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Defense News 070219, 070226, AIAA Aerospace America 07.02 カバーアップ、AW&ST 070219, 070226 カバーと目次アップ、  
RESTEC 58 号 H19.1, ISAS News 07.02 No.311 カバーアップ、科学技術動向 07.02 カバーと目次リンク、宇宙関連記事 pdf アップ

[寄贈] MEXT NISTEP 「科学技術動向 07.02」寄贈、感謝。

JAXA 「ISAS News 07.02 No.311」寄贈、感謝。

(財)リモート・センシング技術センター「RESTEC 58 号 H19.1」寄贈、感謝。

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[誤り訂正] 070227MS page 1

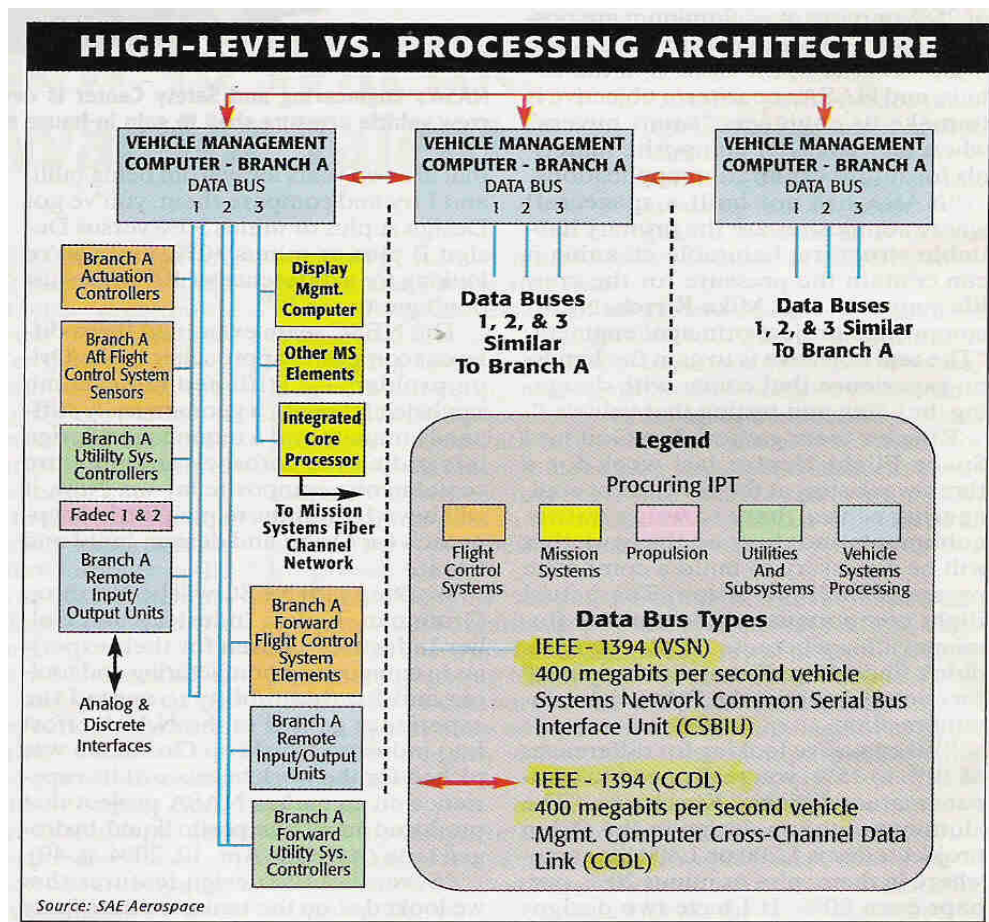
2006 年の打上げ状況国 で生じたデブリ /// 打上げ状況国 による全デブリ発生

Debris created by launching state in 2006 /// Total debris creation by launching state

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07.02.05 AW&ST page 56

エレクトリック・ジェット:F-35 のピークル・ネットワークは飛行制御、推進系とサブシステム処理を統合

The Electric Jet F-35's vehicle network integrates flight controls, propulsion and subsystem processing



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07.02 科学技術動向 トピックス page 7

衛星打上げ状況から見た世界の宇宙開発・利用動向

衛星所有国・機関	打上げロケット別 2006 年衛星数							
	政府等				民間の商業打上げ			計
	米	ロ	日	中	アリアン	ILS	SL	
米 国	22 (1)	1			3 (3)		3 (3)	29 (7)
ロシア		15						15
日 本			8 (2)		2 (1)		1 (1)	11 (4)
中 国				7 (3)				7 (3)
国際機関		1			1 (1)	3 (2)		5 (3)
その他	6	4			5 (5)	3 (3)	1 (1)	19 (9)
計	28 (1)	21	8 (2)	7 (3)	11 (10)	6 (5)	5 (5)	86 (26)

ミッションの種類	所有国別 2006 年衛星数			
	米	ロ	その他	計
有人宇宙船	3	2		5
物資補給船		3		3
地球観測	3	4	6	13
気象観測	2		3	5
通信放送	6	1	17	24
航行測位	2	3		5
宇宙科学	3		12	15
技術開発等	10	2	4	16
計	29	15	42	86

March 1, 2007 CDI Space Security Update #2 Center for Defense Information www.cdi.org

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### 中国の ASAT にかからんで、Philip Coyle 氏の米国(衛星への依存性大)が宇宙軍備管理を妨げている理由についての質問

NB#1: In a recent analysis for Harvard's Neiman Watchdog, CDI Senior Advisor Philip Coyle challenges reporters to ask the important questions facing the international community in light of China's recent ASAT test. Why has the United States been

blocking arms control in space? Doesn't the United States, with its heavy dependence on space satellites, have the most to lose? Read his questions at

[http://www.cdi.org/program/document.cfm?DocumentID=3835&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from\\_page=index.cfm](http://www.cdi.org/program/document.cfm?DocumentID=3835&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm)

### 中国の ASAT にかからんで、進行中の宇宙兵装化論議の含み、米中関係への影響、中国の最近の宇宙開発への米国の潜在的動きの分析

NB#2: On Jan. 11, 2007, China launched a medium-range ballistic missile at an old weather satellite in-orbit. The test destroyed the satellite and allowed China to pick up the reins of a space arms race that the United States officially dropped 20

years ago. CDI experts explain the test's implications for the on-going space weaponization debate, what it means for U.S.-Sino relations, and potential U.S. reactions to China's latest space development. The analysis is available at

[http://www.cdi.org/program/document.cfm?DocumentID=3800&StartRow=11&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from\\_page=index.cfm](http://www.cdi.org/program/document.cfm?DocumentID=3800&StartRow=11&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm)

### 中国の ASAT にかからんでインテルサット McGlade CEO の懸念と SSA(宇宙状況認識)への予算増加と宇宙道交法の実現要求

NB#3: In a fascinating op-ed in the Feb. 19, 2007, issue of Space News, David McGlade - CEO of Intelsat - worries about the consequences of China's recent ASAT test on orbital debris and consequently satellites. He calls for increased funding for space situational awareness, implementation of the Commercial

and Foreign Entities Program, and cooperation on "Rules of the Road" for space. He ends with the note, "It is essential that the United States and its allies provide leadership on space management issues today to protect the space activities of tomorrow."

### 米国防総省の 2008 予算要求分析:ASAT 衛星攻撃兵器と宇宙配備兵器能力に関連する計画が\$1B 超に

NB#4: The Pentagon's fiscal year 2008 budget request funds slightly more than \$1 billion in programs that could provide anti-satellite and space-based weapons capabilities, according to a new analysis by the Center for Defense Information (CDI). In the absence of a clear national strategy to secure the future use of space, the development and testing of such technologies and the deployment of dual-use capabilities without rules of the road

for their operations will threaten other nations and drive U.S. policy toward space weaponization. CDI combed through the Air Force and Missile Defense Agency's (MDA) budget requests and highlighted programs which merit further examination. Of most concern are the MDA's **Space Test Bed**, the Air Force's Experimental Satellite Series (XSS) and Autonomous Nanosatellite Guardian for Evaluating Local Space (ANGELS),

and the **Starfire Optical Range** laser facility. The complete <http://www.cdi.org/PDFs/SpaceWeaponsSpendingintheFY2008DefenseBudget.pdf>

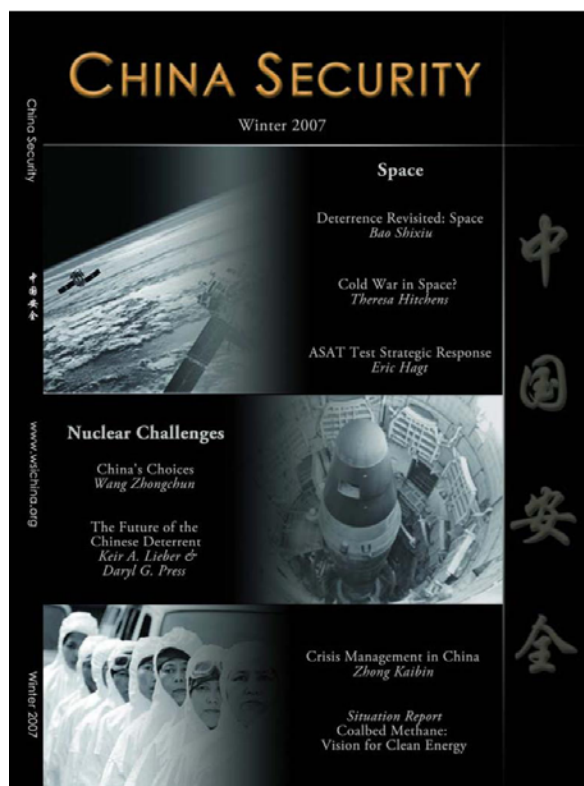
analysis is available at

### チャイナ・セキュリティ Winter 2007 号 発行、中国の ASAT テストの動機分析他

NB#5: The China Security Winter 2007 issue is now available. China's ASAT test was a defining moment for the security of outer space. Three articles in the current issue of China Security explore China's motivations behind the test, U.S. and international reactions, and implications for the delicate strategic balance in space. Complementing these analyses, this issue also discusses the rationale for China's robust deterrence in space.

China Security is a policy journal that brings diverse Chinese perspectives to Washington on vital traditional and non-traditional security issues that impact China's strategic development and its relations with the United States. To subscribe to the electronic version of China Security, go to: [www.wsichina.org](http://www.wsichina.org), or to access the current issue, go to

[http://www.cdi.org/program/document.cfm?DocumentID=3852&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from\\_page=index.cfm](http://www.cdi.org/program/document.cfm?DocumentID=3852&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm)



### スターウォーズの復活： テレサ・ヒッチンスの ASAT へのレビュー

NB#6: In "Return of the Star Wars," an analysis recently published in Bulletin of the Atomic Scientists, CDI Director Theresa Hitchens reviews a report authored by an "independent" group of advocators for space-orbiting missile

interceptors. Hitchens retaliates against the report, arguing that there is insufficient technical and cost data needed for a peer review of their claims. Her review can be seen at

[http://www.cdi.org/program/document.cfm?DocumentID=3815&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from\\_page=index.cfm](http://www.cdi.org/program/document.cfm?DocumentID=3815&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm)

### Space Fence の開発、メンテ及び将来の分析: Black CDI リサーチ・アシスタント

NB#7: In his recent analysis, CDI Research Assistant Sam Black details the development, maintenance and future of the great Space Fence. The Space Fence has detected objects that orbit over or near the U.S. 33rd parallel since 1961. A "shining

example of efficiency, effectiveness, and longevity," Black says that its accomplishments should not be overlooked. Read the full article at

## 米国宇宙政策 1996(クリントン)、2006(ブッシュ)と 2001 ラムズフェルド・レポートの比較分析

NB#8: The difference between the language of the 1996 Clinton National Space Policy and that of the George W. Bush National Space Policy of a decade later are seemingly subtle. An intermediate step between these two policies was the January 2001 report of the Commission to Assess United States National

Security Space Management and Organization or, less formally, the Rumsfeld Space Commission. CDI Research Assistant Sam Black explains the significance of the commission's report in "The Rhetoric of the Rumsfeld Commission." The full analysis is available at

