
[Virtual Library] ホームページ<http://www.space-library.com> ミルスペースのアーカイブ, Virtual 書架 他

Cambridge Encyclopedia of Space (Chapter 6 'Access to Space')の後半を掲載

[新着] 新聞・書籍: AW&ST 0807, AW&ST 0814, Defense News 0814, 他

米国議会サポート資料: List 更新、U.S. Military Space Program (RS21148)更新

[寄贈] RESTEC より寄贈、感謝: RESTEC 57号 (平成 18年 7月)

[Reader's Voice] しばらく前のミルスペースでの、93年だったかの北朝鮮のノドンが、日本列島を飛び越えていたと言うお話。驚いて拝見しました。僕のつたない英語だと、そこまで明確に言えない気もするのですがいかがでしょうか・・・？お考えを教えてくださいましたら幸いです。お忙しいところ、まことに恐縮です。

[編集者]

ストーリーミングビデオでながれてくるプレゼも同じですが、

<http://www.ifpafletcherconference.com/pdf/panel2.pdf> から該

当部分を抜出すと、

Let me give you just **two examples** of things that were truly unknown unknowns that surprised the intelligence community and, therefore, the military community. First was in 1993, North Korea launched a **Nodong** missile. We knew it. We tracked it. We knew what we expected of that missile and its flight. Looked at the data, put it away, and moved on. Four years later, 1997, for a reason I don't recall, a Navy analyst was reviewing those data and instead of stopping the review at the first sign of losing track on that ballistic missile that day, that analyst had patience and looked through some more data. And, guess what? Our tracking sensors started to track something again. It turned out that nobody had anticipated the range that that missile could

have, and so when the sensors first dropped track, the analyst said, "That's as far as the missile went. We don't expect it to fly any further." **But, in fact, it turned out that that missile over flew Japan, flying further than we thought the missile capable of flying. It was a fairly embarrassing diplomatic incident when we went back to Japan** and said, "Remember that missile launched from North Korea four years ago? Well, Japan, that over flew your country."

It was a year after that realization that we had **another surprise**, August 31, 1998. **Again**, it was North Korea, this time launching a **Taepo Dong**.

大筋の話の流れとしては、日本を越えて飛んだのが 1993 Nodong (1997 精査で発見)、1998 Taepong という話になっているように読めます。また、追尾データが一端、追尾がはずれて、再追尾がおきたデータから判断されたと読めます。

イージス艦でとったデータ信憑性に疑念をもつということになれば、これは、先日の発射の分析にも関連してくるでしょうから、これは正しいという前提ですが。如何でしょうか？もともと、日本にとってはとんでもないことなので、職業柄、蒸返しをせず、目をつむっておきたい人が多いのではないのでしょうか？

2006.8 RESTEC 57号

口絵: 陸域観測技術衛星「だいち」(ALOS) パンクロマチック立体視センサ(PRISM)データによる立体視像 [編注] 赤青メガネが付録にありました!

[目次抜粋]

<研究解析報告>

陸域観測技術衛星だいち(ALOS)による 2006年 2月 17日 発生フィリ

ピン・レイテ島地すべり緊急観測

JAXA/EORC 台風データベース

衛星画像から見た東京湾三番瀬干潟と判読による情報抽出

Pi-SAR による不法投棄箇所の検出可能性に関する検討

<ALOS PD 活動状況>

ALOS データの提供について

<トピックス>

Aqua/AMSR-E および ALOS/PALSAR 画像

月・惑星リモートセンシングの新展開

<内外情報>

わが国の地球観測衛星・センサの状況

世界各国の地球観測プログラムに関する情報収集・分析

世界の地球観測衛星打上げ計画

GEOSS10年実施計画と GEO 2006年作業計画について

産業技術:

1. 胚幹細胞研究推進法案にブッシュ大統領が拒否権発動?大統領教書全文?(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-11.pdf?nem>

2. 広帯域太陽電池のバンドギャップ形成(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-12.pdf?nem>

3. 斬新なナノエッチング空洞がLEDの輝度を7倍高める(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-13.pdf?nem>

4. ナノチューブを加えて攪拌する時は最適な力で(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-14.pdf?nem>

5. 水のマイクロ容器を単一分子研究に利用(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-15.pdf?nem>

6. ナノ材料製造の新技术の実用化開発(英国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-16.pdf?nem>

7. シリコンバレーで進展するインフラ整備(米国)

<http://www.nedo.go.jp/kankobutsu/report/983/983-17.pdf?nem>

Aerospace Daily & Defense Report Aug 16, 2006

米陸軍のFCS(Future Combat System)プログラムはプラットフォームレベルのレビューのため準備

FCS completes major review, prepares for platform-level exams

The U.S. Army's Future Combat Systems (FCS) program has held its week-long initial preliminary design review (IPDR),

clearing the way for the platform-level PDRs that will begin . . .

ロッキードはC-130Jの決定を訴える、陸軍は空軍の承認を無視と述べる

Lockheed appeals C-130J decision, says Army ignores AF certification

Lockheed Martin is appealing the U.S. Army's decision to reject the C-130J as a potential competitor for the service's Joint

Cargo Aircraft (JCA) plane, saying the Army . . .

C-17には(生産停止の)執行猶予はないとDODは述べる

No reprieve for C-17, DOD says

A Pentagon reprieve for the C-17 production line appears to be anything but likely, according to Defense Department officials. . . .

BAEはMANPADS 対抗プログラムのフェイズIIIに関しDHS国土安全省の契約を受ける

BAE receives DHS contract for Phase III of counter-MANPADS program

COUNTER-MANPADS: BAE Systems has received its contract to enter Phase III of the Department of Homeland Security's

(DHS) program to protect commercial airliners from shoulder-fired heat-seeking missiles, . . .

防衛とIT貿易グループは取得委員会の作業を攻撃

Defense, IT trade groups attack acquisition panel's work

A coalition of trade associations in Washington has sounded an

alarm concerning an acquisition advisory panel's

recommendations to change federal contracting for commercial

products and services. . . .

LM ロッキードマーチンは無人の F-35 のコンセプトを再利用予定

LM waiting to dust off unmanned F-35 concept

Lockheed Martin says that following the completion of its contractual obligations on the F-35 Joint Strike Fighter (JSF)

development program, the company is ready to dust off . . .

予算の監視者は DOD のウェポン価格が上昇していることを警告

Budget watchers warn of growing DOD weapons costs

From September 2001 through last June, the Defense Department has seen an increase in the number of major

acquisitions programs, from 71 to 87, as well as . . .

テロの脅威と戦争が防衛関連企業の株を上昇させる

Terror threats, wars boost defense stocks

STOCK WATCH: MoneyandMarkets.com analyst John Burke said several defense-related stock prices are poised to move sharply

higher due to new terror threats on airlines, armed conflicts in . . .

Todd Pacific Shipyards 社は USS Ford の維持整備を実施予定

Todd Pacific Shipyards to perform maintenance on USS Ford

SHIP MAINTENANCE: Todd Pacific Shipyards Corp. said Aug. 15 that it has been awarded a \$4.6 million contract modification by

the U.S. Navy to perform alterations, repairs . . .

DOD はイラク-イランの国境を監視する

DOD monitors Iraq-Iran border

WATCHING BORDER: U.S. military forces are monitoring the border between Iraq and Iran to make sure no weapons, or

materials that can be used for weapons, are . . .

Aerospace Daily & Defense Report Aug 15, 2006

国防総省 SPG 戦略企画ガイダンスは予算に焦点を合わせる

Pentagon SPG sets budget focus

As the Defense Department prepares its 2008 spending plan for submission this month, the services are basing their investments

and cuts on the Pentagon's Strategic Planning Guidance . . .

航空機の EW 電子戦自己防護の必要性が増している、アナリストは述べる

Need for EW self-protection for aircraft growing, analyst says

The need for electronic warfare (EW)-based self-protection systems for aircraft is growing and will likely continue to do so

for the rest of the decade, an analyst . . .

インテルサットは第2四半期が\$42.7M の損失であったことを報告

Intelsat reports net loss of \$42.7M in 2nd quarter

Intelsat Ltd. reported revenue of \$310.5 million and a net loss of \$42.7 million for the second quarter of 2006, results that don't

reflect the company's acquisition . . .

Glast の計測器は統合される予定

Glast instruments to be integrated

GLAST INTEGRATION: General Dynamics C4 Systems of Scottsdale, Ariz., will soon begin integrating the two instruments

that make up NASA's Gamma-ray Large Area Space Telescope (Glast) into . . .

JASSM-ER プログラムは\$40M の削減をやめるように陳情

JASSM-ER program lobbies to stop \$40M cut

With a second successful flight-test under its belt, the Joint Air-to-Surface Standoff Missile Extended-Range (JASSM-ER)

program is lobbying Senate appropriators to try to stave off a potential . . .

