

nwp.h

```
80 /* Forcing */
81 # undef ATM2OCN_FLUXES /* surface fluxes from ATM model */
82 #define BULK_FLUXES
83 # undef CCSM_FLUXES
84 #define EMINUSP /* use evap & rain from ATM model */
85 #define ANA_SSFLUX
86 #define ATM_PRESS
87 #define ANA_BTFLUX
88 #define ANA_BSFLUX
89 #define ANA_BPFLUX
90 # undef ANA_SPFLUX
91 # undef ANA_SRFLUX
92 #define SOLAR_SOURCE
93
```

wrt_his.f

```
2732 if defined BULK_FLUXES || defined AIR_OCEAN
2733 !
2734 ! Write out latent heat flux.
2735 !
2736 IF (Hout(idLhea,ng)) THEN
2737   scale=rho0*Cp
2738   gtype=gfactor*r2dvar
2739   status=nf_fwrite2d(ng, iNLM, HIS(ng)%ncid, HIS(ng)%Vid(idLhea), &
2740     & HIS(ng)%Rindex, gtype, &
2741     & LBi, UBi, LBj, U Bj, scale, &
2742 #   ifdef MASKING
2743     & GRID(ng) % rmask, &
2744 #   endif
2745     & FORCES(ng) % lhflx)
2746   IF (FoundError(status, nf90_noerr, __LINE__,
2747     & __FILE__)) THEN
2748     IF (Master) THEN
2749       WRITE (stdout,10) TRIM(Vname(1,idLhea)), HIS(ng)%Rindex
2750     END IF
2751     exit_flag=3
2752     ioerror=status
2753     RETURN
2754   END IF
2755 END IF
```

ocean.in

```
631
632 HouF(idRunoff) == F F ! Runoff surface runoff from land
633 HouF(idPair) == T T ! Pair surface air pressure
634 HouF(idFsur) == T T T T ! shflux, ssflux surface neF heaF and salF flux
635 HouF(idLhea) == T T ! laFenF laFenF heaF flux
636 HouF(idShea) == T T ! sensible sensible heaF flux
637 HouF(idLrad) == F F ! lwrad longwave radiaFion flux
638 HouF(idSrad) == F F ! swrad shorFwave radiaFion flux
639 HouF(idEmPf) == F F ! EminusP E-P flux
640 HouF(idEvap) == F F ! evaporaFion evaporaFion raFe
641 HouF(idrain) == F F ! rain precipiFaFion raFe
642
```

run-out-0

```
143
144 T Hout(idFsur) Write out free-surface.
145 T Hout(idUbar) Write out 2D U-momentum component.
146 T Hout(idVbar) Write out 2D V-momentum component.
147 T Hout(idUvel) Write out 3D U-momentum component.
148 T Hout(idVvel) Write out 3D V-momentum component.
149 T Hout(idWvel) Write out W-momentum component.
150 T Hout(idTvar) Write out tracer 01: temp
151 T Hout(idTvar) Write out tracer 02: salt
152 T Hout(idpthR) Write out time-varying dephts of RHO-points.
153 T Hout(idUair) Write out surface U-wind component.
154 T Hout(idVair) Write out surface V-wind component.
155
```

Why doesn't it output **Hout(idLhea)**?