

**MASENO UNIVERSITY**

**DEPARTMENT OF MATHEMATICS AND APPLIED STATISTICS**

**PREPARING CLIMATIC DATA FOR ANALYSIS AN USE**

by

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**Abstract**

*Chemelil Sugar Estate collects daily climatic data at its main station where it has a 42 year record. It also has daily rainfall data for about 40 (1970 to 2010) years at other points on its main site and 19 other locations where sugar is grown for the factory. It is often claimed that African countries do not have a sufficiently dense network of climatic data but many countries have many such hidden gems. The first obstacle to exploiting such treasure is the digitization and checking of the data. This is a time consuming and thankless task, and often undervalued. This poster describes current use of the data by Chemelil Sugar Estate, the potential of computerization and illustrates the potential of such data once computerized.*