

```

000001
000002      Fcitydata1 0   a e                      disk
000003
000004      D Cities                ds                      qualified
000005      D CityData              likeds(citydatads) dim(2)
000006      D
000007      D CityDatads            ds                      qualified
000008      D   CityName              20
000009      D   Region                20
000010      D   State                 20
000011      D   MonthlyData          likeds(MonthlyData) dim(3)
000012
000013      D MonthlyData            ds
000014      D   Month                 9
000015      D   Low                  3
000016      D   High                3
000017
000018      D   options1              s                      100a
000019      D   filename              S                      25a   inz('/xmldocs/citydata1.xml') varying
000020      D   x                     S                      2   0
000021      D   y                     S                      2   0
000022
000023
000024      /free
000025
000026      // Setup parsing options
000027      options1 = 'doc=file +
000028                allowextra=yes allowmissing=yes case=any';
000029
000030      // Initialize path to file in IFS
000031      filename = '/xmldocs/citydata1.xml';
000032
000033      // Capture header data into data structure Cities
000034      xml-into Cities %xml(filename:options1);
000035
000036      // Capture detail data, load subfile
000037      for x = 1 to 2;
000038          cityname = cities.citydata(x).cityname;
000039          region = cities.citydata(x).region;
000040          for y = 1 to 3;
000041              monthname = cities.citydata(x).monthlydata(y).month;
000042              low = cities.citydata(x).monthlydata(y).low;
000043              high = cities.citydata(x).monthlydata(y).high;
000044          write citydata;
000045          endfor;
000046      endfor;
000047
000048      *inlr = *on;
000049      return;
000050
000051      /end-free

```