DPX 200 Selective 1D experiments.

SELCOSY

1. edc define name user expno and so forth
2. rpar proton all
3. getprosol
4. rga
5. zg
6. efp, apk, abs
7. Note down the O1 value of peak to be irradiated
8. edc increase expon with 1
9. rpar uioselcosy all (do NOT type getprosol)
10. Enter the O1 value of the peak to irradiate
11. ns and TD0 to be set (total number of scans = NS x TD0) usually NS = 16.
12. zg
13. The experiment can be stopped by typing STOP (not HALT)
14. Do not type tr while doing the experiment
15. efp (NB efp antiphase correlation peaks)
16. Alternatively: FT, abs, PS, /8 several times (all peaks positive).

SELTOCSY

1. edc define name user expno and so forth
2. rpar proton all
3. getprosol
4. rga
5. zg
6. efp, apk, abs
7. Note down the O1 value of peak to be irradiated
8. edc increase expon with 1
9. rpar uioseltocsy80 all (medium range correlations)(do NOT type getprosol)
10. or rpar uioseltocsy240 all (long range correlations) (do NOT type getprosol)
11. Enter the O1 value of the peak to irradiate
12. ns and TD0 to be set (total number of scans = NS x TD0) usually NS = 16.
13. zg
14. The experiment can be stopped by typing STOP (not HALT)
15. Do not type tr while doing the experiment
16. efp (NB all peaks should be positive and phased as for a standard 1H spectrum)

Alternatively: If some peaks show anti phase distortion (more common with shorter mixing times) power mode processing can be used to generate positive peaks: type: FT, PS, abs, /8 several times (all peaks positive)

17. To get an NMR spectrum with much higher intensity.
18. For resolution enhancement set LB = -1.5 (or -2), GB = 0.33

19. GFP
20. PS
21. abs
22. /8 several times (all peaks are positive with resolution enhancement processing).
23. LB to 0.1 (or other normal value)
24. GB = 0 BEFORE using EFP to reprocess the spectrum as a conventional 1H spectrum (otherwise EFP with GFP parameters gives rubbish/noise.

SELNOESY and SELROESY does not work on DPX 200.