NASA は 8 月 18 日に COTS 商業的軌道への輸送サービスの業者選定を行なう予定

NASA plans choice for COTS Aug. 18

NASA tentatively plans an Aug. 18 announcement of its choice of a pair of proposals to pursue its Commercial Orbital

Transportation Services (COTS) effort. . . .

日本は 9 月 22 日に Solar-B の打上げ予定

Japan set to launch Solar-B on Sept. 22

Japanese Aerospace Exploration Agency (JAXA) engineers are in final preparations at the Uchinoura Space Center near

Kagoshima for the planned Sept. 22 launch of the Japanese Solar-B . . .

Reiter 宇宙飛行士は欧州の宇宙滞在記録を更新

Reiter sets European space-endurance record

Thomas Reiter of Germany, the first European Space Agency astronaut to join a long-duration expedition on the International

Space Station, has set a new European space-endurance record. . . .

放送衛星と仏軍事衛星の軌道上テストが続いている

Tests under way on broadcast, French military satellites

Kourou, French Guiana – A vital French military communications satellite and financially important JSAT Corp. broadcast

spacecraft are undergoing in-orbit tests before being put into service following . . .

NASA は 2012 年の宇宙ラジエーション・ミッションに4大学を選ぶ

NASA picks four universities for 2012 space radiation mission

Four U.S. universities will share \$100 million in NASA funds to develop payloads for a planned 2012 NASA mission to study

near-Earth space radiation, an investigation that . . .

Harris 社は海軍に無線機器を提供予定

Harris Corp. to provide Navy with radio group

RADIO GROUP: Harris Corp. of Rochester, N.Y., has been

awarded a \$5.4 million delivery order to provide the U.S. Navy

Aerospace Daily & Defense Report Aug 14, 2006

米空軍は B-52 スタンドオフ・ジャマーに再着目

U.S. Air Force eyeing B-52 Stand-Off Jammer again

JAMMER REDUX: The U.S. Air Force is pursuing a plan to resurrect the B-52 stand-off jammer (SOJ) for the service's

electronic warfare (EW) needs, industry sources say. . . .

F-16 は規模縮小した AESA レーダとアドバンスド RWR(レーダ警戒レシーバ)を搭載することになろう

F-16s could get scaled-down AESA radars, advanced radar warning receivers

BARGAIN BASEMENT: As programmatic and financial weakness begins to show in the F-35 Joint Strike Fighter program,

aerospace company officials are beginning to look at how to . . .

米国の偵察衛星はイランとペルシャ湾をつぶさに見守る

U.S. Recon Sats Keep Close Watch On Iran, Persian Gulf

IRAN WATCH: U.S. intelligence agency analysts are using imagery from the eight or nine largest National Reconnaissance

Office imaging spacecraft to keep an especially close watch on . . .

海軍は遅れに関する海上用 RQ-4A の教訓をスタディ中

Navy studying maritime RQ-4A lessons on delays

GLOBAL HAWK LESSONS: Lessons learned from tests of the U.S. Navy's unmanned **RQ-4A** Global Hawk Maritime

Demonstration aircraft during the massive Rim of the Pacific (RIMPAC) naval . . .

英国は Cougar EOD 爆発物処理ビークル 86 台を発注

United Kingdom orders 86 Cougar EOD vehicles

UK COUGARS: The United Kingdom is buying 86 Cougar Explosive Ordnance Disposal (EOD) vehicles from Force

Protection Industries Inc. of Ladson, S.C., according to an Aug. 10 . . .

NASA Wallops は空軍の Minotaur I 打上げに選定された

NASA Wallops Picked For Air Force Minotaur I Launches

VANDENBERG EAST: U.S. Air Force space planners have picked NASA's Wallops Flight Facility on Virginia's Atlantic coast to

launch the upcoming **TacSat 2** satellite mission for the . . .

海軍は無人サーフェス・ビークルのブリーフィングを主催

Navy to host briefing on unmanned surface vehicles

UNMANNED BOATS: The U.S. Navy will host an industry briefing Aug. 24 in Arlington, Va., on efforts to develop and deploy

unmanned surface vehicles (USVs), a major . . .

ATK は Apache の武装の改修契約で\$38M を得る

ATK receives \$38 million order for Apache ammo

APACHE AMMO: Alliant Techsystems (ATK) has received a \$38 million contract modification from the U.S. Army Joint Munitions

Command at Rock Island, Ill., to produce lightweight 30mm . .

米空軍は反乱とテロに対抗する能力を強化することを目指す

USAF looks to beef up capability against insurgents and terrorists

The U.S. Air Force has launched an initiative to look at developing or modifying its fleet structure to better fight

insurgencies and terrorist operations. . . .

NASA は TPS 熱防護システム修理の認定受けるということはない、Hale は述べる

NASA unlikely ever to have 'certified' TPS repair, Hale says

Despite experimenting with a variety of techniques, NASA is unlikely ever to develop a truly "certified" method for repairing

the space shuttle's thermal protection system (TPS) in . . .

陸軍の宇宙組織も TACSAT と即応打上げロケットに着目している

Army space units also looking to TACSATs, responsive space

Tactical satellites and responsive space platforms lead the future needs list for Army space troops, said U.S. Army Col. Tim Coffin,

commander of the service's 1st Space . . .

レイセオンは NORTHCOM が ROTHER 移動型オーバ・ザ・ホライゾン・レーダの作業でうまくいくように期待

Raytheon hopes for NORTHCOM success with ROTHHR effort

Raytheon Co. still is hopeful the Defense Department will pursue some kind of national coastal surveillance system for homeland

missile defense using its Relocatable Over-the-Horizon Radar (ROTHR), . . .

スペースシャトルは 12 月に夜間飛行を回復できることを目指している

Space shuttle looking to resume night flights in December

Following the space shuttle's next flight, STS-115, NASA hopes to free the orbiter from its current daylight-only launch

restriction, instituted after the Columbia accident to allow clear . . .

宇宙科学のパイオニア ジェームズ・ヴァン・アレン 91 歳で死去

Space Science Pioneer James Van Allen Dead At 91

VAN ALLEN: James A. Van Allen, the Iowa physicist who discovered the radiation belts around Earth that bear his name

during the first U.S. orbital space mission . . .

Aerospace Daily & Defense Report Aug 11, 2006

ボーイングは C-17 の製造ラインの停止をサプライヤに間もなく通知する

Boeing ready to notify suppliers of C-17 line halt

Absent some type of commitment within about a week from the U.S. Air Force or another foreign air service for the purchase of

10 C-17 aircraft worth . . .

NORAD, NORTHCOM, 米軍に関してアラート・レベルの変更なし

No alert level change for NORAD, NORTHCOM, U.S. forces

COLORADO SPRINGS, Colo. – A foiled terrorist plot to blow up nine U.S.-bound flights from four airlines as they flew over the

Atlantic Ocean from London prompted . . .

Navair 海軍航空システム・コマンドは 9 月 14 日に飛行訓練のインダストリーデーを開催予定

Navair holding industry day for flight training Sept. 14

FLIGHT TRAINING: The U.S. Naval Air Systems Command is hosting a Naval Undergraduate Flight Training Systems Industry

Day on Sept. 14 at the Southern Maryland Higher Education . . .

月末までに E-10 のレーダの予算が削減になる可能性

E-10 radar faces possible funding cut by month's end

While Northrop Grumman awaits the U.S. Air Force decision on whether to keep its advanced E-10 radar and put it on the E-8

Joint Surveillance Target Attack . . .

競合企業チームが NATO のミサイル防衛の統合作業に入札参加

Teams submit bids for NATO missile defense integration work

Competing industry teams have submitted their proposals for NATO's missile defense Systems Engineering and Integration

(SE&I) program, in anticipation of a contract award in mid- to late

海軍の老朽化航空機部品の作業は小企業に依存

Navy's aging aircraft parts effort relies on small shops

SMALL BIZ: At least 30 percent of the U.S. Navy Aging Aircraft team's business of seeking increasingly obsolete replacement

parts goes to small businesses, a level well . . .

ロシアの委員会は宇宙旅行家 Simonyi の来るべき飛行を承認

Russian board clears space tourist Simonyi for eventual flight

GOOD HEALTH: Prospective space tourist Charles Simonyi has passed Russian medical reviews in preparation for an eventual

flight to the International Space Station (ISS), Space Adventures announced . . .

Falcon 小型打上げロケットチームは第三回テストを進める

Falcon Small Launch Vehicle team promotes third test

The U.S. Air Force, the Defense Advanced Research Projects Agency (DARPA) and AirLaunch LLC said Aug. 10 that they

successfully dropped a full-scale simulated 72,000-pound rocket from . . .

