```
ans =
17-Jun-2015 16:09:24
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)
rwire =
   7.8416e-04

    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: MultiSAS

    Seismic 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:
PRM transmission:
                               1.0000
                             294.71
Finesse:
Power Recycling Factor:
                               1.00
                               0.01 kW
Arm power:
                               0.10 W
Power on beam splitter:
Thermal load on ITM:
                               0.000 W
Thermal load on BS: Reqired TCS_efficiency:
                               0.000 W
                               1.000(estimate, see IFOModel.m for definition)
                              0.002 Mpc
BNS Inspiral Range:
BBH Inspiral Range:
                              0.028 Mpc
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

