

[Virtual Library] HP <http://www.space-library.com> ミルスペース 080329 をアーカイブにアップ

DefenseNews080324, 080317, 080310, AW&ST080324, AerospaceAmerica0803, SpaceFlight0804, Smithsonian Air & Space0805 をアップ。

[スベ - スライブラリ近況] 広さの面ではまだゆとりがあります。



2008/4/4 00:56 [Technobahn]

ESA の宇宙輸送船「ジュール・ベルヌ」、国際宇宙ステーションにドッキング

欧州宇宙機関 (ESA) の宇宙輸送船 (ATV) 「ジュール・ベルヌ」はグリニッジ標準時で 2 日午後、国際宇宙ステーション (ISS) に自動ドッキングに成功。この日、ジュール・ベルヌは ISS から約 39 キロ離れた空間から ISS にドッキングするための最終アプローチに入り、約 4 時間をかけ ISS に接近。最終的に午後 2 時 45 分にズヴェズダ・モジュールのソユーズ宇宙船用ドッキング・ポートに無事ドッキング成功。ジュール・ベルヌは、直径 4.5m、高さ 10.3m 円柱状をした ISS への物資輸送を目的として開発された宇宙輸送船。単体宇宙船としてアポロ宇宙船を上回り、過去最大容積を誇る。ESA ではジュール・ベルヌのこの巨大スペースを利用し今後、1 年に 1 回のペースで水、燃料、食料などを始めとする 7.5 トンにも及ぶ補給物資を地上 400 キロの周回軌道上にある ISS まで輸送予定。ESA ではジュール・ベルヌを ISS への物資運搬用の単な

る輸送船としてだけでなく、より本格的宇宙開発応用も予定しており、今後、ジュール・ベルヌを核に有人宇宙開発が本格化しそう。



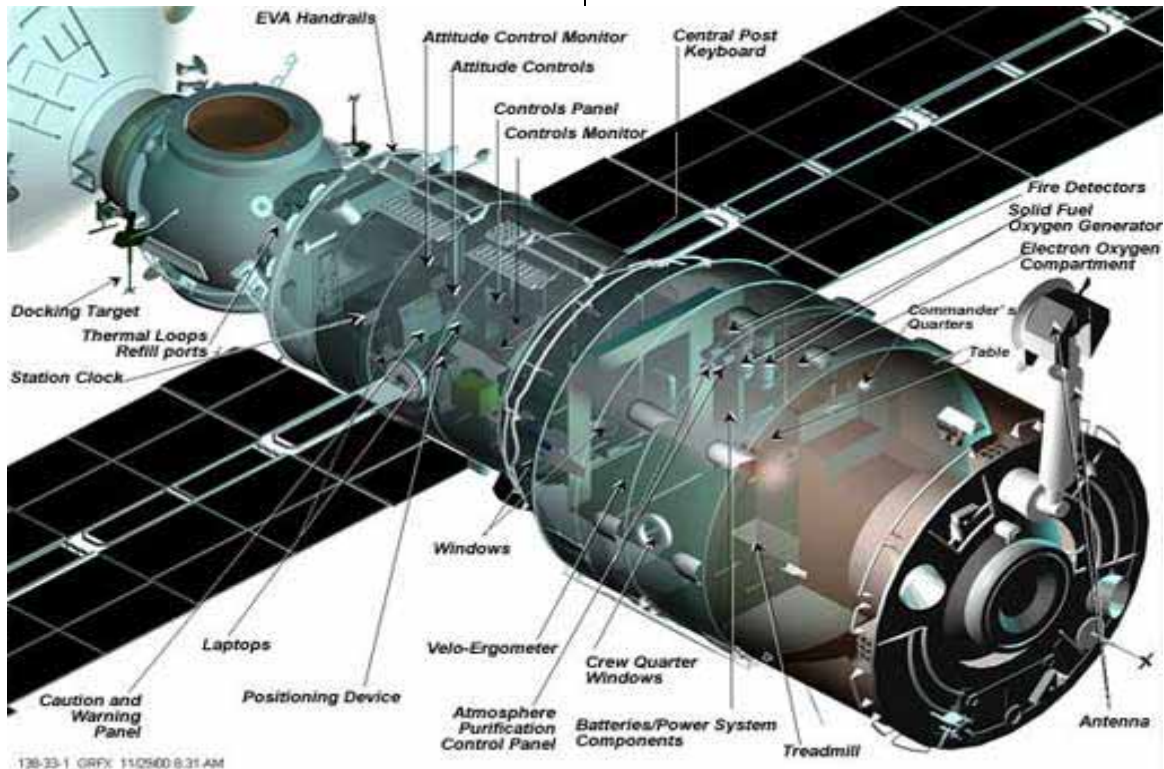
2008/4/1 20:56 [Technobahn]

ゼニスとナディアとジュールベルヌ、複雑な ISS のドッキングポート構成



(上)は3月31日、欧州宇宙機関 (ESA) が公表した国際宇宙ステーション (ISS) のズヴェズダ・モジュールにあるソユーズ宇宙船用ドッキングポートから撮影された ESA 宇宙輸送船 (ATV: Automated Transfer Vehicle) 「ジュール・ベルヌ (Jules Verne)」を正面から撮影した映像。ジュール・ベルヌはロシア技術供与によって実現したソユーズ宇宙船と同一ドッキングポートと、ドッキング用オートメ技術が搭載されており、2日まではドッキング失敗を想定した緊急回避行動実験を行った上で、3日にもズヴェズダ・モジュール (画像下参照) とのドッキングを実施予定。ズヴェズダ・モジュールはザーリヤ (基本機能モジュール)、ユニティ (他モジュール接合用モジュール) に続いて打上げられた ISS 基幹モジュールの一つ。居住空間、生命維持装置、軌道制御用ロケットエンジン、共通結合機構 (Common Berthing Mechanism) と呼ばれるモジュール接合用の基本ドッキングポート、ソユーズ宇宙船とのドッキング用のゼニス・ドッキング・ポート (Z-DP) とナディア・ドッキング・ポート (N-DP) を装備

しており、当初はここが唯一の居住モジュールだった。ちなみにゼニスとナディアは人名ではなく、ゼニス = 天頂、ナディア = 天底を意味する天文学用語。ソユーズ宇宙船 (ジュール・ベルヌも同じ) には Z-DP が装備されており、Z-DP は母船用の N-DP と接続が可能。換言すれば、Z-DP、N-DP の両方を装着している場合には相互に宇宙船を連結して接続させることが可能で、ISS のモジュールは用途に応じ、モジュール接続用の基本ドッキングポート、Z-DP、N-DP を装備している。ソユーズ宇宙船のこのドッキングポートの技術は開発された当初は非常に単純なものだったが、ロシア (当時はソ連) はミール宇宙ステーションを維持するために、このドッキングポートに無人宇宙船 (プログレス宇宙船) を自動でドッキングさせる技術を開発した。この自動ドッキング技術は現在の ISS を維持するには無くては欠かせない最も重要な技術となっている。母船側の N-DP の上下にはドッキング制御用のドッキング・ターゲットと呼ばれる標的板と宇宙船とのデータ中継用のアンテナ、光学カメラが設置されており、ソユーズ型宇宙船 (この場合、ソユーズ、プログレス、ATV の 3 種の宇宙船) はこれら機器を利用しながらドッキングを行う。もちろん、無人のジュール・ベルヌが ISS とドッキングできるのもこの自動ドッキング技術を搭載しているためとなる。このジュール・ベルヌという宇宙船。ESA が誇る宇宙船となつてはいるものの、このように基幹部分は口の技術供与が特徴。米は一国主義の宇宙開発を進めてきているのに対し、ESA は元々、欧州諸国から構成される複数国家による統合組織。ESA は口との連携を深め米の独走体制が続いてきた宇宙開発競争に改めて、挑戦を仕掛けることに。



<http://www.technobahn.com/cgi-bin/news/read2?f=200804012056&page=2>

[JAXAPR:0609] 国際宇宙ステーション搭乗宇宙飛行士候補者の募集開始

http://www.jaxa.jp/press/2008/03/20080331_select2008_i.html

1. 採用人数 3名以内
2. 応募受付: 平成20年4月1日(火)から6月20日(金)まで(当日必着)
3. 応募資料: <http://iss.jaxa.jp/astro/select2008/index.html>
4. 問合せ: JAXA 筑波宇宙センター内 宇宙飛行士募集係
電話: 029-868-3793/3794(平日 10:00 ~ 12:00, 13:00 ~ 17:00) E-mail: select2008@jaxa.jp

2008年4月3日 5:03 Friends of Futron

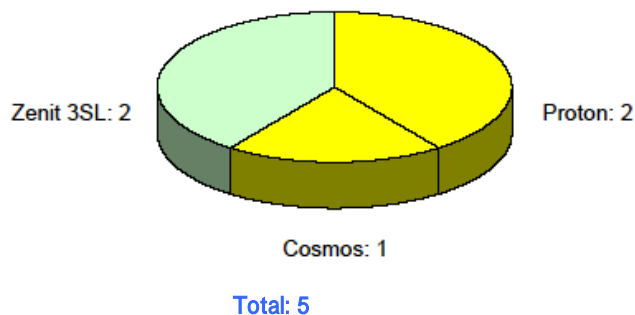
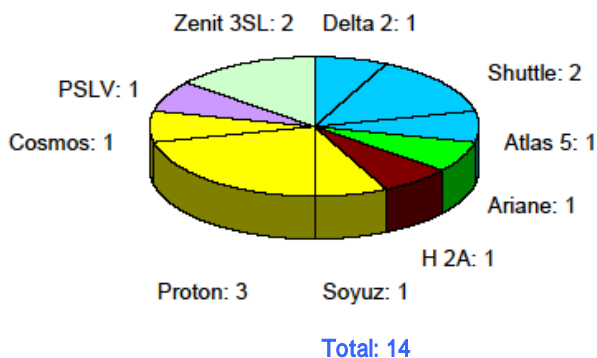
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
March 19 – April 30			19 Sea Launch DirecTV 11 (Comm.) Zenit 3SL	20	21	22
			23	24	25	26
30	31	1	2	3	4	5
6	7	8 Baikonur Soyuz ISS 16S (ISS) Soyuz	9	10	11	12
13	14 VAFB ICO G1 (Comm.) Atlas 5 411	15 Kwajalein C/NOFS (Science) Pegasus XL	16	17	18 Kourou Star One C2 and Vinasat (Comm.) Ariane 5 ECA	19
20	21 Satish Dhawan Cartosat-2A (Remote Sensing) and secondaries PSLV	22	23	24 Baikonur Amos 3 (Comm.) Zenit 3SLB	25	26 Baikonur GIOVE B (Navigation) Soyuz
27	28	29	30			

Legend: ■ USA ■ Russia ■ Japan ■ Europe ■ Multinational ■ China ■ India ■ Israel ✓ Success ✗ Failure P Partial Failure C Commercial

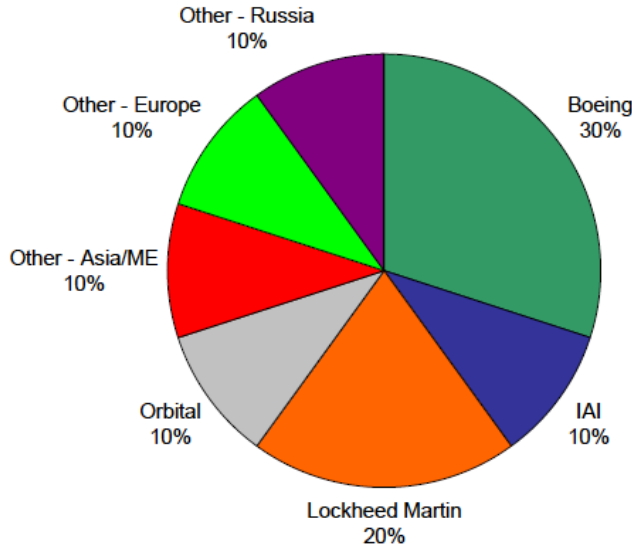
2008 Orbital Launches

2008 Orbital Commercial Launches

by Launch Vehicle Family



Manufacturer Market Share of Satellites Launched Through March 31, 2008



Manufacturer	Number	Share
Ball Aerospace	0	0%
Boeing	3	30%
EADS Astrium	0	0%
IAI	1	10%
ISRO	0	0%
Lockheed Martin	2	20%
Mitsubishi	0	0%
Northrop Grumman	0	0%
Orbital	1	10%
Spectrum Astro	0	0%
SS/L	0	0%
Surrey	0	0%
Thales Alenia	0	0%
Other - Americas	0	0%
Other - Asia/ME	1	10%
Other - Europe	1	10%
Other - Russia	1	10%
Other - US	0	0%
Total	10	

2008年4月2日 人民網日本語版

国産の無人航空機が北京展覧館に登場

「2008年中国国際国防電子展」が1日、北京展覧館で開幕。なかでも、南京耐威航電科技有限公司が開発した国産エンテ型無人航

空機は来館客の注目を集めた。(編集KA)

「エンテ型」: 主翼前方に前翼を持つ形態の飛行機。



http://j.peopledaily.com.cn/2008/04/02/jp20080402_86242.html

2008年3月31日 15:03 TSB - NewsLetter March 2008

Telenor Satellite Broadcasting <telenor.tsb.newsletter@cc2.no>

NEWS

THOR 5 successfully launched

Euro 2008 kick-off

1° West continues to draw CEE appeal

Fresh start for Formula 1

Digital cinema for Occasional Use

<http://www.telenorsbc.com/>

Success at CABSAT

Welcoming new channels to 1° West

INDUSTRY SPOTLIGHT

Baikonur and beyond - Chris Wynn

無人機プラットフォームとエアクルーの需要が増大中

Demands on UAV platforms, aircrews increasing

UAV POPULARITY: Life is getting rougher for U.S. Air Force unmanned aerial vehicle (Predator, Reaper, Global Hawk)

aircrews. A standard assignment has... . . .

C4I 市場は 9/11 関連作業が減るにつれ縮小とアナリスト予測

C4I market dwindling as 9/11 efforts ramp down, forecast says

C4I CORRECTION: After peaking in 2008, the worldwide C4I market is now in the beginning of the predicted "market

correction" with several 9/11-inspired... . . .

