

[Virtual Library] HP <http://www.space-library.com>

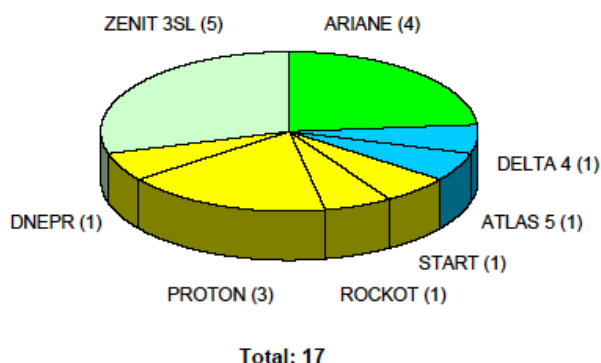
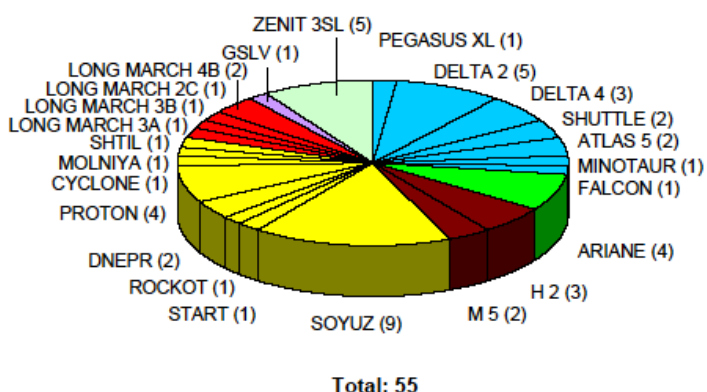
Defense News, Satellite Flyer, Space Guardian, AW&ST, AIRCLAIMS, Military Technology, Space Flight, Air Force Magazine, PE&RS, Boeing Frontiers, NASA STARS, ISAS News, JAXAs, NiCT NEWS アップデート

06.12 Futron

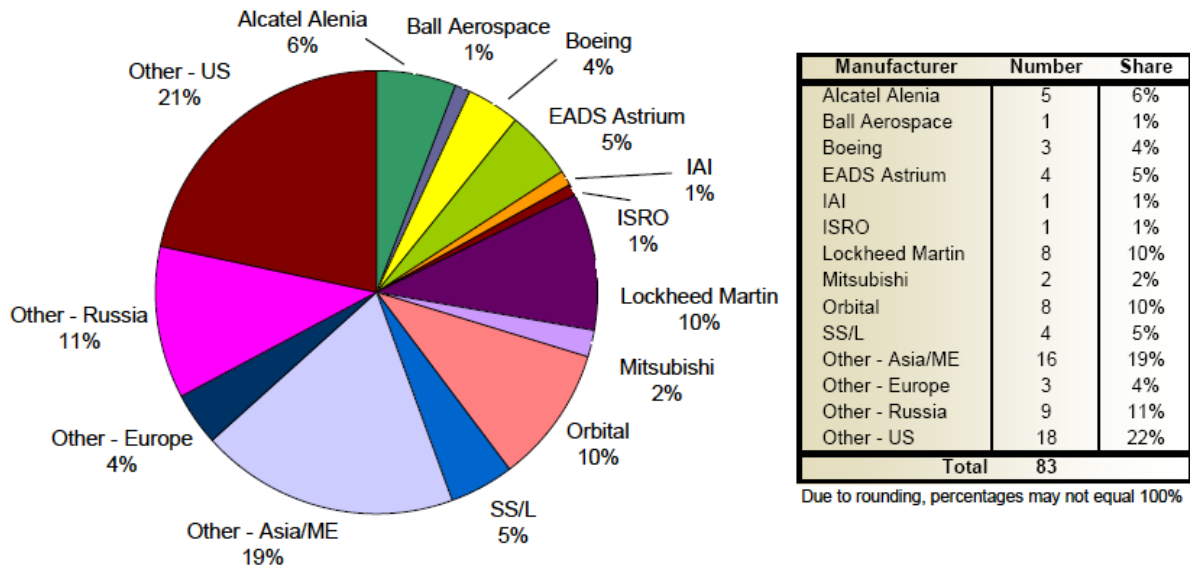
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
November 22 – January 4			22	23	24	25
			26	27	28	29
3	4	5	6	7 KSC STS 116 (ISS) Shuttle Discovery	8 Taiyuan Fengyun 2D (Meteor.) Long March	9 Kourou WildBlue 1 AMC 18 (Comm.) Ariane 5 ECA
10	11 Wallops TacSat 2 and Genesat (Dev.) Minotaur	12 Baikonur Measat 3 (Comm.) Proton M	13	14 CCAFS NRO L-21 (Military) Delta 2 7920	15	16 Tanegashima ETS 8 (Comm.) H 2A 204
17	18	19 Plesetsk SAR Lupe 1 (Military) Kosmos 3M	20	21 Baikonur Corot (Scientific) Soyuz 2 1B	22 Plesetsk Kosmos TBA (Military) Soyuz 2 1A	23
24	25 Baikonur Glonass K R4-R6 (Nav.) Proton M	26	27	28	29	30
31	1	2	3			

Legend: USA (Blue) Russia (Yellow) Japan (Brown) Europe (Green) Multinational (Light Green) China (Red) India (Purple)

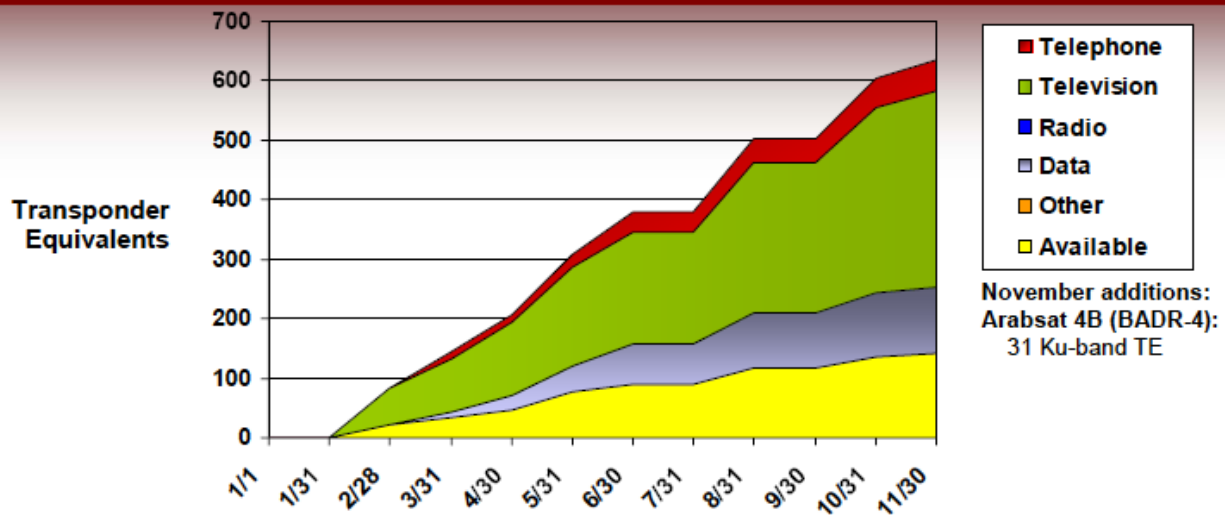
✓ Success ✗ Failure Ⓜ Partial Failure Ⓞ Commercial



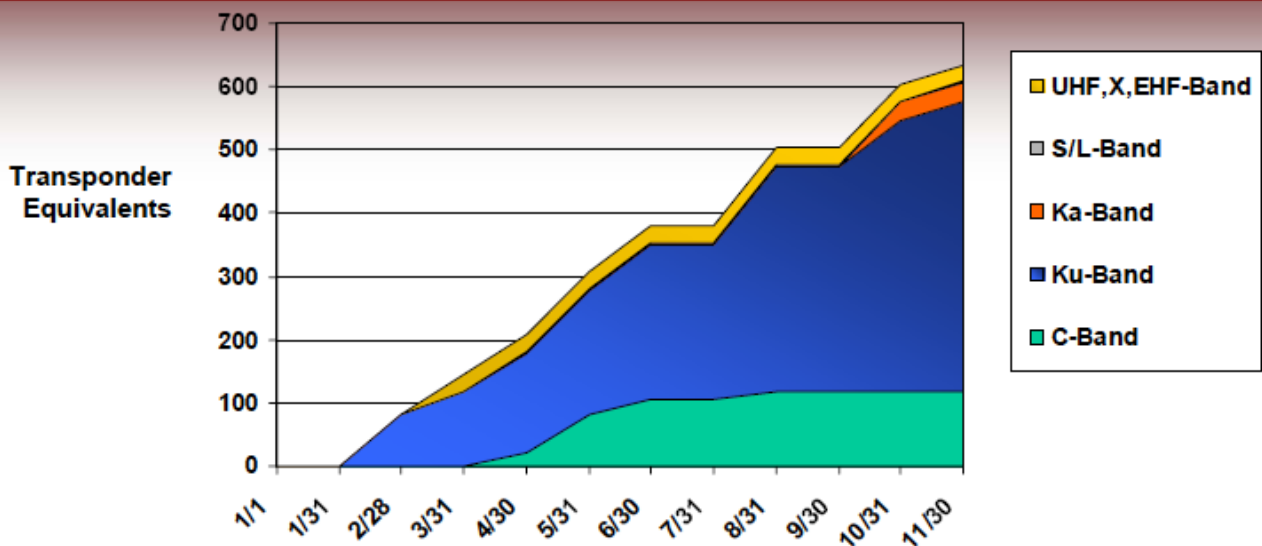
Manufacturer Market Share of Satellites Launched Through November 30, 2006



