
CCCC HHH PHOENICS Version 3.5.0 - EARTH
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This program forms part of the PHOENICS installation for:
CHAM
The code expiry date is the end of : Oct 2003

Property-related data from gxprutil:

PRPS is stored with initial value =

=-1.000000E+00

material properties used are...

denst1

visclm

thrme1

speht1

also, other related settings are ...

usegrx = T

usegrd = T

altprp = T

end of property-related data

Number of phases, including continuous =

3

prtcl no= 1

density = 2.000000E+03 diameter= 1.000000E-04

viscosity= 2.500000E-06

prtcl no= 2

density = 2.000000E+03 diameter= 2.000000E-05

viscosity= 2.500000E-06

Number of F-array locations available is 30000000

Number used before BFC allowance is 54216

Number used after BFC allowance is 54216

Group 1. Run Title and Number

TEXT(3D flow in a channel with an obstacle:P1)

IRUNN = 1 ;LIBREF = 109

Group 2. Time dependence

STEADY = T

Group 3. X-Direction Grid Spacing

CARTES = T

NX = 10

XULAST = 5.000000E+00

XFRAC (1) = 1.000000E-01 ;XFRAC (2) = 2.000000E-01

XFRAC (3) = 3.000000E-01 ;XFRAC (4) = 4.000000E-01

XFRAC (5) = 5.000000E-01 ;XFRAC (6) = 6.000000E-01

XFRAC (7) = 7.000000E-01 ;XFRAC (8) = 8.000000E-01

XFRAC (9) = 9.000000E-01 ;XFRAC (10) = 1.000000E+00

Group 4. Y-Direction Grid Spacing

NY = 14

YVLAST = 7.000000E+00

YFRAC (1) = 7.142857E-02 ;YFRAC (2) = 1.428571E-01

YFRAC (3) = 2.142857E-01 ;YFRAC (4) = 2.857143E-01

YFRAC (5) = 3.571429E-01 ;YFRAC (6) = 4.285715E-01

YFRAC (7) = 5.000000E-01 ;YFRAC (8) = 5.714286E-01

YFRAC (9) = 6.428572E-01 ;YFRAC (10) = 7.142857E-01

YFRAC (11) = 7.857143E-01 ;YFRAC (12) = 8.571429E-01

YFRAC (13) = 9.285715E-01 ;YFRAC (14) = 1.000000E+00

Group 5. Z-Direction Grid Spacing

PARAB = F

NZ = 16

ZWLAST = 2.000000E+01

ZFRAC (1) = 6.250000E-02 ;ZFRAC (2) = 1.250000E-01

ZFRAC (3) = 1.875000E-01 ;ZFRAC (4) = 2.500000E-01

ZFRAC (5) = 3.125000E-01 ;ZFRAC (6) = 3.750000E-01

ZFRAC (7) = 4.375000E-01 ;ZFRAC (8) = 5.000000E-01

ZFRAC (9) = 5.625000E-01 ;ZFRAC (10) = 6.250000E-01

ZFRAC (11) = 6.875000E-01 ;ZFRAC (12) = 7.500000E-01
ZFRAC (13) = 8.125000E-01 ;ZFRAC (14) = 8.750000E-01
ZFRAC (15) = 9.375000E-01 ;ZFRAC (16) = 1.000000E+00

Group 6. Body-Fitted Coordinates

Group 7. Variables: STOREd,SOLVEd,NAMED

ONEPHS = T

NAME(1) =P1 ;NAME(3) =U1

NAME(5) =V1 ;NAME(7) =W1

NAME(16) =PT0 ;NAME(17) =PT1

NAME(18) =PT2 ;NAME(145) =PRPS

NAME(146) =VPOR ;NAME(147) =IMB1

NAME(148) =VFOL ;NAME(149) =VISL

NAME(150) =DEN1

* Y in SOLUTN argument list denotes:

* 1-stored 2-solved 3-whole-field

* 4-point-by-point 5-explicit 6-harmonic averaging

SOLUTN(P1 ,Y,Y,N,N,N,Y)

SOLUTN(U1 ,Y,Y,N,N,N,Y)

SOLUTN(V1 ,Y,Y,N,N,N,Y)

SOLUTN(W1 ,Y,Y,N,N,N,Y)

SOLUTN(PT0 ,Y,N,N,N,N,Y)

SOLUTN(PT1 ,Y,N,N,N,N,Y)

SOLUTN(PT2 ,Y,N,N,N,N,Y)

SOLUTN(PRPS,Y,N,N,N,N,N)

SOLUTN(VPOR,Y,N,N,N,N,N)

SOLUTN(IMB1,Y,N,N,N,N,Y)

SOLUTN(VFOL,Y,Y,N,Y,N,Y)

SOLUTN(VISL,Y,N,N,N,N,Y)

SOLUTN(DEN1,Y,N,N,N,N,Y)

DEN1 = 150

VISL = 149

EPOR = 0 ;HPOR = 0 ;NPOR = 0 ;VPOR = 146

IMB1 = 147

PRPS = 145

Group 8. Terms & Devices

* Y in TERMS argument list denotes:

* 1-built-in source 2-convection 3-diffusion 4-transient

* 5-first phase variable 6-interphase transport

TERMS (P1 ,Y,Y,Y,N,Y,N)

TERMS (U1 ,Y,Y,Y,N,Y,N)

TERMS (V1 ,Y,Y,Y,N,Y,N)

TERMS (W1 ,Y,Y,Y,N,Y,N)

TERMS (VFOL,N,N,N,N,Y,N)

DIFCUT = 5.000000E-01 ;ZDIFAC = 1.000000E+00
 GALA = T ;ADDDIF = F
 NEWRH1 = T
 NEWENL = T
 ISOLX = -1 ;ISOLY = -1 ;ISOLZ = -1

Group 9. Properties used if PRPS is not
 stored, and where PRPS = -1.0 if it is!
 RHO1 = GRND ;TMP1 = 0.000000E+00
 EL1 = 0.000000E+00
 TSURR = 0.000000E+00 ;TEMP0 = 0.000000E+00
 PRESS0 = 0.000000E+00
 DVO1DT = 0.000000E+00 ;DRH1DP = 0.000000E+00
 RHO1A = 0.000000E+00 ;RHO1B = 0.000000E+00
 RHO1C = 0.000000E+00
 EMISS = 0.000000E+00 ;SCATT = 0.000000E+00
 RADIA = 0.000000E+00 ;RADIB = 0.000000E+00
 ENUL = GRND ;ENUT = 0.000000E+00
 ENULA = 0.000000E+00 ;ENULB = 0.000000E+00
 ENULC = 0.000000E+00
 CINT (PT0) = 1.000000E+00 ;CINT (PT1) = 1.000000E-04
 CINT (PT2) = 2.000000E-05 ;CINT (PRPS) = 1.000000E+00
 CINT (VPOR) = 1.000000E+00 ;CINT (IMB1) = 1.000000E+00
 CINT (VFOL) = 1.000000E+00 ;CINT (VISL) = 1.000000E+00
 CINT (DEN1) = 1.000000E+00
 PHINT (PT0) = 1.280000E+00 ;PHINT (PT1) = 2.000000E+03
 PHINT (PT2) = 2.000000E+03 ;PHINT (PRPS) = -2.022000E+04
 PHINT (VPOR) = -2.022000E+04 ;PHINT (IMB1) = -2.022000E+04
 PHINT (VFOL) = -2.022000E+04 ;PHINT (VISL) = -2.022000E+04
 PHINT (DEN1) = -2.022000E+04
 PRNDTL(U1) = 1.000000E+00 ;PRNDTL(V1) = 1.000000E+00
 PRNDTL(W1) = 1.000000E+00
 PRT (U1) = 1.000000E+00 ;PRT (V1) = 1.000000E+00
 PRT (W1) = 1.000000E+00
 CP1 = 1.000000E+00 ;CP2 = 1.000000E+00

 Group 10. Inter-Phase Transfer Processes

Group 11. Initial field variables (PHIs)
 FIINIT(P1) = 1.000000E+04 ;FIINIT(U1) = 0.000000E+00
 FIINIT(V1) = 0.000000E+00 ;FIINIT(W1) = 1.500000E+01
 FIINIT(PT0) = 8.000000E-01 ;FIINIT(PT1) = 1.000000E-01
 FIINIT(PT2) = 1.000000E-01 ;FIINIT(PRPS) = -1.000000E+00
 FIINIT(VPOR) = 1.000000E+00 ;FIINIT(IMB1) = 1.000000E-10
 FIINIT(VFOL) = 1.000000E-10 ;FIINIT(VISL) = 1.000000E-10
 FIINIT(DEN1) = 1.000000E-10

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PATCH(STEP ,INIVAL, 3, 6, 1, 3, 8, 8, 1, 1)
INIT(STEP ,PRPS, 0.000000E+00, 1.990000E+02)
INIADD = F
FSWEEP = 1
NAMFI =CHAM
*****

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Group 12. Patchwise adjustment of terms
Patches for this group are printed with those
for Group 13.
Their names begin either with GP12 or &

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*****
Group 13. Boundary & Special Sources

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PATCH(ASMIN ,LOW , 1, 10, 1, 14, 1, 1, 1, 1)
COVAL(ASMIN ,P1 , FIXFLU , 6.015360E+03)
COVAL(ASMIN ,U1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMIN ,V1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMIN ,W1 , 0.000000E+00, 1.500000E+01)
COVAL(ASMIN ,PT0 , 0.000000E+00, 8.000000E-01)
COVAL(ASMIN ,PT1 , 0.000000E+00, 1.000000E-01)
COVAL(ASMIN ,PT2 , 0.000000E+00, 1.000000E-01)
COVAL(ASMIN ,VFOL, 0.000000E+00, 2.493616E-03)

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PATCH(ASMOU2 ,HIGH , 1, 10, 1, 14, 16, 16, 1, 1)
COVAL(ASMOU2 ,P1 , 1.000000E+01, 0.000000E+00)
COVAL(ASMOU2 ,U1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,V1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,W1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,PT0 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,PT1 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,PT2 , 0.000000E+00, 0.000000E+00)
COVAL(ASMOU2 ,VFOL, 0.000000E+00, 0.000000E+00)

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PATCH(ASMOU1 ,HIGH , 1, 10, 1, 14, 16, 16, 1, 1)

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PATCH(BUOYANCY,PHASEM, 1, 10, 1, 14, 1, 16, 1, 1)
COVAL(BUOYANCY,V1 , FIXFLU , GRND1 )
XCYCLE = F
EGWF = F
BUOYA = 0.000000E+00 ; BUOYB =-9.810000E+00
BUOYC = 0.000000E+00

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*****
Group 14. Downstream Pressure For PARAB