GAO 会計検査院は DOD の対 IED グループの内部コントロールを批判

GAO criticizes internal controls of DOD's Anti-IED group

JIEDDO CRITIQUED: The Pentagon's special group tasked with finding and speeding billions of dollars worth of anti-improvised

explosive device (IED) te... . . .

空軍長官はサイバークマンド基地のプロセスに地域の自治体に参加を呼びかけ

SecAf invites local government to join cyber command basing process

CYBER HOME: U.S. Air Force Secretary Michael Wynne has invited the governors and communities of 18 states interested in

hosting the new Air Force Cybe... . . .

2017 年までに世界ではほぼ 7,000 輛の戦車が \$28B で製造されるとアナリスト予測

World to make almost 7,000 main battle tanks for \$28B by 2017, forecast says

BATTLE TANKS: Analysts at consultancy Forecast International expect the international market to produce over 6,900 main

battle tanks, worth nearly \$27... . . .

ブッシュとプーチンはミサイル防衛で合意を試みる予定

Bush and Putin to try to agree on missile defense

AGREEING TO AGREE: U.S. President Bush and Russian President Putin haven't agreed on much in recent years,

especially over missile defense, but the tw... . . .

大学は研究の計測に関して DOD から \$49.3M を得る予定

Universities to receive \$49.3 million from DOD for research instrumentation

RESEARCH EQUIPMENT: DOD will award \$49.3 million to academic institutions to support the purchase of research

instrumentation. The 210 awards to 98 ac... . . .

省庁内で、より安全な連邦の IT 出費を求めるとその筋は述べる

Seek safer federal IT spending within agencies, Input says

SLOWING I.T.: With the Bush administration's last budget forecasting declining discretionary spending through fiscal 2013,

under compound annual growth... . . .

ボーイングは Global Aeronautica の Vought のシェアを取得予定

Boeing will acquire Vought share of Global Aeronautica

BOEING ACQUIRES: Following the successful navigation of regulatory hurdles, Boeing will acquire Vought Aircraft Industries'

interest in Global Aeronau... . . .

Tiger チームは Ares I の振動問題は修正可能なことが判る

Tiger team finds Ares I stage vibration problem is fixable

Crew performance is the limiting factor in a worrisome thrust oscillation linkage between the solid-fueled first stage of NASA's

planned Ares I launch... . . .

議会は最終的な国家宇宙安全保障戦略を推し進めることができよう

Congress could push for final National Space Security Strategy

Congressional auditors at the Government Accountability Office (GAO) are sounding an alarm that the Bush administration never

issued a National Securi... . . .

SARLupe X バンド レーダ衛星 4号機が打上げられた

Fourth SARLupe X-ray spacecraft launched

PARIS - Germany's SARLupe radar satellite constellation has moved a step closer to full operating capability with launch of its

[編注] X-ray はミスプリ

fourth satellite.... . . .

火星予算の削減の意見の食違いが Alan Stern 辞任の原因に

Disagreement over Mars budget cuts preceded Stern's departure

Squabbling over budget cuts in the Mars program apparently led Alan Stern, NASA's hard-charging associate administrator for

science, to resign from th... . . .

土星の衛星 Enceladus 内部は彗星に似ている

Enceladus interior resembles comets

Saturn's bizarre moon Enceladus is a little more mysterious after the recent Cassini flyby found it to be remarkably like a comet in

its internal chem... . . .

非米国の設計が軍事ヘリの市場をドライブするだろうとアナリストは予測

Non-U.S. designs will drive military helo market, forecast predicts

Forecast International (FI) projects that a total of 3,706 medium/heavy military rotorcraft will be produced from 2008

through 2017, worth \$84 billion... . . .

ガンマ線バーストは記録上のもっとも遠方の肉眼で見える物体

Gamma ray burst most distant naked-eye object on record

Astronomers are analyzing a brilliant gamma ray burst that took place an estimated 7.5 billion years ago, yet was still so bright it

could be seen wit... . . .

レイセオンは BMDS テストと運用の並行を強化するため\$23M を得る

Raytheon gets \$23M to boost BMDS testing-operational concurrency

MDA TESTING: Raytheon said March 27 that the U.S. Missile Defense Agency awarded it a \$22.9 million contract modification

to develop an initial Concur... . . .

Aerospace Daily & Defense Report Mar 28, 2008

今年 F-22 が中東に配備されるかもしれない

F-22s may deploy to Middle East this year

The F-22 Raptor could be going to war this year - or at least operate around its fringes, according to the four-star general

directing the U.S. fight... . . .

ACC エアコンバット・コマンドの司令官は Guam の B-2 が失速して左旋回したと述べる

ACC boss says Guam B-2 stalled and rolled left

The only B-2 bomber to have crashed did so after it "rotated early, rotated excessively, stalled and then dragged the left wing

tip," says Gen. John C... . . .

Endeavour は天候の影響で軌道一周プラスして着陸

Endeavour lands an orbit later after weather wave-off

The space shuttle Endeavour returned home to Kennedy Space Center (KSC) March 26 after 16 days in space, 12 of them

docked to the International Space... . . .

Endeavour が戻って、ATV が ISS に接近を開始

With Endeavour down, ATV starts maneuvering to ISS

With Endeavour's landing the way is clear for the European Space Agency's (ESA) first Automated Transfer Vehicle (ATV) to

begin a series of maneuvers... . . .

次世代爆撃機の最初の反復は有人になると ACC エアコンバット・コマンドの司令官は述べる

First iteration of next-gen bomber will be manned, ACC chief says

With pressure on the U.S. Air Force to produce a technologically advanced, next-generation bomber by 2018, the likelihood is that

the first iteration... . . .

ツイン Jason の後継衛星に関する欧州の計画は NOAA を寒々とした所に置き去りに

Europe's plan for twin Jason follow-on leaves NOAA in the cold

A European plan to ensure the longevity of the Jason altimetry satellite system could endanger future cooperation with the U.S.,

program, officials fe... . . .

NATO はウクライナとジョージアの加盟のアクションプランに関し分裂

NATO split over Ukraine, Georgia membership action plan

With its most-important summit in recent memory less than a week away, NATO appears to be split on whether Georgia and

Ukraine should be allowed to ta... . . .

米 XCOR 社が発表した観光用サブオービタルスペースプレーン

画像は米 XCOR 社が今月 26 日に発表した宇宙観光旅行用のサブ・オービタル・スペース・プレーン「Lynx(リンクス)」。1 回 20 万 ~ 25 万ドル(約 2000 万 ~ 2500 万円)の旅費を支払ってサブ・オービタル・スペース・プレーンを使って高度 100 キロ前後の宇宙まで到達する宇宙観光旅行は年間 5 億ドル(約 500 億円)にも達する需要があると見積もられており、同社でも今回発表したリンクスを使って宇宙観光事業に新規参入を見込むとしている。XCOR 社は NASA の次世代有人宇宙船にも搭載予定のメタンを使った次世代型液体ロケットエンジンの開発を行っている先端企業。同社では既に、米空軍研究所と共同で今回発表したサブ・オービタル・スペース・プレーンと非常によく似たロケットプレー

[編注] XCOR Lynx suborbital vehicle animation:

<http://www.youtube.com/watch?v=3a-l1tb1rPg&eurl=http://www.technobahn.com/news/2008/200803311045.html>

Aerospace Daily & Defense Report Mar 27, 2008

XCOR は Lynx サブオービタル宇宙機に関する計画を公表

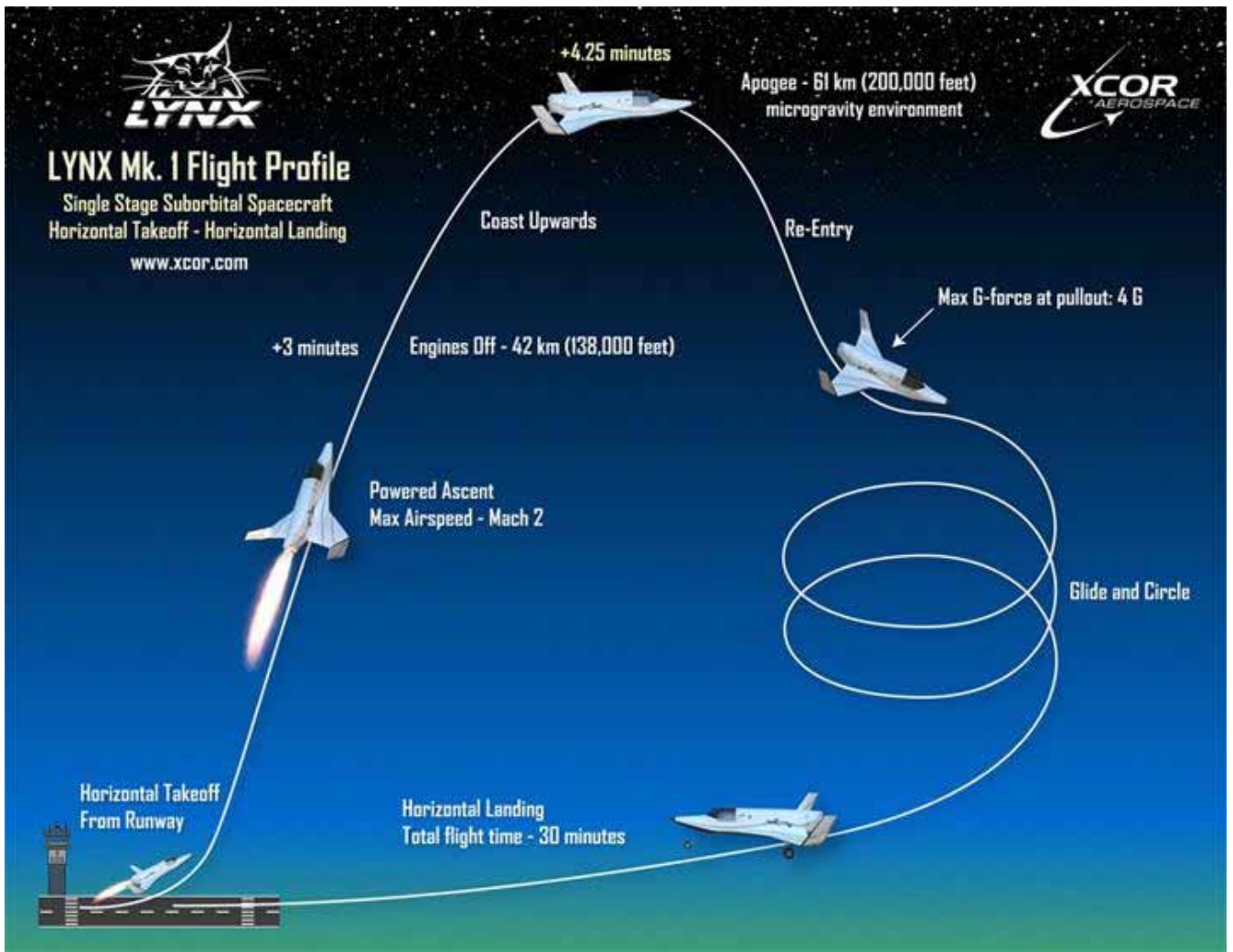
XCOR unveils plans for Lynx suborbital spacecraft

LOS ANGELES - XCOR Aerospace has thrown its hat into the space tourism ring by announcing plans to develop a two-seat,

ンの開発を行うことを昨年 4 月に発表しており、今回発表されたものはゼラウスの民生版といった位置付けとなっている。XCOR 社では 2 年で開発を終了させ、2010 年からの運用開始を予定。



sub-orbital spacecraft called t... . . .



NASA のサイエンス・チーフ Alan Stern が辞職

NASA science chief Alan Stern resigns

Alan Stern, NASA's hard-charging associate administrator for science, abruptly resigned from the agency March 25.... . . .

戦闘機のグローバル市場が増加間近かとレポートは述べる

Global fighter market ready to take off, report says

The next decade promises strong financial tailwind for the international fighter market, according to a new study that

predicts manufacturers will del... . . .

防衛の担当者は MUOS 宇宙機の後継開始を承認

Defense officials give go-ahead for follow-on MUOS spacecraft

Lockheed Martin said the U.S. Navy and the Defense Department have given its Mobile User Objective System (MUOS) industry

team, which includes General... . . .

カナダの Halifax 近代化計画はセンサの変更に注視

Canada's Halifax Modernization Program eyes sensors changes

HALIFAX PROGRAM: The Canadian navy, which like U.S. counterparts is updating to Evolved SeaSparrow (ESSM)

self-defense missiles on its Halifax-class s... . . .

ICO 社は Atlas V で打上げる準備をする

ICO prepares for launch on Atlas V

ICO Global Communications is making final preparations for an April 14 launch of its first 2 GHz mobile service satellite aboard

an Atlas V.... . . .

General Dynamics は米海軍からデータネットワークシステムで\$375M を受取る

General Dynamics receives \$375M from U.S. Navy for data network system

TACTICAL DATA: General Dynamics received a \$375 million contract from the U.S. Navy for its Tactical Data Network Data

Distribution System-Modular (TD... . . .

2008 年 3 月 29 日 人民網日本語版

日本初のジェット旅客機「MRJ」が事業化

三菱重工業は 28 日、日本初の国産ジェット旅客機「MRJ(ミツビシ・リージョナル・ジェット)」事業化を発表。すでに全日空が発注したという。

新華社ウェブサイト「新華網」が伝えた。(編集 K A) 写真:東京で行われた記者会見で「MRJ」模型を紹介する三菱重工佃和夫社長



http://j.peopledaily.com.cn/2008/03/29/jp20080329_86050.html

2008/3/29 19:27 [Technobahn]

崩壊を開始した南極のウィルキンス棚氷の衛星画像

画像は台湾の地球観測衛星「Formosat-2」によって今月 8 日に撮影された南極のウィルキンス棚氷(Wilkins Ice Shelf)の崩壊部分の拡大画像。ウィルキンス棚氷は南極の南極半島部分にある棚氷。棚氷はその性質上、融けるということはないが、今年の 2 月になってから突然、40 キロにわたった亀裂が入り、亀裂から先の部分が南極海に流出するという事態が発生した。亀裂が入ったことにより流出した部分は千葉県の房総半島と同じ程度の広大な面積であるということもあり、ウィルキンス棚氷の崩壊は、地球温暖化の進行は南極の棚氷にも影響を及ぼし始めたとして研究者の間では非常に深刻に受け止められている。画像提供:Dr. Cheng-Chien Liu, National Cheng-Kung University and Dr.

An-Ming Wu, National Space Organization, Taiwan.



