```
ans =
23-May-2015 00:11:38
ifo =
                       [1x1 struct]
                 Bar:
             Optics:
                       [1x1 struct]
                      1x1 struct
1x1 struct
1x1 struct
    Infrastructure:
          Constants:
                 TCS:
                       [1x1 struct]
            Seismic:
                      1x1 struct
1x1 struct
1x1 struct
        Atmospheric:
         Suspension:
          Materials:
                       [1x1 struct]
              Laser:
                       1x1 struct
           Squeezer:
      OutputFilter: [1x1 struct]
Torsion Suspension (suspTorsion.m)
- torsion suspension wire material; Silica
 - torsion suspension wire loss angle: 1e-10
 - torsion suspension wire temperature: 4 K
 - torsion wire diameter (single wire, multiplied safety factor 1.5x): 1568.3193
 um

    torsion suspension wire length: 0.6 m

 torsion spring constant (2 wire): 0.027166 Nm/rad
 - torsion bar inertia: 0.6392kg*m^2
 - torsion resonance: 0.03281 Hz
You are not injecting squeezing..loozer!
 Seismic Isolator: MultiSASSeismic Ground Motion: LLO

    Seismic Isolator: MultiSAS

 - Seismic Ground Motion: LLO
Laser Power:
                             0.100 Watt
SRM Detuning:
                              0.00 degree
SRM transmission:
                              1.0000
                              0.0213
ITM transmission:
                               1.0000
PRM transmission:
                            294.71
Finesse:
Power Recycling Factor:
                               1.00
                               0.01 kW
Arm power:
Power on beam splitter:
                              0.10 W
Thermal load on ITM:
                              0.000 W
Thermal load on BS:
                              0.000 W
Reqired TCS efficiency: BNS Inspiral Range:
                              1.000(estimate, see IFOModel.m for definition)
                             0.002 Mpc
                             0.028 Mpc
BBH Inspiral Range:
Stochastic Omega: 0.08 Universes
New Nebulous Range:
                            16.368 Mpc
TORPEDO Configuration (nomm_anu_pType1.m)
 - Reference Cavity Length: 6.2 m
 - Arm Lengths: 0.368 m
  Bar length and diameter: 0.6 m x 0.06 m.
  Bar material: Aluminium
Bar material loss angle: 3.91e+07
 - Bar temperature: 4 K
```

- Bar mass: 13.128 kg - Bar Inertia: 0.6392 kg*m^2

