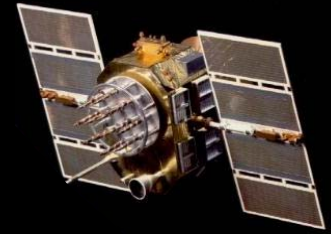




Global Positioning System



User Support Forum



**CGSIC Meeting
Portland, OR**

September 20, 2011

**Hank Skalski
U.S. Department of Transportation**



Overview

- **User Support**
 - **Background & History**
 - **User Needs / Comments**
 - **Provider Response**
 - **The Way Ahead & Your Input**



Do you know what this is ?





Or this ?





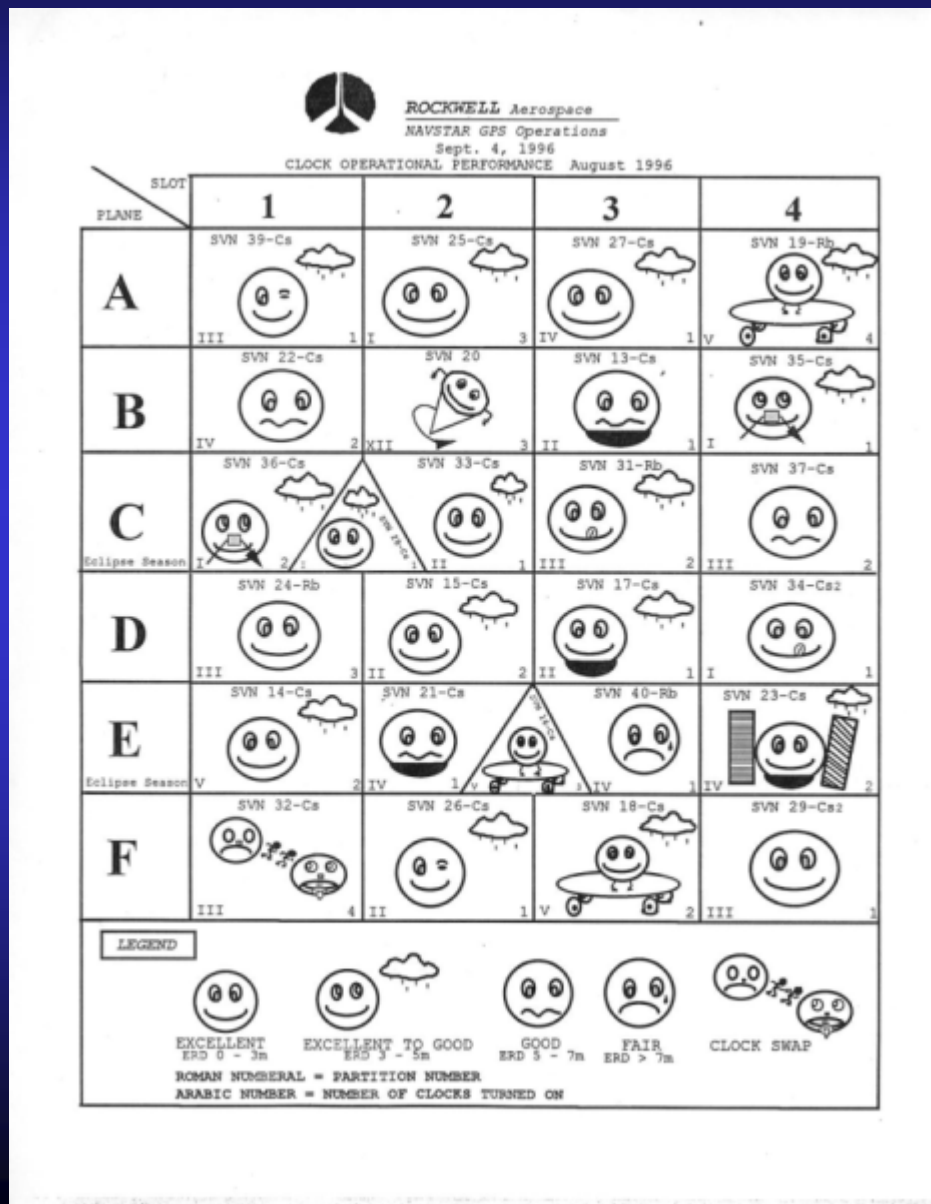
... and this ?





