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<?xml version="1.0" ?>
<!DOCTYPE Xdmf SYSTEM "Xdmf.dtd" [
<!ENTITY nxnynz "128 128 128">
]>
<Xdmf Version="2.0">
<Domain>
<Grid Name="Box" GridType="Collection" CollectionType="Temporal">

<!-- First time step -->
<Grid Name="FLUSI_cartesian_grid" GridType="Uniform">
  <Time Value="1.00000000E-01" />
  <Topology TopologyType="3DCoRectMesh" Dimensions="&nxnynz;" />

  <Geometry GeometryType="Origin_DxDyDz">
    <DataItem Dimensions="3" NumberType="Float" Format="XML">
      0 0 0
    </DataItem>
    <DataItem Dimensions="3" NumberType="Float" Format="XML">
      2.34375000E-02 2.34375000E-02 2.34375000E-02
    </DataItem>
  </Geometry>

  <!--Scalar-->
  <Attribute Name="mask" AttributeType="Scalar" Center="Node">
    <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
      mask_00010.h5:/mask
    </DataItem>
  </Attribute>

  <!--Vector-->
  <Attribute Name="us" AttributeType="Vector" Center="Node">
    <DataItem ItemType="Function" Function="JOIN($0, $1, $2)" Dimensions="&nxnynz; 3" NumberType="Float">
      <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
        usx_00010.h5:/usx
      </DataItem>

      <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
        usy_00010.h5:/usy
      </DataItem>

      <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
        usz_00010.h5:/usz
      </DataItem>
    </DataItem>
  </Attribute>
</Grid>

<!-- second time step -->
<Grid Name="FLUSI_cartesian_grid" GridType="Uniform">
  <Time Value="2.00000000E-01" />
  <Topology TopologyType="3DCoRectMesh" Dimensions="&nxnynz;" />

  <Geometry GeometryType="Origin_DxDyDz">s
    <DataItem Dimensions="3" NumberType="Float" Format="XML">
      0 0 0
    </DataItem>
    <DataItem Dimensions="3" NumberType="Float" Format="XML">
      2.34375000E-02 2.34375000E-02 2.34375000E-02
    </DataItem>
  </Geometry>

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</Geometry>

<!--Scalar-->
<Attribute Name="mask" AttributeType="Scalar" Center="Node">
<DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
mask_00010.h5:/mask
</DataItem>
</Attribute>

<!--Vector-->
<Attribute Name="us" AttributeType="Vector" Center="Node">
<DataItem ItemType="Function" Function="JOIN($0, $1, $2)" Dimensions="&nxnynz; 3" NumberType="Float">
  <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
    usx_00010.h5:/usx
  </DataItem>

  <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
    usy_00010.h5:/usy
  </DataItem>

  <DataItem Dimensions="&nxnynz;" NumberType="Float" Format="HDF">
    usz_00010.h5:/usz
  </DataItem>
</DataItem>
</Attribute>
</Grid>

</Grid>
</Domain>
</Xdmf>
```