<http://www.technobahn.com/news/2008/200803291927.html>

STS-123 NASA TV 画像から



Doi



Griffin



Mamiya

Created: Friday, March 28, 2008 9:04 AM EDT kpcnews.com

宇宙エレベータの父が IPFW で講演

Father of space elevator to speak at IPFW

In a study he conducted for NASA, Brad Edwards projected a space elevator would cost \$10 billion to build. But it could reduce the cost of getting a payload into a geostationary orbit to \$200 per kilogram from \$20,000 per kilogram. The former director of the Institute for Scientific Research in Fairmont, W.V., will discuss his thoughts on the subject in a keynote address in April at the 5th annual Opportunity Banquet sponsored by the Society of Women Engineers chapter for northeast Indiana. The

http://www.kpcnews.com/articles/2008/03/28/greater_fort_wayne/features/columnists/doug_leduc/technology/doc47ece7e8594d0627314578.txt

2008年4月3日 0:25 Defense Daily - April 2, 2008

AFSPC 空軍宇宙コマンド Kehler 司令官: TSAT スタディは春に議員のところにあがる予定

Kehler: TSAT Study To Go To Lawmakers In Spring

By Emelie Rutherford

The Air Force plans to deliver a study to Congress this spring on whether to rework Transformational Satellite (TSAT) program, a review spurred by plans to add a fourth Advanced Extremely High Frequency (AEHF) satellite, a top service official said.

Questions have been raised on Capitol Hill about delays in the TSAT program, and the service has indicated the planned 2018 launch date is in question.

Gen. Robert Kehler, commander of Air Force Space Command (AFSPC), told reporters yesterday at a Defense Writers Group breakfast in Washington that Air Force officials are aiding the TSAT analysis, which he said is a "DoD study in order to provide the answers that the Department of Defense is looking for."

"I can't tell you what that will result in," he said. "I can tell you that there isn't a lot of new ground being plowed here. What we know for sure is that the warfighter needs for TSAT remain."

The congressional call to add a fourth AEHF satellite was prompted by concerns about the pace of the TSAT technology and cost of the program--and then adding the fourth AEHF has spurred multiple questions about the pace of TSAT, Kehler said.

"All of those things together lead us, and lead the department, to make a decision to come back this spring, do another assessment of TSAT--whether or not the program is structured correctly, whether the timing of the program is right, and how this should now fit together in light of the insertion of a fourth AEHF," Kehler said. "We owe those answers to Congress this spring. We've been asked to provide those answers prior to the

Opportunity Banquet has been supported generously by area businesses for four years as a way to bring companies together with IPFW engineering, technology and computer science students interested in mingling with potential employers. The event will take place from 4:30 to 8:30 p.m. April 4 in the Walb Student Union Ballroom at Indiana University-Purdue University Fort Wayne. (後略)

time that they mark up."

Teams led by Boeing [BA] and Lockheed Martin [LMT] are competing for the TSAT effort, which is intended to provide secure, high-bandwidth communications to users who are on the move around the world.

The Army's forthcoming Future Combat System (FCS) is among the programs that plan to use TSAT satellites for communications.

Kehler said he views the most important warfighter need for TSAT as "protecting communications on the move...getting protected communications farther and farther and farther forward, and farther and farther and farther down in the echelons that could be out there in contact."

"We are mindful of that, we understand that that's a warfighting concern, and that remains our number-one issue as we walk into this review," he said.

Lawmakers in February said they are concerned about the effects of a \$4 billion cut to the TSAT effort in the Pentagon's long-term budget (Defense Daily, Feb. 28).

Meanwhile, adding the fourth AEHF resulted in a cost breach for that program, Kehler said. Air Force Secretary Michael Wynne recently alerted Congress that AEHF costs exceeded 15 percent of the effort's baseline.

AEHF, a follow-on to the Milstar system, is a joint service satellite communications system intended to provide global, secure, and jam-resistant communications for military ground,

sea, and air assets. It is being developed by Lockheed Martin and partners including Northrop Grumman [NOC].

"The cost breach is really an issue of now coming back in and having to upgrade some parts and do some other things since we had not planned on going to a fourth satellite," Kehler said.

The first **AEHF** satellite will launch "within the next year," he said, adding he has "high confidence that we're going to get there."

Kehler said the increases in protected communications that will result from **AEHF** "are expected to be phenomenal."

"I believe that program is in good shape, heading toward a first launch, and we will do what Congress told us to do last year, which is to fly a fourth [satellite], at that is now in the plan," Kehler said.

He said **AEHF** is a piece of "what's about to be a quantum

increase in capability in the military satellite communications constellation."

The first of six planned Wideband Global Satcom (**WGS**) satellites has been launched, helping to increase bandwidth available for warfighters, he said. Additional new space capabilities will be launched in the next 24 months, he said, noting recent space successes. There have been 58 successful launches in a row, and five years have passed without a premature on-orbit failure, he said.

"I am cautiously optimistic that we have turned a corner here in our ability to put these things on orbit and to make them work when they get there," he said.

March 28, 2008 CDI Space Security Update #2 Center for Defense Information www.cdi.org

警鐘： 最近の米軍宇宙戦略の変更は昨年の中国の衛星攻撃と共に新しい宇宙軍事競争の恐れ

NB#1: A recent change of course in the U.S. military's space strategy, along with last year's anti-satellite test by China threaten to signal a new space arms race, explains CDI Director Theresa Hitchens in "Space Wars - Coming to a Sky Near You?" published in the March 2008 issue of *Scientific American*, and available [here](#).



<http://www.sciam.com/article.cfm?id=space-wars-coming-to-the-sky-near-you>

Northwestern 大での宇宙安全保障の論議と *Scientific American* に載せた記事 [オーディオ有?]

NB#2: CDI Director Theresa Hitchens was featured on Northwestern University's WNUR 89.3 FM on March 8, 2008 and on *The Space Show*, hosted by David Livingston under <http://www.thespaceshow.com/detail.asp?q=905>

www.TheSpaceShow.com, on Sunday, March 9, 2008. Hitchens discussed space security and her recent article in *Scientific American*. The audio of this show is available by clicking [here](#).

USA-193 迎撃に関連して-1

NB#3: The consequences of the Feb. 20, 2008 shootdown of the errant USA-193 satellite will be felt long after the last bits of debris have burnt up in the atmosphere. In her analysis of the shootdown, CDI Research Analyst Victoria Samson looks at technicalities of the

intercept, as well as the potential political ramifications of the Navy's shot. "Shooting down USA-193: A \$100 million shot to be followed by even greater political costs," is available [here](#).

http://www.cdi.org/program/document.cfm?DocumentID=4221&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&rom_page=index.cfm

USA-193 迎撃に関連して-2

NB#4: In a new commentary posted on Feb. 15, 2008 on the Ploughshares Fund website, CDI Director Theresa Hitchens sheds some light on the controversy surrounding the Pentagon's plan to

shoot down a disabled spy satellite, and the technical and geopolitical risks associated with this move. "The Dangers Posed by an Errant Satellite"

<http://www.ploughshares.org/news.php?id=507> 又は http://www.cdi.org/program/document.cfm?DocumentID=4210&from_page=../index.cfm

FY2009 の予算要求 宇宙兵器化に関連するもの分析

NB#5: In the absence of a clear national consensus on military missions in space, the Bush administration is continuing to fund research that could result in the development and/or deployment of

anti-satellite and space-based weapons. CDI takes a look at programs in the Fiscal Year 2009 budget request that potentially could lead to the weaponization of space, available [here](#).

<http://www.cdi.org/pdfs/SpaceWeaponsFY09.pdf>

FY2009 の空軍宇宙予算要求 概要

NB#6: The U.S. Air Force budget request for fiscal year 2009 (FY 09) includes \$11.9 billion for space programs (including research and development, procurement and operations and maintenance) – a

modest increase from the FY 08 request of \$11.3 billion, according to Air Force officials. The overview of the budget request is available [here](#).

http://www.cdi.org/program/document.cfm?DocumentID=4201&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm

インドの宇宙打上げピークルは ICBM を目指す – 分析

NB#7: Analysts in New Delhi and elsewhere predict that India has intentions to adapt its space launch vehicles to build an Intercontinental Ballistic Missile (ICBM). In this analysis, CDI Research Assistant Kartik Bommakanti looks at the technical and

political realities of India's program and why space launch vehicles cannot be automatically converted into usable ICBMs, even if their technologies could help build one. His analysis is available [here](#).

<http://www.cdi.org/pdfs/IndiaICBM.pdf>

ミサイル防衛と兵器管理における 25 年後

NB#7: In the 25 years since President Reagan's speech calling for renewed efforts on a shield that would theoretically protect the United States against a Soviet intercontinental ballistic missile attack (ICBM), missile defense has failed to improve national

security. In "Missile Defense and Arms Control: 25 Years Later," CDI Senior Advisor Philip Coyle and Research Analyst Victoria Samson examine the current status of U.S. missile defense policy.

http://www.cdi.org/program/document.cfm?DocumentID=4239&from_page=../index.cfm

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USA-193 は極端に不安定だった

1. USA-193 Was Extremely Unstable

Reports keep trickling in with new information about the destruction of errant spy satellite USA-193 on Feb. 20, 2008, with an adapted U.S. Standard Missile (SM)-3 missile defense interceptor. According to Rear Adm. Brad Hicks, head of the Navy Aegis Ballistic Missile Defense program, which uses the SM-3, the satellite “was rolling and tumbling and [its gyration] wasn’t always the same from one orbit to another, which added to the technical challenge. We tried for six weeks to see what was predictable about what it was doing each orbit, and we just couldn’t do it.”

Furthermore, there was an explosion when the SM-3 hit the satellite, something that planners had not expected. Finally, the pieces created from the destruction were also much smaller than anticipated. Radars used for the interception include those of Terminal High Altitude Area Defense (THAAD) program, the Sea-based X-band radar, and other radars in Barking Sands, Hawaii. After action reports continue to be generated, look for more details to emerge. (*Aerospace Daily & Defense Report*, March 24, 2008)

Atlas V 打上げは USA-193 の破壊により遅延

2. Atlas V Launch Delayed Due to Destruction of USA-193

The first West Coast launch of the Atlas V rocket, part of the Expanded Evolved Launch Vehicle (EELV) program, had to be delayed several weeks as operators waited for debris from the deliberate destruction of USA-193 to subside. The Atlas V had been planned to be launched Feb. 29, but the Feb. 20 interception of

errant spy satellite USA-193 by a modified Aegis Standard Missile (SM)-3 interceptor caused EELV program officials to decide to hold off on their launch, just to be safe. The Atlas V was scheduled to carry a National Reconnaissance Organization (NRO) satellite. (*SpaceDaily.com*, Feb. 6, 2008; *Space.com*, Feb. 28, 2008)

上院の民主党議員の幾人かは宇宙兵器化への議論を解禁

3. Some Senate Dems Open to Weaponizing Space

As discussion continues over the fiscal year 2009 (FY 09) defense budget, some Senate Democrats have indicated they would be open to debating the idea of putting weapons in space. This comes on the heels of the United States’ interception of the USA-193 satellite with a modified Navy missile defense interceptor, and, 13 months prior, China’s deliberate destruction of one of its weather satellites. According to *CongressNow.com* (March 11, 2008), “Senate Appropriations Chairman Daniel Inouye (D-Hawaii) told reporters today Congress should consider permitting the Pentagon to field weapons in space, especially in light of the separate Chinese and U.S. shootdowns of their respective satellites.” Additionally, Sen. Bill Nelson (D-Fla.) has stated that “Without a doubt [it is time] because that is what the Chinese demonstrated they had the

capability of and therefore the United States now has to move to create defensive postures against that.” Both of these senators are working under a faulty premise: that the only way to defend U.S. space assets is to put more weapons up in space. Instead of defending them, they destabilize the political situation and make those important space assets more vulnerable. Congress may have an opportunity soon to discuss putting weapons in space. In the Missile Defense Agency (MDA) budget request this year is \$10 million for a Space Test Bed for space-based missile defense interceptors. This has been included in previous budget requests and taken out by Congress, who was worried about the ripple effects of weaponizing space.

ロシアと中国は宇宙兵器配備を禁止する協定案を発表

4. Russia and China Announce Draft Treaty Banning Putting Weapons in Space

On Feb. 12, 2008, Russian Foreign Minister Sergey Lavrov brought a draft treaty to the Conference on Disarmament in Geneva that was sponsored by his country and China and would ban placing weapons in space. Specifically, this treaty would strive to create the “prevention of the placement of weapons in outer space, the threat or use of force against outer space objects.” According to Lavrov, “Weapons deployment in space by one state will inevitably result in a chain reaction...And this in turn is fraught with a new

米空軍は宇宙の状況認識改善に向けて作業中

5. Air Force Working to Improve Space Situational Awareness

The U.S. Air Force is striving to increase its situational awareness in space with a variety of programs. It hopes to get the next generation of Rapid Attack Identification Detection Reporting System (RAIDRS), which is RAIDRS Block 20, fielded by 2011. This system would specifically be geared toward detecting an

米空軍の衛星予算要求は概して変化少ない

6. U.S. Air Force Funding Request for Satellites Remains Largely Static

The Air Force requested a budget of \$11.9 billion for fiscal year 2009 (FY 09). This number includes \$2.33 billion for the Space-Based Infrared System (SBIRS) program which has been having so many troubles that an alternative system is being investigated. The budgetary request did not represent a significant increase the amount appropriated for FY 08: \$11.3 billion. There is an increased emphasis on expanding capabilities related to space situational awareness, which is reflected in the slight growth in projected spending from \$240 million in FY 09, up from \$226 million in the previous year. The Space Fence, due to reach initial operating capability in 2015, is being delayed. The Space-Based

(Reuters, Feb. 4, 2008, *Aerospace Daily & Defense Report*, Feb. 5, 2008)

欧州共同体は有人宇宙ミッションに気後れ

7. European Union Hesitant about Manned Space Mission

Despite open to the possibility of cooperating with Russia on a manned space mission, European Union (EU) leaders are still hesitant to fund an independent program. European Space Agency (ESA) officials have withdrawn their earlier statements on sending astronauts from the Guiana Space Center, to a European built space station that could follow the international space station. ESA officials note that national governments are very resistant to the idea, despite their calls for such a program. ESA has already

イランは衛星打上げの情報を提供

spiral in the arms race, both in space and on the earth.” The United States, per its policy of eschewing a space weapons treaty, opposed it, claiming that verification would be difficult. Instead, White House Spokesperson Dana Perino indicated that the United States would support “discussions aimed at promoting transparency and confidence-building measures.” (*New York Times*, Feb. 13, 2008)

anti-satellite attack. It differs from an earlier generation of RAIDRS, RAIDRS Block 10, which is designed to monitor communication links. RAIDRS Block 10 isn’t fully operational yet and isn’t expected to be so until 2011.

