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-----Original Message-----

From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Friday, October 14, 2016 2:39 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: Best Practices for Leap Second Event Occurring on 31 December 2016

All CGSIC:

Best Practices for Leap Second Event Occurring on 31 December 2016 has been published by the Department of Homeland Security's National Cybersecurity and Communications Integration Center in coordination with the United States Naval Observatory, National Institute of Standards and Technology, the USCG Navigation Center, and the National Coordination Office for Space-Based Positioning, Navigation and Timing. This product is intended to assist federal, state, local, and private sector organizations with preparations for Saturday, 31 December 2016 Leap Second event. The document can be found on the Navigation Center's website: https://www.navcen.uscg.gov/pdf/gps/BestPracticesForLeapSecond12312016.pdf

Semper Paratus

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----

From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Thursday, October 06, 2016 8:43 AM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: Civil GPS Service Interface Committee List Service Changes

All CGSIC:

Coast Guard List Service

As a subscriber to messages from the Civil GPS Service Interface Committee (CGSIC), the following information is provided. The U.S. Coast Guard is shifting its subscription messaging service from the current service provider to GovDelivery.com
<https://urldefense.proofpoint.com/v2/url?u=http-

3A__GovDelivery.com&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=kF7hk2zmPDsB5GwPZ4Xo_IcXfjG-bflAHTKwtXz-8vM&e=> . This new service will provide you information in assorted formats - via email, on your mobile device, and through vibrant social media integration. GovDelivery.com allows for customized and expanded access to U.S. Coast Guard and other government information based upon your particular interests.

In the coming days, expect to receive a welcome email from GovDelivery.com <https://urldefense.proofpoint.com/v2/url?u=http-3A__GovDelivery.com&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=kF7hk2zmPDsB5GwPZ4Xo_IcXfjG-bflAHTKwtXz-8vM&e=> with more information about the new service. Any subscriptions you have with the U.S. Coast Guard will continue. Please note, when you receive the welcome email, you will need to confirm your email address and, for security purposes, create a password as well. You will be able to update your email address and text phone number, or unsubscribe at any time.

Thank you for your continued interest in the Civil GPS Service Interface Committee.

Semper Paratus

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Thursday, September 29, 2016 10:55 AM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: FW: GPS Adjacent Band Compatibility Assessment Workshop

All CGSIC:

The U.S. Department of Transportation will host its fifth workshop on the Global Positioning System (GPS) Adjacent Band Compatibility Assessment effort on Friday, October 14, 2016 in Washington, DC. A Federal Register Notice is forthcoming.

The purpose of this workshop is to discuss the results from testing of various categories of GPS/Global Navigation Satellite System (GNSS) receivers to include aviation (non-certified), cellular, general location/navigation, high precision and networks, timing, and space-based

receivers. The workshop also will include a discussion on the development of use-case scenarios for these categories.

This workshop is open to the general public by registration only. For those who would like to attend the workshop, we request that you register no later than October 11, 2016. Please use the following link to register: Global Positioning System Adjacent Band Compatibility Assessment Workshop V <https://urldefense.proofpoint.com/v2/url?u=https-3A__volpecenterevents.webex.com_volpecenterevents_onstage_g.php-3FMTID-3De856d4f062c520e41d0793b581a9ead82&d=CwMFAg&c=0NKfg44GVknAU-XkWXjNxQ&r=JKZ9-jeSH5_z_Cd1e0jfqhC2hznFcRGVOddr6BHxKLc&m=J93uDsAgJAoUQ3eMZKgFYDXDG3Ag3RvNobQdoqMtADA&s=5ejCrNNW16MD2pWfpKn1a7xhxCFuTnXjZ0gAq4JZ5zA&e=> .

DATE/TIME: October 14, 2016 / 10 a.m. - 4 p.m. (Eastern Daylight Time).

LOCATION: RTCA, Inc., 1150 18th ST NW, Suite 910, Washington, DC 20036.

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Thursday, September 01, 2016 11:51 PM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: FW: 56th meeting of the U.S. government's Civil GPS Service Interface Committee (CGSIC)

All CGSIC:

PORTLAND, OR -- On the 12th and 13th of September, the 56th meeting of the U.S. government's Civil GPS Service Interface Committee (CGSIC) will be hosted by the U.S. Department of Transportation (DOT) and the U.S. Coast Guard Navigation Center (NAVCEN) at the Oregon Convention Center in Portland, Oregon. DOT serves as the civil lead for the Global Positioning System (GPS) and chairs the CGSIC in this capacity. NAVCEN is assigned duties as Deputy Chair and Executive Secretariat for the CGSIC.