米沿岸警備隊はレスキュー21 をメキシコ湾岸の州で発足

Coast Guard's Rescue 21 inaugurated in Gulf Coast

The U.S. Coast Guard announced Aug. 10 that it has officially accepted the new Rescue 21 command, control and

communications system along the Alabama, Mississippi and Florida . . .

平成 15 年度～平成 17 年度成果報告書 「次世代衛星基盤技術開発

衛星搭載用リチウムイオンバッテリー要素技術開発」



平成15年度に開始された「衛星搭載用リチウムイオンバッテリー要素技術開発」について、平成19年度までの5ヵ年計画の内、平成17年度までの成果につき報告。

【1. 衛星搭載用リチウムイオンバッテリー要素技術】:本研究開発のリチウムイオンバッテリーは、準天頂衛星(QZS)を含む次世代衛星をターゲットとしている。開発目的は SERVIS-1(実証衛星1号機)で実験機器として搭載されたりチウムイオンバッテリー(50Ah)の3倍以上の大容量・高エネルギー密度・長寿命の、世界最高水準バッテリーを開発することである。(目標)＜中間目標:バッテリーセル＞・エネルギー密度:170Wh/kg 以上・容量:175Ah 以上＜最終目標:バッテリーアセンブリ＞・エネルギー密度:120Wh/kg 以上・電力容量:30kWh 以上・重量:250kg 以下・寿命:15 年以上。開発は順調に進み、平成16年度までにバッテリーセルの上記中間目標をクリア。また、バッテリー信頼性向上のため過電圧保護回路はハイブリッドIC化され、打上げ振動環境や軌道上での熱真空環境を模擬する認定試験まで終了。同じく信頼性向上部品である、バッテリーセル単体の故障分離を行うバイパススイッチも認定試験を終了。上記バッテリーセル、過電圧保護回路、バイパススイッチを組み込んだバッテリーアセンブリ(LIBA)は、衛星電力要求に応じ10セルから24セルまで容易に対応できるような構造としており、広範囲のユーザ要求を満たすことが可となる。LIBA 認定試験終了後、衛星搭載時や輸送時に誤ってLIBA を落下させても問題ないことを確認する LIBA 安全性試験を実施し、安全であることを確認。また、バッテリー寿命目標15年を評価・解析するための LIBA 寿命試験を開始。同試験は平成19年度まで継続予定。平成18年度は衛星搭載検証モデルの製作・試験を開始する予定。

【2. 基盤技術調査研究】:リチウムイオン電池高信頼性化、長寿命化、安全性確保を目指し、固体リチウム電池開発に必要な電極とガラス電解質との界面制御技術のフィジビリティスタディを実施するため、固体電池に適した高性能正極・負極材料を選択し、これらの薄膜電極を作製し薄膜電極とガラス電解質の界面反応の抵抗を低減し、安定化するための制御手法を見出した。また、これらの知見をもとに、積層型固体電池を簡便に形成する手法を見出した。

【3. 研究開発項目に係る QZS システム運用構想及び適合性等の検討】:本研究開発の衛星搭載用リチウムイオンバッテリーと QZS システムとの適合性を図るため、QZS に於けるバッテリー運用条件の検討を行い、衛星とバッテリーのインターフェース管理仕様書(案)を作成した。リチウムイオンバッテリーアセンブリ開発モデル及び認定モデル試験結果から、QZS と本研究開発のバッテリーの適合性が確認された。

Title: Development of Fundamental Technologies for Next-Generation Spacecraft (Technological Development of Lithium Ion Battery Elements for Spacecraft) (FY2003 through FY2005), FY2005 Report: 【1. Development of the Space Use Li-Ion Battery system (LIBS)】: LIBS development project has been started since JFY2003 for the Quasi-Zenith Satellite System (QZSS) and for the future advanced large space systems. The main objectives of the development are to realize the 175Ah capacity of Li-Ion battery cell and the energy density of 120Wh/kg battery assembly. Final target of the project is to manufacture and to complete the qualification test of the Li-Ion battery system with high capacity cells mentioned above with increased reliabilities, and to establish the specification, and the manufacturing and test processes. The results of the development work in the year of 2005 as the continuation from the year 2003 are as follows. (1) Development of the LIBS: The capacity of developed Li-Ion battery cell is 175Ah and is the largest cell for space application. The required life of the system is set to be 15 years with maximum DOD of 60%, and the energy density of Li-Ion Battery Assembly (LIBA) is requested to be more than 120Wh/kg. The energy density of the battery assembly is also largest for space application. Battery Control Module (BCM) is included in the development to realize the optimum operation of LIBA. The LIBS design including BCM has been completed based on the cells and LIBA manufacturing and test results. (2) Development of the LIBA: LIBA Engineering Model (18 cell) was developed and manufactured. The development test was completed successfully. Qualification model for 12 to 24 cell Modules were designed to accommodate various spacecraft needs. After manufacturing the qualification model, qualification Test has been performed and confirmed to endure the launch and on-orbit space environment. The energy density target of the 170Wh/kg has been cleared. (3) Qualification Test of the Li-Ion 175Ah cell: The qualification test of the cells have been completed and confirmed that the cells would withstand the launch and on-orbit space environment. The capacity target of the 175Ah was cleared.

【2. Application Study of Li-Ion Battery for QZSS】: To clarify the compatibility between the Lithium Ion Battery System (LIBS) and the QZSS, the Interface Control Document (ICD) has been drafted. Evaluating the interface specification and the development results of the engineering model of LIBA and the qualification model, the compatibility of the LIBS and QZSS has been confirmed.

【4. 次世代衛星技術等の調査・検討】:本研究開発の衛星搭載用リチウムイオンバッテリー要素技術に関し、次世代衛星システム、航空機、自動車等に係る実用化動向及び技術動向の進捗確認等を実施し、航空機、自動車を初めとする他産業の類似技術の適用例及びその性能等について調査を行った。

【3. Researches for the cell basic technology】: To improve the reliability, lifetime, and safety of conventional Lithium-Ion battery cells, fundamental data, which are the important guideline to develop highly functional solid-state battery system, have been obtained.
【4. The research and survey of LIBS and cells】: Survey works for the technical trend and the market of the Li-Io

2006年8月11日 7:38 【CNET Japan 2006年08月11日】

批評家とエンジニアが予測する2045年の世界 -- プロジェクト「ギートステイト」

<http://japan.cnet.com/svc/nlt2?id=20187028>

ロボットカー開発者に聞く--人工知能と消費者向けロボットの未来

<http://japan.cnet.com/svc/nlt2?id=20196927>

ビックカメラが上場 初値は20万8000円

<http://japan.cnet.com/svc/nlt2?id=20197227>

写真の手ブレを補正する新技術、MITとトロント大学が開発

<http://japan.cnet.com/svc/nlt2?id=20197687>

2006年8月10日 7:39 【CNET Japan 2006年08月10日】

LeopardとVista、先に出るのはどっち？アップルWWDC基調講演の余波

<http://japan.cnet.com/svc/nlt2?id=20195807>

携帯電話各社、番号ポータビリティを10月24日に開始--KDDIが料金を明らかに

<http://japan.cnet.com/svc/nlt2?id=20196748>

・スプリント・ネクステル、WiMAX技術を使った4Gネットワークを構築へ

<http://japan.cnet.com/svc/nlt2?id=20196127>

グーグル、カリフォルニア大学が蔵書のデジタル化で合意

<http://japan.cnet.com/svc/nlt2?id=20196707>

日立、GaMnAs単一電子トランジスタで電気抵抗が100倍超変化する磁気抵抗効果を確認

<http://japan.cnet.com/svc/nlt2?id=20196347>

Aug. 10, 2006 Space Observer 記事全体は <http://www.space-library.com/> の5.1項 航空宇宙関連 新聞、雑誌 からダウンロード可

朝鮮半島危機の間、ミサイル防衛システムは実稼動

Missile Defense System goes operational during Korean crisis

By Maj. Laura Kenney 100th Missile Defense Brigade

The 100th Missile Defense Brigade (Groundbased Midcourse Defense) headquartered in Colorado Springs was brought to operational level by U.S. Northern Command in response to the recent Korean missile crisis.

With interceptors located in Alaska and California, the unit, which had previously been maintained in test mode, was moved for the first time to operational status. Composed of full-time Colorado National Guardsmen and a contingent of active Army Soldiers in Colorado, and manned exclusively by active Alaska National Guardsmen in Alaska, the 100th MDB remained at high alert

status for the duration of the crisis.

The crisis culminated in North Korea's multiple test launches July 4. It was determined quickly that none posed a threat to the United States or its territories. All seven missiles (six July 4, one early the next morning) landed in the Sea of Japan. The long-range Taepodong-2 failed in the early stages of its launch. (後略)



Photo by Carol Floyd

Spc. Russell Smith mans the Ground-based Midcourse Defense consoles at the GMD Training and Exercise Center in Colorado Springs. The 100th

Missile Defense Brigade remained at high alert status for the duration of the recent Korean missile crisis.