(*Aviation Week & Space Technology*, March 16, 2008)

Surveillance System (SBSS), designed to monitor satellites in space, has a research and development request of \$120.7 million for FY 09. SBIRS program officials found a software problem that will cost \$400 million to fix. The troubled Transformational Communications Satellite system (TSAT) is expected to receive \$843 million in FY 09 and \$6.6 billion over the next five years, \$4 billion less than originally anticipated. And financing for the joint Lockheed Martin and Boeing Evolved Expendable Launch Vehicle (EELV) program is planned to be \$1.24 billion in FY 09, with the budget over the next five years reaching \$6.6 billion.

committed 4 billion euros (or \$5.9 billion) to the international space station for the next decade. To send more European astronauts aboard the U.S. shuttle and the Russian Soyuz capsule, the EU will have to make additional investments for the station’s hardware. ESA’s budget annually is 3 billion euros, of which 8.7 percent was planned to be spent on human spaceflight in 2008. (*Space News*, Feb. 4, 2008)

8. Tehran Provides Information on Satellite Launch

Iran claimed it sent a probe on Feb. 19 to an altitude of 125 miles (200 kilometers), which made its return within a few minutes. The **Kavoshgar (Explorer)** is reported to be Iran's first such launch and is a preparatory step towards launching its first indigenously built satellite into orbit later on this summer. Ahmad Talebzadeh of Iran's space organization explained, "**Kavoshgar** had two sections. The first section separated after 100 seconds and returned to earth with a parachute. The second continued to an altitude of 200 kilometres." Iran has been pursuing a space program for several

インドの月ミッションは7月まで遅れる

9. India's Lunar Mission Delayed Until July

India's Chandrayaan-I moon mission has been postponed from April to the first week of July, because of launch-related and payload integration problems. The original target launch date was set almost four years ago. The delay has raised concerns that there are hardware-related technical problems. However Indian Space Research Organization (ISRO) officials maintain that there aren't

中国の嫦娥-2 月探査機は来年打上げの計画

10. China's Chang'e-2 Lunar Probe Set for Launch Next Year

In 2009, China is expected to launch its second lunar probe, the Chang'e-2. Chinese space scientists noted that contact with the Chang'e-1, China's first lunar probe, had been restored with the ground control center following its move away from the shadow created by a solar eclipse. In a previous development, the satellite could not derive solar energy contact following the earth's eclipse of the sun and temporarily lost contact with ground control stations. The satellite is expected to make another on-orbit positional change in anticipation of another eclipse in August. Eight instruments

中国は2008年に初のスペースウォークを実施予定

11. China Set to Undertake first Spacewalk in 2008

The latter half of 2008 could witness China's first human spacewalk. The astronauts will be launched from a Shenzhou VII spacecraft from the Jiuquan Satellite Launch Center. An inspection satellite with self-monitoring capabilities will also be launched. Space walk techniques are being mastered and the astronauts are undergoing rigorous training according to China's space officials. The second

ガリレオ衛星2号機打上げ準備中

12. Launch Preparations for Second Galileo Space Craft Underway

GIOVE-B, intended to be part of the European Union's Galileo satellite navigation network, is headed for Baikonur, Kazakhstan,

years and in October 2005 a Russian built Iranian satellite (the **Sina-1**) was launched from a Russian launch vehicle. The United States predictably condemned the launch, but it also appears to have ruffled the feathers of the Russians as well, with the Russian Foreign Minister Sergei Lavrov noting that Moscow "does not approve of Iran's permanent demonstration of its intentions to develop its rocket sector." (*Agence France-Presse*, Feb. 19, 2008; *Financial Times*, Feb. 5, 2008)

any and that the delay is only a precautionary step to ensure that all systems are well tested for every stage and integrated. The half-ton satellite will carry 11 instruments, including six from abroad - one each from Britain, Sweden, Germany and Bulgaria and two from the United States. (*Press Trust of India*, Feb. 26, 2008)

aboard the satellite will provide three-dimensional mapping of the lunar surface. The quantum and distribution of various elements on the moon surface will be surveyed, such as soil content and the characteristics of the space environment between the Earth and the moon. China also intends to land a rover on the moon in 2012 and a second rover is scheduled for landing in 2017 that will bring back to Earth lunar soil and stones.. (*Xinhua News Agency*, Feb. 26, 2008)

phase of China's three-stage space program will begin with the Shenzhou VII launch. The second phase will also see the placement of a space laboratory with humans on board for short durations and seeks to create a full-fledged space engineering system. (*Xinhua News Agency*, Feb. 29, 2008)

from which it will be launched into orbit on the Starsem Soyuz/Fregat launch vehicle. The GIOVE-B will evaluate and

validate important technologies for the Galileo system. These include the triple-channel transmission of navigation signals and the high-precision passive maser clock. A specific standard signal (known as MBOC) will be transmitted from GIOVE-B as part of an agreement reached between the European Union and the United

国防総省はフラクショネーテッド分割化衛星の契約を行う

13. Contract for Fractionated Satellites Awarded by Pentagon

Lockheed Martin received a contract worth \$5.7 billion from the Pentagon to design miniaturized clusters of satellites which will be launched separately and can operate as part of a network in space. The contract caters to the first phase of the **F6** program or known otherwise as the "**Future, Fast, Flexible, Fractionated, Free-Flying Spacecraft** United by Information Exchange." The program is intended to demonstrate how large satellites can undergo

欧州は中国の衛星航法計画に関する情報を要求

14. Europeans Demand More Info on Chinese Sat Nav Program

Lack of clarity and China's refusal to provide information about its satellite navigation program, the Beidou/Compass system, has frustrated European officials. They believe it creates strategic and technical problems for Europe's Galileo system if there is no further information from Beijing. European officials note that they can only wait until this summer before they decide on Galileo's signal structure. China's deployment plans for the global system is still

スペースレーダは打切り

15. Space Radar Terminated

The Space Radar that was to provide military and satellite surveillance and intelligence and anticipated to cost over \$20 billion has been cancelled. A National Reconnaissance Office (NRO) official said that the space-based program was unaffordable and will be terminated as soon as possible. According to Scott Large,

衛星計画は予算超過と遅れに苦しむ： GAO 会計検査院当局

16. Satellite Programs Suffer Due to Overruns and Delays: GAO Official

Cristina Chaplain, a Government Accountability Office (GAO) official, told Congress on March 6 that the Defense Department (DOD) uses a flawed process in developing and acquiring satellite systems. This has raised costs from millions to billions of dollars, and despite decades of development, some systems that were promised have not materialized. Schedules are also unrealistically optimistic. One example is the Space Based Infrared System (SBIRS), whose hardware and software have serious glitches, adding up to a \$7 billion overrun. Another example is the National

States for their individual systems. Four other satellites under development will follow the GIOVE-B and will help validate a systemwide verification of the Galileo system. (*SpaceDaily.com*, March 7, 2008)

replacement with smaller "**fractionated**" satellites that fly in groups and be linked via wireless networks. Computing, ground communications, or payloads could be spread across the satellite network. Lockheed will spend a year working on technologies for the initial phase of "the **fractionated** space network mission." (*Agence France-Presse*, March 5, 2008)

unclear. Concerns exist about the Beidou/Compass system conflicting with the Galileo network or that there may be a frequency overlay between the Chinese and the United States' systems. Frequency coordination may work with Europe, but not necessarily with the United States' system. European officials have yet to figure out who is responsible for decisions related to satellite navigation. (*Space News*, March 6, 2008)

director of the **NRO**, his organization will submit to Congress by mid-April its new plan for the system. Lockheed Martin and Northrop Grumman had been contracted to develop two rival designs under contracts costing \$49 million each that were re-upped in January 2007 to April 2009. (*Space News*, March 6, 2008)

Polar-Orbiting Operational Environmental Satellite System (NPOESS), which just was revamped and now is expected to have its costs increase by 49 percent or \$4.9 billion, and will produce fewer satellites and fewer sensors. Further, the original launch date of Boeing's Global Positioning System IIF program has been delayed by an additional two years, with the USAF requesting an additional \$100 million to service cost overruns during the next two fiscal years. Chaplain pointed out the Mobile User Objective System (MUOS), designed to support compact tactical satellite

terminals and shipboard installations and run by the Navy, as an example of good acquisition practices. Even so, according to top Naval officials, the MUOS is tied to the Joint Tactical Radio

宇宙は混雑しつつある

17. Space Getting Cluttered

There are increasing concerns about space debris and to a lesser extent space traffic affecting access to space. Some have recommended the establishment of an institutional mechanism along the lines of the International Civil Aviation Organization that sets common practices and rules. Others say this is superfluous and bilateral agreements between countries are sufficient. Space traffic management is however drawing the attention of not just civilians, but also the uniformed services, which have expensive space assets up on orbit. Some experts have suggested the creation of a space traffic management mechanism that mandates that all countries and private entities that operate satellites notify and consult when

System Program (JTRS), which has also been delayed. (*Government Executive Magazine*, March 7, 2008)

spacecraft have to maneuver and that they collectively maintain a data base on orbital debris and satellite orbits. Currently the United States Air Force maintains a substantial data base, but its slow response and periodic budgetary crunches have stymied its capacity to share information. Private players, such as Inmarsat, Intelsat, Loral, and Eutelsat, are also getting involved in devising methods without compromising trade secrets to swap data on maneuvers and orbital positions. Adding to the situation are recent anti-satellite tests by the United States and China, which have created debris and added to the clutter. (*Christian Science Monitor*, March 14, 2008)

2008/3/27 18:06 [Technobahn]

NASAの科学探査計画担当准長官が辞任、予算配分を巡って内部対立が

著名な惑星科学者でタイム誌が選んだ 2007 年「世界でもっとも影響力がある 100 人」にも選ばれたアラン・スターン (Alan Stern) 博士が 26 日付で NASA 科学探査計画担当准長官辞任が NASA 発表により同日、明らかとなった。スターン博士は、NASA 科学探査計画担当准長官地位は辞職するが、NASA が 2006 年に打上げた冥王星探査衛星「ニュー・ホライズズ (New Horizons)」探査計画責任者の地位は継続する模様。ニュー・ホライズズ計画責任者の地位には止まるということは事実上の降格処分ということにもなる。スターン博士は、惑星探査研究者の間では非常に信任が厚く、今回の突然の辞任は惑星科学界では驚きと、落胆をもって受止められている。NASA は 24 日に

<http://www.technobahn.com/news/2008/200803271806.html>

は 2 機あるマーズ・エクスプロレーション・ローバの内 1 機の運用停止方針公表しながら、その翌日には運用停止方針を急遽、撤回するごたも発生しており、一部では、科学探査関連予算配分を巡って NASA 上層部で内部対立が起きているのではないかと、この見方もでている。NASA グリフィン長官は今月 10 日には、今後は火星探査の比重を減らし太陽系外惑星 (小惑星帯より外の木星以降の惑星) 探査の比重を増す方針を明らかにしていた。しかし、外惑星探査の比重を増すというのは口実で、有人月探査計画に伴う新型ロケットや有人宇宙船の開発費用を捻出するため、科学探査関連予算全体の削減が目的ではないかと、といった声もでていた。

March 20, 2008 Schriever Sentinel (Satellite Flyer)

2009 年度予算について空軍トップリーダ証言

Top Air Force leaders testify on 09 budget

By Staff Sgt. Monique Randolph Secretary of the Air Force Public Affairs

WASHINGTON (AFP) The Air Force's top two leaders testified before the House and Senate Committee on Appropriations subcommittees on Defense during hearings about the fiscal 2009 budget March 11 and 12.

While the main topic of discussion among congressmen and

senators remained the KC-45A contract award, Secretary of the Air Force Michael W. Wynne and Air Force Chief of Staff Gen. T. Michael Moseley also offered comments on other procurement priorities and joint basing.

Since the March 7 announcement of Northrop-Grumman as the company of choice to produce up to 179 new tankers, Air Force leaders have been called upon by government officials to defend

the decision.

“We believe we accurately followed the laws and arrived at a decision selecting the better of two very qualified competitors to a published criterion,” said Secretary Wynne during his opening statement, later adding he believes the Air Force “selected the right airplane at the right time.”

“This is about fielding capability to be able to fight this country’s wars,” said General Moseley. “It’s about being able to field systems on time and being able to field systems to replace a (nearly) 50-year-old airplane that has served us very, very well.” Following the rules set forth and based on the proposals received, the Air Force “got a good aircraft and I’m willing to fly it,” he added.

Secretary Wynne and General Moseley also addressed the lack of funding for C-17 Globemaster III programs in the budget request and the subsequent unfunded request for 15 C-17s.

“This is an affordability issue,” said General Moseley. “We support the president’s budget, and as we fit the priorities that we’ve tried to work within the department into that budget, some things just can’t be bought.” (後略)



Air Force Chief of Staff Gen. T. Michael Moseley and Secretary of the Air Force Michael Wynne testify on the fiscal 2009 budget March 12 before the Senate Committee on Appropriations Subcommittee on Defense. Both leaders also testified on the budget before the House committee March 11.

March 13, 2008 Schriever Sentinel

U-2 飛行隊は飛行を継続

U-2 squadron continues to fly high

By Senior Airman Ross Tweten 380th Air Expeditionary Wing Public Affairs SOUTHWEST ASIA (AFPN) Airmen of the 99th Expeditionary Reconnaissance Squadron here continue to add to the U-2’s 51-year history by being the only U-2 squadron in the area of responsibility supporting operations Enduring Freedom and Iraqi Freedom.

Since its introduction in 1957, the U-2 and the Airmen who support it have provided the United States and all its branches of military, with an unmatched upper hand on the enemy by providing high-altitude intelligence, surveillance and reconnaissance to commanders past and present.

