

## **Compiling CMAQ v4.2.2 using Intel Fortran v 7.1**

In addition to following the README file, UCR made the following modifications to compile CMAQ for the intel fortran compiler version 7.1.

### **Changes to ioapi22**

Before compiling ioapi22, in the files Makeinclude.Linux2\_x86ifc and Makeinclude.Linux2\_x86ifcdbg,

Change these lines:

```
CC = /opt/intel/compiler50/ia32/bin/icc
```

```
FC = /opt/intel/compiler50/ia32/bin/ifc -auto
```

To this:

```
CC = /opt/intel/compiler70/ia32/bin/icc
```

```
FC = /opt/intel/compiler70/ia32/bin/ifc -auto
```

After compiling, copy the file STATE3.EXT into the fixed\_src directory.

Edit the copy of STATE3.EXT and remove the '&' characters from the end of lines when appropriate.

### **Changes to netCDF**

Before compiling, instead of setting \$CC to "gcc", set it to  
"/opt/intel/compiler70/ia32/bin/icc"

### **Changes to the bldit scripts**

In each bldit script, make sure this line is changed to point to your copy of mpich:

```
set INCL = /share/linux/bin/mpich-ch_p4/include
```

In the files bldit.dynmem.linux and bldit.m3bld.linux, replace the line:

```
set CC = /usr/bin/cc
```

with this one:

```
set CC = /opt/intel/compiler70/ia32/bin/icc
```