Aug. 10, 2006 Satellite Flyer

記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

AFSPC の Chilton 司令官はコマンドの方向性についての展望を披露

AFSPC commander shares views on command's direction

1st Lt. Angela Webb 30th Space Wing Public Affairs

VANDENBERG AIR FORCE BASE, Calif. — Gen. Kevin Chilton, commander of Air Force Space Command, addressed recapitalization and its tie to the issue of force shaping during a visit here July 21.

Referring to Air Force weapons systems, General Chilton said, “Recapitalization is just a word that means something is too old and needs to be replaced.” Many aircraft in the Air Force inventory were bought in the early 1960s and will still be flying for another 40 years or more. The same challenges exist with aging systems in space command.

“In terms of a car, how would you feel about driving an 80-year-old car; finding parts and providing maintenance on it? It’s time to update and renew our systems,” he said. “The need

Gen. Kevin Chilton, commander of Air Force Space Command, meets with Company Grade Officers during a CGO Council luncheon at Vandenberg

for new equipment has led to downsizing the force,” the general added. “So, force shaping will affect people of all ranks.” (後略)



photo by SSgt Samuel Bendet

Air Force Base, Calif., July 20. Discussion topics included recapitalization and force shaping.

- * Talking Points:**
- **Recapitalizing means replacing systems that are out-of-date.**
 - **The Air Force must reshape its force to recapitalize and keep its technological edge.**
 - **AFSPC team members must be space professionals who are integrated into winning the Global War on Terrorism.**

Aug. 10, 2006 Satellite Flyer 記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

コンバット FLEX はミッション有効性をとぎすませ向上させる

'Combat FLEX' to sharpen mission effectiveness

Staff Sgt. Don Branum 50th Space Wing Public Affairs

Improving combat effects to the war fighter is the focus of a new system of 50th Operations Group exercises. Operation Combat Forward Learning Exercises, or Combat FLEX, will sharpen 50th OG's combat edge and improve the 50th Space Wing's ability to support the joint war fighter, wrote Col. Clint Crosier, 50th OG commander, in new program's Implementation Directive.

"Operation Combat FLEX ruthlessly focuses on the total force—operations, communications, engineers and orbital analysts—necessary to achieve mission accomplishment," Colonel Crosier wrote. "These exercises will test our ability to act as a coherent team and allow us to effectively close the seams between the group's organizations." One of Combat FLEX's principal goals is

Operation Combat Forward Learning Exercises, or Combat FLEX, will test satellite crews' ability to communicate with crews in other 50th Operations Group squadrons to provide improved

to stimulate (後略)



photo by Staff Sgt. Don Branum

combat effects to the war fighter. Here, Airman 1st Class Priscilla Nalley, 2nd Space Operations Squadron, helps conduct a Global Positioning System satellite support.

Aug. 10, 2006 Satellite Flyer 記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

宇宙は前線の兵士に見えない力を与える

Space brings invisible power to deployed war fighters

Staff Sgt. Don Branum 50th Space Wing Public Affairs

When space professionals deploy, they learn how to better provide combat effects, and war fighters overseas learn more about the invisible power space brings to the fight.

"We need to understand how our systems have an impact on war fighters around the world. That understanding allows us to better deliver combat effects from space," said Lt. Col. John Shaw, 4th

Space Operations Squadron commander here.

Staff Sgt. Tina Miller, a radio communications craftsman with 4th SOPS, recently returned from a joint deployment to Djibouti, which borders Somalia in Northeast Africa. Sergeant Miller worked as part of the joint task force's Command, Control, Communications and Computers Directorate. (後略)

Aug. 11, 2006 Northern Light 記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

PACAF は F-22 Raptor 初号機を公開

PACAF unveils first F-22 Raptor

by Senior Master Sgt. Deborah VanNierop Pacific Air Forces Public Affairs

MARIETTA, Ga. — Pacific Air Forces' officials got a glimpse into the future of fighter capability during a tail flash ceremony at the Lockheed Plant in Marietta, Ga., Aug. 3 in which PACAF's first F-22 Raptor was unveiled.

The aircraft, which is still under construction, will be the first of 36 F-22s assigned to Elmendorf Air Force Base, Alaska, beginning next year. The base will become home to two active-duty F-22 squadrons as well as a reserve associate

squadron.

PACAF officials said that with the unveiling, the command is one step closer to ushering in a new era in fighter capability. "I'm excited about getting this incredible (後略)



Photo by John Rossino

【編注】 受領予定の製造中の F-22 機体内部にサインをするなどというのは面白いですね！

Gen. Paul Hester, Pacific Air Forces commander, signs the tail section of an F-22 Raptor being assigned to PACAF during an unveiling ceremony Aug. 3 at the Lockheed Plant in Marietta, Ga.

The aircraft, which is still under construction, will be the first of 36 F-22s assigned to Elmendorf Air Force Base, Alaska, beginning next year.

06.08.11 Astro News

記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

SMC スペース&ミサイル・コマンドは C-17A 輸送機による落下で新しい記録をつつた

SMC Test Wing sets new record with C-17A drop

Dale Shell SMC Space Development and Test Wing /// Livingston Holder AirLaunch Limited Liability Corporation ///

JoAdail Stephenson SMC Public Affairs /// Candrea Thomas SMC Public Affairs

A government and industry test team broke their own record in late July by releasing a full-scale simulated 72,000-pound rocket from an unmodified C-17A aircraft at the operational launch altitude of 32,000 feet and an air speed of 200 knots.

This feat marked the largest single object to be dropped from that particular type of aircraft since June, when a 65,000-pound simulated rocket was released in a similar test.

The tests were conducted as part of the **Falcon Small Launch Vehicle Program**. Members of the test team were comprised from the Air Force Space and Missile Systems Center's Space Development and Test Wing (formerly SMC Detachment 12), the Air Force Flight Test Center, the U.S. Defense Advanced

AirLaunch Drop Test Article is released from an altitude of 32,000 feet from a C-17A, marking it the largest single object dropped from the aircraft. (Insert) The simulated rocket is being

Research Projects Agency and AirLaunch Limited Liability Corporation.

The combined government and industry team worked (後略)

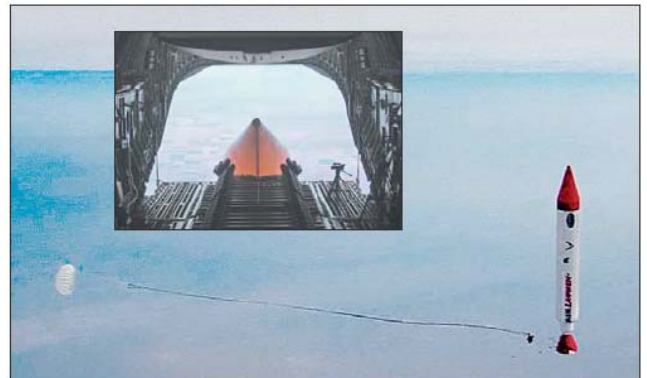


Photo by Jim Shryne

released from the fuselage of the C-17A. The photo is taken from an onboard camera inside the aircraft.

06.08.11 Astro News

記事全体は <http://www.space-library.com/> の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

GPS 技術は単に軍事のみならず、民間ユーザにも益する

GPS technology not just for military, also benefits civilian users

LaTonya Lofton-Collins Global Positioning Systems Wing /// Tonya Racasner SMC Public Affairs /// Candrea Thomas SMC Public Affairs

You're stranded in the middle of Los Angeles. You can't get to where you need to be. You pull out your cell phone or log onto the navigation system in your car and voila... instant directions to your destination!

Since first launched in 1978, the Navstar Global Positioning System has been available for civilian application worldwide. There has been impressive growth in civil use, in surveying, construction, precision agriculture and geologic research of the

size and shape of the earth. GPS is not only critical for the warfighter but also to the international, civil and commercial communities in conducting day-to-day business within our global economy. GPS is used in many of today's modern conveniences such as banking systems, ATM machines, cell phones, pagers and satellite radio. It can also assist in locating lost animals and stolen cars.