Constellation Reporting

Circa early '90's





Constellation Reporting

Circa mid '90's

UNCLASSIFIED



Constellation Status



PLANE	SLOT					
	1	2	3	4	5	
A	SVN39	SVN25	SVN27	SVN19		SVN38 (Nov 97)
B	SVN22	SVN30	SVN13	SVN35		SVN44 (Feb 98)
C	SVN36	SVN33	SVN31	SVN37	SVN28	
D	SVN24	SVN15	SVN17	SVN34		
E	SVN14	SVN21	SVN40	SVN23	SVN16	
F	SVN32	SVN26	SVN18	SVN29	SVN43	

25 Operational Satellites On Orbit

HG AFSPC/DOR / DV80.PPT

10/16/97

4

UNCLASSIFIED



Constellation Reporting

Circa
2000



UNCLASSIFIED



Constellation Status Satellite Slots

11 ⇨ Age in Years

1 ⇨ Constellation Rank

PLANE

		A	B	C	D	E	F
S L O T	1	39 ⁷ ₇	22 ⁷ ₉	36 ⁶ ₆	24 ⁹ ₁₆	51 ⁰ ₈	29 ⁸ ₁₂
	2	25 ⁸ ₅	30 ⁴ ₁₄	33 ⁴ ₁₉	46 ⁰ ₁₀	21 ¹⁰ ₁₇	26 ⁸ ₂
	3	38 ³ ₂₄	13 ¹¹ ₄	31 ⁷ ₂₂	17 ¹¹ ₁	40 ⁴ ₁₃	18 ¹⁰ ₂₃
	4	27 ⁸ ₂₈	35 ⁷ ₃	37 ⁷ ₁₁	34 ⁷ ₂₆	23 ¹⁰ ₁₈	32 ⁸ ₂₀
	5	19 ¹¹ ₂₁	44 ^{na} _{na}		15 ¹⁰ ₁₅	16 ¹⁰ ₂₇	43 ³ ₂₅
	6	53*					

