This thesis brings basic data on duration of syllabic liquids r and l in Czech. The experiment measured the duration of syllabic and non-syllabic liquid consonants occuring in 3 stress group positions and short vowels in 2 positions; the sounds were isolated from utterances of 6 native speakers of Czech. Apart from this, the experiment also measured the syllabic liquids length on the basis of complementary utterances of 5 radio speakers. The total amount of the measured sounds was 852.