2006 Cumulative 36-MHz Transponder Equivalents Launched by Application



2006 Cumulative 36-MHz Transponder Equivalents Launched by Frequency



2006年12月11日 7:32 【CNET Japan 2006年12月11日】

「ノートPC用バッテリーはリチウムポリマーに」—米ソニー社長が予測

<http://japan.cnet.com/svc/nlt2?id=20338218>

FOMA「D902i」の電池パックに破裂のおそれ—約130万個を取り替え・回収

<http://japan.cnet.com/svc/nlt2?id=20338173>

HP、通話記録入手スキャンダルでカリフォルニア州と和解

<http://japan.cnet.com/svc/nlt2?id=20338131>

11月携帯契約 ドコモ初の純減 au 独り勝ち一段と鮮明に

<http://japan.cnet.com/svc/nlt2?id=20338093>

10代の電子メディア利用時間、週72時間—米調査

<http://japan.cnet.com/svc/nlt2?id=20338172>

2006年12月4日 22:15 DAILY NEDO[2006/12/04]

NEDO 成果報告書 75冊を技術情報データベースに追加

http://www.nedo.go.jp/database/newlist/new_list20061204.html

平成17年度成果報告書 **航空分野における新技術展開等に関する可能性調査** (株)三菱総研

本調査は航空分野における新技術展開に関し、以下の3技術分野を取上げている。**1. MEMS 2. 無人機 3. その他技術**
MEMS は、一般に急速に進歩した半導体微細加工技術等を用い、可動部品等の機械構造と電子回路を集積した微細デバイスと定義されているが、最近では機械・電子・光・化学の複合機能を一体化した微細なデバイス全般を指す場合もある。その応用分野は多岐にわたり、一般民生分野では自動車エアバッグ起動用半導体加速度センサやインクジェットプリンタのノズルなどに利用されている。今後は MEMS の高性能かつ省エネ性に優れた点を活用し、多様な機能を集積化した新分野への応用が期待され、航空分野もその一つとなる。航空分野での実用化例は少ないが、各種センサ、ジャイロ、RF などへの応用が期待され、着実に進展している。但し、安全性が重視される航空分野への新技術適用は先ずはクリティカルでない部位への適用から進むものと思われ、通信系、機体モニタリングなどが有望と考えられる。**無人機** は、その開発・実用化が近年、急速に進んでいる領域である。現状、無人機の形態は、高高度長期滞空型、中高度長期滞空型、回転翼型、小型・超小型等に分けられるとともに、操縦方式(人による操縦、プログラミング、自律型)によっても分ける事ができる。技術的には自律型が最も高度なもの。無人機研究開発・実用化で注目されることは、我が国は世界で唯一、無人機民生市場を有している点である。国内では、農業分野で2,000機近い無人機が登録されている。一方、米欧、イスラエル等、諸外国では無人機のほとんどは軍事目的。このように、無人機には民生分野からの流れと、軍事分野の流れの双方があるが、技術的には軍事向け無人機の方がより過酷な環境で運用されることもあり、技術的に高度な要求がされている。このため今後、軍事分野から民生分野へのスピノフが期待される。一方、民生分野での無人機の利用への期待も大きい。リモセンとしての使い方の他、セキュリティや災害時の支援、さらには宅急便への応用も検討されている。しかし、民生分野において無人機を本格活用するためには、安全確保、とりわけ空域内で既存の有人航空機に危険が及ぶことのないようにするための技術、運用方式、そして法令が不可欠。この点について、既に日本や欧米において検討開始されており、我が国では自主規制を導入している。また、米では2020年頃には無人機が自由に飛ぶことを目指している。**その他技術**分野では主に欧米における新技術の開発動向から日本が得てとする技

Subject: Research on the possibility of new technology application in aeronautical field This research is on the following three technical aspects of new aeronautical technology. 1. MEMS 2. Unmanned aerial vehicle (UAV) 3. Other technologies
Tough MEMS is defined as a fine device integrated with a machine body of moveable parts and electronic circuits using semiconductor refined manufacturing technology, recently its meaning sometimes includes all fine devices of a functional complex of such as machineries / electronics / optic / chemistry. Its applied field is wide range for civilian users. For example acceleration sensors of airbag start semiconductor for cars and jets of inkjet printers. Including from aeronautical field, in these days expectation is getting higher owing to its character of high-performance and energy-efficiency. Although there are still few practical applications in this field, it has the potential to use MEMS for various sensors, gyro, RF, and the research and development has been steadily promoted. Above all, non-critical communication system and airframe monitoring have great potential as the first application since aeronautical field demands margin of safety. UAV is the field of rapid growth in late years. As the present situation, its form is divided into HALE(High Altitude Long Endurance), MALE(Middle Altitude Long Endurance), Rotor type, Mini/Micro and also divided by pilot system (by human, programming, auto-computing). Technologically, auto-computing is most advanced. The point of R&D of UAV is that our country is the only one that has its civilian market in the world and almost 2000 UAV has been registered within the country while in other countries such as EU, U.S. and Israel uses it for military. In this way there are two flows, one from civilian use and the other from military. Technologically military-use demands more for its harsh conditions. Therefore for the future spin off from military to civilian use is expected. At the same time there are strong expectations for civilian use. Some examples follow, remote sensing, security, disaster relief and also delivery service. However it is essential to use UAV officially that margin of safety is assured. Especially techniques, operation system and acts are important not to crash with existing airplanes in air. At this point Japan, EU and U.S. have already started reviewing. At this time our country restricts voluntarily, and U.S. aims at its free flight by around 2020. In the field of other technologies, we have chosen some technologies from resent R&D in EU and U.S. that is useful to Japan.

<p>術抽出を行った。欧米における研究開発の方向性は飛行性能向上を図るとともに、航空輸送システムの高度化、安全性とセキュリティの強化、コスト削減、環境対策に重点が置かれている。これらの開発方向性から日本の技術が寄与できる分野としては素材、製造、エレクトロニクス各関連技術の3分野の有効性が高い。</p>	<p>While they develop flight performances, they focus on highly developed air transportation systems, enhancement of margin of safety and security, cost reduction, environmental protection. In this direction we think Japan can contribute three technological fields such as material related technology, manufacturing related technology and electronic related technology.</p>
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http://www.tech.nedo.go.jp/servlet/TopPageServlet?KENSAKU=HOKOKUSYO&kensakuHoho=Barcode_Kensaku&db=n&SERCHBARCODE=100008682

 2006年12月8日 8:08 【CNET Japan 2006年12月08日】

「宇宙学部も作りたい」―吉村作治学長が語る「サイバー大学」の教育構想とは

<http://japan.cnet.com/svc/nlt2?id=20337992>

改正著作権法が衆院で可決―IP放送にも放送事業者としての特権付与へ

<http://japan.cnet.com/svc/nlt2?id=20338004>

フォトレポート:TRONSHOWで見る近未来

<http://japan.cnet.com/svc/nlt2?id=20337994>

日立のUHF帯チップがucode認定に―坂村健氏はEPCglobalとの違いを説明

<http://japan.cnet.com/svc/nlt2?id=20337837>

アマゾン、共同編集ウェブサイトサービスWikiaに投資

<http://japan.cnet.com/svc/nlt2?id=20338030>

 2006年12月7日 7:52 【CNET Japan 2006年12月07日】

日本進出が決まった中国最大の検索サービス「百度」の実態

<http://japan.cnet.com/svc/nlt2?id=20337724>

 2006年12月6日 7:45 【CNET Japan 2006年12月06日】

アドビの新画像フォーマット「DNG」―RAWファイル標準化への長い道のり

<http://japan.cnet.com/svc/nlt2?id=20337614>

検索エンジン百度、日本語版サービスを開始へ

<http://japan.cnet.com/svc/nlt2?id=20337533>

 2006年12月5日 8:39 【CNET Japan 2006年12月05日】

ゲイツ財団、図書館プロジェクトを拡大し、新たに1750万ドルを寄付

<http://japan.cnet.com/svc/nlt2?id=20337416>

容量10Gバイトも登場！―熾烈化するウェブメール競争

<http://japan.cnet.com/svc/nlt2?id=20333168>

 2006年12月4日 8:37 【CNET Japan 2006年12月04日】

テレビの色をより自然に一次世代の色空間規格「xvYCC」

<http://japan.cnet.com/svc/nlt2?id=20336847>

KBMJ、ウェブサイトを自動巡回し情報を収集、配信するサービスを開始

<http://japan.cnet.com/svc/nlt2?id=20335367>

電力線通信普及へ NTT西日本が全国初の「トータル・ケア」

<http://japan.cnet.com/svc/nlt2?id=20335207>

2006年12月8日 人民網日本語版

「風雲2号D」気象衛星、打上げに成功

「長征3号甲」キャリア・ロケットに搭載された「風雲2号D」気象衛星が北京時間8日8時53分、西昌衛星発射センターから打上げられ、予定軌道に入った。

「風雲2号D」衛星は、中国が自主開発した2番目の静止軌道気象衛星。2年前に打上げられて現在運行中の「風雲2号C」気象衛星の予備衛星になるとともに、C衛星と協力しての地球表面の立体観

http://j.peopledaily.com.cn/2006/12/08/jp20061208_65765.html

測も可能となる。(編集 KM)



061201 Astro News

GPS ブロック IIR-16 (M) 軌道に

GPS block IIR-16 (M) on orbit

A Boeing Delta II rocket carrying a GPS IIR satellite lifts off from Cape Canaveral Air Force Station, Fla., Space Complex 17A, Nov. 17 at 2:12 p.m. EST. The Delta II rocket has been instrumental in helping to sustain the GPS constellation. This satellite has joined

the two operational modernized IIR satellites. There are currently 13 other operational Block IIR satellites on orbit within the overall 29-spacecraft constellation.



