```
ans =

23-May-2016 23:19:45


Torsion Suspension (suspTorpedo3.m)
 - torsion suspension wire material: Silica
 - torsion suspension wire loss angle: 1e-09
 - torsion suspension wire temperature: 293 K
 - torsion wire diameter (single wire, safety factor 1x): 500 um
 - torsion suspension wire length: 0.686 m
 - torsion spring constant (2 wire): 0.026211+2.6211e-09i Nm/rad
 - torsion bar inertia: 0.6508kg*m^2
 - torsion resonance: 0.03194+1.597e-09i Hz
You are not injecting squeezing..loozer!
 - Seismic Isolator: MinusK
 - Seismic Ground Motion: LLO
 - Seismic Isolator: MinusK
 - Seismic Ground Motion: LLO
Laser Power:              0.003 Watt
SRM Detuning:              0.00 degree
SRM transmission:          1.0000
ITM transmission:          0.0213
PRM transmission:          1.0000
Warning: Ignoring extra legend entries.]
> In legendHGUsingMATLABClasses>set_children_and_strings (line 650)
  In legendHGUsingMATLABClasses>make_legend (line 313)
  In legendHGUsingMATLABClasses (line 241)
  In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('le
gend', '/Applications/MATLAB_R2015a.app/toolbox/matlab/scribe/legend.p', 118)" s
tyle="font-weight:bold">legend</a> (<a href="matlab: opentoline('/Applications/M
ATLAB_R2015a.app/toolbox/matlab/scribe/legend.p',118,0)">line 118</a>)
  In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('gw
inc', '/Users/slagmolen/ownCloud/Research/ANU-Torsion/matlab/gwincTOBA/gwinc.m',
 261)" style="font-weight:bold">gwinc</a> (<a href="matlab: opentoline('/Users/s
lagmolen/ownCloud/Research/ANU-Torsion/matlab/gwincTOBA/gwinc.m',261,0)">line 26
1</a>)
  In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('no
mm_anu_pType1_v2', '/Users/slagmolen/ownCloud/Research/ANU-Torsion/matlab/gwincT
OBA/nomm_anu_pType1_v2.m', 334)" style="font-weight:bold">nomm_anu_pType1_v2</a>
 (<a href="matlab: opentoline('/Users/slagmolen/ownCloud/Research/ANU-Torsion/ma
tlab/gwincTOBA/nomm_anu_pType1_v2.m',334,0)">line 334</a>)]
Finesse:                  294.71
Power Recycling Factor:    1.00
Arm power:                 0.00 kW
Power on beam splitter:    0.00 W
Thermal load on ITM:       0.000 W
Thermal load on BS:        0.000 W
Reqired TCS efficiency:    1.000(estimate, see IFOModel.m for definition)
BNS Inspiral Range:       0.000 Mpc
BBH Inspiral Range:       0.002 Mpc
Stochastic Omega: 5e+01 Universes

New Nebulous Range:       0.810 Mpc

TORPEDO Configuration (nomm_anu_pType1_v2.m)
 - Reference Cavity Length: 0.2 m
 - Arm Lengths: 0.368 m
 - Bar length and diameter: 0.6 m x 0.06 m.
 - Bar material: Aluminium
 - Bar material loss angle: 1.13e+06
```

- Bar temperature: 293 K
- Bar mass: 4.5804 kg
- Bar Inertia: 0.13741 kg*m^2