

Note: global attributes of wrfout file header for all domains, central coordinates of domain, in red, are not correct for d02, d03, and d04.

d01

```
:CEN_LAT = 34.f ;  
:CEN_LON = -111.f ;  
:TRUELAT1 = 33.f ;  
:TRUELAT2 = 45.f ;  
:MOAD_CEN_LAT = 34.f ;  
:STAND_LON = -111.f ;  
:POLE_LAT = 90.f ;  
:POLE_LON = 0.f ;  
:GMT = 0.f ;  
:JULYR = 2008 ;  
:JULDAY = 74 ;  
:MAP_PROJ = 1 ;  
:MMINLU = "MODIFIED_IGBP_MODIS_NOAH" ;  
:NUM_LAND_CAT = 20 ;
```

d02

```
:CEN_LAT = 0.f ;  
:CEN_LON = 0.f ;  
:TRUELAT1 = 33.f ;  
:TRUELAT2 = 45.f ;  
:MOAD_CEN_LAT = 34.f ;  
:STAND_LON = -111.f ;  
:POLE_LAT = 90.f ;  
:POLE_LON = 0.f ;  
:GMT = 0.f ;  
:JULYR = 2008 ;  
:JULDAY = 74 ;  
:MAP_PROJ = 1 ;  
:MMINLU = "MODIFIED_IGBP_MODIS_NOAH" ;  
:NUM_LAND_CAT = 20 ;
```

d03

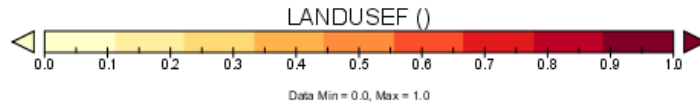
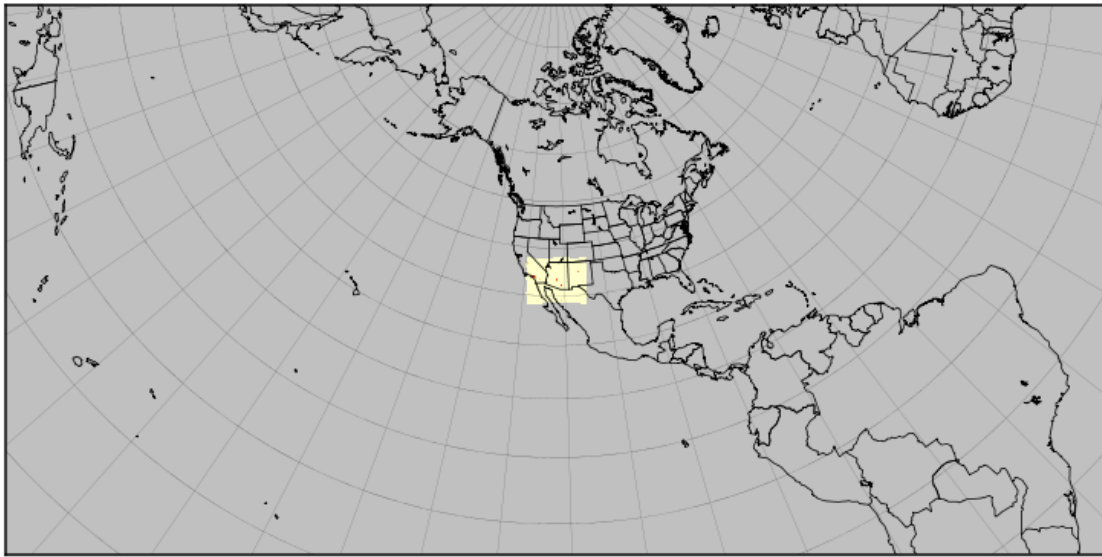
```
:CEN_LAT = 0.f ;  
:CEN_LON = 0.f ;
```

```
:TRUELAT1 = 33.f ;  
:TRUELAT2 = 45.f ;  
:MOAD_CEN_LAT = 34.f ;  
:STAND_LON = -111.f ;  
:POLE_LAT = 90.f ;  
:POLE_LON = 0.f ;  
:GMT = 0.f ;  
:JULYR = 2008 ;  
:JULDAY = 74 ;  
:MAP_PROJ = 1 ;  
:MMINLU = "MODIFIED_IGBP_MODIS_NOAH" ;  
:NUM_LAND_CAT = 20 ;
```

d04

```
:CEN_LAT = 0.f ;  
:CEN_LON = 0.f ;  
:TRUELAT1 = 33.f ;  
:TRUELAT2 = 45.f ;  
:MOAD_CEN_LAT = 34.f ;  
:STAND_LON = -111.f ;  
:POLE_LAT = 90.f ;  
:POLE_LON = 0.f ;  
:GMT = 0.f ;  
:JULYR = 2008 ;  
:JULDAY = 74 ;  
:MAP_PROJ = 1 ;  
:MMINLU = "MODIFIED_IGBP_MODIS_NOAH" ;  
:NUM_LAND_CAT = 20 ;
```

LANDUSEF



LANDUSEF

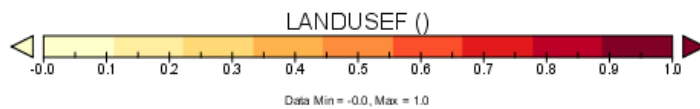
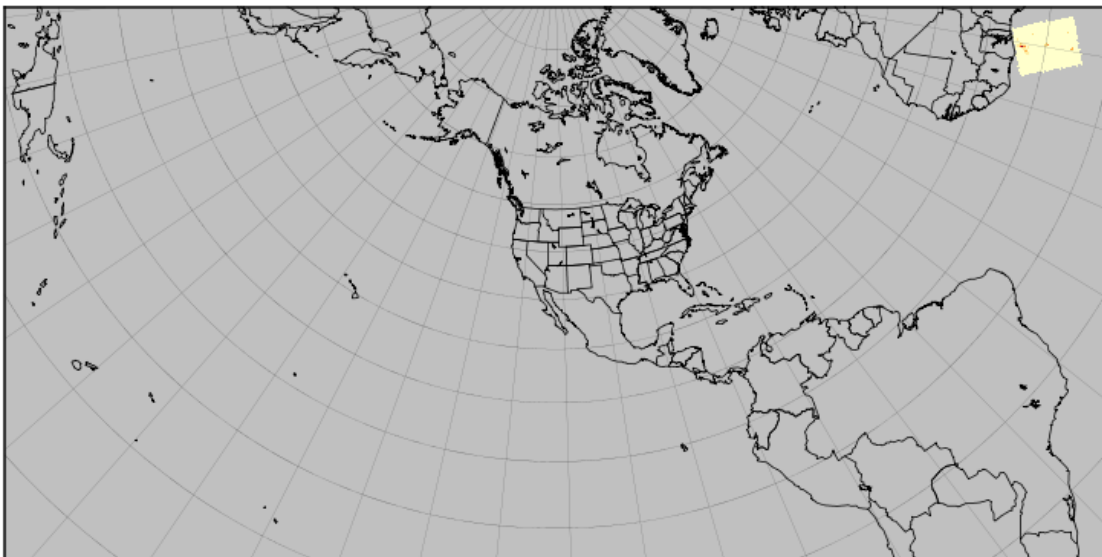


Figure WRFv3.1.1 runs for nested domain d02 (12-km) (top in yellow area) and WRFv3.2 runs (bottom) for the same domain presented by Panoply. The domain from runs of WRF3.2 is spatially shifted to (lat=0, lon=0) with unknown reason. However, WPS3.2 runs including geo_em.d0*.nc show correct locations for all nested domains.