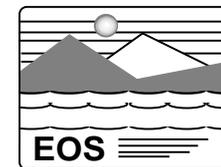


EOSDIS



EOSDIS Networks

Dick Des Jardins

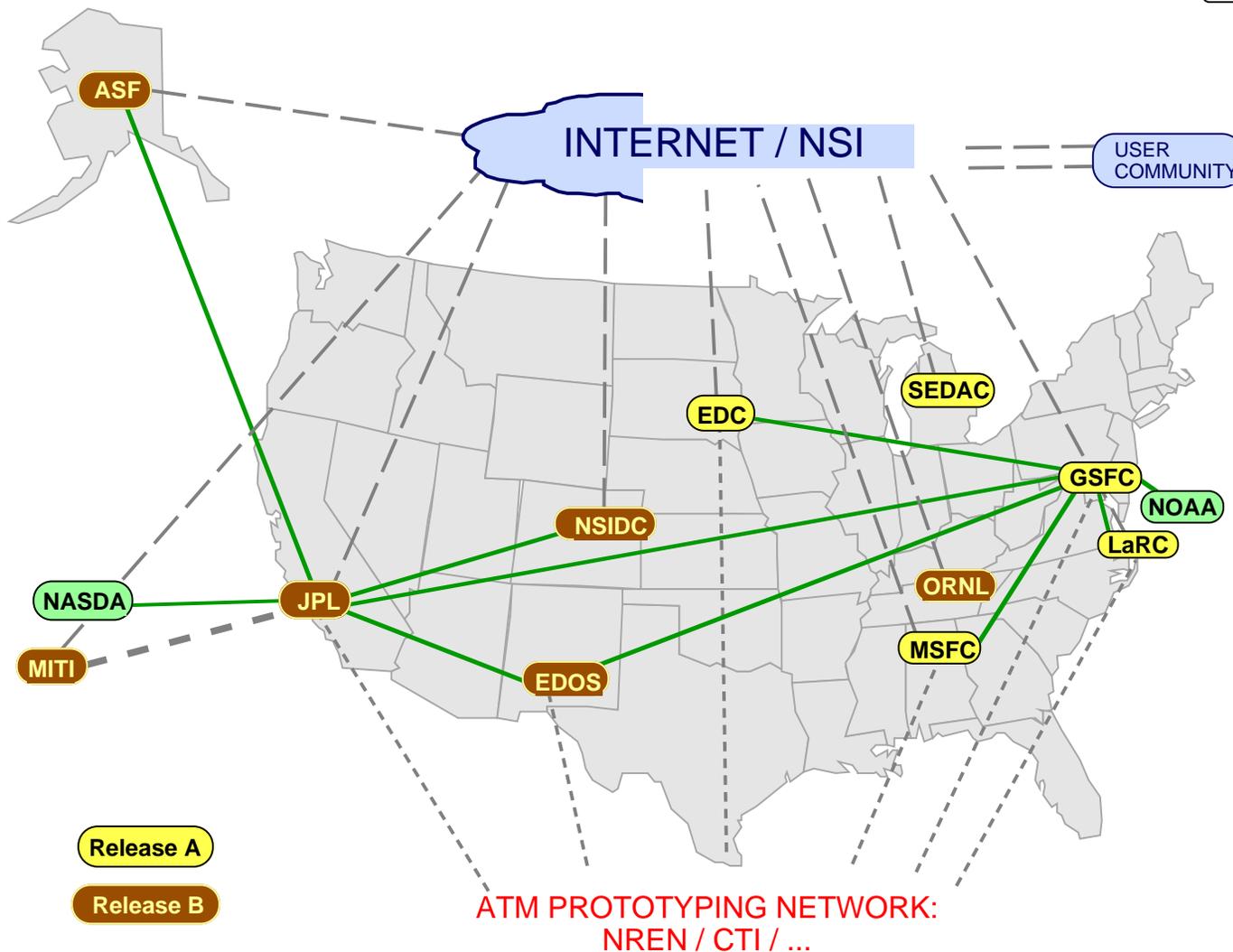
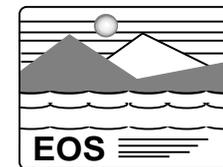
`desjardi@eos.nasa.gov`

ECS Release A SDPS/CSMS Critical Design Review

14 August 1995

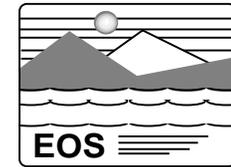
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Networks Overview



Note: EBnet Topology TBD

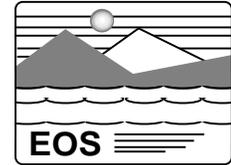
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- **Ecom, V0 Network, and ESN consolidated into a single EOS backbone network (EBnet) for:**
 - « **V0 Network Flows**
 - « **EDOS to DAAC level 0 data flows**
 - « **DAAC to DAAC production and query data flows**
 - « **Real-time command and control data**
 - « **Support of non-EOS MTPE missions**
- **EBnet to be provided by Code 540, Nascom**
 - « **EBnet Version 0 exists today**
 - « **EBnet Release A/B Design review planned for October '95**
- **NASA Science Internet (NSI) to support external data flows for ISTs, QA, investigators/SCFs, and general community.**
 - « **NSI connectivity to Rel A (TRMM) sites is complete**
 - « **NSI connectivity to Rel B (AM-1 & ADEOS-II) sites is planned for '96/'97**

EOSDIS

**External User Access Network:
NASA Science Internet**



Three science user network categories:

- 1. Basic service to EOS investigators**
 - Start by assuring browse level of service (100 kbps)
 - Build up to higher levels of service as costs come down
 - Only realistic approach is to support focus on NII
- 2. Service to Instrument Teams for QA, IST**
 - ISTs are on campus LANs except for Toronto
 - QA SCFs, data flows have been identified by AHWGP
- 3. High volume Internet/NII connectivity to DAACs**
 - Initially budgeted at 1X production from each DAAC to nearest FIX
 - Could swamp FIX, need to support focus on ATM, NII

We will be prototyping with users to determine best way to provide essential networking, manage expectations.