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AW&ST 070903, SpaceFlight 0709, Air & SpacePower 07Fall, Smithsonian Air&Space 0709, ISAS News 0708, SpaceSecurity 2007, アップ

[謝辞] JAXA より ISAS News 0708 寄贈、感謝, ESA より bulletin No.131 august 2007 寄贈感謝。

[Reader's Voice] Bended Wing(X-48)の形、「ひこうき草」に似ていません？これまでのトンボ型からエイ(マンタ)型に変化していくと思うだけ

でも楽しいですね。でもやっぱり飛行機はトンボ型と思うのは、オールディーズ？



ひこうき草



Boeing X-48B BWB

07.09 Futron

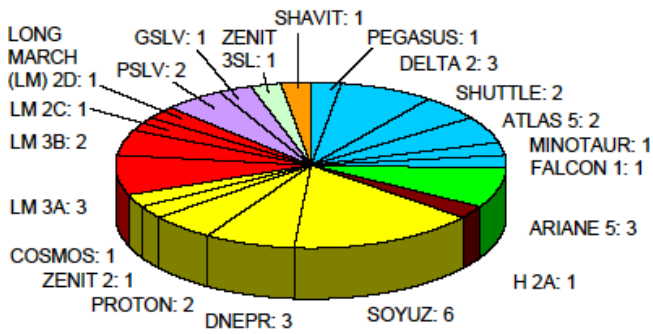
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>August 22 – October 3</b>			22	23	24	25
26	27	28	29	30	31	1
2 Satish Dhawan Insat 4C R (Comm.) GSLV	3	4	5	6 Baikonur JCSAT 11 (Comm.) Proton	7	8
9	10	11	12	13 Tanegashima Kaguya (Science) and secondaries H 2A 2022	14 Baikonur Foton M3 (Science) Soyuz	15
16	17 Satish Dhawan Cartosat 2A (Remote Sensing) and secondaries PSLV	18 VAFB Worldview 1 (Remote Sensing) Delta 2 7925-10	19 Taiyuan CBERS/Ziyuan 2B (Remote Sensing) Long March 4B	20	21 CCAFS WGS 1 (Military) Atlas 5	22
23	24	25	26 CCAFS Dawn (Science) Delta 2 7925H	27	28	29
30	1	2	3		9/X Xichang Chang'e 1 (Scientific) Long March 3A	9/X Kourou Intelsat 11 and Optus D2 (Communications) Ariane 5 GS

Legend: ■ USA ■ Russia ■ Japan ■ Europe  
■ Multinational ■ China ■ India ■ Israel

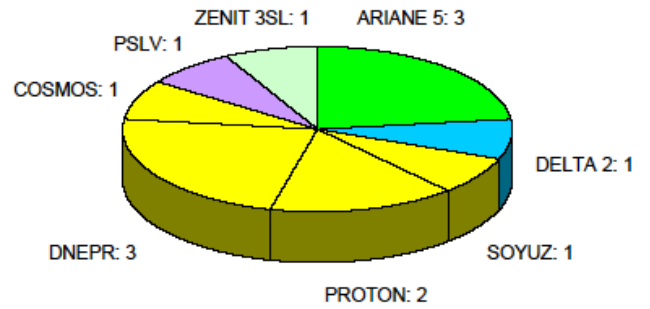
Success  Failure  Partial Failure  
 Commercial

2007 Orbital Launches by Launch Vehicle Family

2007 Orbital Commercial Launches by Launch Vehicle Family

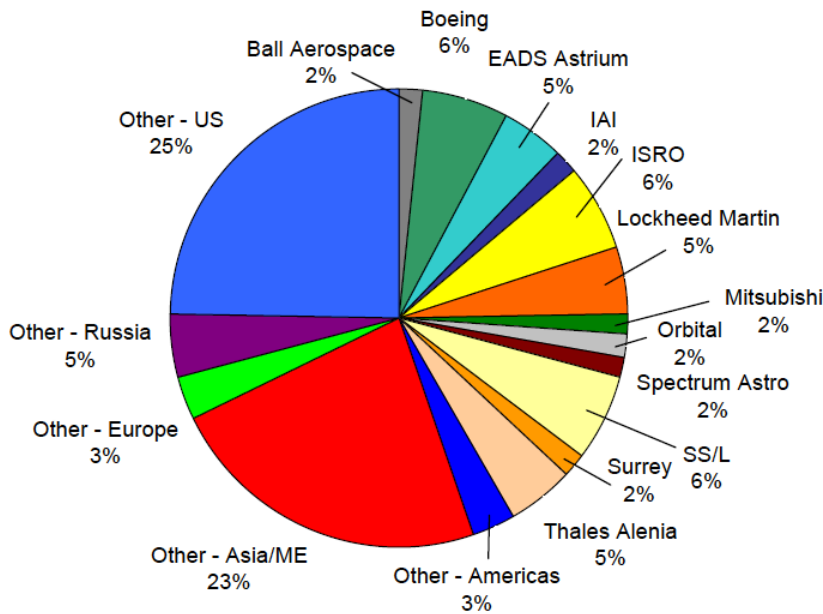


Total: 39



Total: 13

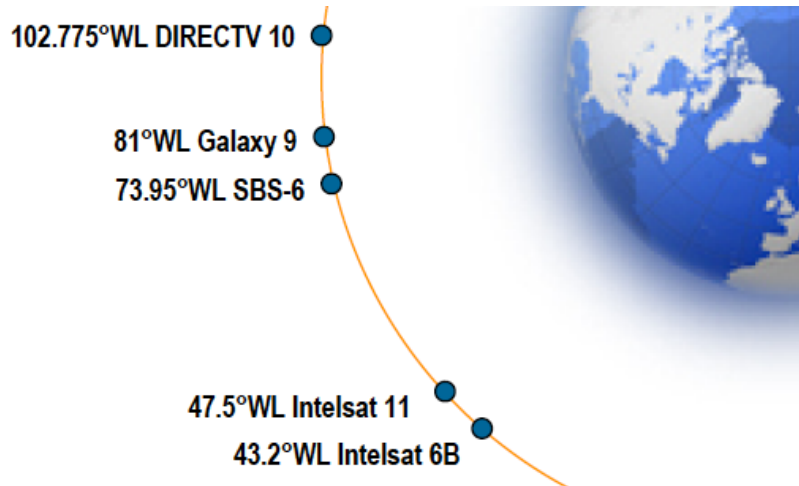
**Manufacturer Market Share of Satellites Launched Through August 31, 2007**



Manufacturer	Number	Share
Ball Aerospace	1	2%
Boeing	4	6%
EADS Astrium	3	5%
IAI	1	2%
ISRO	4	6%
Lockheed Martin	3	5%
Mitsubishi	1	2%
Orbital	1	2%
Spectrum Astro	1	2%
SS/L	4	6%
Surrey	1	2%
Thales Alenia	3	5%
Other - Americas	2	3%
Other - Asia/ME	15	23%
Other - Europe	2	3%
Other - Russia	3	5%
Other - US	16	25%
<b>Total</b>	<b>65</b>	

Due to rounding, percentages may not equal 100%

**Selected Satellites with Regulatory Activity During August 2007**



Description of Selected Regulatory Activity for August 2007 (derived from Futron's FCCFilings.com service)

Location	Satellite	Activity
43.2 WL	Intelsat 6B	PanAmSat applied to move Intelsat 6B from 43.1 WL to 43.2 WL and operate it there for a period of 180 days starting on November 1, 2007 following the transfer of traffic from Intelsat 6B to Intelsat 11.
47.5 WL	Intelsat 11	PanAmSat applied to conduct in-orbit testing of Intelsat 11 in the conventional C-and Ku-band frequencies at 47.5 WL for a period of 60 days starting on September 28, 2007.
73.95 WL	SBS-6	The FCC granted PanAmSat's request to move SBS-6 from 74.05 WL to 73.95 WL following the transfer of traffic from SBS-6 to Galaxy 17.
81 WL	Galaxy 9	The FCC granted PanAmSat's request to permanently relocate Galaxy 9 from 74.15 WL to 81 WL.
102.775 WL	DIRECTV 10	The FCC granted DIRECTV's request to operate DIRECTV 10 at 102.775 WL.

