

## Tutorial session 7 examples

### 1. ADAS 405 Test Case

1. Move to your directory `./.../<uid>/adas/scripts405`. Check if you have files *NULL* and *test\_c*. If not, copy them both from `./.../adas/adas/scripts405`.
2. Move back to your `./.../<uid>/adas/pass` directory. Start ADAS and move to the ADAS4 series menu. Select ADAS405.
3. The Input window is complex. Note the Isonuclear Classes - click the *SELECT* button. On the drop down choice click on the buttons for *ACD,SCD,PRB,QCD,XCD,PLT*. then click *Done*.
4. Note the Select directory branch - click on the button and select *Central*.
5. Enter Year of data [93{return}]. Enter Default year [93{return}].
6. Enter Isonuclear element symbol [c{return}]
7. Note Type of master files - click on the button and select *Partial*. Note the Specify partial type code - click on the button and select *Resolved*.
8. Look at the lower section on the Line and Analysis Selection File. Click on the button for *User data*. Select the file *NULL*. Click *Done* to move to the processing window.
9. Click the Default temperature/density values button. You will need to choose an electron density, 1.00E9 say, and a hydrogen density, 1.00 say. Remember the {return} after entering each number. Then click *Done* to move to the Output options window.
10. Click the button for *Graphical output*. Then click the button for *Fractional abundance plot*. Finally click *Done* to see the graph.
11. Click *Done* to return to the Output options screen. You can *Exit to menu* using the icon in this program.

### 2. Example 2

Repeat ADAS405 but this time select the file *test\_c*. Everything else the same. You will see a line selection choice now on the processing options window. Select one of these. On the Output options window you should look at the other graphs.

### 3. Example 3

ADAS405 has a very wide scope. Feel free to try it. You will probably need to look at the blue special manual to appreciate its full capabilities and the range of data which it can access.