“Even after 50 years of flying, the U-2 is still an important part of the mission,” said Maj. Merryll Tengesdal, the 99th ERS aircraft commander. “There are other platforms out there that try to duplicate what we do, but so far it has proven to be a challenge.” The mission of the 99th ERS, out of Beale Air Force Base, Calif., sounds simple: To provide high altitude ISR to the warfighter. But what goes into supporting that mission is much more demanding. (後略)



Capt. Ross Franquemont shakes the hands of the crew chiefs who have



prepared his jet for a reconnaissance mission March 5 at Southwest Asia

air base. The 380th Air Expeditionary Wing hosts the only U-2 squadron in the area of responsibility, providing high-altitude intelligence, surveillance and reconnaissance for support in winning the war on terrorism. Captain Franquemont is a U-2 pilot from the 99th Expeditionary Reconnaissance Squadron.

Staff Sgt. Nikolina Kreager ensures a U-2 pilot is set for the day's mission by checking the flight suit to make sure it can pressurize properly at high altitudes March 5 at a Southwest Asia air base.

http://www.csmng.com/images/satelliteflyer/satelliteflyer_2008-03-13.pdf

March 13, 2008 Schriever Sentinel

スペース・シンポジウムはボランティアを募集中

Space symposium seeks volunteers

Volunteers are needed for the **24th National Space Symposium** taking place April 7-10 at the Broadmoor Hotel in Colorado Springs. Volunteers will have the opportunity to meet senior leaders of the space community and aerospace industry, tour the

Lockheed-Martin Exhibit Center and attend the symposium session. For more information, contact Melisa Perez of the Space Foundation at 576-8000, extension 148.

宇宙ニュースの小部屋

<http://d.hatena.ne.jp/t-naka/200803>

<http://d.hatena.ne.jp/t-naka/200804>

2008-04-03-Thu ESA Web Site(4/3) Spaceflightnow(4/3)

[ロケット]ATV1、ISSとのドッキングに成功

2008-04-02-Wed Spaceflightnow(3/31)

[ロケット]ATV1、ISSから11mまでの接近デモに成功。ドッキングは4/3。

AviationWeek(3/31)

[ロケット]NASA、Ares1 振動問題は解決可能と説明

当初はクルーに5Gの振動がかかるとしていたが、過度に保守的だった部分を見直した結果、予測値は0.25Gに低減。その結果、クルーの生命や構造強度に関わる問題ではなく、かつ、クルー環境としても構造

設計見直しによって構造側の固有振動数をずらしたり衝撃吸収機構を追加で対応可能、とのこと。

2008-03-30-Sun Spaceflightnow(3/29)

[ロケット]ATV1、デモ Day1 を良好に終了

ISSから3.5kmまで計画通りに自動制御で接近成功。デモ開始時に4系統ある推進系のうち1系統で温度指示値が設定許容値を1外
Spaceflightnow(3/27)

れたために FDIR 機能が働いて制御系から切離されたが、設定値を見直すことで対応。

[ロケット]ロシア、独偵察衛星を Kosmos 3M ロケットで打上げ

2008-03-28-Fri SpaceX 社プレスリリース(3/27)

[ロケット]SpaceX 社、Falcon 9 開発試験で3基の Merlin1C エンジンでの燃焼試験に成功

今週の軍事関連ニュース

<http://www.kojii.net/news/index.html>

今週の軍事関連ニュース (2008/04/04)

今日の報道発表 (Defense-Aerospace.com 2008/4/1)

米 Northrop Grumman 社は AIAA (American Institute of Aeronautics and Astronautics) が開催した第 6 回目の Annual U.S. Missile Defense Conference and Exhibition (3/31-4/3) で、ミサイル防衛分野における同社の関わりについて展示を実施した。同社が手がけている MD 関連製品としては、KEI (Kinetic Energy Interceptor)、STSS (Space Tracking and Surveillance System)、Missile Defense Integration and Operations Center (Colorado Springs, CO) があり、さらに副契約社として ABL (Airborne Laser)

用の高出力レーザと BILL (Beacon Illuminator Laser)、Command and Control Battle Management and Communications System、GMD (Ground-based Midcourse Defense) 用の射撃管制/発射管制システム、陸軍向けの BMC4I (Battle Management Command, Control, Communications, Computers and Intelligence) システム・Integrated Air and Missile Defense, Battle Command System がある。(Northrop Grumman)

今日の米軍調達 (Contracts 2008/3/31)

Lockheed Martin Space Systems Co. (Littleton, CO) は米空軍から、EELV (Evolved Expendable Launch Vehicle) Atlas 5510 を使って MUOS-1 (Mobile Users Objective System-1) 衛星を打上

げる件に関する修正契約を、\$124,100,000 で受注。El Segundo, CA (FA8816-06-C-0004/P00002)

SAIC (Science Applications International Corp., San Diego, CA) は米空軍から、AISS (Alternative Infrared Satellite System) のリスク低減作業に関連する研究開発の修正契約を、\$31,162,736

で受注。統合センサ・アセンブリのコンポーネントを宇宙空間で運用できる (Space Qualified) ように強化するもので、それを検証するための試験も実施する。Kirtland AFB, NM (FA9453-06-C-0378/P00010)

今週の軍事関連ニュース (2008/04/01)

今日の報道発表 (Defense-Aerospace.com 2008/3/28)

Thales Alenia Space 社は、ドイツ向けの合成開口レーダ偵察衛星・SAR-Lupe 4 号機を成功裏に打上げたと発表。重量 720kg、軌道高度 500km。打上げは口の Plesetsk から、Cosmos-3M ブースタを使って実施。主契約社は OHB-System AG で、Thales Alenia

Space が Sensor Electronic Unit、無線関連機材、処理/管制サブユニットを担当。X バンドの合成開口レーダを持ち、解像度は 1m。今夏には最後の 5 号機を打上げ予定。(Thales Alenia Space)

英 Cobham 社は、豪の Australian Border Protection Command から 12 年間・10 億豪ドルで受注している Sentinel 計画で使用する、監視用航空機の最終号機 (10号機) をデリバリしたと発表。Broome, Darwin, Cairns に、Bombardier Dash 8 を改造しセ

ンサと衛星通信機材を装備した監視用機を配備し Cobham 社が運用、昼夜を問わずに EEZ (Exclusive Economic Zone) 監視を行う。衛星通信リンクにより、リアルタイム最新情報を入手できる。1 機がフライト 1 回のカバー面積は 11 万平方キロ以上。(Cobham)

今週の軍事関連ニュース (2008/03/28)

今日の小ネタ (AFPS & AFNews 2008/3/25) [前回 既報](#)

Michael W. Wynne 空軍長官によると、2006 年に Minuteman ICBM ノーズコーン構成部品 4 点が、間違っ台湾に送られていたことが判明。FMS (Foreign Military Sales) を通じヘリコプタ用電池を注文したら、ノーズコーン先端にある核弾頭起爆装置が届いてしまい、台湾側から知らされて発覚、回収となった次第。これを受け Robert Gates 国防長官は大統領に状況説明を実施。間違えて送ってしまったのは、ユタ州 Hill AFB にある国防兵站局 (DLA : Defense Logistics Agency) のデポ。今後の原因調査結果を受け、FMS 経由で製品を

輸出する際の、コンテナと内容の整合性をとる手順を決めることになる。核兵器関連事故としては、昨年、B-52 に間違っ本物の核弾頭を搭載した巡航ミサイルを搭載・空輸した事件に続いて、二度目。



今日の報道発表 (Defense-Aerospace.com 2008/3/25)

インド国防省発表によると、23日に Orissa の Dhamra 沖、 Island Launch Complex から試射した Agni-1 弾道ミサイルは Agni-1 (A1) と呼ばれるタイプで、DRDO (Defence Research & Development Organisation) のミサイル部門・ASL が、Defence

Research and Development Laboratory (Hyderabad)、Research Center Imarat (Hyderabad)、Bharat Dynamics Ltd. (Hyderabad) と組んで開発。射程 700km。試射は "教科書通りに" 成功。(Indian MoD)

2008年4月1日 21:59 Defense News Early Bird Brief

[DEFENSE DEPARTMENT](#)

GAO 会計検査院は兵器予算を糾弾、予算超過は\$265B に達する

[GAO Blasts Weapons Budget](#) [Cost Overruns Hit \\$295 Billion](#)

(Washington Post, April 1, 2008, Pg. 1)

Government auditors issued a scathing review of dozens of the Pentagon's biggest weapons systems, saying ships, aircraft and satellites are billions of dollars over budget and years behind schedule. The Government Accountability Office found that 95 major systems have exceeded their original budgets by a total of

\$295 billion, bringing their total cost to \$1.6 trillion, and are delivered almost two years late on average. In addition, none of the systems that GAO looked at had met all of the standards for best management practices during their development stages.

[INTELLIGENCE](#)

今日のスパイは地上で秘密を見出す 諜報機関はインターネットと他の公的情報源にさらに重点をおく

[Today's Spies Find Secrets In Plain Sight](#) [Intelligence Agents Focus More On The Internet And Other Public Sources](#)

(USA Today, April 1, 2008, Pg. 1)

For 40 years, U.S. presidents have begun each day with a top-secret, personal briefing on security threats and global affairs obtained largely from covert spy missions, clandestine satellite surveillance and other highly classified intelligence

sources. Now, however, the President's Daily Brief and other crucial intelligence reports often rely less on secrets from risky espionage missions than on material that's available to just about anyone.

[DefenseNews.com](#) UPDATED: 30 Mar 2008 17:38 EDT (13:38 GMT) <http://www.defensenews.com/>

ヘッドラインのみ

[CIA Chief Says Iran Is Pursing Nuclear Weapons](#)

[NATO Leaders Seek Help for Afghanistan at Summit](#)

[Japan Finishes Missile Defense System Deployment](#)

India, Singapore Conclude Naval Exercise
Japan Establishes Rapid Reaction Force
Indian Navy To Operate Without Carrier for a Year
U.S. Army Suspends Suspect Afghan Munitions Deal
NATO Pressed To Speed Up Growth of Afghan Army
China Denies Seeking U.S. Military Technology
Aus.-Indonesian Ties To Strengthen: Minister

Space News <http://www.space.com/spacenews/>

全欧州プログラムの望みで Jason-3 ミッションが危機に瀕する

Desire for All-European Program Imperils Jason-3 Mission

PARIS -- A 20-year U.S.-French partnership in ocean altimetry that has created from scratch a broad range of services that military and civilian users say they cannot do without is about to

be scrapped in favor of an all-European substitute that remains on shaky financial ground, European officials said March 27.

Sat News <http://www.satnews.com/>

Top Stories

The Robert J. Collier 賞候補は SBIRS / SMC に

And The Robert J. Collier Award Goes To... SBIRS / SMC

The U.S. Air Force nominated the Space Based Infrared Systems (SBIRS) Highly Elliptical Orbit (HEO) Development, Test and

On-orbit Operations Team for the 2007 Robert J. Collier Trophy.

GIOVE-B はカザフスタンで開梱

GIOVE-B Gets Unwrapped In Kazakhstan

The GIOVE-B navsat payload is now going through its checkout at the Baikonur Cosmodrome in Kazakhstan. Arianespace'

Starsem affiliate's satellite will be launched on a Soyuz rocket, which itself is currently going through the integration process.

Endavour は 16 日間の宇宙旅行から帰還

Home Again From 16-Day Space Endeavour

Returning from its 16-day STS-123 mission to the International Space Station (ISS), NASA's Shuttle Endeavour safely returned

to earth, with a crew of seven onboard.

衛星の保険金額が上昇

SatInsurance To Pump Up

Space insurers are targeting premium increases of up to 30 percent following losses in 2007, which included the failures of the Sea Launch rocket carrying the NSS-8 satellite, the Proton

carrying JCSat 11, and the initial failure of the Proton rocket carrying the AMC-14 satellite.

Lockheed Martin Press Releases <http://www.lockheedmartin.com/news/>

April 03, 2008 米空軍/ロッキードマーチン・チームは衛星最終号機が 6 月打上げのためケーブルカナベラルに出荷準備され GPS IIR 計画を祝う

U.S. AIR FORCE/LOCKHEED MARTIN TEAM CELEBRATES SUCCESS OF GPS IIR PROGRAM AS FINAL SATELLITE IS READIED FOR SHIPMENT TO CAPE CANAVERAL FOR JUNE LAUNCH

http://www.lockheedmartin.com/news/press_releases/2008/gps-last-ship.html

Boeing News Releases <http://www.boeing.com/news/releases/index.html>

Mar. 27, 2008 **ボーイングは NASA の作業に関してスモール・ビジネスをターゲットにする**

Boeing Targets Small Businesses for NASA Work

http://www.boeing.com/news/releases/2008/q1/080327b_nr.html

JDW, **Jane s Defence Weekly** <http://jdw.janes.com/public/jdw/index.shtml>

28-Mar-2008 **ロシアはミサイル打上げの事前連絡を停止**

Russia halts missile-launch notifications

Russia has stopped providing advance notice of its ballistic missile launches to the 128 countries that have signed the Hague Code of Conduct on ...

28-Mar-2008 **イスラエルは THEL を短距離ミサイルに対する防御に不十分という理由で棄却する決定を再確認**

Israel reaffirms decision to reject THEL

The Israeli Ministry of Defence (MoD) has confirmed an earlier decision that the Tactical High-Energy Laser (THEL) system will not provide sufficient protection against short-range...

[平山ニュース 2007 年 月 日] <http://www.wikihouse.com/space/> バックナンバ <http://backno.mini.mag2.com/M0000575>

[NEWS]

4/1 きぼう第 2 便(星出飛行士) 6/1(日本時間)に打上延期(JAXA,時読朝)

4/1 JAXA 宇宙飛行士募集開始

3/28 米 Celestis 社が月への宇宙葬を計画(時)

3/27 1715GMT 打上成功:レーダ偵察衛星 SAR-Lupe 4(独),Kosmos 3M,Plesetsk

[予定]

4/8 1116GMT 打上:Soyuz TMA-12(ISS 16S),Soyuz,Baikonur

[EVENT]

4/1-5/30 衛星設計コンテスト参加登録受付>JSF

[学会]

4/28-5/1 15th AIAA International Space Planes and Hypersonic Systems and Technologies Conference,Dayton,Ohio

4/3-4 JSASS 第 39 期通常総会および年会講演会,JAXA 調布

[TV]

History Channel

・4/5 1300-1500,4/6 0400-0600,1000-1200 宇宙世紀の日本人

Discovery Channel

・4/4 0500-0600 Discovery Channel 巨大建造:宇宙ステーション ///

[etc.]