Photo by Carleton Bailie, The Boeing Company

061201 Astro News

早期の SBIRS パイロードの軌道上チェックアウトが確認された

Early on-orbit checkout of SBIRS payload confirmed

PETERSON AIR FORCE

BASE, Colo. : The U.S. Air Force successfully completed initial early on-orbit checkout of the first Space Based Infrared System payload. SBIRS will deliver a new generation of space-based satellites providing missile warning, missile defense, technical intelligence and battlespace awareness to combatant commanders. The SBIRS Wing at the Space and Missile Systems Center, Los Angeles AFB, Calif., is developing and acquiring the system, and the 460th Space Wing, headquartered at Buckley AFB, Colo., will operate SBIRS. "SBIRS presents a new era of global surveillance with the ability to detect and report events that were previously beyond our capabilities, providing greatly

improved support possible to our combatant commanders," said Gen. Kevin Chilton, commander, Air Force Space Command. The initial ground phase of SBIRS, called Increment 1, became operational in 2001, using a new consolidated ground architecture that processes data from current on-orbit Defense Support Program satellites. The payload, operating in a highly elliptical orbit, is the first component of the Increment 2 constellation, ultimately including two HEO payloads and multiple satellites in geosynchronous earth orbit. The SBIRS team, composed of personnel from the Air Force as well as Lockheed Martin, the prime contractor, and Northrop Grumman, the

payload developer, confirmed the deployment, checkout and testing of the HEO payload, focusing on calibration of the infrared sensors as well as line-of-sight testing. Performance is meeting or exceeding all specified mission requirements. The payload will be fully operationally certified by summer of 2008.

“Launch and checkout of the first SBIRS HEO system is a

critical step in demonstrating this important new operational capability,” Lt. Gen. Michael Hamel, Space and Missile Systems Center commander, said. “SBIRS will deliver revolutionary new ways to address some of the most serious threats the nation faces.”

Aerospace Daily & Defense Report Dec 8, 2006

イラク戦闘の引揚げは大量の航空支援を要するだろうと ISG イラク・スタディ・グループの会長述べる

Iraq combat drawdown would require massive air support, ISG co-chairman says

The Iraq Study Group's (ISG) recommendation to increase the number of U.S. military advisers for the Iraq army while

decreasing combat units would require significant air support, ...

月面基地の計画はモジュールの設置に大きな着陸機を要する

Moon base plans require big lander to deliver modules

HOUSTON – NASA's plans to work from a base on the moon, instead of flying dispersed sortie missions on the Apollo model,

will require a beefy lander ...

月面への降下物は予想したより重い

Lunar fallout heavier than expected

HEAVY SHOWERS: Meteoroids are hitting the moon's surface much more frequently than scientists originally thought, possibly

adding to the need to beef up the shelter available to ...

ITT はホーネットの AN/ALQ-214(V)2 ジャマーの\$76M の契約変更を得る

ITT funded \$76M for Hornet's AN/ALQ-214(V)2 Jammers

JAMMERS: The U.S. Naval Air Systems Command has awarded ITT Industries Avionics Division a \$76.08 million contract

modification for fiscal 2007 full-rate production Lot IV of 46 ...

Falcon SLV プログラムは次のフェイズに近づいている

Falcon SLV program nearing next phase

The Falcon Small Launch Vehicle (SLV) program is preparing to enter its next phase early next year, after contractors AirLaunch

LLC and SpaceX clear a few more ...

英国防衛省は UUV 無人水中ピークルを購入するかもしれない

U.K. defense ministry may purchase UUV

The British defense ministry is exploring the purchase of an unmanned underwater vehicle for reconnaissance and

countermine warfare. ...

英国のグランド・チャレンジは戦闘狙撃士、RPG、IED の探知のアイデアを求めている

U.K. Grand Challenge seeks ideas to combat snipers, RPGs, IEDs

GRAND CHALLENGE: The U.K. defense ministry is sponsoring a

Grand Challenge science and technology competition to promote

new ideas for a system to detect snipers, Rocket Propelled ...

12月18日に Gates 氏が防衛長官になる予定

Gates to become defense secretary Dec. 18

GATES OFFICIAL: Robert Gates will take over as defense secretary Dec. 18, and the Defense Department will honor

current Secretary Donald Rumsfeld at a Pentagon ceremony Dec. ...

中国は気象衛星のフリートを強化する

China boosts weather-satellite fleet

WIND AND CLOUD: China was due to launch a second geostationary weather satellite Dec. 8, and will send up a

sun-synchronous meteorological spacecraft in the second half ...

空軍はパキスタンの F-16 のエンジン性能向上を契約

Air Force awards Pakistani F-16s, engine upgrades

PAKISTANI FALCONS: The U.S. Air Force has awarded Lockheed Martin Corp. a \$144.1 million contract for new F-16

C/D aircraft for Pakistan Under the Block 52 tranche. ...

空軍は追加機能を落して早期のプログラムの取得配備を望む

AF wants faster rollouts of programs minus add-ons

NEW YORK – U.S. Air Force officials will increasingly stress that acquisition programs field early models specifically without many

potential add-on capabilities, and ideally within six years ...

英国はUCAV 無人戦闘航空機 実証機を立上げ予定

U.K. to launch UCAV demonstrator

The British Defense Ministry on Dec. 7 announced it is launching a full-scale unmanned combat air vehicle (UCAV) demonstrator,

with the first flight planned for 2010. ...

Aerospace Daily & Defense Report Dec 7, 2006

ISG イラク・スタディ・グループは米軍再建の5年計画を推奨

Iraq Study Group recommends 5-year plan to restore U.S. military

The war in Iraq has stretched the U.S. military – particularly ground forces – “nearly to the breaking point” and the Bush

administration and Congress need to ...

空軍は改定された空中給油機の RFP で WTO 世界貿易機構の平手打ち/よこやりから自らを絶縁する

AF insulates self from WTO flap in revised draft tanker RFP

The U.S. Air Force released the latest version of the draft request for proposals (RFP) for the KC-X aerial refueling tanker

Dec. 6, inserting new language that ...

画像から火星表面に水があったことが判る

Images show water on Mars' surface

Images of Mars taken by the Mars Global Surveyor in its dying

days Reveal bright new deposits that indicate water is present

on the Martian surface now. . . .

海軍の Trident の契約は Boeing, Northrop, BAE に

Navy contracting Trident awards to Boeing, Northrop, BAE

TRIDENT AWARDS: The Boeing Co., Northrop Grumman Corp. and BAE Systems have all received go-aheads for Navy awards

regarding TRIDENT II (D5) Fleet Ballistic Missiles (FBM), the . . .

航空宇宙/防衛の経営者はイラク撤退の話、防衛予算の締付け、にもかかわらず好業績を確信

Aerospace/defense chiefs express confidence

NEW YORK – Despite talk of drawing down combat forces in Iraq and tightening defense budgets, aerospace and defense industry

participants are increasingly confident in good financial . . .

悪天候がシャトルの 12 月 7 日の打上げを脅かす

Bad weather threatens Dec. 7 shuttle launch

The STS-116 Discovery crew is to rewire the International Space Station next week pending favorable launch weather and a

safe ascent with new engine safety technology and . . .

NASA は増加する手法が宇宙探査のコストをコントロールすると発言

NASA says incremental approach will control exploration costs

Taking an incremental “buildup” approach using mature technology for NASA’s ambitious lunar exploration program

should help avoid the cost growth of past programs such as the space . . .

イージス弾道ミサイル防衛のテストは 12 月 7 日に変更

Aegis Ballistic Missile Defense test now on Dec. 7

AEgis TEST: The Aegis Ballistic Missile Defense test has been moved to the backup day, Dec. 7, U.S. Navy and Missile Defense

Agency officials said Dec. 6. . . .

Aerospace Daily & Defense Report Dec 6, 2006

McCain 共和党議員は Gates 防衛長官予定者に空中給油機の購入を再検討するよう要請

McCain calls on Gates to review tanker buy

Sen. John McCain (R-Ariz.) is asking Robert Gates, the nominee to take over as Defense Secretary, to withhold release of a

controversial request for proposals for the . . .

米陸軍 FCS 将来戦闘システムは非常に重要と Gates 氏は述べる

Future Combat Systems ‘very important,’ Gates says

Robert Gates, President Bush’s choice to be the next Defense Secretary, said Dec. 5 he thinks the Army’s Future Combat

Systems (FCS) is “very important” and that . . .

仏、米は宇宙の協定と Jason-3 衛星に注目

France, U.S. eye space pact, Jason-3

SPACE PACT: France and the U.S. plan to sign a broad-ranging

space cooperation agreement setting down mutual

responsibilities and liabilities in the many areas in which the ...

空軍大將は武器に予算を増加するよう要求

Air Force generals issue call to arms for more funds

NEW YORK – Buffeted by the Army’s flanking maneuver over budget making this year, as well as unfunded needs and desires

of its own, the Air Force ...

アリアンスペースは Coms-1 の契約を決着

Arianespace lands Coms-1 contract

COMS-1 CONTRACT: Arianespace has landed a contract to launch South Korea’s Coms-1, a hybrid satellite earmarked for

broadband/multimedia communications, ocean monitoring and weather forecasting applications. Under the ...

仏と独は Helios と SARLupe の取得データ交換を了解

Paris, Berlin OK Helios-SARLupe exchange

GROUND DATA NETWORK: France and Germany have agreed to construct a ground data network that will allow the two countries

to independently program and access data on ...

Aerospace Daily & Defense Report Dec 5, 2006

NASA は月の極の基地に関する初期計画を明らかに

NASA unveils early plans for polar lunar base

NASA has unveiled early plans for establishing a lunar base at either The south or north poles of the moon that would be home

to future astronauts

ACC は行動中の Raptor を見るため辛口評論家を招待

ACC invites detractors to see Raptor in action

Stung by recent criticism from the U.S. air warfare old guard about the touted F-22 Raptor’s inherent maneuvering and

dogfighting capabilities, Air Force leaders are going on ...

DOD 国防省の IG 監督官は NASA を経由した契約は間違いが多いことを見つける

DOD IG finds contracting via NASA rife with errors

Defense Department contracting and program personnel did not comply with acquisition rules and regulations when using

non-DOD acquisition contracts, the Pentagon’s inspector general’s office found in a ...

