

Understanding the Current COPC Network Data Transfer Times

**Spring 2017 WG/CSAB Meeting
(OFCM, Silver Spring, MD)
March 29, 2017**

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COPC Action Item

COPC Action Item 2016-2.3: Understand the current data transfer times and add this information to a new column in the Mission Essential Data Exchange Among OPCs table.

Purpose: Look at our current data transfer times to have a baseline latency so we can sufficiently tell DISA if the MPG does not meet our requirements.

- Too difficult to measure per data type.
- NAVO has developed a testing file and tested sending this file to NESDIS and FNMOC.
- Before the COPC meeting we should test the reverse path.
- NESDIS/NAVO exchange should create a good baseline on the current point to point network and before MPG/NFG.
- FNMOC/NAVO exchange should create a good baseline on the current network connection and before JRSS is implemented.

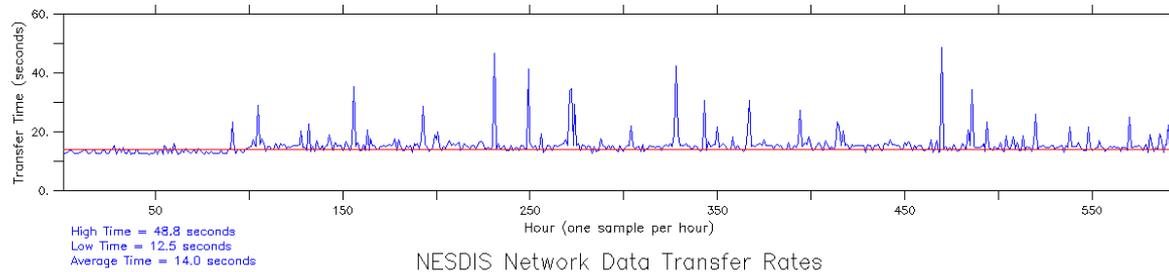
NAVO Testing Details

NAVO is verifying transfer rates of NAVO to NESDIS/OSPO, as well as NAVO to FNMOC

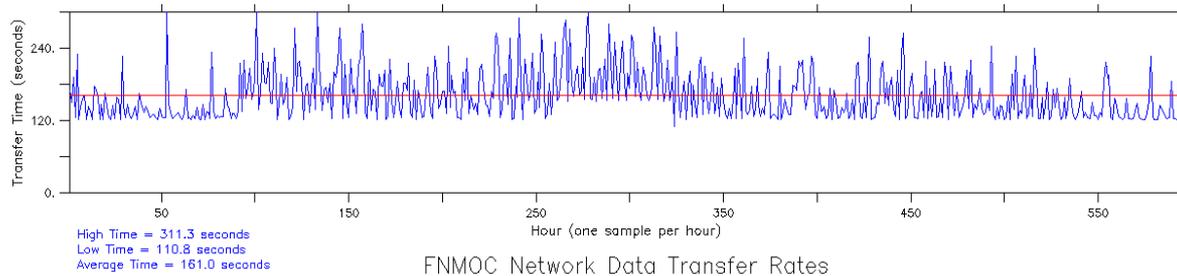
- Actively generated 100MB binary file
- File transferred once/hour

FEMNET 14x4000
NESDIS/FMEL 194P
20-NOV-2017 19:27:07
DATA SET: nesdis.tmp1

NAVO -> NESDIS
~14.0sec avg/xtime



NAVO -> FNMOC
~162.0sec avg/xtime



CSAB Discussion

- NAVO way forward:
 - Engage partners to establish two-way transfer rate baseline
 - Provide partners with methodology/approach to ensure consistency/continuity
 - Maintain approach through NFG/MPG and JRSS implementation – compare/ verify results post-implementation
 - Utilize method to track operational xfer rates
- FNMOC:
 - Test sending this same file to NAVO?
- NESDIS:
 - Submit the CCR to test sending this file?
- CSAB:
 - Do we want to set a timeline for similar testing by the other OPCs?
 - Should this be a separate agenda item at COPC?
 - Who will present?