On Monday, September 12th, the Subcommittees of the CGSIC for Timing, State and Local Government, International Information, and Survey, Mapping, and Geosciences will hold their meetings. A summary of these subcommittee meetings will be presented to the CGSIC Plenary Session on Tuesday, September 13th.

The Keynote speaker for this year's CGSIC Plenary session will be Brigadier General Mark Baird, Vice Commander, Space and Missile Systems Center, Los Angeles Air Force Base. The agenda for the CGSIC Subcommittee and Plenary sessions will include presentations on the operational status and modernization of the GPS constellation of satellites, U.S. space-based Position, Navigation and Timing (PNT) policy, GPS augmentation systems, and information related to U.S. engagement with other international Global Navigation Satellite Systems (GNSS), as well as a variety of interesting applications of the use of GPS.

Several new briefings are part of the Plenary session this year, including a presentation from the National Geospatial-Intelligence Agency (NGA) on the agency's support of the civil GPS program. Also, the Department of Homeland Security will provide an update on the activities of the Office of Infrastructure Protection PNT Program Management Office.

The agenda for the meeting is available at http://www.gps.gov/cgsic/meetings/2016/ <https://urldefense.proofpoint.com/v2/url?u=http-3A__www.gps.gov_cgsic_meetings_2016_&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=La6_mTjHt3PjyoP8HDNxLuKd6MMqlZ2CTKSTIwUvQqU&e=> . All CGSIC presentations will be available there for viewing online shortly after the meeting conclusion. As a reminder, all CGSIC meetings are free and open to the public so please plan to join for an interesting couple of days of briefings on the U.S. civil GPS program.

V/R
Rick Hamilton

CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Thursday, August 11, 2016 12:53 PM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: FW: 2016 Public Interface Control Working Group

All CGSIC:

On 5 August 2016 the U.S. Air Force released a Federal Register Notice announcing the 2016 Public Interface Control Working Group and Open forum for the Navstar GPS Public Documents. The forum will be held on 21 and 22 September 2016 for the following documents: IS-GPS-200 (Navigation User Interfaces), IS-GPS-705 (User Segment L5 Interfaces), IS-GPS-800 (User

Segment L1C Interface), ICD-GPS-240 (NAVSTAR GPS Control Segment to User Support Community Interfaces), and ICD-GPS-870 (NAVSTAR GPS Control Segment to User Support Community Interfaces).

The 2016 Interface Control Working Group and Open Forum are open to the general public. The meeting will be held at TASC, 100 N Sepulveda Blvd, El Segundo, CA 90245, The Great Room. Please register by September 7, 2016, to attend and participate.

More information can be found on GPS.gov's site http://www.gps.gov/technical/icwg/meetings/2016/ <https://urldefense.proofpoint.com/v2/url?u=http-3A__www.gps.gov_technical_icwg_meetings_2016_&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=_bFqmz6By8fygzqKSr79J2U3MLTFBB2t0tRaTVp0h74&e=> .

Contact information can be found in the Federal Register Notice https://www.federalregister.gov/articles/2016/08/05/2016-18595/global-positioning-system-directorate-gpsd-meeting-notice. <https://urldefense.proofpoint.com/v2/url?u=http-3A__192.168.1.30_www.federalregister.gov_articles_2016_08_05_2016-2D18595_global-2Dpositioning-2Dsystem-2Ddirectorate-2Dgpsd-2Dmeeting-2Dnotice&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=JoKNQhYYzMjFt0BBRznpgXOadIDoMV_s5MLvdxK73Gg&e=>

V/R

Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----

From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Friday, August 05, 2016 10:31 AM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: Request for Proposal (RFP) for an Evolved Expendable Launch Vehicle (EELV) Launch Service supporting the Global Positioning System (GPS) III-3

All CGSIC:

LOS ANGELES AIR FORCE BASE, Calif. -- The Air Force released a Request for Proposal (RFP) for an Evolved Expendable Launch Vehicle (EELV) Launch Service supporting the Global Positioning System (GPS) III-3 mission scheduled to launch in 2019. The draft RFP was released on June 14 to obtain industry feedback to inform the Final RFP. After extensive industry engagements, the Final RFP was released on Aug. 3 with proposals due back to the Air Force no later than Sept. 19 in accordance with the solicitation instructions. The full article can be read on the Los Angeles Air Force Base website:

http://www.losangeles.af.mil/News/Article-Display/Article/901805/air-force-releases-gps-iii-3-launch-services-rfp
(Note: The af.mil website is no longer carrying the article above, so the link to it has been removed. The URL of the article remains as a matter of showing the entirety of this message.) V/R

Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation
703-313-5930

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-----Original Message-----

From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Tuesday, July 19, 2016 8:39 AM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: FW: Advanced Notification of Future Leap Second

All CGSIC:

Yesterday, 18 July, the Air Force entered, into the GPS MCS, a Future Leap Second to become effective on 31 December 2016. As Navigation Uploads are/were performed over the following ~24 hours, GPS satellites will, one at a time, begin broadcasting this Future Leap Second, along with its date of effectivity and the Current Leap Second count, in accordance with IS-GPS-200. When specific satellites will begin broadcasting the new information will depend on the contact schedule over the next ~24 hours, which is dynamic and subject to real-time operations. When specific users will begin seeing the new information will depend on a number of factors, including satellite visibility and user equipment design.

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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All CGSIC:

The U.S. Coast Guard, the U.S. Army Corps of Engineers (USACE), and the Department of Transportation (DOT) have released a Federal Register Notice announcing a reduction of the Nationwide Differential Global Positioning System (NDGPS). The planned reduction calls for the shutdown and decommissioning of 37 DGPS sites, leaving 46 operational sites available to users in coastal areas. The full notice can be found via this link: https://www.federalregister.gov/articles/2016/07/05/2016-15886/nationwide-differential-global-positioning-system-ndgps.
<https://urldefense.proofpoint.com/v2/url?u=http-3A__192.168.1.30_www.federalregister.gov_articles_2016_07_05_2016-2D15886_nationwide-2Ddifferential-2Dglobal-2Dpositioning-2Dsystem-2Dndgps&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=j2c_hBCFto73n-GHJ8yKWDOqhfCuYGwGV_rBztfpBV8&e=>

Summary: The Nationwide Differential Global Positioning System (NDGPS) service augments GPS by providing increased accuracy and integrity using land-based reference stations to transmit correction messages over radiobeacon frequencies. The service was implemented through agreements between multiple Federal agencies including the United States Coast Guard (USCG), Department of Transportation (DOT), and United States Army Corps of Engineers (USACE), as well as several states and scientific organizations, all cooperating to provide the combined national DGPS utility. However, a number of factors have contributed to declining use of NDGPS. Based on an assessment by the Department of Homeland Security (DHS), DOT, and USACE, the agencies will shut down and decommission 37 DGPS sites, which will leave 46 operational sites available to users in coastal areas. Termination of the NDGPS broadcast at the 37 sites is planned to occur on August 5, 2016.

V/R
Rick Hamilton CGSIC Executive Secretariat GPS Information Analysis Team Lead U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----

From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Tuesday, May 24, 2016 3:02 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: FW: HIGH HORIZONTAL DILUTION OF PRECISION (HDOP) ADVISORY for 26 MAY 2016 – 27 MAY 2016

All CGSIC:

Users of the Global Positioning System (GPS) in the vicinity of southern Chile, southern Argentina, and the Falkland Islands may experience short periods of high HDOP/PDOP (HDOP >6) at various times between 262300Z and 271100Z MAY 2016 due to satellite maintenance (refer to NANU 2016032 below).

Predictions are based on a "Best Four" analysis to illustrate the worst case scenario and are provided for situational awareness only.