[http://www.cdi.org/program/document.cfm?DocumentID=3816&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from\\_page=index.cfm](http://www.cdi.org/program/document.cfm?DocumentID=3816&StartRow=1&ListRows=10&appendURL=&Orderby=D.DateLastUpdated&ProgramID=68&from_page=index.cfm)

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#### 6. FY 08 Budget Targets Space Situational Awareness, Interagency

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### 1. インドの宇宙への増大する野望

#### 1. India's Growing Ambitions for Space

On Jan. 10, 2007, India's space program took its next big step. A satellite was launched by the civilian Indian Space Research Organization (ISRO) with the goal of de-orbiting safely into the Bay of Bengal. The capsule, which was recovered on Jan. 22, signified India's membership in the prestigious group of nations that can successfully launch and recover a space capsule. The United States, Russia, China, and the European Union are the only others who have accomplished this task. By 2020, India

### Ties

### 中国は新しい衛星打上げセンタを建設する

#### 7. China to Build New Satellite Launching Center

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#### 10. Generals See Barriers in Starting Dialogue on Global Space Rules

### イランは自国製の打上げ能力開発を養う

#### 11. Iran Furthers Development of Indigenous Launch Capability

hopes to have sent craft to the moon and Mars and is also considering a manned mission. Though the prestige associated with mastering this technology is not insignificant, India is also eyeing other prizes. It hopes its successes will allow India to secure more contracts for launch and engineering services. (Christian Science Monitor, Jan. 11, 2007; ISRO Press Release, Jan. 22, 2007)

### 2. インド-ロシア宇宙協力拡大

#### 2. Indo-Russian Space Cooperation Grows

During Russian President Vladimir Putin's visit to India in late January, a number of agreements were signed that signaled strengthened ties between the two Asian giants. Russia's GLONASS satellite navigation system will be made available for

Indian use, and the latter will aid in the system's deployment by offering the use of its launch facilities and rockets. Putin and Indian Prime Minister Manmohan Singh also released a joint statement calling for a "weapons free outer space" in response

to the Chinese anti-satellite (ASAT) weapon test. (RIA Novosti,

Jan. 23, 2007; Agence France-Presse, Jan. 25, 2007)

### 3. スペースデブリへの懸念が強まる

#### 3. Concern about Space Debris Intensifies

On Feb. 19, 2007, a derelict Russian rocket booster exploded in orbit, creating more than 1,100 pieces of detectable debris (greater than 10 cm in size). This event, when combined with China's January ASAT test, has led to a 20 percent increase in the amount of debris in orbit so far in 2007. The 2,000 or so pieces of additional debris created this year is equivalent to the amount created over the last 10 years combined. While experts say that neither event poses a direct threat to any operational

satellites in the short term, some are very concerned about an eventual collision. Should the debris problem continue to grow, spacecraft will have to be armored to protect against potential collisions, causing the costs of operating in space to rise sharply. In its most extreme case, space debris could cause the onset of the Kessler Syndrome, in which space debris is prevalent to the degree that launchings become physically impossible. (Space.com, Feb. 21, 2007; New York Times, Feb. 6, 2007)

### 4. 軍事ニア・スペース情報ハブの第一フェイズ完了

#### 4. First Phase of Military Near-space Information Hub Complete

Boeing and the U.S. Air Force have completed the first phase of Project Marti, the initiative to develop a high-altitude platform for use as a theater-wide information broker. The goal of the project is to allow individual users to access real-time intelligence data as it is collected without overwhelming existing

satellite communications networks. The system envisions using a specially-designed balloon stationed at an altitude of 75,000-80,000 feet, allowing it to distribute information to users up to 200 miles away. (Defense Daily, Jan. 18, 2007)

### 5. ESA は Galileo の問題を解決中

#### 5. ESA Fixing Galileo Problems

The head of the European Space Agency (ESA) said on Jan. 17, 2007, that problems with a test satellite for the Galileo satellite navigation system were being addressed, though he gave no date for its launch. ESA has twice postponed the launch of the

second Galileo test satellite since the successful launch of the first in December 2005. Galileo, unlike the American GPS system, is planned to be completely under civilian control. (Agence France-Presse, Jan. 17, 2007).

### 6. FY08 予算は SSA(宇宙状況認識)と省庁間の結束を狙う

#### 6. FY 08 Budget Targets Space Situational Awareness, Interagency Ties

The fiscal year 2008 (FY 08) budget funds numerous space systems, and more funds may be reprogrammed to develop sensors which would be placed on future satellite systems. These sensors would be able to give much more detailed information than is currently available about the area surrounding these satellites. There are other space situational awareness systems that currently are funded, including the legacy Space Fence network and the advanced Space-based Space Surveillance (SBSS) satellite system. The latter is to receive

\$1.25 billion over the next five years. The budget also tries to enhance cooperation between the National Reconnaissance Office (NRO) and the U.S. Air Force. The Space Radar system has been a casualty of the distance between the two organizations, having suffered technological and budget setbacks in recent years. Donald Kerr, head of the NRO, noted that the lack of mission overlap meant that "you don't always have a common approach." (Defense Daily, Feb. 8, 2007; Asian Wall Street Journal, Feb. 6, 2007)

### 7. 中国は新しい衛星打上げセンタを建設する



## 7. China to Build New Satellite Launching Center

China has announced plans to construct a new satellite launching center, its fourth, in Hainan province. The province is the smallest in China, and is located in the South China Sea. Due to its relative proximity to the equator (19° N latitude), launches

from the new center will be able to lob an extra 300 kg into orbit, amounting to savings of \$6 million (in U.S. dollars) per launch. (Xinhua News Agency, Feb. 8, 2007)

## 8. TSAT 計画は予算削減に直面

### 8. TSAT Program Faces Cuts

The Air Force's Transformational Satellite Communications (TSAT) program will be stretched out over a longer time period due to budget pressures, according to industry and government officials. The FY 08 budget request for \$1 billion is half of what

was projected just two years ago, and will lead to a year's delay in the launch of the first satellite, which is now scheduled for 2015. (Wall Street Journal, Feb. 5 2007)

## 9. Eutelsat 衛星が妨害を受ける; 細部は不明

### 9. Eutelsat Satellite Jammed; Details Uncertain

Unidentified interference temporarily knocked out the broadcasts of several European, Middle Eastern, and northeast African radio and television stations in January. Service was resumed after

the satellite's owner, Paris-based Eutelsat, changed the frequency of the broadcast. There was no early indication that the interference was deliberate. (New Scientist, Jan. 26, 2007)

## 10. 大將はグローバルな宇宙法の対話開始への障害をみとめる

### 10. Generals See Barriers in Starting Dialogue on Global Space Rules

While international cooperation currently exists in the realm of commercial space launches, some in the U.S. military say this is not enough. Among the uses of a dialogue on "rules of the road" could be a forum for resolving ambiguous developments in space. One of these developments was the recent Chinese ASAT test. While there is some debate as to the utility of such

cooperation, all sides seem to agree that the first step in safeguarding U.S. interests in space is improving space situational awareness. However, the U.S. and Chinese governments have been far from assertive in beginning a dialogue on the subject. (Inside Defense, Feb. 1, 2007)

## 11. イランは自国製の打上げ能力開発を養う

### 11. Iran Furthers Development of Indigenous Launch Capability

Iran announced on Feb. 24, 2007, that it had launched a rocket to an altitude of 150 km, for "scientific and research purposes," according to an official at its Aerospace Research Center. Iran

has said that it plans to launch several satellites into orbit in the next few years. (New York Times, Feb. 26, 2007; Agence France-Presse, Feb. 25, 2007)

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## Aerospace Daily & Defense Report Mar 5, 2007

### 米海軍は F-35 の分割購入の仕方をなお未決

#### Navy still undecided how to divide F-35 purchase

DELICATE BALANCE: The Navy still is undecided how to divide its buy of Joint Strike Fighters between the F-35B short-takeoff

and F-35C carrier-catapult versions. "Every year we . . .

### イスラエルのアロー弾道ミサイル・テストの詳細が判明

### Details emerge on Israel's Arrow ballistic missile test

MIDEAST MISSILES: Israel's recent test of its Arrow ballistic missile defense weapon has generated a few more details from

Washington-based analysts. The intercept altitude was 250,000 feet. ...

### 米国は中国の軍事拡大に対応する必要があると空軍当局は発言

#### U.S. must respond to Chinese defense buildup, AF officials say

DANGEROUS OPPORTUNITY: It's become a cliché to note that the word for "crisis" in Chinese calligraphy contains the

characters for "danger" and "opportunity." But top Air Force ...

### F-22の問題は国防総省のレビューを促す

[編注] 沖縄に飛ぶ途中、トラブルでハワイに立寄った件の関係

#### F-22 problems prompt Pentagon review

TWO-HEMISPHERE RAPTOR: Last month's surprise visit of a 12-ship F-22 formation to Hickam Air Force Base, Hawaii (DAILY,

Feb. 28), is prompting lots of questions at the ...

### 無人システムがIEDS 即席手作り爆弾に対抗して戦う

#### Unmanned systems spearhead fight against IEDS

IED FIGHT: Robotic equipment, unmanned aerial vehicles (UAVs) and other unmanned sensors or systems are proving to be

indispensable in the Pentagon's fight against improvised explosive devices ...

### SIA 米国衛星工業会は商業衛星に関して政府のポリシーを求める

#### SIA calls for White House policy on commercial satcom

COMSAT POLICY: The Satellite Industry Association (SIA) is calling on the White House to craft a National Commercial

Satellite Communications Policy to go along with previously issued ...

### 防衛当局は GDP 予算強化を推進

#### Defense officials push for GDP budget boost

Leading U.S. defense officials keep hammering the message: the country ought to spend more on defense in relation to the gross

domestic product (GDP), especially given the ...

### ローレンス・リバモア研はロスアラモス研を RRW 高信頼弾頭置換えの受注で打ち負かす

#### Lawrence Livermore beats Los Alamos for RRW award

Lawrence Livermore National Laboratory has won a competition against Los Alamos National Laboratory to lead the design of the

Reliable Replacement Warhead (RRW). ...

### シャトルの退役の戻りはないと当局発言

#### No turning back on shuttle retirement, officials say

With contracts being closed out and facilities turned over for work on the new Orion and Ares vehicles, the space shuttle has

reached the point of no ...

### 政府は商業衛星を守るためにもっとなさねばならない: 企業

#### Government should do more to protect commercial sats: industry

Commercial satellite operators say they're willing to pay for anti-jamming and other protective systems on their spacecraft

to assuage the security concerns of government users, but only ...

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Aerospace Daily & Defense Report Mar 2, 2007

**海軍の巡洋艦と駆逐艦の計画は問題を提起、CRS レポート**

**Navy's cruiser, destroyer plans raise issues, CRS report says**

Congress has several micro and macro issues to consider with the Navy's proposed plan to renovate the service's cruisers and

destroyers, a recent Congressional Research Service report ...

**ベル・ヘリコプタはモデル 417 開発を取消し**

**Bell Helicopter cancels Model 417 development**

Bell Helicopter Textron officials say the company has canceled further development of the proposed Model 417 because of

performance shortfalls...

**Delta II ロケットに関してボーイングは空軍より\$50M を受領**

**Boeing gets \$50M from Air Force for Delta II launcher**

DELTA II AWARD: Boeing Corp. is being awarded a \$49.5 million cost-plus-award fee contract modification from the U.S. Air

Force for one Delta II Launch Vehicle in ...

**オーストラリアは防衛企業政策を発表**

**Australia issues Defense Industrial Policy**

The Australian government has issued a Defense Industrial Policy to ensure long-term support of its industry while also still

cutting procurement costs...

**レイセオンはさらなるクウェートの Patriot サポートの契約を得る**

**Raytheon gets award for more Kuwaiti Patriot support**

KUWAITI PATRIOT: Raytheon Co. said it received an \$18 million operation and maintenance support contract from the U.S. Army

Aviation and Missile Command to provide Kuwait with ...