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*****
Group 15. Terminate Sweeps

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LSWEEP = 250 ;ISWC1 = 1
LITHYD = 1 ;LITFLX = 1 ;LITC = 1 ;ITHC1 = 1
SELREF = T
RESFAC = 1.000000E-02
*****

Group 16. Terminate Iterations
LITER (P1 ) = 20 ;LITER (U1 ) = 10
LITER (V1 ) = 10 ;LITER (W1 ) = 10
LITER (VFOL) = 20
ENDIT (P1 ) = 1.000000E-03 ;ENDIT (U1 ) = 1.000000E-03
ENDIT (V1 ) = 1.000000E-03 ;ENDIT (W1 ) = 1.000000E-03
ENDIT (VFOL) = 1.000000E-03
*****

Group 17. Relaxation
RELAX(P1 ,LINRLX, 1.000000E+00)
RELAX(U1 ,FALSDT, 2.000000E+00)
RELAX(V1 ,FALSDT, 2.000000E+00)
RELAX(W1 ,FALSDT, 2.000000E+00)
RELAX(PT0 ,LINRLX, 8.000000E-01)
RELAX(PT1 ,LINRLX, 8.000000E-01)
RELAX(PT2 ,LINRLX, 1.000000E+05)
RELAX(PRPS,LINRLX, 1.000000E+00)
RELAX(IMB1,LINRLX, 1.000000E+00)
RELAX(VFOL,FALSDT, 1.000000E+09)
RELAX(VISL,LINRLX, 1.000000E+00)
RELAX(DEN1,LINRLX, 1.000000E+00)
OVRRLX = 0.000000E+00
EXPERT = F ;NNORSL = F
*****

Group 18. Limits
VARMAX(P1 ) = 1.000000E+10 ;VARMIN(P1 ) = -1.000000E+10
VARMAX(U1 ) = 1.000000E+06 ;VARMIN(U1 ) = -1.000000E+06
VARMAX(V1 ) = 1.000000E+06 ;VARMIN(V1 ) = -1.000000E+06
VARMAX(W1 ) = 1.000000E+06 ;VARMIN(W1 ) = -1.000000E+06
VARMAX(PT0 ) = 1.000000E+10 ;VARMIN(PT0 ) = -1.000000E+10
VARMAX(PT1 ) = 1.000000E+10 ;VARMIN(PT1 ) = -1.000000E+10
VARMAX(PT2 ) = 1.000000E+10 ;VARMIN(PT2 ) = -1.000000E+10
VARMAX(PRPS) = 1.000000E+10 ;VARMIN(PRPS) = -1.000000E+10
VARMAX(VPOR) = 1.000000E+10 ;VARMIN(VPOR) = -1.000000E+10
VARMAX(IMB1) = 1.000000E+10 ;VARMIN(IMB1) = -1.000000E+10
VARMAX(VFOL) = 1.000000E+10 ;VARMIN(VFOL) = -1.000000E+10
VARMAX(VISL) = 1.000000E+10 ;VARMIN(VISL) = -1.000000E+10
VARMAX(DEN1) = 1.000000E+10 ;VARMIN(DEN1) = -1.000000E+10
*****

Group 19. Data transmitted to GROUND
USEGRD = T ;USEGRX = T

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ASLP = T
LASLPA = T ;LASLPB = T
SPEDAT(SET,MATERIAL,199,L,T)
*****

Group 20. Preliminary Printout
ECHO = T
*****

Group 21. Print-out of Variables
INIFLD = F ;SUBWGR = F
  * Y in OUTPUT argument list denotes:
  * 1-field 2-correction-eq. monitor 3-selective dumping
  * 4-whole-field residual 5-spot-value table 6-residual table
OUTPUT(P1 ,Y,Y,Y,Y,Y,Y)
OUTPUT(U1 ,Y,Y,Y,Y,Y,Y)
OUTPUT(V1 ,Y,Y,Y,Y,Y,Y)
OUTPUT(W1 ,Y,Y,Y,Y,Y,Y)
OUTPUT(PT0 ,Y,N,Y,Y,N,N)
OUTPUT(PT1 ,Y,N,Y,Y,N,N)
OUTPUT(PT2 ,Y,N,Y,Y,N,N)
OUTPUT(PRPS,Y,N,Y,N,N,N)
OUTPUT(VPOR,Y,N,Y,N,N,N)
OUTPUT(IMB1,Y,N,Y,N,N,N)
OUTPUT(VFOL,N,N,Y,N,N,N)
OUTPUT(VISL,Y,N,Y,N,N,N)
OUTPUT(DEN1,Y,N,Y,N,N,N)
*****

Group 22. Monitor Print-Out
IXMON = 5 ;IYMON = 2 ;IZMON = 8
NPRMON = 100000 ;NPRMNT = 1 ;TSTSWP = 10001
UWATCH = F ;USTEER = F
HIGHLO = F
*****

Group 23. Field Print-Out & Plot Control
NPRINT = 250 ;NUMCLS = 5
NXPRIN = 4 ;IXPRF = 1 ;IXPRL = 10
NYPRIN = 1 ;IYPRF = 1 ;IYPRL = 14
NZPRIN = 3 ;IZPRF = 1 ;IZPRL = 10000
XZPR = F ;YZPR = T
IPLTF = 2 ;IPLTL = 250 ;NPLT = 12
ISWPRF = 1 ;ISWPRL = 100000
ITABL = 1 ;I PROF = 1
ABSIZ = 5.000000E-01 ;ORSIZ = 4.000000E-01
NTZPRF = 1 ;NCOLPF = 50
ICHR = 2 ;NCOLCO = 45 ;NROWCO = 20
  No PATCHes yet used for this Group
*****

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Group 24. Dumps For Restarts
SAVE = T ;AUTOPS = F ;NOWIPE = F
NSAVE =CHAM
bdyfx = F bdyfy = T bdyfz = F only 1 = T
iasmp1 = 2 iasmp2 = 4

*** grid-geometry information ***

X-coordinates of the cell centres

2.500E-01 7.500E-01 1.250E+00 1.750E+00 2.250E+00
2.750E+00 3.250E+00 3.750E+00 4.250E+00 4.750E+00

Y-coordinates of the cell centres

2.500E-01 7.500E-01 1.250E+00 1.750E+00 2.250E+00
2.750E+00 3.250E+00 3.750E+00 4.250E+00 4.750E+00
5.250E+00 5.750E+00 6.250E+00 6.750E+00

Z-coordinates of the cell centres

6.250E-01 1.875E+00 3.125E+00 4.375E+00 5.625E+00
6.875E+00 8.125E+00 9.375E+00 1.063E+01 1.188E+01
1.313E+01 1.438E+01 1.563E+01 1.688E+01 1.813E+01
1.938E+01

X-coordinates of the (higher) cell faces

5.000E-01 1.000E+00 1.500E+00 2.000E+00 2.500E+00
3.000E+00 3.500E+00 4.000E+00 4.500E+00 5.000E+00

Y-coordinates of the (higher) cell faces

5.000E-01 1.000E+00 1.500E+00 2.000E+00 2.500E+00
3.000E+00 3.500E+00 4.000E+00 4.500E+00 5.000E+00
5.500E+00 6.000E+00 6.500E+00 7.000E+00

Z-coordinates of the (higher) cell faces

1.250E+00 2.500E+00 3.750E+00 5.000E+00 6.250E+00
7.500E+00 8.750E+00 1.000E+01 1.125E+01 1.250E+01
1.375E+01 1.500E+01 1.625E+01 1.750E+01 1.875E+01
2.000E+01

--- INTEGRATION OF EQUATIONS BEGINS ---

TIME STP= 1 SWEEP NO= 250 ZSLAB NO= 8 ITERN NO= 1

TIME STP= 1 SWEEP NO= 250 ZSLAB NO= 1 ITERN NO= 1

Flow field at ITHYD= 1, ISWEEP= 250, ISTEP= 1
YZPR IX= 1

Field Values of P1

IY= 14 -6.758E+03 -7.427E+03 -1.006E+04 -1.243E+04 -9.796E+03
IY= 13 -4.777E+03 -5.493E+03 -8.263E+03 -1.087E+04 -8.384E+03
IY= 12 -2.779E+03 -3.451E+03 -6.314E+03 -9.224E+03 -6.905E+03
IY= 11 -7.634E+02 -1.358E+03 -4.315E+03 -7.644E+03 -5.456E+03
IY= 10 1.267E+03 7.803E+02 -2.272E+03 -6.173E+03 -4.067E+03
IY= 9 3.309E+03 2.963E+03 -1.600E+02 -4.821E+03 -2.732E+03
IY= 8 5.360E+03 5.188E+03 2.073E+03 -3.597E+03 -1.427E+03
IY= 7 7.415E+03 7.455E+03 4.510E+03 -2.505E+03 -1.282E+02
IY= 6 9.472E+03 9.756E+03 7.291E+03 -1.546E+03 1.184E+03
IY= 5 1.153E+04 1.208E+04 1.067E+04 -6.810E+02 2.531E+03
IY= 4 1.357E+04 1.439E+04 1.499E+04 2.282E+02 3.947E+03
IY= 3 1.560E+04 1.667E+04 1.980E+04 1.431E+03 5.474E+03
IY= 2 1.762E+04 1.884E+04 2.369E+04 2.970E+03 6.962E+03
IY= 1 1.976E+04 2.143E+04 2.760E+04 6.595E+03 1.102E+04
IZ= 1 4 7 10 13
IY= 14 2.032E+02
IY= 13 3.657E+02
IY= 12 4.583E+02
IY= 11 5.283E+02
IY= 10 5.740E+02
IY= 9 6.039E+02
IY= 8 6.255E+02
IY= 7 6.433E+02
IY= 6 6.592E+02
IY= 5 6.742E+02
IY= 4 6.917E+02
IY= 3 7.220E+02
IY= 2 6.771E+02
IY= 1 1.639E+03
IZ= 16

Field Values of U1

IY= 14 4.934E-04 3.862E-03 9.000E-03 5.785E-03 -2.134E-04
IY= 13 5.238E-04 3.773E-03 8.709E-03 6.053E-03 1.729E-03
IY= 12 5.663E-04 4.223E-03 1.019E-02 8.497E-03 4.198E-03
IY= 11 6.304E-04 4.960E-03 1.266E-02 1.296E-02 7.698E-03
IY= 10 7.149E-04 5.937E-03 1.576E-02 2.105E-02 1.395E-02
IY= 9 8.174E-04 7.117E-03 1.847E-02 3.580E-02 2.578E-02
IY= 8 9.340E-04 8.421E-03 1.712E-02 6.176E-02 4.740E-02
IY= 7 1.060E-03 9.706E-03 -8.359E-04 1.023E-01 8.238E-02
IY= 6 1.188E-03 1.073E-02 -7.582E-02 1.509E-01 1.276E-01
IY= 5 1.312E-03 1.117E-02 -3.213E-01 1.818E-01 1.705E-01
IY= 4 1.423E-03 1.065E-02 -9.505E-01 1.698E-01 2.222E-01
IY= 3 1.513E-03 9.121E-03 -1.863E+00 7.897E-02 2.711E-01

