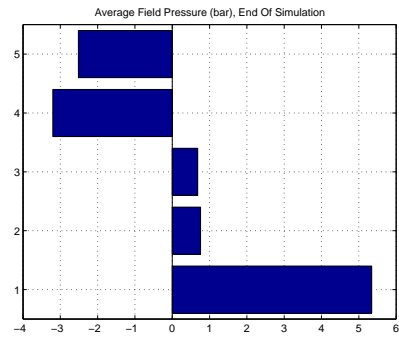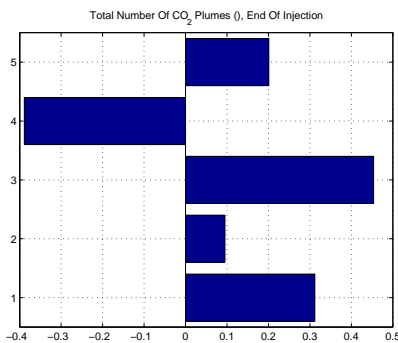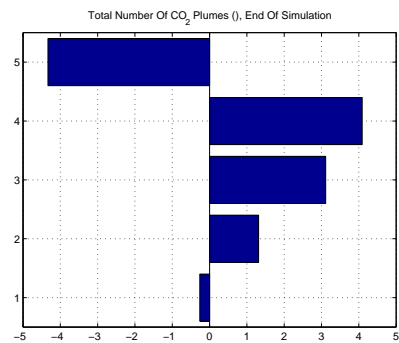(a) End of injection

(b) End of simulation

**Figure 12** *Average pressure sensitivity to different geological features. In these pictures, the vertical axis shows the different geological features from bottom to top: 1-fault, 2-lobosity, 3-barrier, 4-aggradation and 5-progradation. Notice the different range in the horizontal axis at end of injection and end of simulation.*
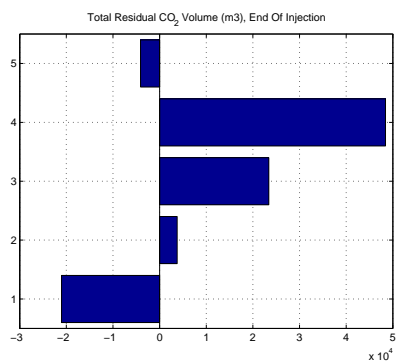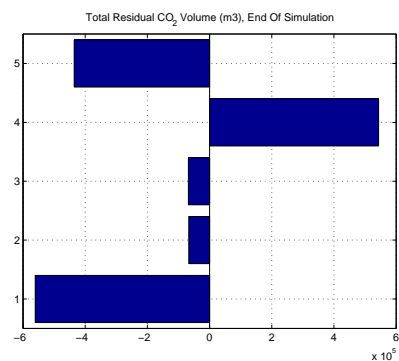


(a) End of injection

(b) End of simulation

**Figure 13** *$CO_2$ plume number sensitivity to different geological features. See Fig. 12 for the vertical axis explanation.*



(a) End of injection

(b) End of simulation

**Figure 14** *Total residual $CO_2$ sensitivity to different geological features.*