2007/9/12 00:32 Technobahn

### 米国政府、電子メール自動解析システムでテロ組織の摘発に成功

米政府が導入している電子メールの自動解析システム (Surveillance Configuration) を用いた捜査により独でテロを計画していたイスラム系テロリストグループ摘発に成功していたことが 10 日、ニューヨークタイムズ紙の報道により明らかとなった。このシステムは 9.11 同時多発テロの教訓から導入されたもので、インターネット・プロバイダの基幹ネットワークを行き来するパケットの情報を解析し、「爆弾」や「テロ」などのキーワードが含まれている電子メールを自動的に抽出するものとなる。システム利用は個人のプライバシーを侵害するものとして米連邦裁判所が使

<http://www.technobahn.com/cgi-bin/news/read2?f=200709120032&page=2>

用を禁じる命令を出していたが、米議会が異例の決定を行うことにより裁判所の決定を覆して利用を継続させたいわく付きのシステムともなる。ニューヨークタイムズ紙によると、このシステムで検挙されたのはアルカイダ系のイスラム・テロ組織「Islamic Jihad Union」のメンバ。報道内容がどの事件を指しているのかについては明らかではないが、今月 4 日には独フランクフルト国際空港とラムシュタイン基地に対して爆発テロを計画していたとして、アルカイダ系のテロ組織が摘発されていた。

2007/9/11 23:56 Technobahn

### 米陸軍、史上初 ロボットを対人戦闘に投入

米国防総省は 8 日、イラクに配備している無人攻撃機「MQ-5B/C Hunter」を対人戦闘に初めて用いて、道路に爆発物を仕掛けようとしていた 2 名の敵性戦闘員を殺害したことを発表した。米国防総省の発表によると今月 1 日、イラクの Qayyarah の近くで爆発物を所持していた敵と米軍地上部隊との間で戦闘が勃発。その後、地上部隊の支援要請を受けて武装した Hunter が投入され、Hunter に装備された精密誘導兵器による攻撃の結果、2 名の敵性戦闘員が死亡したと述べ

<http://www.technobahn.com/cgi-bin/news/read2?f=200709112356>

いる。米国防総省では無人機による敵兵の殺害は米陸軍の歴史上、初めての出来事だとも述べている。Hunter は米軍の無人戦術航空機システム。本来の用途は偵察用。



2007/9/11 12:45 Technobahn

### 中国、米英独に続いてフランス政府にもサイバー攻撃？

仏内務省国防総事務局は 8 日、中国に関連するグループが仏政府のコンピュータにハッキング攻撃を加えていたと発表。ハッキングを行ったグループに関し、仏政府は「中国政府が関与したとする証拠は握っているが、中国政府によるものだ」と断言するには至っていない」と述べている。先月 26 日には、独連邦憲法擁護庁 (日本の公安調査庁に相当) の捜査により人民解放軍が独

首相府、経済省、外務省、教育研究省など、複数政府機関に侵入

<http://www.technobahn.com/cgi-bin/news/read2?f=200709111245>

を行っていたことが明らかとなったことを皮切りに、今月 3 日には、英フィナンシャルタイムズ紙は中国人民解放軍が、米国防総省ネットワーク中枢まで侵入していたと報道 (米国防総省は侵入の事実を認めたが、侵入発信源に関しては言及を避けた)。更に、今月 5 日には英ガーディアン紙が中国から英国外務省など複数政府機関ネットワークに侵入が行われていたと報じるなど、最近になってからインターネットを舞台とした中国による諜報活動が活発化してきている。

2007/9/11 12:32 Technobahn

### アップルの iPhone、予想より早く販売台数 100 万台を達成

アップルが北米市場で販売開始した多機能携帯電話「iPhone」が先週時点で、発売開始から 74 日目で通算販売台数、100 万台を達成していたことが 10 日、会社関係者の発言によって明らかとなった。アップルは当初、100 万台の販売台数を達成するのは 9 月末時点だと見込

んでいたが、先週、8 ギガバイトのモデルを 200 ドル値下げして 399 ドルとする発表したことが効果を現して、売上に再び拍車がかかった格好となった模様。市場では当初、アップルが iPhone 値下げを行ったのは売行きが芳しくないことが原因ではないかといった見方もでていたが、アナリ

ストのアップルに向けられてそうした厳しい見方は完全に否定された格好ともなった。



<http://www.technobahn.com/cgi-bin/news/read2?f=200709111232>

2007/9/10 17:14 Technobahn

### プロトンロケット事故、打上げから2分後に空中爆発していた

6日に打上げに失敗したプロトンロケットは、打上げから135秒後、高度74kmで空中爆発を起こしていたことが7日、ロシア宇宙局(Roscosmos)発表により明らかとなった。Roscosmosによると搭載されていたロケット燃焼のほとんどは空中でロケットが爆発した際に燃焼したが、一部の燃料はロケット残骸と共にカザフスタンのDzhezkazganの南西50kmにある砂漠地帯に落下。ロケット残骸の落下地点には100平方mに渡って残存燃料の燃焼跡が広がっていることも確認したも述べている。今回、爆発事故を起こしたプロトンM型ロケットは1960年代から生産されてきたプロトンロケット改良版。ロケット生産と打上げは、ロシア政府系企業とアトラスロケットの生産を行ってきた米ロッキード・マーチン子会社による合弁企業ILS社が行っている。プロトンM型ロケット自体は2001年の初打上げ以降、17回の打上げ実績があるが、爆発

<http://www.technobahn.com/cgi-bin/news/read2?f=200709101714&page=2>

事故を起こしたのは今回が初。これまで、日、米、欧、ロ、中国などの宇宙先進国が保有する大型ロケットの中では最も信頼性が高いロケットと見なされてきただけに、ロ、米、欧の宇宙関係者の間では衝撃が広がっている。ロシアのロケット発射基地があるカザフスタン共和国は、プロトンロケット爆発事故を受け、事故原因が解明されるまで、全てのプロトンロケット打上げ禁止命令も出した。



2007/9/10 11:43 Technobahn

### 宇宙からエネルギーを地上にビーム転送、米政府関係者が試案を公開

軌道上の衛星に搭載されたソーラパネルを使って発電したエネルギーをレーザ・ビームに転換し地上に転送するという途方もないアイデア実用化に向けた試案が米政府関係者によって公開された。この試案を公開したのは米宇宙安全保障局(NSSO:National Security Space Office)で米政府の宇宙計画の企画・立案を行っているMichael V. Smith氏。NSSOと米空軍アカデミーが共同で主催したセミナーで発表していたもののサマリを1日付で、Smith氏自身が専門サイトに投稿したことにより明らかとなった。専門サイト投稿文の中で、Smith氏は、前線の戦闘部隊や災害地域での電力確保の観点から衛星のソーラパネルで集めた電力をビームに転換し地上に転送する技術の研究・開発を進めることが急務だと主張。その上で、2015年をメドに実験レベルのエネルギー転送技術の確立を進めたいとの考えを明らかにした。この技術はいわゆる「Space Solar Power(宇宙太陽光発電)」として概

<http://www.technobahn.com/cgi-bin/news/read2?f=200709101143&page=2>

念的には1980年代から提唱されていたものとなる。しかし、米政府関係者から実用化に向けた具体的なタイム・スケジュールが言及されたのは今回が初。Smith氏はこの方法が実用化された場合、静止軌道上に展開した約40機の太陽エネルギー発電衛星を使うことによって全米で必要となる全電力の10%を供給することも可能だとも述べている。



**宇宙飛行士健康委員会の委員長は精力的に判明事項を守る**

**Astronaut-health panel chairman vigorously defends findings**

Capitol Hill testimony on the issue of preflight alcohol abuse by astronauts Sept. 6 didn't resolve conflicting accounts that have

grown up around the charges. .

**米政府は最初の NPOESS 衛星にセンサを搭載することを思案**

**Government mulls adding sensor back to first NPOESS satellite**

The Bush administration and the agencies leading the National Polar-orbiting Operational Environmental Satellite System

(NPOESS) program are considering adding the OMPS-Limb sensor back onto the first operational . . .

**Telesat Canada と Ciel はカナダの新しい軌道位置を占める予定**

**Telesat Canada, Ciel to fill Canada's new orbital positions**

ORBITAL POSITIONS: Telesat Canada and SES's new Canadian affiliate, Ciel, both indicate they plan to fill all of the new orbital

positions allocated by Canada this summer. . . .

**Asia Broadcast Satellite は C-/Ku 帯の衛星に関する RFP を発行予定**

**Asia Broadcast Satellite to issue RFP for C-/Ku-band satellite**

C-/KU-BAND SAT RFP: Asia Broadcast Satellite of Hong Kong plans to issue a request for proposals for a new C-/Ku-band

satellite next month. A purchase decision is . . .

**Proton の事故は日本の JCSAT-11 衛星を破壊**

**Proton failure destroys Japan's JCSAT-11 spacecraft**

The failure of a 1.5 million-pound Russian Proton booster carrying a 4.5-ton Japanese communications satellite has

International Launch Services (ILS) concerned about holding onto its \$1 billion . . .

**TerreStar は S バンド・モバイル衛星サービスに関して EADS に ATP 進行承認を発行**

**TerreStar issues ATP to EADS for S-band MSS spacecraft**

MSS SPACECRAFT: TerreStar, a U.S. mobile satellite service startup, has issued an Authorization to Proceed (ATP) to EADS

Astrium for an S-band Mobile Satellite Services spacecraft to . . .