IY= 2 1.576E-03 7.571E-03 -2.342E+00 -6.204E-02 2.111E-01
 IY= 1 1.624E-03 6.529E-03 -1.945E+00 -3.331E-01 -5.105E-02
 IZ= 1 4 7 10 13
 IY= 14 -2.016E-03
 IY= 13 -2.702E-04
 IY= 12 1.944E-03
 IY= 11 4.638E-03
 IY= 10 8.887E-03
 IY= 9 1.658E-02
 IY= 8 3.067E-02
 IY= 7 5.415E-02
 IY= 6 8.606E-02
 IY= 5 1.173E-01
 IY= 4 1.516E-01
 IY= 3 1.846E-01
 IY= 2 1.203E-01
 IY= 1 6.741E-03
 IZ= 16

Field Values of V1

IY= 13 6.299E-03 5.251E-02 1.159E-01 -2.372E-02 -2.381E-01
 IY= 12 1.370E-02 9.880E-02 2.168E-01 -3.632E-02 -4.080E-01
 IY= 11 2.054E-02 1.432E-01 3.243E-01 -4.304E-02 -5.376E-01
 IY= 10 2.652E-02 1.858E-01 4.505E-01 -4.455E-02 -6.401E-01
 IY= 9 3.141E-02 2.255E-01 6.062E-01 -3.873E-02 -7.186E-01
 IY= 8 3.497E-02 2.605E-01 8.052E-01 -2.059E-02 -7.696E-01
 IY= 7 3.698E-02 2.885E-01 1.066E+00 1.881E-02 -7.847E-01
 IY= 6 3.725E-02 3.058E-01 1.406E+00 9.122E-02 -7.523E-01
 IY= 5 3.567E-02 3.081E-01 1.822E+00 2.027E-01 -6.647E-01
 IY= 4 3.224E-02 2.902E-01 2.216E+00 3.408E-01 -5.268E-01
 IY= 3 2.711E-02 2.476E-01 2.263E+00 4.729E-01 -3.327E-01
 IY= 2 2.064E-02 1.785E-01 1.661E+00 5.060E-01 -9.003E-02
 IY= 1 1.377E-02 8.755E-02 8.107E-01 3.808E-01 8.308E-02
 IZ= 1 4 7 10 13
 IY= 13 -1.504E+00
 IY= 12 -1.788E+00
 IY= 11 -2.014E+00
 IY= 10 -2.184E+00
 IY= 9 -2.305E+00
 IY= 8 -2.376E+00
 IY= 7 -2.393E+00
 IY= 6 -2.346E+00
 IY= 5 -2.224E+00
 IY= 4 -2.021E+00
 IY= 3 -1.728E+00
 IY= 2 -1.335E+00

IY= 1 -9.551E-01
IZ= 16

Field Values of W1

IY= 14	1.501E+01	1.525E+01	1.595E+01	1.615E+01	1.494E+01
IY= 13	1.502E+01	1.523E+01	1.583E+01	1.601E+01	1.515E+01
IY= 12	1.502E+01	1.521E+01	1.583E+01	1.602E+01	1.533E+01
IY= 11	1.501E+01	1.519E+01	1.586E+01	1.608E+01	1.548E+01
IY= 10	1.501E+01	1.516E+01	1.593E+01	1.617E+01	1.563E+01
IY= 9	1.501E+01	1.513E+01	1.601E+01	1.628E+01	1.579E+01
IY= 8	1.500E+01	1.508E+01	1.614E+01	1.641E+01	1.595E+01
IY= 7	1.500E+01	1.501E+01	1.631E+01	1.656E+01	1.612E+01
IY= 6	1.499E+01	1.493E+01	1.656E+01	1.672E+01	1.629E+01
IY= 5	1.499E+01	1.483E+01	1.688E+01	1.687E+01	1.641E+01
IY= 4	1.498E+01	1.473E+01	1.720E+01	1.692E+01	1.643E+01
IY= 3	1.498E+01	1.463E+01	1.741E+01	1.684E+01	1.630E+01
IY= 2	1.498E+01	1.455E+01	1.767E+01	1.671E+01	1.605E+01
IY= 1	1.496E+01	1.452E+01	1.679E+01	1.598E+01	1.555E+01
IZ=	1	4	7	10	13

Field Values of PT0

IY= 14	8.110E-01	8.384E-01	8.577E-01	8.703E-01	8.795E-01
IY= 13	8.009E-01	8.080E-01	8.183E-01	8.284E-01	8.412E-01
IY= 12	8.002E-01	8.018E-01	8.049E-01	8.075E-01	8.154E-01
IY= 11	8.001E-01	8.008E-01	8.021E-01	8.011E-01	8.035E-01
IY= 10	8.001E-01	8.006E-01	8.021E-01	7.999E-01	7.998E-01
IY= 9	8.001E-01	8.005E-01	8.025E-01	7.998E-01	7.990E-01
IY= 8	8.000E-01	8.004E-01	8.033E-01	7.999E-01	7.990E-01
IY= 7	8.000E-01	8.003E-01	8.043E-01	8.002E-01	7.994E-01
IY= 6	8.000E-01	8.001E-01	8.056E-01	8.009E-01	8.002E-01
IY= 5	8.000E-01	7.998E-01	8.054E-01	8.003E-01	8.005E-01
IY= 4	7.999E-01	7.994E-01	7.970E-01	7.954E-01	7.977E-01
IY= 3	7.999E-01	7.989E-01	7.786E-01	7.874E-01	7.907E-01
IY= 2	8.003E-01	8.013E-01	7.806E-01	7.941E-01	8.035E-01
IY= 1	7.876E-01	7.473E-01	6.677E-01	6.029E-01	5.449E-01
IZ=	1	4	7	10	13
IY= 14	8.843E-01				
IY= 13	8.580E-01				
IY= 12	8.325E-01				
IY= 11	8.149E-01				
IY= 10	8.054E-01				
IY= 9	8.012E-01				
IY= 8	7.998E-01				
IY= 7	7.998E-01				
IY= 6	8.004E-01				
IY= 5	8.012E-01				

IY= 4 8.005E-01
IY= 3 7.949E-01
IY= 2 8.099E-01
IY= 1 5.591E-01
IZ= 16

Field Values of PT1

IY= 14 8.823E-02 5.924E-02 3.919E-02 2.672E-02 1.820E-02
IY= 13 9.896E-02 9.089E-02 7.921E-02 6.767E-02 5.352E-02
IY= 12 9.982E-02 9.804E-02 9.455E-02 9.143E-02 8.236E-02
IY= 11 9.990E-02 9.917E-02 9.766E-02 9.867E-02 9.586E-02
IY= 10 9.992E-02 9.935E-02 9.778E-02 1.001E-01 1.002E-01
IY= 9 9.994E-02 9.943E-02 9.728E-02 1.002E-01 1.011E-01
IY= 8 9.997E-02 9.954E-02 9.649E-02 1.002E-01 1.011E-01
IY= 7 9.999E-02 9.969E-02 9.536E-02 9.977E-02 1.006E-01
IY= 6 1.000E-01 9.991E-02 9.397E-02 9.899E-02 9.970E-02
IY= 5 1.001E-01 1.002E-01 9.398E-02 9.946E-02 9.928E-02
IY= 4 1.001E-01 1.006E-01 1.030E-01 1.047E-01 1.022E-01
IY= 3 1.001E-01 1.012E-01 1.231E-01 1.132E-01 1.095E-01
IY= 2 9.968E-02 9.842E-02 1.200E-01 1.045E-01 9.355E-02
IY= 1 1.134E-01 1.569E-01 2.446E-01 3.165E-01 3.808E-01
IZ= 1 4 7 10 13

IY= 14 1.398E-02
IY= 13 3.727E-02
IY= 12 6.385E-02
IY= 11 8.316E-02
IY= 10 9.376E-02
IY= 9 9.848E-02
IY= 8 1.001E-01
IY= 7 1.002E-01
IY= 6 9.950E-02
IY= 5 9.856E-02
IY= 4 9.921E-02
IY= 3 1.050E-01
IY= 2 8.709E-02
IY= 1 3.645E-01
IZ= 16

Field Values of PT2

IY= 14 1.008E-01 1.024E-01 1.031E-01 1.030E-01 1.023E-01
IY= 13 1.001E-01 1.011E-01 1.025E-01 1.040E-01 1.053E-01
IY= 12 1.000E-01 1.002E-01 1.006E-01 1.011E-01 1.023E-01
IY= 11 1.000E-01 1.001E-01 1.002E-01 1.002E-01 1.006E-01
IY= 10 1.000E-01 1.000E-01 1.002E-01 1.000E-01 1.001E-01
IY= 9 1.000E-01 1.000E-01 1.002E-01 9.998E-02 9.993E-02
IY= 8 1.000E-01 1.000E-01 1.002E-01 9.998E-02 9.992E-02

IY= 7 1.000E-01 1.000E-01 1.003E-01 1.000E-01 9.996E-02
 IY= 6 1.000E-01 1.000E-01 1.005E-01 1.001E-01 1.001E-01
 IY= 5 1.000E-01 9.999E-02 1.006E-01 1.002E-01 1.002E-01
 IY= 4 9.999E-02 9.996E-02 1.000E-01 9.991E-02 1.001E-01
 IY= 3 9.999E-02 9.992E-02 9.836E-02 9.939E-02 9.979E-02
 IY= 2 1.000E-01 1.003E-01 9.936E-02 1.014E-01 1.030E-01
 IY= 1 9.903E-02 9.576E-02 8.768E-02 8.055E-02 7.430E-02
 IZ= 1 4 7 10 13
 IY= 14 1.017E-01
 IY= 13 1.047E-01
 IY= 12 1.037E-01
 IY= 11 1.020E-01
 IY= 10 1.008E-01
 IY= 9 1.003E-01
 IY= 8 1.001E-01
 IY= 7 1.000E-01
 IY= 6 1.001E-01
 IY= 5 1.002E-01
 IY= 4 1.003E-01
 IY= 3 1.001E-01
 IY= 2 1.030E-01
 IY= 1 7.644E-02
 IZ= 16

