This is a template for release notes for the Tide/Gyre transition only.  Please use this as a guide to put together release notes. The format doesn’t need to be followed but the content must be there.

Release Notes:  *CPCI v1.1.1 -* released to NCO on *June 27, 2019*

* Transition to from Tide/Gyre Phase *2* to *Venus/Mars*
* Where is the release tag? Tar file on mars: /gpfs/dell2/cpc/noscrub/Vadlamani.Kumar/nwprod/cpci.v1.1.1.tar
* List of external software used (anything outside of your vertical structure), including compilers and version numbers for everything
* gempak 7.3.1
* Software used must be a minimal list of modules/versions specified per job
* Needed Modules:
* prod\_util lsf/10.1 ips/18.0.1.163 smpi/10.1.1.0 gempak/7.3.1
* List of all code/scripts modified with this release: (all path changes via job script)
* ush directory:
  + Added ush script gfs\_maps\_thickness\_6hrly.sh
  + Modified ush script gfs\_maps\_pwatr\_6hrly.sh - changed pdscl range
  + Minor changes (ex: readability, comments etc) unrelated to execution of script

scripts directory (exec scripts):

* Updated the tasks for gfs (from 263 to 268) due to the addition of the ush script gfs\_maps\_pwatr\_6hrly.sh.
* Made changes to mpmd mpi run command for phase3
* Updated the number of graphics from 21111 to 23331

fix directory: no changes

jobs directory: Top level job cards: appropriate changes to paths, modules

* Developer top-level job scripts provided as a guidance (overriding defaults)
* No changes to JCPCI script (Any defaults may be changed by the SPA)
* What changes were made to the above code/scripts to support the new architecture?
  + Adjustments due to task/node geometry (gfs: tasks changed from 263 to 268)
  + Tasks per node 28 on phase3 (changed from 24 on phase2)
* Were any other changes made that aren’t directly related to the transition?
  + Some cosmetic changes for better readability
* Are there any changes to incoming data needs or outgoing products? None
* If output filenames are changing, list the current and new filename: None
* Compute resource information, for every job:
* Total tasks: gfs: changed from 263 to 268 gdas: 53 (no change) gefs: 180 (no change)
* Tasks per node: changed from 24 to 28 (gfs, gdas, gefs)
* Serial or parallel or mpmd: mpmd
* Memory requirements (exclusive or shared): exclusive
* List any other LSF resource information requirements or MPI tunables: None
* \*\*\* Providing LSF and/or ecFlow submission scripts as part of release tag is preferred; if they are provided then this information is not needed in the release notes.
* Runtime changes compared to current production (/com/logs/runtime/daily/\* for current stats)
* Disk space required per day or per cycle; data retention on disk will remain the same unless otherwise requested.: No significant change
* Dissemination will remain the same unless otherwise communicated to NCO and a PNS/SCN issued: No change required
* HPSS archive retention will remain the same unless approval granted by HPCRAC: N.A.
* What are your up and downstream dependencies? Input files from ….nawips/prod