**海兵隊の特殊作戦はさらに優れたインテグレーションを要すると GAO は述べる**

**Marines' special ops needs better integration, GAO says**

The U.S. Marine Corps' component of U.S. Special Operations Command (USSOCOM) still needs some tweaking to make sure

Marine special operators can work together smoothly with those . . .

**SES Astra は通信衛星の RFP を発行予定**

**SES Astra to issue RFP for telecom spacecraft**

SPACECRAFT RFP: SES Astra will issue a request for proposals

in 2008-09 for two large telecom spacecraft to replace four older

Astra 2 units at Astra's 28.2 . . .

### 有人、無人航空機は海上の領域の(状況)認識の鍵である

#### Manned, unmanned aircraft key to maritime domain awareness

Manned and unmanned aircraft will be needed to protect maritime interests from terrorist attacks as the government

gears up its new joint maritime domain awareness (MDA) office, . .

### Apex Partners は Telenor Satellite Services を買収予定

#### Apex Partners to buy Telenor Satellite Services

ACQUISITION: Private equity firm Apex Partners has closed a deal to acquire Telenor Satellite Services. The company will be

combined with France Telecom's former mobile satellite communications . . .

### ブラジル Embraer は AMX 対地攻撃機の近代化を開始

#### Embraer starts AMX modernization

AMX UPGRADE: The Brazilian air force has handed the first of its AMX ground attack aircraft to Embraer to initiate a major

upgrade of the fleet. The . . .

### Avanti は衛星 3 機を購入予定

#### Avanti to buy three spacecraft

SPACECRAFT BUY: U.K. broadband startup Avanti will acquire three spacecraft over the next six months to supplement a single

unit already on order. One of the units, . . .

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Aerospace Daily & Defense Report Sep 6, 2007

### 今が米国輸出管理を作り直すのに一番良い機会だと当局は述べる

#### Now is best chance to remake U.S. export controls, officials say

There has never been a better chance than now to reform the U.S. export regime, U.S. and foreign officials and experts said

Sept. 5. But any change . . .

### NRC ナショナル・リサーチ・カウンシルは優先的予算に関して NASA/DOE のダーク・エネルギー・ミッションを推奨

#### NRC recommends NASA/DOE dark energy mission for priority funding

The National Academies' National Research Council (NRC) is recommending that one mission among the current slate of

NASA "Beyond Einstein" astrophysics missions – the Joint Dark Energy . . .

### Phoenix Mars Lander の UHF 無線機、レーダは飛行中のチェックで完了

#### Phoenix Mars Lander's UHF radio, radar complete in-flight checks

The Phoenix Mars lander's radar and UHF radio – both critical systems for a successful landing on May 25, 2008 – have

completed in-flight checks as the . . .

### 英国とオーストラリアの輸出取引は企業の推奨を反映

#### U.K., Australian export deals reflect industry recommendations

A pending U.S.-U.K. export controls treaty – whose details could be released in coming days – will reflect several regulatory

recommendations made earlier this year by industry ...

### Raytheon の Ares 搭載電子機器の入札での焦点は製造スキルである

#### Focus is on production skills in Raytheon's Ares avionics bid

Raytheon Missile Systems hopes NASA will be attracted to the skills it has honed building the U.S. Navy's Standard Missile 3

(SM-3) and the missile-defense Exoatmospheric Kill ...

### 米海軍は 2008 年にさらに広帯域を押し進める

#### Navy pushing for more bandwidth to ships in 2008

In the coming year the U.S. Navy plans to purchase new hardware and commercial satellite services to increase the

communications bandwidth available to ships by 50-70 percent, ...

### Optics 1 は SouthCom UAV 支援に関して SBIR フェイズ III 契約を獲得

#### Optics 1 gets SBIR Phase III deal for SouthCom UAV support

SOUTHCOM UAVS: The U.S. Navy has awarded a Phase III Small Business Innovative Research (SBIR) contract to Optics 1 to

help Southern Command in antiterrorist operations. The ...

### エアボーンレーザが議会委員会に誤解を受け、ボーイングは予算を満額とするようロビー活動 訂正 Correction

A Sept. 5 story on the Airborne Laser misidentified a congressional committee. Boeing plans to lobby the Senate

Appropriations Committee for full funding for ABL. The Senate ...

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[Aerospace Daily & Defense Report](#) Sep 5, 2007

### ボーイングは ABL 予算に関して SASC へのロビー活動で 2 年の遅れを強調

#### Boeing to stress two-year slip in lobbying SASC for ABL funds

The Airborne Laser (ABL) is still on target for an August 2009 in-flight ballistic missile kill test, as long as the Senate can

mitigate a proposed \$250 ...

### エンジニアリング&技術サービスが国防総省のサポートをさらに獲得しつつある

#### Engineering, technical services garnering more Pentagon support

Engineering and technical services appear to be growing in importance again within the Pentagon, according to an

Aerospace Daily analysis of 2007 DOD procurement data provided by ...

### ボーイングの FAB-T は Milstar 衛星とのインオペを実証

#### Boeing's FAB-T demonstrates interoperability with Milstar satellite

Boeing's Family of Advanced Beyond-line-of-sight Terminals (FAB-T) successfully acquired an operational Milstar satellite

and completed downlink data transmissions, the company announced...

### アリアンスペースは次世代グローバルスター衛星をソユーズで打上げ予定

#### Arianespace to launch next-gen Globalstar sats on Soyuz

Globalstar Inc. has picked Arianespace to launch its next-generation constellation of 24 low-Earth orbit (LEO)

communications satellites on Russian-built Soyuz rockets, but flying from the new Soyuz ...

### インドは GSLV ロケット 5 号機で INSAT-4CR を打上げ

#### India orbits INSAT-4CR on fifth GSLV rocket

India's fifth Geosynchronous Satellite Launch Vehicle - GSLV-F04 - blasted off Sept. 2 from Satish Dhawan Space

Center in Sriharikota, placing India's INSAT-4CR communication satellite into geosynchronous ...

### FY '08 は GWOT グローバル・ウォー・オン・テロリズムの歳出予算にとって高価な年となる見込み

#### FY '08 to be 'expensive' year for GWOT appropriations

GWOT EXPENSES: Fiscal 2008 will be an "expensive" year for the so-called global war on terrorism, according to George

Krumbhaar, senior editor of USBudget.com. President Bush's budget ..

### 2016 年までに 78,000 発以上の SAM が製造される見込み、Forecast International 述べる

#### More than 78,000 SAMs to be made by 2016, Forecast International says

More than 78,000 surface-to-air missiles (SAMs) will be produced between 2007 and 2016, Forecast International says. ...

### インド空軍パイロットはマイクロライト航空機で世界を 80 日で一周

#### Indian air force pilots fly around world in 80 days

Two Indian air force (IAF) pilots have set a new world record by successfully flying a microlight aircraft in the 300-500 kilogram

(660-1,100 pound) weight category around ...

### GPS IIR-M 衛星が予定通り進捗とロッキードは述べる

#### GPS IIR-M satellite on track, Lockheed says

GPS IIR-M PRODUCTION: Lockheed Martin and ITT have begun production to reconfigure a modernized Global Positioning

System Block IIR (GPS IIR-M) satellite to include a new demonstration ...

2007 年 9 月 5 日 人民網日本語版

### 「中国軍が米国防総省ネットワークを攻撃」は事実無根

外交部の定例会見で 4 日午後、姜瑜報道官が記者の質問に答えた。

——報道によると、米側は米国防総省のネットワークを攻撃した「ハッカー」は中国人民解放軍との見方を表明した。中国が外国政府のネットワークへ攻撃で非難されるのはこれで 2 回目だが、コメントは。最初の問題に関してだが、中国政府は「ハッカー」行為を含め、コンピュータネットワークを破壊するいかなる犯罪活動にも一貫して反対し、また法に基づき取締りを行っている。中米両国が建設的協力関係の発展に

尽力し、中米両軍の関係が良好な発展基調にあるという大局の下にありながら、いわれなく中国を非難し、中国軍が米国防総省にネットワーク攻撃を仕掛けたと出鱈目を公言する人間がいるが、これは事実無根であり、また冷戦思考の現れである。「ハッカー」攻撃は国際的な問題であり、中国も常に「ハッカー」攻撃を受けている。ネットワーク犯罪の取締面で、米を含む各国との協力を強化していきたい。(編集 NA)

[http://j.peopledaily.com.cn/2007/09/05/jp20070905\\_76328.html](http://j.peopledaily.com.cn/2007/09/05/jp20070905_76328.html)

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

### WildBlue はさらに大容量化のため緊急処理中



### WildBlue Scrambling for More Capacity

PARIS -- U.S. satellite-broadband provider **WildBlue** plans to select a contractor this year for a new satellite that will be far larger than its current spacecraft, which is fast running out of

capacity for certain geographic regions and will require **WildBlue** to lease interim capacity from **DirectTV** or **EchoStar**, **WildBlue** Chief Executive David Leonard said.

