## Sept 1999 40m Data Run

People:

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Sep 17 04:00:00 - Sep19 14:00:00

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Best Performance: 1 \times 10^{-17} (m/(\sqrt{Hz}))
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40m works better at night

Evenings:

.2-1 hours > 90% locked

Mornings:

.1-.5 hours 50-80% locked

Locks were better 2nd and 3rd day (weekend)

Develop Software tools

- Create database containing statistics and simple query tools
- Develop Perl scripts to automate data processing
- Develop software to interact with database and extract desired channels during specified time intervals
- Develop tools to characterize the run

Data Analysis issues under study

- Characterize the quality of the data
- Study non-stationarity of the data
- Study non-gaussianity of the data
- Look for burst events
  Outliers in the time series
  Match filtering techniques