Field Values of PRPS

IY= 14 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 13 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 12 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 11 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 10 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 9 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 8 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 7 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 6 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 5 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 4 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 3 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 2 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 1 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IZ= 1 4 7 10 13
 IY= 14 -1.000E+00
 IY= 13 -1.000E+00
 IY= 12 -1.000E+00
 IY= 11 -1.000E+00
 IY= 10 -1.000E+00
 IY= 9 -1.000E+00

IY= 8 -1.000E+00
IY= 7 -1.000E+00
IY= 6 -1.000E+00
IY= 5 -1.000E+00
IY= 4 -1.000E+00
IY= 3 -1.000E+00
IY= 2 -1.000E+00
IY= 1 -1.000E+00
IZ= 16

Field Values of VPOR

IY= 14 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 13 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 12 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 11 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 10 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 9 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 8 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 7 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 6 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 5 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 4 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 3 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 2 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 1 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IZ= 1 4 7 10 13

IY= 14 1.000E+00
IY= 13 1.000E+00
IY= 12 1.000E+00
IY= 11 1.000E+00
IY= 10 1.000E+00
IY= 9 1.000E+00
IY= 8 1.000E+00
IY= 7 1.000E+00
IY= 6 1.000E+00
IY= 5 1.000E+00
IY= 4 1.000E+00
IY= 3 1.000E+00
IY= 2 1.000E+00
IY= 1 1.000E+00
IZ= 16

Field Values of IMB1

IY= 14 -1.040E-06 -1.608E-05 3.049E-04 -2.930E-03 -5.507E-04
IY= 13 -3.881E-07 -8.199E-06 2.471E-04 -5.366E-03 1.040E-04
IY= 12 -2.212E-07 -7.243E-06 2.179E-04 -4.332E-03 3.436E-05

IY= 11 -1.386E-07 -6.527E-06 2.013E-04 -4.004E-03 -1.258E-05
 IY= 10 -3.611E-07 -5.811E-06 1.871E-04 -3.874E-03 -5.352E-05
 IY= 9 1.162E-07 -4.619E-06 1.765E-04 -3.549E-03 -8.643E-06
 IY= 8 1.063E-07 -3.427E-06 1.944E-04 -2.599E-03 3.514E-04
 IY= 7 -1.523E-07 -1.758E-06 2.785E-04 -1.281E-03 1.240E-03
 IY= 6 5.548E-08 -3.278E-07 3.951E-04 -3.546E-03 2.177E-03
 IY= 5 1.635E-08 2.533E-06 3.122E-04 -1.711E-02 1.081E-03
 IY= 4 -5.059E-07 6.109E-06 -1.601E-04 -2.475E-02 -1.901E-03
 IY= 3 8.866E-07 9.684E-06 -5.851E-04 7.541E-03 -3.986E-03
 IY= 2 -8.524E-07 1.183E-05 -5.584E-04 5.304E-02 2.620E-03
 IY= 1 2.238E-07 8.032E-06 6.620E-05 -1.590E-02 -6.964E-04
 IZ= 1 4 7 10 13
 IY= 14 2.101E-03
 IY= 13 1.438E-03
 IY= 12 1.438E-03
 IY= 11 1.391E-03
 IY= 10 1.434E-03
 IY= 9 1.512E-03
 IY= 8 1.575E-03
 IY= 7 1.567E-03
 IY= 6 1.424E-03
 IY= 5 1.188E-03
 IY= 4 6.545E-04
 IY= 3 2.259E-04
 IY= 2 -1.287E-04
 IY= 1 2.368E-03
 IZ= 16

Field Values of VISL

IY= 14 8.582E-06 8.788E-06 8.933E-06 9.027E-06 9.096E-06
 IY= 13 8.507E-06 8.560E-06 8.637E-06 8.713E-06 8.809E-06
 IY= 12 8.501E-06 8.513E-06 8.536E-06 8.556E-06 8.615E-06
 IY= 11 8.501E-06 8.506E-06 8.516E-06 8.509E-06 8.526E-06
 IY= 10 8.501E-06 8.504E-06 8.515E-06 8.499E-06 8.498E-06
 IY= 9 8.500E-06 8.504E-06 8.519E-06 8.498E-06 8.492E-06
 IY= 8 8.500E-06 8.503E-06 8.525E-06 8.499E-06 8.493E-06
 IY= 7 8.500E-06 8.502E-06 8.532E-06 8.502E-06 8.496E-06
 IY= 6 8.500E-06 8.501E-06 8.542E-06 8.506E-06 8.502E-06
 IY= 5 8.500E-06 8.498E-06 8.541E-06 8.502E-06 8.504E-06
 IY= 4 8.499E-06 8.496E-06 8.478E-06 8.465E-06 8.483E-06
 IY= 3 8.499E-06 8.492E-06 8.339E-06 8.406E-06 8.430E-06
 IY= 2 8.502E-06 8.510E-06 8.354E-06 8.456E-06 8.526E-06
 IY= 1 8.407E-06 8.105E-06 7.508E-06 7.022E-06 6.587E-06
 IZ= 1 4 7 10 13
 IY= 14 9.132E-06
 IY= 13 8.935E-06

IY= 12 8.744E-06
IY= 11 8.612E-06
IY= 10 8.541E-06
IY= 9 8.509E-06
IY= 8 8.499E-06
IY= 7 8.498E-06
IY= 6 8.503E-06
IY= 5 8.509E-06
IY= 4 8.504E-06
IY= 3 8.462E-06
IY= 2 8.574E-06
IY= 1 6.693E-06
IZ= 16

Field Values of DEN1

IY= 14 3.791E+02 3.243E+02 2.857E+02 2.605E+02 2.422E+02
IY= 13 3.992E+02 3.850E+02 3.644E+02 3.444E+02 3.187E+02
IY= 12 4.007E+02 3.975E+02 3.913E+02 3.860E+02 3.703E+02
IY= 11 4.008E+02 3.995E+02 3.967E+02 3.987E+02 3.940E+02
IY= 10 4.009E+02 3.998E+02 3.969E+02 4.012E+02 4.015E+02
IY= 9 4.009E+02 4.000E+02 3.960E+02 4.015E+02 4.031E+02
IY= 8 4.010E+02 4.002E+02 3.945E+02 4.013E+02 4.030E+02
IY= 7 4.010E+02 4.005E+02 3.924E+02 4.006E+02 4.021E+02
IY= 6 4.011E+02 4.009E+02 3.899E+02 3.993E+02 4.006E+02
IY= 5 4.011E+02 4.014E+02 3.902E+02 4.004E+02 4.000E+02
IY= 4 4.012E+02 4.021E+02 4.070E+02 4.103E+02 4.057E+02
IY= 3 4.012E+02 4.032E+02 4.438E+02 4.261E+02 4.196E+02
IY= 2 4.005E+02 3.984E+02 4.398E+02 4.128E+02 3.940E+02
IY= 1 4.258E+02 5.063E+02 6.654E+02 7.949E+02 9.109E+02
IZ= 1 4 7 10 13
IY= 14 2.326E+02
IY= 13 2.850E+02
IY= 12 3.361E+02
IY= 11 3.713E+02
IY= 10 3.902E+02
IY= 9 3.985E+02
IY= 8 4.013E+02
IY= 7 4.015E+02
IY= 6 4.002E+02
IY= 5 3.986E+02
IY= 4 4.000E+02
IY= 3 4.112E+02
IY= 2 3.812E+02
IY= 1 8.826E+02
IZ= 16
YZPR IX= 5

Field Values of P1

IY= 14 -6.769E+03 -7.455E+03 -1.008E+04 -1.241E+04 -9.774E+03
IY= 13 -4.789E+03 -5.524E+03 -8.285E+03 -1.084E+04 -8.362E+03
IY= 12 -2.792E+03 -3.488E+03 -6.343E+03 -9.196E+03 -6.881E+03
IY= 11 -7.777E+02 -1.402E+03 -4.356E+03 -7.606E+03 -5.426E+03
IY= 10 1.250E+03 7.243E+02 -2.332E+03 -6.122E+03 -4.029E+03
IY= 9 3.290E+03 2.892E+03 -2.454E+02 -4.759E+03 -2.680E+03
IY= 8 5.338E+03 5.100E+03 1.954E+03 -3.528E+03 -1.353E+03
IY= 7 7.391E+03 7.347E+03 4.351E+03 -2.440E+03 -1.179E+01
IY= 6 9.445E+03 9.626E+03 7.050E+03 -1.501E+03 1.399E+03
IY= 5 1.149E+04 1.193E+04 9.966E+03 -8.067E+02 2.922E+03
IY= 4 1.354E+04 1.423E+04 1.206E+04 -7.005E+02 4.378E+03
IY= 3 1.557E+04 1.651E+04 3.335E+04 -3.234E+02 6.008E+03
IY= 2 1.758E+04 1.868E+04 4.301E+04 1.732E+03 7.760E+03
IY= 1 1.972E+04 2.127E+04 5.020E+04 5.909E+03 1.047E+04
IZ= 1 4 7 10 13
IY= 14 2.030E+02
IY= 13 3.652E+02
IY= 12 4.574E+02
IY= 11 5.274E+02
IY= 10 5.736E+02
IY= 9 6.042E+02
IY= 8 6.272E+02
IY= 7 6.485E+02
IY= 6 6.736E+02
IY= 5 6.998E+02
IY= 4 6.553E+02
IY= 3 5.249E+02
IY= 2 4.434E+02
IY= 1 7.079E+02
IZ= 16

Field Values of U1

IY= 14 1.673E-03 1.307E-02 3.045E-02 1.285E-02 -1.195E-02
IY= 13 1.782E-03 1.289E-02 2.993E-02 1.326E-02 -6.251E-03
IY= 12 1.936E-03 1.472E-02 3.653E-02 1.520E-02 -4.697E-03
IY= 11 2.171E-03 1.778E-02 4.852E-02 1.677E-02 -7.023E-03
IY= 10 2.484E-03 2.210E-02 6.728E-02 1.774E-02 -1.275E-02
IY= 9 2.868E-03 2.782E-02 9.599E-02 1.725E-02 -2.249E-02
IY= 8 3.315E-03 3.510E-02 1.407E-01 1.419E-02 -3.755E-02
IY= 7 3.808E-03 4.408E-02 2.161E-01 1.130E-02 -5.553E-02
IY= 6 4.326E-03 5.480E-02 3.631E-01 2.177E-02 -6.512E-02
IY= 5 4.840E-03 6.713E-02 6.951E-01 5.916E-02 -7.316E-02
IY= 4 5.313E-03 8.058E-02 1.494E+00 1.526E-01 -1.827E-01
IY= 3 5.709E-03 9.399E-02 2.348E+00 -3.545E-01 -7.245E-01