4/3 新刊:あさりよしとお「まんがサイエンス(11)」ノラコミックス

4/1-6/20 宇宙飛行士募集>JAXA

3/22 新刊:柳沼行「ふたつのスピカ(14)」メディアファクトリー

[中国宇宙開発] http://dailynews.yahoo.co.jp/fc/world/china_space_exploration/

- 「女性デジタル兵士」、国防電子展覧会で注目 北京(サーチナ・中国情報局) (3日 17時4分)

3日付中国新聞社電によると、北京市内で開催されている第6回中国国際国防電子展覧会で「デジタル兵士」が注目されている。コンピュータを装備に組み込んだもので、移動通信や衛星測位システムで威力を発揮するという。説明によると、コンピュータ本体は軍服の右ポケット、電池は左ポケット、キーボードは左腕に取り付け、専用のゴーグルがモニタの役目を果たす。



- 長征3号Cロケットが4月末に初飛行、低コスト狙いか(サーチナ・中国情報局) (28日 17時42分)

[宇宙開発] http://dailynews.yahoo.co.jp/fc/science/space_exploration/

- 宇宙飛行士の安全祈願する参観団、6日にカザフへ(YONHAP NEWS) (4日 14時14分)

- <欧州宇宙機関> 補給機が国際宇宙ステーションにドッキング(毎日新聞) (4日 10時47分)

- 世界初の有人水素燃料電池飛行機(時事通信) (4日 9時43分)



- 無人補給機がドッキング = 国際宇宙ステーション - NASA(時事通信) (4日 7時1分)

- ディスカバリー打上げ延期 NASA(産経新聞) (1日 12時7分)

- 6月1日打上げに延期 = 星出さん搭乗の米シャトル(時事通信) (1日 9時0分)

- 「Kibo」土井さん大きく掲載 = 星出さんシャトル遅れも - フロリダ地元紙(時事通信) (29日 9時0分)

- 100万円で遺灰を月面へ = 米社が来年にも新サービス(時事通信) (29日 9時0分)

- 「Kibo」土井さん大きく掲載 = 星出さんシャトル遅れも - フロリダ地元紙(時事通信) (29日 9時0分)

- 「また宇宙へ」土井さん意欲(産経新聞) (29日 8時0分)

- 土井さんに続け 4人の日本人も意欲(産経新聞) (28日 16時39分)

- 土井さん「明日にでも宇宙に戻りたい」 充実感いっぱいの帰還会見(産経新聞) (28日 16時39分)

- T-50の南米輸出を推進、チリの展示会で広報(YONHAP NEWS) (28日 13時9分)

- 土井さんに続け！ 訓練中の宇宙飛行士4人語る(産経新聞) (28日 11時37分)

- 「宇宙基地、素晴らしい経験」 = 帰還後会見、式典で笑顔 - 土井さん(時事通信) (28日 11時1分)

- <土井隆雄さん> 「宇宙ステーション楽しい...もう一度」(毎日新聞) (28日 10時18分)

- JAXA 土井さん帰還で会見 「感激。経験次に生かす」(毎日新聞) (28日 9時48分)

- 土井さん帰還会見「明日にでも宇宙に戻りたい」(産経新聞) (28日9時44分)
- 「満たされている」= 帰還の土井さん(時事通信) (28日9時22分)
- 宇宙ビジネス、民間企業誘致 = 商業用発射台計画・NASA - 10年シャトル退役で(時事通信) (28日7時1分)
- <JAXA> 土井さん帰還で会見 「感激。経験次に生かす」(毎日新聞) (27日18時17分)
- 1000万円で無重力体験 = 米社(時事通信) (27日17時40分)
- エンデバー 大役果たした土井さんにねぎらいの声(毎日新聞) (27日16時45分)
- エンデバー ケネディ宇宙センターに着陸(毎日新聞) (27日16時36分)
- 1000万円で無重力体験 = 宇宙旅行でも低価格競争 - 米社(時事通信) (27日15時1分)
- 同僚飛行士と笑顔で話す土井さん(時事通信) (27日13時32分)



[ミサイル防衛] http://dailynews.yahoo.co.jp/fc/world/missile_defense_system/?1181274734

- 米欧露MD統合へ合意 プーチン大統領歓迎(産経新聞) (5日8時2分)
- ロシア大統領、拡大を批判 = NATO 首脳会議閉幕(時事通信) (5日1時0分)
- <NATO> アフガン駐留部隊への鉄道輸送を表明 露大統領(毎日新聞) (4日19時32分)
- 韓国は北ミサイル攻撃に脆弱、次期在韓米軍司令官(YONHAP NEWS) (4日10時47分)
- <ミサイル防衛計画> レーダ施設の建設、米とチェコが合意(毎日新聞) (3日23時58分)
- 「北がICBM開発継続」(産経新聞) (3日8時3分)
- 旧ソ連2国加盟、米欧に溝 = アフガン治安強化など協議 - NATO 首脳会議閉幕(時事通信) (3日1時1分)
- 北、核搭載可能な大陸間弾道弾開発 米国防総省高官(産経新聞) (2日16時5分)
- ペンタゴン「北朝鮮はICBM開発継続」(産経新聞) (2日14時37分)
- 背広組122人が入省式 = 防衛省(時事通信) (1日11時45分)
- NATO首脳会議、東方拡大が焦点(産経新聞) (3月31日23時38分)
- アフガン・拡大問題焦点 = 4月2日から NATO 首脳会議(時事通信) (30日15時1分)
- ミサイル発射を事実上確認 = 防衛省首脳(時事通信) (28日15時0分)

防衛省首脳は28日昼、北朝鮮が黄海海域で短距離ミサイル数発を発射したとの韓国聯合ニュースの報道について、「日本の安全保障上、重大な影響はない」と述べ、事実上確認した。また、同省幹部は「弾道ミサイルではないようだ」と語った。同省は、イージス艦の日本海派遣などの警戒態勢は取らない方針。

[米軍動向] http://dailynews.yahoo.co.jp/fc/world/us_armed_forces/

- 米爆撃機、滑走路で炎上 = カタール(時事通信) (5日13時1分)
- 韓国軍と米軍は血盟の戦友、金泰栄合同参謀議長(YONHAP NEWS) (4日15時33分)
- 泥水・鉄条網・女性兵士 米海兵隊司令に演習を披露(サーチナ・中国情報局) (4日11時24分)
- 米議会「韓国への作戦統制権移譲、時期早めるべき」(YONHAP NEWS) (4日10時48分)
- 韓国は北ミサイル攻撃に脆弱、次期在韓米軍司令官(YONHAP NEWS) (4日10時47分)

- ベル司令官「作戦統制権移譲の再検討は望まない」(YONHAP NEWS) (3日11時40分)
- イラク部隊削減7月まで＝年内14万人駐留か - 米統参議長(時事通信) (3日11時1分)
- レンジの保全中、不発弾発見し処理 ハンセン火災原因(琉球新報) (3日10時0分)
- 「北がICBM開発継続」(産経新聞) (3日8時3分)
- サドル師「反米」旗印、ポピュリストの才能発揮 米軍撤退後にらむ(産経新聞) (3日8時1分)
- 思いやり予算、きょう衆院通過 大幅遅れ、訓練に支障(産経新聞) (3日8時0分)
- 3日にも逮捕状請求＝日米合同委引き渡し要請へ - タクシー運転手刺殺・神奈川県警(時事通信) (3日1時1分)
- 笑顔の外相、民主は反対 思いやり予算(時事通信) (2日21時32分)
- 民主、思いやり予算に反対＝3日に衆院通過(時事通信) (2日21時1分)
- 「基地との共存難しくなる」＝空母配備へ影響否めず - 神奈川県知事(時事通信) (2日17時1分)
- 北、核搭載可能な大陸間弾道弾開発 米国防総省高官(産経新聞) (2日16時5分)
- ハンセン火災 原因は不発弾処理(琉球新報) (2日16時5分)
- ペンタゴン「北朝鮮はICBM開発継続」(産経新聞) (2日14時37分)
- <金属弾発射> 活動家宅など16カ所を家宅搜索(毎日新聞) (1日13時13分)
- 沖縄防衛局、嘉手納に移転＝米軍基地に隣接(時事通信) (1日11時30分)
- 米大使館爆破容疑者を起訴＝国防総省、死刑求刑へ(時事通信) (1日9時0分)
- 思いやり予算も期限切れ(産経新聞) (1日8時1分)
- 5月上旬訪米で調整＝米軍再編、イラクで意見交換 - 石破防衛相(時事通信) (3月31日19時1分)
- サドル師、戦闘停止を命令＝イラク(時事通信) (3月31日16時38分)
- 沖縄防衛局が嘉手納へ移転＝あす米軍基地近くに(時事通信) (3月31日13時1分)
- 燃える政府軍車両 バスラの戦闘続く(時事通信) (30日20時34分)
- マリキ政権もろさ浮き彫り(産経新聞) (30日8時1分)
- 【1都4県 週刊知事】東京 石原慎太郎知事 軍民共用の意義強調(産経新聞) (30日8時0分)
- イラク米軍がバスラ空爆、市民ら8人死亡・7人負傷(読売新聞) (29日21時22分)
- イラク政府軍のバスラ攻略、「単独作戦」失敗鮮明に(産経新聞) (29日20時5分)
- シーア派戦闘の犠牲者300人超＝首都では133人死亡 - イラク(時事通信) (29日19時1分)
- <イラク> マフディ軍掃討を継続 駐留米軍が初の本格介入(毎日新聞) (29日18時35分)
- <米軍グアム移転> 基地外整備も日本負担 発電所や上下水道(毎日新聞) (29日15時1分)
- 米軍生物兵器科学者に容疑＝01年の炭疽菌事件、FBI捜査 - FOX(時事通信) (29日12時0分)
- 米軍が民兵空爆 政府軍を「側面支援」(産経新聞) (29日8時1分)
- 米、民兵掃討を支持 イラク駐留軍削減に影響も(産経新聞) (29日8時1分)
- 「思いやり予算」初の空白、協定期限切れ米軍訓練移転先送り(読売新聞) (28日23時19分)
- シーア派戦闘に米軍介入＝首相、投降期限を延期 - イラク(時事通信) (28日22時1分)
- 警告射撃でエジプト人1人死亡＝スエズ運河で - 米海軍が謝罪(時事通信) (28日19時0分)
- 柳長官がゲーツ国防長官と会談、同盟の発展方向協議(YONHAP NEWS) (28日11時10分)
- <米大統領> 今夏以降の削減継続は慎重に検討 イラク駐留軍(毎日新聞) (28日10時45分)
- 抑止力強化へ統合運用促進＝斎藤統幕長、米統参議長と会談(時事通信) (28日7時1分)
- <米軍ジープ> 沖縄県立養護学校敷地に侵入 けが人はなし(毎日新聞) (27日23時52分)
- 「日米同盟維持の絶対必要条件」 横田基地の軍民共用化で石原知事(産経新聞) (27日22時19分)
- シーア派衝突拡大、治安悪化の恐れ＝クートで44人死亡 - イラク(時事通信) (27日21時0分)
- 核関連部品誤送 米大統領、中国に理解求める(産経新聞) (27日20時52分)

- バグダッドの米国大使館付近で黒煙(ロイター) (27日 19時 19分)
- 米軍、アルカイダ掃討でパキスタンでの空爆を強化 = 米紙(ロイター) (27日 15時 36分)

[核兵器] http://dailynews.yahoo.co.jp/fc/world/nuclear_weapons/

- <核開発疑惑> 中国が調査に協力、イランは孤立無援に 中国(Record China) (4日 14時 26分)
- 地球自転速度の謎解明 = 数十年周期の変化、液体核が原因 - 東工大など(時事通信) (4日 3時 30分)
- <外務省> 軍事費増大の中国を警戒 08年版「日本の軍縮」(毎日新聞) (1日 11時 54分)
- <北朝鮮> いら立ちの背景に深刻な食糧事情(毎日新聞) (28日 19時 53分)
- 核関連部品誤送 米大統領、中国に理解求める(産経新聞) (27日 20時 52分)

[ASAGUMO NEWS] 朝雲新聞社 <http://www.asagumo-news.com/>

4/3 「コラム」更新

・朝雲寸言 /// ・司法制度改革減速 /// ・イラク開戦とドイツ

3/31 「ニュース」更新

3事案(衝突・情報流出・火災)で調査報告 /// 石破大臣「速やかに再発防止策」
 衝突・情報流出・火災 3事案の懲戒処分 /// 免職2、停職17、減給など
 海幕長に赤星海将 /// 海自高級幹部異動
 離着任行事 /// 「信頼回復に全力」赤星海幕長 /// 「事故の責任痛感」吉川前海幕長
 防大卒業式 /// 福田首相「新たな息吹たれ」 /// 信頼回復へ改革強調
 次期戦闘機で調査団を派米
 ロシア哨戒機が太平洋沿岸往復
 1年ぶり6隊員帰国 /// ネパール支援団 1～3級賞詞を授与
 小牧で空中給油・輸送機 /// 機体内部などお披露目
 艦船事故調査委員会による調査について
 護衛艦「しらね」の火災事案について(概要)
 イーゼシステムに係る特別防衛秘密流出事案について(概要)
 クウェート空自輸空隊 任務運航5年目へ /// 過酷な環境下、延べ2900人余 /// イラク往復、676回

[民間航空機関連 (ex-SJAC 三輪さん)]

DL0403)

空中給油機(タンカー)発注をめぐり巻き返しを図るボーイング

GAO says Boeing may protest tanker award

The Government Accountability Office said Boeing may protest the military's decision to award a contract for refueling tankers to a team led by Northrop Grumman. Northrop objected to the protest and said it came too late. The Wall Street Journal (subscription required) (4/3)

F-35 ライトニング戦闘機のデータ・システム グッドリッチ社がロッキードから受注

Goodrich will provide air data system for Lockheed's F-35

Lockheed Martin has selected Goodrich to provide air data systems for **F-35** Lightning II fighter jets. Goodrich said the contract could be worth \$300 million in revenue, and it expects to start deliveries in the first quarter of 2009. CNNMoney.com (4/2)

ボーイング 水素電池による有人実験機成功

Boeing successfully flies plane powered by hydrogen battery

Earlier this year, Boeing flew a manned plane powered by a hydrogen battery for the first time in history. Company officials noted that hydrogen batteries were unlikely to become the primary source of energy for large planes. They said the company will continue to explore the potential of hydrogen batteries. Forbes (4/3)

FAA の航空機整備安全性チェック機能につき問題ありと議会で論議

Investigators attribute some maintenance problems to FAA supervisors

Congressional investigator Clay Foushee began looking at the FAA's oversight of maintenance lapses last year. Foushee, who has spent many years working on aviation safety, said some FAA supervisors had close relationships with airlines and prevented investigators from reporting problems. A House committee will discuss aviation maintenance today, and many FAA inspectors are expected to testify. Officials said four airlines are under investigation for not complying with safety directives. Southwest Airlines is among the carriers under scrutiny for maintenance lapses. ClipSyndicate/Associated Press (4/2) , The Wall Street Journal (subscription required) (4/3) , The Wall Street Journal (subscription required) (4/2) , The Dallas Morning News (4/3) , The Dallas Morning News (4/3) , CNN (4/3)

MD ヘリコプター テキサス州北部に新工場を移転

Helicopter firm may relocate to North Texas airport

Helicopter manufacturer MD Helicopter may relocate to North Texas Regional Airport. The airport is one of four finalists selected by the company, which could create 650 new jobs in the area over three years. Star-Telegram (Fort Worth, Texas) (4/3)

ユナイテッド航空 777 機検査続行でキャンセル便

United continues inspecting 777, cancels flights

United Airlines may continue inspecting some of its 777 jetliners through Thursday afternoon. The carrier had canceled 41 of its scheduled 777 departures as of Wednesday night. United noted that the inspections had nothing to do with the increased scrutiny of maintenance records. "This is totally an action by United, and nothing that involves an airworthiness directive on our part," an FAA spokeswoman said. Chicago Tribune (free registration) (4/2) , The Wall Street Journal (subscription required) (4/3)

Smart Quote

"If only we'd stop trying to be happy we could have a pretty good time."

