Filename: [moon]_rand_isis3.net -or- **[moon]_usgs_isis3_jig.net**

Converted from the ISIS2 '.mat' to the ISIS3+ '.net' format.

This is a binary file designed to be opened by USGS ISIS3+ control-network routines such as qnet and jigsaw.

These control networks were converted to the ISIS3+ using the routine *mat2cnet* with the following inputs:

list2 = List of ISIS2 images	– A simple text file (.txt, .lis) listing the path to each ISIS2 (.cub) image in the control network (1 per line). The required ISIS2 images are included in this ZIP file.
match = dixy0_adj.mat	– RAND solution measurements in ISIS2 *qmatch* format adjusted to be read by the ISIS3 routine *mat2cnet.* In this version the line and sample columns have been transposed. No data are altered.
inputppp = yes	– Informs program to incorporate a RAND PPP file to assign latitude, longidude and radius values associated with corresponding point IDs from the *qmatch* (.mat) file.
ppp = out04_adj.dat	– RAND solution "poles, points, and positions" output file adjusted to be read by ISIS3 *mat2cnet*. In this version, the exponential notation is expressed with E+/E- rather than D+/D-. Additionally, 417 unused 'junk' spaces or hidden characters have been removed. No data are altered.
list3 = List of ISIS3 images	– A simple text file (.txt, .lis) listing the path to each ISIS3 (.cub) image in the control network (1 per line). The required ISIS3 images are included in this ZIP file.
onet = Dione_control_PPP.net	– The control network described in this document.
description = "Dione control network for ISIS3"	– Brief description of network to be created.
networkid = Dione_Net_I3	– Unique keyword identifier (user provided).
target = Dione	– Target name.

Documentation and examples for ISIS3 control network software can be found at

https://isis.astrogeology.usgs.gov

https://isis.astrogeology.usgs.gov/Application/presentation/Tabbed/qnet/qnet.html

https://isis.astrogeology.usgs.gov/Application/presentation/Tabbed/jigsaw/jigsaw.html

https://isis.astrogeology.usgs.gov/documents/ControlNetworks/index.html