IY= 2 5.987E-03 1.049E-01 2.880E+00 -2.222E-01 -1.038E+00
 IY= 1 6.197E-03 9.600E-02 2.542E+00 4.477E-01 -8.839E-01
 IZ= 1 4 7 10 13
 IY= 14 -1.431E-02
 IY= 13 -9.608E-03
 IY= 12 -7.174E-03
 IY= 11 -7.870E-03
 IY= 10 -1.150E-02
 IY= 9 -1.833E-02
 IY= 8 -2.903E-02
 IY= 7 -4.221E-02
 IY= 6 -4.982E-02
 IY= 5 -5.016E-02
 IY= 4 -1.104E-01
 IY= 3 -3.765E-01
 IY= 2 -6.250E-01
 IY= 1 -7.764E-01
 IZ= 16

Field Values of V1

IY= 13 6.098E-03 4.998E-02 1.066E-01 -3.092E-02 -2.402E-01
 IY= 12 1.327E-02 9.386E-02 1.988E-01 -5.103E-02 -4.143E-01
 IY= 11 1.991E-02 1.358E-01 2.969E-01 -6.943E-02 -5.524E-01
 IY= 10 2.569E-02 1.758E-01 4.124E-01 -9.045E-02 -6.704E-01
 IY= 9 3.039E-02 2.130E-01 5.580E-01 -1.188E-01 -7.772E-01
 IY= 8 3.381E-02 2.457E-01 7.532E-01 -1.618E-01 -8.806E-01
 IY= 7 3.571E-02 2.719E-01 1.034E+00 -2.303E-01 -9.903E-01
 IY= 6 3.595E-02 2.887E-01 1.475E+00 -3.362E-01 -1.116E+00
 IY= 5 3.441E-02 2.923E-01 2.237E+00 -4.829E-01 -1.259E+00
 IY= 4 3.110E-02 2.780E-01 3.654E+00 -6.745E-01 -1.422E+00
 IY= 3 2.618E-02 2.408E-01 6.376E+00 -9.545E-01 -1.673E+00
 IY= 2 1.999E-02 1.751E-01 3.733E+00 -1.019E-01 -1.584E+00
 IY= 1 1.345E-02 8.573E-02 2.159E+00 -6.959E-01 -1.170E+00
 IZ= 1 4 7 10 13
 IY= 13 -1.505E+00
 IY= 12 -1.791E+00
 IY= 11 -2.023E+00
 IY= 10 -2.204E+00
 IY= 9 -2.343E+00
 IY= 8 -2.449E+00
 IY= 7 -2.530E+00
 IY= 6 -2.591E+00
 IY= 5 -2.635E+00
 IY= 4 -2.669E+00
 IY= 3 -2.785E+00
 IY= 2 -2.753E+00

IY= 1 -2.450E+00
IZ= 16

Field Values of W1

IY= 14	1.502E+01	1.525E+01	1.594E+01	1.613E+01	1.494E+01
IY= 13	1.502E+01	1.523E+01	1.582E+01	1.600E+01	1.514E+01
IY= 12	1.502E+01	1.522E+01	1.582E+01	1.601E+01	1.532E+01
IY= 11	1.501E+01	1.520E+01	1.586E+01	1.607E+01	1.548E+01
IY= 10	1.501E+01	1.517E+01	1.593E+01	1.615E+01	1.563E+01
IY= 9	1.501E+01	1.514E+01	1.602E+01	1.625E+01	1.578E+01
IY= 8	1.500E+01	1.509E+01	1.617E+01	1.638E+01	1.594E+01
IY= 7	1.500E+01	1.503E+01	1.642E+01	1.654E+01	1.612E+01
IY= 6	1.500E+01	1.496E+01	1.685E+01	1.677E+01	1.633E+01
IY= 5	1.499E+01	1.486E+01	1.762E+01	1.703E+01	1.653E+01
IY= 4	1.499E+01	1.475E+01	1.860E+01	1.654E+01	1.599E+01
IY= 3	1.498E+01	1.462E+01		4.469E+00	1.010E+01
IY= 2	1.498E+01	1.452E+01		-2.136E+00	6.433E+00
IY= 1	1.497E+01	1.449E+01		-9.922E-01	3.443E+00
IZ=	1	4	7	10	13

Field Values of PT0

IY= 14	8.110E-01	8.383E-01	8.577E-01	8.703E-01	8.795E-01
IY= 13	8.009E-01	8.080E-01	8.183E-01	8.285E-01	8.414E-01
IY= 12	8.002E-01	8.017E-01	8.048E-01	8.076E-01	8.157E-01
IY= 11	8.001E-01	8.007E-01	8.020E-01	8.010E-01	8.036E-01
IY= 10	8.001E-01	8.006E-01	8.019E-01	7.996E-01	7.996E-01
IY= 9	8.001E-01	8.005E-01	8.024E-01	7.990E-01	7.984E-01
IY= 8	8.000E-01	8.004E-01	8.032E-01	7.982E-01	7.978E-01
IY= 7	8.000E-01	8.003E-01	8.041E-01	7.960E-01	7.964E-01
IY= 6	8.000E-01	8.001E-01	8.045E-01	7.912E-01	7.929E-01
IY= 5	8.000E-01	7.998E-01	8.067E-01	7.942E-01	7.913E-01
IY= 4	7.999E-01	7.995E-01	8.222E-01	8.448E-01	8.204E-01
IY= 3	7.999E-01	7.990E-01	6.846E-01	8.558E-01	8.284E-01
IY= 2	8.003E-01	8.013E-01	7.283E-01	7.586E-01	8.313E-01
IY= 1	7.876E-01	7.474E-01	6.191E-01	5.187E-01	7.398E-01
IZ=	1	4	7	10	13
IY= 14	8.843E-01				
IY= 13	8.582E-01				
IY= 12	8.328E-01				
IY= 11	8.151E-01				
IY= 10	8.055E-01				
IY= 9	8.011E-01				
IY= 8	7.992E-01				
IY= 7	7.981E-01				
IY= 6	7.963E-01				
IY= 5	7.940E-01				

IY= 4 8.058E-01
IY= 3 8.154E-01
IY= 2 8.231E-01
IY= 1 7.599E-01
IZ= 16

Field Values of PT1

IY= 14 8.823E-02 5.927E-02 3.924E-02 2.674E-02 1.820E-02
IY= 13 9.896E-02 9.091E-02 7.922E-02 6.751E-02 5.331E-02
IY= 12 9.982E-02 9.807E-02 9.460E-02 9.129E-02 8.204E-02
IY= 11 9.990E-02 9.921E-02 9.778E-02 9.878E-02 9.573E-02
IY= 10 9.992E-02 9.939E-02 9.793E-02 1.005E-01 1.003E-01
IY= 9 9.994E-02 9.947E-02 9.741E-02 1.011E-01 1.017E-01
IY= 8 9.997E-02 9.956E-02 9.655E-02 1.020E-01 1.024E-01
IY= 7 9.999E-02 9.970E-02 9.554E-02 1.043E-01 1.038E-01
IY= 6 1.000E-01 9.990E-02 9.507E-02 1.093E-01 1.075E-01
IY= 5 1.000E-01 1.002E-01 9.232E-02 1.050E-01 1.086E-01
IY= 4 1.001E-01 1.005E-01 7.480E-02 5.166E-02 7.780E-02
IY= 3 1.001E-01 1.011E-01 2.265E-01 3.914E-02 6.918E-02
IY= 2 9.968E-02 9.840E-02 1.775E-01 1.411E-01 6.577E-02
IY= 1 1.134E-01 1.568E-01 2.989E-01 4.095E-01 1.636E-01
IZ= 1 4 7 10 13

IY= 14 1.398E-02
IY= 13 3.712E-02
IY= 12 6.356E-02
IY= 11 8.286E-02
IY= 10 9.363E-02
IY= 9 9.866E-02
IY= 8 1.008E-01
IY= 7 1.020E-01
IY= 6 1.039E-01
IY= 5 1.060E-01
IY= 4 9.341E-02
IY= 3 8.319E-02
IY= 2 7.486E-02
IY= 1 1.427E-01
IZ= 16

Field Values of PT2

IY= 14 1.008E-01 1.024E-01 1.031E-01 1.030E-01 1.023E-01
IY= 13 1.001E-01 1.011E-01 1.025E-01 1.040E-01 1.053E-01
IY= 12 1.000E-01 1.002E-01 1.006E-01 1.011E-01 1.023E-01
IY= 11 1.000E-01 1.001E-01 1.002E-01 1.002E-01 1.006E-01
IY= 10 1.000E-01 1.000E-01 1.001E-01 9.998E-02 1.001E-01
IY= 9 1.000E-01 1.000E-01 1.002E-01 9.992E-02 9.990E-02
IY= 8 1.000E-01 1.000E-01 1.002E-01 9.986E-02 9.984E-02

IY= 7 1.000E-01 1.000E-01 1.003E-01 9.972E-02 9.976E-02
 IY= 6 1.000E-01 1.000E-01 1.004E-01 9.950E-02 9.962E-02
 IY= 5 1.000E-01 9.999E-02 1.009E-01 1.008E-01 1.002E-01
 IY= 4 9.999E-02 9.997E-02 1.030E-01 1.036E-01 1.018E-01
 IY= 3 9.999E-02 9.992E-02 8.882E-02 1.050E-01 1.024E-01
 IY= 2 1.000E-01 1.003E-01 9.422E-02 1.004E-01 1.029E-01
 IY= 1 9.903E-02 9.577E-02 8.194E-02 7.181E-02 9.654E-02
 IZ= 1 4 7 10 13
 IY= 14 1.017E-01
 IY= 13 1.047E-01
 IY= 12 1.037E-01
 IY= 11 1.020E-01
 IY= 10 1.009E-01
 IY= 9 1.003E-01
 IY= 8 1.000E-01
 IY= 7 9.991E-02
 IY= 6 9.983E-02
 IY= 5 1.000E-01
 IY= 4 1.008E-01
 IY= 3 1.014E-01
 IY= 2 1.020E-01
 IY= 1 9.747E-02
 IZ= 16

Field Values of PRPS

IY= 14 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 13 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 12 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 11 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 10 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 9 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 8 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 7 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 6 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 5 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 4 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 3 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 2 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 1 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IZ= 1 4 7 10 13
 IY= 14 -1.000E+00
 IY= 13 -1.000E+00
 IY= 12 -1.000E+00
 IY= 11 -1.000E+00
 IY= 10 -1.000E+00
 IY= 9 -1.000E+00

IY= 8 -1.000E+00
IY= 7 -1.000E+00
IY= 6 -1.000E+00
IY= 5 -1.000E+00
IY= 4 -1.000E+00
IY= 3 -1.000E+00
IY= 2 -1.000E+00
IY= 1 -1.000E+00
IZ= 16