### プロトンの事故は打上げ市場の縮小の度合いを増す

#### Proton Failure Compounds Launch Market Squeeze

PARIS -- The Sept. 6 failure of a commercial Proton-M rocket following a second-stage anomaly will add pressure to a global

satellite market already under stress following the failure of another vehicle in January.

### ソユーズはグローバルスター衛星を仏ギアナから打上げ予定

#### Soyuz To Launch Globalstar Satellites from French Guiana

PARIS -- Twenty-four second-generation Globalstar mobile-telephone and data satellites will be launched aboard Russian Soyuz rockets operating from Europe's Guiana Space

Center in French Guiana, with the first launch scheduled in mid-2009, Globalstar Inc. and the Arianespace launch consortium announced Sept. 4.

### インドは通信衛星を打上げ

#### India Launches Telecom Satellite

WASHINGTON -- India completed the first orbit-raising maneuver Sept. 3 of its Insat-4CR telecommunications satellite, which was launched successfully the day before in the

return-to-flight mission of the country's Geostationary Satellite Launch Vehicle (**GSLV**), the Indian Space Research Organisation (**ISRO**) said in a press release.

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

### FAAからのADS-BシステムはITTに発注された

#### The FAA's Golden GPS Ring Captured by ITT Corporation

The initial Federal Aviation Administration (FAA) \$207 million, three-year contract for the development and deployment of the Automatic Dependent Surveillance-Broadcast (**ADS-B**) system

has been awarded to ITT Corporation. This program is tasked with improving the safety and efficiency of the growing demands of air transportation.

### ボーイングのインスペース修理キットは衛星を動作継続させる

#### Boeing's In-Space Repair Kit Can Keep Satellites Running

An unqualified success... a conclusion that now thrums with delight through the very soul of folk who work at Boeing, specifically Boeing Integrated Defense Systems, as the firm's

fourth-month demo of the Boeing Orbital Express system in the rigors of space reach their culmination.

### Sriharikotaの打上げに勝るものはあり得ない

#### Nothing Could Be Finer Than A Launch In... Sriharikota

Yet another successful launch... the birds are truly flying well of late. **INSAT-4CR** was inserted into orbit by the **GLSV-FO4** with a lift-off occurring from the Satish Dhawan Space Center at Sriharikota at 6:21 p.m. on Sunday, September 2nd. Packing 12

Ku-band transponders, the satellite was injected into a Geosynchronous Transfer Orbit (GTO) of 170 km perigee and 35,975 km apogee with an orbital inclination of 21.7 degrees with respect to the equator about 17.55 minutes after lift-off.

## Garmin は nüvi 700 シリーズを新発売

### Garmin Says Do Not Go Blindly Into That Dark, Dark Night... Or Bright, Bright Day, For That Matter

Knowing where to go, or having assistance in doing so, avoids numerous cuts and bruises and otherwise dented vehicles while scrambling for a map in the glove compartment, or pulling the map from your face with your car window open while driving...

fortunately, there is the new Garmin nüvi 700 series satellite navigation system just released. The user interface is intuitive and offers an easy navigation experience.

## うまく整合した Thales Glove のようにソユーズは整合するか？

### Should Fit The Soyuz Like A Well-Fitted Thales Glove

The second test satellite in the Galileo navigation constellation is on its way to ESTEC in Noordwijk, the Netherlands, from Thales Alenia Space's plant in Rome. In Rome, Thales's plant conducted

satellite integration, platform and system tests, as well as vibration and shock assessments.

## グローバルスターは第2世代の衛星の部品を全ていっしょに搭載

### Globalstar Has All The 2ndGen SatGoodies Pieced Together

A launch agreement has been signed between Globalstar, Inc. [NASDAQ: GSAT] and European launch services company, Arianespace. The event both will work on is for the launch of

Globalstar's secondgen Low Earth orbit (LEO) satellite constellation.

## ボーイングのすばらしい FAB-T 端末

### Boeing's FABulous Link

How FAB... actually, FAB-T... Family of Advanced Beyond line-of-sight Terminals, with The Boeing Company [NYSE: BA] successfully demo'ing for the first these systems can acquire an operational satellite and complete downlink transmissions. During

the Low Data Rate test, a FAB-T radio communicated with an operational Milstar satellite and completed a series of downlink tests.

## ロッキードマーチンは GPS に関して極端に民間的

### Lockheed Martin Is Extremely Civil With GPS

Activities are now underway by a team led by Lockheed Martin [NYSE: LTM] to reconfigure a modernized Global Positioning System Block IIR (GPS IIR-M) satellite. Included in this project

will be a new demo payload to temporarily transmit a third civil signal following a successful review by the U.S. Air Force.

## Radyne のゲートウェイはハブ&スポーク・ネットワークの価格を下げる予定

### Radyne's Gateway To Lower Cost Hub And Spoke Networks

Providing full mesh, hub and spoke and hybrid network activities is the new MDX420 Satellite Network Gateway unveiled by Radyne Corporation [NASDAQ: RADN] at IBC in Amsterdam.

The MDX420 applies Time Division Multiple Access (TDMA) and can operate in single channel per carried mode—all on the same platform.

## ESA はテザーと銀河を眺めるプロジェクトのスポンサに

### ESA Sponsored Tethers and Galaxy Gazing

Scheduled to fly later this month is a European Space Agency (ESA) student project that will find a space tether performing a capsule deorbit maneuver. Parts of Africa, the Middle East, South

America (below 55 degrees S), Antarctic Peninsula (above 82 degrees South), Eastern Russia and Western Alaska (above 170 degrees East) should find the tether visible.

### ILS, Khruichev と JSAT から JCSAT-11 打上げ事故フォローアップ情報が公表される

#### JCSAT-11 Launch Failure Follow-Up: Info Releases From ILS, Khruichev & JSAT

ILS Declares Proton Launch Anomaly Khruichev and International Launch Services regret to announce the failure of the Proton launch vehicle to put the JCSAT-11 satellite into

proper orbit for JSAT Corporation. The Proton Breeze M rocket lifted off at 4:43 a.m. today from the Baikonur Cosmodrome.

### アムステルダム IBC 2007 で Andrew 社は出品する新しい衛星通信製品を

#### Andrew Corporation Reveals All @ IBC

Andrew Corporation is going to be revealing several new satellite communications products during IBC 2007 in Amsterdam. The

company is located indoors at Stand 1.436 and outdoors at Stand #0300E. A quick view of their new offerings uncovers:

### Apax は Telenor Satellite Services の重要買収完了

#### An Acquisition By Apax of Major Importance

Apax Partners has successfully completed their purchase of Telenor Satellite Services. Telenor will now be blended into Apax' Vizada brand. Apax now combines the resources of two industry veterans – the former Telenor Satellite Services (TSS)

and the former France Telecom Mobile Satellite Communications (FTMSC) under the Vizada brand – maintaining continuity of service for existing customers while creating a new market leader in the global satellite communications industry.

### インテルサットのトリプル・プレイ3社と契約を結ぶ

#### Triple Play For Intelsat

Intelsat, Ltd. has signed new agreements with three companies—Strong Technologies, RRSAT Global and Rádio e

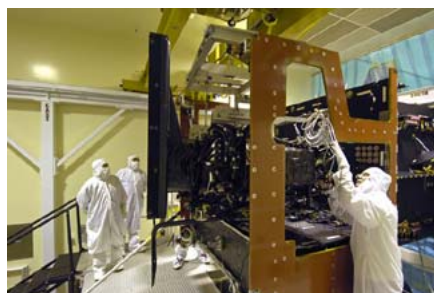
Televisão de Portugal... here are the details.

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

### September 10, 2007 ロッキード・マーチンは初の種類のみ사일警戒衛星の鍵となる統合マイルストーンを達成

#### Lockheed Martin Achieves Key Integration Milestone On First-Of-Its-Kind Missile Warning Satellite

[http://www.lockheedmartin.com/news/press\\_releases/2007/0910ss\\_sbirsgeo1.html](http://www.lockheedmartin.com/news/press_releases/2007/0910ss_sbirsgeo1.html)



### September 04, 2007 ロッキード・マーチンのチームは近代化衛星に GPS の実証信号を加える生産作業に移行

**Lockheed Martin Team Shifts Into Production Effort To Add GPS Demonstration Signal To Modernized Satellite**

[http://www.lockheedmartin.com/news/press\\_releases/2007/0904ss\\_GPSITT.html](http://www.lockheedmartin.com/news/press_releases/2007/0904ss_GPSITT.html)

**September 04, 2007 ロッキード・マーチンの製造した JCSAT-11 は Baikonur 宇宙基地から打上げ準備完了**

**Lockheed Martin-Built JCSAT-11 Satellite Ready For Launch From Baikonur Cosmodrome**

[http://www.lockheedmartin.com/news/press\\_releases/2007/0904ss\\_JCSATA Advisory.html](http://www.lockheedmartin.com/news/press_releases/2007/0904ss_JCSATA Advisory.html)

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

**Sep. 4, 2007 ボーイングは AWACS レーダ周波数アンテナで\$20.6M を契約**

**Boeing Awarded \$20.6 Million Contract for AWACS Radar Frequency Antennas**

[http://www.boeing.com/news/releases/2007/q3/070904b\\_nr.html](http://www.boeing.com/news/releases/2007/q3/070904b_nr.html)

**Sep. 4, 2007 ボーイングは Milsatar 衛星に関して FAB-T 端末のインオペを実証**

**Boeing Demonstrates FAB-T Interoperability with Milstar Satellite**

[http://www.boeing.com/news/releases/2007/q3/070904a\\_nr.html](http://www.boeing.com/news/releases/2007/q3/070904a_nr.html)

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

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

**10-Sep-2007 チェコの防衛省はスウェーデンの暗号装置調達に進む**

**Czech MoD gets go-ahead to procure Swedish encryption scramblers**

The Czech Ministry of Defence (MoD) has been given approval by the government in Prague to procure communications encryption scramblers from Sweden for use on...