--Edith Wharton, American author

幸せになろうとする気持ちを捨てさえすれば、それだけでいい時を持てる様になる

米国作家 エディス・ワートン

DL(0402)

米国防予算(GDP の4%台) における航空宇宙産業の立場

今春発効予定の米英国防条約-欧州との航空宇宙産業連携新時代の幕開け

Aerospace group pushes for floor on defense spending

Members of the Aerospace Industries Association want to see a floor of 4% of GDP spent on defense, AIA President Marion Blakey said.

She said a defense treaty between the U.S. and U.K. that could be ratified this spring could allow companies to exchange goods without an export license. "It's a game-changer, the ability for us to work together closely on technologies," Blakey said. Meanwhile, European aerospace and defense companies are being urged to sign an ethics code as part of an effort to improve the industry's reputation. Financial Times (4/2)

FAAの安全性に関する報告システムに疑問点

Some lawmakers question FAA's system for reporting safety problems

Some lawmakers say they are concerned about the FAA's oversight of airline maintenance and note that the system for regulating carriers may need an overhaul. The current monitoring system relies on carriers reporting problems to the FAA. The House Transportation and Infrastructure Committee will hold a hearing on FAA oversight on Thursday. The Washington Post (4/2) , Air Transport World (4/2) , Star-Telegram (Fort Worth, Texas) (4/2) , USA TODAY (4/1) , The Street.com (4/1) , CNN (4/1)

デルタ航空 今週にも役員会で合併事項の協議

Delta board will meet this week, may discuss merger, reports say

Delta Air Lines' board is expected to meet later this week, and it may discuss the possibility of a merger, according to media reports. Northwest Airlines recently suggested that the two airlines move forward with plans to merge. A Delta spokeswoman declined to confirm the board meeting. The Atlanta Journal-Constitution (free registration) (4/1)

ロンドン・ヒースロー空港 先週開場したターミナル5 手荷物システム不完全で多くのBA便キャンセル

British Airways continues to cancel flights at Heathrow

British Airways said it will continue canceling flights from London's Heathrow Airport through Friday. The cancellations are the result of a serious problem with the baggage system at the airport's newly opened Terminal 5. The problems have forced British Airways to cancel 300 flights since the terminal opened last week. The Wall Street Journal (subscription required) (4/2)

Smart Quote

"Forever is composed of nows."

--Emily Dickinson, American poet

「永遠」はいつもの「現在」からできている

米国詩人 エミリー・ディキンソン

DL(0401)

防衛関連予算(DOD)に対する会計監査(GAO)意見:予算過・日程遅延

DOD programs are overbudget, behind schedule, GAO says

Dozens of the DOD's weapons programs are years behind schedule and billions over budget, according to the Government Accountability Office. A DOD spokesman said the Pentagon is evaluating the GAO's comments. "We'd like to look at what GAO has said, and then at the appropriate time make an informed comment," he said. The GAO said the delays and costs were the result of technologies that are not mature enough to enter production and the length of time required to develop a system. Boeing and Lockheed Martin said they are committed to meeting DOD requirements in the most cost-effective ways possible. The Washington Post (4/1)

回転翼無人機(ハミングバード) 新たな耐久試験に挑戦 ボーイング+DARPA

Boeing aims to set endurance record with Hummingbird UAV

Boeing hopes to set a new world record for endurance flights with its A160T Hummingbird unmanned air vehicle. The flights are

supported by the Defense Advanced Research Projects Agency, and the goal is to prove the extended range of the large vertical takeoff and landing unmanned air system. "The range, endurance and payload are unique for a rotary-wing UAV, and we think it can provide a variety of missions all at the same time. We've proved we can get there quickly, stay a long time and fly to places that commanders think are important," said Boeing Advanced Systems' business development director Grady Eakin. Aviation Week & Space Technology (3/30)

フランス当局 EADS (エアバス親会社)にたいして、内部取引と株主ミスリードの訴え

French regulator presses charges against EADS

European aerospace firm EADS is facing charges of insider trading and misleading investors, according to media reports. The charges, filed by French regulators, are related to cost overruns and aircraft delays at Airbus, its commercial airline unit. EADS said it will "demonstrate that it has applied standards of excellence when communicating to the market, and has acted with full transparency." The Wall Street Journal (subscription required) (4/1) , The New York Times (4/2)

マレーシア航空 ボーイング 737 を 35 機発注 一方、エアバスと A380 の引渡し改定時期で合意

Malaysian carrier books Boeing order, reaches agreement with Airbus

Malaysian Airline System on Monday said it will buy 35 Boeing 737-800 aircraft. The order is worth \$2.7 billion, based on list prices. The airline also said it reached an agreement with European jetmaker Airbus on compensation and new delivery dates for six A380 jetliners. The Wall Street Journal (subscription required) (4/1)

Smart Quote

"Content makes poor men rich; discontentment makes rich men poor."

--Benjamin Franklin, U.S. inventor, statesman

満足は貧者を豊かにする; 一方 不満足は富者を貧しくする

米国・発明家・政治家 ベンジャミンフランクリン

DL(0331)

ボーイング 787 遅れを戻すべく対応策としてヴォート社買収

Boeing takes steps to get 787 back on schedule

Boeing said it will purchase Vought Aircraft Industries' interest in an assembly plant in South Carolina as part of a plan to get the production schedule of its 787 jetliner back on track. Vought and other 787 suppliers have struggled to keep the jetliner on schedule, leading to production delays. Terms of the agreement were not disclosed. The Wall Street Journal (subscription required) (3/29)

V-22 発注

Textron, Boeing land contract for V-22 aircraft

A new DOD contract will require Textron and Boeing to build 167 additional V-22 Osprey aircraft through 2012. The contract is worth \$10.4 billion, and the DOD estimated that it will cost \$427 million less than annual contracts to produce the plane. Bloomberg (3/31)

三菱重工 40 年ぶりの日本国産旅客機にのりだす

Mitsubishi Heavy will build first Japanese passenger jet in 40 years

Mitsubishi Heavy Industries is preparing to build the first passenger planes made by Japan in about 40 years. The company said the 70- to 90-seat passenger jet could start flying as early as 2013. The Wall Street Journal (subscription required) (3/31)

ノースウエスト航空 デルタ航空に合併の意思伝える

Northwest tells Delta it wants to proceed with merger, reports say

Northwest Airlines has suggested to Delta Air Lines that the two carriers move forward with plans to merge, according to media reports. The airlines had hoped their pilot unions would reach an agreement on integrating seniority lists prior to a final merger agreement. Delta is considering Northwest's proposal, according to media reports. The Wall Street Journal (subscription required) (3/29) , The New York Times (3/29) , The Atlanta Journal-Constitution (free registration) (3/28) , Reuters (3/29)

ユナイテッド航空 A320 機のランディングギアへの油圧系配管を事故原因にあげる

United says wiring problems caused two runway incidents

Faulty wiring connected to the main landing gear of two of United Airlines' Airbus A320 jetliners has caused two runway accidents, the airline and government officials said. A spokeswoman for the airline said all of United's maintenance work follows the FAA's mandated maintenance program. United and accident investigators are looking into whether inadequate tests or mistakes made by mechanics caused the problem. The Wall Street Journal (subscription required) (3/30) , The New York Times (3/30) , Bloomberg (3/30) , Chicago Tribune (free registration) (3/30)

FAA エアラインのメンテナンス規則違反レベルは高いと発表

FAA finds high level of maintenance compliance, report says

An FAA report expected to be released this week will state that the airlines have a high rate of compliance with the agency's maintenance procedures, according to media reports. The report is the result of spot checks of maintenance practices over the past two weeks, and it is not expected to cite any major carrier for maintenance lapses. The Wall Street Journal (subscription required) (3/29) , Air Transport World (3/31)

エアライン 徹底した重量軽減で燃料費高騰に対応策

Airlines fight fuel costs by cutting weight

Airlines are trying to lower their fuel costs by eliminating weight from their aircraft. Some carriers are removing redundant wing lights and selecting snacks that come in lighter packaging, for example. Meanwhile, manufacturers are building planes out of lighter materials. Air Transport Association Chief Economist John Heimlich noted that carriers are facing intense pressure to cut weight as fuel costs climb. "Every penny more per gallon adds \$195 million to the industry's expenses per year," he noted. USA TODAY/Associated Press (3/29)

Smart Quote

"Almost every wise saying has an opposite one, no less wise, to balance it."

--George Santayana, philosopher, poet

どんな立派な格言にも、反対のことが言える；バランスを取ることが賢い知恵だ。

哲学者・詩人 ジョージ・サンタヤナ

DL(0328)

英空軍むけ空中給油機 EADS が A330-200 改造機で受注

EADS lands U.K. contract for refueling tankers

Airbus parent EADS has won a \$26.36 billion contract to provide refueling tankers to the British military. Airbus will provide the Royal Air Force with 14 new A330-200 passenger aircraft converted for the military. AirTanker, a consortium led by EADS, will own the planes and fly them in RAF colors. The Washington Post/Associated Press (3/28)

沿岸警備隊 無人機(UAV)配備の計画

Coast Guard considers options for UAVs

The Coast Guard is in a pre-acquisition phase for unmanned aerial vehicles and is evaluating basing options. Flight tests with Customs and Border Patrol using a Predator B concluded this week. Officials note that the Coast Guard requires maritime surveillance and said shipboard UAV may be able to provide such capability. Aerospace Daily & Defense Report (3/27)

ボーイング 787 さらに遅延の懸念を航空アナリストが

Analyst expects additional delays for Boeing 787

Citigroup analyst George Shapiro said he expects Boeing to delay its 787 program for six more months. "All of the delays will result in penalty payments of \$2.5 billion to \$3 billion," Shapiro wrote in a note to investors. "We expect additional problems in the flight-test program." Boeing has said it plans to discuss the production schedules for its 787 in early April. Chicago Tribune/Bloomberg (free registration) (3/28)

FAAの安全性検査で 運航キャンセル相次ぐ

FAA safety directive forces hundreds of cancellations

An FAA safety directive forced Delta Air Lines and American Airlines to cancel more than 700 flights this week. The directive requires carriers to check wiring on certain jetliners. Other carriers say they have no immediate plans to cancel flights, but some observers say the directive could continue to disrupt operations. American repaired wiring on 145 of the 291 jetliners that it inspected. ClipSyndicate/Associated Press (3/28) , USA TODAY (3/27) , The New York Times (3/28) , The New York Times/Associated Press (3/28) , The Washington Post (3/28) , The Atlanta Journal-Constitution (free registration) (3/27)

USエアウェイズ航空 メンテナンスチェック後 翼の改修

US Airways repairs wings after learning of faulty maintenance

US Airways recently learned of improper maintenance on the wings of seven of its Boeing 757 jetliners, according to media reports. Last week, a panel flew off the wing of one of its aircraft in midflight. The incident did not cause any injuries. The airline said it has completed repairs on all but one of the planes. The Wall Street Journal (subscription required) (3/28)

機内ブロードバンドサービス アメリカン航空で試験開始

AirCell says U.S. travelers may have in-flight broadband soon

AirCell said it is ready to launch a national air-to-ground in-flight network. The network would allow a traveler to connect a BlackBerry to the Internet using Wi-Fi. AirCell has signed a contract with American Airlines for a 15-plane trial. The Washington Post/PC World (3/28)

3月30日発効の欧米オープンスカイ協定のもたらすもの

New U.S.-EU open-skies pact takes effect on Sunday

Starting Sunday, any U.S. airline may serve London's Heathrow Airport and EU airlines may fly to the U.S. from any EU airport. Officials expect fares to decline, and they note that travelers may eventually face fewer security hassles. The Wall Street Journal (subscription required) (3/28)

Smart Quote

"No sale is really complete until the product is worn out, and the customer is satisfied."