ロッキードマーチンはレイセオンの Paveway レーザ誘導爆弾のクレームを問題化

Lockheed Martin disputes Raytheon Paveway claim

PAVEWAY DISPUTE: Lockheed Martin Corp. said it is a fully qualified provider of Paveway II laser-guided bomb (LGB) kits

and is delivering these systems to the U.S. ...

英国は弾道ミサイル潜水艦と共に Tridents を置換え

U.K. to replace Tridents with ballistic missile subs

Britain is signing up for the U.S. Trident D5 life extension program as part of its overall effort to sustain its nuclear deterrent. . . .

DOD 国防省の Cambone インテリジェンス担当防衛次官退任

DOD official Cambone resigns

CAMBONE QUILTS: Under Secretary of Defense for Intelligence Stephen Cambone has resigned effective Dec. 31, the Defense

Department has announced. Cambone was confirmed for the post in . . .

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

中国は新しい気象衛星を打上げ

China Launches New Weather Satellite

PARIS — China 痴 newest geostationary-orbiting meteorological satellite, FengYun 2D, was successfully launched Dec. 8 aboard a Chinese Long March 3A rocket from the Xichang Satellite

Launch Center in southwest China, Chinese government officials announced.

韓国の宇宙飛行士がロシアの宇宙機で 2008 年飛行する契約が調印された

Contract Signed for South Korean Astronaut To Fly in Russian Spacecraft in 2008

MOSCOW (AP) • Russian and South Korean space officials on Thursday signed a contract for a South Korean astronaut to fly

to the international space station aboard a Russian spaceship in 2008, officials said.

エアロジェットがホール効果スラスターの販売予定

Aerojet To Market Hall-effect Thrusters

WASHINGTON • Aerojet has secured the rights to market Russian-built electric spacecraft thrusters in the United States,

Japan and South America, GenCorp Inc., Aerojet 痴 parent company, announced Dec. 6.

ソユーズのタンクの問題で Corot 天文衛星の打上げ遅れ

Soyuz Tank Issue Delays Corot Launch

PARIS 裕 he launch of the French Corot astronomy satellite aboard a newly designed Russian Soyuz rocket will be delayed by a week, to Dec. 27, following discovery of a leak in the rocket's

upper-stage hydrazine fuel tank, the French space agency, CNES, announced Dec. 7.

仏の企業が Eutelsat の株 25.5%を購入

French Firm Acquires 25.5 Percent Stake in Eutelsat

PARIS • Satellite-fleet operator Eutelsat witnessed its second major shareholder transaction in 48 hours on Dec. 7 when France's largest savings institution, CDC, announced it is

purchasing the 25.5 percent Eutelsat stake held by the Eurazeo investment company.

最近の水の流れが火星の小溪谷外観変化のヒントに

Changing Mars Gullies Hint at Recent Flowing Water

The changing appearance of gullies on Mars within the last few years has prompted new hopes that liquid water may have flowed

recently on the red planet.

バージニアの高校は衛星を設計、製造、打上げ予定、オービタルが支援

Virginia High School To Design, Build and Launch Satellite

ALEXANDRIA, Va. • With some assistance and funding from Orbital Sciences Corp. students at Thomas Jefferson High

School in Annandale, Va., will get the opportunity to build and launch their own satellite.

プエルトリコの電波望遠鏡の将来がかすむ

Future Dimming for Puerto Rico Telescope

ARECIBO, Puerto Rico (AP) _ At the world's largest radio telescope, astronomers searching for asteroids on a collision course with Earth are bracing for a more worldly threat: The

steepest budget cuts and first layoffs since the observatory opened in 1963.

次の Falcon 1 の打上げは2月にずれ込む可能性

Next Falcon 1 Launch Could Slip to February

HOUSTON • Space Exploration Technologies Corp. (SpaceX) will attempt its second launch of the Falcon 1 rocket in late January

or early February, SpaceX Chief Executive Officer Elon Musk said here Dec. 5.

Honeywell は Ares 1 のアビオニクス作業に応札予定

Honeywell To Bid on Ares 1 Avionics Work

HOUSTON • Honeywell Aerospace, the Glendale, Ariz. firm designing and building the Orion Crew Exploration Vehicle 痴

avionics system, wants to do the same for the Ares 1 Crew Launch Vehicle.

NASA にとって月面基地は次の目的地への踏み石である

Moon is a Way Station for NASA

HOUSTON • One day after the U.S. space agency unveiled a lunar exploration strategy calling for a Moon base, NASA Deputy Administrator Shana Dale stressed that Earth 痴 nearest

neighbor remains only a stepping stone to more distant destinations.

Week of December 11, 2006 Sat News <http://www.satnews.com/>

Alcatel Alenia は Euro 661-M のグローバルスターとの契約を獲得、第二世代の LEO 衛星コンステレーションを製造予定

... [Alcatel Alenia Wins Euro 661-M Contract With Globalstar to Build Their Second-Generation LEO Satellite Constellation](#)

AMC-18、WildBlue-1 衛星は打上げ成功

... [AMC-18, WildBlue-1 Satellites Successfully Launched](#)

ボーイングとロッキードマーチンは ULA の処理を完了

... [Boeing and Lockheed Martin Complete United Launch Alliance Transaction](#)

Liberty の John Malone が DirecTV をコントロール？

... [Liberty's John Malone to Control DirecTV?](#)

ノースロップグラマンは米空軍第二世代極通信ペイロードの第二フェーズに入る

... [Northrop Grumman Enters Second Phase of U.S. Air Force Next-Generation Polar Communications Payload](#)

ボーイングは TSAT と BAE システムのエアボーン・レーザコム・リスク低減端末間のインターオペラビリティを実証

… **Boeing Demonstrates Interoperability between TSAT and BAE Systems' Airborne Lasercom Risk Reduction Terminal**

Abertis Telecom は Eutelsat の 32%の株式を購入することで合意

… **Abertis Telecom Agrees to Buy a 32% Stake in Eutelsat**

Aerojet は米国/ロシア宇宙企業の拡大のチーミング合意書にサイン

… **Aerojet Signs Teaming Agreement to Expand United States/Russian Space Cooperation**

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

ロッキードマーチンは AMC-18 衛星の打上げで A2100 バスの連続 31 回の成功を達成

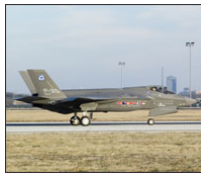
December 08, 2006 Lockheed Martin marks 31st consecutive A2100 success with the launch of AMC-18 satellite

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18066&rsbci=0&fti=111&ti=0&sc=400>

ロッキードマーチンは F-35 の初のグランド滑走テストを完了

December 08, 2006 LOCKHEED MARTIN F-35 COMPLETES FIRST GROUND TAXI TEST

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18067&rsbci=0&fti=111&ti=0&sc=400>



ロッキードマーチン製造の Trident II D5 は2つのミサイル米海軍試験で打上げ成功

December 07, 2006 LOCKHEED MARTIN-BUILT TRIDENT II D5 SUCCESSFULLY LAUNCHED IN TWO-MISSILE U.S. NAVY TEST

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18064&rsbci=0&fti=111&ti=0&sc=400>

ロッキードマーチンは仏の評価の期間 Hellfire II ミサイルの発射成功を発表

December 06, 2006 Lockheed Martin Announces Successful Firing of Hellfire II Missile During French Evaluation

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18058&rsbci=0&fti=111&ti=0&sc=400>

ロッキードマーチン製造の AMC-18 衛星は打上げ準備完

December 05, 2006 LOCKHEED MARTIN-BUILT AMC-18 SATELLITE READY FOR LAUNCH

<http://www.lockheedmartin.com/wms/findPage.do?dsp=fec&ci=18055&rsbci=0&fti=111&ti=0&sc=400>

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

ボーイングは TSAT と BAE システムのエアボーン Lasercom リスク低減端末との間のインオペを実証

Dec. 4, 2006 Boeing Demonstrates Interoperability between TSAT and BAE Systems' Airborne Lasercom Risk Reduction Terminal

http://www.boeing.com/news/releases/2006/q4/061204a_nr.html



ボーイングとロッキードマーチンは ULA ユナイテッド・ローンチ・アライアンスの設立に伴う経理的処理を完了

Dec. 1, 2006 **Boeing and Lockheed Martin Complete United Launch Alliance Transaction**

http://www.boeing.com/news/releases/2006/q4/061201a_nr.html

12/6/2006 # 362 **France in Space** <http://www.france-science.org/home/page.asp?target=nfo-let&PUBLID=9&LNG=us>

グローバルスターと Alcatel Alenia は 48 機の衛星を契約

- 1: **GLOBALSTAR & ALCATEL ALENIA SIGN 48-SATELLITE CONTRACT**

スペインのグループ Abertis 社が Eutelsat の株式を購入

- 2: **SPANISH GROUP, ABERTIS, BUYS STAKE IN EUTELSAT**

OHB 社は仏-独衛星のインターフェイス・システムを製作予定

- 3: **OHB TO BUILD FRENCH-GERMAN SATELLITE INTERFACE SYSTEM**

アリアンスペースは韓国の COMS-1 衛星を打上げ予定

- 4: **ARIANESPACE TO LAUNCH KOREAN COMS-1 SATELLITE**

Alcatel-Lucent と Thales は Alcatel-Lucent 資産の譲渡についての合意書を締結

- 5: **ALCATEL-LUCENT AND THALES FINALIZE AGREEMENT ON TRANSFER OF ALCATEL-LUCENT ASSETS**

要 約

- 6: **IN BRIEF**

- 1: **グローバルスターと Alcatel Alenia は 48 機の衛星を契約**

- 1: **GLOBALSTAR & ALCATEL ALENIA SIGN 48-SATELLITE CONTRACT**

Globalstar, Inc. and Alcatel Alenia Space announced Monday December 4th, that they had signed a 661 million euro contract for the construction of 48 Globalstar satellites. According to the terms of the contract, Alcatel Alenia Space, as prime contractor, will design, manufacture and deliver the 48 second-generation, low-earth-orbit satellites, as well as provide launch services prior to and during the launches and mission operations support. This contract was finalized only a few weeks after the preliminary contract (Authorization To Proceed), aimed at defining the program readiness review and developing

program milestones, was signed. Each Globalstar satellite will weigh roughly 700 kg and will be fitted with 32 transponders in C-, S- and L-band. Starting in 2009, the spacecraft will be launched six to eight at a time and will have a lifespan of 15 years. The satellites will be assembled and integrated at Alcatel Alenia's facilities in Rome, Italy, the payloads will be provided by the company's facility in Toulouse, France, and the structures, as well as the thermal subsystems, will be provided by its facility in Cannes, France. [Alcatel Alenia Space 12/04/06, Space News 12/04/06]