**10-Sep-2007 ロシアはインドのならわしを保つための手段を取る**

**Russia takes steps to retain Indian custom**

Moscow has begun engaging India in military exercises to enhance interoperability in a bid to stop New Delhi turning to the US, Israel and other...

**10-Sep-2007 国防総省はミッション・クリティカル技術の抽出ができないと GAO は述べる**

**Pentagon cannot spot mission-critical technologies, says US GAO**

The Pentagon is unable to identify mission-critical technologies and would be poorly prepared to identify technology priorities to keep operations running if a contractor was...

**10-Sep-2007 オーストラリアの企業は米国の輸出協定の恩恵を蒙ることに**

**Australian firms to enjoy US export treaty benefits**

Australia and the US signed an agreement on 5 September that will permit licence-free exporting of defence equipment and allow Australia greater access to US...

**10-Sep-2007 C4ASW Orion 対潜機はセンサ統合の目標をはぐむ**

### C4ASW Orion furthers sensor integration goals

Lockheed Martin has successfully demonstrated the next phase in providing full, simultaneous sensor integration and transmission

over Link 16 in the US Navy (USN) P-3...

### 07-Sep-2007 スウェーデンの防衛相は予算の削減に抗議し辞職

#### Swedish Defence Minister resigns in protest against cuts

The Swedish Defence Minister, Mikael Odenberg, resigned on 5 September in protest at forthcoming cuts to the country's

defence budget. Odenberg, a member of the...

### 06-Sep-2007 ボーイングの機体は ABL の低エネルギーのレーザ統合を受ける

#### Boeing aircraft receives surrogate ABL integration

During the recently completed Airborne Laser (ABL) flight tests, a Boeing 747-400ER commercial aircraft was equipped with a

low-power laser system acting as a surrogate...

[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]

9/9 嫦娥 1 号は 10/30 打上か(朝)

9/6 スカパー-JSAT 打上失敗の代替機を発注(時,経)

9/6 JAXA 次期固体ロケット 宇宙開発委が了承 2011 年打上目指す(時)

#### [予定]

9/14 1100GMT 打上:微小重力実験 Foton M3,テザー実験 YES2],Soyuz,Baikonur

9/13 10:35:47JST 打上:月周回衛星かぐや(SELENE),H2A 13 号機,種子島

#### [EVENT]

9/14 「空の日・宇宙の日」記念特別講演会,日本航空協会

JAXA「宇宙の日」記念 宇宙教室

・9/12 余市町立東中学校,姫路飾西高等学校

・9/14 つくば市立高崎中学校,ソフィア・塚 2 階プラネタリウム

#### [学会]

9/14 申込締切:15th AIAA International Space Planes and Hypersonic Systems and Technologies Conference,4/28-5/1,Dayton,Ohio

9/12-14 Low Cost Planetary Missions Symposium, Pasadena, California

#### [TV] ディスカバリチャンネル他

WOWOW MOONLIGHT MILE

・9/13 2200-2300 1st シーズン総集編

・9/13(毎週木曜夜)2300-2330,再 9/18(毎週火曜朝)0430-0500 2nd シーズン開始

・9/11 2145,9/13 0235,0715 特番 鳥越俊太郎×太田垣康男

[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/)

- 初の月探査衛星、来月 30 日打上げかー中国(時事通信) (9 日 15 時 0 分)

- 陳総統「あくまで推進」姿勢 国連加盟、きしむ米台(産経新聞) (8 日 8 時 1 分)

- 北、異例のスパイ摘発発表 情報流出に警戒あらわ(産経新聞) (7日 10時 55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/)

- 「かぐや」打上げ、14日に延期＝天候不良予想で－種子島(時事通信) (11日 14時 1分)
- 月の裏側まで“身体検査” 探査衛星「かぐや」13日打上げ(産経新聞) (10日 20時 3分)

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**[ミサイル防衛]** [http://dailynews.yahoo.co.jp/fc/world/missile\\_defense\\_system/?1181274734](http://dailynews.yahoo.co.jp/fc/world/missile_defense_system/?1181274734)

- ミサイル防衛問題で「楽観主義」＝ロシア大統領、対決姿勢和らぐ(時事通信) (10日 23時 0分)
- <プッシュ米大統領>プーチン露大統領と会談 シドニー(毎日新聞) (7日 21時 8分)
- レーダ共同使用で調査＝ミサイル防衛めぐり協議－米口首脳(時事通信) (7日 21時 0分)
- <プッシュ米大統領>プーチン露大統領と会談 シドニー(毎日新聞) (7日 21時 8分)
- レーダ共同使用で調査＝ミサイル防衛めぐり協議－米口首脳(時事通信) (7日 21時 0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/)

- イラク駐留米軍、13万人への削減を勧告…司令官が下院で(読売新聞) (11日 13時 52分)
- 「ボーナス」発言の局長を注意＝米軍再編交付金で高村防衛相(時事通信) (11日 13時 2分)
- <イラク政府>大規模な米兵力削減にはクギ(毎日新聞) (11日 11時 1分)
- <イラク駐留米軍>撤退は周辺国の介入招く 駐イラク米大使(毎日新聞) (11日 10時 57分)
- <イラク駐留米軍>来夏までに3万人減 公聴会で司令官証言(毎日新聞) (11日 10時 52分)
- イラク駐留米軍、来夏に13万人に縮小可能＝司令官(ロイター) (11日 10時 42分)



- 米軍司令官、「イラク増派終結」を勧告(時事通信) (11日 9時 50分)



- 泡瀬水域共同使用 「更新1年」文書送付(琉球新報) (11日 9時 48分)
- 再編交付金は「ボーナス」 鎌田防衛局長が言及(琉球新報) (11日 9時 42分)
- 米、イラク関与政策継続へ 週内に最終報告(産経新聞) (11日 6時 24分)
- 来夏の「イラク増派終結」を勧告＝7月までに3万人削減へ－米軍司令官(時事通信) (11日 6時 0分)
- 沖縄集団自決の大江氏賠償訴訟、体験者「軍命あった」証言(読売新聞) (11日 2時 52分)
- 内戦阻止と自賛＝米情勢報告前にイラク首相(時事通信) (10日 21時 0分)
- 米司令官、来年8月まで計3万人のイラク駐留軍削減案勧告(読売新聞) (10日 19時 31分)

