





- Total number of MPI ranks=60; OMP=N means N threads per MPI rank.
- Original code uses a shared global task counter to deal with dynamic load balancing with MPI ranks
- Loop parallelize top 10 routines in TEXAS package (75% of total CPU time) with OpenMP. Has load-imbalance.
- OMP=1 has overhead over pure MPI.
- OMP=2 has overall best performance in many routines.



