Diagnostic Analysis

Diagnostics

Configuration and calibration information are located by port, in the Sensor

Diagnostics

Optical

Diagnostics

Emitted and reflected light

Diagnostics

Scattered light

Diagnostic Instruments record NIF data

DIM = Diagnostic Instrument

nTOF = Neutron Time of Flight

1–20 keV

>20 keV

X-rays

Emissions

All data are stored in a Relational Database

DIM = Diagnostic Instrument

nTOF = Neutron Time of Flight

1–20 keV

>20 keV

X-rays

Emissions

Data-driven Analysis

Analysis of data is done automatically. Dante analysis is now an automated pipeline Dante analysis can be visualized in many ways

Dante System Shot

Preprocess Dante System Shot

Scope_N)

Pre-shots

Dante Channel Compensation

DA.DANTE_CHAN_RESPONSE

DA.DANTE_CHAN_COMP

Stage X-ray Filters for Damage

Analyze Dante Camera Images

Adjustment/ Compensation

Perform Dante Channel Compensation

DA.DANTE_CHAN_COMP

Delay

Ionization

V

Voltage

Perform Dante X-ray Temperature and Flux

Dante X-ray Temperature and Flux

Calibrate and configure Dante

Dante analysis is now an automated pipeline

Dante results can be visualized in many ways

Dante analysis is now an automated pipeline

Dante results can be visualized in many ways