**海軍はレイセオンと\$32M のネット・セントリック・システムの変更契約を行う**

**Navsea awards Raytheon \$32M for CEC items for FY '06-'07**

CEC AWARD: The U.S. Naval Sea Systems Command has extended Raytheon's Network Centric Systems a \$31.9 million

firm-fixed-price contract modification for fiscal 2006 add-on requirements and FY ...

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Aerospace Daily & Defense Report Mar 1, 2007

**NASA Griffin 長官は最初の有人 Orion の飛行を 2015 年にずらす**

**NASA administrator projects slip of first manned Orion flight to 2015**

NASA Administrator Michael Griffin told Senate lawmakers Feb. 28 that the first launch of the Orion Crew Exploration Vehicle

(CEV) with astronauts aboard is likely to slip ...



### 軌道上のデブリ衝突は ISS に最大の脅威とタスクフォースは述べる

#### Orbital impacts biggest threat to ISS, task force says

Impacts from micrometeoroids and orbital debris represent a "high safety risk" to the International Space Station (ISS) and its

crew, according to a report from a congressionally ...

### 欧州とロシアはソユーズのデータ交換協定を承認

#### Europe, Russia approve Soyuz data exchange accord

KOUROU, FRENCH GUIANA -- European and Russian officials this week finalized a data exchange agreement related to moving

the Soyuz launch vehicle to the European space port ...

### ロッキードマーチンは英国の戦闘機用アドバンスド・ターゲティング・ポッド獲得を発表

#### Lockheed Martin announces U.K. advanced targeting pods

BRITISH SNIPERS: Lockheed Martin Corp. said Feb. 26 that it won the First "head-to-head" competition in the United

Kingdom for an advanced targeting pod for fighter jets, ...

### Rosetta は火星を通過し彗星に向う

#### Rosetta passes Mars en route to comet

JUST PASSING THROUGH: Skimming toward its closest approach on Feb. 25, The Philae lander on ESA's Rosetta probe

imaged Mars's Syrtis region and took a self-portrait at ...

### ESA 委員会は BepiColombo 水星ミッションを取り止め

#### BepiColombo Mercury mission cleared by ESA panel

Europe's next planetary mission -- with a big role for Japan -- will be The long-planned BepiColombo project to explore Mercury. ...

### 日本は偵察衛星コンステレーションを完成

#### Japan completes recon-sat constellation

Japan plans to start replacing its optical-reconnaissance satellites in 2009 after launching the second of its two

radar-reconnaissance satellites into a 400-600 kilometer polar orbit on Feb. ...

### MDA はロッキードと\$979M の BMD の契約を行う

#### MDA awards Lockheed \$979 million BMD contract

The Missile Defense Agency (MDA) has awarded Lockheed Martin a \$979 million contract to further develop the Aegis

Ballistic Missile Defense (BMD) Weapon System. ...

### デンマークは JSF の次期フェーズに参加

#### Denmark rounds out deal over next phase of JSF

DANISH JSF: Denmark has signed on to the next phase of the Joint Strike Fighter, Pentagon officials announced Feb. 28. The

signing ceremony took place in Copenhagen ...

### レイセオンは Phalanx PBL パフォーマンス・ベスト・ロジの契約\$170M を得る

#### Raytheon announces Phalanx PBL award for \$170M

PHALANX PBL: Raytheon Co. said Feb. 28 it has been awarded a five-year, \$169.9 million performance-based logistics contract to

manage the spare parts for the U.S. Navy's ...

Aerospace Daily & Defense Report Feb 28, 2007

### NASA は有人デビューに先立って Orion 無人の軌道飛行を追加

#### Unmanned orbital Orion flight prior to manned debut added by NASA

NASA has added an unmanned orbital flight of the Orion Crew Exploration Vehicle (CEV) in March 2013 to gather additional

data prior to the first manned Orion ...

### ひょう/あられがシャトル・タンクを傷つけて、打上げは少なくとも 1 ヶ月延期

#### Hail damages shuttle tank; launch put off at least a month

A sudden hailstorm at Kennedy Space Center Feb. 26 damaged the big external tank on the space shuttle Atlantis as it waited

on the pad for a ...

### イランは 2015 年までに核を保有することになると米による脅威評価

#### Iran to have nuke by 2015, U.S. threat assessment says

Iran is expected to develop an operative nuclear weapon by 2015, top U.S. officials told Congress Feb. 27. ...

### Red Flag 格闘戦訓練で F-22 が 1 機失われたのはまずい戦技のせい

#### One F-22 loss at Red Flag attributed to bad tactics

The U.S. Air Force says that its F-22 fighter's debut in a Red Flag Aerial combat training exercise with coalition forces

underscored the known attributes of the ...

### 英はさらに多くの部隊と機器をアフガンに派遣する予定

#### U.K. sending more troops, equipment to Afghanistan

LONDON - Britain will send 1,400 more troops to southern Afghanistan, as well as additional transport helicopters and strike

and transport aircraft, British Defense Secretary Des Browne ...

2007.02.17 Embassy of France's Office for Science & Technology: Science News

### 衛星ナビゲーションの応用についての EU グリーン・ペーパー: パブリック・コメント依頼

#### EU Green Paper on Satellite Navigation Applications: Public consultation (2007.02.13)

The aim of the Green Paper on Satellite Navigation Applications, which addresses all stakeholders, is to launch a discussion on what the public sector can do to create an appropriate policy and legal framework for supporting the development of satellite navigation applications, beyond the financial support for research and the creation of infrastructure.

A set of questions on applications development, on privacy and ethical issues, on the regulatory environment and others is raised throughout the document: the replies will be analysed by the European Commission, and used as basis for recommendations to the EU Council and Parliament.

<http://www.france-science.org/home/page.asp?target=news&ID=1460>

[編注] 関連ドキュメントは右 URL で入手可 [http://ec.europa.eu/dgs/energy\\_transport/galileo/green-paper/doc/com\\_2006\\_gp\\_galileo\\_en.pdf](http://ec.europa.eu/dgs/energy_transport/galileo/green-paper/doc/com_2006_gp_galileo_en.pdf)

### 山東科技大、世界初の「ロボット鳩」を発表

山東科技大学ロボット研究センターはこのほど、ハトに人の話を理解させる実験に成功した。頭にマイクロ電極を装着したハトが、研究員の出す指令に従って飛びたち、旋回し、実験室を1周した後舞い降りという飛行任務を成功した。このような「ロボット鳩」は世界初。この実験で同センターは、コンピュータの一定法則を持つ通信コードを用いた。これらの通信コードをハトの脳内に埋め込まれた数本のマイクロ

[http://j.peopledaily.com.cn/2007/02/27/jp20070227\\_68187.html](http://j.peopledaily.com.cn/2007/02/27/jp20070227_68187.html)

**[編注]** やはり、人間はだれもこれをやられるのは希望しませんな。

電極を通じて特定の機能を持つ神経核に伝達し、神経核をコントロール下に置くことで、飛び、旋回し、前進するなどの特定の動作を行わせた。(編集 IA)

Aerospace Daily & Defense Report Feb 27, 2007

### TacSat-2 は障害を直した後はうまく運用されていると空軍発言

#### TacSat-2 operating well after glitches corrected, AF says

The **TacSat-2 microsatellite** is operating smoothly in orbit following the resolution of two technical setbacks early in the mission, the U.S. Air Force Research Laboratory (AFRL) announced Feb. 23. The problems were an incompatible radio configuration with the ground station and an error in the spacecraft's attitude determination and control system. Both have "long since been corrected," AFRL said.

**TacSat-2** is embarking on a six- to 12-month mission to explore Operational Responsive Space (ORS) concepts intended to allow small military satellites to be developed and launched quickly in response to urgent needs (DAILY, Dec. 19, 2006). The spacecraft features 11 onboard experiments, including a medium-resolution imager that already has taken several pictures. "With all the

challenges occurring early on in the mission, the project team has now really started to map out the **TacSat-2**'s course over the next several months, which will ultimately impact what is going to happen in the future for tactical satellites and Operationally Responsive Space," said Neal Peck, **TacSat-2** program manager at AFRL's Space Vehicles Directorate at Kirtland Air Force Base, N.M.

**TacSat-2**'s Common Data Link radio has been used to command the spacecraft from a remote tactical ground station in California called the Modular Interoperable Surface Terminal.

Aerospace Daily & Defense Report Feb 27, 2007

### 不完全な予算と骨の折れるテストが航空防衛システムを圧迫

#### Incomplete funds, strenuous testing pressured air defense system

The U.S. Air Force's inability to fully fund the first increment of its proposed air defense system meant to prevent more terrorist

attacks using civilian jets - ...

### 衣服下の武器と爆発物を検知する X-線のプロジェクトは JFK, LAX 空港へも拡大予定

#### Revealing X-ray project to be extended to JFK, LAX

The Transportation Security Administration (TSA) plans to expand a pilot program testing X-ray technology, which can

detect weapons and explosives beneath a person's clothes, to airports in ...

### NASA と DOD は航空工学の試験設備の戦略を作成中

### NASA, DOD developing aeronautics test facilities strategy

In the wake of the White House's recently unveiled aeronautics research policy, NASA and the Department of Defense (DOD)

have agreed to develop a cooperative strategy for ...

### 英国はもっと R&T(Research & Test)に予算をつけるべきと防衛当局は述べる

#### Britain must spend more on R&T, defense official says

LONDON – British Defense Procurement Minister Paul Drayson is renewing warnings that the U.K. spends too little on research

and technology, which will eventually threaten its defense-industrial ...

### オズブレイは疲労試験を完了

#### Osprey completing fatigue test program

Bell Helicopter Textron is in the final stages of completing a nine-year, 7,000-hour fatigue test program for the V-22 Osprey

tiltrotor aircraft...

### SAIC, Bevilacqua, Wyle, L-3 は連携して共同 T&E(Test & Evaluation)に入札

#### SAIC, Bevilacqua, Wyle, L-3 bid for Joint T&E work

WORKING EFFICIENTLY: Science Applications International Corp. identified itself Feb. 26 as one of four contractors chosen to bid

for work under a \$930 million, 10-year contract to ...

### Pathfinder-Plus はスミソニアン展示に

#### Pathfinder-Plus goes on display at Smithsonian's Udvar-Hazy center

PATHFINDER PLUS: The solar-electric Pathfinder-Plus unmanned flying wing developed by NASA and AeroVironment is

now on permanent display at the Smithsonian Institution's Steven F. Udvar-Hazy Center in ...