- 2: **スペインのグループ Abertis 社が Eutelsat の株式を購入**

- 2: SPANISH GROUP, ABERTIS, BUYS STAKE IN

In a statement released December 5th, the Spanish infrastructures group, Abertis, announced that it has agreed to pay 1.07 billion euros for a 32% stake in the Paris-based satellite operator Eutelsat Communications. If the purchase goes through as planned, it would make Abertis the single largest shareholder in the company. Abertis is hoping to expand its telecommunications business, which currently account for 11% of

its sales. The 32% stake is being sold by a group of investors including Texas Pacific, Spectrum, Cinven and Goldman Sachs. Eutelsat Communications presently operates 23 satellites providing telecommunications coverage over the entire European continent, as well as the Middle East, Africa, India and significant parts of Asia and the Americas. [Financial Times 12/06/06, International Herald Tribune 12/06/06]

- 3: OHB 社は仏-独衛星のインターフェイス・システムを製作予定

- 3: OHB TO BUILD FRENCH-GERMAN SATELLITE INTERFACE SYSTEM

The German defense technology procurement agency has signed a contract with OHB-System AG to provide the technical interface that will allow German and French military forces to access each other's surveillance satellites. The Europeanization of Satellite-Based Reconnaissance (E-SGA) contract, signed December 1st, is valued at 87 million euros. The technical interfaces and the necessary ground-based structures to be built by OHB will give German forces access to

France's Helios 2 high-resolution optical data, and in turn, French forces will have access to Germany's SAR-Lupe high-resolution radar satellite system. OHB has already begun preliminary work on E-SGA while it was awaiting the formal signing of the contract. In the future this nascent system could be expanded to include the space-reconnaissance resources of other countries in Europe, such as Italy. [Space News 12/04/06]

- 4: アリアンスペースは韓国の COMS-1 衛星を打上げ予定

- 4: ARIANESPACE TO LAUNCH KOREAN COMS-1 SATELLITE

The Korean Aerospace Research Institute (KARI) has announced that it has chosen Arianespace to launch its COMS-1 multi-mission satellite. The signature of this contract marks Arianespace's 12th launch services contract of 2006. The Communication, Ocean and Meteorological Satellite-1 (COMS-1) will be placed into geostationary transfer orbit by an Ariane 5 sometime between the end of 2008 and June 2009. The spacecraft, which will weigh approximately 2,600 kg at launch, will be fitted with three distinct payloads, including meteorological

observation and ocean surveillance instruments. It will also carry an experimental payload for broadband, multimedia communications services. Astrium Satellites, as prime contractor, will build COMS-1 using a Eurostar 3000 platform fitted with a meteorological imager and an ocean observation payload. The experimental telecom payload however, is being supplied by KARI. [Arianespace 12/04/06, Agence France Presse 12/04/06]

- 5: Alcatel-Lucent と Thales は Alcatel-Lucent 資産の譲渡についての合意書を締結

- 5: ALCATEL-LUCENT AND THALES FINALIZE AGREEMENT ON TRANSFER OF ALCATEL-LUCENT ASSETS

Alcatel-Lucent and Thales announced this week that they have signed a final agreement for the transfer of Alcatel-Lucent's transportation, security and space assets to Thales, as well as on future industrial cooperation between the two companies. The agreement follows the signature of a new Space Alliance agreement between Thales, Alcatel-Lucent and Finmeccanica, in which the latter agreed to the transfer to Thales of

Alcatel-Lucent's share in Alcatel Alenia Space and Telespazio. The European Commission is currently examining the dossier and has entered phase II of the regulatory approval process for the transfer, a process that could last up to 90 days. According to the terms of the agreement, and with respect to the transfer of the space activities, a cash payment of 670 million euros will be made to Alcatel-Lucent. The value of the 67% shares in Alcatel

Alenia Space will be reassessed by an independent expert at the beginning of 2009, which may prompt an adjustment. Consequently, Alcatel-Lucent's interest in Thales will increase from 9.46% to 20.95%. The French government will remain

Thales' primary shareholder with a 27.29% stake. Alcatel-Lucent and the French government will enter into a new Shareholders' Agreement for a period of five years, renewable. [Alcatel-Lucent 12/04/06, Agence France Presse 12/04/06]

- 6: 要約

- 6: IN BRIEF

The **P80 motor**, which will power **Vega**'s first stage, successfully underwent its first static firing on November 30th at the Guiana Space Center in Kourou. According to the preliminary data, the motor performed exactly as expected. A second and final test firing of the P80 is scheduled for mid-2007. [CNES 11/30/06]

The launch of CNES' **CoRoT** (Convection, Rotation & planetary Transits) Space Telescope mission has been postponed until December 27th (a date confirmed by Arianespace) due to a leak detected in the fuel circuit of the launcher's Fregat upper stage. [CNES 12/06/06]

The **BADR-4** satellite built by Astrium Satellites has been handed over to **ARABSAT** as part of the in-orbit delivery

contract and has entered commercial service. The Astrium control center in Toulouse, France began operating the spacecraft following its launch on November 9th from Baikonur; it arrived in geostationary orbit on November 13th where it was thoroughly tested. The satellite will carry Direct-To-Home television services, along with voice and data telecommunications services, across the entire Middle East and North Africa region, as well as parts of Europe. [EADS Space 12/04/06]

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

Business News

International Space News

Launch News

Program News

Science and Exploration News

Technology News

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

ボーイングは TSAT 端末のアジリティ(敏捷性)をデモ

07-Dec-2006 [Boeing demonstrates agility of TSAT terminal](#)

Boeing has demonstrated the agility of its Transformational Satellite Communications (TSAT) laser communications terminal,

routing signals through the BAE Systems' Airborne Lasercom Terminal (ALT), it...

L-3 は買収戦略を押し進める

07-Dec-2006 [L-3 will press ahead with acquisition strategy](#)

Acquisitions will continue to play a prominent role in L-3 Communications' business strategy, the head of the group has

stated. Mike Strianese, L-3 Communications' ...

レイセオンは歩兵兵士の ad hoc 自立分散型無線ネットワークによる戦場通信をデモ[\[編注\]](#) ad hoc: アクセスポイントを介さず機器同士が直接接続

06-Dec-2006 Raytheon demonstrates dismounted ad hoc battlefield communications

Raytheon has demonstrated its Communications Network Radio System (CNRS) in what it claims was the largest tactical ad hoc

network created. Recent tests of ...

2006 年 月 日 時事通信社「世界週報」 月 日号 [目次抜粋]

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

[NEWS]

12/10 0147GMT 打上成功:STS-116(ISS 12A.1),Discovery,KSC

12/8 2208GMT 打上成功:{放送衛星 WildBlue1,通信衛星 AMC18},Ariane 5 ECA,Kourou

11/29 0035GMT 打上成功:気象衛星 風雲 2 号 D,長征 3A,西昌

[予定]

12/14 2000-2500GMT 打上:軍事衛星(NRO L-21),Delta 2,Vandenberg

12/11 2329GMT 打上:(Malaysia)通信衛星 MEASAT 3,Proton/Breeze M,Baikonur

[EVENT]

12/20 参加申込締切:衛星リモセン漁業水産ワークショップ in 宮崎, 1/6,めいつ漁民センター,申込リモセン技術センタ

12/9-17 イーハートプ宇宙展,奥州市 市民産業文化ホール

[学会]

1/11 JSASS 西部支部談話会,九州大学(伊都)

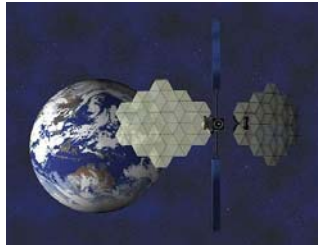
12/15 申込締切:平成 18 年度衝撃波シンポジウム,3/15-17,九大(筑紫)

12/15 申込締切:IEICE SANE 研究会,2/23,日本工業大学

12/14-15 平成 18 年度宇宙航行の力学シンポジウム,ISAS 相模原

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

- スペースシャトル、国際宇宙ステーションとドッキング(読売新聞)(12日11時50分)
- ディスカバリ打上げに成功 NASA(産経新聞)(11日16時53分)
- 繊維・石川の技、宇宙へ「きく8号」のアンテナ素材に - 北國新聞(10日18時31分)
- 「ディスカバリ」打上げ成功、ISS建設に弾み(読売新聞)(10日16時27分)
- 米スペースシャトル、夜間打上げに成功(ロイター)(10日13時18分)
- <NASA> ディスカバリ打上げ 宇宙ステーションへ(毎日新聞)(10日11時51分)
- 宇宙に開け、傘28本—きく8号(時事通信)(9日18時28分)



- 千年前に藤原定家が記録の「超新星」、すざくが観測(読売新聞) (9日12時44分)
- ユーシェンコ・ウクライナ大統領が18日から訪韓(YONHAP NEWS) (8日15時54分)
- 【中国】長征3Aで中国2基目の静止気象衛星打上げ成功(サーチナ・中国情報局) (8日13時6分)