Field Values of VPOR

IY= 14 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 13 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 12 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 11 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 10 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 9 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 8 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 7 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 6 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 5 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 4 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 3 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 2 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 1 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IZ= 1 4 7 10 13

IY= 14 1.000E+00
IY= 13 1.000E+00
IY= 12 1.000E+00
IY= 11 1.000E+00
IY= 10 1.000E+00
IY= 9 1.000E+00
IY= 8 1.000E+00
IY= 7 1.000E+00
IY= 6 1.000E+00
IY= 5 1.000E+00
IY= 4 1.000E+00
IY= 3 1.000E+00
IY= 2 1.000E+00
IY= 1 1.000E+00
IZ= 16

Field Values of IMB1

IY= 14 -3.119E-07 -1.465E-05 -1.407E-04 -1.022E-02 2.874E-03
IY= 13 -8.531E-07 -1.225E-05 -3.089E-05 -9.272E-03 7.744E-04
IY= 12 -6.854E-07 -1.058E-05 -2.166E-05 -7.688E-03 7.436E-04

IY= 11 -3.630E-07 -9.149E-06 -3.022E-05 -7.131E-03 7.292E-04
 IY= 10 -1.066E-07 -7.480E-06 -3.269E-05 -7.002E-03 7.452E-04
 IY= 9 -5.800E-07 -3.665E-06 -3.038E-05 -7.030E-03 7.986E-04
 IY= 8 -1.094E-07 -1.996E-06 -3.016E-05 -7.058E-03 8.731E-04
 IY= 7 1.132E-07 3.880E-07 -3.698E-05 -6.231E-03 9.685E-04
 IY= 6 -1.510E-07 4.679E-06 -4.009E-06 -1.918E-03 1.219E-03
 IY= 5 -1.850E-07 7.063E-06 1.783E-04 6.749E-03 2.044E-03
 IY= 4 2.514E-07 1.040E-05 2.602E-04 3.320E-02 3.381E-03
 IY= 3 2.178E-07 1.445E-05 -2.337E-05 -4.333E-01 1.345E-03
 IY= 2 1.105E-06 1.684E-05 3.624E-05 -4.882E-01 5.359E-02
 IY= 1 5.105E-07 1.423E-05 -1.049E-04 1.183E+00 -7.989E-02
 IZ= 1 4 7 10 13
 IY= 14 1.057E-03
 IY= 13 1.526E-03
 IY= 12 1.199E-03
 IY= 11 1.168E-03
 IY= 10 1.225E-03
 IY= 9 1.357E-03
 IY= 8 1.551E-03
 IY= 7 1.825E-03
 IY= 6 2.201E-03
 IY= 5 2.787E-03
 IY= 4 3.466E-03
 IY= 3 -1.867E-02
 IY= 2 -3.200E-02
 IY= 1 -2.113E-02
 IZ= 16

Field Values of VISL

IY= 14 8.582E-06 8.788E-06 8.933E-06 9.027E-06 9.096E-06
 IY= 13 8.507E-06 8.560E-06 8.637E-06 8.714E-06 8.810E-06
 IY= 12 8.501E-06 8.513E-06 8.536E-06 8.557E-06 8.617E-06
 IY= 11 8.501E-06 8.505E-06 8.515E-06 8.508E-06 8.527E-06
 IY= 10 8.501E-06 8.504E-06 8.514E-06 8.497E-06 8.497E-06
 IY= 9 8.500E-06 8.504E-06 8.518E-06 8.493E-06 8.488E-06
 IY= 8 8.500E-06 8.503E-06 8.524E-06 8.486E-06 8.483E-06
 IY= 7 8.500E-06 8.502E-06 8.531E-06 8.470E-06 8.473E-06
 IY= 6 8.500E-06 8.501E-06 8.534E-06 8.434E-06 8.447E-06
 IY= 5 8.500E-06 8.499E-06 8.551E-06 8.457E-06 8.434E-06
 IY= 4 8.499E-06 8.496E-06 8.667E-06 8.836E-06 8.653E-06
 IY= 3 8.499E-06 8.492E-06 7.635E-06 8.919E-06 8.713E-06
 IY= 2 8.502E-06 8.510E-06 7.962E-06 8.189E-06 8.735E-06
 IY= 1 8.407E-06 8.106E-06 7.144E-06 6.390E-06 8.049E-06
 IZ= 1 4 7 10 13
 IY= 14 9.132E-06
 IY= 13 8.936E-06

IY= 12 8.746E-06
 IY= 11 8.613E-06
 IY= 10 8.541E-06
 IY= 9 8.508E-06
 IY= 8 8.494E-06
 IY= 7 8.486E-06
 IY= 6 8.472E-06
 IY= 5 8.455E-06
 IY= 4 8.544E-06
 IY= 3 8.616E-06
 IY= 2 8.673E-06
 IY= 1 8.199E-06
 IZ= 16

Field Values of DEN1

IY= 14 3.791E+02 3.244E+02 2.857E+02 2.605E+02 2.421E+02
 IY= 13 3.992E+02 3.850E+02 3.645E+02 3.441E+02 3.183E+02
 IY= 12 4.007E+02 3.976E+02 3.914E+02 3.858E+02 3.697E+02
 IY= 11 4.008E+02 3.996E+02 3.970E+02 3.989E+02 3.938E+02
 IY= 10 4.009E+02 3.999E+02 3.972E+02 4.019E+02 4.018E+02
 IY= 9 4.009E+02 4.000E+02 3.962E+02 4.030E+02 4.042E+02
 IY= 8 4.010E+02 4.002E+02 3.946E+02 4.047E+02 4.055E+02
 IY= 7 4.010E+02 4.005E+02 3.928E+02 4.090E+02 4.081E+02
 IY= 6 4.011E+02 4.008E+02 3.920E+02 4.186E+02 4.152E+02
 IY= 5 4.011E+02 4.013E+02 3.876E+02 4.126E+02 4.185E+02
 IY= 4 4.012E+02 4.020E+02 3.566E+02 3.116E+02 3.602E+02
 IY= 3 4.012E+02 4.031E+02 6.316E+02 2.895E+02 3.443E+02
 IY= 2 4.005E+02 3.984E+02 5.443E+02 4.839E+02 3.384E+02
 IY= 1 4.258E+02 5.061E+02 7.625E+02 9.633E+02 5.213E+02
 IZ= 1 4 7 10 13
 IY= 14 2.325E+02
 IY= 13 2.847E+02
 IY= 12 3.355E+02
 IY= 11 3.708E+02
 IY= 10 3.900E+02
 IY= 9 3.989E+02
 IY= 8 4.026E+02
 IY= 7 4.048E+02
 IY= 6 4.084E+02
 IY= 5 4.129E+02
 IY= 4 3.894E+02
 IY= 3 3.702E+02
 IY= 2 3.549E+02
 IY= 1 4.812E+02
 IZ= 16
 YZPR IX= 9

Field Values of P1

IY= 14 -6.783E+03 -7.494E+03 -1.010E+04 -1.235E+04 -9.753E+03
IY= 13 -4.803E+03 -5.566E+03 -8.309E+03 -1.076E+04 -8.341E+03
IY= 12 -2.807E+03 -3.539E+03 -6.378E+03 -9.094E+03 -6.857E+03
IY= 11 -7.953E+02 -1.467E+03 -4.408E+03 -7.465E+03 -5.395E+03
IY= 10 1.230E+03 6.394E+02 -2.416E+03 -5.918E+03 -3.988E+03
IY= 9 3.267E+03 2.779E+03 -3.882E+02 -4.462E+03 -2.629E+03
IY= 8 5.311E+03 4.949E+03 1.700E+03 -3.093E+03 -1.294E+03
IY= 7 7.360E+03 7.146E+03 3.889E+03 -1.804E+03 4.192E+01
IY= 6 9.409E+03 9.361E+03 6.236E+03 -5.793E+02 1.407E+03
IY= 5 1.145E+04 1.158E+04 8.804E+03 6.166E+02 2.826E+03
IY= 4 1.349E+04 1.379E+04 1.159E+04 1.855E+03 4.336E+03
IY= 3 1.552E+04 1.597E+04 1.436E+04 3.236E+03 5.985E+03
IY= 2 1.753E+04 1.807E+04 1.675E+04 4.757E+03 7.593E+03
IY= 1 1.967E+04 2.062E+04 1.998E+04 7.924E+03 1.121E+04
IZ= 1 4 7 10 13
IY= 14 2.028E+02
IY= 13 3.649E+02
IY= 12 4.569E+02
IY= 11 5.268E+02
IY= 10 5.725E+02
IY= 9 6.022E+02
IY= 8 6.234E+02
IY= 7 6.406E+02
IY= 6 6.559E+02
IY= 5 6.704E+02
IY= 4 6.863E+02
IY= 3 7.137E+02
IY= 2 6.743E+02
IY= 1 1.403E+03
IZ= 16

Field Values of U1

IY= 14 5.088E-04 4.232E-03 9.844E-03 -3.390E-04 -5.832E-03
IY= 13 5.434E-04 4.206E-03 9.915E-03 6.226E-04 -4.256E-03
IY= 12 5.917E-04 4.872E-03 1.259E-02 5.974E-04 -4.994E-03
IY= 11 6.657E-04 6.003E-03 1.765E-02 -8.135E-04 -8.034E-03
IY= 10 7.645E-04 7.642E-03 2.626E-02 -3.840E-03 -1.364E-02
IY= 9 8.873E-04 9.885E-03 4.088E-02 -9.221E-03 -2.268E-02
IY= 8 1.031E-03 1.285E-02 6.613E-02 -1.813E-02 -3.666E-02
IY= 7 1.191E-03 1.666E-02 1.105E-01 -3.158E-02 -5.746E-02
IY= 6 1.361E-03 2.136E-02 1.887E-01 -4.859E-02 -8.629E-02
IY= 5 1.532E-03 2.687E-02 3.232E-01 -6.090E-02 -1.191E-01
IY= 4 1.690E-03 3.285E-02 5.294E-01 -4.902E-02 -1.331E-01
IY= 3 1.824E-03 3.855E-02 7.516E-01 -4.358E-02 -1.453E-01

IY= 2 1.919E-03 4.312E-02 8.873E-01 -9.901E-02 -2.341E-01
 IY= 1 1.991E-03 3.939E-02 7.007E-01 1.468E-02 -6.032E-02
 IZ= 1 4 7 10 13
 IY= 14 -6.525E-03
 IY= 13 -5.113E-03
 IY= 12 -5.162E-03
 IY= 11 -6.975E-03
 IY= 10 -1.076E-02
 IY= 9 -1.711E-02
 IY= 8 -2.706E-02
 IY= 7 -4.212E-02
 IY= 6 -6.380E-02
 IY= 5 -9.104E-02
 IY= 4 -1.080E-01
 IY= 3 -1.117E-01
 IY= 2 -1.584E-01
 IY= 1 -3.326E-02
 IZ= 16