2007年2月26日 7:41 【CNET Japan 2007年02月26日】

MSに15億ドル支払い命令--アルカテル・ルーセントとの特許裁判で

<http://japan.cnet.com/svc/ntl2?id=20343827>

キヤノン、SED 特許侵害訴訟で敗訴

<http://japan.cnet.com/svc/ntl2?id=20343842>

2006年の音楽配信サービスは535億円規模、ダウンロード回数は3億回以上に(国内)

<http://japan.cnet.com/svc/ntl2?id=20343836>

2007年2月23日 7:28 【CNET Japan 2007年02月23日】

NASAとVirgin Galactic、超音速宇宙船を開発へ

<http://japan.cnet.com/svc/ntl2?id=20343780>

マイクロソフト対AT&T 特許裁判--米最高裁、ソフトウェア特許について質疑

<http://japan.cnet.com/svc/ntl2?id=20343737>

2007年2月22日 7:52 【CNET Japan 2007年02月22日】

シマンテック CEO:「わたしは Vista は要らない」

<http://japan.cnet.com/svc/ntl2?id=20343472>

放送法改正案:ワンセグ専用番組解禁へ

<http://japan.cnet.com/svc/ntl2?id=20343624>

衛星ラジオ2社の合併は何を意味するのか--ブログ界の反応

<http://japan.cnet.com/svc/ntl2?id=20343612>

2007年2月21日 7:55 【CNET Japan 2007年02月21日】

無人ロボットによるカーレース「Urban Challenge」--米スタンフォード大、車両公開

<http://japan.cnet.com/svc/ntl2?id=20343433>

フォトレポート:高品位ライダーや映像システム--スタンフォード大のロボットカー「Junior」

<http://japan.cnet.com/svc/ntl2?id=20343448>

NASA システム侵入事件、米政府が英国人被告を「脅迫」したと弁護側は主張

<http://japan.cnet.com/svc/ntl2?id=20343411>

「メールアドレス」知られない 匿名通信手法、電通大が開発

<http://japan.cnet.com/svc/nlt2?id=20343423>

SNS ブームは終息の兆しか--2006 年夏から平均滞在時間は減少へ

<http://japan.cnet.com/svc/nlt2?id=20343439>

2007 年 2 月 16 日 7:31 【CNET Japan 2007 年 02 月 16 日】

NASA のシステム侵入事件--米国への身柄引き渡しの上訴審始まる

<http://japan.cnet.com/svc/nlt2?id=20343174>

2007 年 2 月 15 日 7:57 【CNET Japan 2007 年 02 月 15 日】

粉末状の電子タグ 日立が開発に成功

<http://japan.cnet.com/svc/nlt2?id=20342970>

インクリメントP、位置情報と連携したクリッピングサービスや大画面で利用できる新地図を公開

<http://japan.cnet.com/svc/nlt2?id=20342986>

2007 年 2 月 14 日 8:07 【CNET Japan 2007 年 02 月 14 日】

ロングテール提唱者のアンダーソン氏、アマゾンの問題点を指摘

2007 年 2 月 19 日 23:05 DAILY NEDO[2007/02/19]

研究評価委員会「微小重力環境利用超電導材料製造技術の開発」(事後評価)分科会(第1回)資料掲載

<http://www.nedo.go.jp/iinkai/kenkyuu/bunkakai/18h/jigo/34/index.html>

2007 年 2 月 17 日 2:58 DAILY NEDO[2007/02/16]

NEDO 成果報告書 41 冊を技術情報データベースに追加

[http://www.nedo.go.jp/database/newlist/new\\_list20070216.html](http://www.nedo.go.jp/database/newlist/new_list20070216.html)

2007 年 2 月 14 日 2:50 DAILY NEDO[2007/02/13]

「高性能ハイパースペクトルセンサ等研究開発プロジェクト」に係る委託先の公募について(予告)

[http://www.nedo.go.jp/informations/koubo/190213\\_3/190213\\_3.html](http://www.nedo.go.jp/informations/koubo/190213_3/190213_3.html)

NEDO 成果報告書 91 冊を技術情報データベースに追加

[http://www.nedo.go.jp/database/newlist/new\\_list20070213.html](http://www.nedo.go.jp/database/newlist/new_list20070213.html)

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

**サレー社は Galileo 衛星#2 号機を製造する予定**

**Surrey To Build Second Galileo Satellite**

PARIS — Small-satellite specialist Surrey Satellite Technology Ltd. (SSTL) will build a second navigation satellite to secure radio frequencies for Europe's Galileo project under a contract announced March 5. The contract calls for the satellite to be

<http://japan.cnet.com/svc/nlt2?id=20342867>

2007 年 2 月 13 日 7:46 【CNET Japan 2007 年 02 月 13 日】

シスコシステムズ、ソーシャルネットワーキング企業の買収を発表へ

<http://japan.cnet.com/svc/nlt2?id=20342776>

KDDI、au 解約者の顧客情報 22 万人分を紛失--記録媒体の状況分からず

<http://japan.cnet.com/svc/nlt2?id=20342784>

プリンタ業界各社、ISO のインカートリッジ標準に支持を表明

<http://japan.cnet.com/svc/nlt2?id=20342722>

フォトレポート: Polymer Vision のロールアップ型スクリーン搭載端末「Readius」

<http://japan.cnet.com/svc/nlt2?id=20342763>



ready for launch by mid-2008 and highlights the difficulties encountered by another contractor in building a more-sophisticated Galileo test satellite.

### レポート: 中国は 2008 年の宇宙飛行を目指す

#### Report: China Aims for 2008 Space Flight

BEIJING (AP) — China is aiming for its third manned flight next year with two astronauts making space walks, a state-run

newspaper reported Monday.

### HNS は Spaceway 3 打上げをシーロンチからアリアンスペースに切替え

#### HNS Switches Spaceway 3 From Sea Launch to Arianespace

PARIS — The Spaceway 3 Ka-band broadband telecommunications satellite owned by Hughes Network Systems (HNS) will be launched as early as August aboard an Ariane 5

rocket, HNS and the Arianespace launch consortium announced March 1. It is the second time in a week that a satellite slated for launch by Sea Launch Co. has been transferred to Arianespace.

### タイの Shin Satellite は 2006 年に売上げ 23%増加

#### Shin Revenue Grows 23% in 2006

PARIS — Satellite-fleet operator Shin Satellite of Thailand reported a 23.8 percent increase in satellite-lease and related revenues in 2006 compared to 2005 on the strength of its

fast-growing Ipstar broadband project and the continued growth of regional satellite television programming.

### NASA Griffin 長官: 予算で Orion と Ares を 4 から 6 ヶ月遅れる

#### Griffin: Budget To Set Orion, Ares Back 4-6 Months

WASHINGTON — NASA Administrator Mike Griffin told a Senate panel Feb. 28 that development of Orion crew spacecraft and the

Ares launch vehicle would be delayed four to six months, pushing the first operational flight of the new system into 2015.

### タスクフォースは NASA に対し ITAR 国際武器取引規則 の免除を促す

#### Task Force Urges ITAR Exemptions for NASA

WASHINGTON — A task force chartered by NASA last year to examine threats to the safety of the international space station has urged the U.S. State Department to immediately exempt some NASA contractors from **International Traffic in Arms**

**Regulations (ITAR)** restrictions that are making it more difficult to get ready for the upcoming first flight of the Europe's Automated Transfer Vehicle (ATV).

### NASA: シャトル・アトランティスの打上げは嵐の後、4月後半に遅れる

#### NASA: Atlantis Shuttle Launch Delayed to Late April After Storm

NEW YORK — A freak hail storm that peppered NASA's space shuttle Atlantis late Monday, damaging its external fuel tank and sending launch pad workers seeking cover, has delayed the

orbiter's planned March liftoff by at least one month, mission managers said Tuesday.

### インマルサット戦略は競合者をターゲットに

#### Inmarsat Strategy Targets Competitors

PARIS — Inmarsat Chief Executive Andy Sukawaty, who has never been shy about lighting into the mobile satellite operator's competitors, told investors Feb. 27 that both the Iridium and

Globalstar satellite constellations are on borrowed time and will fail before replacement capacity is launched.



**XM Radio は減らした第4四半期の損失を報告**

**XM Radio Posts Narrower 4Q Loss**

McLean, Va. (AP) – XM Satellite Radio Holdings Inc., which last week announced plans to combine with rival Sirius, said Monday

a 45 percent jump in revenue and a tighter leash on marketing costs helped narrow its fourth-quarter loss.

**日本は4番目のスパイ衛星を打上げ**

**Japan Launches Its 4th Spy Satellite**

TOKYO (AP) – Japan launched its fourth spy satellite Saturday, completing its capabilities to monitor activities worldwide and

bolstering its ability to observe neighboring North Korea’s nuclear program.

Week of March 5, 2007 **Sat News** <http://www.satnews.com/>

**次世代の GPS フリート: ボーイング対ロッキード**

… **Boeing vs. Lockheed for Next Gen GPS Fleet**

**仏領ギアナにソユーズ打上げ基地建設中**

… **Soyuz Launch Base Being Built in French Guiana**

**ヒューズは Spaceway 3 の打上げ契約締結**

… **Hughes Signs Contract to Launch Spaceway 3**

**Com Dev は Globalstar-2 衛星の作業を開始する**

… **Com Dev to Begin Work on Globalstar-2 Satellite**

**XM 社は 1.7M 近くの加入者を 2006 年に加え、2006 年の利益は 67%増し、\$933M に**

… **XM Adds Nearly 1.7-M Net Subscribers in 2006, 2006 Revenue Increases 67% to \$933-M**

**Artel は\$70M の衛星サービスの契約を得る**

… **Artel Awarded \$70-M in Satellite Services Contracts**

**Arabsat は 2008 年に衛星打上げ予定**

… **Arabsat to Launch Satellite Next Year**

**BBC は衛星テレビで Murdoch に挑む**

… **BBC Takes on Murdoch in Satellite TV**

**Lockheed Martin Press Releases** <http://www.lockheedmartin.com/wms/findPage.do?dsp=fnc&ti=111>

**March 05, 2007 ロッキードマーチンは近代化 TADS/PNVS Arrowhead 製造契約で\$311M を得る**

**Lockheed Martin Awarded \$311 Million Arrowhead Modernized TADS/PNVS Production Contract**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18237&rsbci=0&fti=111&ti=0&sc=400>

**March 02, 2007 F-35 CATBird アビオニクス・テストベッドは最後のシステム・インストールのためロッキードマーチンに移管**

**F-35® 'CATBird' AVIONICS TEST BED TRANSITIONS TO LOCKHEED MARTIN FOR FINAL SYSTEMS INSTALLATION**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18236&rsbci=0&fti=111&ti=0&sc=400>



February 27, 2007 **ロッキードマーチンはイージス BMD に関して\$979M を得る**

**LOCKHEED MARTIN AWARDED \$ 979 MILLION FOR AEGIS BALLISTIC MISSILE DEFENSE**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18232&rsbci=0&ftj=111&ti=0&sc=400>

February 27, 2007 **デンマークは次のフェイズ F-35 の計画に参加し JSF パートナ参画を完了**

**DENMARK JOINS F-35 PROGRAM'S NEXT PHASE, COMPLETES JSF PARTNER PARTICIPATION**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18228&rsbci=0&ftj=111&ti=0&sc=400>

February 26, 2007 **ロッキードマーチンは英国への Harrier の緊急の運用要求に関して Sniper アドバンスド・ターゲティング・ポッド供給契約を獲得**

**Lockheed Martin Wins Uk Contract to Supply Sniper Advanced Targeting Pod for Harrier Urgent Operational Requirement**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18226&rsbci=0&ftj=111&ti=0&sc=400>

February 26, 2007 **ロッキードマーチンは無人航空地上システムのフェイズ2テストを無事完了**

**Lockheed Martin Successfully Completes Phase 2 Tests of Centralized Controller for Unmanned Air, Ground Systems**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18225&rsbci=0&ftj=111&ti=0&sc=400>

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

Mar. 1, 2007 **ボーイングは FAB-T 細部設計審査を無事完了**

**Boeing Completes Successful FAB-T Critical Design Review** FAB-T = Family of Advanced Beyond line-of-sight Terminals

[http://www.boeing.com/news/releases/2007/q1/070301e\\_nr.html](http://www.boeing.com/news/releases/2007/q1/070301e_nr.html)

Feb. 21, 2007 **ボーイングは日本 KC-767 ブームを初配備**

**Boeing Deploys Japan KC-767 Boom for First Time**



[http://www.boeing.com/news/releases/2007/q1/070221c\\_nr.html](http://www.boeing.com/news/releases/2007/q1/070221c_nr.html)

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2/28/2007 # 371 **France in Space** <http://www.france-science.org/home/page.asp?target=nfo-let&PUBLID=9&LNG=us>

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- 1: **ESA は BEPICOLOMBO 水星ミッションを承認**

- 1: **ESA GIVES GREEN LIGHT TO BEPICOLOMBO MERCURY MISSION**

The BepiColombo mission to Mercury was officially adopted by ESA's Science Program Committee on February 23rd, and is now poised to begin its industrial implementation phase. BepiColombo, the newest of Europe's planetary exploration missions, will consist of two satellites, and is to be carried out in collaboration with the Japanese Aerospace Exploration Agency (JAXA). The spacecraft's Mercury Planetary Orbiter (MPO), designed for planetary survey and analysis, and the Mercury Transfer Module (MTM), conceived to supply electrical and chemical propulsion, will both be built under ESA responsibility. The spacecraft's Mercury Magnetospheric Orbiter (MMO) for magnetospheric studies will be built by JAXA. The MPO will carry eleven scientific instruments funded primarily by ESA

