```
#basic graph

reset

set termoption enhanced

usaDecX=1776
usaDecY=3

railX=1811
railY=3

civilX=1861
civilY=3

carX=1886
carY=3

ww1X=1914
ww1Y=5.5

ww2X=1939
ww2Y=6

moonX=1969
moonY=17

sovietX=1990
sovietY=12

set title "Law Dome Ice Core CO_{2}, CH_{4}, and N_{2}O Data\n events labeled solely for
time perspective"
set autoscale x
set xrange [1700:2004]
set xtics 50
set mxtics 5
set mytics 2
set zeroaxis

set origin 0.0, 0.0
set key top left
set key noautotitle

set arrow 1 from usaDecX,usaDecY to usaDecX,0 nohead
set arrow 2 from railX,railY to railX,0 nohead
```

```
set arrow 3 from civilX,civilY to civilX,0 nohead
set arrow 4 from carX,carY to carX,0 nohead
set arrow 5 from ww1X,ww1Y to ww1X,0 nohead
set arrow 6 from ww2X,ww2Y to ww2X,0 nohead
set arrow 7 from moonX,moonY to moonX,0 nohead
set arrow 8 from sovietX,sovietY to sovietX,0 nohead

set label "USA Declaration\nof Independence" at usaDecX,usaDecY rotate by -45 right
set label "First Railroad" at railX,railY rotate by -45 right
set label "American Civil War" at civilX,civilY rotate by -45 right
set label "Patented Petrol\nPowered Car" at carX,carY rotate by -45 right
set label "World War I" at ww1X,ww1Y rotate by -45 right
set label "World War II" at ww2X,ww2Y rotate by -45 right
set label "Moon\nLanding" at moonX,8 rotate by -45 right
set label "Soviet\nUnion\nFalls" at sovietX,sovietY rotate by -45 right

plot "law2006.csv" using 1:3 title "change in CH_{4} (ppb/yr)" with lines lw 2, \
 "law2006.csv" using 1:7 title "change in CO_{2} (ppm/yr)" with lines lw 2, \
 "law2006.csv" using 1:10 title "change in N_{2}O (ppm/yr)" with lines lw 2, \
 0 with lines lc rgb '#000000'
```