Field Values of V1

IY= 13 5.843E-03 4.620E-02 9.166E-02 -2.904E-02 -2.311E-01
 IY= 12 1.273E-02 8.636E-02 1.688E-01 -4.941E-02 -3.978E-01
 IY= 11 1.909E-02 1.242E-01 2.467E-01 -6.541E-02 -5.262E-01
 IY= 10 2.460E-02 1.595E-01 3.318E-01 -7.891E-02 -6.281E-01
 IY= 9 2.906E-02 1.911E-01 4.281E-01 -8.991E-02 -7.069E-01
 IY= 8 3.225E-02 2.174E-01 5.388E-01 -9.735E-02 -7.614E-01
 IY= 7 3.399E-02 2.364E-01 6.664E-01 -9.890E-02 -7.880E-01
 IY= 6 3.413E-02 2.454E-01 8.098E-01 -9.099E-02 -7.807E-01
 IY= 5 3.260E-02 2.417E-01 9.552E-01 -7.099E-02 -7.334E-01
 IY= 4 2.943E-02 2.226E-01 1.052E+00 -4.736E-02 -6.463E-01
 IY= 3 2.479E-02 1.864E-01 9.889E-01 -4.564E-02 -5.359E-01
 IY= 2 1.901E-02 1.336E-01 7.200E-01 -1.063E-02 -3.669E-01
 IY= 1 1.298E-02 6.796E-02 3.631E-01 5.340E-02 -1.004E-01
 IZ= 1 4 7 10 13
 IY= 13 -1.497E+00
 IY= 12 -1.778E+00
 IY= 11 -2.002E+00
 IY= 10 -2.171E+00
 IY= 9 -2.292E+00
 IY= 8 -2.365E+00
 IY= 7 -2.390E+00
 IY= 6 -2.361E+00
 IY= 5 -2.270E+00
 IY= 4 -2.109E+00
 IY= 3 -1.878E+00
 IY= 2 -1.550E+00

IY= 1 -1.088E+00
IZ= 16

Field Values of W1

IY= 14	1.502E+01	1.526E+01	1.593E+01	1.612E+01	1.493E+01
IY= 13	1.502E+01	1.524E+01	1.582E+01	1.599E+01	1.514E+01
IY= 12	1.502E+01	1.523E+01	1.581E+01	1.600E+01	1.532E+01
IY= 11	1.502E+01	1.521E+01	1.584E+01	1.605E+01	1.547E+01
IY= 10	1.501E+01	1.519E+01	1.589E+01	1.612E+01	1.562E+01
IY= 9	1.501E+01	1.517E+01	1.596E+01	1.621E+01	1.577E+01
IY= 8	1.501E+01	1.513E+01	1.604E+01	1.632E+01	1.592E+01
IY= 7	1.500E+01	1.509E+01	1.615E+01	1.643E+01	1.607E+01
IY= 6	1.500E+01	1.504E+01	1.629E+01	1.654E+01	1.622E+01
IY= 5	1.500E+01	1.499E+01	1.646E+01	1.665E+01	1.635E+01
IY= 4	1.499E+01	1.493E+01	1.665E+01	1.674E+01	1.644E+01
IY= 3	1.499E+01	1.488E+01	1.683E+01	1.679E+01	1.650E+01
IY= 2	1.499E+01	1.484E+01	1.703E+01	1.685E+01	1.652E+01
IY= 1	1.497E+01	1.477E+01	1.631E+01	1.614E+01	1.594E+01
IZ=	1	4	7	10	13

Field Values of PT0

IY= 14	8.110E-01	8.383E-01	8.576E-01	8.704E-01	8.796E-01
IY= 13	8.009E-01	8.080E-01	8.183E-01	8.288E-01	8.416E-01
IY= 12	8.002E-01	8.017E-01	8.047E-01	8.080E-01	8.160E-01
IY= 11	8.001E-01	8.007E-01	8.017E-01	8.014E-01	8.040E-01
IY= 10	8.001E-01	8.005E-01	8.014E-01	8.000E-01	8.001E-01
IY= 9	8.000E-01	8.004E-01	8.015E-01	7.998E-01	7.993E-01
IY= 8	8.000E-01	8.003E-01	8.018E-01	7.998E-01	7.994E-01
IY= 7	8.000E-01	8.002E-01	8.020E-01	8.000E-01	7.998E-01
IY= 6	8.000E-01	8.000E-01	8.021E-01	8.002E-01	8.004E-01
IY= 5	8.000E-01	7.998E-01	8.013E-01	8.002E-01	8.011E-01
IY= 4	7.999E-01	7.995E-01	7.976E-01	7.981E-01	8.003E-01
IY= 3	7.999E-01	7.991E-01	7.916E-01	7.942E-01	7.965E-01
IY= 2	8.003E-01	8.017E-01	7.974E-01	8.080E-01	8.140E-01
IY= 1	7.876E-01	7.480E-01	6.906E-01	6.491E-01	6.174E-01
IZ=	1	4	7	10	13
IY= 14	8.844E-01				
IY= 13	8.582E-01				
IY= 12	8.329E-01				
IY= 11	8.153E-01				
IY= 10	8.058E-01				
IY= 9	8.016E-01				
IY= 8	8.002E-01				
IY= 7	8.001E-01				
IY= 6	8.007E-01				
IY= 5	8.016E-01				

IY= 4 8.022E-01
IY= 3 7.995E-01
IY= 2 8.163E-01
IY= 1 6.356E-01
IZ= 16

Field Values of PT1

IY= 14 8.823E-02 5.930E-02 3.932E-02 2.672E-02 1.816E-02
IY= 13 9.897E-02 9.095E-02 7.924E-02 6.720E-02 5.308E-02
IY= 12 9.983E-02 9.812E-02 9.473E-02 9.090E-02 8.168E-02
IY= 11 9.991E-02 9.928E-02 9.811E-02 9.843E-02 9.531E-02
IY= 10 9.993E-02 9.948E-02 9.850E-02 1.000E-01 9.975E-02
IY= 9 9.995E-02 9.957E-02 9.835E-02 1.002E-01 1.007E-01
IY= 8 9.997E-02 9.967E-02 9.809E-02 1.002E-01 1.006E-01
IY= 7 9.999E-02 9.982E-02 9.782E-02 1.000E-01 1.002E-01
IY= 6 1.000E-01 1.000E-01 9.772E-02 9.973E-02 9.952E-02
IY= 5 1.000E-01 1.002E-01 9.853E-02 9.967E-02 9.881E-02
IY= 4 1.001E-01 1.005E-01 1.025E-01 1.020E-01 9.954E-02
IY= 3 1.001E-01 1.009E-01 1.090E-01 1.062E-01 1.037E-01
IY= 2 9.967E-02 9.803E-02 1.021E-01 9.010E-02 8.372E-02
IY= 1 1.134E-01 1.562E-01 2.190E-01 2.644E-01 2.986E-01
IZ= 1 4 7 10 13

IY= 14 1.395E-02
IY= 13 3.705E-02
IY= 12 6.344E-02
IY= 11 8.269E-02
IY= 10 9.333E-02
IY= 9 9.810E-02
IY= 8 9.971E-02
IY= 7 9.982E-02
IY= 6 9.920E-02
IY= 5 9.820E-02
IY= 4 9.760E-02
IY= 3 1.005E-01
IY= 2 8.177E-02
IY= 1 2.782E-01
IZ= 16

Field Values of PT2

IY= 14 1.008E-01 1.024E-01 1.031E-01 1.029E-01 1.023E-01
IY= 13 1.001E-01 1.011E-01 1.025E-01 1.040E-01 1.053E-01
IY= 12 1.000E-01 1.002E-01 1.006E-01 1.011E-01 1.023E-01
IY= 11 1.000E-01 1.001E-01 1.002E-01 1.002E-01 1.007E-01
IY= 10 1.000E-01 1.000E-01 1.001E-01 1.000E-01 1.001E-01
IY= 9 1.000E-01 1.000E-01 1.001E-01 9.999E-02 9.997E-02
IY= 8 1.000E-01 1.000E-01 1.001E-01 9.999E-02 9.996E-02

IY= 7 1.000E-01 1.000E-01 1.002E-01 1.000E-01 9.999E-02
 IY= 6 1.000E-01 1.000E-01 1.002E-01 1.000E-01 1.001E-01
 IY= 5 1.000E-01 9.998E-02 1.002E-01 1.001E-01 1.001E-01
 IY= 4 1.000E-01 9.997E-02 9.988E-02 9.994E-02 1.001E-01
 IY= 3 9.999E-02 9.993E-02 9.938E-02 9.962E-02 9.985E-02
 IY= 2 1.000E-01 1.003E-01 1.006E-01 1.018E-01 1.022E-01
 IY= 1 9.903E-02 9.583E-02 9.040E-02 8.648E-02 8.398E-02
 IZ= 1 4 7 10 13
 IY= 14 1.017E-01
 IY= 13 1.047E-01
 IY= 12 1.037E-01
 IY= 11 1.020E-01
 IY= 10 1.009E-01
 IY= 9 1.003E-01
 IY= 8 1.001E-01
 IY= 7 1.000E-01
 IY= 6 1.001E-01
 IY= 5 1.002E-01
 IY= 4 1.002E-01
 IY= 3 1.001E-01
 IY= 2 1.019E-01
 IY= 1 8.614E-02
 IZ= 16

Field Values of PRPS

IY= 14 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 13 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 12 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 11 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 10 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 9 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 8 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 7 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 6 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 5 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 4 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 3 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 2 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IY= 1 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00 -1.000E+00
 IZ= 1 4 7 10 13
 IY= 14 -1.000E+00
 IY= 13 -1.000E+00
 IY= 12 -1.000E+00
 IY= 11 -1.000E+00
 IY= 10 -1.000E+00
 IY= 9 -1.000E+00

IY= 8 -1.000E+00
IY= 7 -1.000E+00
IY= 6 -1.000E+00
IY= 5 -1.000E+00
IY= 4 -1.000E+00
IY= 3 -1.000E+00
IY= 2 -1.000E+00
IY= 1 -1.000E+00
IZ= 16

Field Values of VPOR

IY= 14 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 13 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 12 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 11 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 10 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 9 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 8 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 7 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 6 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 5 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 4 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 3 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 2 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IY= 1 1.000E+00 1.000E+00 1.000E+00 1.000E+00 1.000E+00
IZ= 1 4 7 10 13