Please report any outages through the NAVCEN "Report a GPS Problem" page.
https://www.navcen.uscg.gov/?pageName=gpsUserInput
<https://www.navcen.uscg.gov/?pageName=gpsUserInput>

Open page to view event details:
https://www.navcen.uscg.gov/?pageName=HDOP_Event_May2016

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NOTICE ADVISORY TO NAVSTAR USERS (NANU) 2016032
SUBJ: SVN61 (PRN02) FORECAST OUTAGE JDAY 147/2300 - JDAY 148/1100

1. NANU TYPE: FCSTDV
NANU NUMBER: 2016032
NANU DTG: 201813Z MAY 2016
REFERENCE NANU: N/A
REF NANU DTG: N/A
SVN: 61
PRN: 02
START JDAY: 147
START TIME ZULU: 2300
START CALENDAR DATE: 26 MAY 2016
STOP JDAY: 148
STOP TIME ZULU: 1100
STOP CALENDAR DATE: 27 MAY 2016

2. CONDITION: GPS SATELLITE SVN61 (PRN02) WILL BE UNUSABLE ON JDAY 147 (26 MAY 2016) BEGINNING 2300 ZULU UNTIL JDAY 148 (27 MAY 2016) ENDING 1100 ZULU.

3. POC: CIVILIAN - NAVCEN AT 703-313-5900, https://www.navcen.uscg.gov
MILITARY - GPS OPERATIONS CENTER at HTTPS://GPS.AFSPC.AF.MIL/GPSOC, DSN 560-2541,
COMM 719-567-2541, gpsoperationscenter@us.af.mil, HTTPS://GPS.AFSPC.AF.MIL
MILITARY ALTERNATE - JOINT SPACE OPERATIONS CENTER, DSN 276-3514,
COMM 805-606-3514, JSPOCCOMBATOPS@VANDENBERG.AF.MIL

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead

U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Tuesday, May 03, 2016 1:32 PM
To: Civil Global Positioning System Service Interface Committee (CGSIC)
Subject: CGSIC: CGSIC Agenda in development

All CGSIC:

The U.S. government is pleased to announce preparations for the 56th meeting of the Civil GPS Service Interface Committee (CGSIC). The meeting will be conducted 12-13 September at the Portland Convention Center in Portland Oregon in conjunction with the Institute of Navigation's ION GNSS+ meeting. All CGSIC meetings are free and open to the public. Please join us for important briefings on the status of ongoing Global Positioning System programs with a Keynote Address by Brigadier General Stephen Whiting, Director of Air Force Integrated Air, Space, Cyberspace and ISR Operations. The CGSIC agenda in development can be found at: http://www.gps.gov/cgsic/meetings/2016/
<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.gps.gov_cgsic_meetings_2016_&d=BQICAg&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=rHXZZBwYoRKAIcQcsXgtgMyCnXBzA8oMzs5-7OJPG-M&s=oVmfZXy-223Q7bldHhbzJiPWPg5gqhIkk7pFFerZkjM&e=>

V/R

Rick Hamilton
Civil Global Positioning System Service Interface Committee (CGSIC) Executive Secretariat GPS Information Analysis Team Lead U.S. Coast Guard Navigation Center
703-313-5930

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Civil Global Positioning System Service Interface Committee (CGSIC) cgsic at cgls.uscg.mil
<mailto:cgsic%40cgls.uscg.mil?Subject=Re%3A%20CGSIC%3A%20%28no%20subject%29&In-Reply-To=%3Cmailman.350.1460138785.5224.cgsic%40cgls.uscg.mil%3E>
Fri Apr 8 13:58:24 EDT 2016

All CGSIC:

On 7 April 2016 the U.S. Department of State released the following notice.

START NOTICE

Korean Peninsula GPS Jamming Notice
A continuing series of incidents have been reported in the general location of Incheon, Republic of Korea and the surrounding Gyeonggi and Gangwon provinces out to approximately 100 nautical miles beginning on or about 0000Z31March16. The nature of the events appear to be Global Positioning System (GPS) jamming emanating from the Democratic People's Republic of Korea causing signal disruptions to airplanes, ships, and buoys in the area. Exercise caution when transiting this area. If appropriate, further information may be forthcoming. Vessels experiencing disruptions in the area are urged to report them to the point of contact (POC) below.