- 韓国人宇宙飛行士の訓練でロシア宇宙庁と契約締結(YONHAP NEWS) (8日9時8分)
- スペースシャトル、日本時間8日午前に打上げ(ロイター) (7日19時18分)
- 水が最近流れた跡か＝火星クレーターで発見－米探査機(時事通信) (7日11時1分)



- 火星表面に新しい水流跡？米研究者が探査機画像を解析(読売新聞) (7日7時0分)
- <火星>7年以内に水の流れた跡？ 米探査機撮影(毎日新聞) (7日3時5分)
- 銀河で爆発「星のタネ」見えた！…天文衛星「すざく」(読売新聞) (7日2時3分)
- 国際宇宙ステーションで日本食いかが(読売新聞) (6日12時17分)
- 宇宙食「日本食」提供のためメニュー作り 研究開発機構(毎日新聞) (6日10時1分)
- <宇宙食>「日本食」提供のためメニュー作り 研究開発機構(毎日新聞) (5日21時12分)
- H2Aの機種を半減＝コスト削減を加速―三菱重工(時事通信) (5日20時1分)
- 三菱重工、ロケットの生産体制見直しなどでコスト削減へ(ロイター) (5日18時24分)

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

- イラク政策見直しへ集中協議＝独立委勧告に懐疑的－米政権(時事通信) (12日1時2分)
- <イラク>ラムズフェルド米国防長官 最後のイラク訪問(毎日新聞) (11日14時54分)
- イラク大統領、「イラク研究グループ」報告を拒否(ロイター) (11日12時34分)
- 米兵を強盗致傷で現行犯逮捕＝飲食代払わず暴行、容疑否認－神奈川県警(時事通信) (11日12時0分)
- イラン外相、イラクめぐり米国との直接協議に条件提示(ロイター) (11日11時28分)
- 米に提供の原州地震観測所を返還、韓米が合意(YONHAP NEWS) (11日10時10分)
- ラムズフェルド米国防長官、退任前にイラクを電撃訪問(読売新聞) (11日1時26分)
- 退任直前のイラク電撃訪問－米国防長官(時事通信) (10日21時43分)
- 普天間の米軍機飛行ルート、米側に変更要請へ…政府(読売新聞) (10日3時8分)
- 米軍イラク駐留は必要…退任直前の米国防長官強調(読売新聞) (9日20時29分)
- <イラク>安定化悲観論が米国人の3分の2に 世論調査(毎日新聞) (9日18時25分)

- <イラク駐留米軍>08年撤退は「可能」 会見で司令官(毎日新聞) (9日 11時 39分)
- 米軍が空爆で武装勢力殺害、イラク警察は民間人と発表(読売新聞) (9日 10時 51分)
- <米国国防長官>イラク軍事的勝利ない ラムズフェルド氏講演(毎日新聞) (9日 10時 43分)
- 「普天間心残り」 稲嶺知事、きょう離任(琉球新報) (9日 10時 0分)
- 対イラク政策 問題解決、広がる疑問 米英首脳 勧告に終始原則論(産経新聞) (9日 8時 0分)
- 米大統領、クリスマス前にイラク新政策で演説(読売新聞) (9日 3時 12分)
- 韓国スパイ組織「一心会」事件、野党幹部ら5人を起訴(読売新聞) (9日 0時 56分)
- <韓国>北朝鮮側スパイ5人を起訴(毎日新聞) (8日 21時 55分)
- <米軍機トラブル>防衛施設庁が安全管理申し入れ (毎日新聞) (8日 19時 32分)
- 久間防衛庁長官 「イラク開戦支持」見解で訂正(毎日新聞) (8日 17時 16分)
- 米軍に安全管理徹底申し入れ＝F16トラブル続発で一施設庁長官(時事通信) (8日 17時 0分)
- 統一戦線を国内に構築、一心会事件の中間捜査結果(YONHAP NEWS) (8日 16時 16分)
- 戦時作戦統制権の移譲時期、来年6月に確定見通し(YONHAP NEWS) (8日 15時 15分)
- <久間長官>「イラク開戦支持」見解で訂正(毎日新聞) (8日 12時 0分)
- 米英首脳、イラク政策の見直しで一致…会談後に会見(読売新聞) (8日 11時 49分)
- 沖縄次期知事、「普天間」政府案に柔軟姿勢(読売新聞) (8日 10時 51分)
- イラク政策 米の転換を世界が注視(毎日新聞) (8日 10時 5分)
- 「基地があれば攻撃は後回しになるのでは」 久間長官、PAC3配備で見解(琉球新報) (8日 9時 49分)
- イラク政策、新たなアプローチが必要＝米大統領(ロイター) (8日 9時 17分)
- 米国「韓国に核兵器保有せず」、北朝鮮の主張に反発(YONHAP NEWS) (8日 9時 15分)
- 米「イラク研究グループ」報告 民主は支持、共和に反発(産経新聞) (8日 8時 0分)
- <イラク特措法>09年まで延長検討 米軍撤退時期にらみ(毎日新聞) (8日 3時 3分)
- <久間防衛庁長官>イラク開戦支持「公式見解ではない」(毎日新聞) (8日 2時 53分)
- 滑走路に模擬弾、けが人なし＝米軍戦闘機から落下－青森(時事通信) (7日 22時 1分)
- 米軍撤退なら事前協議必要＝久間防衛長官(時事通信) (7日 19時 1分)
- ベル司令官「防衛費分担額、米軍の期待以下」(YONHAP NEWS) (7日 15時 10分)
- <シリア>米超党派提言は「イラク占領の終わりを意味する」(毎日新聞) (7日 14時 46分)
- 米軍のイラク撤退に関する報告書、米政府の対応注視＝官房長官(ロイター) (7日 13時 57分)
- 米上院、ゲーツ氏の次期国防長官指名を承認(読売新聞) (7日 13時 54分)
- <次期米国国防長官>ゲーツ氏承認 イラク見直し加速へ(毎日新聞) (7日 10時 56分)
- 楚辺通信所きょう閉鎖 代替施設、本格運用へ移行(琉球新報) (7日 9時 55分)
- ブッシュ政権のイラク政策批判＝米独立委共同委員長が会見(時事通信) (7日 9時 1分)
- ISG報告書 大統領の決断焦点 カギ握るゲーツ氏(産経新聞) (7日 8時 0分)
- イラク情勢は深刻で悪化、米戦闘部隊撤退や外交努力促進を＝超党派グループ(ロイター) (7日 7時 43分)
- 戦闘部隊、08年までに撤退可能＝米軍任務はイラク支援へ移行－米独立委(時事通信) (7日 3時 0分)
- イラク駐留米軍、全戦闘部隊の撤収勧告…研究グループ(読売新聞) (7日 2時 8分)
- <キルギス>米兵が地元運転手を射殺、原因不明(毎日新聞) (7日 1時 4分)
- <イラク政策>米超党派が見直し報告書 大統領に提言(毎日新聞) (6日 22時 18分)
- 米軍の役割は支援活動に移すべき―イラク検討グループ＝CNN(ロイター) (6日 16時 4分)
- <米次期国防長官>ゲーツ氏の指名に同意 米上院軍事委(毎日新聞) (6日 12時 13分)
- <米次期国防長官>イラクの中東への影響に危機感 公聴会(毎日新聞) (6日 11時 10分)

- <イラク副議長>イラク人主体の治安維持態勢 バグダッド(毎日新聞) (6日10時33分)
- 証言するゲーツ米次期国防長官(時事通信) (6日10時27分)
- 予防着陸にも適用 基地外の事故対処指針(琉球新報) (6日9時50分)
- 日本版NSC 政策立案権限の付与 首相、初の具体策明言(産経新聞) (6日8時0分)
- イランは核兵器保有を目指している=米国防長官指名のゲーツ氏(ロイター) (6日7時0分)
- イラク戦での勝利に疑問=政策見直し、1-2年で成果 次期米国防長官(時事通信) (6日3時0分)
- <米国防長官>ゲーツ元CIA長官の指名公聴会始まる(毎日新聞) (6日2時30分)
- <北海道知事>米軍機の訓練事故「昨日報告受けた」と陳謝(毎日新聞) (6日0時27分)