Member States, while the MMO will carry five scientific experiments funded primarily by Japan. Astrium GmbH of Germany will act as prime contractor for the implementation phase (a contract worth 330 million euros) and will ensure the mission design, as well as the development and integration of the "cruise-composite" spacecraft. EADS Astrium in France will also play an important role in the spacecraft's development as it will supply the on-board software, similar to that used in the Rosetta, Mars Express and Venus Express missions. Currently scheduled for launch in August of 2013 via Soyuz Fregat from Kourou, French Guiana, BepiColombo would reach Mercury in 2019. [ESA 02/26/07, Agence France Presse 02/26/07]

- 2: **CNES はギアナ・ソユーズ打上げパッドの起工式を祝う**

- 2: **CNES CELEBRATES GROUND-BREAKING CEREMONY AT GUIANA SOYUZ LAUNCH PAD**

Yannick d'Escatha, President of CNES, Jean-Jacques Dordain, ESA Director General, Jean-Yves Le Gall, Director General of Arianespace and Anatoly Perminov, Head of Roscosmos were all present at the Guiana Space Center on February 26th for the official groundbreaking ceremony at the new Soyuz launch pad. Numerous other European and Russian authorities were also on hand for the ceremony, during which a commemorative plaque and a stone from the Baikonur launch site, from which Yuri Gagarin took off in 1961, were laid at the site. Soyuz is one of the industry's most reliable vehicles and has been launched a total of 1718 times, placing 1661 satellites in orbit and sending 91 Russian and 40 non-Russian cosmonauts into space. Launching Soyuz from the Guiana Space Center will be a

strategic maneuver as the launcher's lift capability will be dramatically increased thanks to Guiana's equatorial position. The project to bring Soyuz to Guiana is co-funded by ESA, the European Union and Arianespace, and is carried out by CNES as system prime contractor. Excavation work at the site began several months ago and Russian teams will be arriving shortly to begin building the launch and functional support infrastructure. According to Dordain, "we are entering a new era for launchers for Europe, which is the positive outcome of good cooperation between ESA and Russia, initiated by France, and which will enhance the launch flexibility offered by Arianespace." [CNES 02/27/07, Arianespace 02/26/07, Le Monde 02/27/07]

- 3: **SES GLOBAL は衛星打上げを Ariane 5 に変更**

- 3: **SES GLOBAL MOVES SATELLITE LAUNCH TO ARIANE 5**

SES Global has decided to switch the launch of its AMC-21 telecommunications satellite from Land Launch, a division of Sea Launch, to Arianespace. The change comes in response to concerns raised after Sea Launch's January 30th failure, in addition to the company's ongoing supply-chain disruptions. A mid-2008 launch would be difficult to guarantee given these concerns. Arianespace, which announced the signature of the contract at this year's Satellite 2007 expo in Washington, DC (February 19th - 22nd) has committed to a launch sometime in

the second trimester of 2008 via Ariane 5 ECA. This is Arianespace's second launch contract signed since the beginning of 2007 (the first being ProtoStar I for ProtoStar Ltd.). The AMC-21 satellite is currently under construction by Alcatel Alenia Space and Orbital Sciences Corp. It will carry 24 Ku-band transponders and will offer television distribution services across the United States, the Gulf of Mexico, the Caribbean, and Central America. [Arianespace 02/21/07, Agence France Presse 02/21/07, Space News 02/26/07]

**- 4: ESA の Rosetta 探査機は火星でスイングバイ**

**- 4: ESA'S ROSETTA PROBE SWINGS BY THE RED PLANET**

This past Sunday, February 25th, ESA's Rosetta probe successfully completed its swing-by of the planet Mars and is now on its way to its final destination, the comet Churyumov-Gerasimenko. At its closest approach, Rosetta was just 250 km above the Red Planet and was able to obtain detailed images of the planet's surface thanks in part to the CIVA panoramic cameras, developed in France with CNES funding by the Space Astrophysics Institute in Orsay and the Astrophysics Laboratory of Marseille. The swing-by allowed the

probe to decelerate and modify its trajectory. This is the second in a series of four "gravity assisted maneuvers" that will help Rosetta reach its final destination. Launched on March 2nd 2004, by an Ariane 5, Rosetta is the first-ever probe designed to orbit around the core of a comet and then deploy a lander onto the comet's surface. Rosetta is scheduled to arrive at Churyumov-Gerasimenko in 2014. [ESA 02/25/07, CNES 02/25/07, Reuters 02/25/07]

**- 5: SNECMA は仏の工場で新しいプラズマ推進ユニットを事業開始**

**- 5: SNECMA INAUGURATES NEW PLASMA PROPULSION UNIT AT FRENCH PLANT**

On February 22nd, Snecma (SAFRAN Group) inaugurated a new plasma propulsion unit at its plant in Vernon, France. The region of Normandy is providing 1 million euros in financial support, and Snecma invested 6 million euros, for the development of the unit. Now, all of Snecma's Space Engines operations, which used to be divided between Vernon and Villaroche, can be found under one roof. The Vernon site has been revamped and a 400-square-meter building has been

completely renovated and already houses the first of three large vacuum chambers which will be used to test plasma thrusters. The installation of the unit is an important chapter in the development of plasma propulsion which can be used for both communications satellites and space probes and powers the Ariane 5 launcher. [Snecma 02/22/07, Agence France Presse 02/22/07]

**- 6: 要約**

**- 6: IN BRIEF**

Eutelsat Communications of Paris has teamed with ViaSat Inc. of Carlsbad, California, to offer consumer broadband satellite service to small European markets; the service will begin in June in Germany, Switzerland, Spain and Portugal. It is expected that the number of homes connected to broadband services will

nearly double, increasing from 30% to 58%, between 2006 and 2010. The new service is based on ViaSat's SurfBeam system. The open-standards network enables commercially viable two-way satellite broadband service to be provided in rural areas. [Space News 02/26/07]

**05-Mar-2007 米国はISRISシステムをイラク中にインストールを計画**

**US plans to install ISRIS system across Iraq**

US Joint Forces Command (USJFCOM) plans to install the Intelligence, Surveillance, Reconnaissance Information Service

(ISRIS) network across Iraq in 2007, the command announced at the...

**05-Mar-2007 元の米国インテリジェンス担当者達がリスク・アセスメント企業を立上げ**

**Former US intelligence officials launch risk-assessment firm**

Two former top US intelligence officials rolled out a new company on 20 February that will offer risk mitigation and

advisory services to corporate customers...

**02-Mar-2007 ウクライナは弾道ミサイル・ゲームに復帰**

**Ukraine back in the ballistic missile game**

The Ukrainian Ministry of Defence (MoD) has completed its technical requirements for the development of a new tactical

ballistic missile (TBM) system, Colonel-General Serhiy Kirichenko,...

**02-Mar-2007 日本はおやしお級 10 番艦 潜水艦せとしおを進水**

**Japan commissions penultimate Oyashio-class submarine**

Japan commissioned its tenth Oyashio-class submarine - JDS Setoshio - into service on 28 February 2007 in a ceremony at

Kure, homeport of the Japanese...

**2006 年 3 月 1 日 時事通信社「世界週報」 3 月 13 日号 [目次抜粋]**

日本と世界の安全保障／第 2 次アーミテージ報告書を読む(田久保忠衛)

今週の軍事情報／米本土防衛演習の凄惨シナリオ(江畑謙介)

的川教授の宇宙よもやま話／宇宙の中の社会、社会の中の宇宙(1)(的川泰宣)

記事 1／特集・最新中国事情

**なお不十分な軍事的透明性**——中国の「国防白書」06 年版を分析する

拓殖大学国際開発学部教授 /// 茅原 郁生

中国は 2006 年 12 月に「中国の国防」と題する国防白書(06 白書)を  
発刊した。経済成長著しい中国が、ミサイルによる衛星撃破など懸  
念されるような動きを見せる中で、どこまで軍事力を強化するのか、そ

の動向が注目される。胡錦濤政権が進める国防近代化の観点から  
06 白書を分析してみたい。

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かやはら・いくお 1938 年生まれ。防衛大学校(第 6 期)卒。元陸将補。陸上  
自衛隊師団幕僚長、防衛研究所研究部長、この間に外務省出向、ロンドン  
大学客員研究員などを経て 99 年から現職。学生センター長。専門は中国軍

事、アジアの安全保障。著書に「安全保障から見た中国」「中国軍事論」、編  
著に「中国エネルギー戦略」「中国空軍」「中国は何処に向かう?」「中国の核・  
ミサイル・宇宙戦力」「中国軍事用語事典」など。

**[平山ニュース 2006 年 月 日]** <http://www.wikihouse.com/space/>

**[NEWS]**

3/2 New Horizons が撮影したイオの火山の画像公開(NASA,朝)  
3/2 「ひので」が 2/18 に軌道上で観測した部分日食の画像公開(NAO,時,朝)  
2/29 Atlantis 号が激しい雹で損傷 打上は 4/21 以降に延期(NASA)  
2/28 New Horizons が木星フライバイ  
2/26 仏領ギアナに Soyuz 発射基地を建設開始(ESA)  
2/2? イランの「宇宙ロケット」は高度 150km の弾道飛行で大気観測

#### [EVENT]

3/28 JAXA 公開シンポジウム,ロボットが拓く宇宙開発の NEXT STAGE,日本科学未来館  
3/24 第 2 回宇宙法模擬裁判日本大会,デジタルハリウッド大学,秋葉原  
3/13 申込締切:アジアにおける開かれたサイバー社会形成のためのミニシンポジウム, 3/16 筑波大学  
3/9 九州地域宇宙産業講演会,九州大学医学部百年講堂  
3/4 第 12 回 JAXA タウンミーティング in 武豊,ゆめたろうプラザ 18 才以上,申込先着 100 名  
3/4 第 8 回市民講座「手作り宇宙科学の魅力」,大阪府私学教育文化会館  
3/3 ISAS 宇宙学校・東京,東大(駒場)

#### [学会]

3/7-9 JSASS 北部支部 20 周年記念講演会ならびに第 8 回再使用型宇宙推進系シンポジウム,仙台国際センター  
3/6-7 SAR Workshop 2007,JAXA 筑波  
3/6-7 宇宙探査シンポジウム,ホテルグランヴィア京都  
3/6 航空宇宙マイクロ・ナノ工学ワークショップ,京大会館  
3/3-10 2007 IEEE Aerospace Conference,Big Sky,Montana  
3/3 第 2 回宇宙旅行シンポジウム,航空会館,新橋 申込先着 200 名>日本航空協会,日本ロケット協会  
3/2 第 4 回試験技術ワークショップ,JAXA 筑波

#### [TV] ディスカバリ・チャンネル他

3/9 1400-1515 NHK-HV (再)「HAM チンパンジー宇宙飛行士の物語」  
3/8 0040-0355 NHK-BS2 映画「ライトスタッフ 完全版」  
3/8 0000-0030 WOWOW ロケットガール  
3/6 0430-0500,3/9 0030-0100 WOWOW (再)MOONLIGHT MILE  
3/4- 0100-0130(毎週土曜夜/日曜未明) WOWOW MOONLIGHT MILE  
3/2 0700-0800 ディスカバリ・チャンネル 巨大建造:宇宙ステーション

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#### [中国宇宙開発] [http://dailynews.yahoo.co.jp/fc/world/china\\_space\\_exploration/](http://dailynews.yahoo.co.jp/fc/world/china_space_exploration/)

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- 中国が 19 年連続で国防費 2 けた増、透明性の向上は不可欠＝塩崎官房長官(ロイター) (5 日 13 時 29 分)
  - 中国の宇宙飛行船「神舟 7 号」、2008 年に 3 名の飛行士を乗せて打上げ予定―香港報道(Record China) (5 日 11 時 4 分)
  - 中国 国防予算 23.6%増 19 年連続 2 けたの伸び(毎日新聞) (5 日 9 時 53 分)
  - 中国国防費 ハイテク化で増大(産経新聞) (5 日 8 時 0 分)
  - 国防費、23%の大幅増＝5 兆円超、日本を上回る―19 年連続 2 けた伸び・中国(時事通信) (5 日 1 時 0 分)
  - <中国>国防予算 23.6%増 19 年連続 2 けたの伸び(毎日新聞) (4 日 20 時 4 分)
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#### [宇宙開発] [http://dailynews.yahoo.co.jp/fc/science/space\\_exploration/](http://dailynews.yahoo.co.jp/fc/science/space_exploration/)

