

NCC 98

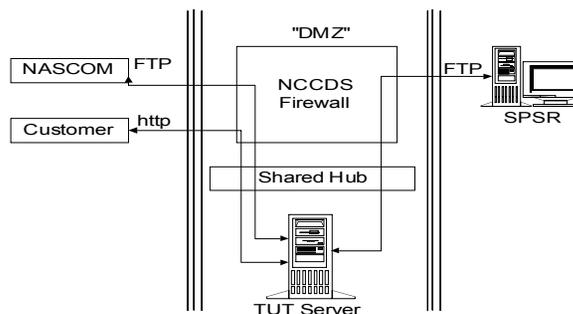
Web Based TDRSS Unscheduled Time

TUT Overview

- TDRSS Unscheduled Time (TUT) indicates unused time periods for SN resources
- Currently customers receive this via e-mail
- With the transition to NCC 98, TUT will be web based
 - Available to all customers on the IONET
 - The information is not sensitive

NCC98 Web Server Architecture

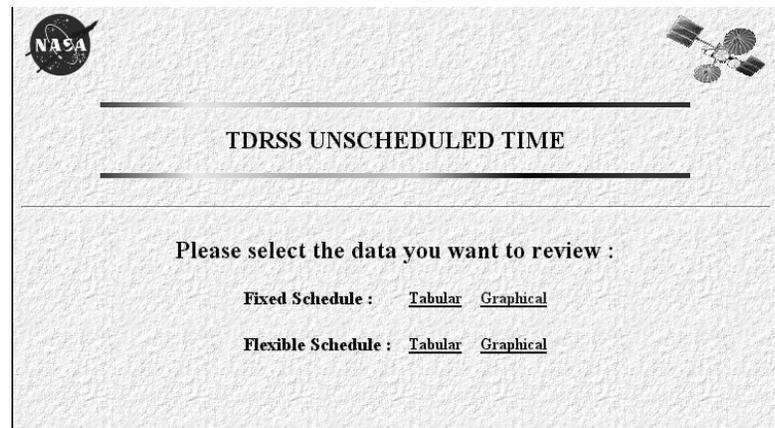
- Message Flow
 - SPSR provides the TUT information to the WWW Server (maintains a local copy)
 - TUT information is periodically generated at some operationally determined interval - currently once a day
 - WWW Server responds to requests for this information from external Web browsers
 - WWW Server will extract the requested information from the local copy, format it on an HTML page and return it to the customer



Customer Access to TUT

- Steps to accessing TUT information
 - Use a computer with a web browser that is connected to Closed IONET
 - Type in the TUT URL
<http://tuth1.ncc.ops.nascom.nasa.gov/>
 - The result is a query page

- From the query page a user may select to view the fixed schedule information in tabular or graphical format
 - Format is chosen by preference
 - The information will be consistent regardless
- Please note that the initial release does not support flexible scheduling; thus, only TUT information for fixed schedules can be generated



- Identify a time period, minimum duration, services, and TDRS

Please enter your selections :

Window Start Time

Window Stop Time

Minimum Duration

Resources

MAF MAR SA SMAF SMAR

First TDRS

041 044 171 278 AAA

Second TDRS

041 044 171 278 AAA

Graphical Version

Please enter your selections :

Window Start Time

Window Stop Time

Minimum Duration

Resources

MAF MAR SA SMAF SMAR

TDRS

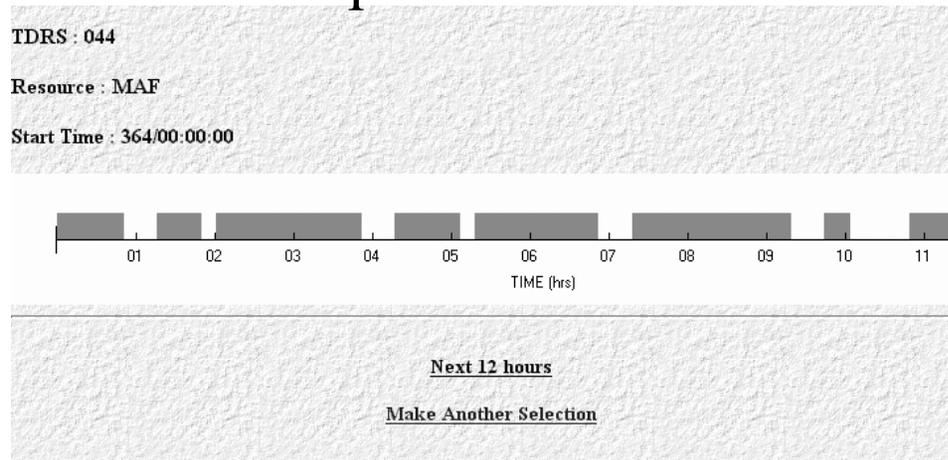
041 044 171 278 AAA

Tabular Version

- Once submitted, the query will be sent to the NCCDS WWW Server
- The requested information will be extracted and formatted on an HTML page
- This page will then be returned to you via your web browser

Tabular Version

Graphical Version



TDRS	Antenna/Link	Start Time	Stop Time	Duration
AAA	SA1	364/00:00:00	366/00:08:17	02/00:08:17
AAA	SA1	001/00:18:17	008/01:00:39	07/00:42:22
041	SA1	364/00:00:00	364/00:08:17	00/00:08:17
041	SA1	364/00:18:17	364/01:00:39	00/00:42:22
041	SA1	364/01:45:39	364/02:04:33	00/00:18:54
041	SA1	364/02:29:33	364/03:00:50	00/00:31:17
041	SA1	364/03:25:50	364/04:09:35	00/00:43:45
041	SA1	364/04:54:35	364/05:29:43	00/00:35:08
041	SA1	364/05:54:43	364/06:04:04	00/00:09:21
041	SA1	364/06:49:04	364/07:12:33	00/00:23:29
041	SA1	364/07:37:33	364/08:06:40	00/00:29:07
041	SA1	364/08:31:40	364/09:22:16	00/00:50:36
041	SA1	364/09:47:16	364/10:39:02	00/00:51:46

Next Steps

- Web based TUT is read only
- Once you receive the requested information from the TUT you must submit requests through your normal channels

NCC98 Web Server Documentation

- *Network Control Center Data System (NCCDS) System Requirements, 1998, 530-SRD-NCCDS/1998*
- *Network Control Center Data System (NCCDS) Specification for World Wide Web Server for TDRSS Unscheduled Time and Nascom Information*
 - Accessible from NCC98 Web Page @ <http://NCC98.gsfc.nasa.gov>