POC:

CIVILIAN - NAVCEN AT 703-313-5900, https://www.navcen.uscg.gov MILITARY - GPS OPERATIONS CENTER at https://gps.afspc.af.mil/gpsoc DSN 560-2541, COMM 719-567-2541, gpsoperationscenter at us.af.mil, https://gps.afspc.af.mil MILITARY ALTERNATE - JOINT SPACE OPERATIONS CENTER, DSN 276-3514, COMM 805-606-3514, jspoccombatops at vandenberg.af.mil
<http://cgls.uscg.mil/mailman/listinfo/cgsic>

END NOTICE

V/R
CGSIC Executive Secretariat
U.S. Coast Guard Navigation Center
703-313-5900

V/R
CGSIC Executive Secretariat
U.S. Coast Guard Navigation Center
703-313-5900

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CGSIC: FW: Recent global GPS equipment problem Civil Global Positioning System Service Interface Committee (CGSIC) cgsic at cgls.uscg.mil
<mailto:cgsic%40cgls.uscg.mil?Subject=Re%3A%20CGSIC%3A%20FW%3A%20Recent%20global%20GPS%20equipment%20problem&In-Reply-To=%3Cmailman.577.1455740522.5225.cgsic%40cgls.uscg.mil%3E>
Wed Feb 17 15:21:58 EST 2016

All CGSIC:

It has been determined that the event referenced by GPS NANU 2016012 was
not a GPS time transfer anomaly but a user equipment issue. GPS users that
continue to experience problems are encouraged to contact their equipment

manufacturer for assistance.

V/R

Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil <mailto:cgsic-bounces@cgls.uscg.mil>] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Tuesday, February 16, 2016 2:23 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: FW: Final GPS IIF Satellite Joins GPS Constellation

All CGSIC:

Schriever Air Force Base
16 February 2016

The 50th Space Wing accepted satellite control authority of the final Global Positioning System GPS IIF satellite from the GPS Directorate during a ceremony held Feb. 12 at Schriever Air Force Base, Colorado. Following its launch from Cape Canaveral Air Force Station, Florida, Feb. 5, operators from the 50th and 310th Space Wings completed an extensive checkout of the satellite before placing it into its assigned orbital slot in the GPS constellation. This satellite is the 12th and last of the IIF satellite launches.

GPS IIF-12 (SVN-70) will replace the legacy SVN-41, which will be moved to another location and provide auxiliary support to the GPS constellation. The oldest GPS satellite in the constellation, SVN-23, has been removed from the broadcast almanac to make room for GPS IIF-12. Launched Nov. 26, 1990, SVN-23 was decommissioned after 25 years of service prior to the launch of GPS IIF-12.

Read the full article:
http://www.schriever.af.mil/news/story.asp?id=123468991
(Note: The af.mil website is no longer carrying the article above, so the link to it has been removed. The URL of the article remains as a matter of showing the entirety of this message.)

V/R

Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

==========

-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil <mailto:cgsic-bounces@cgls.uscg.mil>] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Thursday, February 04, 2016 12:45 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: FW: Air Force Ready to Launch Final GPS IIF-Series Satellite

All CGSIC:

Air Force Ready to Launch Final GPS IIF-Series Satellite

The U.S. Air Force and its mission partners are set to launch the 12th and final Boeing-built Global Positioning System GPS IIF satellite aboard a United Launch Alliance Atlas V 401 Evolved Expendable Launch Vehicle. Liftoff is scheduled for Feb. 5 from Space Launch Complex 41, Cape Canaveral
Air Force Station, Florida. The launch window opens at 8:38 a.m. EST (5:38 a.m. PST) and will remain open for 19 minutes.

Read the entire article here:
http://www.losangeles.af.mil/news/story.asp?id=123468289 <http://www.losangeles.af.mil/news/story.asp?id=123468289>

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil <mailto:cgsic-bounces@cgls.uscg.mil>] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Wednesday, January 27, 2016 8:13 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: FW: Official Press Release - GPS Ground System Anomaly

All CGSIC:

Air Force Official Press Release - GPS Ground System Anomaly

On 26 January at 12:49 a.m. MST, the 2nd Space Operations Squadron at the 50th Space Wing, Schriever Air Force Base, Colo., verified users were experiencing GPS timing issues. Further investigation revealed an issue in the Global Positioning System ground software which only affected the time on legacy L-band signals. This change occurred when the oldest vehicle, SVN 23, was removed from the constellation. While the core navigation systems were working normally, the coordinated universal time timing signal was off by 13 microseconds which exceeded the design specifications. The issue was resolved at 6:10 a.m. MST, however global users may have experienced GPS timing issues for several hours. U.S. Strategic Command's Commercial Integration Cell, operating out of the Joint Space Operations Center, effectively served as the portal to determine the scope of commercial user impacts. Additionally, the Joint Space Operations Center at Vandenberg AFB has not received any reports of issues with GPS-aided munitions, and has determined that the timing error is not attributable to any type of outside interference such as jamming or spoofing. Operator procedures were modified to preclude a repeat of this issue until the ground system software is corrected, and the 50th Space Wing will conduct an Operational Review Board to review procedures and impacts on users. Commercial and Civil users who experienced impacts can contact the U.S. Coast Guard Navigation Center at (703) 313-5900.

