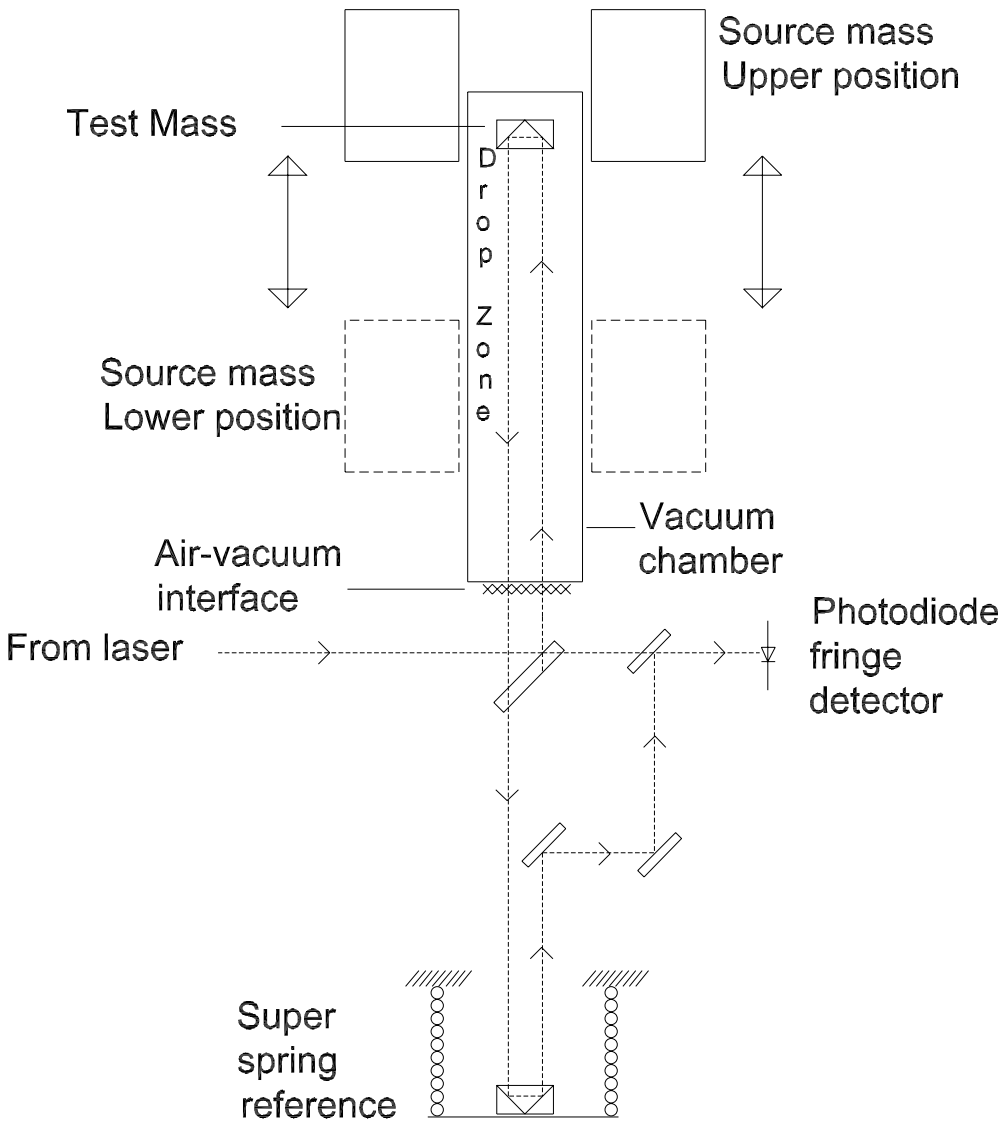
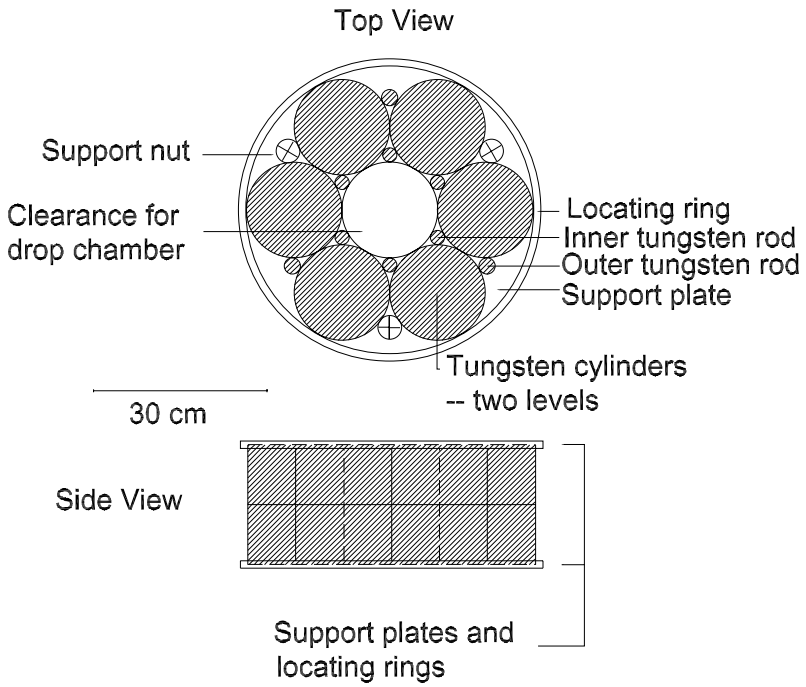
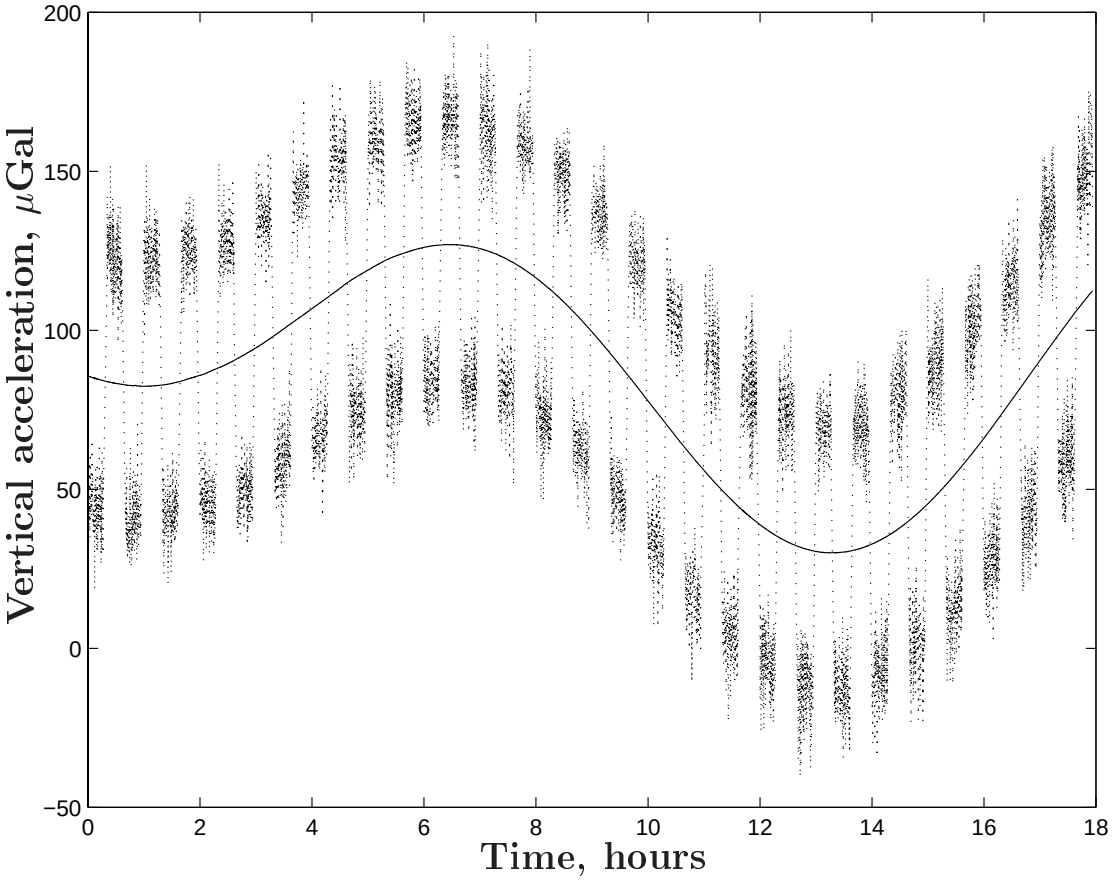
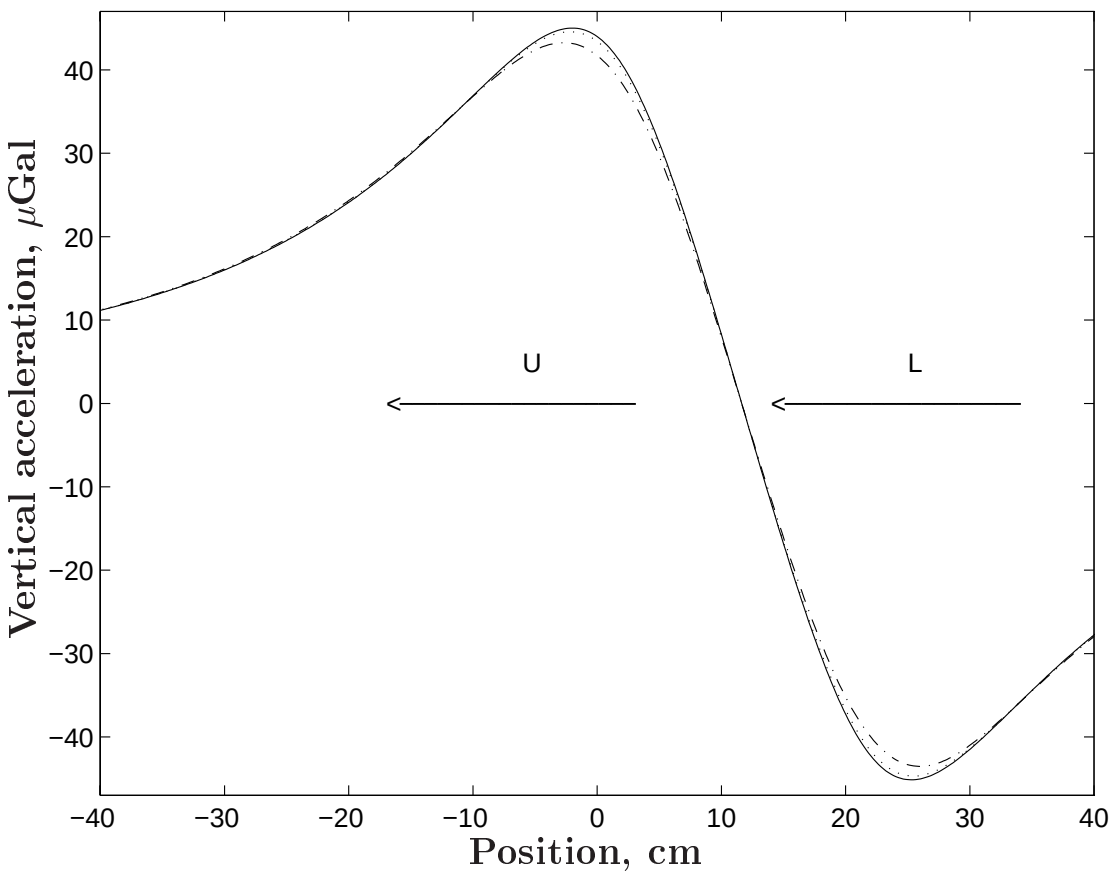
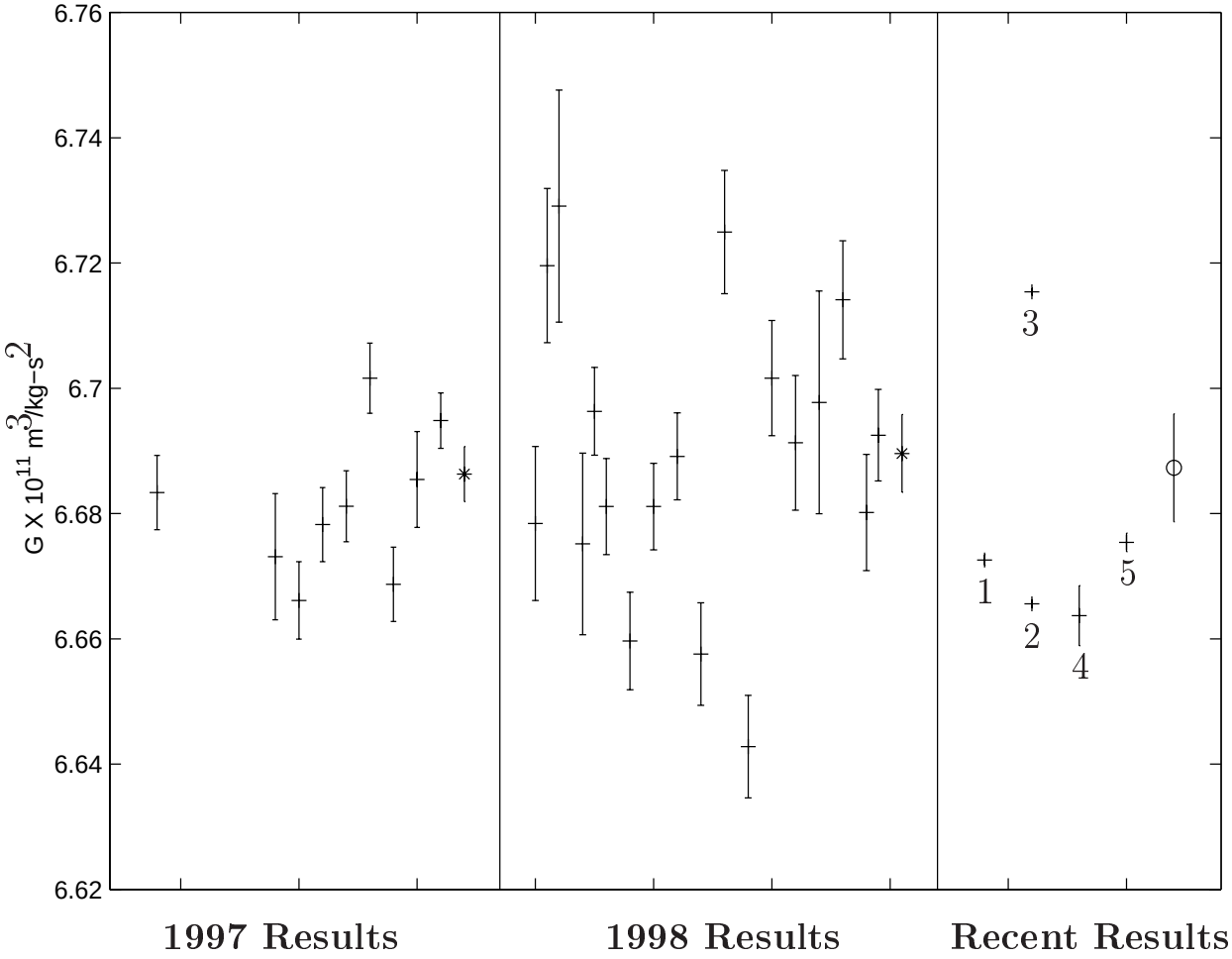

Source mass
Upper position
Test Mass
Drop Zone
Source mass
Lower position
Vacuum
chamber
Air-vacuum
interface
Photodiode
fringe
detector
From laser
Super
spring
reference


Top View
Support nut
Clearance for
drop chamber
Locating ring
Inner tungsten rod
Outer tungsten rod
Support plate
Tungsten cylinders
-- two levels
30 cm
Side View
Support plates and
locating rings


Vertical acceleration, μGal
Time, hours
200
150
100
50
0
−50
0
2
4
6
8
10
12
14
16
18


Vertical acceleration, μGal
Position, cm
U
L
40
30
20
10
0
−10
−20
−30
−40
−40
−30
−20
−10
0
10
20
30
40


6.76
6.74
6.72
6.7
6.68
6.66
6.64
6.62
G X 10^11 m^3/kg-s^2
1
2
3
4
5
1997 Results
1998 Results
Recent Results