*Actual Plane/Slot location TBD

UNCLASSIFIED

21 Jun 00



Constellation Reporting

Today

NOTICE ADVISORY TO NAVSTAR USERS (NANU) 2011077

SUBJ: SVN35 (PRN30) FORECAST OUTAGE EXTENDED UNTIL FURTHER NOTICE

1. NANU TYPE: FCSTEXTD

NANU NUMBER: 2011077

NANU DTG: 091901Z SEP 2011

REFERENCE NANU: 2011075

REFERENCE NANU DTG: 042339Z SEP 2011

SVN: 35

PRN: 30

START JDAY: 250

START TIME ZULU: 2000

START CALENDAR DATE: 07 SEP 2011

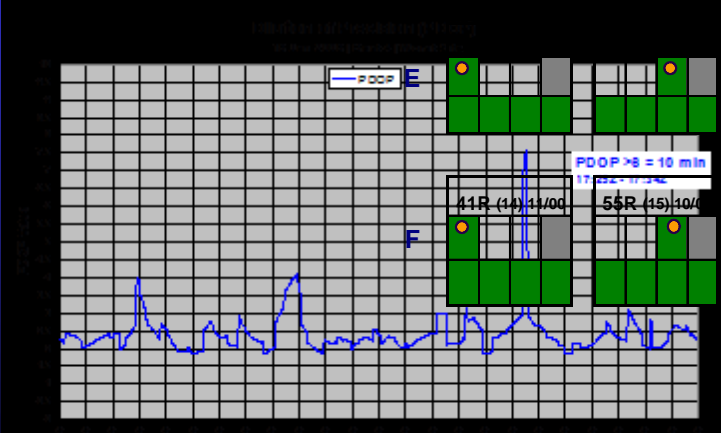
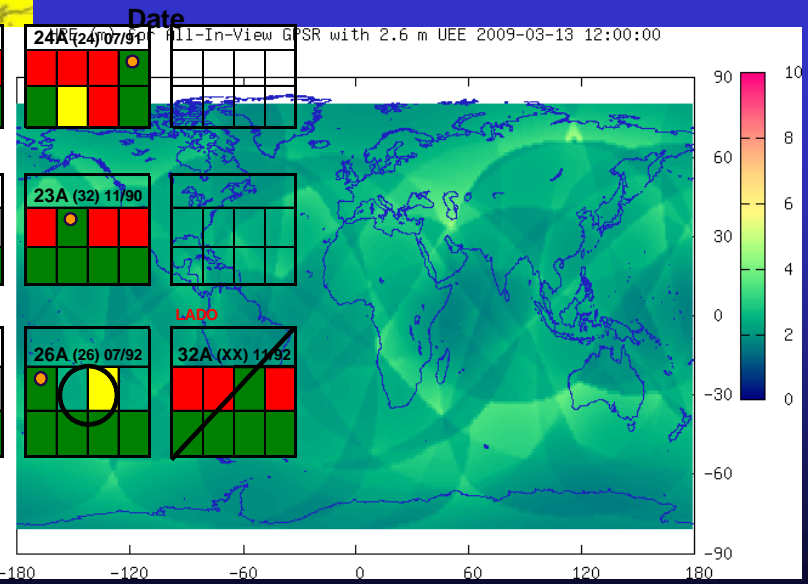
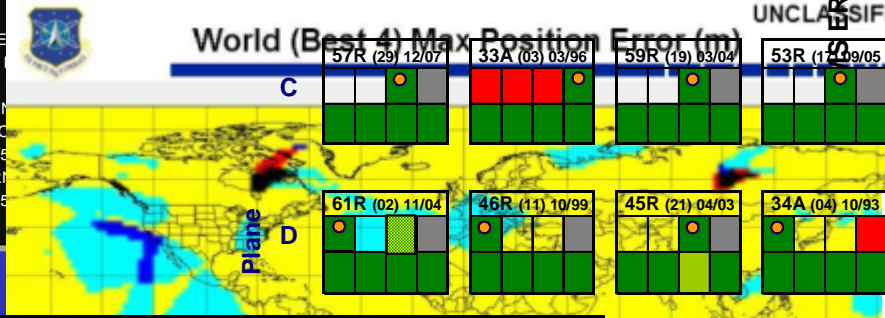
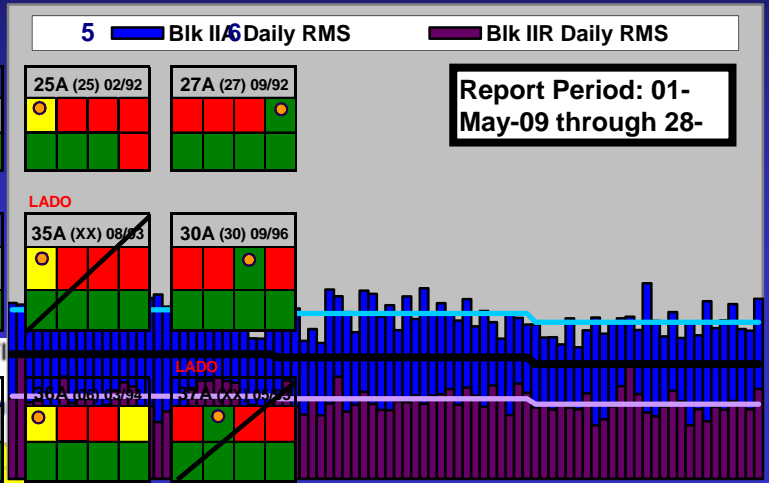
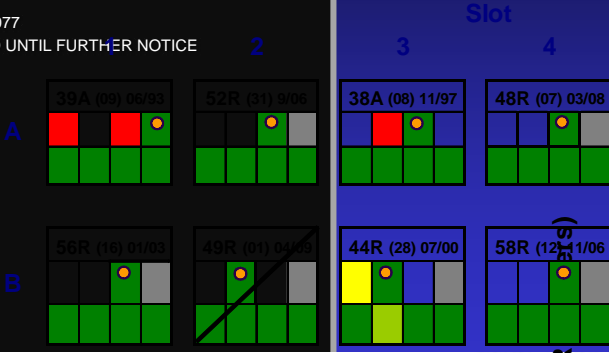
STOP JDAY: UFN

STOP TIME ZULU: N/A

STOP CALENDAR DATE: N/A

2. CONDITION: THE
UNTIL FURTHER

3. POC: CIVILIAN -
MILITARY - GPS C
COMM 719-567-25
MILITARY ALTER
COMM 805-606-35





Constellation Reporting

User Support

Where do we go from here?

What do users need?

When do users need it?

How is it delivered?



User Needs / Comments

- User needs and comments
 - CGSIC meetings
 - USCG Navcen
 - Public Working Groups
 - USAF GPSOC
- Greater NANU **consistency / standardization**
 - Eliminate errors
 - Automate process
 - Eliminate manual intervention
 - Timely constellation updates
- Request **follow-up** to “General NANUs”
- Increase “**plain language text**” usage



Provider Response

- Improvements initiated by 2SOPS
 - ICD-GPS-240 **Updated**
 - **Increased** quality control & standardization
 - Improvements to operational transparency with **increased** NANU transmissions and **improved** text dialog
- ICD-GPS-870, GPS OCX to User Support Community Interfaces
 - Addresses current & future needs
 - Public Interface Control Working Group meeting
 - April 28, 2011



Provider Response

- **GPS User Support**



- **GPS.gov (<http://www.gps.gov>)**

- “GPS User Support” link on home page
- Links to ICD-GPS-870 and other

- **NAVCEN Website (<http://www.navcen.uscg.gov>)**

- **E-mail: nisws@navcen.uscg.mil**
- **Phone: +1 703 313 5900**
- **Fax: +1 703 313 5920**





Way Ahead

Comments

Questions

Your turn!

Input

Requests



Contact Information

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