IY= 14 1.000E+00
IY= 13 1.000E+00
IY= 12 1.000E+00
IY= 11 1.000E+00
IY= 10 1.000E+00
IY= 9 1.000E+00
IY= 8 1.000E+00
IY= 7 1.000E+00
IY= 6 1.000E+00
IY= 5 1.000E+00
IY= 4 1.000E+00
IY= 3 1.000E+00
IY= 2 1.000E+00
IY= 1 1.000E+00
IZ= 16

Field Values of IMB1

IY= 14 -6.891E-08 -1.728E-05 1.361E-04 -3.278E-03 7.943E-04
IY= 13 -1.349E-07 -1.702E-05 8.900E-05 -4.245E-04 2.755E-04
IY= 12 -6.821E-07 -1.392E-05 5.674E-05 -8.238E-04 3.643E-04

IY= 11 1.176E-07 -1.177E-05 4.912E-05 -1.028E-03 3.173E-04
 IY= 10 -3.399E-07 -9.626E-06 4.638E-05 -1.062E-03 3.250E-04
 IY= 9 -9.595E-08 -5.811E-06 4.745E-05 -1.024E-03 3.493E-04
 IY= 8 1.395E-07 -2.950E-06 6.404E-05 -8.662E-04 3.361E-04
 IY= 7 -3.488E-07 1.495E-07 1.157E-04 -5.894E-04 2.767E-04
 IY= 6 5.849E-07 3.010E-06 2.046E-04 -8.928E-04 2.099E-04
 IY= 5 5.578E-07 8.494E-06 2.736E-04 -1.197E-03 2.340E-04
 IY= 4 -1.902E-07 1.255E-05 1.883E-04 -4.845E-03 1.298E-04
 IY= 3 9.760E-07 1.660E-05 -5.733E-05 -2.466E-02 -2.393E-03
 IY= 2 2.018E-07 2.113E-05 -3.674E-04 4.747E-02 -7.587E-04
 IY= 1 3.200E-07 1.757E-05 -1.774E-05 -2.886E-02 -2.314E-03
 IZ= 1 4 7 10 13
 IY= 14 2.420E-03
 IY= 13 1.708E-03
 IY= 12 1.537E-03
 IY= 11 1.431E-03
 IY= 10 1.435E-03
 IY= 9 1.482E-03
 IY= 8 1.519E-03
 IY= 7 1.466E-03
 IY= 6 1.181E-03
 IY= 5 3.667E-04
 IY= 4 -1.211E-03
 IY= 3 -4.003E-03
 IY= 2 -8.796E-03
 IY= 1 -3.885E-03
 IZ= 16

Field Values of VISL

IY= 14 8.582E-06 8.787E-06 8.932E-06 9.028E-06 9.097E-06
 IY= 13 8.507E-06 8.560E-06 8.637E-06 8.716E-06 8.812E-06
 IY= 12 8.501E-06 8.513E-06 8.535E-06 8.560E-06 8.620E-06
 IY= 11 8.501E-06 8.505E-06 8.513E-06 8.510E-06 8.530E-06
 IY= 10 8.500E-06 8.504E-06 8.510E-06 8.500E-06 8.501E-06
 IY= 9 8.500E-06 8.503E-06 8.511E-06 8.498E-06 8.495E-06
 IY= 8 8.500E-06 8.502E-06 8.513E-06 8.499E-06 8.496E-06
 IY= 7 8.500E-06 8.501E-06 8.515E-06 8.500E-06 8.499E-06
 IY= 6 8.500E-06 8.500E-06 8.516E-06 8.502E-06 8.503E-06
 IY= 5 8.500E-06 8.498E-06 8.510E-06 8.502E-06 8.508E-06
 IY= 4 8.500E-06 8.496E-06 8.482E-06 8.485E-06 8.503E-06
 IY= 3 8.499E-06 8.493E-06 8.437E-06 8.457E-06 8.474E-06
 IY= 2 8.502E-06 8.513E-06 8.480E-06 8.560E-06 8.605E-06
 IY= 1 8.407E-06 8.110E-06 7.679E-06 7.368E-06 7.131E-06
 IZ= 1 4 7 10 13
 IY= 14 9.133E-06
 IY= 13 8.937E-06

IY= 12 8.746E-06
IY= 11 8.615E-06
IY= 10 8.543E-06
IY= 9 8.512E-06
IY= 8 8.502E-06
IY= 7 8.501E-06
IY= 6 8.505E-06
IY= 5 8.512E-06
IY= 4 8.516E-06
IY= 3 8.496E-06
IY= 2 8.623E-06
IY= 1 7.267E-06
IZ= 16

Field Values of DEN1

IY= 14 3.791E+02 3.244E+02 2.858E+02 2.604E+02 2.420E+02
IY= 13 3.992E+02 3.851E+02 3.645E+02 3.435E+02 3.179E+02
IY= 12 4.007E+02 3.977E+02 3.917E+02 3.851E+02 3.691E+02
IY= 11 4.009E+02 3.997E+02 3.976E+02 3.983E+02 3.930E+02
IY= 10 4.009E+02 4.001E+02 3.983E+02 4.011E+02 4.007E+02
IY= 9 4.009E+02 4.002E+02 3.980E+02 4.015E+02 4.024E+02
IY= 8 4.010E+02 4.004E+02 3.975E+02 4.014E+02 4.022E+02
IY= 7 4.010E+02 4.007E+02 3.970E+02 4.011E+02 4.014E+02
IY= 6 4.011E+02 4.011E+02 3.968E+02 4.006E+02 4.002E+02
IY= 5 4.011E+02 4.015E+02 3.984E+02 4.005E+02 3.989E+02
IY= 4 4.012E+02 4.020E+02 4.058E+02 4.049E+02 4.003E+02
IY= 3 4.012E+02 4.028E+02 4.178E+02 4.126E+02 4.080E+02
IY= 2 4.004E+02 3.977E+02 4.063E+02 3.849E+02 3.730E+02
IY= 1 4.258E+02 5.050E+02 6.197E+02 7.026E+02 7.660E+02
IZ= 1 4 7 10 13
IY= 14 2.324E+02
IY= 13 2.846E+02
IY= 12 3.353E+02
IY= 11 3.705E+02
IY= 10 3.895E+02
IY= 9 3.978E+02
IY= 8 4.006E+02
IY= 7 4.007E+02
IY= 6 3.996E+02
IY= 5 3.977E+02
IY= 4 3.967E+02
IY= 3 4.021E+02
IY= 2 3.684E+02
IY= 1 7.296E+02
IZ= 16

Whole-field residuals before solution
 with resref values determined by EARTH
 & resfac= 1.000000E-02

variable	resref	(res sum)/resref	(res sum)
P1	1.684E+01	1.669E+00	2.810E+01
U1	3.691E+00	5.162E+03	1.905E+04
V1	3.097E+01	8.305E+02	2.572E+04
W1	2.319E+02	2.698E+02	6.256E+04
PT0	1.683E+01	2.443E-01	4.111E+00
PT1	1.000E-08	0.000E+00	0.000E+00
PT2	1.000E-08	0.000E+00	0.000E+00

Nett source of U1 at patch named: ASMOU2 = 2.437213E+04
 pos. sum= 2.437213E+04 neg. sum= 0.000000E+00
 nett sum= 2.437213E+04

Nett source of V1 at patch named: ASMOU2 = 8.287454E+05
 Nett source of V1 at patch named: BUOYANCY =-2.757223E+06
 pos. sum= 8.287454E+05 neg. sum=-2.757223E+06
 nett sum=-1.928478E+06

Nett source of W1 at patch named: ASMIN = 3.158061E+06
 Nett source of W1 at patch named: ASMOU2 =-3.225810E+06
 pos. sum= 3.158061E+06 neg. sum=-3.225810E+06
 nett sum=-6.774900E+04

Nett source of R1 at patch named: ASMIN = 2.105376E+05
 Nett source of R1 at patch named: ASMOU2 =-2.107423E+05
 pos. sum= 2.105376E+05 neg. sum=-2.107423E+05
 nett sum=-2.046875E+02

Nett source of VFOL at patch named: ASMIN = 5.249999E+02
 pos. sum= 5.249999E+02 neg. sum= 0.000000E+00
 nett sum= 5.249999E+02

spot values vs sweep or iteration number

IXMON= 5 IYMON= 2 IZMON= 8 TIMESTEP= 1

Variable 1 = P1 2 = U1 3 = V1 4 = W1
 Minval= 0.000E+00 0.000E+00 0.000E+00 -4.317E-12
 Maxval= 0.000E+00 2.169E-18 3.904E-18 2.040E-14
 Cellav= 0.000E+00 5.719E-19 4.506E-19 -3.201E-12

1.00 4.3..2....+....+....+....+....+....+....+....+

. 4 .

```

0.90 + 2 +
.
0.80 + +
. 4
0.70 + +
. 2 2
0.60 + 4 +
.
0.50 + +
. 3 4 2
0.40 + +
. 4 2
0.30 + 4 2 +
. 2 4
0.20 + 3 4 2 2 +
. 4 2
0.10 + 3 3 3 4 4 2 2 +
. 3 3 3 3 4 4 4 4 2 2 2 2 .
0.00 3.1..1.1..1.1..1.1..1.1..1.1..1.1..1.1..4.4..4.4..4
0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0
the abscissa is ISWP. min= 2.00E+00 max= 2.42E+02

```

residuals vs sweep or iteration number

```

Variable 1 = P1 2 = U1 3 = V1 4 = W1
Minval= 4.952E-01 8.463E+00 6.627E+00 5.634E+00
Maxval= 6.066E+00 1.289E+01 1.100E+01 9.152E+00
1.00 4....+....+....+....+....+....+....+....+....+

```

```

.
0.90 + +
.
0.80 + +
.
0.70 + 4 +
. 4
0.60 + 3 4 +
. 4
0.50 + 4 +
. 4
0.40 + +
. 1 4
0.30 + 2 1 1 4 +
. 3 1 4

```

```

0.20 +      1 1      4      +
      .      3 1      4 4      .
0.10 +      3 2 3      1 1 1      4      +
      . 2      2      1 1 1 4 4 4      .
0.00 +....+....+....3.3..3.3..3.3..3.3..3.3..3.4..4.4..4
      0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0
the abscissa is      ISWP. min= 2.00E+00 max= 2.42E+02

```

```

SATLIT RUN NUMBER = 1 ; LIBRARY REF.= 109
Run completed at 10:01:02 on Monday, 10 May 2004
MACHINE-CLOCK TIME OF RUN = 29 SECONDS.
TIME/(VARIABLES*CELLS*TSTEPS*SWEEPS*ITS) = 6.473E-06
*****

```