V/R
Rick Hamilton
CGSIC Executive Secretariat
GPS Information Analysis Team Lead
U.S. Coast Guard Navigation Center
703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil <mailto:cgsic-bounces@cgls.uscg.mil>] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Tuesday, January 26, 2016 2:20 PM
To: cgsic@cgls.uscg.mil
Subject: CGSIC: GPS timing issues

All CGSIC:

GPS timing issues have been reported from some user communities to the U.S. Coast Guard Navigation Center (NAVCEN) over the last 12 hours. As a reminder, if you continue to experience problems, please report them immediately to NAVCEN.
Navigation Information Service Watch: 703-313-5900 Online GPS problem report form:
https://www.navcen.uscg.gov/?pageName=gpsUserInput
<https://www.navcen.uscg.gov/?pageName=gpsUserInput>

V/R
Rick Hamilton
CGSIC Executive Secretariat
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703-313-5930

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-----Original Message-----
From: CGSIC [mailto:cgsic-bounces@cgls.uscg.mil <mailto:cgsic-bounces@cgls.uscg.mil>] On Behalf Of Civil Global Positioning System Service Interface Committee (CGSIC)
Sent: Friday, January 22, 2016 12:46 PM
To: 'cgsic@cgls.uscg.mil'
Subject: Next GPS Satellite Launch

All CGSIC:

In February, the Air Force plans to launch the twelfth, and last, satellite in the Block IIF series of modernized GPS spacecraft. The Air Force has produced 12 IIF satellites, featuring new clocks, new civil and military signals, and other upgrades for enhanced accuracy and robustness. Currently, there are 31 GPS satellites in operational service, including 11
Block IIF satellites and 20 spacecraft from previous generations. To learn
more about the GPS constellation, go to www.GPS.gov
<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.GPS.gov&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=i8lE1838KB8orobyMmJ5Koffn0GJ0zKOTLzkVUIWsqA&e=>
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Date/Site/Launch Time: Wednesday, Feb. 03, 2016, from Space Launch Complex-41 at Cape Canaveral Air Force Station, Florida. 18 minute launch window opens at 1347Z, 0847 EST.

Rocket/Payload: A United Launch Alliance Atlas V 401 will launch the GPS IIF-12 mission for the U.S. Air Force.

Launch Updates: To keep up to speed with updates to the launch countdown,

dial the ULA launch hotline at 1-877-852-4321 or join the conversation at www.facebook.com/ulalaunch <https://urldefense.proofpoint.com/v2/url?u=http-3A__www.facebook.com_ulalaunch&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=i2JDrdE4Tgs3j7SGTvmdhx4HK_LS_Km3kkhOjDWbJV0&e=> , twitter.com/ulalaunch <https://urldefense.proofpoint.com/v2/url?u=http-3A__twitter.com_ulalaunch&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=VO5lunXv3R2Zu7faJIbgSDT0kco_j3atLvYo8u9AgCM&e=> and instagram.com/ulalaunch <https://urldefense.proofpoint.com/v2/url?u=http-3A__instagram.com_ulalaunch&d=DwMFaQ&c=0NKfg44GVknAU-XkWXjNxQ&r=1H7PqxfYaSK58qC4GflE_Cw3oe0FpHNSOdkevv9VjB8&m=nBHgsSZCCTKokkbph4t-vW3PtOrjPzwCFAjkLko_5W0&s=yWc_ZUjcA-lNVbV52Hr1Rls87JcsLpGLpR402leo8y8&e=> ; hashtags #GPSIIF12 and #AtlasV.

