;Jcomp\_PGSE

;J-compensated spin-echo 1D Diffusion

;A.M.Torres, G. Zheng and W. Price, MRC, 48, 129-133 (2010)

#include <Avance.incl>

#include <Grad.incl>

"p2=p1 \* 2.0"

"d22=50u"

"d29=(d15\*0.5 - d22 - d22 - p16 - d17 - p2)/2"

;"d30=d29 - p1"

"d31=p2"

1 ze

2 d1

 p1 ph1

 d22 UNBLKGRAD

 p16:gp1

 d17

 d22 BLKGRAD

 d29

 p2 ph2

 d29

 d22 UNBLKGRAD

 p16:gp1

 d17

 d22 BLKGRAD

 p1 ph3

 d22 UNBLKGRAD

 p16:gp1

 d17

 d22 BLKGRAD

 d29

 p2 ph2

 d29

 d22 UNBLKGRAD

 p16:gp1

 d17

 d22 BLKGRAD

 go=2 ph31

 wr #0

exit

ph1 = 0

ph2 = 1 3

ph3 = 1 1 3 3

ph31 = 0

;RF PULSES

;pl1 : f1 channel - power level for pulse (default)

;p1 : f1 channel - 90 degree high power pulse

;p2 : f1 channel - 180 degree high power pulse, it is calculated from p1

;DELAYS

;d1 : relaxation delay; 1-5 \* T1

;d15 : Capital Delta

;d17 gradient recovery delay (~ 100 us should be enough for high res probe)

;GRADIENTS

;p16: diffusion gradient pulse = little delta [1-5 ms]

; gradient shape is controlled by gpnam1 (e.g., wp\_squa50)

; gradient amplitude is controlled by gpz1 (in %)

;SCANS AND PHASE CYCLES

;NS: preferably 4 \* n

;use the au program wp\_diffamp to increment the gradients