GPS provides the highest quality of service to (後略)

2006.8 AIR FORCE Magazine Space Almanac 資料全体は<http://www.space-library.com/>の 5.1 項 航空宇宙関連 新聞、雑誌 からダウンロード可

US Satellites Placed in Orbit or Deep Space (As of Dec. 31, 2005)

Year	Mil	Civil	Total	Year	Mil	Civil	Total	Year	Mil	Civil	Total	Year	Mil	Civil	Total
1958	0	7	7	1970	23	8	31	1982	8	9	17	1994	18	19	37
1959	6	5	11	1971	26	18	44	1983	16	12	28	1995	15	24	39
1960	12	5	17	1972	18	14	32	1984	17	16	33	1996	16	24	40
1961	20	12	32	1973	14	10	24	1985	13	17	30	1997	10	82	92
1962	35	20	55	1974	11	8	19	1986	7	4	11	1998	7	90	97
1963	33	22	55	1975	12	16	28	1987	10	1	11	1999	8	74	82
1964	44	25	69	1976	17	12	29	1988	11	9	20	2000	12	40	52
1965	49	39	88	1977	14	6	20	1989	15	9	24	2001	8	24	32
1966	52	47	99	1978	16	17	33	1990	22	16	38	2002	2	25	27
1967	51	34	85	1979	10	7	17	1991	17	18	35	2003	11	12	23
1968	35	26	61	1980	12	4	16	1992	12	17	29	2004	5	12	17
1969	32	27	59	1981	7	10	17	1993	12	18	30	2005	6	13	19
												Total	827	984	1,811

2006.8.10 Aerospace Daily & Defense Report



ROVER 受信端末は空からのビデオを流す

ROVER streams video from sky

A laptop with cables, wires and antennas that can capture video from unmanned aerial vehicles and other aircraft was recently demonstrated at the U.S. Air Force Academy, Colo.

The **Remote Operated Video Enhanced Receiver (ROVER)** streamed real-time video from cameras aboard a small Raven UAV, the Air Force said. **ROVER** uses Global Positioning System

technology to describe targets and coordinate attacks in just seconds rather than minutes. Other aircraft that can be used with **ROVER** include the Predator UAV, fighters carrying Sniper targeting pods, and C-130s equipped with a Scathe View imaging system, the service said. (後略)

06.07 ISAS News

ロケット・衛星関係の作業スケジュール（7月・8月）



ISASニュース No.304 2006.7 7

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

TerreStar は Loral に衛星を発注

TerreStar Orders Satellite From Loral

WASHINGTON — TerreStar Networks of Reston, Va., has ordered a second large geostationary mobile communications satellite from Space Systems/Loral, according to an Aug. 15

announcement by the satellite maker's parent company, Loral Space and Communications of New York.

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

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

ロッキードマーチン・無人システム技術は将来のニーズに準備ができています

August 15, 2006 **LOCKHEED MARTIN'S UNMANNED SYSTEMS TECHNOLOGY READY TO ADDRESS FUTURE NEEDS**

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=17827&rsbc=0&fti=111&ti=0&sc=400>



左 <http://www.compositesworld.com/news/cweekly/2006/July/cw110582>

左 <http://farnborough.janes.com/docs/farnborough2006/sections/daily/day3/skunk-works-unveils-secre.shtml>

右 <http://www.defensenews.com/farnborough/story.php?F=1966753>

右 <http://www.newscientisttech.com/article/dn9602-a-plane-you-can-print.html>

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

8/16/2006 # 350 **France in Space** <http://www.france-science.org/home/page.asp?target=nfo-let&PUBLID=9&LNG=us>

a weekly synthesis of French space activities based on French press, provided by the CNES office in Washington D.C..

Ariane 5 ECA は Syracuse 3B 軍事衛星を打上げ

- 1: **ARIANE 5 ECA LAUNCHES SYRACUSE 3B MILITARY SATELLITE**

EUMETSAT と NOAA は METOP の協力の可能性を協議

- 2: **EUMETSAT & NOAA DISCUSS METOP COOPERATION POSSIBILITIES**

政府内論争がガリレオ航法システムを混乱させている

- 3: **INTRAGOVERNMENT DISPUTE DISTURBS GALILEO NAVIGATION SYSTEM**

PLANCK 望遠鏡は低温真空試験を無事完了

- 4: **PLANCK TELESCOPE SUCCESSFULLY COMPLETES COLD VACUUM TESTING**

ESA 欧州宇宙機関はデジタル・データを保護するプロジェクトに参画する

- 5: **ESA TAKES PART IN PROJECT TO SAFEGUARD DIGITAL DATA**

- 1: **Ariane 5 ECA は Syracuse 3B 軍事衛星を打上げ**

- 1: **ARIANE 5 ECA LAUNCHES SYRACUSE 3B MILITARY SATELLITE**

Arianespace celebrated its third successful launch of the year on August 11th with the placement of two satellites, the French military satellite Syracuse 3B and the Japanese telecommunications satellite JCSAT-10, into geostationary transfer orbit. Syracuse 3B, built by Alcatel Alenia Space for the French Arms Procurement Agency, DGA, will complete the French military's Syracuse III system designed to deliver optimized communications services and guarantee a high level of data throughput and resistance to countermeasures. Syracuse 3B will be joining the Syracuse 3A satellite which was launched on October 13th, 2005, and is already fully subscribed. Both satellites are based on Alcatel Alenia Space's Spacebus platform, in a hardened version, and both feature state-of-the-art payloads operating in the SHF (Super High

Frequency) and EHF (Extremely High Frequency) bands. Thales, the French electronics company, will act as prime contractor for the Syracuse ground segment, while CNES will handle the positioning operations for the satellite, as it did in 2005 for Syracuse 3A.

The JCSAT-10 satellite is the sixth spacecraft to be launched by Arianespace for the Japanese telecommunications operator JSAT Corporation. The satellite was built by Lockheed Martin Commercial Space Systems and is fitted with 30 Ku-band transponders and 12 C-band transponders. It will deliver SKY PerfecTV direct-to-home services in Japan and communications services for Japan, the Asia-Pacific region and Hawaii. [Arianespace 08/11/06, CNES 08/11/06, La Tribune 08/11/06, Alcatel 08/14/06]

- 2: **EUMETSAT と NOAA は METOP の協力の可能性を協議**

- 2: **EUMETSAT & NOAA DISCUSS METOP COOPERATION POSSIBILITIES**

U.S. and European officials, from the National Oceanic and Atmospheric Administration (NOAA) and Eumetsat respectively, have opened discussions on future collaboration in the domain of weather satellites in the hopes of improving meteorological data. Greg Withee, Assistant Administrator for Satellites and Information Services at NOAA, recently traveled to Europe and met with Eumetsat officials, after which he stated that he was pleased by the current level of cooperation between Eumetsat and NOAA and also suggested several areas for future collaboration. Current cooperation between Eumetsat and NOAA includes U.S. instruments on board the Metop weather

satellites (the first of which will be launched in October 2006). One area of collaboration would be to place a space weather sensor currently aboard NOAA's polar fleet, and planned for the first two Metop satellites, on the Metop satellites that follow. Also under consideration is the addition of a new ground station to receive data from the Metop satellite. Currently, users have access to Metop data about every 100 minutes and adding an extra ground station in a region such as the Antarctic could cut that time by half, if not more. Eumetsat, made up of 20 member nations, reacted positively to NOAA's propositions and will study the possible additions of a more advanced imager for Metop, as

well as a space environment sensor. [Space News 08/14/06]

- 3: 政府内論争がガリレオ航法システムを混乱させている

- 3: INTRAGOVERNMENT DISPUTE DISTURBS GALILEO NAVIGATION SYSTEM

With a key financial deadline looming on the horizon it looks as though a dispute among departments in the British government may compromise the country's role in Galileo. ESA has agreed to pay half of the estimated 400 million euros in additional funding needed to complete the program's design and early development phase, including the launch of the first four Galileo satellites. The agency had asked its member states to commit to their pro rata shares of ESA's 200 million euros in additional investment by August 24th, 2006. Britain, however, has hesitated in committing to the 17% share it was given along with France, Germany and Italy in order to accommodate the four

nations which all wished to play a leading role in the program. There is confusion over which ministry will be responsible for paying Britain's Galileo contribution. The Department of Transport sees Galileo as a space program, while the Department of Trade and Industry, which funds the majority of Britain's space budget, considers Galileo as a transport program. The European Commission, who has partnered with ESA for the Galileo program, has designated its share of the responsibility to its transport ministers. No decision has yet been made but both ministries will be pressed to come to a decision in the coming days. [Space News 08/07/06]

