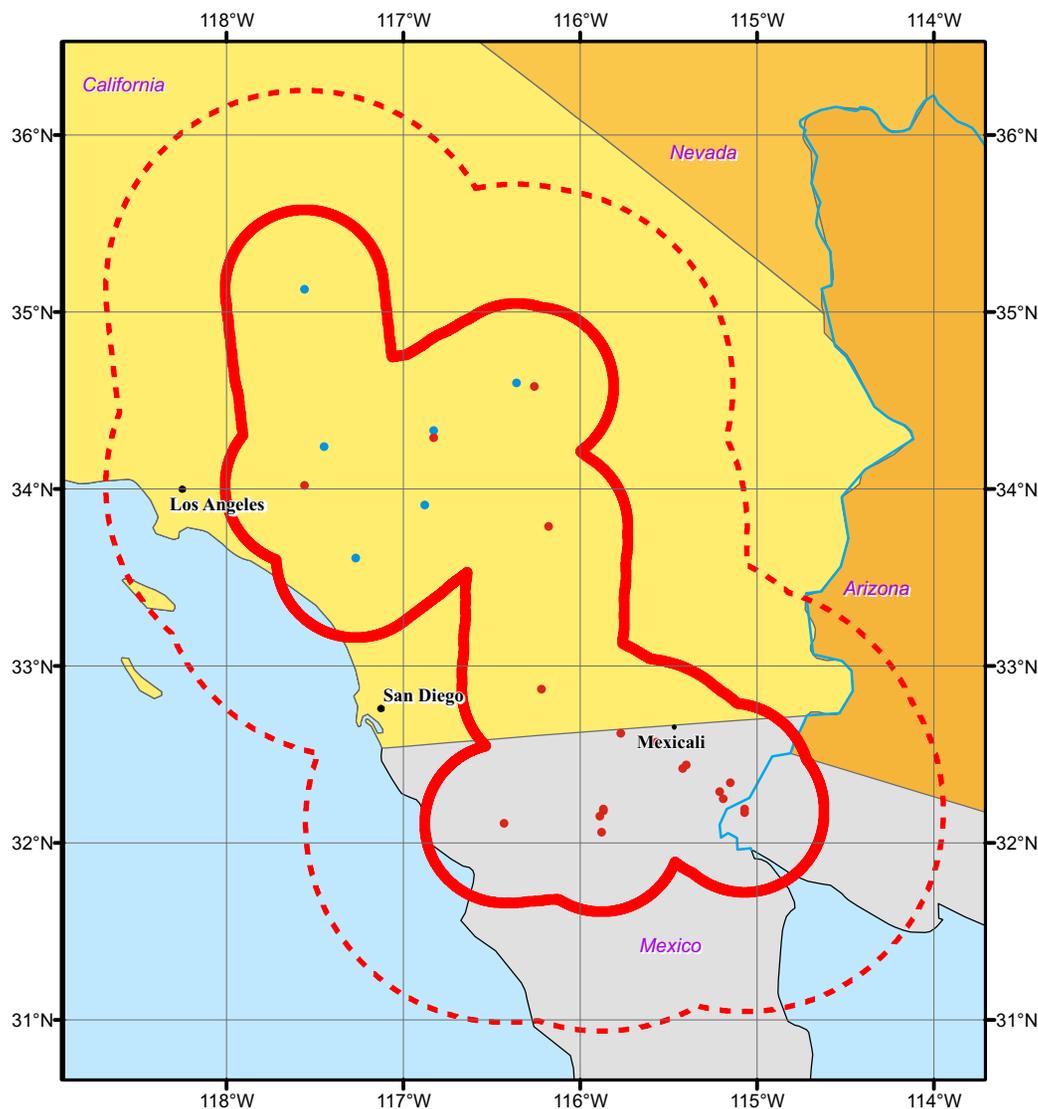# Experiment in prospective earthquake prediction using Reverse Tracing of Precursors (RTP)
Prediction #6c, March 30, 2006

Starting from October 1, 2005 we test in parallel two versions of the prediction algorithm. Test A concerns exactly the same algorithm as before. In test B we made one change: we increased by factor 2.5 the value of the numerical parameter, R, thus expanding the area of alarm.

An earthquake with magnitude $M_{ANSS} >= 6.4$ is predicted to occur within the time interval from March 18, 2006, to December 24, 2006, Universal Time. Area of alarm is shown in the figure. This alarm supersedes Prediction #6b, previously issued on March 17, 2006, extending it to a larger area and longer period.

Estimated probability of a false alarm does not exceed 50% in both tests.

This alarm and three previous ones (## 6, 6a, and 6b in the website) continue each other in time and cover overlapping areas. Estimated probability that at least one target earthquake will occur by chance within the union of these alarms is less than 19% in the test A and less than 30% in the test B.

Blue and red circles show the earthquakes that formed new precursory chains on December 17, 2005 and on March 24, 2006 accordingly. Area of alarm is shown by red contours: solid line is for test A, dashed line is for test B. This alarm supersedes previously issued prediction #6b extending it to a larger area and longer period.

Reminder. As you know, earthquake predictions should be released to the public or media only by a proper disaster management authority. Otherwise, prediction may trigger profiteering and disruptive anxiety of population. Accordingly, we open an access to our predictions only to professionals who agreed to comply with the above limitation. This restriction is lifted and prediction becomes publicly available when a target earthquake occurs in the area of alarm, or when the alarm expires, independently of was it correct or wrong.