【核兵器】 http://dailynews.yahoo.co.jp/fc/world/nuclear_weapons/

- イスラエル首相が「公然の秘密」暴露？核保有を示唆(読売新聞) (12日11時14分)
- 作業部会設置求める=6カ国協議で麻生外相(時事通信) (12日11時0分)
- 核兵器開発認めると=独 TVに「保有国」と表現-イスラエル首相(時事通信) (12日9時0分)
- 6カ国協議、18日から北京で再開…1年1か月ぶり(読売新聞) (11日21時59分)
- <6カ国協議>18日北京で再開 米朝対立は必至、難航か(毎日新聞) (11日20時20分)
- 6カ国協議、18日に再開=1年1か月ぶり、難航必至-中国が正式発表(時事通信) (11日17時1分)
- 「6カ国協議」18日で最終調整 16日の再開ずれ込む(産経新聞) (11日16時53分)
- 朝鮮半島問題で韓国の意見尊重を、李鍾ソク前長官(YONHAP NEWS) (11日15時8分)
- 6カ国協議「拉致論じる場でない」北朝鮮また日本批判(読売新聞) (11日14時39分)
- 6カ国協議「具体的進展を」=安倍首相(時事通信) (11日13時0分)
- 拉致問題論じる場ではない=「6カ国」で日本を再度批判-北朝鮮紙(時事通信) (11日13時0分)
- 南北首脳会談で詰め協議進行、野党議員明かす(YONHAP NEWS) (11日10時30分)
- 米に提供の原州地震観測所を返還、韓米が合意(YONHAP NEWS) (11日10時10分)
- 6カ国協議は16~18日の再開が有力、米務省(YONHAP NEWS) (11日10時6分)
- 6カ国協議 日本、意向反映に苦心 「拉致」米中に協力働きかけ(産経新聞) (10日8時0分)
- 6カ国16日再開へ 首相、拉致早期解決求める(産経新聞) (10日8時0分)
- 6カ国協議 北、「核」前面に強硬姿勢(産経新聞) (10日8時0分)
- <安倍首相>北朝鮮「核放棄で具体的な行動必要」と強調(毎日新聞) (10日1時22分)
- 北の核・ミサイルに関心、内閣府の世論調査で過去最高(読売新聞) (10日0時22分)
- <外交世論調査>日韓関係「良好と思わない」 最高の57%(毎日新聞) (9日19時47分)
- <6カ国協議>中国協議筋、16日再開後「難航」見通し示す(毎日新聞) (9日19時7分)
- 「北の核・ミサイルに関心」過去最高=対中感情4年ぶり改善-内閣府調査(時事通信) (9日19時0分)
- <6カ国協議>16日再開も北朝鮮、米提案に回答示さず(毎日新聞) (9日18時8分)
- 盧大統領「6カ国協議、ボールは北朝鮮にある」(YONHAP NEWS) (9日17時50分)
- 6カ国協議16日再開へ 13か月ぶり、米朝間進展か(西日本新聞) (9日17時7分)
- 「6カ国」16日に再開 中国が提案、発表へ(産経新聞) (9日16時6分)
- 中国が6カ国協議の16日開催を提案、現在回答待ち(YONHAP NEWS) (9日12時32分)
- <6カ国協議>議長国・中国、16日再開を各国に提案 (毎日新聞) (9日11時23分)
- <北朝鮮制裁>核爆発装置起爆と認定 米が追加発動(毎日新聞) (9日11時11分)
- 6カ国協議再開、今月中旬で調整…米政府筋(読売新聞) (9日10時40分)

- 李統一部長官が開城訪問「事業の安定発展を確信」(YONHAP NEWS) (9日8時52分)
- 対イラク政策 問題解決、広がる疑問 米英首脳 勧告に終始原則論(産経新聞) (9日8時0分)
- 米本土への核テロ防止、釜山など6港に探知装置設置(読売新聞) (8日20時9分)
- 中国とオーストラリアの原子力協力は平和目的 - 人民日報 (8日17時43分)
- 6カ国協議 年内開催、固執せず 米、対北調整難航か(産経新聞) (8日16時23分)
- 韓国に米国の核兵器はない、盧大統領が明言(YONHAP NEWS) (8日11時39分)
- 統一部長官が開城工業団地訪問、朱東賛氏と会合も(YONHAP NEWS) (8日11時38分)
- 北朝鮮、米国が韓国に核兵器を配備と確信＝イタルタス通信(ロイター) (8日11時32分)
- 6カ国協議の再開、年明けも…米國務省報道官が示唆(読売新聞) (8日11時18分)
- 核テロ防止で貨物検査＝釜山など国外6港で実施へー米(時事通信) (8日11時1分)
- 米国「韓国に核兵器保有せず」、北朝鮮の主張に反発(YONHAP NEWS) (8日9時15分)
- 年内の6カ国協議再開に固執せず＝韓国への核配備否定ー米(時事通信) (8日9時1分)
- 日韓個別会談見送り きょうから首相外遊 冷めた関係を露呈？(産経新聞) (8日8時0分)
- <政府>インドの民生核容認 米との協定支持で調整へ(毎日新聞) (8日3時3分)
- 「米朝は解決の糸口を探っている」金大中前大統領(YONHAP NEWS) (7日20時6分)
- 「戦争しても北朝鮮は韓国に勝てない」盧大統領(YONHAP NEWS) (7日17時50分)
- <イラン制裁>国連安保理決議案へ賛成 日本政府が方針(毎日新聞) (7日15時2分)
- 北核実験問題など協議＝9日から首脳・閣僚会議－ASEAN(時事通信) (7日15時1分)
- 国連総会、13年連続で核軍縮決議案を採択(読売新聞) (7日12時28分)
- 対北非難の核廃絶決議成立＝13年連続、名指し批判は初－国連総会(時事通信) (7日11時1分)
- <国連>核軍縮決議を採択 北朝鮮核実験を非難 米印は反対(毎日新聞) (7日10時31分)
- 北朝鮮に核実験放棄と開発凍結要求＝支援策提示、期限明示せずー米中が提案(時事通信) (7日7時1分)
- <仏外相>イラン核反対のロワイヤル氏を非難(毎日新聞) (6日21時48分)
- 朝鮮中央通信が論評「日本が核問題解決を妨害」(YONHAP NEWS) (6日13時31分)
- <イラン決議案>6カ国とEUの協議、合意できず(毎日新聞) (6日11時10分)
- <米次期国防長官>イラクの中東への影響に危機感 公聴会(毎日新聞) (6日11時10分)
- 日本版NSC 政策立案権限の付与 首相、初の具体策明言(産経新聞) (6日8時0分)
- イランは核兵器保有を目指している＝米国防長官指名のゲーツ氏(ロイター) (6日7時0分)



- テロでの核攻撃も想定、英が核兵器システム更新の白書(読売新聞) (5日22時4分)

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

12/7 「コラム」更新

・朝雲寸言 /// ・造反組復党の“代償” /// ・元露情報機関員の死

2006年12月12日 1:13 AIA dailyLead December 11, 2006

NASA スペースシャトル 今回は事故要因なしと発表

NASA says space shuttle suffered no damage

NASA says the shuttle Discovery experienced no damage during its launch Saturday night. The liftoff was the shuttle's first night launch in four years. "It was a very typical ascent," deputy shuttle program manager John Shannon says. "The team sees nothing of concern at this time." Florida Today (Melbourne) (12/11), USA TODAY (12/11)

FAA パイロット退職年齢を65歳に引上げる

FAA may raise pilot retirement age to 65, officials say

Government and industry officials say the FAA may soon raise the required retirement age for airline pilots from 60 to 65. Officials say FAA Administrator Marion Blakey will gauge support from new Democratic leaders in Congress before publicly announcing a policy change. The Wall Street Journal (subscription required) (12/10)

ノースウエスト航空 合併事業評価にコンサルタントを採用

Northwest plans to hire consultant to evaluate possible merger

Northwest Airlines has asked a bankruptcy judge for permission to hire an investment-banking and restructuring adviser to help evaluate merger and acquisition opportunities. Evercore Partners would help the airline evaluate "strategic alternatives." US Airways' bid for Delta Air Lines has pushed several carriers to evaluate merging or acquiring other carriers' divested assets. Bloomberg/ClipSyndicate (12/11), MSNBC (12/8), The Wall Street Journal (subscription required) (12/10), The New York Times (free registration) (12/9), USA TODAY (12/11)

ロスアンジェルス空港のレーダ近代化 計画遅れ

Radar upgrades at Los Angeles airport behind schedule

Several radar upgrades at Los Angeles International Airport originally slated to be in place this year are months behind schedule. Air traffic controllers say the equipment is essential to prevent potential collisions on the ground. The FAA attributed the delays in the ASDE-X system at LAX to construction at other airports that required the agency to install the equipment at those facilities first. Ian Gregor, an FAA spokesman, emphasizes that the current runway safety equipment at LAX is not "insufficient in any way. Given the scope and complexity of what we're doing, it's inevitable that delays will occasionally occur." Los Angeles Times (free registration) (12/11)

アメリカン航空 中国路線 パイロット意見から変更

American hopes to amend proposal for Chinese route

American Airlines wants to amend its proposal for a Chinese route to meet objections from its pilots. American now wants to propose that flights to Beijing from Dallas stop in Chicago. Flights from Beijing would fly directly to Dallas, since tailwinds would make the flight shorter. Detroit Free Press/Associated Press (12/10)

2006年12月9日 1:23 AIA dailyLead December 8, 2006

レイシオン航空機部門を切離し売却計画

Raytheon may get three bids for aircraft unit

Raytheon may receive three bids for its aircraft division, industry sources say. One analyst estimates Raytheon would get about \$2.5 billion for the aircraft unit. Bloomberg/ClipSyndicate (12/8), The New York Times/Associated Press (free registration) (12/8)

デルタ航空 機材の買い増しと売却

Delta reaches agreement to buy, sell aircraft

Delta Air Lines has agreed to buy 10 737-700 airliners from Boeing. When the planes are delivered, Delta will sell 38 737-800s to Aviation Capital Group and Babcock & Brown Aviation Finance. The deal must be approved by the bankruptcy court. Seattle Post-Intelligencer/Bloomberg (12/8), Reuters (12/8)

GE 航空部門 大型受注2件

GE Aviation lands two engine contracts

GE Aviation on Thursday said it has received large orders for two different engines. Lufthansa placed a \$950 million order for 20 Boeing 747-8 Intercontinental aircraft powered by the GEnx engine. GE will also provide engines for new 737s that Delta Air Lines has ordered. The Cincinnati Enquirer (12/8)

航空会社 燃料費削減のイノベーション

Airlines innovate to lower fuel costs

Several carriers are adding innovative fuel-cost reduction measures to their business plans. Some airlines have made their planes lighter, and Southwest Airlines has added life vests to its planes so it can fly shorter routes over water. Reuters (12/8)

デルタ航空 破産状況後の合併計画早急に検討進めるべきと US エア幹部が述べる

Delta urged to consider merger in post-bankruptcy plan

The chief operating officer of US Airways says his company wants Delta Air Lines to consider US Airways' merger proposal as it creates its post-bankruptcy business plan. Scott Kirby also says the merged carrier would see Delta's pilot contract through. Leaders of Delta's pilots union say they oppose the merger and are concerned that a new company might leave Atlanta. Forbes (free registration) (12/7), Financial Times (subscription required) (12/7)

