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| **In FVCOM42\_source:** | |
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| **New added(2):** | |
| coare26z.F | Separated subroutine coare26z from MOD\_HEATFLUX and MOD\_HEATFLUX\_GL |
| coare40vn.F | New subroutine coare40vn |
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| **Modified (25):** | |
| bcond\_gcn.F | 1. Removed Flag HEATING\_CALCULATED\_GL  2. Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx) |
| bcond\_gcy.F |
| cntrl\_prmtrs.F | Removed Flag HEATING\_CALCULATED\_GL |
| ice\_constants.F | Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx) |
| ice\_flux.F |
| ice\_init.F |
| ice\_itd.F |
| ice\_mechred.F |
| ice\_ocean.F |
| ice\_state.F |
| ice\_therm\_itd.F |
| ice\_therm\_vertical.F |
| makefile | 1. Added file coare26z.F and coare40vn.F in file list  2. Removed file mod\_heatflux\_gl.F in file list |
| make.inc | 1. Added Flag 'ICE\_FRESHWATER'  2. Removed FLAG 'HEATING\_CALCULATED\_GL' |
| mod\_force.F | 1. Removed Flag HEATING\_CALCULATED\_GL  2. Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx)  3. Added code for calling subroutines COARE26Z or COARE40VN |
| mod\_heatflux.F | 1. Combined modules MOD\_HEATFLUX and MOD\_HEATFLUX\_GL into one module  2. Added new logical parameters HEATING\_ FRESHWATER and COARE\_VERSION in namelist NML\_HEATING\_ CALCULATED  3. Moved subroutine COARE26Z out as a file |
| mod\_ice2d.F | Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx) |
| mod\_ice.F |
| mod\_input.F | Removed Flag HEATING\_CALCULATED\_GL |
| mod\_main.F | 1. Removed Flag HEATING\_CALCULATED\_GL  2. Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx) |
| mod\_ncdio.F |
| mod\_obcs.F | Updated from NOAA GLERL (see file GLERL\_FVCOM\_v32\_updates-Ice.docx) |
| mod\_solar.F |
| mod\_station\_timeseries.F | Removed Flag HEATING\_CALCULATED\_GL |
| Namelist.F |
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| **Delated (1):** | |
| mod\_heatflux\_gl.F | Combined modules MOD\_HEATFLUX and MOD\_HEATFLUX\_GL into one module MOD\_HEATFLUX |