



Figure 4. Geothermal gradient is calculated using constrained regression method from well temperature data and permafrost base; there is a very good linear relationship between temperature and depth with both wells ranked as “a” quality (excellent). a - all good DST and BHT data are used for the calculation for Unipkat I-22 well; “a” quality (high reliability) permafrost base is from temperature surveys. b - all good DST, excellent, good and fair BHT points (except circled one) are used for the calculation for Unak L-28 well; “a” quality (high reliability) permafrost base is from geophysical methods.