- 4: PLANCK 望遠鏡は低温真空試験を無事完了

- 4: PLANCK TELESCOPE SUCCESSFULLY COMPLETES COLD VACUUM TESTING

ESA's Planck space telescope has completed testing in the Large Space Simulator (LSS) at ESA's research and technology center in Noordwijk, the Netherlands, where the instrument's performance was assessed in temperatures reaching -178 degrees Celsius. Once launched, Planck will be studying cosmic background radiation, considered the best evidence of the Big Bang Model which occurred over fourteen billion years ago. The telescope will make observations in the far-infrared spectrum, only achieved using super-cooled instruments, thus it is essential to test the instrument at extremely low temperatures. Given that the telescope is built at room temperature and then dramatically cooled down, scientists must ensure that the inevitable shrinking of each individual component does not affect

performance and results. In the coming weeks, ESA scientists will be interpreting Planck's results from the LSS to see if it functioned properly. Previously, Planck's mirrors had been tested individually at Alcatel's facilities in Cannes, France; the results met expectations. Alcatel Alenia Space is acting as prime contractor for the Planck telescope. Before being deemed "flight ready", the telescope will undergo vibration, acoustic, and high and low temperature testing, as well as a full analysis of the computers and communications equipment on board. If all the tests are successful then Planck will pass its "flight readiness review" at the end of 2007 for an eventual launch in 2008 aboard an Ariane 5 ECA from Kourou, French Guiana. [ESA 08/15/06]

- 5: ESA 欧州宇宙機関はデジタル・データを保護するプロジェクトに参画する

- 5: ESA TAKES PART IN PROJECT TO SAFEGUARD DIGITAL DATA

With the ever increasing amount of digital data and the rapidly changing technologies that sometime make systems incompatible, ESA has decided to join a European-Union backed project for the preservation of fragile digital information. The wide-ranging project, called CASPAR (Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval), will build an original framework to support the preservation of digital

information based on existing and emerging standards. The importance of this project is clear: digitally encoded information must be preserved so that it can still be understood and used in the future when software, systems and everyday knowledge has changed. A variety of users and types of digital information will be targeted by the CASPAR project, including science data such as ESA satellite information, cultural heritage information (e.g.

from UNESCO) and performing arts records (e.g. from the Institut National Audiovisuel, Groupe de Recherches Musicales, a French institution that fostered the development of electronic music). Protecting satellite data will ensure the continuity of datasets for the scientific community. The CASPAR project will include the development of key components and framework providing characterization, including representation information

and preservation description information, and virtual storage, using superior storage technologies and including sensitive query and browsing mechanisms. The project will pay special attention to issues such as standardization, authentication and digital rights management throughout its development. [ESA 08/14/06]

[AstroExpo.com](http://www.astroexpo.com) <http://www.astroexpo.com/News/TopNews.asp>

11-Aug-2006 [JDW, Jane's Defence Weekly](http://jdw.janes.com/public/jdw/index.shtml) <http://jdw.janes.com/public/jdw/index.shtml>

米空軍はロッキードとソフトの契約を結ぶ

US Air Force awards software contract

Lockheed Martin has won a USD9 million US Air Force contract for software, reports and demonstrations needed to implement

the World Infrastructure Security Environment programme....

2006年 8月 17日 [時事通信社「世界週報」 8月 29日号 \[目次抜粋\]](#)

<シリーズ>

今週の軍事情報／世界中が驚いたヒズボラの重武装(江畑 謙介)

日本と世界の安全保障／北朝鮮のミサイル発射と「事実」(潮 匡人)

日本の国益委員会レポート／海洋立国へ向けた海洋技術の再構築を(湯原哲夫)

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

[NEWS]

8/16 国際天文学連合が惑星の新定義案を発表 24日に採決(読,朝)

8/15 アポロ計画の磁気テープ原本が大量に行方不明(NASA,CNN,読,朝)

[予定]

8/21 宇宙法講演会,慶應大三田キャンパス,8/20 参加申込締切

宇宙航空研究開発機構 特別展

・8/20まで 特別展 II(航空分野),科学体験館サイエンス・サテライト,大阪

・8/18まで 特別展 I(宇宙開発),未来科学技術情報館,新宿

8/19 能代宇宙イベント,浅内鉱滓堆積場

8/18 応募締切:「空の日・宇宙の日」絵画コンクール,幼児-小学生>JAXA

[学会]

9/18-22 日本機械学会 2006年度年次大会,熊本大学

・9/18 市民フォーラム:モデルロケットの製作・コンテスト

・9/19 特別企画:我が国の衛星開発の最前線

・9/19 特別企画:多様化する宇宙へのアクセス

8/21-24 Colorado

- ・AIAA Guidance, Navigation, and Control Conference and Exhibit
- ・AIAA Modeling and Simulation Technologies Conference and Exhibit
- ・AIAA/AAS Astrodynamics Specialist Conference and Exhibit

8/18 申込締切:JSASS 西部支部講演会(2006),11/17,九州大学(伊都)

[TV]

8/19 1700-1745 サイエンスチャンネル (再)恒星探査船ダンテ

ディスカバリチャンネル

- ・8/19 1000-1100 宇宙 SFと現代テクノロジー2
- ・8/20 2300-0000,8/21 0600-0700,1100-1200 現代の巨大建造物:宇宙ステーション

8/18(8/17 深夜) 0000-0051 NHK 総合 宇宙へ・冷戦と二人の天才 (4)月面着陸

[etc.]

8/18 応募締切:第4回航空機による学生無重力実験コンテスト>JAXA

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

- 民間宇宙船の開発へ、NASAが米2社を選定(読売新聞) (19日 11時 44分)
- シャトル28日打上げ 宇宙ステーション建設再開(産経新聞) (17日 16時 31分)
- <スペースシャトル>アトランティス、28日に打上げ(毎日新聞) (17日 11時 18分)
- シャトルの27日打上げ決定、日本実験棟設置へ前進(読売新聞) (17日 10時 43分)
- 米シャトル、28日早朝に打上げ=国際ステーションの建設再開(時事通信) (17日 9時 0分)
- 月面着陸の磁気テープ原本、紛失か…NASA(読売新聞) (16日 14時 39分)
- 日の丸探査車の試作機公開、10年以内に月面活動(読売新聞) (14日 16時 38分)

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

- 「北、核実験を準備」米テレビ報道 世界の注視目的か(産経新聞) (18日 16時 18分)
- <北朝鮮>地下核実験を準備か 米ABCが報道(毎日新聞) (18日 11時 35分)
- 韓米が共同防衛体制「戦・平時作戦協調本部」創設へ(YONHAP NEWS) (18日 9時 11分)
- 北朝鮮、地下核実験準備か=北東部施設で不審な動き=米情報機関が察知・TV報道(時事通信) (18日 9時 0分)
- 北朝鮮が核実験を準備している可能性=米メディア(ロイター) (18日 7時 51分)
- 潘基文長官「在韓米軍の追加削減は決してない」(YONHAP NEWS) (17日 16時 4分)
- 在韓米軍「射撃場問題解決されなければ海外で訓練」(YONHAP NEWS) (17日 9時 5分)
- 韓国軍主導の戦時共同作戦計画作り、韓米が推進(YONHAP NEWS) (16日 17時 48分)
- 作戦統制権移譲で韓米は意見違えず、李駐米大使(YONHAP NEWS) (15日 14時 0分)
- <ギングリッチ前下院議長>「第三次世界大戦の様相」指摘 (毎日新聞) (14日 18時 37分)

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

- 北朝鮮、地下核実験準備で住民に疎開令…韓国紙報道(読売新聞) (19日 16時 3分)
- 北朝鮮、住民に疎開令=核実験前の準備か=韓国紙(時事通信) (19日 11時 0分)
- 北朝鮮が核実験実施すれば、脅威思い起こさせる=米大統領(ロイター) (19日 9時 26分)

- 額賀氏「情報収集続行し対応」 北の核実験報道で(産経新聞) (19日 8時 2分)
- 北朝鮮の脅威除去必要＝米大統領(時事通信) (19日 3時 0分)
- <米大統領>北朝鮮地下核実験準備「機密情報」と確認避ける(毎日新聞) (19日 1時 19分)
- 「北、核実験を準備」 米テレビ報道 世界の注視目的か(産経新聞) (18日 16時 18分)
- 北、核実験準備の情報…観測用ケーブル確認(読売新聞) (18日 13時 36分)
- 政府当局者「確認された核実験の動きはない」(YONHAP NEWS) (18日 13時 18分)
- <北朝鮮>地下核実験を準備か 米ABCが報道(毎日新聞) (18日 11時 35分)
- 北朝鮮が核実験を準備か、米 ABC ニュースが報じる(YONHAP NEWS) (18日 9時 50分)
- 北朝鮮のテロ支援阻止努力続ける、ホワイトハウス(YONHAP NEWS) (18日 9時 15分)
- 北朝鮮、地下核実験準備か＝北東部施設で不審な動き－米情報機関が察知・TV報道(時事通信) (18日 9時 0分)
- 北朝鮮が核実験を準備している可能性＝米メディア(ロイター) (18日 7時 51分)
- <パキスタン核実験>98年、北朝鮮と共同実施 韓国誌報道(毎日新聞) (18日 3時 4分)
- <レバノン情勢>米大統領、対テロ戦争の前線に位置づけ(毎日新聞) (15日 11時 10分)