Constellation Changes: The Air Force Second Space Operations Squadron (2SOPS) indicates that IIF-12, SVN-70/PRN-32, will replace SVN-41/PRN-14 in the F plane slot F1. SVN-23/PRN-32 (IIA-10) will be taken out of the operational constellation prior to SVN-70 launch and sent to Launch, Anomaly, Resolution, and Disposal Operations (LADO). PRN-04 is tentatively scheduled for assignment to the first of the new generation of GPS-III satellites, available for launch sometime in 2017. SVN-23, launched on 26 November 1990, has been an "Iron Bird" workhorse in the E-plane and has successfully served the world's GPS users for over 25 years. This is over 18 years past its designed service life, having operationally outlasted (and in many cases, outperformed) its peers on-orbit due to the diligent efforts of the men and women of the U.S. Air Force. SVN-41 will be re-phased from the F1 location to a newly defined F7 node (GLAN = 45°) once SVN-70 is set healthy.

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Sent: Wednesday, January 06, 2016 10:03 AM

To: cgsic@cgls.uscg.mil
Subject: CGSIC: 2015 in Review: Year of the GPS

All CGSIC:

    An Air Force article worth repeating:

2015 in Review: Year of the GPS
Schriever Air Force Base
4 January 2016

Throughout the years, GPS has achieved historic milestones and garnered recognition for its contributions to the betterment of humanity.

2015 was no different.

GPS, operated by the dedicated men and women of the 2nd and 19th Space Operations Squadrons at Schriever Air Force Base, Colorado, is also the world's largest military satellite constellation. Uses of GPS include precise timing for financial transactions, search and rescue, communications, farming, recreation and both military and commercial aviation.

The 2 and 19 SOPS, referred to as Team Black Jack, hosted GPS Week Feb. 15-20 to honor their heritage and interact directly with the Colorado Springs community. The week included a community geo-caching event, GPS/base tours for dozens of middle and high school students, 2 SOPS educational outreach events at local schools and culminated with a GPS heritage celebration.

"We wanted to touch the different facets of our community and that's why we
planned these events," said Tech. Sgt. Abifarin Scott, 2 SOPS GPS maintenance flight chief.

GPS received historic recognition from the city of Colorado Springs a few months later. Colorado Springs City Council members presented a proclamation declaring July 17, 2015, GPS Day during a ceremony July 15.

"It's a great time, a significant milestone that [GPS] has been active this
long," said Andy Pico, Colorado Springs City Council member. "GPS has grown
to be such a tremendous part of everybody's lives, it runs everything...it's
so much into the fabric of everybody's life."

The proclamation came as the Air Force celebrated GPS's 20 years of full operational capability, confirmed July 17, 1995. During the last 20 years, GPS has become an integral part of technology that affects the lives of billions of people around the world.

The men and women of GPS stayed busy supporting many operations throughout the year.

The Air Force and the 45th Space Wing supported the successful launch of a United Launch Alliance Delta IV rocket that roared to life March 25, carrying the Air Force's ninth Block IIF-09 navigation satellite for the GPS.

2 and 19 SOPS accepted satellite control authority of GPS IIF-9 Satellite Vehicle Number-71 April 3.

2 SOPS successfully completed a transfer operation of GPS satellite control
authority to the Alternate Master Control Site at a backup location on June
6.

2 and 19 SOPS accepted command and control of the 10th GPS Block IIF satellite July 24.

After 15 years of launch operations for the GPS, 19 SOPS completed their 26th launch as a squadron Oct. 31, performing checkout operations on the 11th GPS IIF satellite.

On Nov. 6, Team Black Jack accepted SCA just six days after the Halloween launch of satellite vehicle number-73 - in record time. Members of Team Black Jack prepped for the launch and subsequent SCA acceptance of SVN-73 for approximately three months.

The Command's GPS operations were showcased in multiple venues this year, engaging with communities and making the mission known all over the world. CBS featured the 50th Space Wing and GPS on an episode of 60 Minutes, and BLUE, the Air Force's flagship TV show, also featured GPS - both of which displayed the capabilities it offers to humanity.

Beyond its essential capability for the military, GPS is a worldwide utility
that provides the highest accuracy data available to people all around the world and enables such vital activities as weather forecasting, transportation, global commerce and farming/agriculture.

"2 SOPS's continuing objective is to ensure GPS remains the gold standard for global space-based navigation and timing by providing highly reliable and accurate GPS signals to users around the world," said Lt. Col. Todd Benson, 2 SOPS Commander. "We look forward to continuing to provide our mission partners and global users with the most accurate position, navigation and timing signal available in the history of GPS."

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