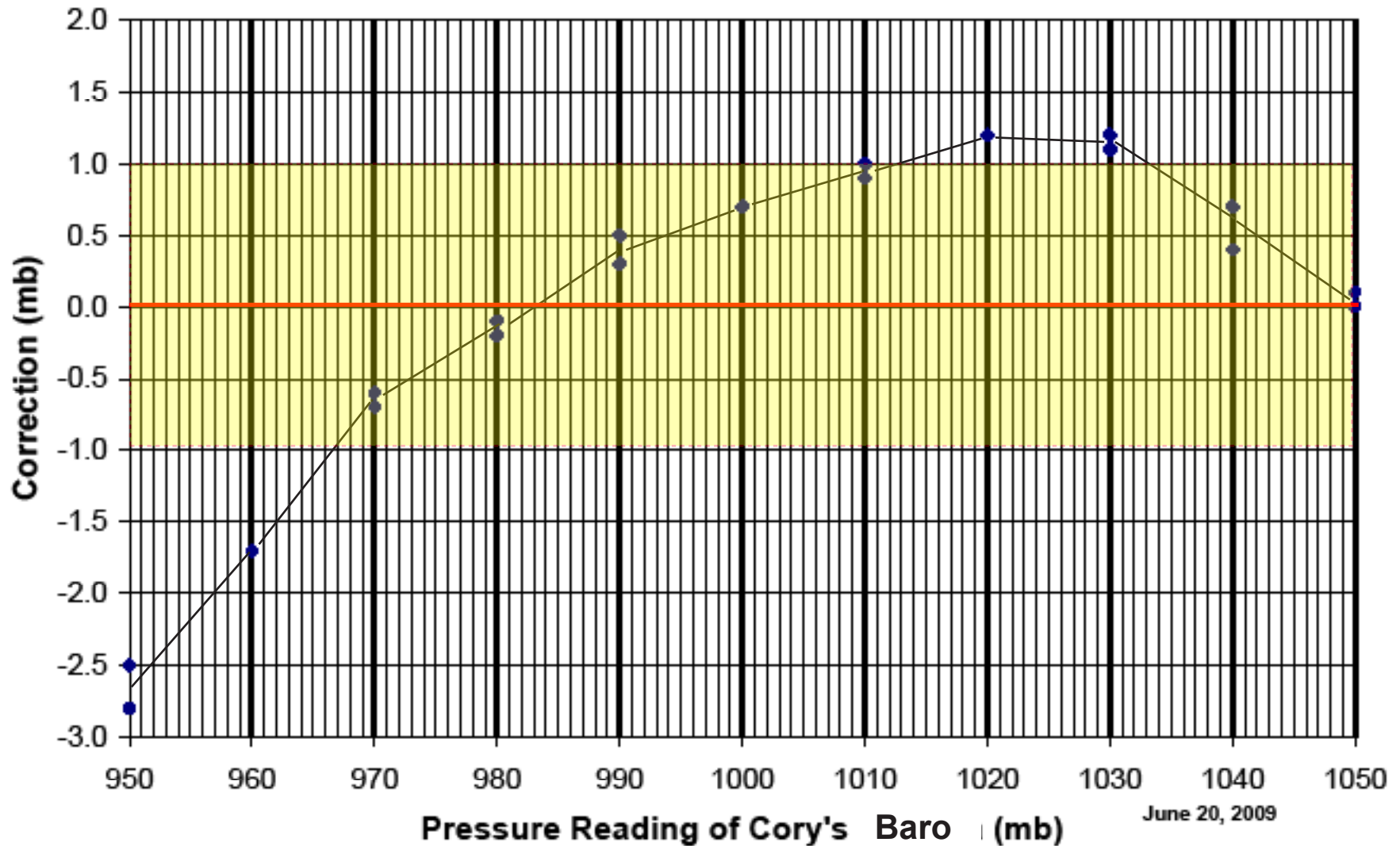


ie, when the barometer reads 1000.0 the true pressure is 1000.7



This instrument has a 3.5" dial in a 5" brass housing that weighs 5.5 lbs from the mid 80's. The modern version of this model sells for \$850 available from prominent US instrument companies. The calibration was done at 76°F. The ambient pressures was 1006. From there, the pressure was dropped in 5 min to 950 where it set for 10 min, then measurements were made every 10 mb, about 5 min apart with increasing pressure. At 1050 the pressure set for 20 min then the process was repeated going down. The scatter in the points shows the up-down difference, which could easily be measurement errors in this quick check. We have records of making a similar measurement of a different, but identical instrument when it was new, and we got similar results. Notice that this instrument is correct to within about  $\pm 1$  mb from 965 to 1050 mb, and with the use of this table the accuracy would be better than half of that.