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- 中国の宇宙飛行船「神舟 7 号」、2008 年に 3 名の飛行士を乗せて打上げ予定—香港報道(Record China) (5 日 11 時 4 分)



- これも暖冬？まばらな流水、衛星画像に…北海道沿岸(読売新聞) (4 日 15 時 54 分)
- ホーキング博士、4 月に無重力飛行を体験へ(ロイター) (3 日 19 時 23 分)
- 「恋敵」襲撃の女性宇宙飛行士、誘拐未遂で正式起訴(読売新聞) (3 日 12 時 38 分)
- 女性飛行士、殺人未遂は不起訴＝「恋の暴走」事件—米検察(時事通信) (3 日 12 時 0 分)
- 土星の輪くつきり 無人探査機撮影(産経新聞) (3 日 8 時 1 分)
- 高度 700 キロで部分日食＝衛星「ひので」が撮影—国立天文台(時事通信) (2 日 10 時 1 分)

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**[米軍動向]** [http://dailynews.yahoo.co.jp/fc/world/us\\_armed\\_forces/](http://dailynews.yahoo.co.jp/fc/world/us_armed_forces/)

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- ロケット誘導兵器、韓米軍事当局が初の共同開発(YONHAP NEWS) (6 日 13 時 51 分)
- 在日米軍 訓練移転 築城で開始 嘉手納基地からF15到着(西日本新聞) (6 日 10 時 9 分)
- 築城で米軍訓練 響く爆音 新たな不安 反対派「生活守れるのか」(西日本新聞) (6 日 10 時 9 分)
- 「韓国国防相会は重要なモメンタム」米國務副長官(YONHAP NEWS) (6 日 9 時 32 分)



- 爆弾テロで死亡した兵士の告別式、600 人が見送る(YONHAP NEWS) (6 日 9 時 27 分)
- バグダッドの書店街で自爆テロ 少なくとも26人死亡(産経新聞) (6 日 8 時 0 分)
- 誤爆で民間人 9 人死亡＝外国軍への反発強まる恐れ—アフガン(時事通信) (6 日 1 時 0 分)
- <アフガニスタン>米軍、映像を消去？ AP通信報道(毎日新聞) (6 日 0 時 23 分)
- 書店街で爆発、26 人死亡＝掃討作戦でもテロ減らず—イラク(時事通信) (5 日 22 時 0 分)
- KF-16 戦闘機墜落事故、原因はエンジン整備不良(YONHAP NEWS) (5 日 17 時 42 分)
- F15訓練移転開始 嘉手納5機、福岡に(琉球新報) (5 日 16 時 45 分)
- 築城基地に到着した米軍機(時事通信) (5 日 16 時 34 分)



- 沖縄の米軍、初の訓練移転(時事通信) (5 日 12 時 39 分)
- 沖縄の米軍、初の訓練移転＝福岡に F15 戦闘機(時事通信) (5 日 12 時 1 分)
- 対米軍事購買契約 27 億 700 万ドル、民間契約急増(YONHAP NEWS) (5 日 10 時 55 分)
- 米・イラク軍、「サドルシティー」へ初の本格進攻(読売新聞) (5 日 10 時 25 分)
- 在日米軍と共同 5日から訓練 福岡・築城基地(西日本新聞) (5 日 10 時 8 分)

- 米国務副長官が5日訪韓、核問題や韓米同盟など協議(YONHAP NEWS)(5日9時55分)
- 嘉手納のF15きょうから訓練移転(琉球新報)(5日9時49分)
- アフガンで数千人が反米抗議デモ(時事通信)(5日8時51分)
- 2プラス2開催、来月下旬で調整 日米政府(産経新聞)(5日8時0分)
- 中国国防費 ハイテク化で増大(産経新聞)(5日8時0分)
- 中国 国防費5兆円超 19年連続2ケタ増 日本の防衛費抜く(産経新聞)(5日8時0分)
- アフガン東部で米軍に自爆攻撃、応戦で市民犠牲(読売新聞)(5日0時2分)
- 米軍発砲で民間人16人死亡＝数千人が抗議デモ－アフガン(時事通信)(4日23時0分)
- 米陸軍長官が辞任 負傷兵の病棟劣悪で引責(産経新聞)(3日15時46分)
- 米陸軍長官を更迭、イラク負傷兵への劣悪待遇問題で(読売新聞)(3日12時13分)
- <米国>イラク帰還負傷兵に劣悪な待遇 陸軍長官更迭(毎日新聞)(3日12時12分)
- タリバン、春に大攻勢へ アフガン駐留外国部隊が標的(産経新聞)(3日8時0分)
- <米国>イラク帰還兵の受け入れ態勢不備で陸軍病院長解任(毎日新聞)(2日22時13分)
- <米原子力空母>横須賀基地に「08年8月を予定」海軍大将(毎日新聞)(2日18時54分)
- <アフガン前米司令官>今年はタリバン掃討を大規模展開(毎日新聞)(2日17時13分)
- 訓練直前 住民座り込み 空自築城基地 町議会も抗議文 福岡県(西日本新聞)(2日17時7分)
- 横須賀配備は来年8月に＝米原子力空母(時事通信)(2日11時0分)
- 米陸軍、負傷兵劣悪待遇で司令官解任＝民主オバマ氏は改善法案提出(時事通信)(2日10時1分)
- 1等空佐書類送検へ 情報漏洩(産経新聞)(2日8時0分)
- アフガン作戦を開始した米空母部隊(時事通信)(1日22時27分)
- 揺れる海へ平和の祈り ピースミュージックフェスタ！辺野古(琉球新報)(1日16時1分)
- <米大統領選>共和党のマケイン議員、出馬の意向表明(毎日新聞)(1日10時53分)
- 米空母レーガン出港 佐世保(西日本新聞)(1日10時7分)
- 米戦闘機がごう音 役場に苦情相次ぐ(琉球新報)(1日9時58分)
- ヘリ低空で旋回 民間機か、一時騒然(琉球新報)(1日9時56分)
- 駐韓米当局者ら、爆弾テロ死亡兵士に弔意表す(YONHAP NEWS)(1日9時8分)
- 「戦費930億ドル」早期承認を 米国防長官(産経新聞)(1日8時0分)
- 「掃討作戦」開始から2週間 シーア派、民兵温存(産経新聞)(1日8時0分)
- 敗訴の逗子市が上告断念へ＝米軍住宅訴訟(時事通信)(2月28日20時1分)
- 米軍機墜落想定し合同訓練―沖縄(時事通信)(2月28日18時2分)
- 米機墜落想定し訓練 日米初、発生時の連携確認(琉球新報)(2月28日16時2分)
- 核兵器開発 イラン、2015年までに製造完了 (産経新聞)(2月28日15時52分)
- <イラク>子供18人死亡テロ…米軍は未確認(毎日新聞)(2月28日14時4分)
- 米軍機墜落想定し訓練＝日米合同で初―沖縄(時事通信)(2月28日12時32分)
- 米本土攻撃のミサイル開発可能＝北朝鮮、既に能力保持―DIA 局長(時事通信)(2月28日12時0分)
- イラクに数十年駐留も＝戦闘部隊の撤退後、小規模で―米国防長官(時事通信)(2月28日12時0分)
- 米軍2日連続、住宅上空旋回 金武町、住民から苦情(琉球新報)(28日9時46分)
- 「新知事理解ある人」防衛相が米高官に認識示す(琉球新報)(28日9時45分)
- 「3年超えることも」閉鎖状態実現で知事(琉球新報)(28日9時42分)
- 米副大統領標的に自爆テロ(時事通信)(28日9時4分)
- 米副大統領狙い自爆テロ アフガン タリバン犯行声明(産経新聞)(28日8時1分)

- <イラク>サッカー場に自動車爆弾 子供18人が死亡(毎日新聞) (28日 2時 48分)
- <アフガニスタン>米軍基地近くで自爆テロ 副大統領狙う(毎日新聞) (28日 1時 8分)
- 金正日体制、崩壊の兆しなし＝厳しい統制維持－米国防情報局(時事通信) (28日 1時 0分)
- <米軍>弾道ミサイル補完装備、青森・三沢基地配備へ(毎日新聞) (27日 22時 31分)
- <ベトナム>ドクさん夫妻が大阪の小学校訪問(毎日新聞) (27日 20時 52分)
- アフガン基地で爆弾テロ、韓国軍兵士が死亡(YONHAP NEWS) (27日 19時 46分)
- イラク撤兵に期限設定、初めて過半数支持…米世論調査(読売新聞) (27日 19時 10分)
- 米副大統領が訪問中のアフガン米軍基地付近で自爆、タリバンが犯行声明(ロイター) (27日 18時 58分)
- 米副大統領が訪問中のアフガン米軍基地付近で爆発、副大統領は無事(ロイター) (27日 16時 16分)



- 「米が安全の保証を」国連委前委員長(産経新聞) (27日 16時 9分)
- 塗料弾は米軍所有 県警、返還済み(琉球新報) (27日 16時 0分)
- イラクからの米軍撤退、期限設定を米国民の過半数が支持(ロイター) (27日 14時 48分)
- イラク撤兵期限、過半数が支持＝6割超「戦闘継続の価値なし」－米調査(時事通信) (27日 13時 0分)
- <吉田首相暗殺>旧日本軍の再軍備派が計画 CIA文書(毎日新聞) (27日 11時 13分)

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**【核兵器】** [http://dailynews.yahoo.co.jp/fc/world/nuclear\\_weapons/](http://dailynews.yahoo.co.jp/fc/world/nuclear_weapons/)

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- ロケット誘導兵器、韓米軍事当局が初の共同開発(YONHAP NEWS) (6日 13時 51分)
- 核問題めぐるイランの対応は前例がない＝IAEA事務局長(ロイター) (6日 12時 6分)
- IAEA 事務局長、北朝鮮との関係正常化に期待(YONHAP NEWS) (6日 9時 35分)
- 核施設の「不能化」、北朝鮮も関係国と同じ概念(YONHAP NEWS) (6日 9時 22分)
- イラン お礼で「原子力」を誇示(産経新聞) (6日 8時 0分)
- 北朝鮮の金外務次官 軽水炉要求を譲らず(産経新聞) (6日 8時 0分)
- 日朝国交正常化作業部会に出席、日本代表団がハノイ着(読売新聞) (6日 2時 28分)
- 北朝鮮問題の進展を歓迎＝「非核化への一步」－IAEA 事務局長(時事通信) (5日 22時 1分)
- <IAEA>3月定例理事会が開幕(毎日新聞) (5日 20時 18分)
- IAEA理事会、イランへの技術支援縮小を承認する見通し(ロイター) (5日 11時 53分)
- 北朝鮮が軽水炉要求へ、6か国協議に新たな火種(読売新聞) (5日 11時 33分)
- 「合意履行はコメ借款に関係」李在禎・統一部長官(YONHAP NEWS) (5日 10時 53分)
- 金正日総書記が中国大使館を訪問、朝鮮中央通信(YONHAP NEWS) (5日 10時 13分)
- 北朝鮮が初期段階履行の意志、南北首席代表会合で(YONHAP NEWS) (5日 9時 48分)
- 作業部会 引けぬ2人 金桂寛・北外務次官 ヒル米国防務次官補 (産経新聞) (5日 8時 0分)
- 新型核弾頭計画に反対論＝非核化に逆行－米(時事通信) (5日 7時 0分)
- 北次官、軽水炉事業復活に強い関心＝元 KEDO 事務局長と懇談(時事通信) (5日 7時 0分)
- <仏大統領選>ロワイヤル氏が防衛費2%維持を表明(毎日新聞) (4日 21時 9分)
- 北朝鮮の核放棄措置、米韓連携対応を強調…韓国外相(読売新聞) (3日 20時 56分)