- 韓国軍の対テロ要員、アフガンで任務遂行していた(YONHAP NEWS) (10日16時20分)
- イラン・イラク国境に米軍基地＝武器流入阻止、国防総省が計画－WSJ紙(時事通信) (10日16時0分)
- <洋上活動新法>国会承認規定を削除 政府検討(毎日新聞) (10日15時2分)
- 駐イラク米大使らの議会証言、大幅な政策変更に対する見通し(ロイター) (10日11時42分)
- <APEC>米大統領、イラクに始まりイラクに終わる(毎日新聞) (10日11時12分)
- 大統領より現場指揮官を信頼＝イラク撤退求める－米紙世論調査(時事通信) (10日11時0分)
- 基地「ノー」で連帯を 軍隊を許さない女たちの会(琉球新報) (9日9時43分)
- イラク駐留司令官 「治安面で進展」成果を強調(産経新聞) (9日8時1分)
- 米軍F16戦闘機、福岡空港に緊急着陸…エンジン故障で(読売新聞) (9日1時18分)
- <緊急着陸>米戦闘機2機が福岡空港に エンジントラブル(毎日新聞) (9日1時6分)
- 「マリキ政権に失望」、イラク駐留米軍司令官がHPに書簡(読売新聞) (9日0時48分)
- 高村防衛相が沖縄県知事と会談、普天間移設の手順で溝(読売新聞) (8日20時53分)
- アセス手続きに「疑義あり」＝仲井真沖縄知事が高村防衛相に－普天間移設(時事通信) (8日19時0分)
- <普天間移設>環境アセス後の修正に柔軟姿勢 高村防衛相(毎日新聞) (8日18時53分)
- 防衛相と名護市長が会談(産経新聞) (8日17時5分)
- 米、インド洋給油活動継続に強い期待…日米首脳会談(読売新聞) (8日14時23分)
- 3年ぶり、ビンラーディン映像…イラクでの戦闘継続を訴え(読売新聞) (8日11時49分)
- 海自の給油、イラク戦争転用を否定…米国防総省報道官(読売新聞) (8日11時33分)
- <高村防衛相>沖縄訪問 普天間問題で名護市長と会談(毎日新聞) (8日10時59分)
- 爆音100デシベル超、2日65回 嘉手納基地(琉球新報) (8日10時21分)
- レーダなしで30分間管制業務 嘉手納ラプコン故障(琉球新報) (8日10時17分)
- 米海軍佐世保基地LCAC 時間外運用が増加 自主ルール守らず(西日本新聞) (8日10時8分)
- イラク作戦への転用を否定＝海自の洋上補給で米国防総省(時事通信) (8日10時1分)
- 県と国、主張対立 知事、防衛相ときょう会談(琉球新報) (8日9時50分)
- 普天間移設は平行線＝防衛相、名護市長と会談(時事通信) (8日9時0分)
- <イラク駐留米軍>削減求める報告…独立調査委(毎日新聞) (7日23時57分)
- BBC22か国調査、7割がイラク多国籍軍1年以内撤退を(読売新聞) (7日21時52分)
- 7割が「多国籍軍は早期撤退を」＝イラク情勢で国際世論調査－英BBC(時事通信) (7日21時0分)
- イラク米軍司令官、兵力小幅削減を大統領に進言…米紙報道(読売新聞) (7日20時25分)
- KF-16墜落事故、原因は操縦士の空間識失調(YONHAP NEWS) (7日20時18分)
- 米軍立川基地跡に9施設集約へ＝自治体に協力要請－法務省(時事通信) (7日17時1分)
- 嘉手納ラプコン レーダ故障15便遅れ(琉球新報) (7日16時14分)

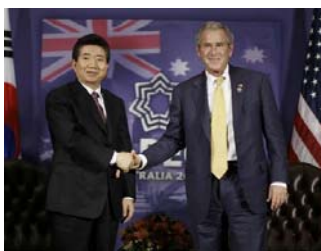
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**【核兵器】** [http://dailynews.yahoo.co.jp/fc/world/nuclear\\_weapons/](http://dailynews.yahoo.co.jp/fc/world/nuclear_weapons/)

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- IAEA理事会 イランの姿勢追及へ 行動計画は「時間稼ぎ」(産経新聞) (11日8時0分)
- 安倍首相の所信表明演説全文(3)「拉致解決へ鉄の意志」(産経新聞) (10日15時7分)
- 北、モンゴルに労働力 外貨狙い1000人規模も(産経新聞) (10日2時30分)
- 「対米テロ強化」ビンラーディン容疑者がビデオ声明(産経新聞) (9日8時1分)
- 安倍首相と米大統領が会談 APEC首脳会議(産経新聞) (8日17時5分)
- 米大統領、海自の給油活動継続を要請(産経新聞) (8日13時11分)

- ビンラーディン容疑者、3年ぶりビデオ声明(産経新聞) (8日 11時 49分)
- 対北朝鮮経済制裁、半年間延長方針…拉致問題で進展なく(読売新聞) (8日 3時 7分)
- <韓国大統領>朝鮮戦争の終結、米に確認求める(毎日新聞) (7日 23時 48分)
- 無能力化対象の核施設調査、米中露の専門家が訪朝へ(読売新聞) (7日 23時 3分)
- <米大統領>対北朝鮮「平和条約も可能」…核計画放棄条件に(毎日新聞) (7日 22時 39分)
- 米韓首脳、北朝鮮が核放棄なら和平体制構築方針で合意(読売新聞) (7日 20時 42分)
- <ブッシュ米大統領>APECをOPECと言い間違え(毎日新聞) (7日 19時 52分)
- 韓米首脳「南北首脳会談で平和協定共同署名を提案」(YONHAP NEWS) (7日 17時 52分)
- 北の核放棄後に朝鮮戦争終結=南北会談で履行促す-米韓首脳(時事通信) (7日 16時 1分)
- 北朝鮮の核兵器プログラム放棄で平和条約の提案も=ブッシュ大統領(ロイター) (7日 15時 40分)



- 「しょうがない」発言、改めて陳謝(時事通信) (7日 11時 42分)
- <久間元防衛相>原爆投下発言で改めて謝罪(毎日新聞) (7日 11時 18分)

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

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## 9/10「ニュース」更新

施設庁が閉庁式 45年の歴史閉じる

9月1日付 参事官級異動 /// 事務次官に増田氏 /// 中江官房長 金沢防政局長 桜井監査監

副大臣に江渡氏 政務官に寺田、秋元氏

20年度防衛費 装備近代化に重点 /// 防空・哨戒能力を強化へ

日中防衛首脳会談 /// 艦艇相互訪問など合意 当局間にホットライン

曹国防相講演 /// 防衛交流の意義強調 中国脅威論「根拠ない」

20年度防衛費 概算要求の主要事項

防災の日 大地震「統合演習」で備え /// 隊員 3000人、車両 580両、艦艇5隻、航空機 75機 /// 東海地震対応訓練 図上から実動まで

8都県市訓練 さいたま会場 /// 32普連など9部隊参加

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## **[民間航空機関連 (ex-SJAC 三輪さん)]**

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2007年9月11日 0:05 AIA dailyLead September 10, 2007

### **米国 オーストラリアと新たな防衛取引協定に調印 (取引規制緩和の方向)**

#### **U.S. signs new defense trade agreement with Australia**

The U.S. and Australia have agreed to loosen restrictions on sales of U.S. armaments to Australia. Once finalized, the treaty will allow prescreened firms to export approved defense technology to Australia without going through the current licensing process. Instead, the firms will notify the State Department that the sale has taken place. The treaty must still be approved by the Senate. Defense Industry



### 英国の無人機、太陽光(ソーラー発電)で2晩飛び続けることに成功

#### Unmanned solar plane flies through two nights

An unmanned, solar-powered plane has flown for a record-breaking 54 hours, according to UK defense firm Qinetiq. Researchers say that the plane, called the Zephyr, is believed to be the first to fly straight through two nights. The flight will not be officially recorded as a record, however, because the company did not notify the world air sports federation about the test. BBC (9/9)

### エミレーツ航空 787 デリバリー遅れのおそれを平静に受け止める

#### Emirates unconcerned by possible Dreamliner delay

Emirates President Tim Clark said that the possible delayed delivery of Boeing's 787 Dreamliner would not be a factor in the airline's evaluation of the 787 and A350 for an order for 100 aircraft. "It would have been a miracle for Boeing to have flown the 787 on time," Clark said. The 787 Dreamliner will be "one of the finest aircraft ever built," he said. "If you think about it, there is just so much new technology in the 787 it is no surprise at all there is a short delay and the supply chain has let [Boeing] down." Air Transport World (9/10)

### デルタ航空 767-300ER 機種に燃費提言のためのウイングレット装着

#### Delta looking to reduce fuel costs with winglet retrofits

Aviation Partners Boeing has announced an order from Delta Air Lines for 15 winglet systems to be installed in the carrier's fleet of Boeing 767-300ERs. Aviation says the retrofit will allow Delta to reduce fuel costs on current routes and allow it to serve new markets with existing aircraft by providing fuel savings, added range, and improved takeoff performance. The retrofit will also lower carbon dioxide and nitrous oxide emissions along with takeoff noise. RTT News (9/10)

### ロス空港 混雑解消のために近隣空港へ便を振り分けること検討

#### Efforts to ease LAX traffic frustrated by lack of real alternatives

California officials have expressed interest in reducing air traffic at Los Angeles International Airport by spreading some of it to other airports in the region. Their efforts are frustrated by the fact that airports convenient to travelers are already operating at capacity, and most have limited room for growth. Los Angeles Times (free registration) (9/10)

### 地上走行時の電気モーター使用につき FAA 承認を求める

#### FAA approval sought for electric motors for moving aircraft on ground

WheelTug and Newport Aeronautical Development are expected to announce their application to the FAA for approval to install fuel-saving motors on Boeing 737s. WheelTug says the motor allows pilots to push back from passenger terminals without the use of an external tug and can power taxi at speeds of up to 20 miles per hour, eliminating the use of jet engines for movement about the airport. The Wall Street Journal (subscription required) (9/10)

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2007年9月8日 0:10 AIA dailyLead September 7, 2007