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

8/14 「ニュース」更新

アジア・太平洋地域 安保環境の変化を追う /// 統合運用など詳述 /// 18年版「防衛白書」発表
 「3自の一体感醸成」 /// 斎藤統幕長が着任、抱負
 吉川海幕長が着任 /// 即応体制の維持要望
 「おうみ」「いなづま」が帰国 /// インド洋支援協力
 遠航部隊サンディエゴ入港
 額賀長官が初視察 /// 古河と硫黄島・父島・南鳥島
 空自 C-130 /// イラク訪問の麻生外相乗せ /// 初のバグダッド往復
 戦略研究フォーラム /// 北ミサイルで緊急政策提言 /// 策源地攻撃能力保有を
 「コープサンダー」終了、参加部隊帰国

[民間航空機関連 (ex-SJAC 三輪さん)]

2006年 8月 19日 0:07 AIA dailyLead August 18, 2006 -

ボーイング コネクション(機内通信)事業 撤退

Boeing plans to close Connexion business

Boeing plans to shut down its Connexion in-flight Internet business by the end of the year because a market for the service did not develop as it expected. The service is available on some long-haul flights operated by foreign carriers. The Wall Street Journal (subscription required) (8/18)

FAA GE 製エンジンについて 検査項目を強化(修理間の時間短縮)実施

FAA tightens inspection requirements for some GE engines

An engine failure in June has prompted the Federal Aviation Administration to tighten repair schedules for a family of General Electric engines. The directive mandates a 70% reduction in the interval between inspections and repairs of the oldest CF6-80 engines. In June,

an American Airlines engine failed on the ground at Los Angeles International Airport and started a fire that badly damaged the plane. The Wall Street Journal (subscription required) (8/18), Los Angeles Times (free registration) (8/18)

ノースウエスト乗員組合のスト権承認される

Judge declines to block possible Northwest strike

Northwest Airlines flight attendants have the right to strike, a federal bankruptcy judge ruled Thursday. The decision allows the flight attendants union to stage a labor action if it does not reach a contract agreement with the company by Aug. 25. Talks between the two sides are continuing. Bloomberg /ClipSyndicate (8/18), The New York Times (free registration) (8/17), The Washington Post (free registration) (8/17), USA TODAY (8/17)

空港小売業者やワイン販売店など、液体持込み規制に対応した新たなサービス開始

Retailers, wineries adjust to new travel restrictions

Airport retailers have shown creative responses to new travel restrictions, including replacing perfumes and liquids with toothpowder travel packs and Pepto-Bismol tablets. Meanwhile, several wineries have been tweaking their customer service practices by offering discounted shipping charges and providing travelers with free packing boxes. MSNBC /Newsweek (8/17), USA TODAY (8/17)

ユナイテッド航空 ダレス空港便を増加計画

United adds flights at Dulles

United Airlines says it will add 22 flights at Dulles International Airport, a move that will fill the gap created when Independence Air shut down. United in October will add flights to Kuwait, Japan and several U.S. cities. The Washington Post (free registration) (8/17)

2006年8月18日 0:34 AIA dailyLead August 17, 2006 -

ボーイング C-17 製造ライン閉鎖の第一段階開始

Boeing to take first steps in shutting down C-17 line, report says

Boeing will start notifying suppliers that it plans to shut down its C-17 cargo-plane program as early as Friday, according to media reports quoting unnamed sources. Boeing has enough orders to continue building the plane through 2008, but some of the parts must be ordered months ahead of time. It has been unable to secure new orders for the plane from the Department of Defense. The Wall Street Journal (subscription required) (8/17)

カイザーアルミ社 ボーイングと長期供給契約締結

Kaiser Aluminum lands Boeing contract

Kaiser Aluminum has received a new long-term contract to provide sheet and light-gauge aluminum plate to Boeing. The contract expands an existing agreement. Terms were not disclosed. American City Business Journals /Los Angeles (free registration) (8/16)

FAA の新方式が航空機遅延の改善ならびにコスト低減をもたらす

New FAA software may reduce delays, cut costs for airlines

The Federal Aviation Administration hopes the new Airspace Flow software helps cut flight delays and saves money. The program helps air traffic controllers work around severe weather in congested airspace. The new technology provides carriers with flexibility and gives them several options to complete flights. Government Computer News (8/17)

先週 未遂に終わったテロ計画後も、航空旅客は引き続き伸びている

Travelers continue to fly after foiled terror plot

Travelers are continuing to fly despite last week's news of a foiled terrorist plot, but flights in the U.K. are still being delayed and canceled. Analysts say travelers are getting used to the idea that terrorism is an ongoing threat. A recent survey found the plot prompted just 11% of travelers to change near-term plans. Meanwhile, U.K. authorities are considering making permanent new restrictions on what travelers may carry on airliners. TIME (8/16), Pittsburgh Post-Gazette (8/16), USA TODAY (8/16)

2006年8月17日 0:47 AIA dailyLead August 16, 2006 -

ロッキードはJSFの無人型を検討中

Lockheed considers unmanned version of JSF

Lockheed Martin hopes to build an unmanned version of the F-35 Joint Strike Fighter, a move that would make the plane the first full-scale fighter to fly without a pilot. The company says the plane could be manned for some missions and operated remotely for others. The company has not proposed the idea to the Air Force. Air Force officials could not be reached for comment. The Washington Post (free registration) (8/15)

ノースウエスト航空 メカニクス組合との交渉開始

Northwest, mechanics hold contract talks

Northwest Airlines and striking mechanics held their first contract talks of the year on Tuesday. The two sides did not reach an agreement or elaborate on what was discussed. The workers walked off the job nearly a year ago. Star Tribune (Minneapolis-St. Paul) (free registration) (8/15), St. Paul Pioneer Press (Minn.) (free registration) (8/16)

空港に増えるミツバチ(燃料の匂いに誘われるらしい)が航空便の遅れなど影響を与える

Bees take a break in airports, disrupting flights

Africanized honey bees resting in airport jetways, baggage-loading equipment and terminals are increasingly disrupting flights. The bees, which do not present a serious threat to planes, are attracted to the smell of jet fuel and the color yellow. Some airports have hired pest-control companies to remove bees. The Wall Street Journal (subscription required) (8/16)

ロス空港での遅れを引き起した事故原因を解決するとFAA宣言

FAA promises to fix glitch at Los Angeles airport

The Federal Aviation Administration says it will fix a glitch that has caused delays at Los Angeles International Airport. FAA officials deny charges of systemic maintenance problems at the airport and say they will keep a full-time technician at LAX to maintain the equipment. Los Angeles Times (free registration) (8/16)

航空会社の外国系オーナーシップに対する法案、大統領府は緩和遅らせる方向

White House delays foreign ownership plan

The White House will delay a plan to ease foreign ownership rules for U.S. airlines and continue discussing the issue with Congress. Earlier this year, the House and Senate voted to prevent a plan to ease laws limiting foreign ownership. San Francisco Chronicle /Associated Press (8/15)

2006年8月16日 1:36 AIA dailyLead August 15, 2006 -

ロッキード 米陸軍による貨物機への競争入札失格扱いは不当と抗議

Lockheed contests Army decision to disqualify cargo plane

Lockheed Martin is protesting the Army's decision to disqualify its cargo plane from a competition for a \$6 billion contract. Lockheed says the Army decision did not take into account Air Force requirements for the program, and the company is asking for postponement of the contract award. The Washington Post /Reuters (free registration) (8/14)

英国でのテロ未遂事件から6日目、依然航空便の遅延、キャンセル継続

Delays, cancellations continue for sixth day in U.K.

