

**Article Title:****Foreshock Cavities: Direct Transmission Through the Bow Shock****Authors:**

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**Total Data Size:** 114 Mb

**Data Description:**

Data for Figures 1-5 in the paper is provided in the marked locations. The 2-D is in “Direct Access” (.gda) format (readable by visualization packages such as IDL). The dimensions of the files provided for each Figure is specified in “Note on Dimensions” file provided in that folder.

**Information on Units:**

The units for the data correspond to those indicated for each Figure. Note that in the Figures in the published journal the maximum limits for the color bar may have been set at numbers below the actual limit for the purpose of clarity.

## Generic Code for Reading 2-D Data (e.g. dns.gda):

```
RecordLength (in bytes) = 4 x (size_in_X x size_in_Y)
```

```
OPEN (10,file='dns.gda',form='unformatted',access='direct',status= &  
      'unknown',recl= RecordLength)
```

Note: 10 is arbitrary I/O unit ID number chosen here for example. This number is used when reading 'dns.gda' file as shown below.

```
READ (10,rec=1) (((dns(i,j),i=1, size_in_X),j=1, size_in_Y))
```

Note: Here rec=1 since 2-D data is shown at 1 time.