- <米朝国交正常化>5日に初会合 核交渉にらみ模索(毎日新聞) (3日 17時 38分)
- <カダフィ大佐>核放棄後の対応で国際社会に不満(毎日新聞) (3日 17時 36分)
- BDAの北朝鮮資金、来週中にも一部解除へ(YONHAP NEWS) (3日 12時 59分)
- 米と妥協の余地模索=FTAの北朝鮮工業団地問題で-韓国外相(時事通信) (3日 11時 1分)
- 北のウラン濃縮「不明」 米高官、慎重発言相次ぐ(産経新聞) (3日 8時 1分)
- 各国外交官対象に韓国語研修、知韓派人材を育成(YONHAP NEWS) (2日 14時 37分)
- 米北朝鮮人権特使、北朝鮮に人権対話を提案(YONHAP NEWS) (2日 13時 17分)
- 交渉による核問題解決を望む=イラン外相(ロイター) (2日 11時 52分)
- 南北閣僚級会談最終日、大詰め協議で難航(YONHAP NEWS) (2日 9時 10分)
- 「国家ぐるみ」の証拠なし=批判のトーン後退-北の麻薬密輸で米報告書(時事通信) (2日 8時 1分)
- 対北金融制裁 マカオの口座凍結解除へ 米次官補 不正行為中止を要求(産経新聞) (1日 16時 35分)
- ヒル次官補「生産済プルトニウムは初期監視対象外」(YONHAP NEWS) (1日 16時 6分)
- 李統一部長官、金永南常任委員長を表敬訪問予定(YONHAP NEWS) (1日 14時 17分)
- 宋外交通商部長官が訪米、ライス国務長官と会談(YONHAP NEWS) (1日 11時 57分)
- 米朝関係正常化の作業部会、5~6日にNYで開催(YONHAP NEWS) (1日 9時 32分)
- イラン、2015年に核兵器完成 米情報長官証言(産経新聞) (1日 8時 0分)
- 北のミサイル問題論議へ=6カ国協議の作業部会-米次官補(時事通信) (1日 6時 0分)
- <被爆2世>生活習慣病と親被爆の関連示す「証拠見られず」(毎日新聞) (2月 28日 23時 3分)
- 政治・経済交流拡大で合意=対北連携確認、領土問題も協議-日口首相(時事通信) (2月 28日 21時 1分)
- 北朝鮮、ミサイルは「合法的権利」=南北閣僚級会談2日目(時事通信) (2月 28日 18時 0分)
- 核兵器開発 イラン、2015年までに製造完了 (産経新聞) (2月 28日 15時 52分)
- 3月13日訪朝で最終調整=査察再開に向け協議-IAEA事務局長(時事通信) (2月 28日 15時 0分)
- 1月の対北貿易、96.5%減=制裁措置の影響続く-財務省(時事通信) (2月 28日 13時 2分)
- 北朝鮮、韓国の支援なければ食糧200万トン不足(YONHAP NEWS) (28日 9時 34分)
- 北にとって改革開放と核開発は別個、盧大統領(YONHAP NEWS) (28日 9時 29分)
- 南北閣僚級会談が開幕、7か月ぶり平壤で(YONHAP NEWS) (28日 9時 27分)
- イラン、15年までに核兵器製造=外交交渉引き延ばし狙う-米情報長官(時事通信) (28日 9時 0分)
- 作業部会 日朝と米朝、ほぼ同時期 外相、来月上旬の見通し(産経新聞) (28日 8時 1分)
- <韓国>盧大統領が記者会見 北朝鮮の核開発は「交渉用」(毎日新聞) (27日 21時 7分)
- 核計画検証へ追加要求も=6カ国協議合意で米副補佐官(時事通信) (27日 19時 0分)
- 「米が安全の保証を」国連委前委員長(産経新聞) (27日 16時 9分)
- [韓国] 今年の国民所得2万ドル達せず、サムスン研見通し(YONHAP NEWS) (27日 15時 56分)

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

### 3/5 「ニュース」更新

日韓防衛首脳会談 /// 統幕と韓国合同参謀本部 /// 連絡体制強化で一致

ネパールPKO /// 要員訓練など着手 /// 支援態勢に万全期す

米F22戦闘機12機 /// 嘉手納に暫定配備

米英へFX調査団派遣

情報収集衛星 /// 2基の打上げ成功 /// 「光学」と「レーダ」 予定の軌道を周回

ゴラン23次隊1波現地入り

防大 55 期 1428 人が合格 /// 防医大は 266 人、17.9 倍

18 年度広報担当者会議 /// 「国際社会も関心」 /// 広報課長 正確な情報発信要望

統合運用の円滑化目指し /// 後方補給の課題討議 /// 市ヶ谷などで初の業務会議

東奔西走の空自移動通信隊 /// 航空機運用の“土台”を支える /// 通信網の維持一手に /// 災派でも真っ先に展開

### 3/2 「コラム」更新

・朝雲寸言 /// ・日本版 NSC の成否 /// ・MD 巡る“ミニ冷戦”

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### [民間航空機関連 (ex-SJAC 三輪さん)]

2007 年 3 月 3 日 0:56 AIA dailyLead March 2, 2007

#### エアバス A380 貨物機型プログラム 後倒し

##### Airbus postpones freighter version of A380

Airbus said Thursday it is rescheduling its A380 freighter program, a move that surprised United Parcel Service. UPS is the plane's last remaining customer. Airbus did not release details on its new plan for the aircraft. Bloomberg/ClipSyndicate (3/2), The Seattle Times/Bloomberg (3/2), The Wall Street Journal (subscription required) (3/2), Seattle Post-Intelligencer (3/2), Aviation Daily (3/1)

#### ハネウェル社 ヘリコプター需要 堅調と予想

##### Honeywell projects robust demand for helicopters

Honeywell expects robust demand for commercial helicopters through 2011. Sales will climb more than 30% over previous projections, the company says, with strong growth in Asia driving nearly a quarter of the sales. The Wall Street Journal (3/1)

#### ボーイング 2 月 51 機受注契約達成

##### Boeing lands orders for 51 commercial planes in February

Boeing in February received orders worth about \$8 billion for 51 commercial planes. The jetmaker has booked orders for 64 planes so far in 2007. The New York Times/Reuters (3/1)

#### 航空旅行する人に、環境保全のためのオフセットを購入させる方式も試案されている

##### Firms pitch offsets to counter environmental impact of travel

Some companies are giving travelers the opportunity to offset the environmental impact of their trips by purchasing offsets to finance green investment such as planting trees. These programs, some for profit and others not for profit, are controversial because of their questionable effectiveness and accountability. Emissions calculators for these organizations varied widely and reached different conclusions about trip distance and emissions generated. USA TODAY (3/2)

#### 航空人権法案の成立は足踏み状態

##### Lawmakers seek alternatives to passengers' rights legislation

Lawmakers are reluctant to move forward with passengers' rights legislation because they have other priorities, including changing the funding system for the air traffic control system. Additionally, airlines have taken steps to respond to the public's criticism of extensive delays. A House panel will hold a hearing in April to investigate the reasons behind extensive delays. CQ.com (3/1)

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2007 年 3 月 2 日 1:01 AIA dailyLead March 1, 2007

## エアバス 人員整理計に対して、労働者の反発広がる

### Airbus job cuts spark protests among workers

Nearly 14,000 French workers on Wednesday protested Airbus' plan to shed jobs and sell up to six factories. When Airbus said it would shut two plants in Germany and seek a partner for another, workers at the affected plants retaliated by walking out in protest. Airbus hopes its restructuring plan will cut billions in costs and help it compete against Boeing. Air Transport World (3/1), The New York Times (3/1), Reuters (3/1), Air Transport World (3/1)

## ボーイング 747 伸張型機につきエアラインと協議に入っている

### Boeing, airlines discuss new, longer 747

Boeing is discussing the market prospects for a new, longer 747 with 15 companies in Europe, Asia and the Middle East. The jetmaker declined to name potential customers for the plane. Seattle Post-Intelligencer/Associated Press (3/1)

## US エア航空 フィラデルフィア-中国路線を申請

### US Airways to apply for Philadelphia-China flights

US Airways will compete to fly the next route between the U.S. and China. The airline will propose flights between Philadelphia International Airport and China. Five other airlines have said they are interested in launching new flights to China from one of their hub airports. The Philadelphia Inquirer (3/1)

## US エア航空 債務補填のため新たなローン計画

### US Airways to refinance loans, debt: US Airways said Wednesday it plans to refinance up to \$1.6 billion in loans and unsecured debt.

The company said \$1.25 billion of the loans are originally from jetmaker Airbus, the Air Transportation Stabilization Board's loan program and General Electric. US Airways said its \$325 million in unsecured debt is related to America West's merger with US Airways. International Herald Tribune/Associated Press (2/28)

## ノースウエスト航空 遅延便対策のアクション実施

### Northwest takes steps to stay on schedule

The staff at Northwest Airlines' operations center works to get passengers to their destinations on schedule and has taken steps to prevent travelers from being delayed on jetliners. Operations employees track how long a plane waits before taking off, and the airline's goal is to never allow a plane to be delayed for two hours or more. Star Tribune (Minneapolis-St. Paul) (free registration) (2/28)

## 論評: 整備関連事業は今後統合される動き

### Commentary: MRO business has the ability to integrate

Airlines are scaling back their in-house maintenance capabilities, writes Ray Valeikia, an aviation adviser and retired senior vice president of technical operations at Delta Air Lines. He says the MRO business remains fragmented and that non-airline companies have not yet taken advantage of the opportunity "awaiting the first-to-market independent maintenance integrator." Overhaul & Maintenance (2/28)

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2007年3月1日 1:21 AIA dailyLead February 28, 2007

## エアバス 経営合理化から人員整理計画を発表

### Airbus to announce plans to cut work force

European jetmaker Airbus may announce today plans to cut its workforce by nearly 20%. The board of Airbus parent EADS has approved



the plan, which will reduce costs by \$6.6 billion over the next three years. The Wall Street Journal (2/28), The New York Times (2/28), The Washington Post/Associated Press (2/28)

### **エアバス A380、3 月予定されているアメリカへの初乗り入れ、NY とロス両空港へ 2 機を飛ばす**

#### **Airbus A380 will stop at Los Angeles airport: Airbus and Qantas Airways say**

the A380 superjumbo jet will stop in Los Angeles when it visits the U.S. in March. Two A380s will land simultaneously in Los Angeles and in New York on March 19. Crews in Los Angeles will test airfield maneuvering, docking at a terminal gate, and ground-handling services. Breaking Travel News (2/28)

### **シュワルツネッガー加州知事 社用ジェット機制限で二酸化炭素排出規制に一步を記す**

#### **Schwarzenegger may log carbon output from his corporate jet travel**

California Gov. Arnold Schwarzenegger is trying to make up for his large carbon footprint by signing laws to curb global warming. He is also looking into logging his travel on the California Climate Action Registry. The registry would offset the governor's carbon emissions by planting or protecting trees and other efforts. Los Angeles Times (free registration) (2/27)

### **エアライン ロス空港の使用料や賃料の高騰を批判**

#### **Airlines criticize steep fees, rents at Los Angeles airport**

Twenty-two airlines have joined a complaint criticizing steep fees and rents at Los Angeles International Airport. Rents are expected to increase sharply at the airport next month when current leases expire. Airlines want federal officials to overturn a fee increase and refund higher charges already paid. USA TODAY/Associated Press (2/27)

### **ノースウェスト航空破産審議裁判所 同社のメサバ航空買収計画を承認**

#### **Northwest bankruptcy judge approves purchase of Mesaba**

The judge overseeing Northwest Airlines' bankruptcy said Tuesday that Northwest may buy Mesaba Airlines. Under the sale agreement, Mesaba creditors would receive a \$145 million claim against Northwest. The agreement still needs approval from Mesaba's bankruptcy judge. Star Tribune (Minneapolis-St. Paul)/Bloomberg (free registration) (2/27), Reuters (2/28)

### **2006 年 航空機の離着陸時事故件数 増えた**

#### **Number of takeoff, landing incidents rises in 2006**

The risk that travelers face during takeoff and landing has increased in recent years, observers say. Congestion, weather, runway design and pilot errors contribute to the higher risk, according to analysts. In 2006, 330 runway incidents occurred, up from 240 in 1995. Nevada's North Las Vegas Airport and California's Long Beach/Dougherty Field reported a high number of incidents last year. MSNBC/Forbes (2/26), Kiplinger Washington Editors/Associated Press (2/28)