Flight delays and cancellations persisted at major airports in the U.K. on Tuesday. Airline officials are blaming airport owners for the delays and security problems. The head of British Airways says the airline may sue the owner of London's Heathrow Airport for compensation. Bloomberg /ClipSyndicate (8/15), CNN (8/15)

新型機設計にシミュレーション技術の貢献(ウィチタ州立大学)

Simulation helps engineers design new jets

Engineers at Wichita State University's National Institute of Aviation use computer-aided design to see how systems and parts in airplanes and other vehicles fit together and how crews can use them. The simulation technology also allows airplane customers to see what a completed plane will look like. The Wichita Eagle (Kan.) (8/15)

コラム:エアラインの遅れの場合でもプライベートジェットに乗換えが効くジェット・カードが急伸

Column: Sales of jet cards surge amid airline delays

The demand for time cards that allow a traveler to fly a certain model of jet by the hour surged during last week's flight disruptions, the New York Times' Joe Sharkey writes. Companies that offer the cards say their clients fly on commercial jets most of the time but use private jets for emergencies and special occasions. The New York Times (free registration) (8/15)

2006年8月15日 0:43 AIA dailyLead August 14, 2006 -

交通安全局(TSA) 機内持込制限は幾分緩和するも依然多くの乗客は預け荷物にする

TSA eases carry-on restrictions, more travelers check luggage

The Transportation Security Administration faces the challenge of balancing security and efficiency as it copes with terrorist threats. Airlines say operations are returning to normal but more travelers are checking luggage after a foiled terrorist plot spurred officials to prohibit travelers from taking liquids into aircraft cabins. The owner of London's Heathrow Airport says airlines will cut 20% of flights from the airport to cope with tougher security measures. Meanwhile, the U.S. has downgraded its terror alert level for flights between the U.S. and U.K. Bloomberg /ClipSyndicate (8/14), The Wall Street Journal /Dow Jones Newswires (subscription required) (8/13), The Washington Post (free registration) (8/14), MSNBC /Reuters (8/13), The Washington Post (free registration) (8/12), The Wall Street Journal (subscription required) (8/12), The New York Times /Associated Press (free registration) (8/13), Breaking Travel News (8/11), Reuters (8/14), Reuters (8/13), Air Transport World (8/14)

ヒースロー空港 テロ未遂事件後の検閲厳しさを増す

Heathrow owners scrutinized after terror plot

Some airline executives blame BAA, the company that owns Heathrow Airport, for delays related to security searches and baggage operations. Experts say the situation raises questions about private ownership of airports. BAA owns airports in Budapest and Naples in addition to seven in the U.K. The New York Times (free registration) (8/14)

ノースウェスト航空 乗員組合のスト延期の可能性

Northwest attendants delay possible strike

Northwest Airlines flight attendants will delay a possible strike by 10 days, until Aug. 25. The union representing the workers says workers need to focus on heightened airline security rules. The Seattle Times /Bloomberg (free registration) (8/11)

2006年8月12日 0:24 AIA dailyLead August 11, 2006 -

テロ未遂事件で、航空便の遅延、キャンセルが相次ぐ:搭乗検査の厳格化

Foiled terror plot delays, cancels flights; double screenings begin

Flights were delayed and cancelled Thursday after U.S. and U.K. officials said they had foiled terrorists' plans to blow up commercial jetliners using liquid explosives. Increased security requirements created long lines in airports all over the world and long waits for travelers. In Boston, National Guard troops were called up to patrol Logan International Airport. Travelers in the U.S. will go through two screenings to make sure they are not carrying liquids into planes.

ボーイング ロシアのチタニウム会社と合弁会社設立

Boeing secures joint venture with Russian titanium firm

Boeing has created a joint venture with Russian titanium company VSMPO-Avisma to produce titanium parts for Boeing's new 787 Dreamliner. Boeing says the agreement will increase efficiency and cut waste of the expensive metal. The company currently gets half of its titanium from VSMPO-Avisma. Bloomberg (8/11)

テロ事件未遂 エアラインの経営改善に水を注すおそれ

Failed terror plot could stall airlines' recovery

The failed terror plot uncovered Thursday could prompt some travelers to cancel travel plans and put the airlines' recovery at risk, some analysts say. Large U.S. carriers have spent millions building up international routes, and they hope heightened security reassures travelers. The Wall Street Journal (subscription required) (8/11), The Washington Post /Associated Press (free registration) (8/11), The Washington Post (free registration) (8/11), The Boston Globe (8/11), Pittsburgh Post-Gazette (8/10), Houston Chronicle (8/11), TIME (8/10)

セキュリティーチェックの厳格化でプライベートジェットへの仕事が増える可能性

Security concerns may boost business for private jets

Some business travelers have turned to private planes to avoid security lines and other inconveniences of commercial air travel. Higher levels of airport security over the next few weeks may prompt more corporate fliers to avoid large airports and fly in corporate jets, observers say. The Wall Street Journal (subscription required) (8/11)

2006年8月10日 23:54 AIA dailyLead August 10, 2006 -

テロ計画発覚後 米国は警戒レベルを上げる

U.S. raises threat level after terror plot is discovered

A terror plot uncovered in London pushed the U.S. government to raise its threat warning to the highest level for commercial flights from Britain to the U.S. early Thursday. The government also raised slightly the alert for all flights coming to and from the U.S. A U.S. official says authorities believe up to 50 people were involved in the plot to blow up airliners. Bloomberg /ClipSyndicate (8/10), Reuters (8/10), The Miami Herald /Associated Press (free registration) (8/10), The New York Times (free registration) (8/10), Reuters (8/10), The Washington Post (free registration) (8/10)

プラット&ホイットニーは 2008 年までに燃費向上型エンジンを開発推進

Pratt plans to launch fuel-efficient engine by 2008

Pratt & Whitney is developing a new aircraft engine designed to burn 12% less fuel, cost 15% less to operate and run cleaner and quieter than current models. The company hopes Boeing will buy the new engine to power the 737 replacement jet. The Seattle Times (free registration) (8/10)

ノースウェスト航空乗員組合スト権の決定遅れる

Judge delays ruling on Northwest flight attendants' strike rights

A bankruptcy judge Wednesday delayed a decision on whether Northwest Airlines flight attendants may strike, according to a union representative. The union says the judge may rule by Monday, the day before the union plans a strike, but the company has asked the judge to block it. The airline, which operates under bankruptcy protection, says a strike may force it to shut down. The Miami Herald /Associated Press (free registration) (8/9), Reuters (8/9)

デルタ航空 Q2 期経営状況 22 億ドル赤字

Delta reports \$2.21B Q2 loss

Delta Air Lines on Wednesday reported a second-quarter loss of \$2.21 billion. Excluding reorganization items, the company earned \$175 million, its first adjusted profit in almost six years. Delta executives say they are encouraged by stronger revenue trends. The Oregonian (Portland) /Associated Press (8/9), Reuters (8/9), The Cincinnati Enquirer (8/10)

2006 年 8 月 19 日 0:07 AIA dailyLead August 18, 2006 -

「友達でいつまでもいれる方法、それは大げさな事ではなくて、して欲しい事を率直に告げ、そのとおりにしてあげること。」

米国詩人・挿絵作家 シェル シルヴァーシュタイン

“I know a way to stay friends forever, There's really nothing to it, I tell you what to do, And you do it.”

--Shel Silverstein, American poet and illustrator

2006 年 8 月 18 日 0:34 AIA dailyLead August 17, 2006 -

「よいコーチの要件は？ それは何事にも専念徹底することである。」

米国フットボールコーチ兼選手 ジョージ ハラス

“What makes a good coach? Complete dedication.”

--George Halas, American football player and coach

2006 年 8 月 17 日 0:47 AIA dailyLead August 16, 2006 -

「人間生まれながらにバカなのだ。真面目なふりはしていても、バカに戻れるまでの束の間の姿なのだ。」

俳優 マイク マイヤーズ

“Silly is you in a natural state, and serious is something you have to do until you can get silly again.”

--Mike Myers, actor

2006 年 8 月 16 日 1:36 AIA dailyLead August 15, 2006 -

「文句は言わない、説明もしない。」

フォードモーター前 CEO 兼会長 ヘンリー フォード II

“Never complain, never explain.”

--Henry Ford II, Former CEO and chairman of Ford Motor Co.

2006年8月15日 0:43 AIA dailyLead August 14, 2006 -

「一日をどう過すか、それがまさに結果として、いかにその人が人生を過すかになる。」

米国作家ノーベル受賞者 アーニー ジラード

“How we spend our days is, of course, how we spend our lives.”

--Annie Dillard, American author and Nobel Prize recipient

2006年8月12日 0:24 AIA dailyLead August 11, 2006 -

「多くの人が 多音節語の方が知的レベルが高いことを示すと 考えている。」

米国ジャーナリスト バーバーラ ウォルター

“A great many people think that polysyllables are a sign of intelligence.”

--Barbara Walters, American journalist

2006年8月10日 23:54 AIA dailyLead August 10, 2006 -

「A は A を雇うが、B はまったく別の C を雇う。」 (本当の意味教えてください！)

米国国防長官 ドナルド ラムズフェルト

[編注] Rumsfeld なら A はアルカイダで、B はブッシュとして、敵は一体となって攻撃してくるが、我が方は、ばらばらなのだ、とでもなりますか？

“A's hire A's, B's hire C's.”

--Donald Rumsfeld, U.S. secretary of defense

[新刊紹介] 経済の進路 2006年8月号 No.533 (財)三菱経済研究所 MERI

年間購読料 1,638円(本体1,560円)送料720円

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微妙な局面を迎える米国景気

エスカレートする北朝鮮の瀬戸際外交

キーワード: デマンドプル型/コストプッシュ型、コーポレートガバナンス、ディスクロージャー、余剰金処分の自由化、資金調達手段の多様化、

活発化する海外鉱山開発

”租税国家”は復活するか