--L.L. Bean, founder of retailer L.L. Bean

どんなものでも販売することは、販売した商品が使い切れ、お客が満足して、はじめて完遂するものだ。

エルエルビーン創始者:L.L.ビーン

(DL0327)

古い機体はエアラインにとりメンテナンスと燃料代が高む

Airlines with older jetliners spend more on maintenance, fuel

Financial problems have forced U.S. carriers to postpone buying new planes. As a result, they now operate some of the oldest fleets in the world, observers say. Older planes require carriers to spend more on maintenance and fuel, experts say. Los Angeles Times (free registration) (3/27)

アメリカン航空 デルタ航空 MD-80 配管点検

American, Delta inspect MD-80s for faulty wiring

American Airlines and Delta Air Lines on Wednesday inspected hundreds of aircraft to make sure the planes' wiring was installed and secured correctly. The inspections forced American to cancel more than 10% of its schedule; Delta did not indicate how many flights were canceled. The airline inspected McDonnell-Douglas MD-80s, MD-88s and MD-90s. The Street.com (3/26) , The Street.com (3/26) , The Wall Street Journal (subscription required) (3/27) , The New York Times (3/27) , The Washington Post (3/27) , The Dallas Morning News (3/27)

三菱重工リージョナル市場参入

Japan plans to enter regional jet market

Japan's Mitsubishi Heavy Industries plans to launch a program to build small jetliners. The regional jets would seat 96 people and would start operating in 2012. The government has indicated that it will contribute one-third of the plane's development budget. The Wall Street Journal (subscription required) (3/27)

FAA 安全性に関する新システム

FAA official creates new system for reporting safety problems

The top FAA safety administrator is proposing changes aimed at making it easier for federal inspectors to raise concerns about safety. FAA Associate Administrator for Aviation Safety Nicholas Sabatini also wants to assure travelers that airlines are safe. "We have reduced the accident rate to where it's the safest period ever in the history of aviation," he said. "The people in the air-carrier business know that they cannot afford to cut corners, particularly when they're under the microscope." The Wall Street Journal (subscription required) (3/27)

燃料費高騰で 2008 年エアライン業界は赤字になるところ増えたと予想

Soaring fuel prices may push carriers to losses in 2008

High fuel costs and the weaker U.S. economy may cause domestic carriers to post a loss in 2008. Some observers hoped that consolidation would allow carriers to offset fuel prices. However, in what had been seen as the most likely combination, pilots at Delta Air Lines and Northwest Airlines could not agree on seniority issues, stalling a merger between the two carriers. CNNMoney.com/Dow Jones Newswires (3/26)

Smart Quote

"Imagination is more important than knowledge."

--Albert Einstein, German-born Swiss-American physicist

知識より大切な想像力

ドイツ生まれスイス-アメリカ人物理学者 アルバート・アインシュタイン

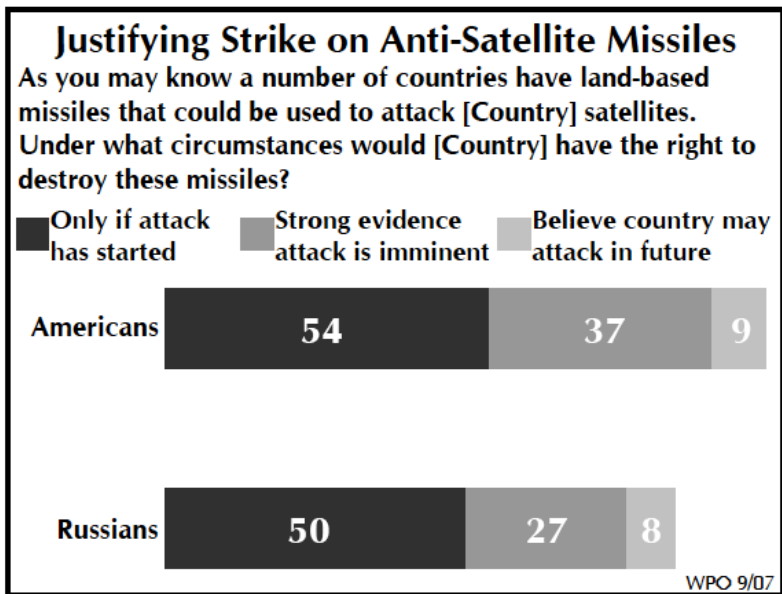
Delta inspect MD-80s for faulty wiring American,

American Airlines and Delta Air Lines on Wednesday inspected hundreds of aircraft to make sure the planes' wiring was installed and secured correctly. The inspections forced American to cancel more than 10% of its schedule; Delta did not indicate how many flights were canceled. The airline inspected McDonnell-Douglas MD-80s, MD-88s and MD-90s. The Street.com (3/26) , The Street.com (3/26) , The Wall Street Journal (subscription required) (3/27) , The New York Times (3/27) , The Washington Post (3/27) , The Dallas Morning News (3/27)

[既刊記事紹介] AW&ST 08.03.17 Anti-ASAT



[既刊紹介] 宇宙兵器に関する米国人とロシア人の考え Americans and Russians on Space Weapons



Cover

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http://www.worldpublicopinion.org/pipa/pdf/jan08/CISSM_Space_Jan08_rpt.pdf

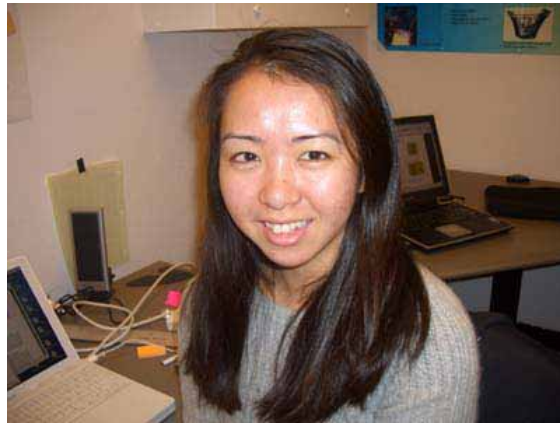
[論文紹介]

マイクロ磁気を使った衛星システムのフォーメーション・フライト

Micro-Electromagnetic Formation Flight of Satellite Systems

2007.5 Space Systems Lab., MIT

Micro-Electromagnetic Formation Flight of Satellite Systems
by
Aya Sakaguchi
B.S. Mechanical and Aerospace Engineering
Cornell University, 2005
SUBMITTED TO THE DEPARTMENT OF
AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
IN PARTIAL FULFILLMENT OF THE DEGREE OF
MASTER OF SCIENCE IN AERONAUTICS AND ASTRONAUTICS
at the
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
May 2007
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[編注] Space Systems Lab., MIT では継続的に Formation Flight の研究がされているようです。

[記念切手] 08.03.21 発売 日本天文学会_創立 100 年_記念



[Globalsecurity.com](http://www.globalsecurity.org/space/index.html) <http://www.globalsecurity.org/space/index.html>

[National Security](#)

NATO Invites New Members, Backs Bush On Missile Defense VOA 03 Apr 2008

US Official Says NATO to Endorse Missile Shield VOA 03 Apr 2008

Missile Defense & Balanced Approach AFPS 01 Apr 2008 -- The US must underpin its offensive capabilities with protective systems such as missile defense, the vice chairman of the Joint Chiefs of Staff said

Putin, Bush may sign missile shield document RIA Novosti 01 Apr 2008

Bush: Russia can defeat US missile shield in Europe RIA Novosti 01 Apr 2008 -- Pres. Bush said the missile shield planned for Central Europe would be no threat to Moscow, as Russia has sufficient firepower to overcome it

US uncertain missile shield deal can be reached in S.Russia RIA Novosti 01 Apr 2008 -- The U.S. and Russia may not resolve their European

missile shield dispute at an upcoming meeting in Sochi between the presidents

U.S. to Push European Missile Defense Plans AFPS 31 Mar 2008 -- The United States will continue to push for a missile defense system in Europe
US, Russia fail to overcome missile shield differences RIA Novosti 28 Mar 2008 -- The US & Russia failed to settle differences on the disputed missile defense plans for Europe during two days of talks in Washington.

[Industry](#)

NextGen Astronomy Missions Study Contracts Northrop Grumman 03 Apr 2008 -- Northrop Grumman is a partner on five contracts awarded by NASA to investigate concepts for next-generation space telescopes.

Raytheon & NASA's Johnson Space Center Contract to Perform Flight Controller And Instructor Training Needs Analysis Raytheon 02 Apr 2008

Boeing Submits GOES R Proposal to NASA Boeing 31 Mar 2008

Raytheon's JLENS Completes Critical Milestone Raytheon 31 Mar 2008

Raytheon Completes GPS OCX SRR Raytheon 28 Mar 2008

Raytheon Receives \$22.9 Million to Develop Initial Concurrent Test, Training and Operations Capability Raytheon 27 Mar 2008

[\[spacetoday.net: military\]](#) http://www.spacetoday.net/articles_bycategory.php?cid=18

Wednesday, April 2

Space Radar Cancellation Confirmed

Aerospace Daily 12:08 pm ET (1608 GMT)

Tuesday, April 1

Boeing, Lockheed team win Air Force deal

AP 7:37 pm ET (2337 GMT)

U.S. Air Force Awards United Launch Alliance MUOS Satellite Launch

PR Newswire 7:36 pm ET (2336 GMT)

Inside the Black Budget

New York Times 7:15 am ET (1115 GMT)

Monday, March 31

Congress Could Push Space Security Strategy

Aerospace Daily 12:24 pm ET (1624 GMT)

Killer birdie

The Space Review 7:48 am ET (1148 GMT)

Saturday, March 29

Researchers explore materials degradation in space

US Air Force 9:07 am ET (1307 GMT)

Friday, March 28

China's space development can pose military threat: Japan

AFP 9:09 am ET (1309 GMT)

GAO urges space strategy: Military, intelligence agency tools need to be consistent, watchdog says

Florida Today 8:41 am ET (1241 GMT)

Thursday, March 27

U.S. lacks roadmap for space security: U.S. auditors

Reuters 6:43 pm ET (2243 GMT)

Vandenberg lieutenant has special tie to Endeavour mission

US Air Force 5:08 pm ET (2108 GMT)

[\[spacetoday.net: China\]](#) http://www.spacetoday.net/articles_bycategory.php?cid=42

Wednesday, April 2

China to orbit Venezuela-Uruguay satellite in 2008

RIA Novosti 12:16 pm ET (1616 GMT)

Tuesday, April 1

2nd Chinese Lunar Mission To Be Orbiter

Aviation Week 6:53 pm ET (2253 GMT)

Friday, March 28

China's space development can pose military threat: Japan

AFP 9:09 am ET (1309 GMT)

March 31, 2008

- * Obering: Next Budget May Bolster Sea-Based, Land-Mobile Missile Interceptors
 - * Penultimate Pentagon Leader Says Missile Defense Must Be Supported
 - * Space Shuttle Emergency Thermal Tile Repair Being Tested At Johnson Space Center
 - * U.S., Czech, Polish Figures See Agreement Soon On European Missile Defense Sites
 - * Analyst: Obama Would Be A Nightmare For Defense Programs, Firms; McCain Might Be Better, But He Might Continue Hitting Contractors; Clinton Might Not Be Bad
 - * Bush To Meet With Putin Over Russian Criticism Of European Missile Defense
 - * Rep. Franks Sees U.S. Satellite Shutdown Bolstering Missile Defense
 - * Missile Defense Opponent Sees Its Funding About To Tumble
 - * Griffin Intervenes To Prevent Mars Rovers From Being Curtailed, Idled
 - * Northrop Ends Test Of Missile-Thwarting System On Civilian Planes, As Guardian Pod Is Removed
 - * Boeing To Gain New Sole Source Ground-based Midcourse Defense Contract
 - * Congress Should Weigh Forcing Secretary Of Defense, Director Of National Intelligence, To Issue National Security Space Strategy:
- GAO
- * Launches /// * Contracts
-

April 3, 2008

- * High Costs, Operational Challenges Among Lessons Learned In Secure Freight Initiative
- * Navy To Seek Industry Input In Maturing Technology For Carrier Drone Program
- * Third VH-71 Helicopter Preps For Final Assembly And Mission Systems Integration
- * Osprey Engine Durability Issue Leading Navy To Explore Options
- * Lockheed Martin Signs \$198 Million U.K. Situational Awareness Contract
- * GAO Says Airborne Laser Costs Up, But Obering Says They Stabilized Recently

April 2, 2008

- * Kehler: **TSAT** Study To Go To Lawmakers In Spring
- * Northrop Grumman Awards Bath Iron Works Construction Work On LPD-24
- * Obering: Next Budget May Bolster Sea-Based, Land-Mobile Missile Interceptors
- * BAE Systems To Produce More M777A2 Howitzers
- * General Dynamics, Part of Lockheed Martin JTRS AMF Team, Plans Work
- * USSOCOM Plans Industry Conference Next Month
- * NNSA Calls On Corps of Engineers To Manage Big Plutonium Project
- * DHS Still Needs To Get S&T Priorities Right, Langevin Says

April 1, 2008

- * Key Meeting On BAMS Expected Next Week, Followed By Contract Award This Month
- * Lord: Air Force Cyberspace Command Needs Faster Acquisition Process
- * Raytheon Sees Its STUAS Bid As 'Killer' Solution, Draft RFP Expected This Month

- * Raytheon's JLENS Successful In Preliminary Design Review
- * Robonic Delivers Third Generation Launcher To Finnish Defense Forces

March 31, 2008

- * Defense Watch
- * Lockheed Martin Tops Boeing for JTRS AMF Work
- * Navy Could Lower DDG-1000 Cost Even Further By Building Two A Year, Official Says
- * Corley: Next-Gen Bomber Likely Manned At First, Unmanned In Follow-On Increments
- * U.S. Issues Final Rule For Travel In Western Hemisphere

March 28, 2008

- * Corley Pushes Plan To Maintain 76 B-52s, Create Nuclear-Tasked Squadron For The Bombers
- * Raytheon Ready For LADS Mortar Tests Later This Year
- * Earnings Tumble Despite Sales Increase For IAI In Fourth Quarter
- * Northrop Grumman Wins Management System Contract For U.K. Astute-Class Sub
- * U.K. Defense Budget About \$68 Billion For 2008-2009, Minister Says
- * Air Force Seeks To Dismiss Parts of Boeing's Tanker Protest
- * Raytheon Awarded \$17.8 Million For NATO Seasparrow
- * Lockheed Martin Completes Static Load Tests of First MUOS Satellite

March 27, 2008

- * GD Successfully Integrates LCS Mission Package Computing Environment
- * Navy Needs To Invest In ISR, Maintain ASW Advantages, CNO Says
- * GAO May Extend Air Force's Tanker-Response Deadline, Expects A Hearing
- * Raytheon Continues 'Revolutionary' Upgrades To AIM-9X, Official Says
- * ATK In Technology Development Pact With Ad Astra
- * Air Force Mulls Building Reactors At Two Bases
- * SAIC Posts Strong End To Fiscal Year
- * Northrop Grumman Wraps Up C-Manpads Demo Program, Removing Pod From Civilian Aircraft
- * Accident Investigation Begins On B-2 Bomber Crash
- * Boeing Pursuing \$18 Billion of Satellite Work