

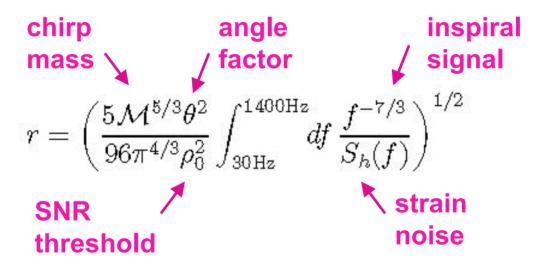
SenseMonitor: Plans for S4+

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SenseMonitor

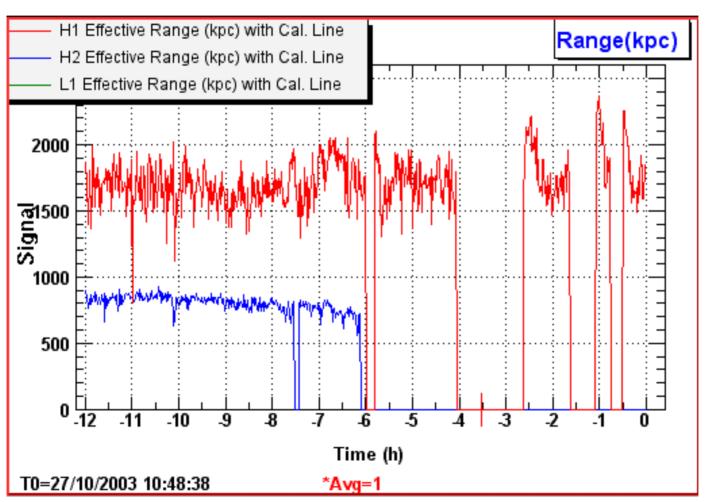
- SNR-based figure-of-merit monitor for the LIGO IFOs
- Real-time range estimates:



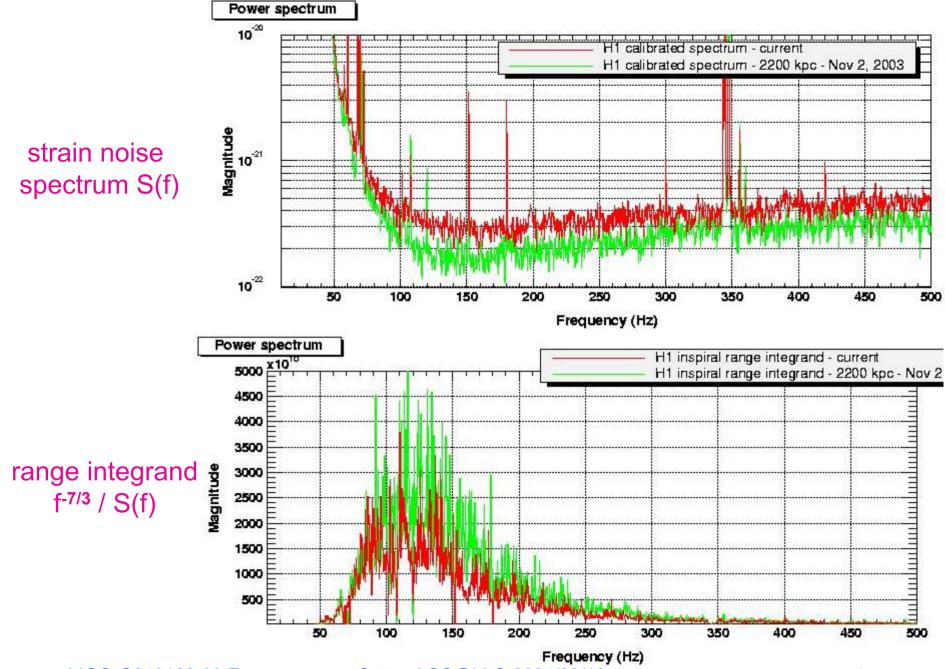
• SenseMonitor uses $M_1 = M_2 = 1.4 M_0$, $\rho_0 = 8$.



SenseMonitor in S3



range estimates, calibrations





What's new for S4

By popular demand...

- Implement new calibration classes.
 - » makes use of monitor much easier to run
- Additional FOM: range to 10M_o-10M_o binary black-hole inspiral
 - » samples very-low-frequency portion of noise spectrum (f < ~200Hz)</p>



Summary

• See previous slide.