2006年12月8日 1:23 AIA dailyLead December 7, 2006

S ディスカバリー打上げ 天候不良で延期

Weather may delay Discovery's launch

Low clouds may force NASA to delay the launch of Discovery for at least a day. Officials said Wednesday the chance of a delay stands at 60%. "Unfortunately, the weather continues to deteriorate," said shuttle launching weather officer Katherine Winters. Bloomberg/ClipSyndicate (12/7), The New York Times (free registration) (12/7)

747 新型機 需要が堅調

Demand grows for latest incarnation of Boeing 747

Boeing is experiencing strong demand for its 747-8. The aircraft is longer, more efficient, and will carry 100 more travelers than earlier models. "It's taken us time to evolve the plane," says Larry Dickenson, Boeing's vice president for sales. "We think we have a winner." The New York Times (free registration) (12/7)

双発エンジン航路の新ルール(ETOPS)が発効近い

White House close to new rule on long-haul flights

The FAA says the White House is close to finalizing a rule to allow twin-engine airliners on long-haul flights to take more direct routes over water and the polar region. The new routes would save fuel and time. Reuters (12/7)

USエア航空とデルタ航空 合併計画にそれぞれ意見を議会で陳述

US Airways, Delta share views on merger with lawmakers

US Airways and Delta Air Lines presented their opposing views on a potential merger to Congress on Wednesday. Executives from both companies met separately with incoming Democratic House Transportation Committee Chairman James Oberstar, D-Minn. "These are confidential, informational meetings, to enable me to understand the nature of the US Airways merger proposal. No decisions were made, none were expected," Oberstar said through a spokesman. The New York Times/Reuters (free registration) (12/6), al.com/Associated Press (12/7)

ボーイング787 需要強く 開発計画も順調

Boeing 787 sees strong demand, stays on schedule

Boeing says the 787 remains on schedule for delivery to the airlines in 2008. Boeing has 435 firm orders for the plane, and the continuing demand makes the jetliner "the very strongest product launch in the history of this industry," says Scott Carson, the new head of Boeing's commercial airplanes unit. The Washington Post/Associated Press (free registration) (12/6), Aviation Daily (12/7)

787組立 デジタル化でコスト低減

Digital assembly line cuts costs for 787: Boeing's digital assembly line has

trimmed a full year of production off the 787's schedule and cut costs by 20%. The computer system simulates production of the plane, which will start flight tests next summer. Houston Chronicle/Associated Press (12/7)

フィリピン航空 ボーイング777-300ER 6機発注

Philippine Airlines signs deal for six Boeing 777-300ERs

Philippine Airlines says an agreement to purchase and lease six Boeing 777-300 Extended Range aircraft will allow it to expand direct service between the U.S. and the Philippines. Fort Worth Star-Telegram (Texas) (free registration) (12/6)

エアバス インドへ工場投資10億ドル

Airbus plans \$1B investment in India

Airbus plans to invest \$1 billion in a new engineering facility and pilot training school in India. The investment is part of an agreement with the Indian government, which is purchasing planes for state-run Indian Airlines. The New York Times/Associated Press (free registration) (12/7)

ホンダ マイクロジェット(超軽量機)の需要好調との見通し

Honda forecasts strong demand for Microjet

Honda is considering increasing production capacity for its new small business jet. The company sees strong demand for the planes from air-taxi operators. The Wall Street Journal (subscription required) (12/7)

ルフトハンサ航空 747新型機を20機購入

Lufthansa to buy updated Boeing 747s, reports say

Germany's Lufthansa is close to purchasing 20 updated 747-8 jumbo airliners from Boeing, according to media reports. The airline will take options for an additional 20 planes. The airline's board is scheduled to meet today for final approval of the deal. American City Business Journals/Seattle (free registration) (12/5), The Wall Street Journal/Dow Jones Newswires (subscription required) (12/6), USA TODAY (12/6)

空軍は空中給油機契約からWTOの文言をはずす

Air Force drops WTO language from tanker contract

The Air Force will hold all bidders for a large tanker contract exempt from international trade disputes pending before the World Trade Organization. The issue would have made it difficult for an international consortium of EADS and Northrop Grumman to compete for the contract. International Herald Tribune/Associated Press (12/5)

USエア デルタ航空買収の計画断念するか

US Airways may give up bid for Delta

US Airways CEO Doug Parker says his company will withdraw its bid for Delta Air Lines if Delta management can't be persuaded of the benefits of a merger. "We have to get to a point where we are all working together on this, or it's not going to happen," Parker says. "This is all about convincing Delta's management that this plan makes sense." Delta CEO Gerald Grinstein maintains he will vigorously defend the company against any unsolicited merger bid. Journal and Constitution (Atlanta) (free registration) (12/5), The Washington Post (free registration) (12/6), USA TODAY (12/6), Reuters (12/6)

ボーイング787 購入きめた外国航空会社2社

Two foreign carriers buy Boeing 787s

Boeing says Nakash Group of America, which owns Arkia Israeli Airlines, will purchase two 787-9 Dreamliners with options for two more. Geneva-based PrivatAir will buy a 787-8. The orders are worth a total of \$519 million, based on list prices. International Herald Tribune/Associated Press (12/5)

南カロライナ州工場で787胴体組立て始まる

South Carolina plant starts 787 fuselage assembly

A South Carolina plant opened Tuesday to begin assembling parts from around the world into fuselages for Boeing's 787 Dreamliner. After the fuselages are built, they will be shipped to Boeing's Everett, Wash., plant for the planes' final assembly. The Boston Globe/Associated Press (12/5)

2006年12月6日 1:54 AIA dailyLead December 5, 2006

S NASA 月移住2020年までに設置する計画

NASA plans to set up moon settlement by 2020

NASA said Monday it plans to set up a self-sustaining settlement of astronauts on the moon around 2020. Crews will initially stay on the moon for one week until a permanent presence is possible in 2024. Officials declined to say how much the program, which would return humans to the moon for the first time since 1972, would cost. Bloomberg/ClipSyndicate (12/5), USA TODAY (12/5), The New York Times (free registration) (12/4), The Washington Post (free registration) (12/4)

エアバス A350 の将来は 機構改革に依存

Airbus says future of A350 depends on restructuring

The success of the Airbus A350 XWB depends on whether the company can successfully restructure, company officials say. Airbus is starting to market the plane, which will compete with the Boeing 787. Airbus said Monday it wants suppliers to pay more than 15% of the project's cost. The Wall Street Journal (subscription required) (12/5), The Washington Post/Associated Press (free registration) (12/4)

エアバス A320 ファミリー 増産 で A380 遅延損害金分を取り返す

Airbus to boost production of A320 family: Airbus will increase the production of its A320 family of single-aisle airliners. Airbus hopes the move will offset the cost of delays associated with its A380 superjumbo program. MSNBC/Associated Press (12/4)

安全性計画では、新たな技術革新と世界統一の必要をのべる

Safety plan calls for new technology, worldwide consistency

Targeted regional initiatives and accident prevention technologies are needed to reduce air accidents in developing countries, says a coalition of aviation groups. The group's aviation safety plan says airlines must make sure safety efforts are consistent throughout the world. The Wall Street Journal (subscription required) (12/4)

プラットアンドホイットニー(PW) トルコにオーバーホール工場

Pratt & Whitney to build engine overhaul plant in Turkey

Pratt & Whitney has formed a joint venture with Turkish Airlines Technic to launch an engine overhaul plant in Istanbul. Terms of the agreement were not disclosed. United Press International (12/4)

2006 年 12 月 12 日 1:13 AIA dailyLead December 11, 2006

宇宙の中心を発見したら、自分達がそこにいることを知って、多くの人がガッカリするだろう。

作家 バーナード ベイリー

"When they discover the center of the universe, a lot of people will be disappointed to discover they are not it."

--Bernard Bailey, author

2006 年 12 月 9 日 1:23 AIA dailyLead December 8, 2006

嫉妬とは凡人が天才にたいして抱く賛辞である。

TV 伝道者 フルトン J シーン

"Jealousy is the tribute mediocrity pays to genius."

--Fulton J. Sheen, Archbishop, prominent TV preacher

2006 年 12 月 8 日 1:23 AIA dailyLead December 7, 2006

大切な事はこれだ:いつも、自分がなれる事のために、現在ある自分を、犠牲にできるかどうかである。

画家 シャルル デゥボア

"The important thing is this: To be able at any moment to sacrifice what we are for what we could become."

--Charles DuBois, artist, painter

生き延びるのは最強の種でも、知の優れた種でもない。変化に対応できる種が生き延びれる。

イギリス博物学者 チャールズ ダーヴィン

“It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change.”

--Charles Darwin, English naturalist

ポケットに入れるほどの賞賛より以上のものはない

フランス劇作家 モリエール

“There's no praise to beat the sort you can put in your pocket.”

--Moliere, French playwright

空軍と FAA: スペース・アクセスに関するパートナ

The Air Force and the Federal Aviation Administration: Partners for Space Access

Ms. Patricia Grace Smith

Associate Administrator, Office of Commercial Space Transportation, Federal Aviation Administration



【編注】 2002年のISTSの松江での国際シンポジウムに出席された方で彼女を憶えて居られる方はありますか？

下名のとりまとめたセッション Space Commercialization (.1. Recent Topics, 2. Security & Law, 3. Launch Vehicle, 4. Simulation/Emulation, 5. International Activities)の中の 2. Security & Law のところで、Space Launch Security: An Issue of Global Concern と題して 9/11 後の問題点を FAA の立場で、とにかく、しゃべりまくった方だったと記憶しているが。

【新刊紹介】 High Frontier U.S. Air Force Space Command の季刊誌 右端が最新号

下名ホームページの 5.2 米国セキュリティ、軍事関連レポートなど の書架の左端 からダウンロード可



各号の特集:

米国はなぜ宇宙を必要とするか Why America Needs Space,

宇宙装備品の開発・調達 Space Acquisition,

宇宙のコマンド&コントロール Space Command and Control,

戦略的抑止の将来と ICBM The Future of Strategic Deterrence & ICBM,

宇宙へのアクセスの確保 Assured Access to Space