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2007 年 2 月 28 日 0:47 AIA dailyLead February 27, 2007

### **エアライン 旧型フリート代替計画に直面**

#### **Carriers face challenges upgrading older fleets**

Several large airlines want to replace their aging planes, but they are struggling to find aircraft to meet their needs. American Airlines, Delta Air Lines and United Airlines hope to purchase next-generation single-aisle planes. However, Airbus and Boeing have yet to design new single-aisle models. The Wall Street Journal (2/27)

### **エアバス機構改革計画 EADS 役員会にて承認さる**

#### **EADS board approves plan to restructure Airbus**

The board of EADS has approved a restructuring plan for jetmaker Airbus. EADS said it will release details after it explains the plan to workers' representatives on Feb. 28. Reuters (2/27)

### **コラム: 航空機での紛失手荷物を減少するためのハイテク・タグ**

#### **Column: High-tech tags may reduce lost bags**

A baggage-tagging system now used in Las Vegas and Hong Kong Airports could reduce the number of lost bags, the Wall Street Journal's Scott McCartney writes. An airline group this summer will decide whether to require carriers to use the technology. The Wall Street Journal (2/27)

### **スタディー: シミュレータの効果は、経験あるパイロットのほうによりよく発揮される**

#### **Study: Experienced pilots fare well in simulator tests**

A simulator study of pilot performance over three years found that older pilots improved more than younger pilots throughout the experiment. The study suggests that people who remain active in their careers do not necessarily lose their skills as they age. San Francisco Chronicle (2/26)

### **エアトラン とミッドウェスト航空の合併はウイスコンシン州経済へ貢献と予想**

#### **AirTran says merger would add jobs, strengthen Wis. economy**

A merger of AirTran Airways and Midwest Air Group would create 1,100 jobs and a \$1 billion economic benefit for Wisconsin, AirTran said in a filing with the Securities and Exchange Commission on Monday. Midwest has rejected AirTran's \$345 million offer. American City Business Journals/Milwaukee (2/26), Milwaukee Journal Sentinel (free registration) (2/26), WESH 2 News (Central Florida) (2/27)

### **グッドリッチ 大韓航空 とランディングギア修理契約調印**

#### **Goodrich lands Korean Air maintenance contract**

Goodrich Corp. will provide landing-gear services for Korean Airlines' fleet of Boeing 747s and 737s. Terms were not disclosed. American City Business Journals/Charlotte (2/26)

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2007年2月27日 1:48 AIA dailyLead February 26, 2007

### **FAA 航空管制システム構築に 三社入札資格(ロッキード、レイセオン、ITT)**

#### **Three firms qualify to bid on FAA contract**

Three defense companies have qualified to bid on a portion of an FAA contract to upgrade the nation's air traffic control system. Lockheed Martin, Raytheon and ITT may bid on the contract, which is expected to be awarded as soon as July. The FAA hopes the system improves runway operations and increases the number of planes that can fly safely at the same time. Newsday (Long Island, N.Y.)/Associated Press (2/23)

### **ボーイング CEO 業績を回復基調にもどす**

#### **Boeing CEO gets jetmaker back on track**

In his first 20 months on the job, Boeing Chief Executive Jim McNerney has stressed the importance of ethics at the company and has overseen soaring sales. Boeing's share price has risen 43%. McNerney also has helped the company land important DOD and DHS

contracts in recent months. USA TODAY (2/26)

### 航空エンジン功労者 プライアン・ロー氏逝去(享年 75 歳)

#### Aircraft engine innovator Rowe dies

Brian H. Rowe developed engines for all types of aircraft, from 777 widebodies to F-16 fighter jets. He was chief executive of General Electric 's aircraft engine business from 1979 to 1993. Rowe died Thursday at age 75. The Wall Street Journal (2/24)

### UPS A380F (貨物型)の引渡し遅らせる

#### UPS pushes back delivery date for A380F

United Parcel Service has pushed back the delivery date for 10 A380 superjumbo jet freighters from Airbus. The cargo carrier also has kept open the option of canceling the order. The planes were originally supposed to be delivered between 2009 and 2012, but the new date was not disclosed. The New York Times/Reuters (2/23), Air Transport World (2/26)

### ヴァージン・アメリカ A320 機をリースに出す

#### Virgin America leases planes to other carriers

Virgin America plans to lease its A320s to other carriers to generate revenue. The carrier is struggling to win permission from regulators to operate flights in the U.S. The DOT may make a decision in the next few weeks. Reuters (2/23)

### 航空便遅延情報は、より確信できる情報を求めて旅行専門 Web サイトへ

#### Fliers turn to private Web sites to check on delays

Thousands of travelers used privately run Web sites to check on delays when winter storms snarled airline operations earlier this month. "Passengers are getting savvier and getting less dependent on the airlines," said Michael MacNair, chief executive of MacNair Travel Management. "So they have to do it themselves, and these are some of the tools where they can get the information they need," he said. The Washington Post (2/25)

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2007 年 3 月 3 日 0:56 AIA dailyLead March 2, 2007

**誘惑から逃げようとするものは、たいてい転出先住所を残すものだ。**

**(完全に誘惑から逃れきることは出来ない。誘惑に対して自分の所在は断絶させない。)**

作家 レーン・オリングハウス

**"Those who flee temptation generally leave a forwarding address."**

--Lane Olinghouse, author

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2007 年 3 月 2 日 1:01 AIA dailyLead March 1, 2007

**やりはじめたら とことんやりぬけ。**

**(徹底してやれないんだったら、なんで始めたんだ?)**

NFL 殿堂入りクォーターバック ジョー・ナマス

**"If you aren't going all the way, why go at all?"**

--Joe Namath, NFL Hall of Fame quarterback

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2007 年 3 月 1 日 1:21 AIA dailyLead February 28, 2007

実際の人生から退屈な部分をカットしたもの それがドラマである。

映画監督プロデューサー アルフレッド ヒッチコック

“Drama is life with the dull bits cut out.”

--Alfred Hitchcock, film director and producer

2007年2月28日 0:47 AIA dailyLead February 27, 2007

リーダーシップの難しい点は、自分といってもそのままの自分ではなく、他の人からどう見られているかであることを理解することである。

フロリダ・スチール CEO エドワード L. フロム

“One of the hardest tasks of leadership is understanding that you are not what you are, but what you’re perceived to be by others.”

--Edward L. Flom, CEO of Florida Steel

2007年2月27日 1:48 AIA dailyLead February 26, 2007

自分でコントロールできない事象を心配しても始まらない。もし何がしかでもコントロール出来るのであれば、心配などする代わりにそうすべきである。

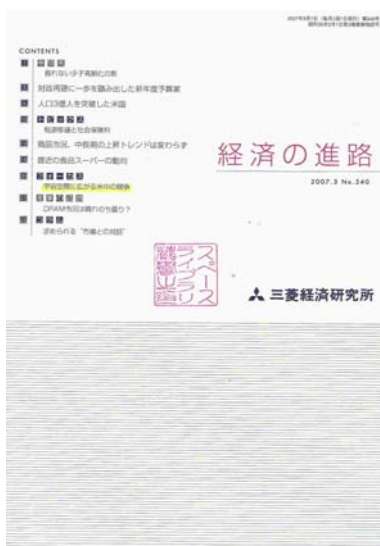
元 NCR 社 CEO スタンレー C アリン

“There is no use worrying about things over which you have no control, and if you have control, you can do something about them instead of worrying.”

--Stanley C. Allyn, former CEO of National Cash Register Co

【新刊紹介】 経済の進路 2007.3 三菱経済研究所

page 20 フォーカス 宇宙空間に広がる米中の競争



【新刊紹介】 諸君! 2007.4

page 44- 中国の人工衛星破壊は人類に対する背信行為だ

河井克行(衆議院議員・自民党宇宙開発特別委員会副委員長) / 志方俊之(帝京大学教授・元陸将)

／松本零士(漫画家・日本宇宙少年団理事長) / 毛利 衛(宇宙飛行士・日本科学未来館館長)

『鉄腕アトム』で宇宙への夢を育んだ日本人ならではの平和的な宇宙開発戦略を築こう

page 55- 宇宙戦略で遅れをとるな 青木節子(慶応大学教授)

非軍事利用・日米衛生調達合意。日本を縛る二つのくびきから今こそ脱却すべき時だ



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

**Monday, March 5**

**政府は商用衛星を守るべき**

**Government Should Protect Commercial Sats**

Aerospace Daily — 1:28 pm ET (1828 GMT)

[http://www.aviationweek.com/aw/generic/story\\_channel.jsp?channel=space&id=news/SATS03057](http://www.aviationweek.com/aw/generic/story_channel.jsp?channel=space&id=news/SATS03057)

[.xml&headline=Government%20Should%20Protect%20Commercial%20Sats](http://www.spacetoday.net/xml&headline=Government%20Should%20Protect%20Commercial%20Sats)

**イランと北朝鮮ミサイル及び中国の ASAT への懸念強まる**

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<http://www.aviationweek.com/aw/generic/story.jsp?id=news/aw030507p2.xml&headline=Concerns>

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**China's Anti-Satellite Program Alarming**

Jewish Institute for National Security Affairs — 8:41 pm ET (0141 GMT)

<http://www.jinsa.org/articles/articles.html/function/view/categoryid/884>

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**アカデミーの士官学校生は打上げに備える**

**Academy cadets prepare to have a blast ... off**

US Air Force — 8:36 pm ET (0136 GMT)

<http://www.af.mil/news/story.asp?id=123042715>

**Wednesday, February 28**

**衛星と国家安全保障**

**Satellites and national security**

Bangkok Post — 7:00 pm ET (0000 GMT)

**Tuesday, February 27**

**Tacsat-2 は良好に動作、空軍発言**

**Tacsat-2 Operating Well, AF Says**

Aerospace Daily — 2:16 pm ET (1916 GMT)

[http://www.aviationweek.com/aw/generic/story\\_channel.jsp?channel=space&id=news/TAC02276](http://www.aviationweek.com/aw/generic/story_channel.jsp?channel=space&id=news/TAC02276)

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**Monday, February 26**

**CDI: FY08 予算は宇宙兵器をサポートし得る**

**CDI: FY '08 Spending Could Support Space Weapons**

Aerospace Daily — 12:17 pm ET (1717 GMT)

[http://www.aviationweek.com/aw/generic/story\\_channel.jsp?channel=space&id=news/CDI02267.x](http://www.aviationweek.com/aw/generic/story_channel.jsp?channel=space&id=news/CDI02267.x)

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

**Monday, March 5**

**中国は 2008 年のスペースウォークに向けて計画進む**

**China on schedule for spacewalk in 2008**

New Scientist — 1:36 pm ET (1836 GMT)

<http://space.newscientist.com/article/dn11312-china-on-schedule-for-spacewalk-in-2008.html>

**専門家: 1名の中国宇宙飛行士が2008年にスペースウォーク**

**Expert: 1 Chinese astronaut will walk in space in '08**

Xinhua — 6:30 am ET (1130 GMT)

[http://news.xinhuanet.com/english/2007-03/05/content\\_5804145.htm](http://news.xinhuanet.com/english/2007-03/05/content_5804145.htm)

**レポート: 中国は2008年の宇宙飛行yを目指す**

**Report: China aims for 2008 space flight**

AP — 6:26 am ET (1126 GMT)

[http://news.yahoo.com/s/ap/20070305/ap\\_on\\_sc/china\\_space](http://news.yahoo.com/s/ap/20070305/ap_on_sc/china_space)

**中国のスペースウォークに自国製宇宙服**

**Homemade suit for Chinese spacewalk**

AFP — 6:24 am ET (1124 GMT)

<http://www.spacedaily.com/2006/070305095133.689owosk.html>

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Aviation Week — 6:07 am ET (1107 GMT)

<http://www.aviationweek.com/aw/generic/story.jsp?id=news/aw030507p2.xml&headline=Concerns>

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