### BAE 社 サウジ向け72機ユーロファイター(タイフーン)契約の期待

#### BAE, Saudi Arabia expected to sign deal for 72 fighter jets

BAE is poised to close a deal with Saudi Arabia that will have the defense contractor supplying the Middle Eastern nation with 72 Eurofighter Typhoon jets for about \$40 billion. Negotiations were complicated by an investigation by the British Serious Fraud Office,

with the Saudis threatening to pull out if the investigation continued. The British government shut down the investigation. The Times (London) (9/6) , Reuters (9/7)

### **ボーイングのブレンディドウィング(飛ぶ翼)は航空機のイメージを変える**

#### **Boeing's blended wing may change the look of aviation**

In a market where customers are looking to improve the fuel efficiency of their planes, Boeing's X-48B has attracted a lot of attention. Researchers say the plane's innovative blended wing design and the lightweight composite materials it's made from could improve the fuel efficiency of future planes by 20% to 30%. The X-48B has attracted keen interest from NASA and the Air Force Research Laboratory, among others. "My understanding is that it has the potential to be a very efficient plane," said Lt. Scott Vanhoogen, X-48B project manager for the Air Force Research Lab. The Atlanta Journal-Constitution (free registration) (9/7)

### **787 機ドロップ(落下)テスト、シミュレーション予測どおりの結果で試験パス**

#### **Dreamliner model passes drop test**

Results from a test in which Boeing engineers dropped a section of the 787 Dreamliner's fuselage from a 15-foot height matched researcher's predictions, meaning that Boeing's computer models are capable of accurately predicting the how the plane's body will perform in an accident. That means that further physical tests will be unnecessary, as computer simulations can provide the needed information. Seattle Post-Intelligencer/Associated Press (9/6)

### **エアバスの中国現地組み立てコストは割高になるとの見通し**

#### **Airbus will pay higher production costs at China plant**

Airbus officials concede that it will cost more to assemble planes at the plant it co-owns with local companies in China. The increased costs stem from the time and expense inherent in moving needed parts to that part of the world. Company executives hope to recoup the cost in increased business from China. The Wall Street Journal (subscription required) (9/6)

### **FAA の空域見直しで燃料と時間が節約される(JFK 空港最大手ジェットブルー航空によると)**

#### **Savings of fuel and time expected with FAA plan to redesign airspace**

Airlines flying in and out of airspace due for an FAA redesign, including JetBlue, will likely save time and fuel. John F. Kennedy International Airport's biggest carrier, JetBlue, says delays cost it \$50 a minute in extra fuel, payroll and vouchers to inconvenienced customers. "The vast majority of savings we expect from the redesign of the N.Y. airspace is driven by the efficiency of operations," said a JetBlue spokeswoman. The Wall Street Journal/Dow Jones Newswires (subscription required) (9/6) , Newsday (Long Island, N.Y.) (9/6)

### **FAA 規則で 60 歳定年を迎えた米国のパイロットが、定年後はアジアのエアラインで採用**

#### **Pilots deemed too old by FAA fly for Asian airlines**

American pilots who are forced to retire at age 60 are being recruited to fly for airlines in Southeast Asia. Every year, the FAA grounds thousands of pilots as they reach mandatory retirement age. Recruiters from abroad then swoop in with offers from foreign carriers. "We're on the lookout for pilots who have just had their 60th birthday," said one recruiter. "We help set them up with various countries around Asia." The Washington Times (9/7)

### **ボーイング 737 機 中国南方航空に 55 機、38 億ドル相当受注**

#### **Boeing lands \$3.8 billion China Southern Airlines order for 55 planes**

**S 日本の JAXA 2030 年までに 宇宙空間で太陽光発電計画**

**S Blog: Japan aims for space-based solar power by 2030**

Putting solar collectors into space circumvents the biggest problems facing the environmentally sound energy source — namely night-time and cloud cover that keeps the sun's rays from reaching earth-bound collectors. Japan's space agency, JAXA, has plans to put solar collectors in orbit and then beam 42% of the collected energy to Earth via lasers. The agency hopes to have the system in place by 2030. Sci Fi Tech (9/6)

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2007 年 9 月 7 日 0:21      AIA dailyLead      September 6, 2007

**世界の現況に合わせて 軍事関連技術輸出許可手続きの改革**

**Reform of defense export licensing procedures may be within reach**

Defense contractors have long chafed at the lengthy licensing process required to secure the right to export military hardware and technology. Changes in geopolitical realities may spur a greater openness for export, as the U.S. sees an advantage to arming allies in the global war on terror. "The administration has welcomed suggestions for change," said Jeremiah Gertler, vice president for defense and international affairs at the Aerospace Industries Association. "There is openness to reform," he told a gathering of U.S. and foreign defense and industry officials. Defense News (9/5)

**空軍の給油機をめぐる商戦ヒートアップ**

**Competition for Air Force tanker contract heating up**

The Air Force will be awarding a \$40 billion contract for 179 refueling tankers as early as December. The contract could be the first installment of a deal for 500 planes worth up to \$100 billion. World Politics Review (9/6)

**ボーイング EA-18G 関連で海軍から受注 135 百万ドル**

**Boeing lands Navy contracts worth \$135 million**

Boeing and its McDonnell Douglas subsidiary have won two Navy contracts worth more than \$135 million. One contract, for eight EA-18G low-rate initial production I airborne electronic attack kits, is worth more than \$122.3 million. The other contract, worth almost \$13 million, is for the procurement of factory test equipment in support of the EA-18G aircraft. American City Business Journals (9/5)

**ドリームライナー機内備品(シート等) B/E エアロスペース社受注は 1 億ドル以上**

**B/E Aerospace nets Dreamliner deals worth more than \$100 million**

B/E Aerospace reported landing contracts worth more than \$100 million to supply seats for four airlines' Boeing 787 Dreamliners. The manufacturer of aircraft cabin products said it expects the value of the deals to exceed \$150 million after orders for oxygen systems, passenger services units and food and beverage products are finalized. American City Business Journals (9/6)

**ボーイング 787 テストフライト遅れにもかかわらず、出荷日程は予定通り 2008 年 5 月**

**Boeing says 787 delivery schedule on track despite testing delays**

The Dreamliner's delayed first flight won't affect the planned delivery of the first jet in May of 2008, according to Boeing officials. Assembly hitches are lengthening the time needed to get the first plane ready for testing. The first flight was originally scheduled for late August but has been pushed back to November or December. The Detroit News/Associated Press (9/5) , Air Transport World (9/6) , The Street.com (9/5) , AviationWeek.com (9/5) , USA TODAY (9/5) , The New York Times (9/5)

### **ボーイング機の火災事故の原因となっているフロントガラスに改善要求**

#### **Air-safety board urges action on Boeing windshield fires**

Federal air-safety watchdogs issued a strongly worded letter urging the FAA to act on problem Boeing windshields that have been linked to nine fires in passenger jets since 2004. The recommendations urge the FAA to approve a Boeing service bulletin covering 767 models and to require installation of safer, redesigned windshield parts on hundreds of Boeing 747, 757, 767 and 777 jetliners. The Wall Street Journal (subscription required) (9/5)

### **ニューヨーク空域の見直し FAA 近く実施**

#### **FAA will redesign New York airspace**

Following a decade of research into potential noise and congestion relief, the FAA says it is ready to implement changes in air traffic flow around the New York and Philadelphia metropolitan areas. Officials say that the plan would reduce delays by 20% when it is fully implemented, particularly at Liberty International Airport in Newark, N.J., and New York's LaGuardia and Kennedy, the nation's three most congested airports. Eventually, this could result in fewer delays for travelers across the country, as well. The changes will begin within months and are expected to be complete by 2011. Houston Chronicle/Bloomberg (9/5) , The Star-Ledger (Newark, N.J.) (9/6) , Poughkeepsie Journal (N.Y.) (9/5) , USA TODAY (9/6) , Associated Press (9/5) , The Philadelphia Inquirer (9/5) , Aviation Daily (9/6)

### **コラム: エアラインの機体メンテナンスの第三者へ外注は十分な監督をしている**

#### **Column: Airlines say third-party maintenance supervised, safe**

Financial realities have led many U.S. airlines to outsource aircraft maintenance tasks, sometimes to overseas operations that are difficult for the FAA to properly monitor. Carriers say that safety isn't compromised because the airlines themselves keep close tabs on the offshore shops. The Street.com (9/6)

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2007年9月6日 0:18 AIA dailyLead September 5, 2007

### **航空機搭載レーザープログラム 予算削減で2年程度の遅れと ボーイング首脳**

#### **Boeing exec: Budget cuts will delay airborne laser program**

A Boeing executive warns that proposed budget cuts will set back the airborne laser program by two years. The program is meant to arm aircraft with missile-downing laser weapons. Forbes/Associated Press (9/4)

