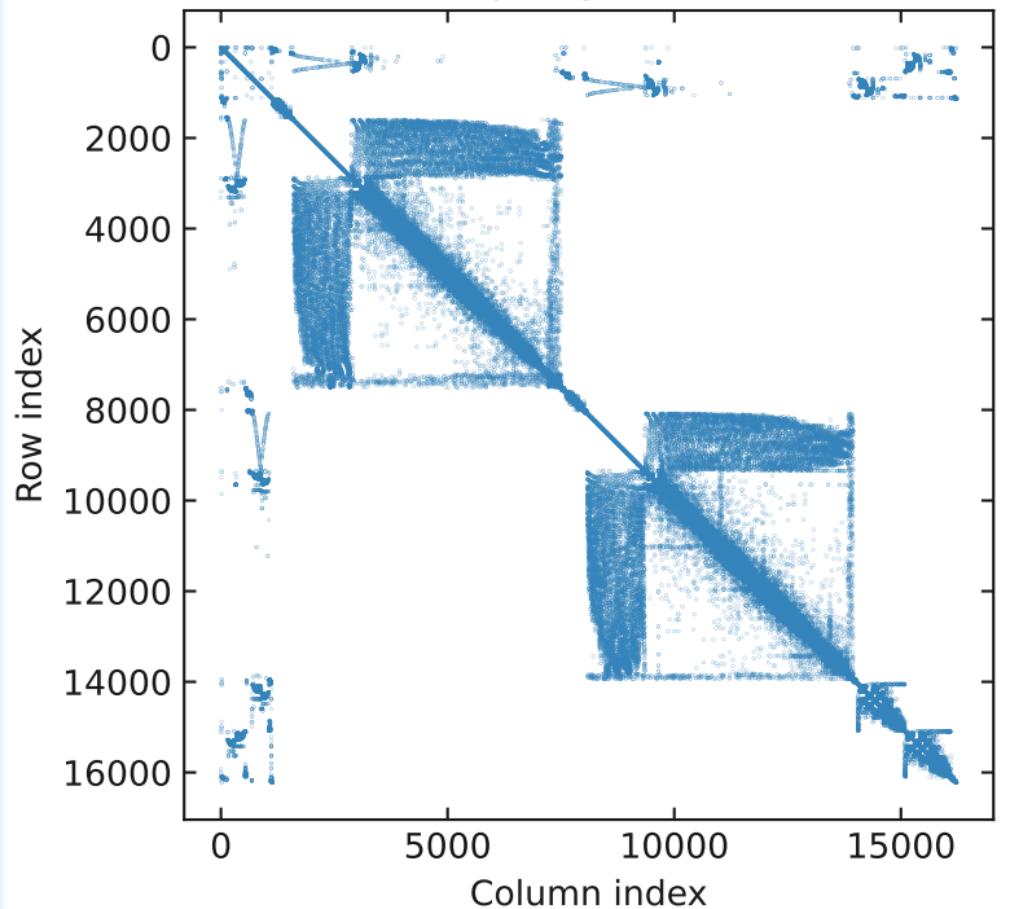
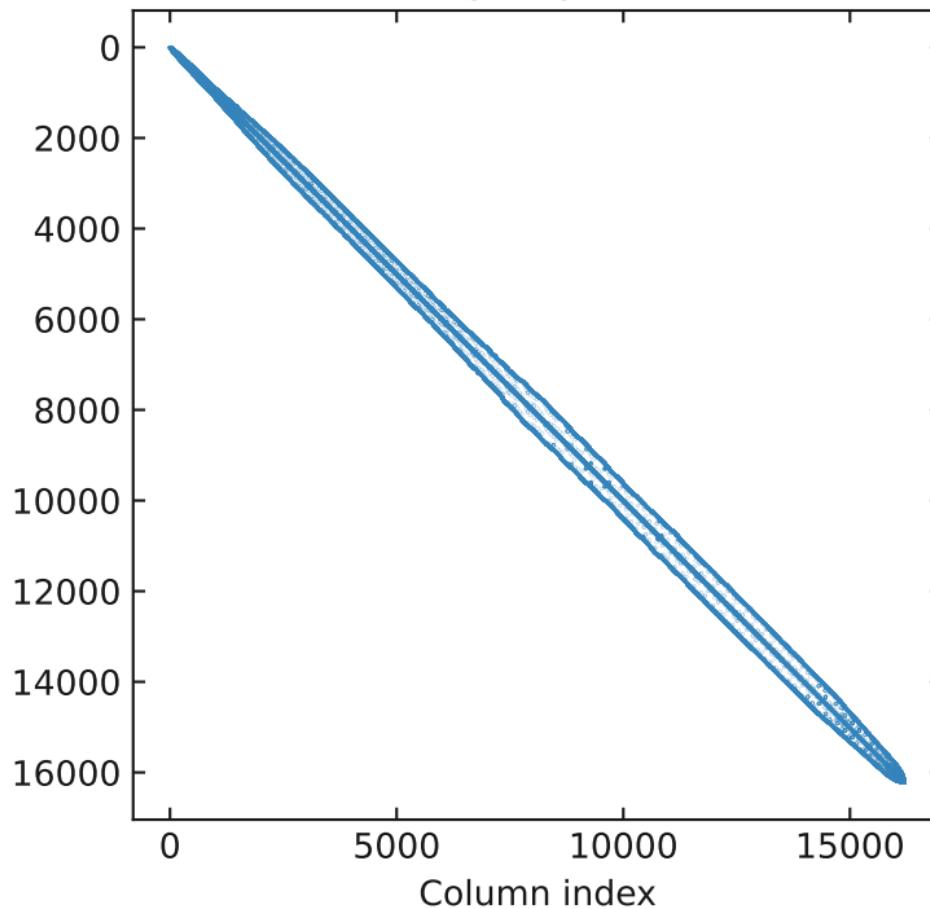


**Reference (No renumbering)**  
 $\max |i - j| = 16199$



**RCM (Bandwidth reduction)**  
 $\max |i - j| = 455$



**METIS (Fill-in reduction)**  
 $\max |i - j| = 16200$

