8/16/19

Documentation:

**Lodcslbio** (rbiotransformf90): Changes begin on **line 190** and end **line 246;**

**Lodcsl\_CSF** (rcsfinteract90): Changes begin on **line 78** and end **line 142**; output- rcsf.out [X]

**Lodcsl\_MR** (rcsfinteract90): Changes begin on **line 86** and end **line 141**; output- rcsf.out [X]

**Lodcsh2GG** (rmcdhf90): Changes begin on **line 125** and end **line 186**; output- rmcdhf.sum [X]

**Lodcslm** (rtransition90): Changes begin on **line 167** and end **line 218;**

**Lodcsl** (lib9290): Changes begin on **line 177** and end **line 233;**

\*Output files according to GRASP2018 manual page 28

Changes made to these program involve only the control flow for the reading of the CSF lines similar to the ones made to lodcsh2.f90 in the rangunlar library. Please refer to the documentation on rangular for detailed explanation on changes made.

Testing of whether the changes work as intended was done by checking output files given by each of the load files by running the test scripts in the grasptest folder. Lodcsl (lib9290) was not checked. RCSFGenerate short was used in place of the original RCSF generate.