### **エアバス A380、乗客席数少ないコンフィギュレーションでは空港渋滞のメリットは消去**

#### **Airbus 380 configuration may erase potential benefit to airports**

Airports around the world that upgraded facilities to accommodate the Airbus A380 may not see benefits they were hoping for. Airlines are seating fewer passengers than expected on the huge planes, negating some of the expected congestion-easing benefits. The Wall Street Journal (subscription required) (9/5)

### **米国・カナダの立法府では、依然機内携帯電話を使用許可について慎重**

#### **North American regulators buck trend of allowing in-flight cell phone use**

Regulators in the U.S. and Canada stand practically alone in holding the line against in-flight cell phone use. Carriers in Europe and the Middle East are testing travelers' responses to the technology with an eye to eventually allowing passengers to text and talk at will. North American regulators remain unconvinced the devices won't have an impact on flight communications. The Globe and Mail (Toronto) (9/5)

## FAAの規則を待たず、オペレータは時間節約の新方式を取り入れている

### Airlines take the lead in exploring new technology

Rather than waiting for the FAA to mandate new equipment, some carriers -- Delta, Alaska Air and UPS -- are taking the initiative and deploying technology that helps them shave precious minutes off flight time. The New York Times (9/5)

## コラム:航空機整備の外注傾向に懸念

### Column: Outsourced maintenance a cause for concern

Third-party repair, overhaul and maintenance of commercial planes is a \$41 billion business that is growing at an annual rate of 5%. The FAA is struggling to keep up with the trend and fulfill its mandate of keeping passengers safe--a task made more difficult when maintenance operations are located overseas. The Street.com (9/5)

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2007年9月5日 0:51      AIA dailyLead      September 4, 2007

## ボーイング 787 初飛行 10月にズレ込む

### Dreamliner's first flight may slip into late October

The Seattle Times has learned that Boeing will likely announce that the 787 Dreamliner's first flight will be significantly delayed. A Boeing spokeswoman said "the target date could well move into the fall as we proceed through the complex work of final assembly, systems integration and structural testing." She added, "There is an immense amount that must come together during the upcoming weeks." The Seattle Times (9/1)

## 航空管制の新システム開発が始動

### Work to begin on new air traffic control system:

A team led by ITT has been awarded a \$1.8 billion contract to begin work on the Automatic Dependent Surveillance-Broadcast, the primary component of NextGen and the start of a "wide ranging transformation of the entire national air transportation system," according to the FAA. Travel Weekly (free registration) (8/31)

## 欧州環境保護グループが航空産業に対するより強硬な税金追加を含む報告書提出

### EU climate group recommends tighter controls on aviation

Environmental group Friends of the Earth has commissioned a report that recommends more taxes on the aviation industry as a way to encourage fuel efficiency and cut carbon emissions. Suggestions include a fuel tax and a value-added tax on passenger tickets. Dow Jones Newswires (9/3)

## パイロットへ直接警告を発信するシステム開発(ハネウェル)

### Warning system speaks directly to pilots

An experimental warning system would warn pilots directly when there is a danger of runway incursions. The system, a collaboration of Honeywell and Sensis, was demonstrated at Syracuse Hancock International Airport in upstate New York. Company officials say they hope to bring a certified version of the warning system to market in two years. Chicago Tribune (free registration) (9/4)

## ヴァージン航空 ブランソン会長 環境の点からも2発エンジン機に限定すると発言

### Virgin's Branson: Two-engine planes environmentally sound

Virgin Group boss Richard Branson says he will avoid buying four-engined planes in a bid to curb fuel costs and the environmental

impact of his company. "Global warming has become a priority, but it also makes good economic sense to be eco-friendly," Branson said. Reuters (9/3)

### ボーイング アジア地域での組立ては考えていないと

**Boeing has no plans to assemble planes in Asia, says exec**

FlightGlobal.com (9/4)

### ボーイング 787貨物型機は10-15年先になると

**Boeing says freighter version of 787 still 10-15 years away**

The Wall Street Journal/Dow Jones Newswires (9/4)

### エアバス アジアでの低価格エアラインの爆発的成長を予測

**Airbus predicts "explosive growth" of Asia's low-cost airlines**

Financial Times (9/4)

### 欧米から機材購入の道を閉ざされれば、イランはロシアから飛行機を買うしかない

**Unable to buy from U.S. or Europe, Iran gets planes from Russia**

The New York Times/Associated Press (9/3)

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2007年9月11日 0:05 AIA dailyLead September 10, 2007

**われわれ人間はいつも問題に囲まれていると、頭で考えがちである。**

哲学者・心理学者・教育改革者 ジョン・デューイ

**"We only think we are confronted with a problem."**

--John Dewey, philosopher, psychologist and educational reformer

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2007年9月8日 0:10 AIA dailyLead September 7, 2007

**怠け心とは、本当に疲れてもいないのに休みたくなる習性以外の何ものでもない。**

フランス作家 ジュール・ルノー

**"Laziness is nothing more than the habit of resting before you get tired."**

--Jules Renard, French author

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2007年9月7日 0:21 AIA dailyLead September 6, 2007

**苦労していくほどの価値あるところへは近道は無いもの。**

オペラ歌手 ビヴァリー・シルズ

**"There are no shortcuts to any place worth going."**

--Beverly Sills, opera singer

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2007年9月6日 0:18 AIA dailyLead September 5, 2007

**人には、賞賛されることを求めるのでなければ、その可能性にも行きたい所にも限界は無い。**

米国第40代大統領 ロナルド・リーガン

**"There's no limit to what a man can do or where he can go if he doesn't mind who gets the credit."**

--Ronald Reagan, fortieth U.S. president

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2007年9月5日 0:51 AIA dailyLead September 4, 2007

**仕事は楽しいか退屈かどっちかだ。すべては、貴方の態度にかかっている。**

サウスウエスト航空社長 コリーン C.バレット

**"Work is either fun or drudgery. It depends on your attitude."**

--Colleen C. Barrett, president and corporate secretary of Southwest Airlines

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**[新刊紹介] 宇宙セキュリティ アンケート分析結果 Space Security 2007, SSI2007**

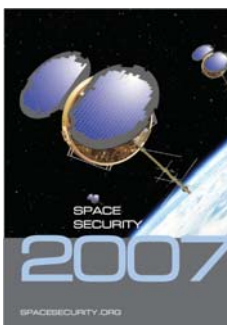
**DRC 玉真専任研究委員 所見:**

(1) つかみにくい宇宙安保を指標化し、衆知を集めて記述しようとの試みは貴重

(2) 前年版に比し、指標 1.(宇宙環境), 2.(法制・政策・ドクトリン), 5.(宇宙からの地上軍軍事作戦支援)の項目で安保減退感。特に2.で著しい。

推定理由: 中国対衛星兵器実験と意図の不透明性、米新宇宙政策の一方性 (2006年内の状況調査では'07.01は除外のはずだが影響)

(3) アンケート回答者数が漸減傾向。方法論も再検討要か。 今回(74人 12ヶ国), 前年(120人 25ヶ国), 前々年(136人 17ヶ国)



**[編注]** <http://www.space-library.com/> 5.3 宇宙政策関連 (1) 米国・全般 関連 からダウンロード可

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**Globalsecurity.com** <http://www.globalsecurity.org/space/index.html>

**National Security**

**Russia, US to continue missile defense talks** RIA Novosti 07 Sep 2007

**Bush, Putin to discuss US missile plans** RIA Novosti 04 Sep 2007 -- Pres. Bush & Putin are to discuss U.S. plans for anti-missile technology in Europe at an September 8-9 Asia-Pacific leaders' summit in Sydney

**International**

**Putin: Compromise With US on Anti-Missile System Still Possible** VOA 10 Sep 2007 -- Pres. Putin says he still hopes for a compromise agreement with the US on plans for an anti-missile defense system in eastern Europe.

**KEI First-Stage Rocket Motor Test Fire** ATK 10 Sep 2007

**Japanese Satellite Lost in Russian Rocket Explosion** VOA 06 Sep 2007 -- Kazakhstan has suspended launches of the Russian Proton rocket at the Baikonur Space Center following a failed liftoff and loss of the payload

**Lavrov: Russia, US & missile defense, CFE** RIA Novosti 06 Sep 2007

**Russia-US missile shield talks in Paris** RIA Novosti 06 Sep 2007 -- US & Russian diplomats will meet in Paris to discuss U.S. plans to deploy missile defense elements in Central Europe

**Russia calls on UN to keep space weapon free** RIA Novosti 06 Sep 2007

[Kazakh Probe Into Russian Rocket Crash RFE/RL](#) 06 Sep 2007 -- An unmanned Russian rocket crashed after blasting off from Baikonur

[Russian Proton-M rocket crashes on launch](#) RIA Novosti 06 Sep 2007 -- A Russian Proton-M booster rocket satellite exploded shortly after lift-off

[S. Korea Names Astronaut for First Voyage into Space](#) VOA 05 Sep 2007

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